

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064434.D
 Acq On : 4 Nov 2020 14:18
 Operator : JC/MD
 Sample : VN1104WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:44:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	322266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	561222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	524939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	224281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	267381	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	7.55	113	179027	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
50) Toluene-d8	10.06	98	684335	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.37	95	251462	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	74648	17.794	ug/l	97
3) Chloromethane	2.04	50	90532	17.767	ug/l	99
4) Vinyl Chloride	2.17	62	94015	17.967	ug/l	99
5) Bromomethane	2.54	94	63415	18.971	ug/l	98
6) Chloroethane	2.68	64	59865	17.869	ug/l	97
7) Trichlorofluoromethane	2.99	101	137524	17.849	ug/l	98
8) Diethyl Ether	3.38	74	49915	18.345	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	64560	17.645	ug/l	98
10) Methyl Iodide	3.91	142	68626	16.141	ug/l	98
11) Tert butyl alcohol	4.75	59	58195	94.009	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	60577	17.576	ug/l	99
13) Acrolein	3.57	56	35120	91.463	ug/l	95
14) Allyl chloride	4.27	41	115624	17.149	ug/l	98
15) Acrylonitrile	4.93	53	160678	93.229	ug/l	98
16) Acetone	3.78	43	173843	81.302	ug/l	99
17) Carbon Disulfide	4.00	76	179633	17.428	ug/l	97
18) Methyl Acetate	4.28	43	75138	17.874	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	216939	17.489	ug/l	99
20) Methylene Chloride	4.50	84	75123	17.708	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	69251	17.696	ug/l	96
22) Diisopropyl ether	5.90	45	252953	17.674	ug/l	97
23) Vinyl Acetate	5.85	43	1047369	89.959	ug/l	100
24) 1,1-Dichloroethane	5.80	63	140541	17.870	ug/l	98
25) 2-Butanone	6.79	43	243964	89.547	ug/l	98
26) 2,2-Dichloropropane	6.78	77	123388	17.332	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	80412	17.733	ug/l	99
28) Bromochloromethane	7.15	49	71566	18.513	ug/l	99
29) Tetrahydrofuran	7.17	42	146124	87.421	ug/l	98
30) Chloroform	7.32	83	147603	17.855	ug/l	99
31) Cyclohexane	7.61	56	116116	17.017	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	129150	17.614	ug/l	98
36) 1,1-Dichloropropene	7.75	75	106830	18.018	ug/l	98
37) Ethyl Acetate	6.88	43	103959	17.775	ug/l	97
38) Carbon Tetrachloride	7.73	117	110468	17.434	ug/l	98

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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	9.05	83	92939	17.487	ug/l	98
40) Benzene	8.00	78	308342	17.698	ug/l	99
41) Methacrylonitrile	7.12	41	34211	13.015	ug/l #	75
42) 1,2-Dichloroethane	8.08	62	130217	18.521	ug/l	99
43) Isopropyl Acetate	8.13	43	172301	17.932	ug/l	99
44) Trichloroethene	8.80	130	77527	17.637	ug/l	99
45) 1,2-Dichloropropane	9.08	63	85706	18.437	ug/l	96
46) Dibromomethane	9.17	93	55892	18.264	ug/l	98
47) Bromodichloromethane	9.37	83	116957	17.775	ug/l	96
48) Methyl methacrylate	9.16	41	83478	17.218	ug/l	97
49) 1,4-Dioxane	9.16	88	24595	385.139	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	517128	92.290	ug/l	99
52) Toluene	10.12	92	196639	18.505	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	122680	17.586	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	131943	17.690	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	73134	17.648	ug/l	96
56) Ethyl methacrylate	10.40	69	105647	16.765	ug/l	98
57) 1,3-Dichloropropane	10.68	76	130482	18.039	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	284580	102.259	ug/l	98
59) 2-Hexanone	10.72	43	370088	83.720	ug/l	99
60) Dibromochloromethane	10.87	129	81750	17.619	ug/l	99
61) 1,2-Dibromoethane	10.98	107	77437	18.422	ug/l	99
64) Tetrachloroethene	10.60	164	72171	17.848	ug/l	98
65) Chlorobenzene	11.41	112	198555	17.254	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	75541	17.596	ug/l	98
67) Ethyl Benzene	11.48	91	362272	17.698	ug/l	99
68) m/p-Xylenes	11.59	106	260291	35.063	ug/l	97
69) o-Xylene	11.92	106	124479	17.353	ug/l	99
70) Styrene	11.94	104	213444	17.683	ug/l	99
71) Bromoform	12.10	173	50037	16.402	ug/l #	97
73) Isopropylbenzene	12.22	105	325949	18.284	ug/l	99
74) N-amyl acetate	12.04	43	142455	17.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	100910	18.429	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	141241	25.991	ug/l #	100
77) Bromobenzene	12.50	156	79842	18.345	ug/l	100
78) n-propylbenzene	12.57	91	375981	18.500	ug/l	100
79) 2-Chlorotoluene	12.65	91	239778	18.602	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	268282	18.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	33581	17.254	ug/l	97
82) 4-Chlorotoluene	12.75	91	249140	18.456	ug/l	98
83) tert-Butylbenzene	12.97	119	213703	18.606	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	270969	18.329	ug/l	99
85) sec-Butylbenzene	13.14	105	273695	18.815	ug/l	99
86) p-Isopropyltoluene	13.26	119	241923	18.489	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	136306	18.118	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	135181	17.387	ug/l	98
89) n-Butylbenzene	13.59	91	202246	17.978	ug/l	100
90) Hexachloroethane	13.85	117	45371	17.976	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	132004	18.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20686	18.975	ug/l	97

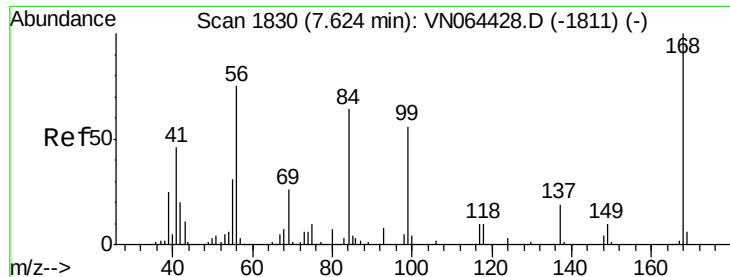
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	53597	16.763	ug/l	99
94) Hexachlorobutadiene	14.98	225	26413	17.926	ug/l	97
95) Naphthalene	15.10	128	170731	16.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	53502	17.289	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

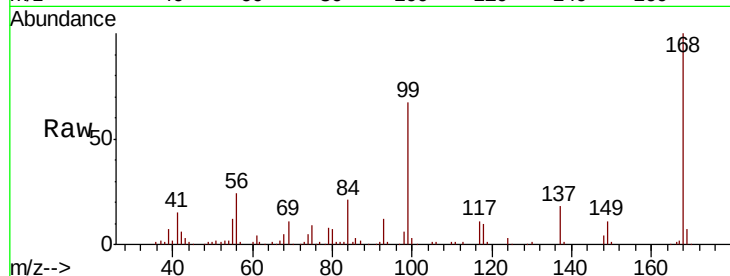
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 322266

Ion Ratio Lower Upper

168 100

99 66.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

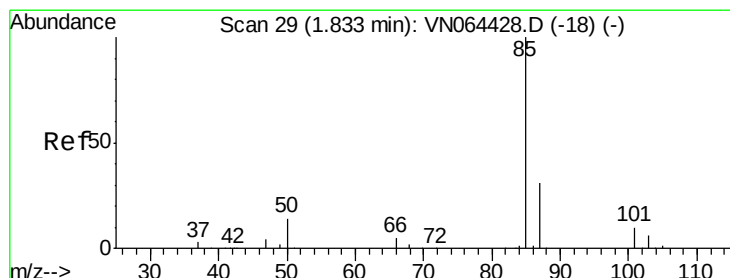
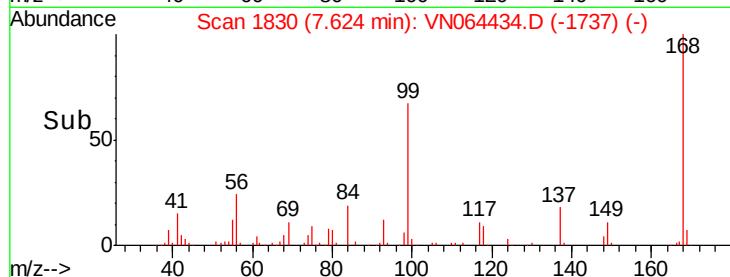
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.794 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064434.D

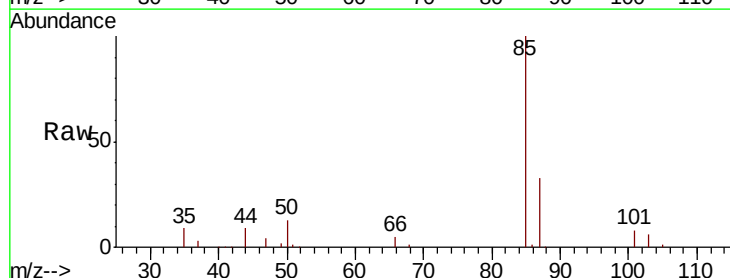
Acq: 4 Nov 2020 14:18

Tgt Ion: 85 Resp: 74648

Ion Ratio Lower Upper

85 100

87 33.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

50000

40000

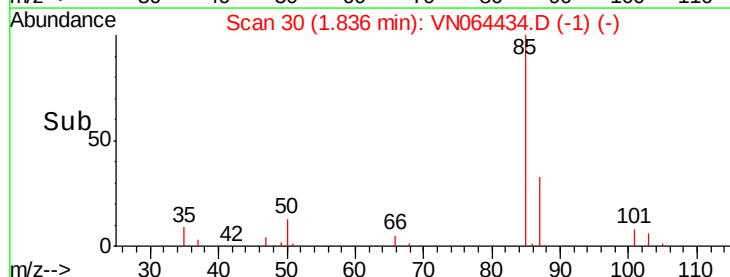
30000

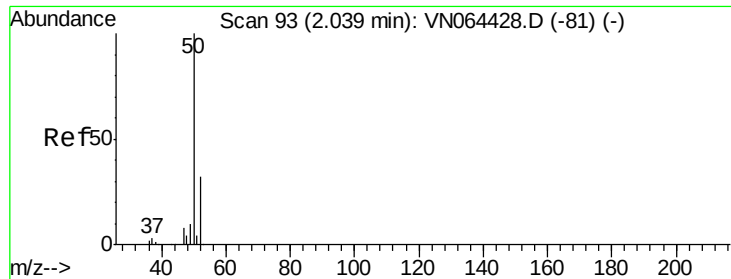
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.767 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

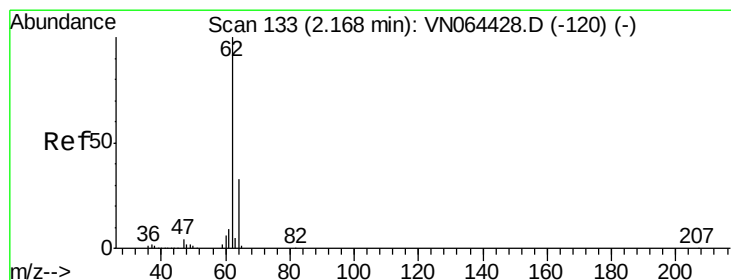
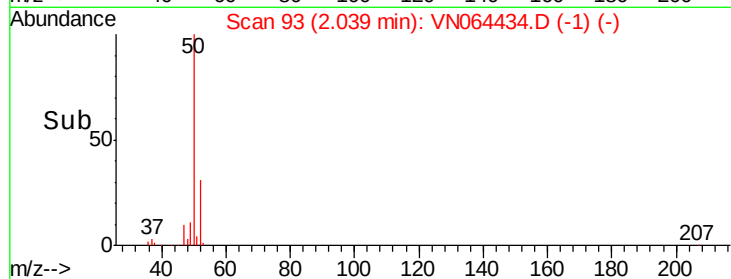
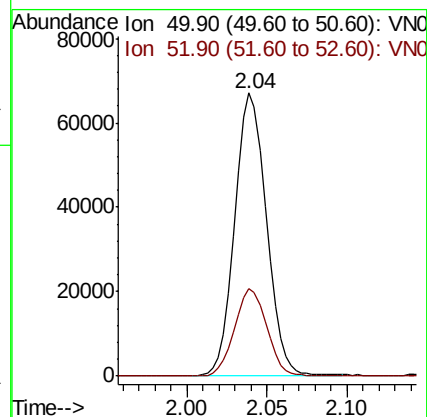
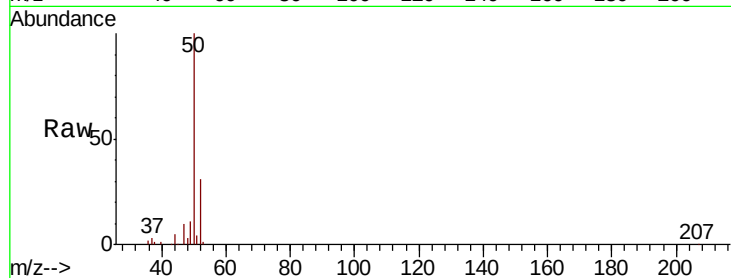
ClientSampled :

Tot Ion: 50 Resp: 90532

Ion Ratio Lower Upper

50 100

52 30.8 25.3 37.9



#4

Vinyl Chloride

Concen: 17.967 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064434.D

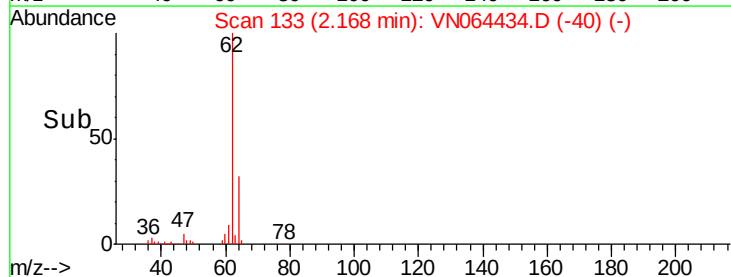
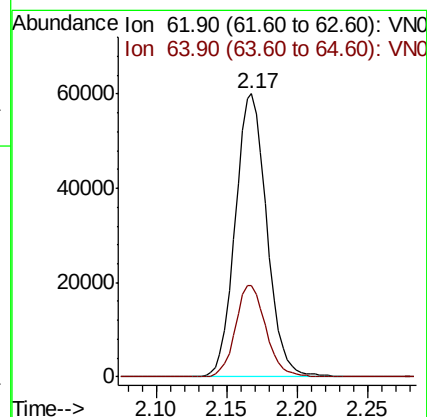
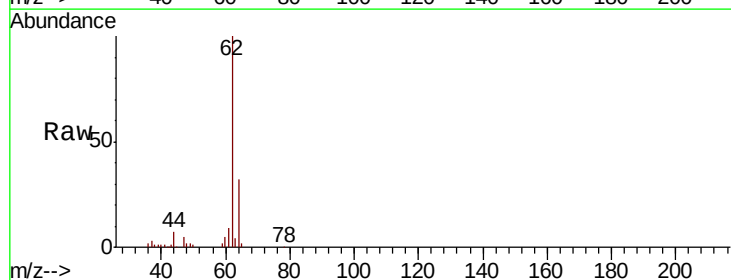
Acq: 4 Nov 2020 14:18

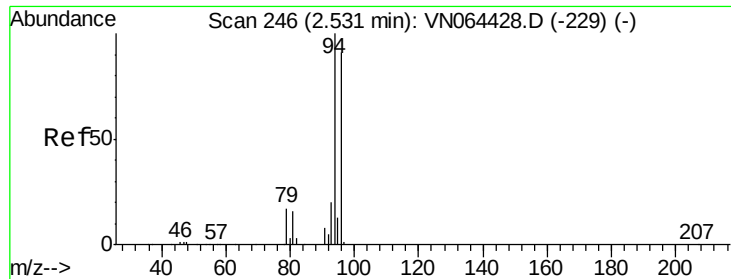
Tgt Ion: 62 Resp: 94015

Ion Ratio Lower Upper

62 100

64 32.2 26.3 39.5





#5

Bromomethane

Concen: 18.971 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

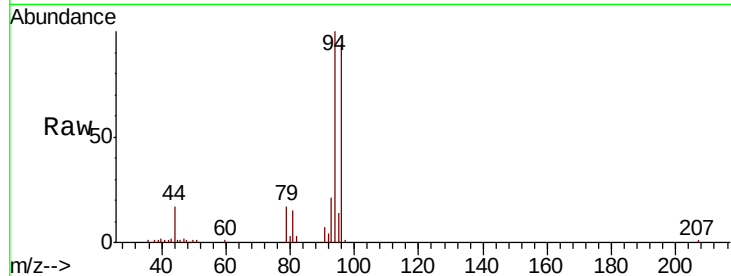
ClientSampled :

Tot Ion: 94 Resp: 63415

Ion Ratio Lower Upper

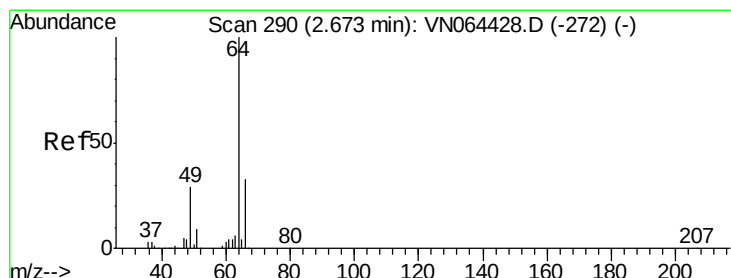
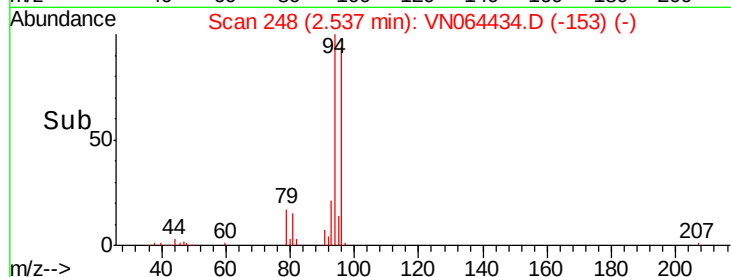
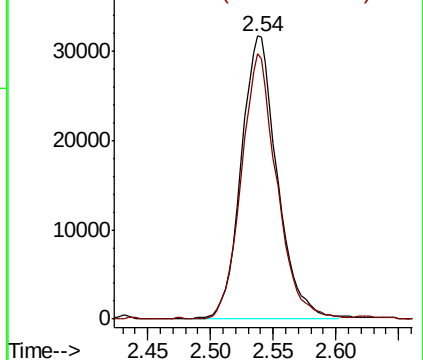
94 100

96 93.7 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.869 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064434.D

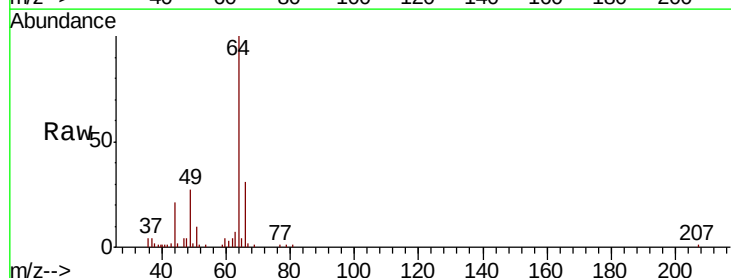
Acq: 4 Nov 2020 14:18

Tgt Ion: 64 Resp: 59865

Ion Ratio Lower Upper

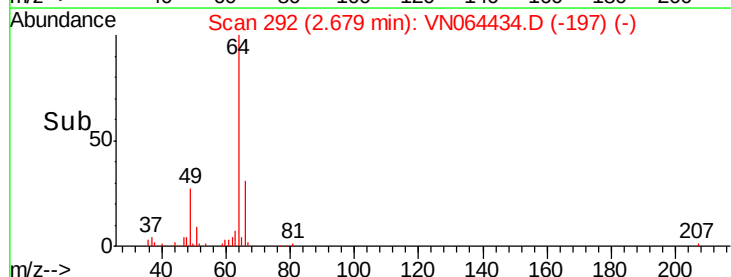
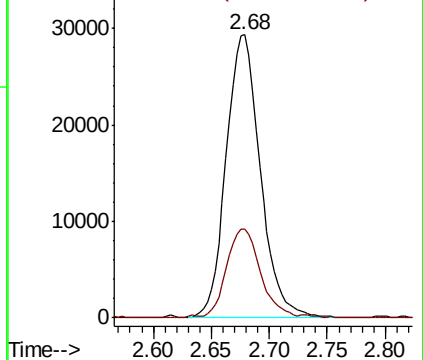
64 100

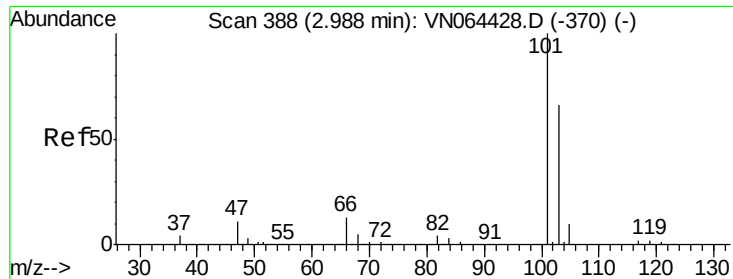
66 31.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



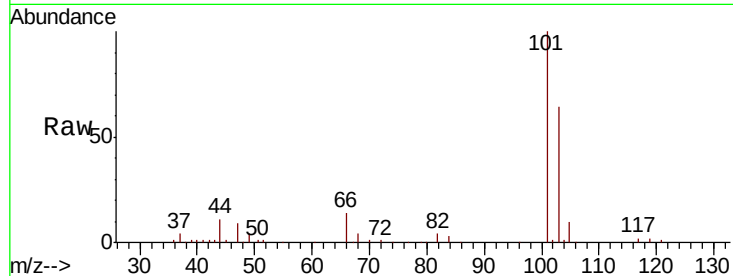


#7

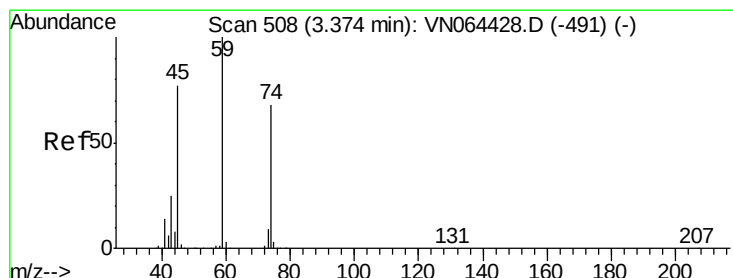
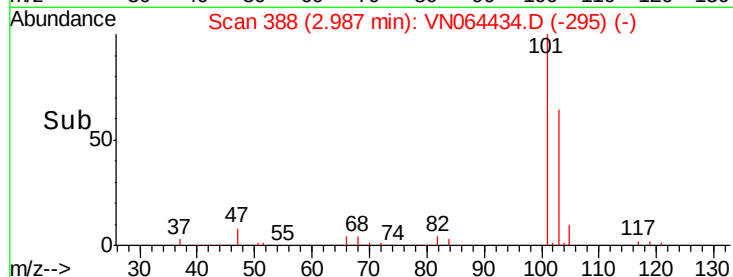
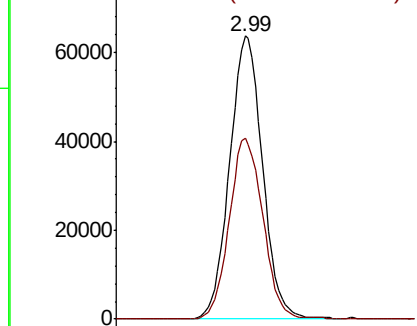
Trichlorofluoromethane
Concen: 17.849 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 137524
Ion Ratio Lower Upper
101 100
103 63.8 52.4 78.6



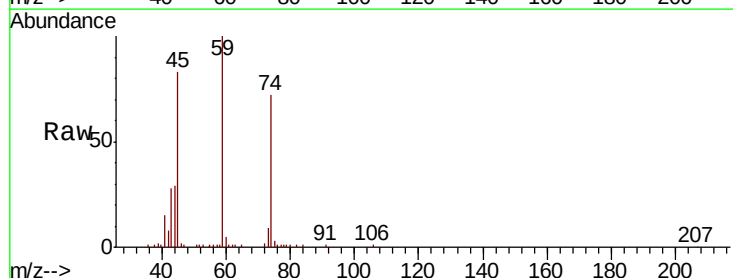
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



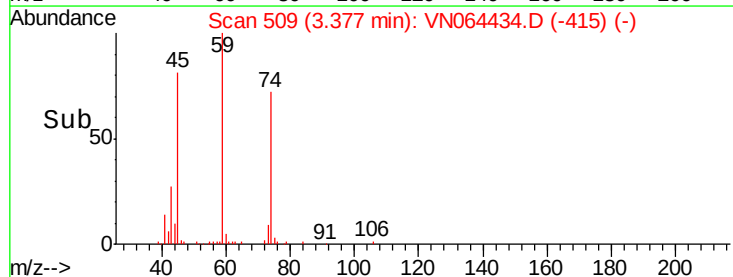
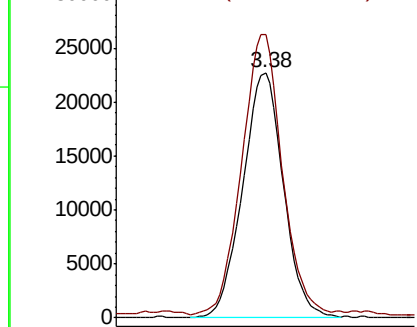
#8

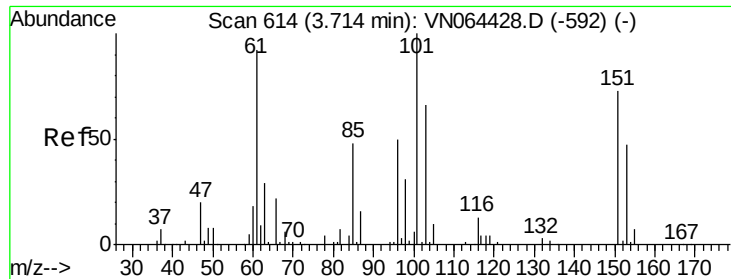
Diethyl Ether
Concen: 18.345 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 74 Resp: 49915
Ion Ratio Lower Upper
74 100
45 112.8 55.9 167.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO

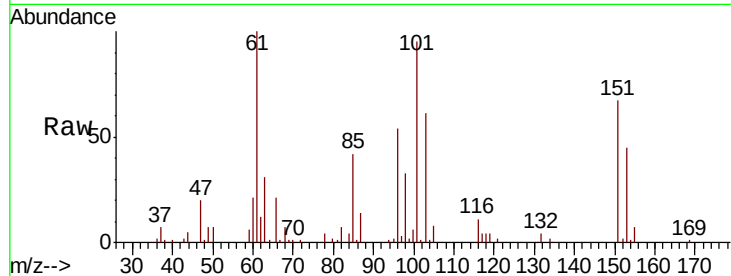




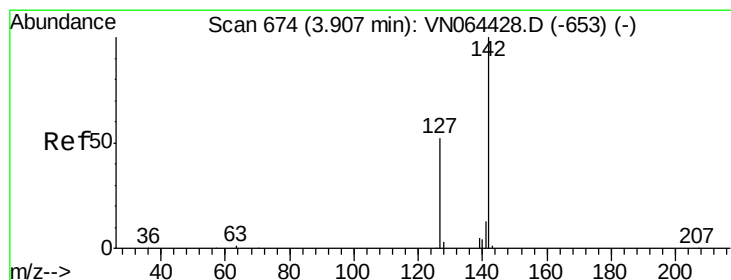
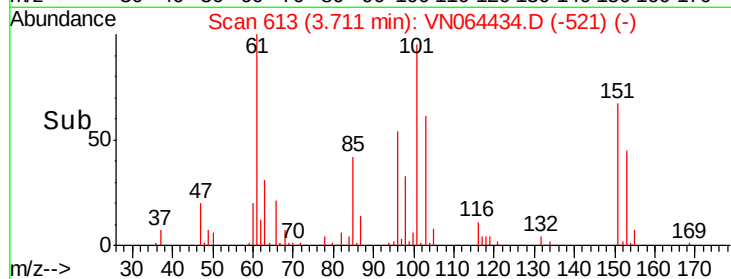
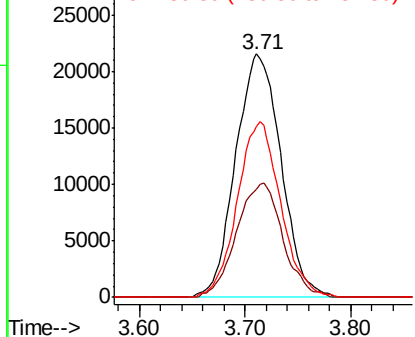
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.645 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 64560
 Ion Ratio Lower Upper
 101 100
 85 47.8 38.6 57.8
 151 68.9 57.5 86.3

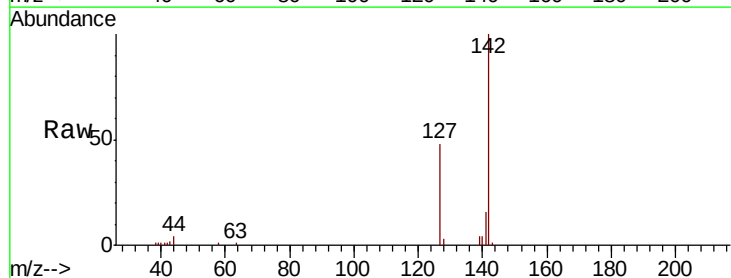


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

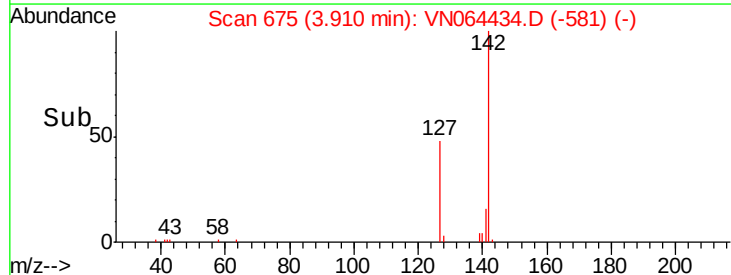
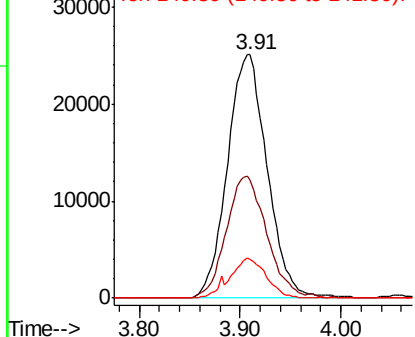


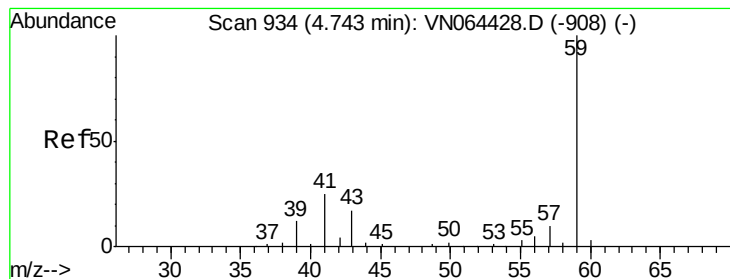
#10
 Methyl Iodide
 Concen: 16.141 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion:142 Resp: 68626
 Ion Ratio Lower Upper
 142 100
 127 50.6 41.8 62.8
 141 15.1 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.009 ug/l

RT: 4.75 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

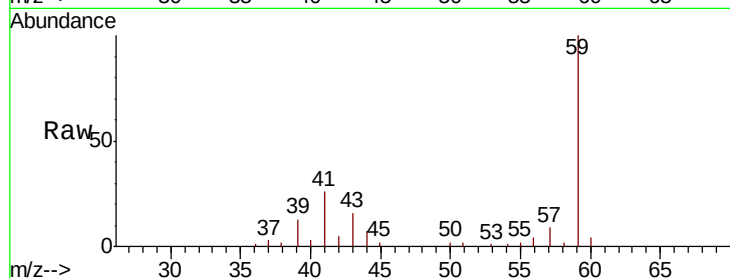
ClientSampleId :

