

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057801.D
 Acq On : 9 Sep 2019 15:26
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:30:00 PM

Quant Time: Sep 10 02:47:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	326171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	529021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	136498	17.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.72%	
35) Dibromofluoromethane	7.58	113	100679	20.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.88%	
50) Toluene-d8	10.09	98	401207	22.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.50%	
62) 4-Bromofluorobenzene	12.40	95	138689	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89474	17.644	ug/l	100
3) Chloromethane	2.03	50	85940	9.803	ug/l	98
4) Vinyl Chloride	2.16	62	93943	20.787	ug/l	97
5) Bromomethane	2.54	94	58145	26.326	ug/l	98
6) Chloroethane	2.68	64	60177	22.291	ug/l	98
7) Trichlorofluoromethane	2.99	101	106501	15.239	ug/l	99
8) Diethyl Ether	3.39	74	47490	17.051	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	73902	16.868	ug/l	100
10) Methyl Iodide	3.93	142	81918	18.592	ug/l	99
11) Tert butyl alcohol	4.77	59	79124	88.294	ug/l	99
12) 1,1-Dichloroethene	3.71	96	64505	16.456	ug/l	98
13) Acrolein	3.58	56	66396	137.461	ug/l	99
14) Allyl chloride	4.30	41	121745	13.902	ug/l	99
15) Acrylonitrile	4.96	53	214305	93.629	ug/l	100
16) Acetone	3.80	43	239827	99.396	ug/l	96
17) Carbon Disulfide	4.03	76	100634	11.851	ug/l	99
18) Methyl Acetate	4.30	43	113835	17.426	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	280823	16.942	ug/l	98
20) Methylene Chloride	4.53	84	86205	16.739	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	68480	16.596	ug/l	96
22) Diisopropyl ether	5.93	45	305256	16.052	ug/l	96
23) Vinyl Acetate	5.87	43	1132044	75.226	ug/l	99
24) 1,1-Dichloroethane	5.83	63	167390	17.092	ug/l	99
25) 2-Butanone	6.82	43	320755	93.115	ug/l	100
26) 2,2-Dichloropropane	6.81	77	130221	16.109	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	95248	18.066	ug/l	99
28) Bromochloromethane	7.18	49	86363	16.669	ug/l	98
29) Tetrahydrofuran	7.20	42	185922	84.337	ug/l	100
30) Chloroform	7.36	83	170252	16.661	ug/l	98
31) Cyclohexane	7.63	56	122118	14.427	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133596	15.852	ug/l	99
36) 1,1-Dichloropropene	7.78	75	112396	16.414	ug/l	98
37) Ethyl Acetate	6.91	43	121323	17.861	ug/l	98
38) Carbon Tetrachloride	7.76	117	103520	15.928	ug/l	99

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Manual Integrations
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MMDadoda
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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	116858	16.237	ug/l	96
40) Benzene	8.03	78	351018	17.931	ug/l	97
41) Methacrylonitrile	7.15	41	52752	15.854	ug/l	95
42) 1,2-Dichloroethane	8.11	62	142796	15.912	ug/l	100
43) Isopropyl Acetate	8.15	43	204054	15.732	ug/l	100
44) Trichloroethene	8.82	130	85134	19.233	ug/l	94
45) 1,2-Dichloropropane	9.11	63	103875	18.896	ug/l	98
46) Dibromomethane	9.20	93	62221	17.811	ug/l	99
47) Bromodichloromethane	9.40	83	122897	16.566	ug/l	99
48) Methyl methacrylate	9.19	41	98729	14.809	ug/l	97
49) 1,4-Dioxane	9.19	88	35592	438.299	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	646102	88.534	ug/l	100
52) Toluene	10.15	92	216492	18.115	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	125084	16.712	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143458	17.682	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92162	18.898	ug/l	97
56) Ethyl methacrylate	10.43	69	140423	18.190	ug/l	98
57) 1,3-Dichloropropane	10.71	76	161601	18.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	366746	93.529	ug/l	100
59) 2-Hexanone	10.75	43	477017	91.905	ug/l	100
60) Dibromochloromethane	10.90	129	83983	17.875	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88561	19.067	ug/l	98
64) Tetrachloroethene	10.63	164	67036	17.644	ug/l	98
65) Chlorobenzene	11.43	112	243891	18.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	85267	18.959	ug/l	99
67) Ethyl Benzene	11.51	91	438223	17.878	ug/l	99
68) m/p-Xylenes	11.62	106	320219	37.555	ug/l	100
69) o-Xylene	11.95	106	156256	18.426	ug/l	96
70) Styrene	11.96	104	272003	18.481	ug/l	99
71) Bromoform	12.13	173	49290	17.019	ug/l #	98
73) Isopropylbenzene	12.25	105	441117	18.580	ug/l	100
74) N-amyl acetate	12.07	43	181927	15.627	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	141556	19.553	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	121159m	19.400	ug/l	
77) Bromobenzene	12.53	156	102792	19.710	ug/l	96
78) n-propylbenzene	12.59	91	507416	18.082	ug/l	99
79) 2-Chlorotoluene	12.68	91	304433	17.785	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	372549	18.438	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30697	15.375	ug/l	92
82) 4-Chlorotoluene	12.78	91	309710	17.524	ug/l	100
83) tert-Butylbenzene	13.00	119	322719	18.783	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	375932	18.763	ug/l	99
85) sec-Butylbenzene	13.17	105	440290	18.687	ug/l	99
86) p-Isopropyltoluene	13.29	119	388427	19.318	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	190392	19.340	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185987	18.888	ug/l	99
89) n-Butylbenzene	13.62	91	360970	18.314	ug/l	99
90) Hexachloroethane	13.88	117	52900	17.038	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	186979	19.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23725	17.104	ug/l	99

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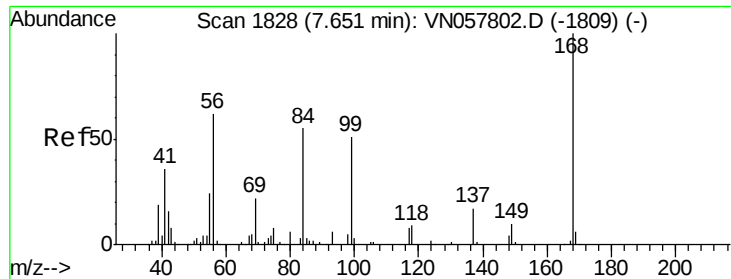
Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:00 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112966	19.538	ug/l	100
94) Hexachlorobutadiene	15.01	225	51071	18.436	ug/l	99
95) Naphthalene	15.13	128	327242	19.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106872	19.341	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 326171

Ion Ratio Lower Upper

168 100

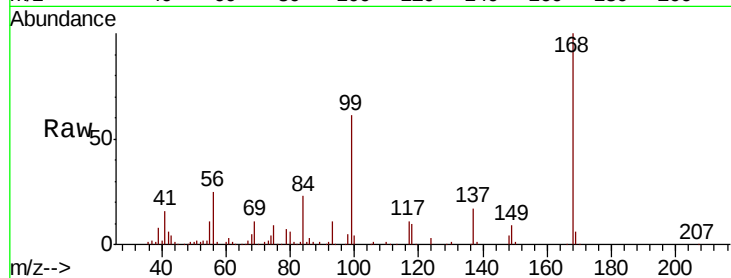
99 60.2 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

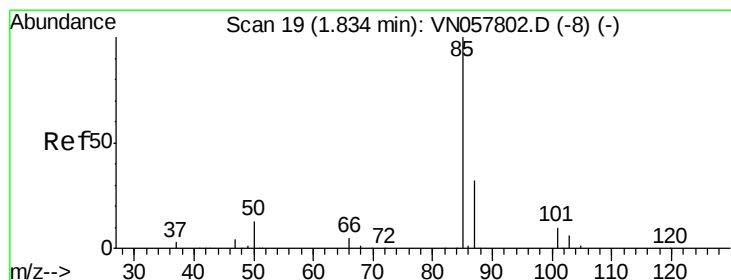
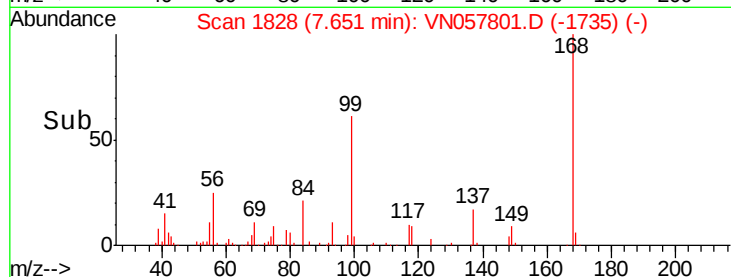
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.644 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057801.D

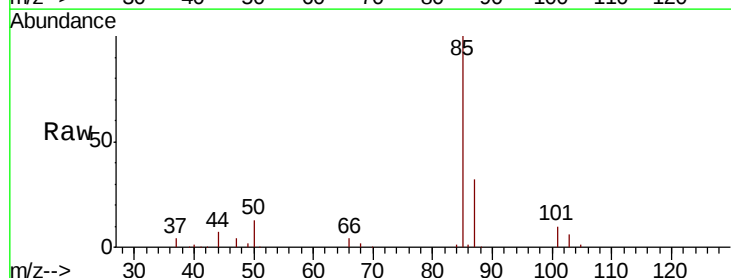
Acq: 9 Sep 2019 15:26

Tgt Ion: 85 Resp: 89474

Ion Ratio Lower Upper

85 100

87 31.8 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

60000

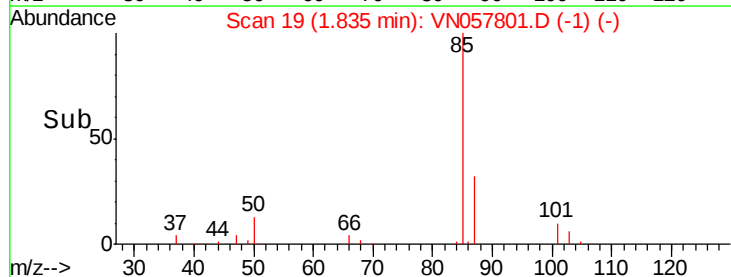
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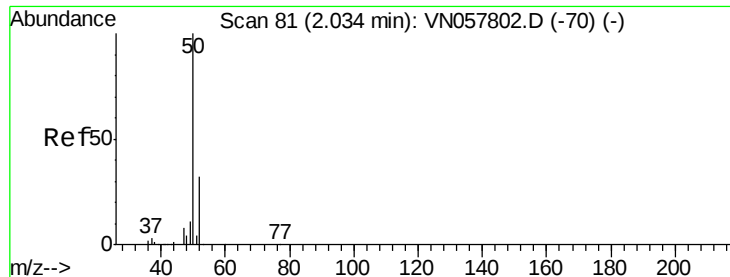
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 9.803 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 85940

Ion Ratio Lower Upper

50 100

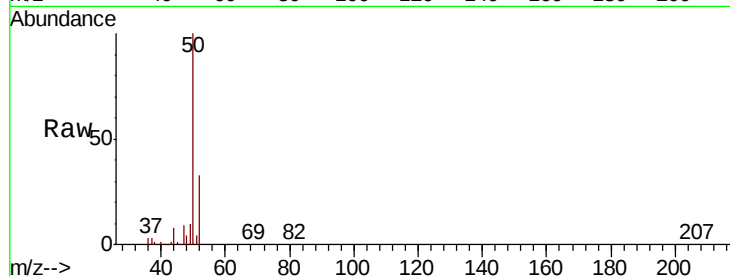
52 32.9 25.5 38.3

Manual Integrations

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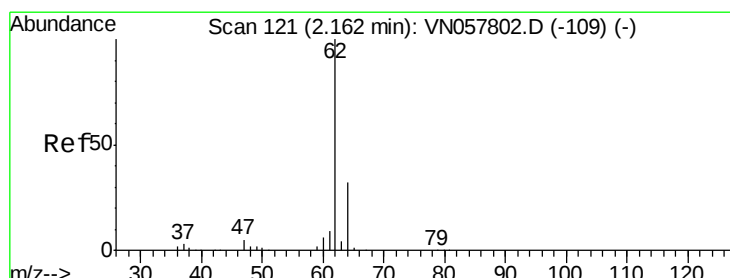
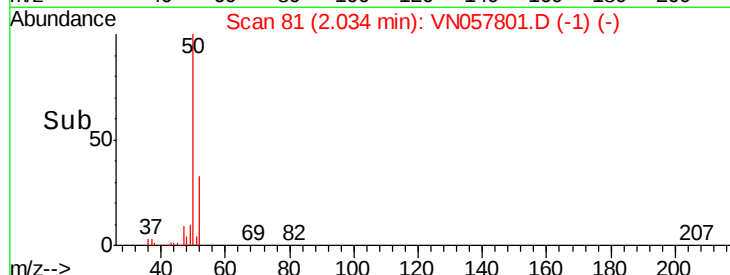
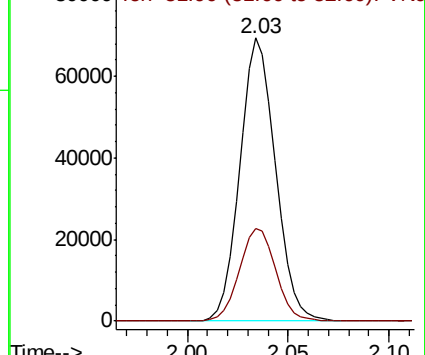
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Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)



#4

Vinyl Chloride

Concen: 20.787 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057801.D

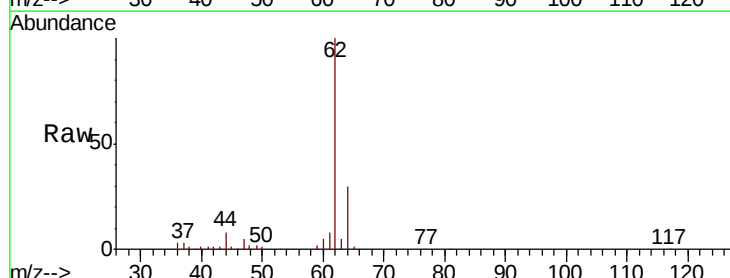
Acq: 9 Sep 2019 15:26

Tgt Ion: 62 Resp: 93943

Ion Ratio Lower Upper

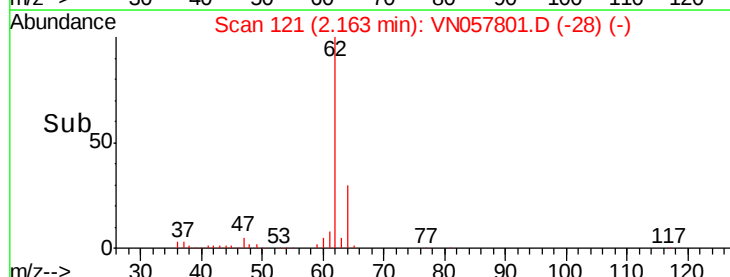
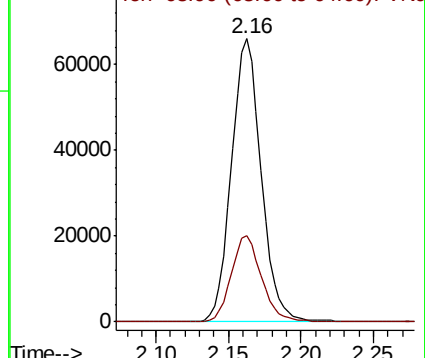
62 100

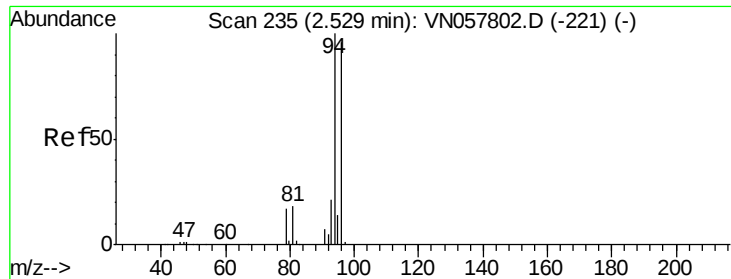
64 30.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN057802.D (-109) (-)





#5

Bromomethane

Concen: 26.326 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 58145

Ion Ratio Lower Upper

94 100

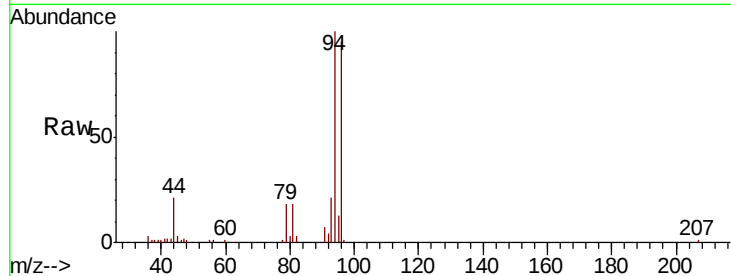
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Manual Integrations

APPROVED

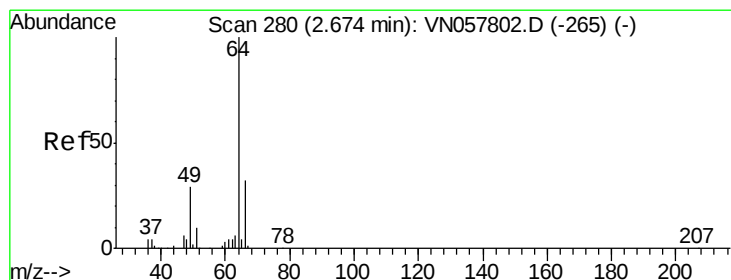
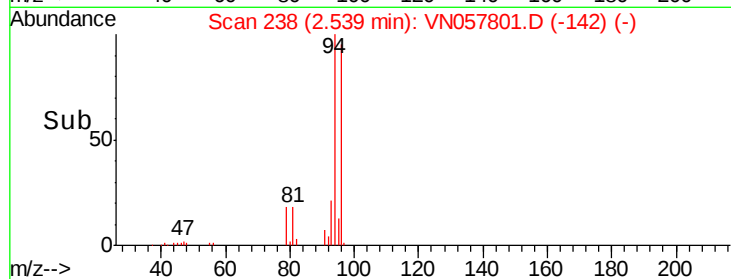
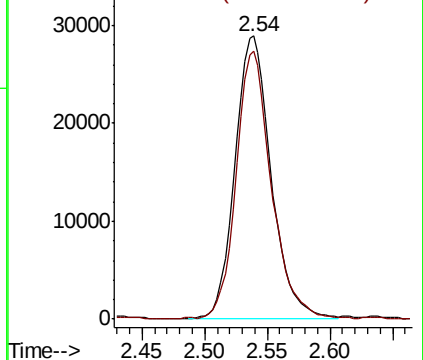
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.291 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057801.D

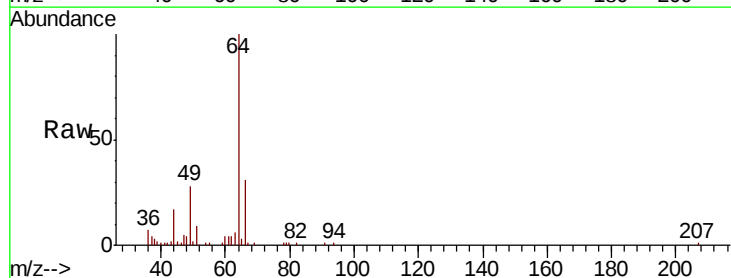
Acq: 9 Sep 2019 15:26

Tgt Ion: 64 Resp: 60177

Ion Ratio Lower Upper

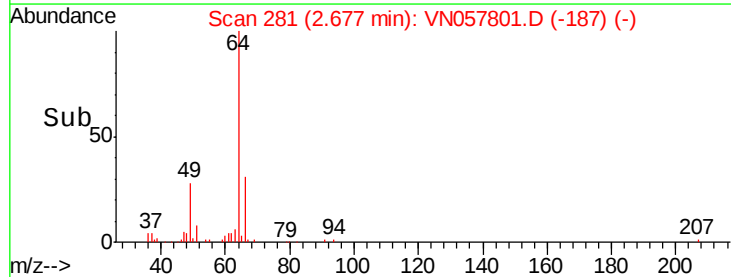
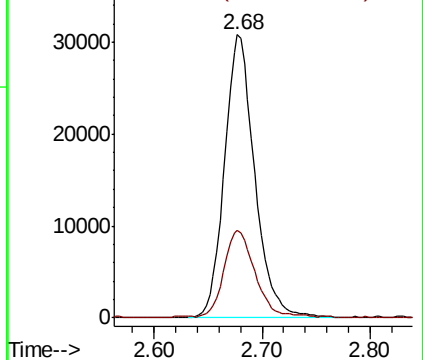
64 100

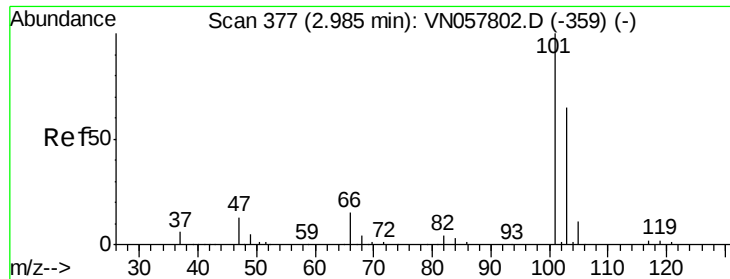
66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

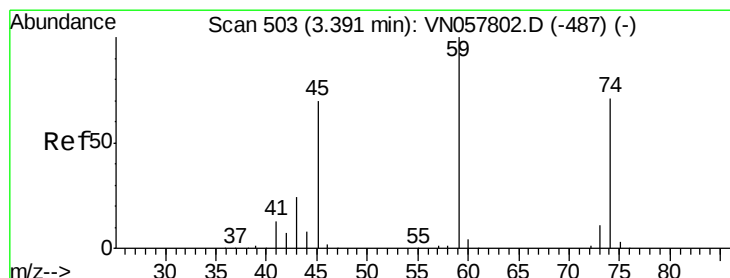
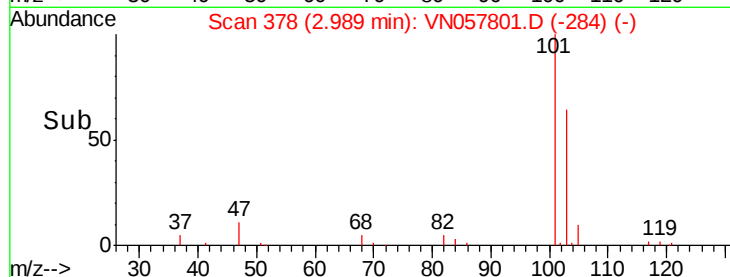
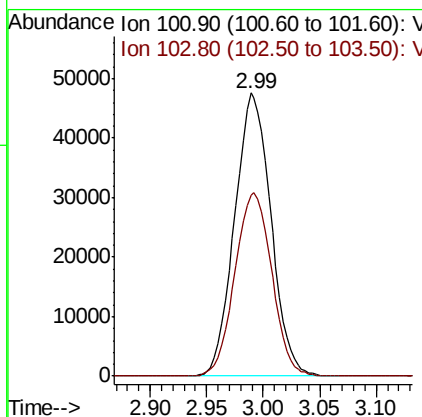
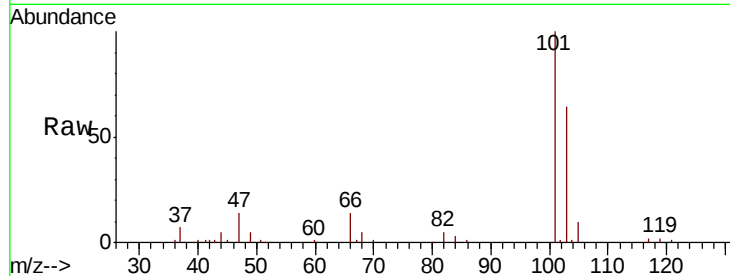
Trichlorofluoromethane
 Concen: 15.239 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.9	77.9

Manual Integrations
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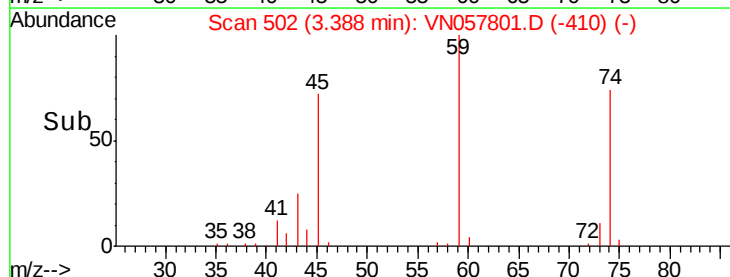
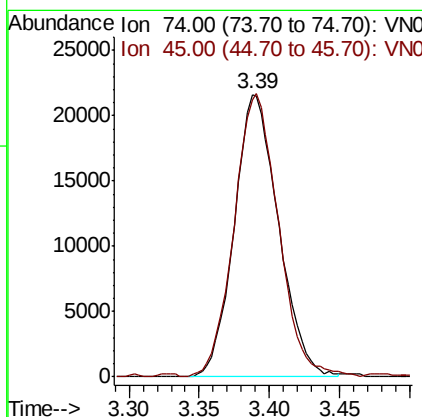
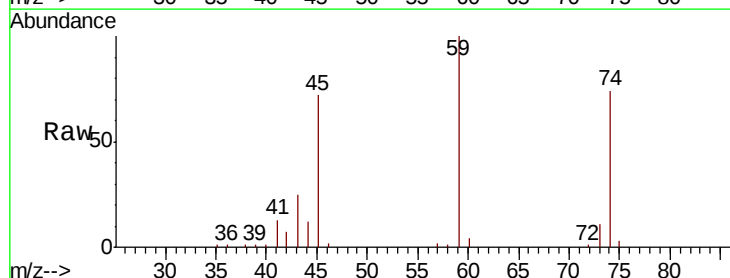
MMDadoda
 9/10/2019 4:30:00 PM

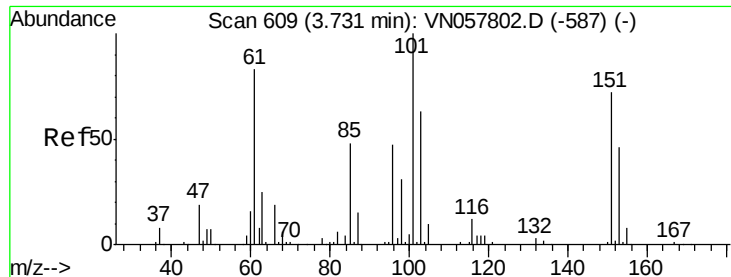


#8

Diethyl Ether
 Concen: 17.051 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.868 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

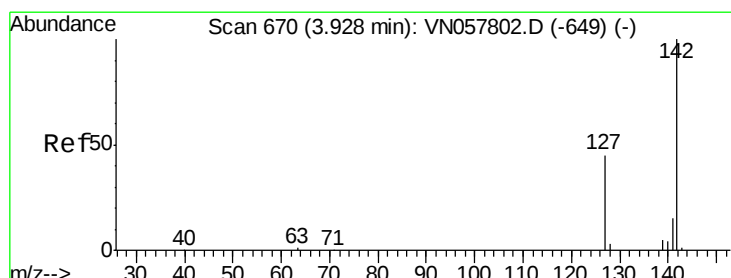
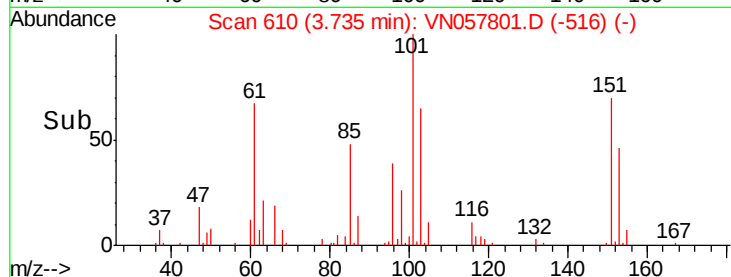
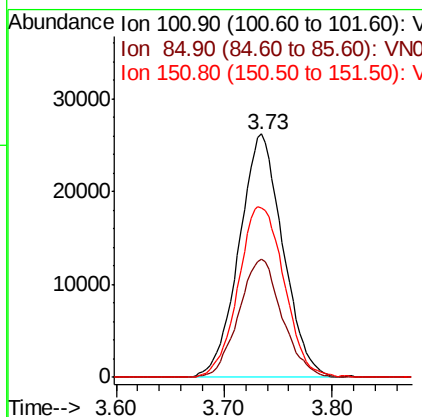
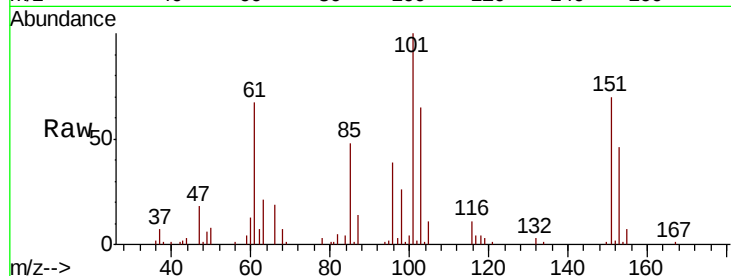
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	73902
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.1	57.1
151	73.3	58.4	87.6

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#10

Methyl Iodide

Concen: 18.592 ug/l

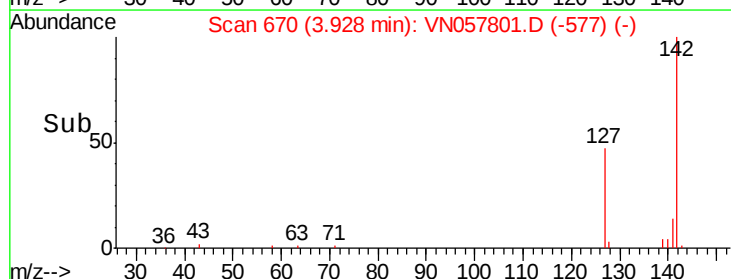
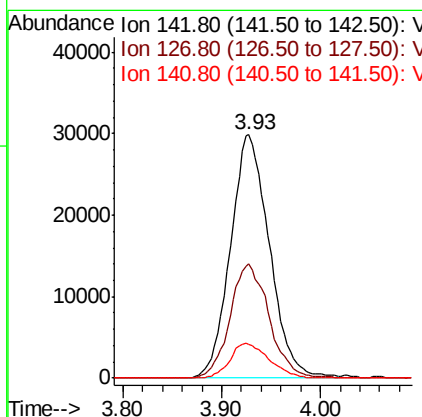
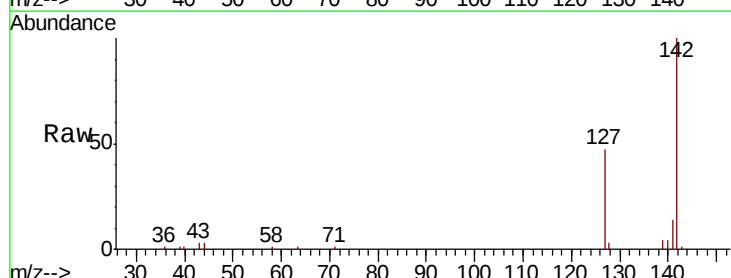
RT: 3.93 min Scan# 670

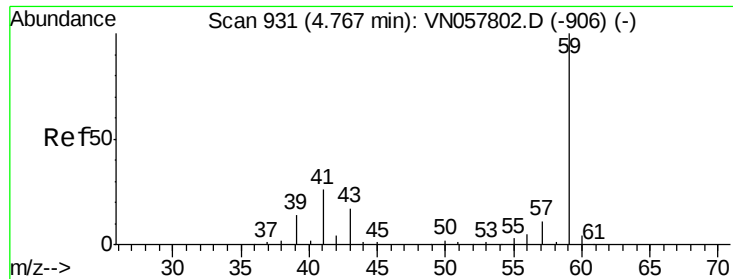
Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	142	Resp:	81918
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.7	55.1
141	14.3	11.4	17.0





