

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057966.D
 Acq On : 12 Sep 2019 13:26
 Operator : JC/SP
 Sample : VN0913WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:38 PM

Quant Time: Sep 13 05:34:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	306489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320854	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.58	113	222132	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.09	98	916891	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	319996	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86996	20.525	ug/l	97
3) Chloromethane	2.03	50	79232	18.341	ug/l	97
4) Vinyl Chloride	2.16	62	85422	18.683	ug/l	99
5) Bromomethane	2.54	94	44985	16.897	ug/l	97
6) Chloroethane	2.68	64	53075	18.217	ug/l	100
7) Trichlorofluoromethane	2.99	101	109193	18.977	ug/l	99
8) Diethyl Ether	3.39	74	46114	19.215	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72031	19.845	ug/l	99
10) Methyl Iodide	3.92	142	67964	16.826	ug/l	98
11) Tert butyl alcohol	4.77	59	78889	104.999	ug/l	100
12) 1,1-Dichloroethene	3.71	96	62026	19.006	ug/l	97
13) Acrolein	3.59	56	43665	68.502	ug/l	99
14) Allyl chloride	4.30	41	115225	18.041	ug/l	99
15) Acrylonitrile	4.96	53	207260	100.363	ug/l	99
16) Acetone	3.80	43	182834	89.845	ug/l	95
17) Carbon Disulfide	4.03	76	85367	16.912	ug/l	99
18) Methyl Acetate	4.30	43	120089	22.133	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	273954	20.171	ug/l	99
20) Methylene Chloride	4.53	84	82933	20.686	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	65663	18.612	ug/l	93
22) Diisopropyl ether	5.93	45	300730	20.079	ug/l	95
23) Vinyl Acetate	5.88	43	1081867	101.922	ug/l	99
24) 1,1-Dichloroethane	5.82	63	163645	19.992	ug/l	99
25) 2-Butanone	6.82	43	293353	99.598	ug/l	99
26) 2,2-Dichloropropane	6.81	77	111750	17.251	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90990	19.245	ug/l	99
28) Bromochloromethane	7.18	49	83751	20.480	ug/l	96
29) Tetrahydrofuran	7.20	42	184103	101.438	ug/l	99
30) Chloroform	7.36	83	170064	19.870	ug/l	98
31) Cyclohexane	7.64	56	117650	19.738	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	130384	19.208	ug/l	98
36) 1,1-Dichloropropene	7.78	75	106178	18.379	ug/l	99
37) Ethyl Acetate	6.91	43	116929	19.590	ug/l	99
38) Carbon Tetrachloride	7.76	117	103970	19.712	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	107673	17.729	ug/l	93
40) Benzene	8.03	78	345006	19.836	ug/l	98
41) Methacrylonitrile	7.17	41	58942m	21.754	ug/l	
42) 1,2-Dichloroethane	8.11	62	138662	19.934	ug/l	100
43) Isopropyl Acetate	8.15	43	211409	21.061	ug/l #	87
44) Trichloroethene	8.83	130	80742	18.927	ug/l	95
45) 1,2-Dichloropropane	9.11	63	103184	20.388	ug/l	98
46) Dibromomethane	9.20	93	61990	20.269	ug/l	99
47) Bromodichloromethane	9.40	83	122840	20.114	ug/l	98
48) Methyl methacrylate	9.19	41	98163	19.279	ug/l	98
49) 1,4-Dioxane	9.19	88	34665	402.580	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	652483	109.845	ug/l	99
52) Toluene	10.15	92	211956	19.348	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	120957	18.808	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	135697	19.111	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95024	20.478	ug/l	98
56) Ethyl methacrylate	10.43	69	138440	19.811	ug/l	98
57) 1,3-Dichloropropane	10.71	76	164939	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	334863	101.744	ug/l	99
59) 2-Hexanone	10.75	43	460071	103.333	ug/l	99
60) Dibromochloromethane	10.90	129	82104	19.054	ug/l	100
61) 1,2-Dibromoethane	11.01	107	88312	20.130	ug/l	98
64) Tetrachloroethene	10.63	164	66065	18.902	ug/l	96
65) Chlorobenzene	11.44	112	242349	19.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82938	19.294	ug/l	98
67) Ethyl Benzene	11.51	91	430195	19.814	ug/l	98
68) m/p-Xylenes	11.62	106	311898	39.218	ug/l	100
69) o-Xylene	11.95	106	155597	19.680	ug/l	98
70) Styrene	11.97	104	270642	19.890	ug/l	100
71) Bromoform	12.13	173	48580	18.126	ug/l #	98
73) Isopropylbenzene	12.25	105	435192	20.658	ug/l	100
74) N-amyl acetate	12.07	43	183606	20.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143896	20.287	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	131941m	21.484	ug/l	
77) Bromobenzene	12.53	156	102004	19.421	ug/l	98
78) n-propylbenzene	12.60	91	500444	20.688	ug/l	99
79) 2-Chlorotoluene	12.68	91	301256	19.704	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	363267	20.409	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29085	16.666	ug/l	85
82) 4-Chlorotoluene	12.78	91	309060	19.684	ug/l	100
83) tert-Butylbenzene	13.00	119	321284	20.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	366092	20.237	ug/l	99
85) sec-Butylbenzene	13.18	105	430208	20.514	ug/l	99
86) p-Isopropyltoluene	13.30	119	380230	20.578	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186357	19.331	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	186132	19.021	ug/l	99
89) n-Butylbenzene	13.62	91	342852	19.648	ug/l	100
90) Hexachloroethane	13.88	117	52869	19.239	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	189168	19.641	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23443	20.013	ug/l	98

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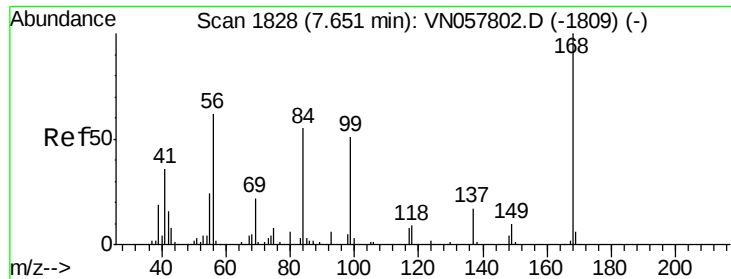
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110151	17.498	ug/l	98
94) Hexachlorobutadiene	15.01	225	49280	18.467	ug/l	99
95) Naphthalene	15.13	128	318703	19.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105545	19.820	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion:168 Resp: 306489

Ion Ratio Lower Upper

168 100

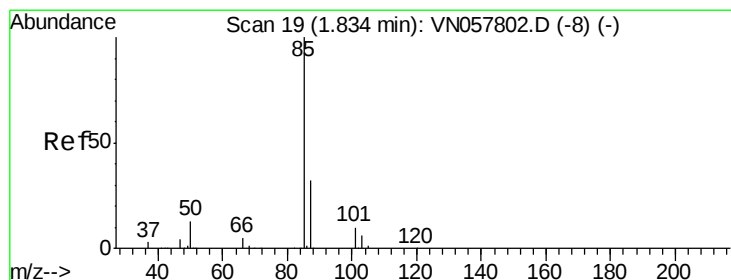
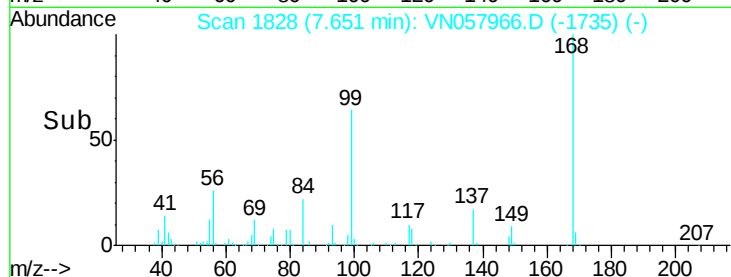
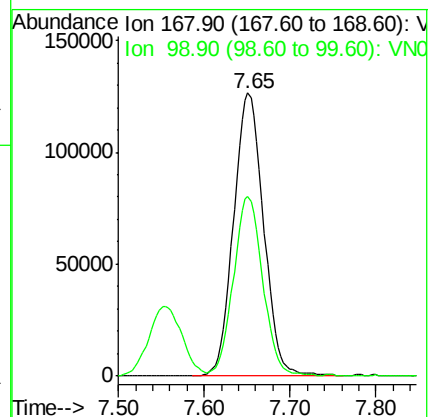
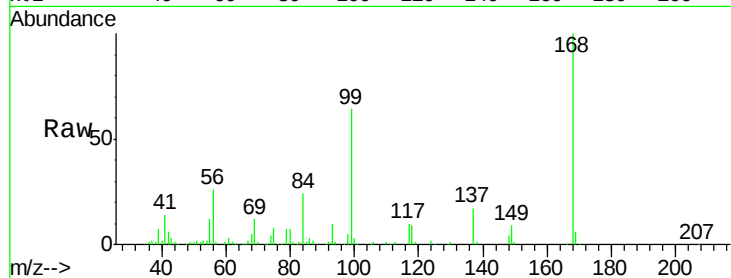
99 63.3 48.0 72.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.525 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057966.D

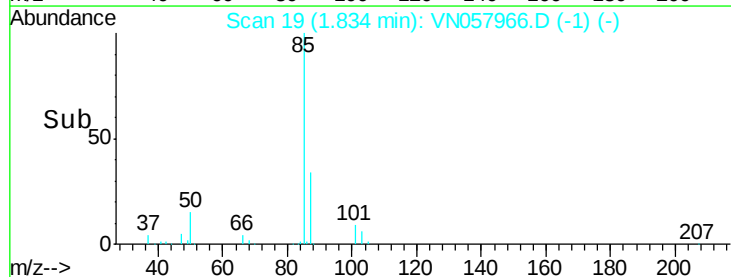
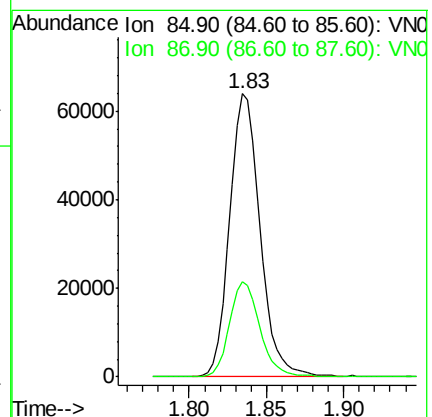
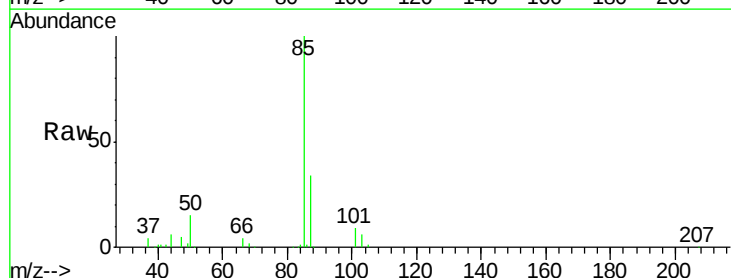
Acq: 12 Sep 2019 13:26

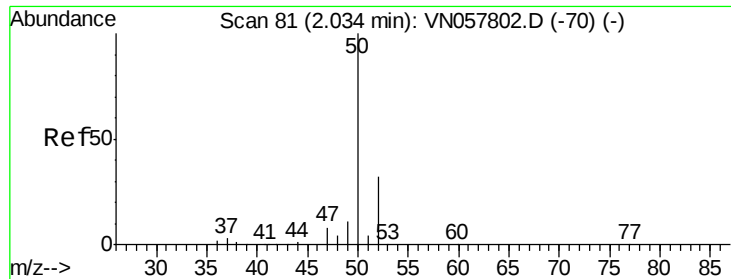
Tgt Ion: 85 Resp: 86996

Ion Ratio Lower Upper

85 100

87 33.6 16.0 47.9





#3

Chloromethane

Concen: 18.341 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

Tot Ion: 50 Resp: 79232

Ion Ratio Lower Upper

50 100

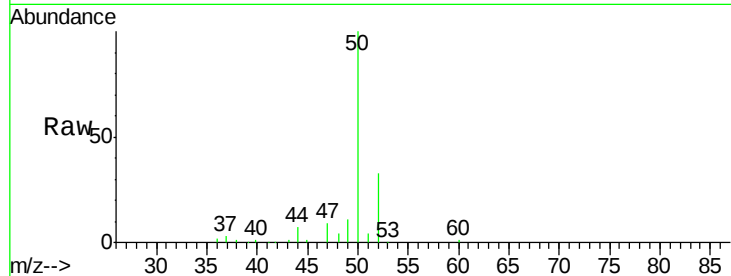
52 33.4 25.5 38.3

Manual Integrations

APPROVED

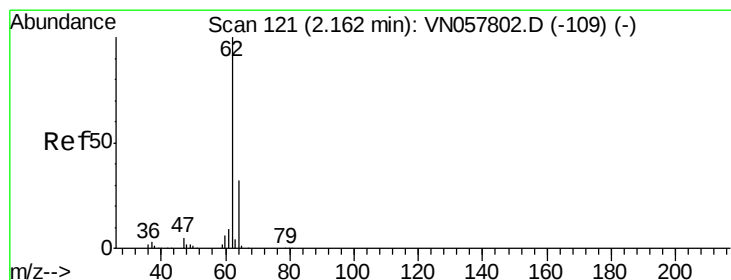
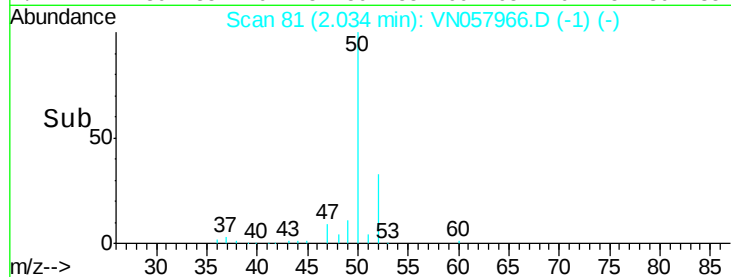
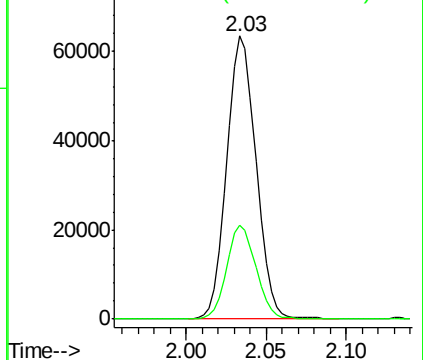
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.683 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057966.D

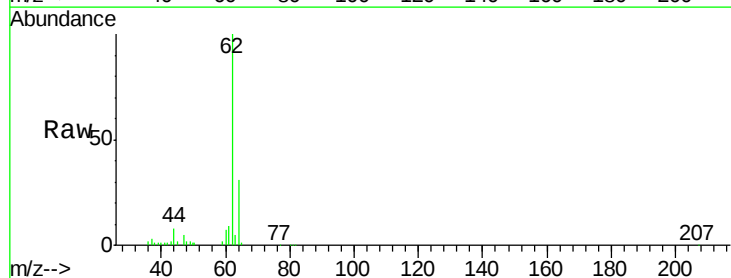
Acq: 12 Sep 2019 13:26

Tgt Ion: 62 Resp: 85422

Ion Ratio Lower Upper

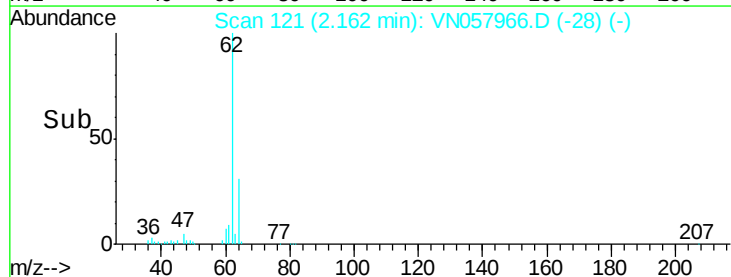
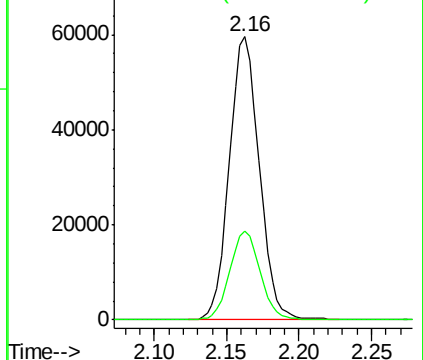
62 100

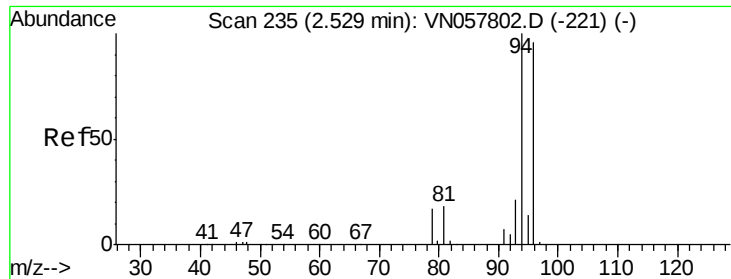
64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.897 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 94 Resp: 44985

Ion Ratio Lower Upper

94 100

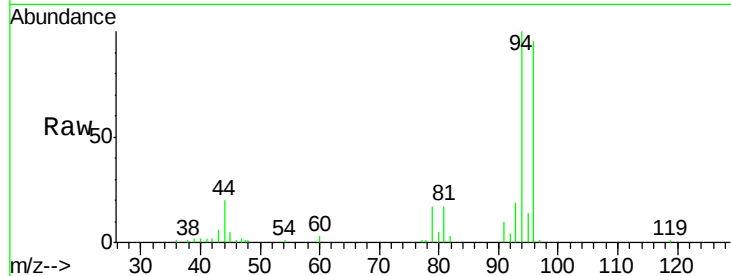
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Manual Integrations

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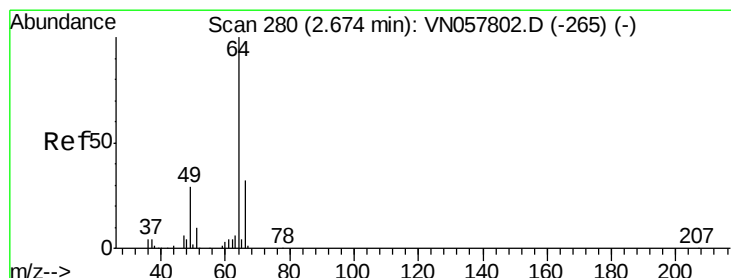
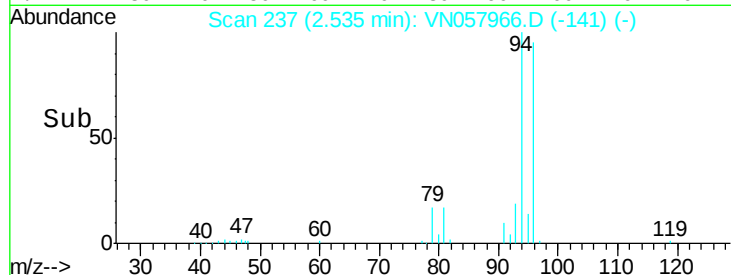
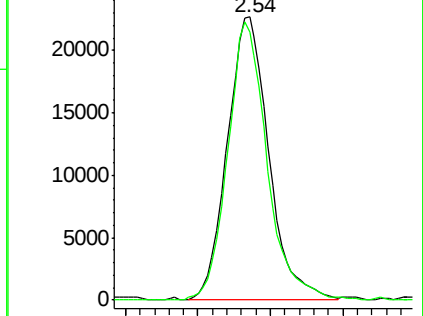
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.217 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057966.D

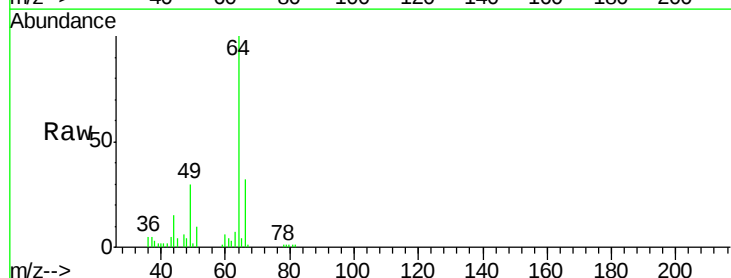
Acq: 12 Sep 2019 13:26

Tgt Ion: 64 Resp: 53075

Ion Ratio Lower Upper

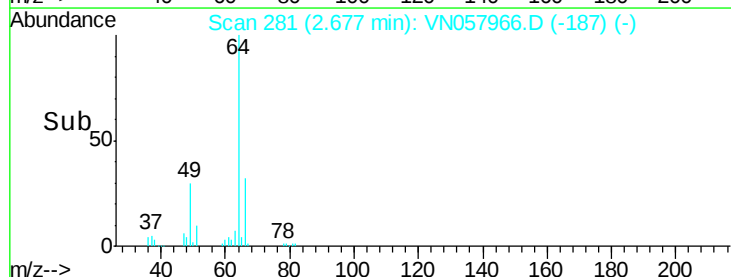
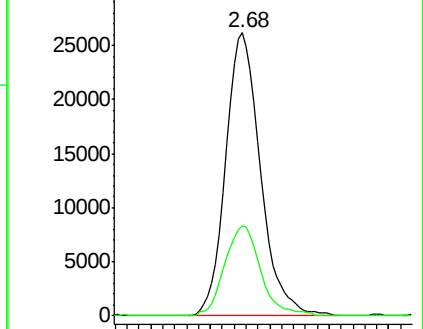
64 100

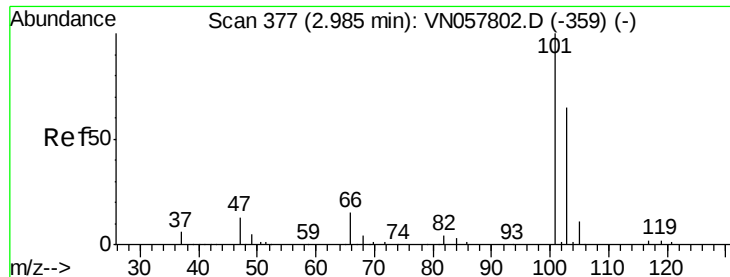
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

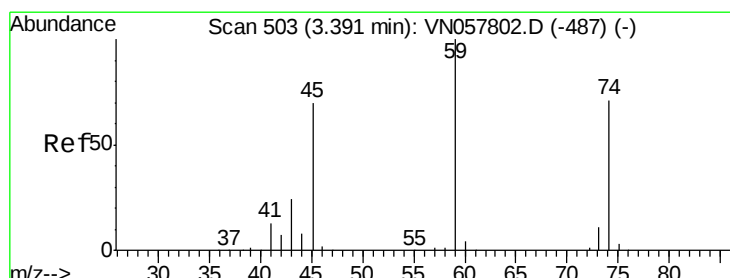
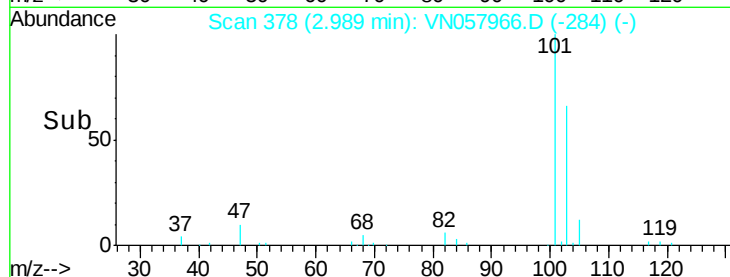
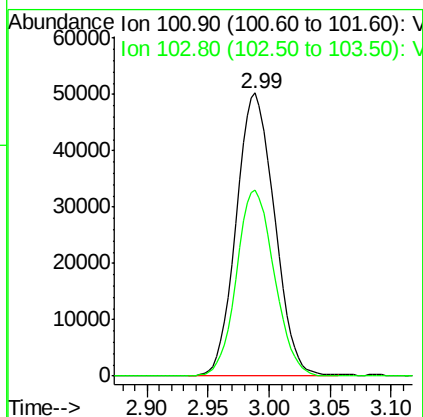
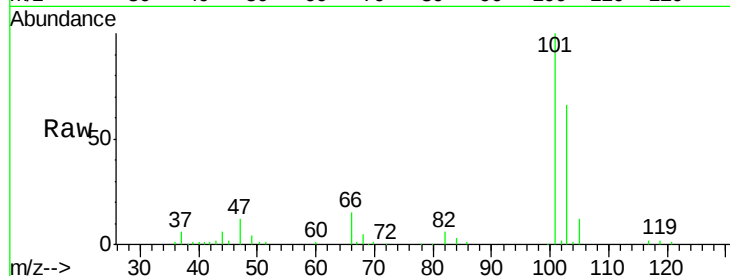
Trichlorofluoromethane
Concen: 18.977 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		109193		
103	65.7	51.9	77.9		

Manual Integrations
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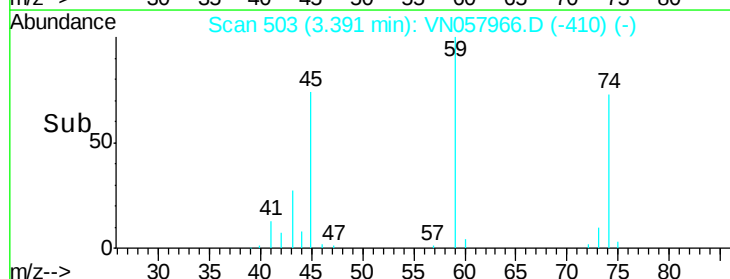
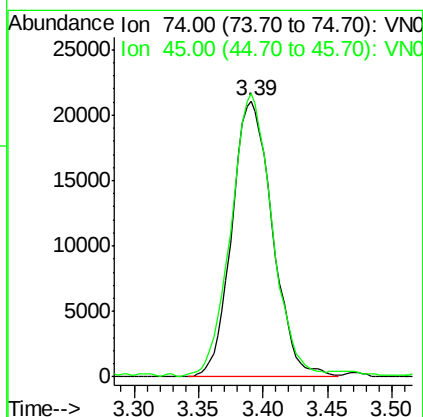
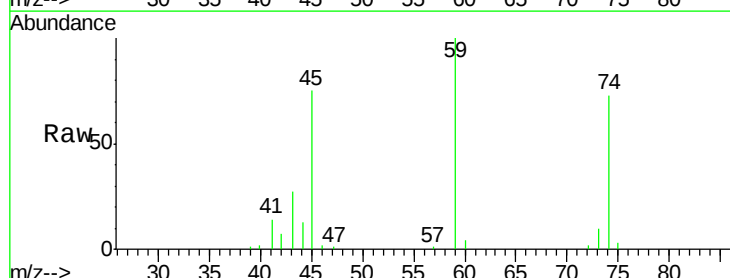
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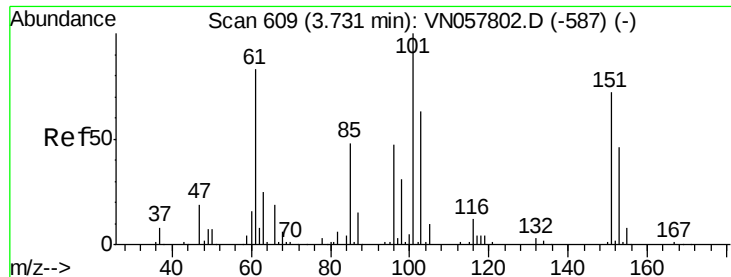


#8

Diethyl Ether
Concen: 19.215 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		46114		
45	104.4	50.3	151.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.845 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

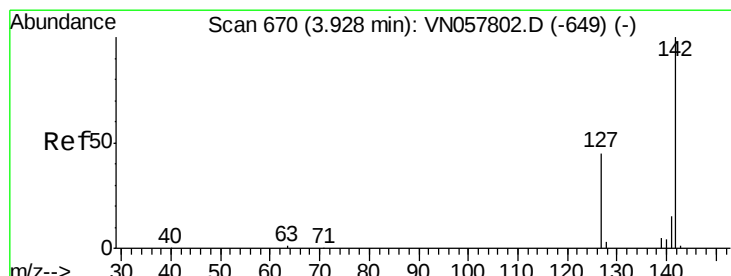
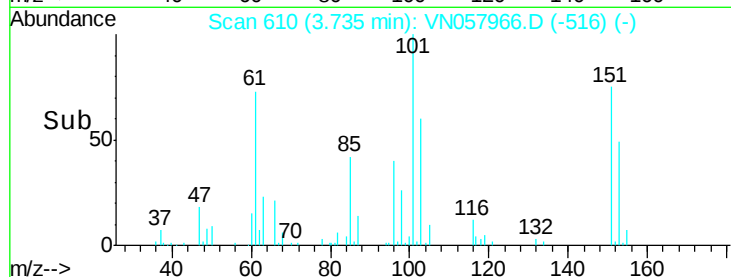
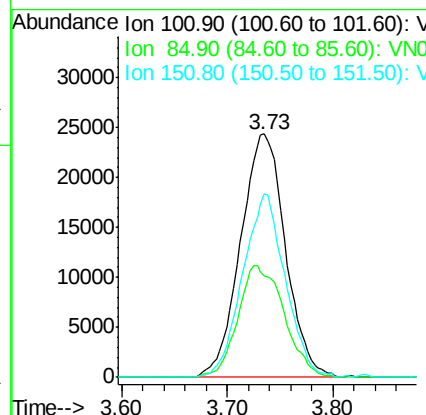
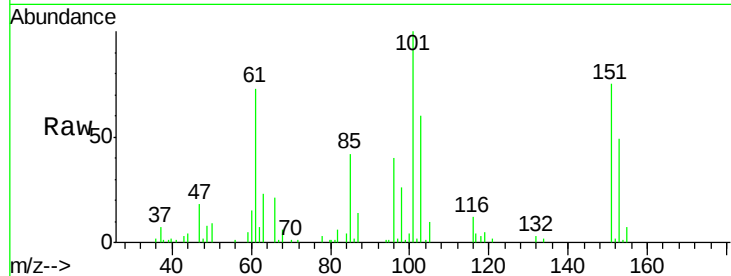
ClientSampleId :

VN0913WBSD01

Tot Ion:	101	Resp:	72031
Ion Ratio	Lower	Upper	
101	100		
85	47.1	38.1	57.1
151	71.4	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.826 ug/l

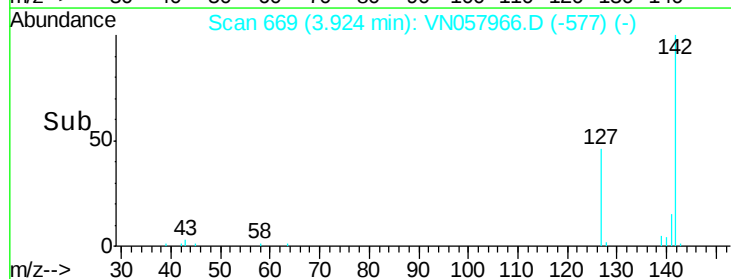
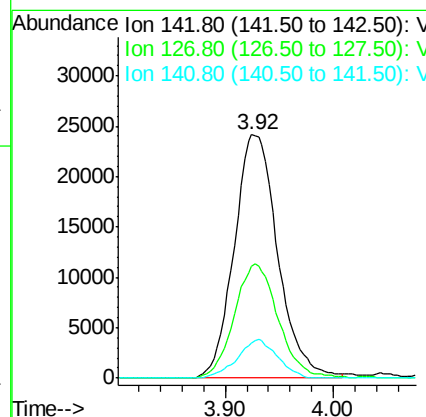
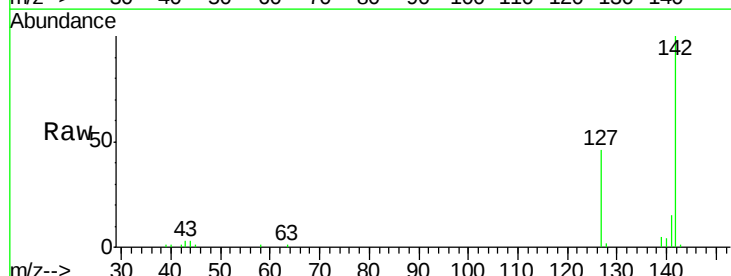
RT: 3.92 min Scan# 669

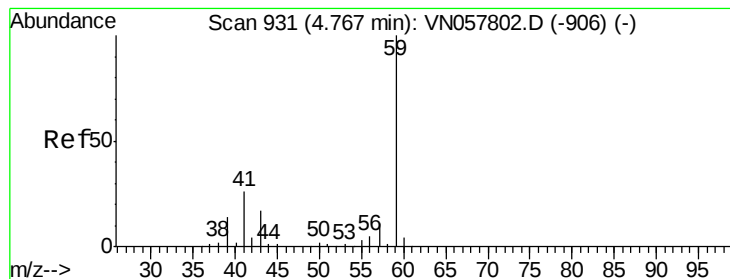
Delta R.T. -0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	142	Resp:	67964
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.7	55.1
141	14.6	11.4	17.0





