

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057818.D
 Acq On : 9 Sep 2019 22:03
 Operator : JC/SP
 Sample : VN0910WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:19 AM

Quant Time: Sep 10 07:50:08 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	308562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	508951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	319962	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.58	113	228265	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.09	98	932683	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	318266	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	87357	20.471	ug/l	99
3) Chloromethane	2.03	50	84823	19.503	ug/l	99
4) Vinyl Chloride	2.16	62	90410	19.641	ug/l	100
5) Bromomethane	2.54	94	55561	21.085	ug/l	93
6) Chloroethane	2.68	64	56897	19.398	ug/l	99
7) Trichlorofluoromethane	2.99	101	112321	19.390	ug/l	100
8) Diethyl Ether	3.39	74	46749	19.349	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	70893	19.400	ug/l	99
10) Methyl Iodide	3.93	142	76096	18.713	ug/l	99
11) Tert butyl alcohol	4.77	59	69306	91.625	ug/l	99
12) 1,1-Dichloroethene	3.71	96	60432	18.393	ug/l	97
13) Acrolein	3.59	56	60520	94.307	ug/l	96
14) Allyl chloride	4.30	41	116058	18.049	ug/l	99
15) Acrylonitrile	4.96	53	203495	97.878	ug/l	99
16) Acetone	3.80	43	166874	81.451	ug/l	97
17) Carbon Disulfide	4.03	76	91915	18.076	ug/l	97
18) Methyl Acetate	4.31	43	110591	20.245	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	278315	20.354	ug/l	98
20) Methylene Chloride	4.53	84	84385	20.920	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	67473	18.997	ug/l	98
22) Diisopropyl ether	5.93	45	300306	19.916	ug/l	96
23) Vinyl Acetate	5.88	43	1079492	101.015	ug/l	100
24) 1,1-Dichloroethane	5.82	63	163539	19.844	ug/l	100
25) 2-Butanone	6.82	43	275184	92.802	ug/l	99
26) 2,2-Dichloropropane	6.81	77	107808	16.530	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92057	19.340	ug/l	100
28) Bromochloromethane	7.18	49	82307	19.991	ug/l	96
29) Tetrahydrofuran	7.20	42	181133	99.131	ug/l	98
30) Chloroform	7.36	83	166983	19.379	ug/l	100
31) Cyclohexane	7.64	56	121130	20.238	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	129260	18.914	ug/l	99
36) 1,1-Dichloropropene	7.78	75	108580	18.396	ug/l	99
37) Ethyl Acetate	6.91	43	113121	18.549	ug/l	99
38) Carbon Tetrachloride	7.76	117	100520	18.653	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112366	18.109	ug/l	97
40) Benzene	8.03	78	340454	19.159	ug/l	99
41) Methacrylonitrile	7.16	41	60385	21.813	ug/l	88
42) 1,2-Dichloroethane	8.11	62	138420	19.477	ug/l	100
43) Isopropyl Acetate	8.15	43	192928	18.812	ug/l #	89
44) Trichloroethene	8.83	130	81801	18.768	ug/l	100
45) 1,2-Dichloropropane	9.11	63	98939	19.134	ug/l	100
46) Dibromomethane	9.20	93	61467	19.671	ug/l	98
47) Bromodichloromethane	9.40	83	119103	19.088	ug/l	98
48) Methyl methacrylate	9.19	41	94682	18.200	ug/l	96
49) 1,4-Dioxane	9.19	88	32233	366.390	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	615266	101.381	ug/l	100
52) Toluene	10.15	92	216786	19.369	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	116796	17.775	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	132287	18.235	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	93598	19.742	ug/l	99
56) Ethyl methacrylate	10.43	69	136140	19.069	ug/l	99
57) 1,3-Dichloropropane	10.71	76	160870	19.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	333258	99.107	ug/l	100
59) 2-Hexanone	10.75	43	435008	95.630	ug/l	100
60) Dibromochloromethane	10.90	129	81148	18.432	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85722	19.125	ug/l	98
64) Tetrachloroethene	10.63	164	68090	19.413	ug/l	96
65) Chlorobenzene	11.43	112	240476	19.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83267	19.303	ug/l	99
67) Ethyl Benzene	11.51	91	430525	19.760	ug/l	98
68) m/p-Xylenes	11.62	106	311820	39.072	ug/l	100
69) o-Xylene	11.95	106	155366	19.582	ug/l	98
70) Styrene	11.97	104	267647	19.602	ug/l	99
71) Bromoform	12.13	173	47151	17.532	ug/l #	98
73) Isopropylbenzene	12.25	105	431417	20.602	ug/l	100
74) N-amyl acetate	12.07	43	177575	19.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140434	19.918	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	114233m	18.713	ug/l	
77) Bromobenzene	12.53	156	100469	19.244	ug/l	95
78) n-propylbenzene	12.59	91	496253	20.638	ug/l	99
79) 2-Chlorotoluene	12.68	91	294742	19.394	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	360304	20.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27045	15.590	ug/l	84
82) 4-Chlorotoluene	12.78	91	304952	19.540	ug/l	99
83) tert-Butylbenzene	13.00	119	315767	20.077	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	363972	20.240	ug/l	98
85) sec-Butylbenzene	13.18	105	419847	20.141	ug/l	99
86) p-Isopropyltoluene	13.29	119	370222	20.157	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	181906	18.983	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	180817	18.589	ug/l	98
89) n-Butylbenzene	13.62	91	335285	19.330	ug/l	100
90) Hexachloroethane	13.88	117	50621	18.532	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	182252	19.037	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	20904	17.953	ug/l	93

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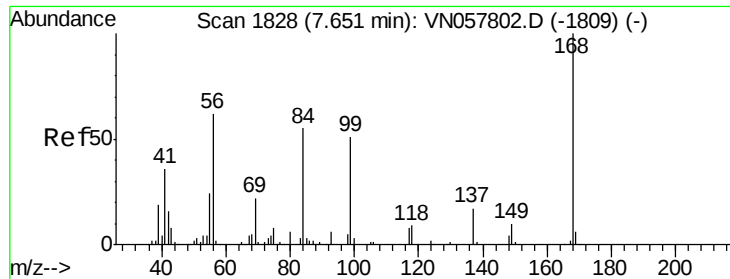
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107165	17.126	ug/l	99
94) Hexachlorobutadiene	15.01	225	48974	18.463	ug/l	97
95) Naphthalene	15.13	128	310128	18.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105872	19.992	ug/l	96

(#) = 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: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion:168 Resp: 308562

Ion Ratio Lower Upper

168 100

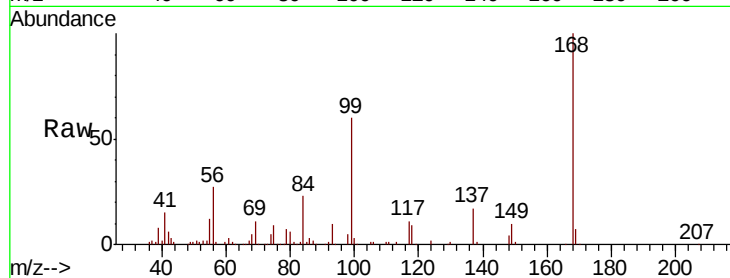
99 59.2 48.0 72.0

Manual Integrations

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9/13/2019 5:16:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

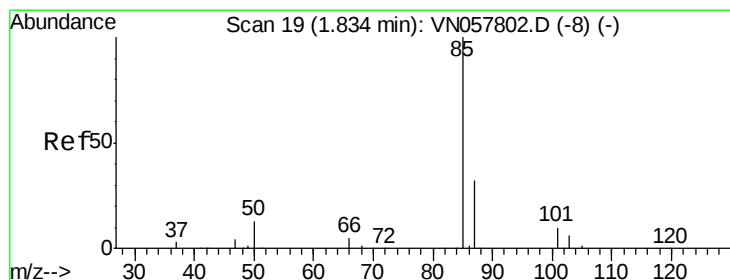
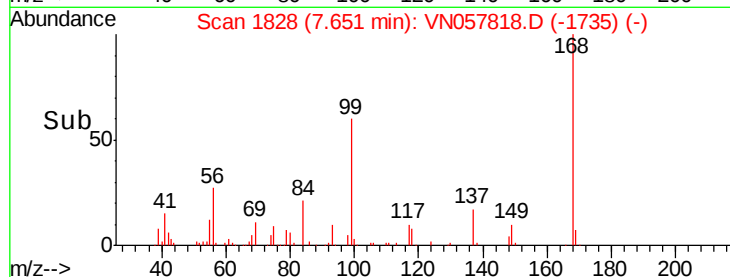
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.471 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057818.D

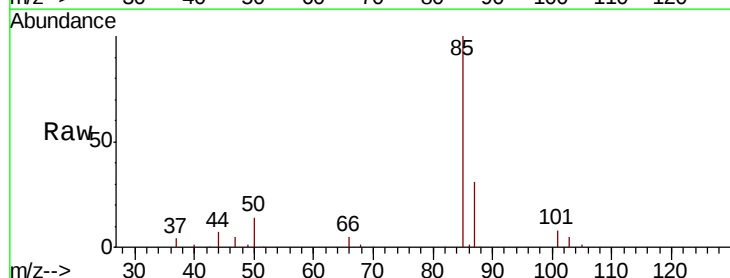
Acq: 9 Sep 2019 22:03

Tgt Ion: 85 Resp: 87357

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

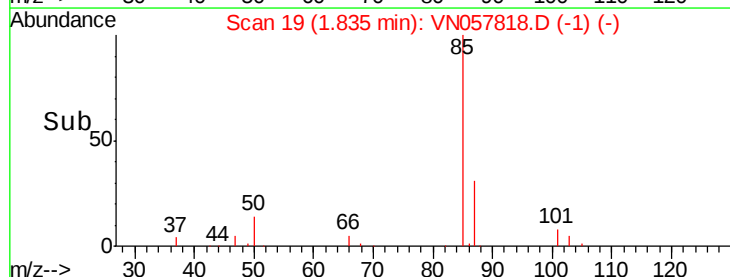
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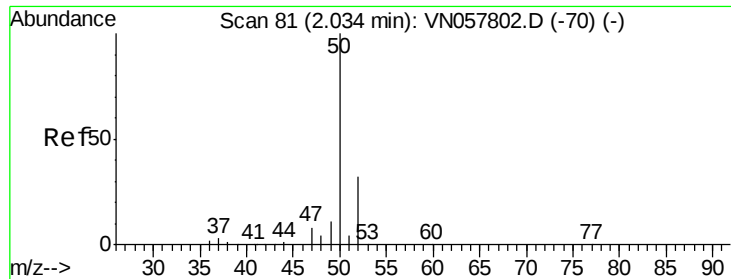
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.503 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 50 Resp: 84823

Ion Ratio Lower Upper

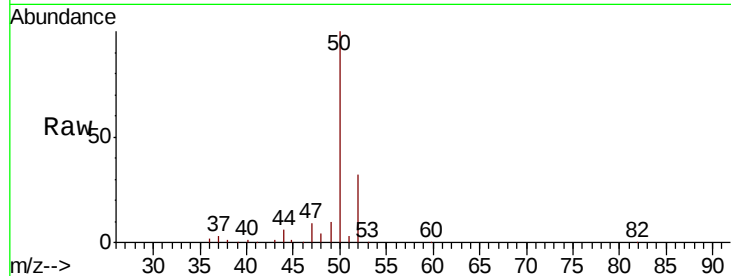
50 100

52 32.3 25.5 38.3

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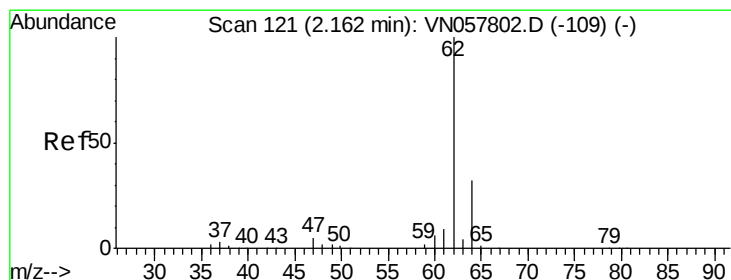
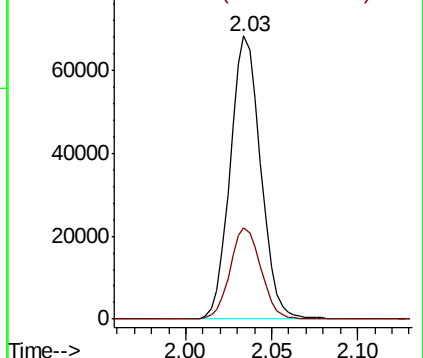
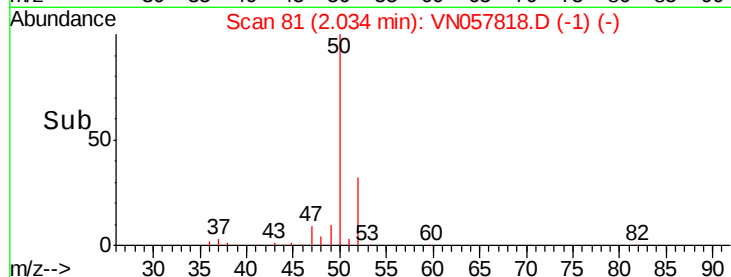
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Abundance Ion 49.90 (49.60 to 50.60): VN057818.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057818.D (-1) (-)



#4

Vinyl Chloride

Concen: 19.641 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057818.D

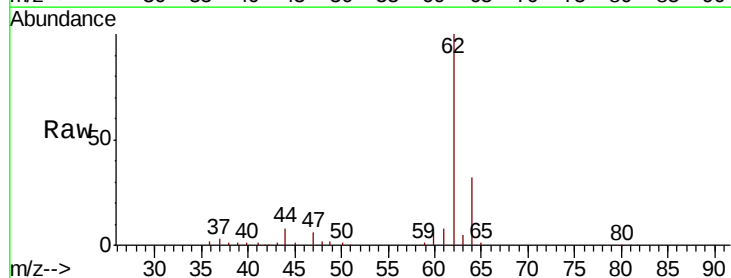
Acq: 9 Sep 2019 22:03

Tgt Ion: 62 Resp: 90410

Ion Ratio Lower Upper

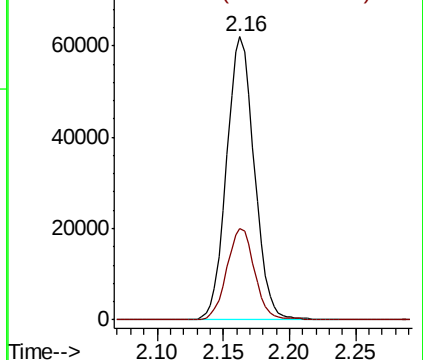
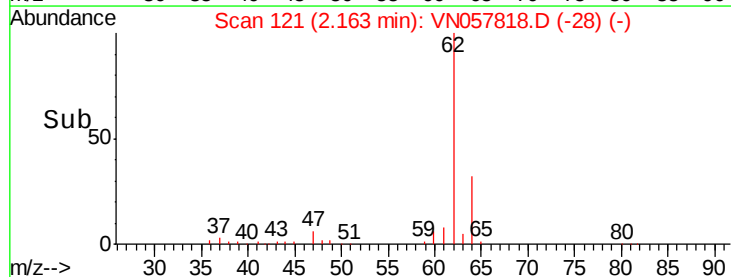
62 100

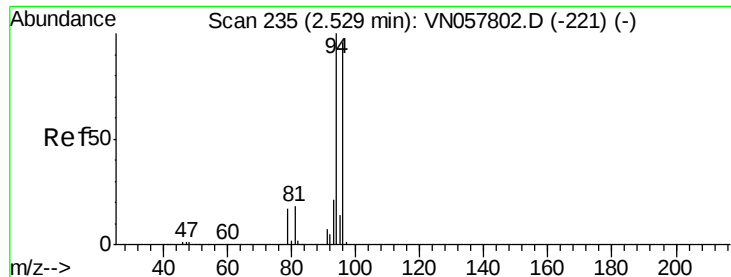
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057818.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN057818.D (-28) (-)





#5

Bromomethane

Concen: 21.085 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 94 Resp: 55561

Ion Ratio Lower Upper

94 100

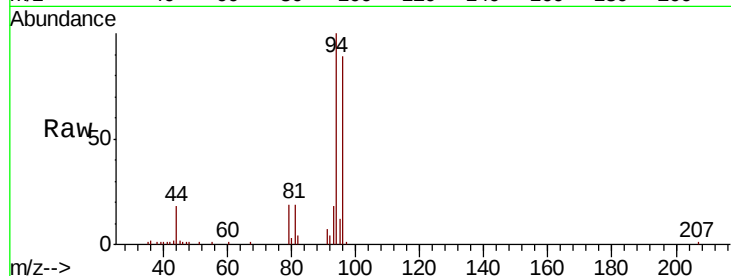
96 89.3 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

30000

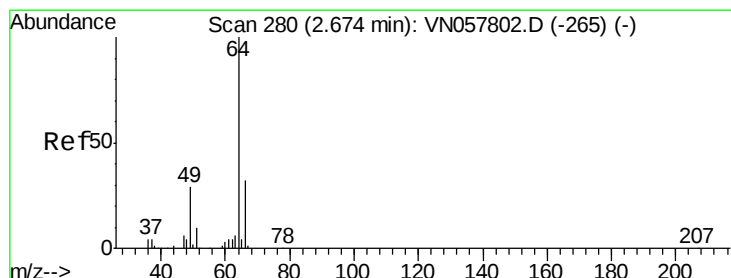
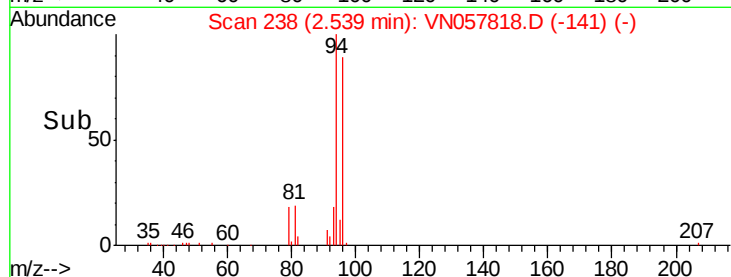
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10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.398 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057818.D

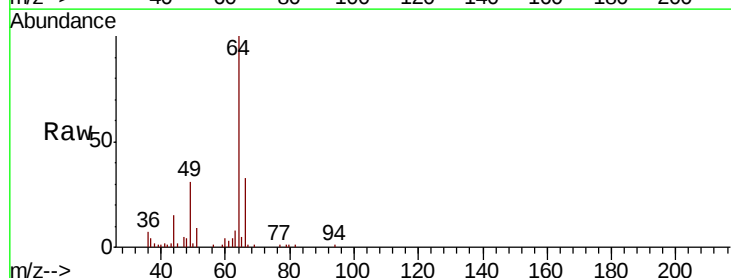
Acq: 9 Sep 2019 22:03

Tgt Ion: 64 Resp: 56897

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

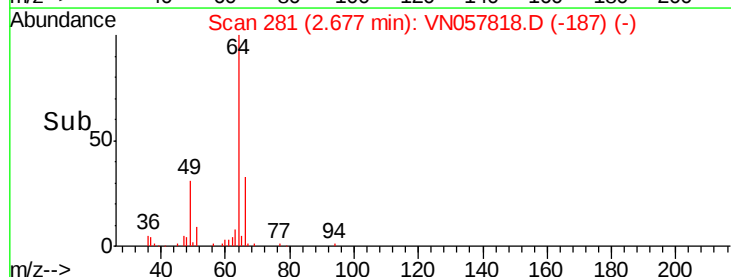
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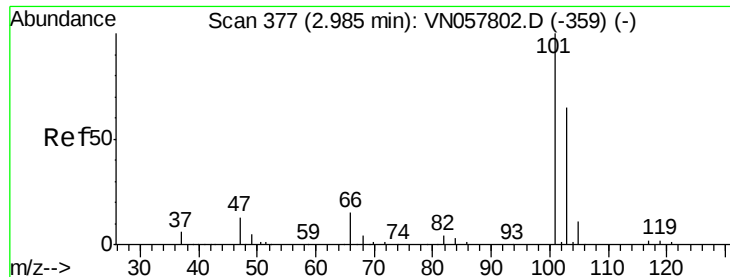
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Time-->

2.60 2.65 2.70 2.75





#7

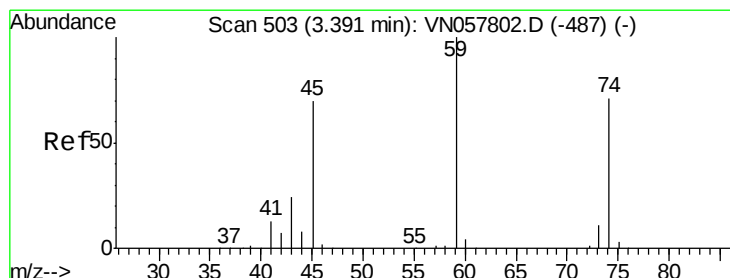
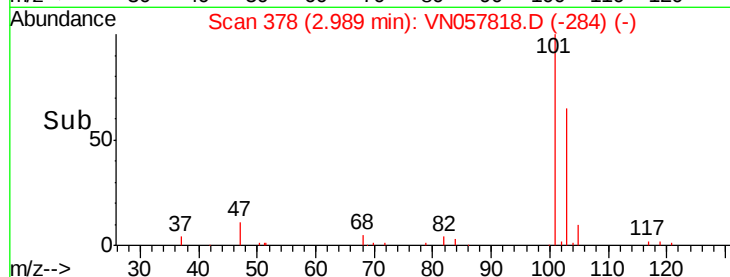
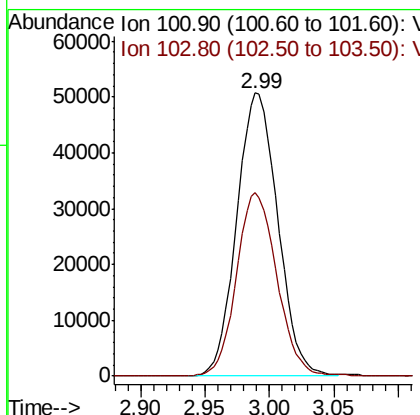
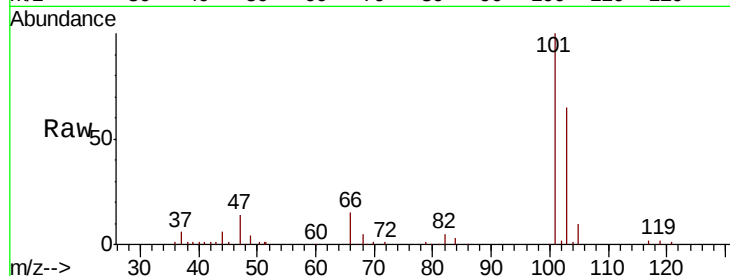
Trichlorofluoromethane
 Concen: 19.390 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
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 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.9	77.9

Manual Integrations
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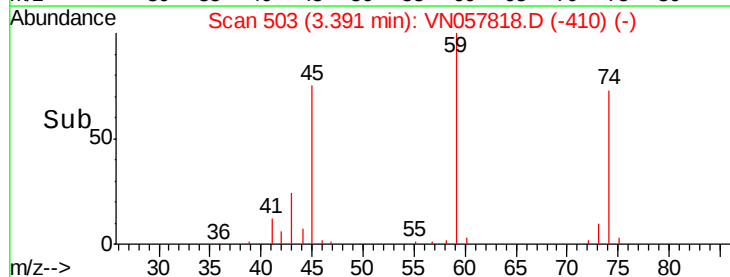
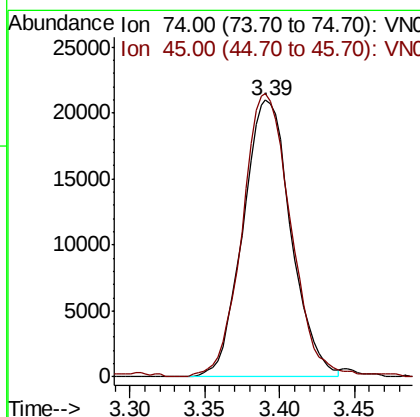
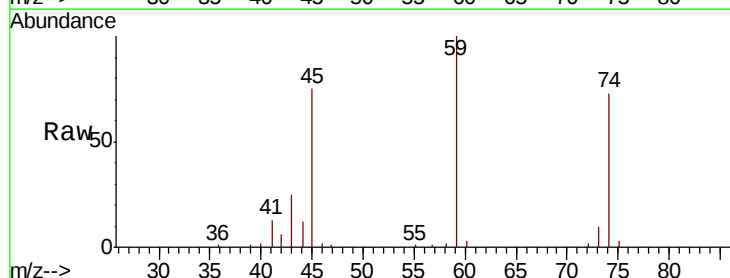
MMDadoda
 9/13/2019 5:16:19 AM

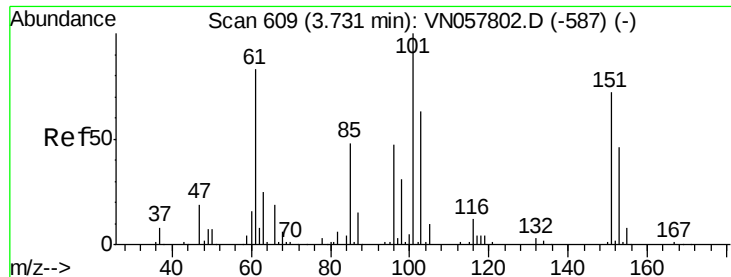


#8

Diethyl Ether
 Concen: 19.349 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.400 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

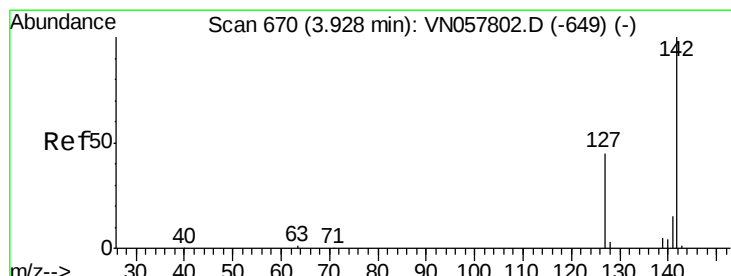
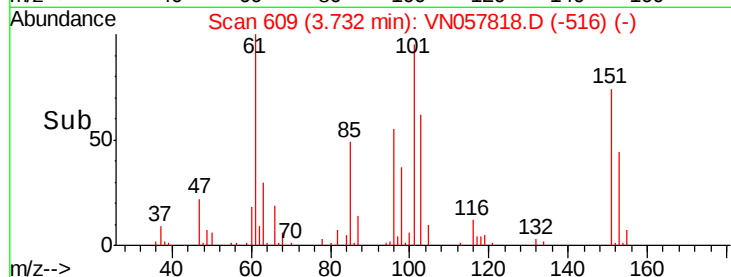
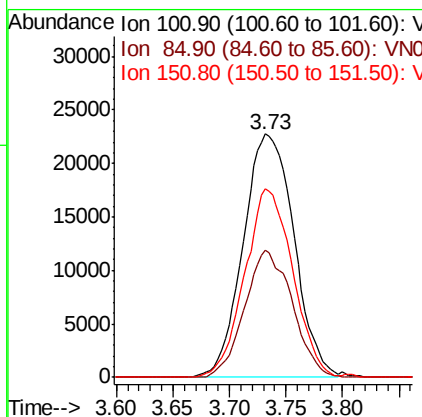
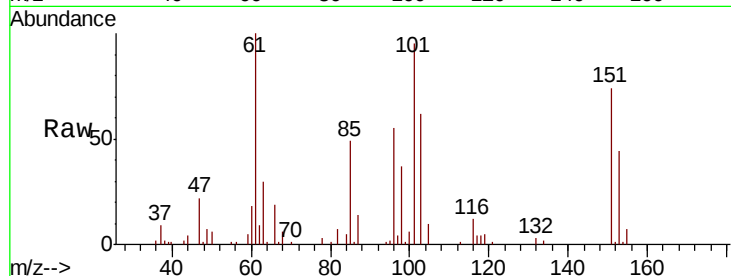
ClientSampleId :

VN0910WBSD01

Tot Ion:	101	Resp:	70893
Ion Ratio	Lower	Upper	
101	100		
85	48.8	38.1	57.1
151	73.0	58.4	87.6

Manual Integrations
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MMDadoda
9/13/2019 5:16:19 AM



#10

Methyl Iodide

Concen: 18.713 ug/l

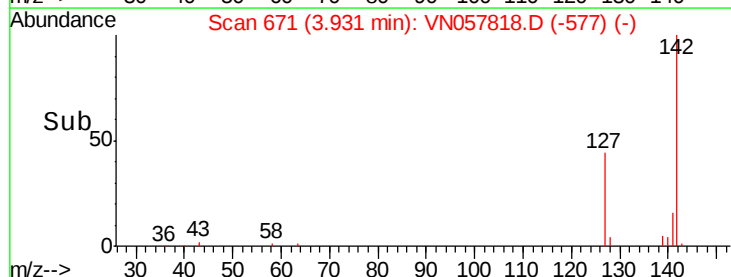
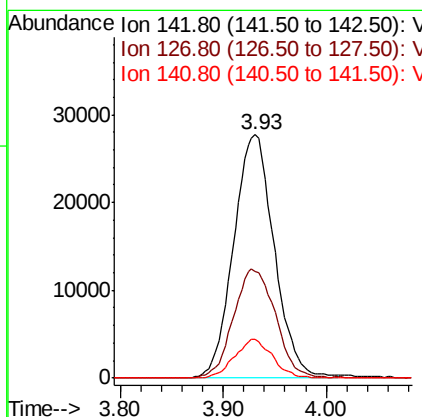
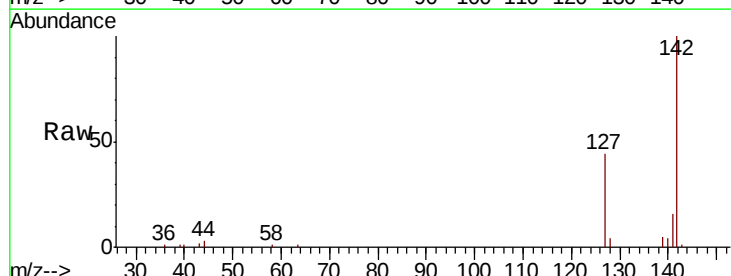
RT: 3.93 min Scan# 671

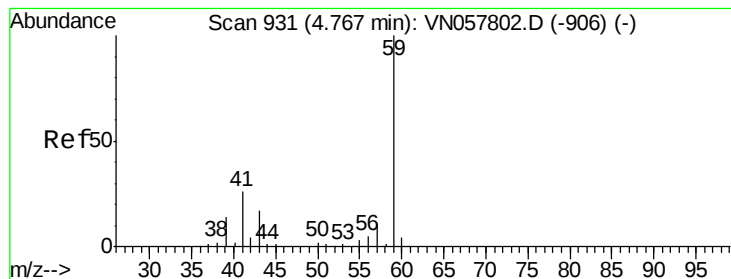
Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	142	Resp:	76096
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	14.8	11.4	17.0