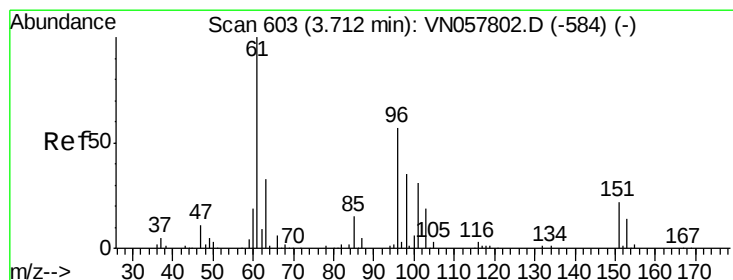
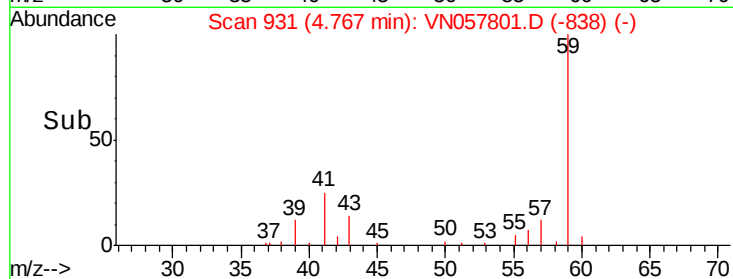
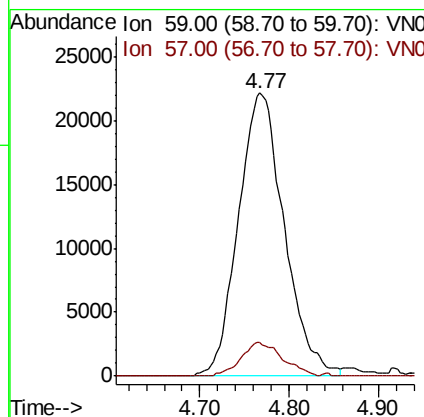
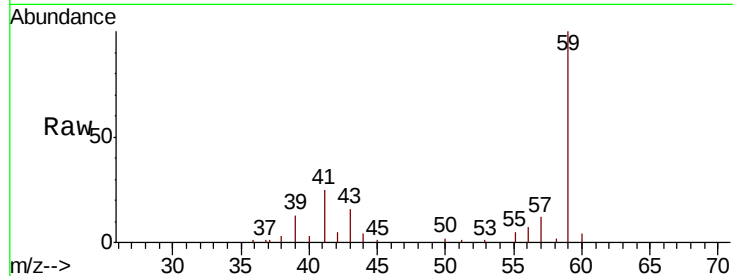
#11
Tert butyl alcohol
Concen: 88.294 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 59 Resp: 79124
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

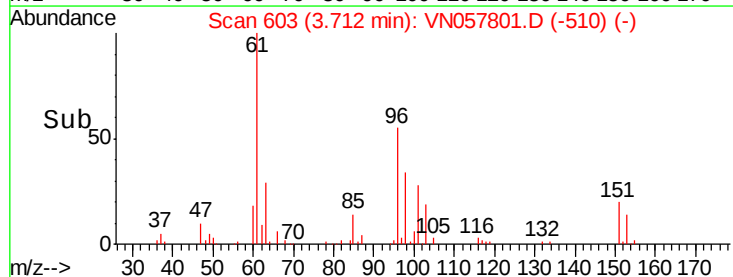
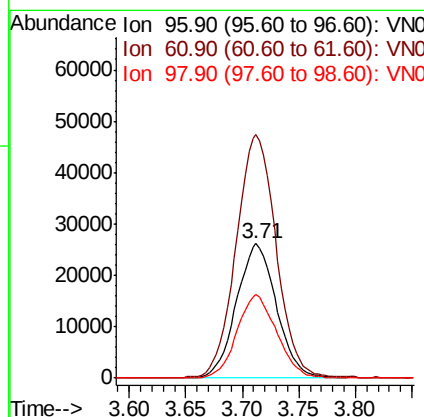
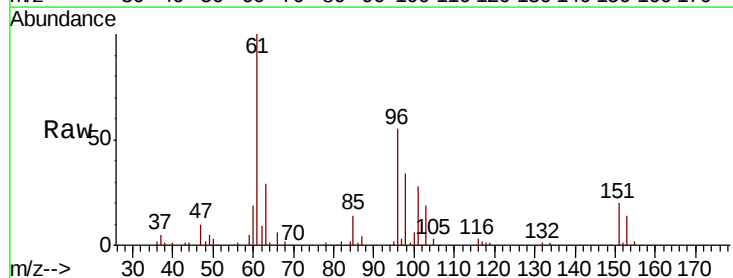
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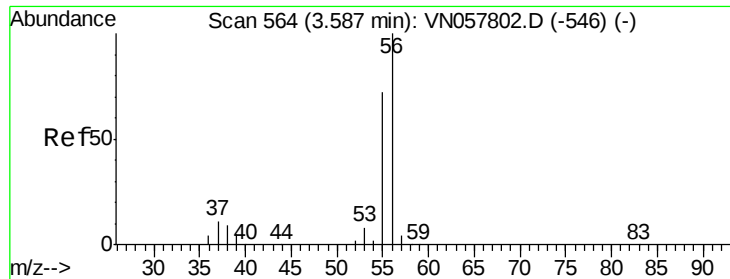
MMDadoda
9/10/2019 4:30:00 PM



#12
1,1-Dichloroethene
Concen: 16.456 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion: 96 Resp: 64505
Ion Ratio Lower Upper
96 100
61 180.4 141.2 211.8
98 62.2 49.9 74.9





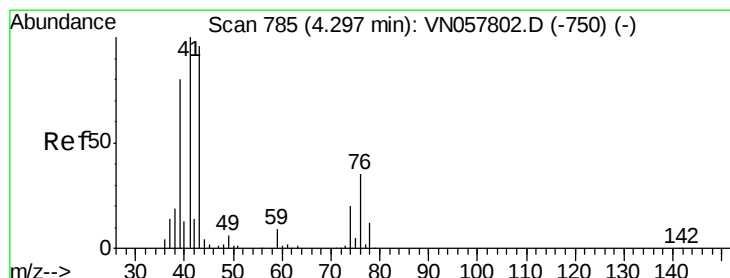
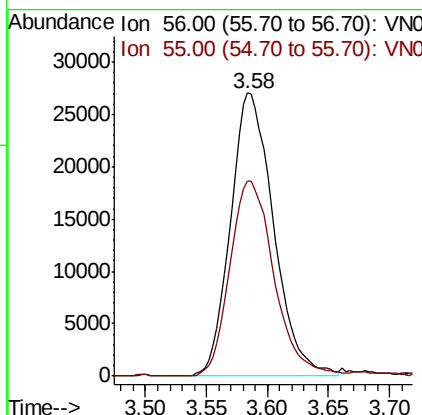
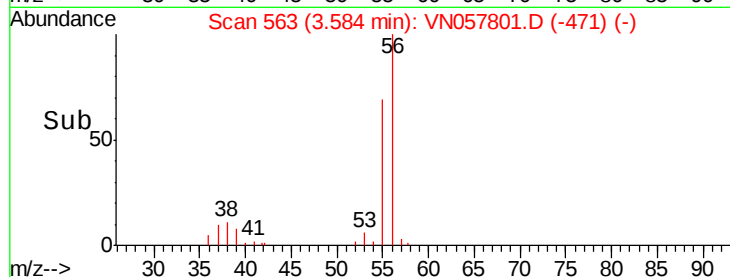
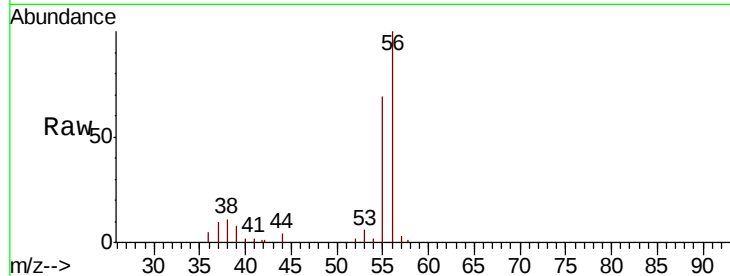
#13
Acrolein
Concen: 137.461 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.5	57.3	85.9	

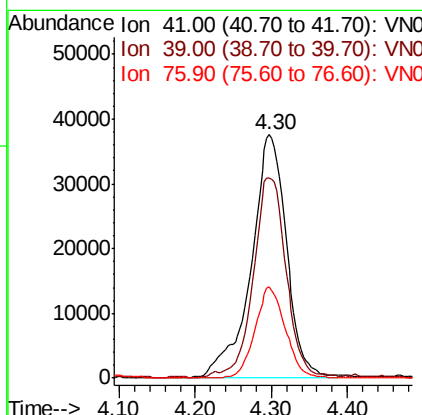
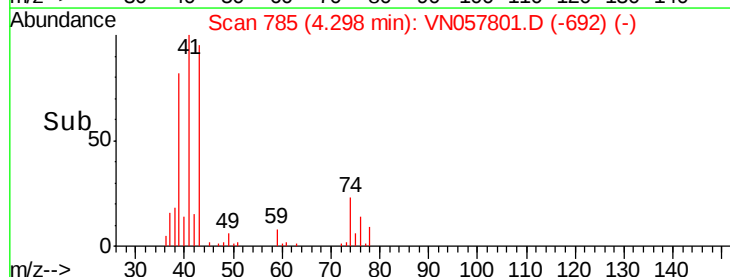
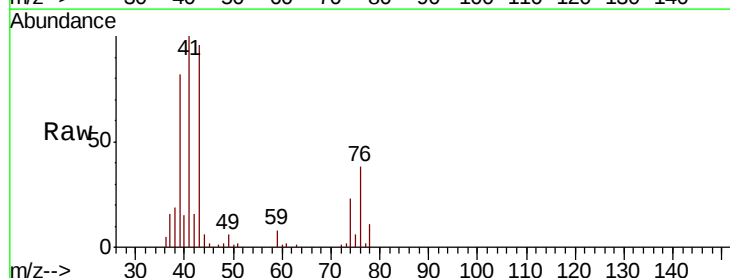
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#14
Allyl chloride
Concen: 13.902 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.9	59.4	89.2	
76	32.1	26.0	39.0	





#15

Acrylonitrile

Concen: 93.629 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

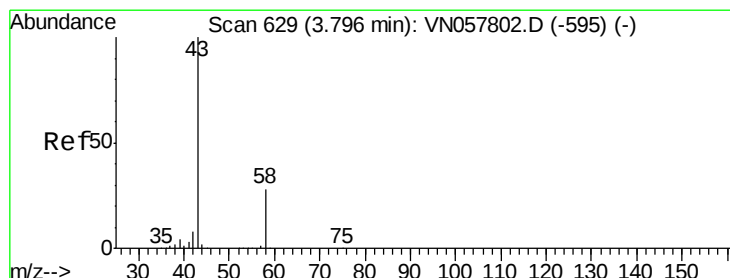
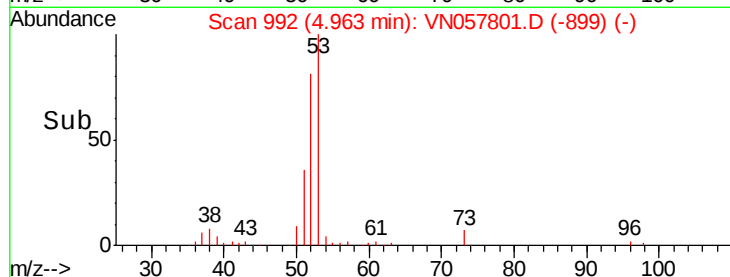
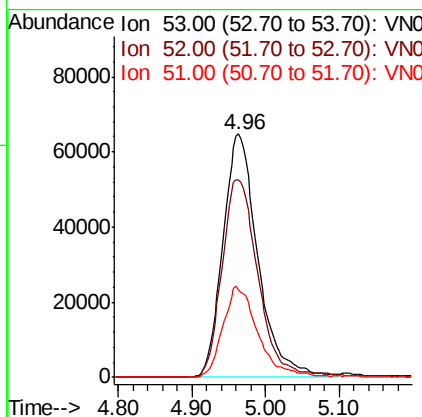
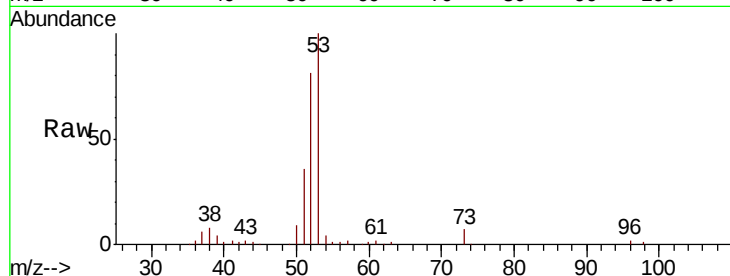
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	214305
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.5	29.8	44.8

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#16

Acetone

Concen: 99.396 ug/l

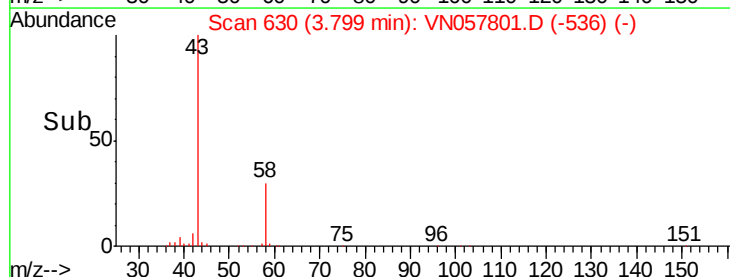
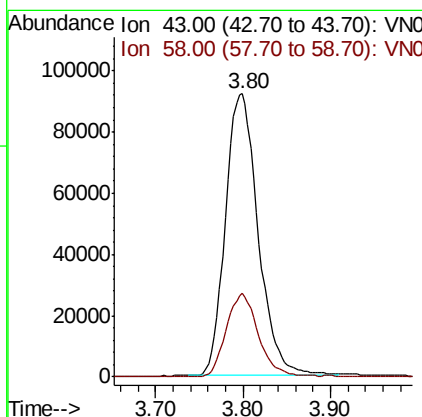
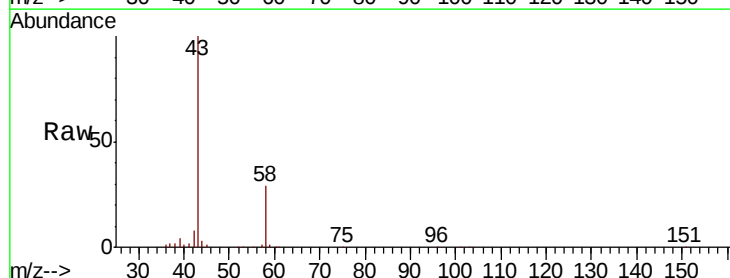
RT: 3.80 min Scan# 630

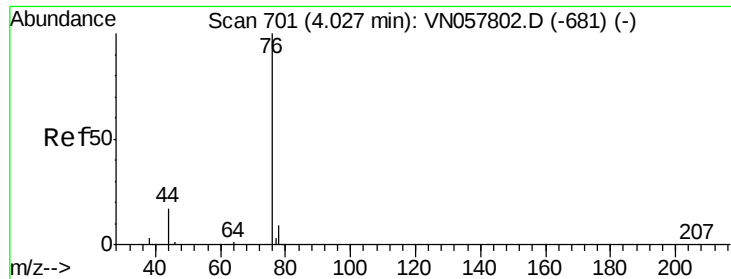
Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	43	Resp:	239827
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.2	33.2





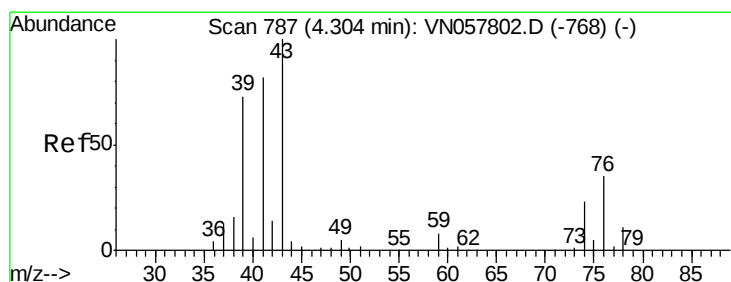
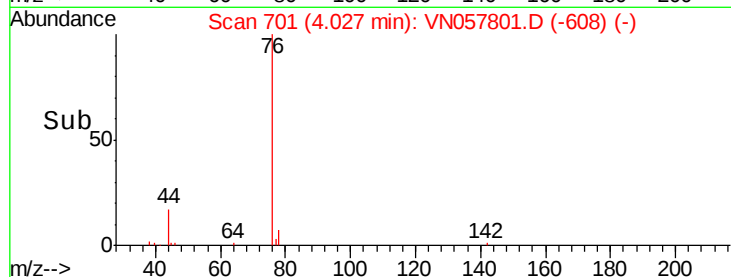
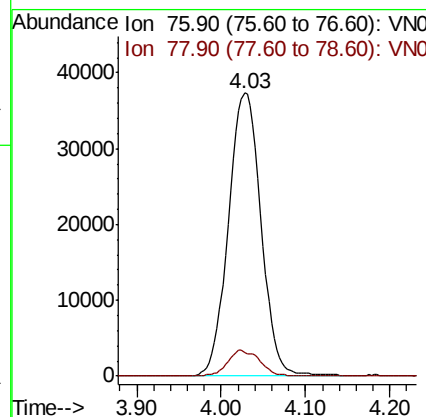
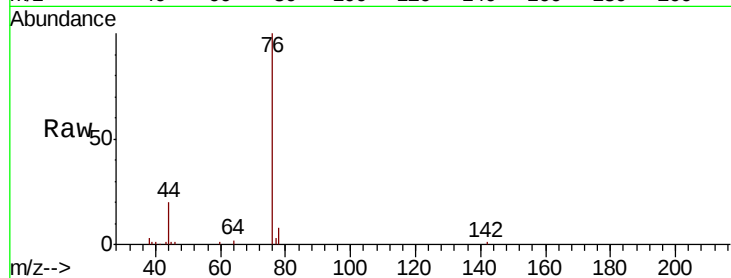
#17
Carbon Disulfide
Concen: 11.851 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 100634
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7

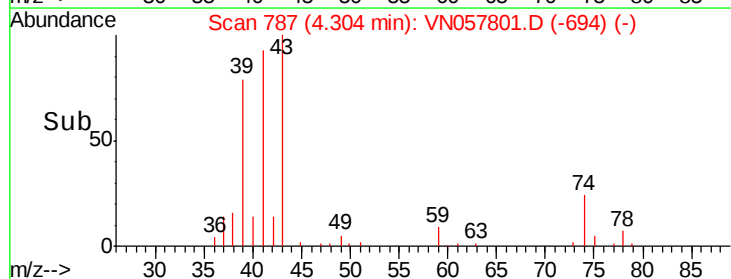
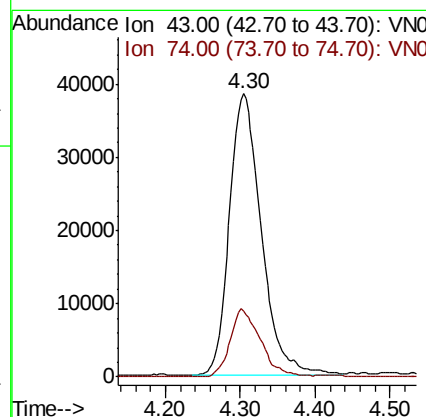
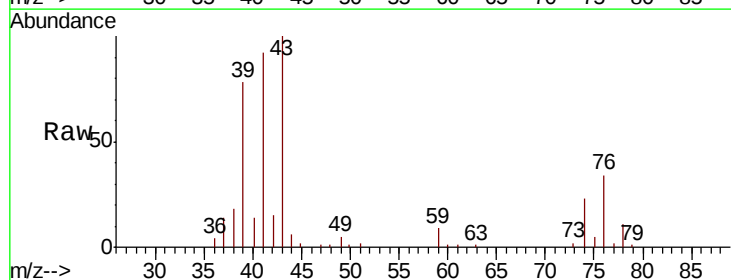
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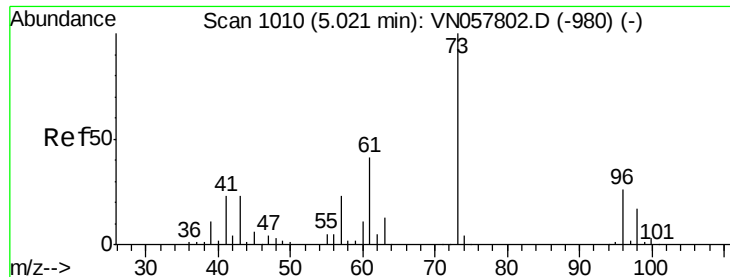
MMDadoda
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#18
Methyl Acetate
Concen: 17.426 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion: 43 Resp: 113835
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9





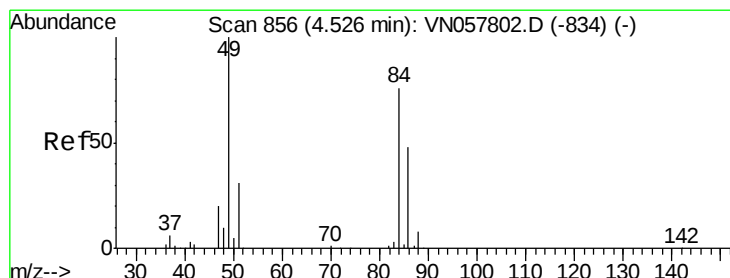
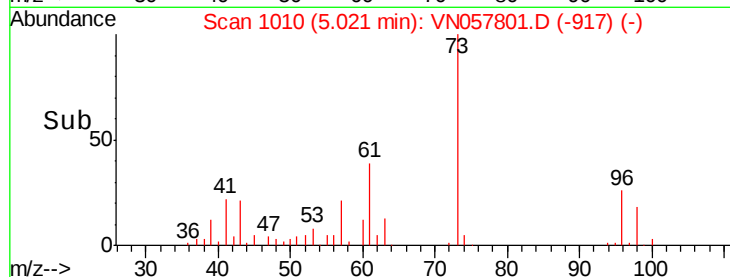
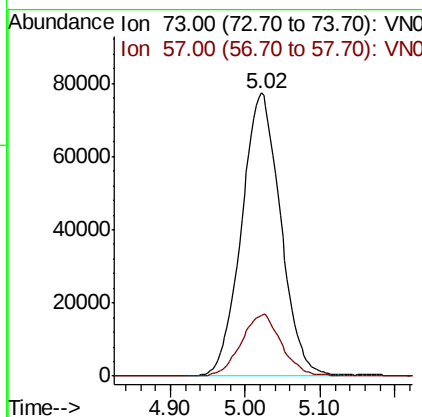
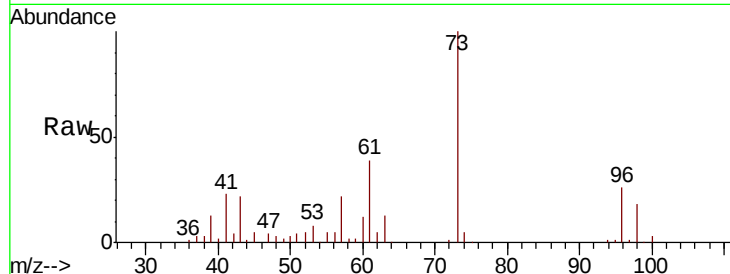
#19
Methvl tert-butvl Ether
Concen: 16.942 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.2	27.2

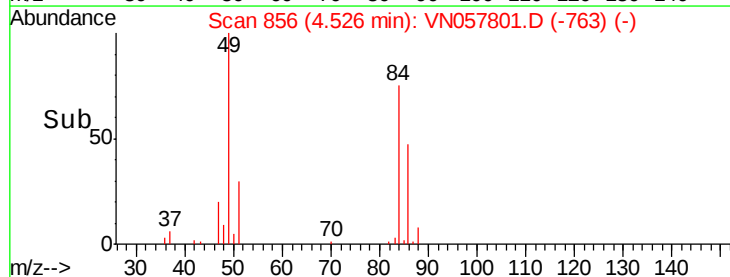
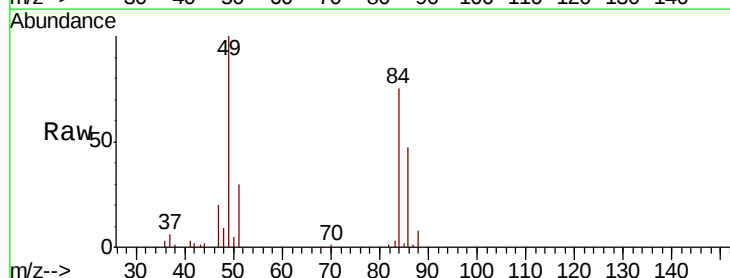
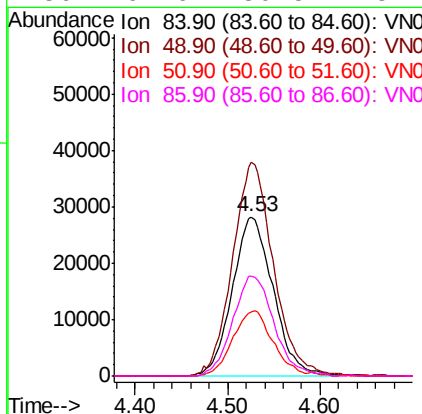
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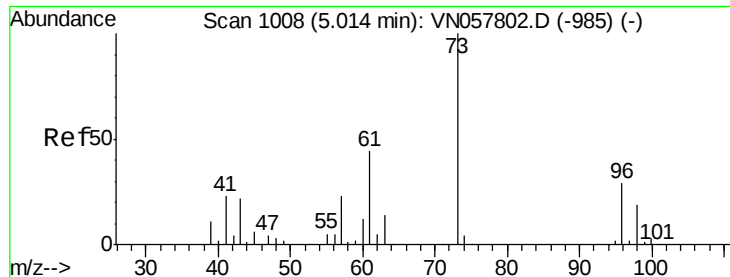
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#20
Methylene Chloride
Concen: 16.739 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	104.8	157.2
51	40.1	33.0	49.4
86	62.6	50.5	75.7





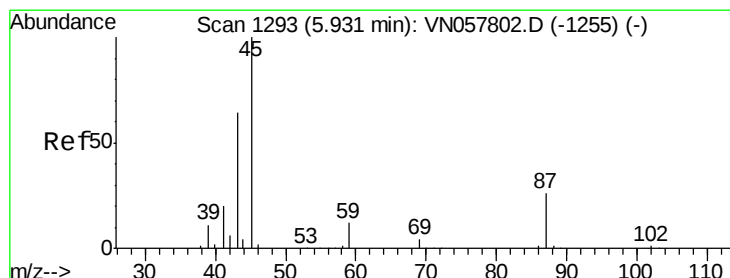
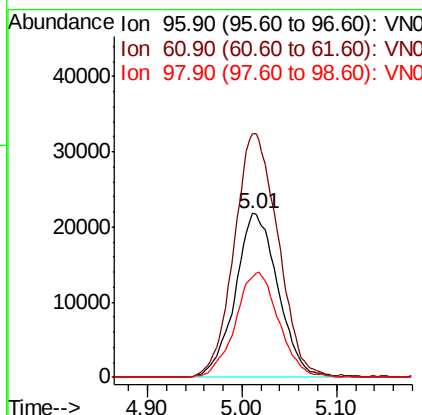
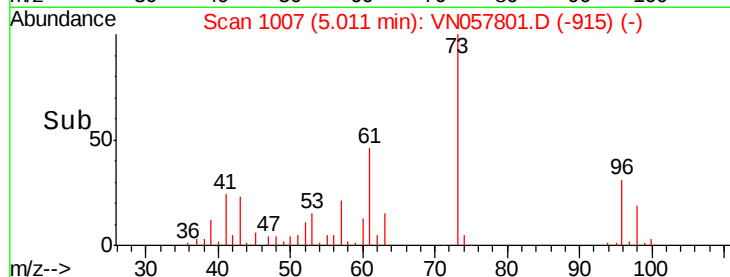
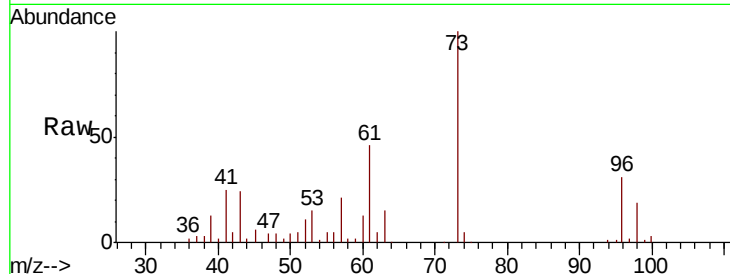
#21
trans-1,2-Dichloroethene
Concen: 16.596 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	121.9	182.9
98	61.6	52.2	78.4

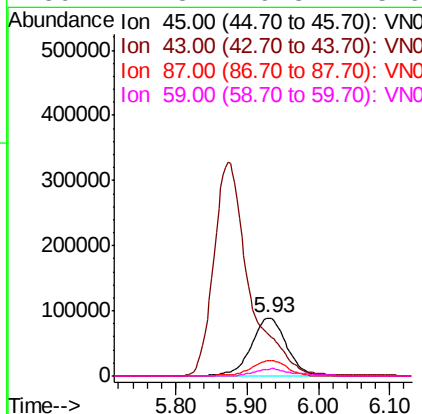
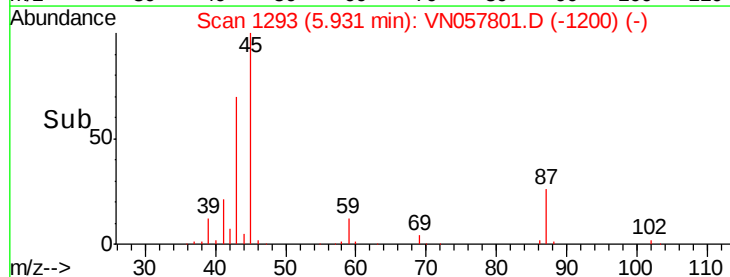
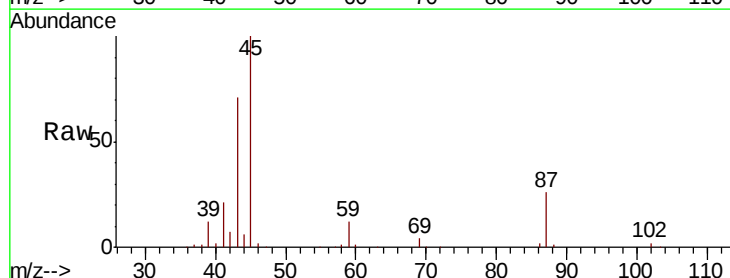
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#22
Diisopropyl ether
Concen: 16.052 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.3	51.4	77.2
87	25.5	21.3	31.9
59	11.8	9.3	13.9