#11

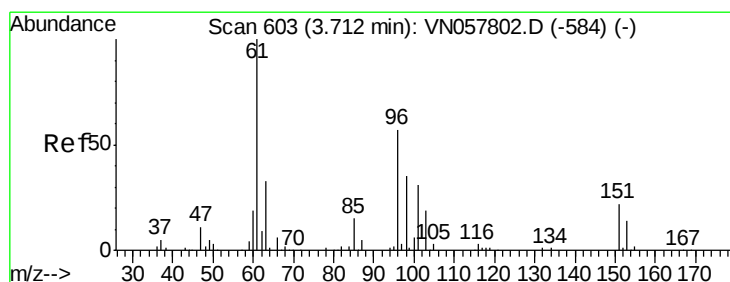
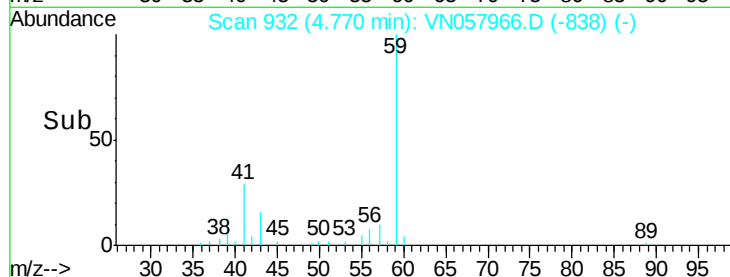
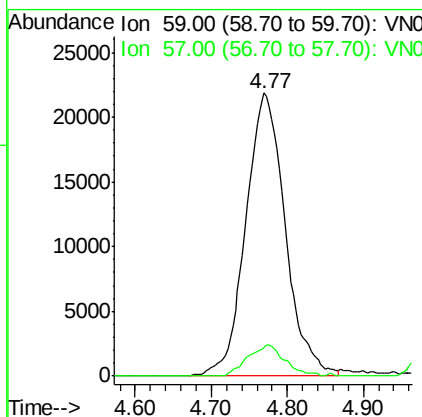
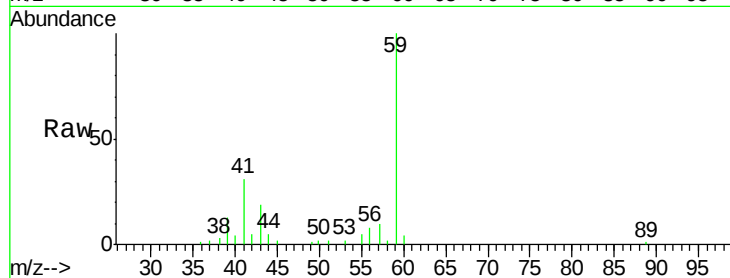
Tert butyl alcohol
 Concen: 104.999 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0913WBSD01

Tot Ion	59.00 (58.70 to 59.70): VNO	Resp	78889
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
 APPROVED

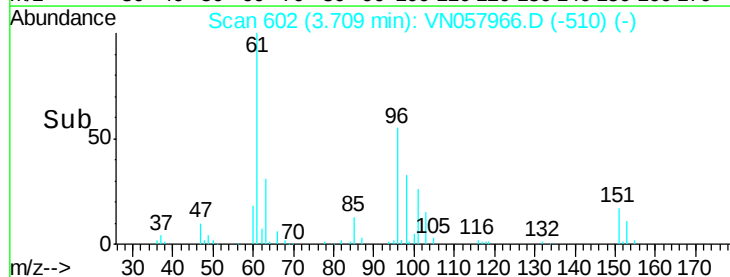
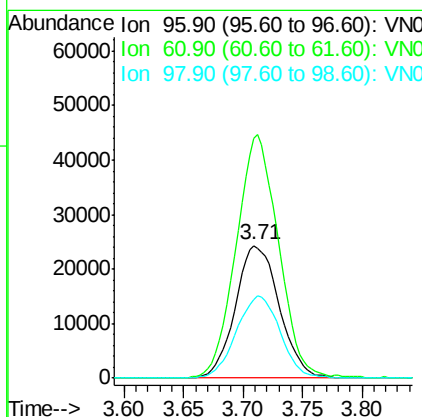
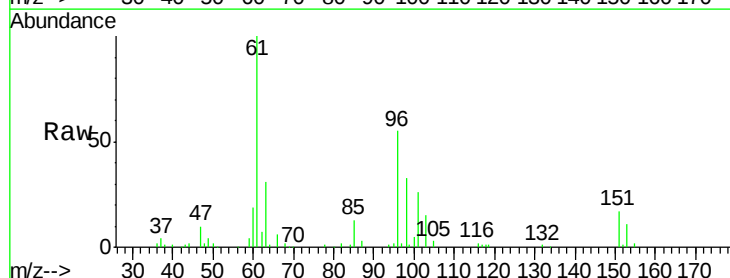
MMDadoda
 9/13/2019 1:05:38 PM

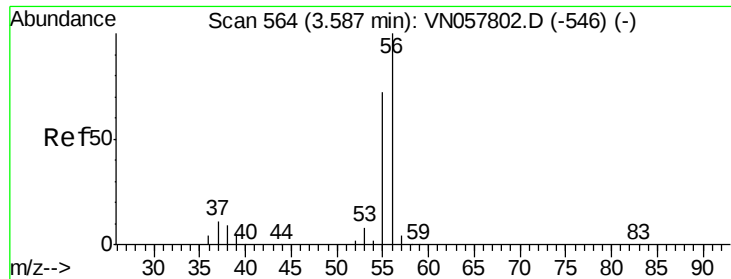


#12

1,1-Dichloroethene
 Concen: 19.006 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	96	Resp	62026
Ion	Ratio	Lower	Upper
96	100		
61	179.8	141.2	211.8
98	59.7	49.9	74.9





#13

Acrolein

Concen: 68.502 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 56 Resp: 43665

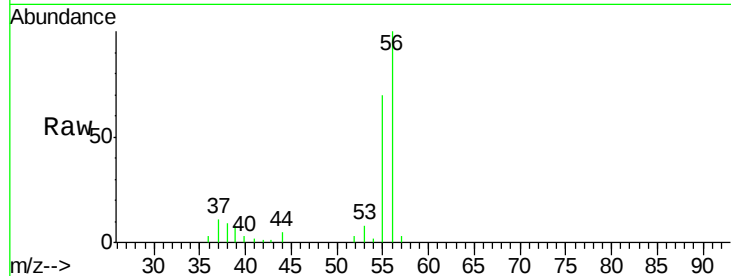
Ion Ratio Lower Upper

56 100

55 71.1 57.3 85.9

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9/13/2019 1:05:38 PM

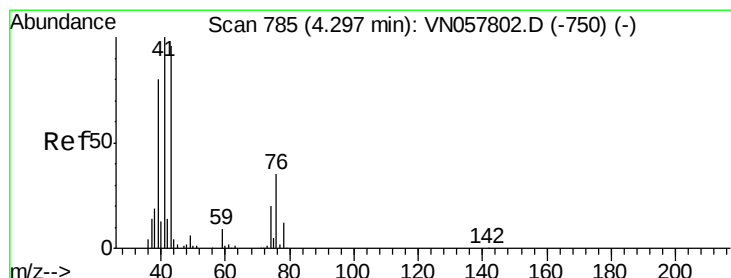
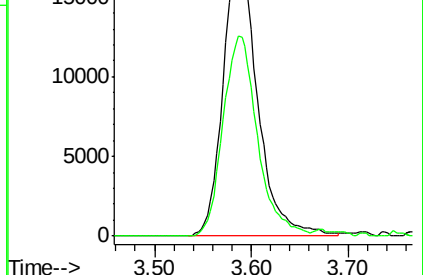
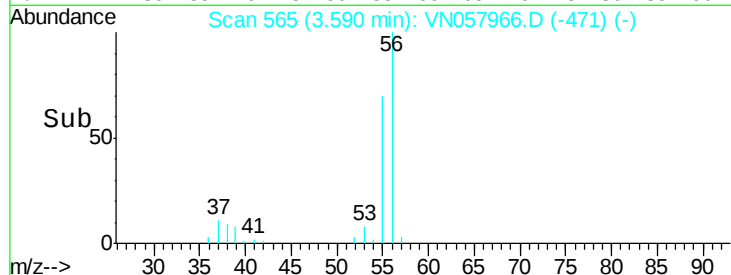


Abundance Ion 56.00 (55.70 to 56.70): VN057802.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN057802.D (-546) (-)

3.59

Time-->



#14

Allyl chloride

Concen: 18.041 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

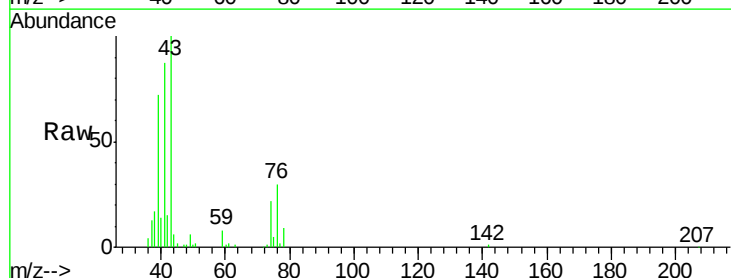
Tgt Ion: 41 Resp: 115225

Ion Ratio Lower Upper

41 100

39 75.2 59.4 89.2

76 31.1 26.0 39.0



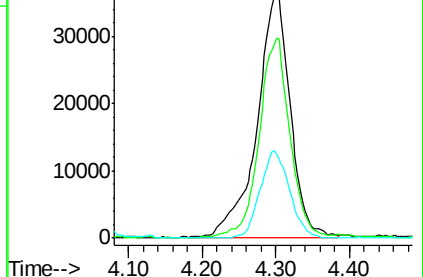
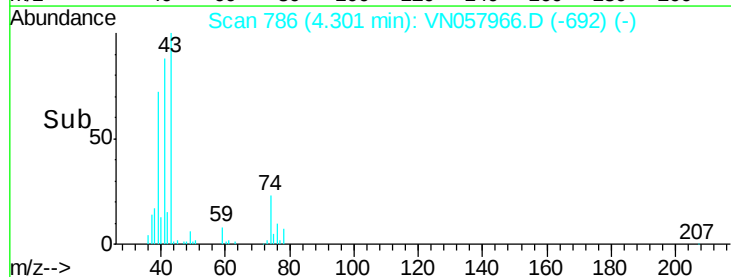
Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-750) (-)

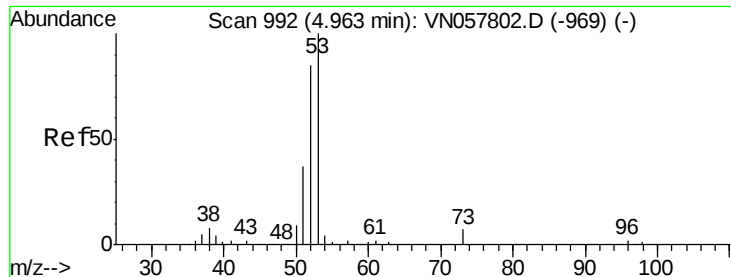
Ion 39.00 (38.70 to 39.70): VN057802.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN057802.D (-750) (-)

4.30

Time-->





#15

Acrylonitrile

Concen: 100.363 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

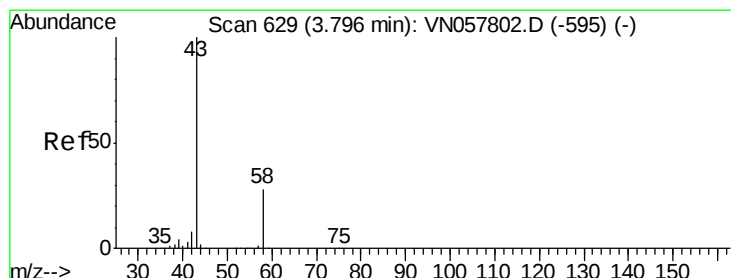
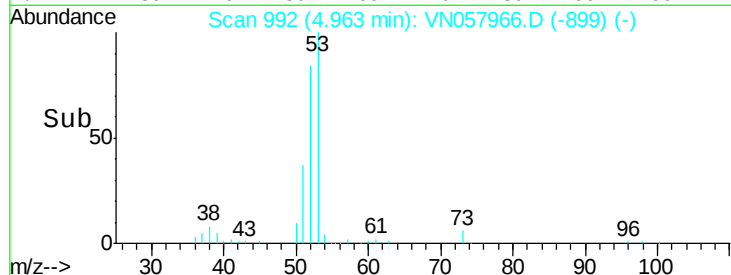
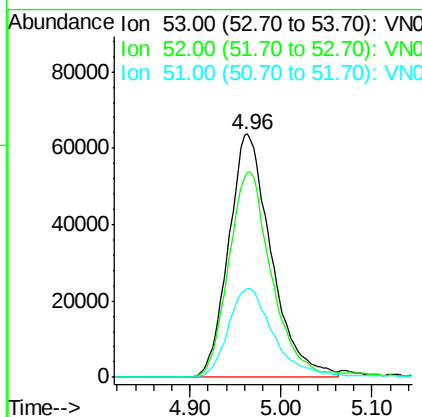
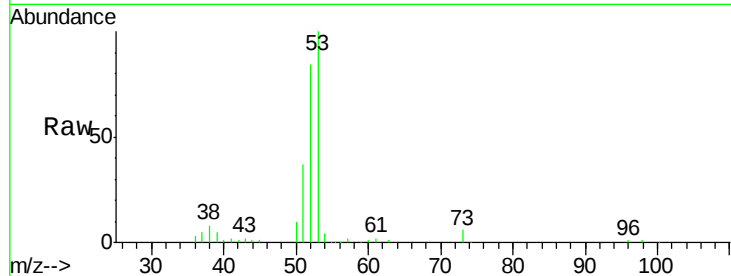
ClientSampleId :

VN0913WBSD01

Tot Ion:	53	Resp:	207260
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	100.0
51	38.8	29.8	44.8

Manual Integrations
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9/13/2019 1:05:38 PM



#16

Acetone

Concen: 89.845 ug/l

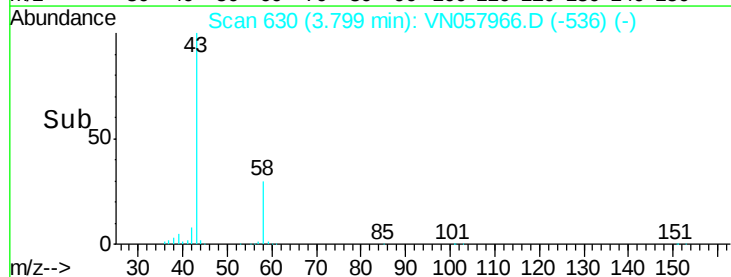
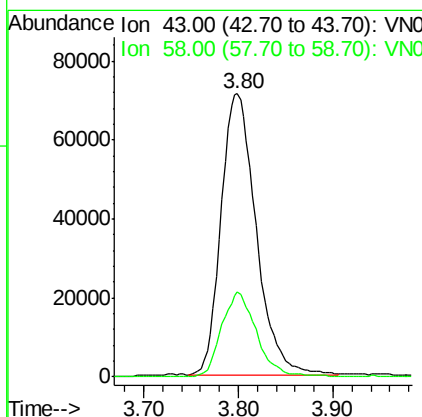
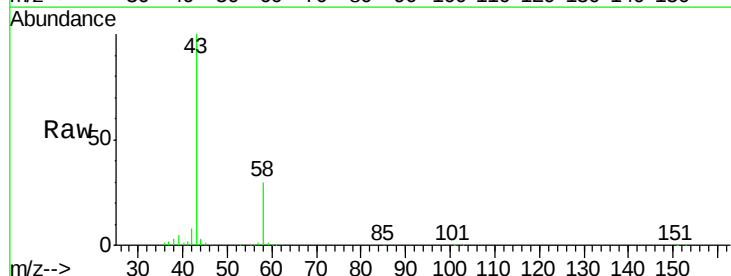
RT: 3.80 min Scan# 630

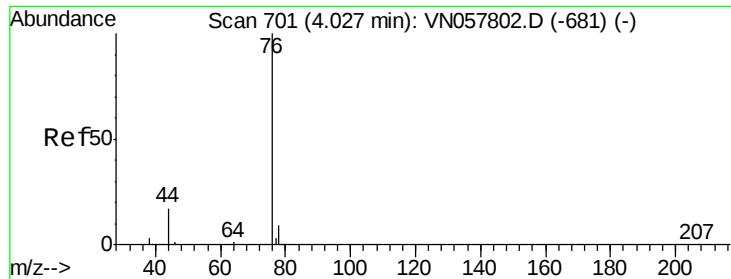
Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	43	Resp:	182834
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.2	33.2





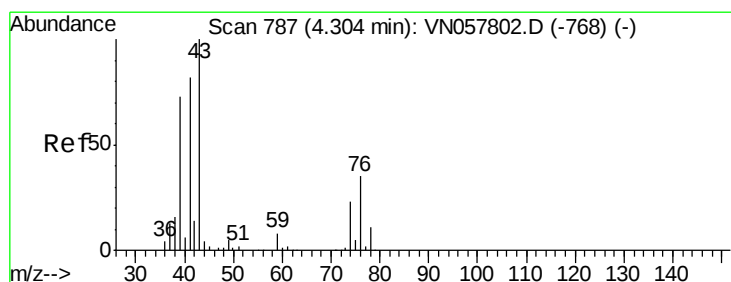
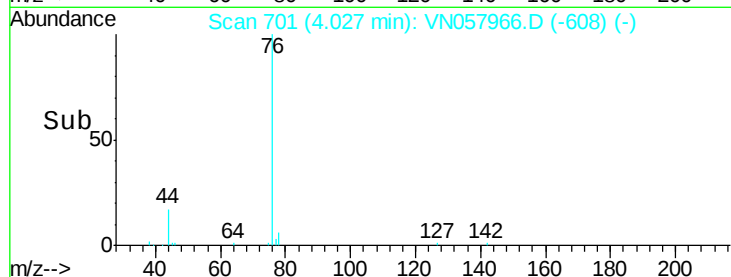
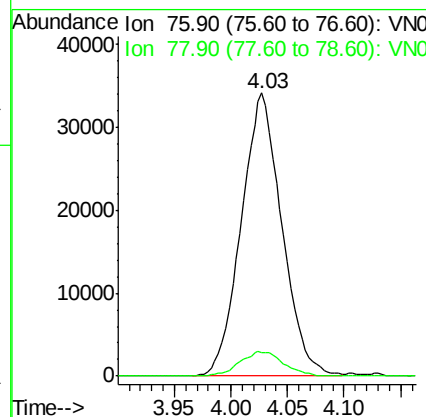
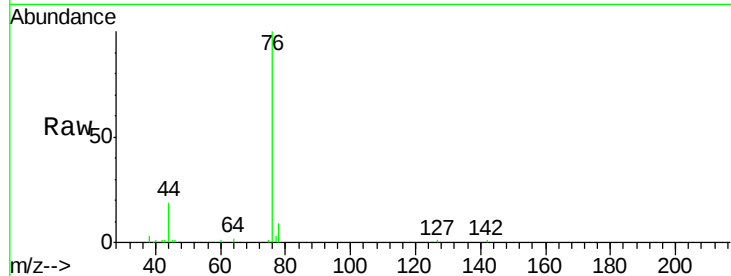
#17
Carbon Disulfide
Concen: 16.912 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 76 Resp: 85367
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

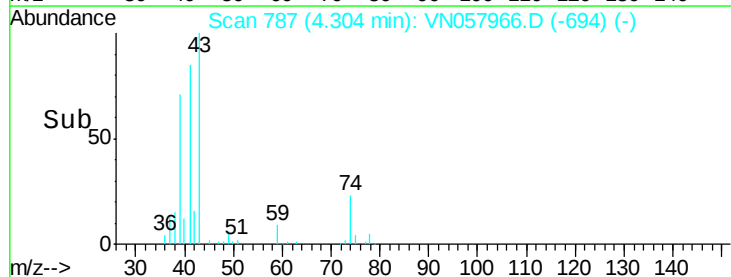
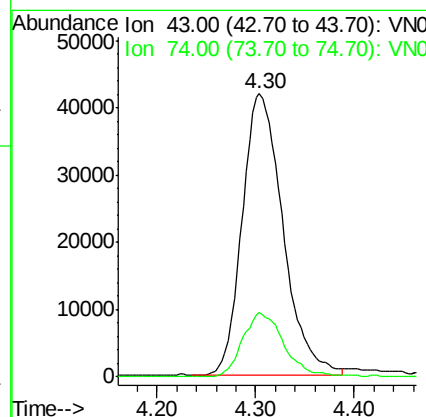
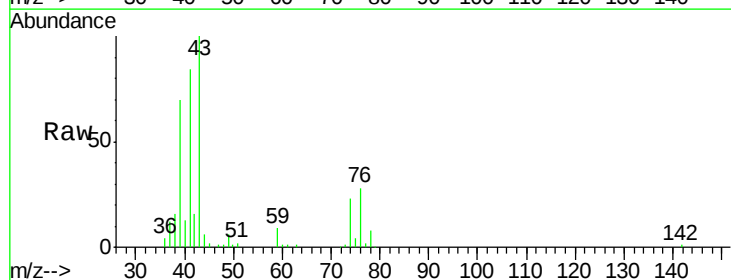
Manual Integrations
APPROVED

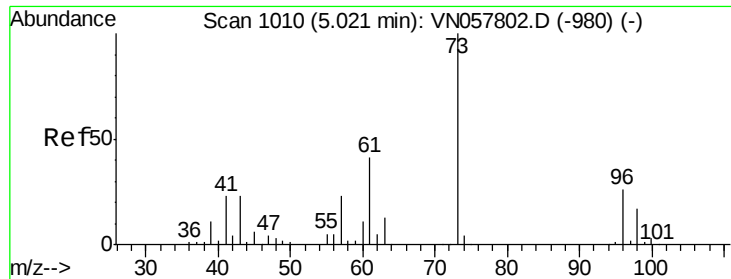
MMDadoda
9/13/2019 1:05:38 PM



#18
Methyl Acetate
Concen: 22.133 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 43 Resp: 120089
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9





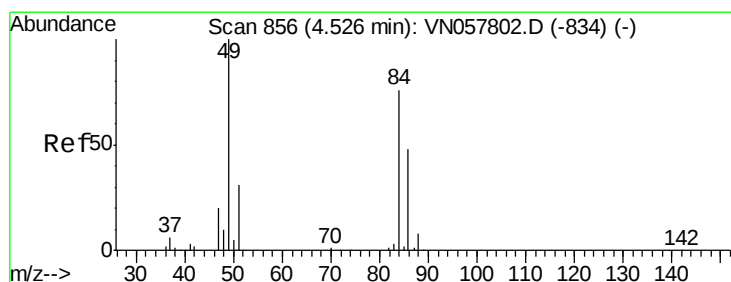
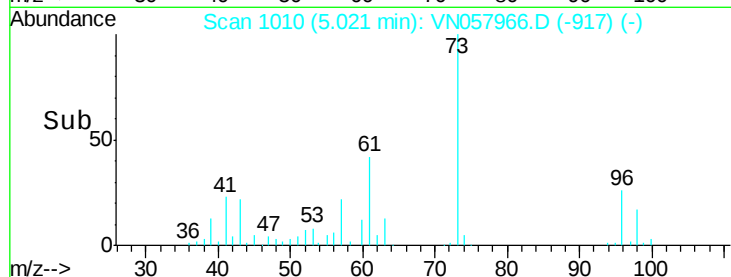
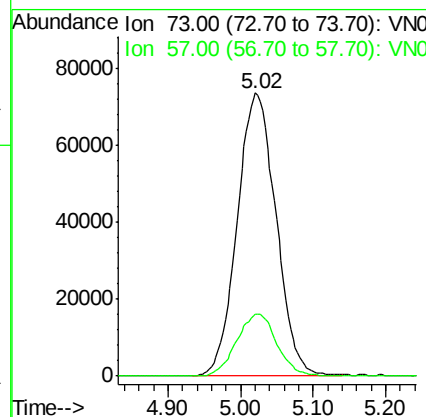
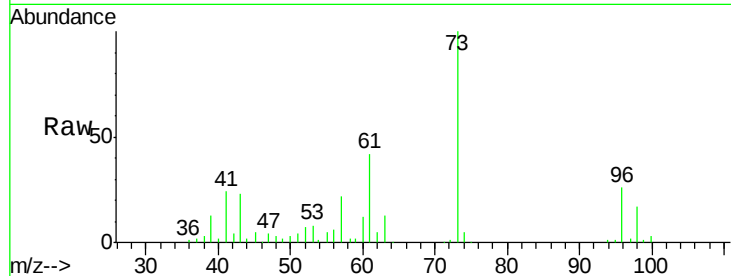
#19
Methvl tert-butvl Ether
Concen: 20.171 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 73 Resp: 273954
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.2

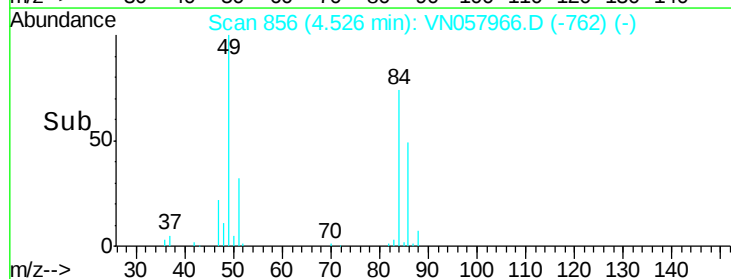
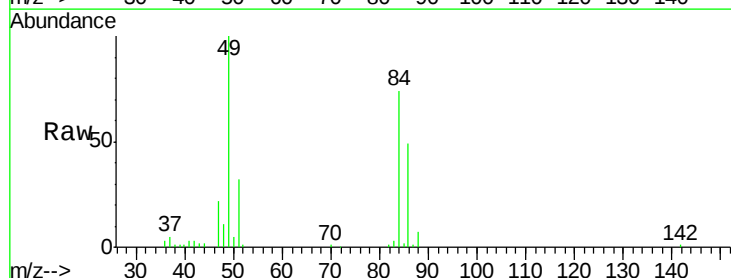
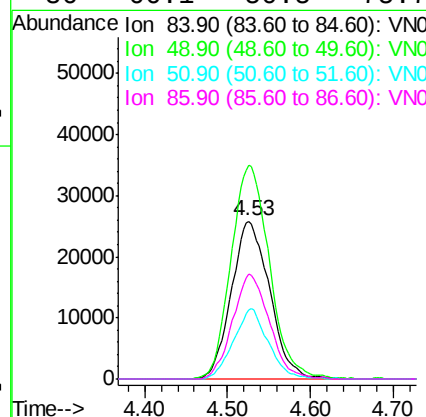
Manual Integrations
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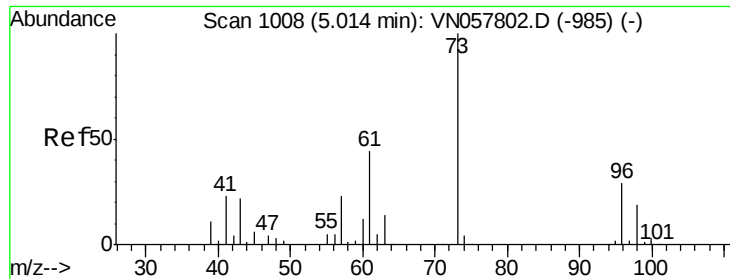
MMDadoda
9/13/2019 1:05:38 PM



#20
Methylene Chloride
Concen: 20.686 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 84 Resp: 82933
Ion Ratio Lower Upper
84 100
49 135.2 104.8 157.2
51 43.7 33.0 49.4
86 66.1 50.5 75.7





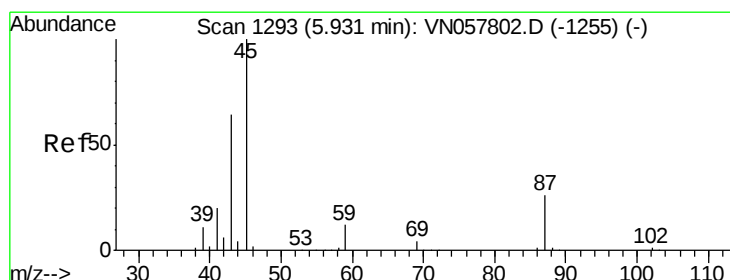
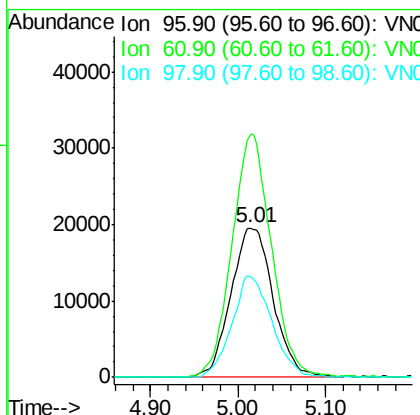
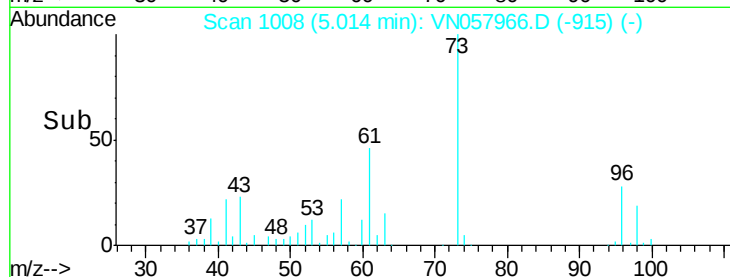
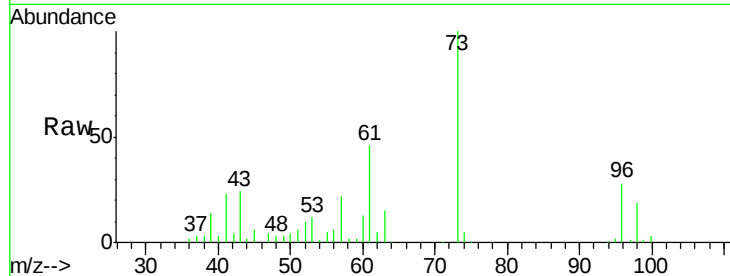
#21
trans-1,2-Dichloroethene
Concen: 18.612 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.3	121.9	182.9
98	66.9	52.2	78.4

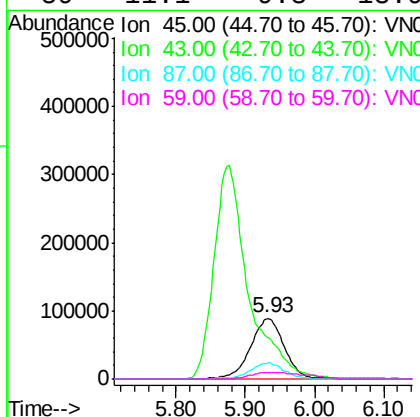
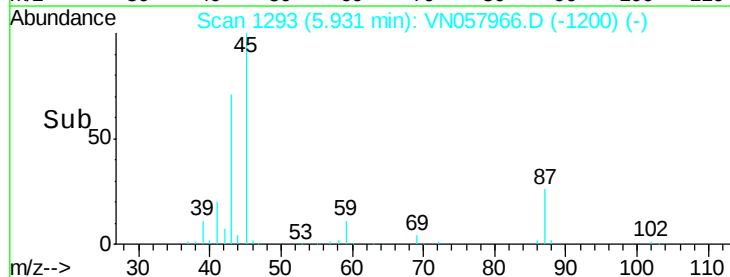
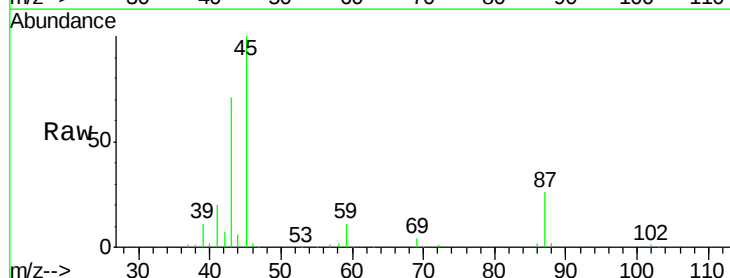
Manual Integrations
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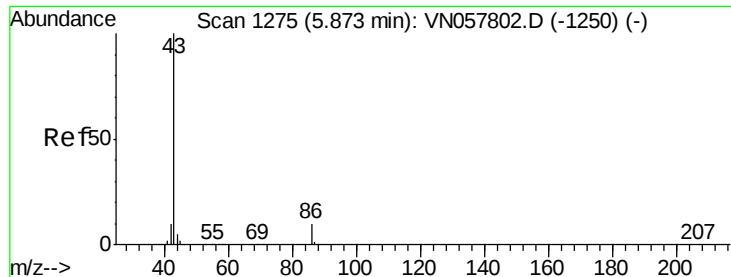
MMDadoda
9/13/2019 1:05:38 PM



