

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064906.D
 Acq On : 3 Dec 2020 18:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.01µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-3-20

Quant Time: Dec 04 03:01:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	207819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	325753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	294415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	115495	47.80	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.60%
35) Dibromofluoromethane	7.55	113	96393	49.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.90%
50) Toluene-d8	10.06	98	388603	48.79	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.58%
62) 4-Bromofluorobenzene	12.38	95	138209	48.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.98%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	74499	41.363	ug/l 97
3) Chloromethane	2.04	50	97502	41.658	ug/l 99
4) Vinyl Chloride	2.17	62	106007	43.442	ug/l 97
5) Bromomethane	2.52	94	65669	41.018	ug/l 99
6) Chloroethane	2.67	64	68366	45.297	ug/l 99
7) Trichlorofluoromethane	2.99	101	152325	45.158	ug/l 98
8) Diethyl Ether	3.37	74	62894	47.237	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	92390	45.659	ug/l 99
10) Methyl Iodide	3.91	142	120531	45.923	ug/l 98
11) Tert butyl alcohol	4.75	59	80195	212.839	ug/l 98
12) 1,1-Dichloroethene	3.69	96	92547	45.924	ug/l 99
13) Acrolein	3.56	56	78572	341.399	ug/l 98
14) Allyl chloride	4.27	41	152303	45.822	ug/l 99
15) Acrylonitrile	4.93	53	249038	239.257	ug/l 99
16) Acetone	3.78	43	194700	245.147	ug/l 96
17) Carbon Disulfide	4.01	76	223347	42.925	ug/l 99
18) Methyl Acetate	4.28	43	114550	47.972	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	321115	49.683	ug/l 99
20) Methylene Chloride	4.50	84	111777	44.913	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	101652	45.423	ug/l 95
22) Diisopropyl ether	5.91	45	330055	49.611	ug/l 98
23) Vinyl Acetate	5.85	43	1319803	248.079	ug/l 99
24) 1,1-Dichloroethane	5.79	63	191968	48.282	ug/l 99
25) 2-Butanone	6.79	43	313455	243.467	ug/l 96
26) 2,2-Dichloropropane	6.78	77	155214	45.011	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	119859	47.597	ug/l 100
28) Bromochloromethane	7.15	49	83082	45.677	ug/l 98
29) Tetrahydrofuran	7.17	42	206013	231.806	ug/l 99
30) Chloroform	7.33	83	197067	48.063	ug/l 99
31) Cyclohexane	7.61	56	146741	43.577	ug/l 95
32) 1,1,1-Trichloroethane	7.53	97	166262	47.213	ug/l 99
36) 1,1-Dichloropropene	7.75	75	142086	47.058	ug/l 99
37) Ethyl Acetate	6.88	43	133708	45.972	ug/l 98
38) Carbon Tetrachloride	7.73	117	146111	46.507	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	145626	44.802	ug/l	95
40) Benzene	8.00	78	436421	47.168	ug/l	98
41) Methacrylonitrile	7.12	41	66329	49.424	ug/l	88
42) 1,2-Dichloroethane	8.08	62	143349	45.926	ug/l	100
43) Isopropyl Acetate	8.13	43	218454	46.677	ug/l #	90
44) Trichloroethene	8.80	130	126326	46.274	ug/l	97
45) 1,2-Dichloropropane	9.08	63	117695	49.119	ug/l	99
46) Dibromomethane	9.17	93	76193	47.598	ug/l	99
47) Bromodichloromethane	9.37	83	155893	48.400	ug/l	98
48) Methyl methacrylate	9.16	41	105443	47.150	ug/l	98
49) 1,4-Dioxane	9.17	88	33821	800.172	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	669722	238.361	ug/l	100
52) Toluene	10.12	92	277560	48.711	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	172270	48.020	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	187592	48.785	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	112154	47.865	ug/l	97
56) Ethyl methacrylate	10.40	69	162455	50.243	ug/l	99
57) 1,3-Dichloropropane	10.68	76	190677	49.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	443677	249.454	ug/l	100
59) 2-Hexanone	10.72	43	484167	239.438	ug/l	100
60) Dibromochloromethane	10.87	129	126895	48.720	ug/l	100
61) 1,2-Dibromoethane	10.98	107	114854	48.247	ug/l	100
64) Tetrachloroethene	10.60	164	134209	46.855	ug/l	98
65) Chlorobenzene	11.40	112	304341	48.136	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	115719	49.803	ug/l	98
67) Ethyl Benzene	11.48	91	521299	49.355	ug/l	99
68) m/p-Xylenes	11.59	106	404910	101.255	ug/l	98
69) o-Xylene	11.92	106	192555	50.742	ug/l	99
70) Styrene	11.94	104	333717	52.093	ug/l	99
71) Bromoform	12.10	173	88841	47.872	ug/l #	99
73) Isopropylbenzene	12.22	105	507250	50.184	ug/l	100
74) N-amyl acetate	12.04	43	192536	48.403	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	143491	48.434	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	203129	64.907	ug/l #	100
77) Bromobenzene	12.50	156	131143	48.125	ug/l	98
78) n-propylbenzene	12.56	91	572147	49.688	ug/l	99
79) 2-Chlorotoluene	12.65	91	350009	49.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	429110	51.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	53603	46.944	ug/l	97
82) 4-Chlorotoluene	12.75	91	359821	48.228	ug/l	99
83) tert-Butylbenzene	12.97	119	356811	50.668	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	438897	51.668	ug/l	99
85) sec-Butylbenzene	13.14	105	460336	49.233	ug/l	100
86) p-Isopropyltoluene	13.26	119	431930	50.740	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	231729	47.863	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	232950	45.497	ug/l	100
89) n-Butylbenzene	13.59	91	355408	47.542	ug/l	99
90) Hexachloroethane	13.85	117	72146	48.787	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	229369	48.249	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30257	45.389	ug/l	97

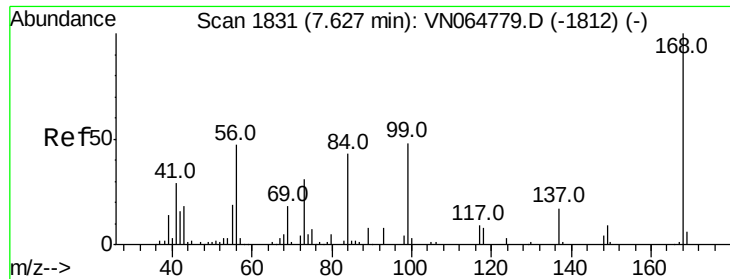
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120320\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	128321	43.635	ug/l	100
94) Hexachlorobutadiene	14.98	225	62482	47.203	ug/l	99
95) Naphthalene	15.10	128	384664	43.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	124685	44.766	ug/l	98

(#) = 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: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

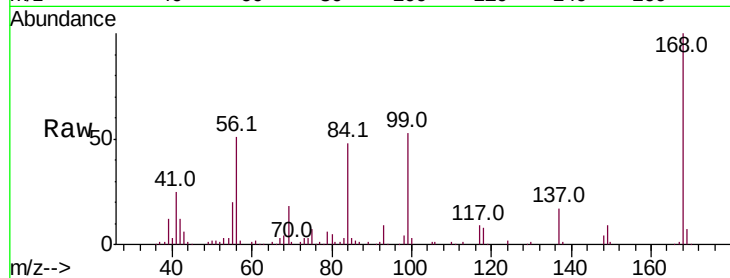
TB-12-3-20

Tot Ion:168 Resp: 207819

Ion Ratio Lower Upper

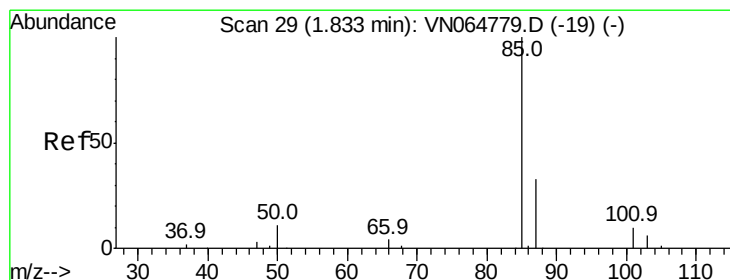
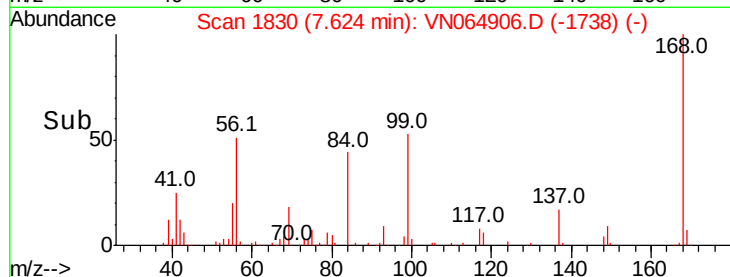
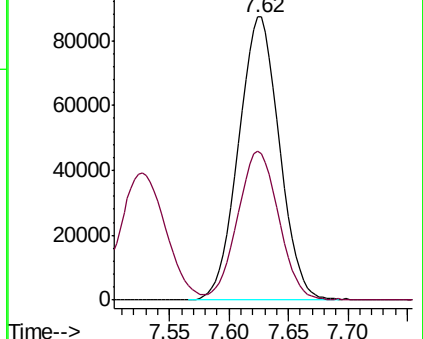
168 100