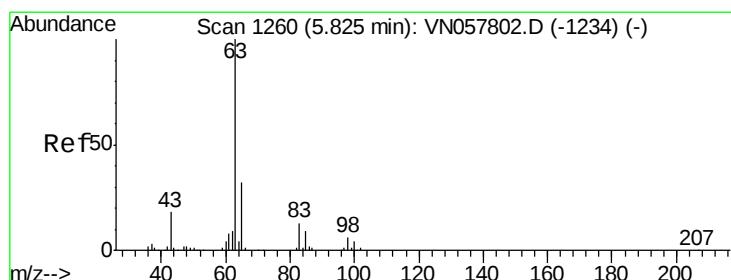
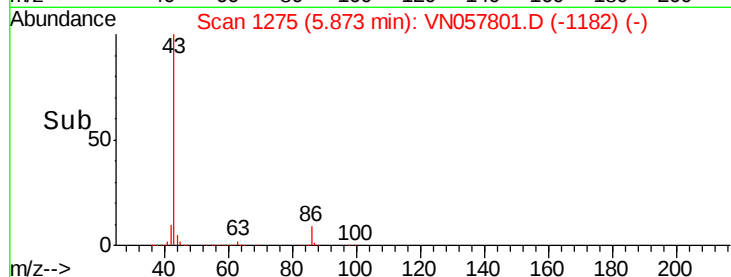
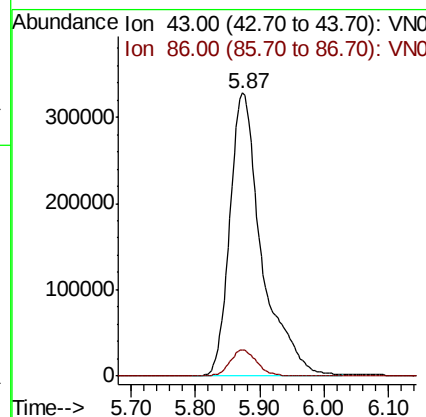
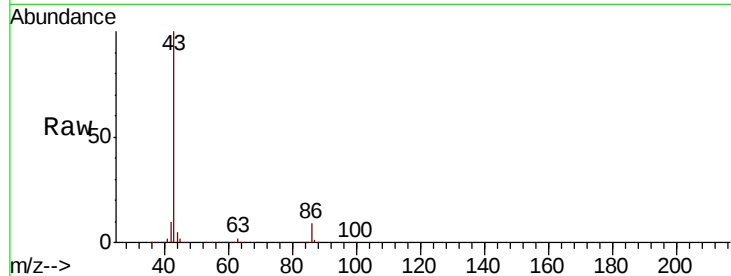
#23
 Vinyl Acetate
 Concen: 75.226 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1132044
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

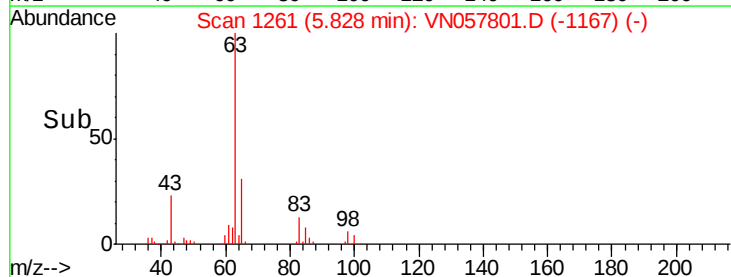
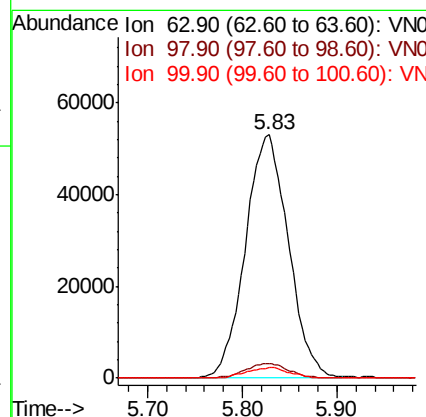
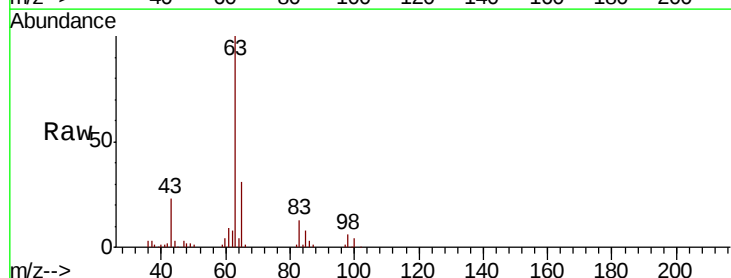
Manual Integrations
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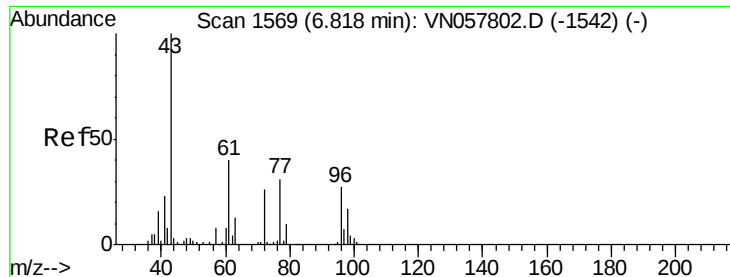
MMDadoda
 9/10/2019 4:30:00 PM



#24
 1,1-Dichloroethane
 Concen: 17.092 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion: 63 Resp: 167390
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 4.2 2.0 5.8





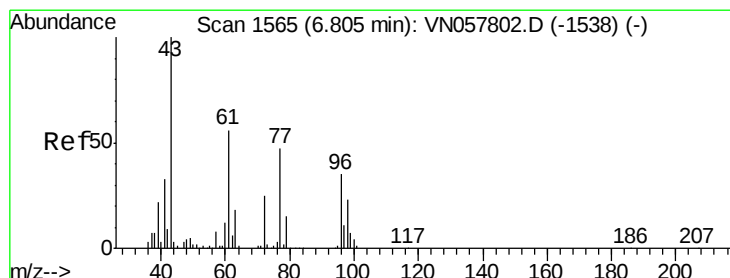
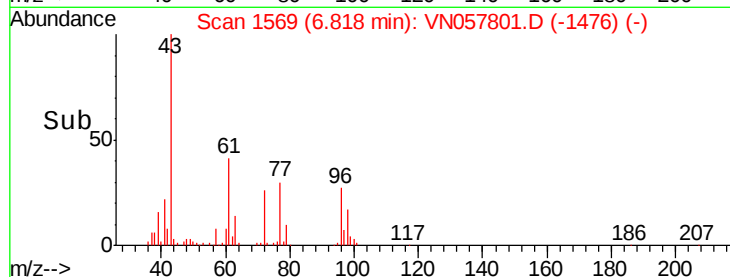
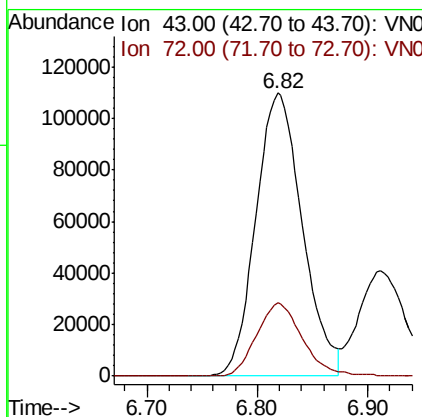
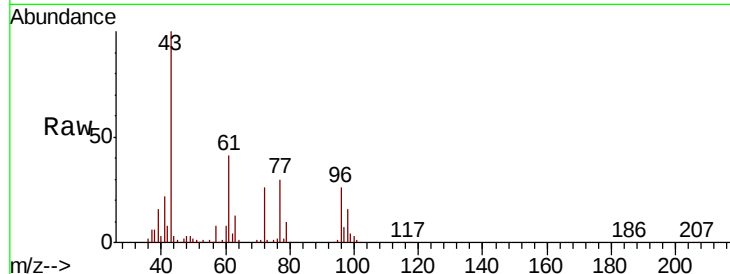
#25
2-Butanone
Concen: 93.115 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	30.8

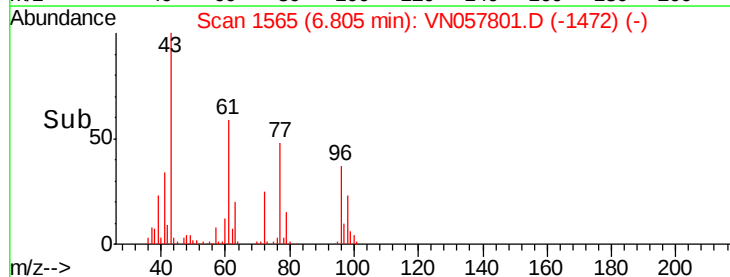
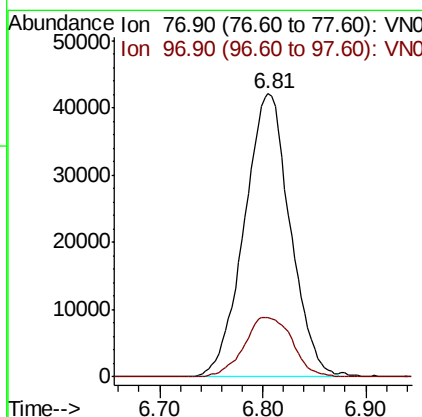
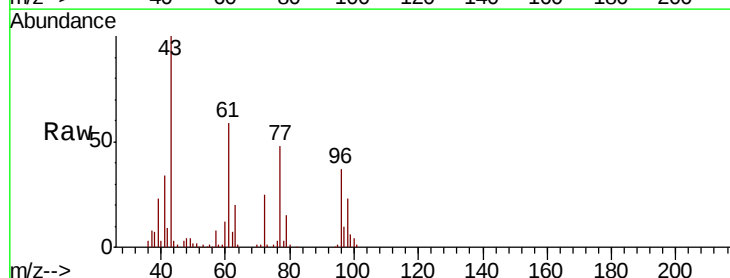
Manual Integrations
APPROVED

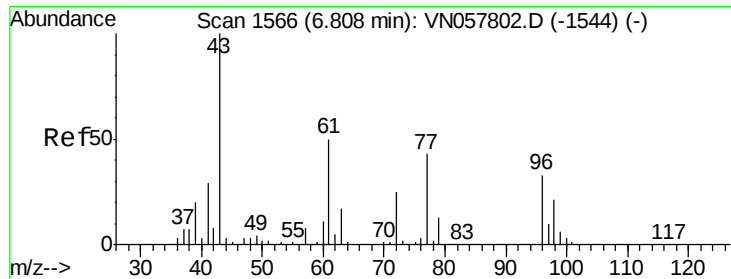
MMDadoda
9/10/2019 4:30:00 PM



#26
2,2-Dichloropropane
Concen: 16.109 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.3





#27

cis-1,2-Dichloroethene

Concen: 18.066 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

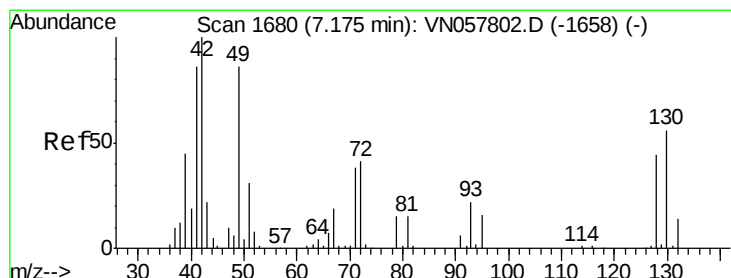
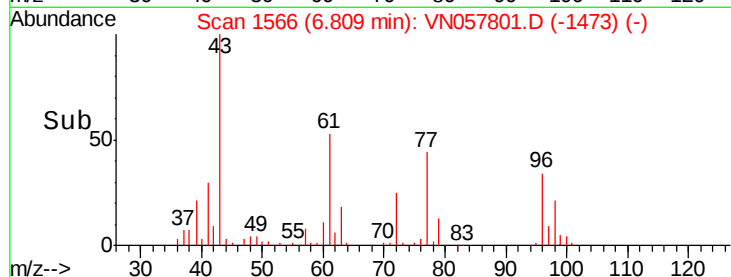
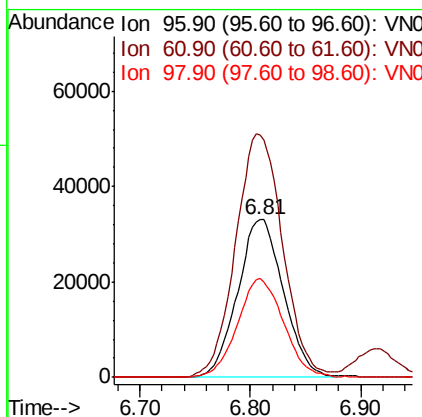
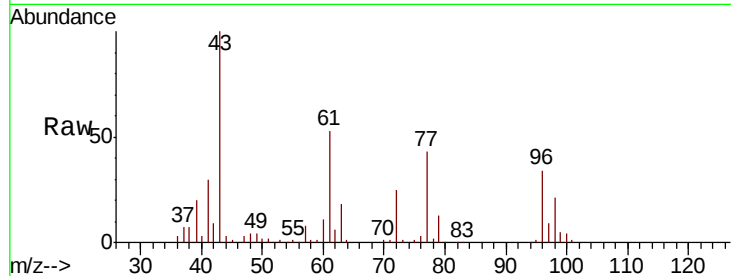
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	95248
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	314.0
98	62.9	0.0	128.6

Manual Integrations
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MMDadoda
9/10/2019 4:30:00 PM



#28

Bromochloromethane

Concen: 16.669 ug/l

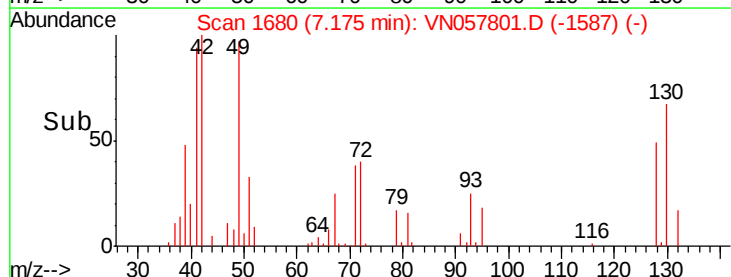
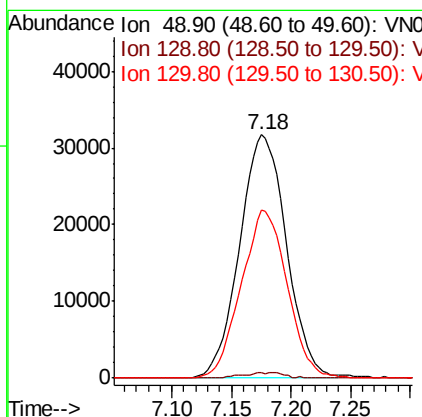
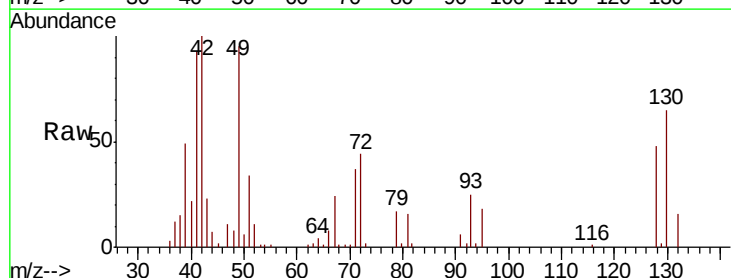
RT: 7.18 min Scan# 1680

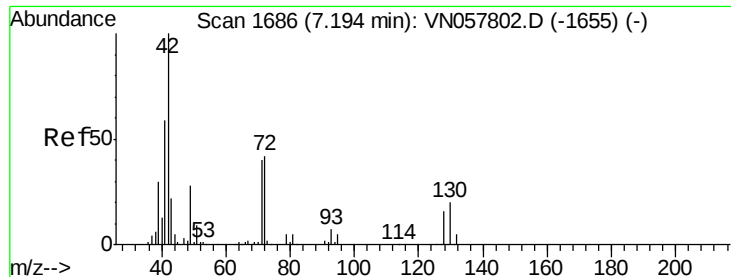
Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	49	Resp:	86363
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	67.7	53.0	79.6





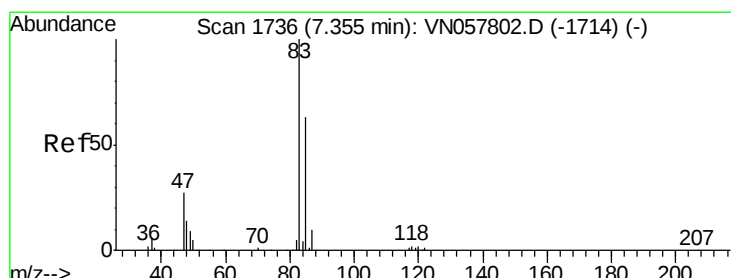
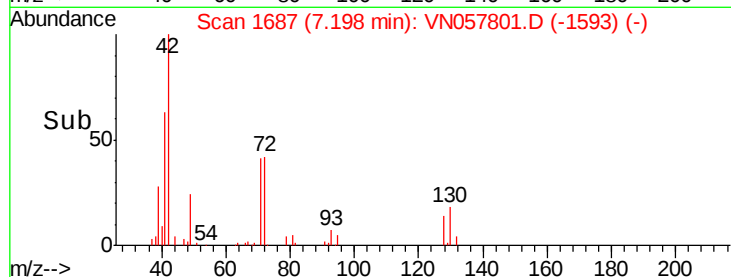
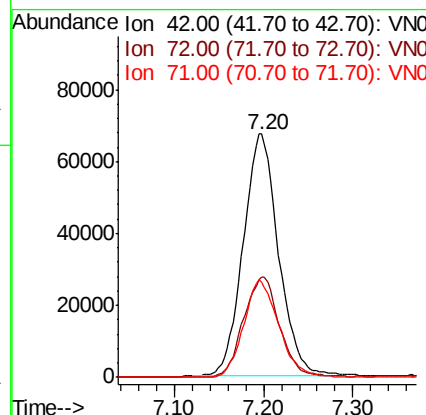
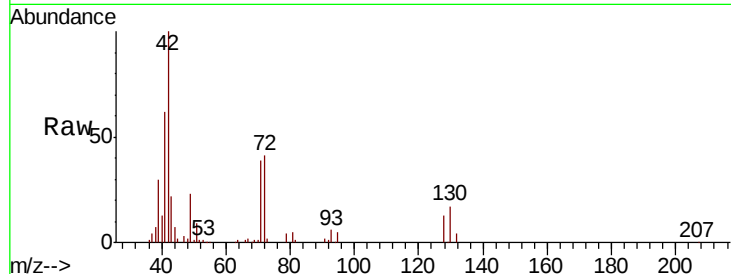
#29
Tetrahydrofuran
Concen: 84.337 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	39.7	31.9	47.9

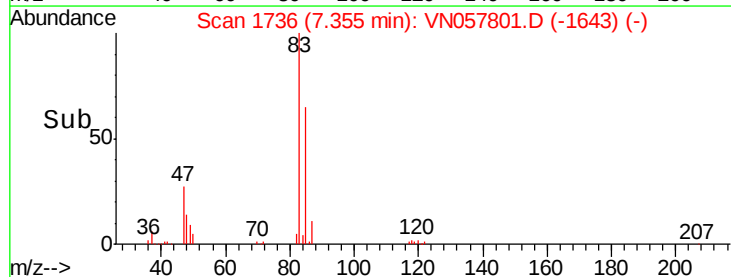
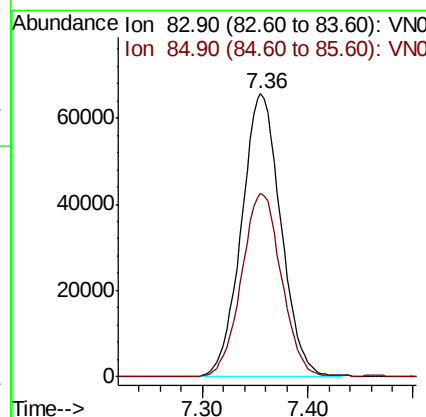
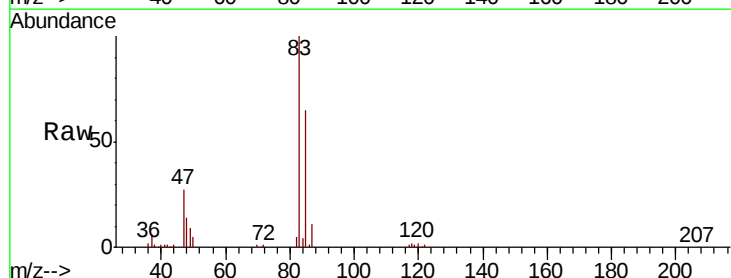
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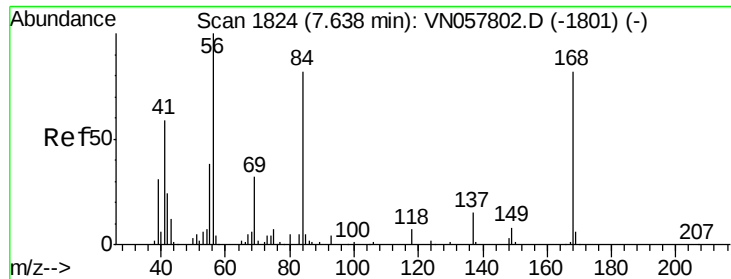
MMDadoda
9/10/2019 4:30:00 PM



#30
Chloroform
Concen: 16.661 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





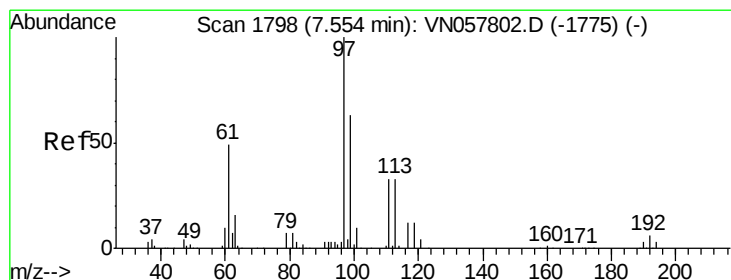
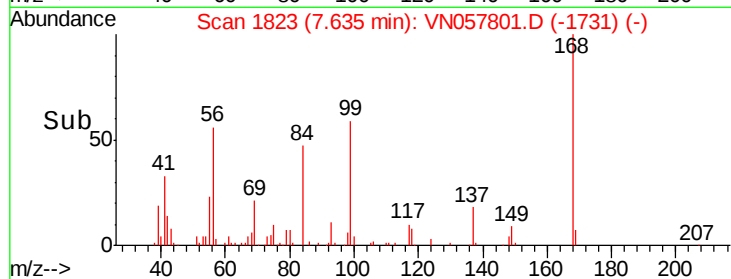
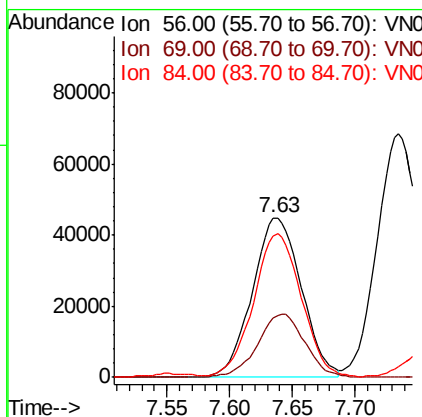
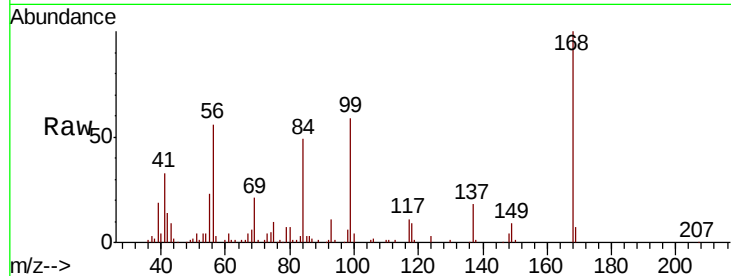
#31
Cyclohexane
Concen: 14.427 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.9	38.9
84	86.8	65.6	98.4

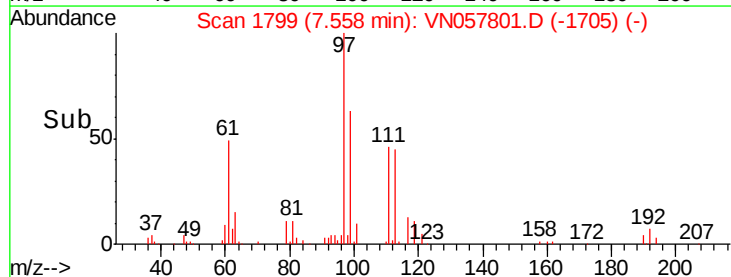
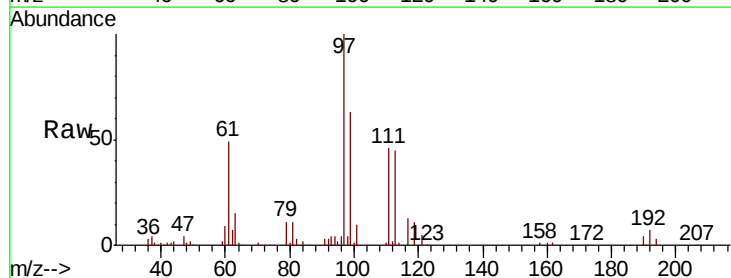
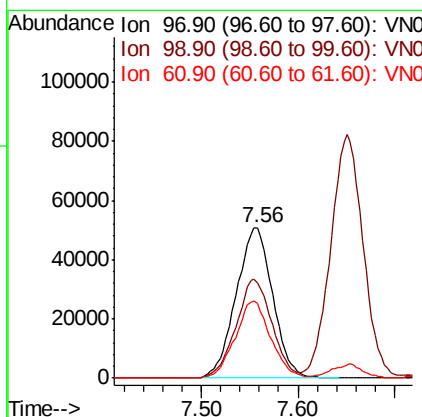
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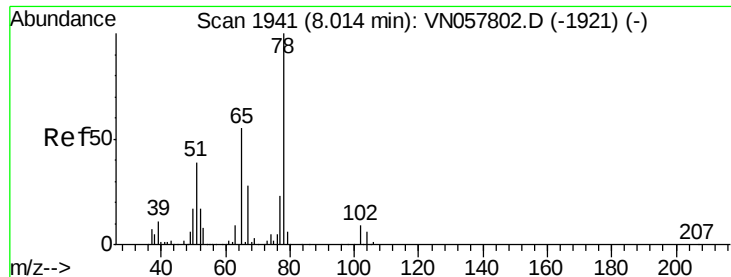
MMDadoda
9/10/2019 4:30:00 PM



#32
1,1,1-Trichloroethane
Concen: 15.852 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	49.8	39.0	58.6





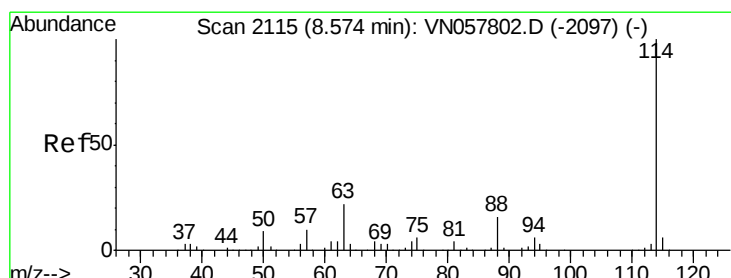
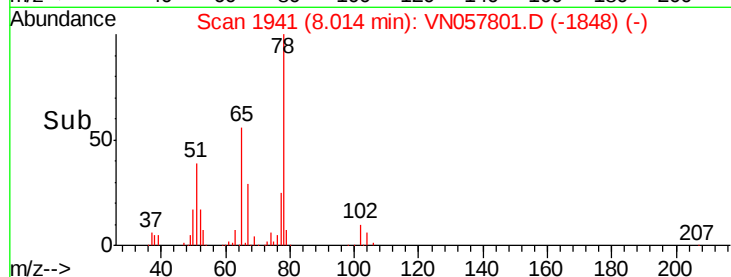
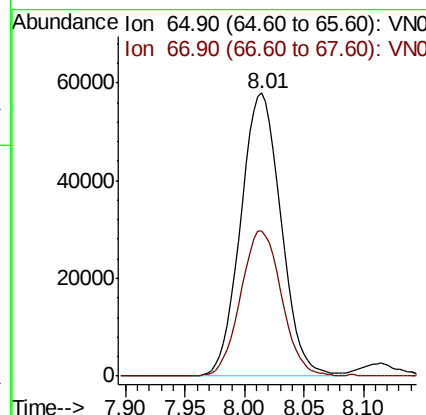
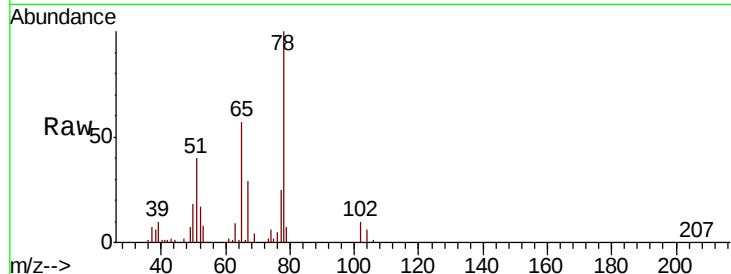
#33
 1,2-Dichloroethane-d4
 Concen: 17.856 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136498		
67	52.0	0.0	104.0	

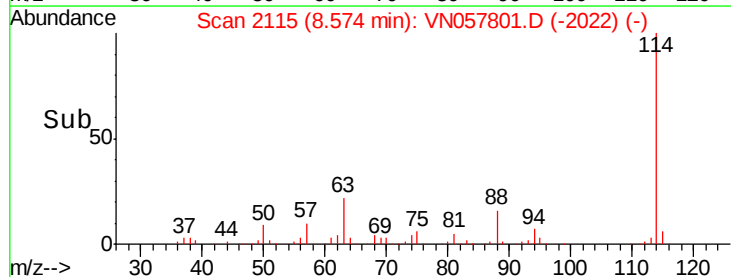
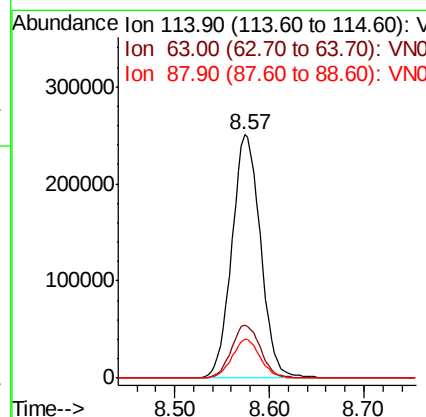
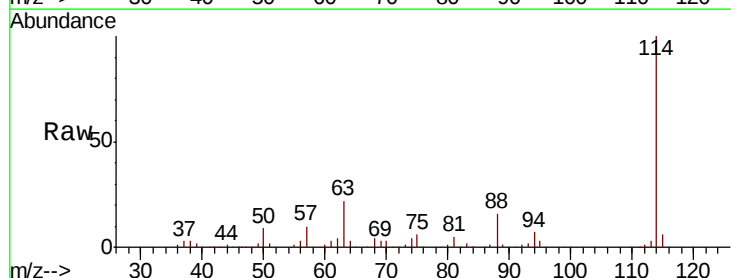
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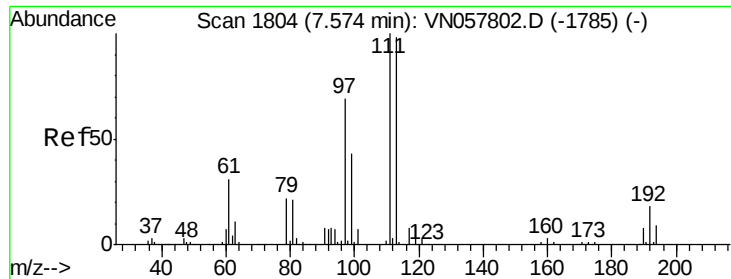
MMDadoda
 9/10/2019 4:30:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	529021		
63	21.7	0.0	44.0	
88	15.9	0.0	31.4	