#22
Diisopropyl ether
Concen: 20.079 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.7	51.4	77.2
87	26.1	21.3	31.9
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 101.922 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleID :

VN0913WBSD01

Tot Ion: 43 Resp: 1081867

Ion Ratio Lower Upper

43 100

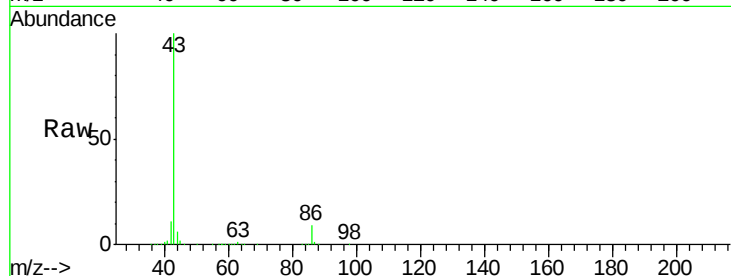
86 9.4 7.7 11.5

Manual Integrations

APPROVED

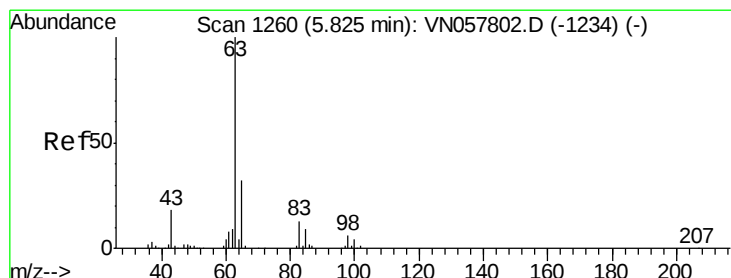
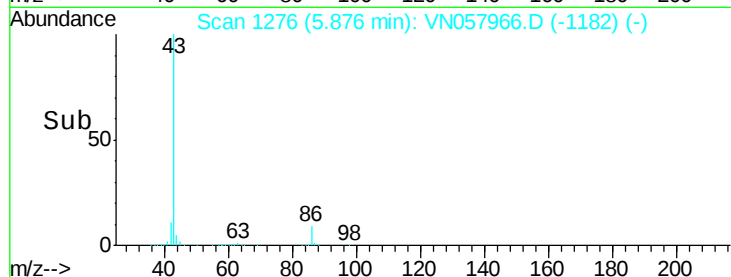
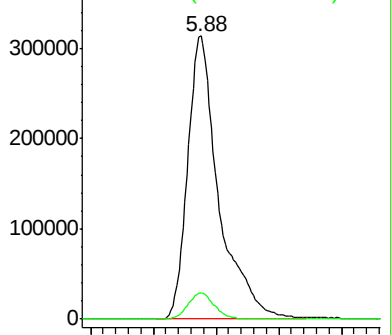
MMDadoda

9/13/2019 1:05:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.992 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

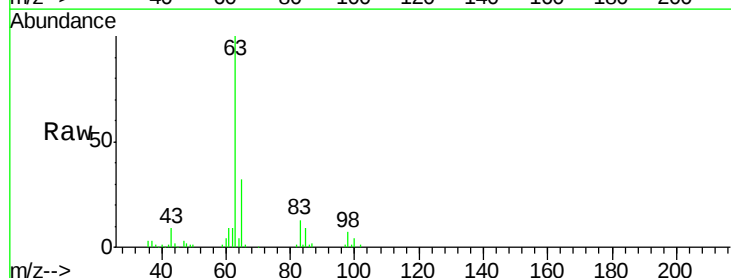
Tgt Ion: 63 Resp: 163645

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

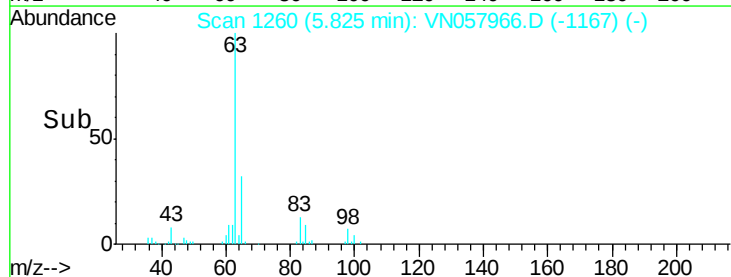
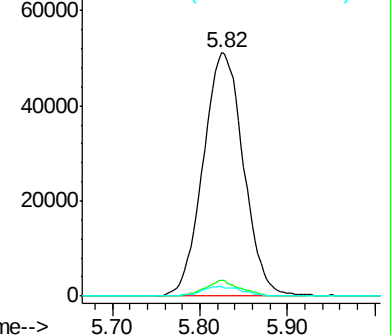
100 3.6 2.0 5.8

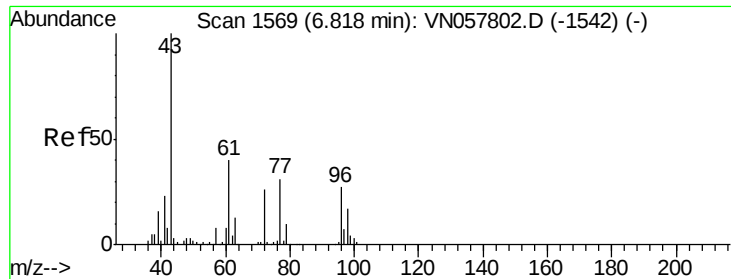


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





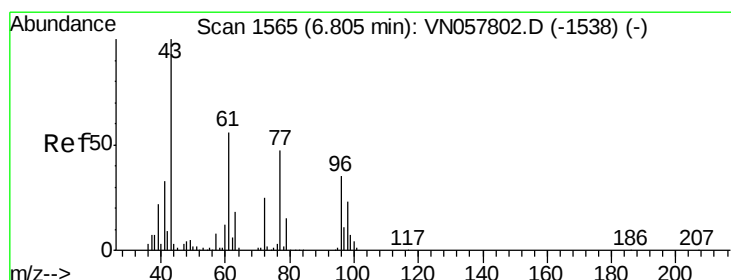
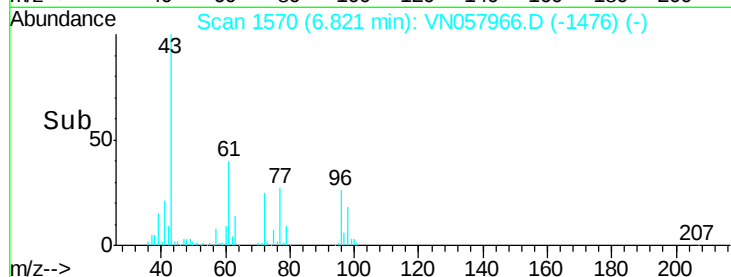
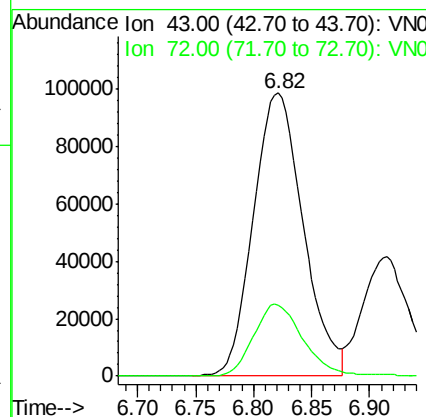
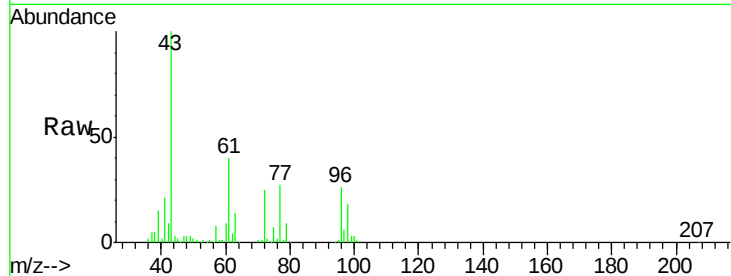
#25
2-Butanone
Concen: 99.598 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	43	Resp	293353
Ion Ratio	100	Lower	Upper
72	25.3	20.6	30.8

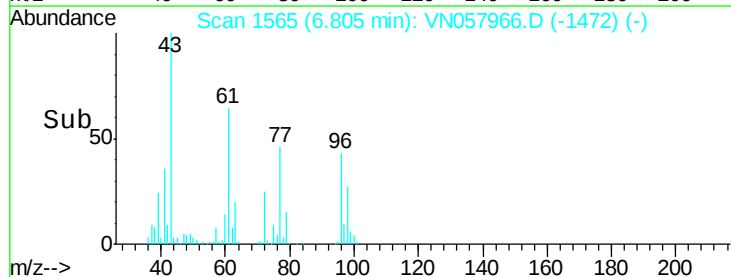
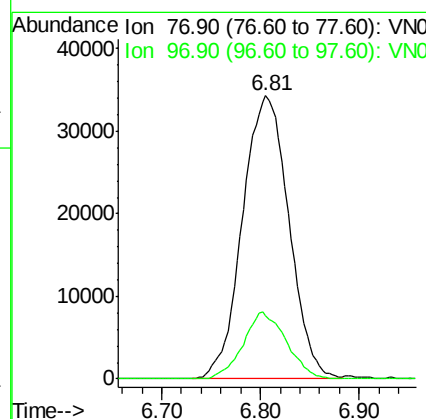
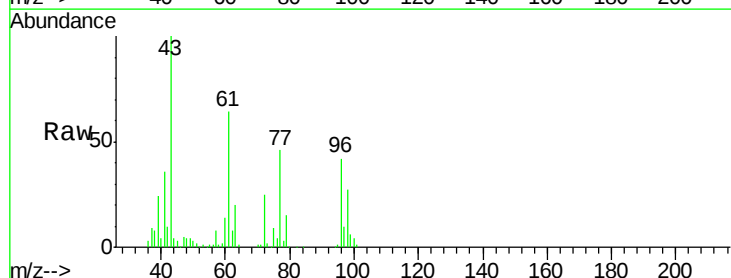
Manual Integrations
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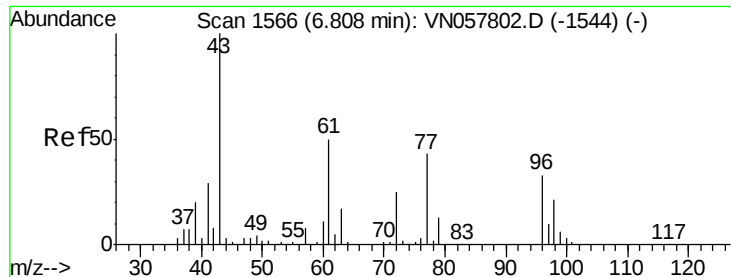
MMDadoda
9/13/2019 1:05:38 PM



#26
2,2-Dichloropropane
Concen: 17.251 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	77	Resp	111750
Ion Ratio	100	Lower	Upper
97	21.9	11.1	33.3





#27

cis-1,2-Dichloroethene

Concen: 19.245 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

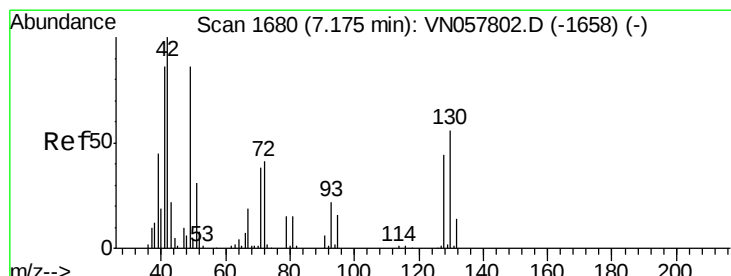
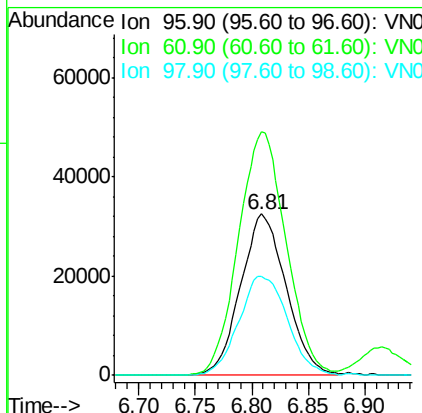
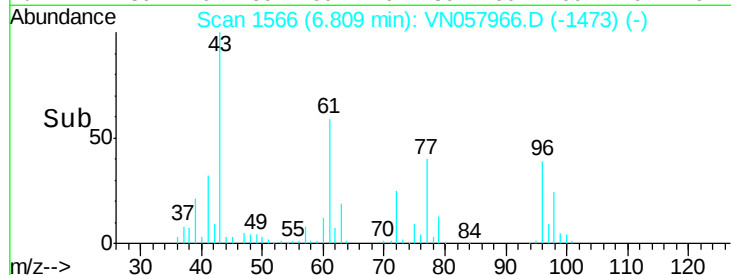
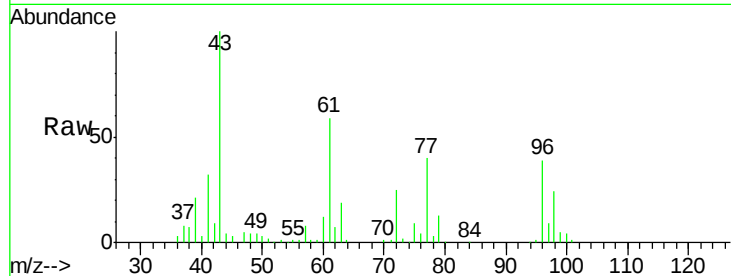
ClientSampleId :

VN0913WBSD01

Tot Ion:	96	Resp:	90990
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	314.0
98	65.7	0.0	128.6

Manual Integrations
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9/13/2019 1:05:38 PM



#28

Bromochloromethane

Concen: 20.480 ug/l

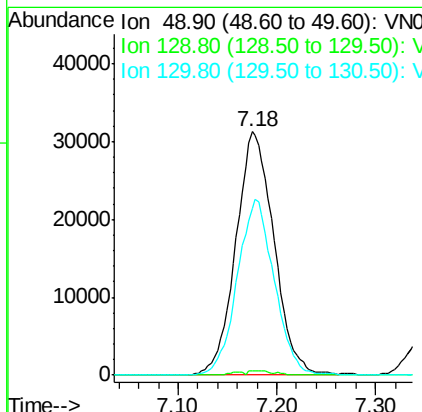
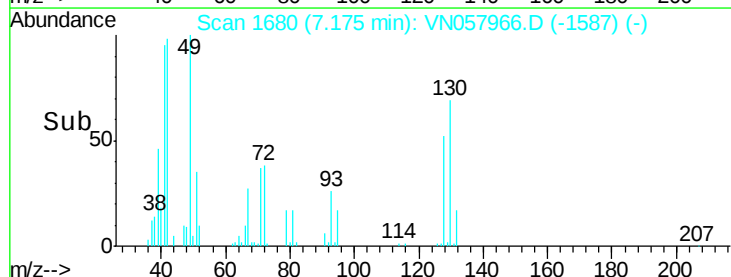
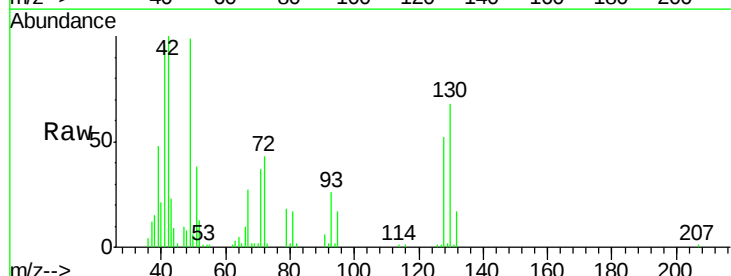
RT: 7.18 min Scan# 1680

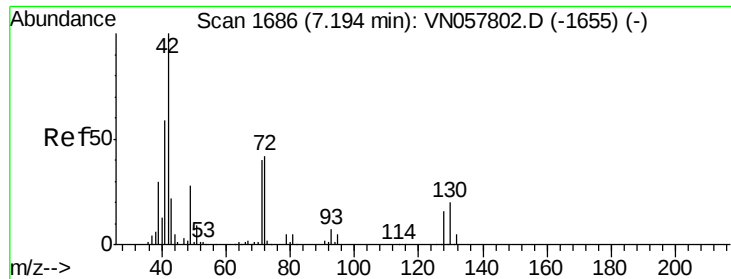
Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	49	Resp:	83751
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	69.9	53.0	79.6





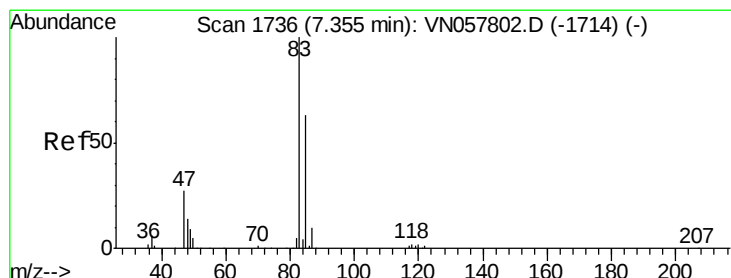
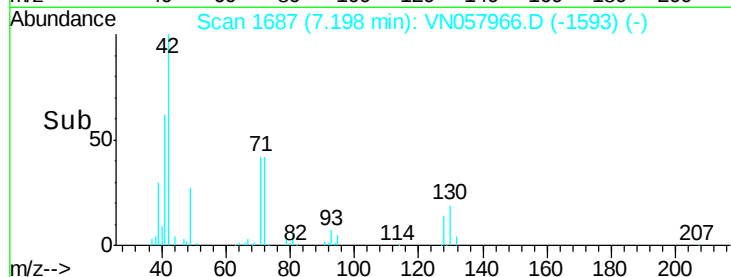
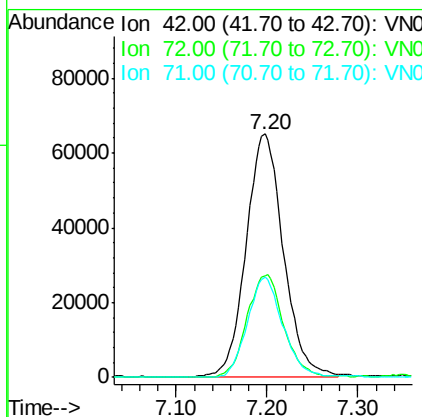
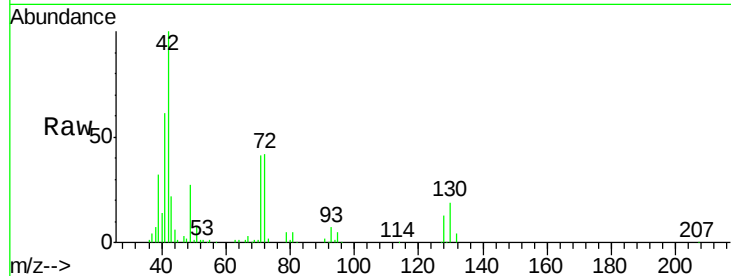
#29
Tetrahydrofuran
Concen: 101.438 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.4	31.9	47.9

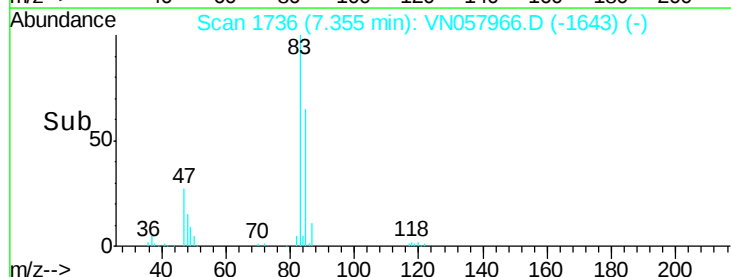
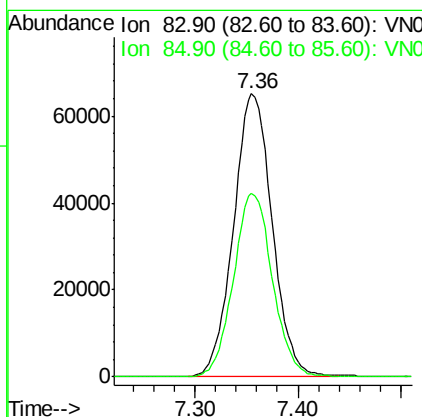
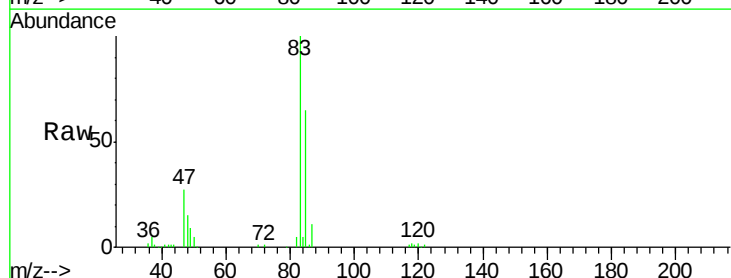
Manual Integrations
APPROVED

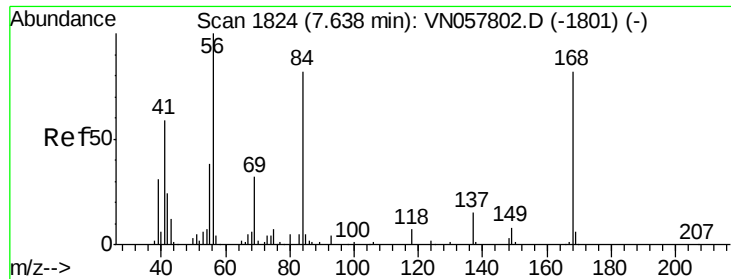
MMDadoda
9/13/2019 1:05:38 PM



#30
Chloroform
Concen: 19.870 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





#31

Cyclohexane

Concen: 19.738 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

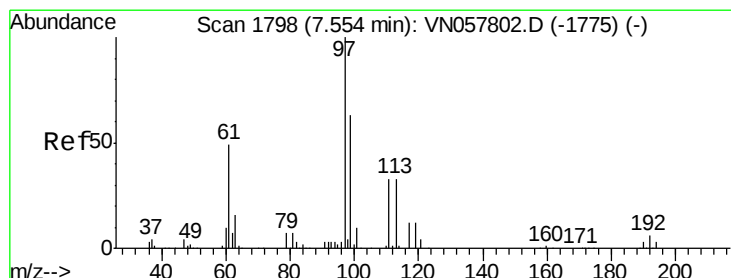
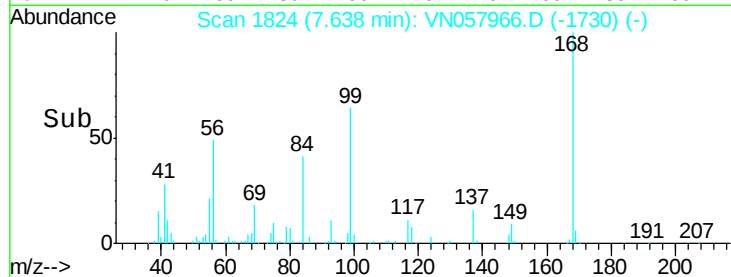
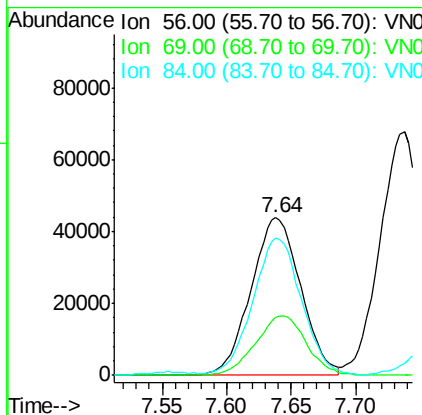
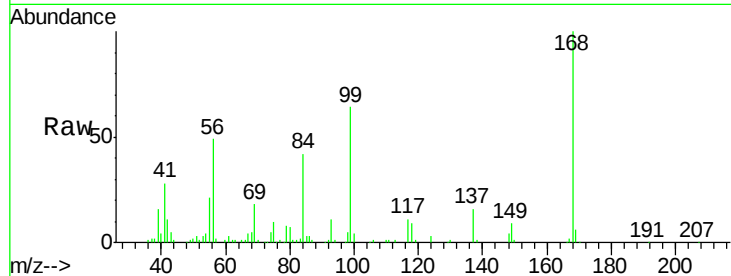
ClientSampleId :

VN0913WBSD01

Tot Ion:	56	Resp:	117650
Ion Ratio	Lower	Upper	
56	100		
69	37.0	25.9	38.9
84	85.3	65.6	98.4

Manual Integrations
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9/13/2019 1:05:38 PM



#32

1,1,1-Trichloroethane

Concen: 19.208 ug/l

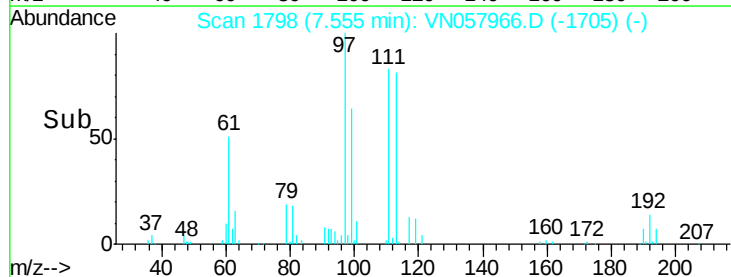
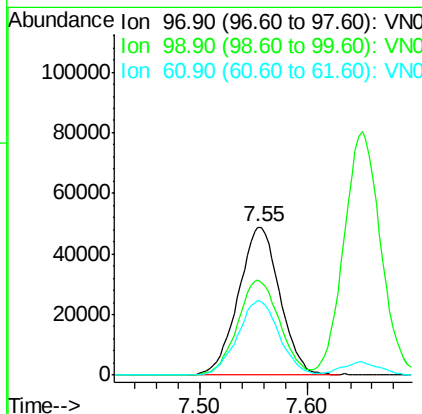
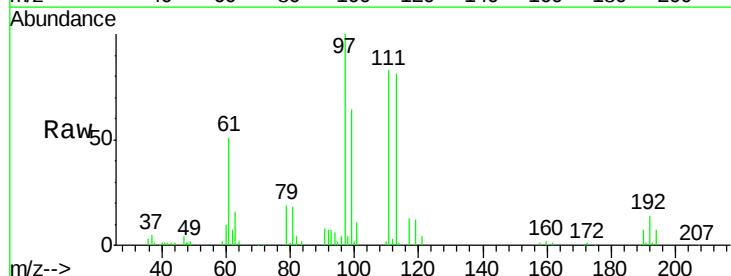
RT: 7.55 min Scan# 1798

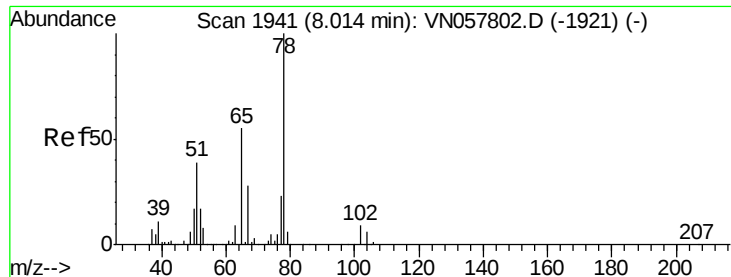
Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	97	Resp:	130384
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.4
61	50.3	39.0	58.6





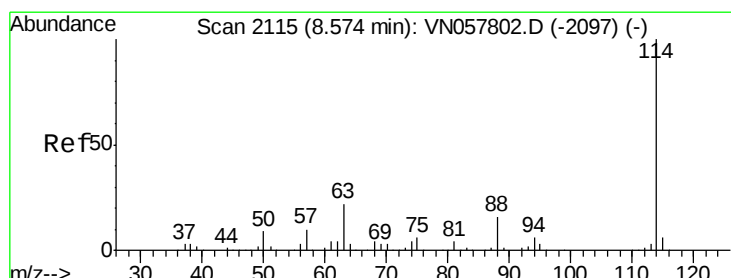
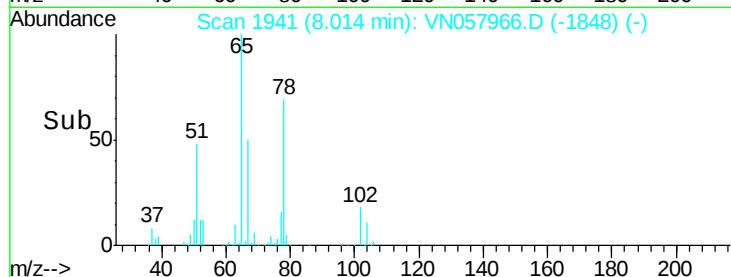
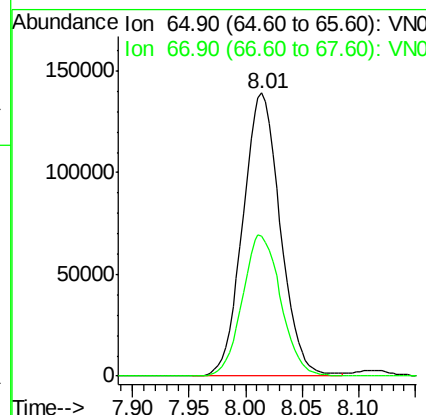
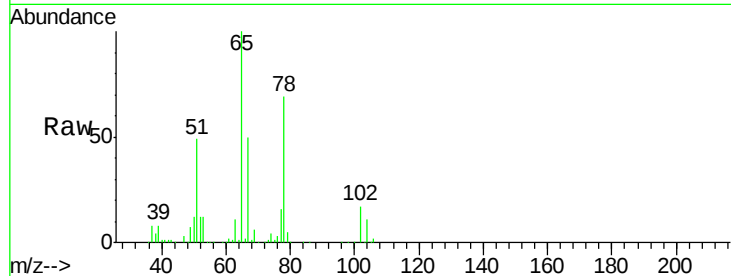
#33
 1,2-Dichloroethane-d4
 Concen: 51.687 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	104.0	

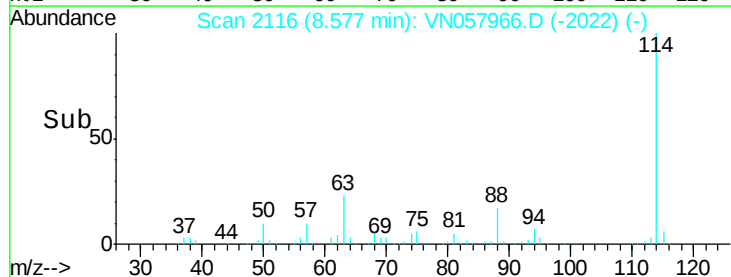
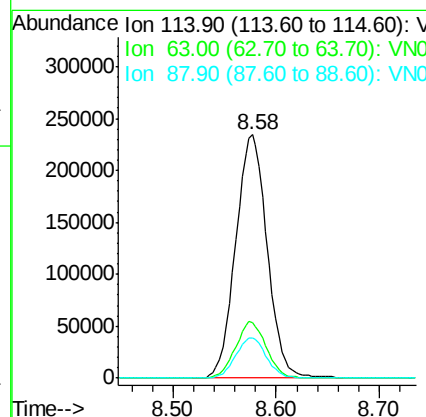
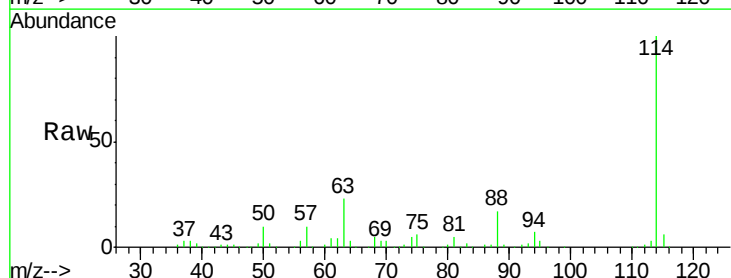
Manual Integrations
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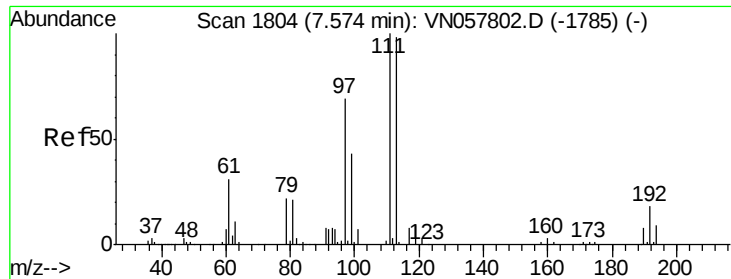
MMDadoda
 9/13/2019 1:05:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	44.0	
88	16.5	0.0	31.4	