#11

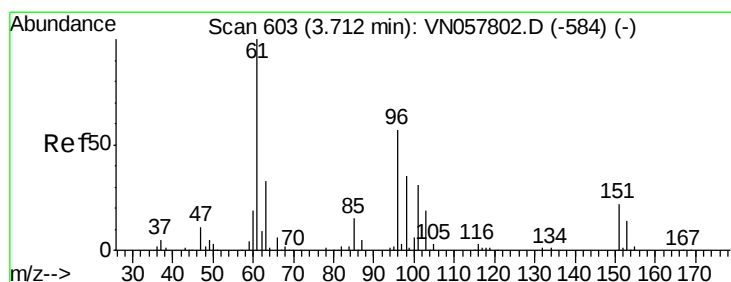
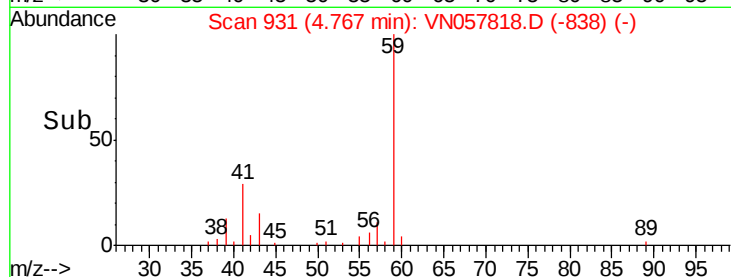
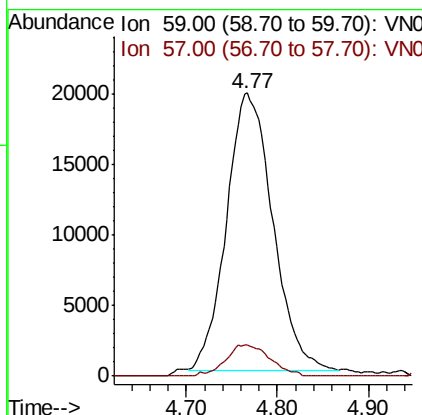
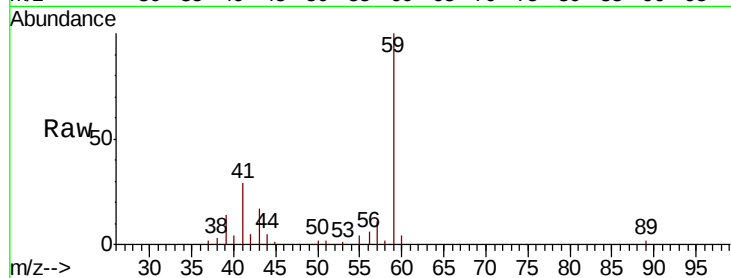
Tert butyl alcohol
 Concen: 91.625 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
 APPROVED

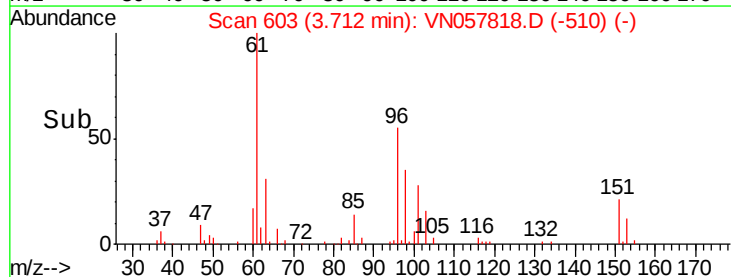
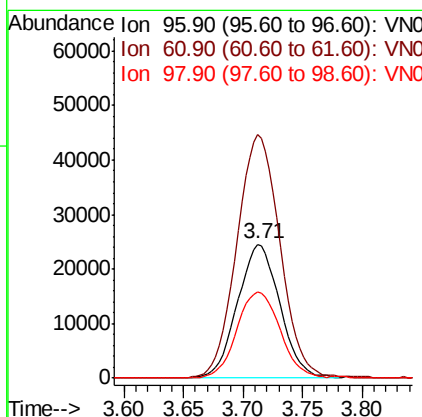
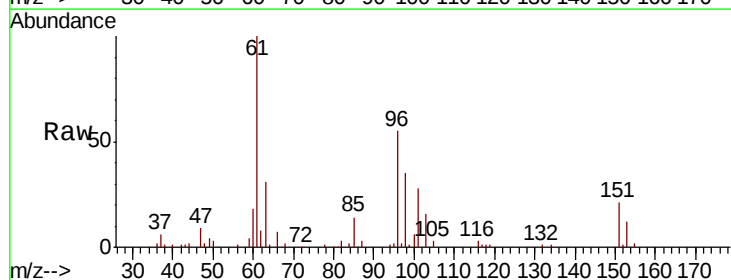
MMDadoda
 9/13/2019 5:16:19 AM

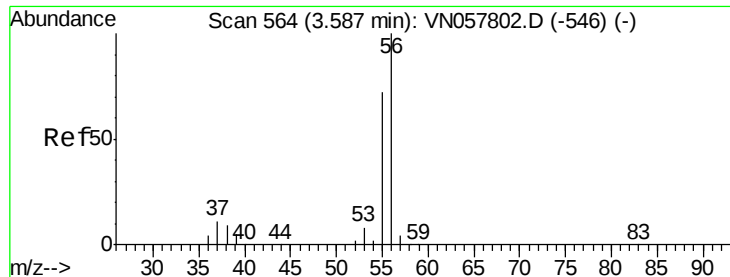


#12

1,1-Dichloroethene
 Concen: 18.393 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.6	141.2	211.8
98	64.1	49.9	74.9





#13

Acrolein

Concen: 94.307 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 56 Resp: 60520

Ion Ratio Lower Upper

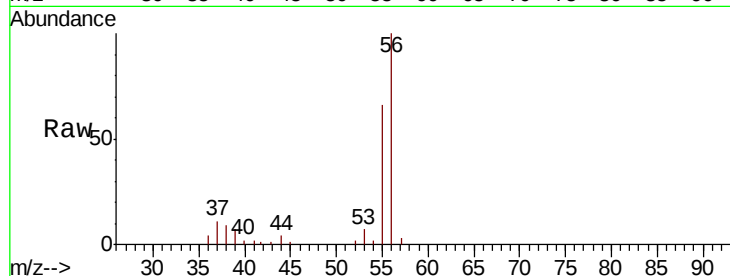
56 100

55 68.5 57.3 85.9

Manual Integrations
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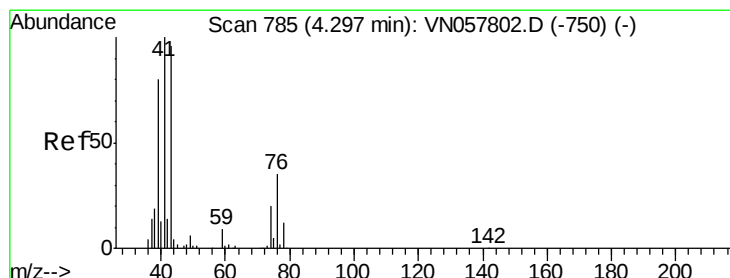
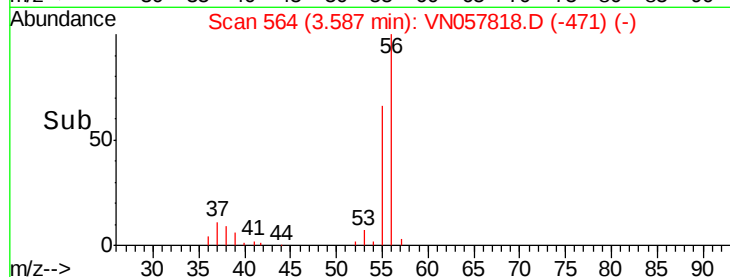
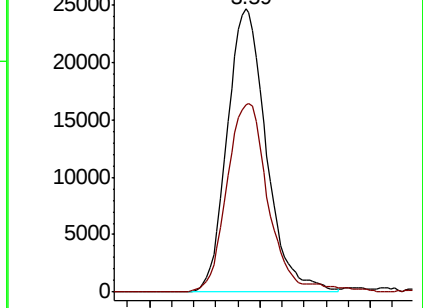
MMDadoda

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

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



#14

Allyl chloride

Concen: 18.049 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

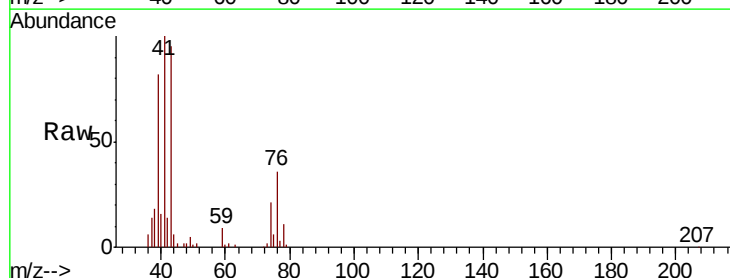
Tgt Ion: 41 Resp: 116058

Ion Ratio Lower Upper

41 100

39 74.8 59.4 89.2

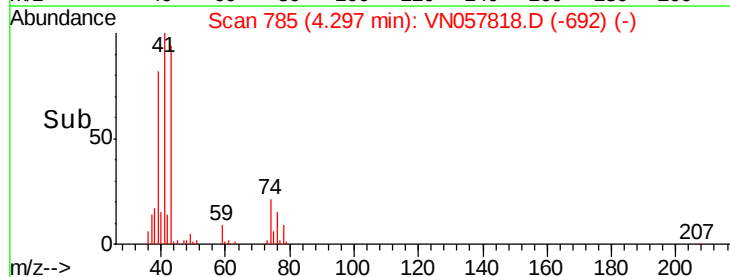
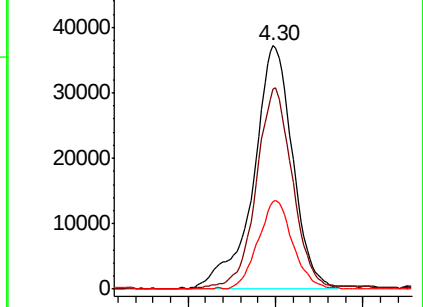
76 32.1 26.0 39.0



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) (-)





#15

Acrylonitrile

Concen: 97.878 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

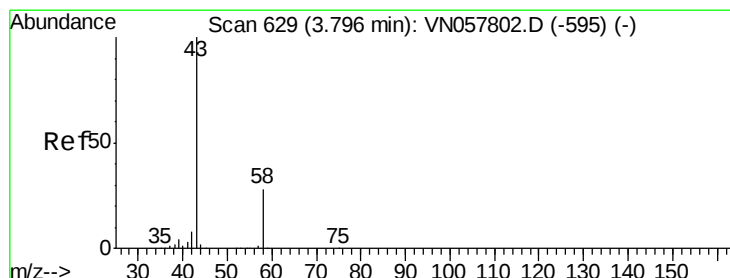
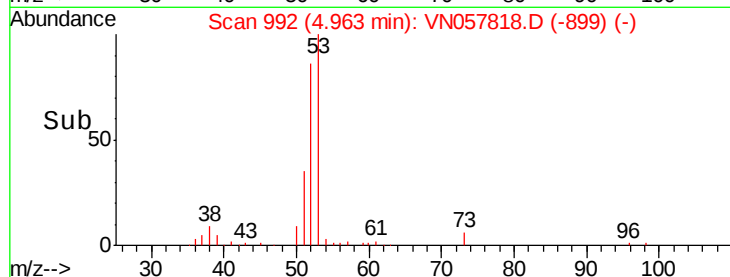
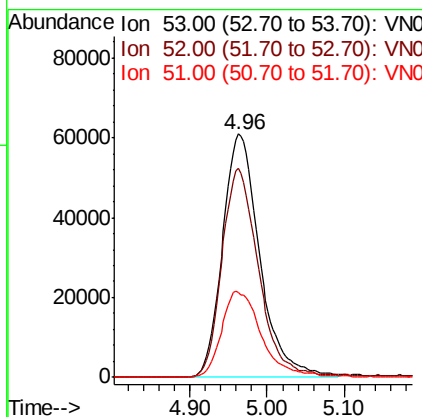
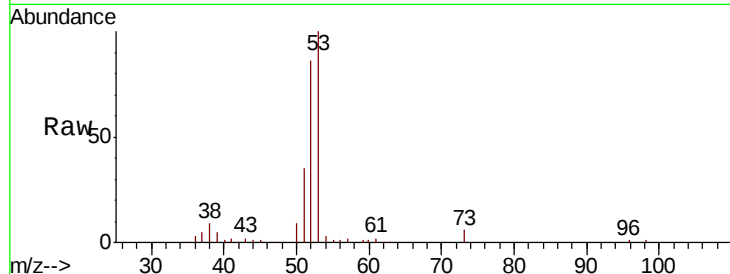
ClientSampleId :

VN0910WBSD01

Tot Ion:	53	Resp:	203495
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 81.451 ug/l

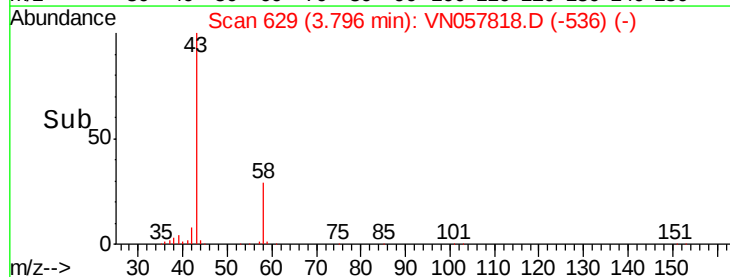
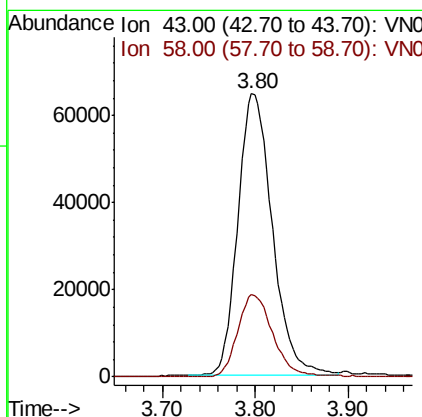
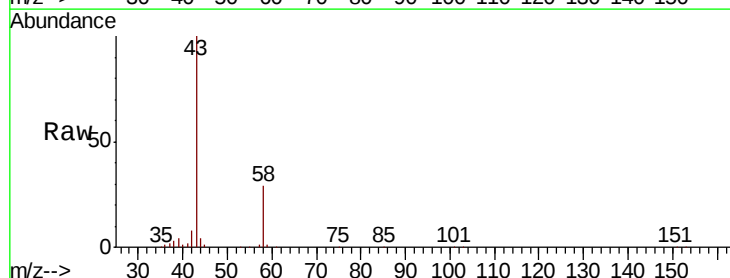
RT: 3.80 min Scan# 629

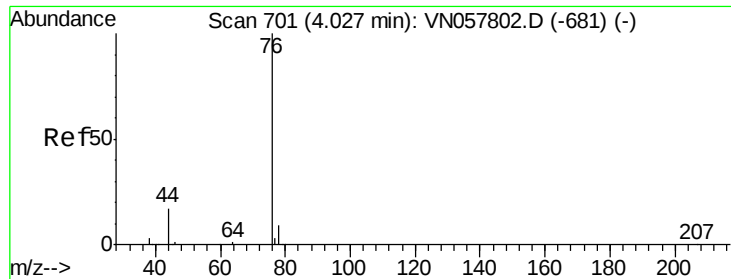
Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	43	Resp:	166874
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.2	33.2





#17

Carbon Disulfide

Concen: 18.076 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 76 Resp: 91915

Ion Ratio Lower Upper

76 100

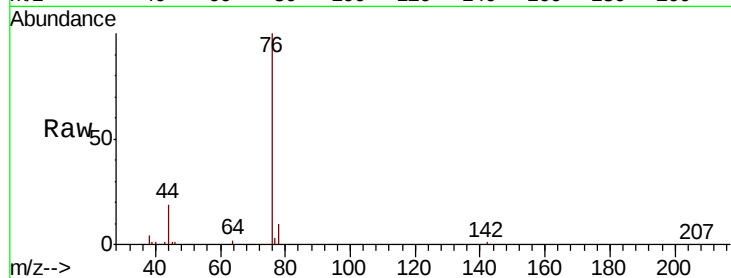
78 9.9 7.1 10.7

Manual Integrations

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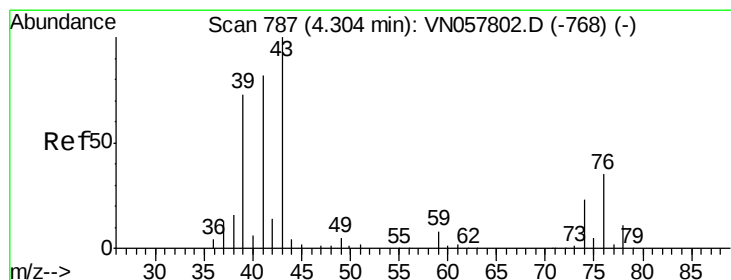
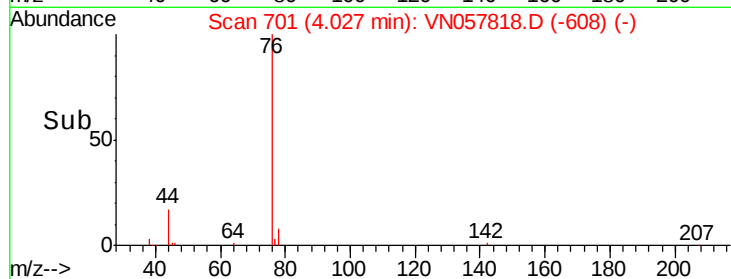
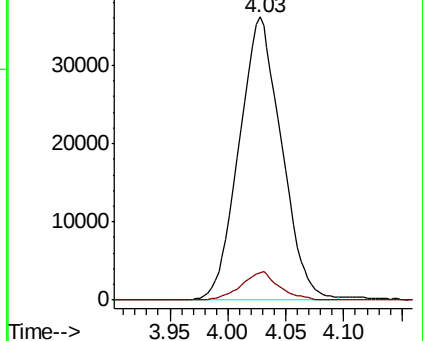
MMDadoda

9/13/2019 5:16:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.245 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057818.D

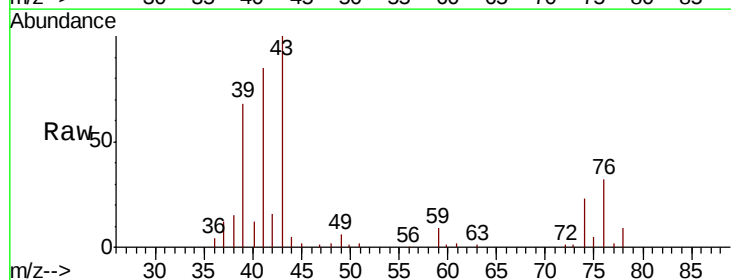
Acq: 9 Sep 2019 22:03

Tgt Ion: 43 Resp: 110591

Ion Ratio Lower Upper

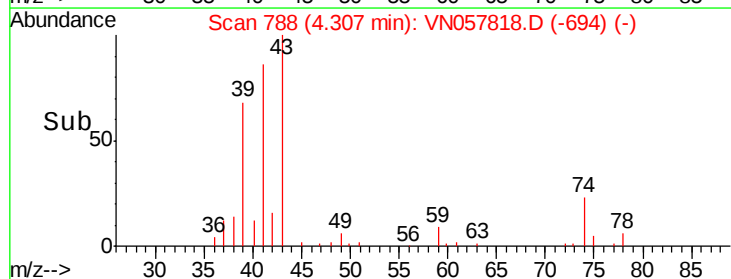
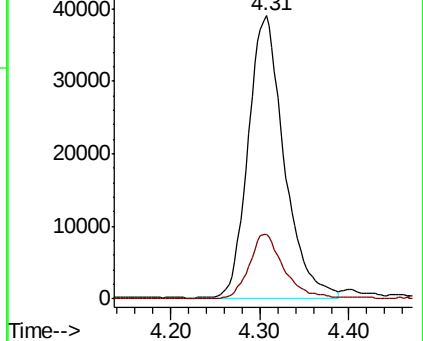
43 100

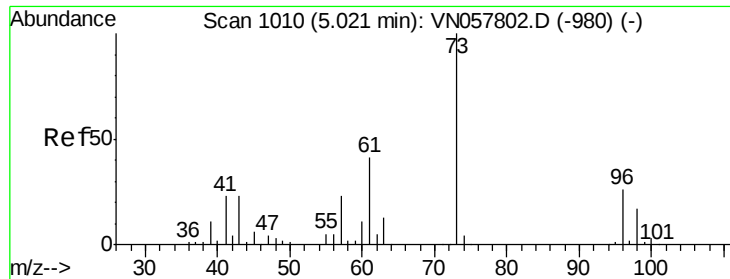
74 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





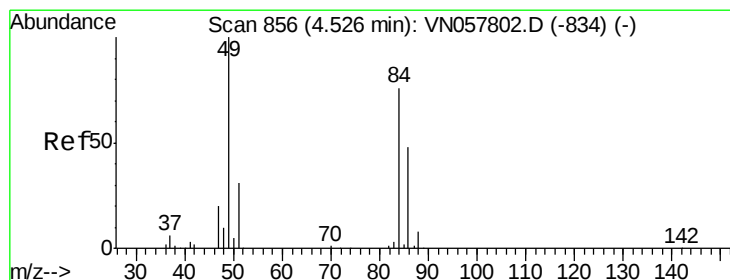
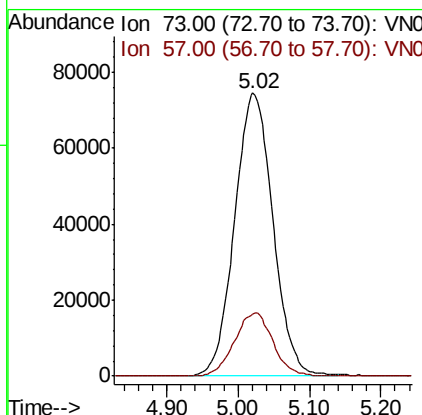
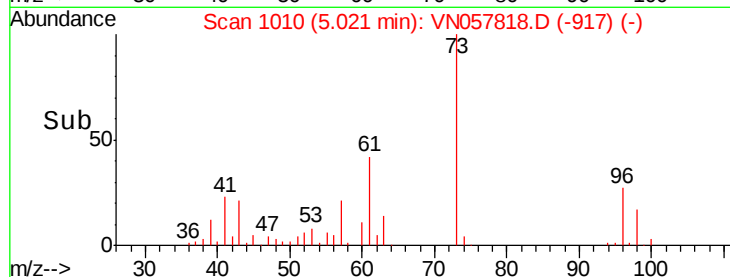
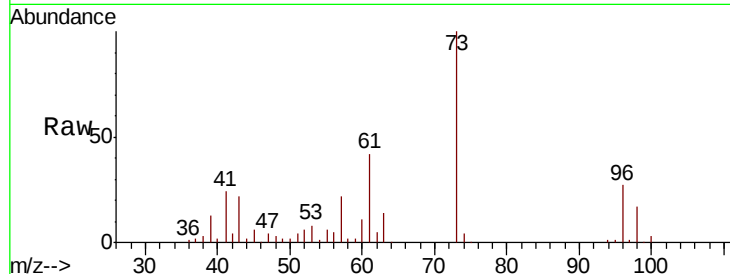
#19
Methvl tert-butvl Ether
Concen: 20.354 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.2	27.2

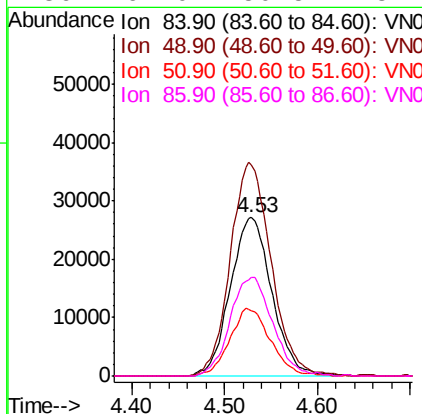
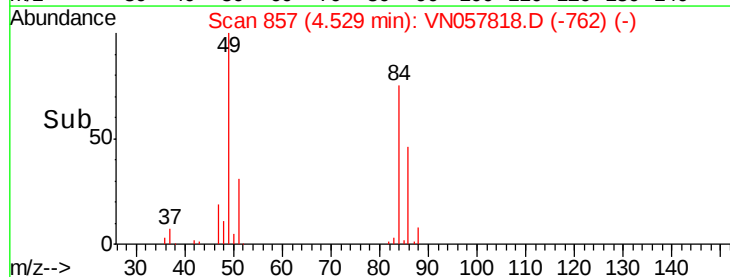
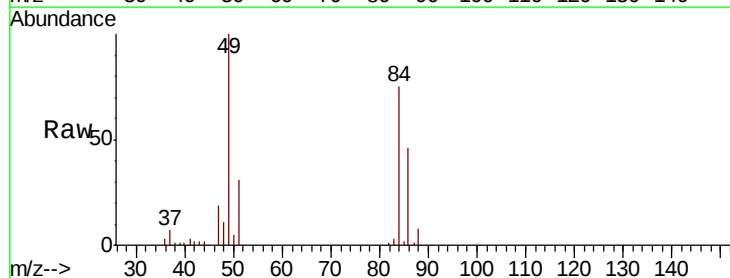
Manual Integrations
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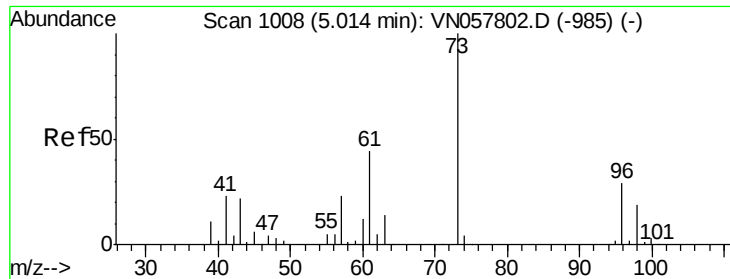
MMDadoda
9/13/2019 5:16:19 AM



#20
Methylene Chloride
Concen: 20.920 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.5	104.8	157.2
51	41.3	33.0	49.4
86	62.0	50.5	75.7





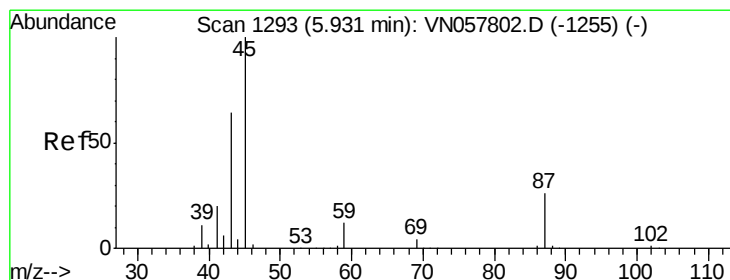
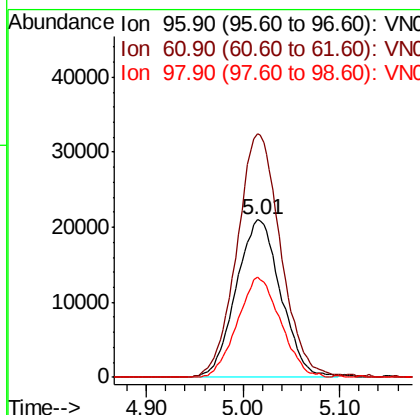
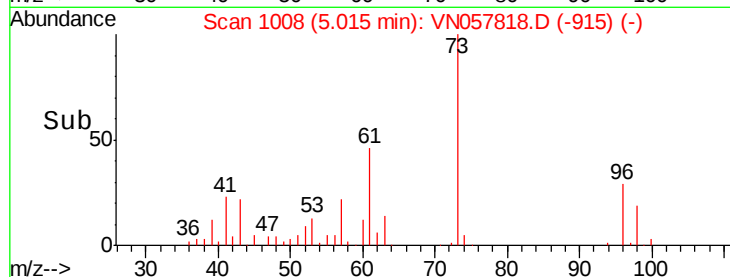
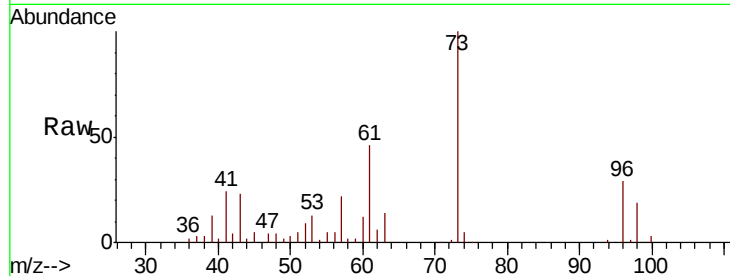
#21
trans-1,2-Dichloroethene
Concen: 18.997 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.7	121.9	182.9
98	64.0	52.2	78.4

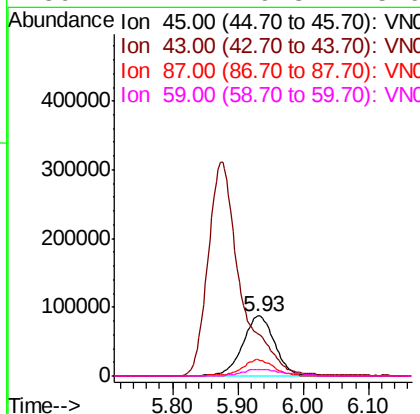
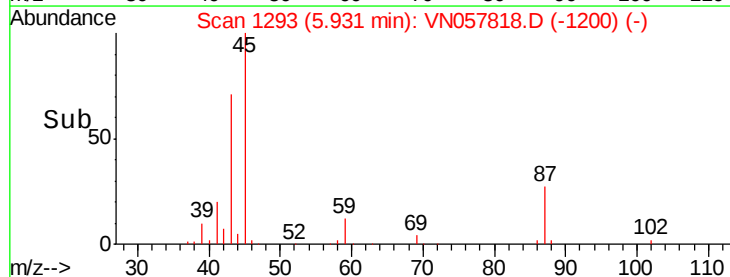
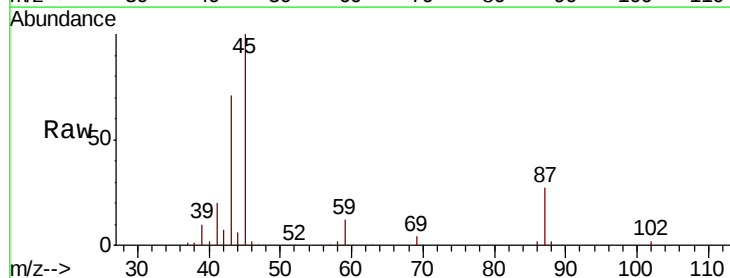
Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:19 AM



#22
Diisopropyl ether
Concen: 19.916 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.6	51.4	77.2
87	26.7	21.3	31.9
59	11.2	9.3	13.9





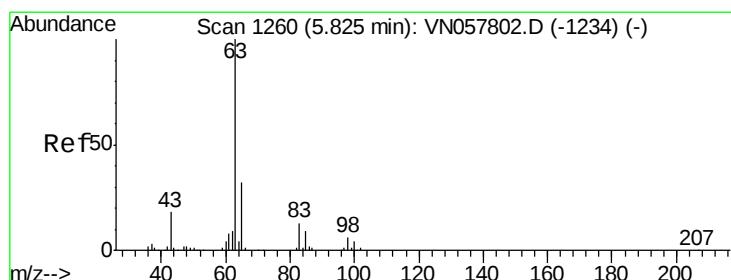
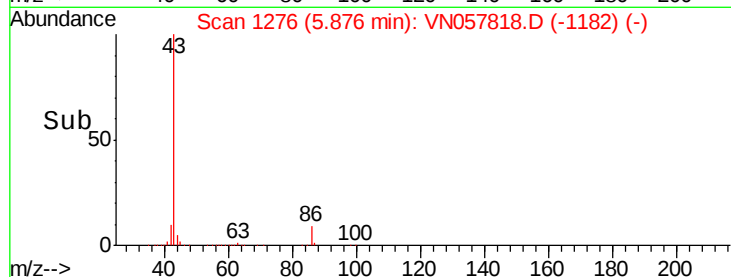
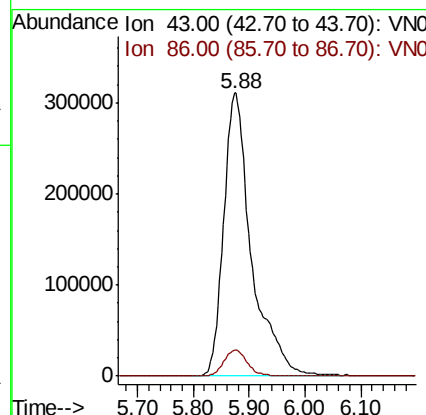
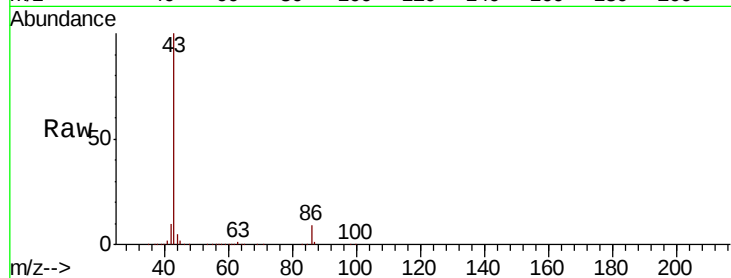
#23
 Vinyl Acetate
 Concen: 101.015 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion: 43 Resp: 1079492
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