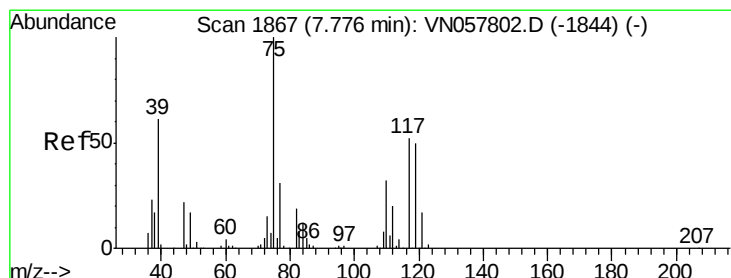
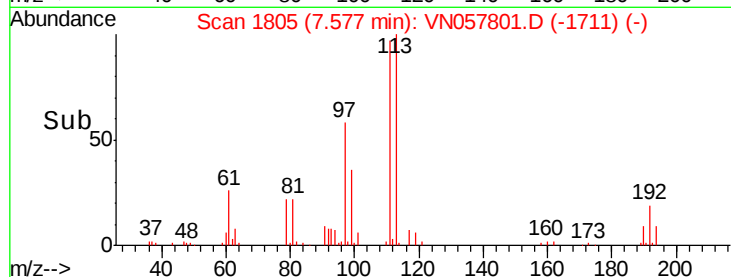
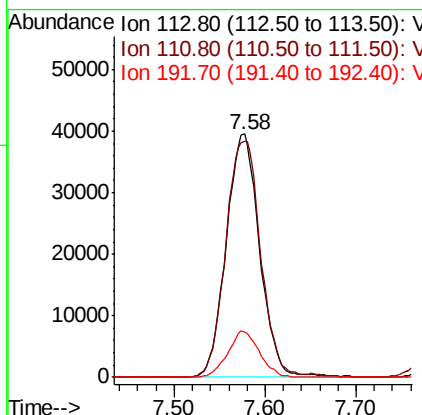
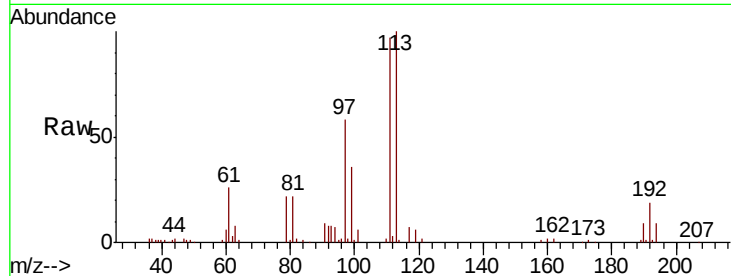
#35
Dibromofluoromethane
Concen: 20.940 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100679		
111	101.3		81.3	121.9
192	18.1		14.6	22.0

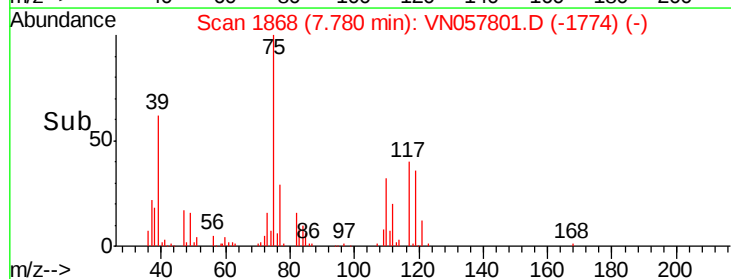
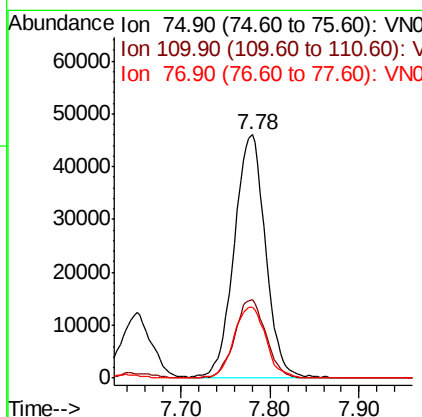
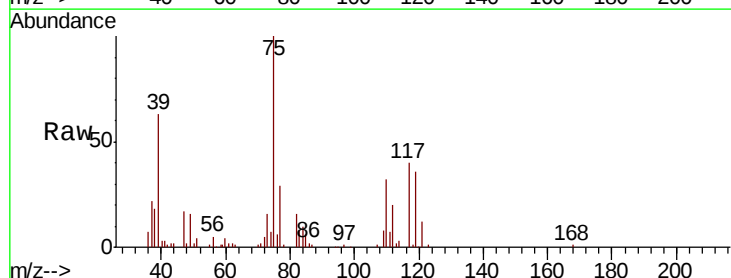
Manual Integrations
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9/10/2019 4:30:00 PM



#36
1,1-Dichloropropene
Concen: 16.414 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112396		
110	32.1		16.3	48.9
77	30.0		25.0	37.4





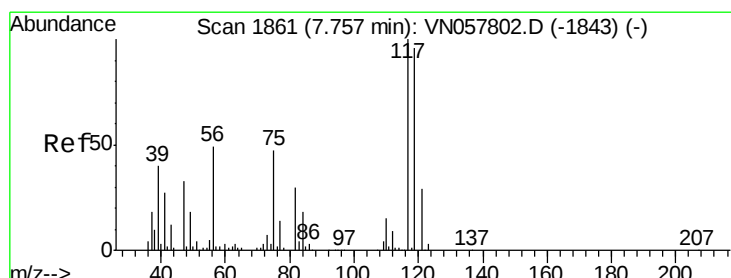
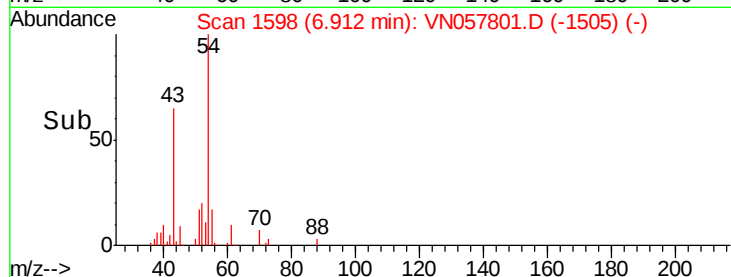
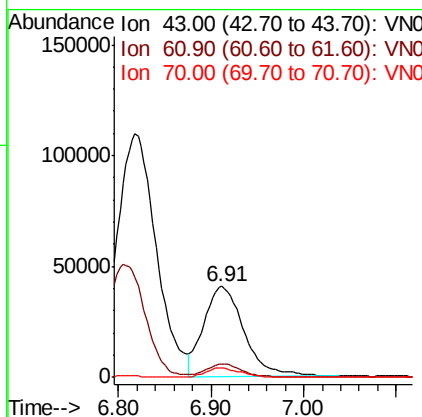
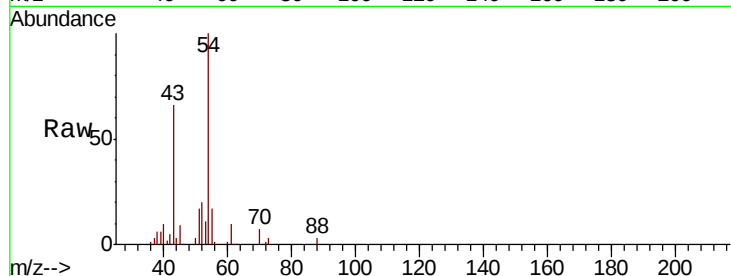
#37
Ethyl Acetate
Concen: 17.861 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.5	15.7
70	9.4	7.4	11.0

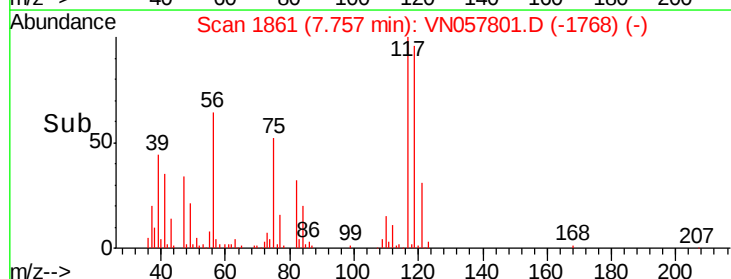
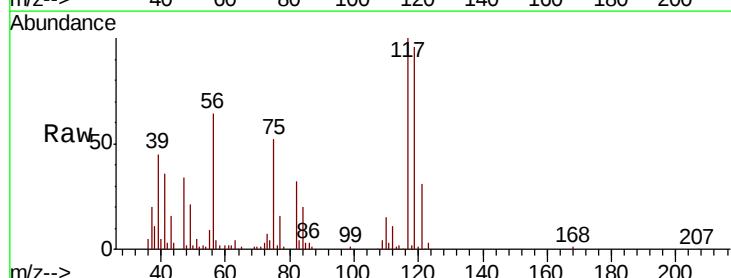
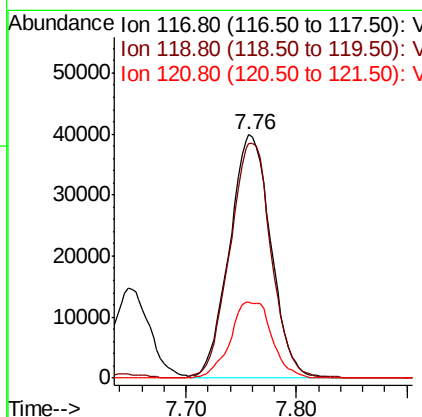
Manual Integrations
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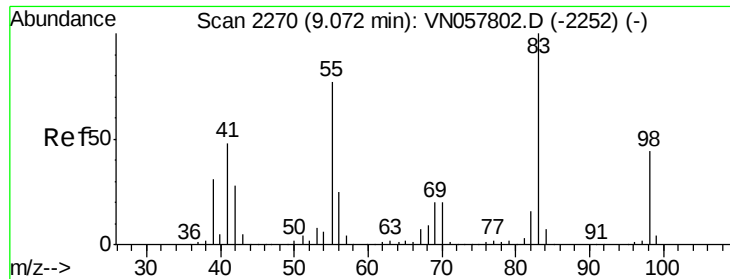
MMDadoda
9/10/2019 4:30:00 PM



#38
Carbon Tetrachloride
Concen: 15.928 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.9	115.3
121	31.0	23.4	35.2





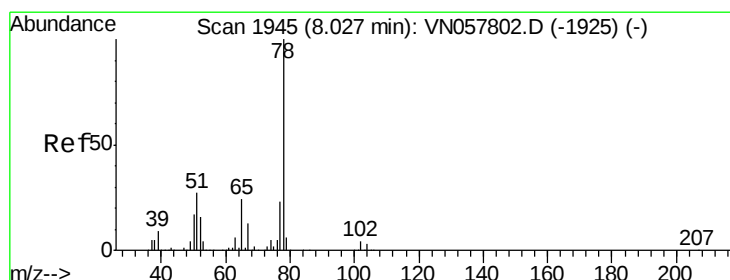
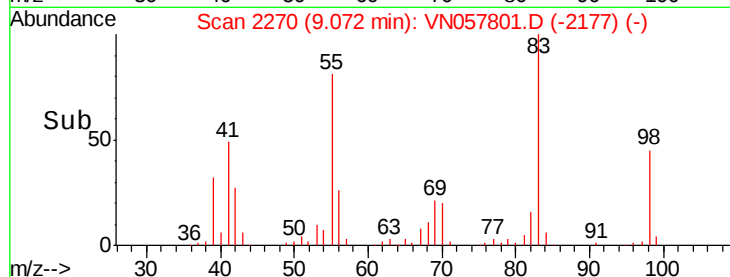
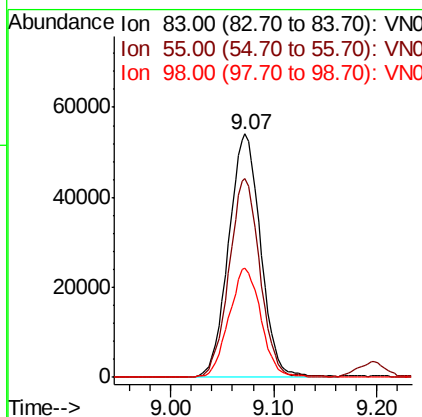
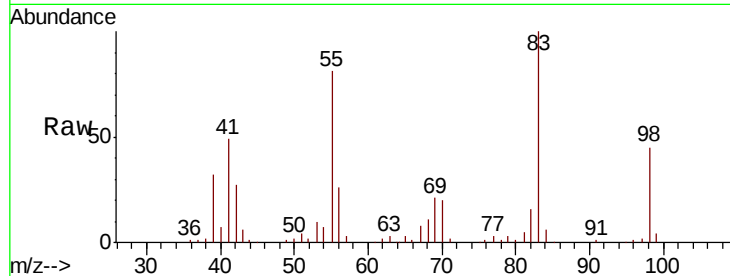
#39
Methvlcvclohexane
Concen: 16.237 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	116858
Ion Ratio	100	Lower	Upper
83	100		
55	81.5	61.6	92.4
98	45.0	34.9	52.3

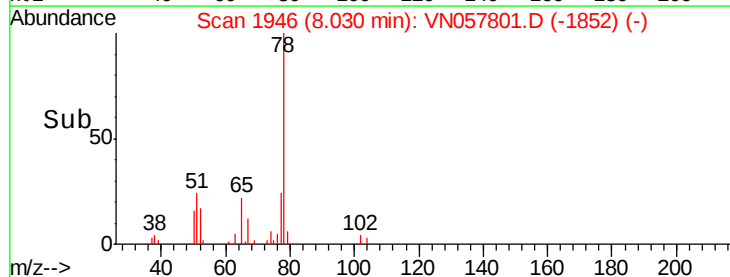
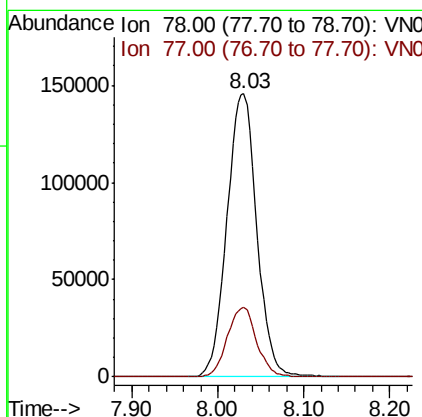
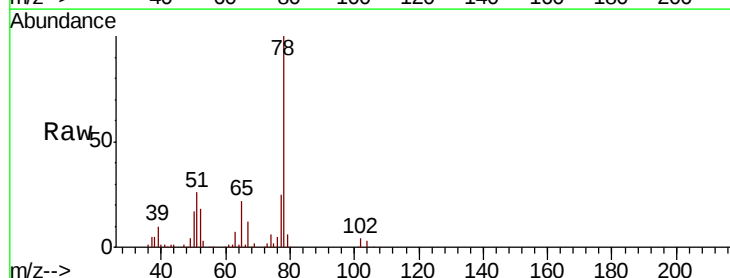
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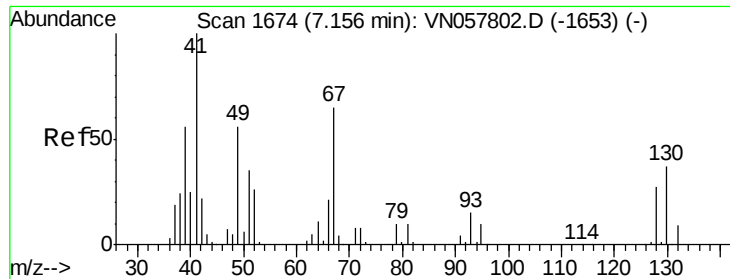
MMDadoda
9/10/2019 4:30:00 PM



#40
Benzene
Concen: 17.931 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	78.00	Resp	351018
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	18.3	27.5





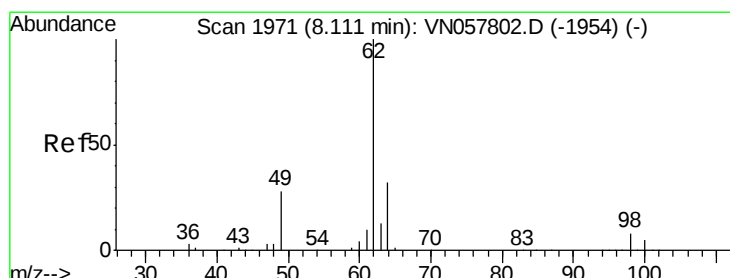
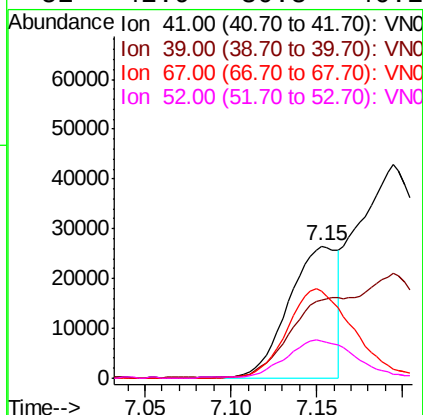
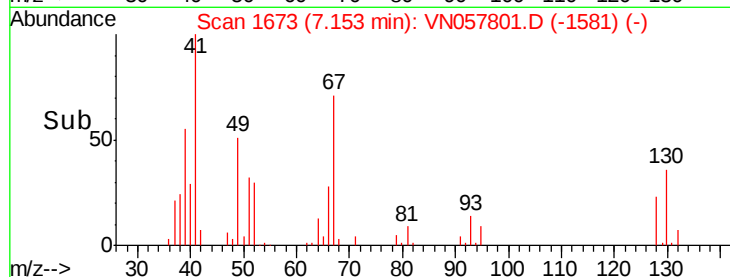
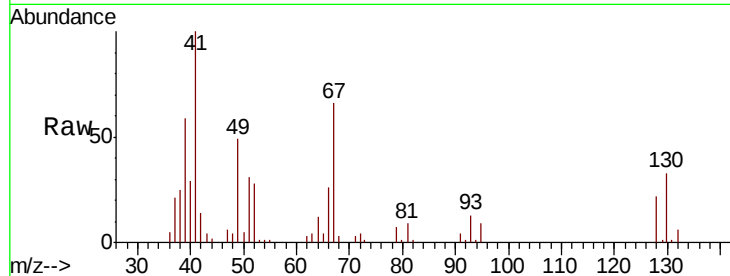
#41
Methacrylonitrile
Concen: 15.854 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	52752
Ion	Ratio	Lower	Upper
41	100		
39	66.0	51.0	76.6
67	92.7	70.7	106.1
52	42.9	30.8	46.2

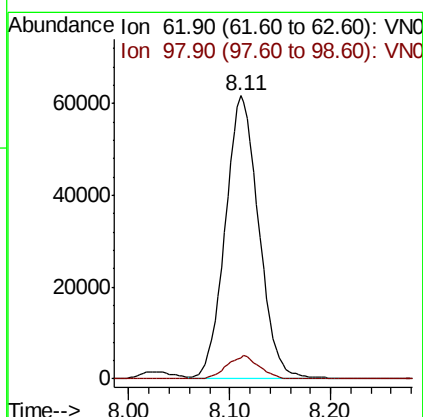
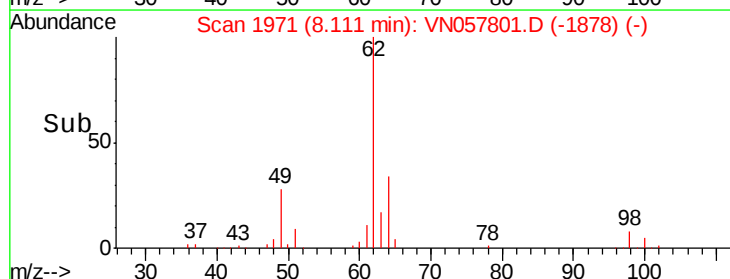
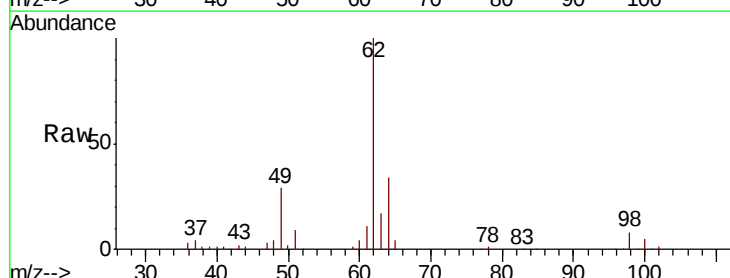
Manual Integrations
APPROVED

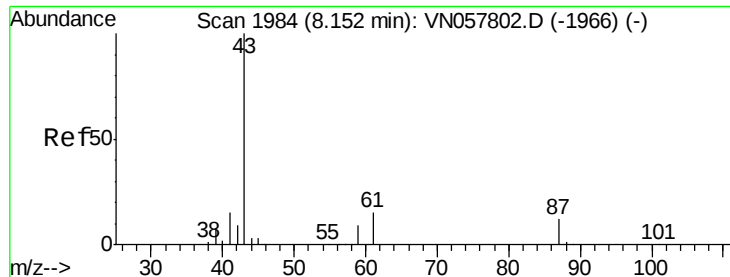
MMDadoda
9/10/2019 4:30:00 PM



#42
1,2-Dichloroethane
Concen: 15.912 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion:	62	Resp:	142796
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 15.732 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

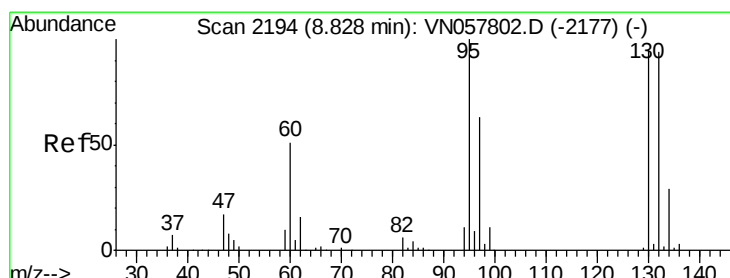
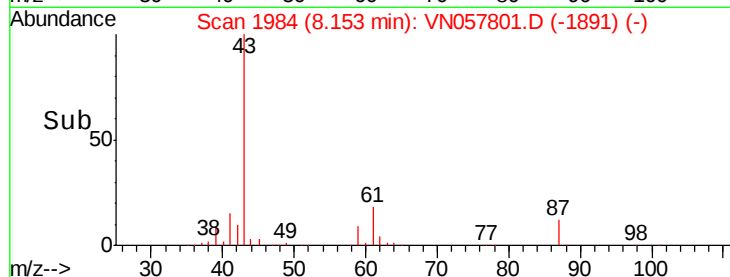
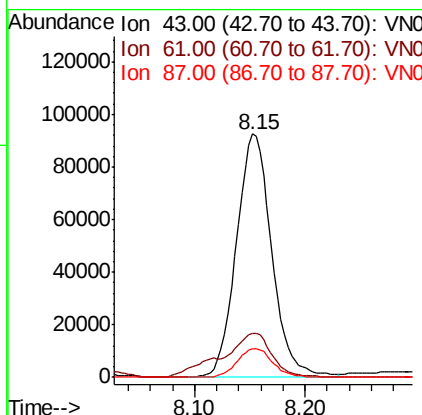
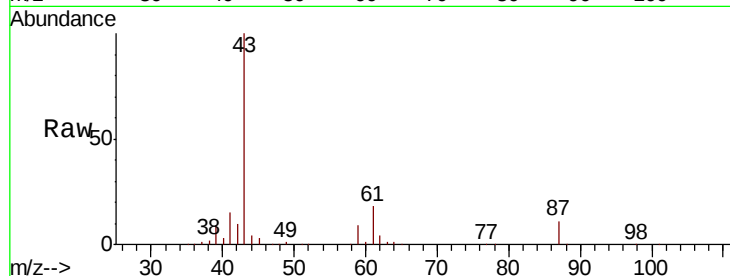
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	204054
Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.1	30.1
87	11.9	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.233 ug/l

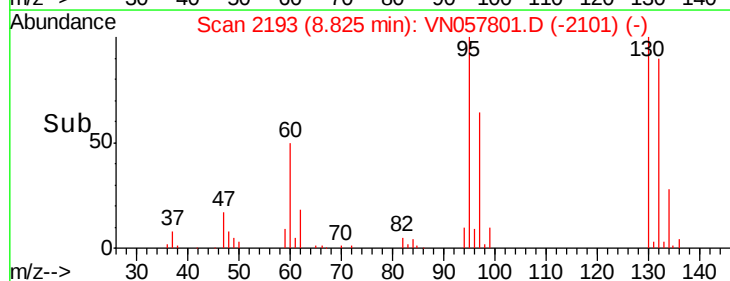
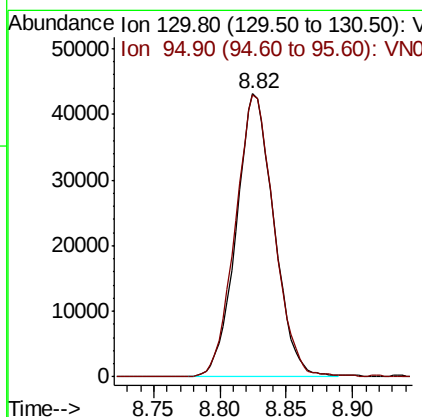
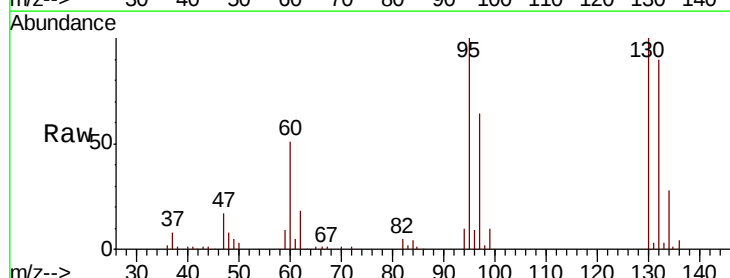
RT: 8.82 min Scan# 2193

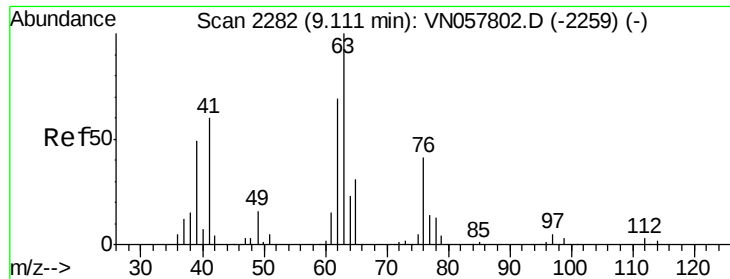
Delta R.T. -0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	130	Resp:	85134
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	211.4





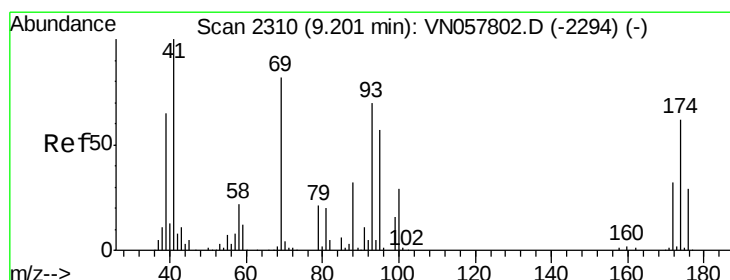
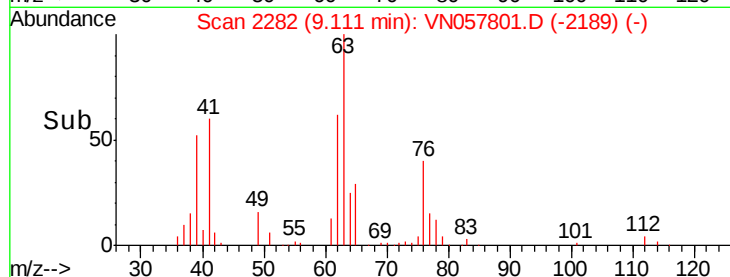
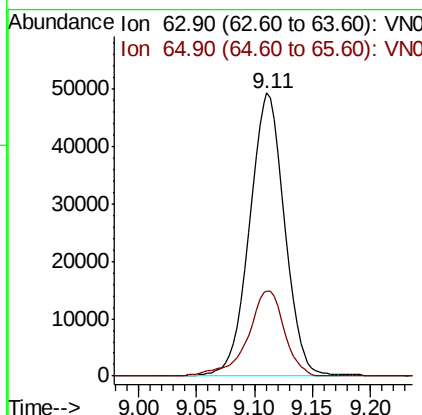
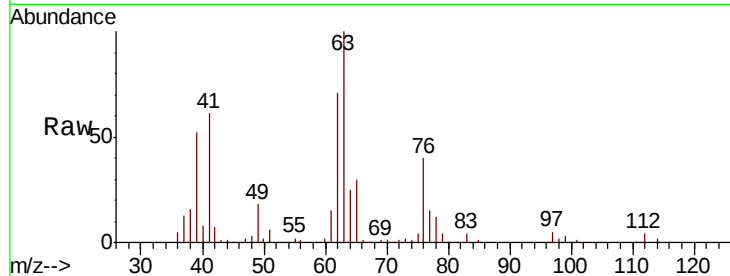
#45
 1,2-Dichloropropane
 Concen: 18.896 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 103875
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2

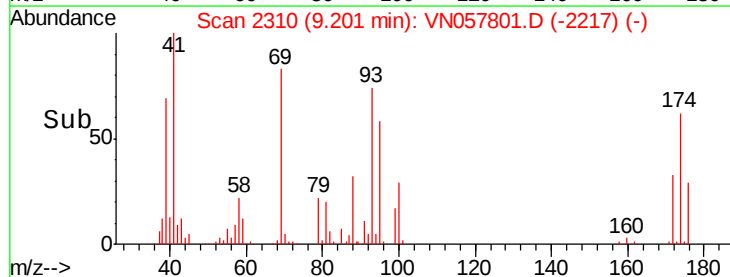
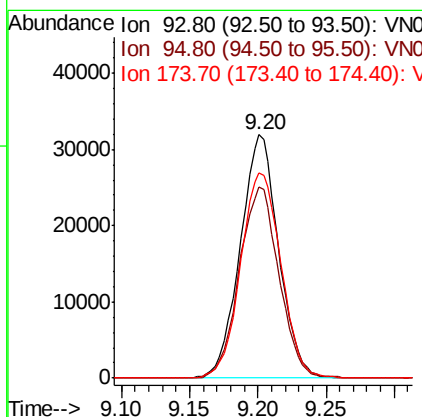
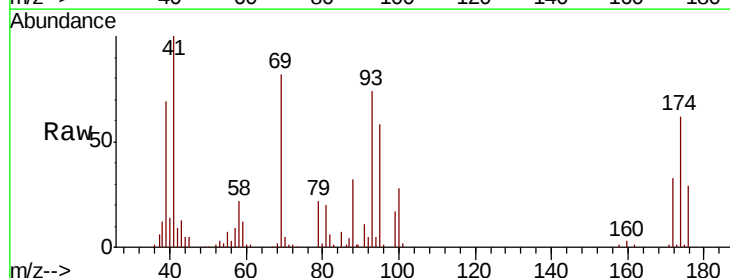
Manual Integrations
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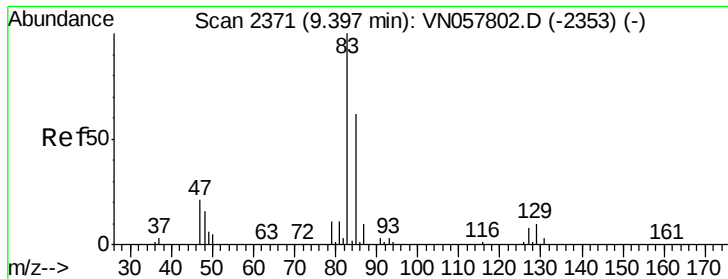
MMDadoda
 9/10/2019 4:30:00 PM



#46
 Dibromomethane
 Concen: 17.811 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion: 93 Resp: 62221
 Ion Ratio Lower Upper
 93 100
 95 80.9 65.9 98.9
 174 88.7 71.8 107.6