Tot Ion: 59 Resp: 58195

Ion Ratio Lower Upper

59 100

57 5.7 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064428.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN064428.D (-908) (-)

4.75

15000

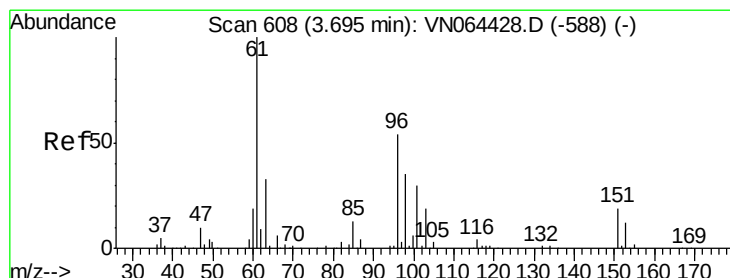
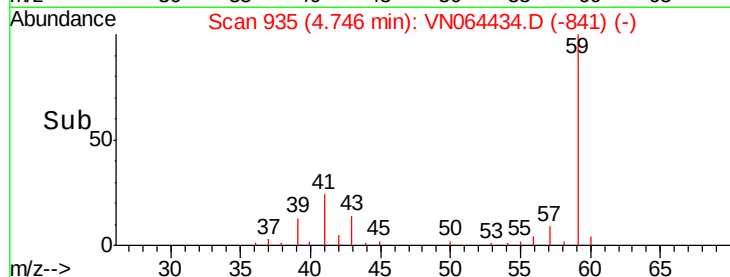
10000

5000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 17.576 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

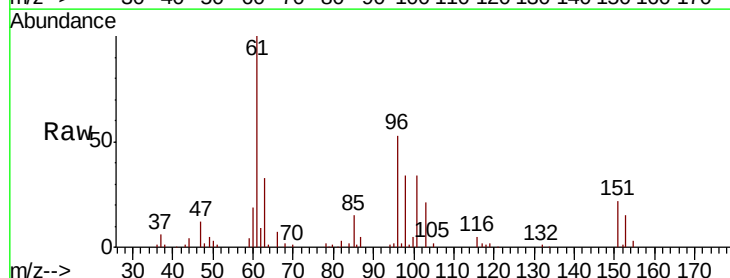
Tgt Ion: 96 Resp: 60577

Ion Ratio Lower Upper

96 100

61 186.5 149.5 224.3

98 63.7 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-588) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-588) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-588) (-)

60000

50000

40000

30000

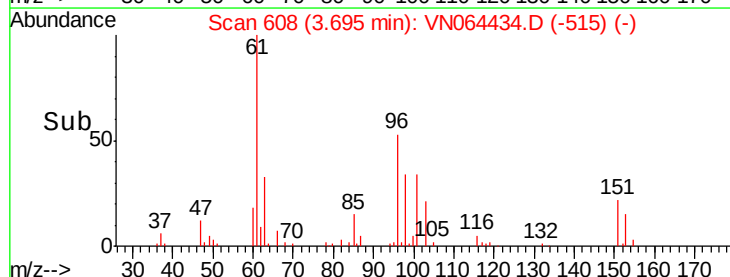
20000

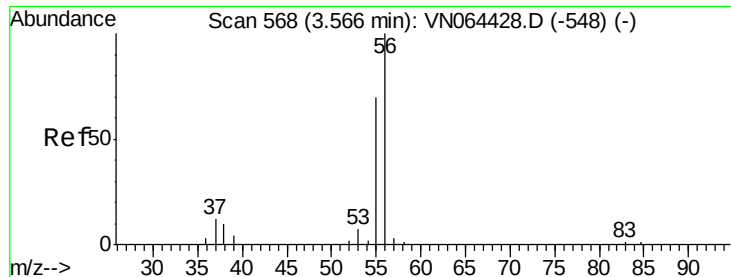
10000

0

Time-->

3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 91.463 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

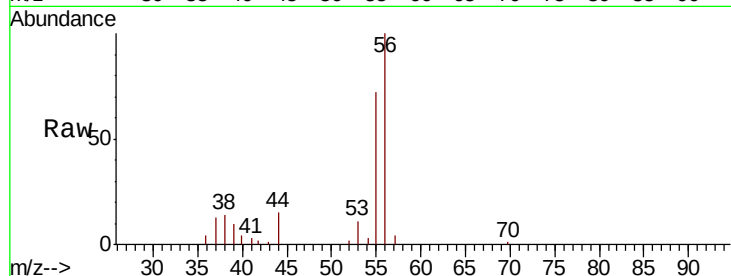
ClientSampleId :

Tot Ion: 56 Resp: 35120

Ion Ratio Lower Upper

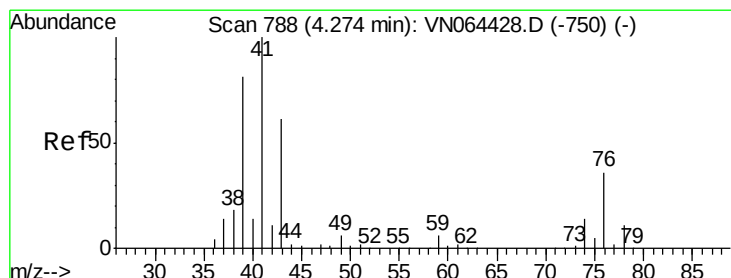
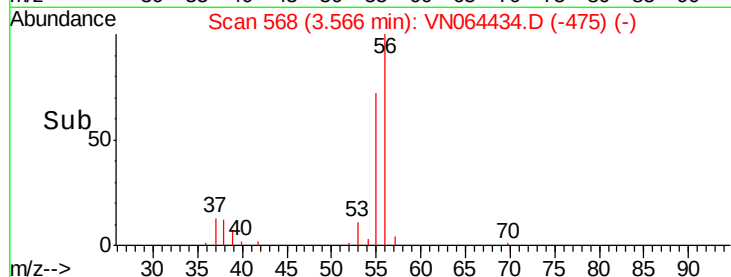
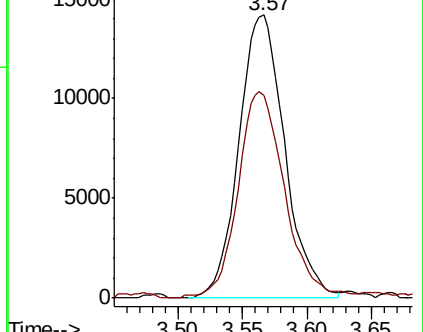
56 100

55 74.3 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN064434.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064434.D (-548) (-)



#14

Allyl chloride

Concen: 17.149 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

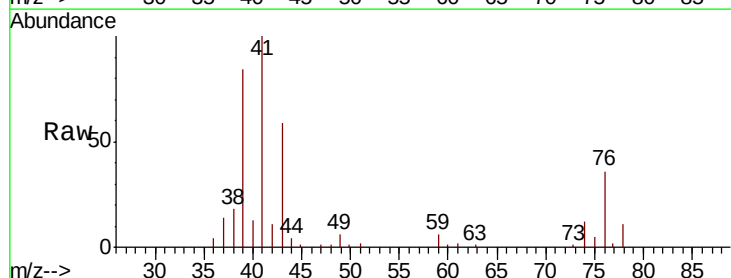
Tgt Ion: 41 Resp: 115624

Ion Ratio Lower Upper

41 100

39 79.3 61.8 92.8

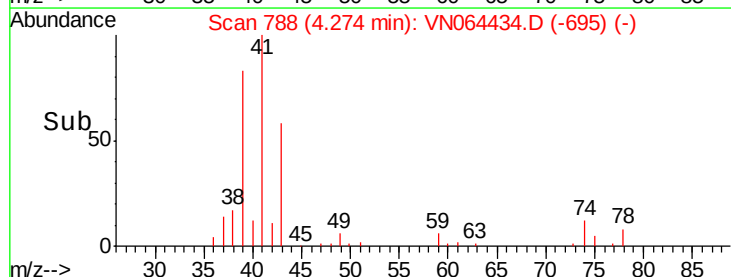
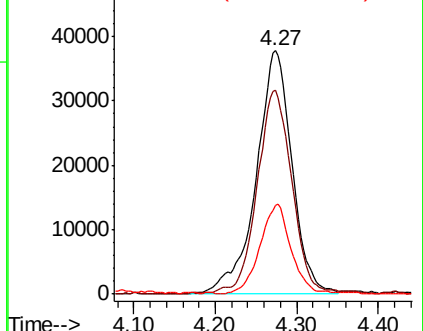
76 32.0 25.4 38.0

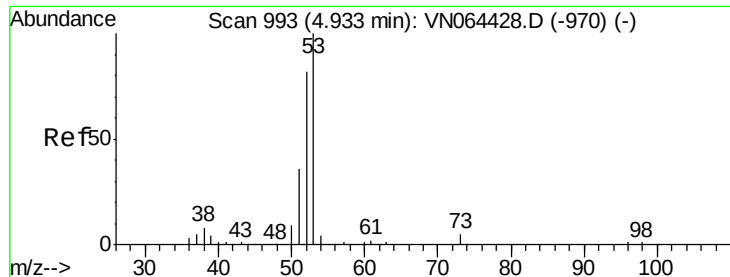


Abundance Ion 41.00 (40.70 to 41.70): VN064434.D (-695) (-)

Ion 39.00 (38.70 to 39.70): VN064434.D (-695) (-)

Ion 75.90 (75.60 to 76.60): VN064434.D (-695) (-)





#15

Acrylonitrile

Concen: 93.229 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

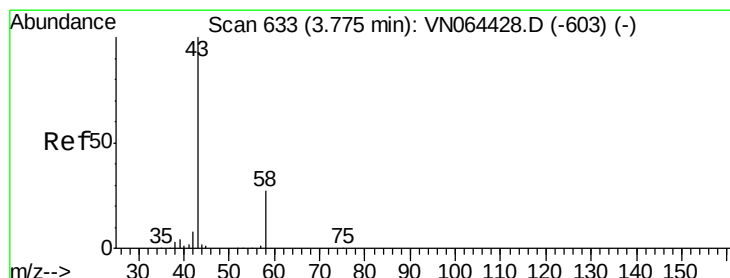
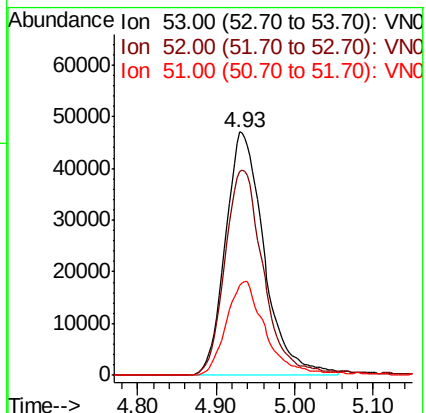
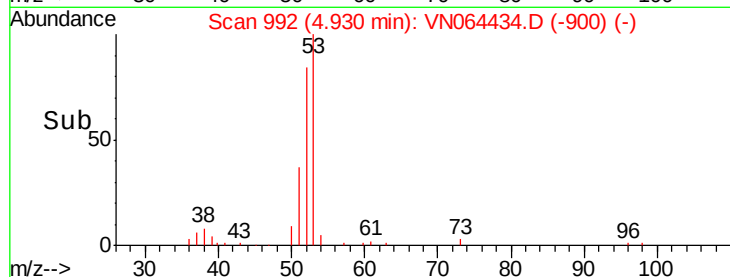
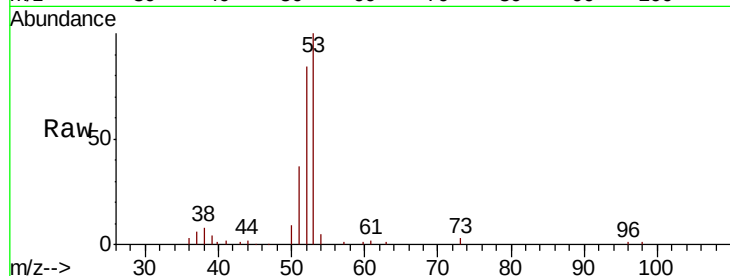
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 160678

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.6	98.4
51	39.0	29.9	44.9



#16

Acetone

Concen: 81.302 ug/l

RT: 3.78 min Scan# 634

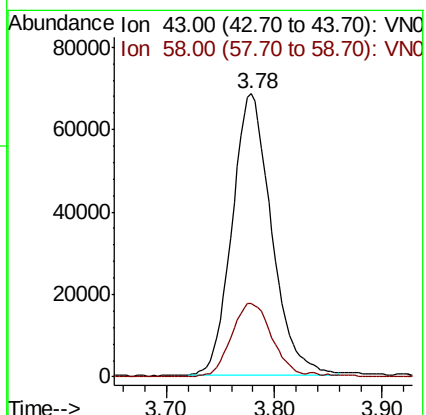
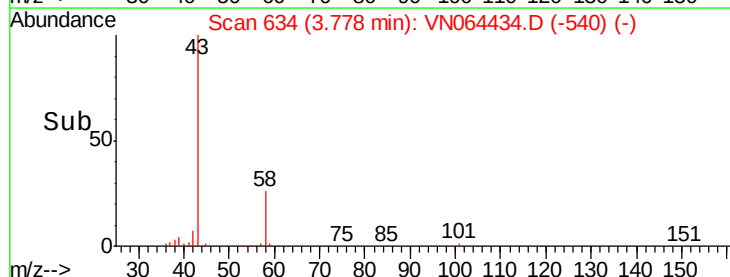
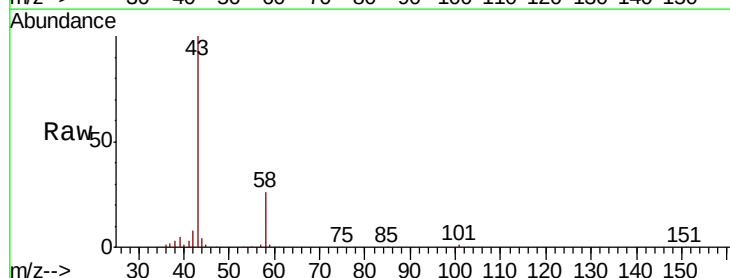
Delta R.T. 0.00 min

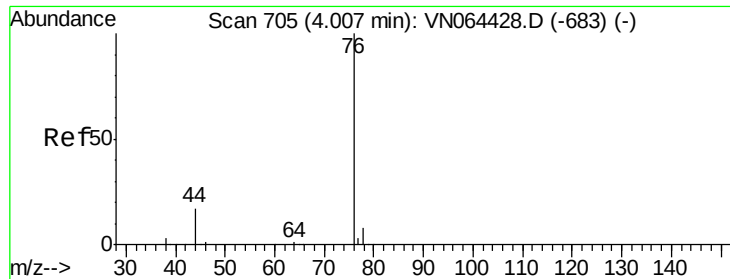
Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Tgt Ion: 43 Resp: 173843

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.4	32.0





#17

Carbon Disulfide

Concen: 17.428 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

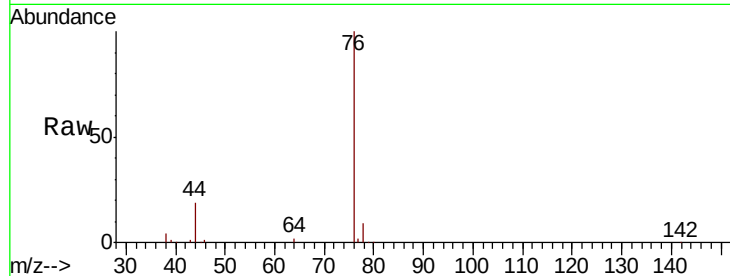
ClientSampleId :

Tot Ion: 76 Resp: 179633

Ion Ratio Lower Upper

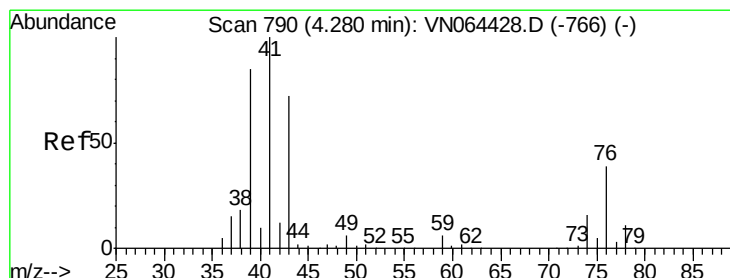
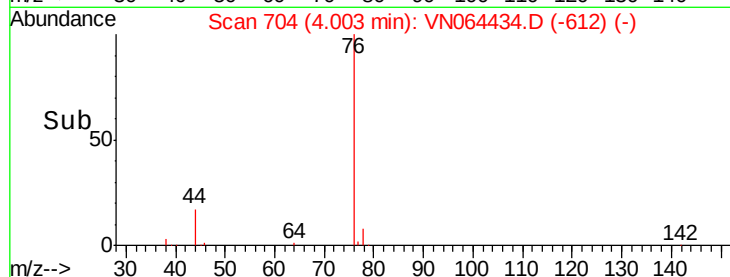
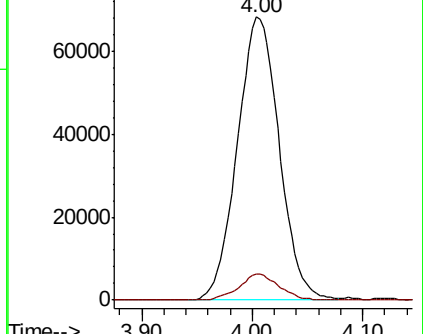
76 100

78 9.4 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN064428.D (-683) (-)

Ion 77.90 (77.60 to 78.60): VN064428.D (-683) (-)



#18

Methyl Acetate

Concen: 17.874 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064434.D

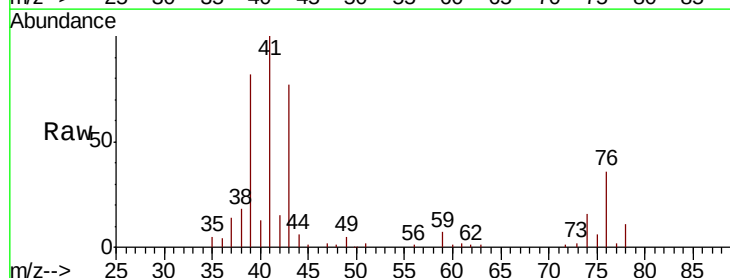
Acq: 4 Nov 2020 14:18

Tgt Ion: 43 Resp: 75138

Ion Ratio Lower Upper

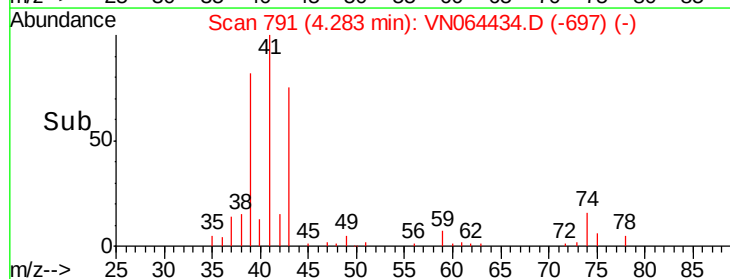
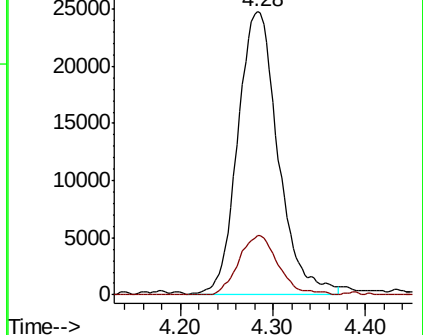
43 100

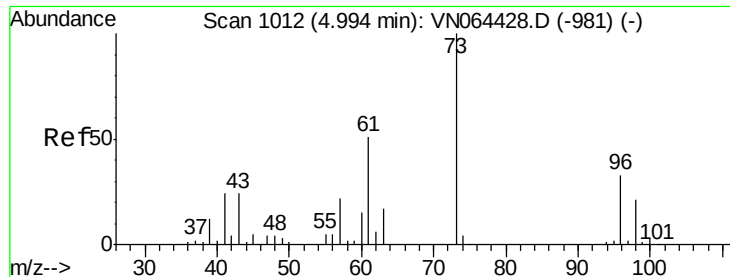
74 20.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.30): VN064428.D (-766) (-)

Ion 74.00 (73.70 to 74.30): VN064428.D (-766) (-)

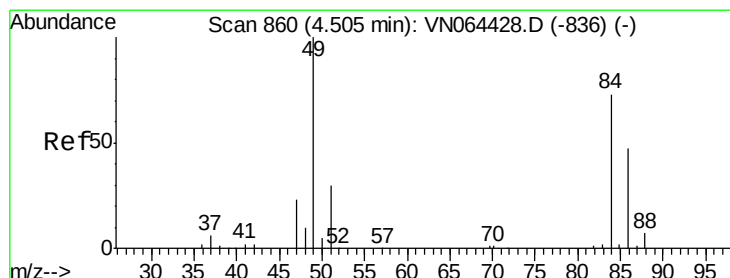
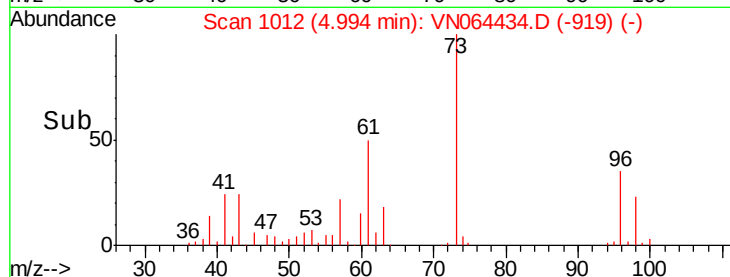
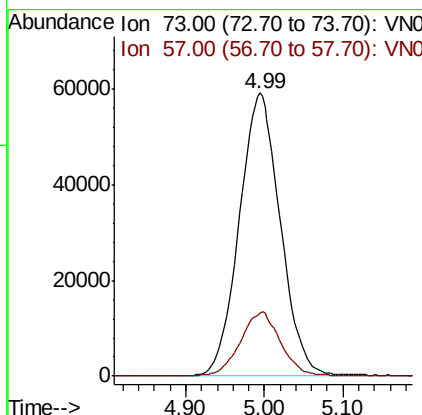
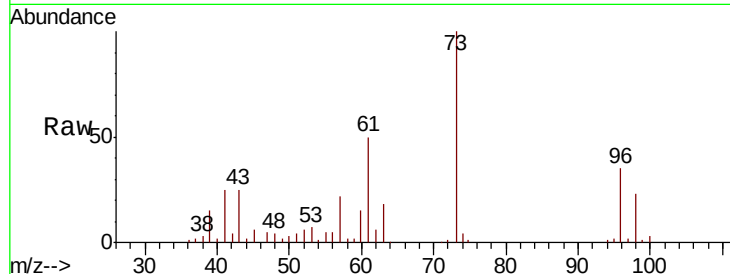




#19
Methvl tert-butvl Ether
Concen: 17.489 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

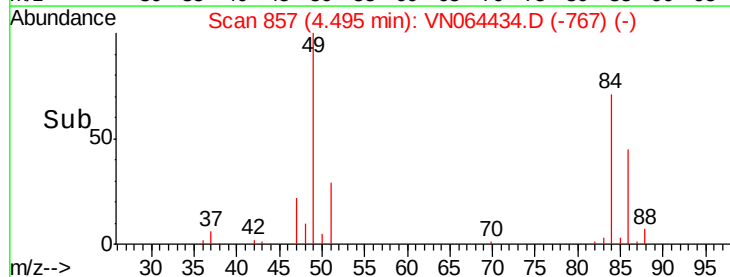
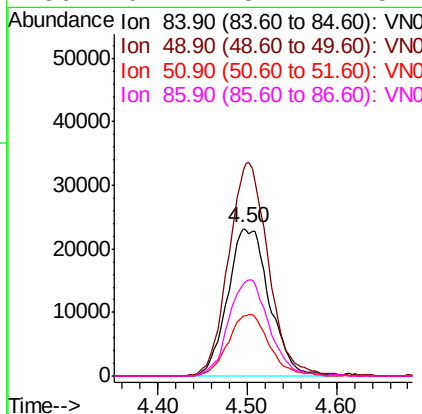
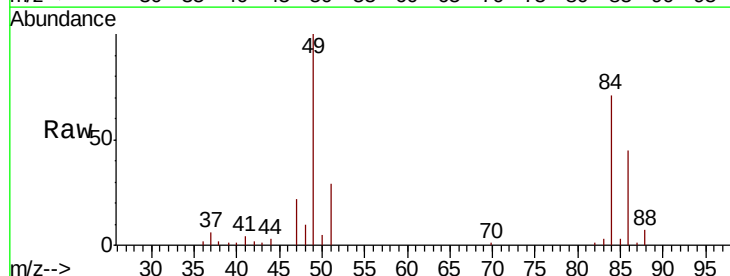
Instrument :
MSVOA_N
ClientSampled :

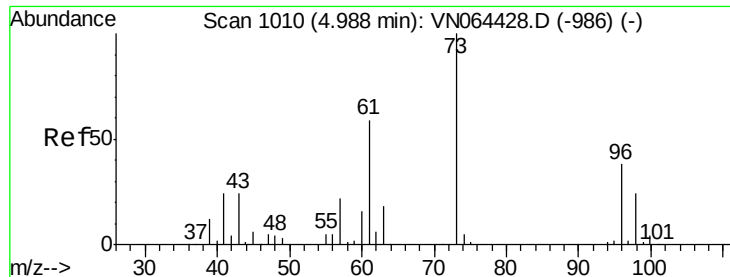
Tot Ion: 73 Resp: 216939
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5



#20
Methylene Chloride
Concen: 17.708 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 84 Resp: 75123
Ion Ratio Lower Upper
84 100
49 139.4 110.1 165.1
51 40.7 33.6 50.4
86 62.7 52.1 78.1

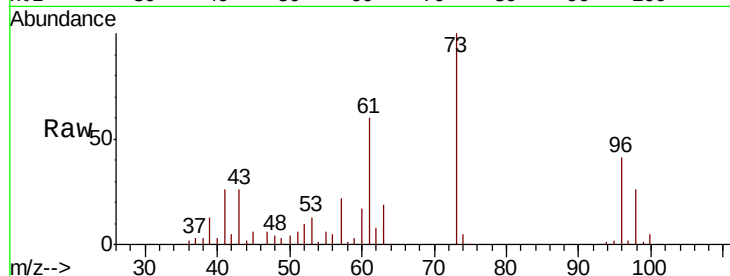




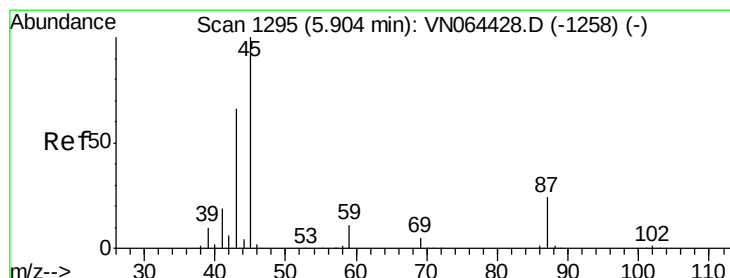
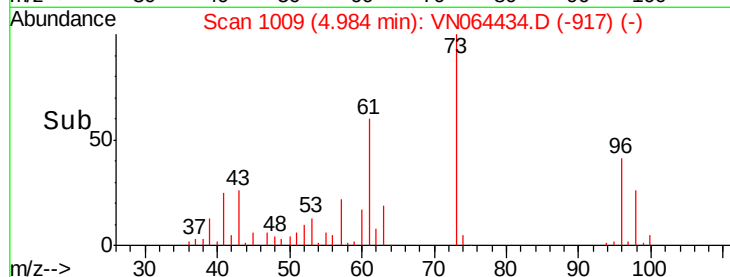
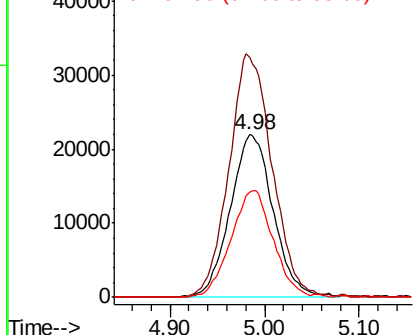
#21
trans-1,2-Dichloroethene
Concen: 17.696 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 69251
Ion Ratio Lower Upper
96 100
61 146.2 122.4 183.6
98 64.7 50.4 75.6

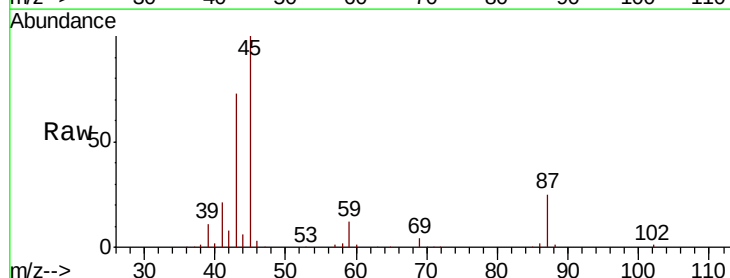


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

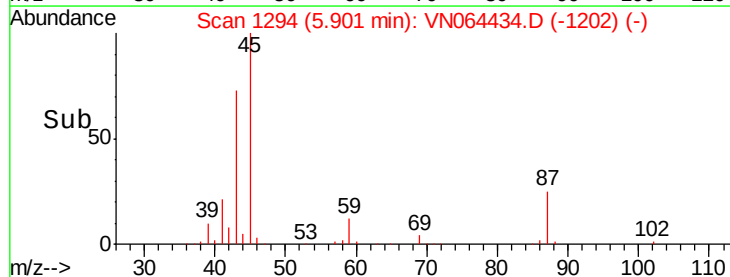
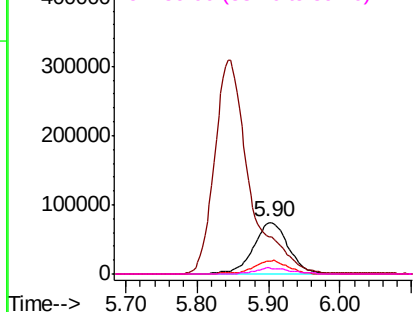


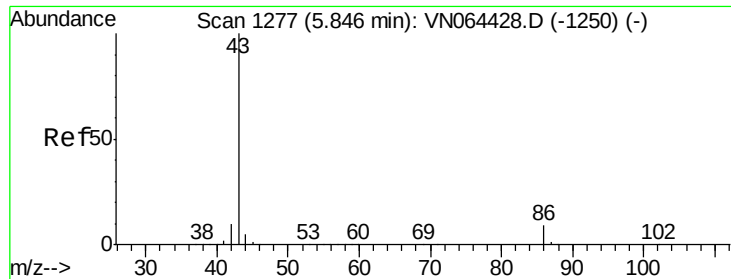
#22
Diisopropyl ether
Concen: 17.674 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 45 Resp: 252953
Ion Ratio Lower Upper
45 100
43 70.2 53.2 79.8
87 24.4 19.9 29.9
59 11.8 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