99 52.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.363 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064906.D

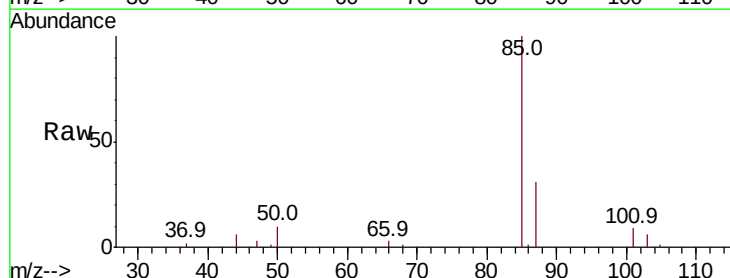
Acq: 3 Dec 2020 18:15

Tgt Ion: 85 Resp: 74499

Ion Ratio Lower Upper

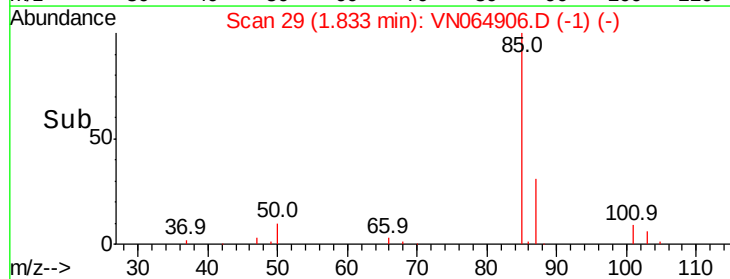
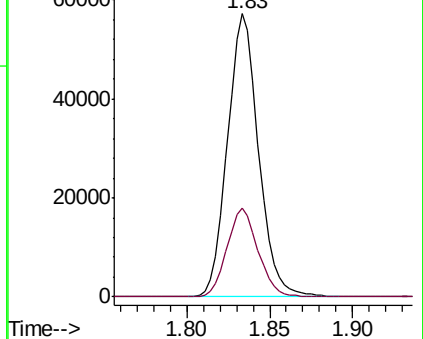
85 100

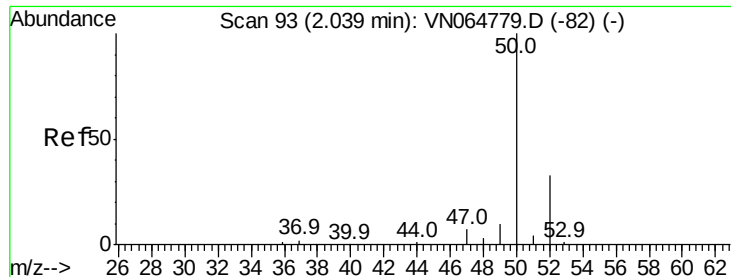
87 31.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.658 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

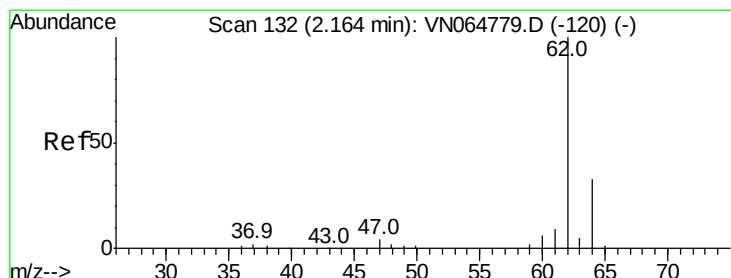
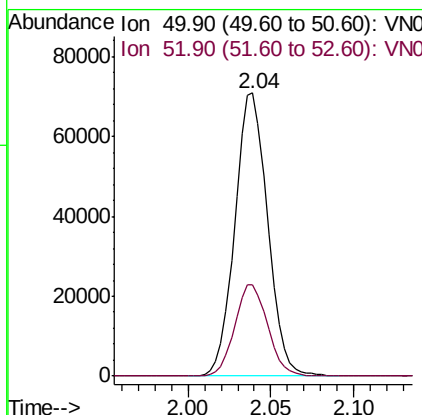
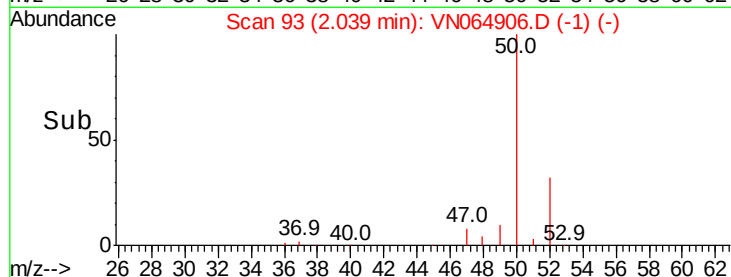
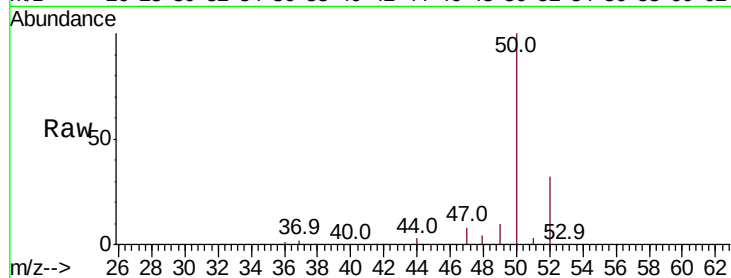
TB-12-3-20

Tot Ion: 50 Resp: 97502

Ion Ratio Lower Upper

50 100

52 32.4 26.6 39.8



#4

Vinyl Chloride

Concen: 43.442 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064906.D

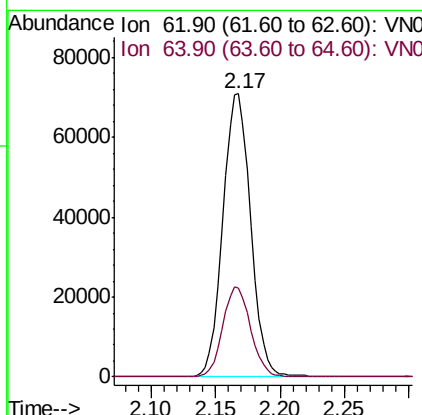
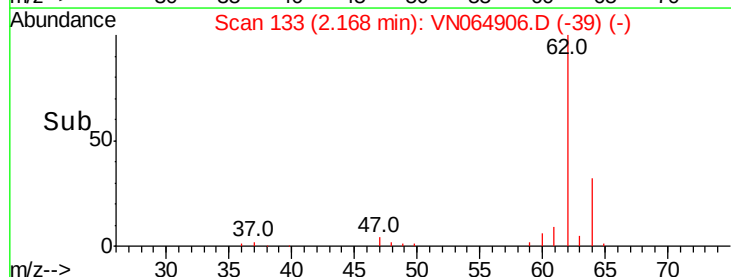
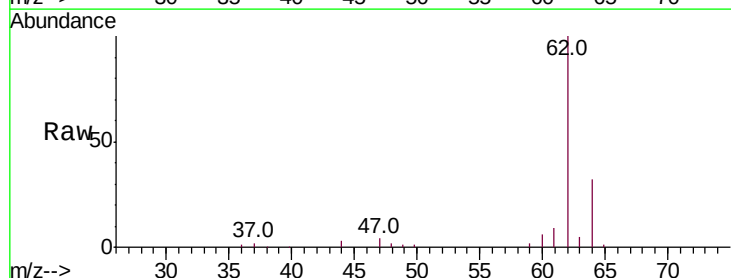
Acq: 3 Dec 2020 18:15