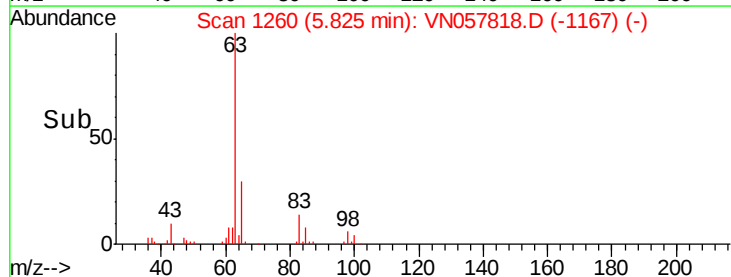
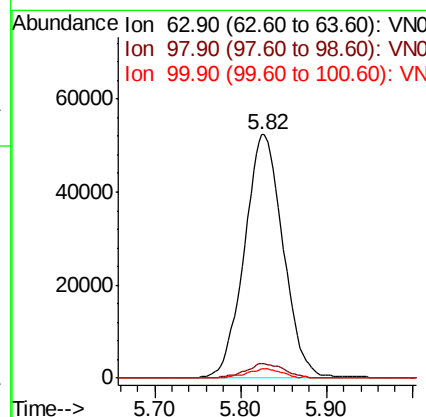
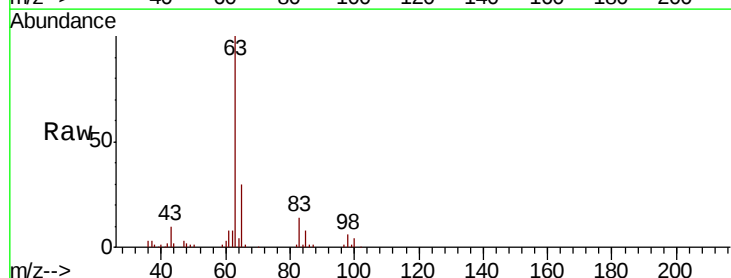
Manual Integrations
 APPROVED

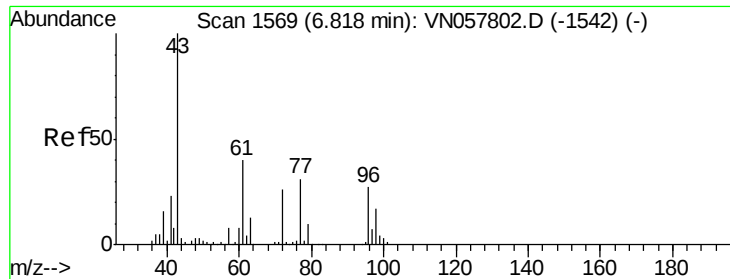
MMDadoda
 9/13/2019 5:16:19 AM



#24
 1,1-Dichloroethane
 Concen: 19.844 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion: 63 Resp: 163539
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 4.0 2.0 5.8





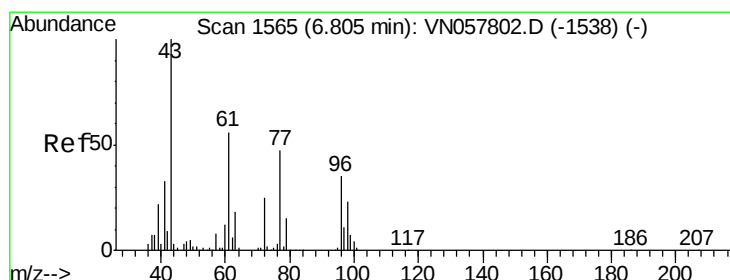
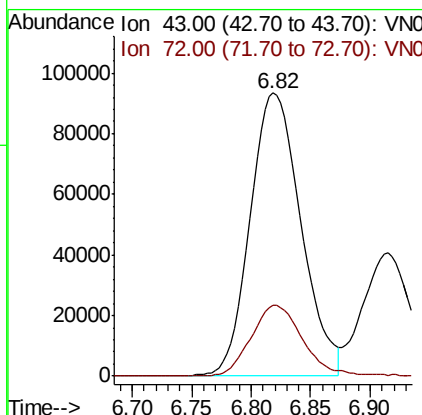
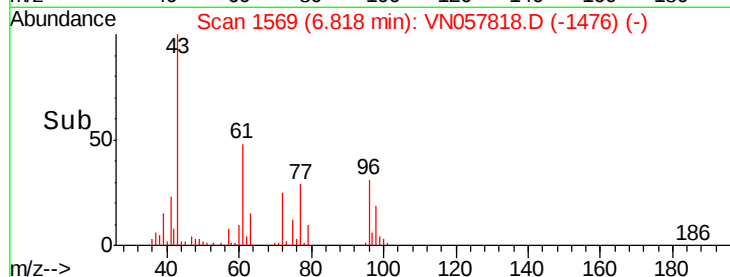
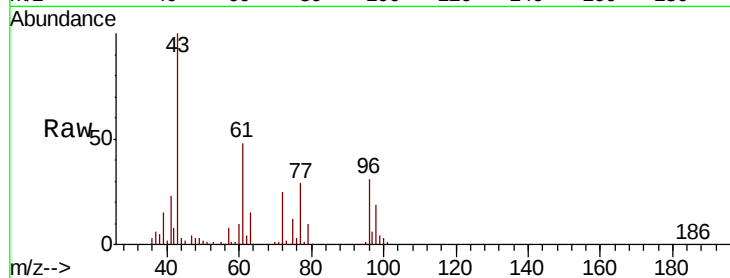
#25
2-Butanone
Concen: 92.802 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion: 43 Resp: 275184
Ion Ratio Lower Upper
43 100
72 24.9 20.6 30.8

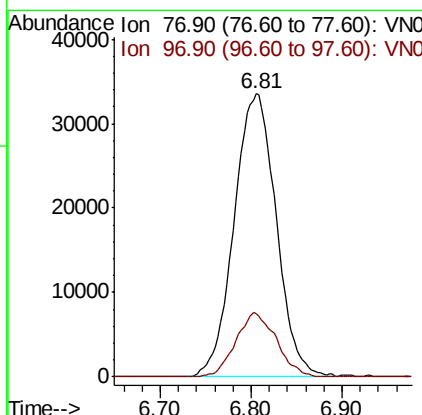
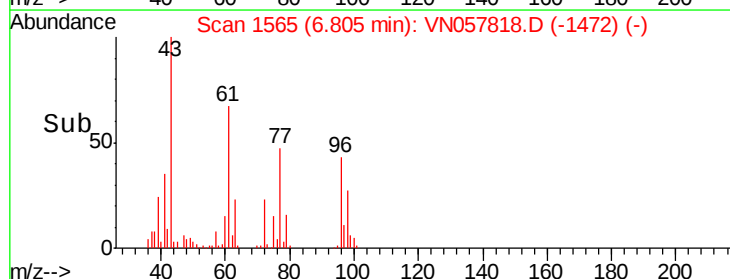
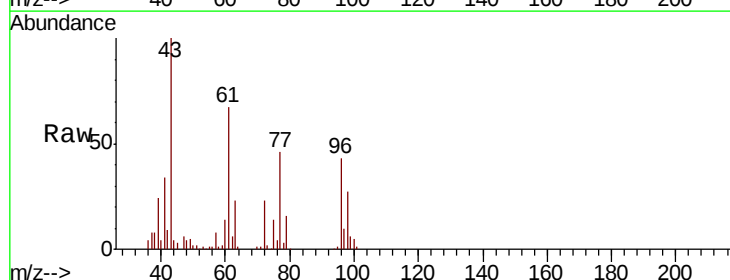
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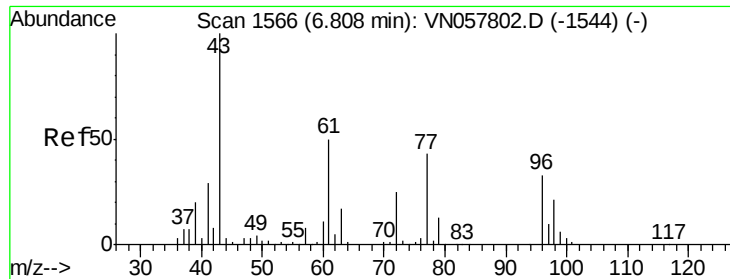
MMDadoda
9/13/2019 5:16:19 AM



#26
2,2-Dichloropropane
Concen: 16.530 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion: 77 Resp: 107808
Ion Ratio Lower Upper
77 100
97 21.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.340 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

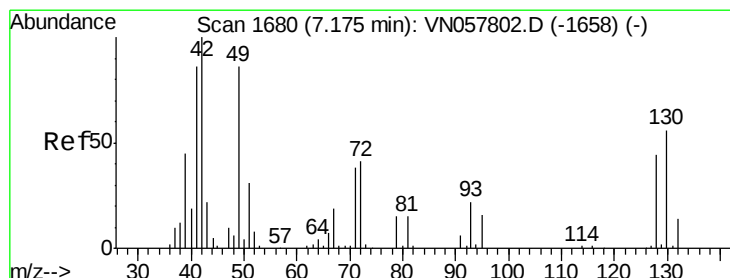
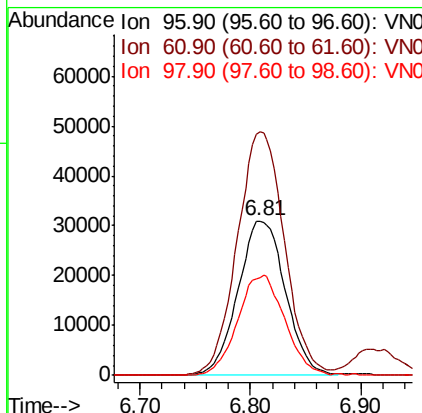
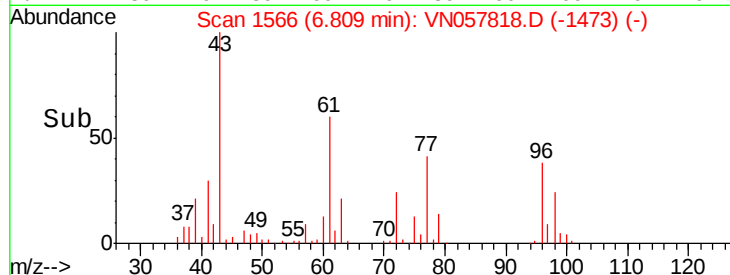
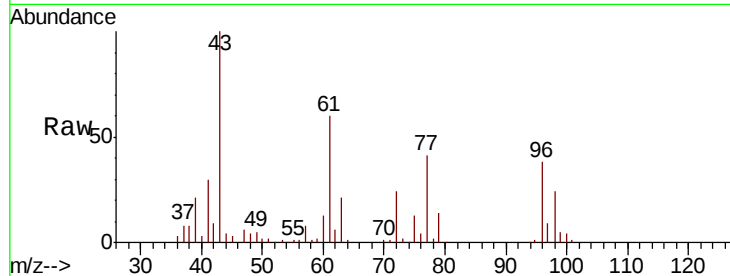
ClientSampleId :

VN0910WBSD01

Tot Ion:	96	Resp:	92057
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	314.0
98	64.4	0.0	128.6

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#28

Bromochloromethane

Concen: 19.991 ug/l

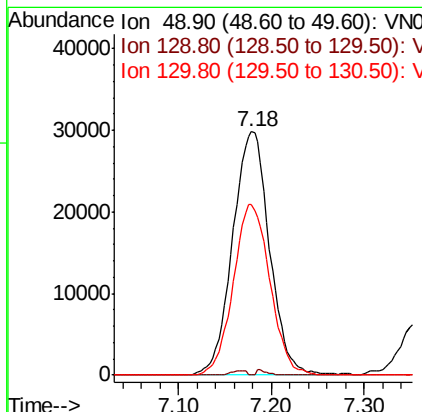
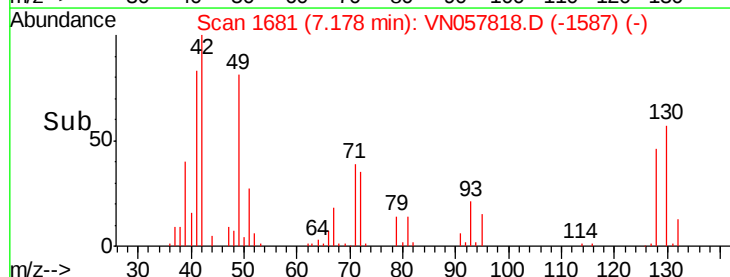
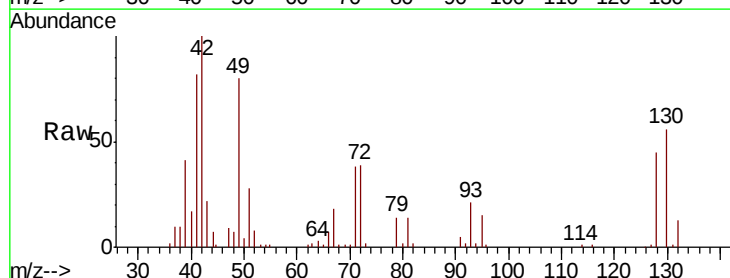
RT: 7.18 min Scan# 1681

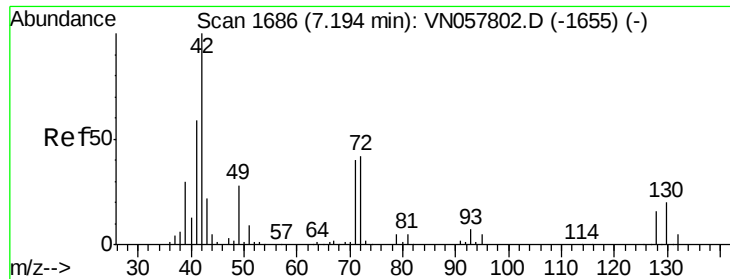
Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	49	Resp:	82307
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	69.5	53.0	79.6





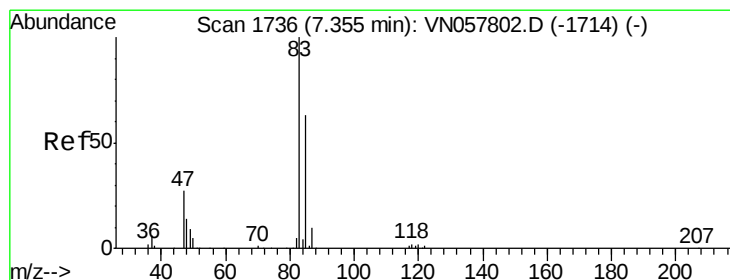
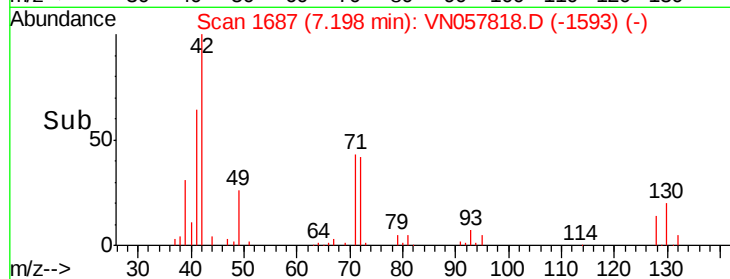
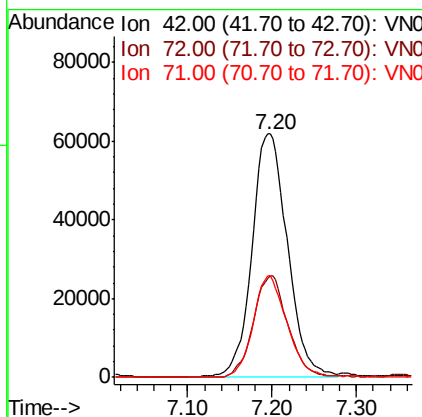
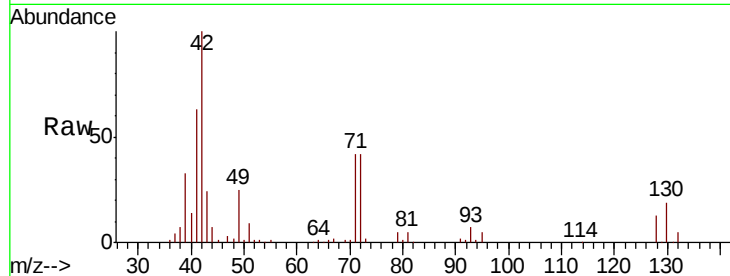
#29
Tetrahydrofuran
Concen: 99.131 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.7	50.5
71	39.6	31.9	47.9

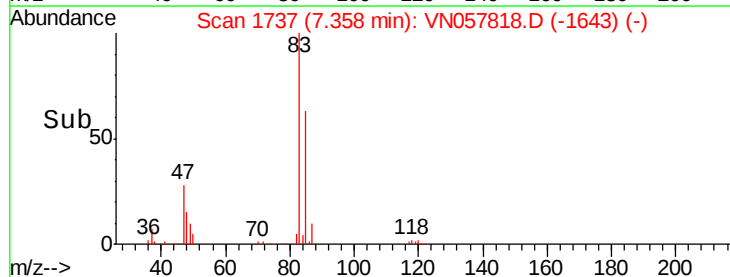
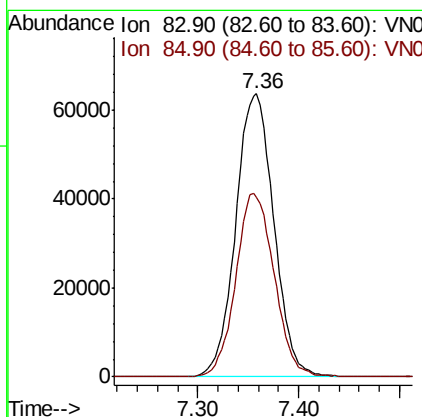
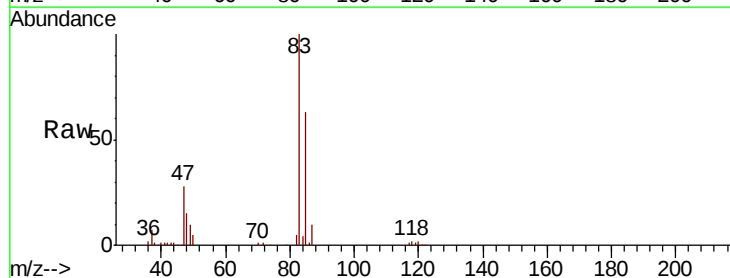
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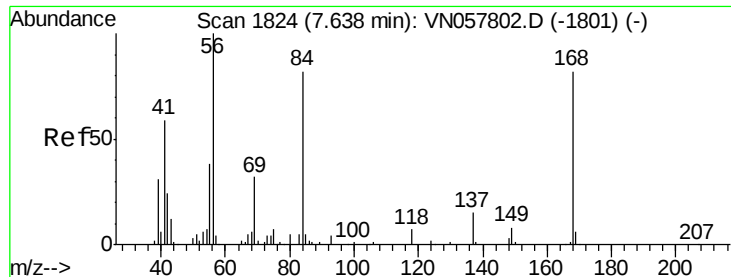
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#30
Chloroform
Concen: 19.379 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	75.8





#31

Cyclohexane

Concen: 20.238 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

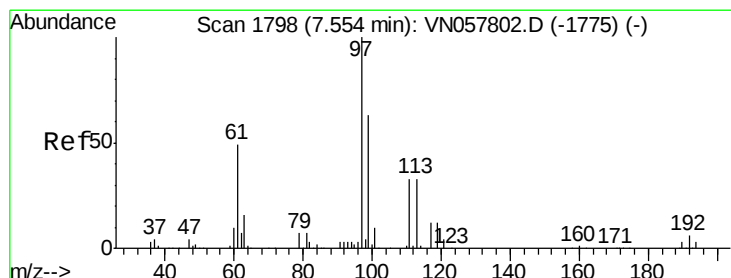
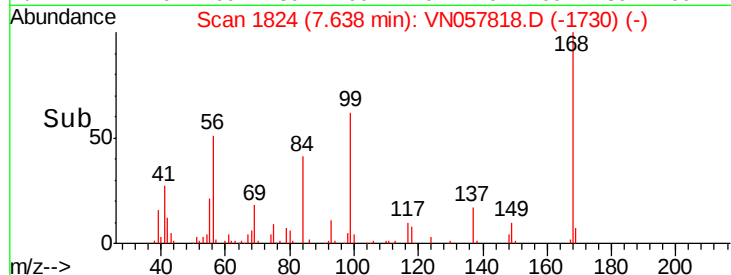
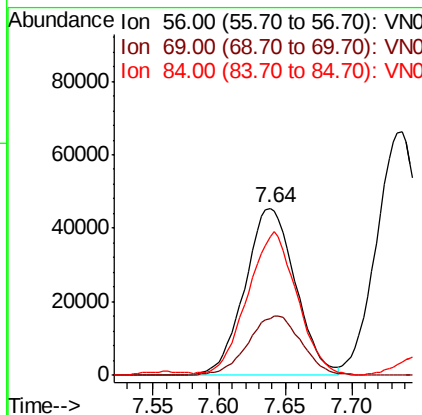
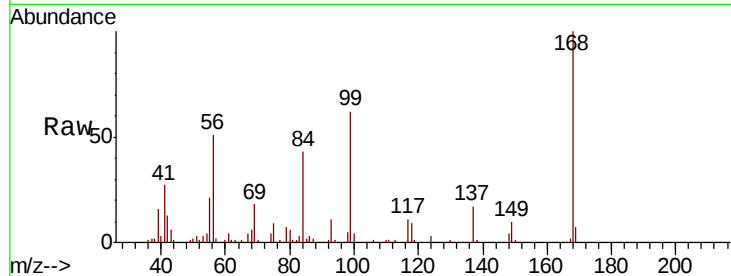
ClientSampleId :

VN0910WBSD01

Tot Ion:	56	Resp:	121130
Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.9	38.9
84	81.6	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 18.914 ug/l

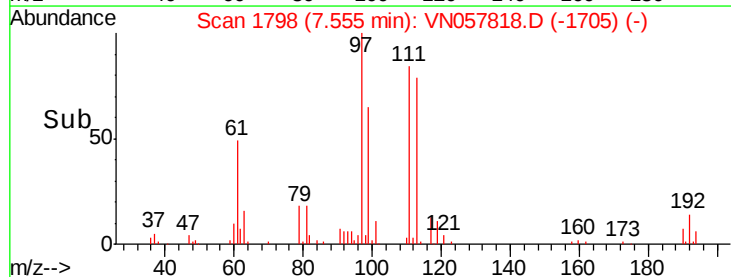
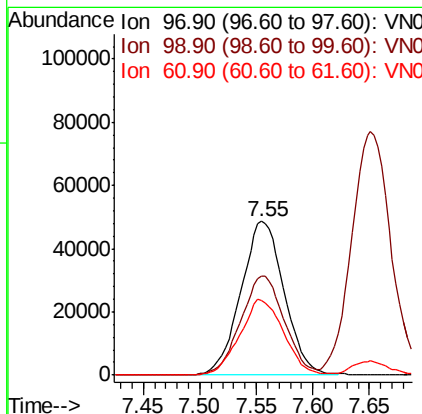
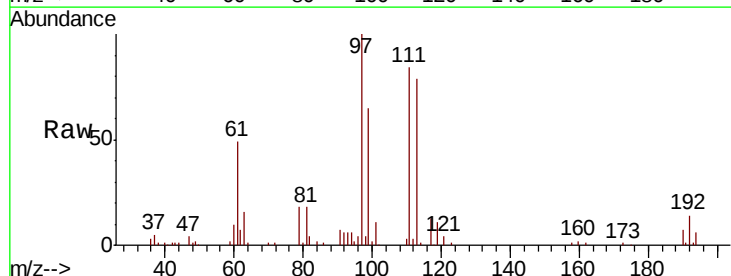
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	97	Resp:	129260
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	49.7	39.0	58.6





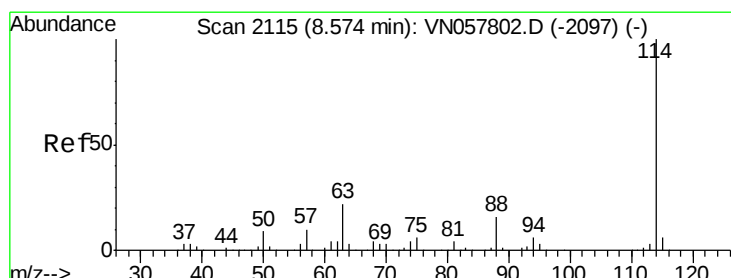
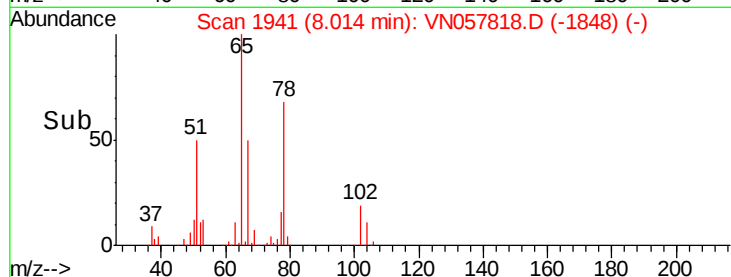
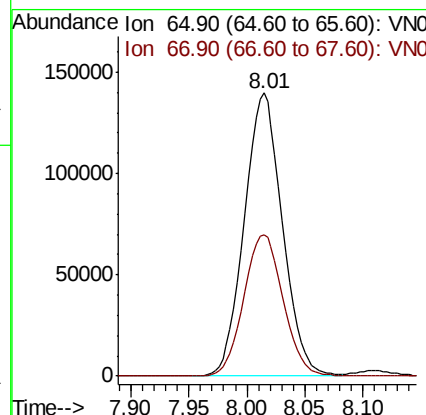
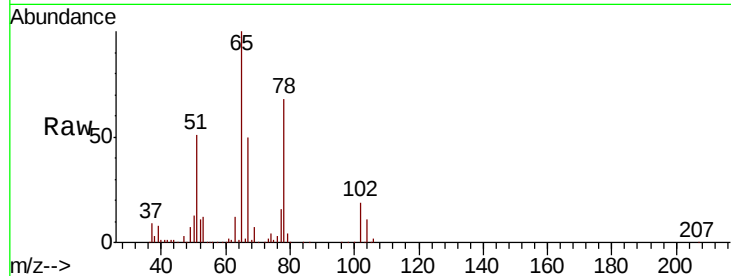
#33
 1,2-Dichloroethane-d4
 Concen: 51.197 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.0

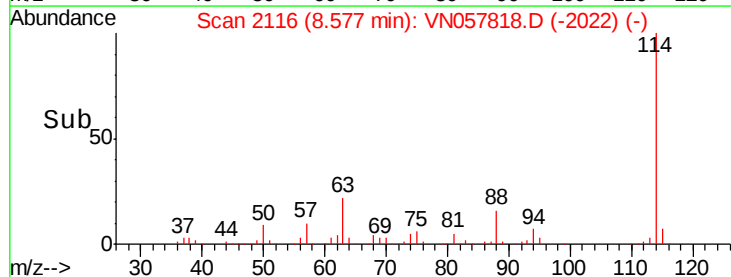
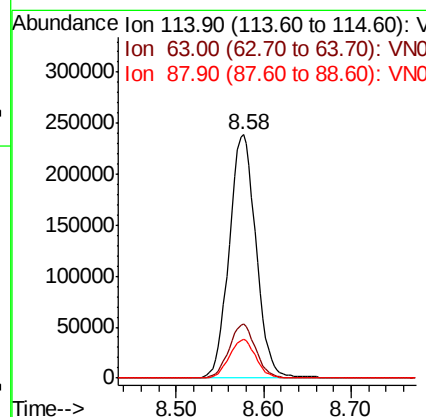
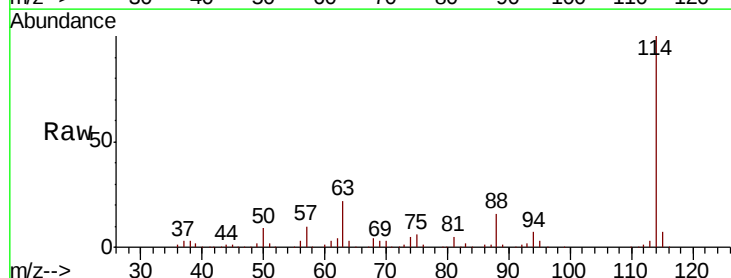
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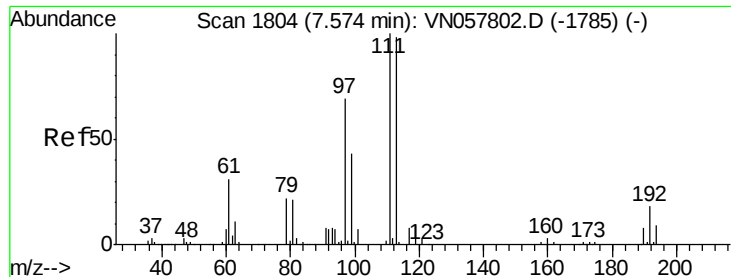
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	15.9	0.0	31.4





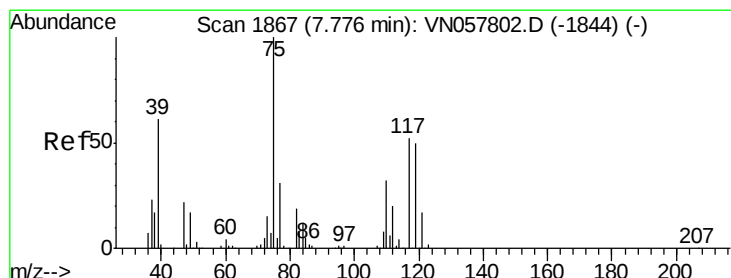
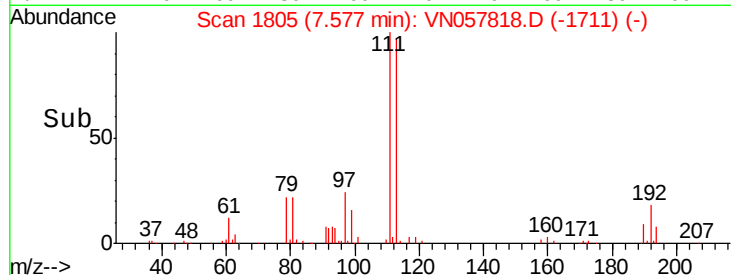
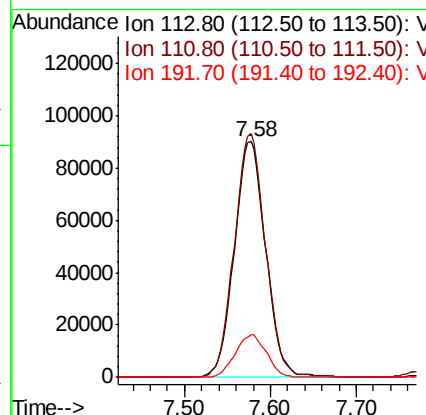
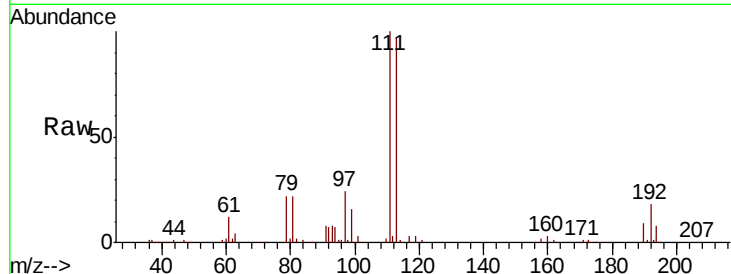
#35
 Dibromofluoromethane
 Concen: 48.594 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.3	121.9	
192	17.9	14.6	22.0	