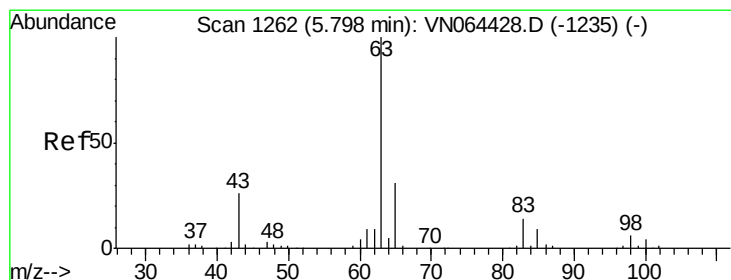
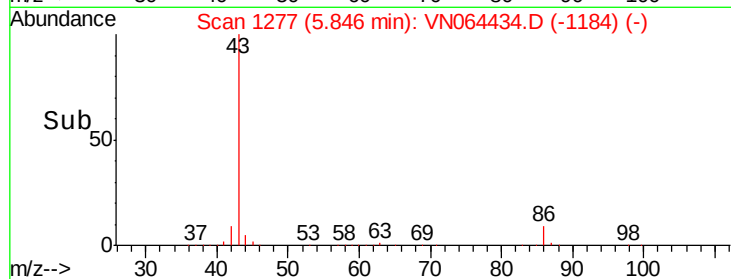
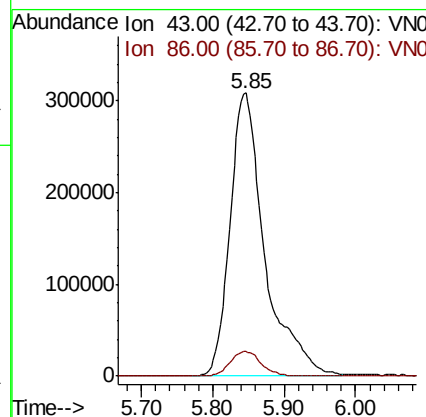
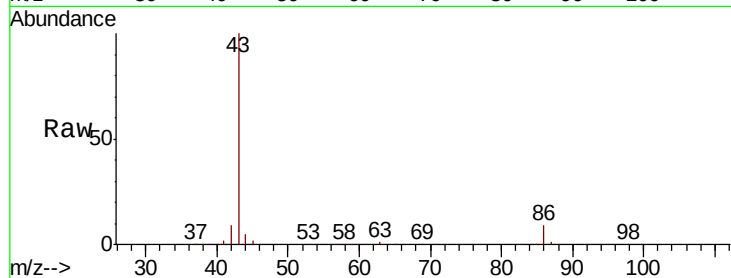




#23
 Vinyl Acetate
 Concen: 89.959 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

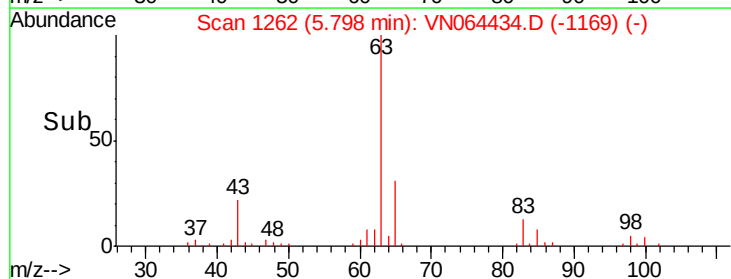
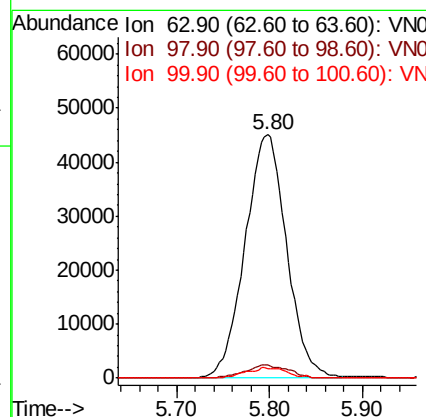
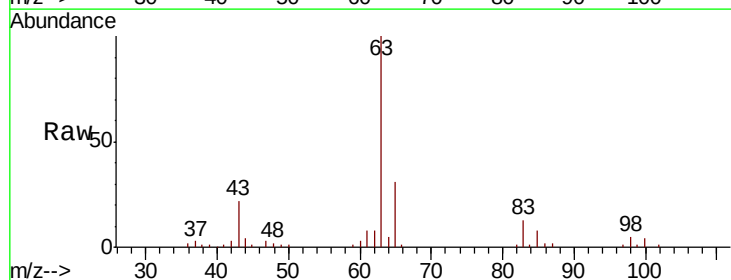
Instrument :
 MSVOA_N
 ClientSampleId :

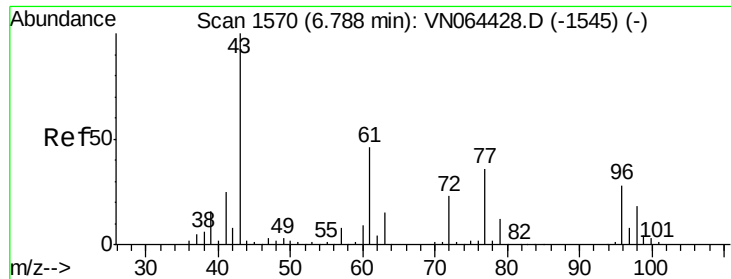
Tot Ion: 43 Resp: 1047369
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 17.870 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion: 63 Resp: 140541
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.2
 100 4.0 1.8 5.3





#25

2-Butanone

Concen: 89.547 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

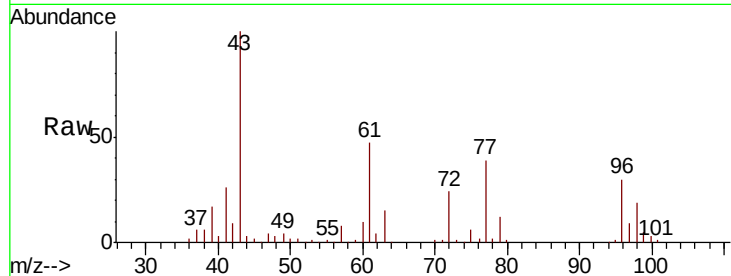
ClientSampleId :

Tot Ion: 43 Resp: 243964

Ion Ratio Lower Upper

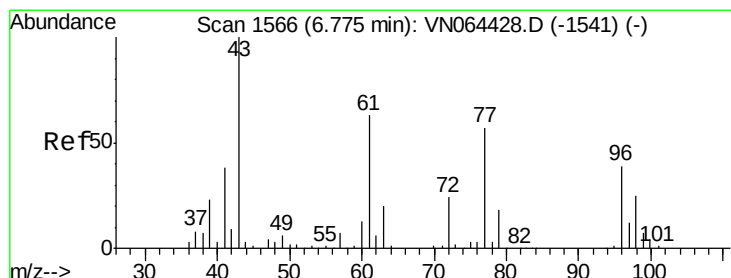
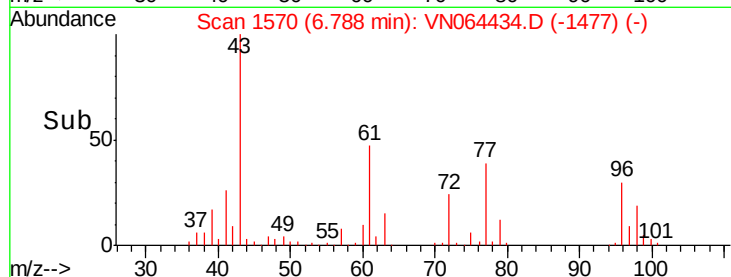
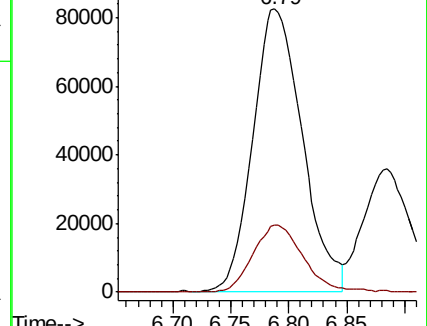
43 100

72 24.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.332 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064434.D

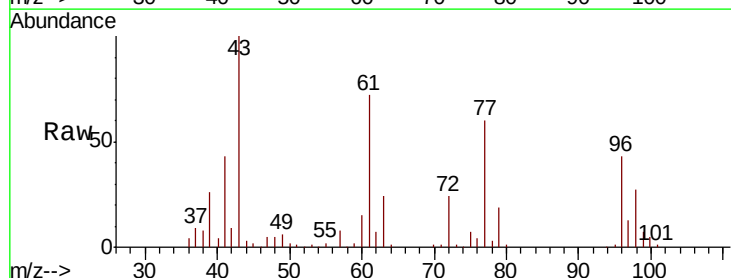
Acq: 4 Nov 2020 14:18

Tgt Ion: 77 Resp: 123388

Ion Ratio Lower Upper

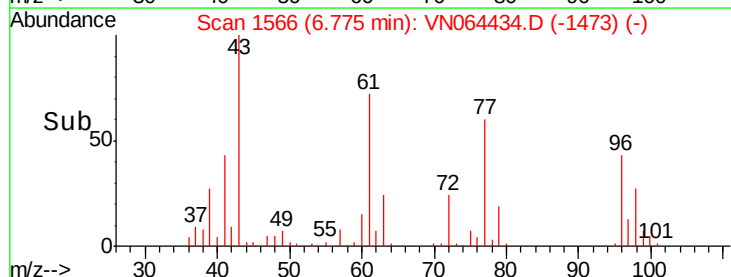
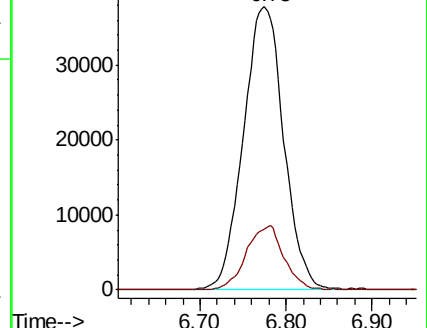
77 100

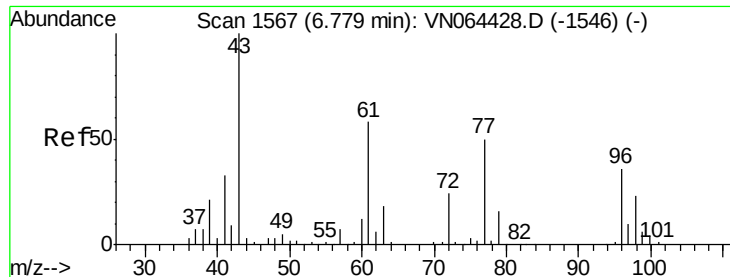
97 21.1 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.733 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :

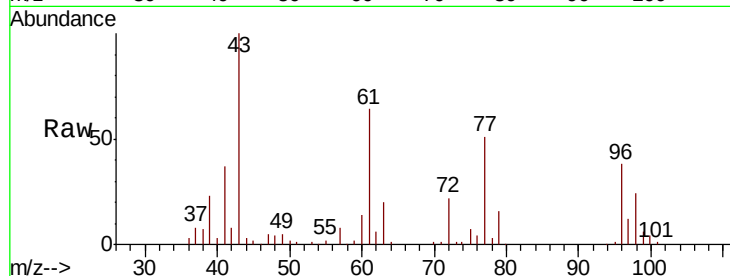
Tot Ion: 96 Resp: 80412

Ion Ratio Lower Upper

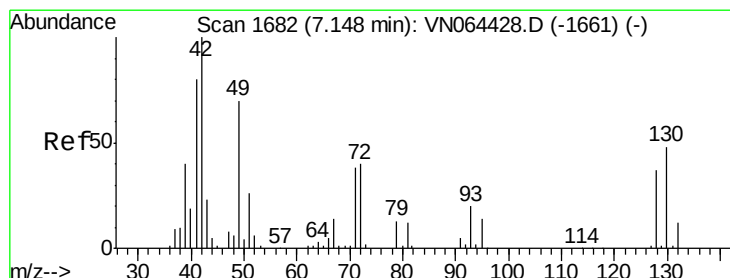
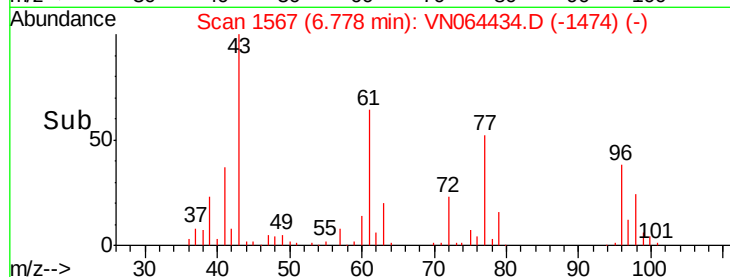
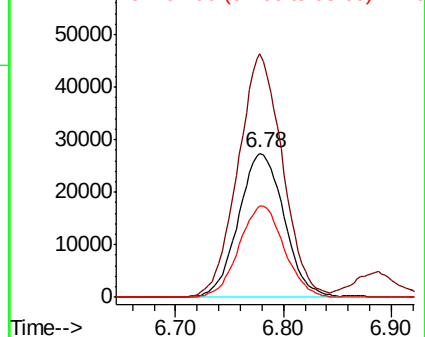
96 100

61 165.2 0.0 329.6

98 62.9 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.513 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

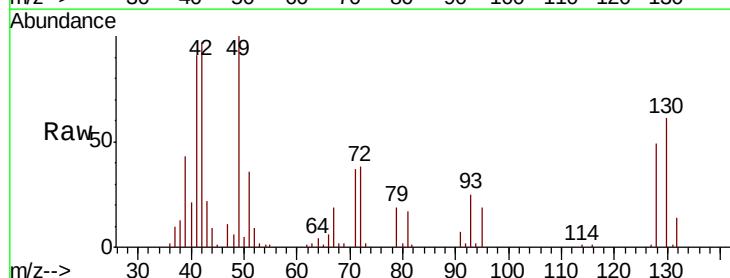
Tgt Ion: 49 Resp: 71566

Ion Ratio Lower Upper

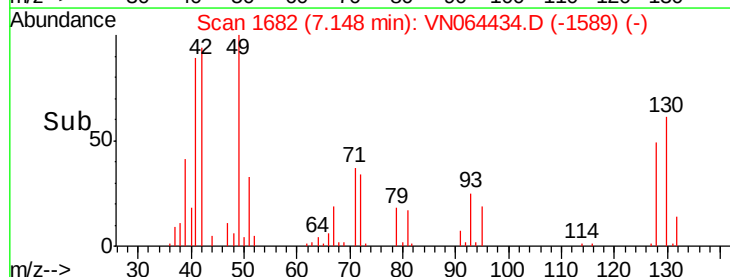
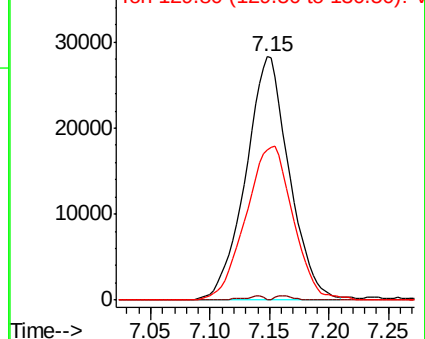
49 100

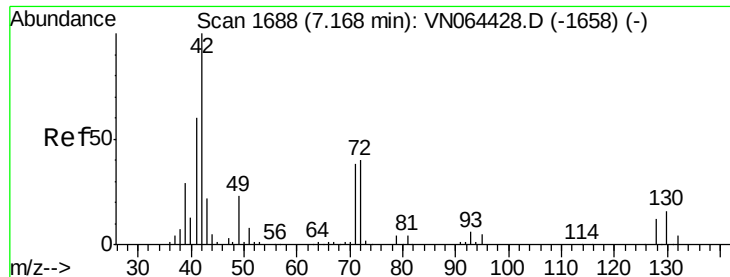
129 0.7 0.0 3.6

130 68.6 54.2 81.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

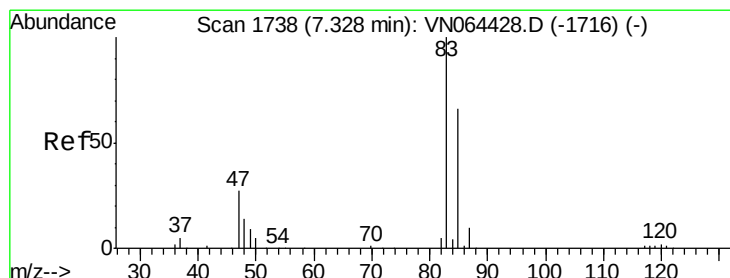
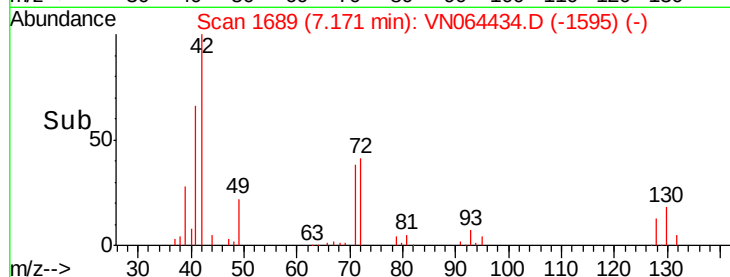
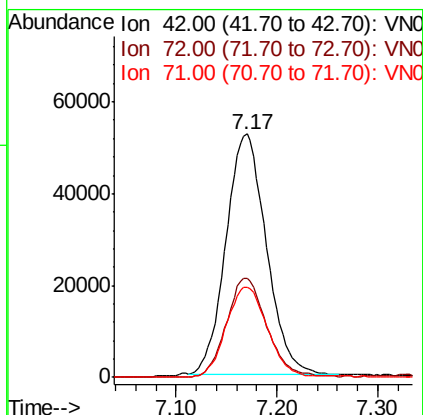
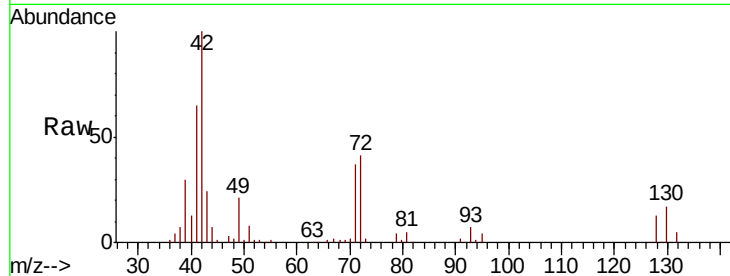




#29
Tetrahydrofuran
Concen: 87.421 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

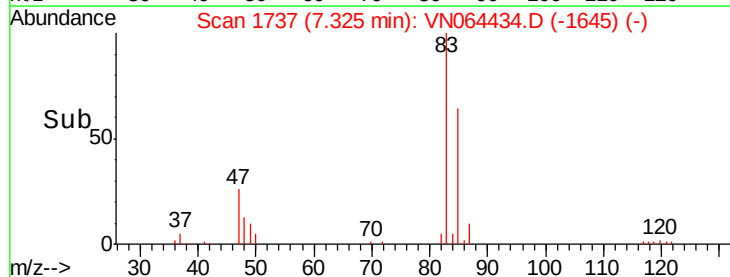
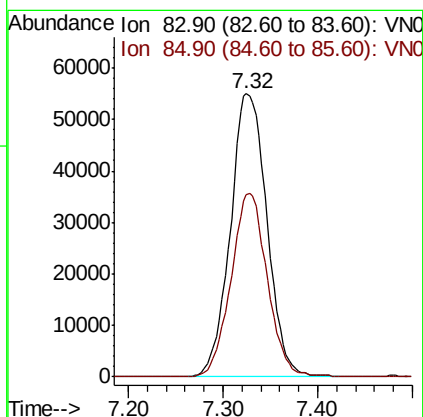
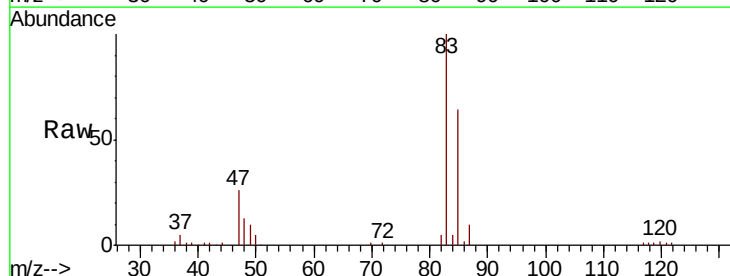
Instrument :
MSVOA_N
ClientSampled :

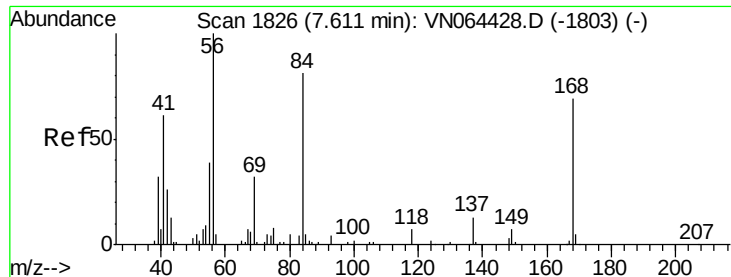
Tot Ion: 42 Resp: 146124
Ion Ratio Lower Upper
42 100
72 41.2 31.7 47.5
71 38.4 29.8 44.6



#30
Chloroform
Concen: 17.855 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 83 Resp: 147603
Ion Ratio Lower Upper
83 100
85 64.4 52.5 78.7

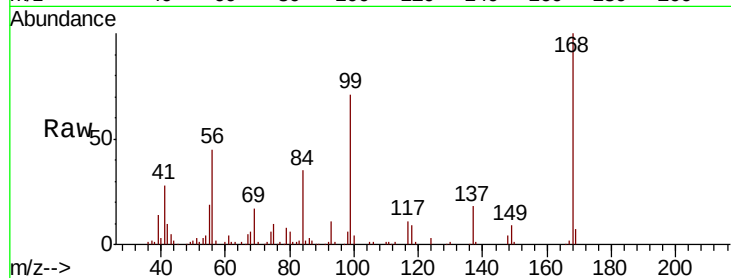




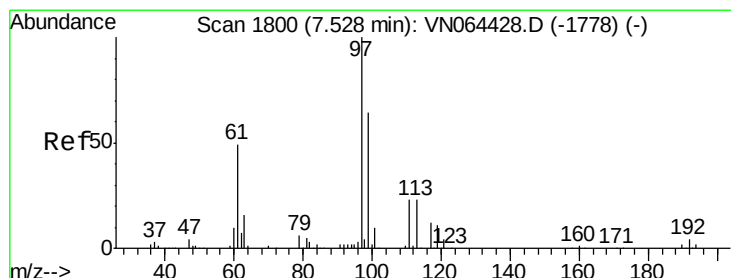
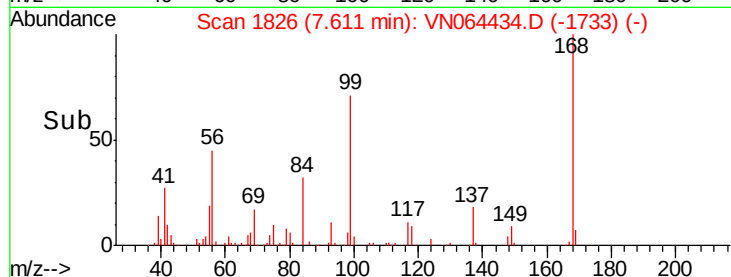
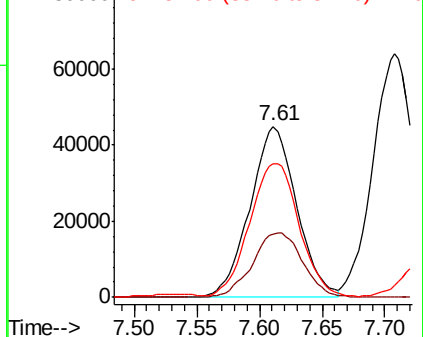
#31
Cyclohexane
Concen: 17.017 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 116116
Ion Ratio Lower Upper
56 100
69 37.3 25.6 38.4
84 76.4 63.0 94.6

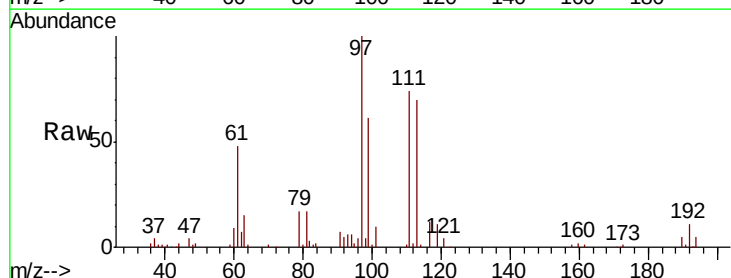


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

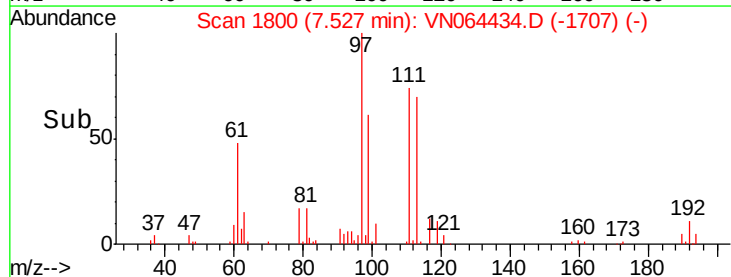
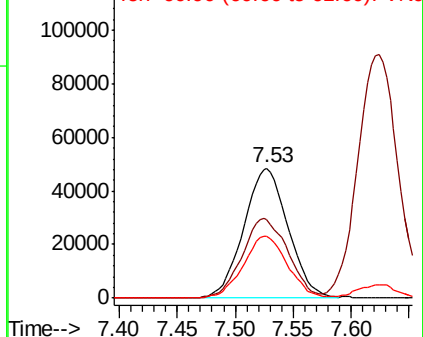


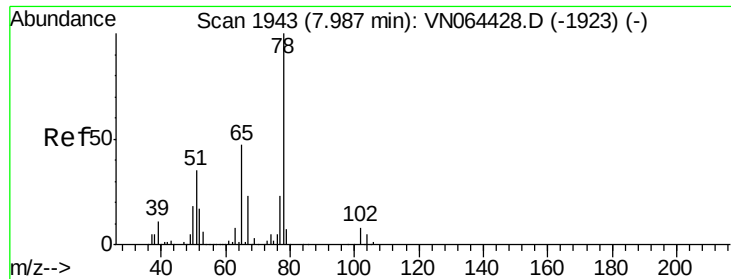
#32
1,1,1-Trichloroethane
Concen: 17.614 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 97 Resp: 129150
Ion Ratio Lower Upper
97 100
99 62.9 51.3 76.9
61 47.6 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

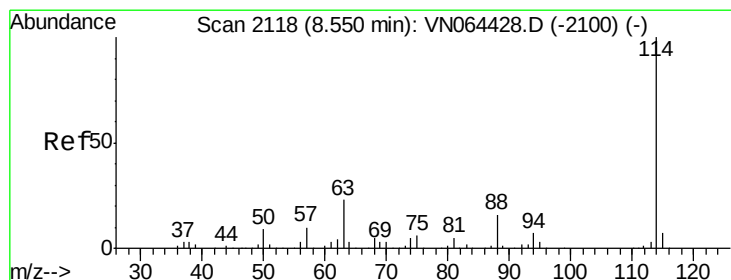
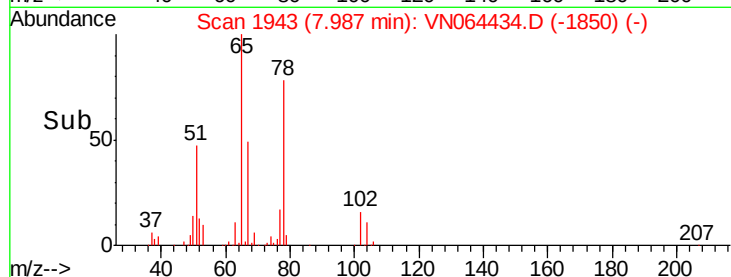
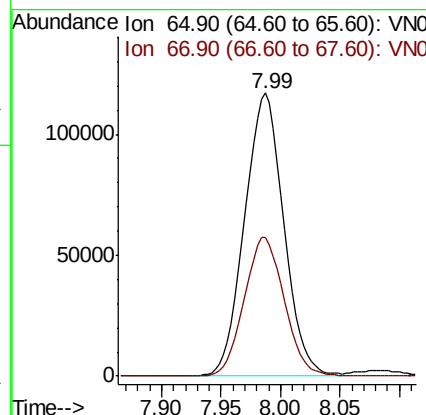
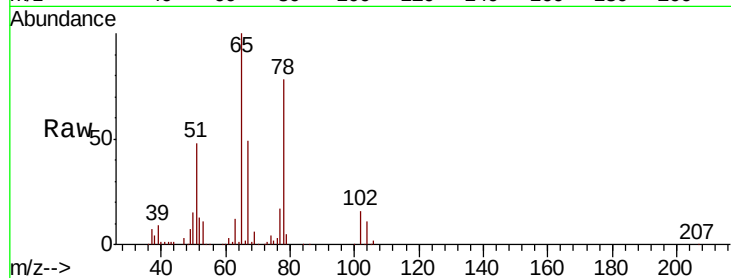




#33
 1,2-Dichloroethane-d4
 Concen: 47.633 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

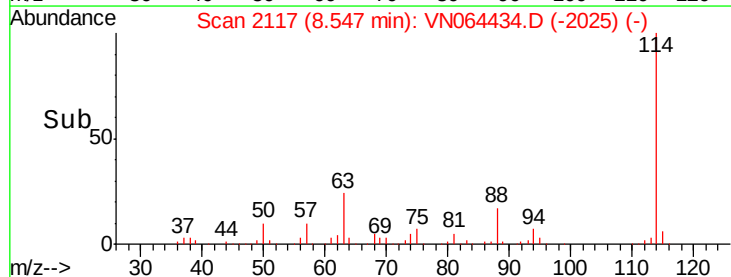
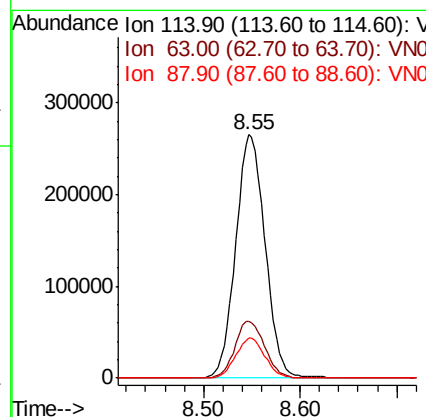
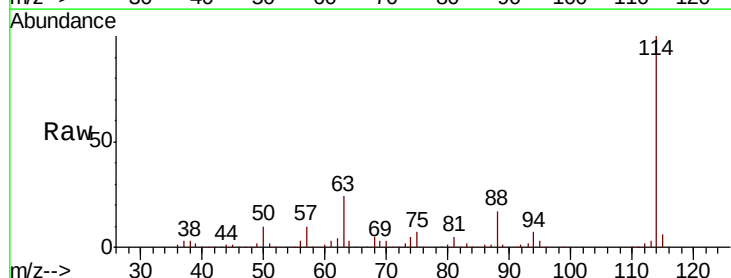
Instrument :
 MSVOA_N
 ClientSampleId :

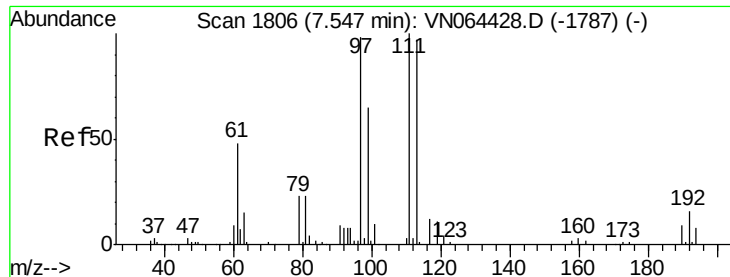
Tot Ion: 65 Resp: 267381
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion: 114 Resp: 561222
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.6
 88 16.7 0.0 32.8