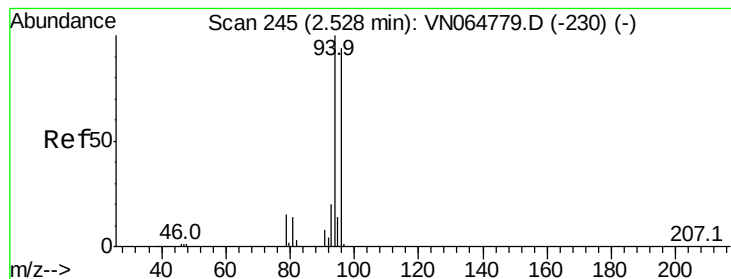
Tgt Ion: 62 Resp: 106007

Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7





#5

Bromomethane

Concen: 41.018 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

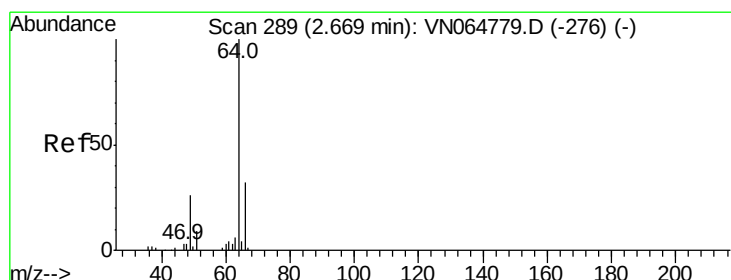
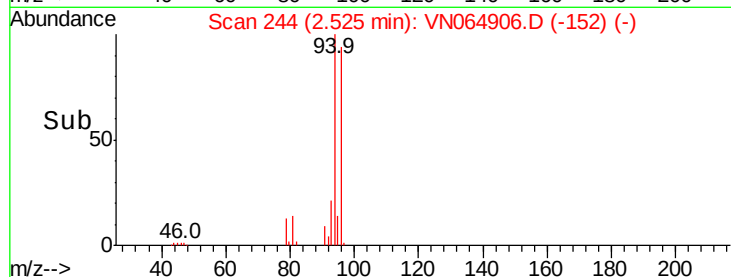
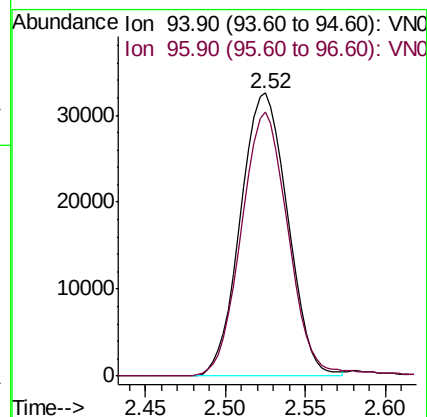
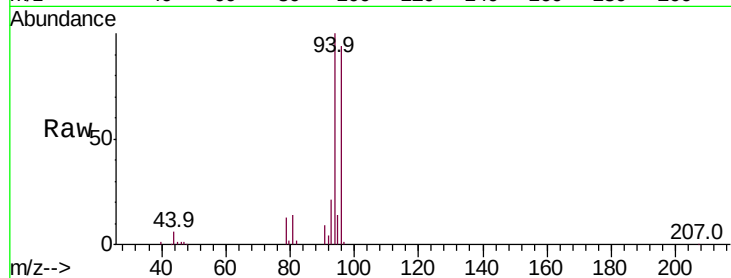
TB-12-3-20

Tot Ion: 94 Resp: 65669

Ion Ratio Lower Upper

94 100

96 93.5 75.4 113.0



#6

Chloroethane

Concen: 45.297 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064906.D

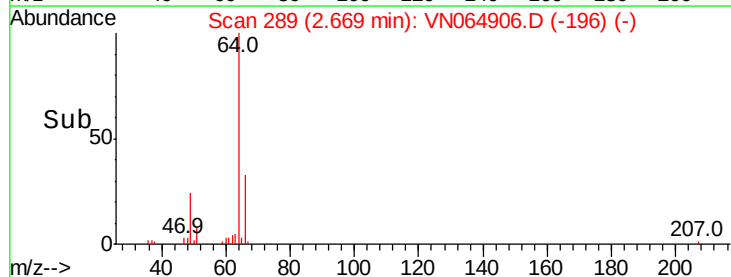
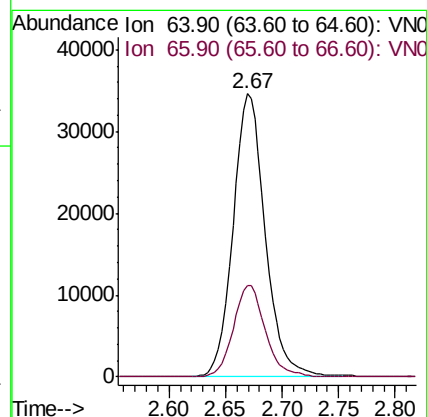
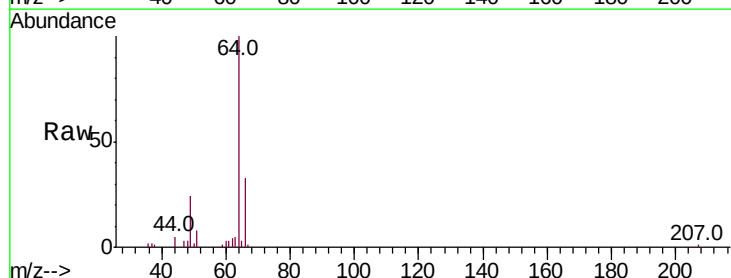
Acq: 3 Dec 2020 18:15