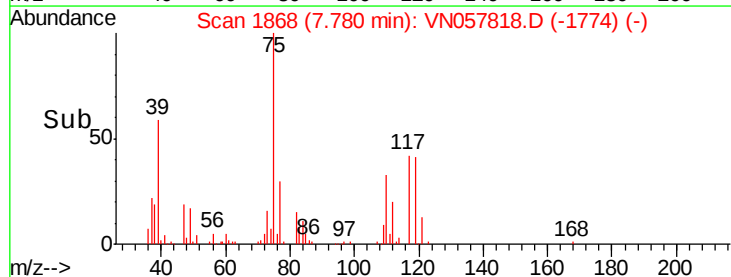
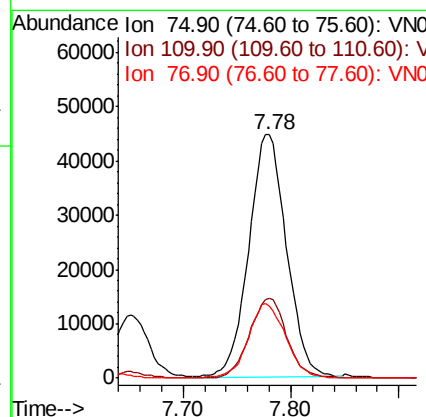
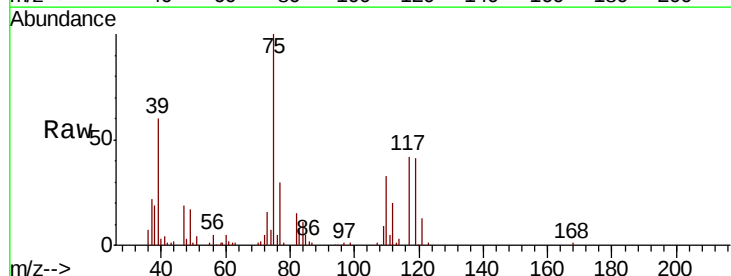
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#36
 1,1-Dichloropropene
 Concen: 18.396 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.5	16.3	48.9	
77	30.5	25.0	37.4	





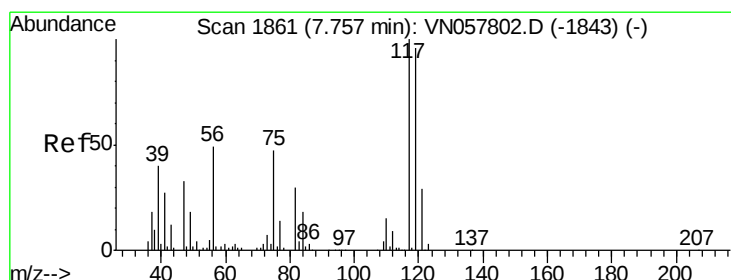
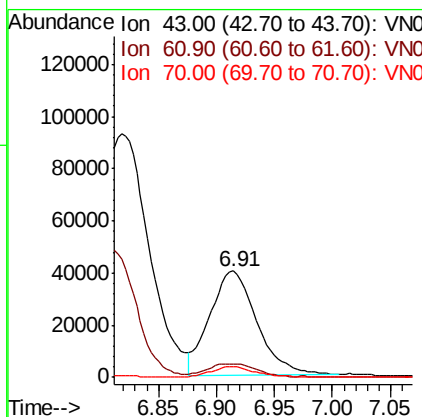
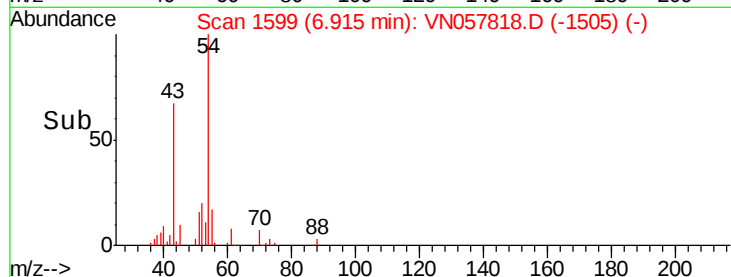
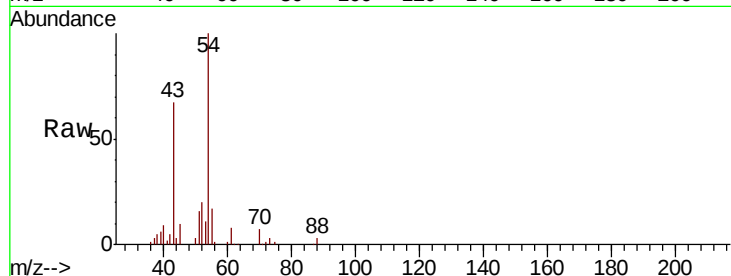
#37
Ethyl Acetate
Concen: 18.549 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	10.0	7.4	11.0

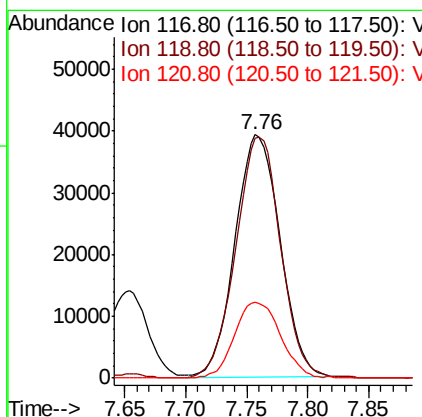
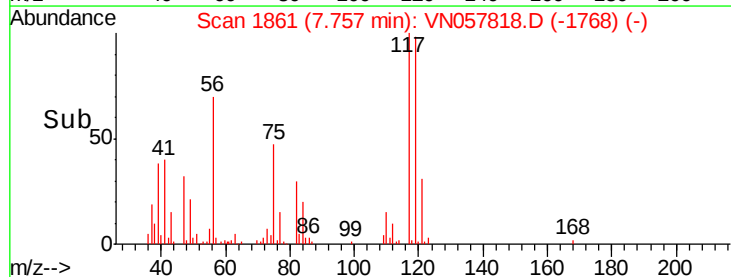
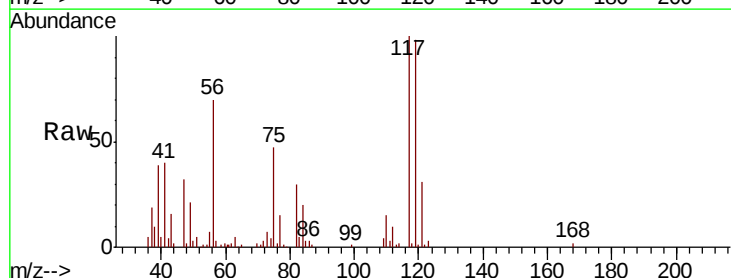
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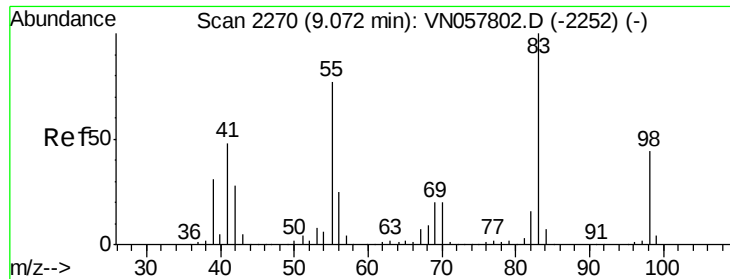
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#38
Carbon Tetrachloride
Concen: 18.653 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	76.9	115.3
121	31.1	23.4	35.2





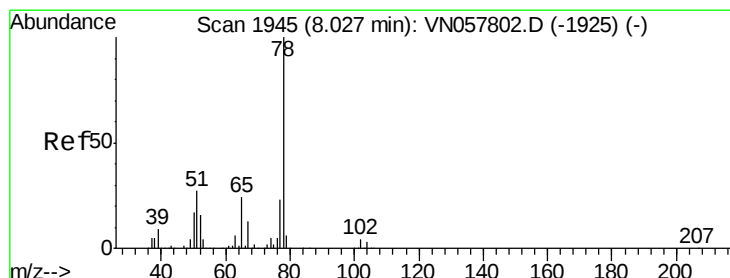
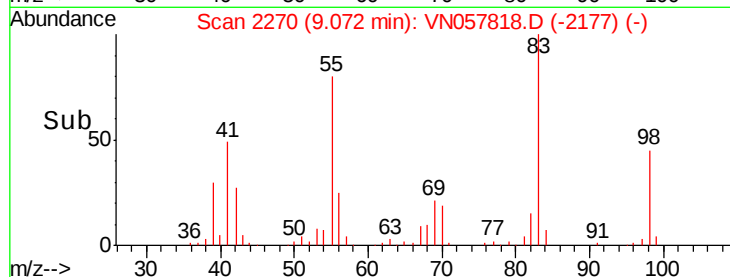
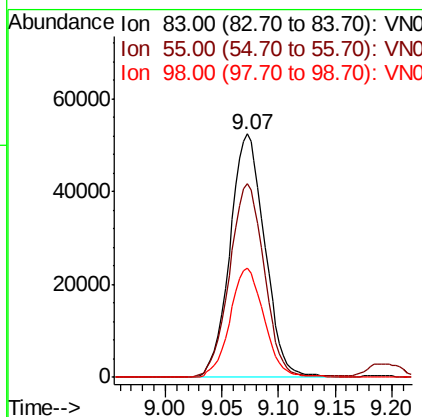
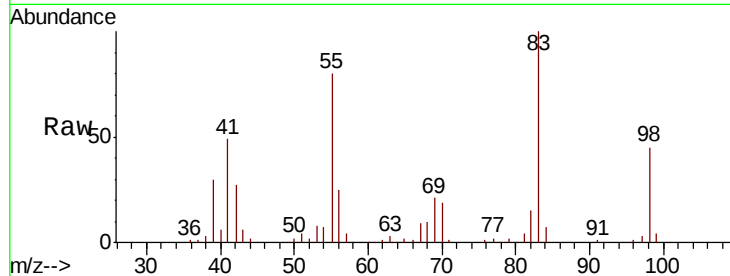
#39
Methvlcvclohexane
Concen: 18.109 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.6	92.4
98	44.8	34.9	52.3

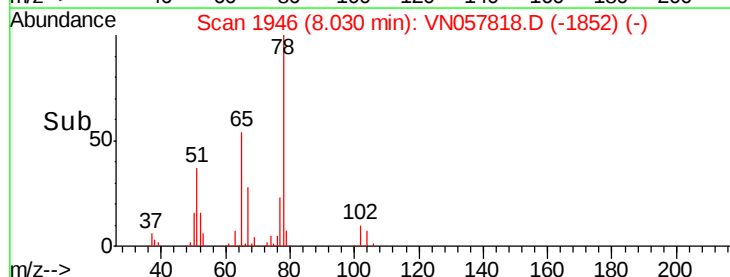
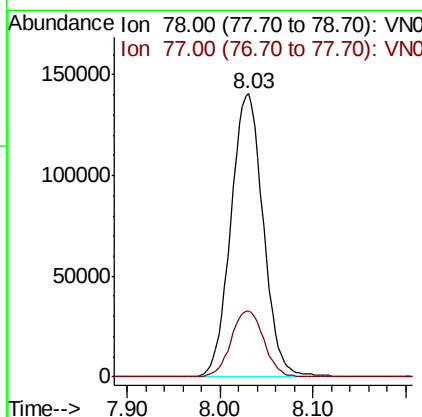
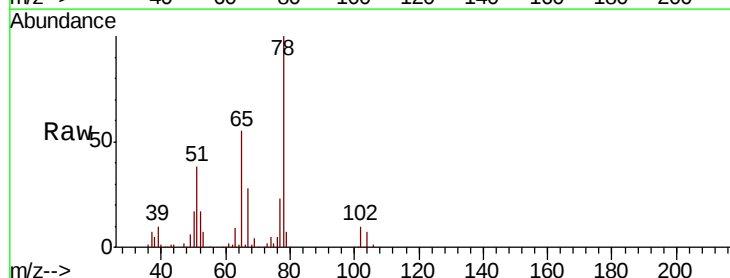
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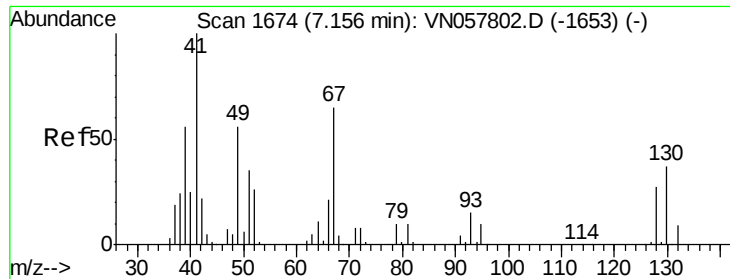
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#40
Benzene
Concen: 19.159 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





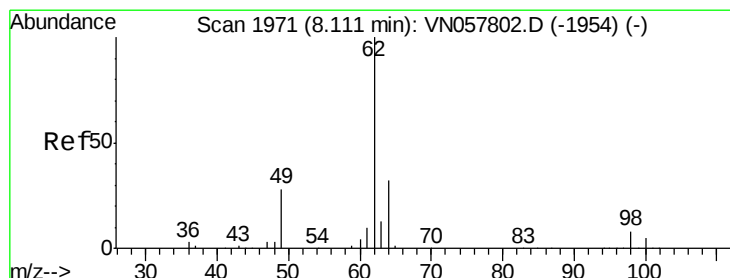
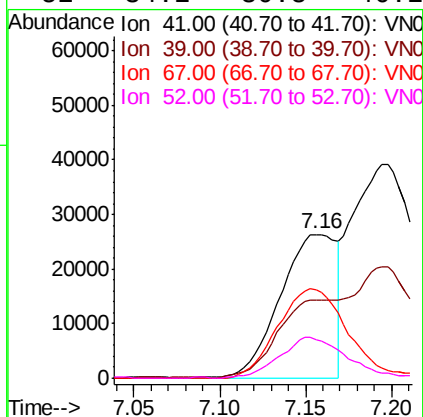
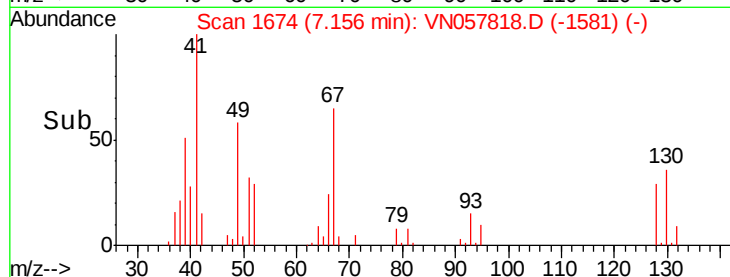
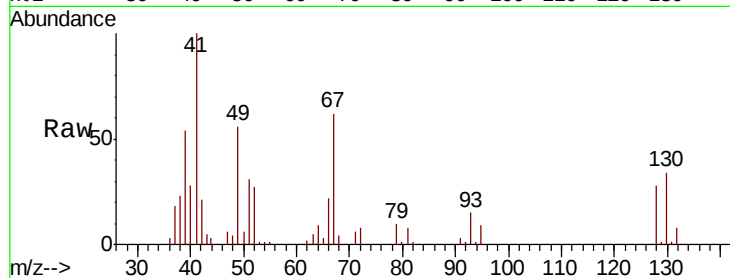
#41
Methacrylonitrile
Concen: 21.813 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	51.0	76.6	
67	77.7	70.7	106.1	
52	34.2	30.8	46.2	

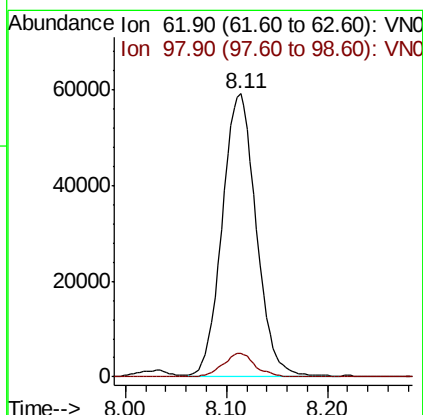
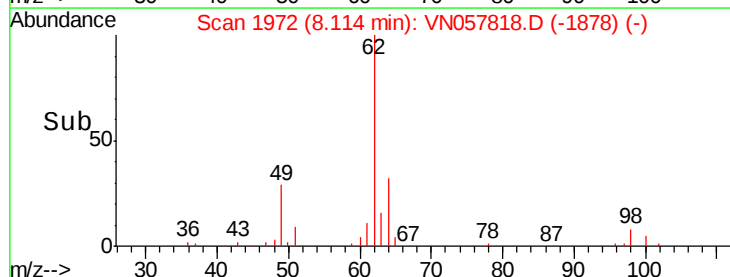
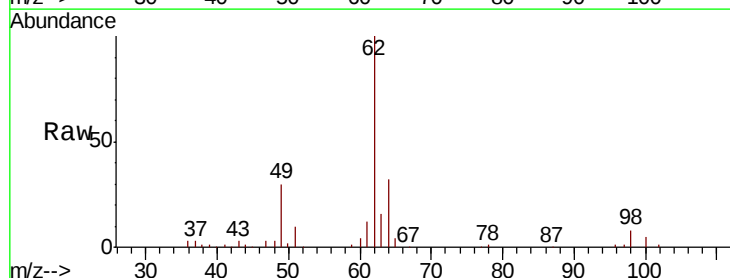
Manual Integrations
APPROVED

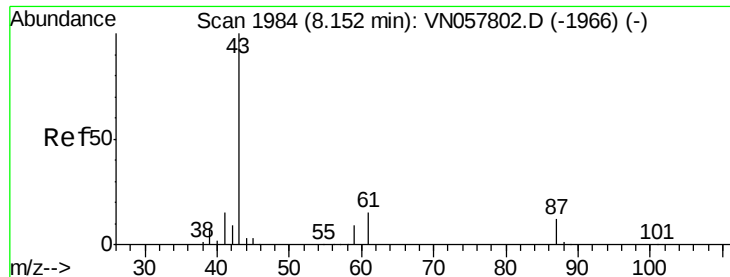
MMDadoda
9/13/2019 5:16:19 AM



#42
1,2-Dichloroethane
Concen: 19.477 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.8	





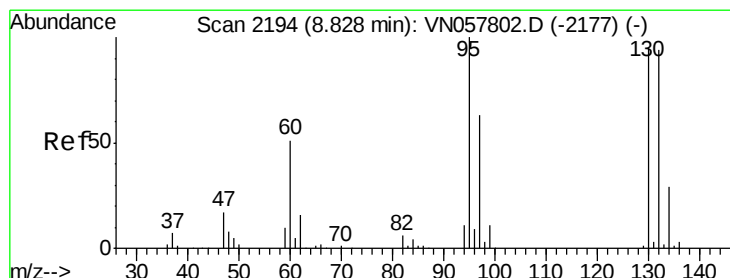
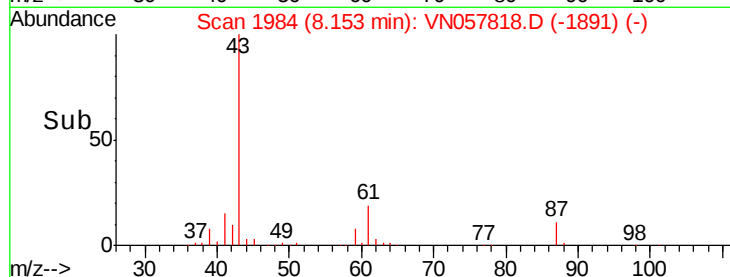
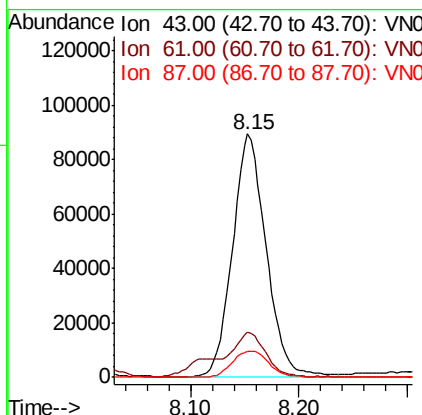
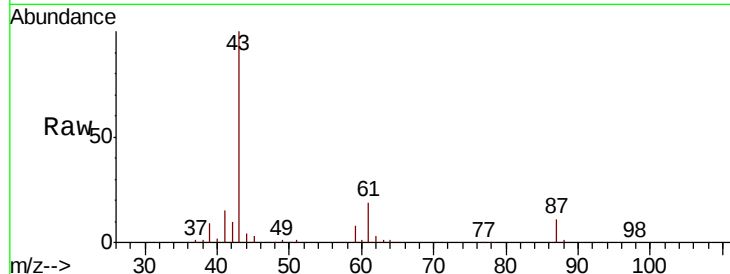
#43
Isopropyl Acetate
Concen: 18.812 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	20.1	30.1#
87	11.8	9.5	14.3

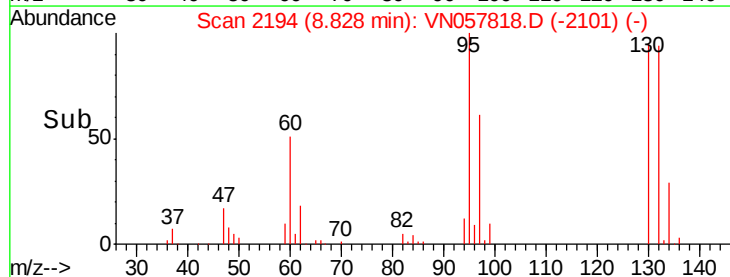
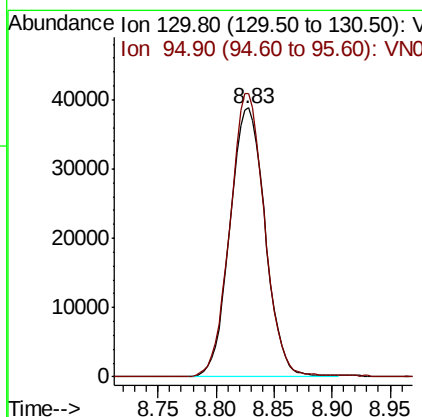
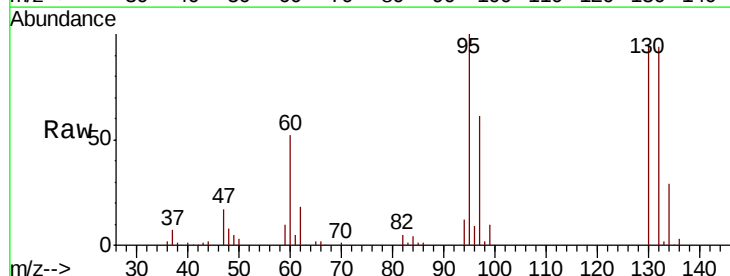
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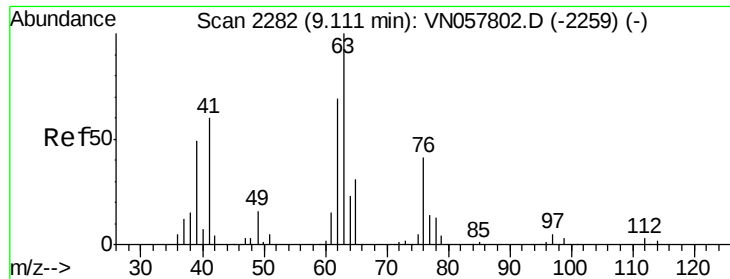
MMDadoda
9/13/2019 5:16:19 AM



#44
Trichloroethene
Concen: 18.768 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	211.4





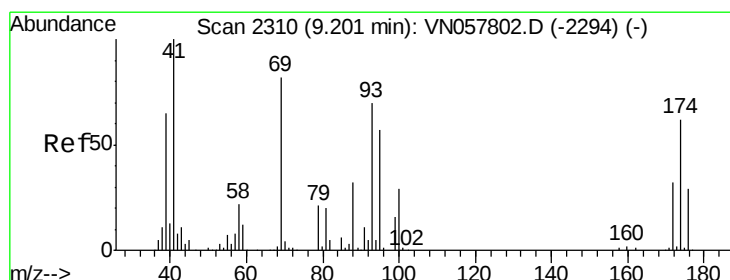
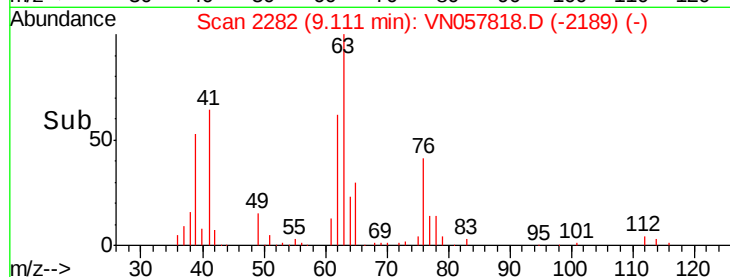
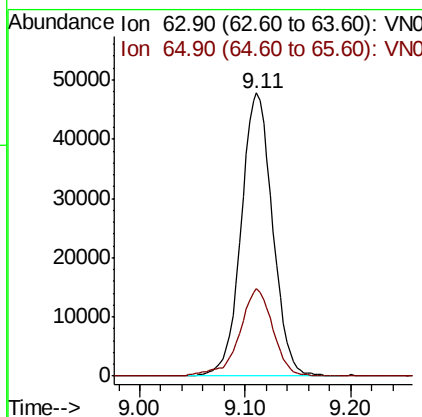
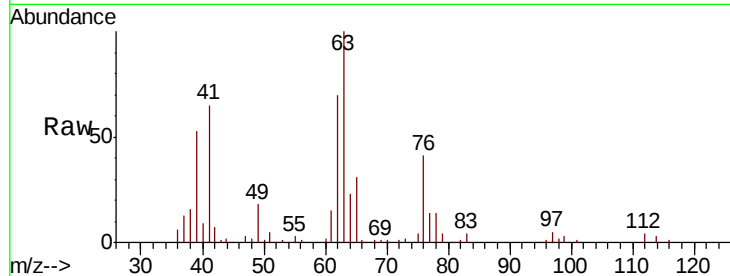
#45
 1,2-Dichloropropane
 Concen: 19.134 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion: 63 Resp: 98939
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

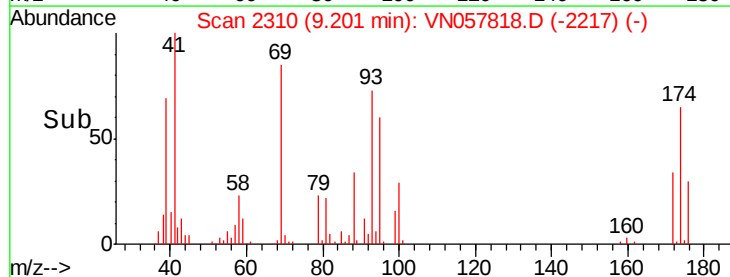
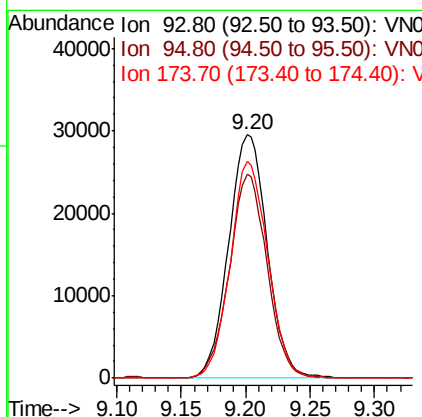
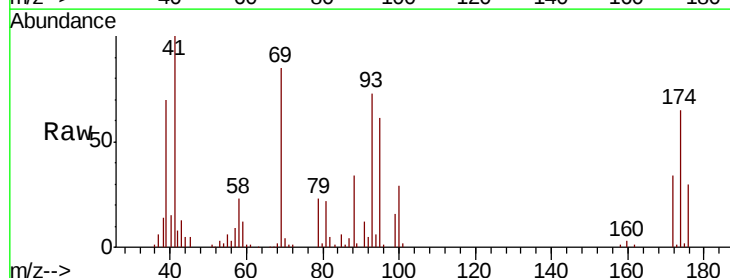
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#46
 Dibromomethane
 Concen: 19.671 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion: 93 Resp: 61467
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.9 98.9
 174 86.7 71.8 107.6





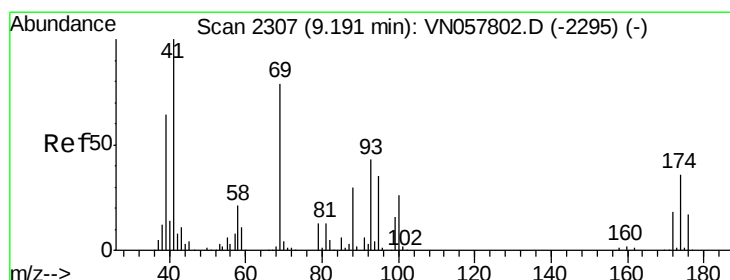
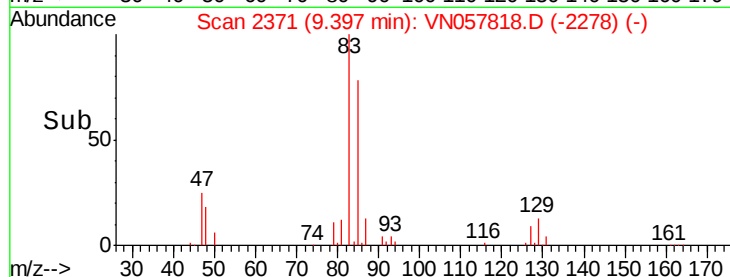
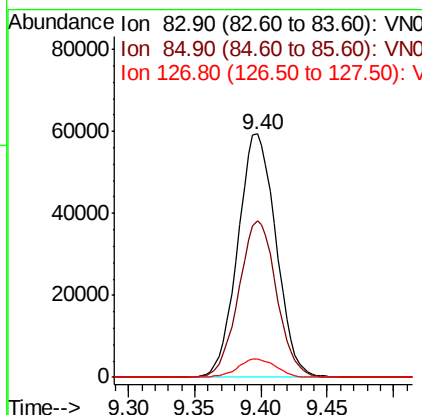
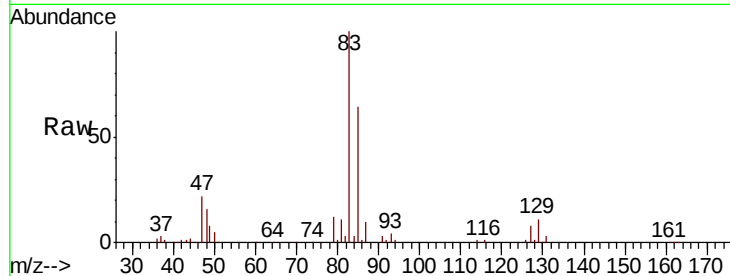
#47
 Bromodichloromethane
 Concen: 19.088 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	83	Resp	119103
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	49.9	74.9
127	7.5	6.5	9.7