#47

Bromodichloromethane

Concen: 16.566 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

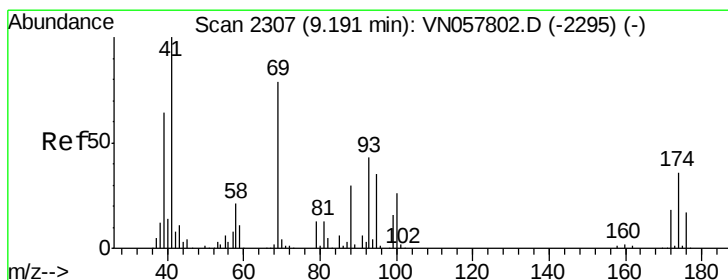
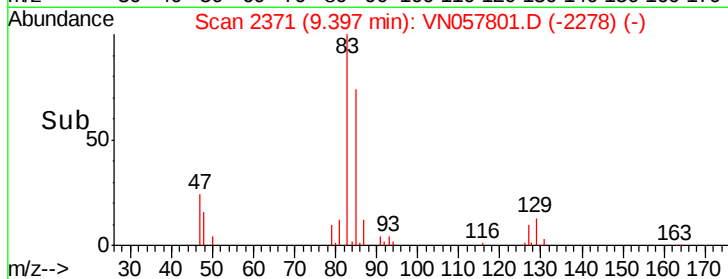
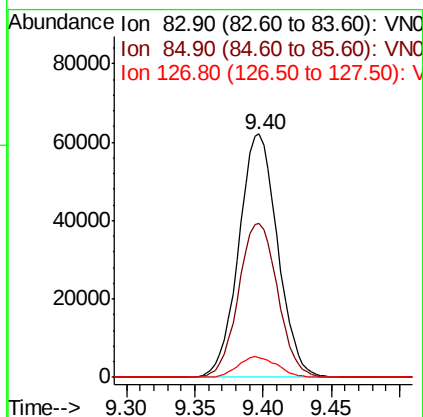
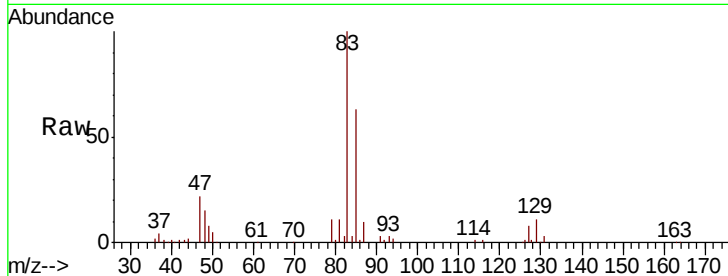
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	122897
Ion Ratio	Lower	Upper	
83	100		
85	63.2	49.9	74.9
127	8.0	6.5	9.7

Manual Integrations
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MMDadoda
9/10/2019 4:30:00 PM



#48

Methyl methacrylate

Concen: 14.809 ug/l

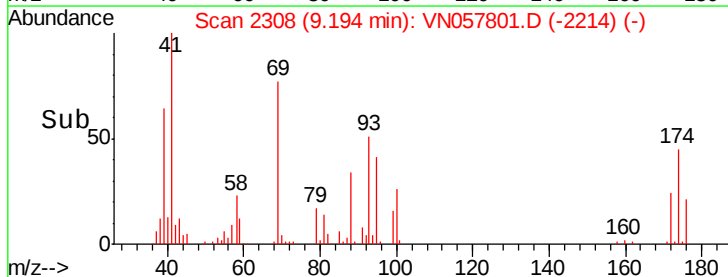
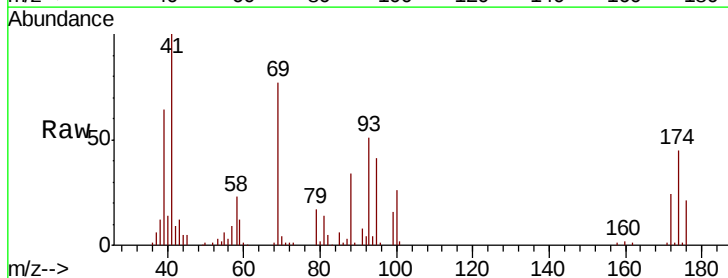
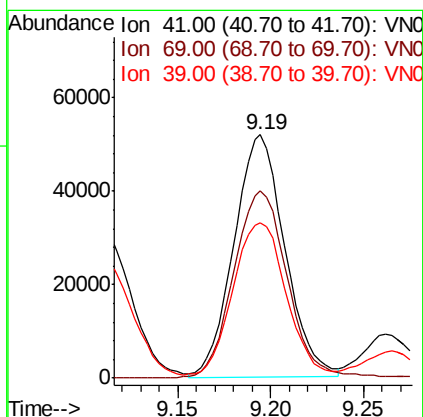
RT: 9.19 min Scan# 2308

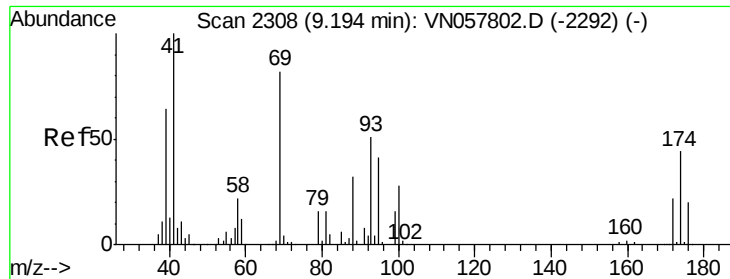
Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	41	Resp:	98729
Ion Ratio	Lower	Upper	
41	100		
69	82.0	62.7	94.1
39	67.8	52.7	79.1





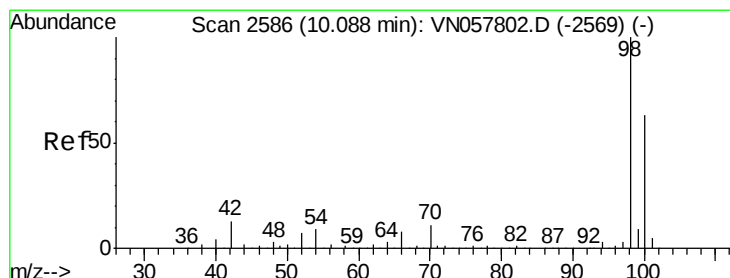
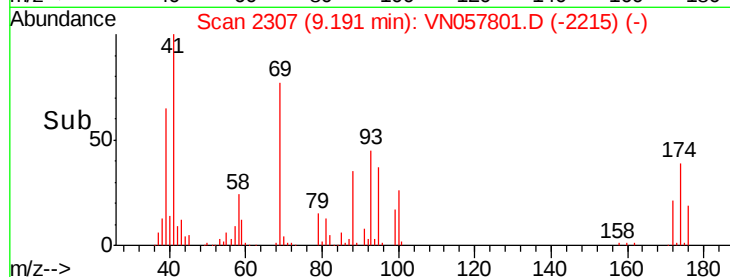
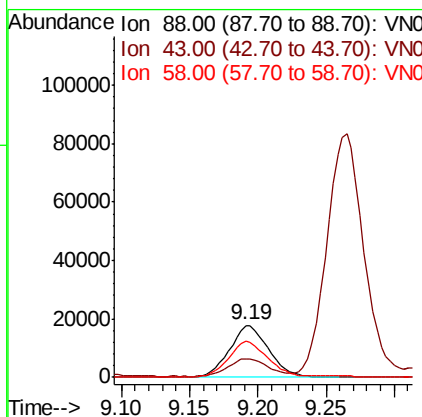
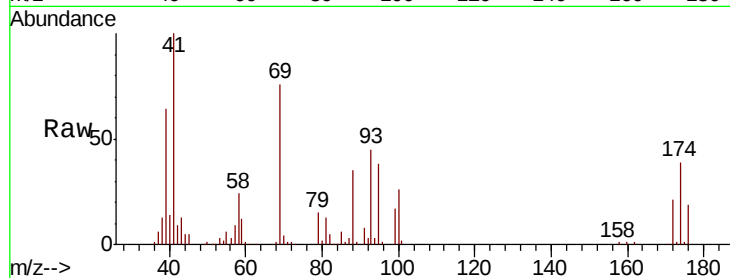
#49
1,4-Dioxane
Concen: 438.299 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.5	42.7
58	69.8	55.8	83.6

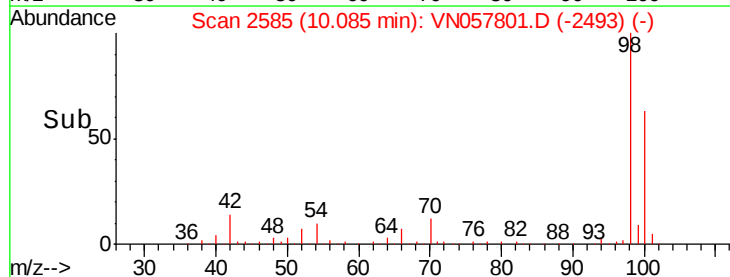
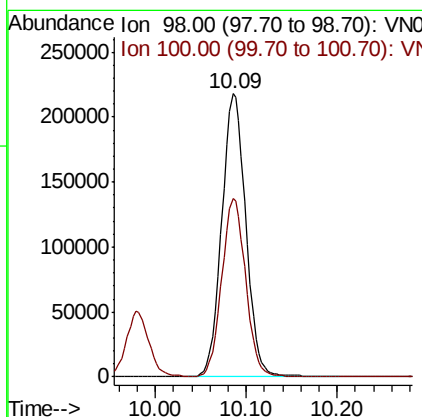
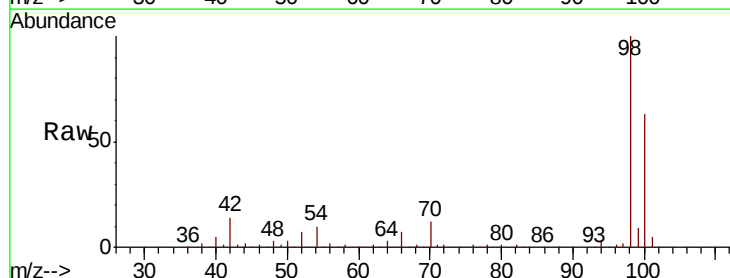
Manual Integrations
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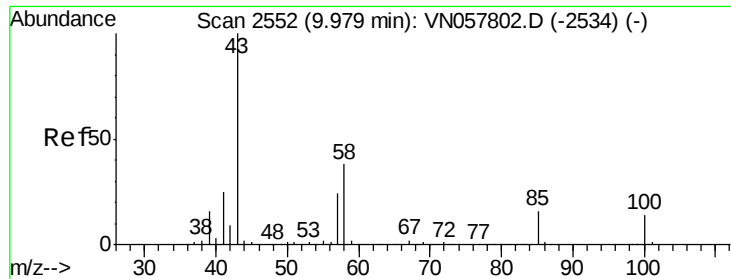
MMDadoda
9/10/2019 4:30:00 PM



#50
Toluene-d8
Concen: 22.252 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 88.534 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 646102

Ion Ratio Lower Upper

43 100

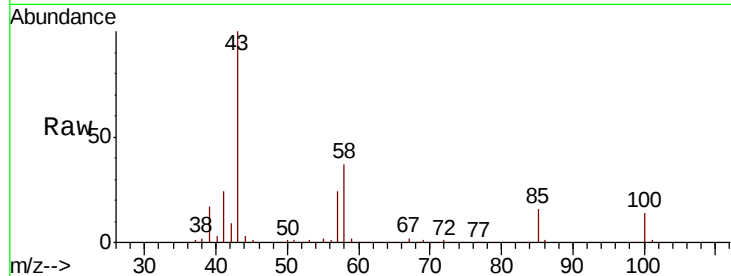
58 37.1 29.8 44.6

Manual Integrations

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MMDadoda

9/10/2019 4:30:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

9.98

400000

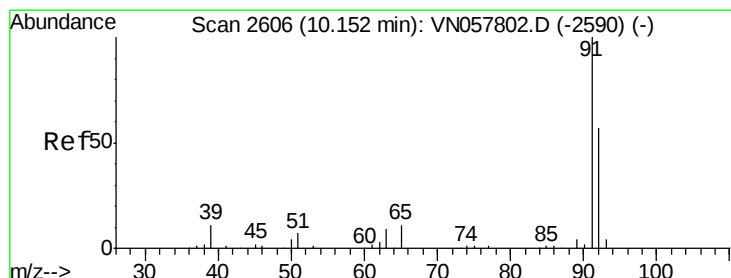
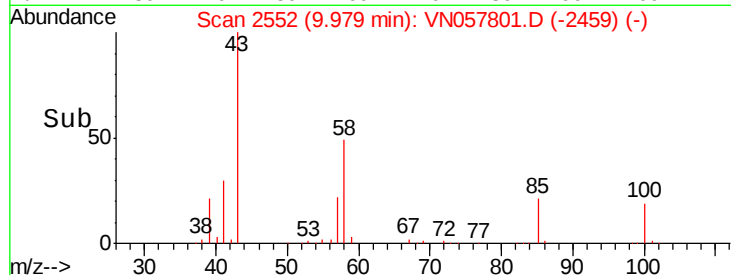
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.115 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057801.D

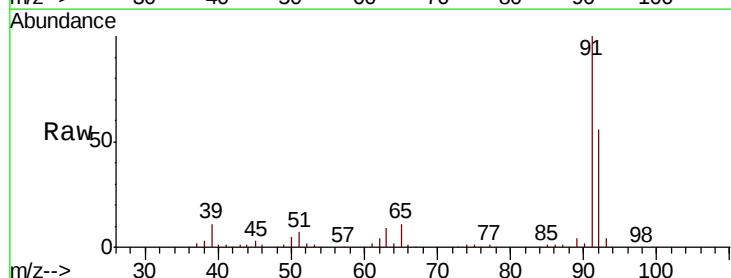
Acq: 9 Sep 2019 15:26

Tgt Ion: 92 Resp: 216492

Ion Ratio Lower Upper

92 100

91 179.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

250000

200000

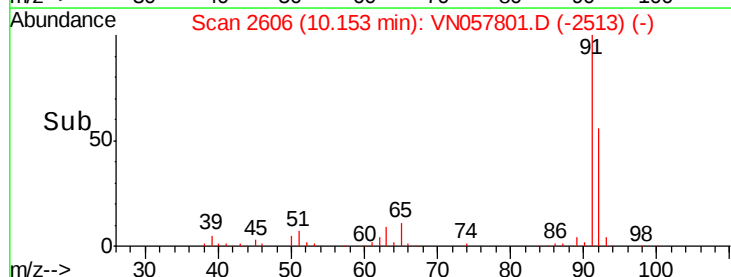
150000

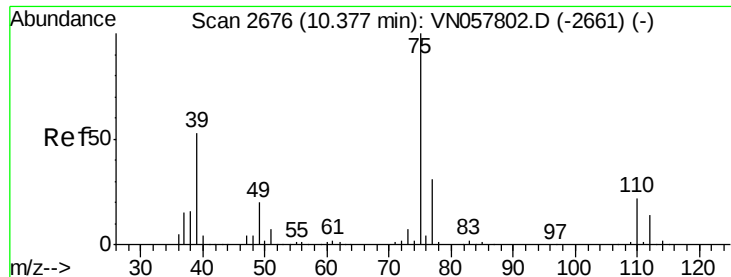
100000

50000

0

Time-->





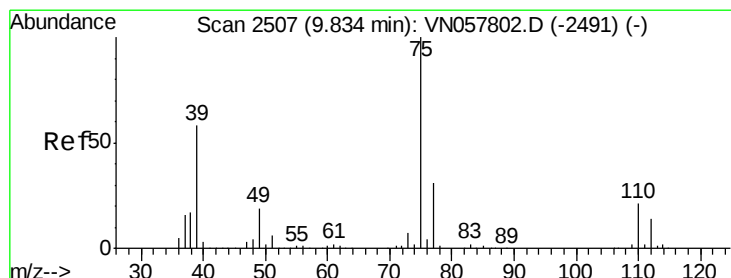
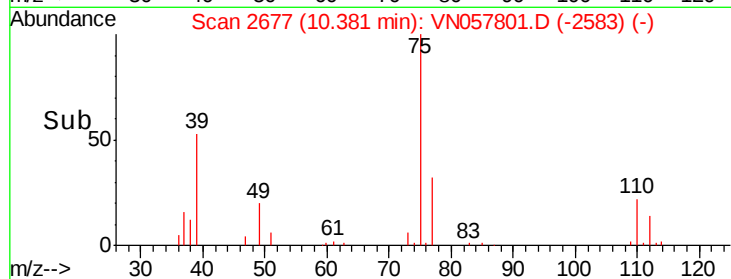
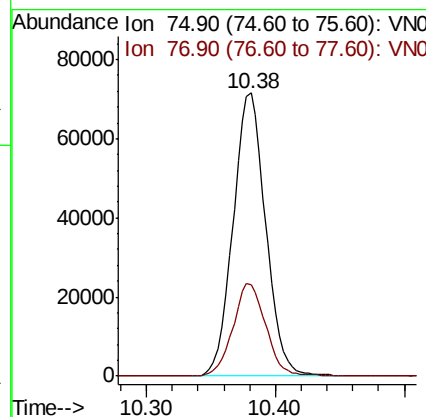
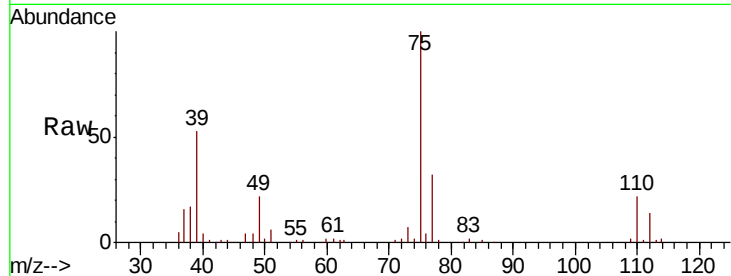
#53
 t-1,3-Dichloropropene
 Concen: 16.712 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 125084
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.5 36.7

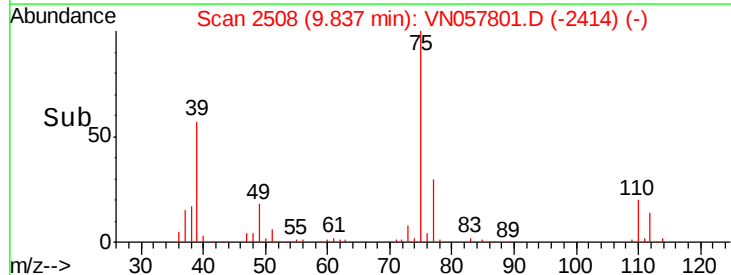
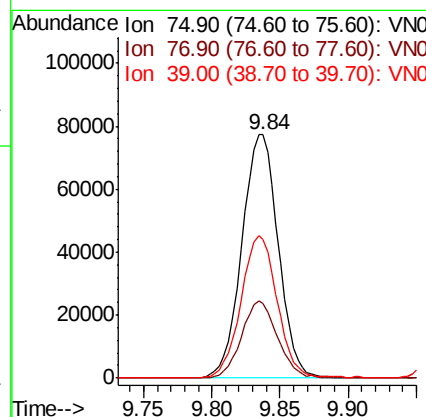
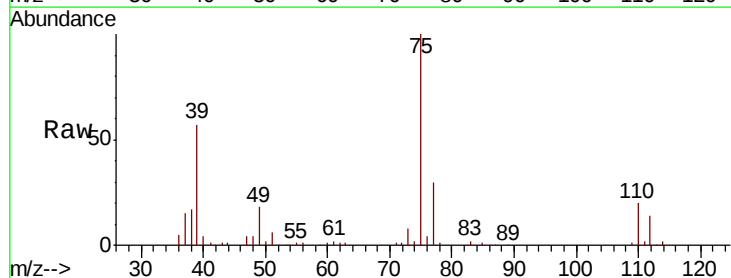
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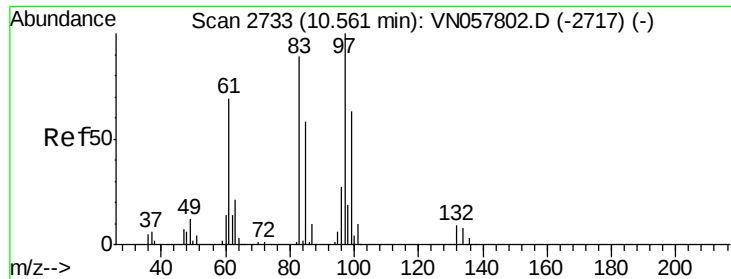
MMDadoda
 9/10/2019 4:30:00 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.682 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion: 75 Resp: 143458
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.8 37.2
 39 56.7 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 18.898 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

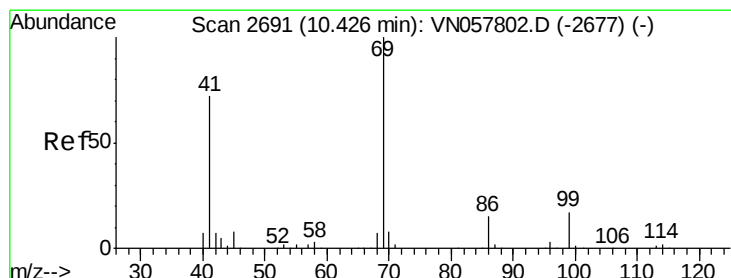
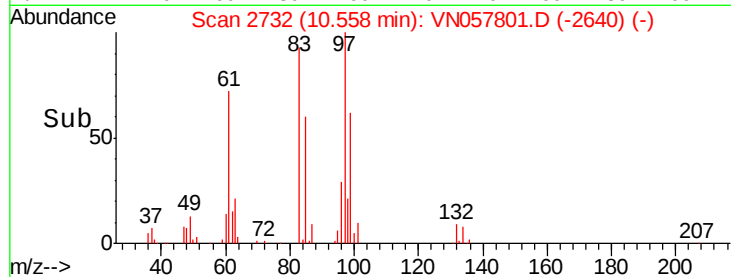
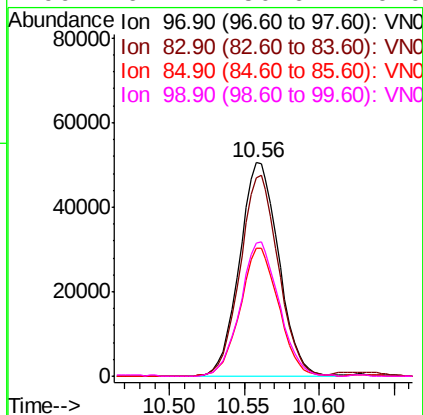
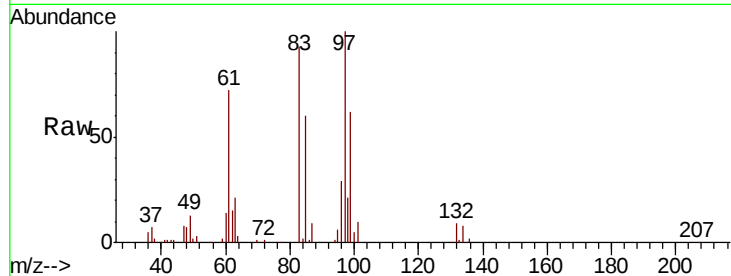
ClientSampled :

VSTDIC020

Tot Ion:	97	Resp:	92162
Ion	Ratio	Lower	Upper
97	100		
83	93.2	70.8	106.2
85	59.9	46.0	69.0
99	62.1	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.190 ug/l

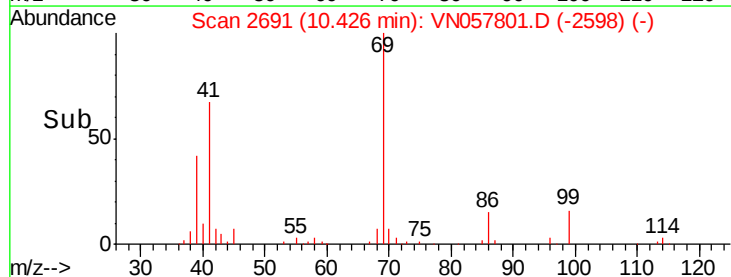
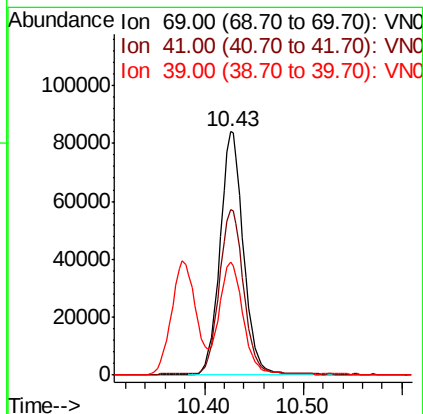
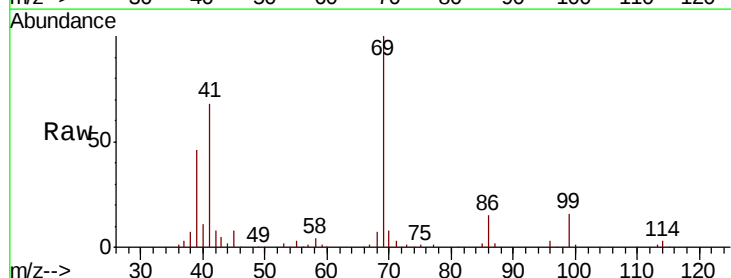
RT: 10.43 min Scan# 2691

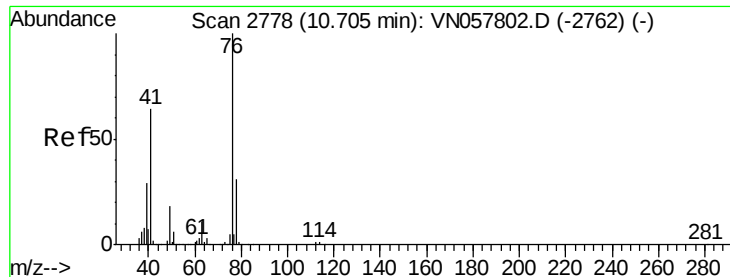
Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	69	Resp:	140423
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.7	85.1
39	46.7	36.3	54.5





#57

1,3-Dichloropropane

Concen: 18.540 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 161601

Ion Ratio Lower Upper

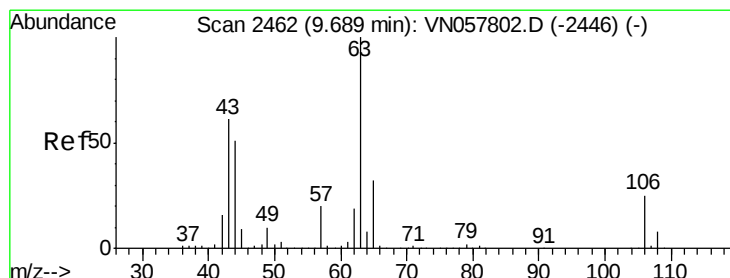
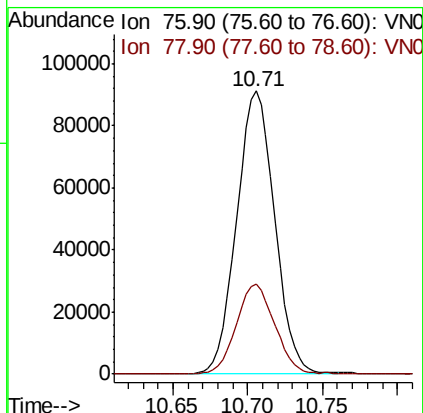
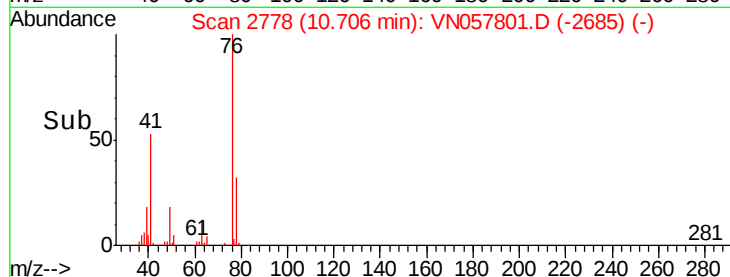
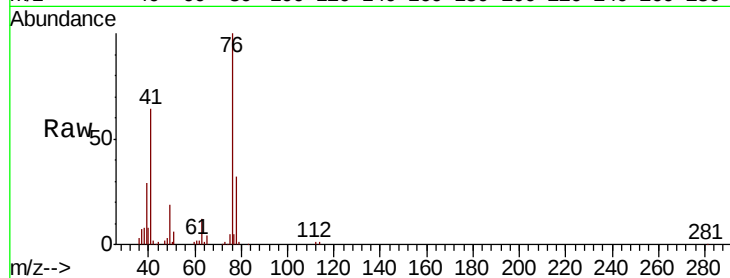
76 100

78 32.0 25.4 38.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 93.529 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057801.D

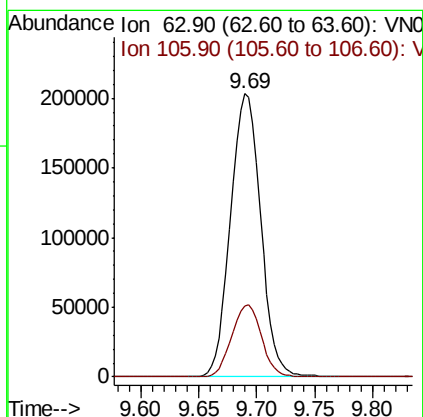
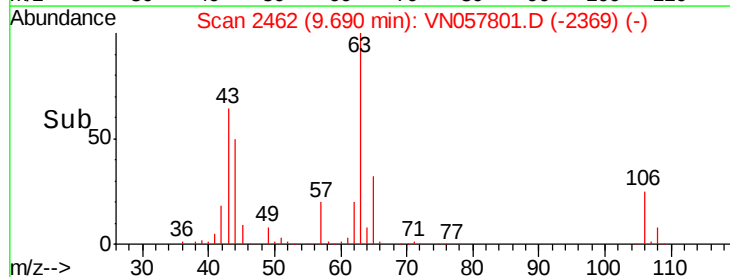
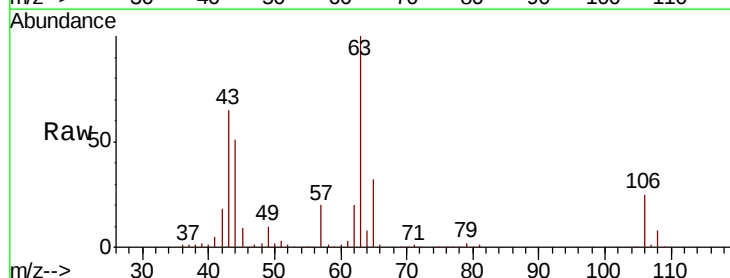
Acq: 9 Sep 2019 15:26

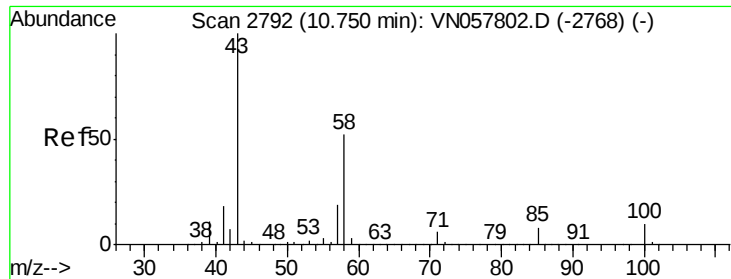
Tgt Ion: 63 Resp: 366746

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





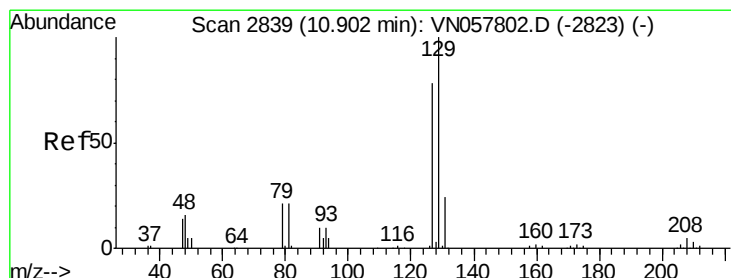
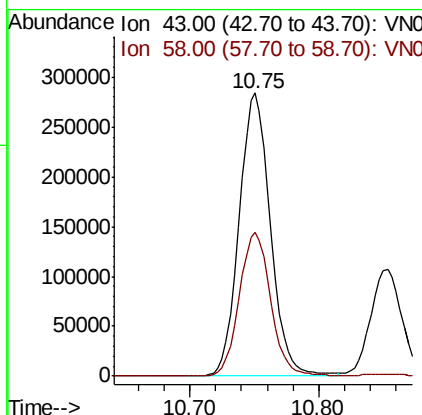
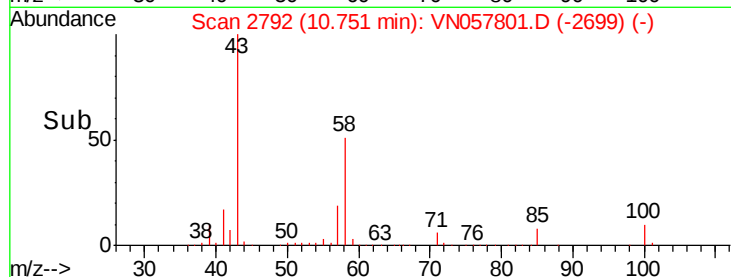
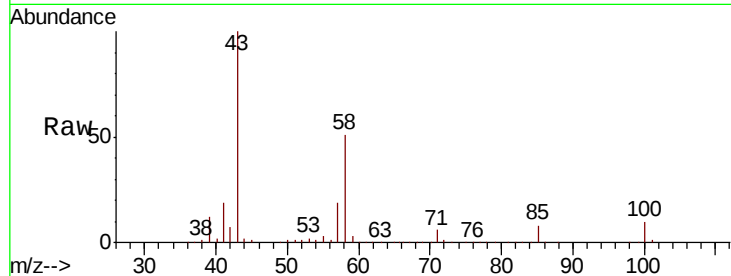
#59
2-Hexanone
Concen: 91.905 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 477017
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