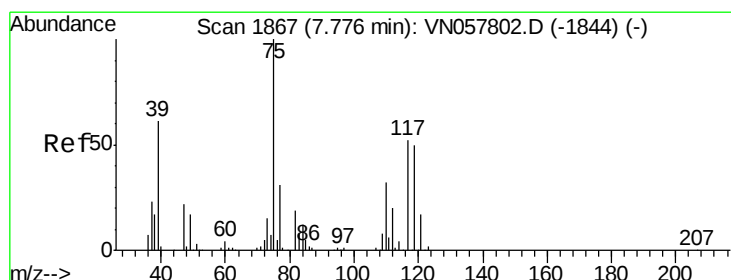
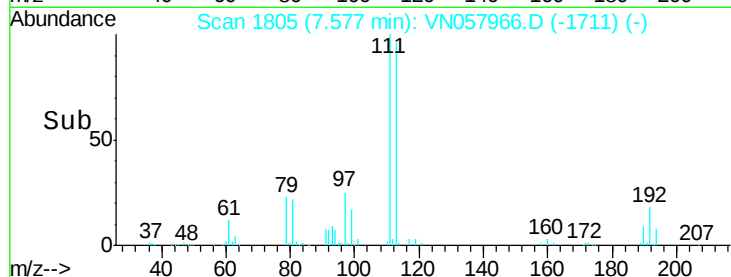
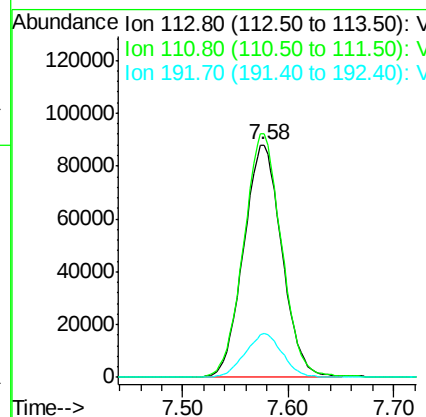
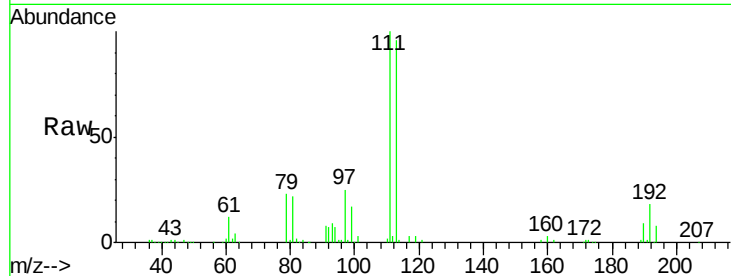
#35
Dibromofluoromethane
Concen: 48.314 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222132		
111	104.0	81.3	121.9	
192	18.4	14.6	22.0	

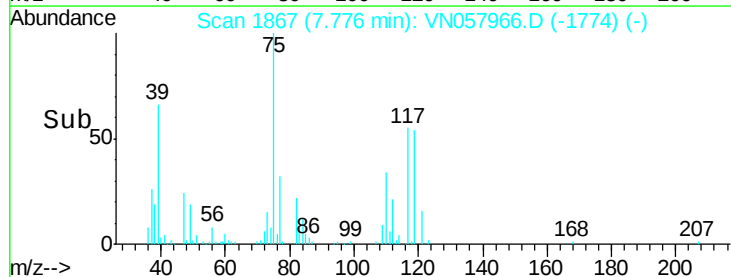
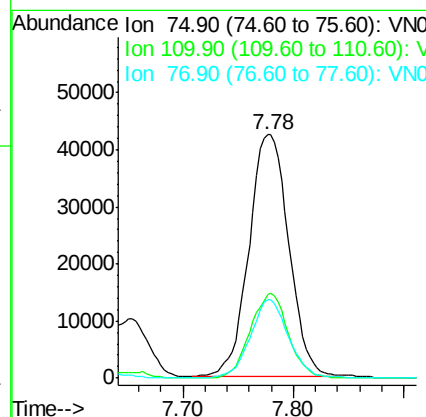
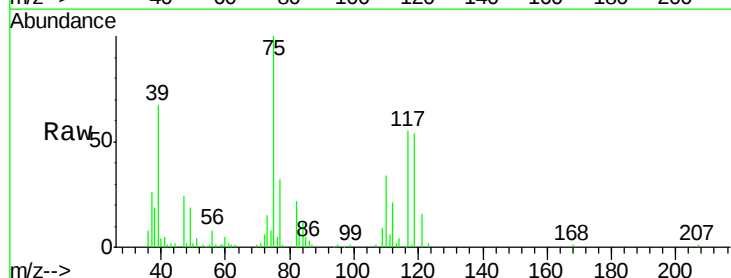
Manual Integrations
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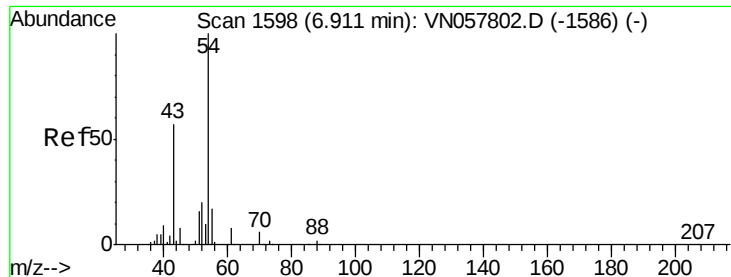
MMDadoda
9/13/2019 1:05:38 PM



#36
1,1-Dichloropropene
Concen: 18.379 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106178		
110	33.3	16.3	48.9	
77	31.0	25.0	37.4	





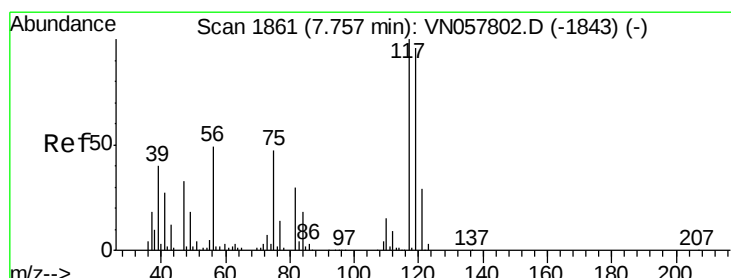
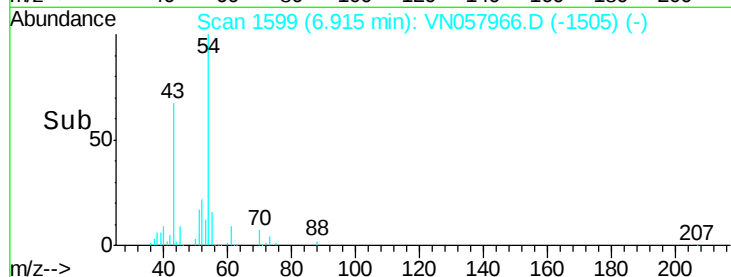
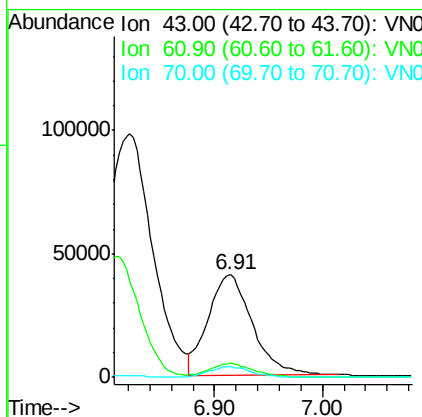
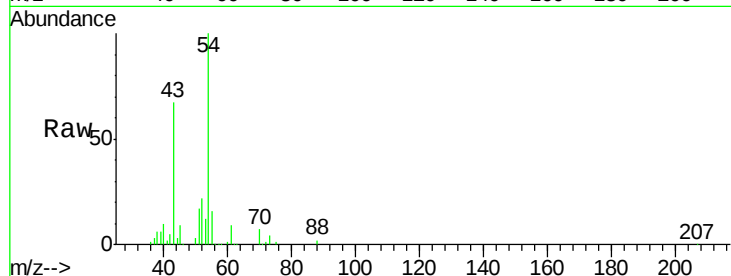
#37
Ethyl Acetate
Concen: 19.590 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.3	10.5	15.7	
70	10.0	7.4	11.0	

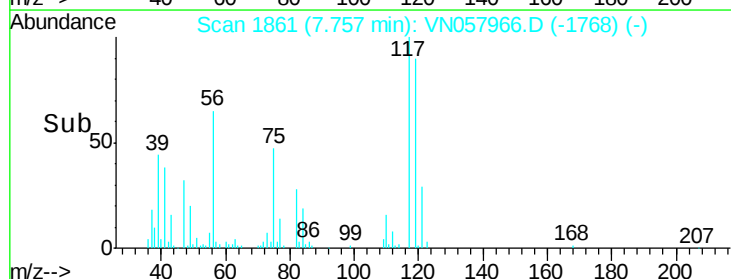
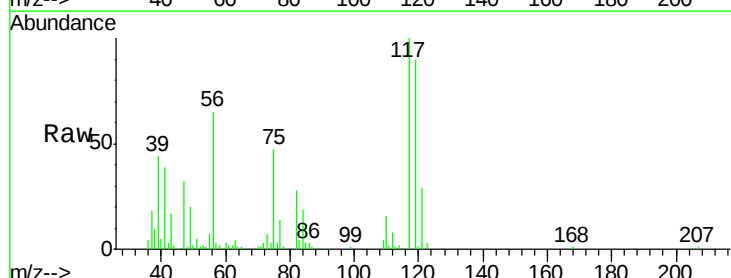
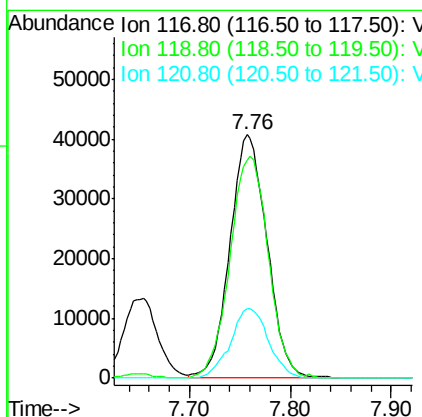
Manual Integrations
APPROVED

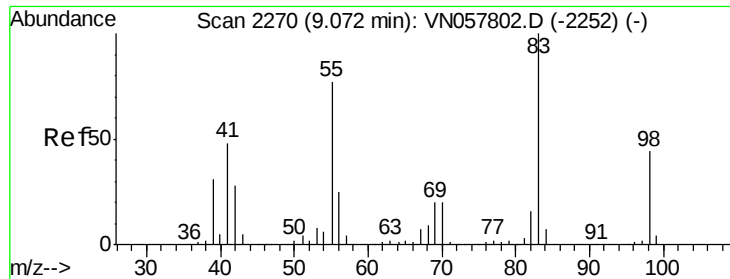
MMDadoda
9/13/2019 1:05:38 PM



#38
Carbon Tetrachloride
Concen: 19.712 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	89.6	76.9	115.3	
121	28.6	23.4	35.2	





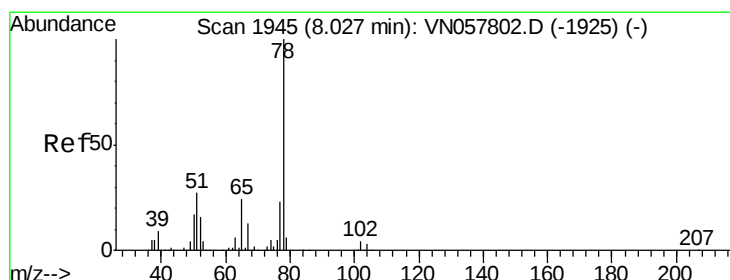
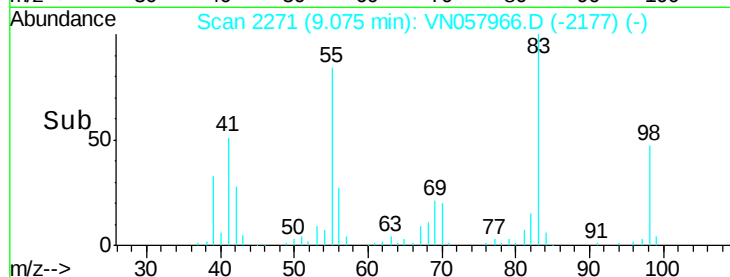
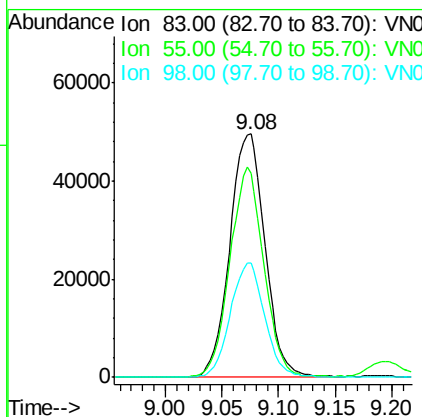
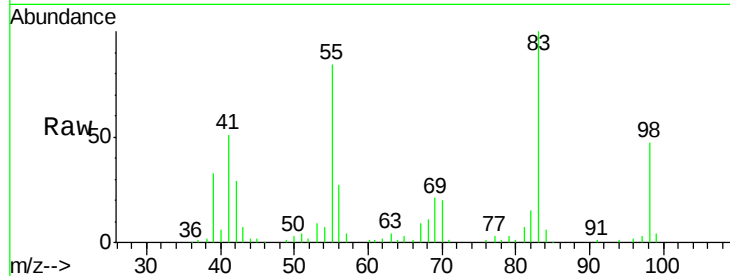
#39
Methvlcvclohexane
Concen: 17.729 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	61.6	92.4
98	47.2	34.9	52.3

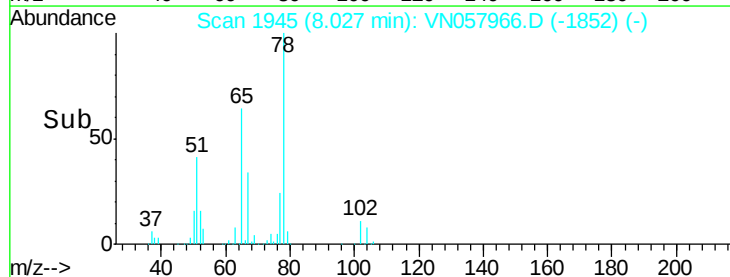
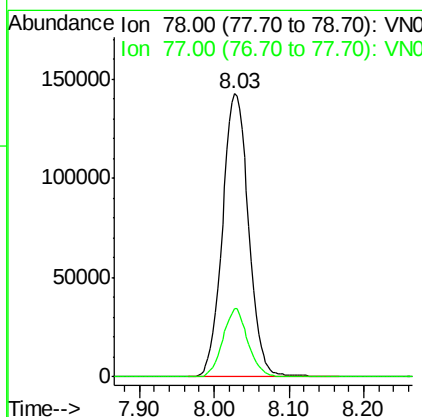
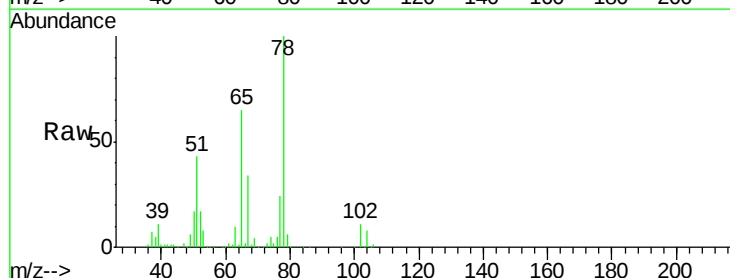
Manual Integrations
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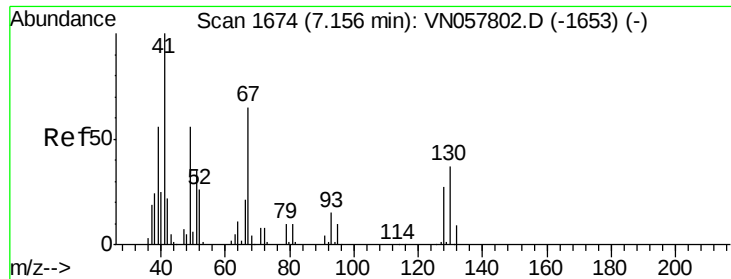
MMDadoda
9/13/2019 1:05:38 PM



#40
Benzene
Concen: 19.836 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5





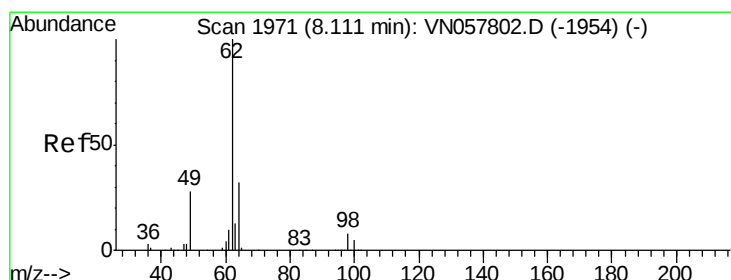
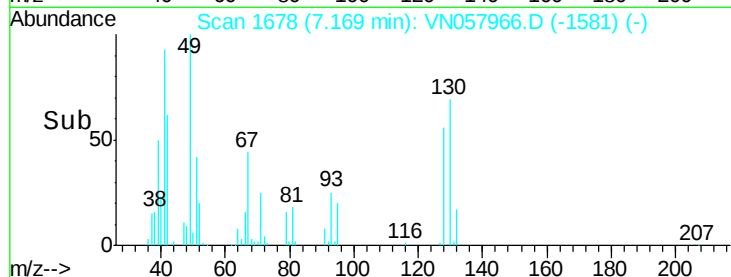
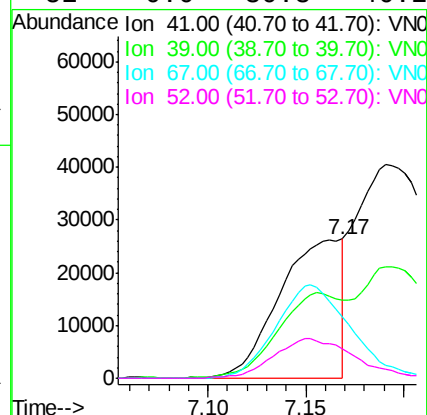
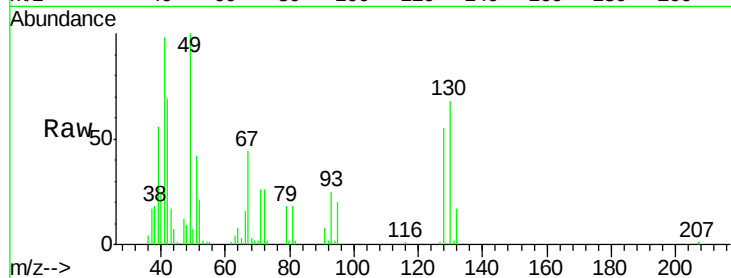
#41
Methacrylonitrile
Concen: 21.754 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	83.6	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

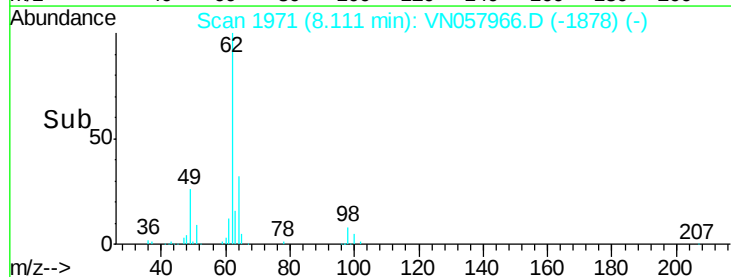
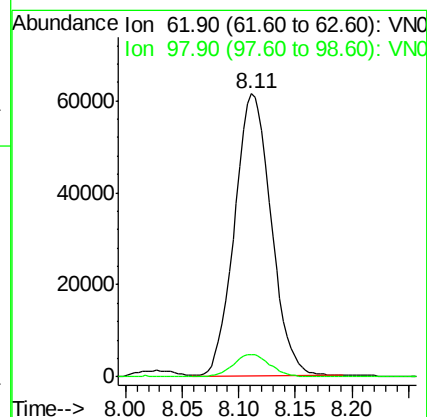
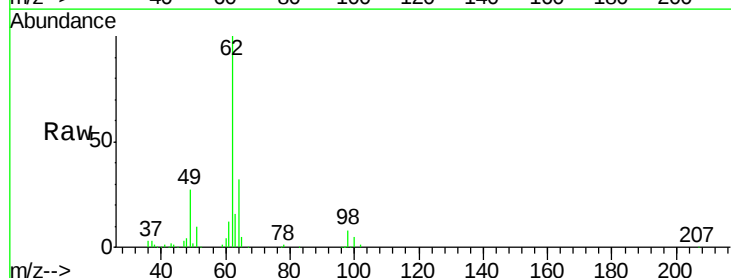
Manual Integrations
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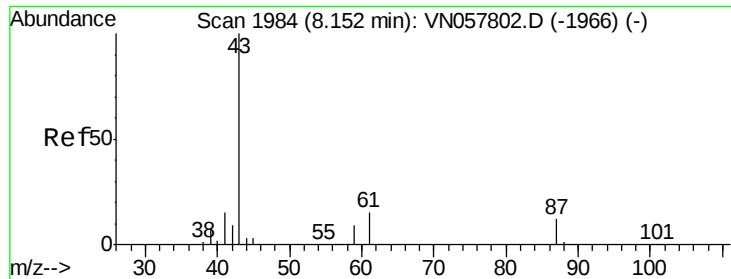
MMDadoda
9/13/2019 1:05:38 PM



#42
1,2-Dichloroethane
Concen: 19.934 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.061 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

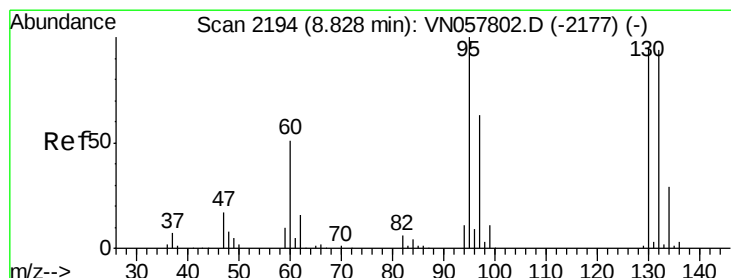
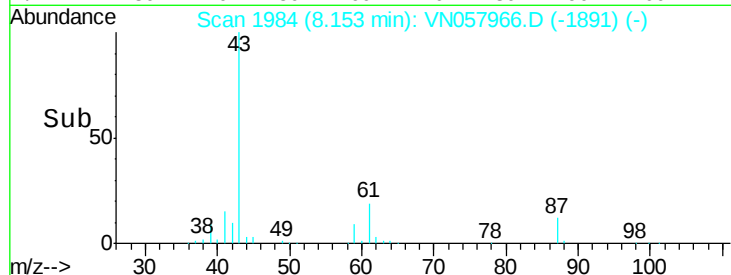
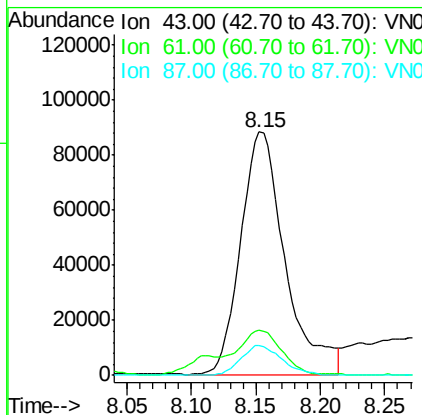
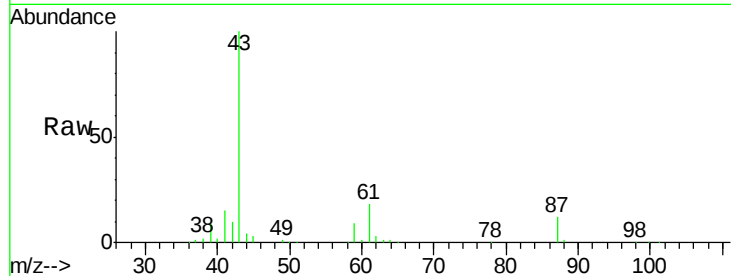
ClientSampleId :

VN0913WBSD01

Tot Ion:	43	Resp:	211409
Ion	Ratio	Lower	Upper
43	100		
61	16.1	20.1	30.1#
87	11.3	9.5	14.3

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9/13/2019 1:05:38 PM



#44

Trichloroethene

Concen: 18.927 ug/l

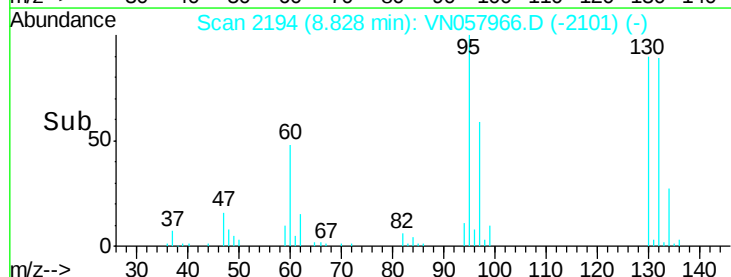
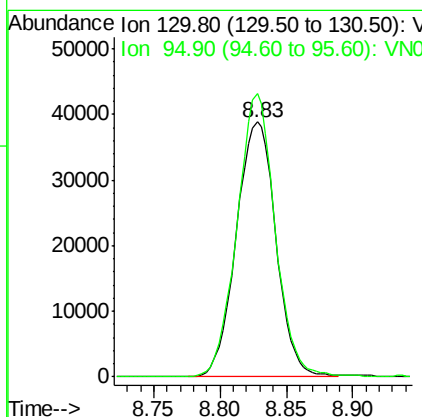
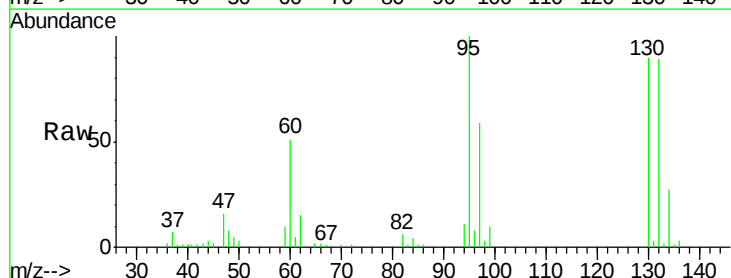
RT: 8.83 min Scan# 2194

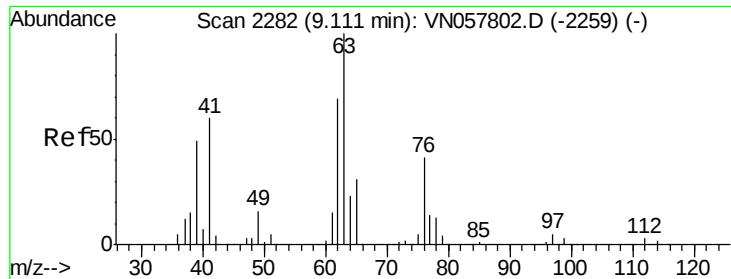
Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	130	Resp:	80742
Ion	Ratio	Lower	Upper
130	100		
95	111.1	0.0	211.4





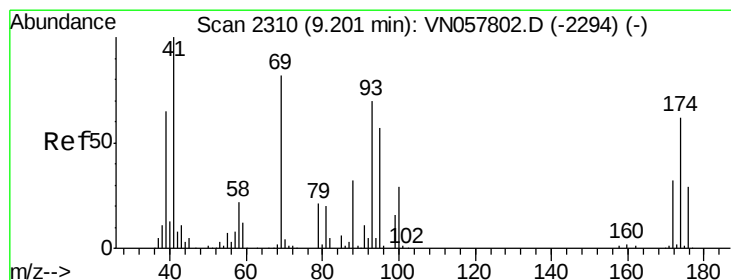
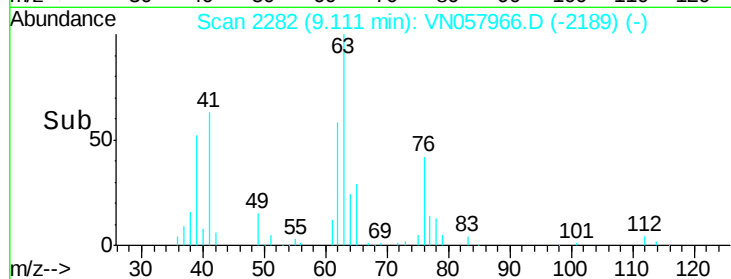
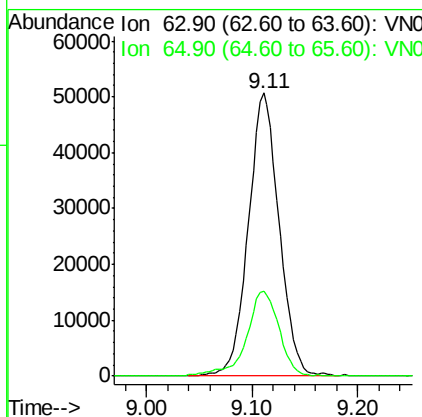
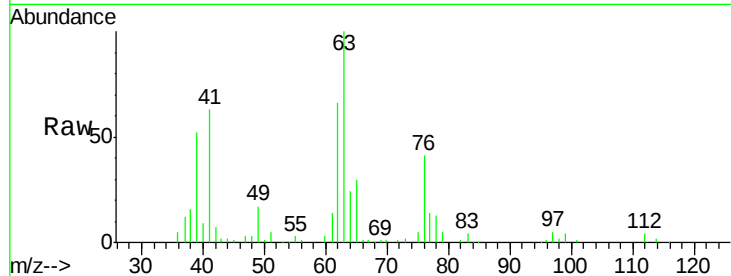
#45
 1,2-Dichloropropane
 Concen: 20.388 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion: 63 Resp: 103184
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.8 37.2

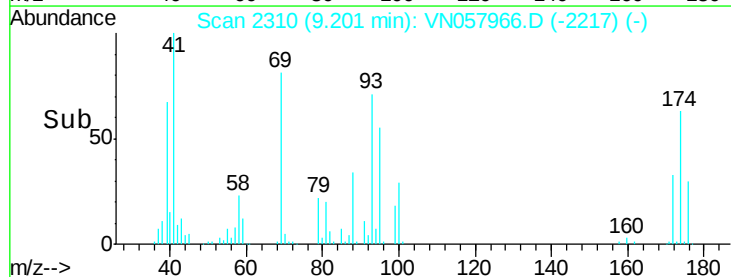
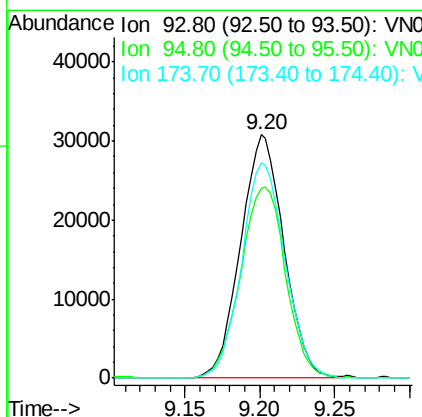
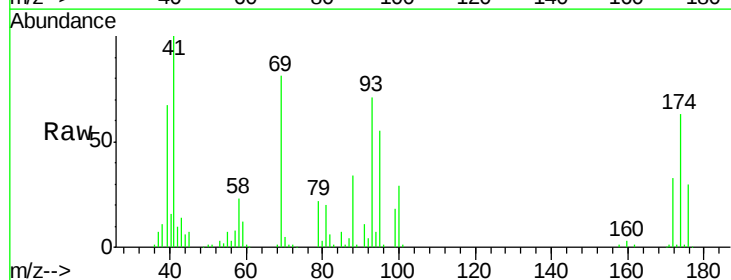
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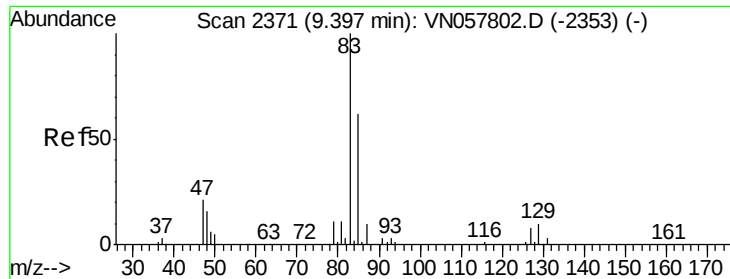
MMDadoda
 9/13/2019 1:05:38 PM