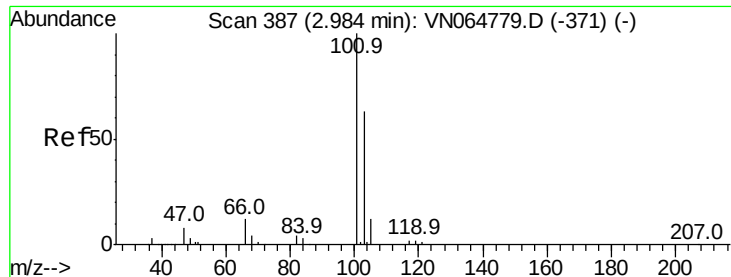
Tgt Ion: 64 Resp: 68366

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4



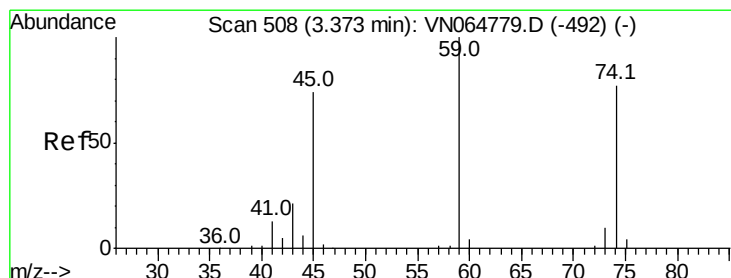
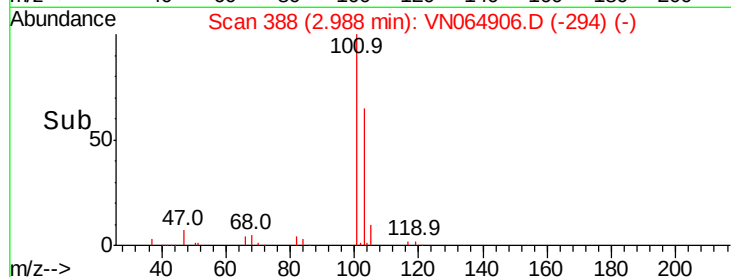
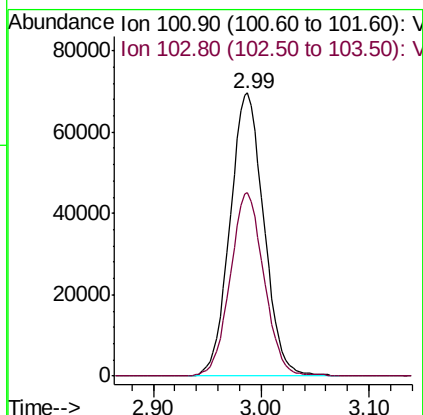
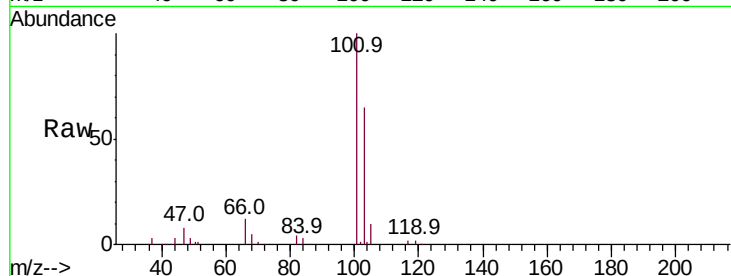


#7

Trichlorofluoromethane
Concen: 45.158 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

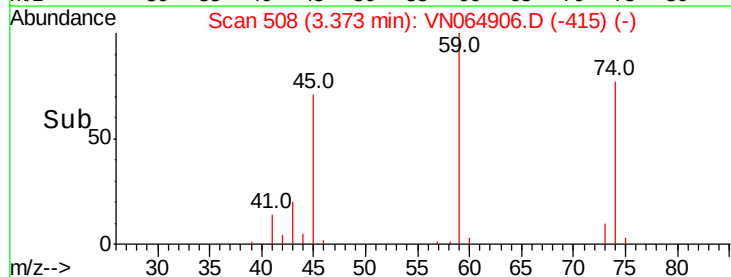
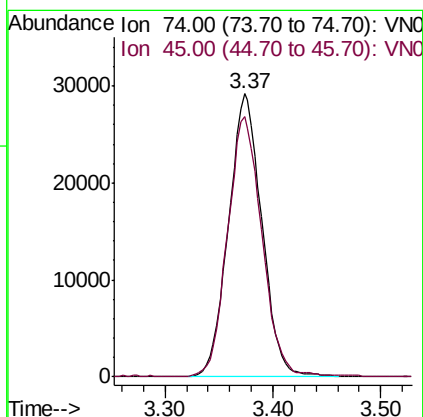
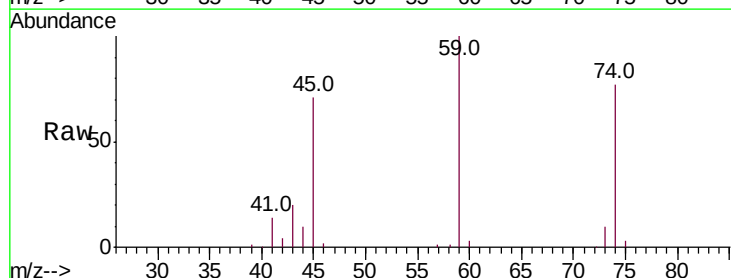
Tot Ion:101 Resp: 152325
Ion Ratio Lower Upper
101 100
103 64.6 50.5 75.7

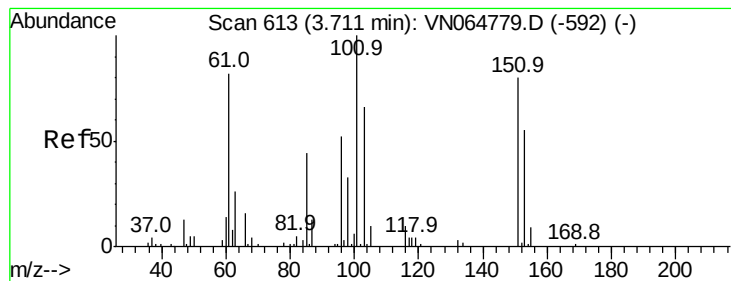


#8

Diethyl Ether
Concen: 47.237 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 74 Resp: 62894
Ion Ratio Lower Upper
74 100
45 94.9 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.659 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-12-3-20

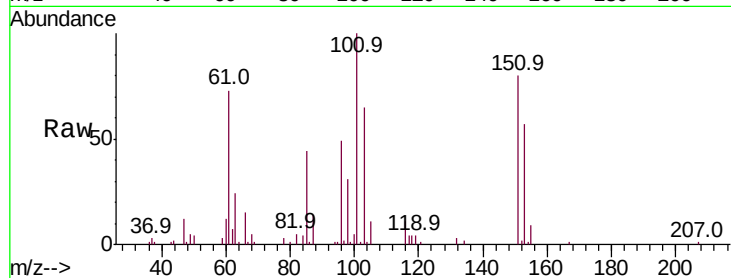
Tot Ion:101 Resp: 92390

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

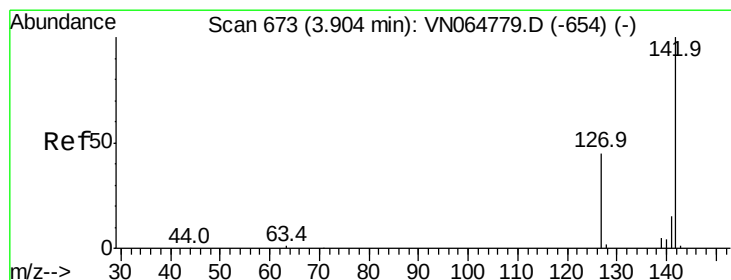
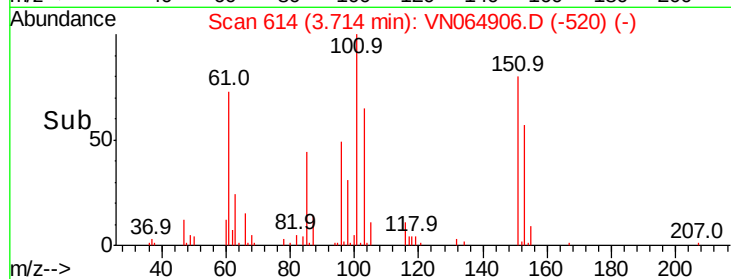
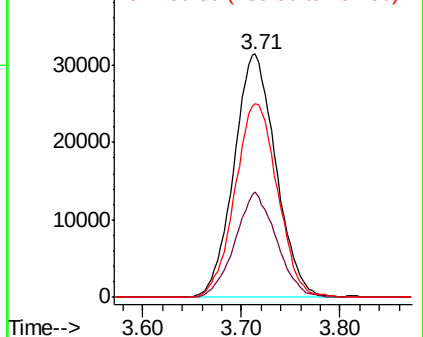
151 80.9 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.923 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

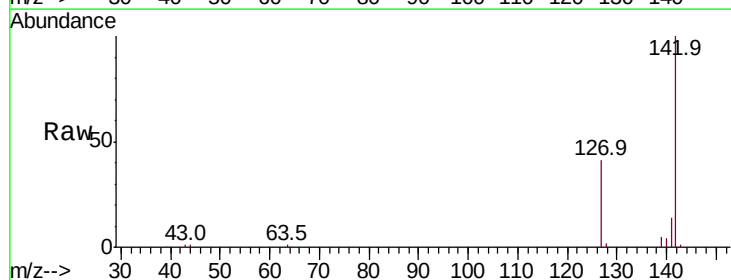
Tgt Ion:142 Resp: 120531

Ion Ratio Lower Upper

142 100

127 42.3 35.0 52.6

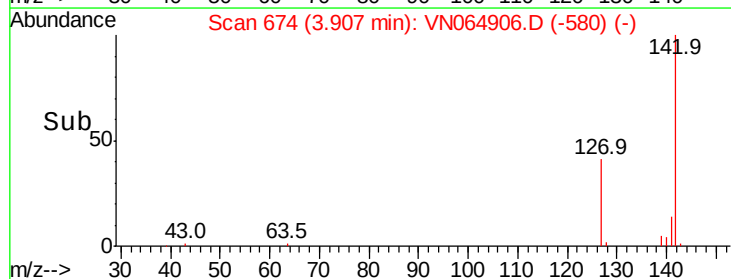
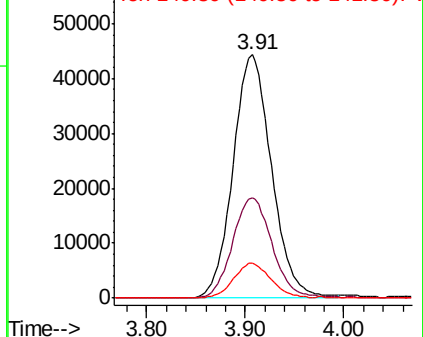
141 13.8 11.8 17.6