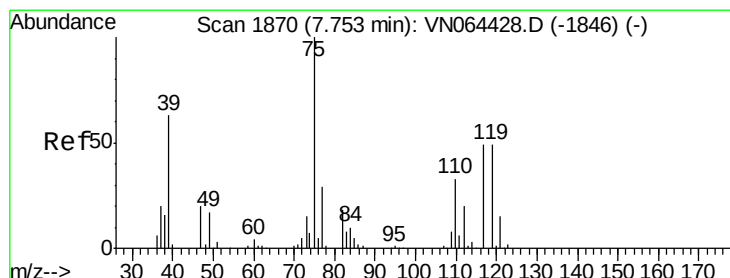
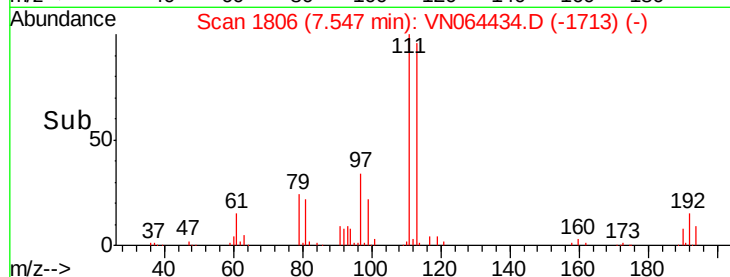
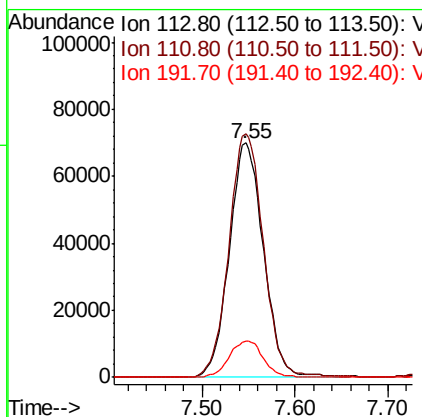
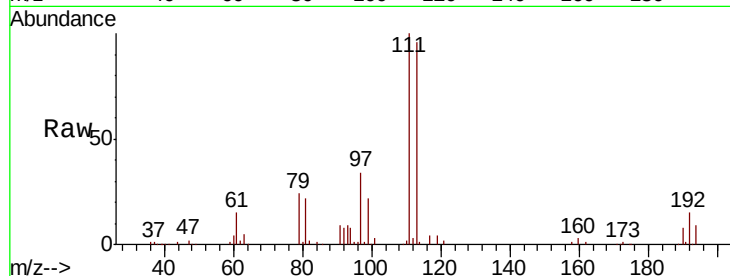




#35
 Dibromofluoromethane
 Concen: 46.852 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

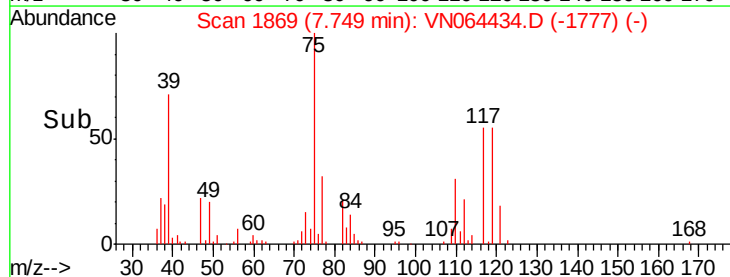
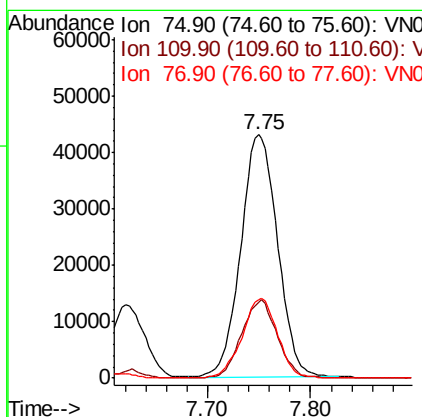
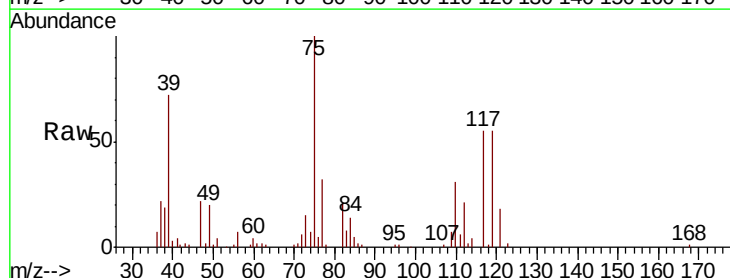
Instrument :
 MSVOA_N
 ClientSampleId :

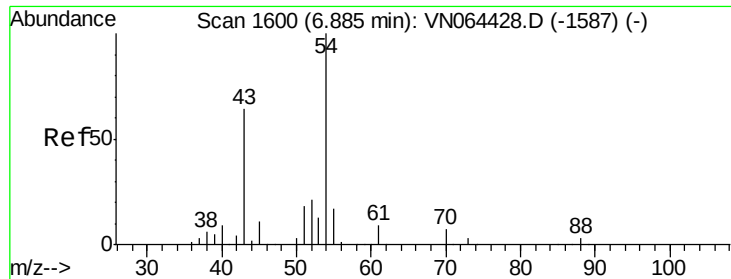
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.1	121.7
192	15.5	12.8	19.2



#36
 1,1-Dichloropropene
 Concen: 18.018 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.0	48.0
77	31.6	24.0	36.0

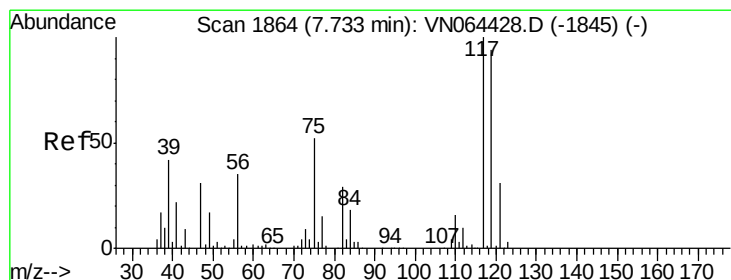
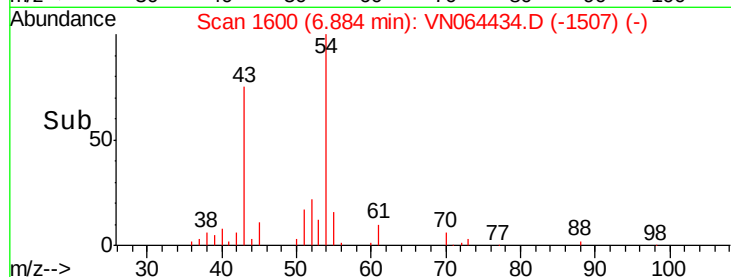
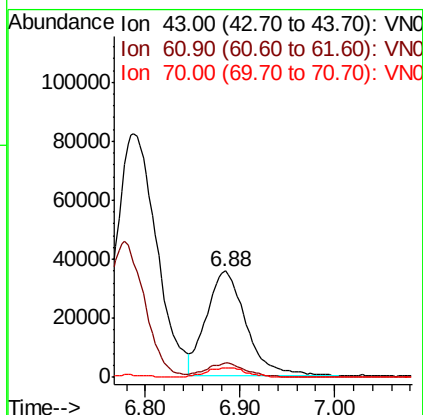
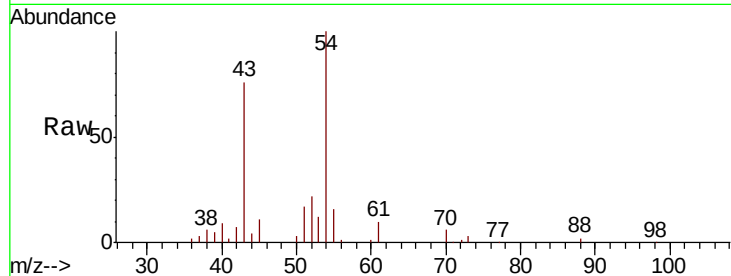




#37
Ethyl Acetate
Concen: 17.775 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

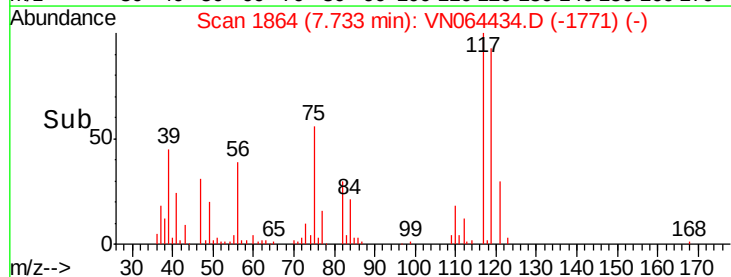
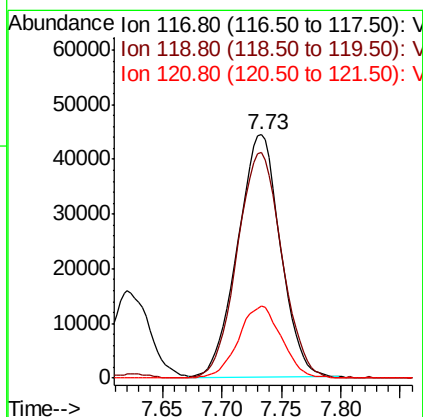
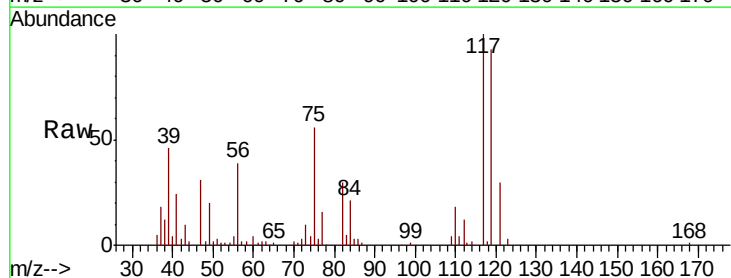
Instrument :
MSVOA_N
ClientSampled :

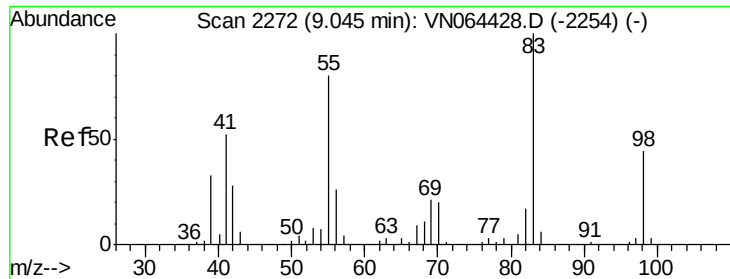
Tot Ion: 43 Resp: 103959
Ion Ratio Lower Upper
43 100
61 13.8 10.0 15.0
70 9.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 17.434 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 117 Resp: 110468
Ion Ratio Lower Upper
117 100
119 92.7 75.5 113.3
121 29.7 24.4 36.6

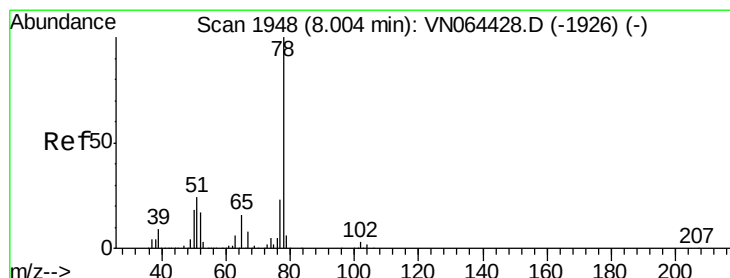
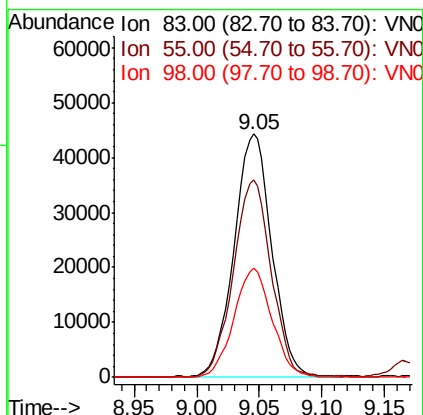
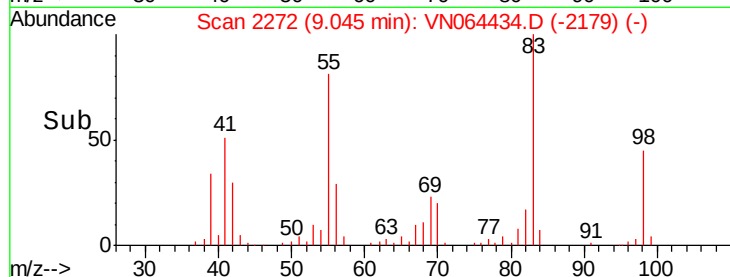
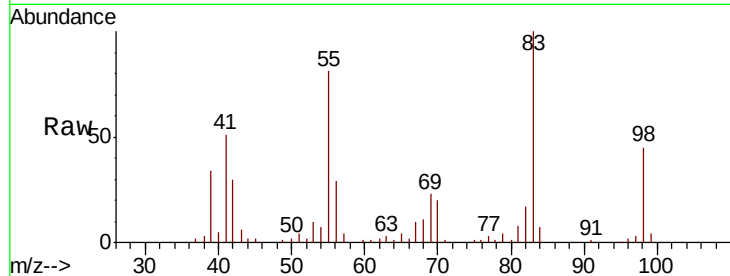




#39
Methylvlcyclohexane
Concen: 17.487 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

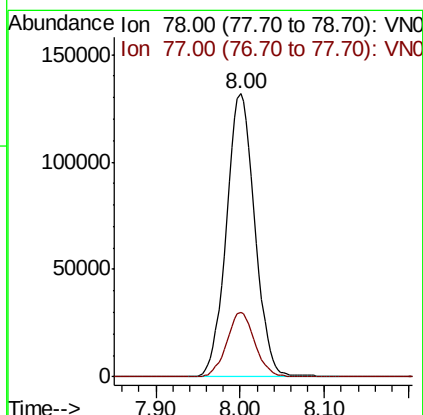
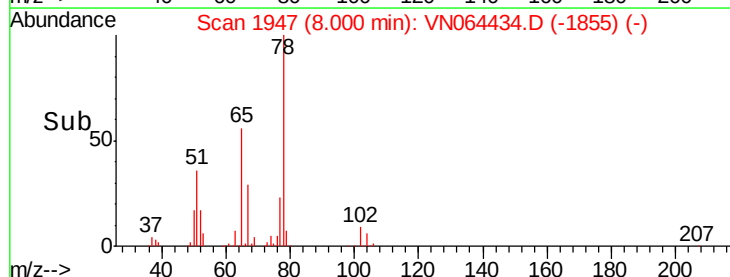
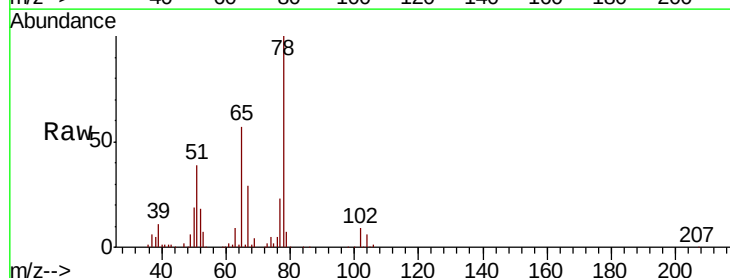
Instrument :
MSVOA_N
ClientSampled :

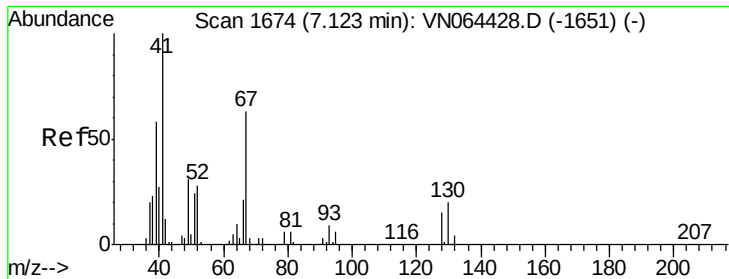
Tot Ion: 83 Resp: 92939
Ion Ratio Lower Upper
83 100
55 81.4 63.8 95.6
98 45.1 35.4 53.2



#40
Benzene
Concen: 17.698 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 78 Resp: 308342
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1





#41

Methacrylonitrile

Concen: 13.015 ug/l

RT: 7.12 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 34211

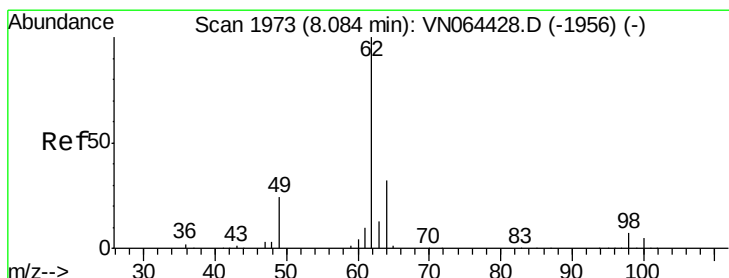
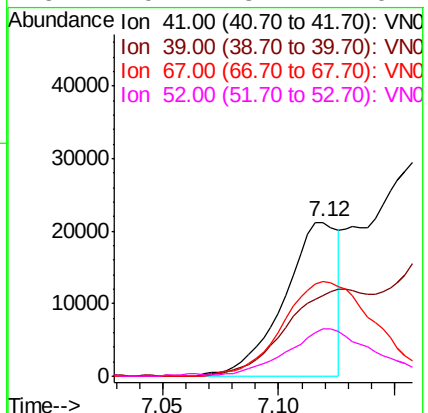
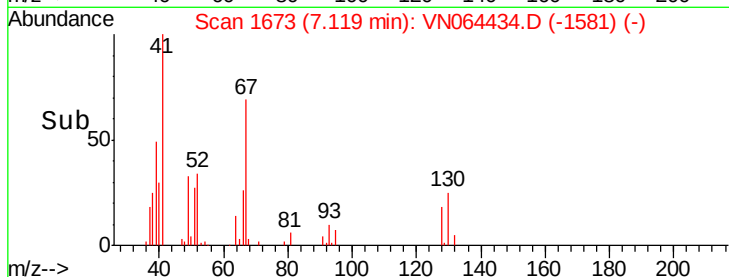
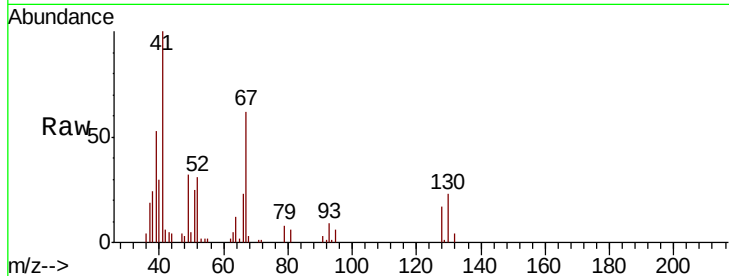
Ion Ratio Lower Upper

41 100

39 89.0 50.0 75.0#

67 107.9 68.3 102.5#

52 49.2 32.7 49.1#



#42

1,2-Dichloroethane

Concen: 18.521 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VN064434.D

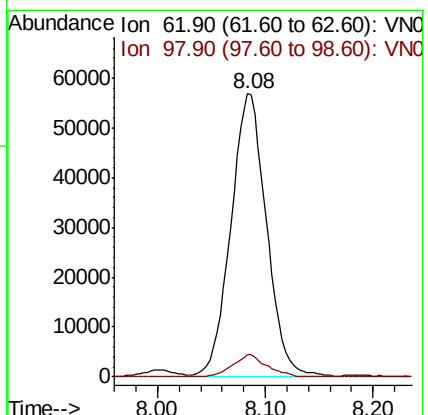
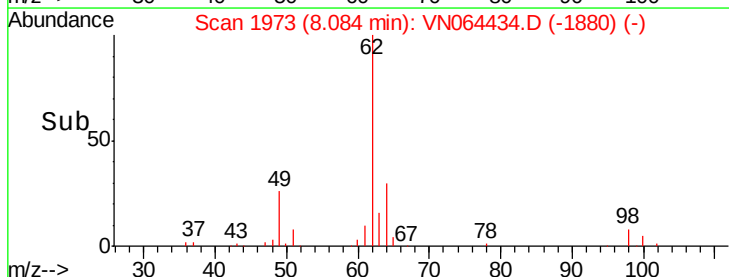
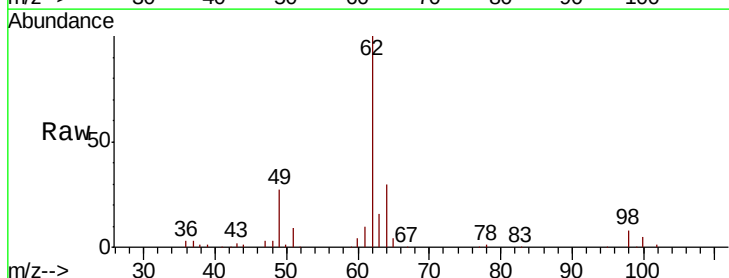
Acq: 4 Nov 2020 14:18

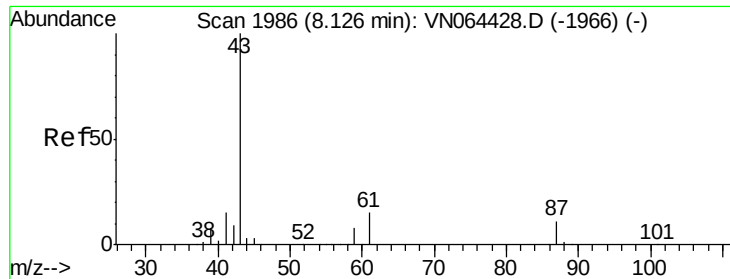
Tgt Ion: 62 Resp: 130217

Ion Ratio Lower Upper

62 100

98 7.5 0.0 14.0





#43

Isopropyl Acetate

Concen: 17.932 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampled :

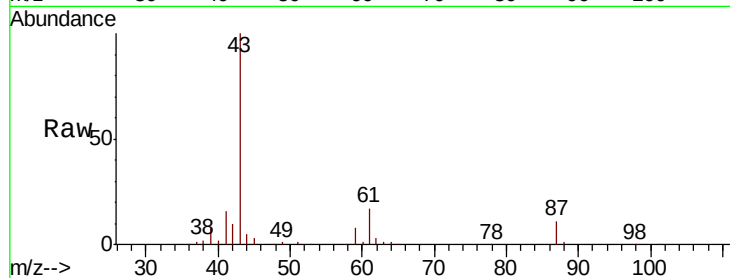
Tot Ion: 43 Resp: 172301

Ion Ratio Lower Upper

43 100

61 18.3 14.0 21.0

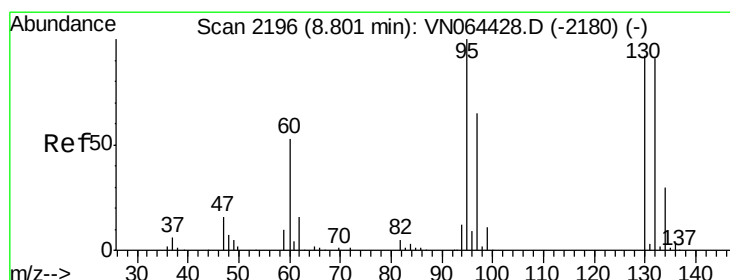
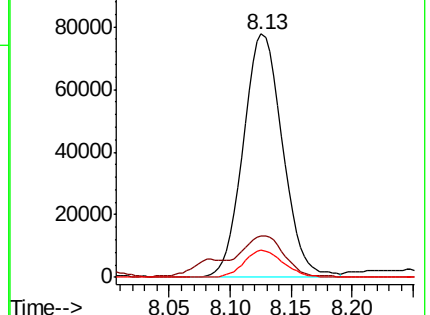
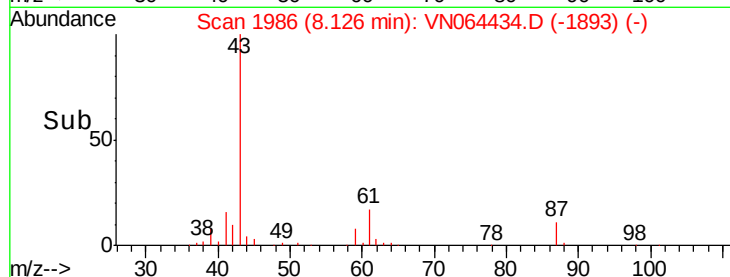
87 11.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064434.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN064434.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN064434.D (-1893) (-)



#44

Trichloroethene

Concen: 17.637 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064434.D

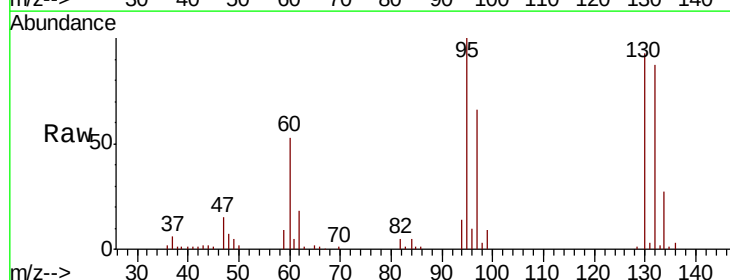
Acq: 4 Nov 2020 14:18

Tgt Ion:130 Resp: 77527

Ion Ratio Lower Upper

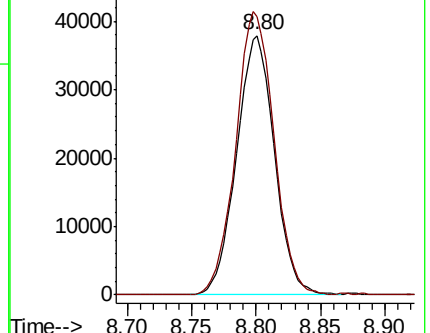
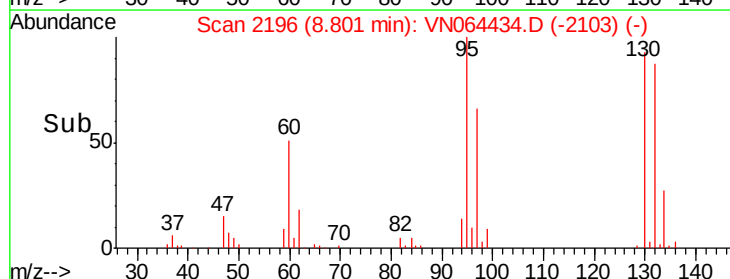
130 100

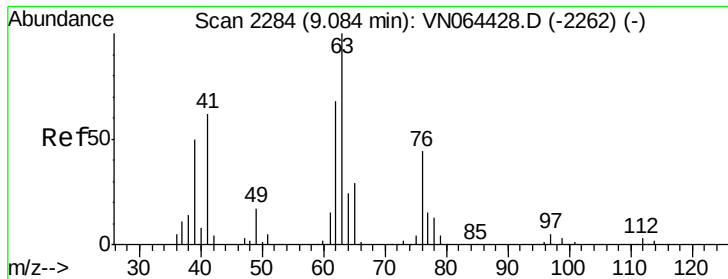
95 107.6 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064434.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064434.D (-2103) (-)

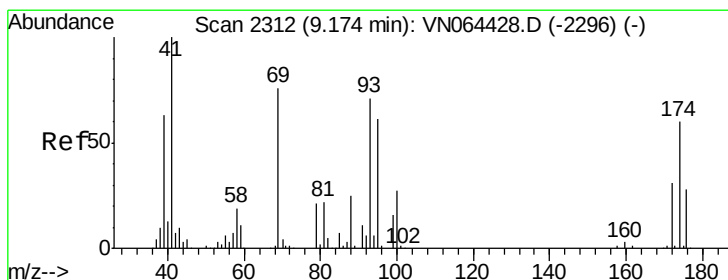
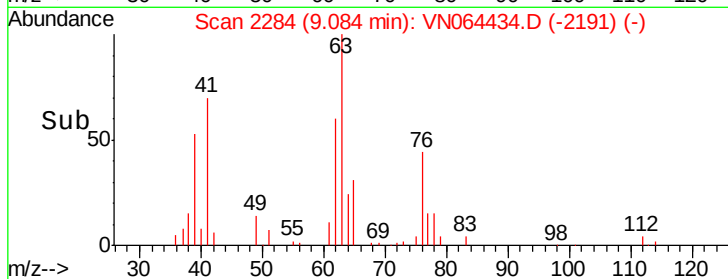
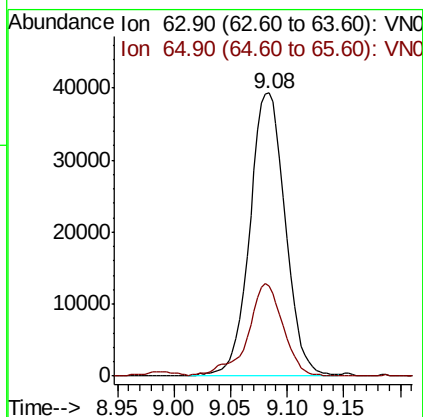
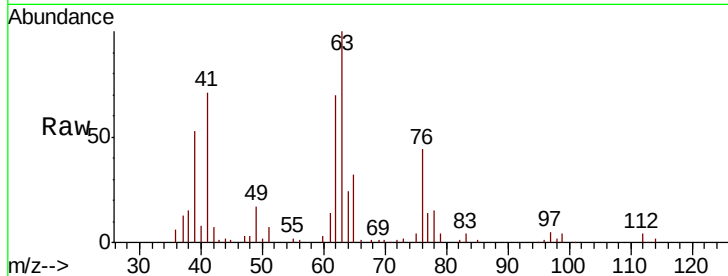




#45
 1,2-Dichloropropane
 Concen: 18.437 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

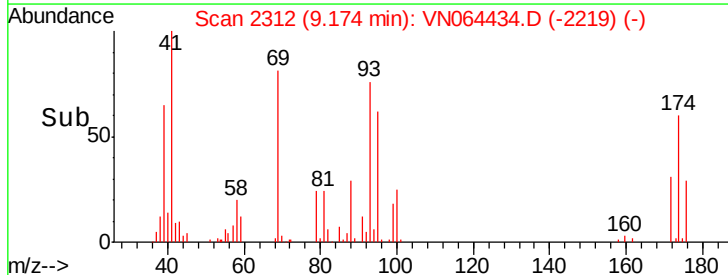
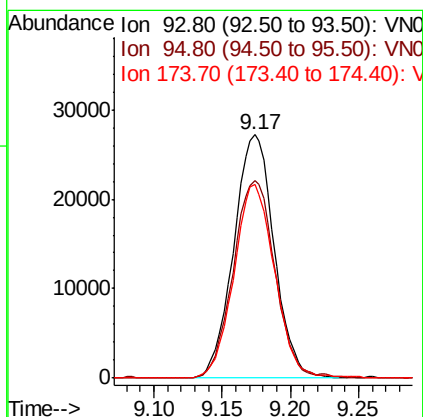
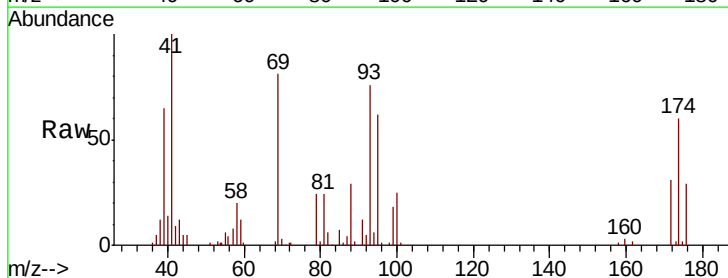
Instrument :
 MSVOA_N
 ClientSampled :

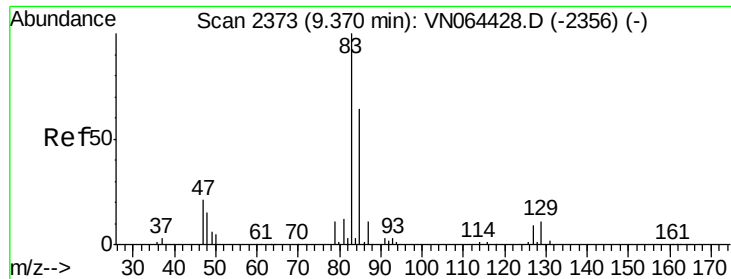
Tot Ion: 63 Resp: 85706
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.6 35.4



#46
 Dibromomethane
 Concen: 18.264 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion: 93 Resp: 55892
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 80.4 67.2 100.8