#46
 Dibromomethane
 Concen: 20.269 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 93 Resp: 61990
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.9 98.9
 174 89.3 71.8 107.6





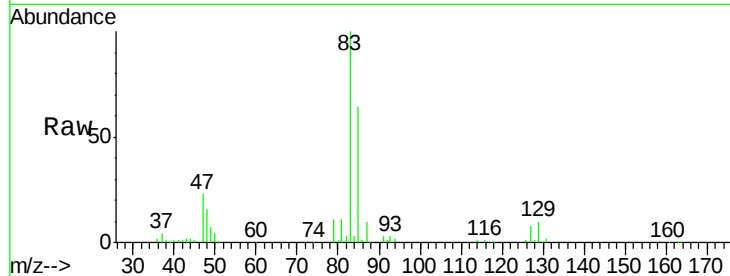
#47
Bromodichloromethane
Concen: 20.114 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	83	Resp	122840
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	7.7	6.5	9.7

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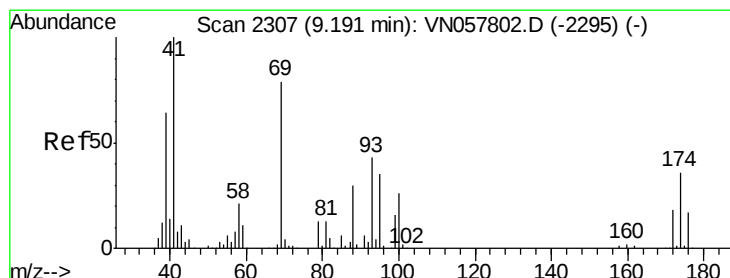
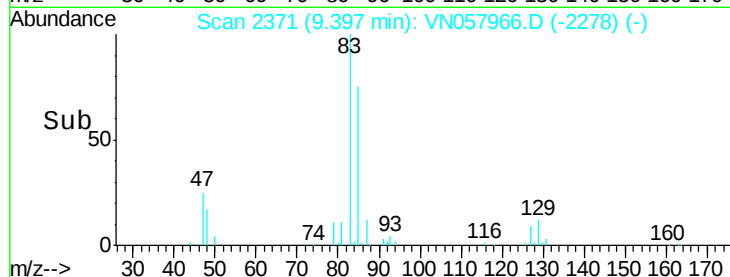
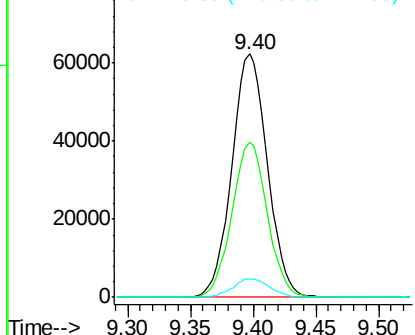
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN057966.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057966.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057966.D (-2278) (-)



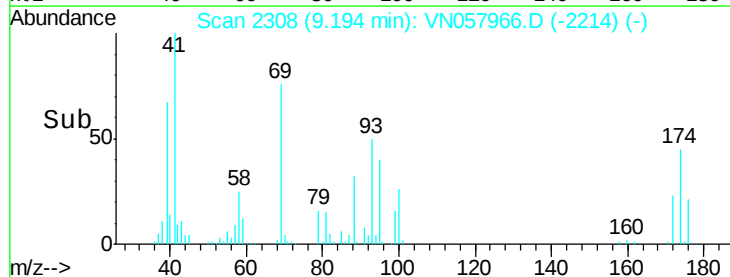
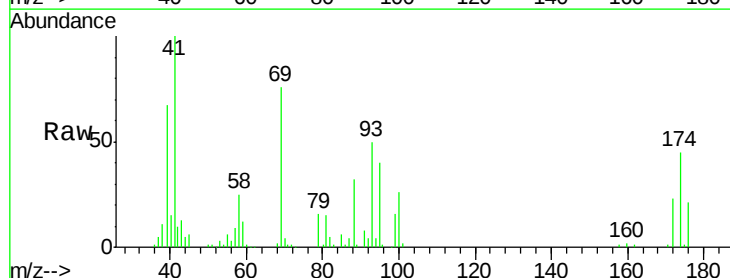
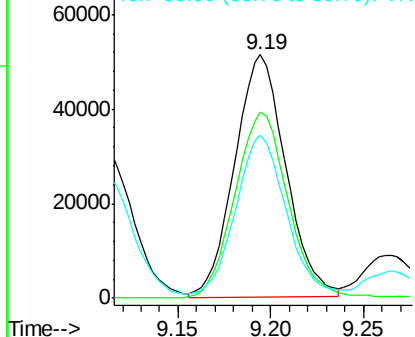
#48
Methyl methacrylate
Concen: 19.279 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

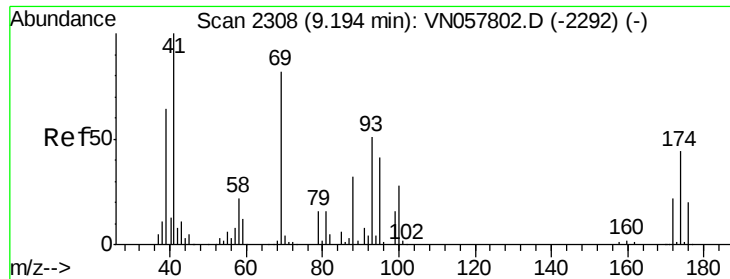
Tgt Ion	41	Resp	98163
Ion Ratio	100	Lower	Upper
41	100		
69	80.3	62.7	94.1
39	66.6	52.7	79.1

Abundance Ion 41.00 (40.70 to 41.70): VN057966.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN057966.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN057966.D (-2214) (-)





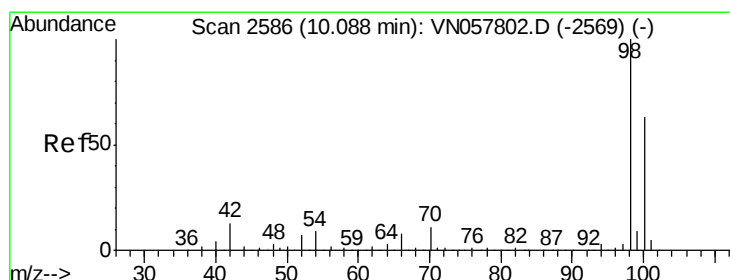
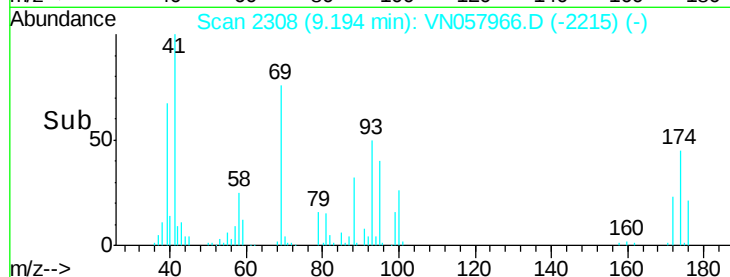
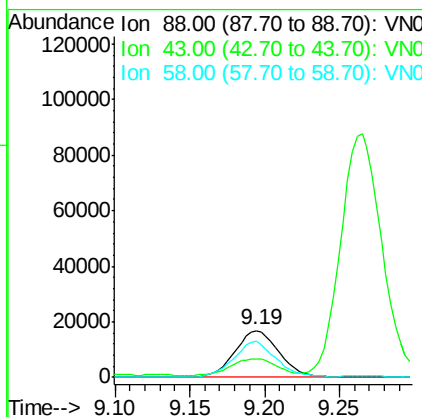
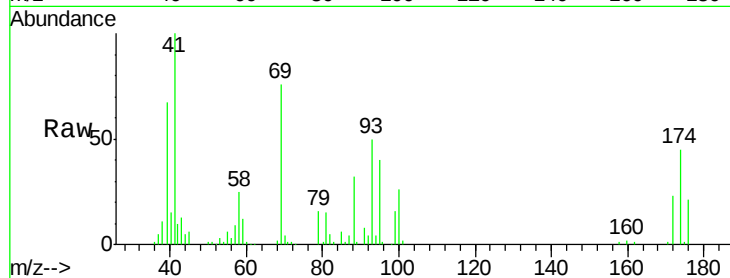
#49
1,4-Dioxane
Concen: 402.580 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.5	42.7
58	73.7	55.8	83.6

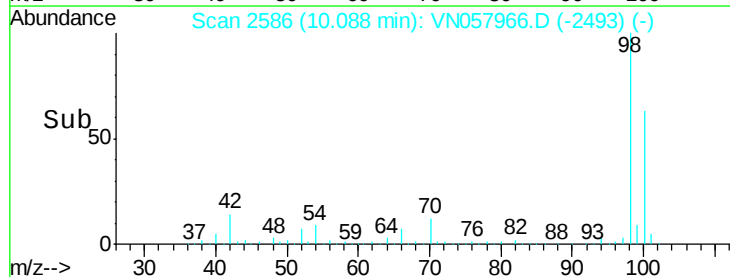
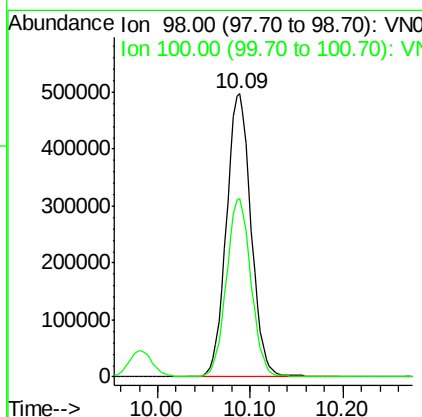
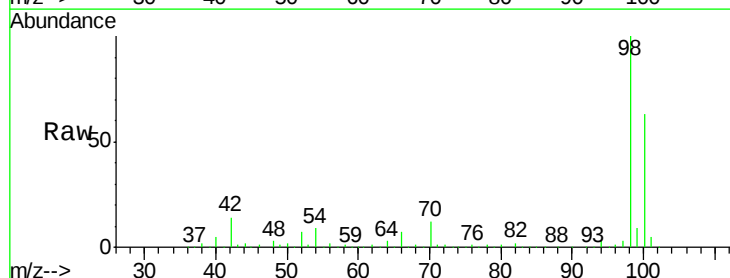
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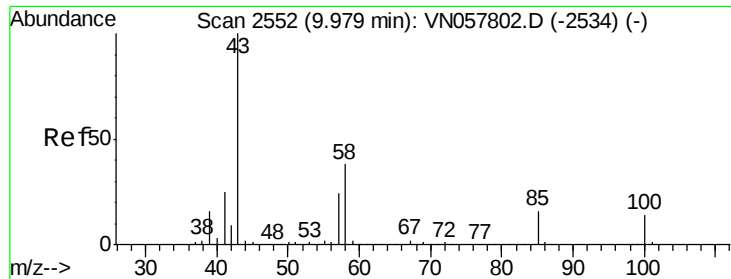
MMDadoda
9/13/2019 1:05:38 PM



#50
Toluene-d8
Concen: 51.364 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 109.845 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 43 Resp: 652483

Ion Ratio Lower Upper

43 100

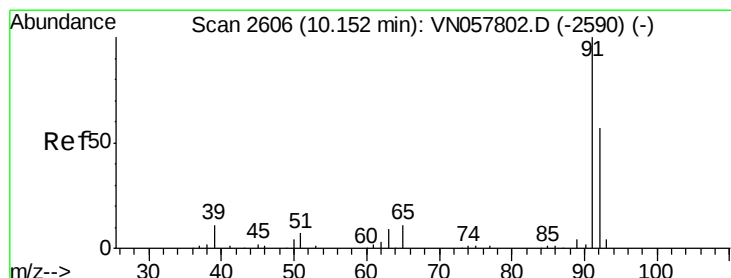
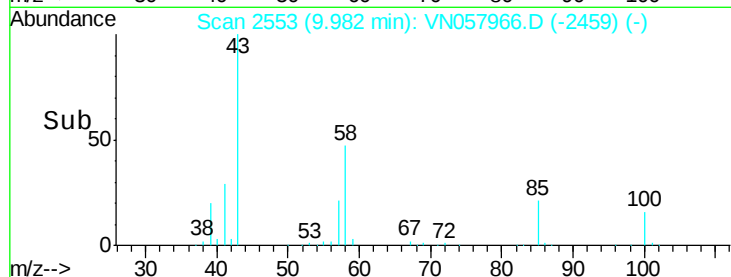
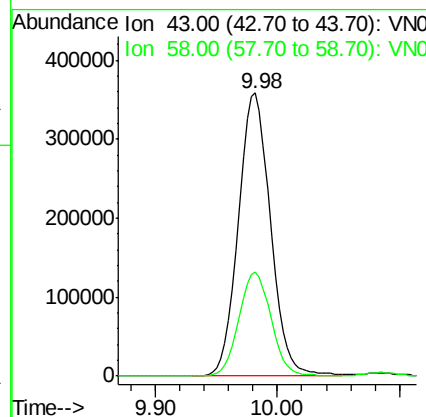
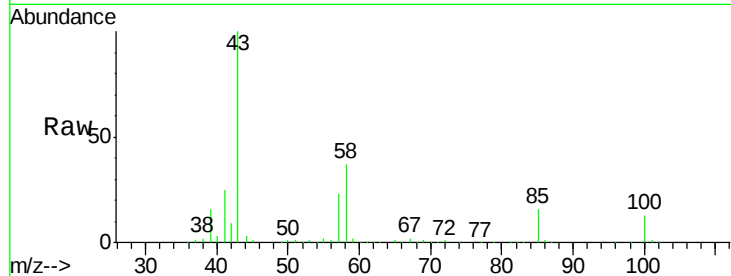
58 36.8 29.8 44.6

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#52

Toluene

Concen: 19.348 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057966.D

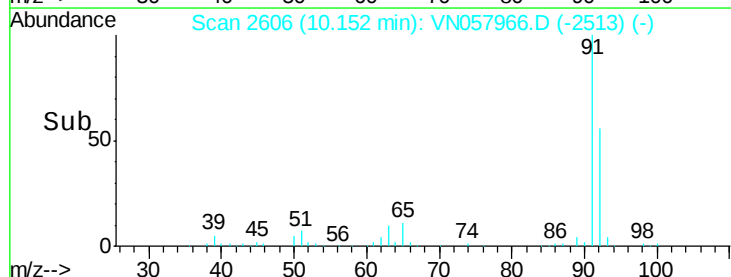
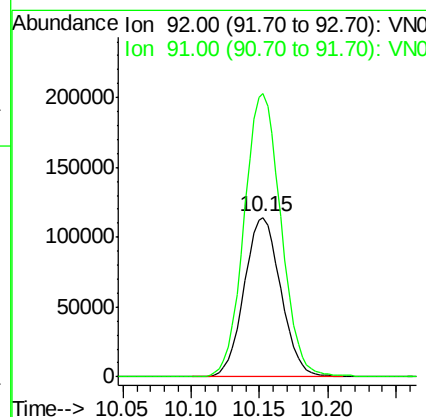
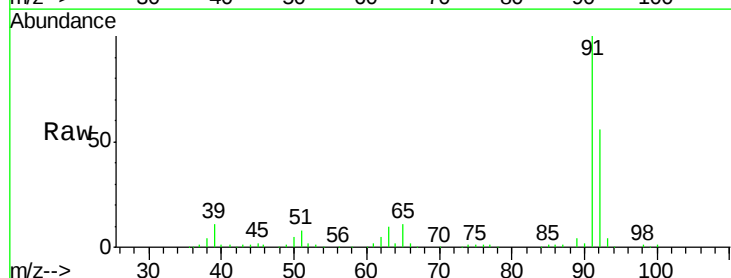
Acq: 12 Sep 2019 13:26

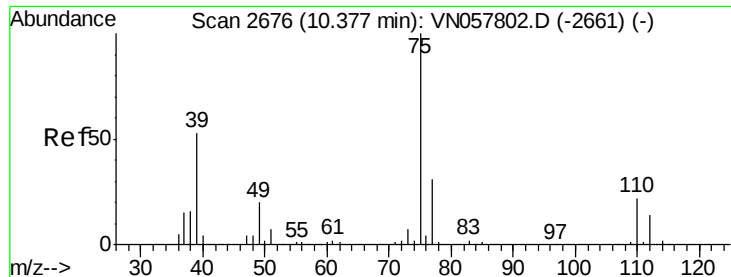
Tgt Ion: 92 Resp: 211956

Ion Ratio Lower Upper

92 100

91 179.4 141.0 211.6





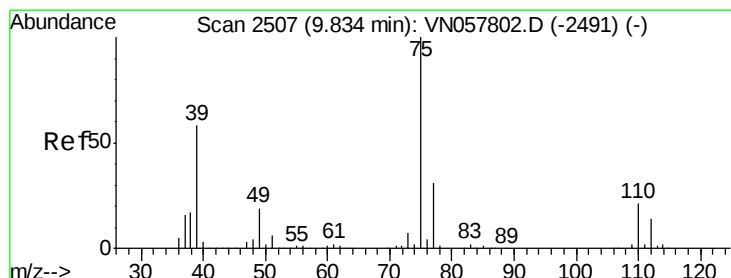
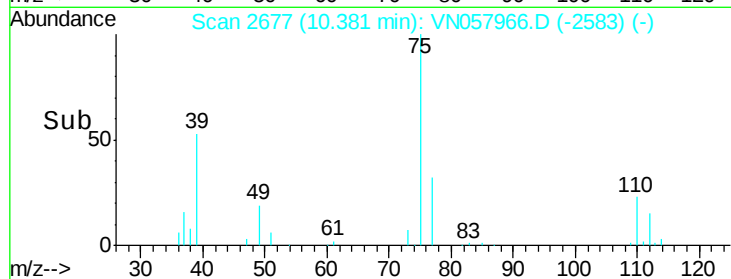
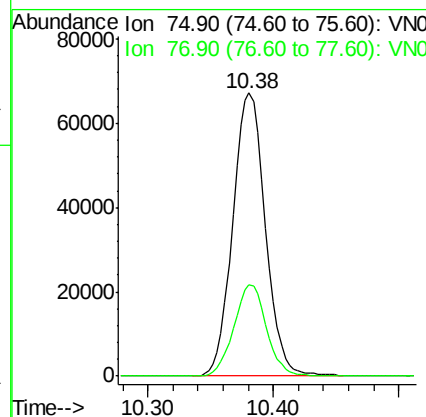
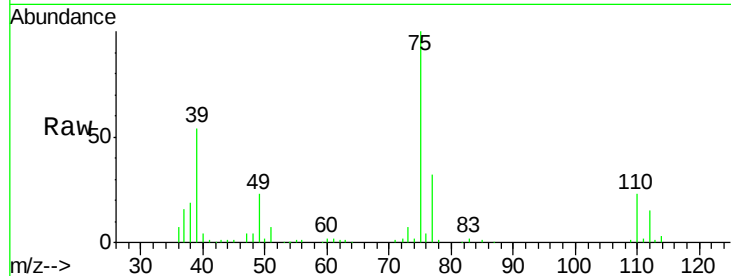
#53
t-1,3-Dichloropropene
Concen: 18.808 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 75 Resp: 120957
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7

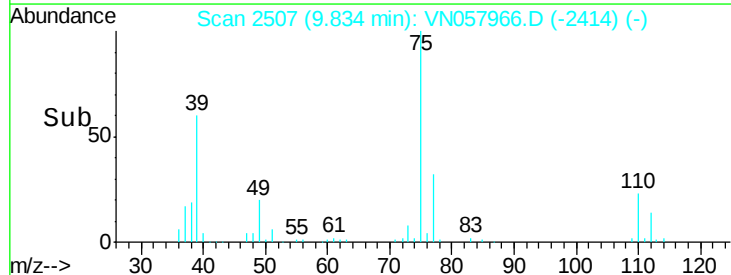
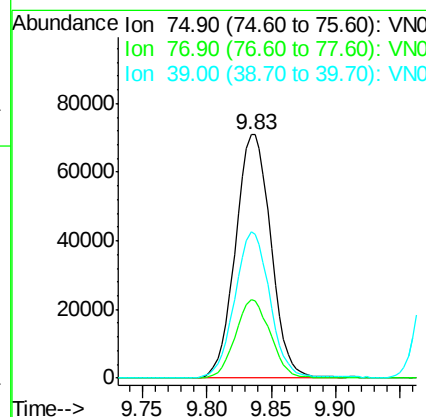
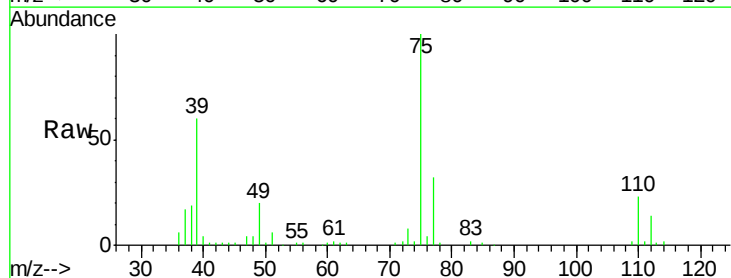
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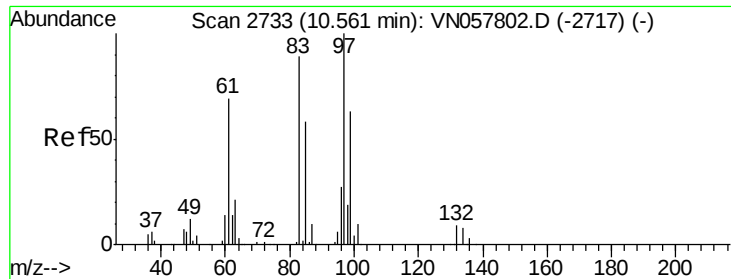
MMDadoda
9/13/2019 1:05:38 PM



#54
cis-1,3-Dichloropropene
Concen: 19.111 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 75 Resp: 135697
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 60.2 46.2 69.4





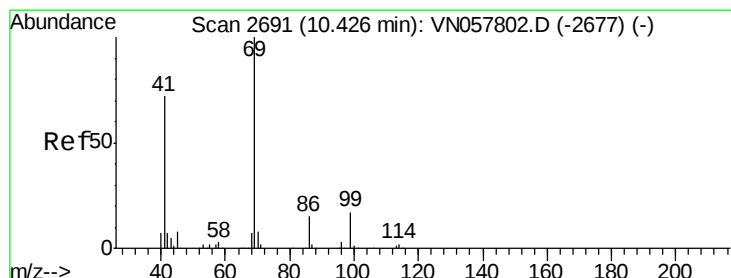
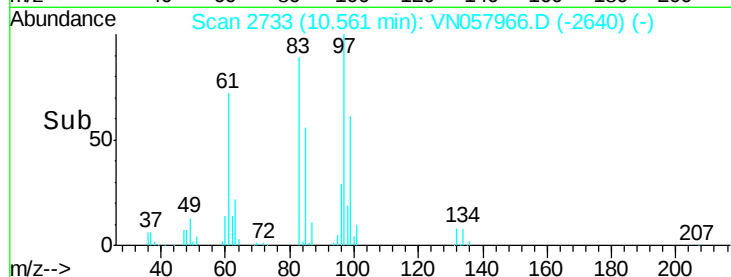
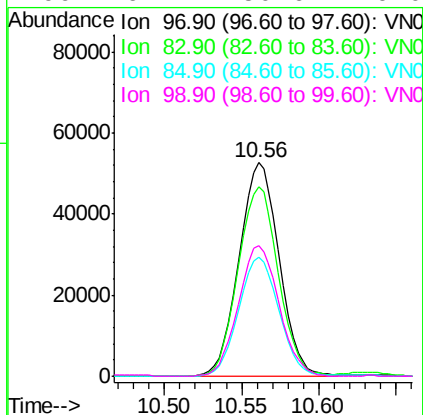
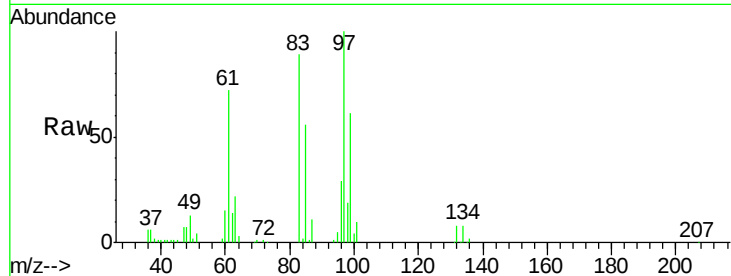
#55
 1,1,2-Trichloroethane
 Concen: 20.478 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion:	97	Resp:	95024
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.8	106.2
85	55.6	46.0	69.0
99	61.2	50.6	76.0

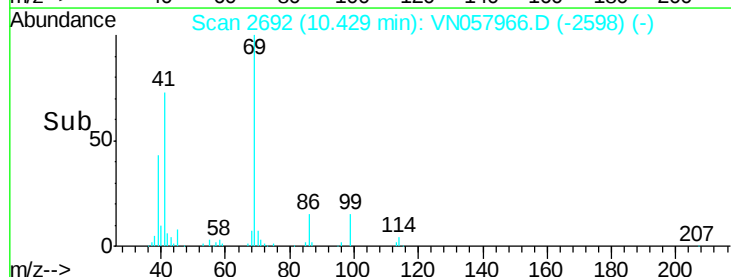
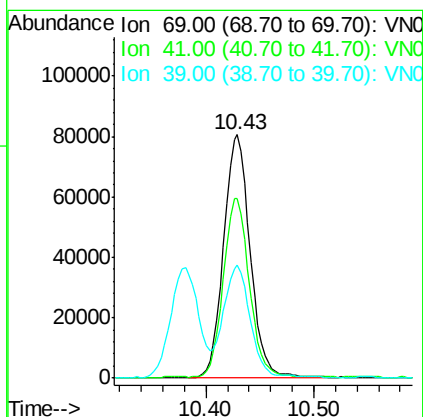
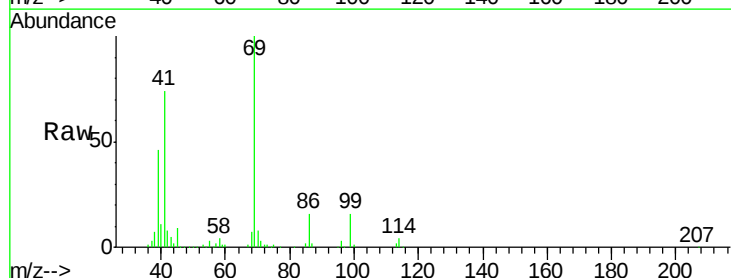
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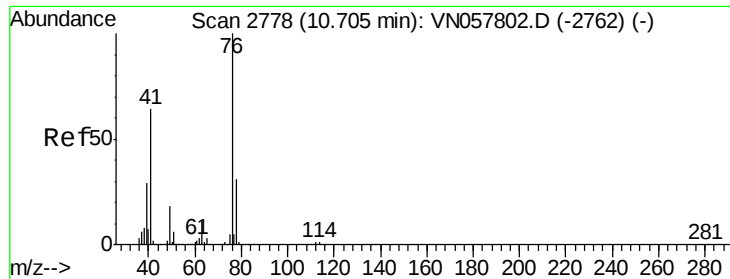
MMDadoda
 9/13/2019 1:05:38 PM



#56
 Ethyl methacrylate
 Concen: 19.811 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion:	69	Resp:	138440
Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.7	85.1
39	47.4	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.625 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 76 Resp: 164939

Ion Ratio Lower Upper

76 100

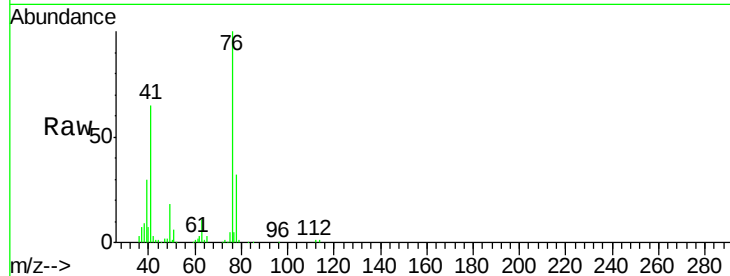
78 31.3 25.4 38.2

Manual Integrations

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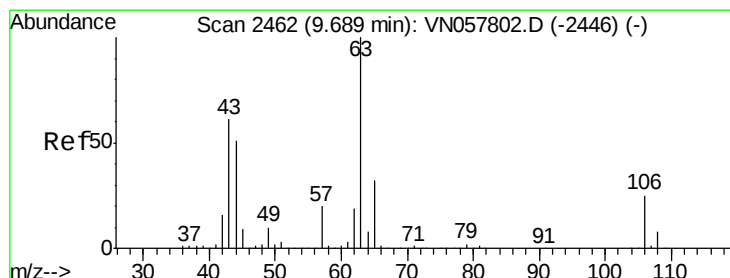
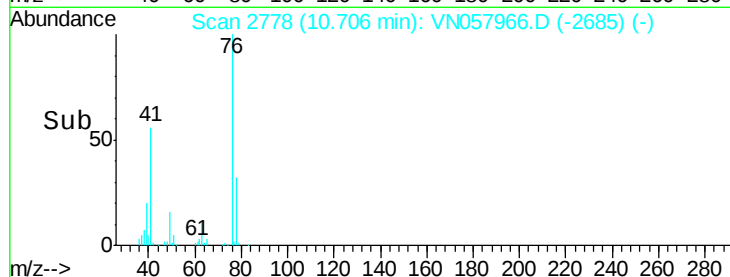
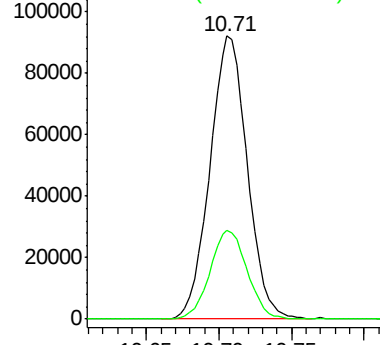
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.744 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057966.D

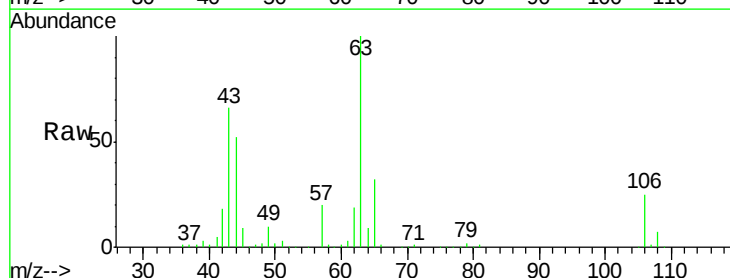
Acq: 12 Sep 2019 13:26

Tgt Ion: 63 Resp: 334863

Ion Ratio Lower Upper

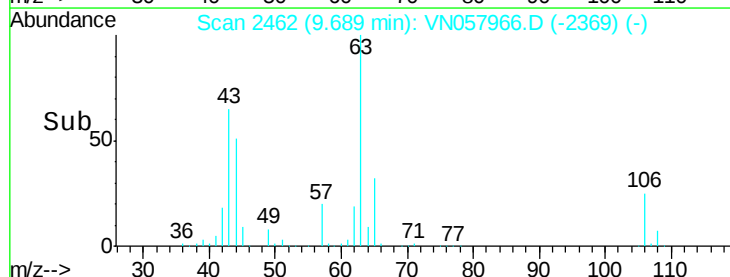
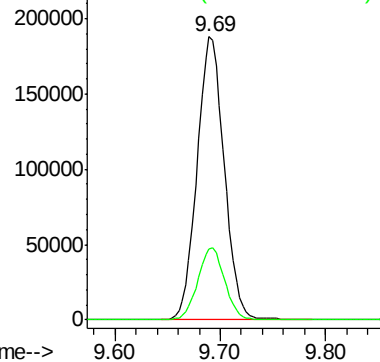
63 100

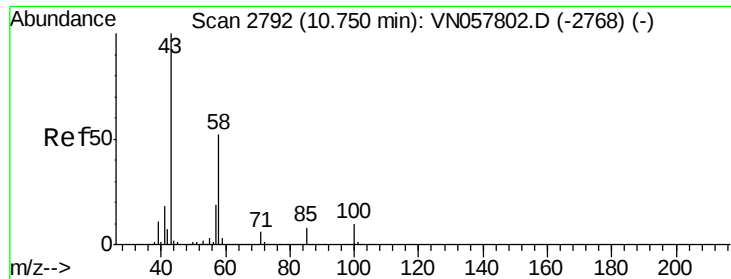
106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 103.333 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 43 Resp: 460071