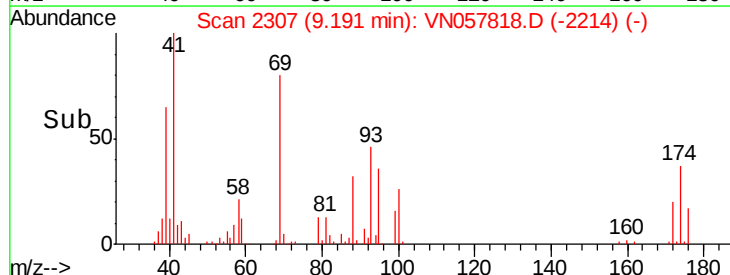
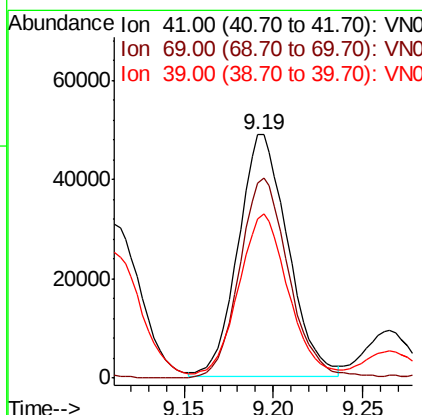
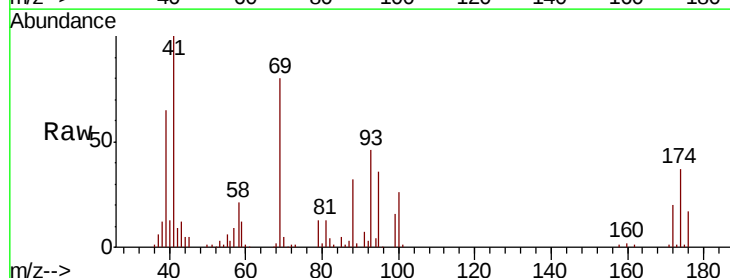
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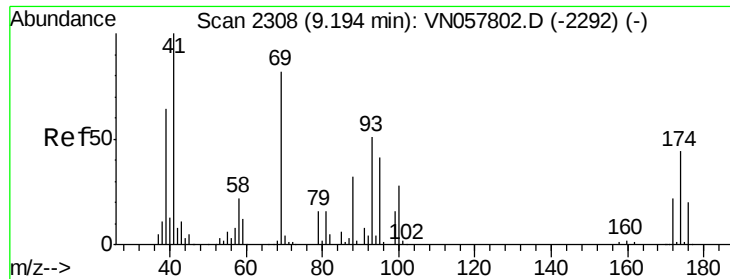
MMDadoda
 9/13/2019 5:16:19 AM



#48
 Methyl methacrylate
 Concen: 18.200 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	41	Resp	94682
Ion Ratio	100	Lower	Upper
41	100		
69	82.2	62.7	94.1
39	67.9	52.7	79.1





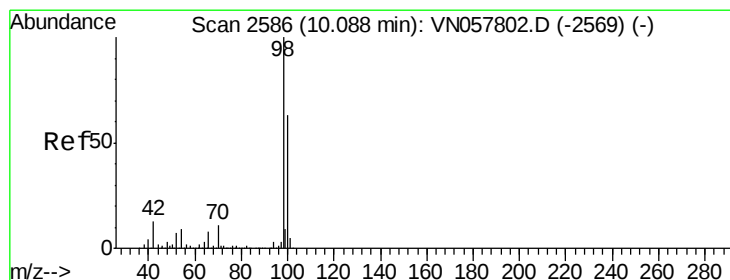
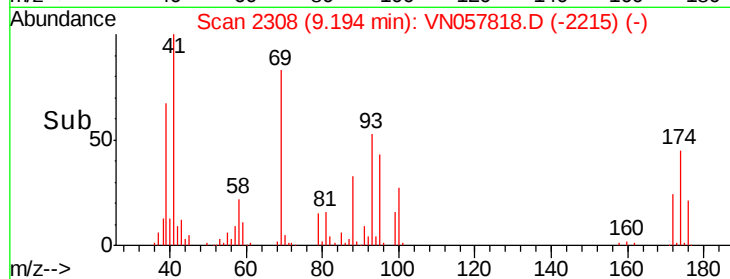
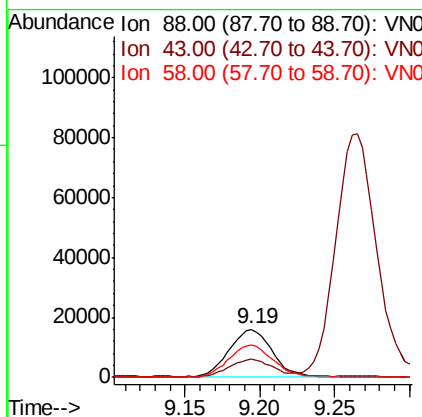
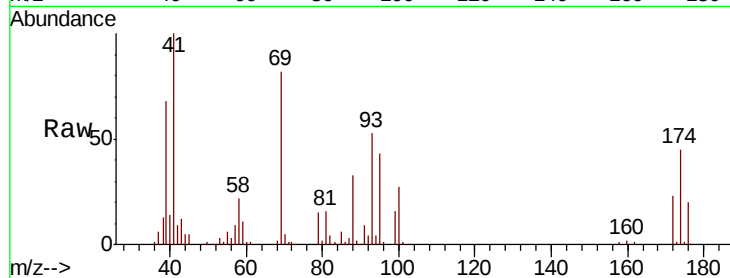
#49
 1,4-Dioxane
 Concen: 366.390 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0910WBSD01

Tot Ion	88	Resp	32233
Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.5	42.7
58	69.1	55.8	83.6

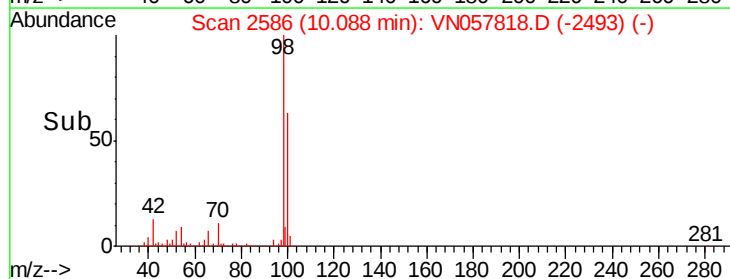
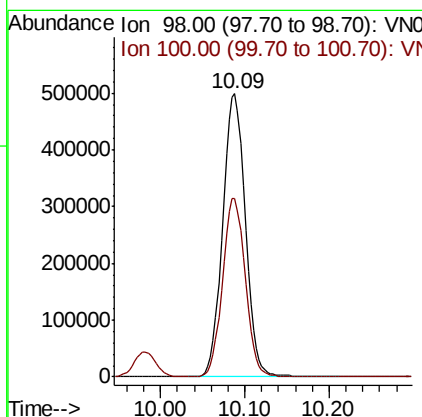
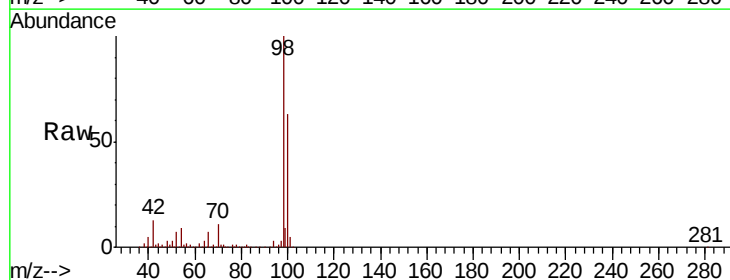
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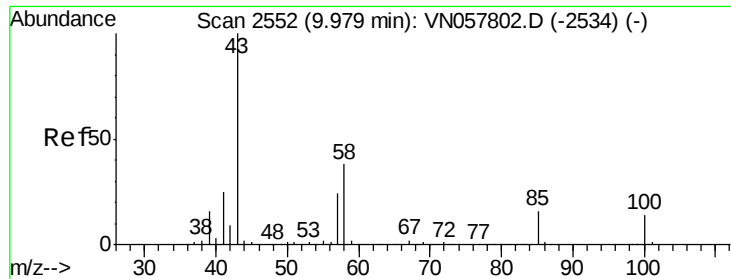
MMDadoda
 9/13/2019 5:16:19 AM



#50
 Toluene-d8
 Concen: 51.140 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	98	Resp	932683
Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 101.381 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 43 Resp: 615266

Ion Ratio Lower Upper

43 100

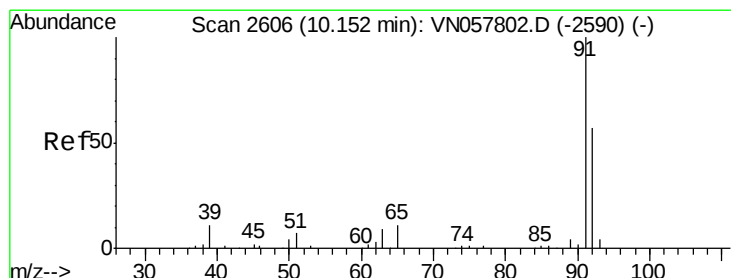
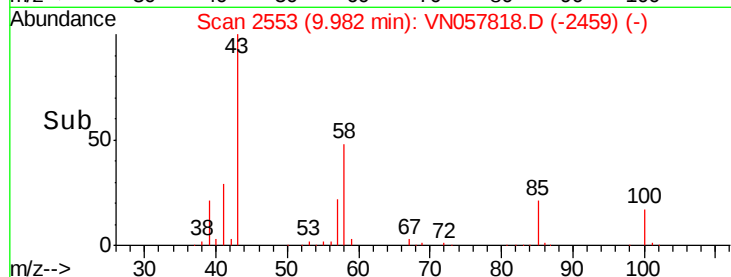
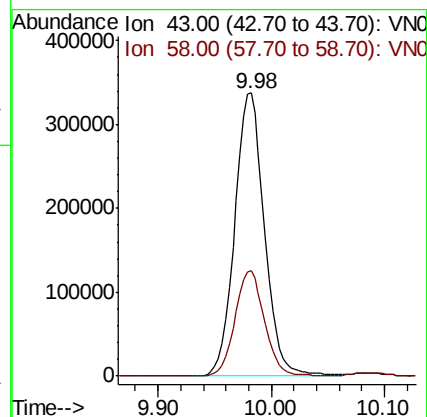
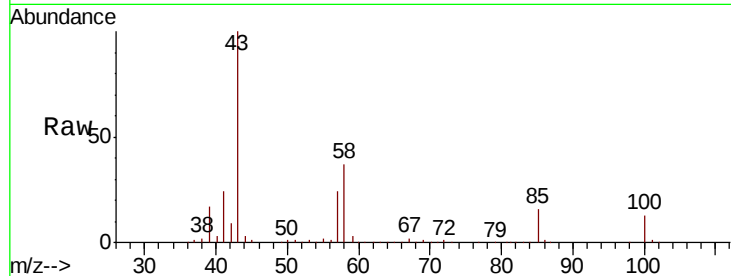
58 37.0 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 19.369 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057818.D

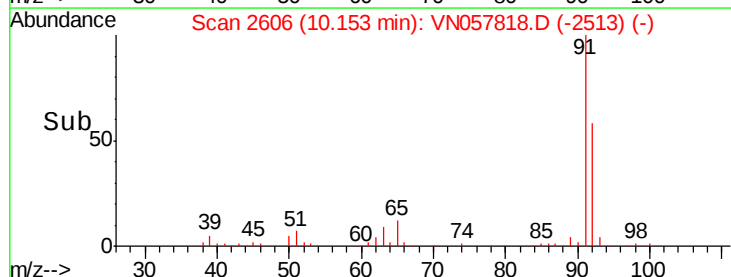
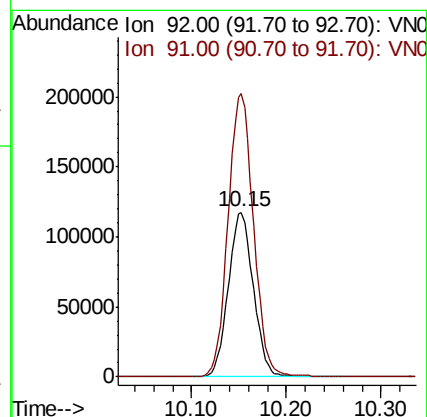
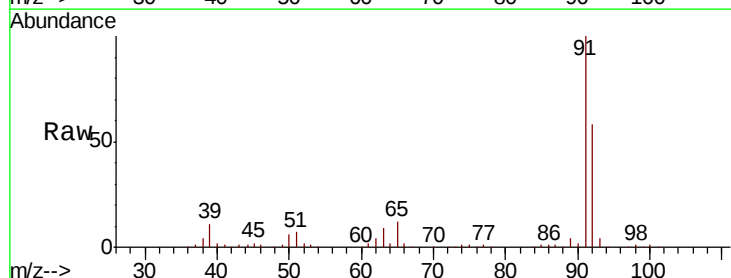
Acq: 9 Sep 2019 22:03

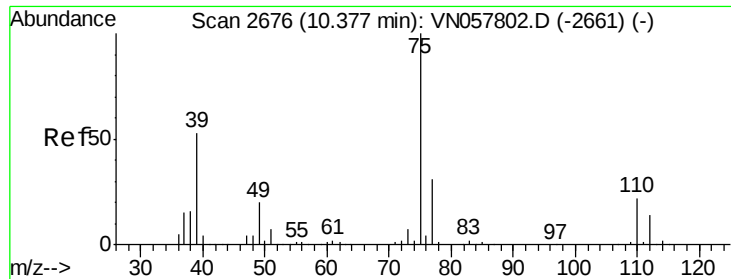
Tgt Ion: 92 Resp: 216786

Ion Ratio Lower Upper

92 100

91 174.3 141.0 211.6





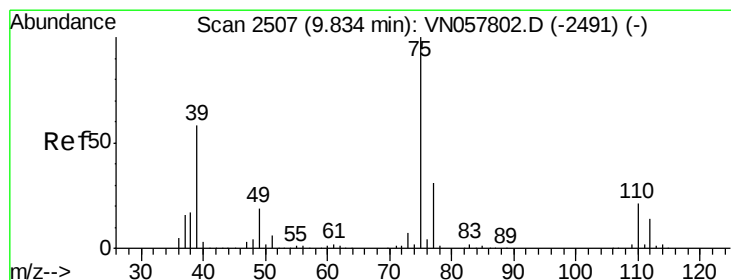
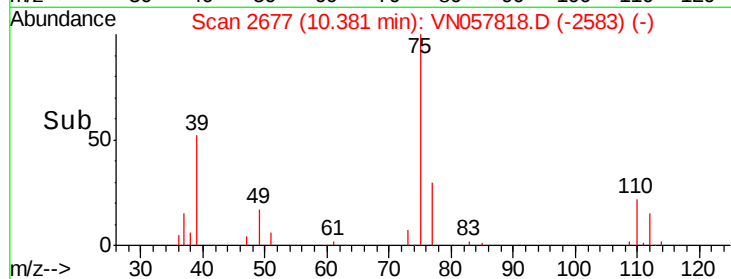
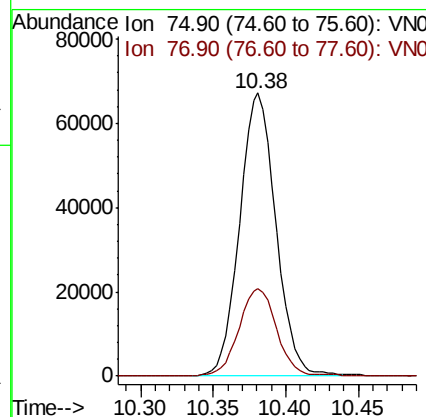
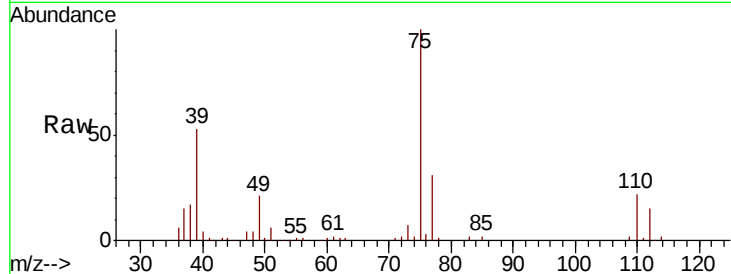
#53
t-1,3-Dichloropropene
Concen: 17.775 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion: 75 Resp: 116796
Ion Ratio Lower Upper
75 100
77 30.5 24.5 36.7

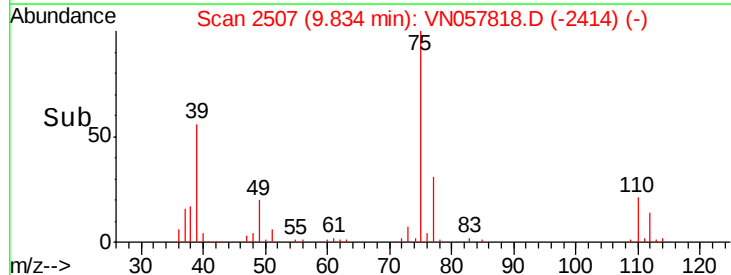
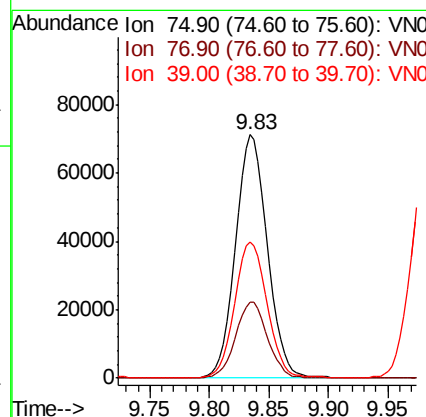
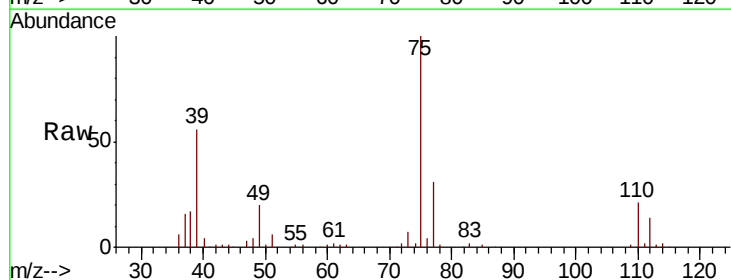
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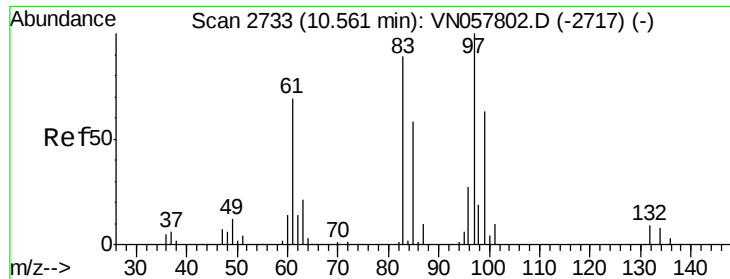
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9/13/2019 5:16:19 AM



#54
cis-1,3-Dichloropropene
Concen: 18.235 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion: 75 Resp: 132287
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 55.7 46.2 69.4





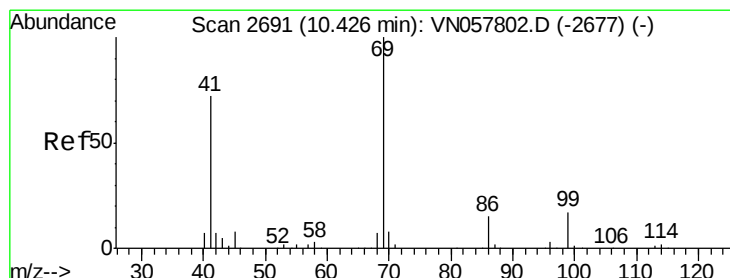
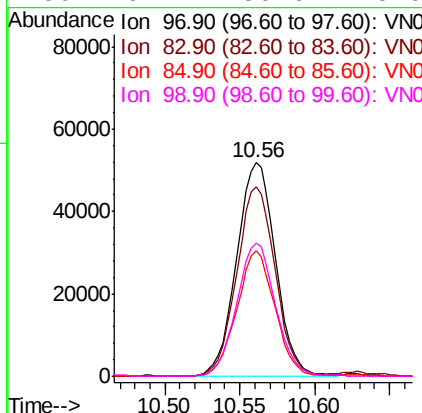
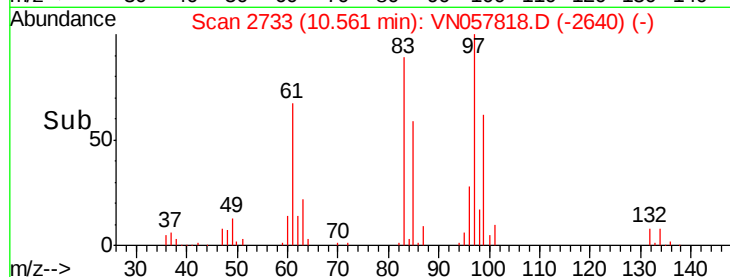
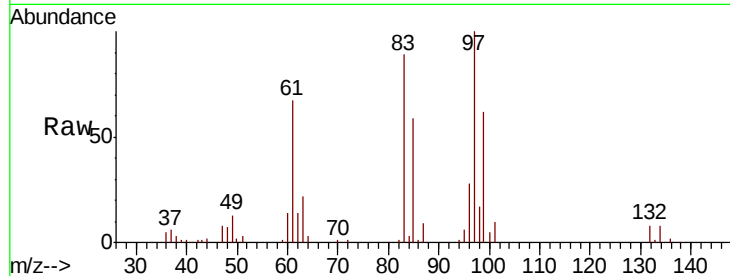
#55
 1,1,2-Trichloroethane
 Concen: 19.742 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion:	97	Resp:	93598
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	58.7	46.0	69.0
99	62.4	50.6	76.0

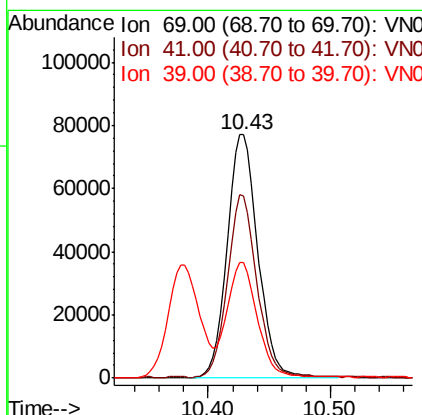
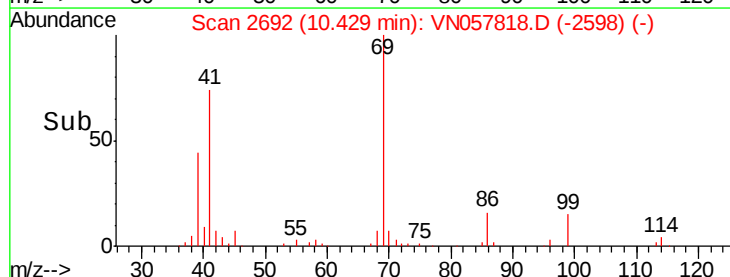
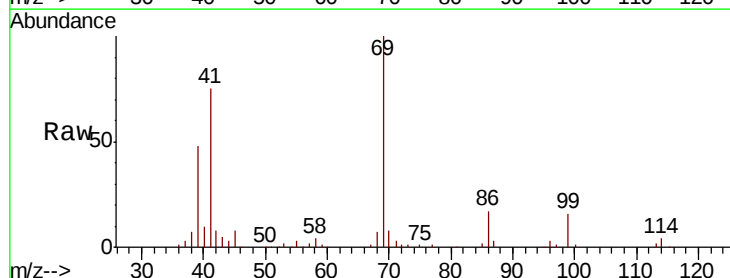
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#56
 Ethyl methacrylate
 Concen: 19.069 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion:	69	Resp:	136140
Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.7	85.1
39	46.9	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.689 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 76 Resp: 160870

Ion Ratio Lower Upper

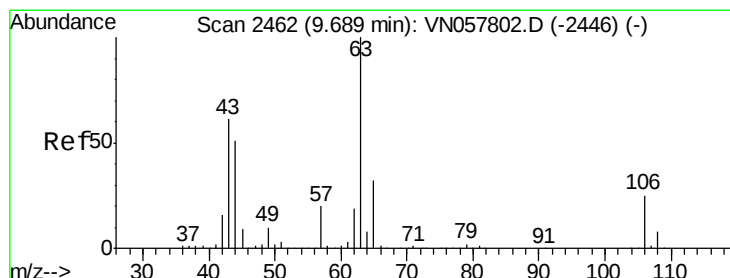
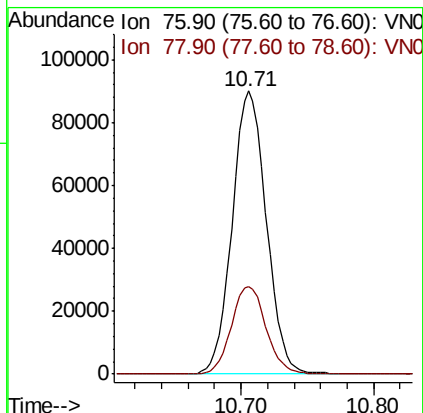
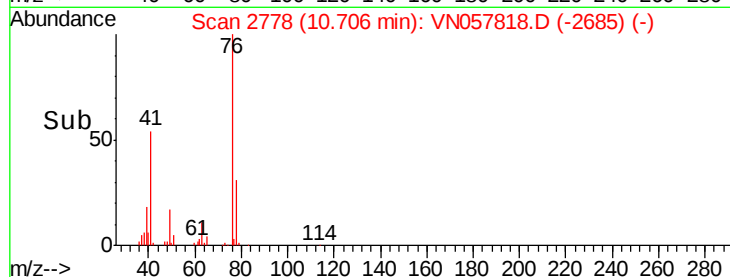
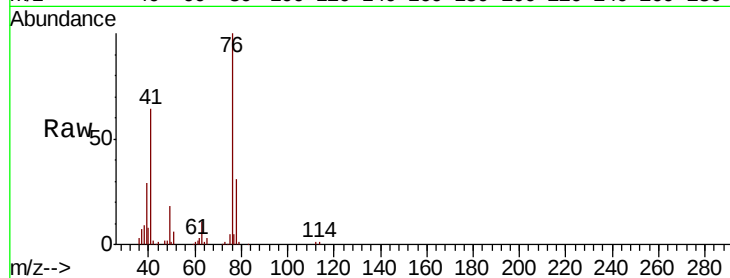
76 100

78 31.4 25.4 38.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 99.107 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057818.D

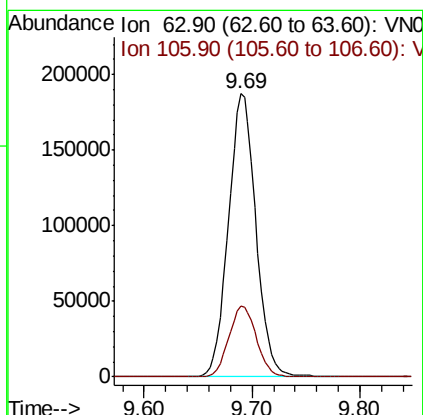
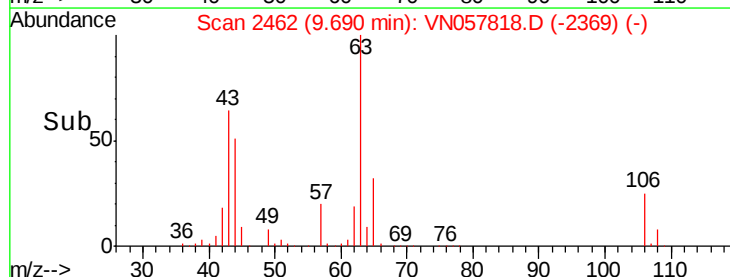
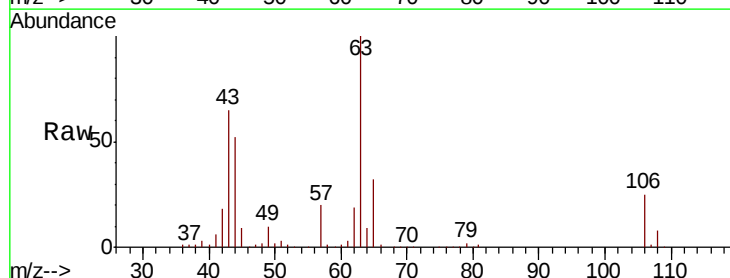
Acq: 9 Sep 2019 22:03

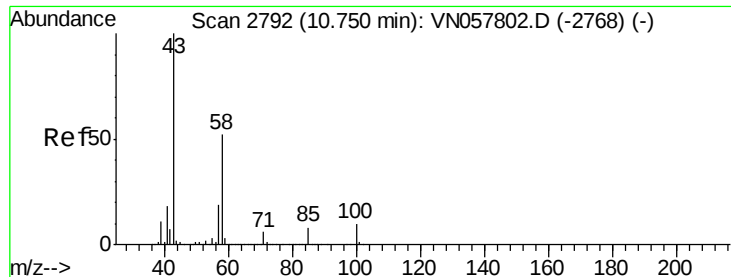
Tgt Ion: 63 Resp: 333258

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0





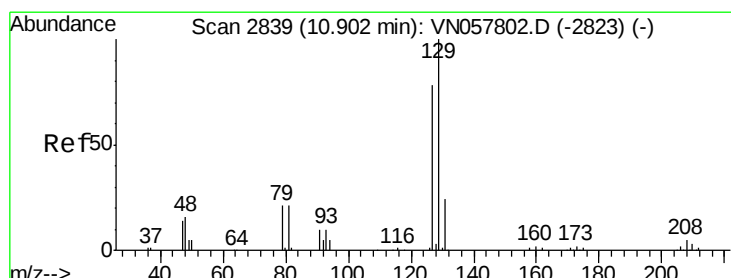
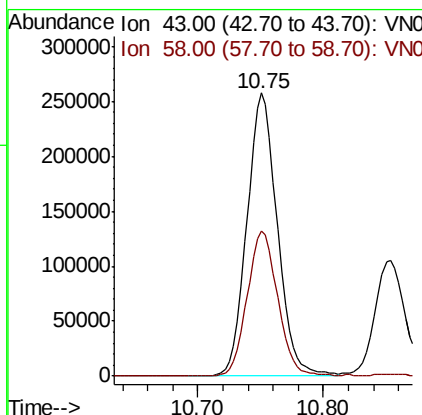
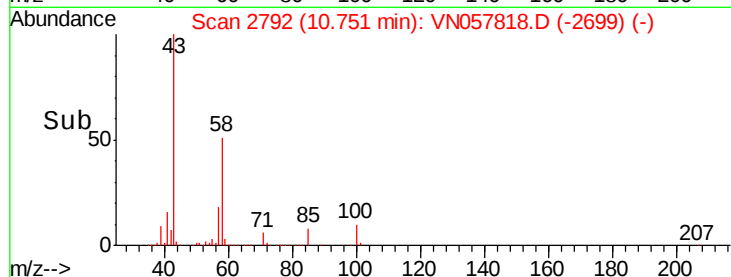
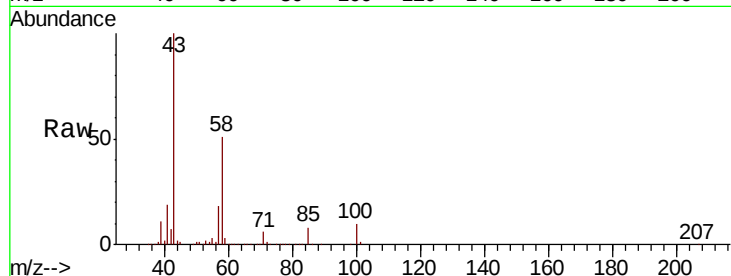
#59
2-Hexanone
Concen: 95.630 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion: 43 Resp: 435008
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.8