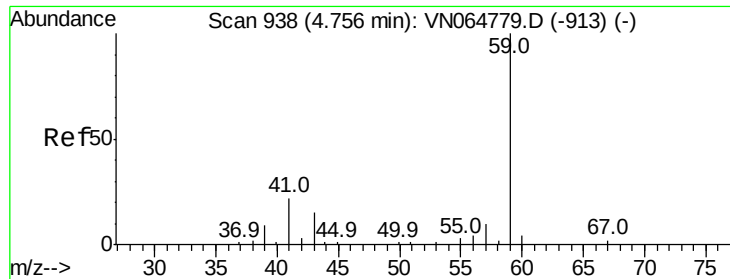


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



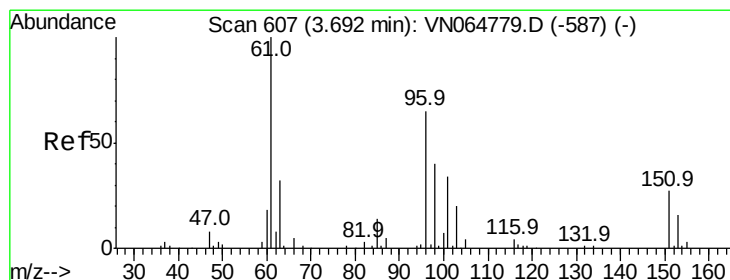
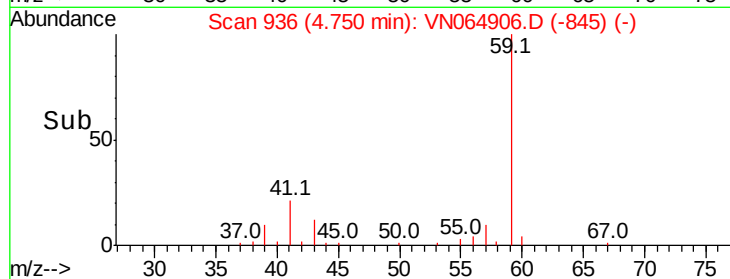
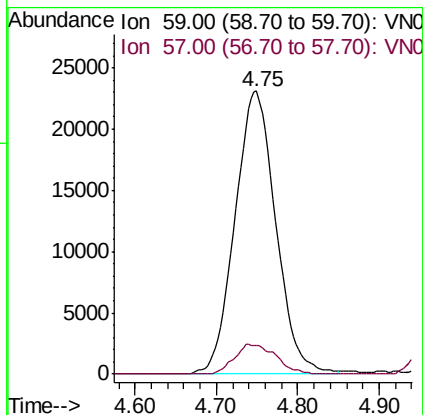
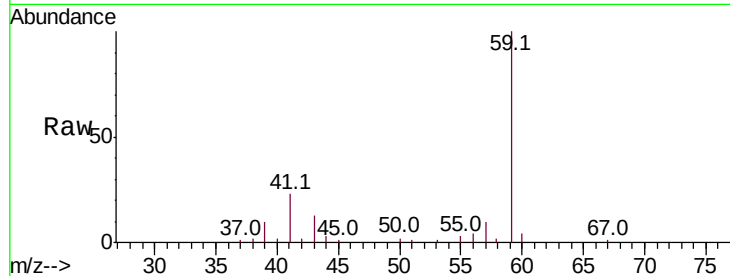


#11

Tert butyl alcohol
 Concen: 212.839 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

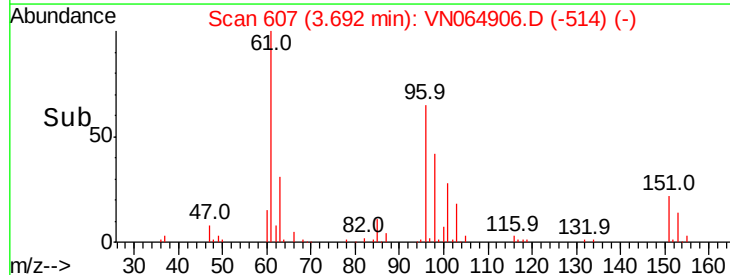
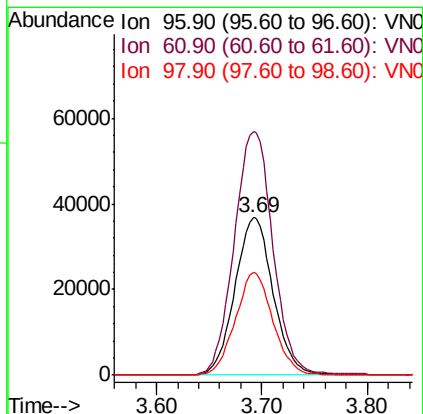
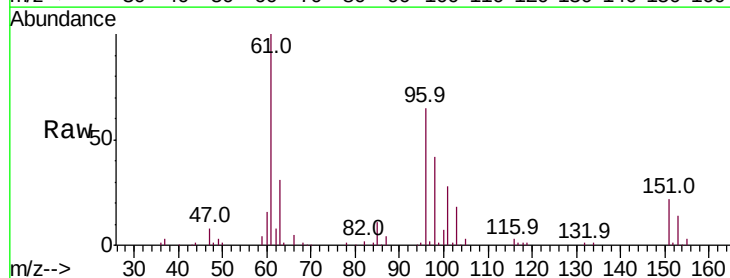
Tot Ion: 59 Resp: 80195
 Ion Ratio Lower Upper
 59 100
 57 10.8 7.9 11.9

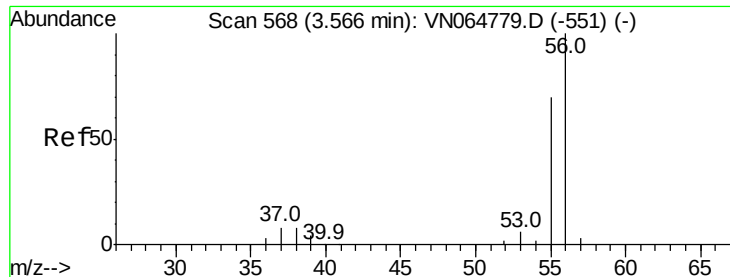


#12

1,1-Dichloroethene
 Concen: 45.924 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 96 Resp: 92547
 Ion Ratio Lower Upper
 96 100
 61 154.4 123.4 185.2
 98 65.4 49.8 74.8