#47

Bromodichloromethane

Concen: 17.775 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

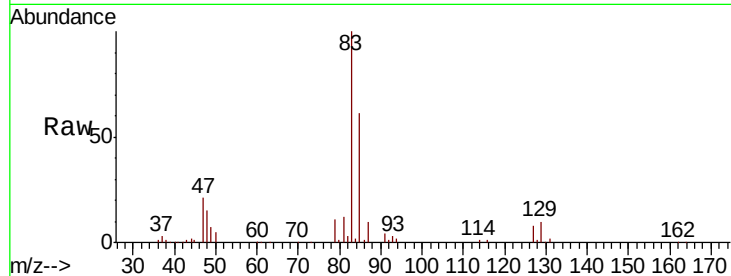
Tot Ion: 83 Resp: 116957

Ion Ratio Lower Upper

83 100

85 60.7 51.2 76.8

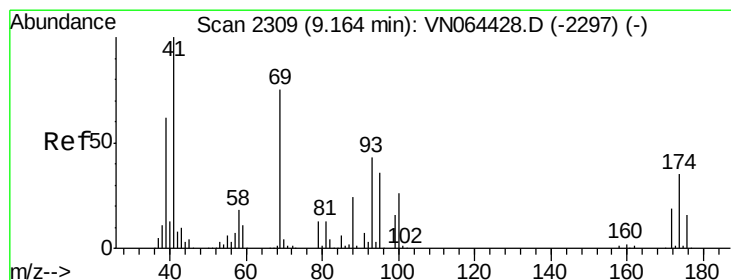
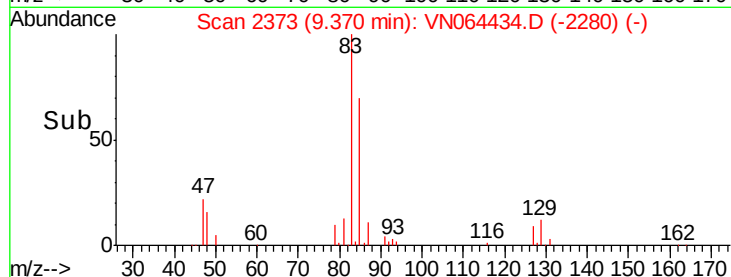
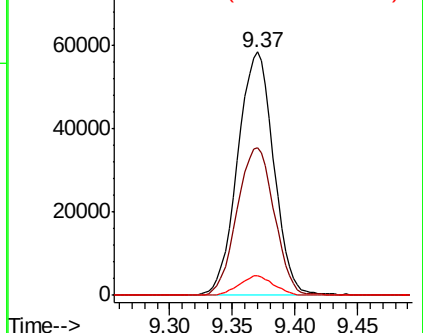
127 8.2 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064428.D (-2356) (-)



#48

Methyl methacrylate

Concen: 17.218 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

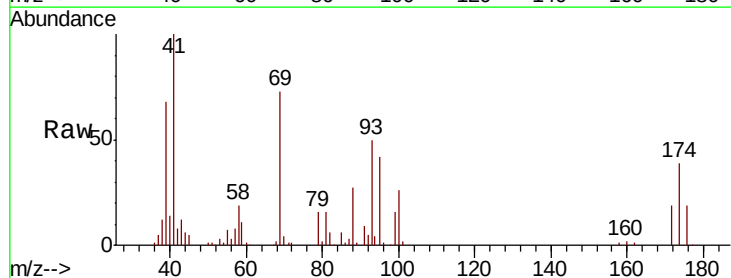
Tgt Ion: 41 Resp: 83478

Ion Ratio Lower Upper

41 100

69 77.9 60.4 90.6

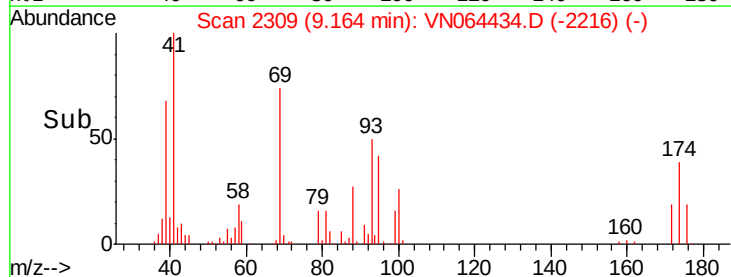
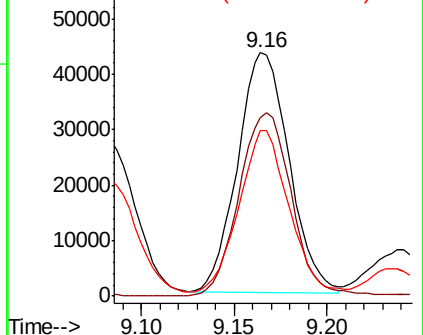
39 66.9 51.2 76.8

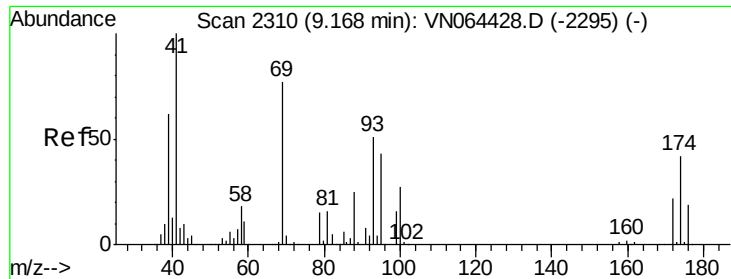


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)

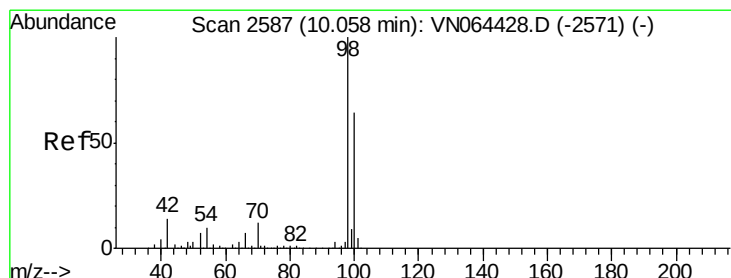
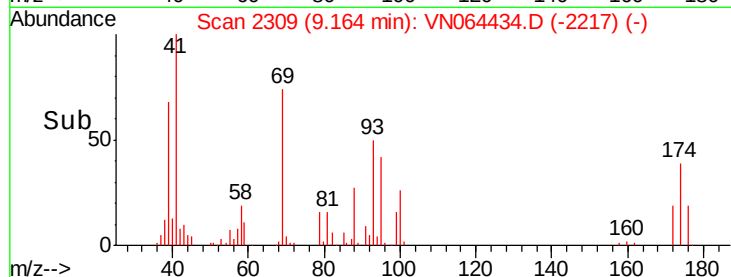
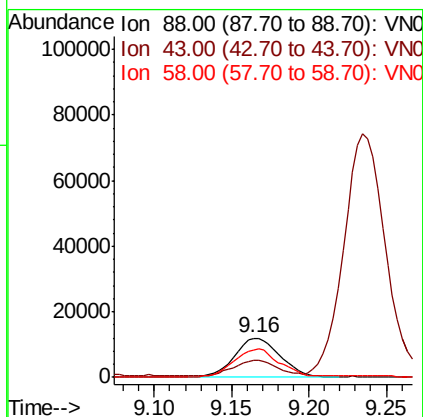
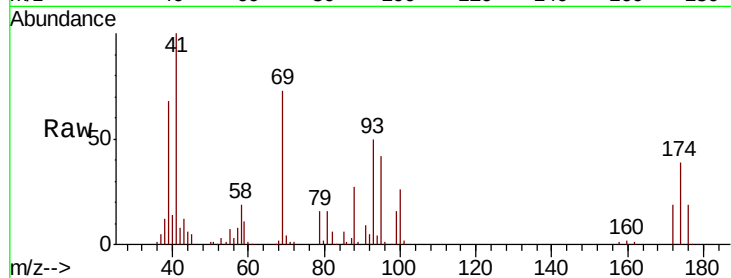




#49
1,4-Dioxane
Concen: 385.139 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

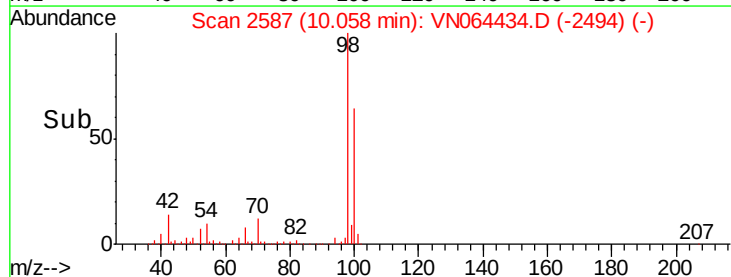
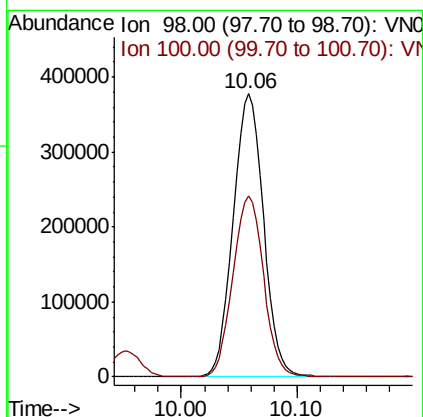
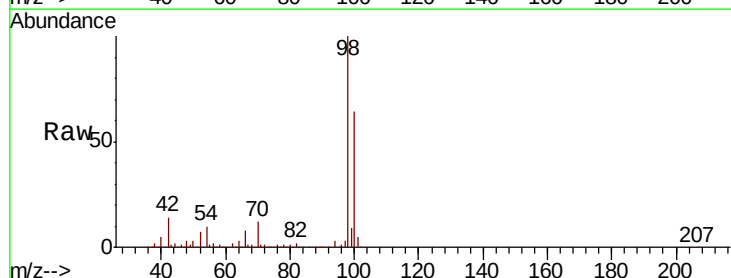
Instrument :
MSVOA_N
ClientSampleId :

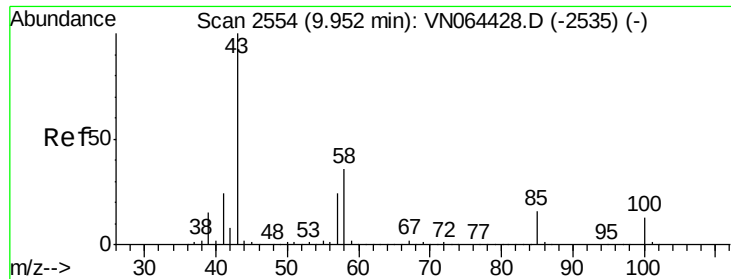
Tot Ion: 88 Resp: 24595
Ion Ratio Lower Upper
88 100
43 37.4 31.0 46.6
58 72.5 58.4 87.6



#50
Toluene-d8
Concen: 46.337 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 98 Resp: 684335
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 92.290 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

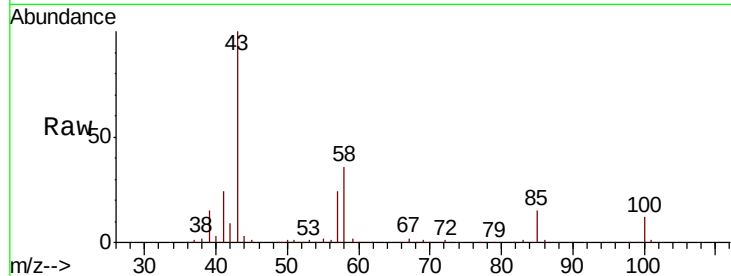
ClientSampleId :

Tot Ion: 43 Resp: 517128

Ion Ratio Lower Upper

43 100

58 36.0 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

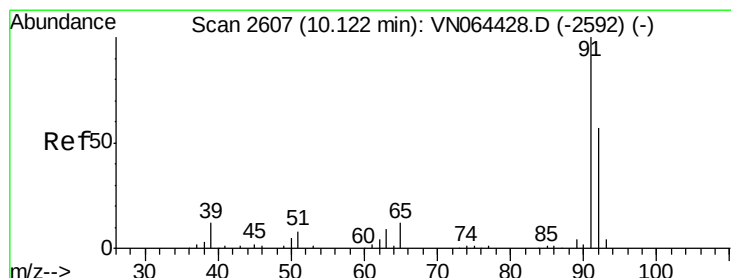
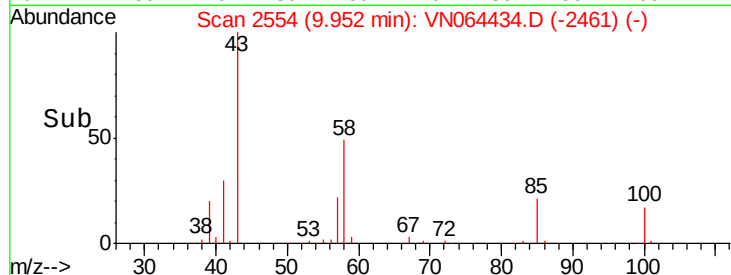
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.505 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064434.D

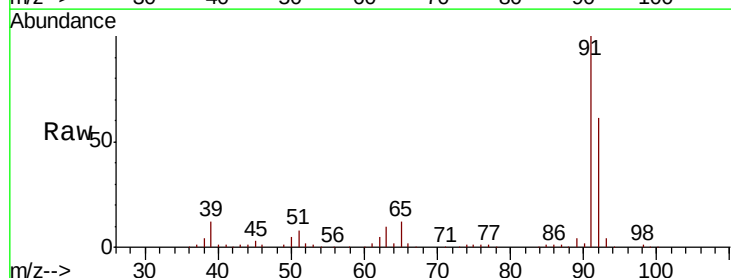
Acq: 4 Nov 2020 14:18

Tgt Ion: 92 Resp: 196639

Ion Ratio Lower Upper

92 100

91 169.1 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

200000

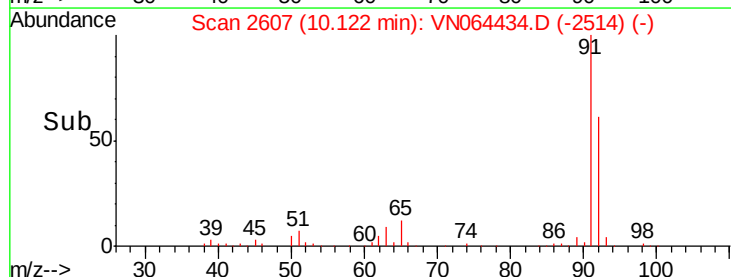
150000

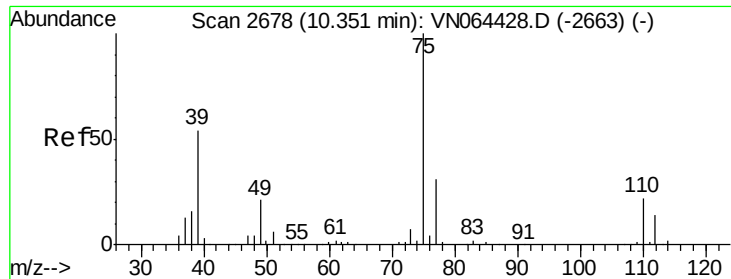
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.586 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

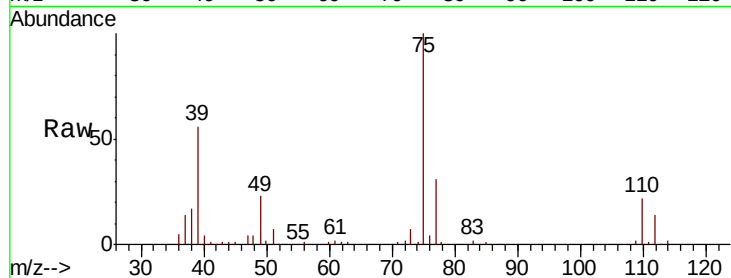
ClientSampleId :

Tot Ion: 75 Resp: 122680

Ion Ratio Lower Upper

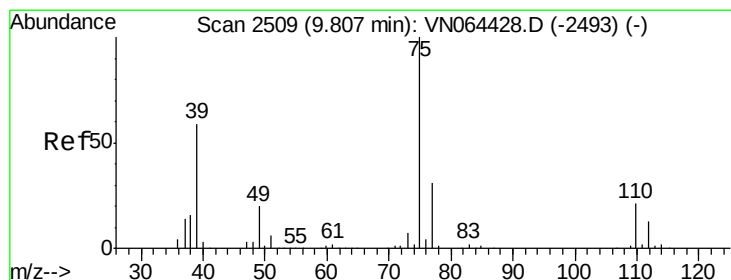
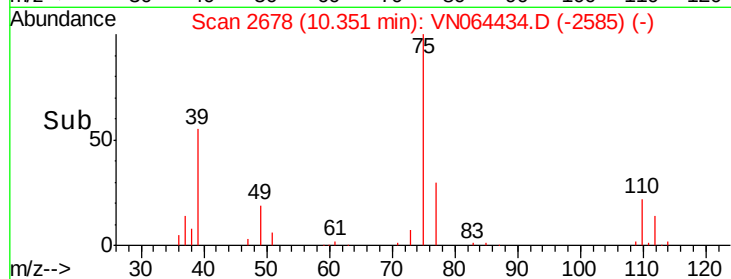
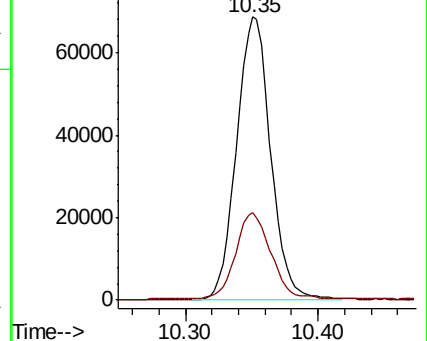
75 100

77 30.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.690 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

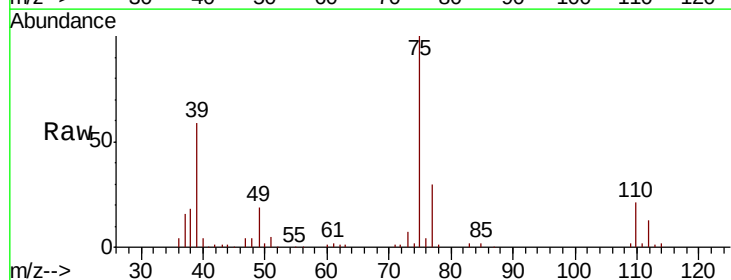
Tgt Ion: 75 Resp: 131943

Ion Ratio Lower Upper

75 100

77 30.2 24.9 37.3

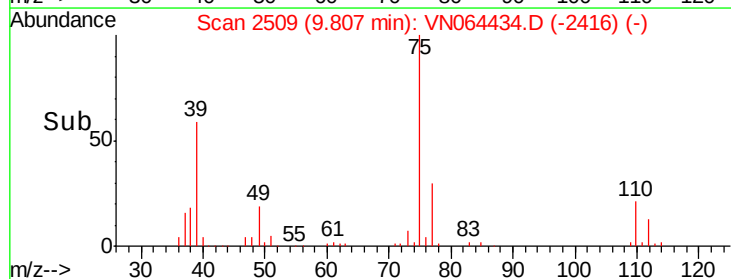
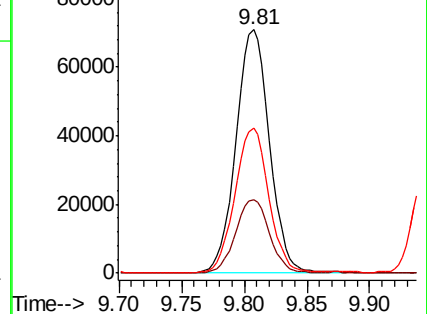
39 59.1 47.1 70.7

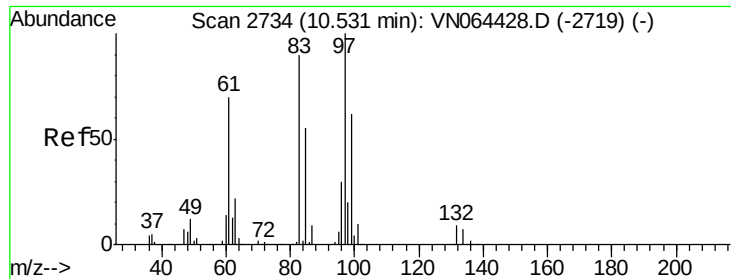


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

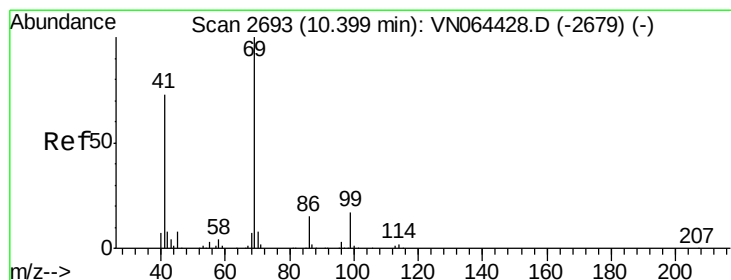
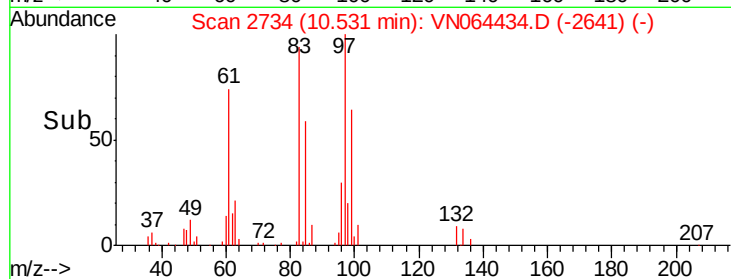
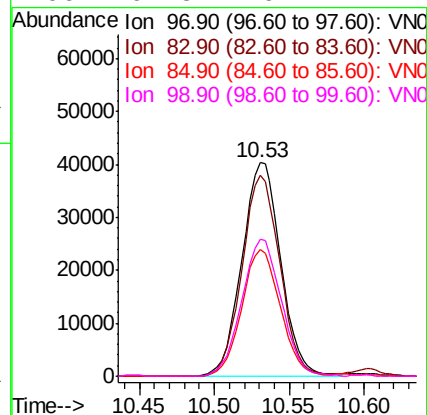
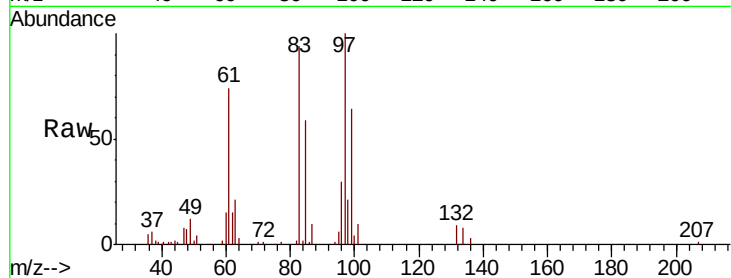




#55
 1,1,2-Trichloroethane
 Concen: 17.648 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

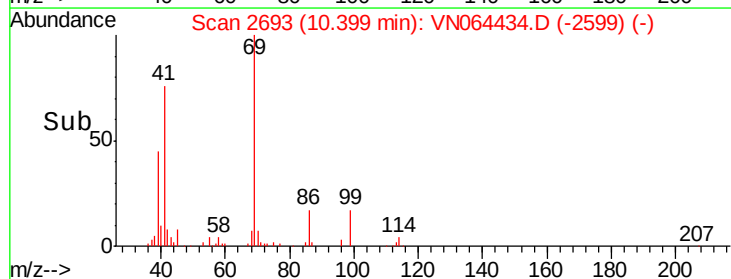
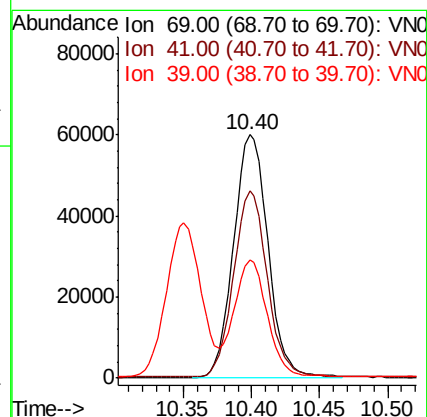
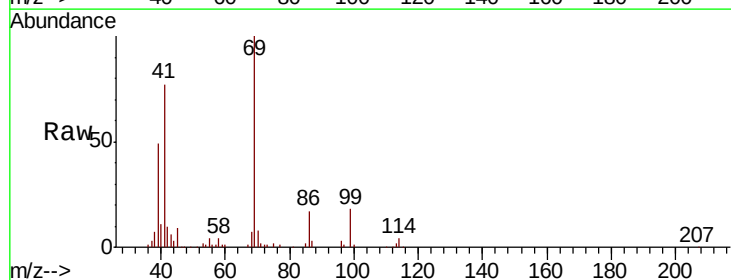
Instrument :
 MSVOA_N
 ClientSampled :

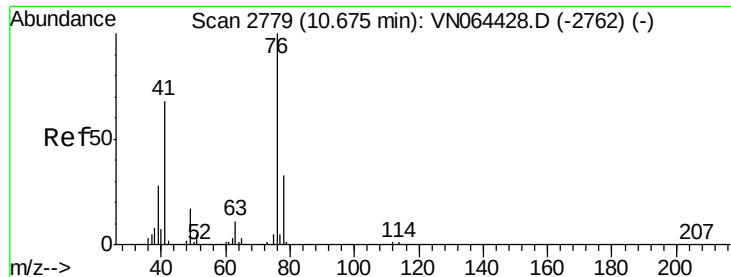
Tot Ion: 97 Resp: 73134
 Ion Ratio Lower Upper
 97 100
 83 94.1 71.7 107.5
 85 59.2 44.3 66.5
 99 64.3 49.4 74.2



#56
 Ethyl methacrylate
 Concen: 16.765 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion: 69 Resp: 105647
 Ion Ratio Lower Upper
 69 100
 41 74.4 59.3 88.9
 39 46.7 35.4 53.0





#57

1,3-Dichloropropane

Concen: 18.039 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

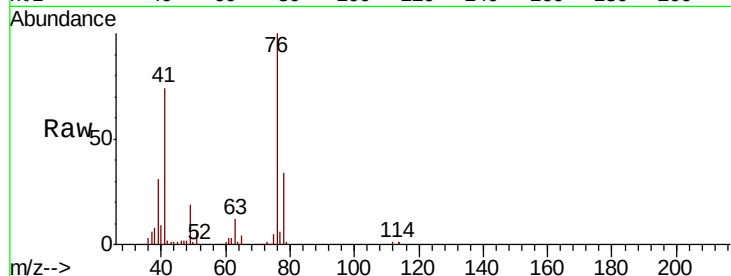
ClientSampleId :

Tot Ion: 76 Resp: 130482

Ion Ratio Lower Upper

76 100

78 33.4 25.8 38.6

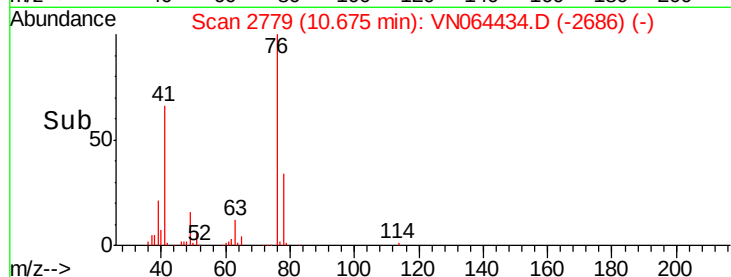


Abundance Ion 75.90 (75.60 to 76.60): VN064428.D (-2762) (-)

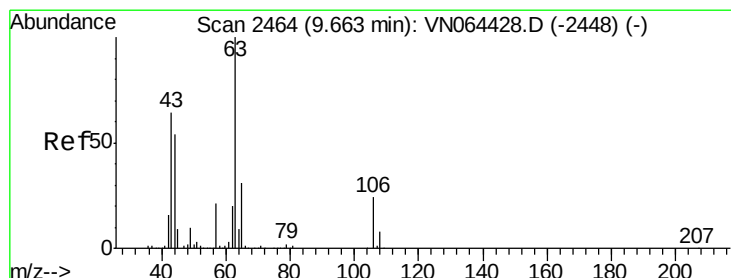
Ion 77.90 (77.60 to 78.60): VN064428.D (-2762) (-)

10.68

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.259 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064434.D

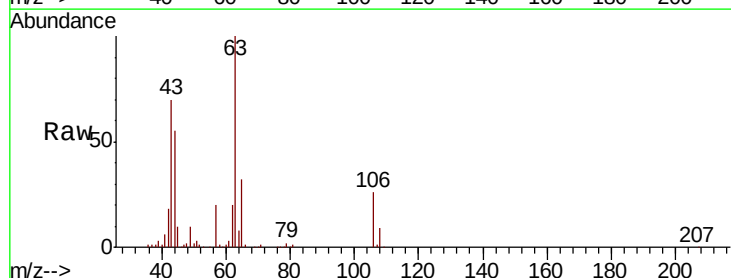
Acq: 4 Nov 2020 14:18

Tgt Ion: 63 Resp: 284580

Ion Ratio Lower Upper

63 100

106 25.3 19.5 29.3

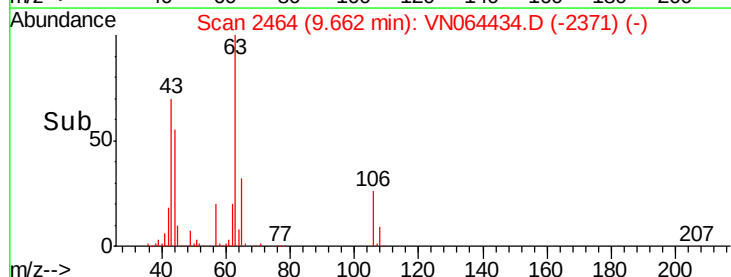


Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2448) (-)

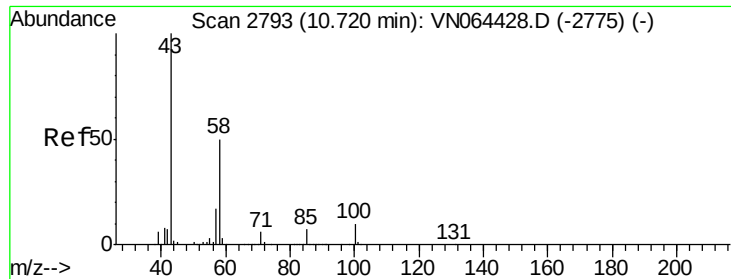
Ion 105.90 (105.60 to 106.60): VN064428.D (-2448) (-)

9.66

Time-->



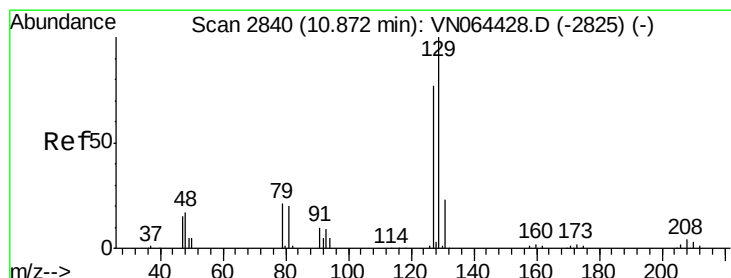
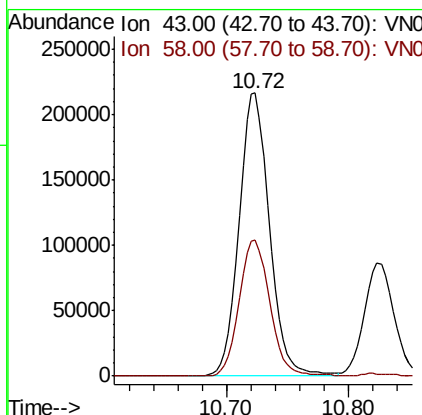
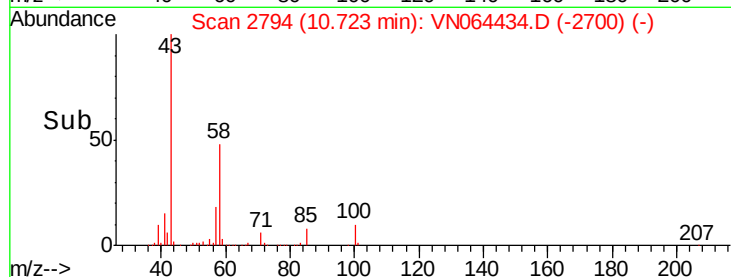
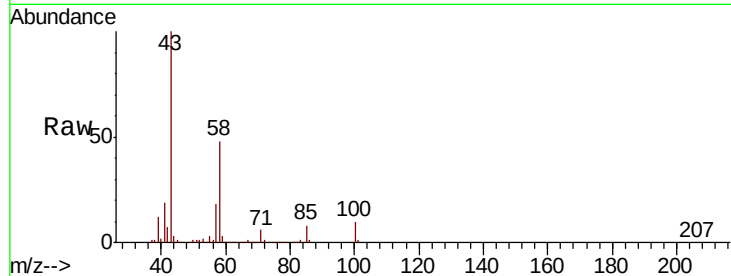
Time-->