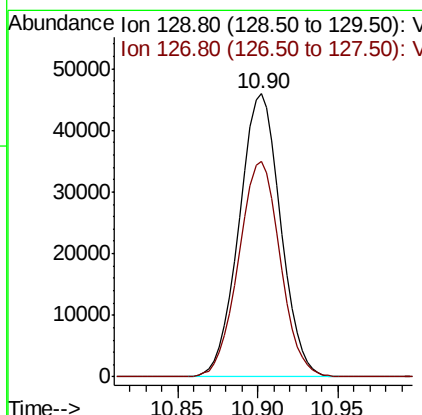
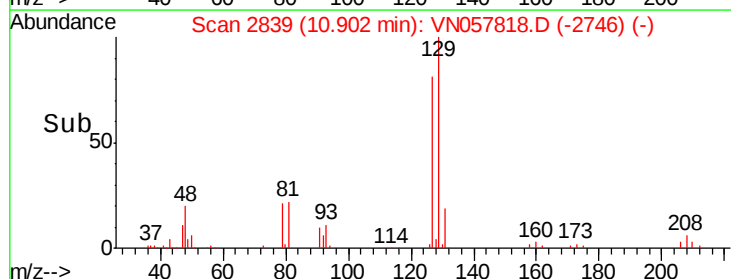
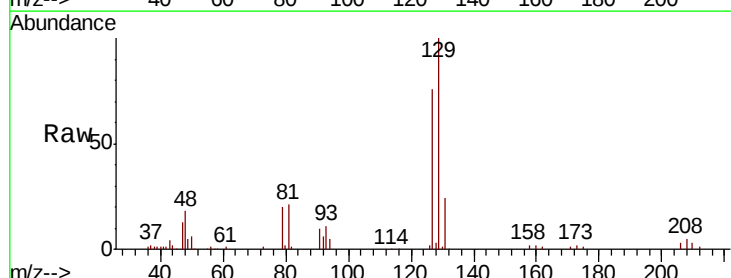
Manual Integrations
APPROVED

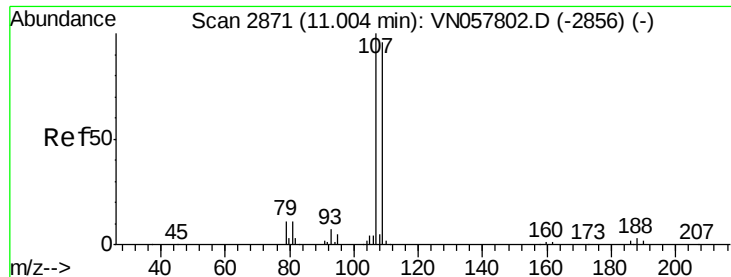
MMDadoda
9/13/2019 5:16:19 AM



#60
Dibromochloromethane
Concen: 18.432 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion: 129 Resp: 81148
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.125 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampled :

VN0910WBSD01

Tot Ion: 107 Resp: 85722

Ion Ratio Lower Upper

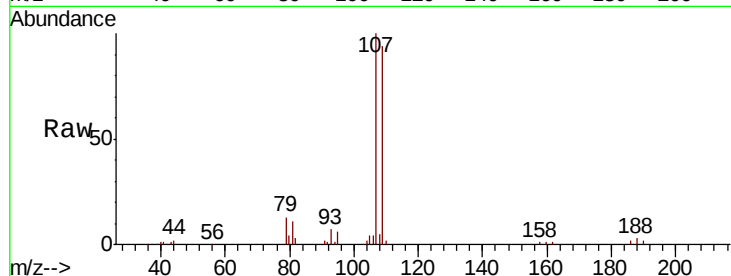
107 100

109 96.1 75.3 112.9

Manual Integrations
APPROVED

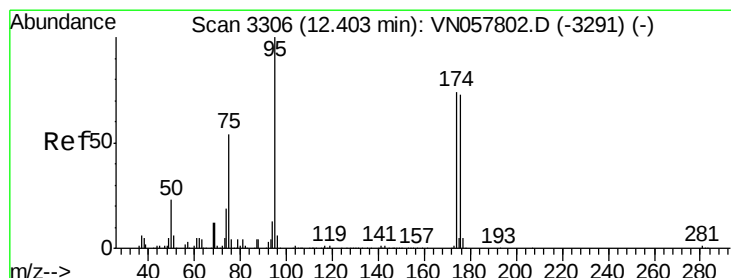
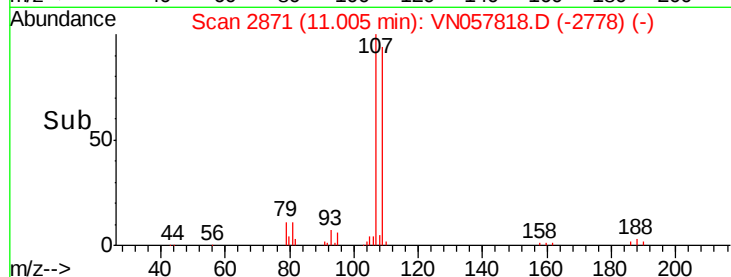
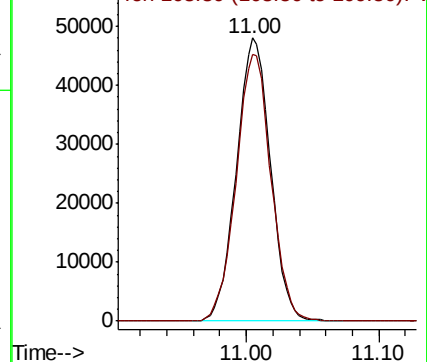
MMDadoda

9/13/2019 5:16:19 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.792 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

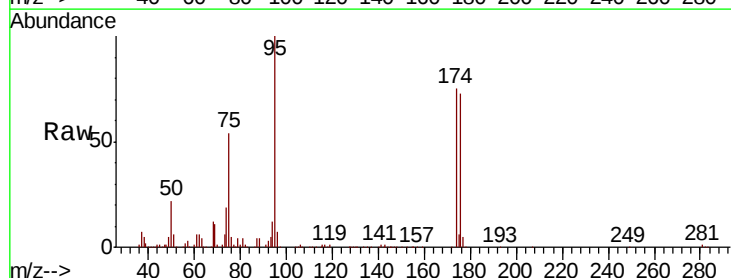
Tgt Ion: 95 Resp: 318266

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

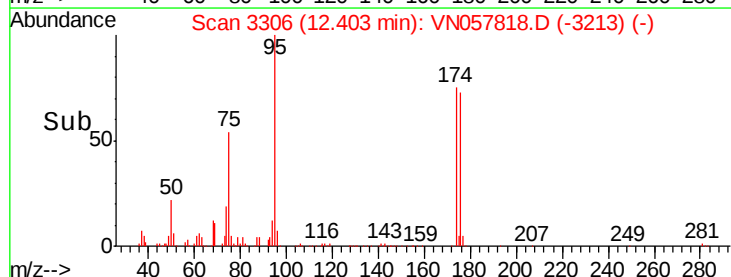
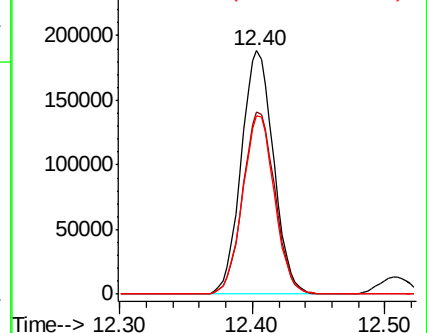
176 72.7 0.0 146.0

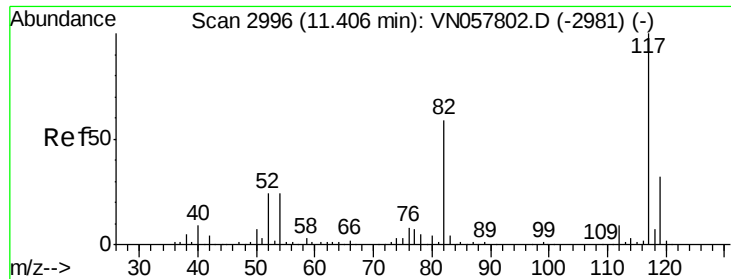


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





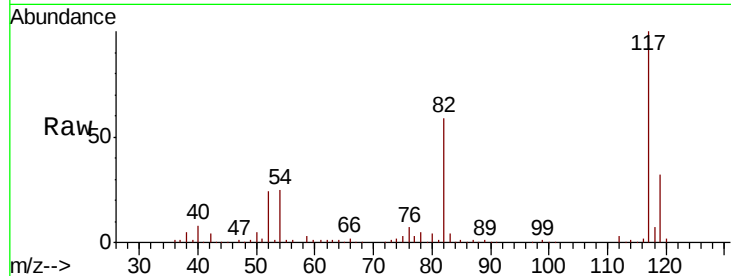
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.2	70.8
119	32.3	25.3	37.9

Manual Integrations
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MMDadoda
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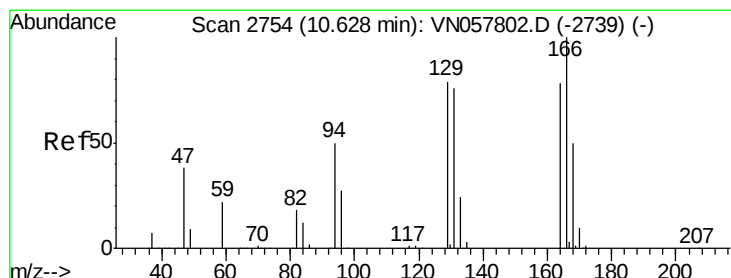
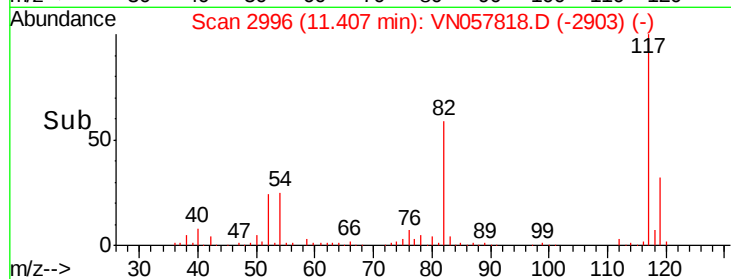
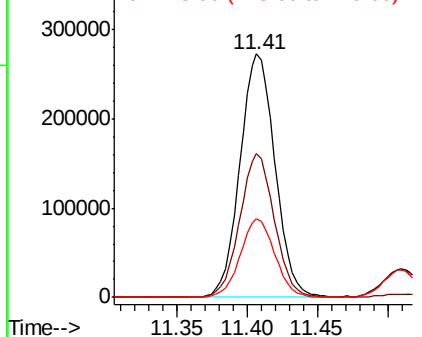


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.413 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.2	153.2
129	96.7	80.8	121.2
131	91.5	77.4	116.2

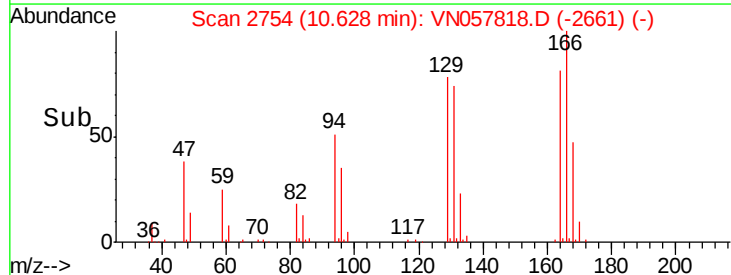
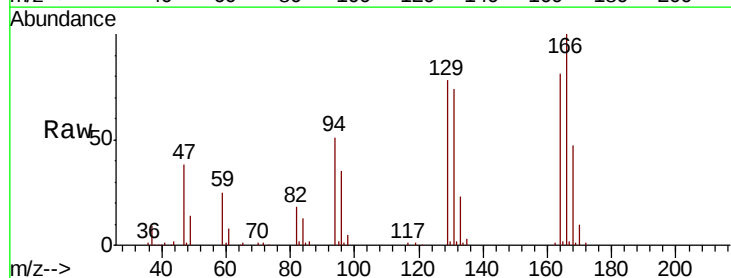
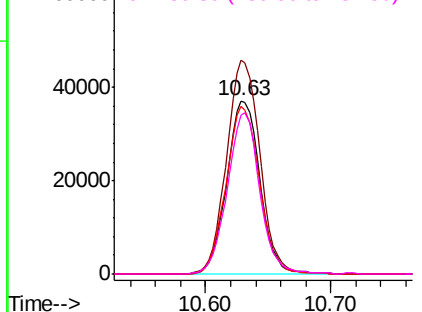
Abundance

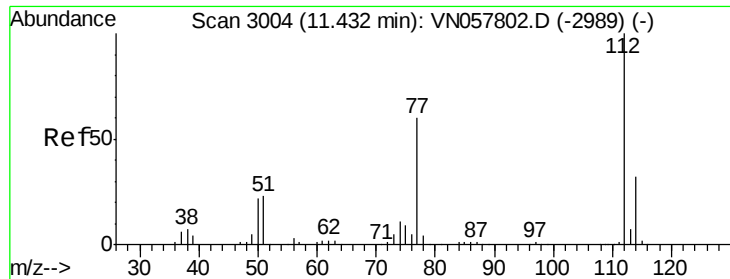
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





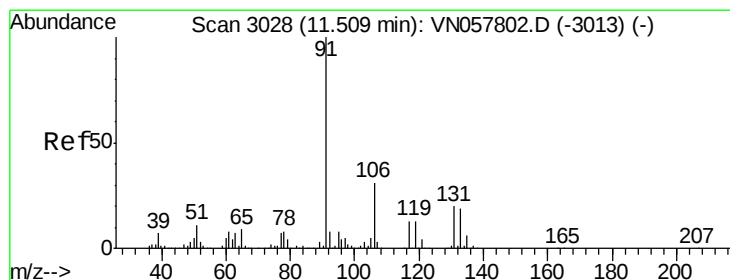
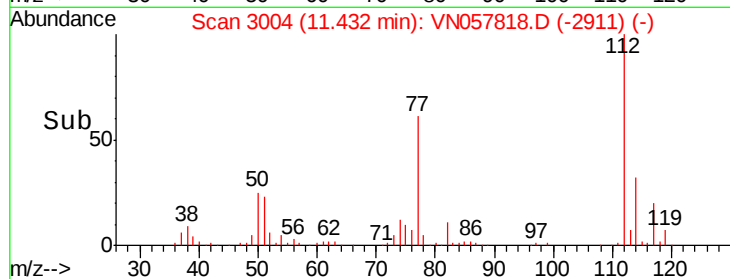
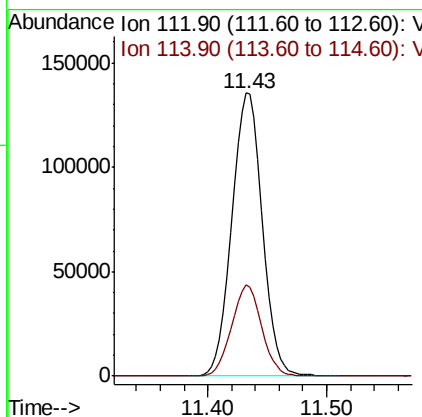
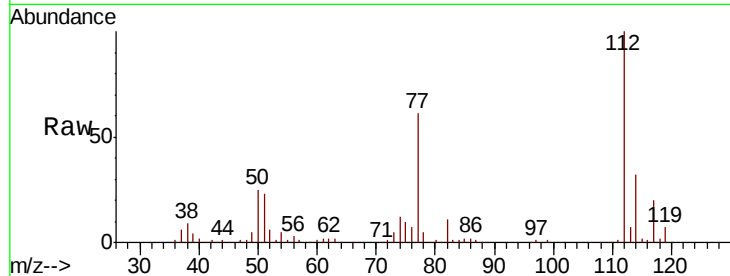
#65
Chlorobenzene
Concen: 19.343 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion:112 Resp: 240476
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

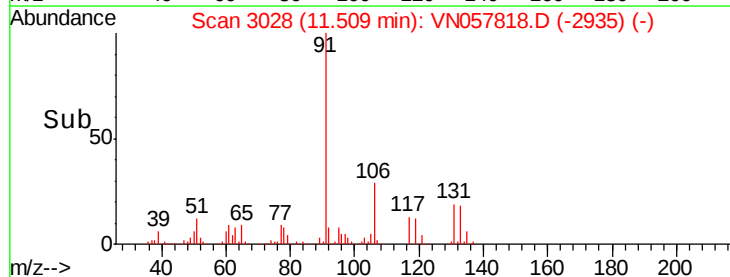
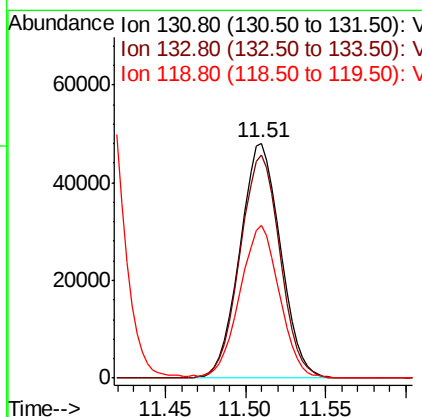
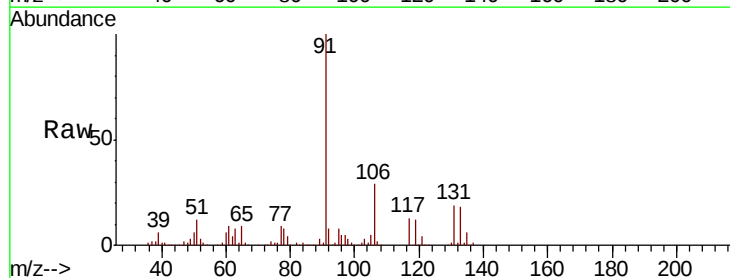
Manual Integrations
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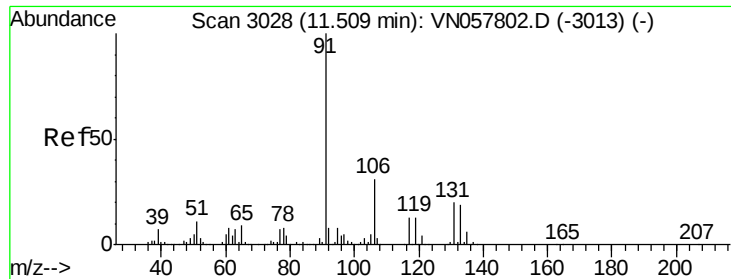
MMDadoda
9/13/2019 5:16:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.303 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion:131 Resp: 83267
Ion Ratio Lower Upper
131 100
133 94.0 47.1 141.3
119 63.9 33.3 99.8





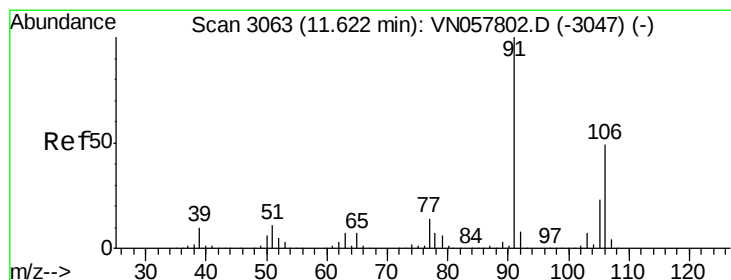
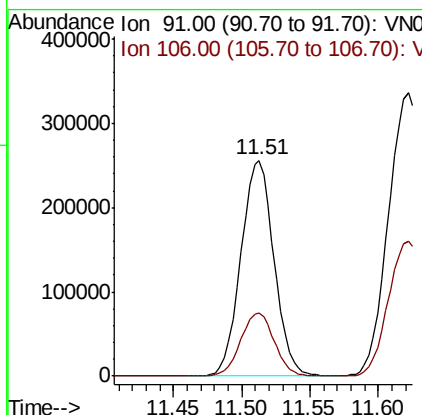
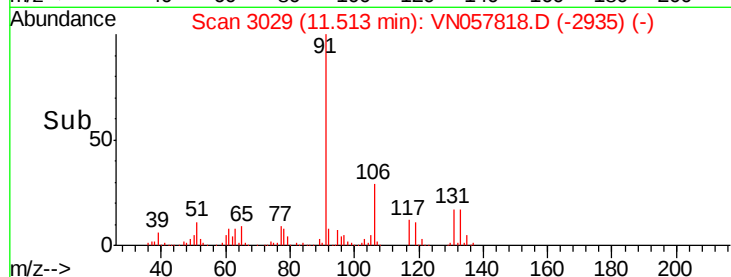
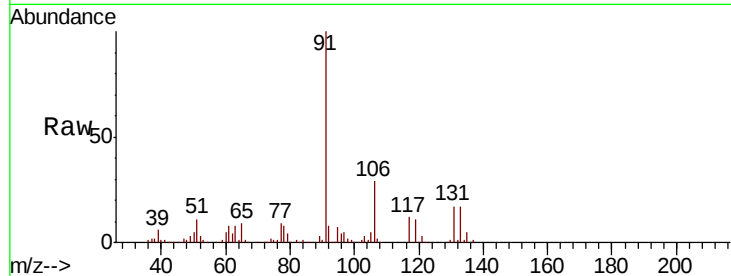
#67
Ethyl Benzene
Concen: 19.760 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion: 91 Resp: 430525
Ion Ratio Lower Upper
91 100
106 29.2 24.4 36.6

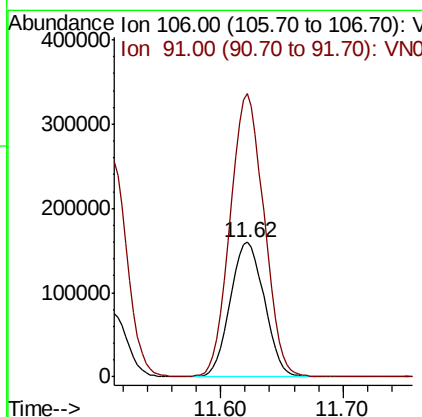
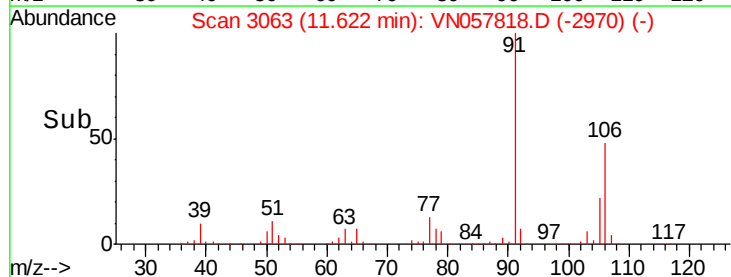
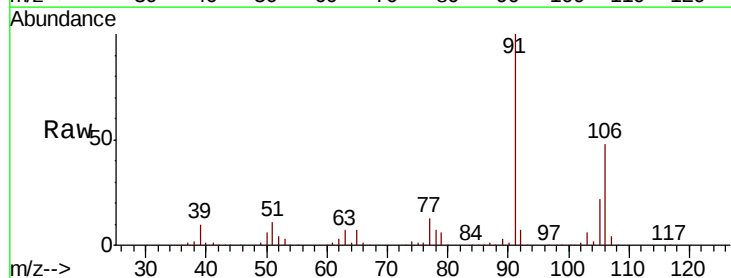
Manual Integrations
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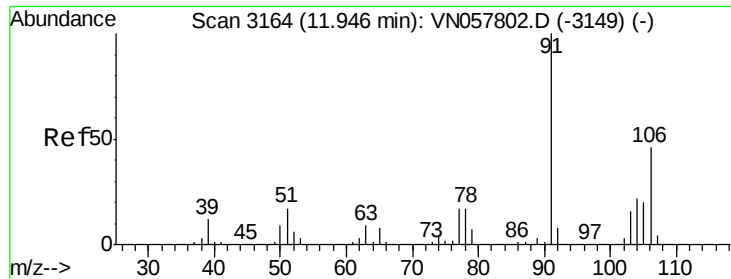
MMDadoda
9/13/2019 5:16:19 AM



#68
m/p-Xylenes
Concen: 39.072 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion: 106 Resp: 311820
Ion Ratio Lower Upper
106 100
91 208.0 165.8 248.6





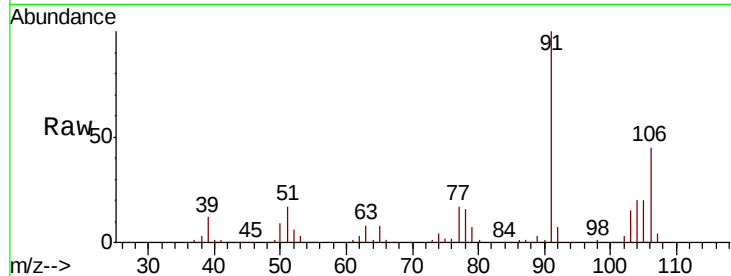
#69
o-Xylene
Concen: 19.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

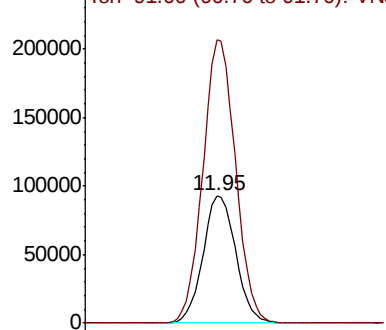
Tot Ion:106 Resp: 155366
Ion Ratio Lower Upper
106 100
91 221.3 108.7 326.1

Manual Integrations
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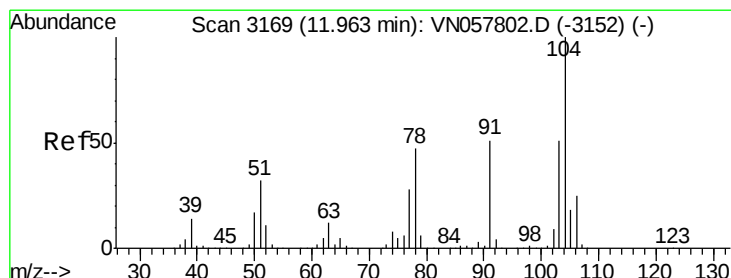
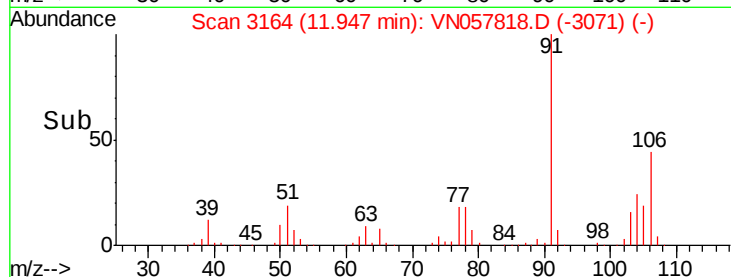
MMDadoda
9/13/2019 5:16:19 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

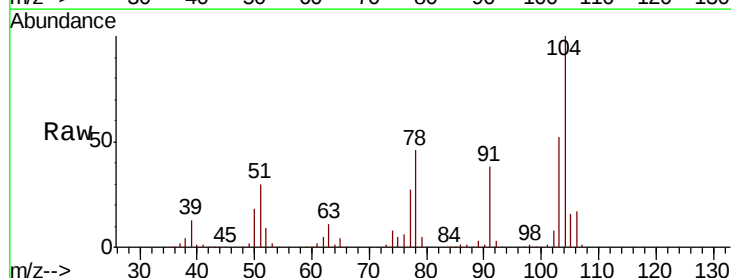


Time--> 11.90 11.95 12.00 12.05

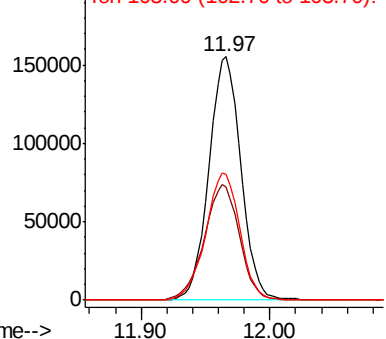


#70
Styrene
Concen: 19.602 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

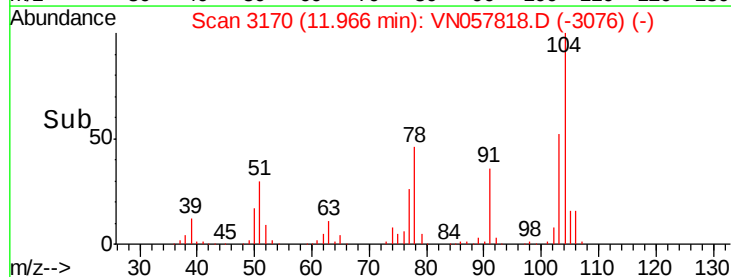
Tgt Ion:104 Resp: 267647
Ion Ratio Lower Upper
104 100
78 52.5 41.3 61.9
103 55.6 43.7 65.5

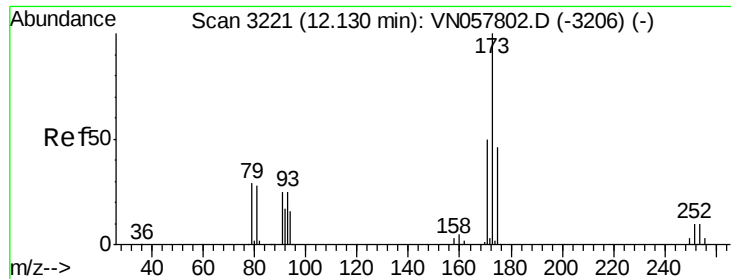


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 11.90 12.00





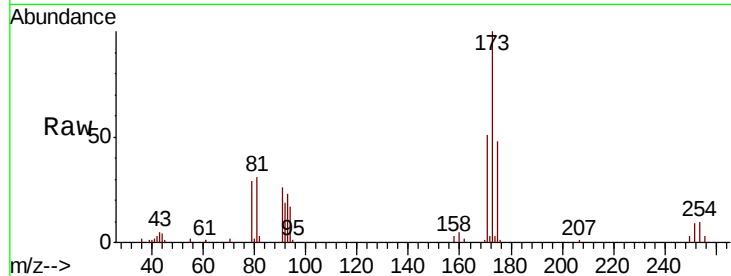
#71
Bromoform
Concen: 17.532 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampled :
VN0910WBSD01

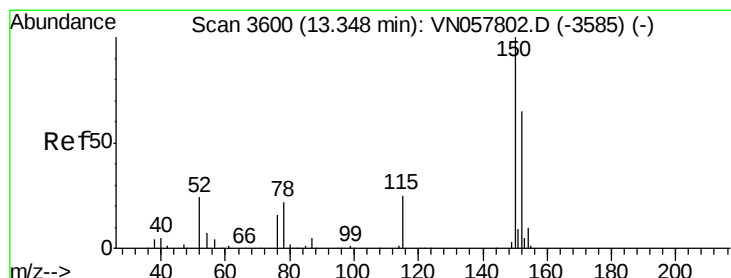
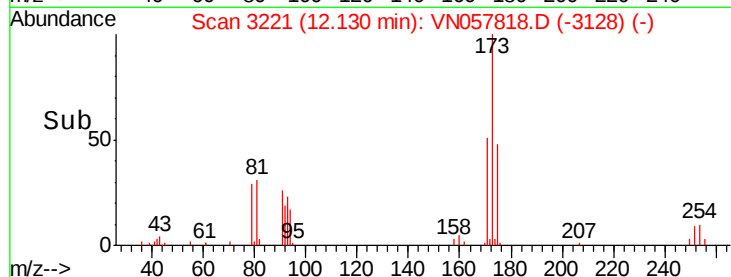
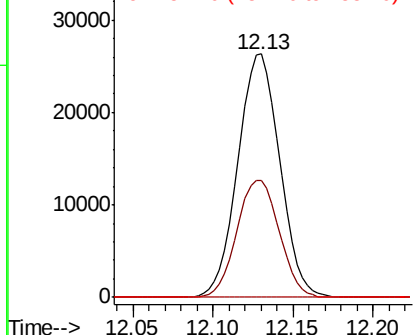
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.5	70.6
254	0.0	0.1	0.1#

Manual Integrations
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9/13/2019 5:16:19 AM