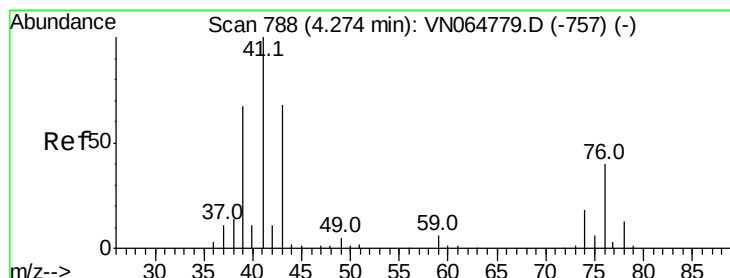
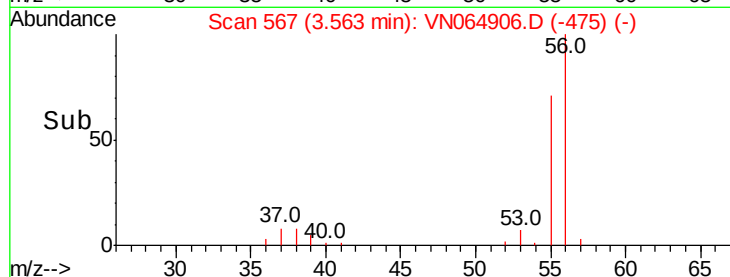
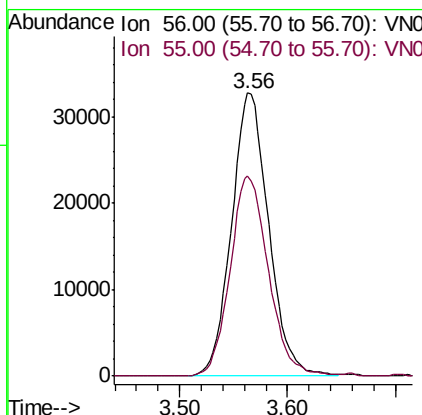
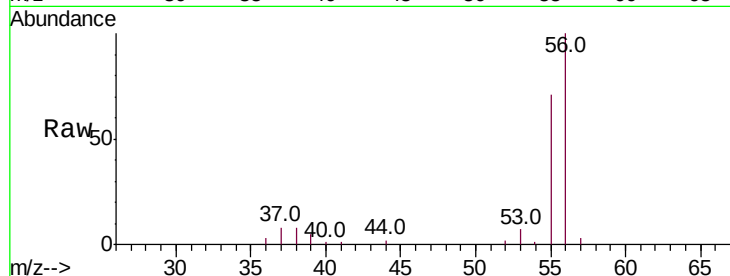




#13
Acrolein
Concen: 341.399 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

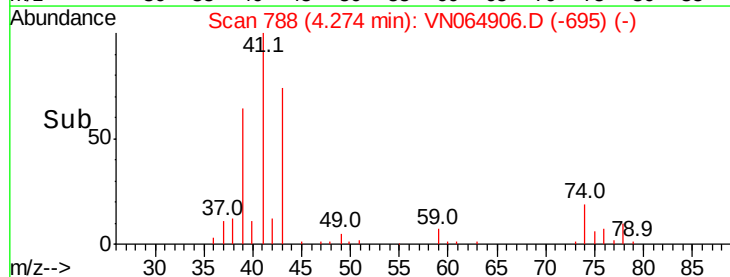
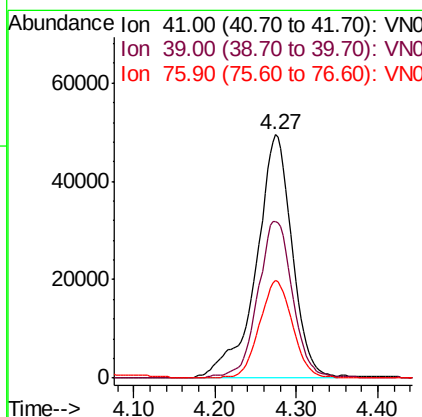
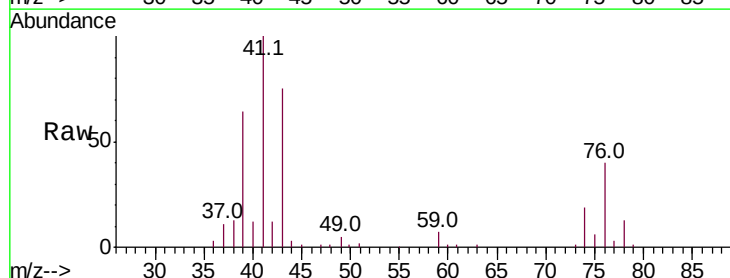
Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

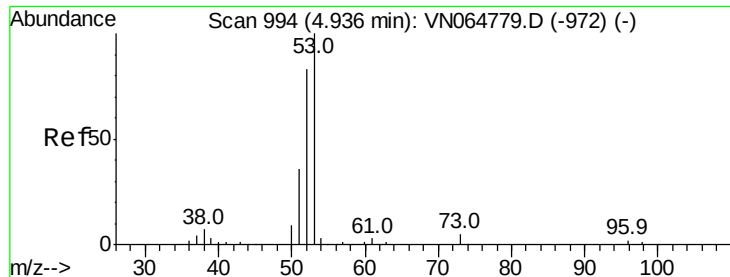
Tot Ion: 56 Resp: 78572
Ion Ratio Lower Upper
56 100
55 72.6 56.5 84.7



#14
Allyl chloride
Concen: 45.822 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 41 Resp: 152303
Ion Ratio Lower Upper
41 100
39 62.3 50.9 76.3
76 36.8 29.0 43.4





#15

Acrylonitrile

Concen: 239.257 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-12-3-20

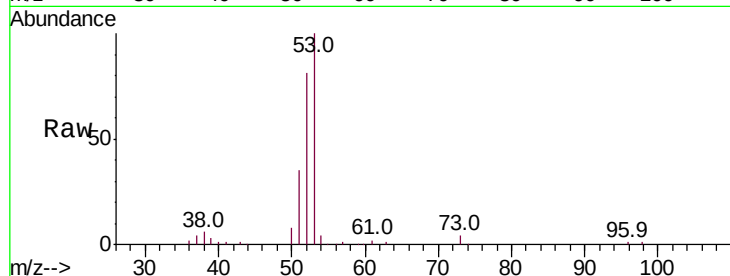
Tot Ion: 53 Resp: 249038

Ion Ratio Lower Upper

53 100

52 81.0 65.5 98.3

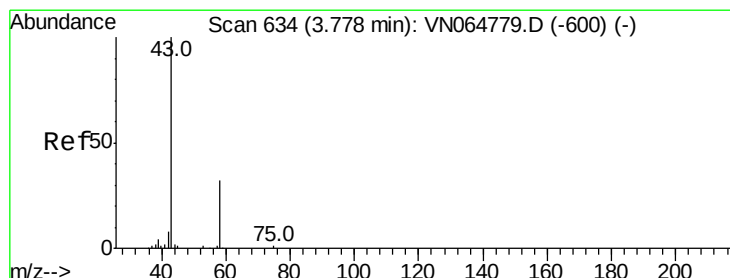
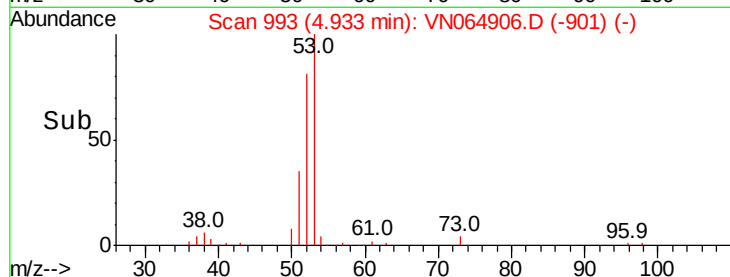
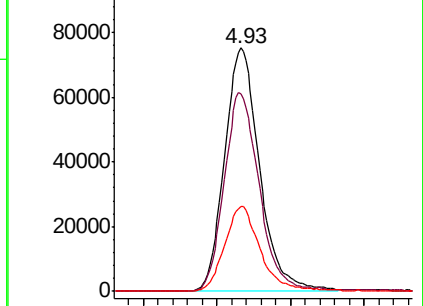
51 35.5 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064779.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN064779.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN064779.D (-972) (-)