#59
2-Hexanone
Concen: 83.720 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

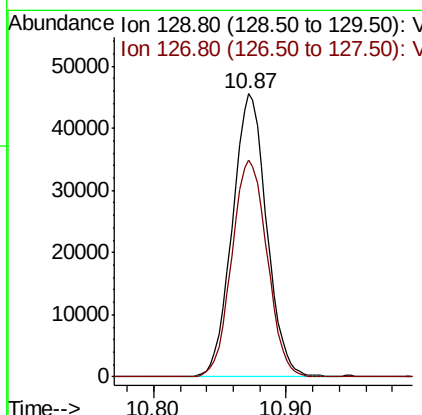
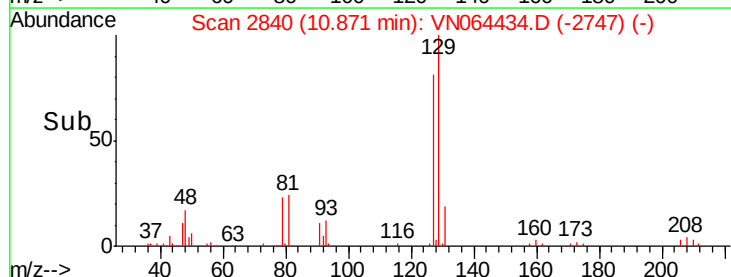
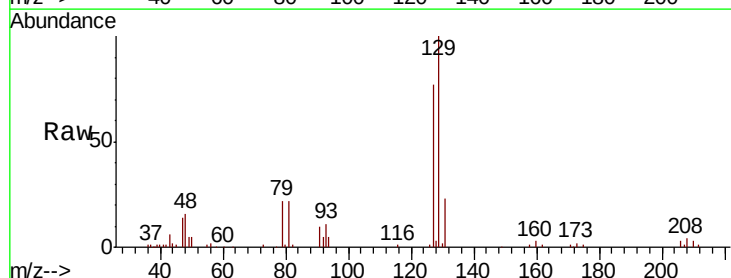
Instrument :
MSVOA_N
ClientSampled :

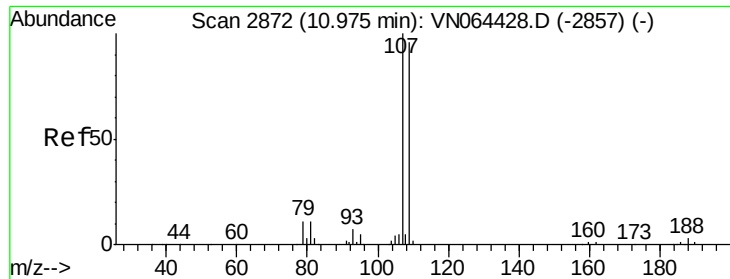
Tot Ion: 43 Resp: 370088
Ion Ratio Lower Upper
43 100
58 48.9 24.7 74.1



#60
Dibromochloromethane
Concen: 17.619 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 129 Resp: 81750
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.7

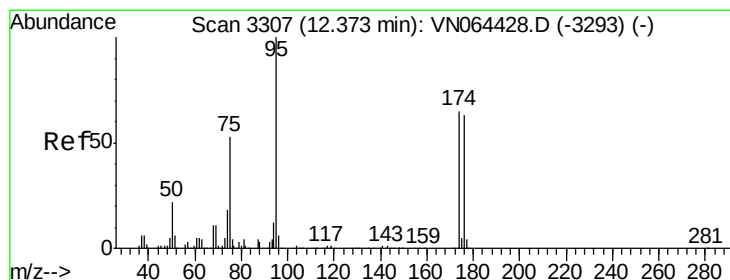
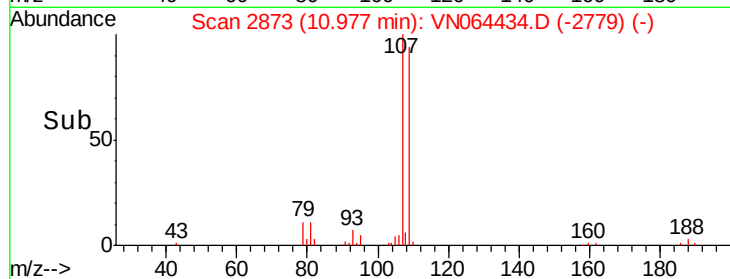
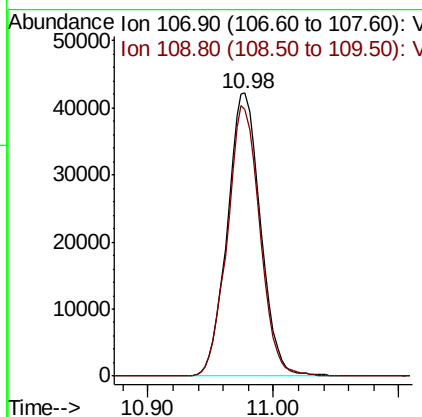
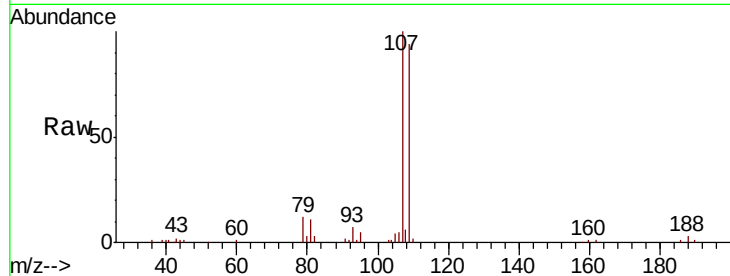




#61
 1,2-Dibromoethane
 Concen: 18.422 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

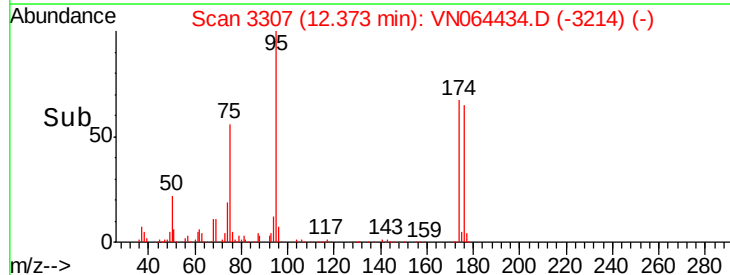
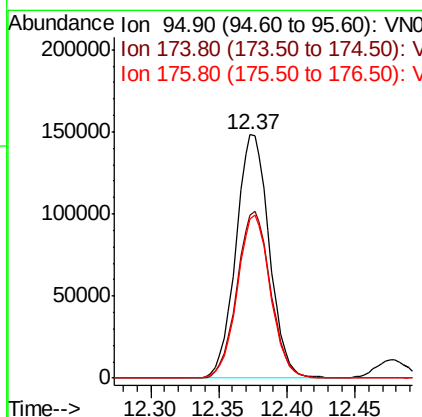
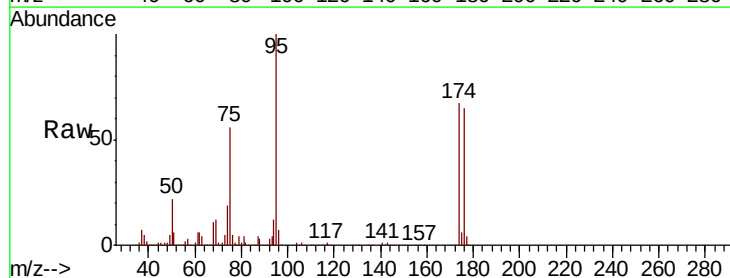
Instrument :
 MSVOA_N
 ClientSampled :

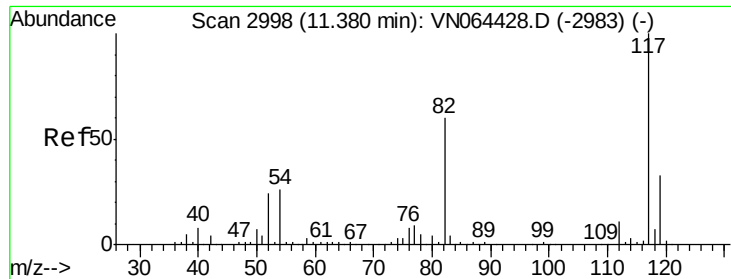
Tot Ion: 107 Resp: 77437
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.022 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion: 95 Resp: 251462
 Ion Ratio Lower Upper
 95 100
 174 68.6 0.0 132.6
 176 66.4 0.0 129.2

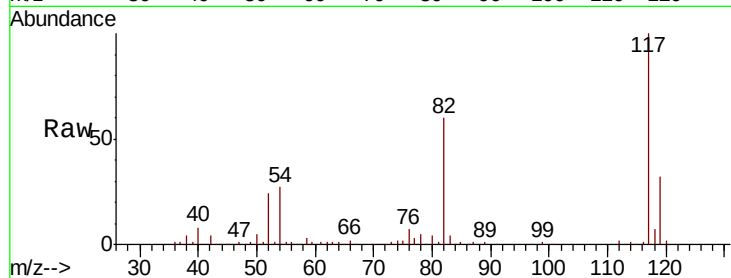




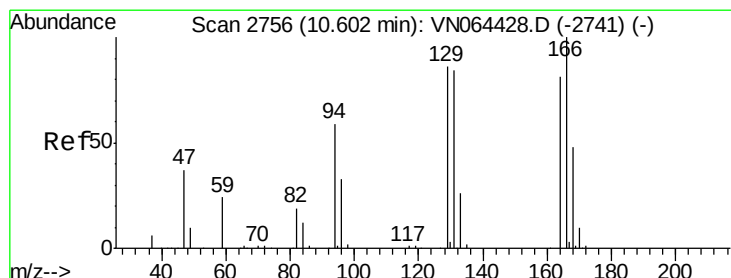
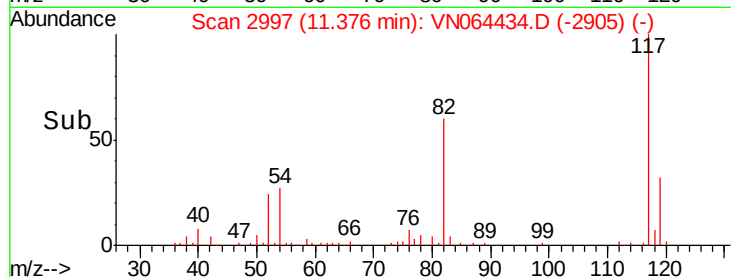
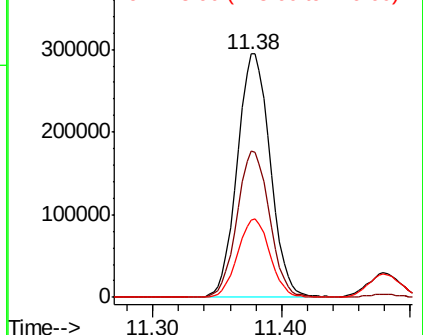
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 524939
Ion Ratio Lower Upper
117 100
82 60.3 48.1 72.1
119 31.7 26.2 39.4

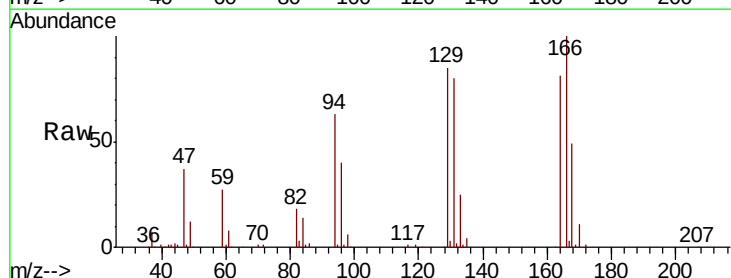


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

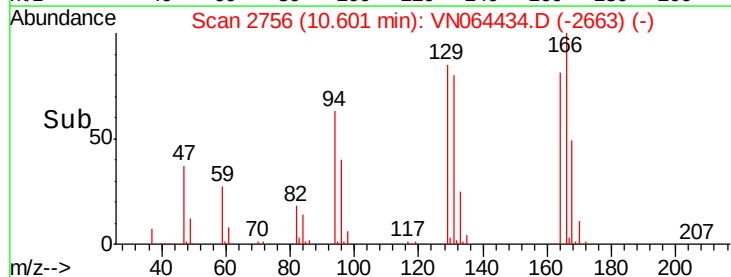
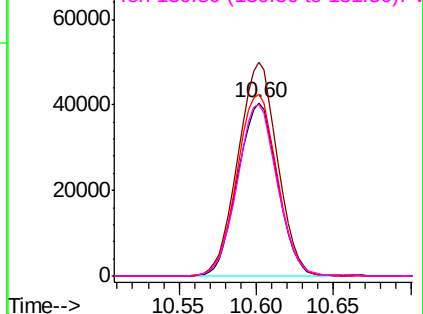


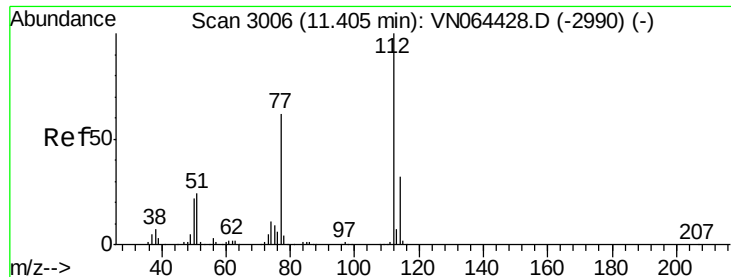
#64
Tetrachloroethene
Concen: 17.848 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion:164 Resp: 72171
Ion Ratio Lower Upper
164 100
166 123.5 98.2 147.2
129 104.8 84.6 127.0
131 99.1 82.2 123.2



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

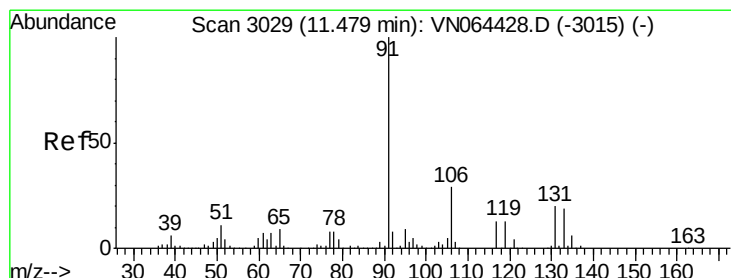
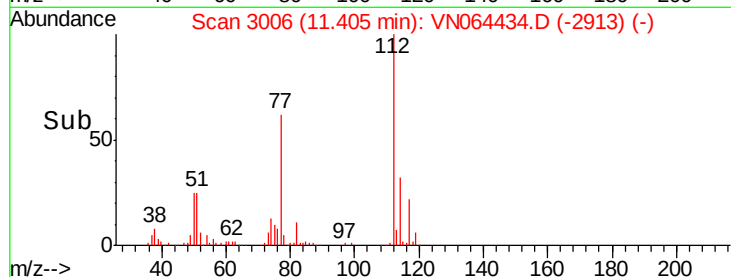
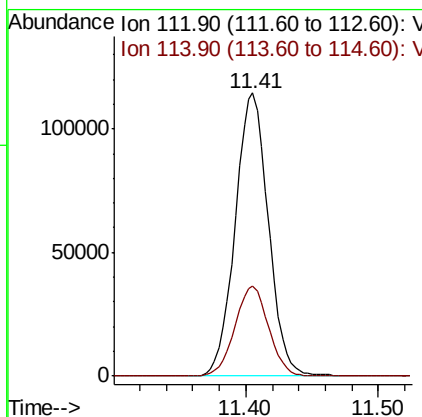
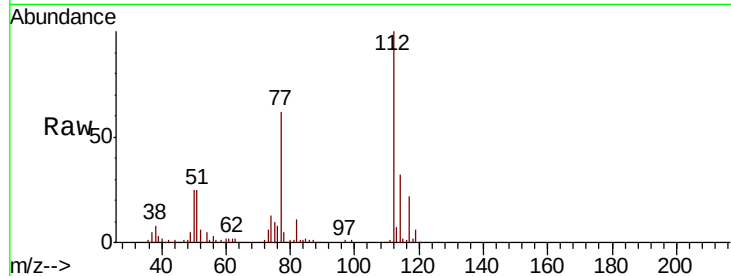




#65
Chlorobenzene
Concen: 17.254 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

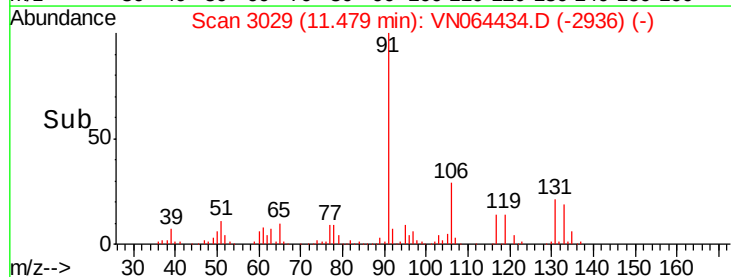
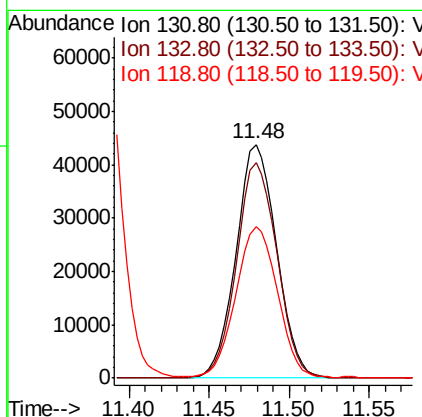
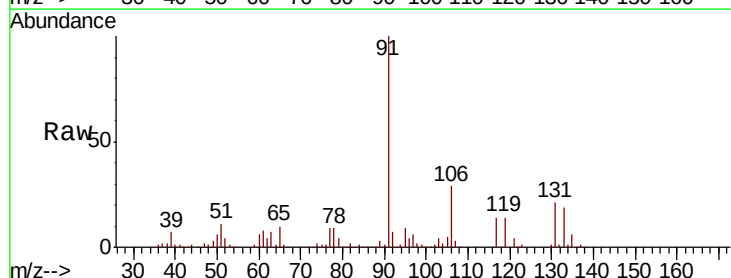
Instrument :
MSVOA_N
ClientSampleId :

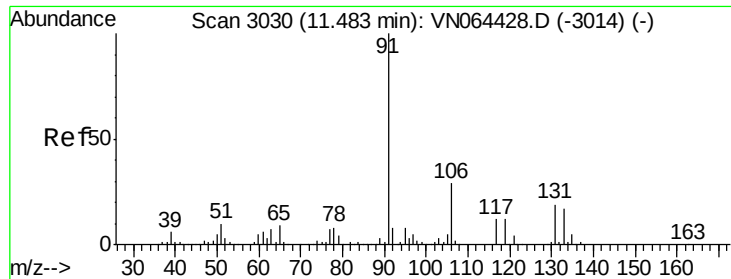
Tot Ion:112 Resp: 198555
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 17.596 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion:131 Resp: 75541
Ion Ratio Lower Upper
131 100
133 92.4 46.9 140.7
119 66.3 32.1 96.5

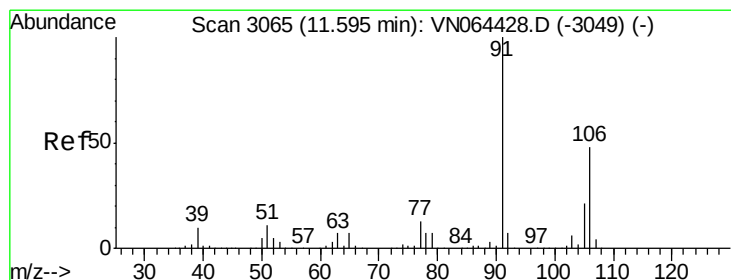
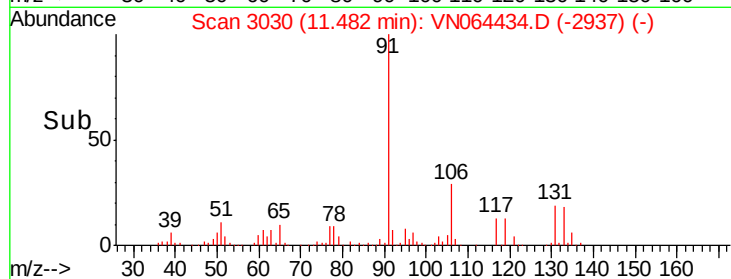
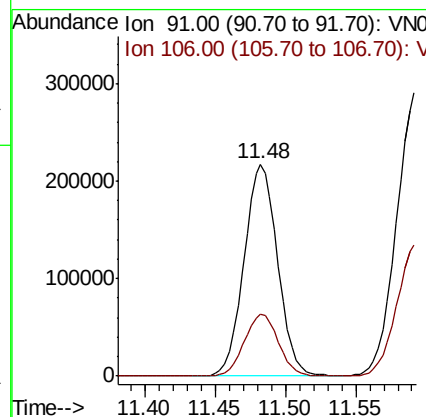
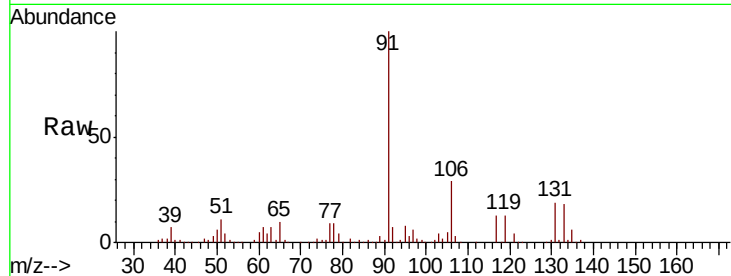




#67
Ethyl Benzene
Concen: 17.698 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

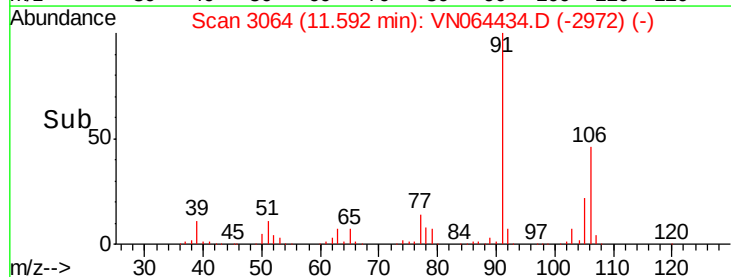
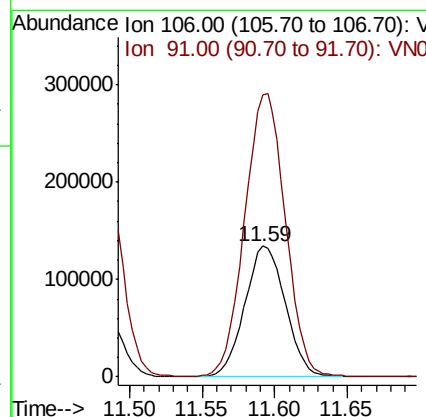
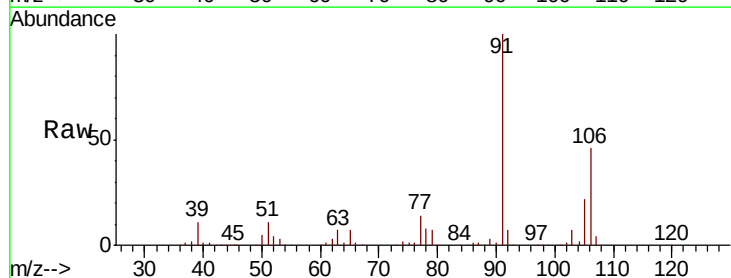
Instrument :
MSVOA_N
ClientSampled :

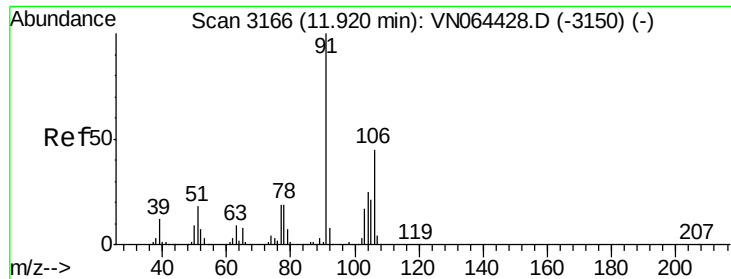
Tot Ion: 91 Resp: 362272
Ion Ratio Lower Upper
91 100
106 29.0 23.6 35.4



#68
m/p-Xylenes
Concen: 35.063 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion: 106 Resp: 260291
Ion Ratio Lower Upper
106 100
91 217.2 169.4 254.2

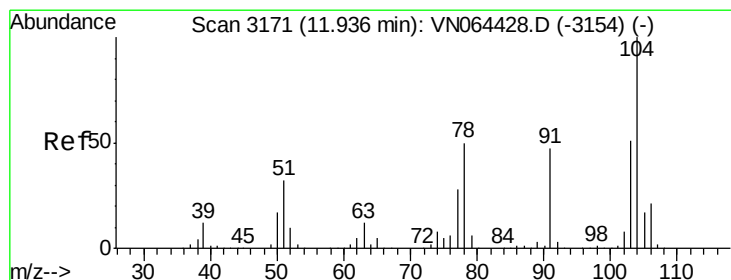
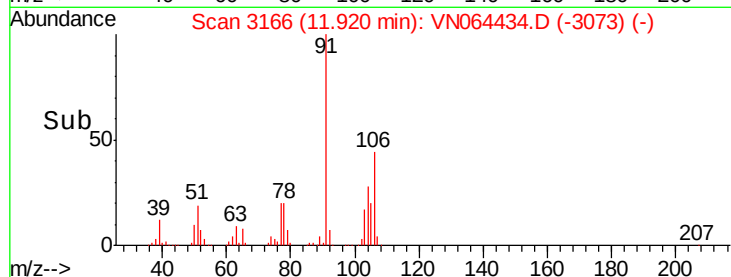
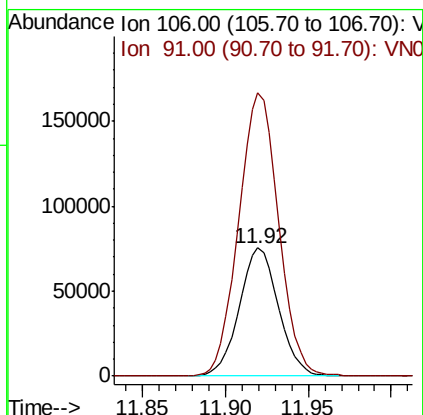
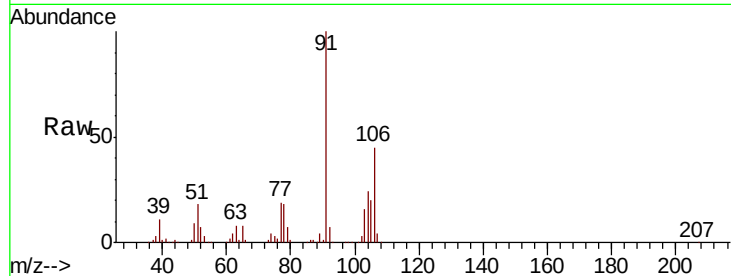




#69
o-Xylene
Concen: 17.353 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

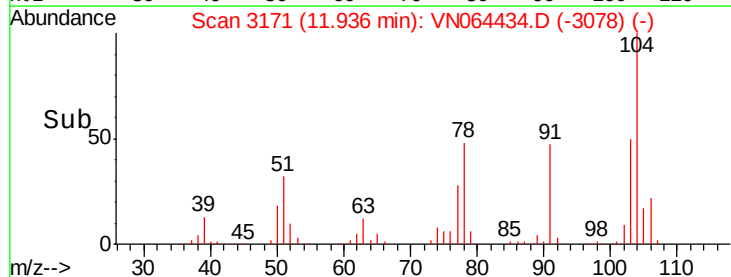
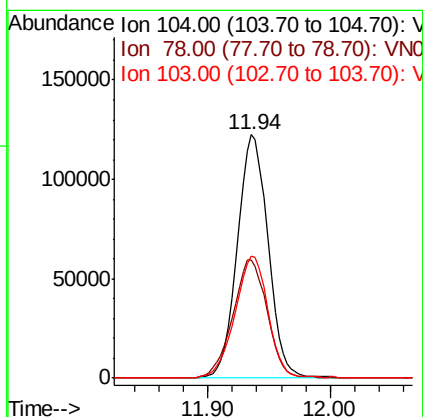
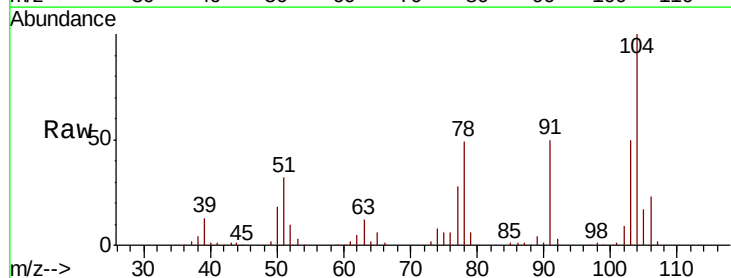
Instrument :
MSVOA_N
ClientSampled :

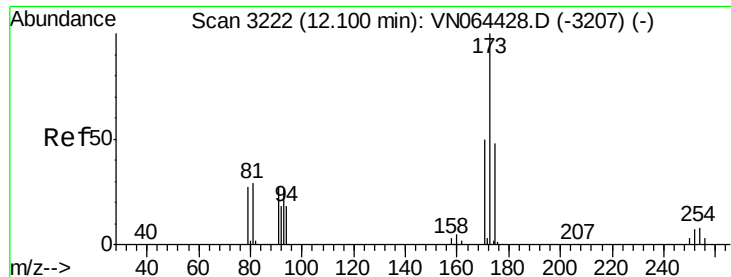
Tot Ion:106 Resp: 124479
Ion Ratio Lower Upper
106 100
91 224.3 111.7 334.9



#70
Styrene
Concen: 17.683 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion:104 Resp: 213444
Ion Ratio Lower Upper
104 100
78 54.5 44.0 66.0
103 54.0 43.8 65.6





#71

Bromoform

Concen: 16.402 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

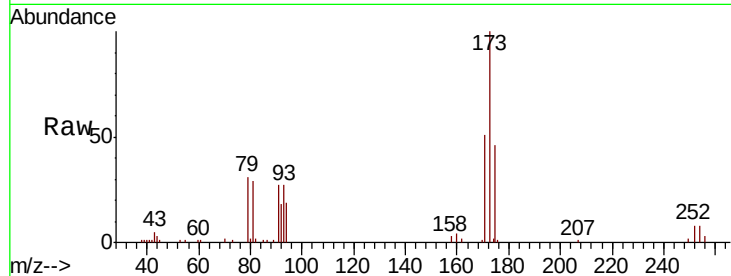
Tot Ion:173 Resp: 50037

Ion Ratio Lower Upper

173 100

175 49.3 23.7 71.1

254 0.0 0.0 0.0

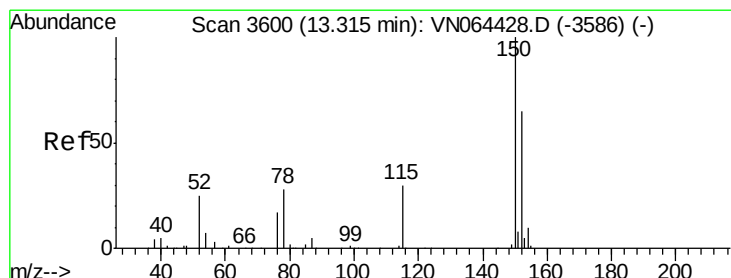
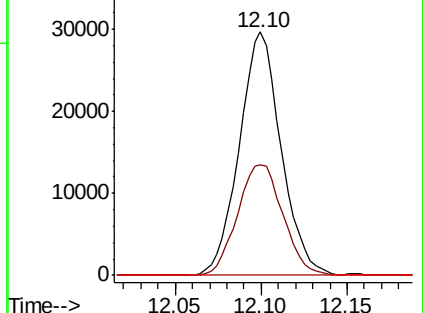
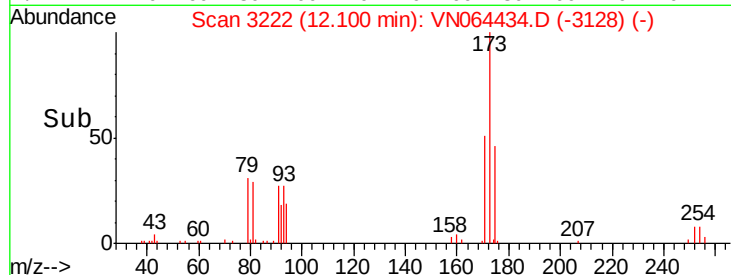