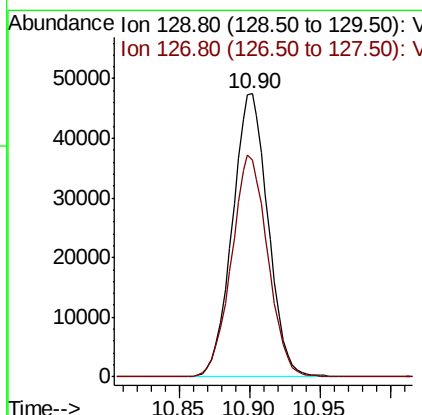
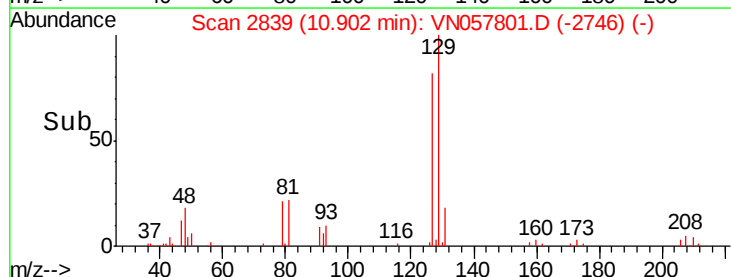
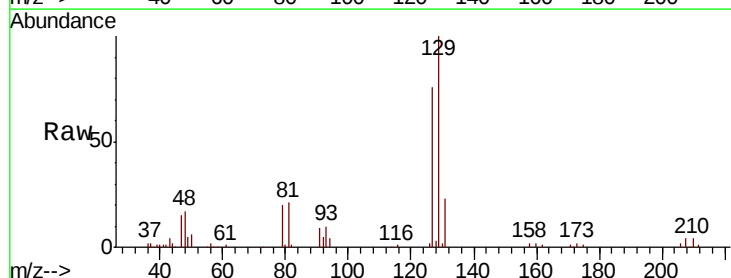
Manual Integrations
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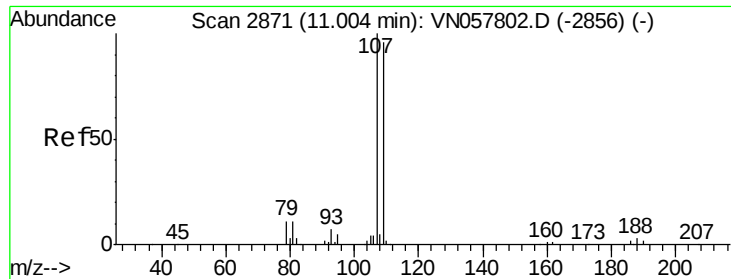
MMDadoda
9/10/2019 4:30:00 PM



#60
Dibromochloromethane
Concen: 17.875 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion: 129 Resp: 83983
Ion Ratio Lower Upper
129 100
127 79.3 38.6 116.0





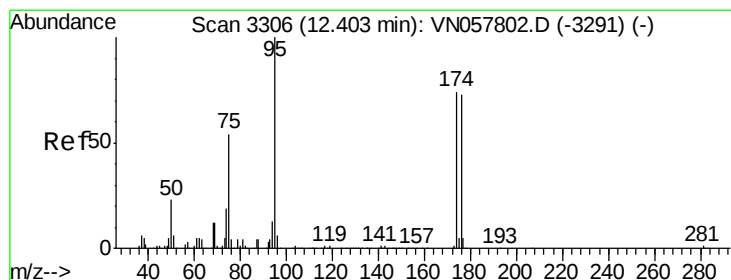
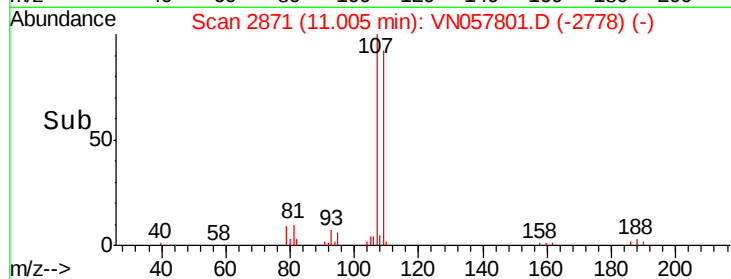
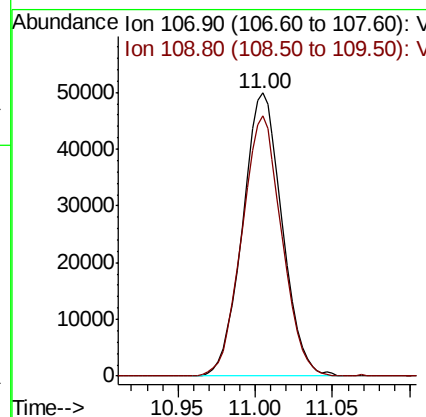
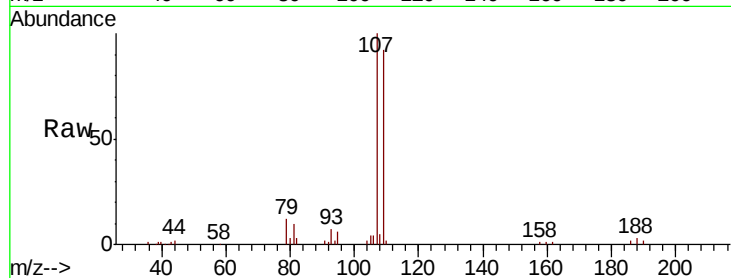
#61
 1,2-Dibromoethane
 Concen: 19.067 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.3	112.9

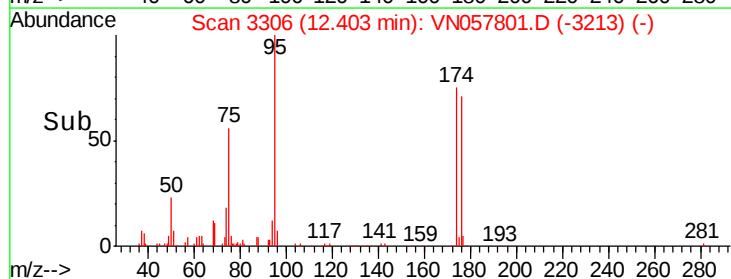
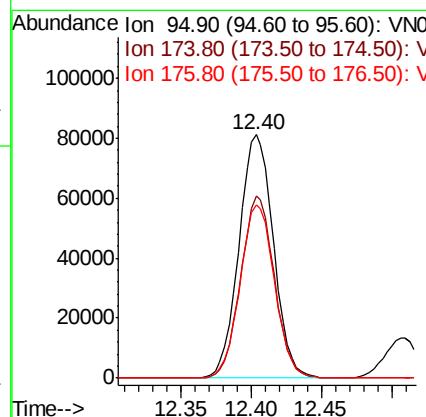
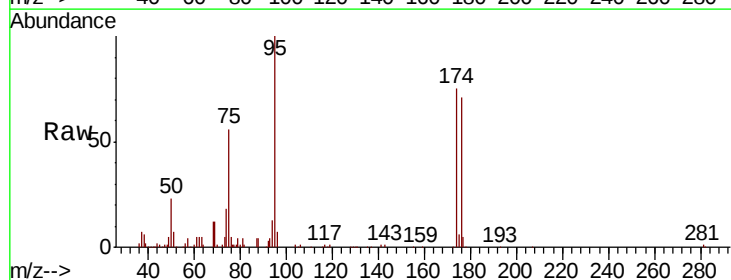
Manual Integrations
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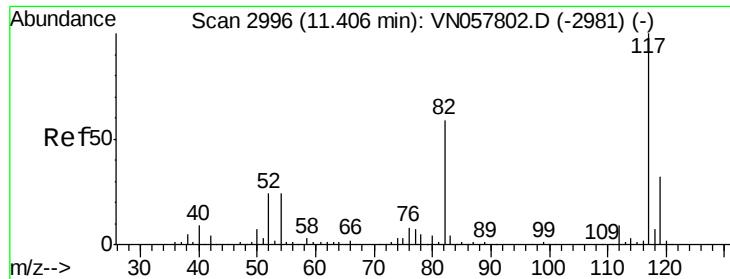
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 9/10/2019 4:30:00 PM



#62
 4-Bromofluorobenzene
 Concen: 19.023 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	150.2
176	71.6	0.0	146.0





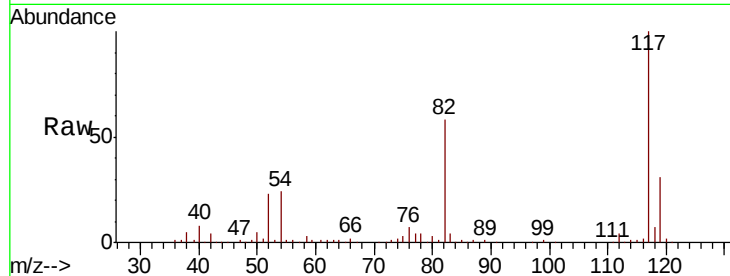
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	30.9	25.3	37.9

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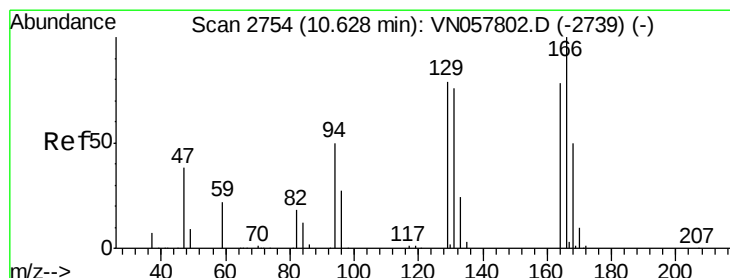
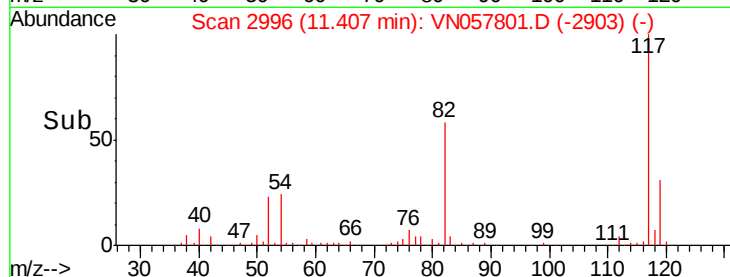
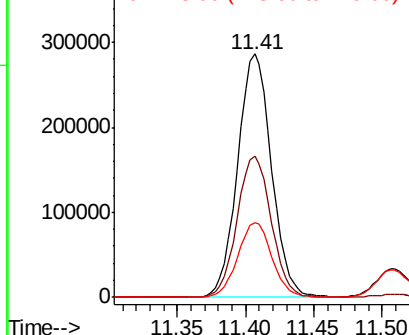


Abundance

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: 17.644 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	102.2	153.2
129	101.2	80.8	121.2
131	97.1	77.4	116.2

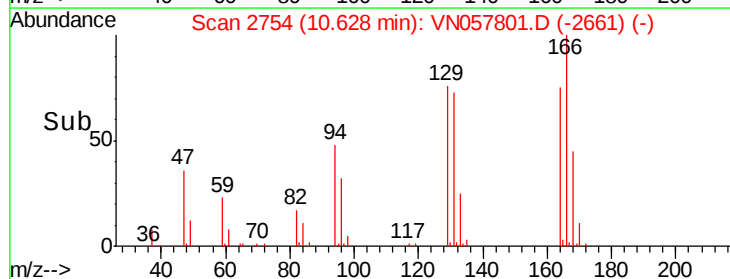
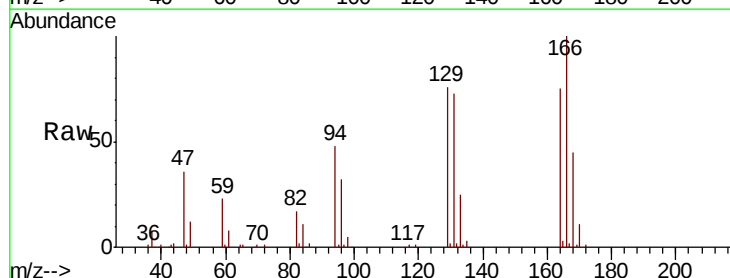
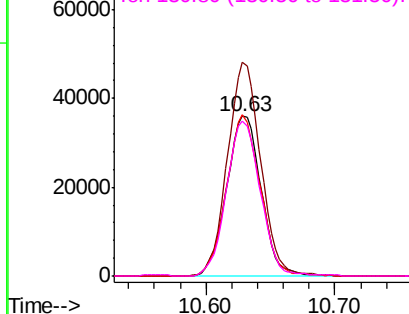
Abundance

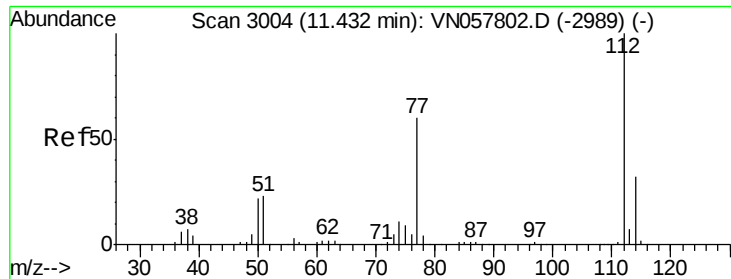
Ion 163.80 (163.50 to 164.50): V

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: 18.874 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 243891

Ion Ratio Lower Upper

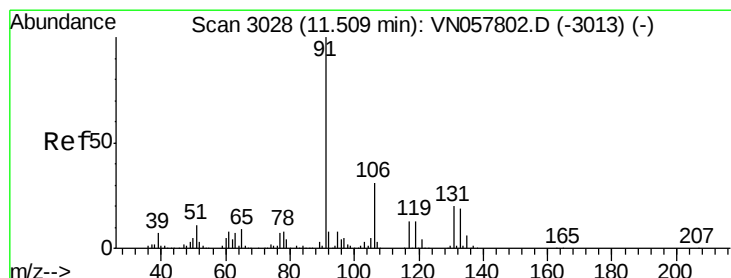
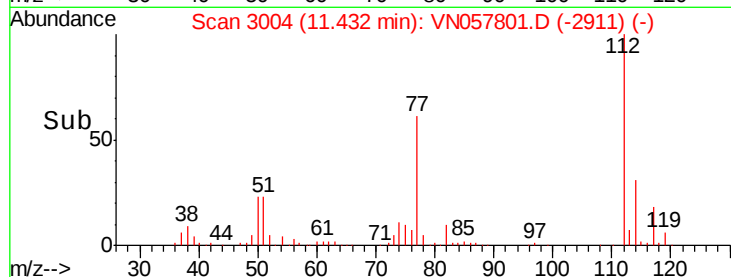
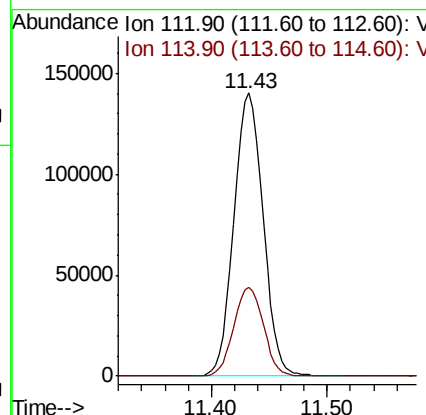
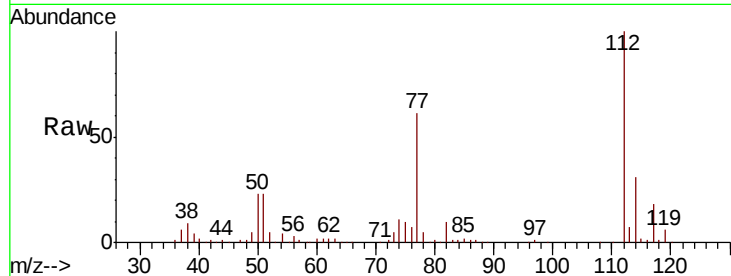
112 100

114 31.3 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.959 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

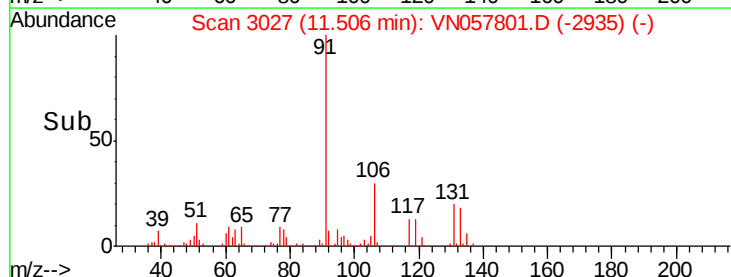
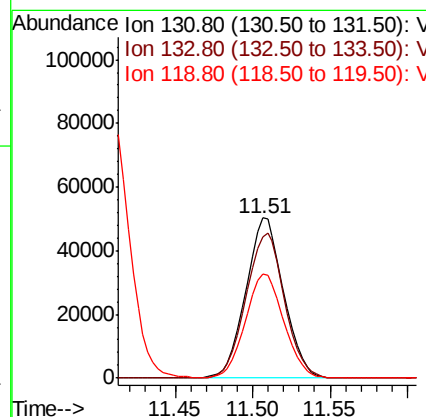
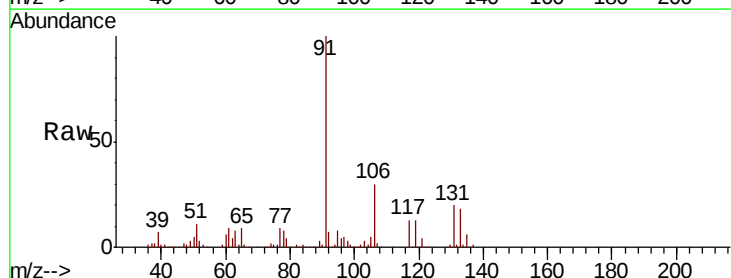
Tgt Ion:131 Resp: 85267

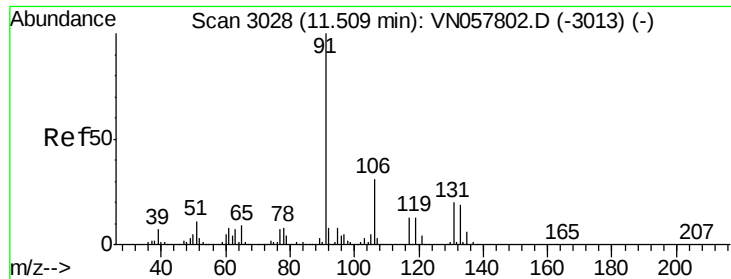
Ion Ratio Lower Upper

131 100

133 92.5 47.1 141.3

119 66.4 33.3 99.8





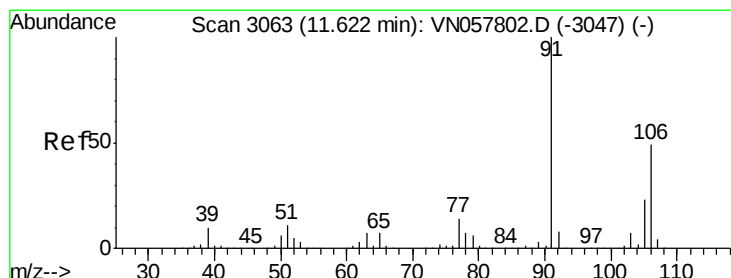
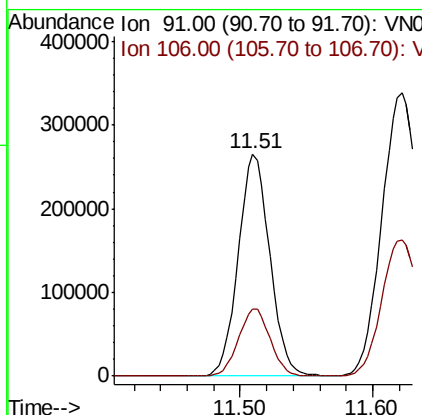
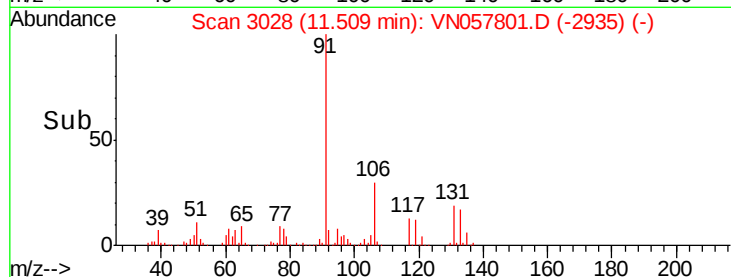
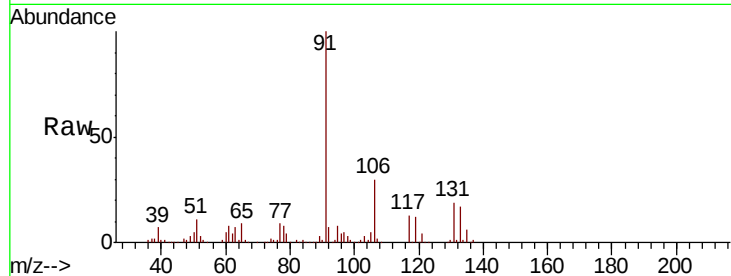
#67
Ethyl Benzene
Concen: 17.878 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 438223
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

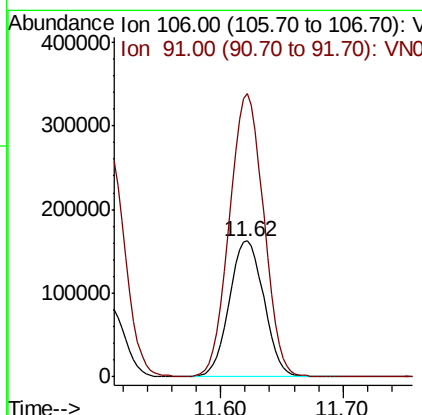
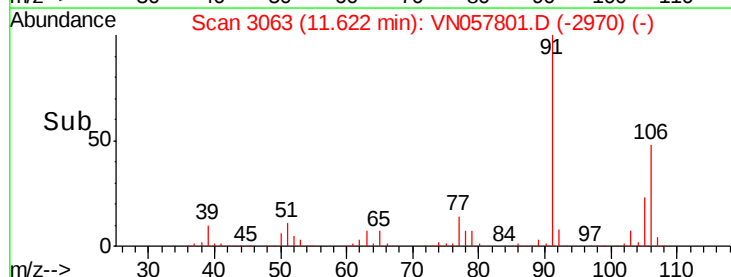
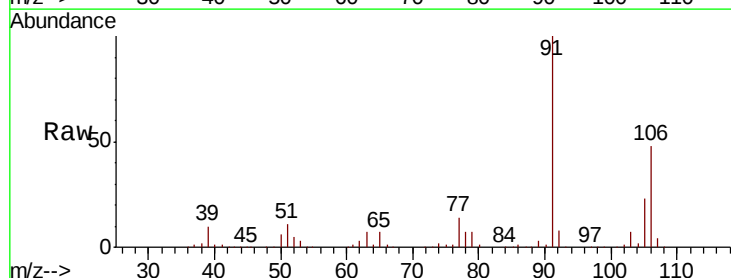
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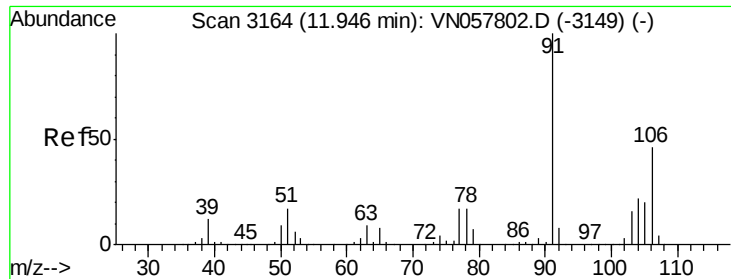
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#68
m/p-Xylenes
Concen: 37.555 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion: 106 Resp: 320219
Ion Ratio Lower Upper
106 100
91 206.5 165.8 248.6





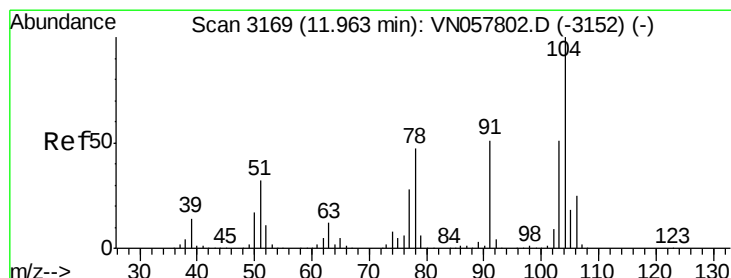
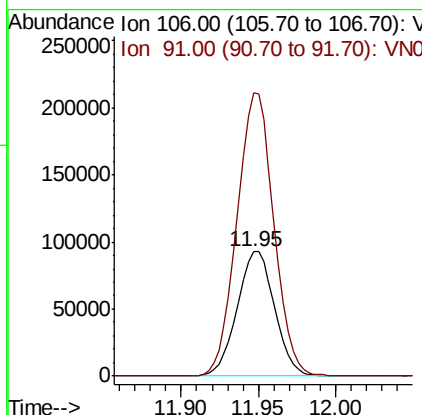
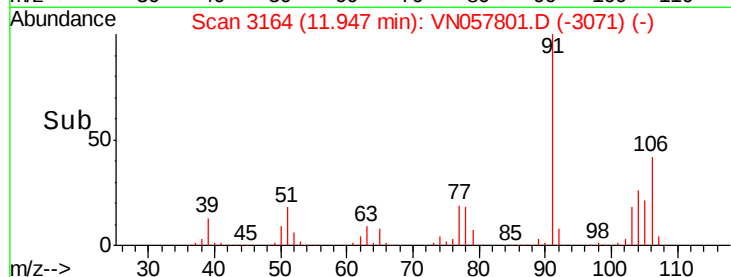
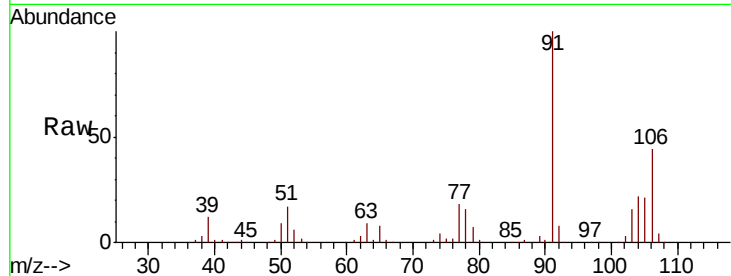
#69
o-Xylene
Concen: 18.426 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 156256
Ion Ratio Lower Upper
106 100
91 224.0 108.7 326.1

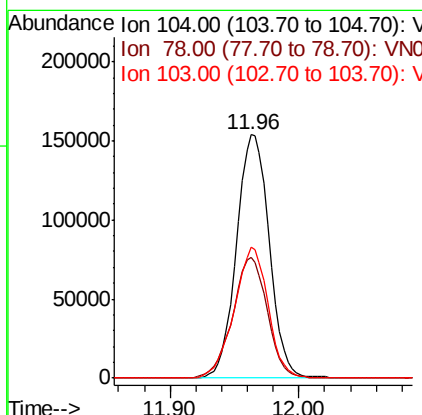
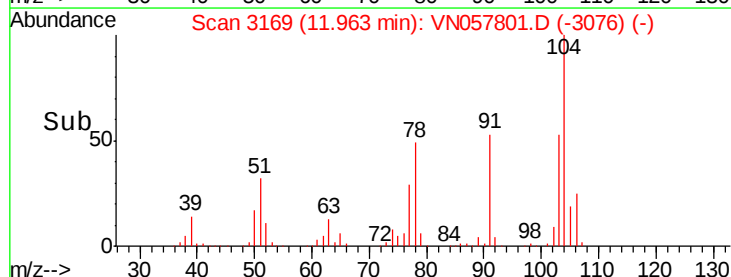
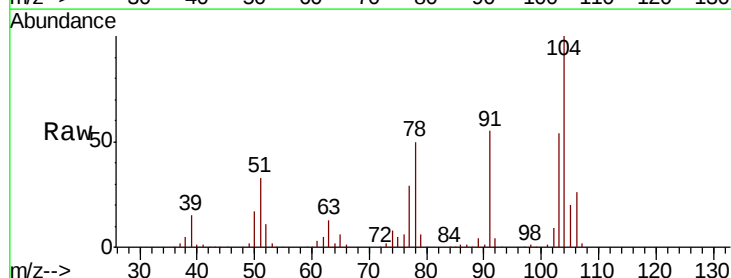
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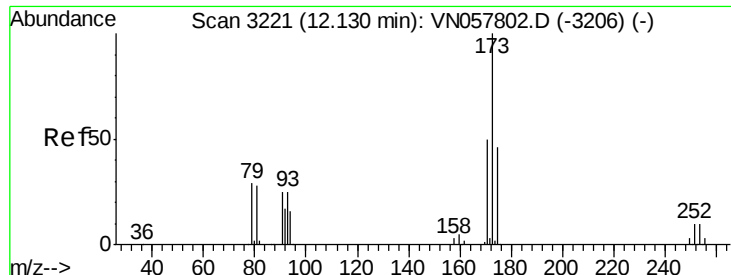
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#70
Styrene
Concen: 18.481 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion:104 Resp: 272003
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 55.5 43.7 65.5





#71

Bromoform

Concen: 17.019 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 49290

Ion Ratio Lower Upper

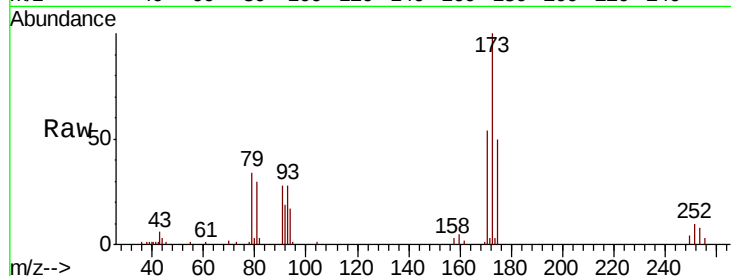
173 100

175 48.4 23.5 70.6

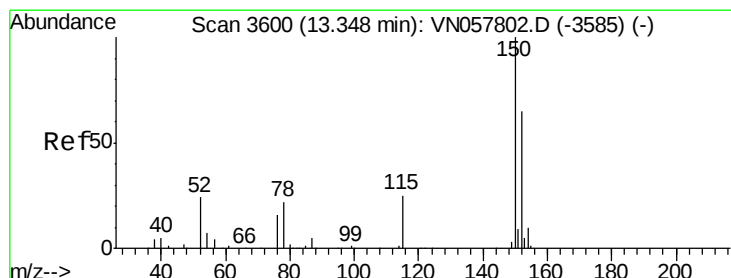
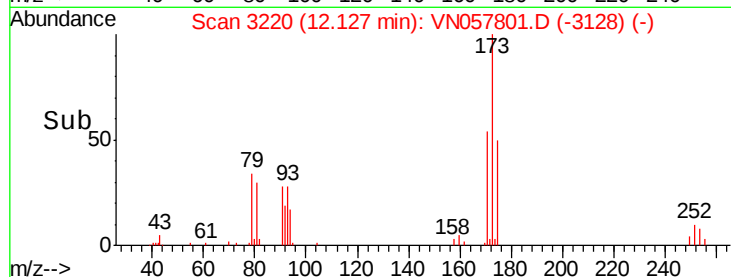
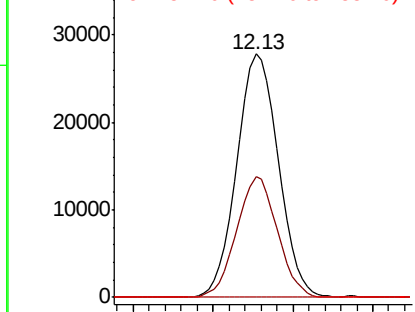
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