Ion Ratio Lower Upper

43 100

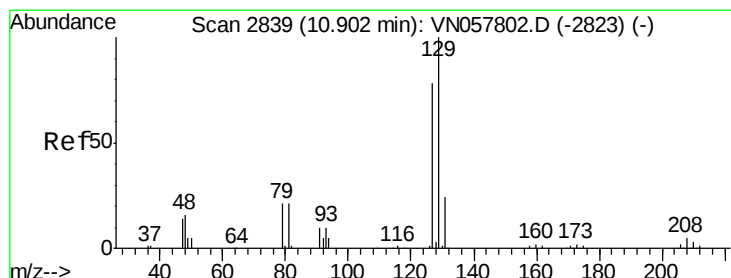
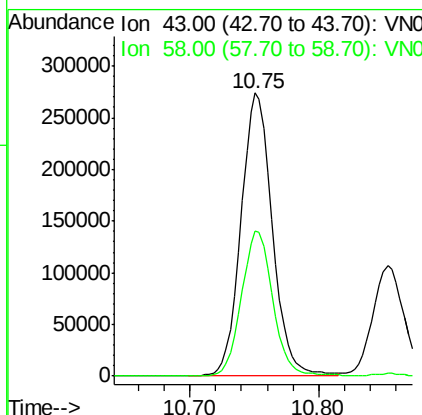
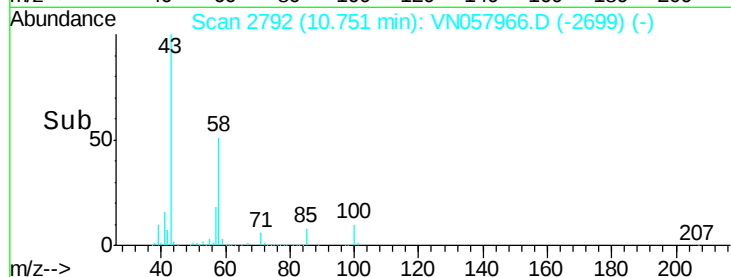
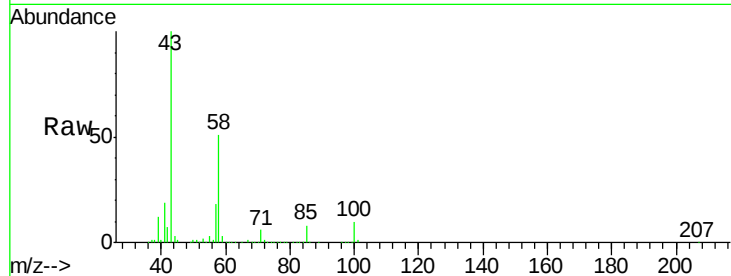
58 51.7 25.6 76.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.054 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057966.D

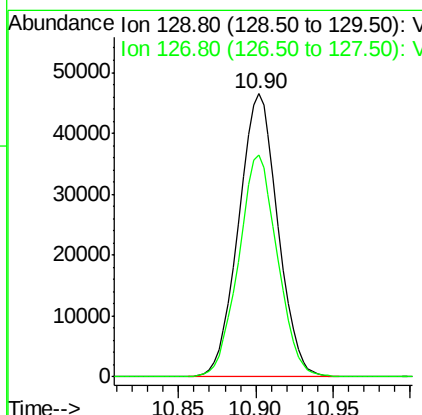
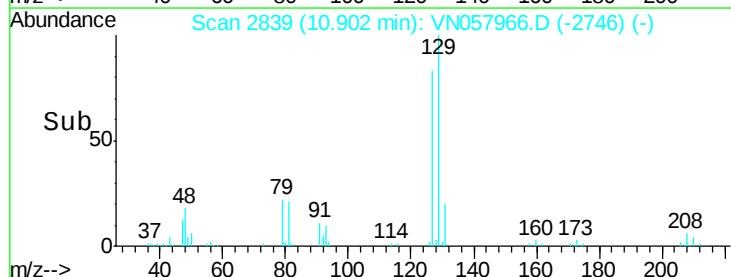
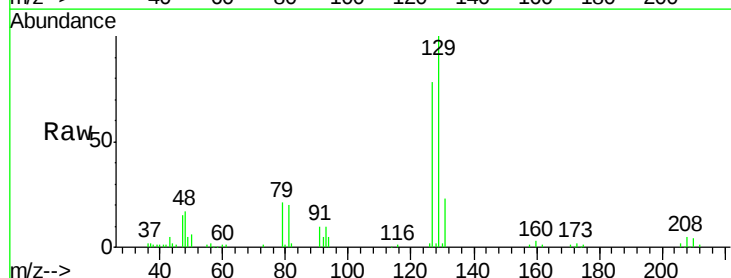
Acq: 12 Sep 2019 13:26

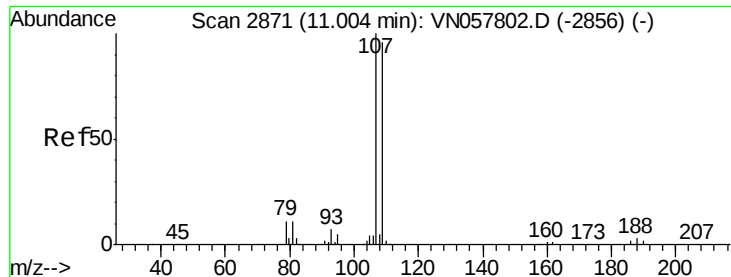
Tgt Ion: 129 Resp: 82104

Ion Ratio Lower Upper

129 100

127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.130 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion:107 Resp: 88312

Ion Ratio Lower Upper

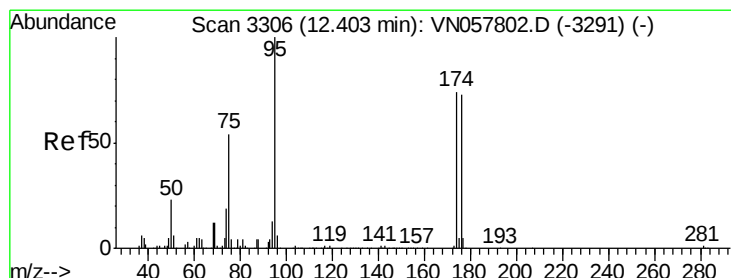
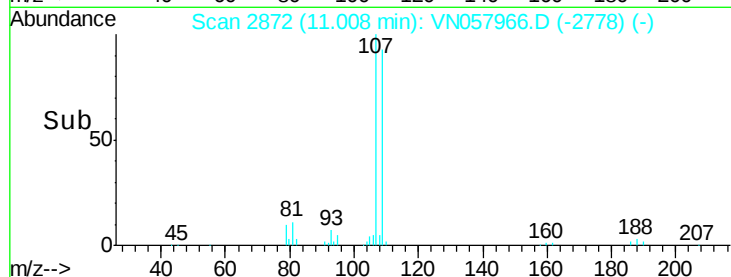
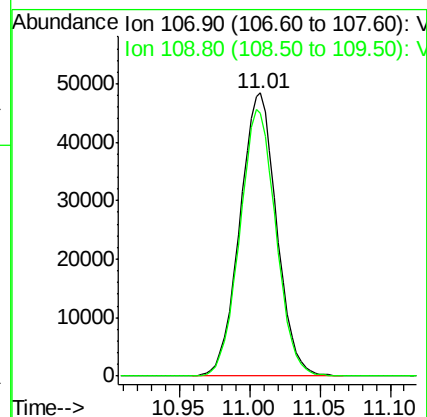
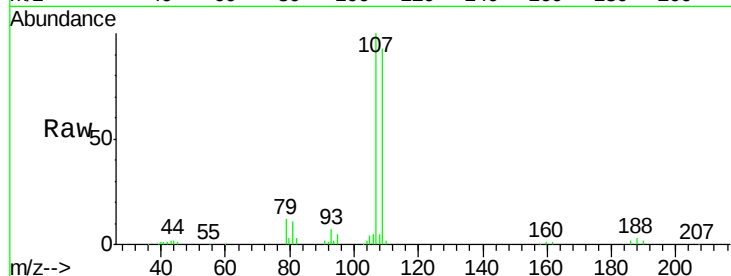
107 100

109 92.5 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.039 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

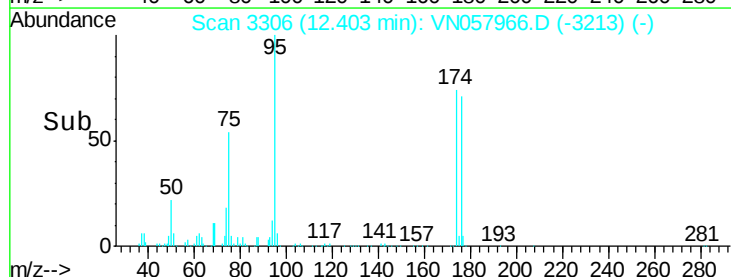
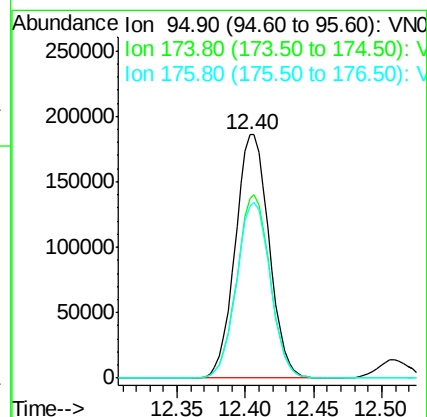
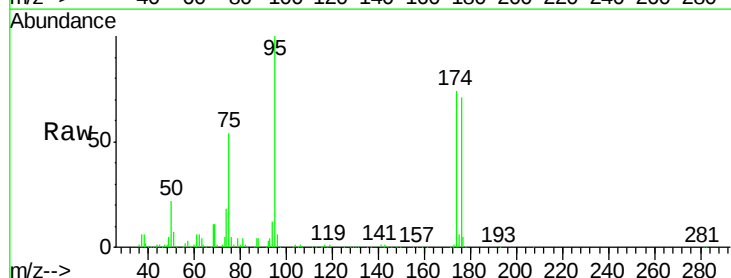
Tgt Ion: 95 Resp: 319996

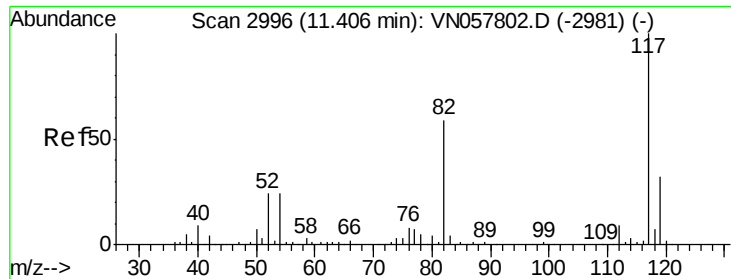
Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.2

176 72.0 0.0 146.0





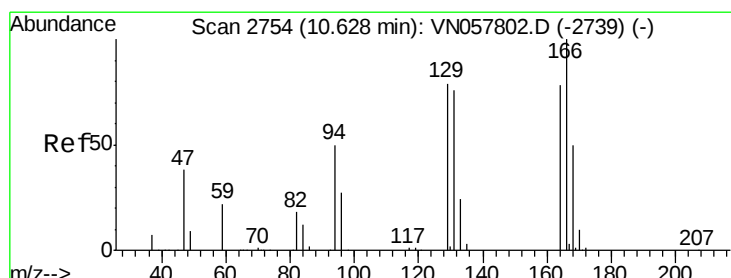
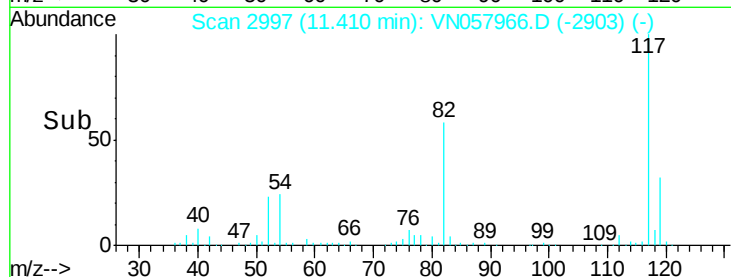
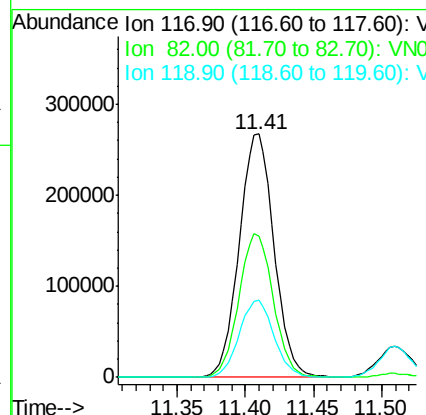
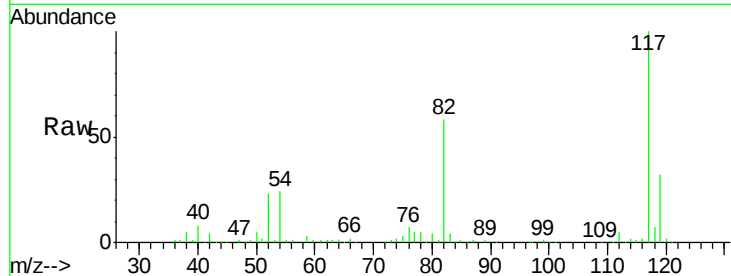
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	31.6	25.3	37.9

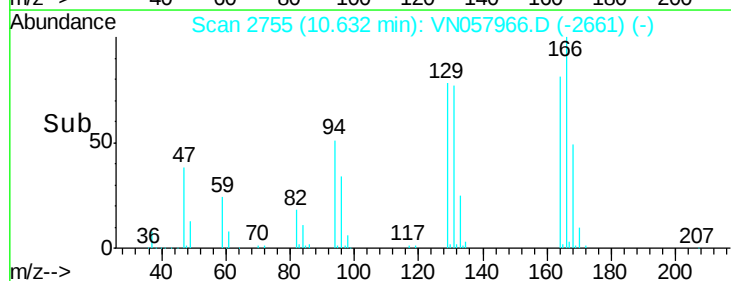
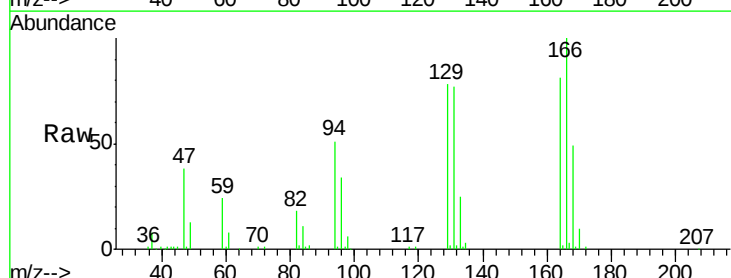
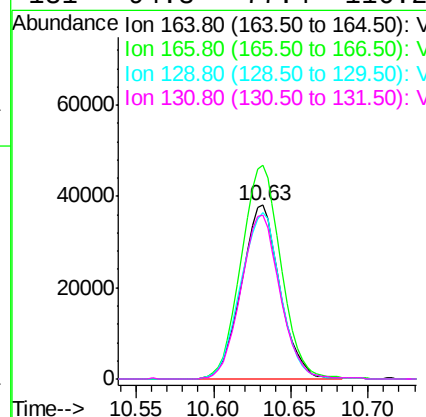
Manual Integrations
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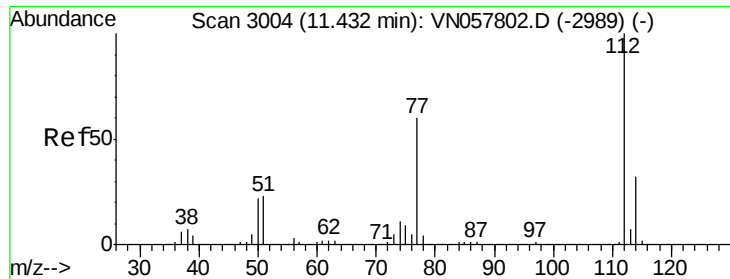
MMDadoda
9/13/2019 1:05:38 PM



#64
Tetrachloroethene
Concen: 18.902 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	102.2	153.2
129	95.9	80.8	121.2
131	94.3	77.4	116.2





#65

Chlorobenzene

Concen: 19.562 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion:112 Resp: 242349

Ion Ratio Lower Upper

112 100

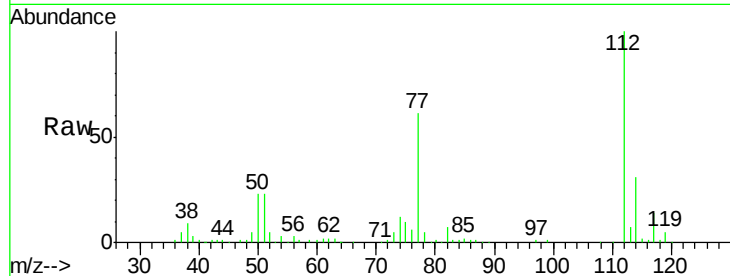
114 31.1 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

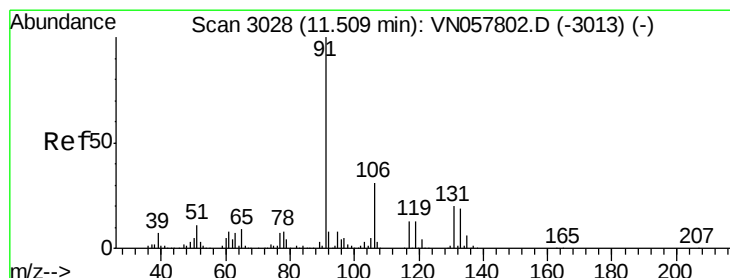
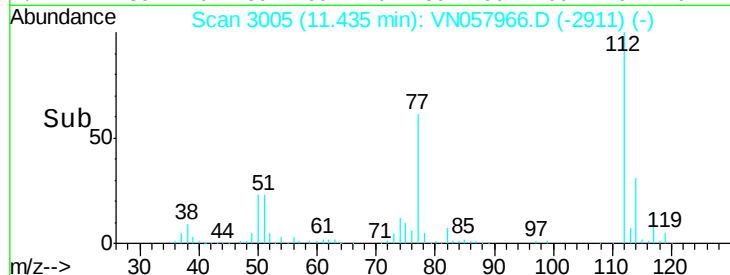
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.294 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

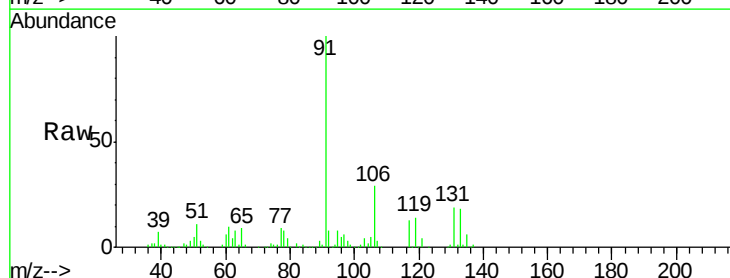
Tgt Ion:131 Resp: 82938

Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

119 68.1 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

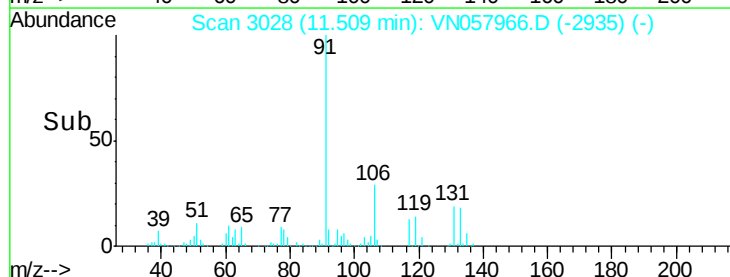
60000

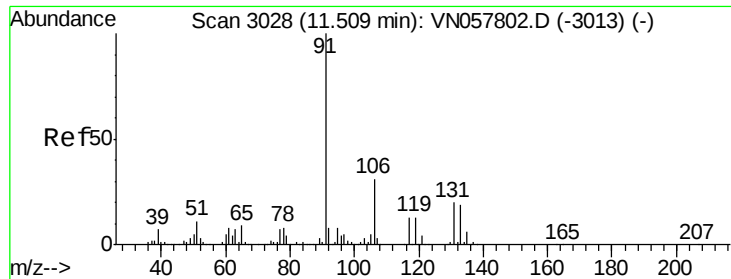
40000

20000

0

Time-->





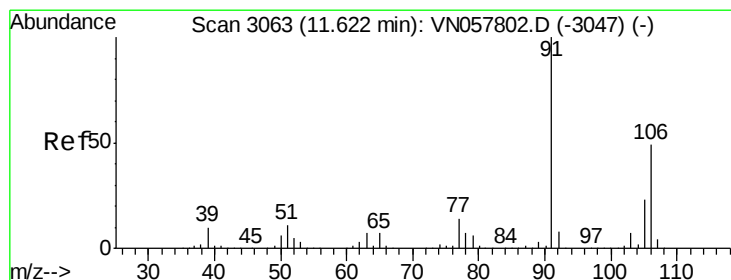
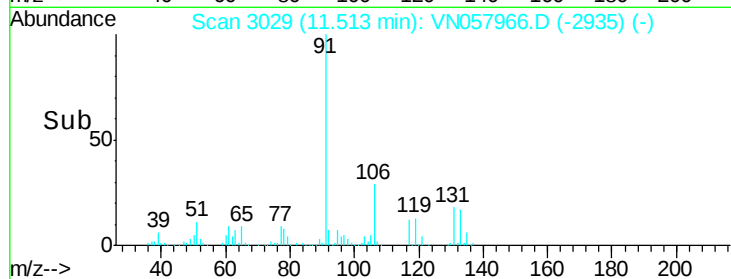
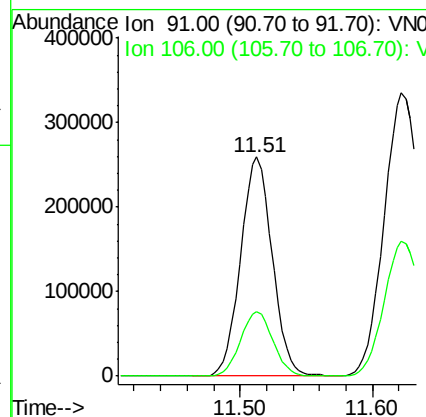
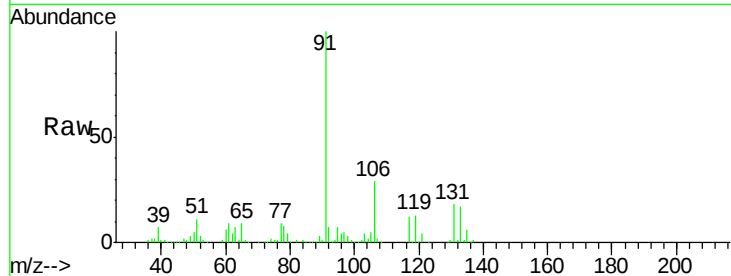
#67
Ethyl Benzene
Concen: 19.814 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

Tot Ion: 91 Resp: 430195
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6

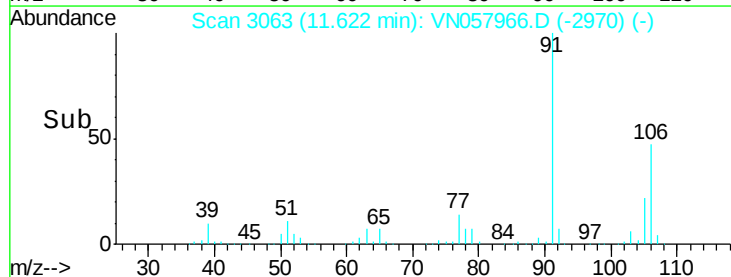
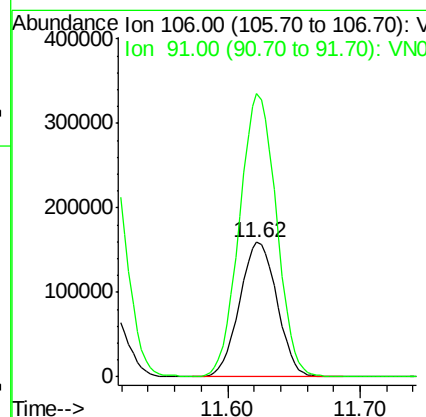
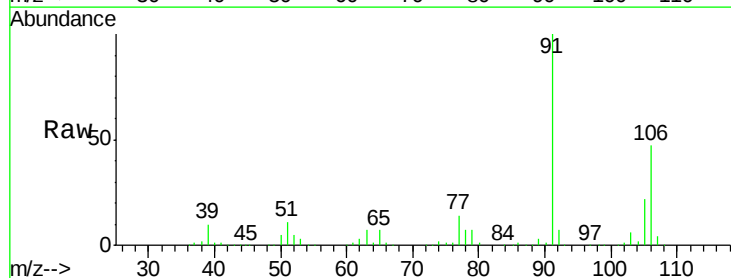
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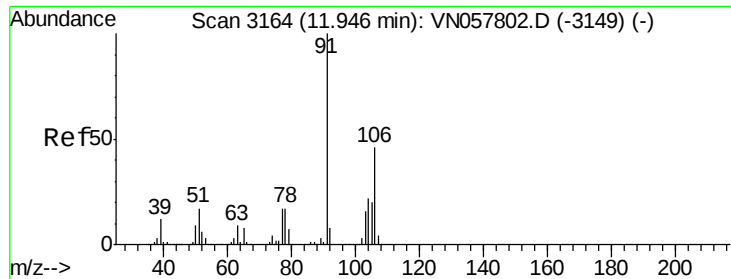
MMDadoda
9/13/2019 1:05:38 PM



#68
m/p-Xylenes
Concen: 39.218 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 106 Resp: 311898
Ion Ratio Lower Upper
106 100
91 207.8 165.8 248.6





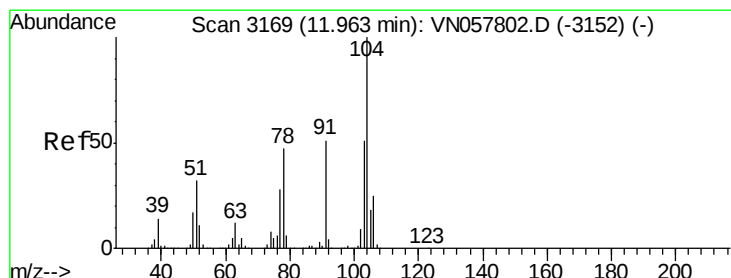
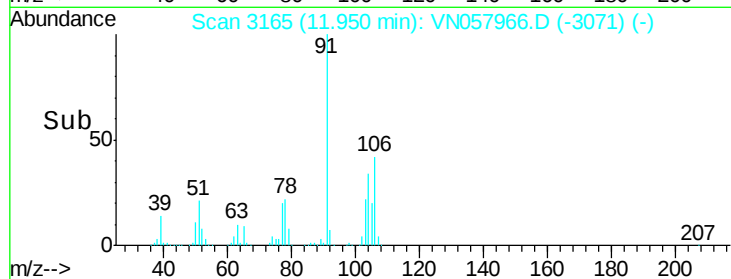
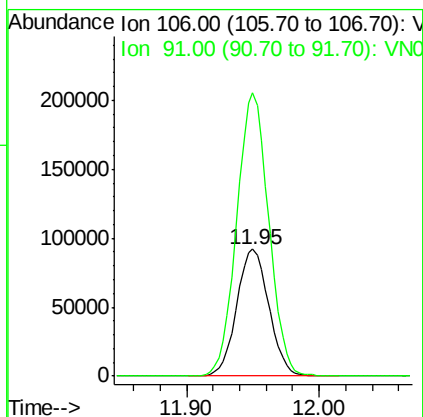
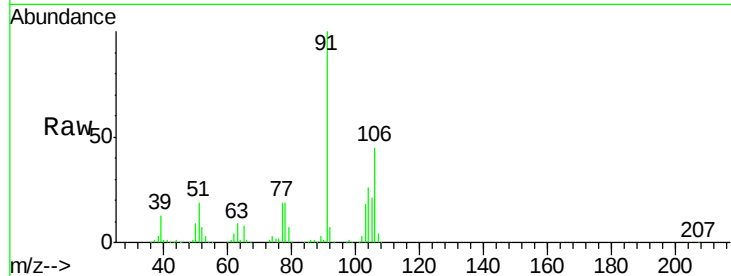
#69
o-Xylene
Concen: 19.680 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		155597		
91	221.3	108.7	326.1		

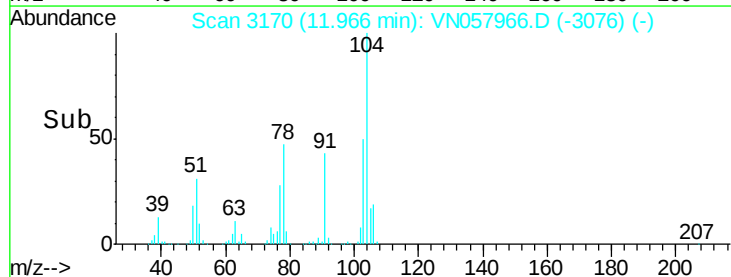
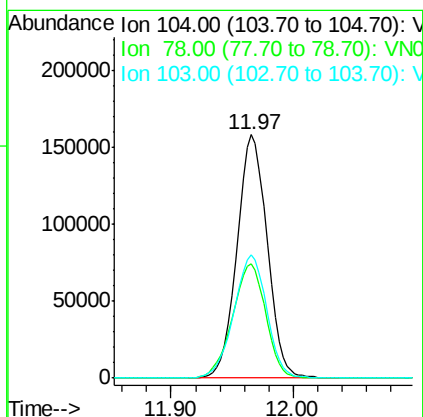
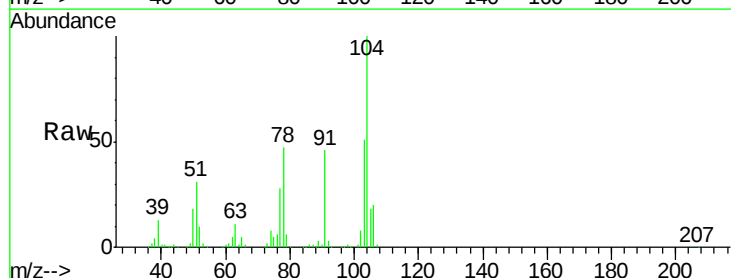
Manual Integrations
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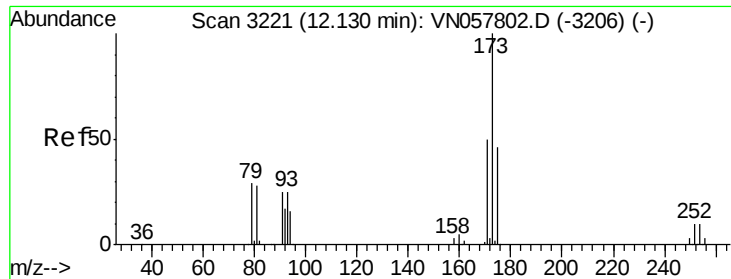
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9/13/2019 1:05:38 PM



#70
Styrene
Concen: 19.890 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		270642		
78	51.7	41.3	61.9		
103	55.2	43.7	65.5		





#71

Bromoform

Concen: 18.126 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

Tot Ion:173 Resp: 48580

Ion Ratio Lower Upper

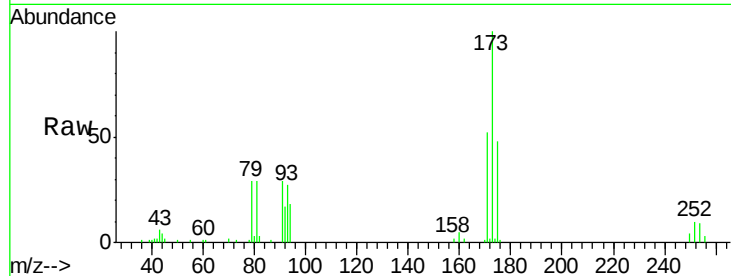
173 100

175 48.8 23.5 70.6

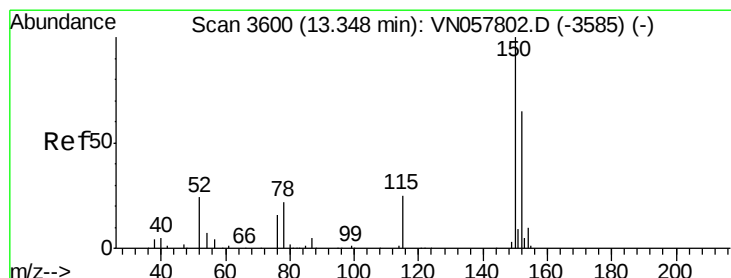
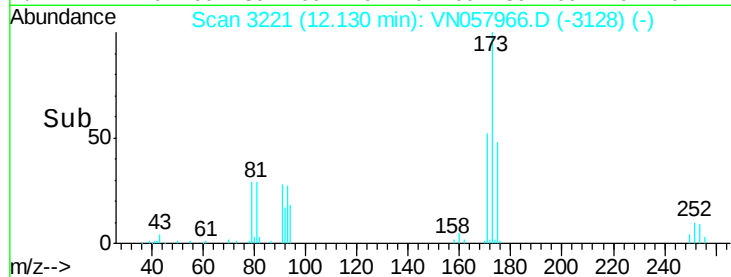
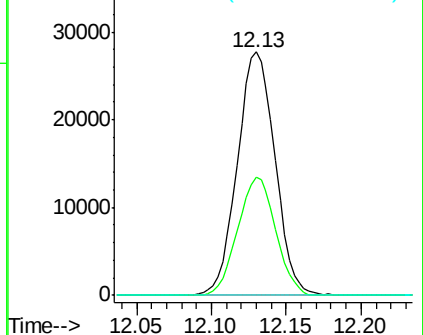
254 0.0 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