#16

Acetone

Concen: 245.147 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064906.D

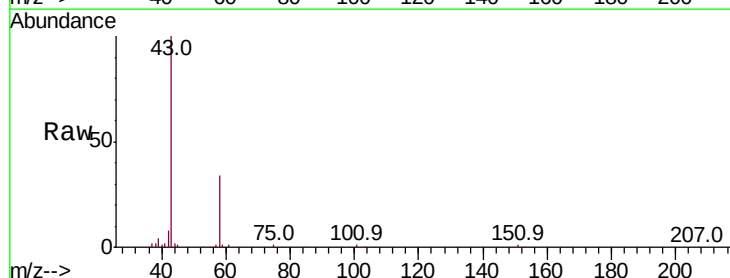
Acq: 3 Dec 2020 18:15

Tgt Ion: 43 Resp: 194700

Ion Ratio Lower Upper

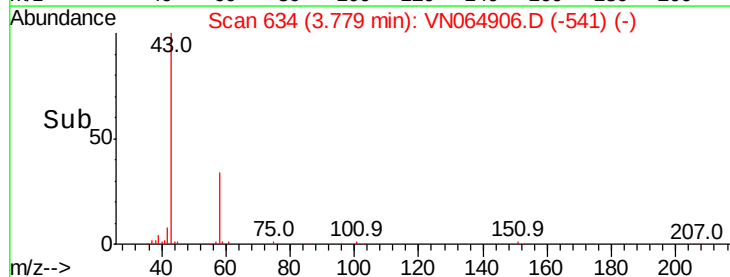
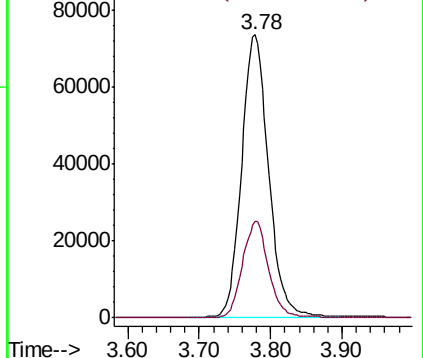
43 100

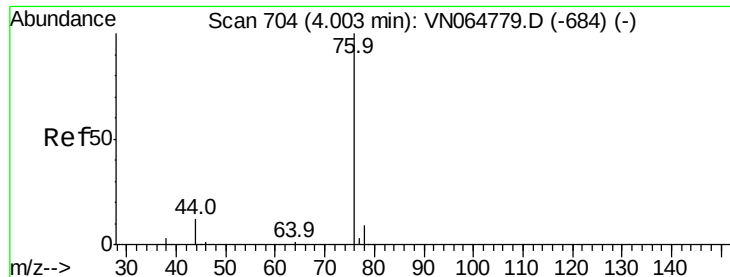
58 34.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-600) (-)





#17

Carbon Disulfide

Concen: 42.925 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

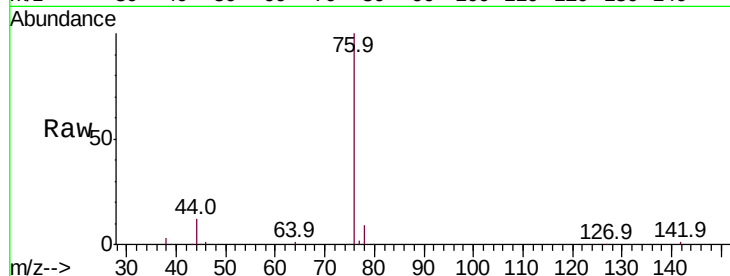
TB-12-3-20

Tot Ion: 76 Resp: 223347

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-684) (-)

4.01

80000

60000

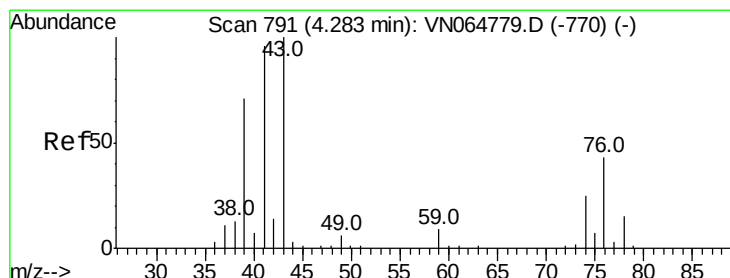
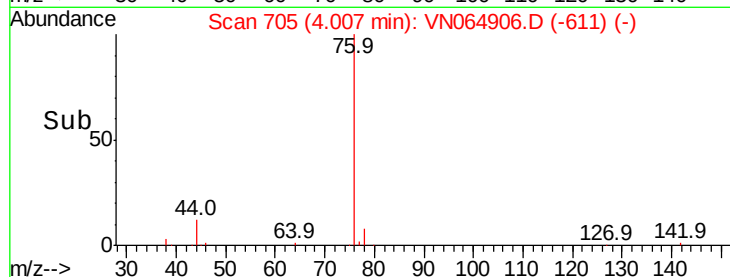
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 47.972 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064906.D

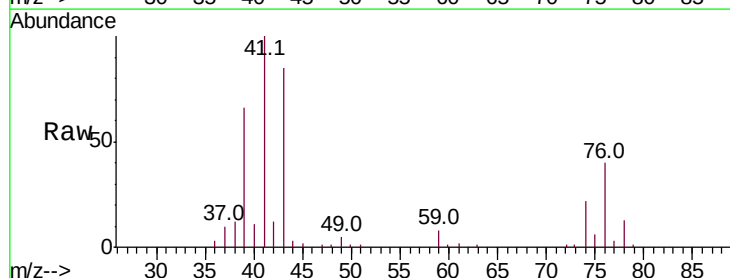
Acq: 3 Dec 2020 18:15

Tgt Ion: 43 Resp: 114550

Ion Ratio Lower Upper

43 100

74 25.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.30): VN064779.D (-770) (-)

Ion 74.00 (73.70 to 74.30): VN064779.D (-770) (-)

4.28

40000

30000

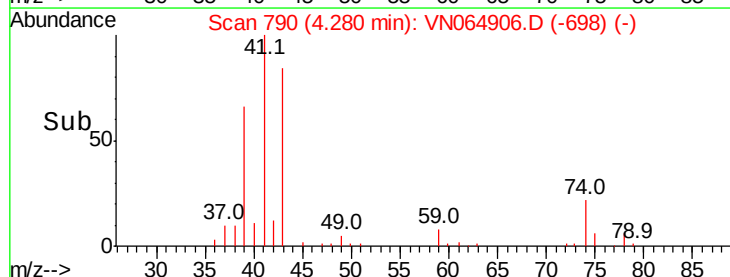
20000

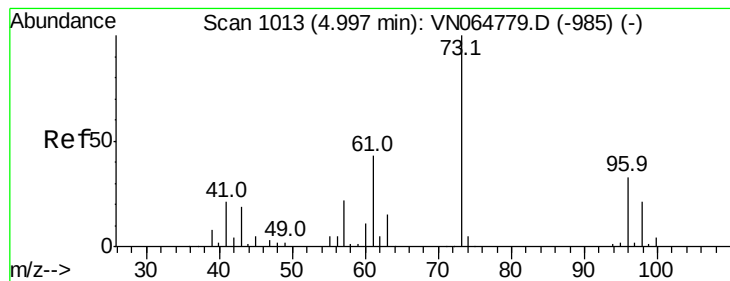
10000

0

Time-->

4.20 4.30 4.40



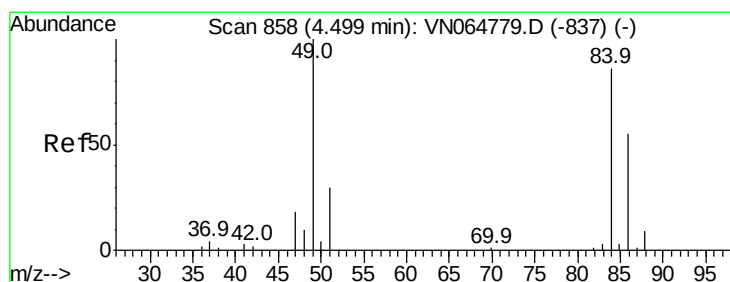
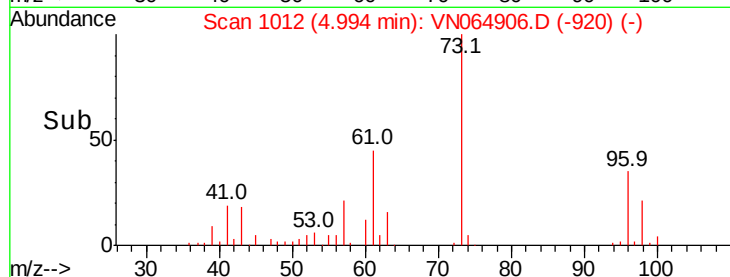
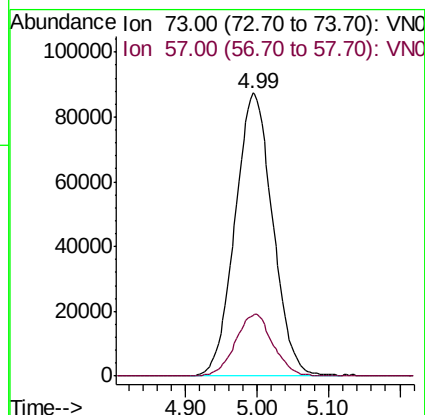
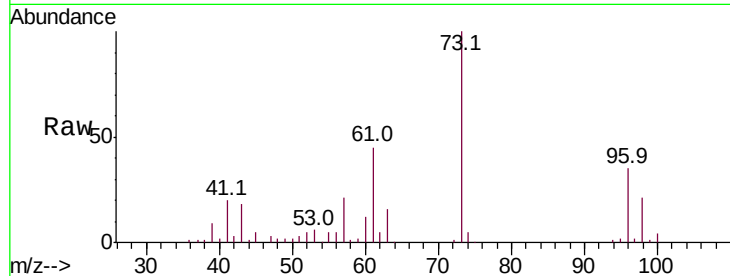