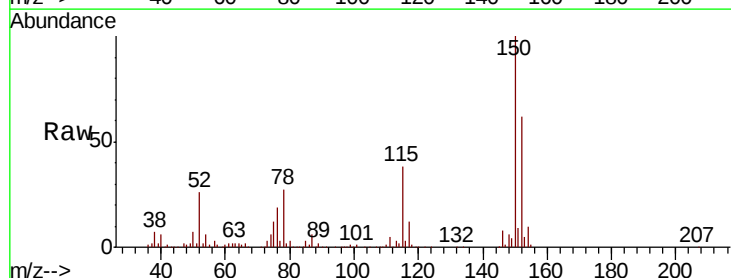


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

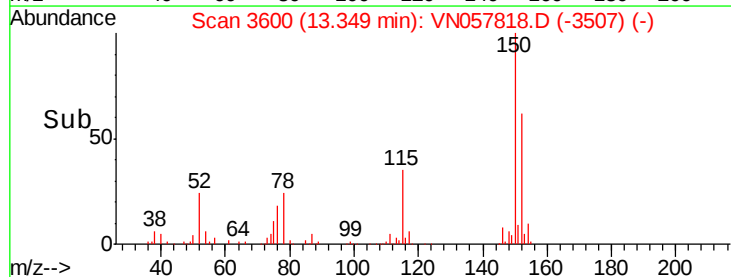
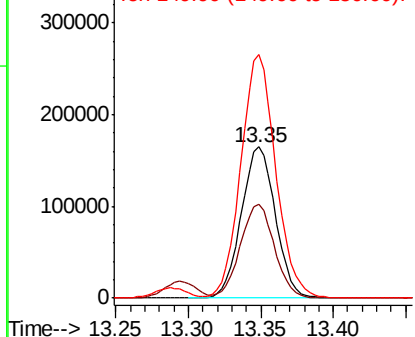


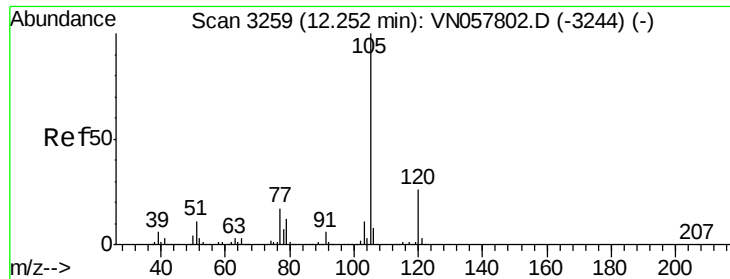
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.3	91.0
150	164.7	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: 20.602 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 105 Resp: 431417

Ion Ratio Lower Upper

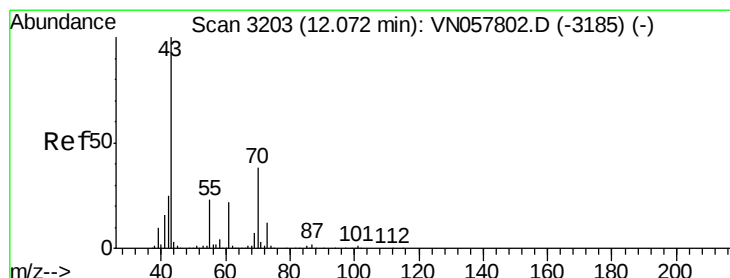
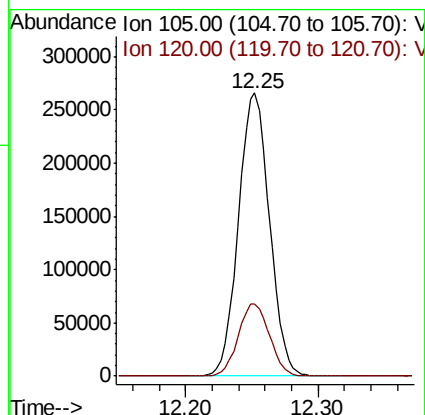
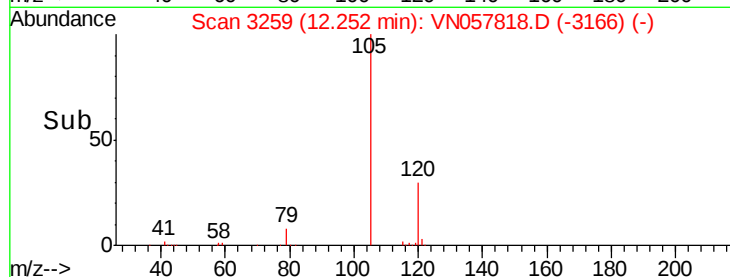
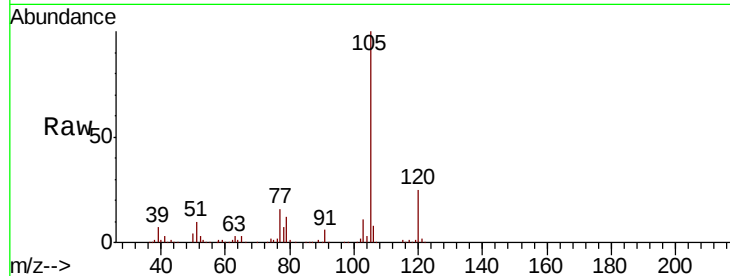
105 100

120 25.8 12.8 38.4

Manual Integrations
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9/13/2019 5:16:19 AM



#74

N-ethyl acetate

Concen: 19.486 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion: 43 Resp: 177575

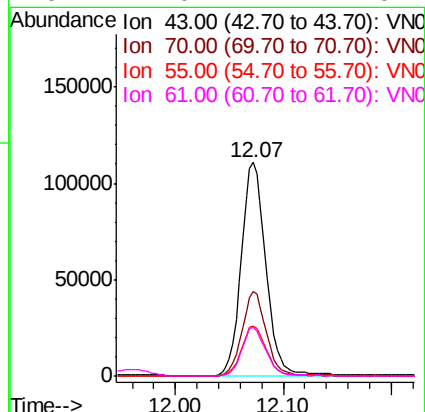
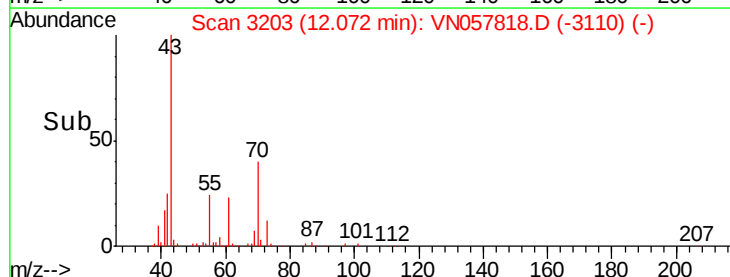
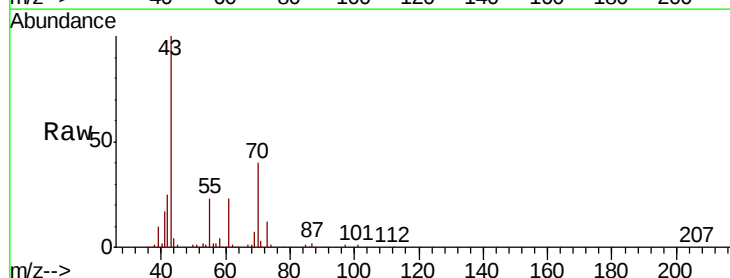
Ion Ratio Lower Upper

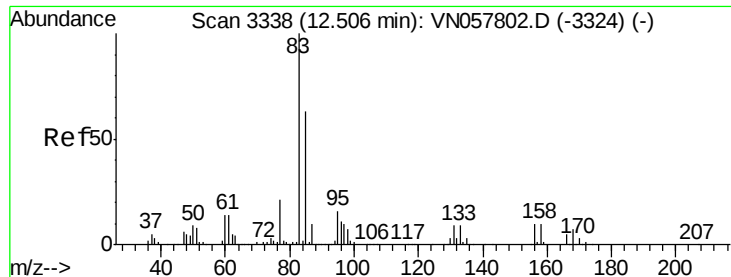
43 100

70 38.7 30.6 45.8

55 23.4 18.6 27.8

61 22.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.918 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

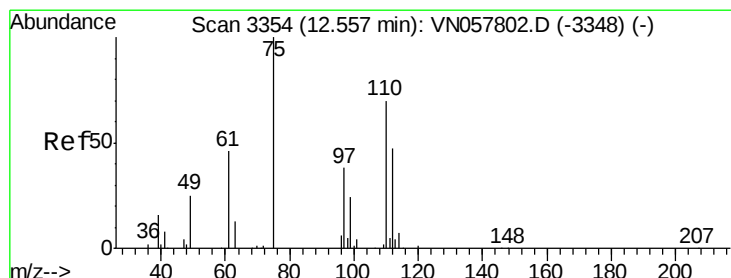
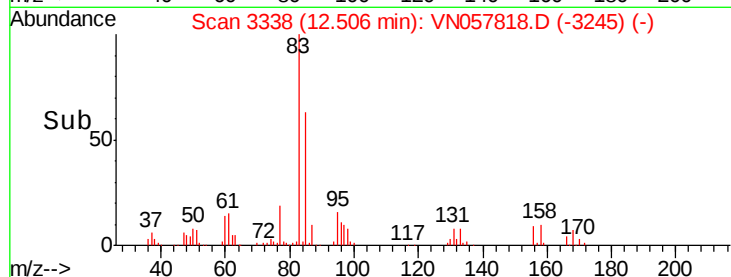
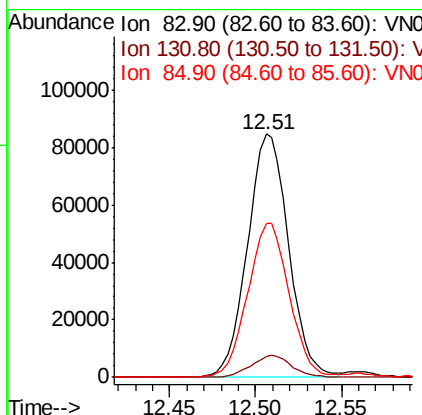
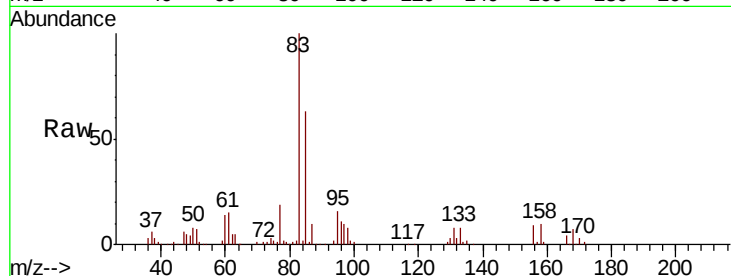
ClientSampleId :

VN0910WBSD01

Tot Ion:	83	Resp:	140434
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.3
85	64.0	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.713 ug/l m

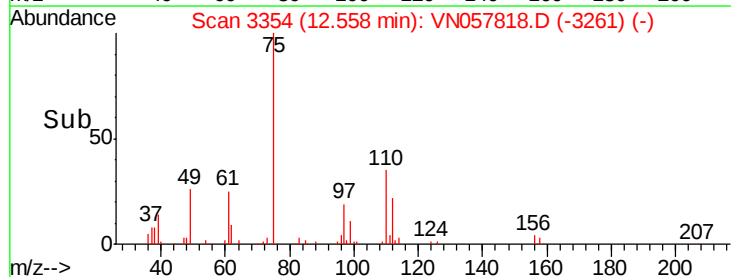
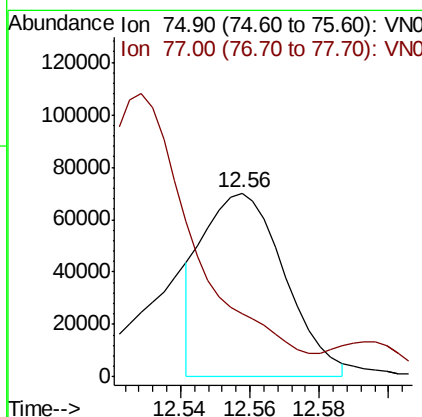
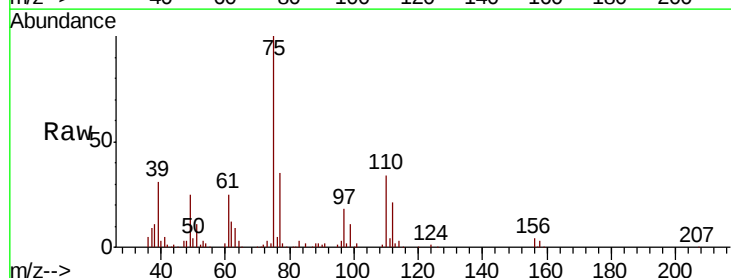
RT: 12.56 min Scan# 3354

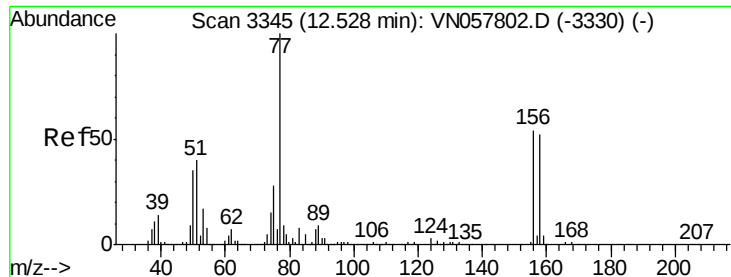
Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	75	Resp:	114233
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.244 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

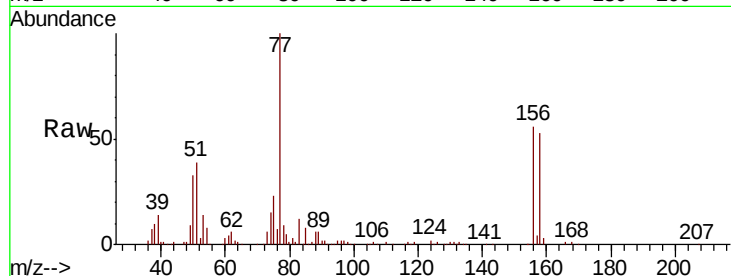
ClientSampleId :

VN0910WBSD01

Tot Ion:	156	Resp:	100469
Ion Ratio	Lower	Upper	
156	100		
77	216.7	113.7	341.1
158	98.1	48.5	145.6

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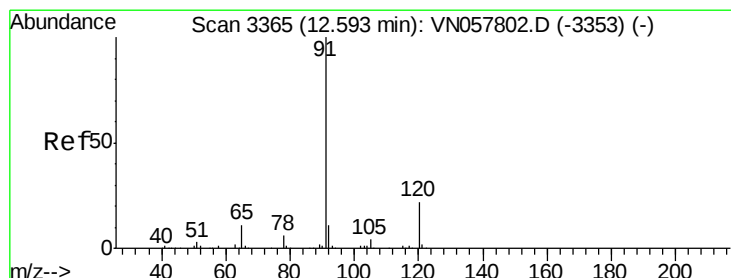
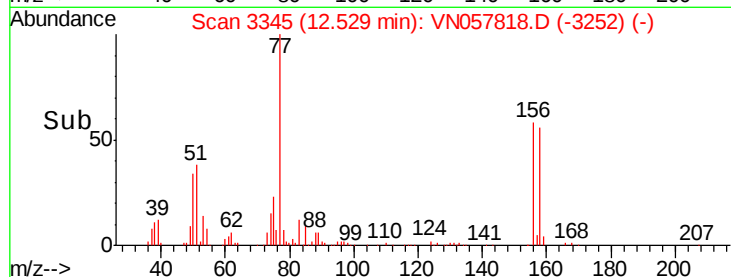
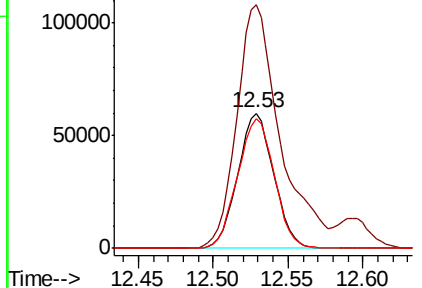
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.638 ug/l

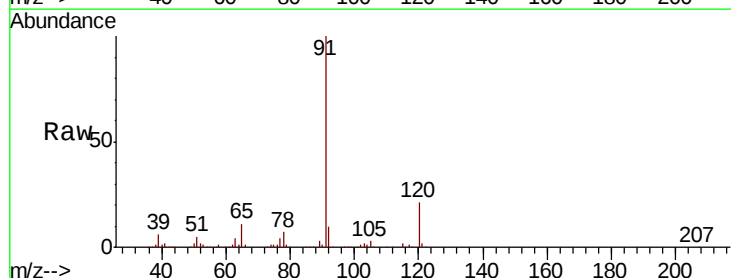
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057818.D

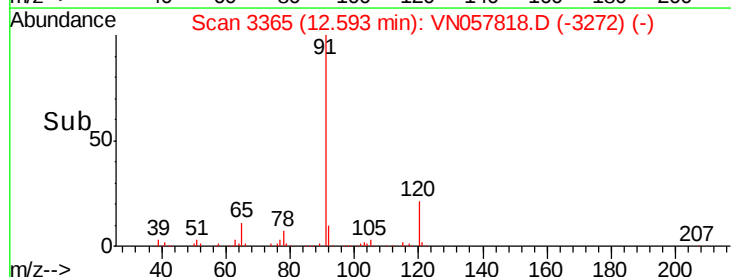
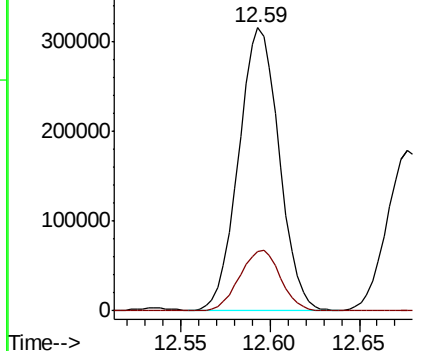
Acq: 9 Sep 2019 22:03

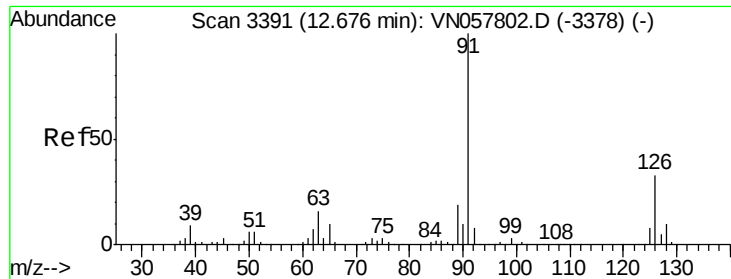
Tgt Ion:	91	Resp:	496253
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





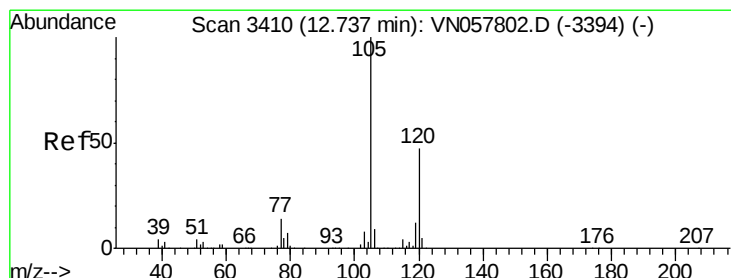
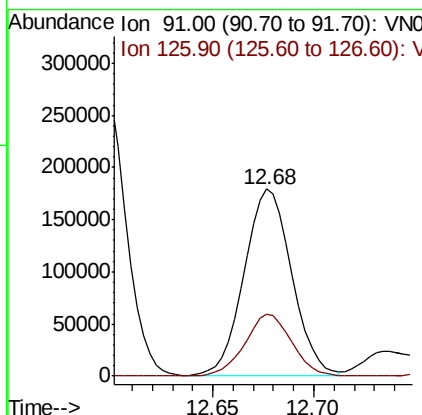
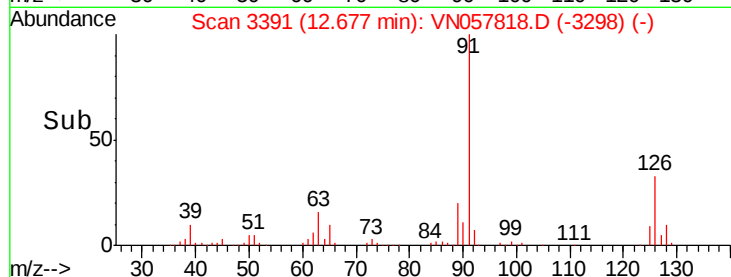
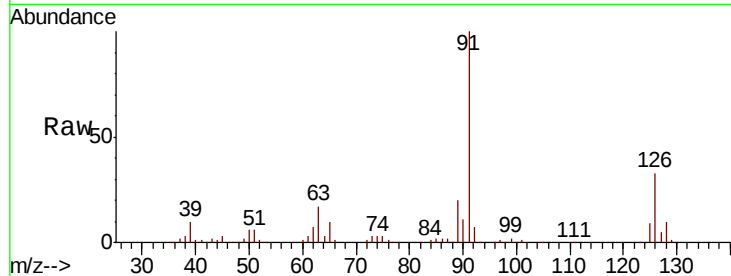
#79
 2-Chlorotoluene
 Concen: 19.394 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion: 91 Resp: 294742
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.4 49.2

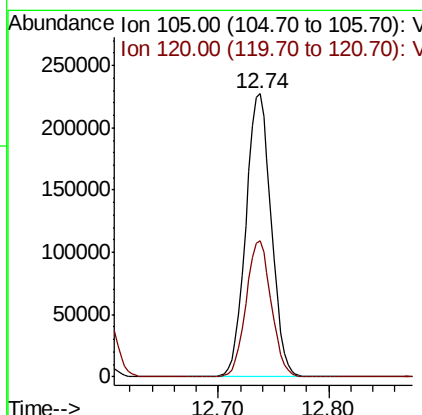
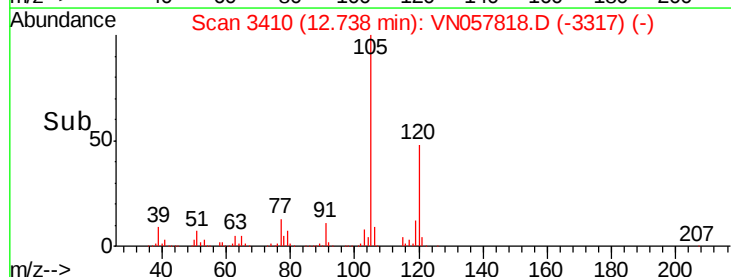
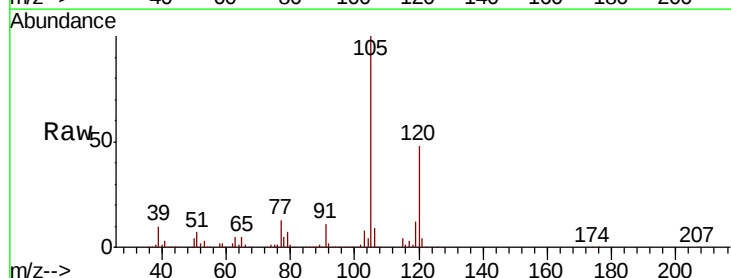
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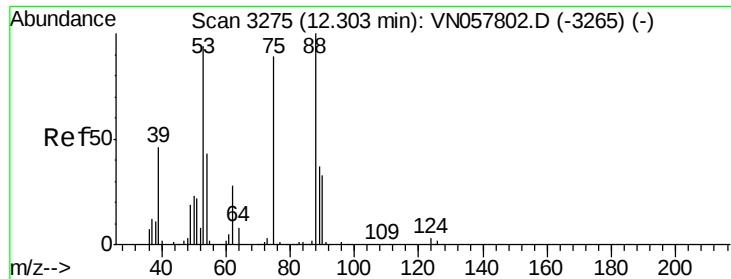
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.364 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion: 105 Resp: 360304
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.590 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

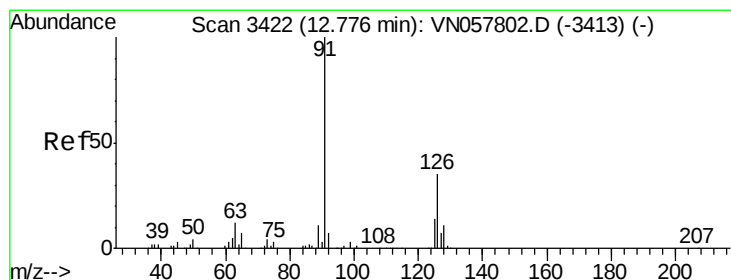
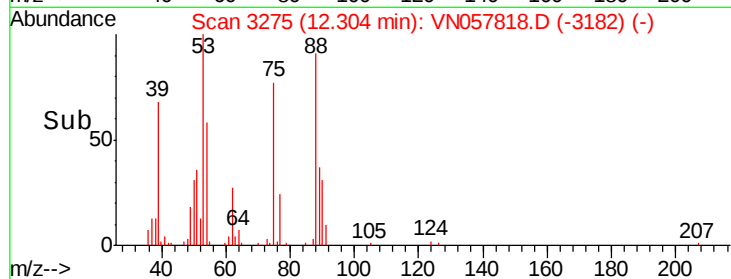
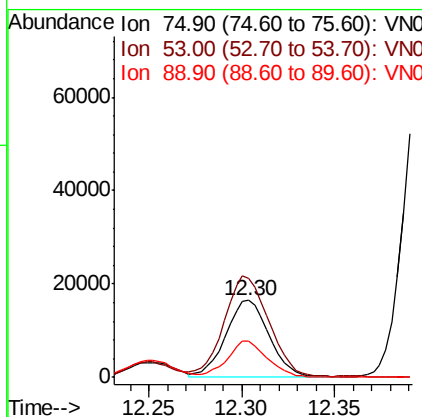
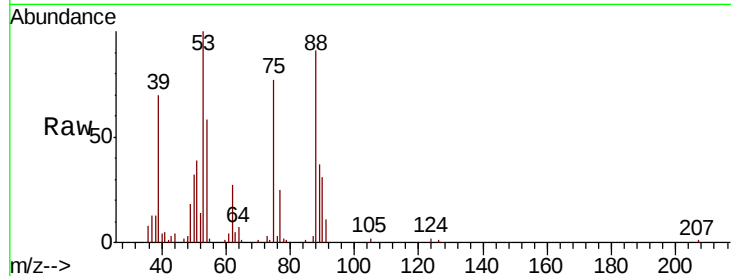
ClientSampled :

VN0910WBSD01

Tot Ion:	75	Resp:	27045
Ion Ratio	Lower	Upper	
75	100		
53	132.1	88.4	132.6
89	41.8	35.3	52.9

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#82

4-Chlorotoluene

Concen: 19.540 ug/l

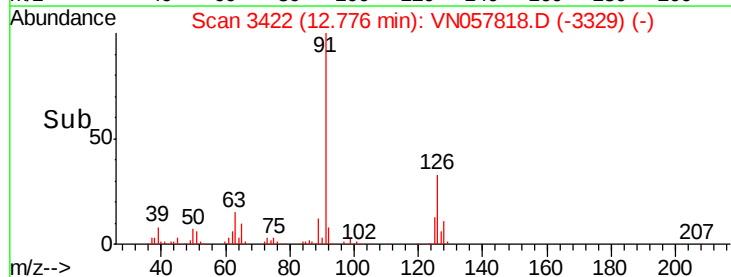
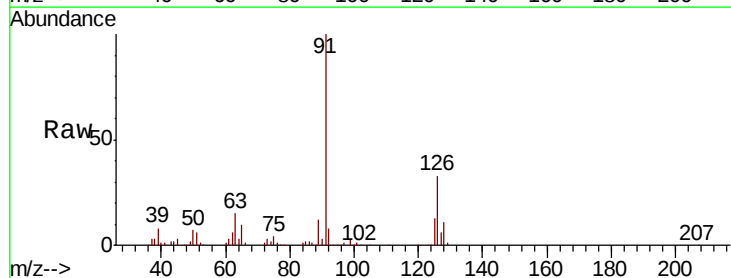
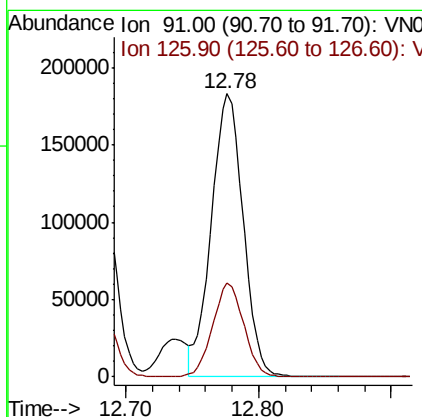
RT: 12.78 min Scan# 3422

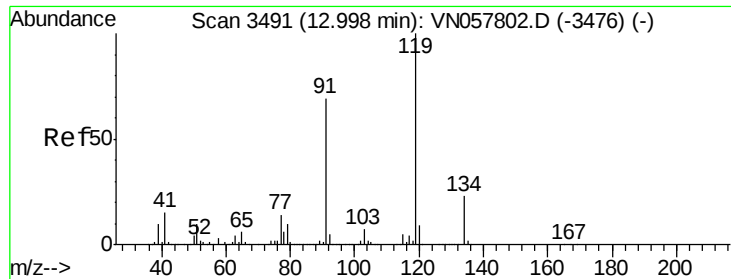
Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	91	Resp:	304952
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.0	48.0





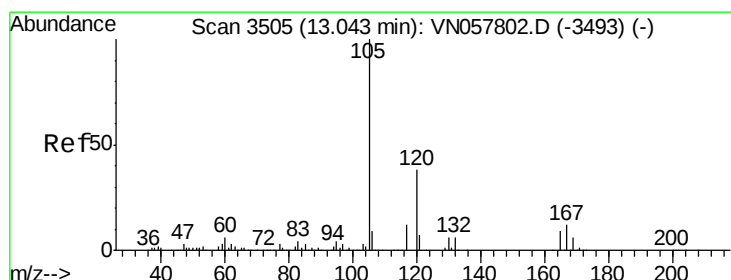
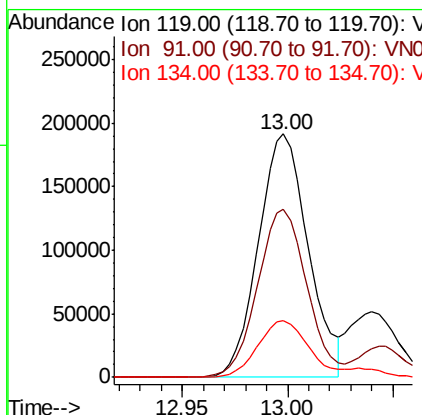
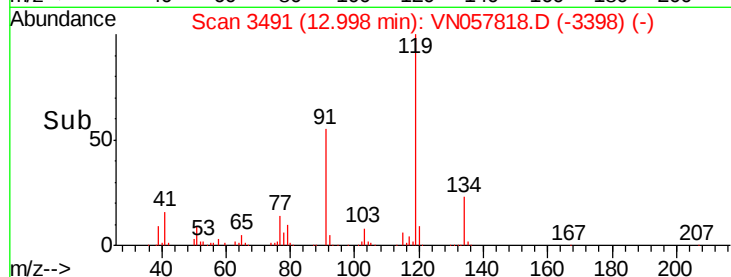
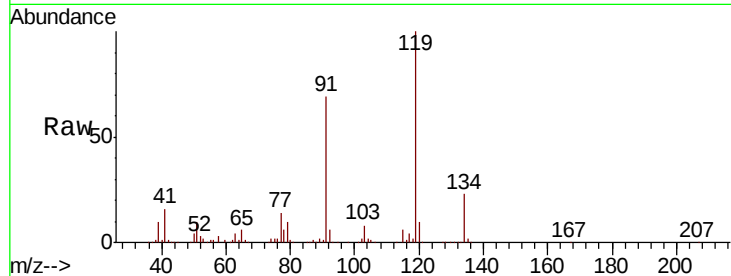
#83
 tert-Butylbenzene
 Concen: 20.077 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315767		
91	68.1	33.6	100.8	
134	23.8	11.7	35.0	