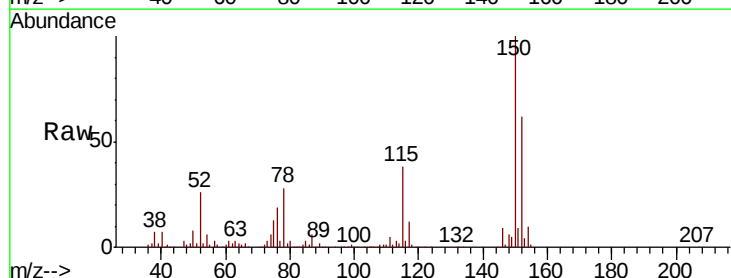
Tgt Ion:152 Resp: 273933

Ion Ratio Lower Upper

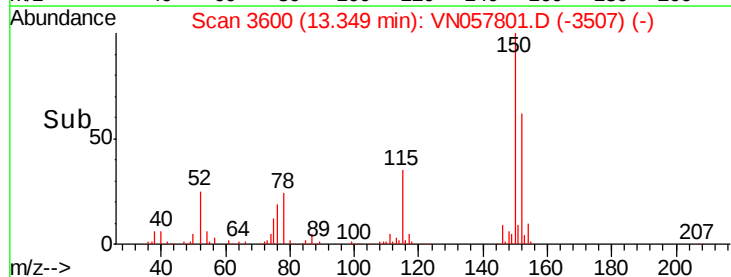
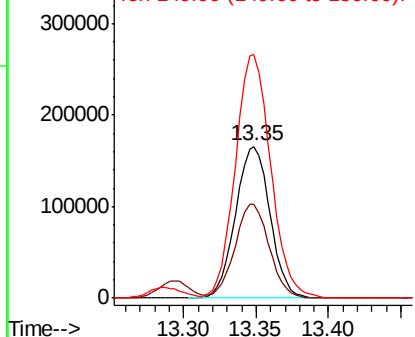
152 100

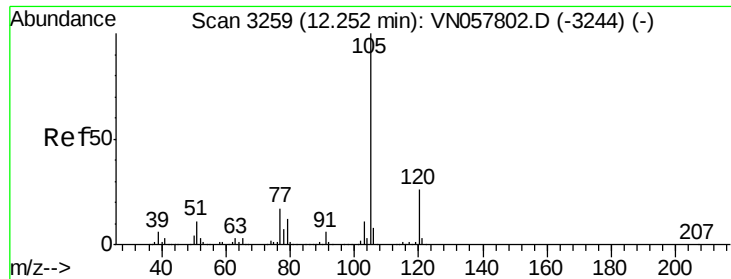
115 61.4 30.3 91.0

150 165.0 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: 18.580 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 441117

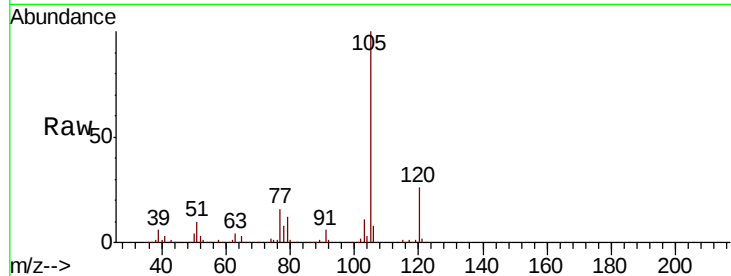
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4

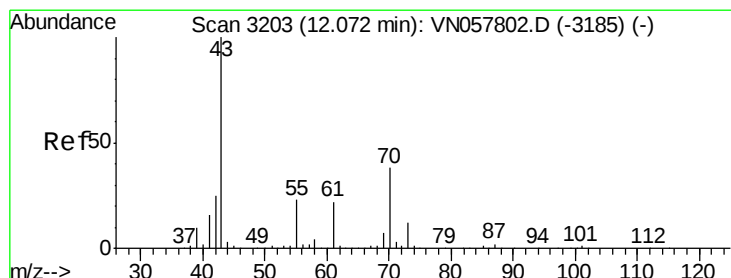
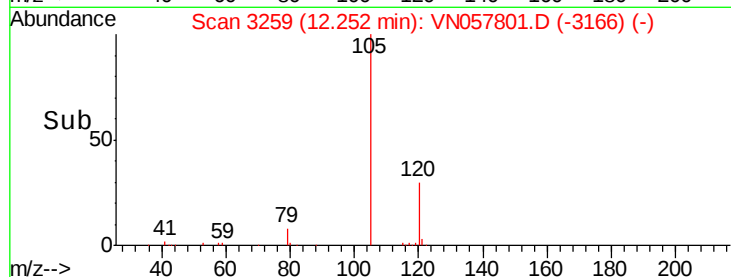
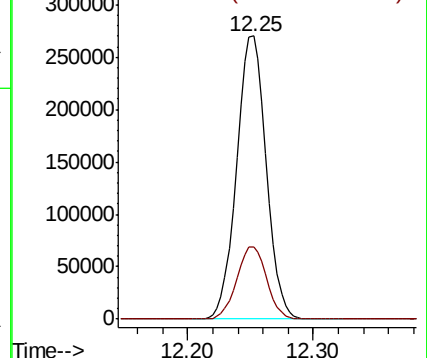
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.627 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion: 43 Resp: 181927

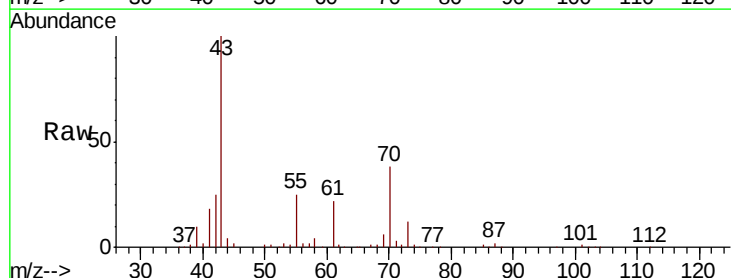
Ion Ratio Lower Upper

43 100

70 38.2 30.6 45.8

55 23.4 18.6 27.8

61 22.3 17.4 26.2

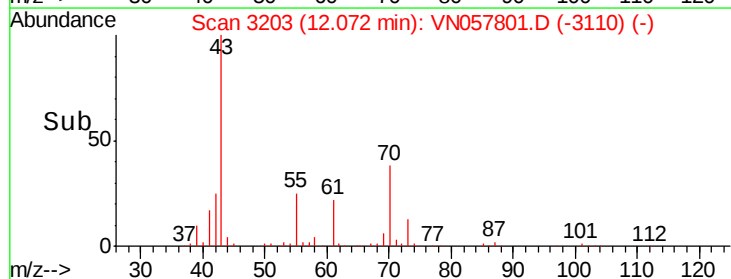
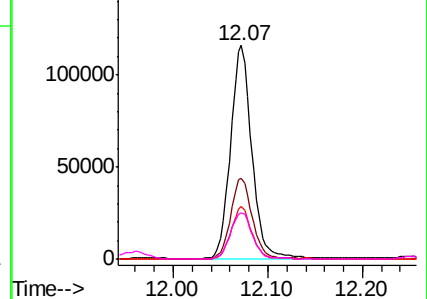


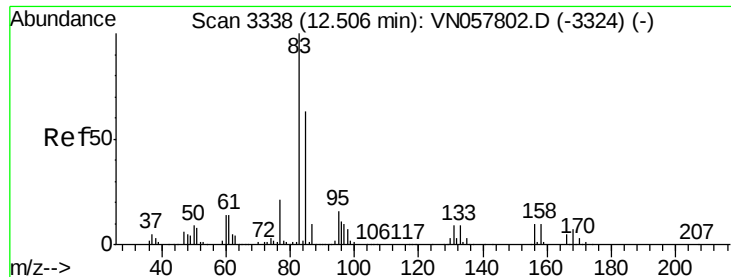
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.553 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

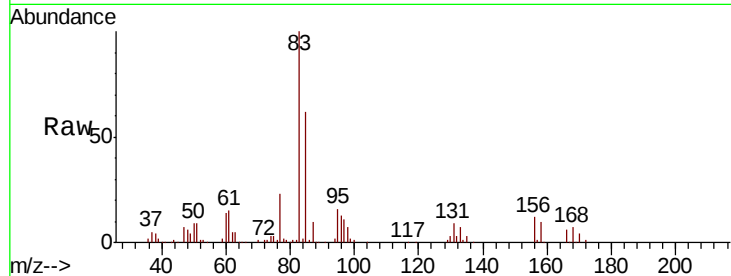
ClientSampled :

VSTDIC020

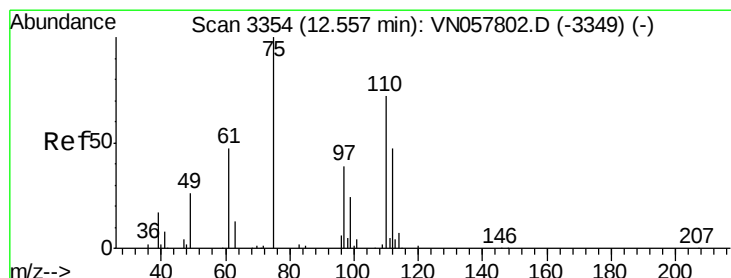
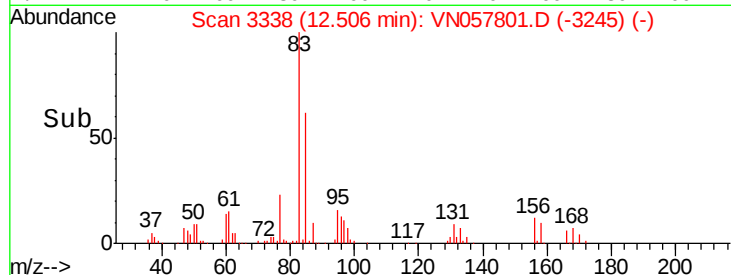
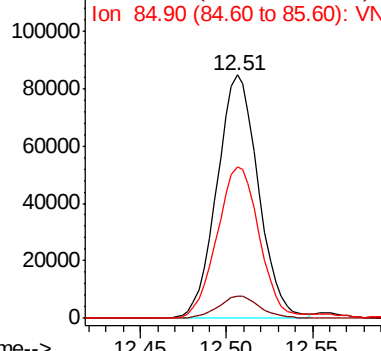
Tot Ion:	83	Resp:	141556
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.3
85	64.0	31.6	94.7

Manual Integrations
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9/10/2019 4:30:00 PM



Abundance Ion 82.90 (82.60 to 83.60): VN057801.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 19.400 ug/l m

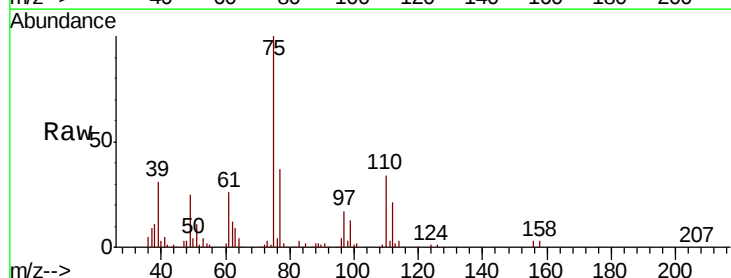
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

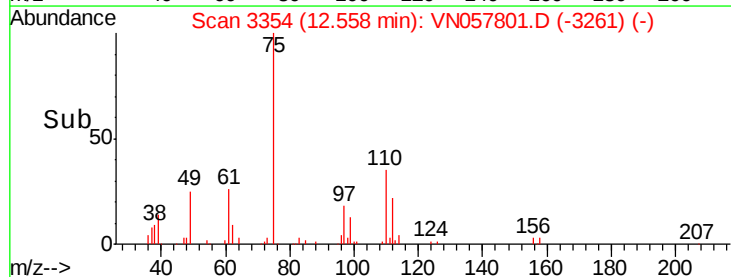
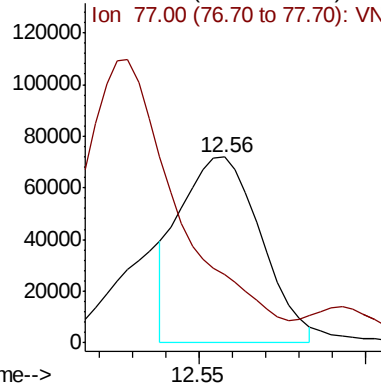
Lab File: VN057801.D

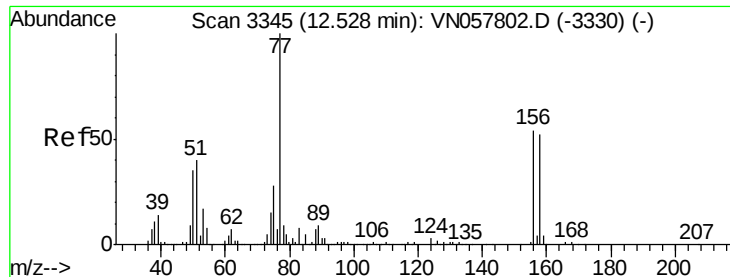
Acq: 9 Sep 2019 15:26

Tgt Ion:	75	Resp:	121159
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057801.D (-3261) (-)





#77

Bromobenzene

Concen: 19.710 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

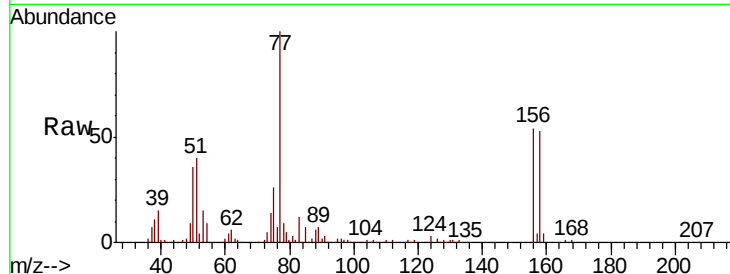
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	220.5	113.7	341.1	
158	94.1	48.5	145.6	

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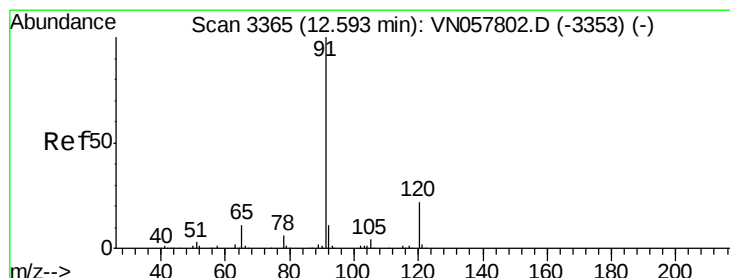
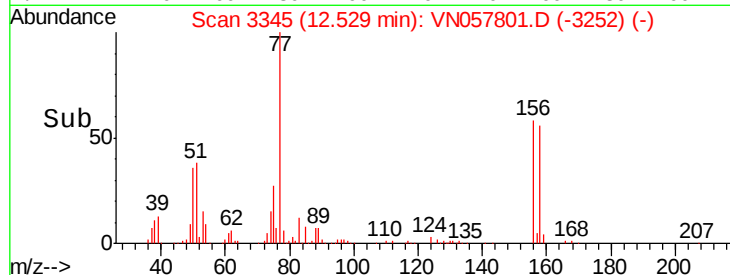
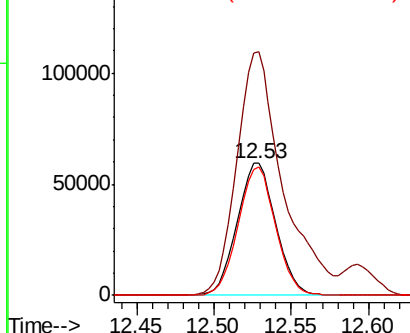
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.082 ug/l

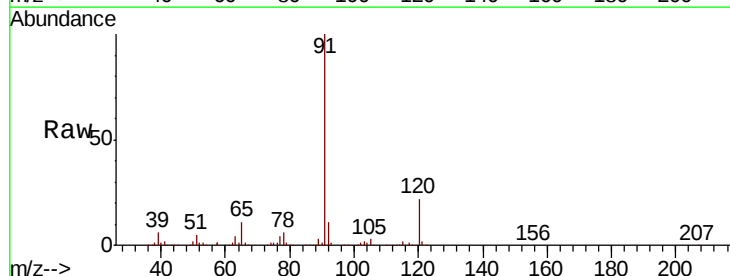
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057801.D

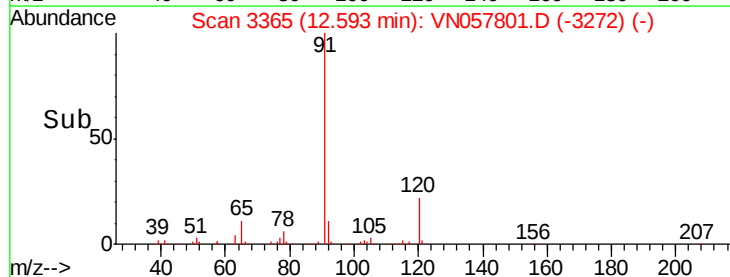
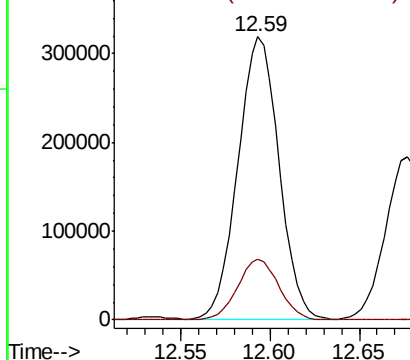
Acq: 9 Sep 2019 15:26

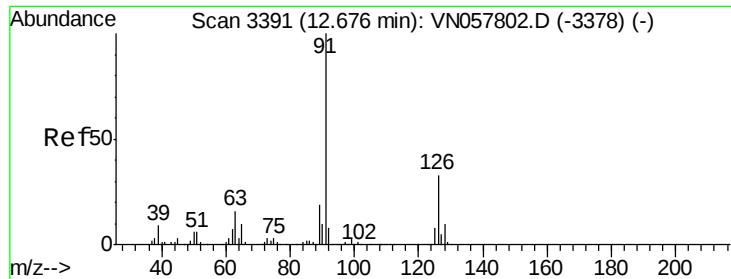
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.785 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 304433

Ion Ratio Lower Upper

91 100

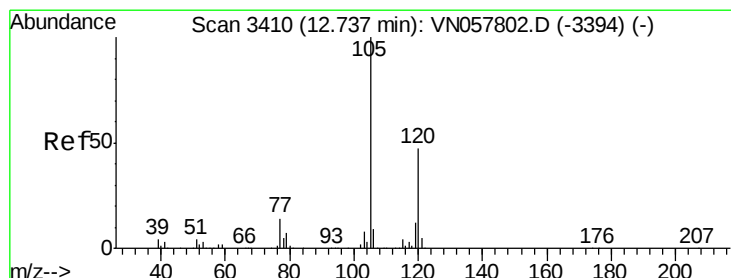
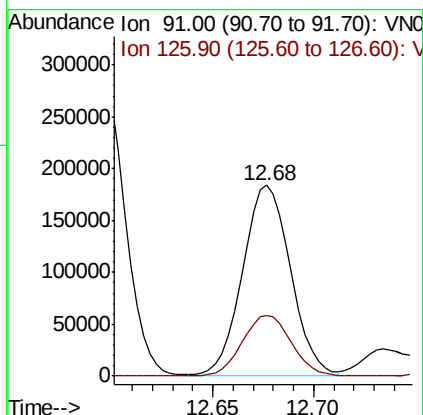
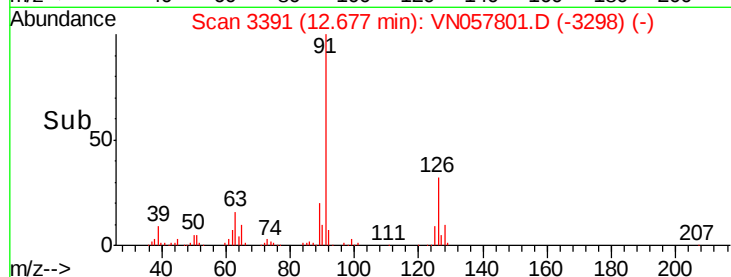
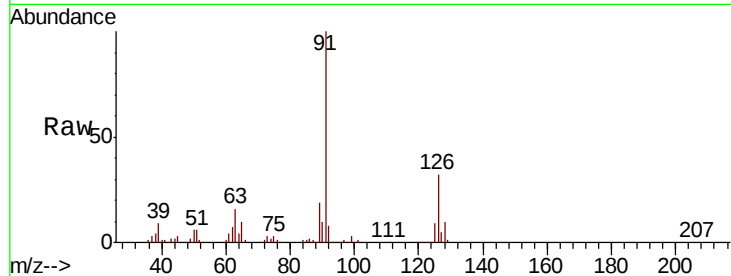
126 32.8 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.438 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057801.D

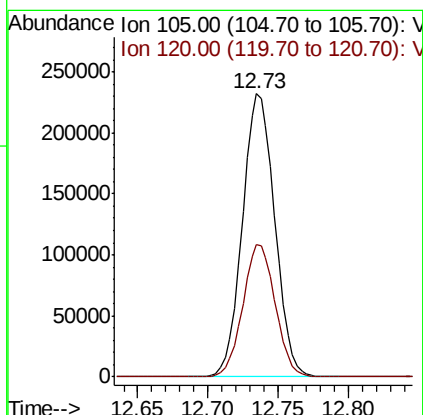
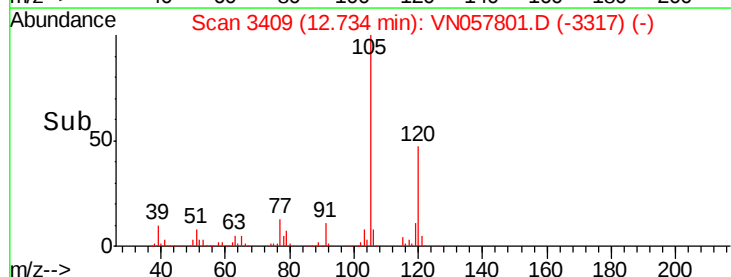
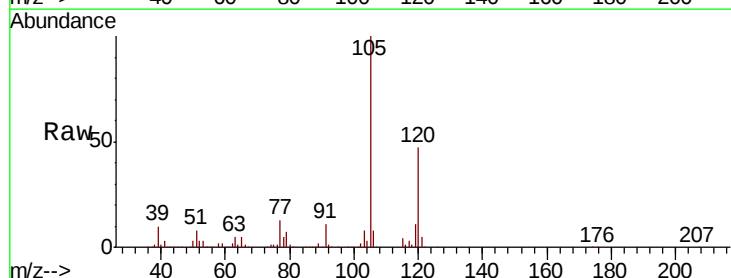
Acq: 9 Sep 2019 15:26

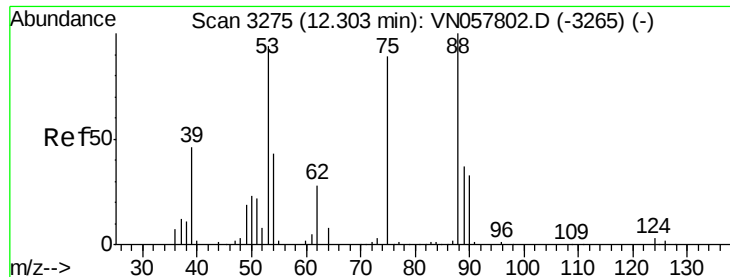
Tgt Ion: 105 Resp: 372549

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.375 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

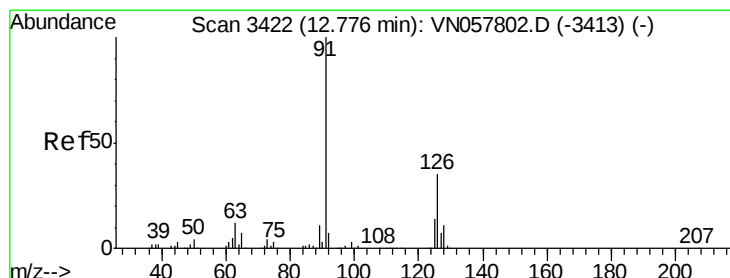
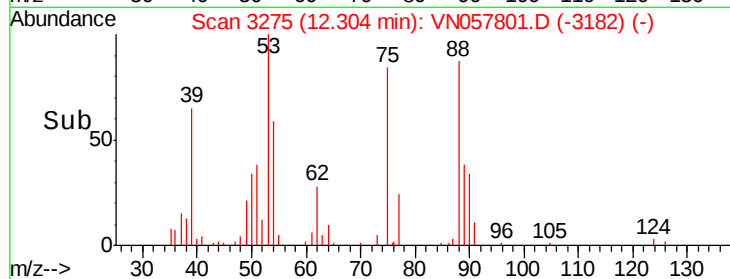
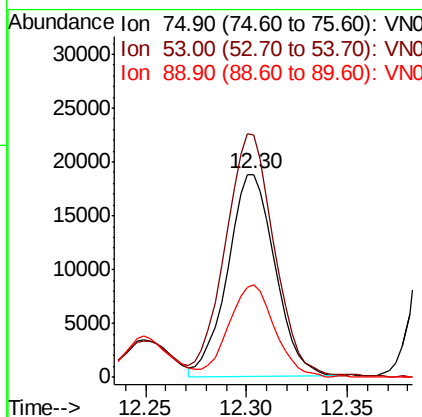
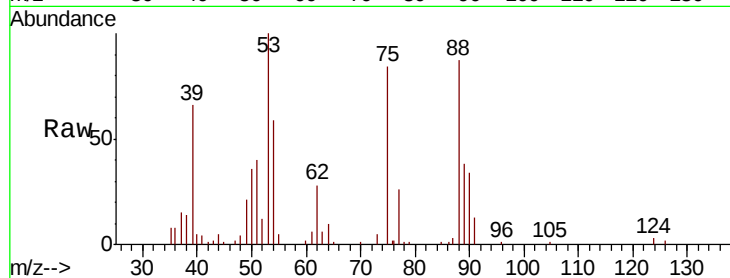
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	30697
Ion	Ratio	Lower	Upper
75	100		
53	122.1	88.4	132.6
89	44.2	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.524 ug/l

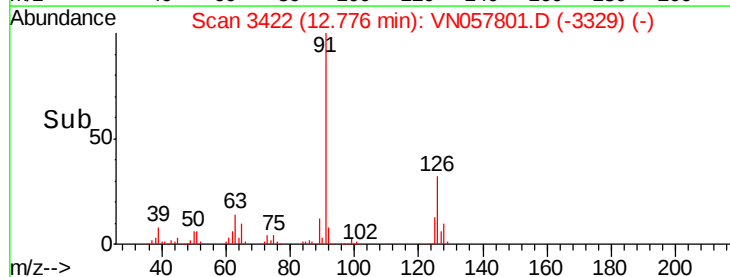
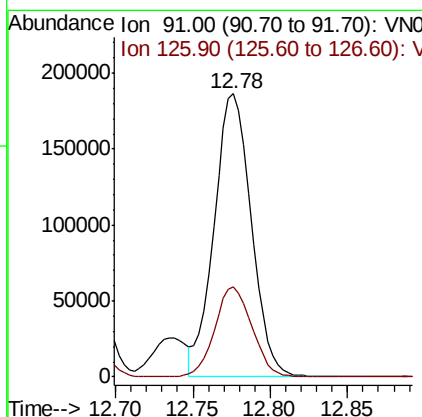
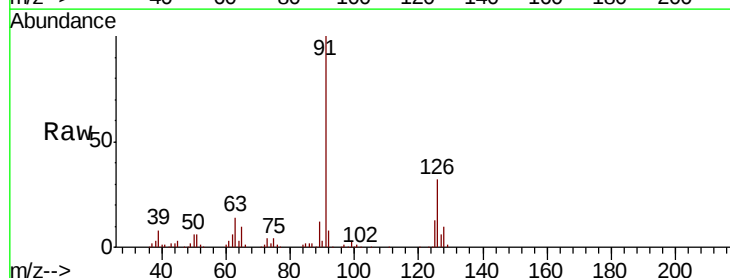
RT: 12.78 min Scan# 3422

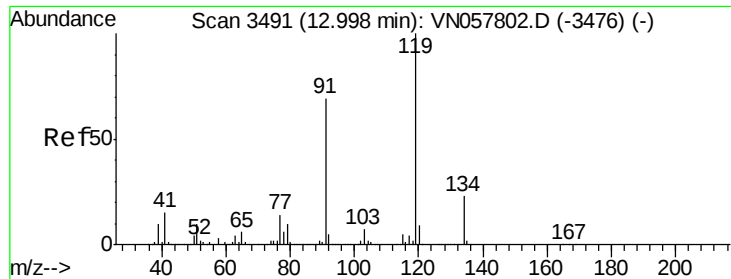
Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Tgt Ion:	91	Resp:	309710
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0





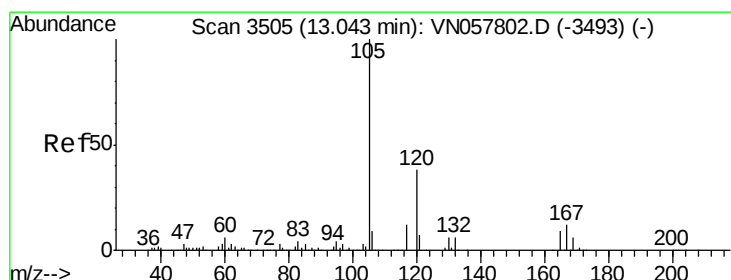
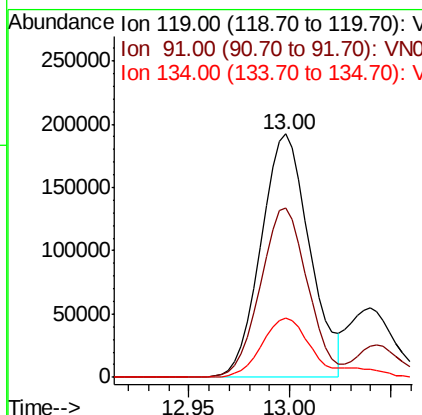
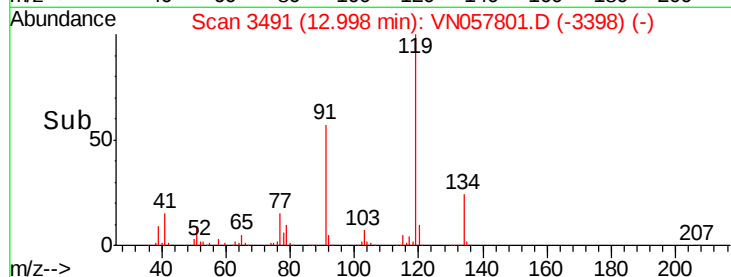
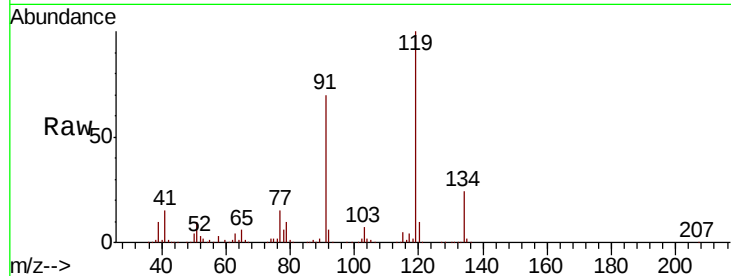
#83
 tert-Butylbenzene
 Concen: 18.783 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.6	100.8
134	23.9	11.7	35.0