Abundance

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: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

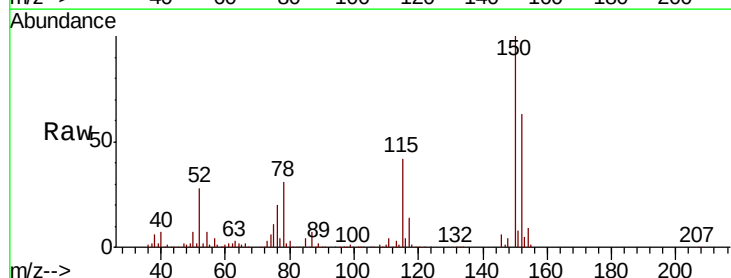
Tgt Ion:152 Resp: 224281

Ion Ratio Lower Upper

152 100

115 65.4 32.0 96.0

150 165.0 0.0 353.8

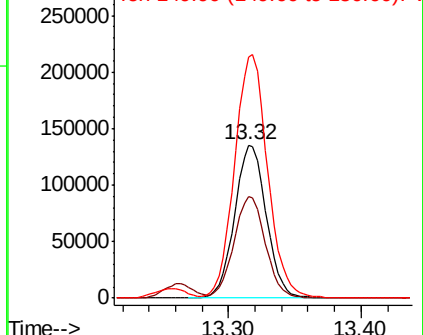
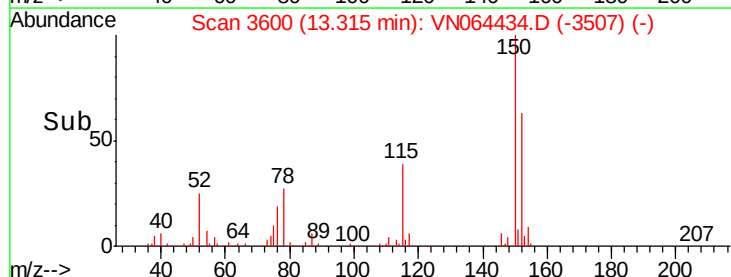


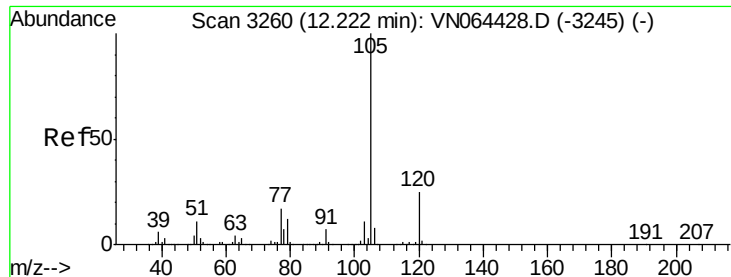
Abundance

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: 18.284 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

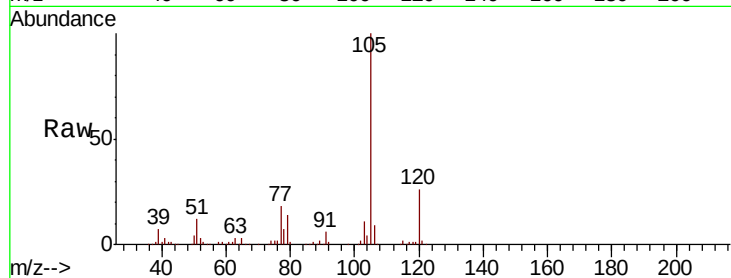
ClientSampleId :

Tot Ion:105 Resp: 325949

Ion Ratio Lower Upper

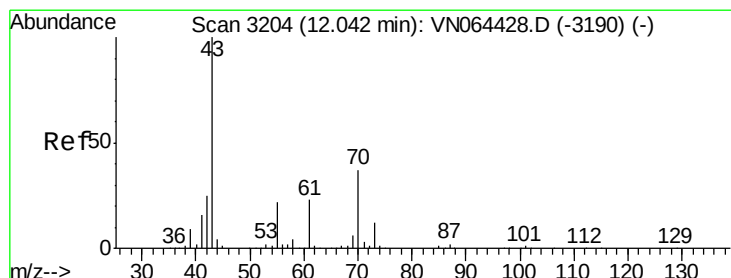
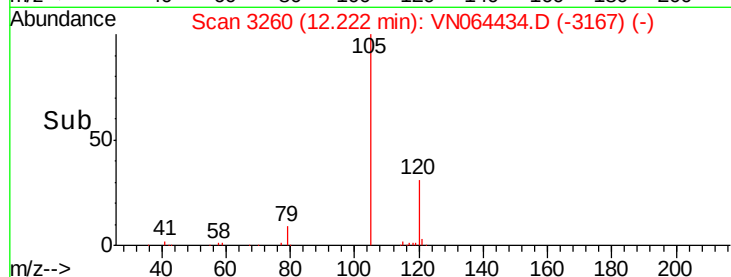
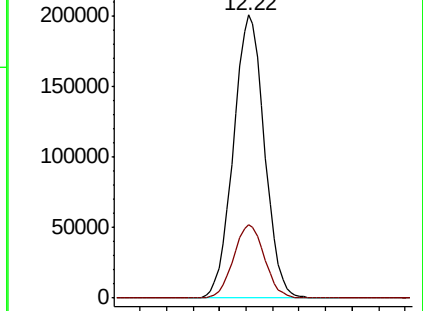
105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.291 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Tgt Ion: 43 Resp: 142455

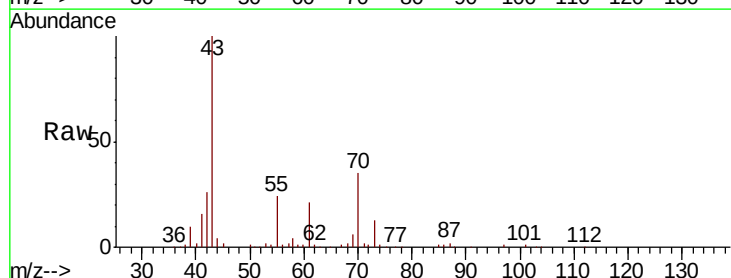
Ion Ratio Lower Upper

43 100

70 36.8 29.6 44.4

55 23.6 18.4 27.6

61 22.3 17.8 26.6

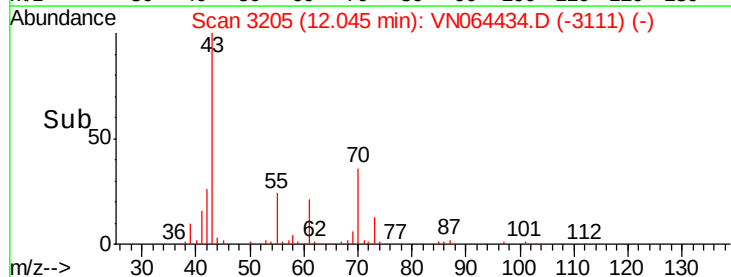
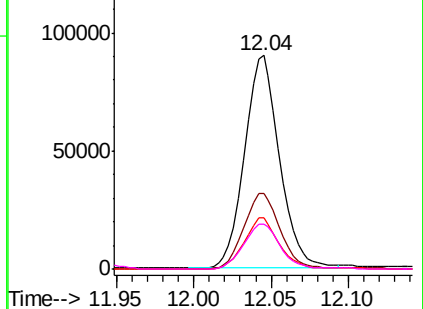


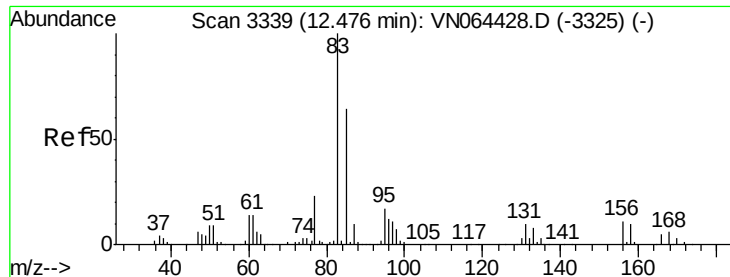
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.429 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

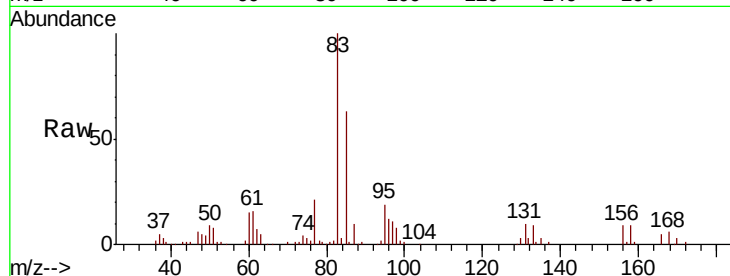
Tot Ion: 83 Resp: 100910

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	62.9	32.1	96.5

83 100

131 9.8 4.9 14.7

85 62.9 32.1 96.5

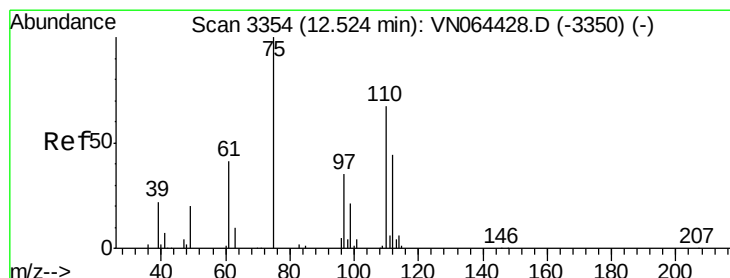
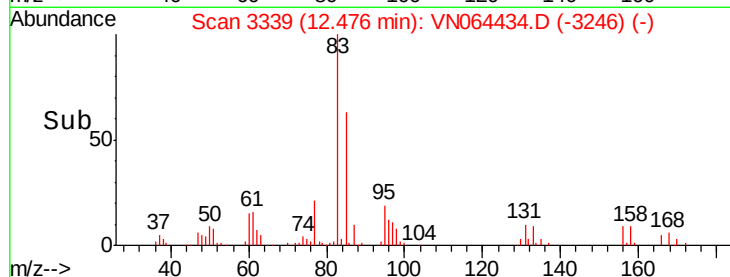
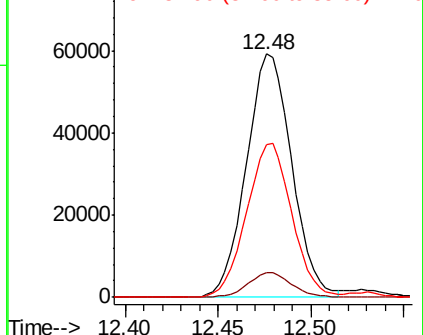


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.991 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064434.D

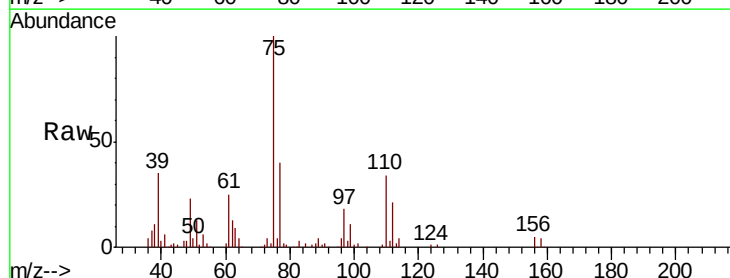
Acq: 4 Nov 2020 14:18

Tgt Ion: 75 Resp: 141241

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

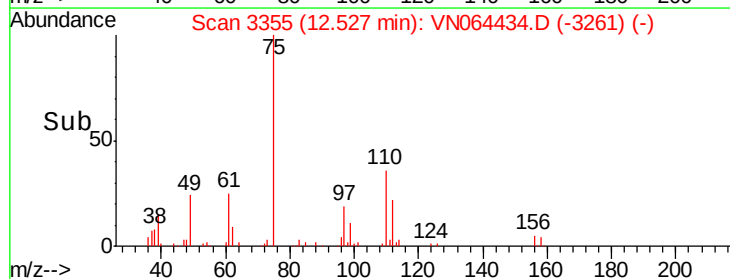
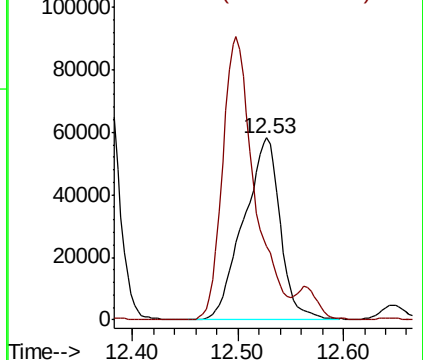
77 0.0 0.0 0.0

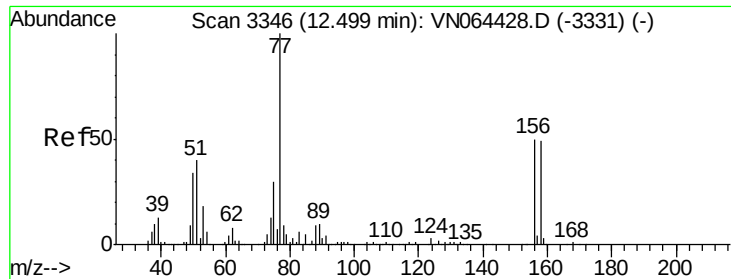


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.345 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampled :

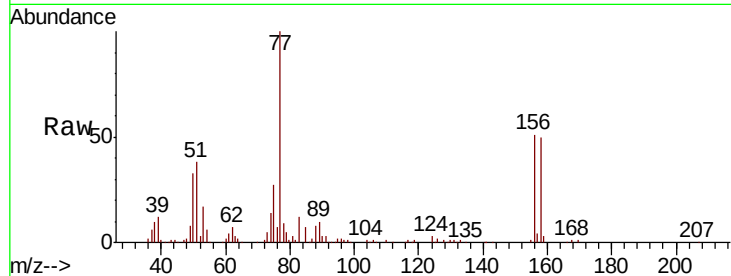
Tot Ion:156 Resp: 79842

Ion Ratio Lower Upper

156 100

77 238.1 119.0 357.0

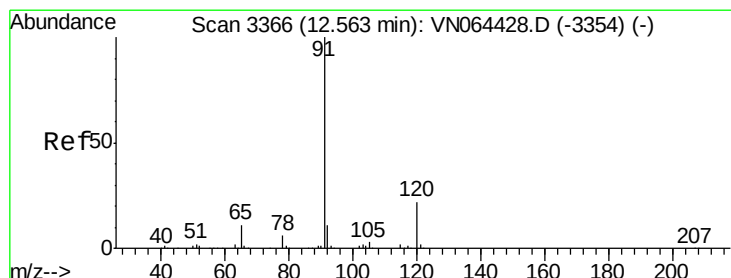
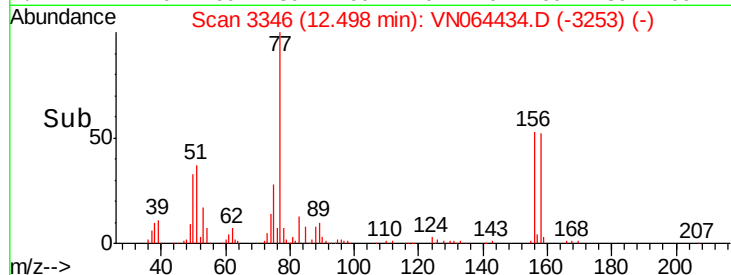
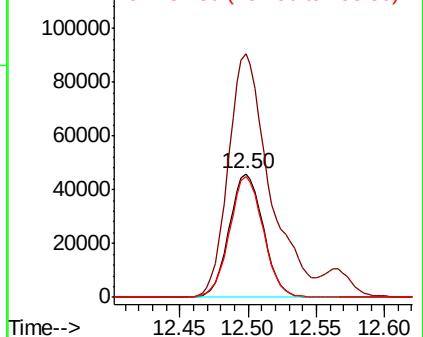
158 96.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.500 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064434.D

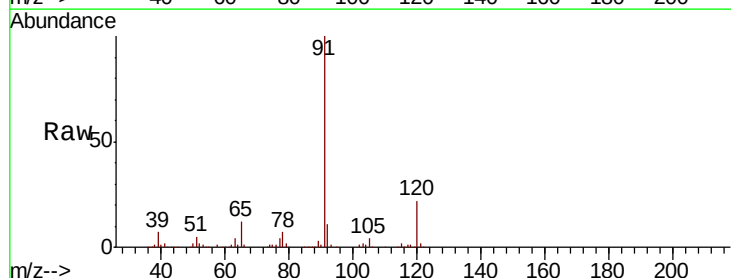
Acq: 4 Nov 2020 14:18

Tgt Ion: 91 Resp: 375981

Ion Ratio Lower Upper

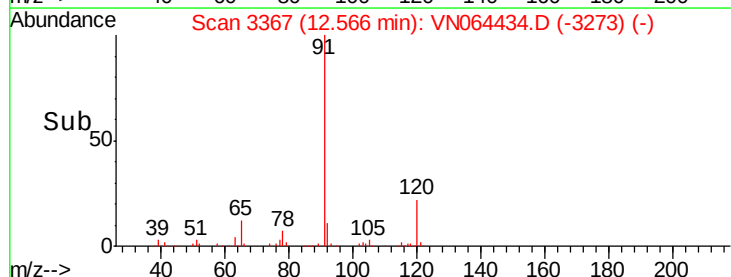
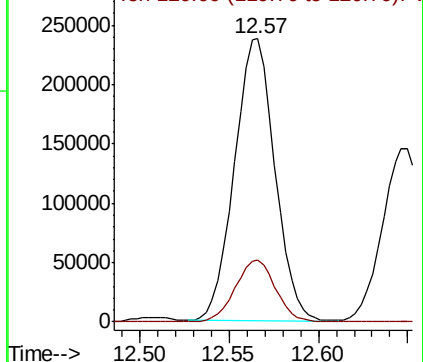
91 100

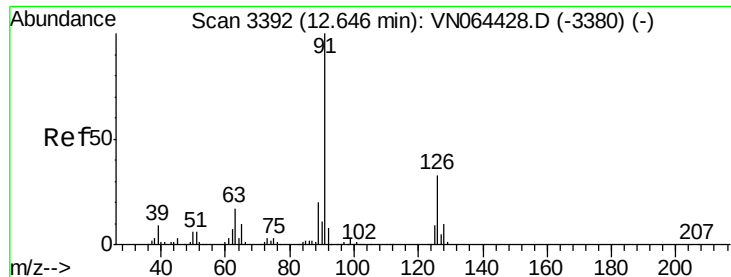
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.602 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

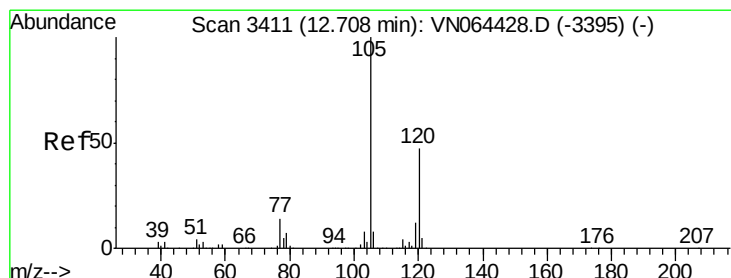
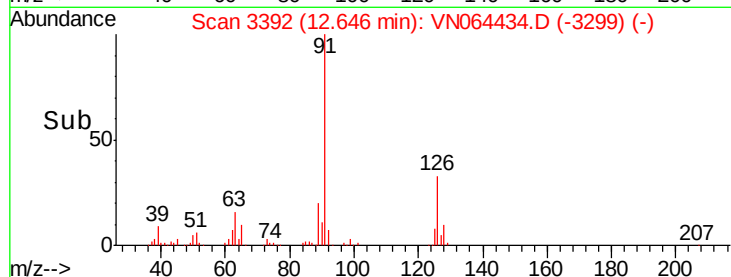
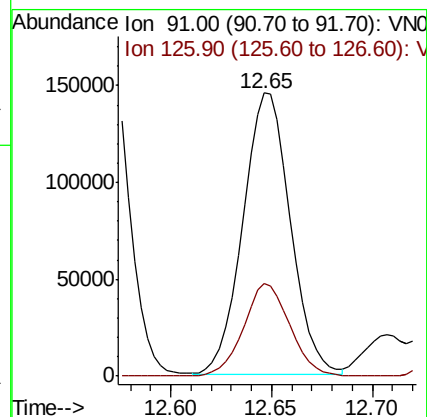
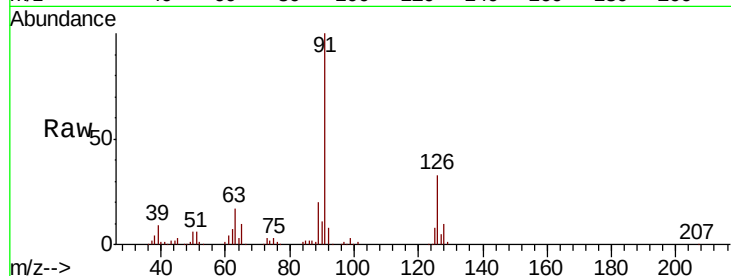
ClientSampleId :

Tot Ion: 91 Resp: 239778

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 18.243 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064434.D

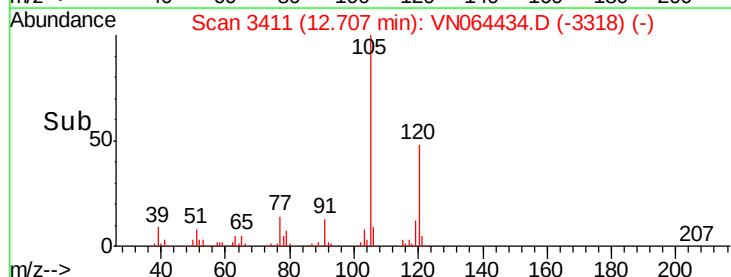
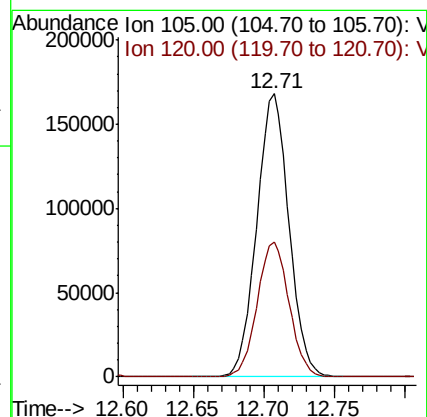
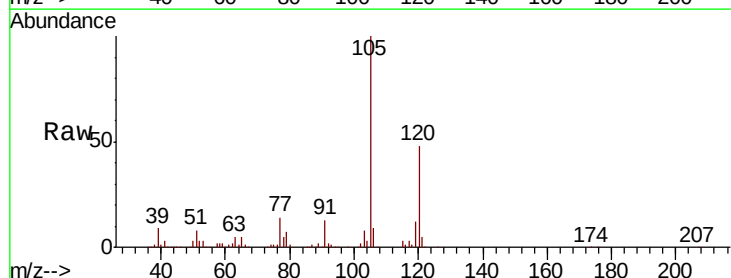
Acq: 4 Nov 2020 14:18

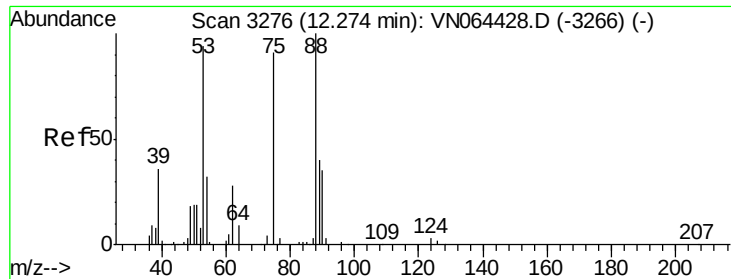
Tgt Ion: 105 Resp: 268282

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.254 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampled :

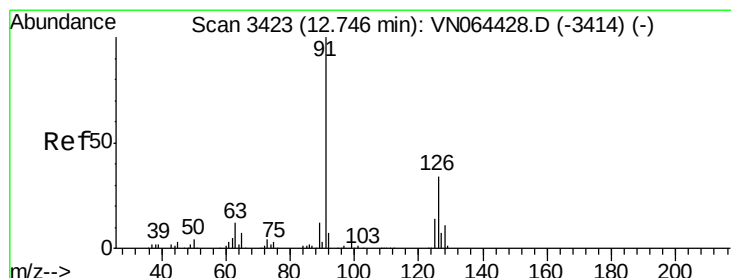
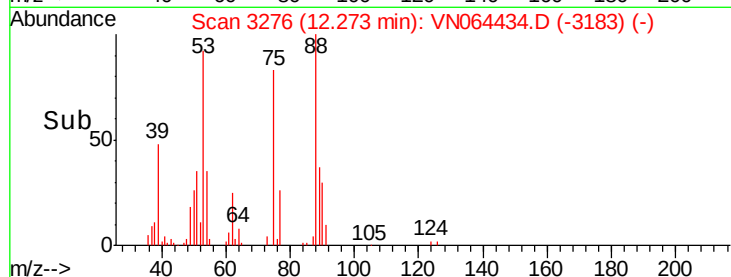
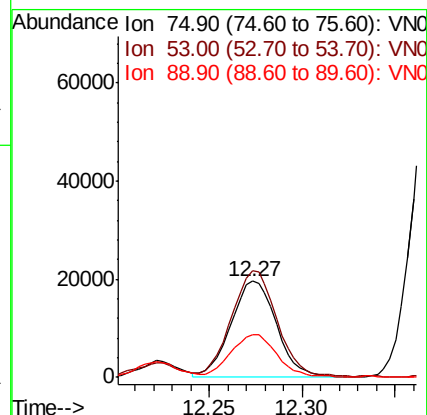
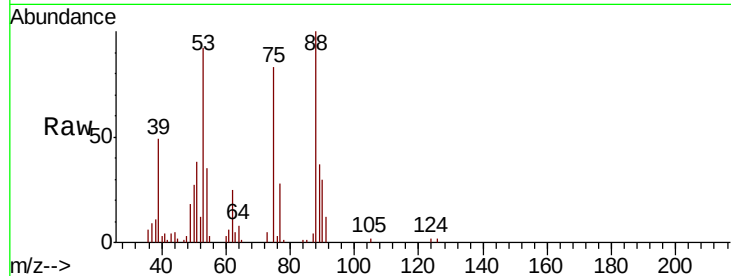
Tot Ion: 75 Resp: 33581

Ion Ratio Lower Upper

75 100

53 109.2 84.0 126.0

89 45.2 36.3 54.5



#82

4-Chlorotoluene

Concen: 18.456 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064434.D

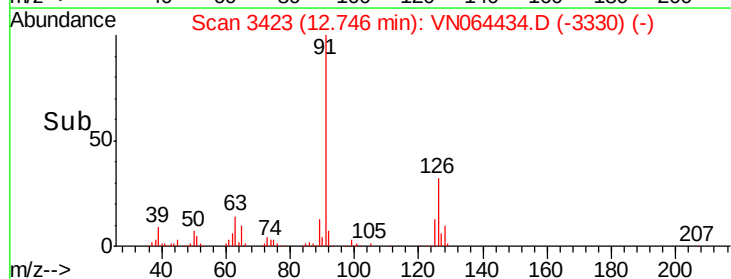
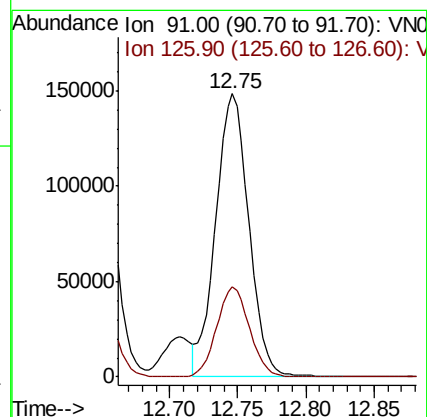
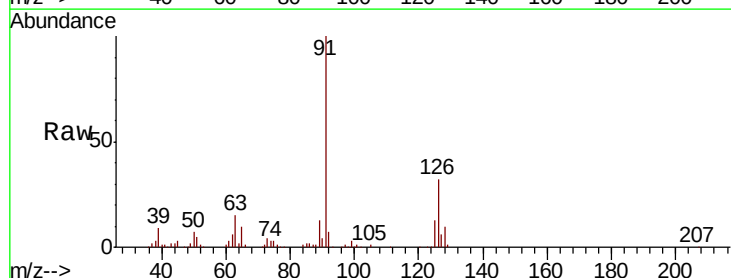
Acq: 4 Nov 2020 14:18

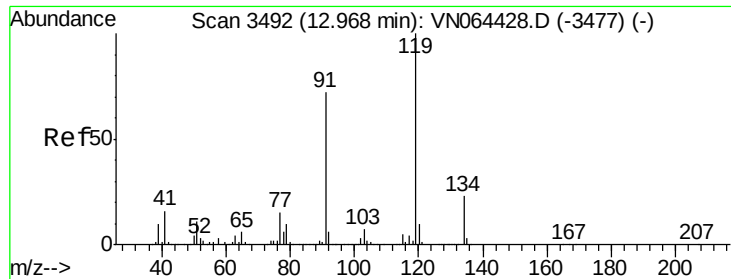
Tgt Ion: 91 Resp: 249140

Ion Ratio Lower Upper

91 100

126 31.7 15.4 46.2

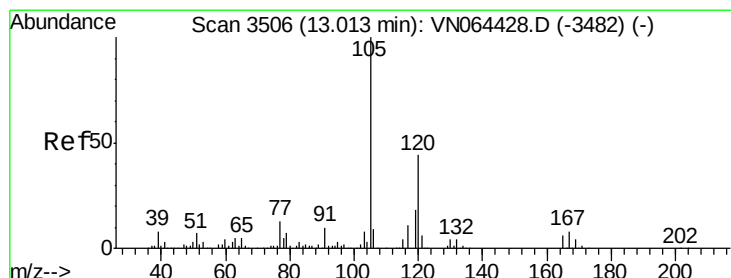
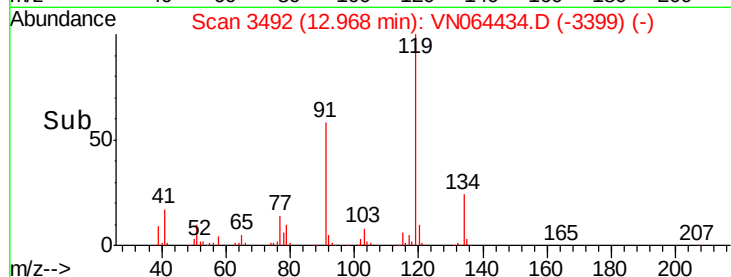
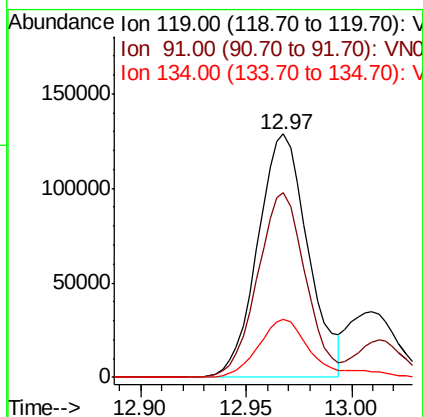
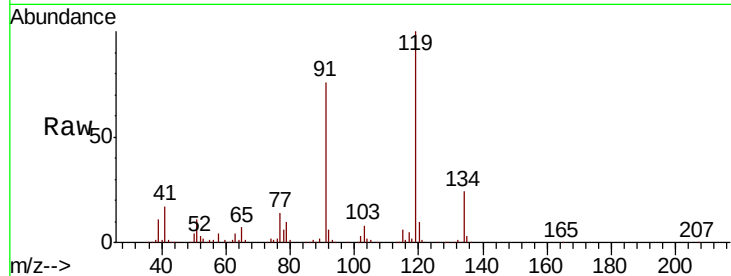