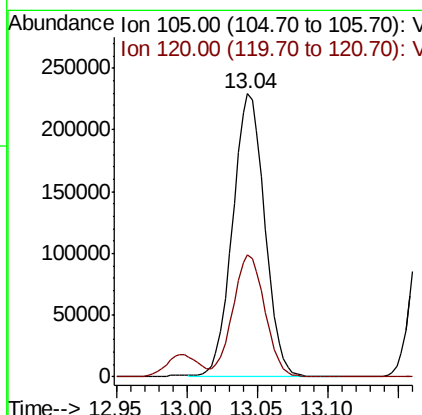
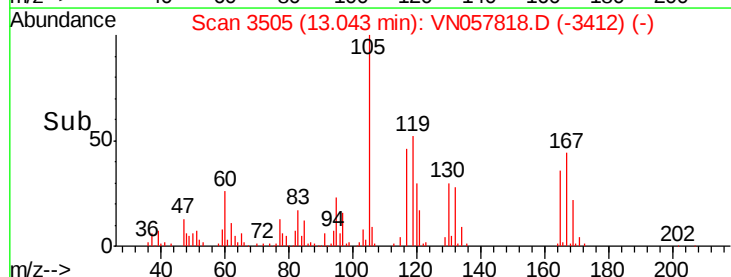
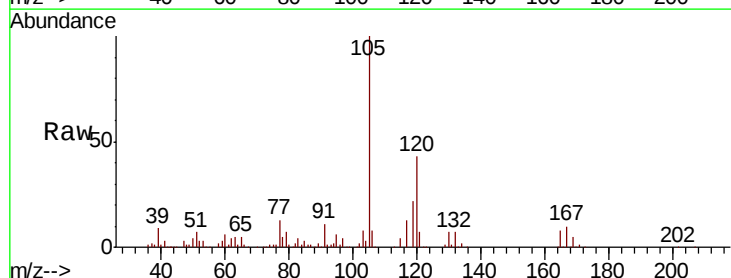
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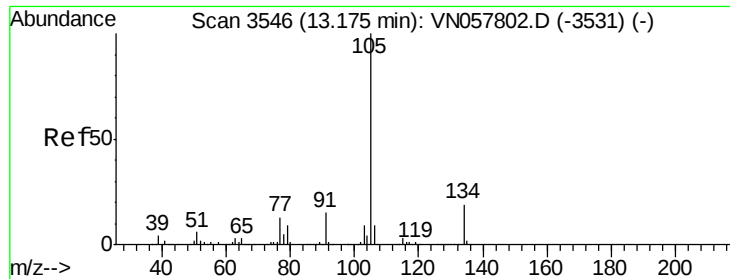
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.240 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363972		
120	43.3	22.4	67.2	





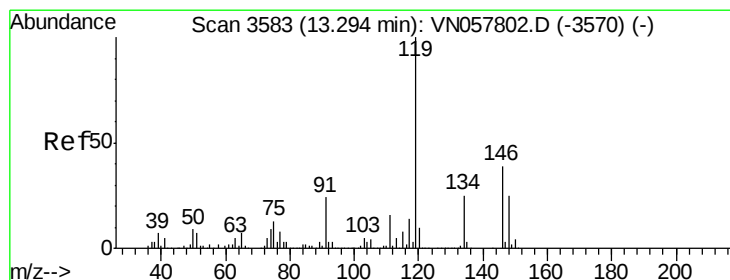
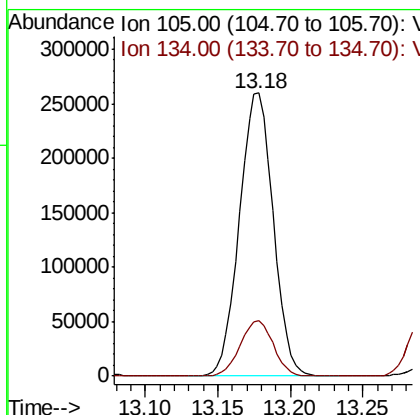
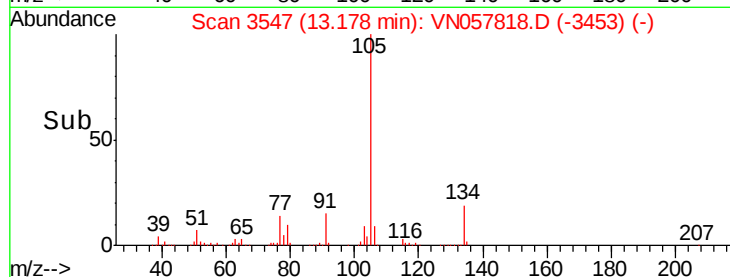
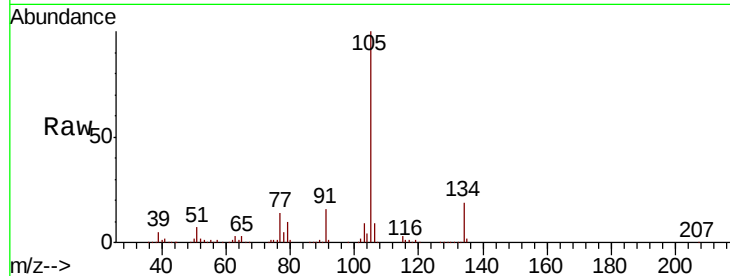
#85
 sec-Butylbenzene
 Concen: 20.141 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.6

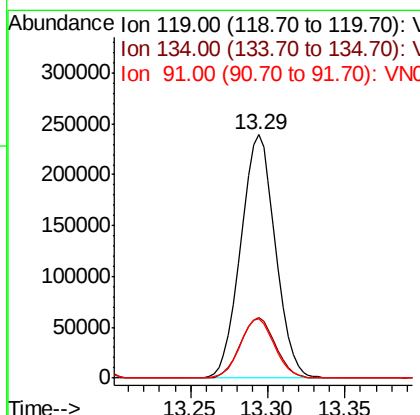
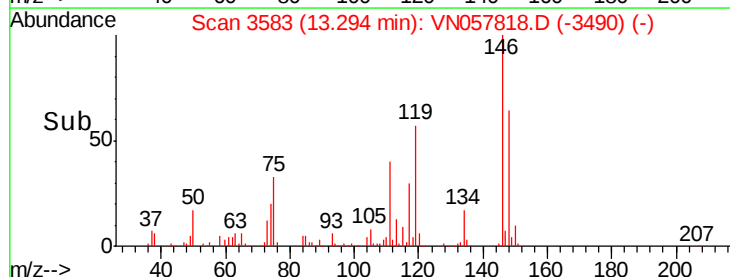
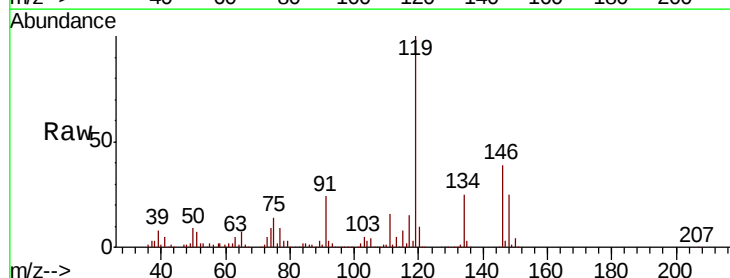
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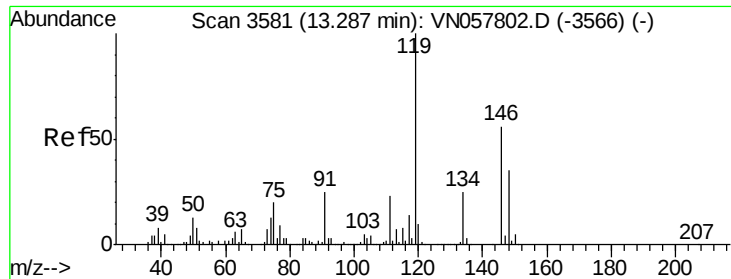
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#86
 p-Isopropyltoluene
 Concen: 20.157 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.5	37.5
91	24.4	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 18.983 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Instrument :

MSVOA_N

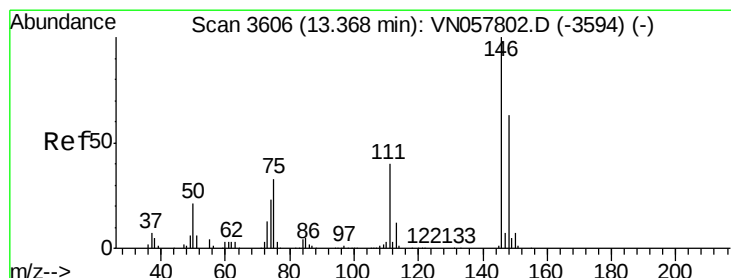
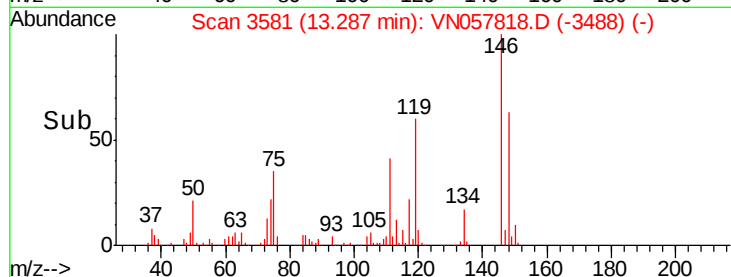
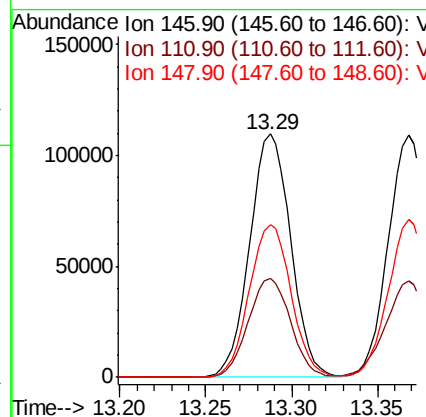
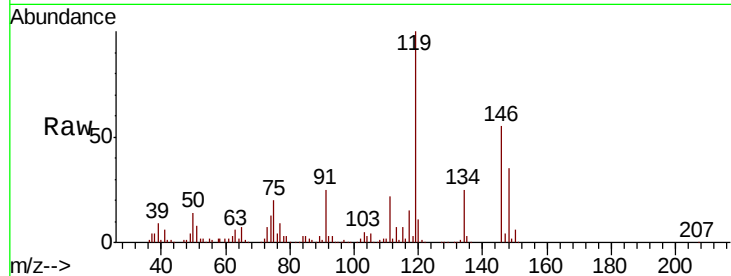
ClientSampleId :

VN0910WBSD01

Tot Ion:	146	Resp:	181906
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.5	61.6
148	64.0	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 18.589 ug/l

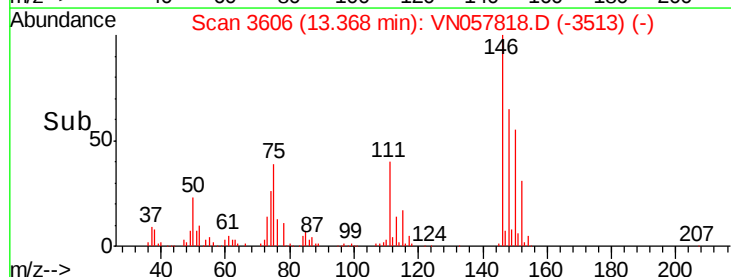
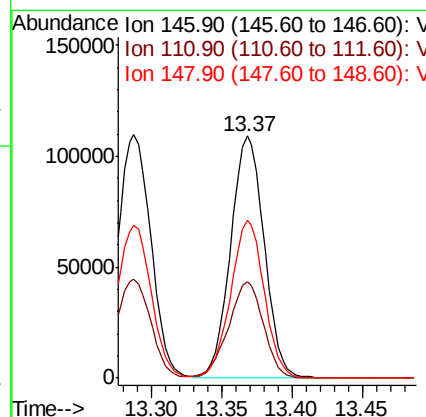
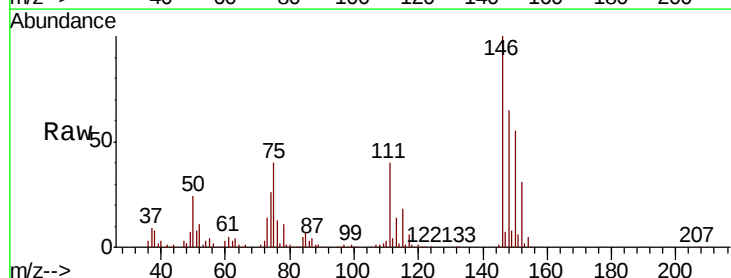
RT: 13.37 min Scan# 3606

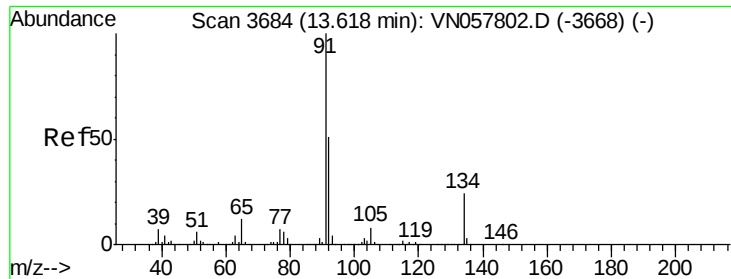
Delta R.T. 0.00 min

Lab File: VN057818.D

Acq: 9 Sep 2019 22:03

Tgt Ion:	146	Resp:	180817
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.4	61.2
148	64.9	31.8	95.4





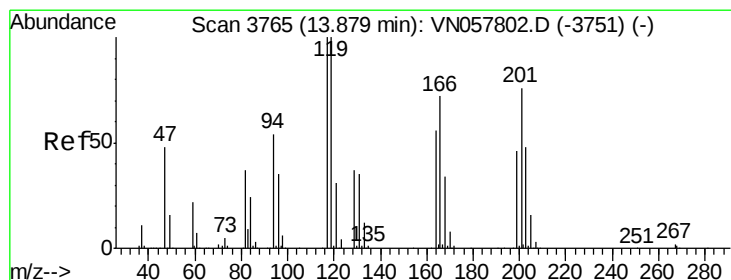
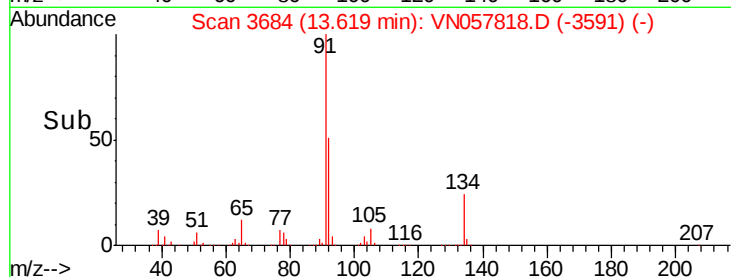
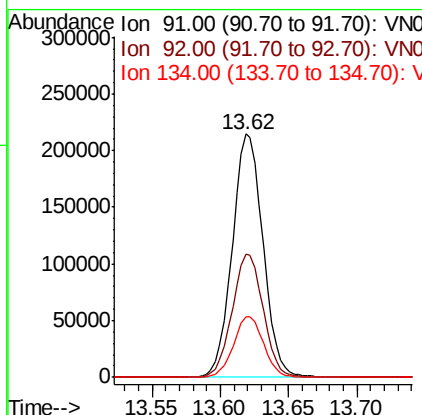
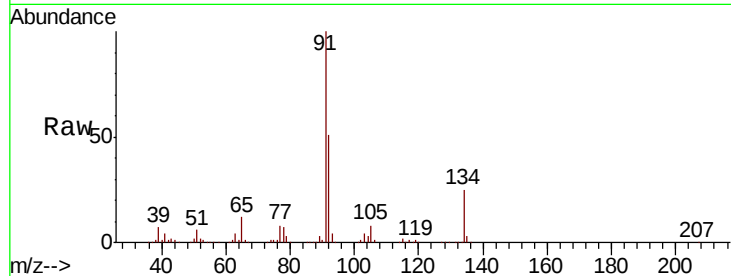
#89
n-Butylbenzene
Concen: 19.330 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	24.5	11.9	35.7

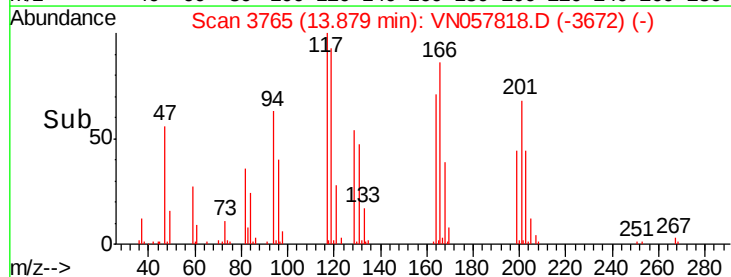
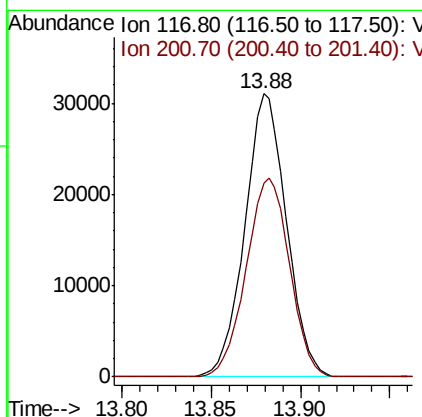
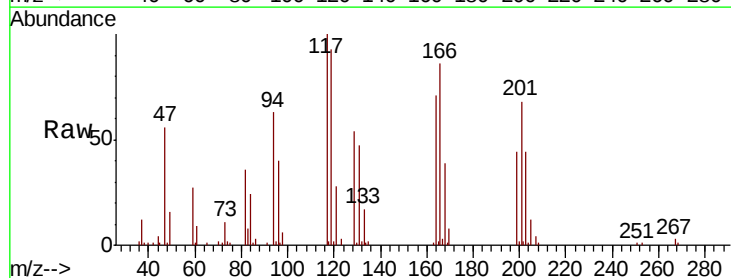
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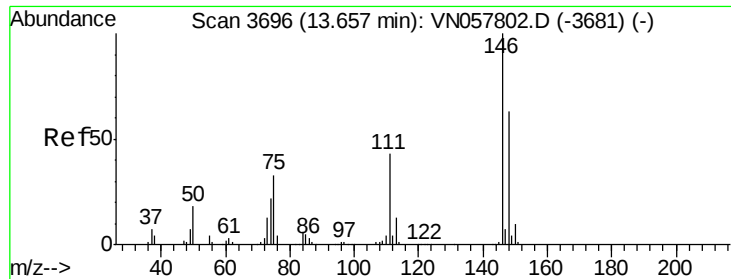
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#90
Hexachloroethane
Concen: 18.532 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	37.5	112.7





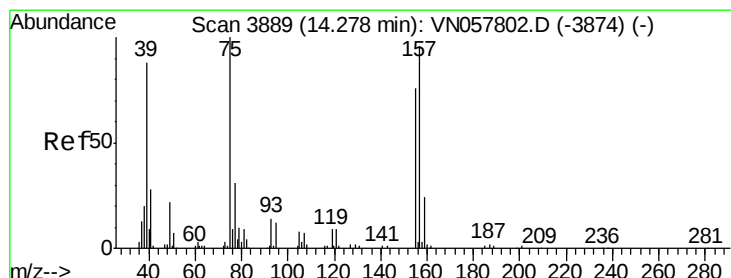
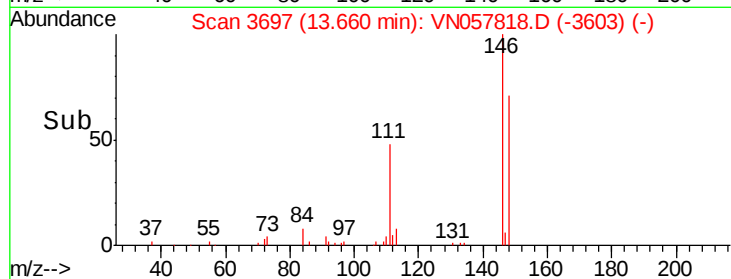
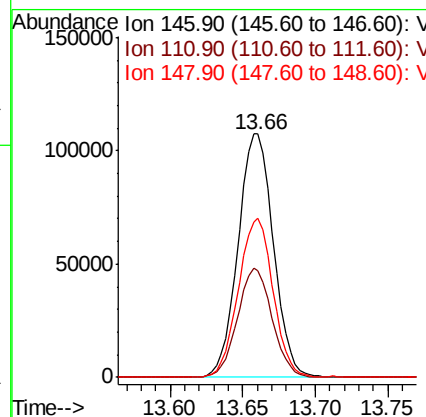
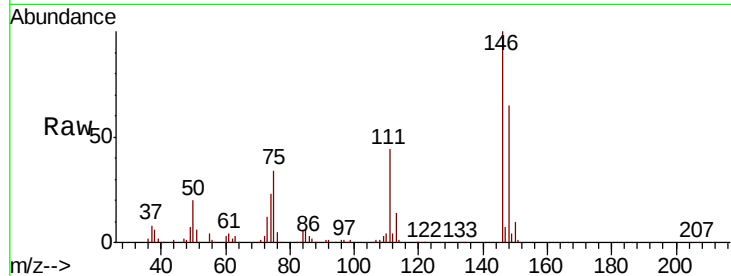
#91
 1,2-Dichlorobenzene
 Concen: 19.037 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	63.9
148	64.1	31.4	94.3

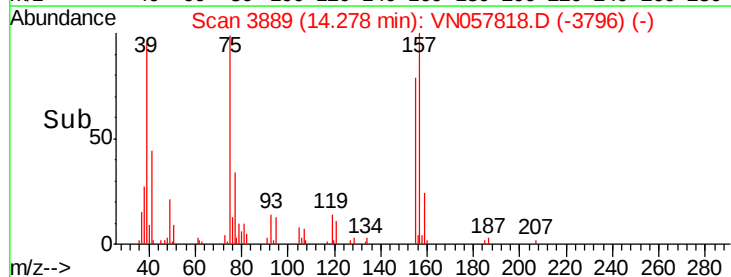
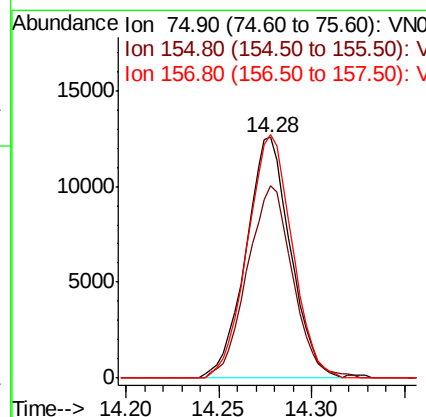
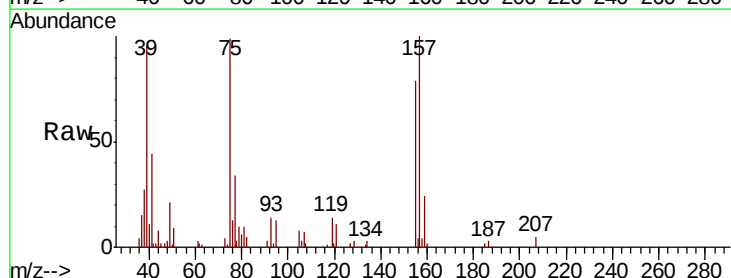
Manual Integrations
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 9/13/2019 5:16:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.953 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	37.3	111.8
157	101.6	47.9	143.8





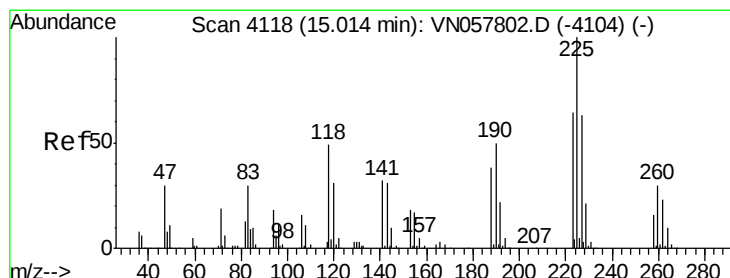
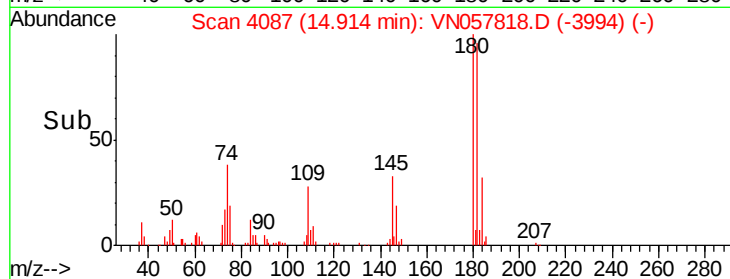
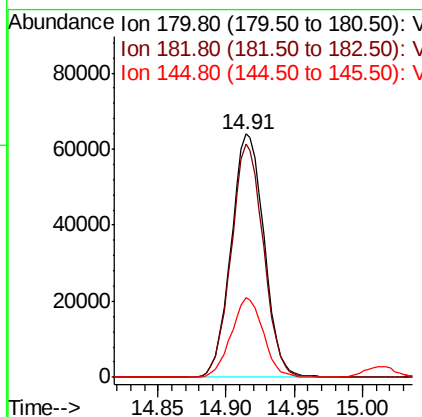
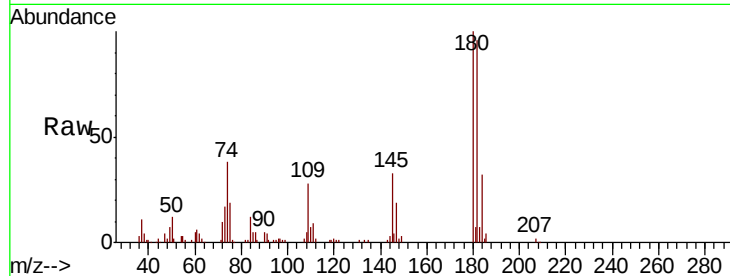
#93
 1,2,4-Trichlorobenzene
 Concen: 17.126 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion:	180	Resp:	107165
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.9	140.8
145	31.9	14.9	44.7

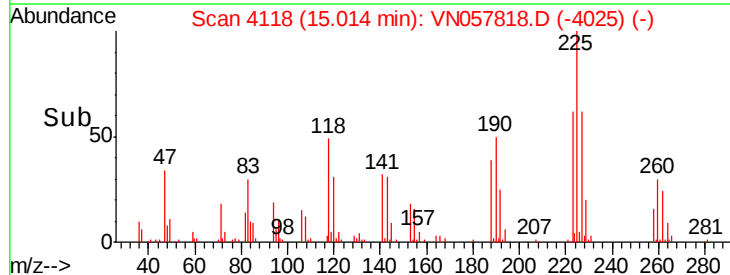
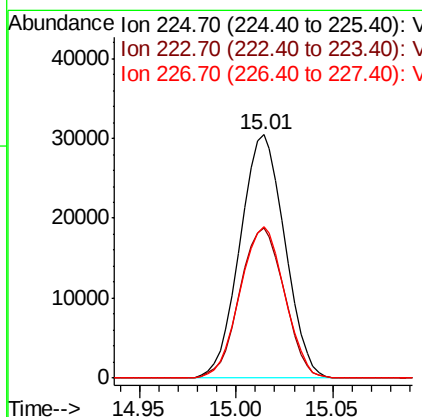
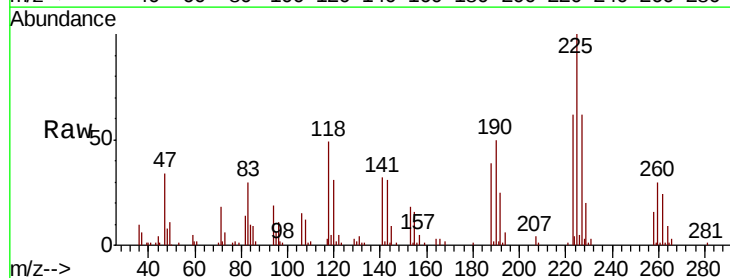
Manual Integrations
 APPROVED

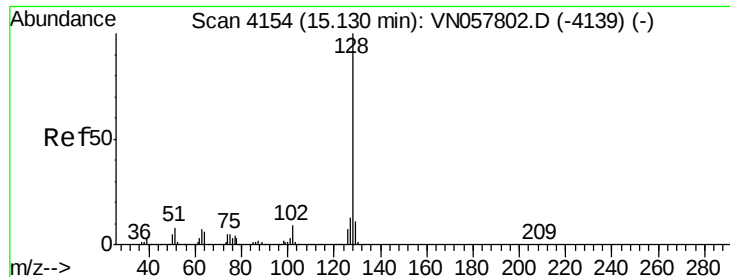
MMDadoda
 9/13/2019 5:16:19 AM



#94
 Hexachlorobutadiene
 Concen: 18.463 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057818.D
 Acq: 9 Sep 2019 22:03

Tgt Ion:	225	Resp:	48974
Ion Ratio	Lower	Upper	
225	100		
223	61.5	32.4	97.2
227	62.0	31.8	95.4





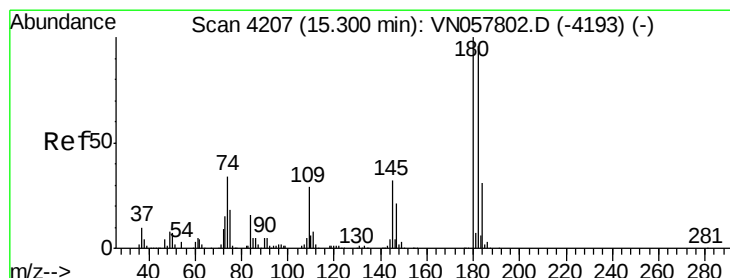
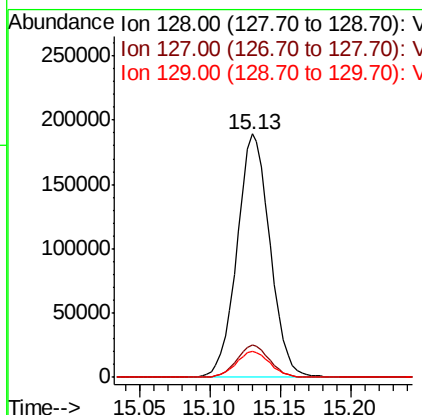
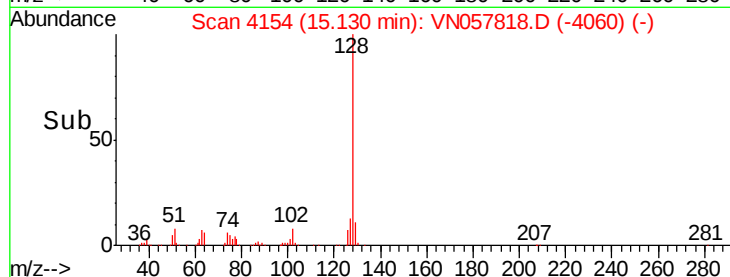
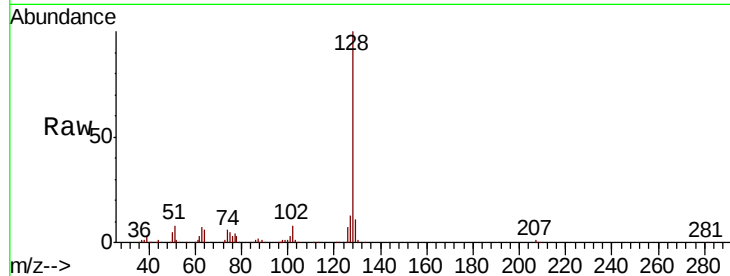
#95
Naphthalene
Concen: 18.646 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 19.992 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057818.D
Acq: 9 Sep 2019 22:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.3	144.8
145	31.4	16.3	48.8