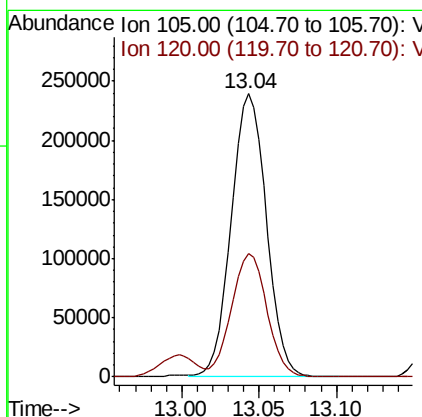
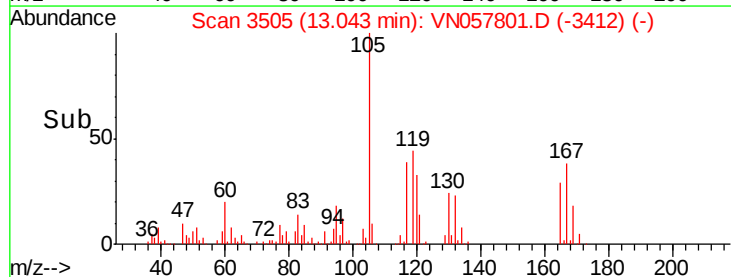
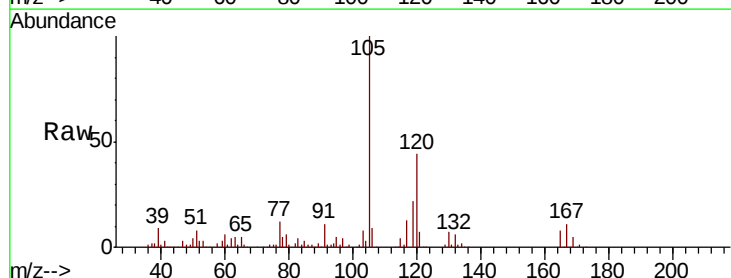
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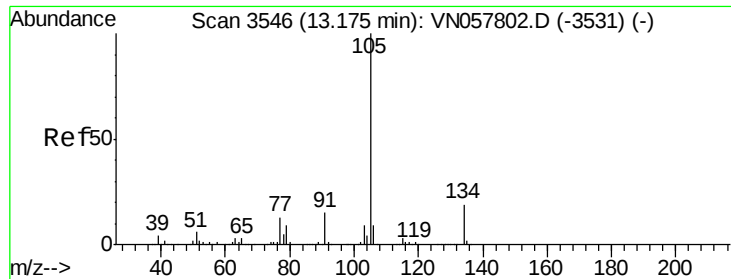
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.763 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.2





#85

sec-Butylbenzene

Concen: 18.687 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 440290

Ion Ratio Lower Upper

105 100

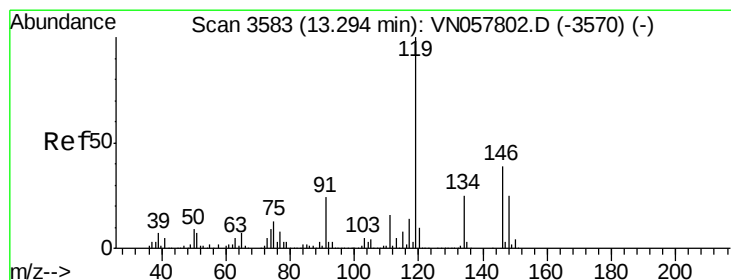
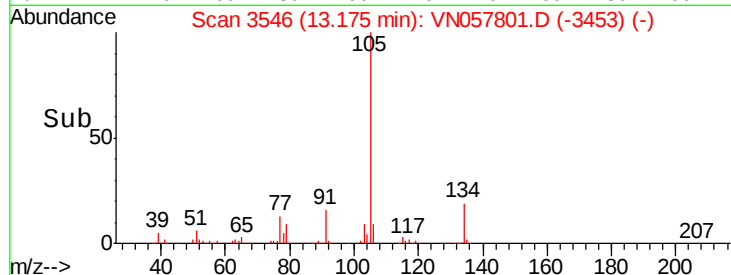
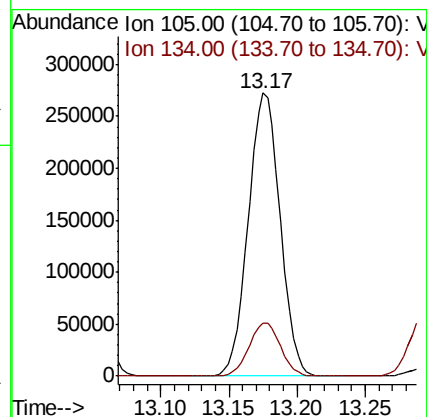
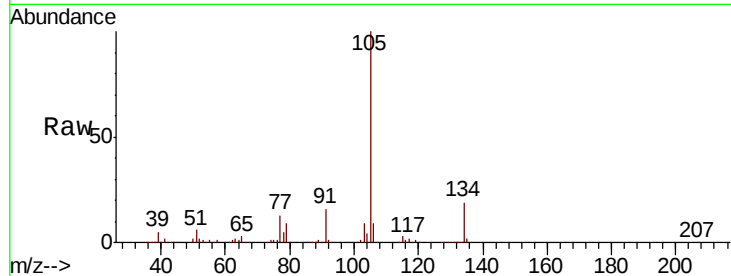
134 18.6 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 19.318 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057801.D

Acq: 9 Sep 2019 15:26

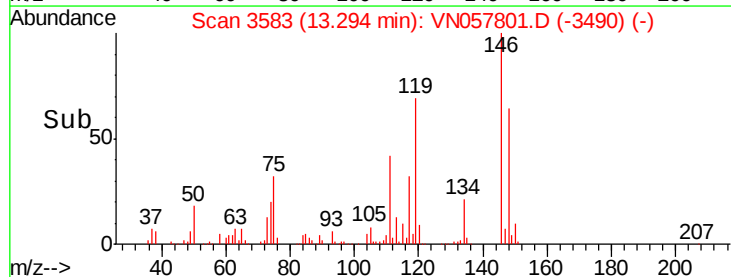
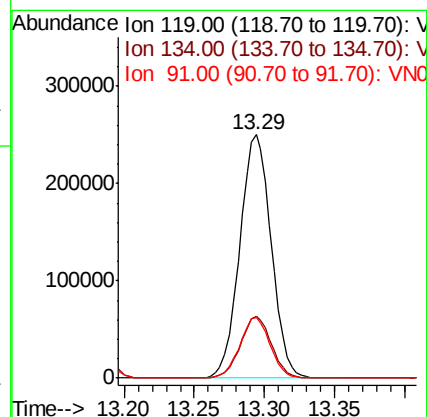
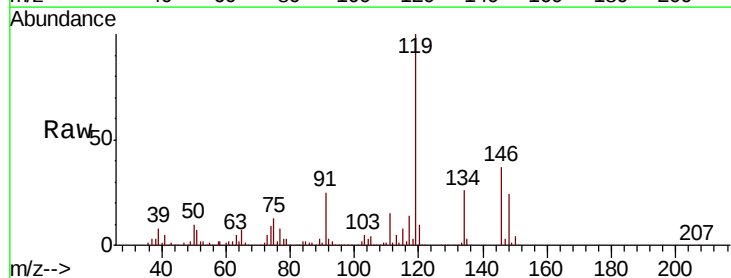
Tgt Ion:119 Resp: 388427

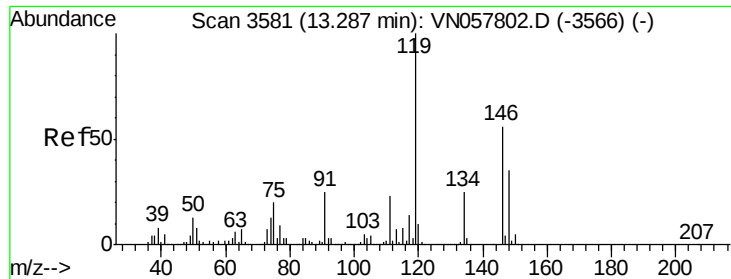
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 24.3 12.3 36.8





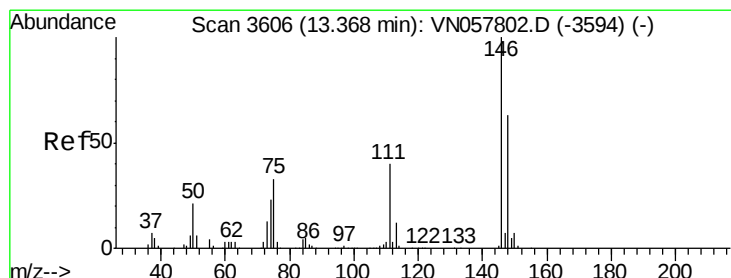
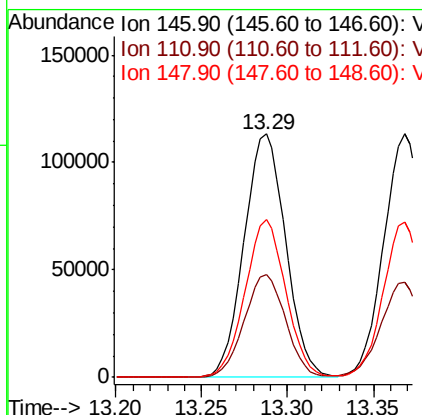
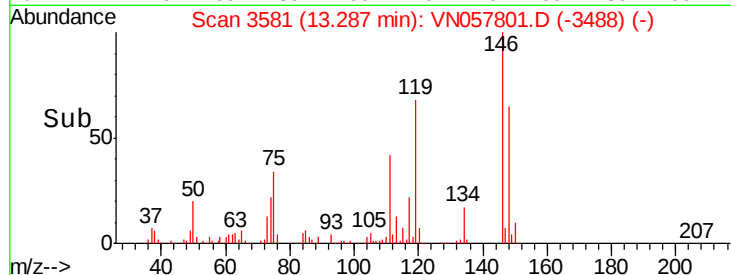
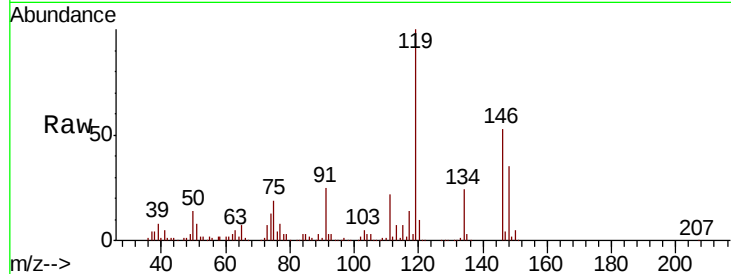
#87
 1,3-Dichlorobenzene
 Concen: 19.340 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190392		
111	41.8	20.5	61.6	
148	63.5	31.5	94.5	

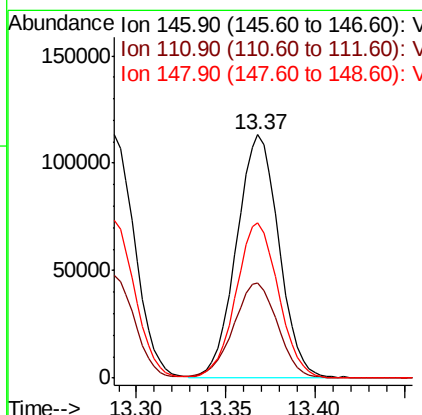
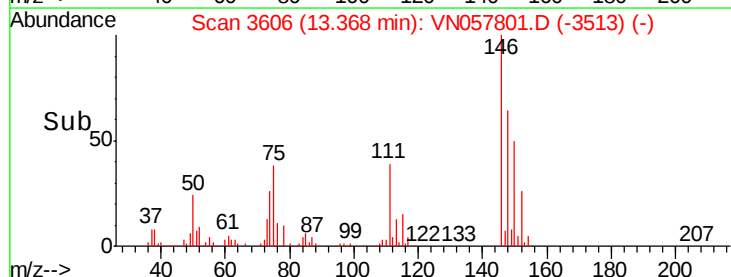
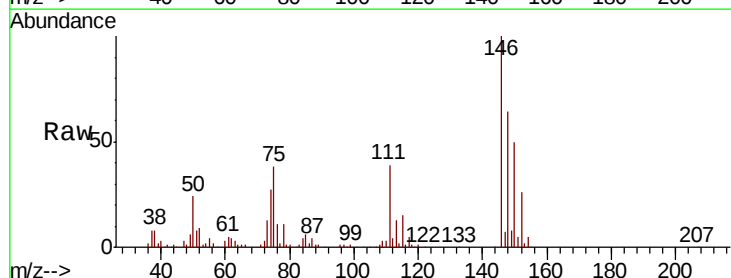
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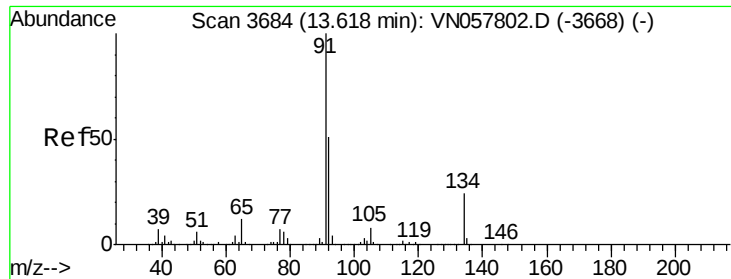
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#88
 1,4-Dichlorobenzene
 Concen: 18.888 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185987		
111	41.0	20.4	61.2	
148	64.2	31.8	95.4	





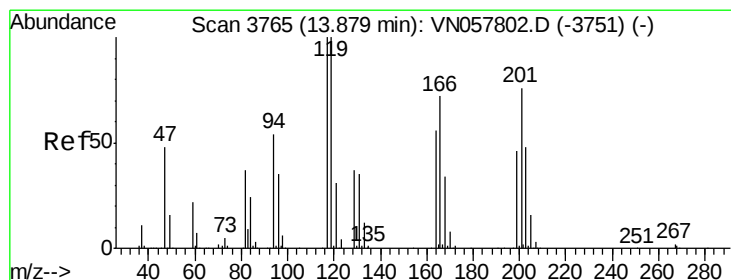
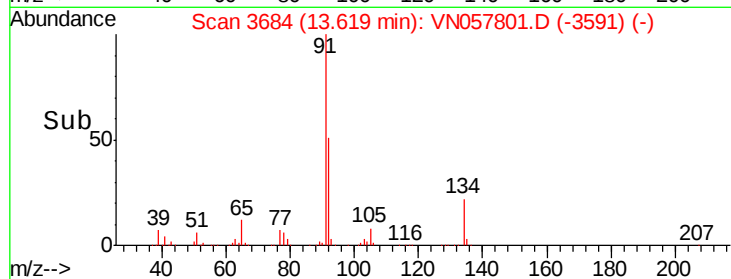
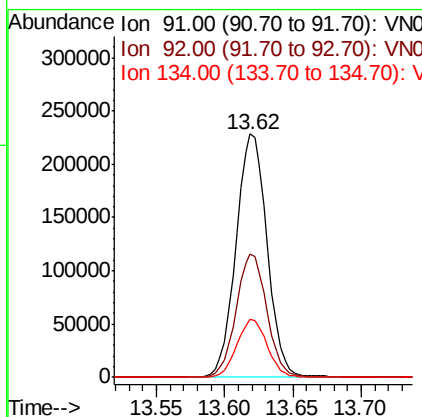
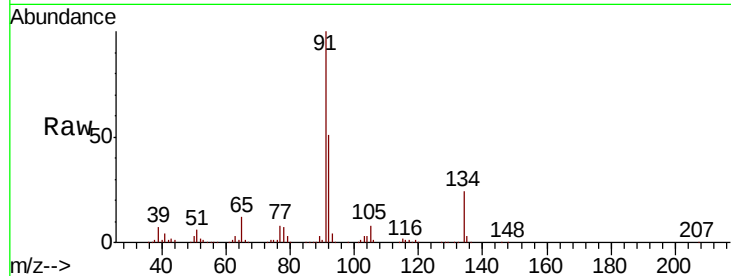
#89
n-Butylbenzene
Concen: 18.314 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.7	77.0
134	23.5	11.9	35.7

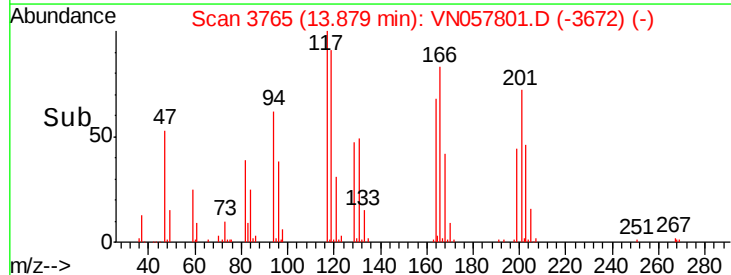
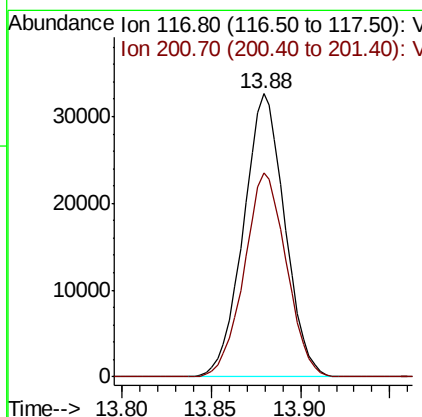
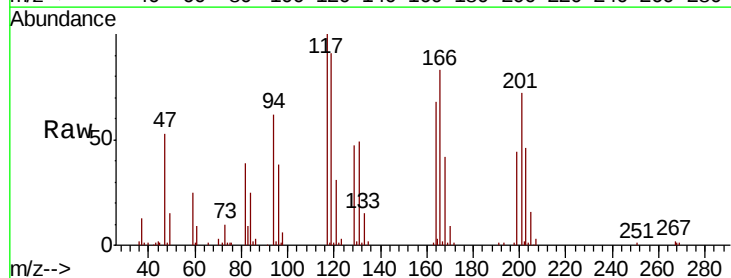
Manual Integrations
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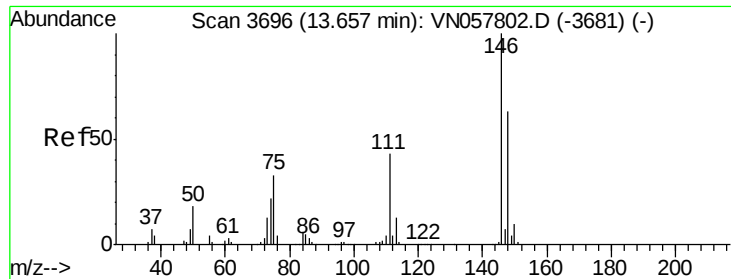
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#90
Hexachloroethane
Concen: 17.038 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	37.5	112.7





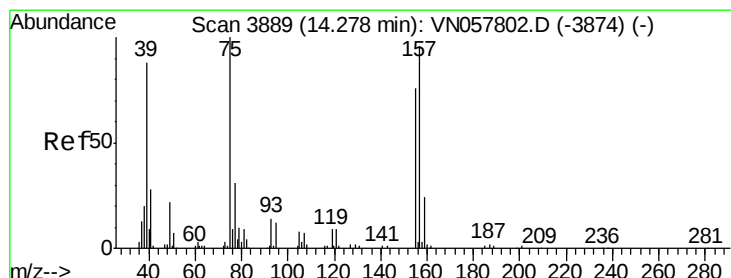
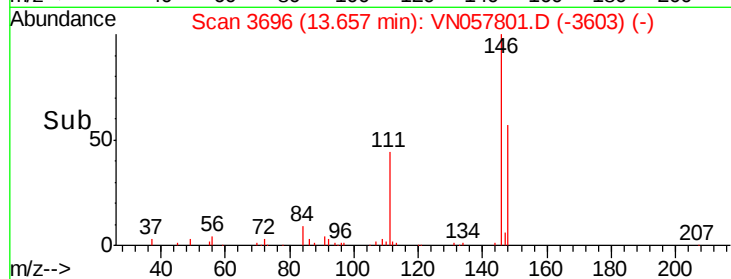
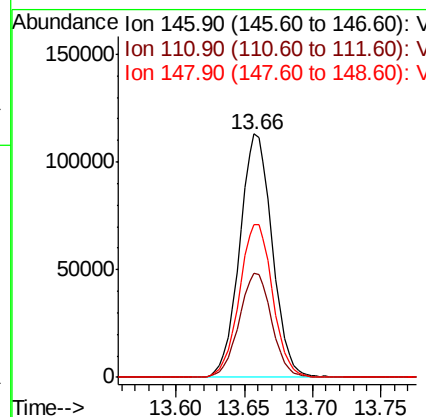
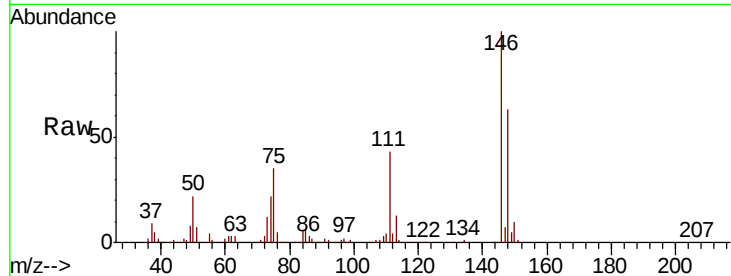
#91
 1,2-Dichlorobenzene
 Concen: 19.314 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	64.2	31.4	94.3

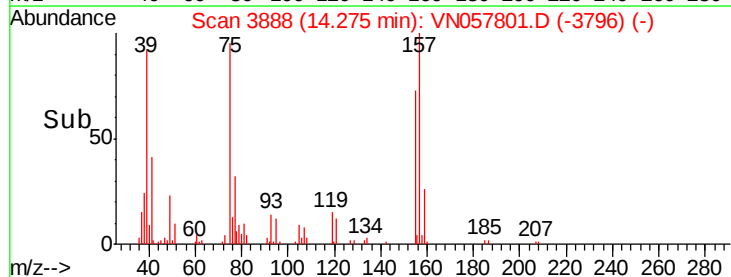
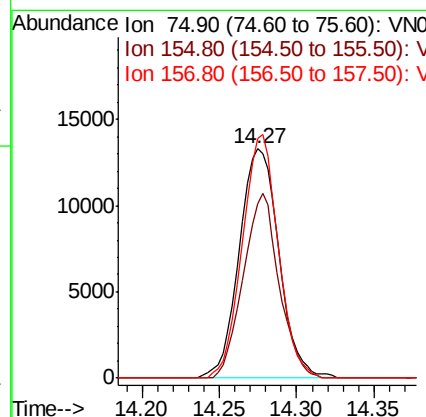
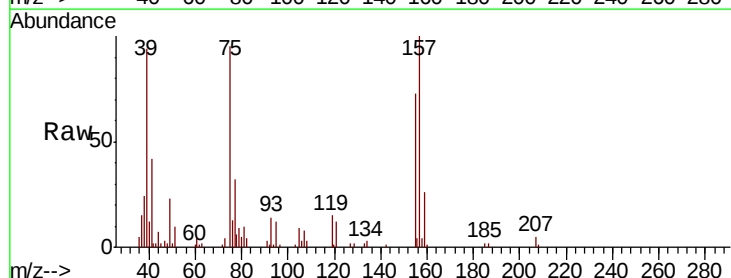
Manual Integrations
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 9/10/2019 4:30:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.104 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	37.3	111.8
157	96.1	47.9	143.8





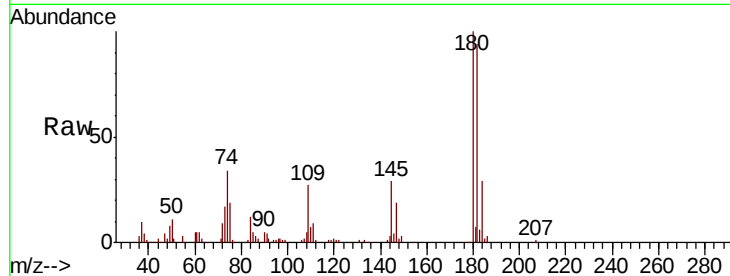
#93
 1,2,4-Trichlorobenzene
 Concen: 19.538 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	46.9	140.8	
145	30.4	14.9	44.7	

Manual Integrations
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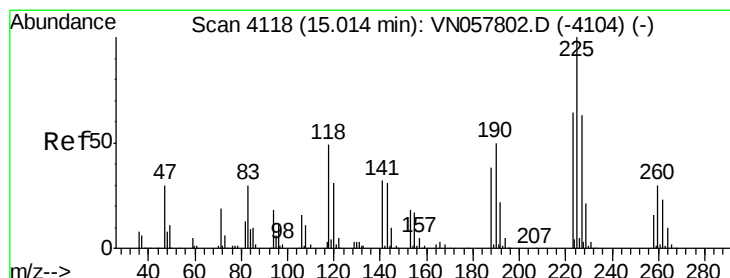
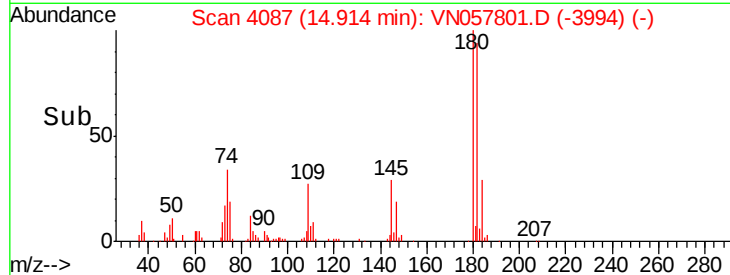
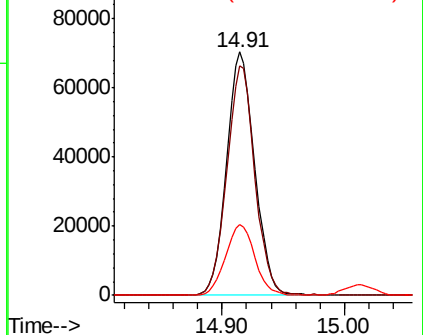


Abundance

Ion 179.80 (179.50 to 180.50): V

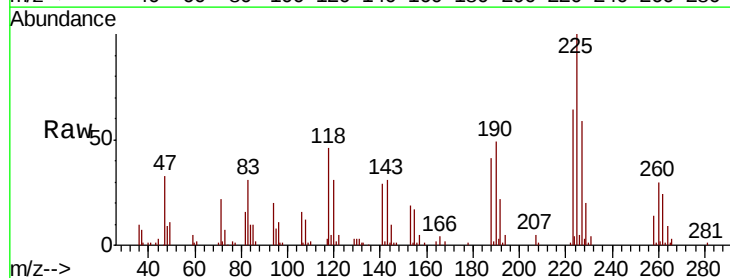
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.436 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057801.D
 Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.2	32.4	97.2	
227	61.9	31.8	95.4	

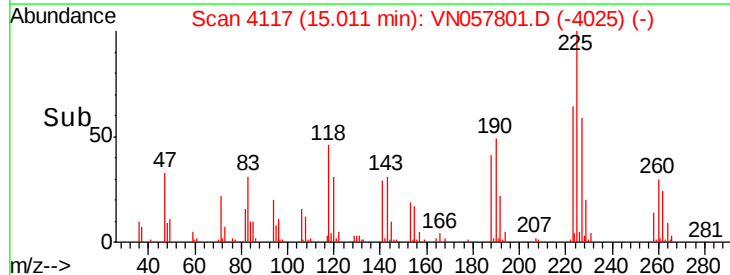
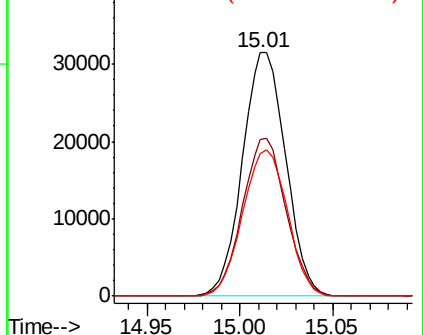


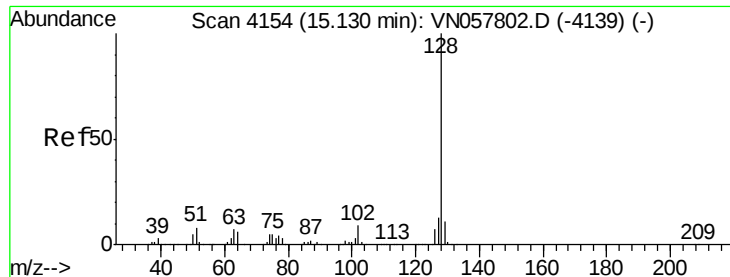
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





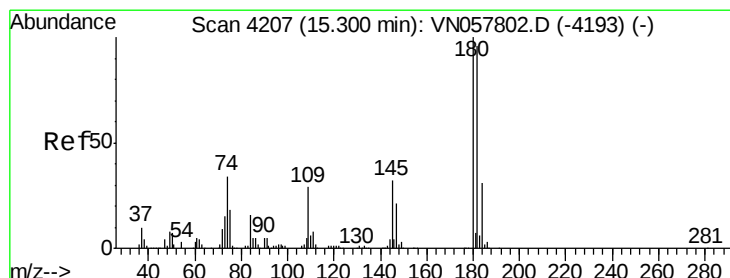
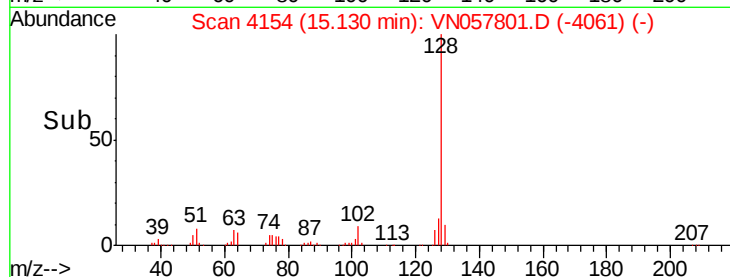
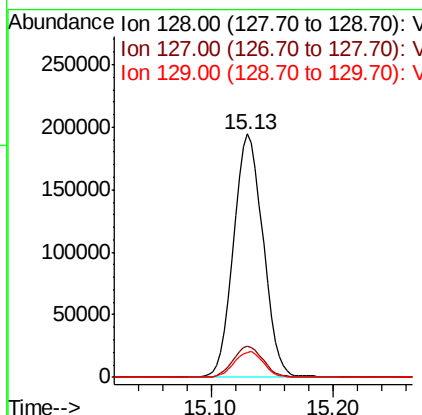
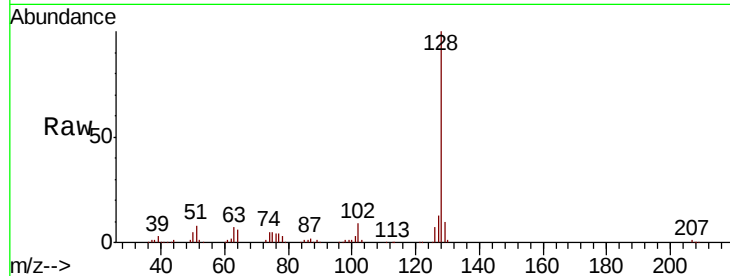
#95
Naphthalene
Concen: 19.487 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.341 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057801.D
Acq: 9 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.8
145	32.6	16.3	48.8