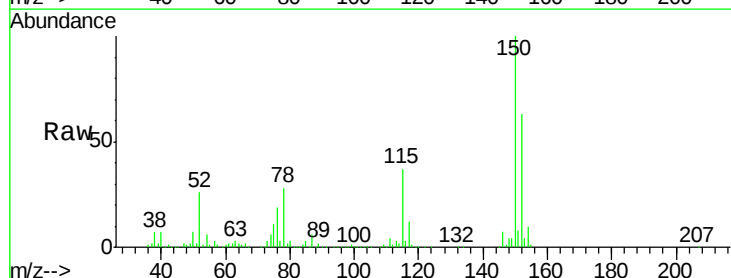
Tgt Ion:152 Resp: 271482

Ion Ratio Lower Upper

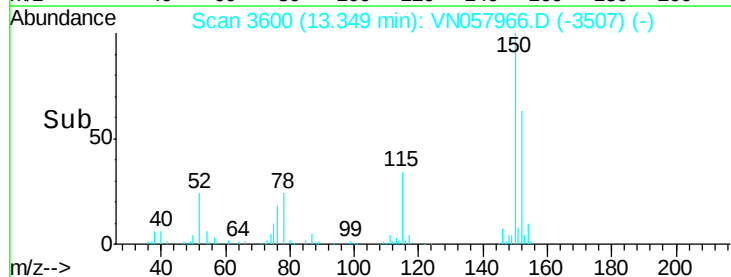
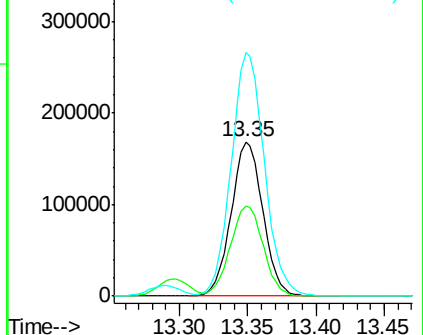
152 100

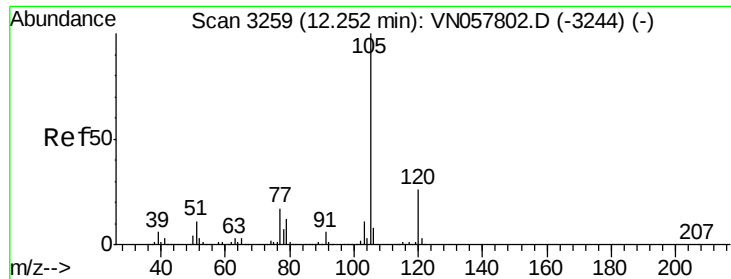
115 60.5 30.3 91.0

150 165.4 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





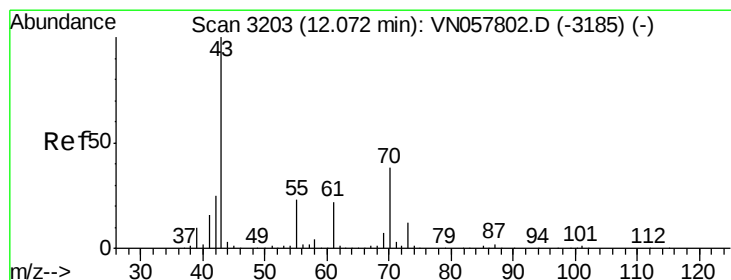
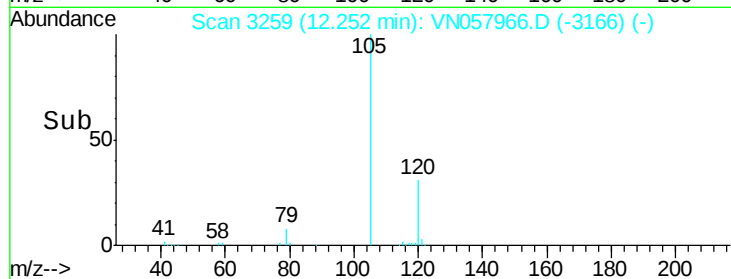
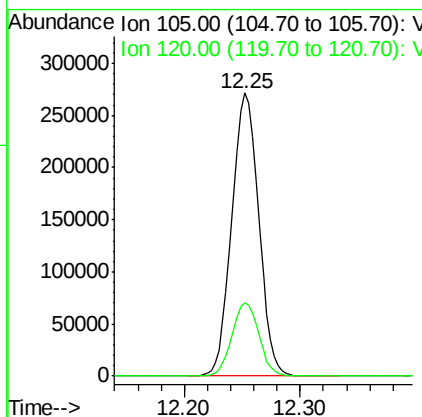
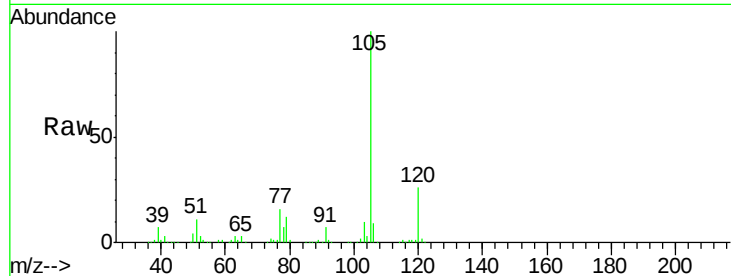
#73
Isopropylbenzene
Concen: 20.658 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

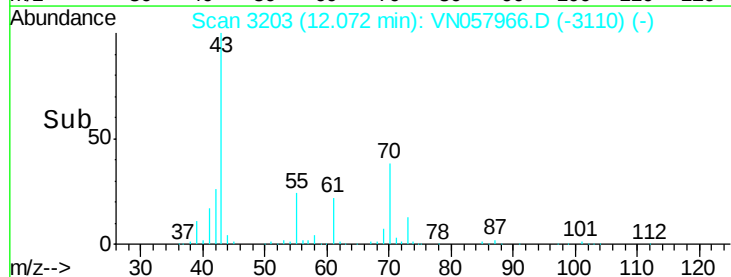
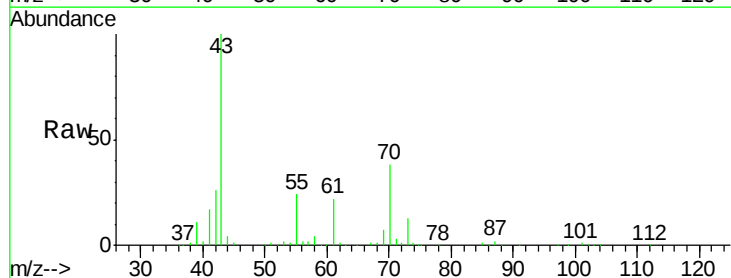
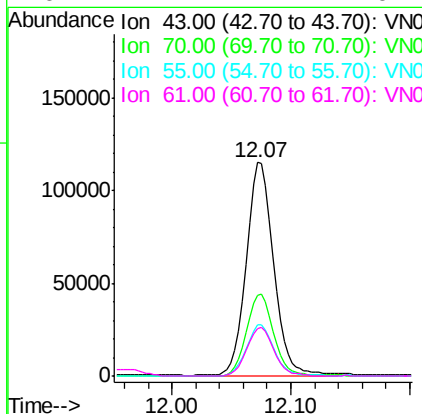
Manual Integrations
APPROVED

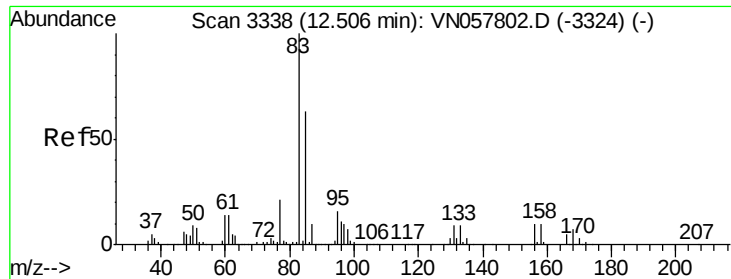
MMDadoda
9/13/2019 1:05:38 PM



#74
N-ethyl acetate
Concen: 20.027 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.6	45.8
55	24.1	18.6	27.8
61	22.7	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.287 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

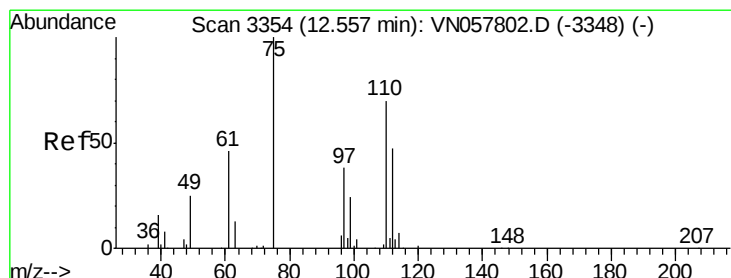
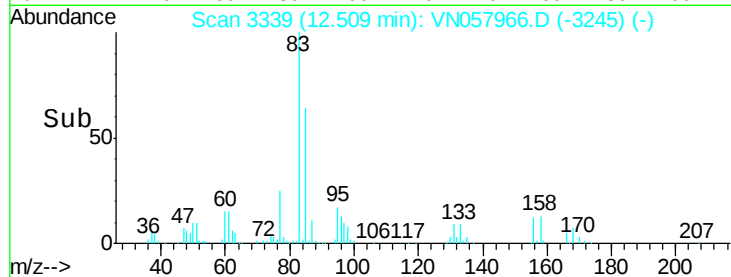
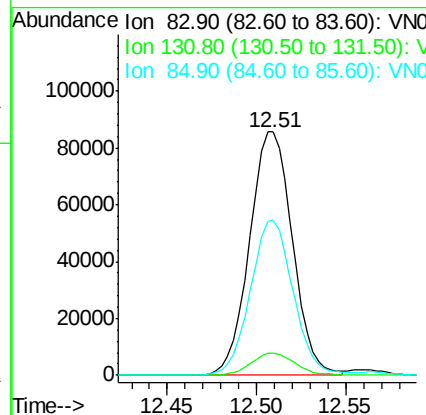
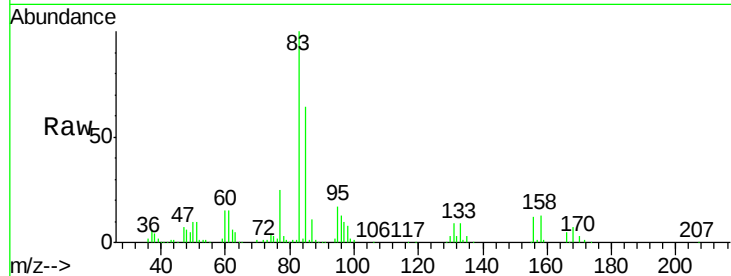
ClientSampleId :

VN0913WBSD01

Tot Ion:	83	Resp:	143896
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.8	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:05:38 PM



#76

1,2,3-Trichloropropane

Concen: 21.484 ug/l m

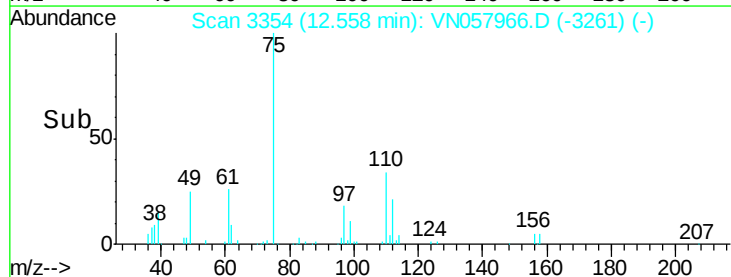
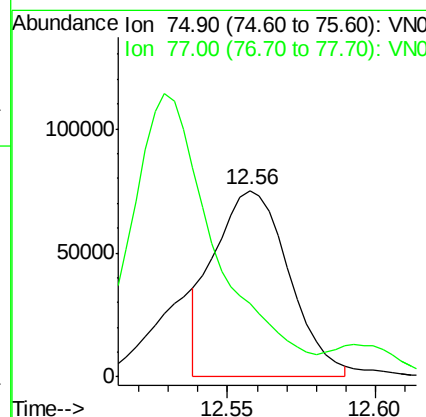
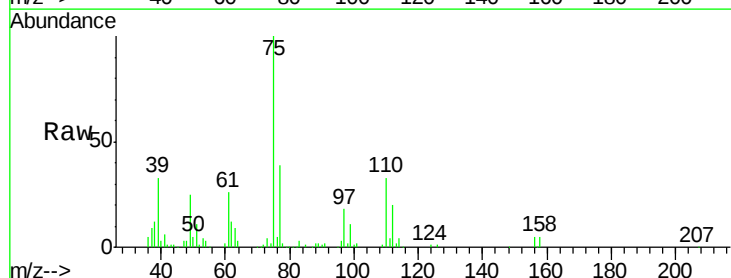
RT: 12.56 min Scan# 3354

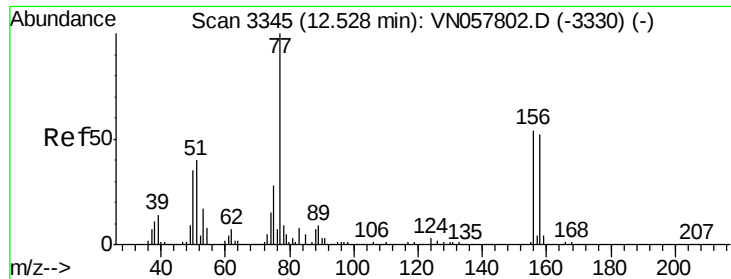
Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	75	Resp:	131941
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.421 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

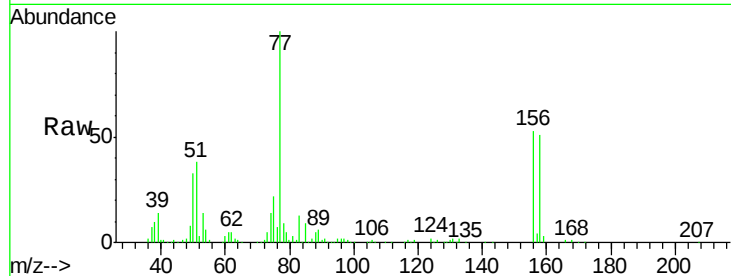
ClientSampleId :

VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.4	113.7	341.1
158	99.5	48.5	145.6

Manual Integrations
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9/13/2019 1:05:38 PM

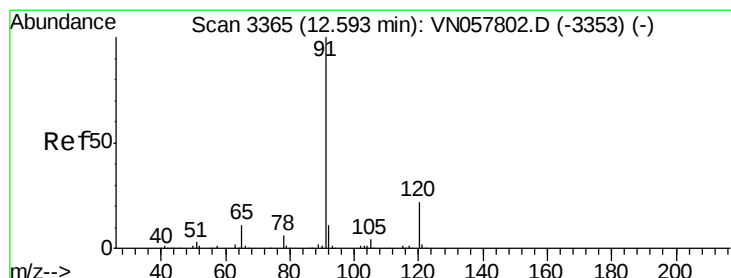
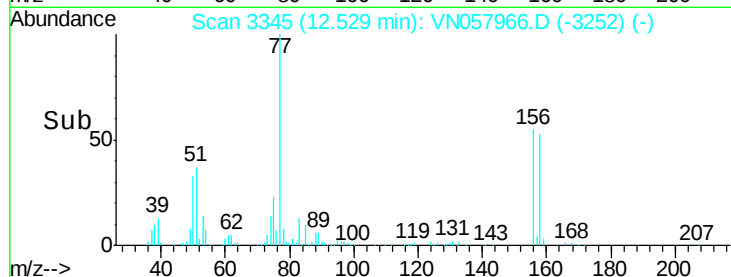
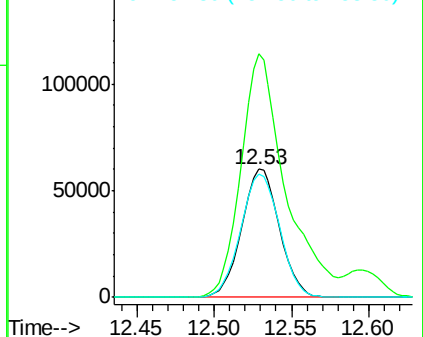


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.688 ug/l

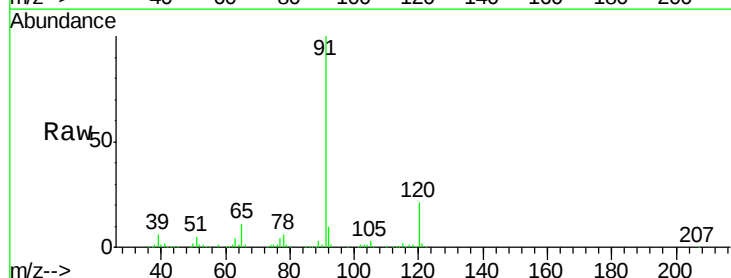
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

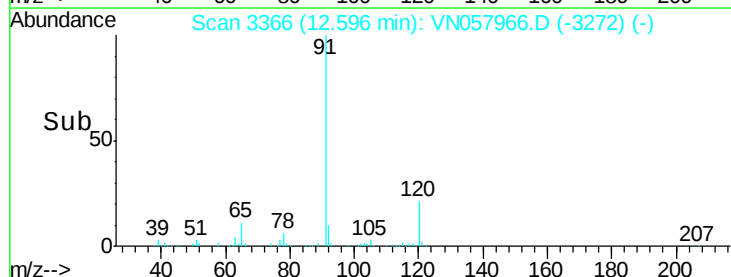
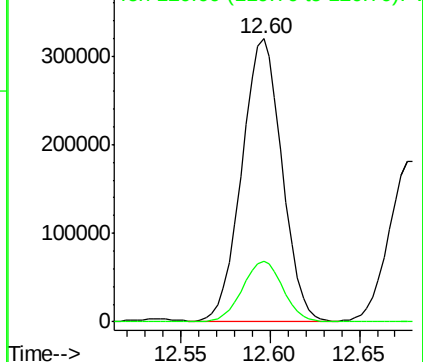
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1

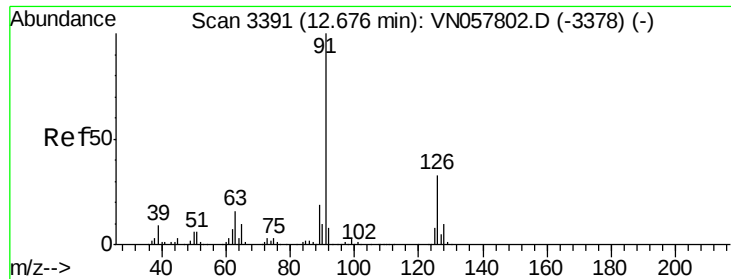


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.704 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 91 Resp: 301256

Ion Ratio Lower Upper

91 100

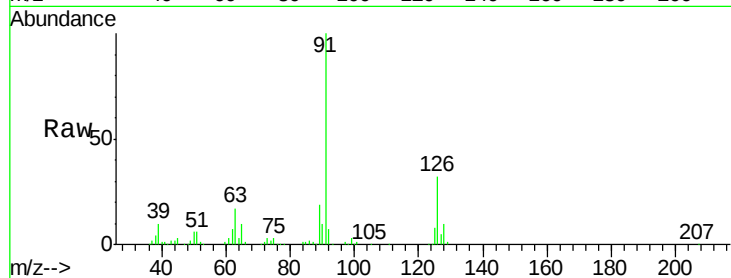
126 32.2 16.4 49.2

Manual Integrations

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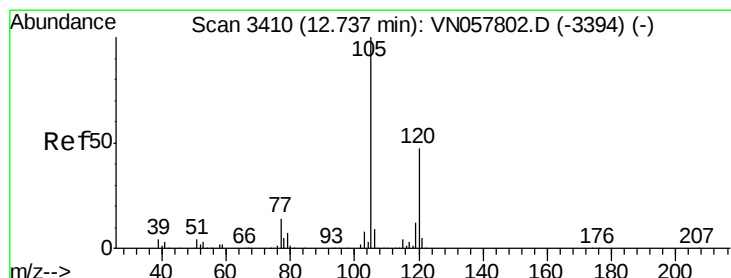
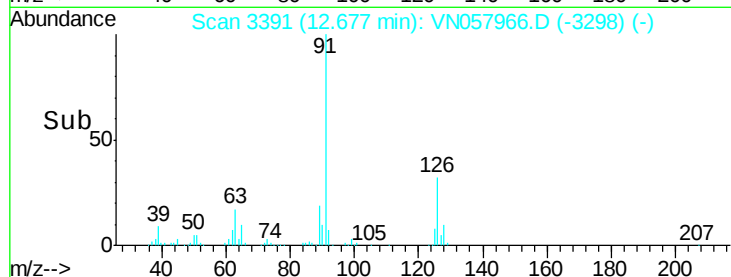
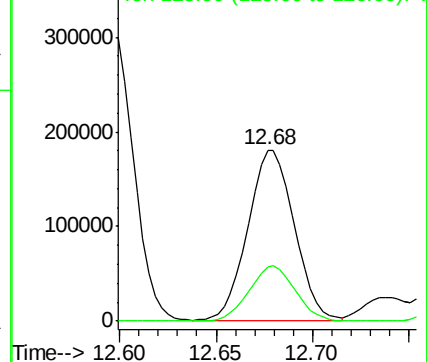
MMDadoda

9/13/2019 1:05:38 PM



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.409 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057966.D

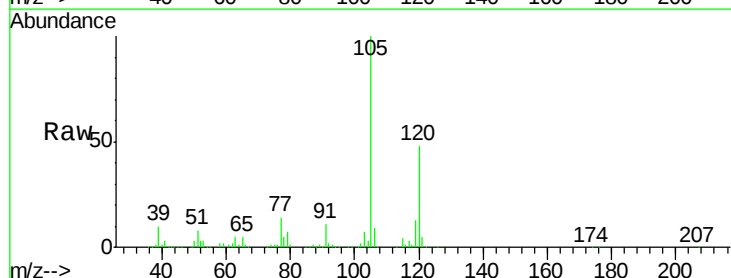
Acq: 12 Sep 2019 13:26

Tgt Ion: 105 Resp: 363267

Ion Ratio Lower Upper

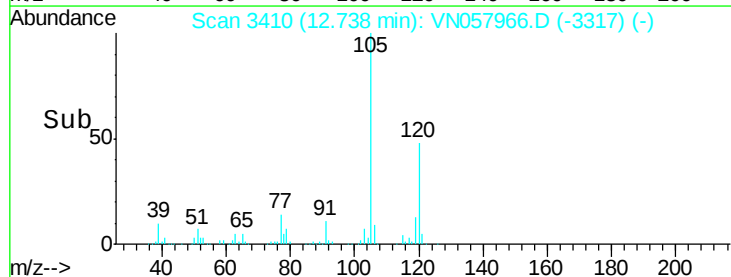
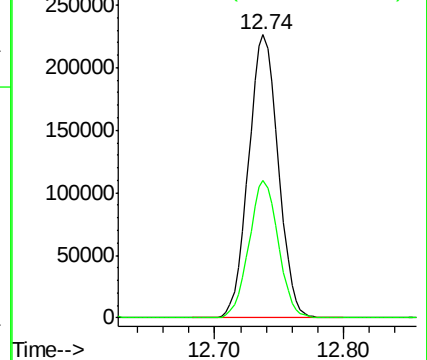
105 100

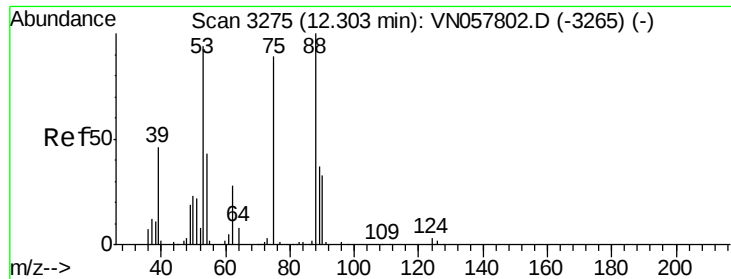
120 47.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)





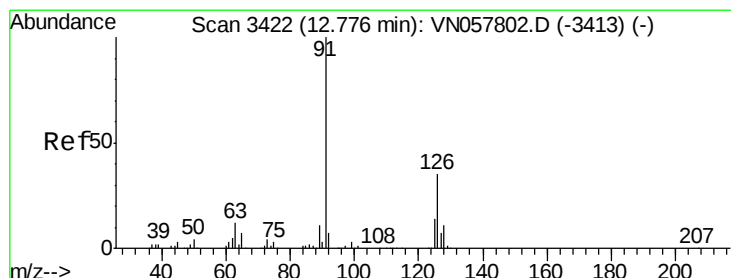
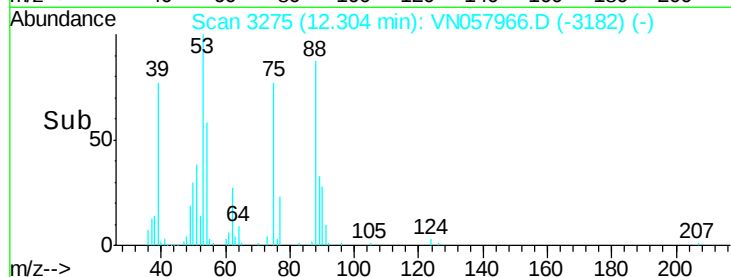
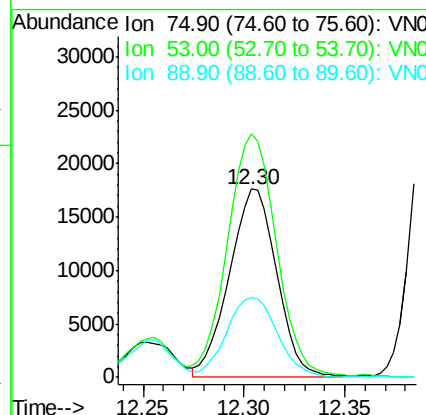
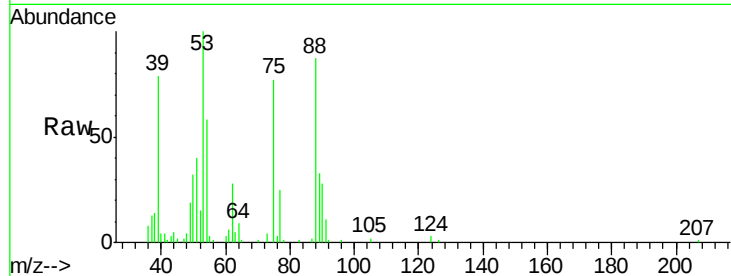
#81
trans-1,4-Dichloro-2-butene
Concen: 16.666 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	131.3	88.4	132.6
89	45.7	35.3	52.9

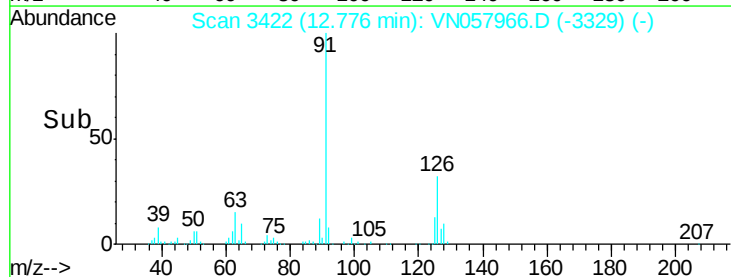
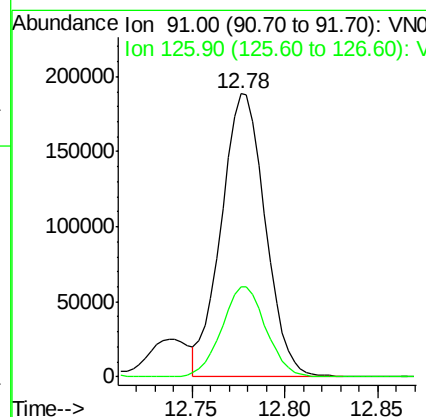
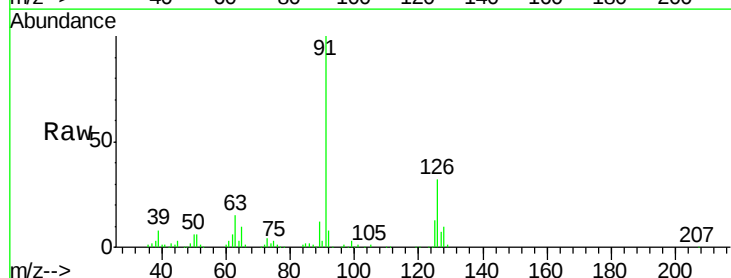
Manual Integrations
APPROVED

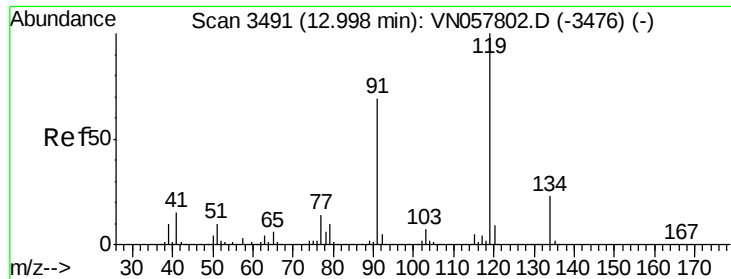
MMDadoda
9/13/2019 1:05:38 PM



#82
4-Chlorotoluene
Concen: 19.684 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	48.0





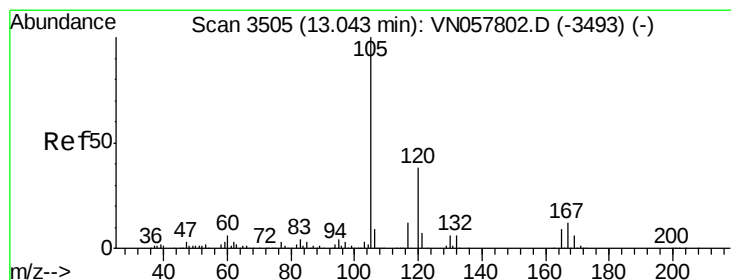
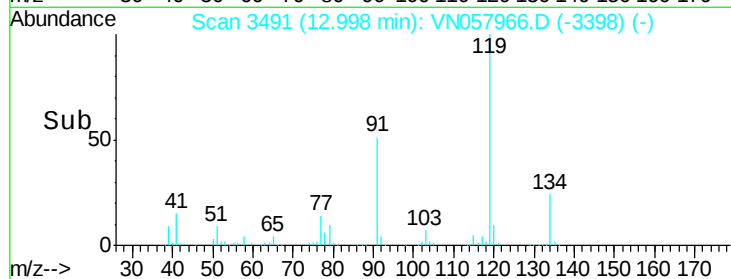
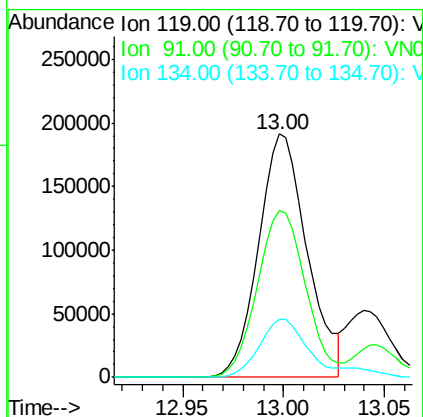
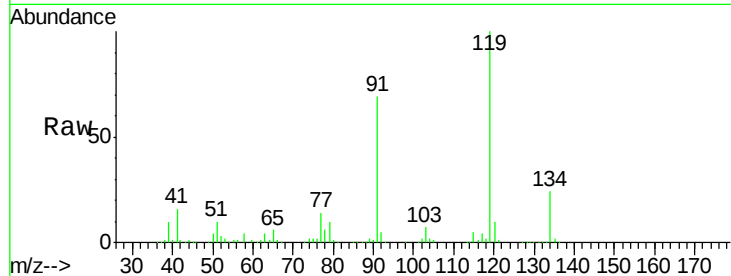
#83
tert-Butylbenzene
Concen: 20.306 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.6	100.8
134	23.3	11.7	35.0