#83
 tert-Butylbenzene
 Concen: 18.606 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

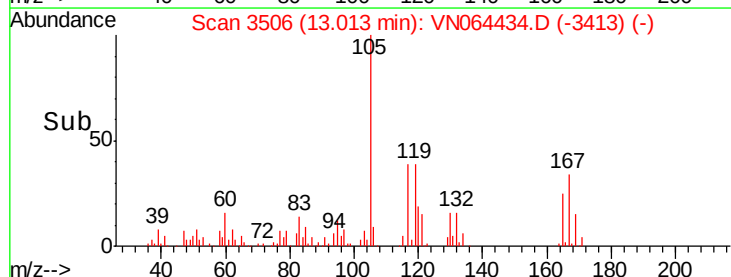
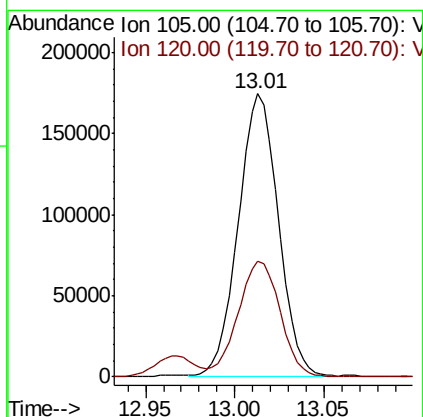
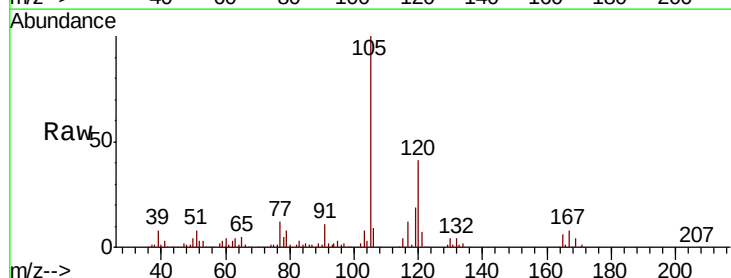
Instrument :
 MSVOA_N
 ClientSampled :

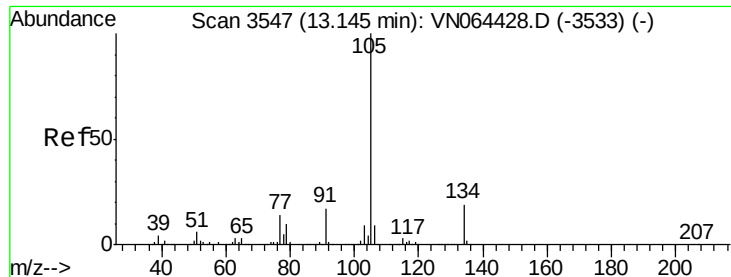
Tot Ion:119 Resp: 213703
 Ion Ratio Lower Upper
 119 100
 91 72.3 36.1 108.3
 134 25.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.329 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion:105 Resp: 270969
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 18.815 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

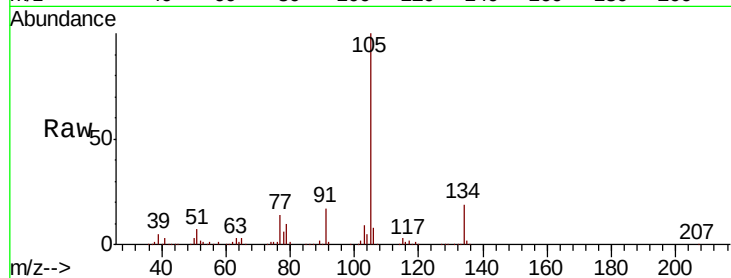
ClientSampleId :

Tot Ion:105 Resp: 273695

Ion Ratio Lower Upper

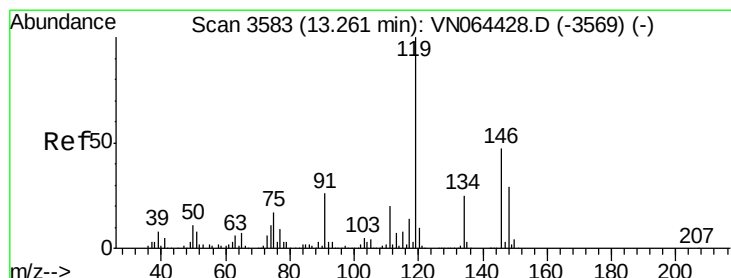
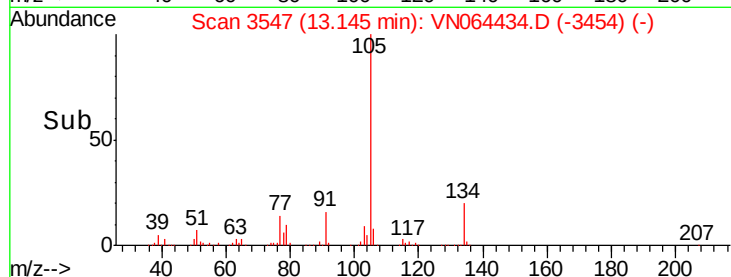
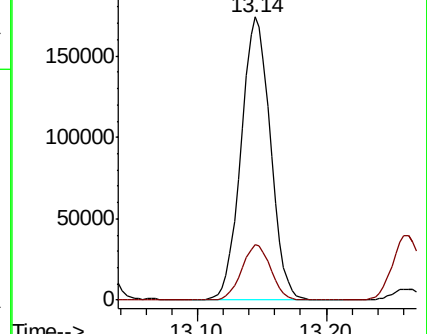
105 100

134 19.5 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.489 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

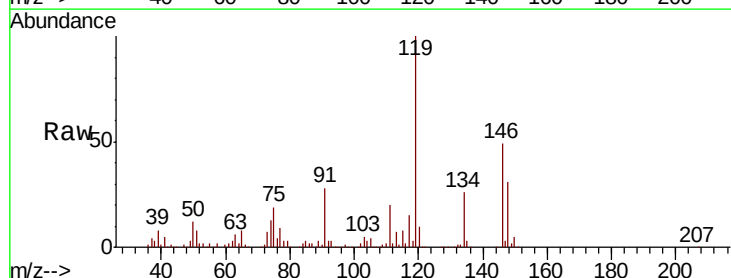
Tgt Ion:119 Resp: 241923

Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.6

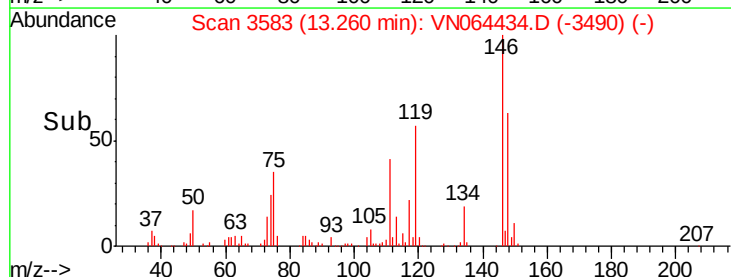
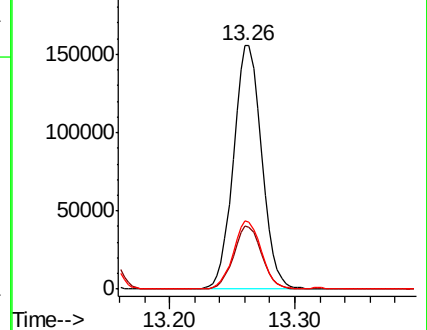
91 28.0 12.8 38.3

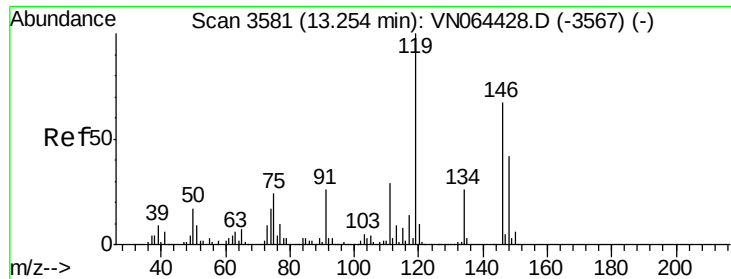


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

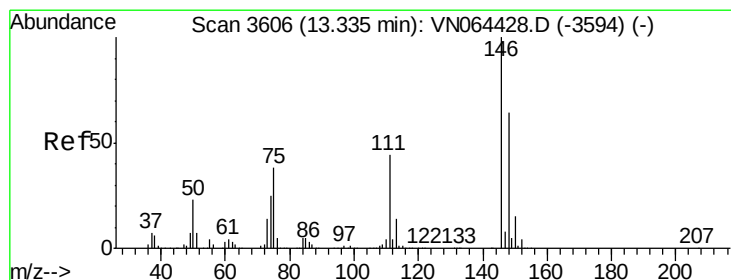
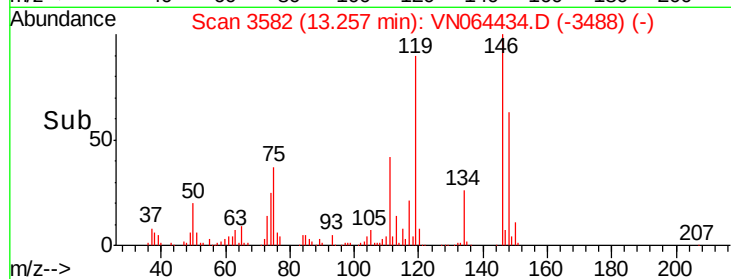
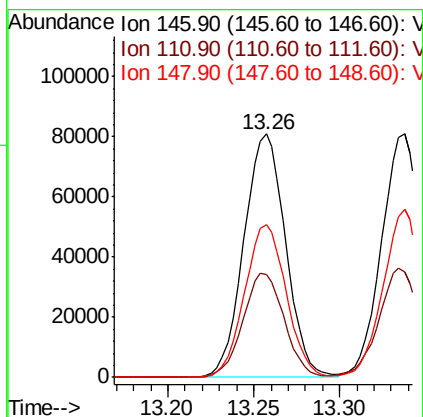
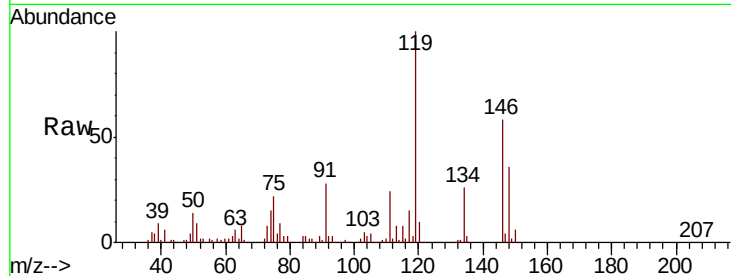




#87
 1,3-Dichlorobenzene
 Concen: 18.118 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

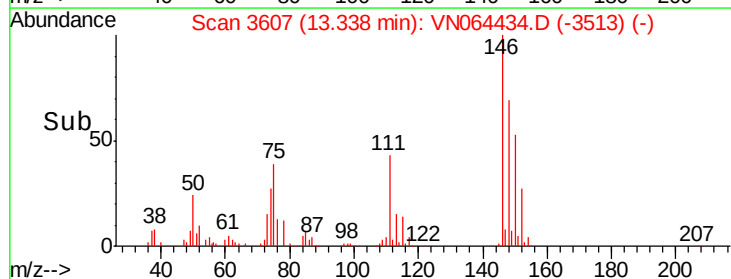
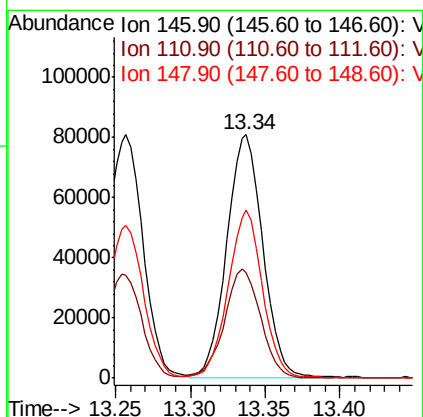
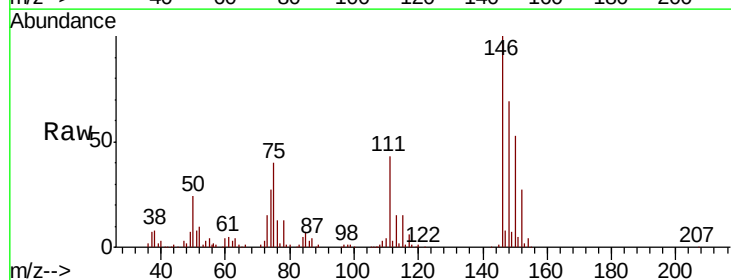
Instrument :
 MSVOA_N
 ClientSampled :

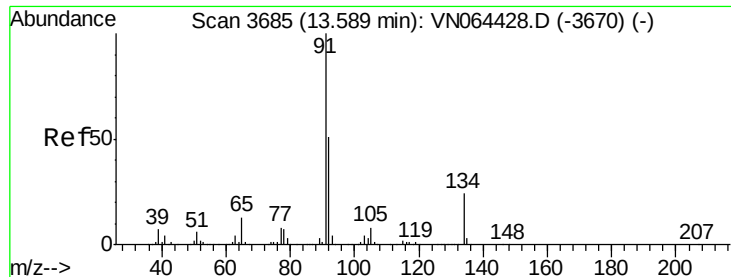
Tot Ion:146 Resp: 136306
 Ion Ratio Lower Upper
 146 100
 111 42.2 22.1 66.1
 148 62.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 17.387 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion:146 Resp: 135181
 Ion Ratio Lower Upper
 146 100
 111 44.9 21.8 65.3
 148 65.7 32.4 97.2





#89

n-Butylbenzene

Concen: 17.978 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064434.D

Acq: 4 Nov 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

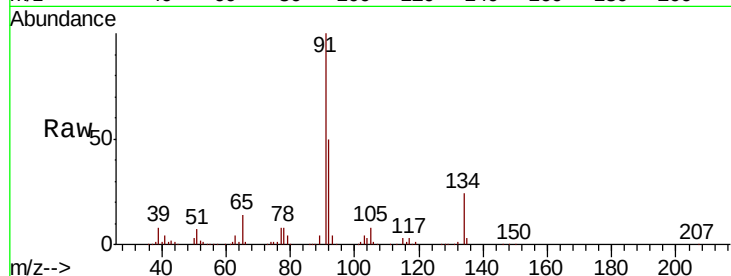
Tot Ion: 91 Resp: 202246

Ion Ratio Lower Upper

91 100

92 50.6 25.3 75.9

134 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN064428.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064428.D (-3670) (-)

13.59

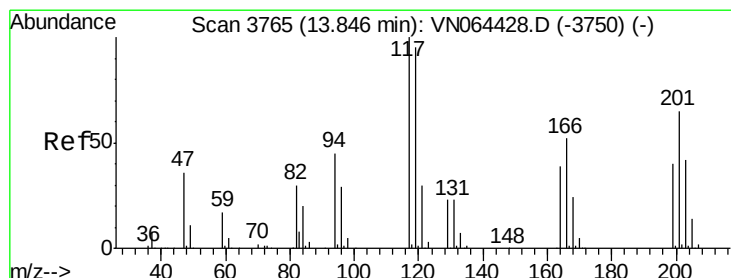
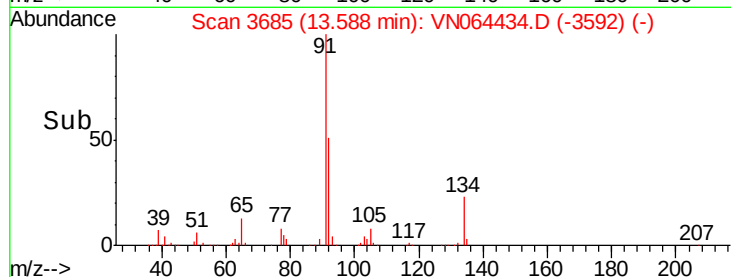
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 17.976 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064434.D

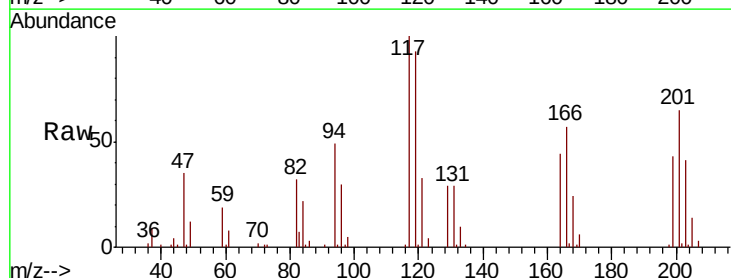
Acq: 4 Nov 2020 14:18

Tgt Ion: 117 Resp: 45371

Ion Ratio Lower Upper

117 100

201 64.2 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): VN064428.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN064428.D (-3750) (-)

13.85

30000

25000

20000

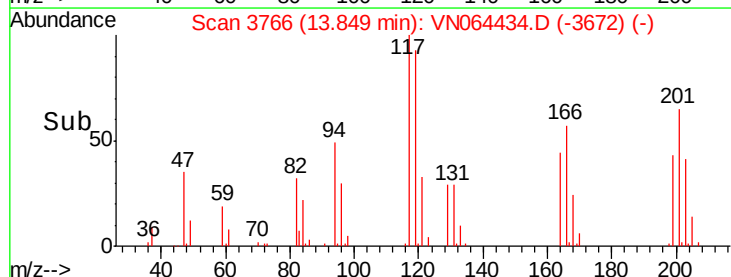
15000

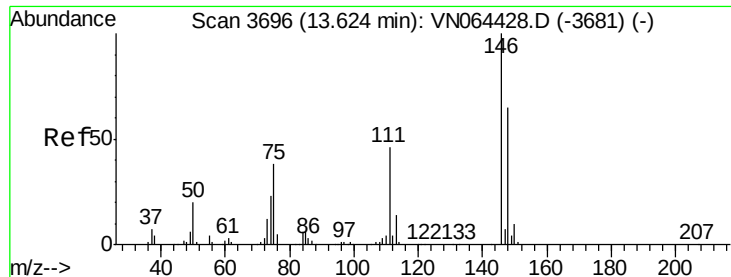
10000

5000

0

Time-->

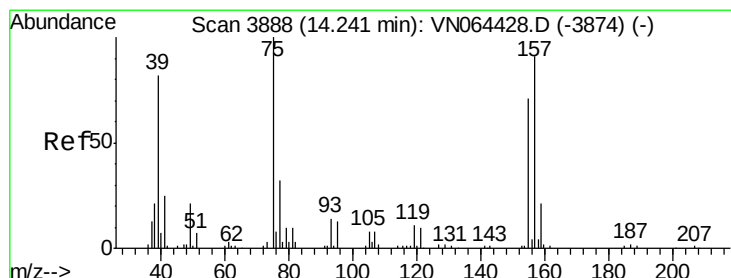
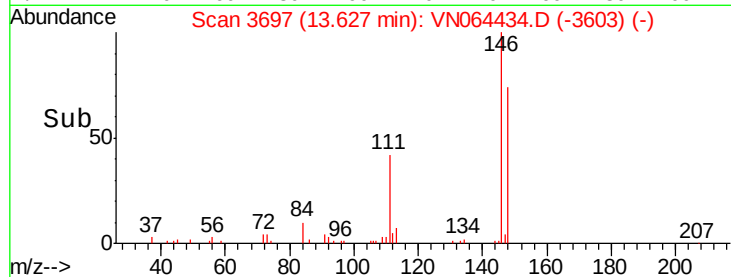
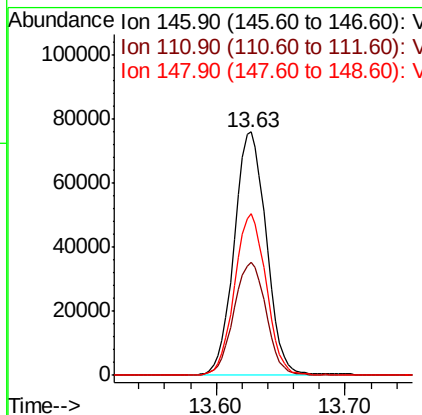
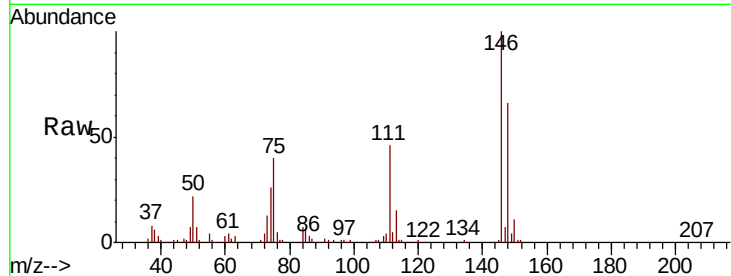




#91
 1,2-Dichlorobenzene
 Concen: 18.241 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

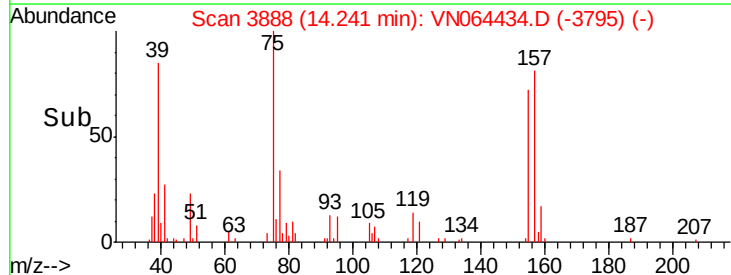
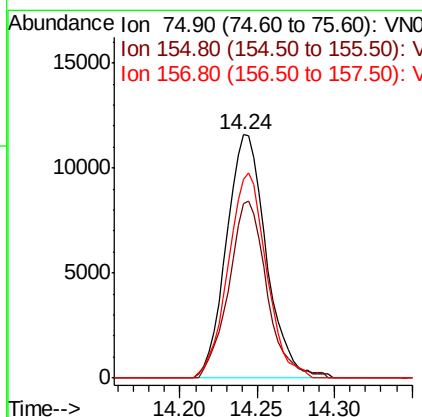
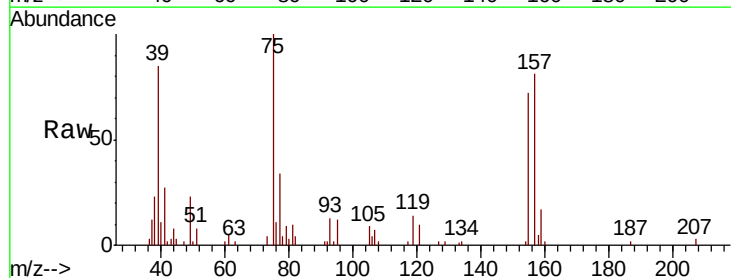
Instrument :
 MSVOA_N
 ClientSampleId :

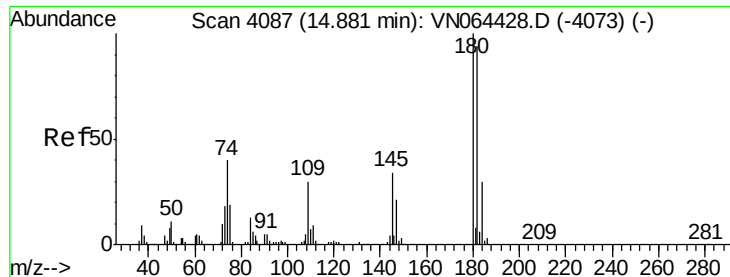
Tot Ion:146 Resp: 132004
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.9 68.7
 148 65.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.975 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion: 75 Resp: 20686
 Ion Ratio Lower Upper
 75 100
 155 69.6 34.6 103.9
 157 80.9 43.0 128.8

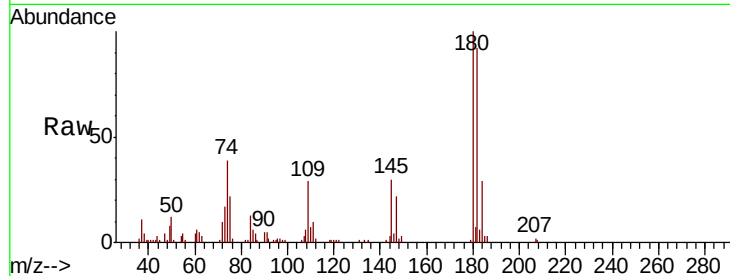




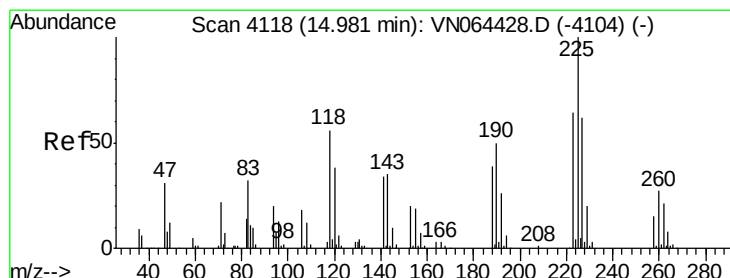
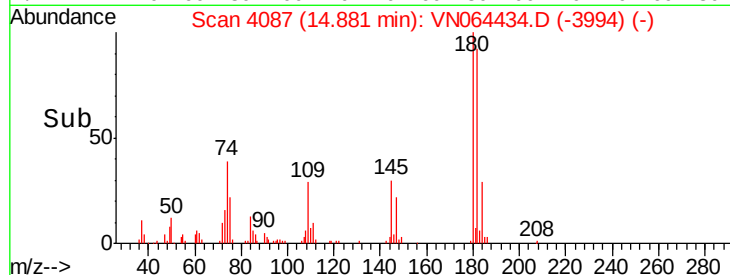
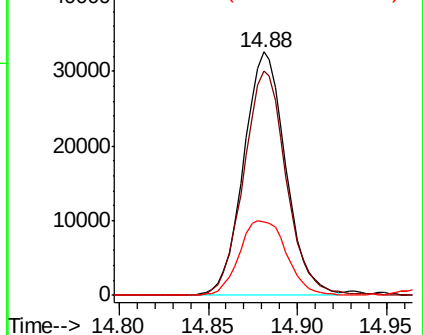
#93
 1,2,4-Trichlorobenzene
 Concen: 16.763 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 53597
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.3 142.0
 145 34.3 16.7 50.1

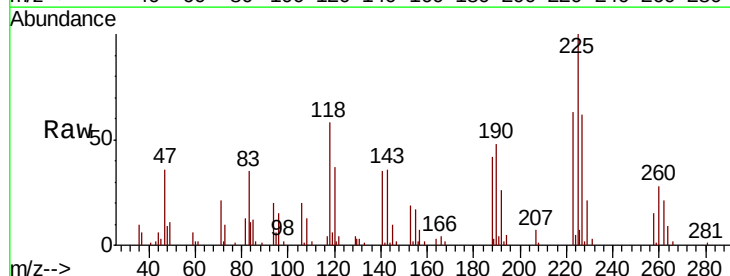


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

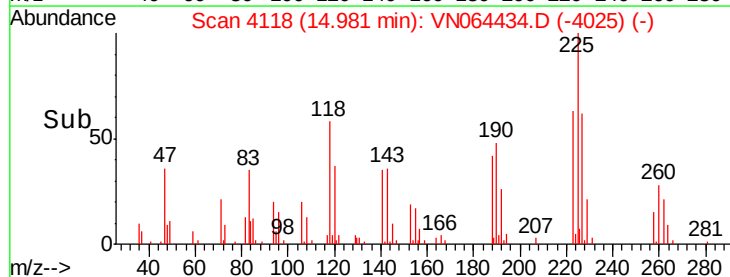
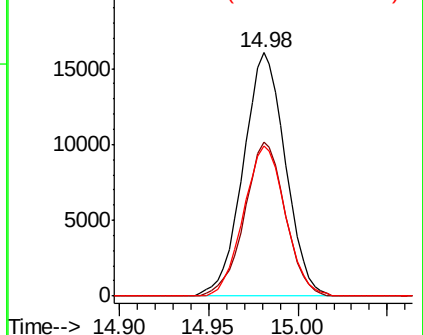


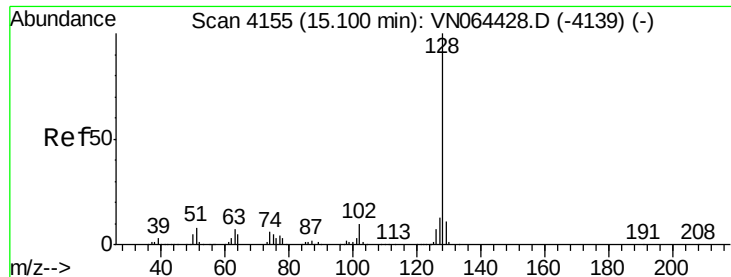
#94
 Hexachlorobutadiene
 Concen: 17.926 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064434.D
 Acq: 4 Nov 2020 14:18

Tgt Ion:225 Resp: 26413
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.8 95.4
 227 61.4 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

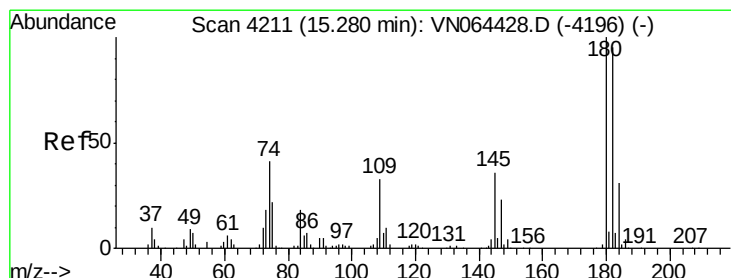
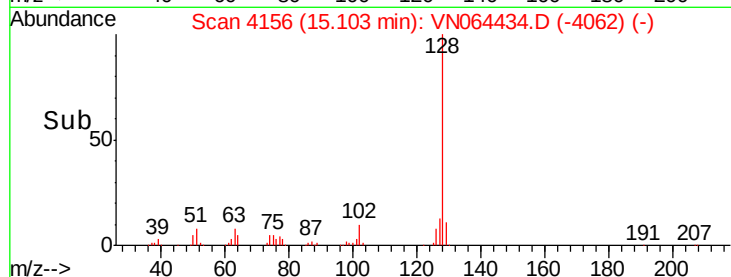
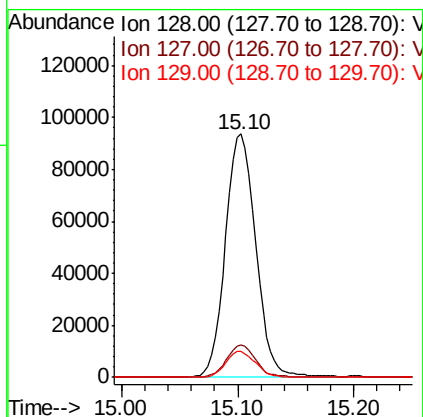
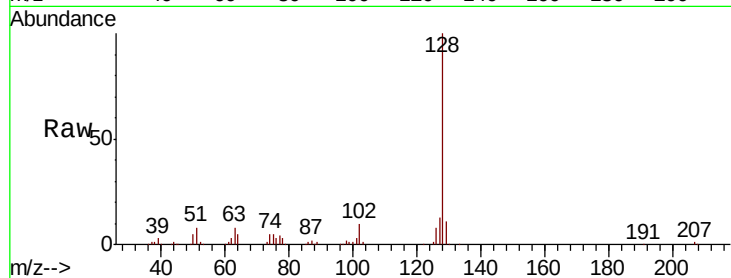




#95
Naphthalene
Concen: 16.497 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 170731
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.289 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064434.D
Acq: 4 Nov 2020 14:18

Tgt Ion:180 Resp: 53502
Ion Ratio Lower Upper
180 100
182 94.0 47.7 143.1
145 36.2 18.3 54.8