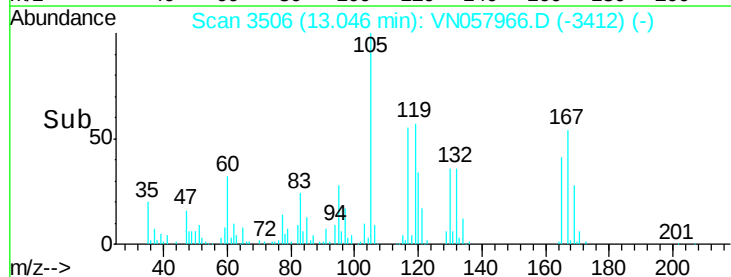
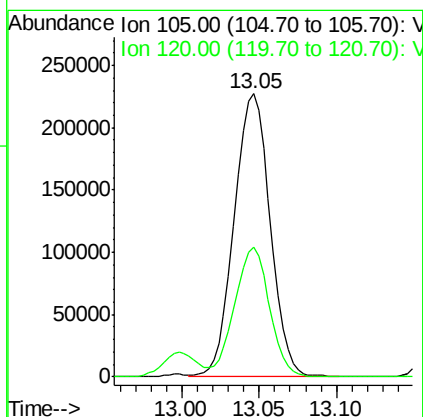
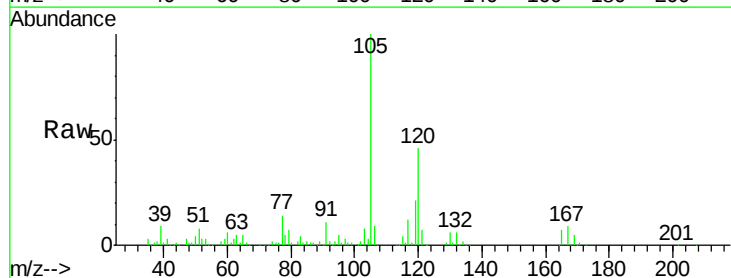
Manual Integrations
APPROVED

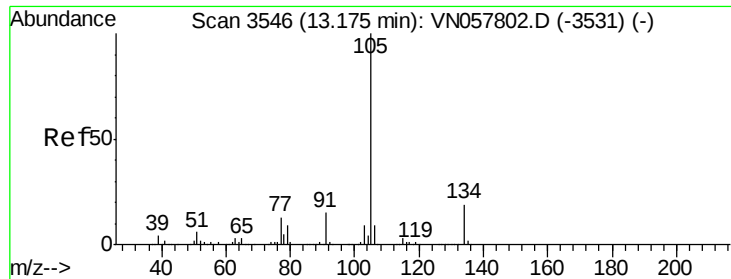
MMDadoda
9/13/2019 1:05:38 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.237 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.2





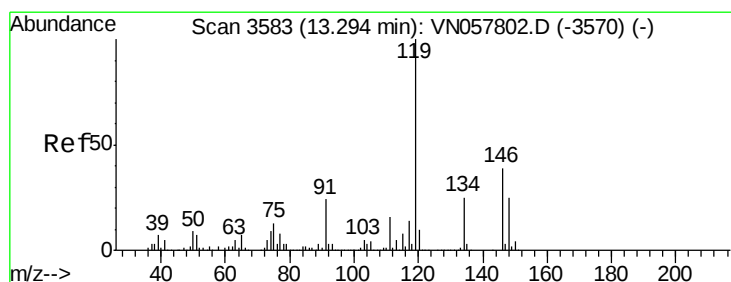
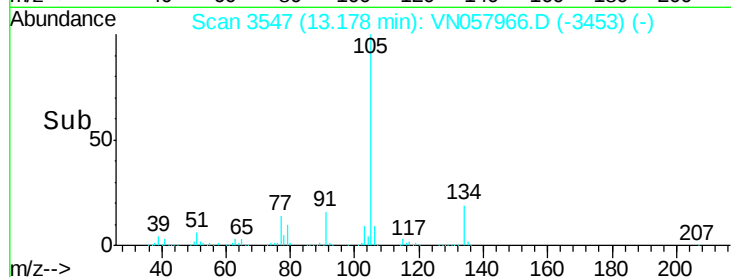
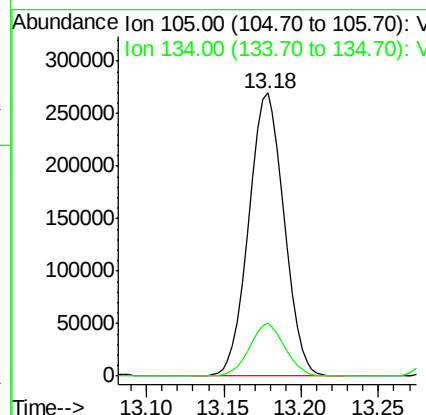
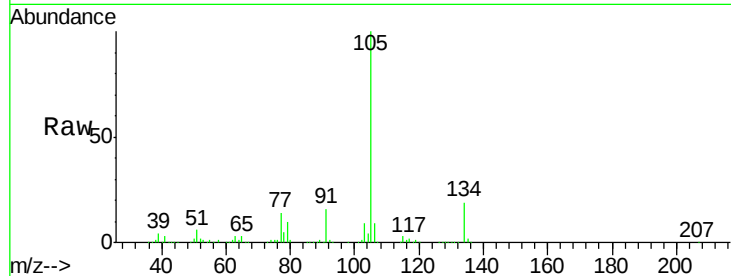
#85
 sec-Butylbenzene
 Concen: 20.514 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

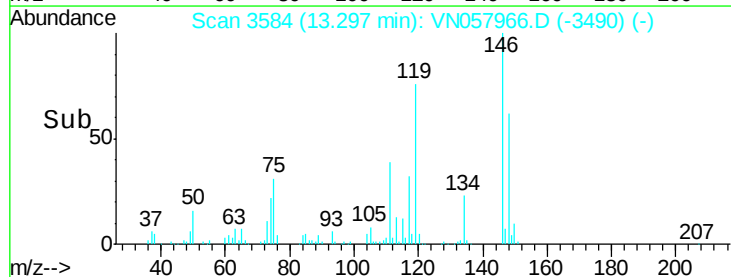
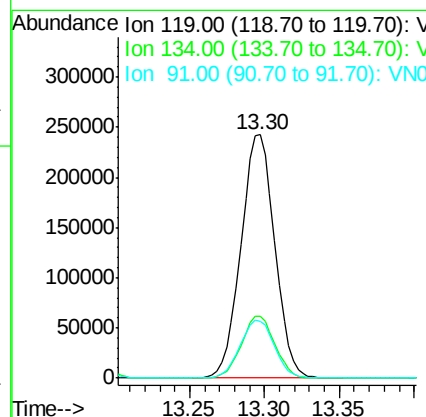
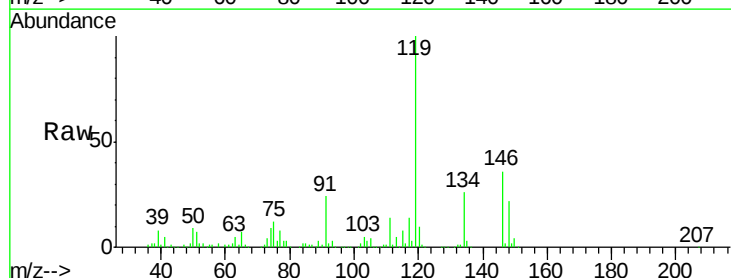
Manual Integrations
 APPROVED

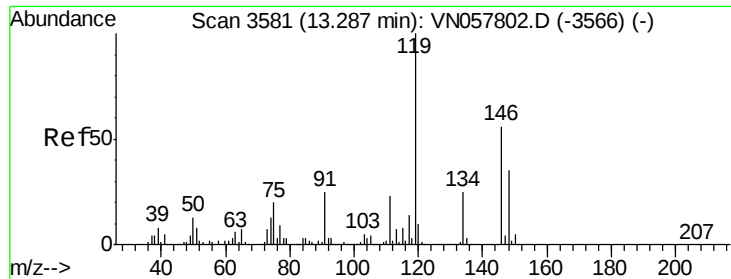
MMDadoda
 9/13/2019 1:05:38 PM



#86
 p-Isopropyltoluene
 Concen: 20.578 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	24.3	12.3	36.8





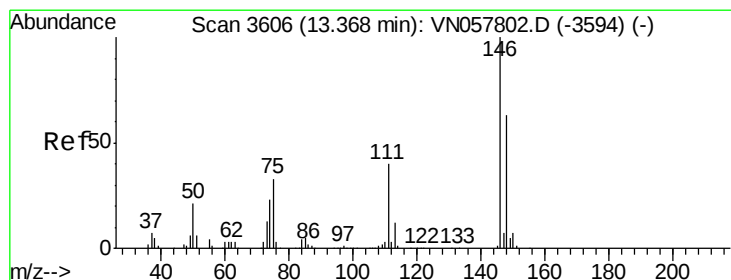
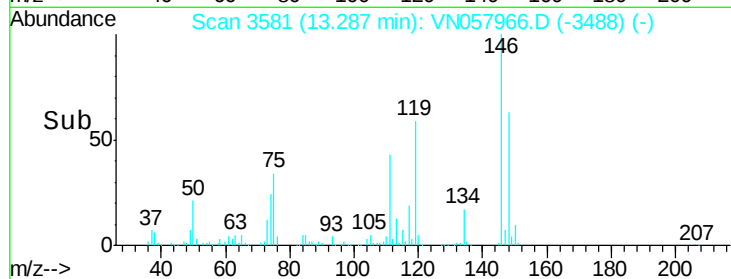
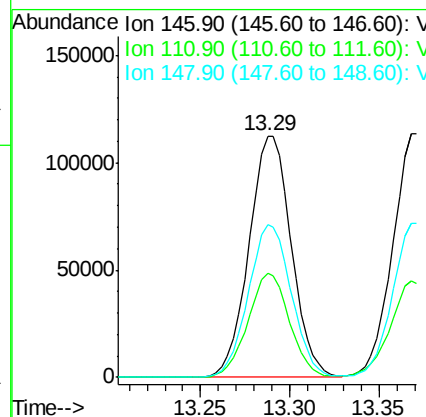
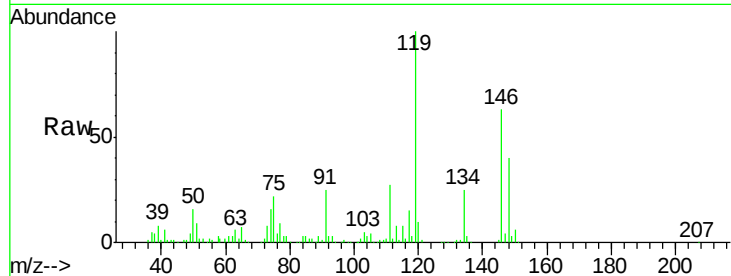
#87
 1,3-Dichlorobenzene
 Concen: 19.331 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186357		
111	42.3	20.5	61.6	
148	64.4	31.5	94.5	

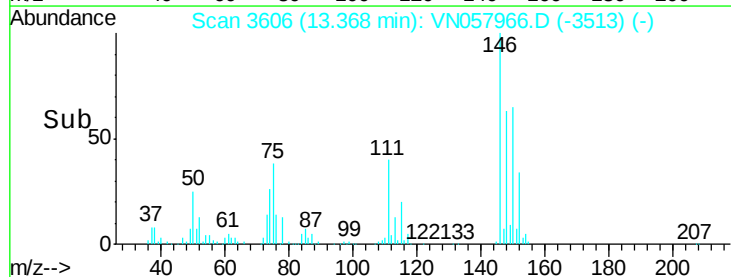
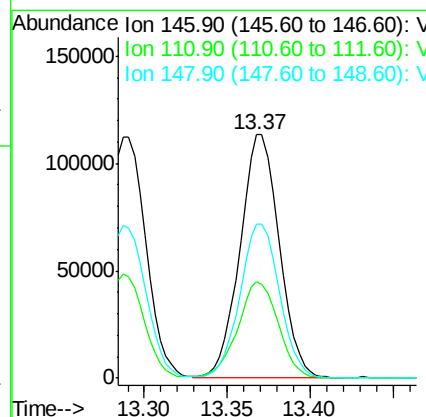
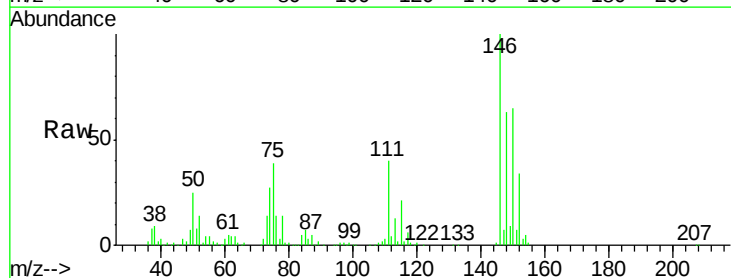
Manual Integrations
 APPROVED

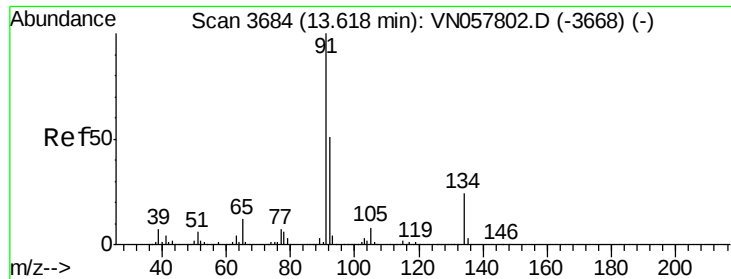
MMDadoda
 9/13/2019 1:05:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.021 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186132		
111	41.3	20.4	61.2	
148	64.5	31.8	95.4	





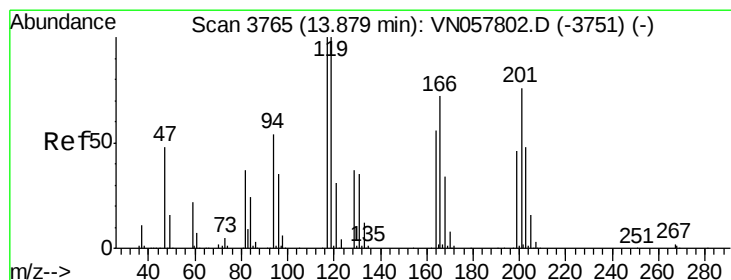
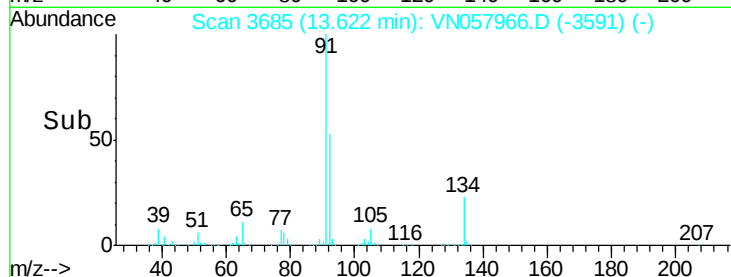
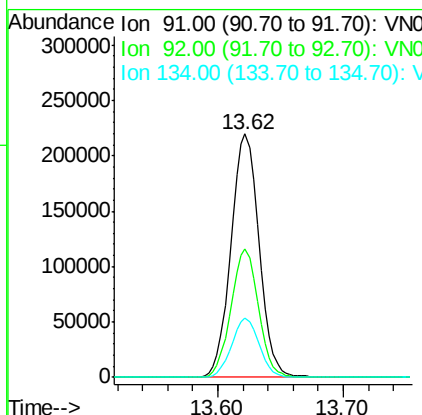
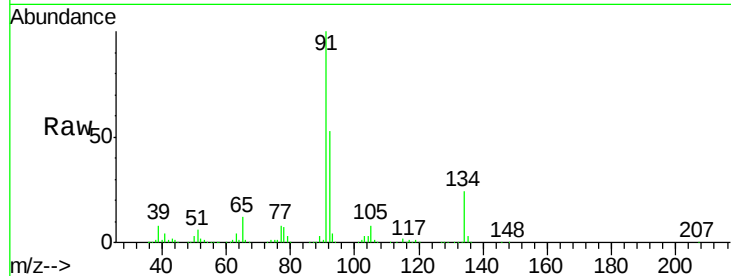
#89
n-Butylbenzene
Concen: 19.648 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.0
134	23.9	11.9	35.7

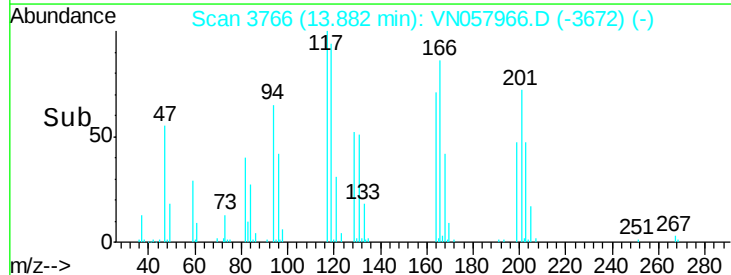
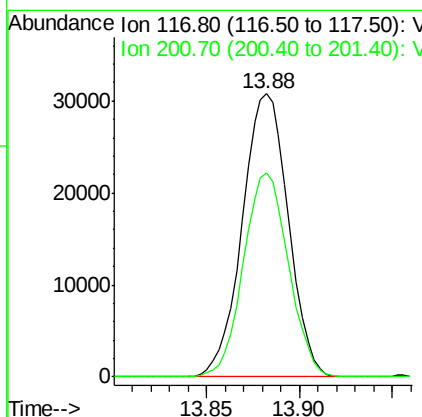
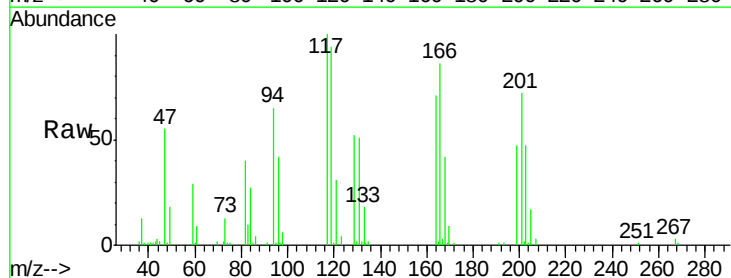
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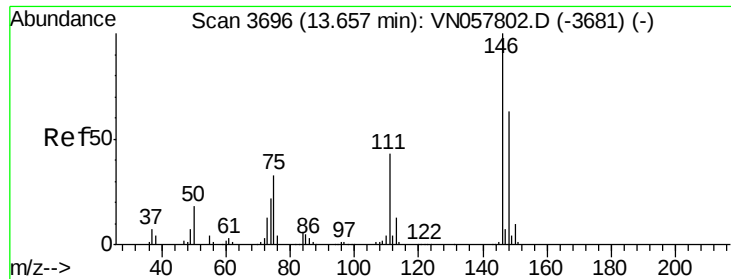
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#90
Hexachloroethane
Concen: 19.239 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	37.5	112.7





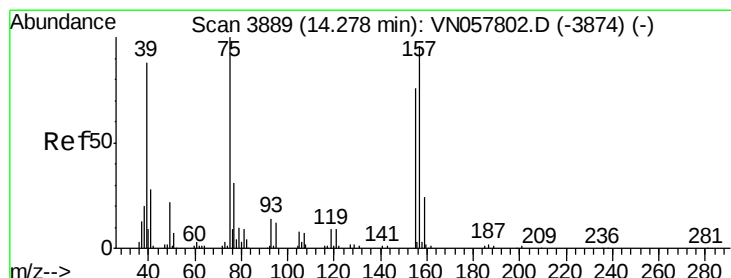
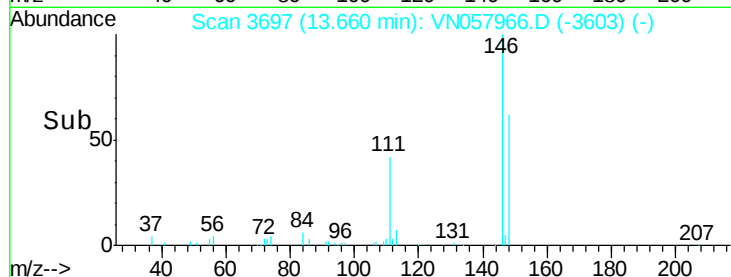
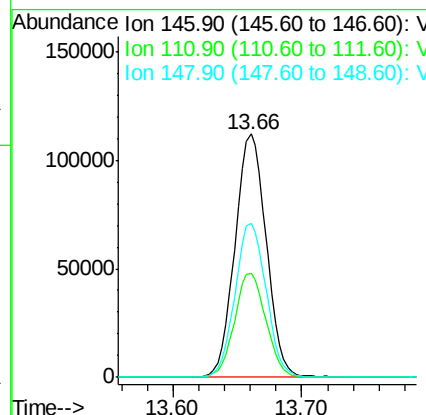
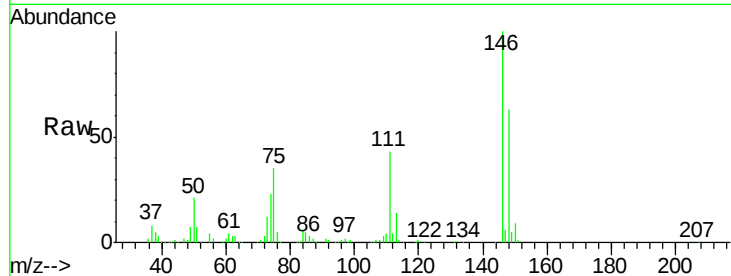
#91
 1,2-Dichlorobenzene
 Concen: 19.641 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189168		
111	42.9	21.3	63.9	
148	62.9	31.4	94.3	

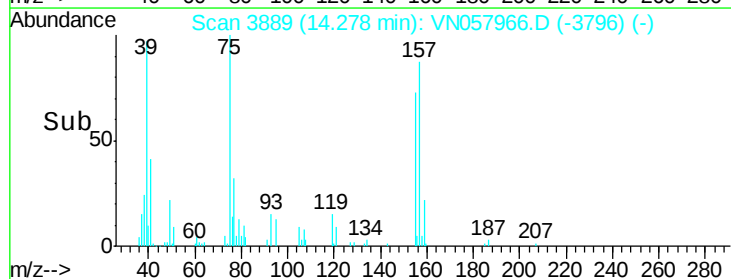
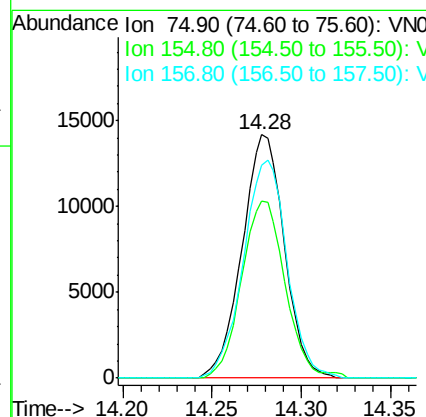
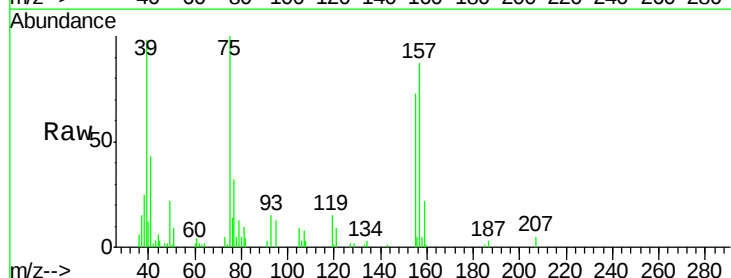
Manual Integrations
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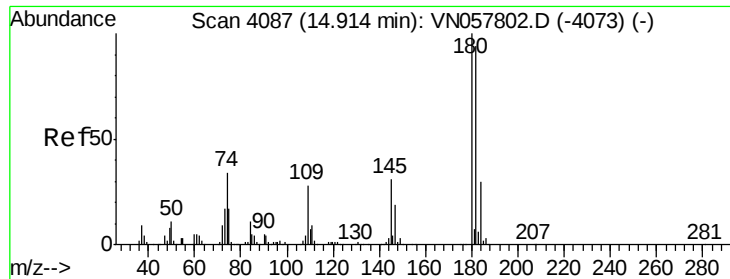
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.013 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23443		
155	74.8	37.3	111.8	
157	92.6	47.9	143.8	





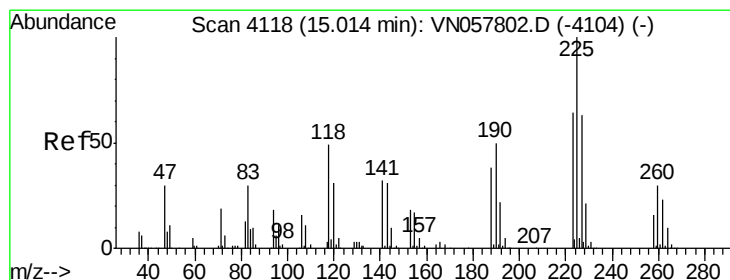
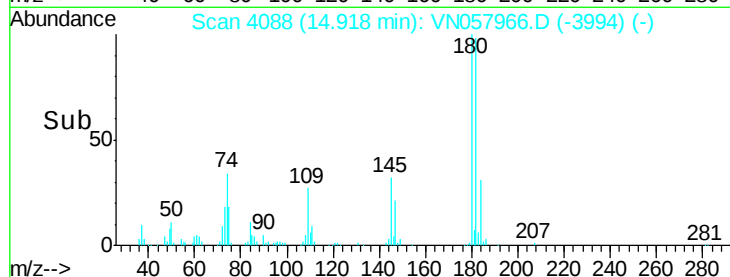
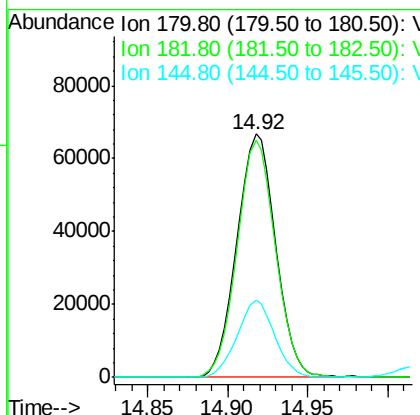
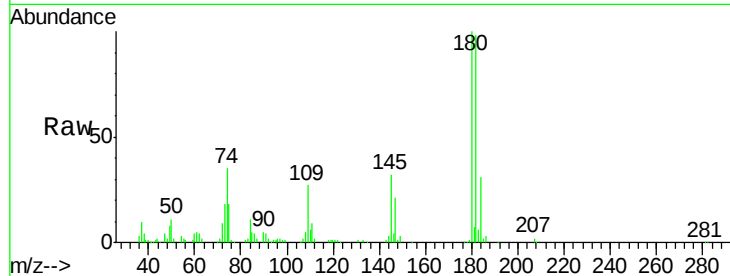
#93
 1,2,4-Trichlorobenzene
 Concen: 17.498 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110151		
182	96.3	46.9	140.8	
145	30.5	14.9	44.7	

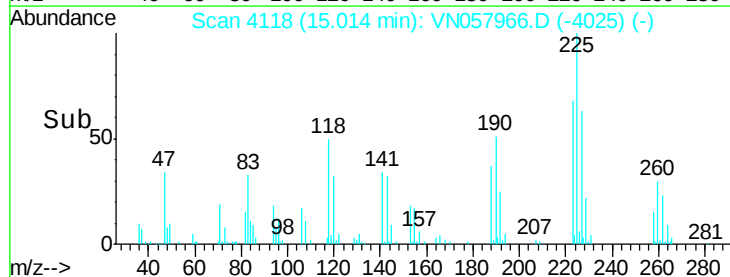
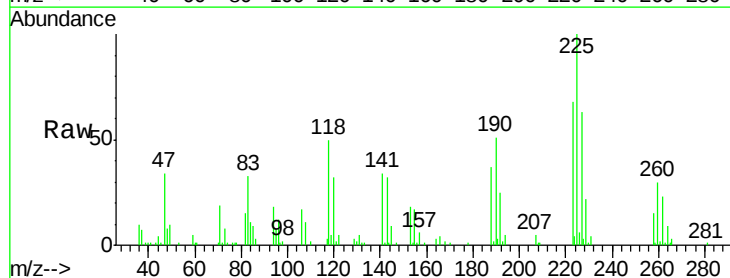
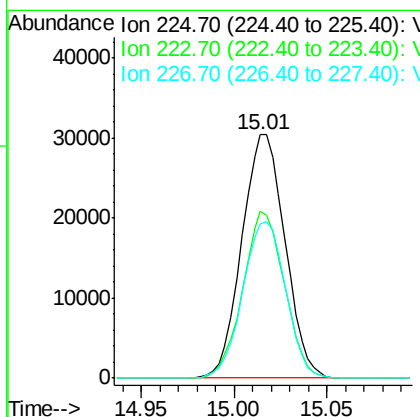
Manual Integrations
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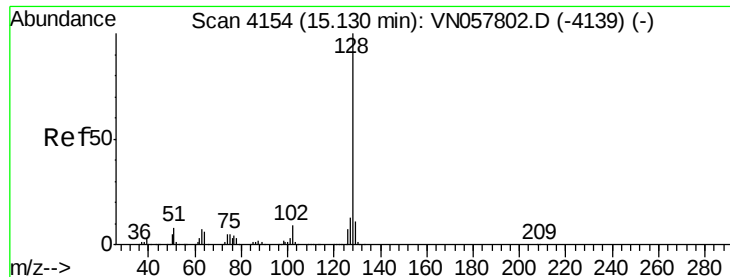
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#94
 Hexachlorobutadiene
 Concen: 18.467 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49280		
223	65.7	32.4	97.2	
227	63.7	31.8	95.4	





#95

Naphthalene

Concen: 19.082 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

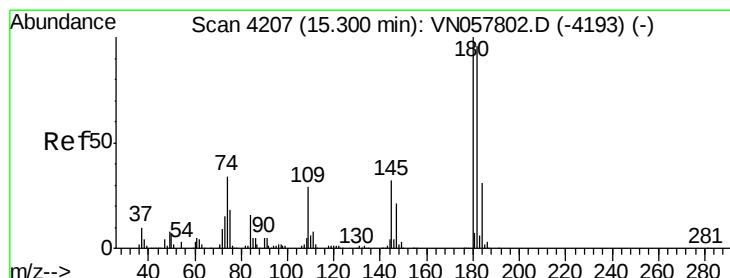
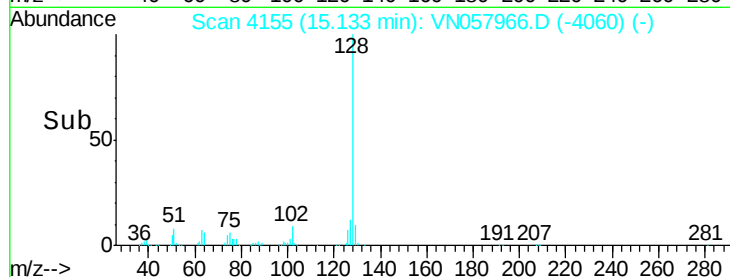
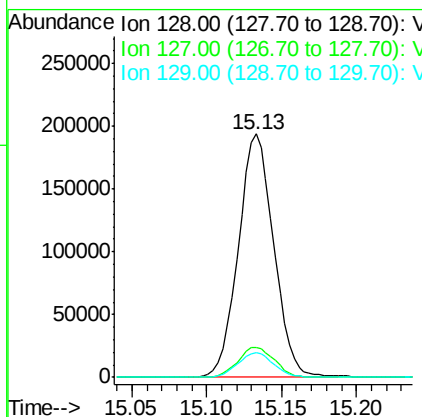
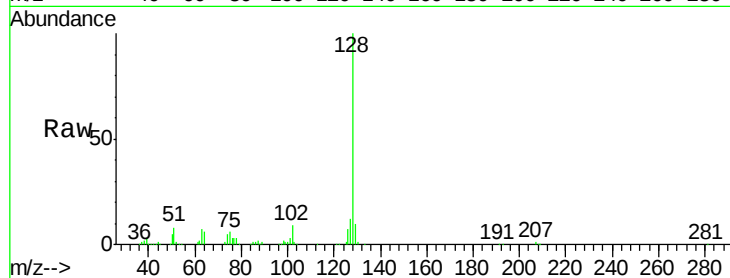
ClientSampleId :

VN0913WBSD01

Tot Ion:	128	Resp:	318703
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.3	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.820 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion:	180	Resp:	105545
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.3	144.8
145	33.0	16.3	48.8