#19

Methvl tert-butvl Ether
 Concen: 49.683 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-3-20

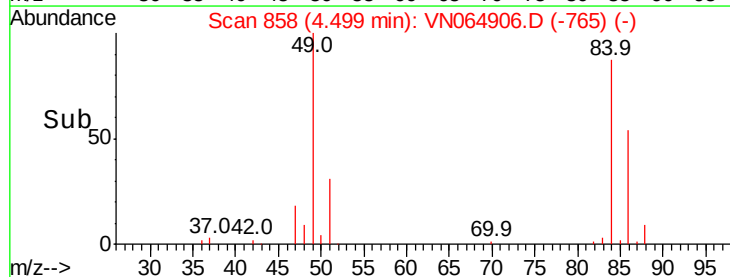
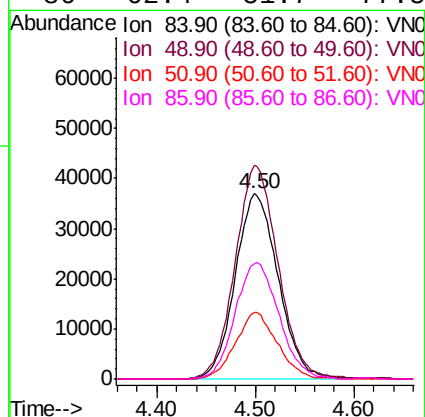
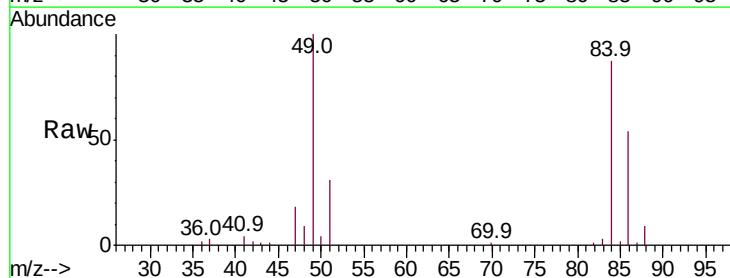
Tot Ion: 73 Resp: 321115
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.4 26.0

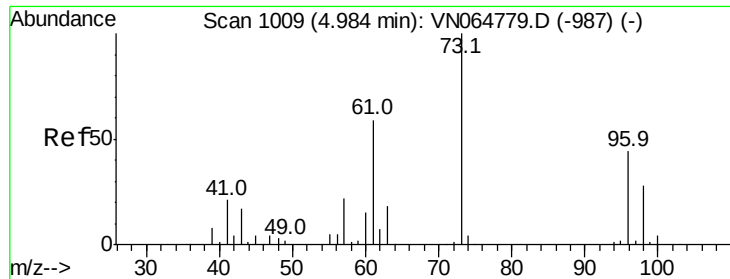


#20

Methylene Chloride
 Concen: 44.913 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 84 Resp: 111777
 Ion Ratio Lower Upper
 84 100
 49 114.6 93.4 140.0
 51 35.7 28.2 42.4
 86 62.4 51.7 77.5

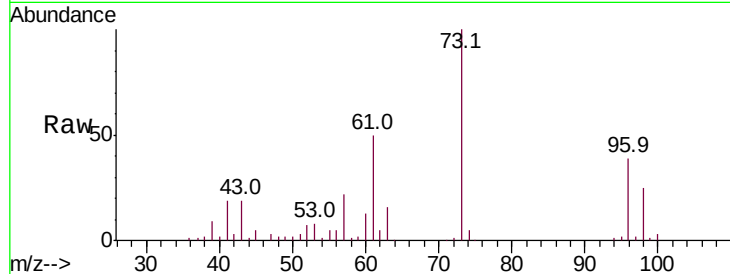




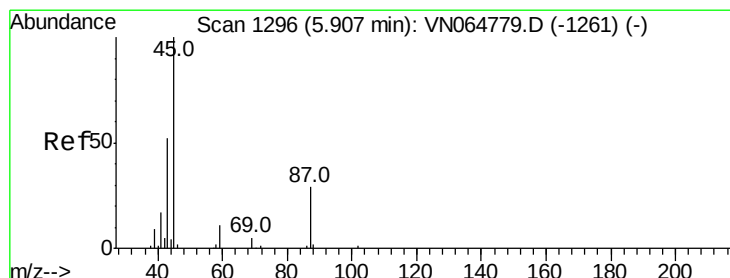
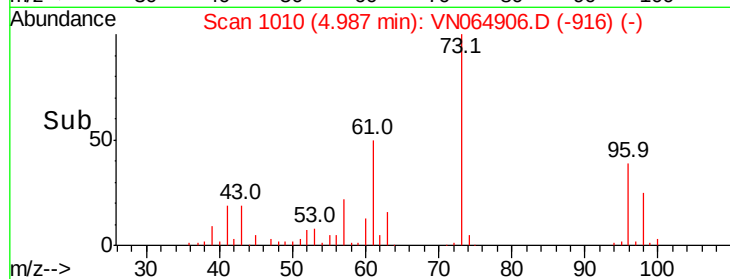
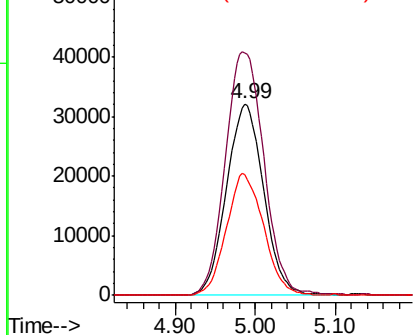
#21
trans-1,2-Dichloroethene
Concen: 45.423 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

Tot Ion: 96 Resp: 101652
Ion Ratio Lower Upper
96 100
61 126.9 108.4 162.6
98 62.9 51.3 76.9

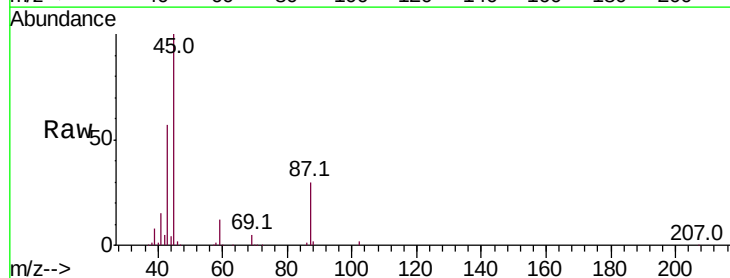


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

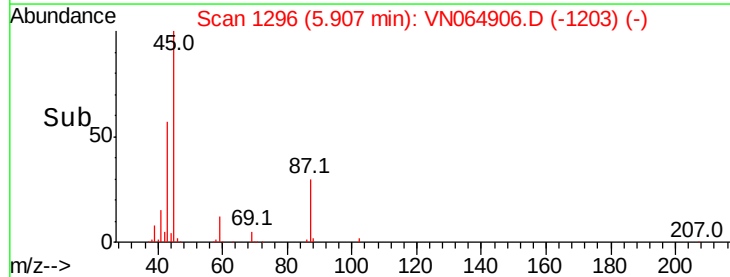
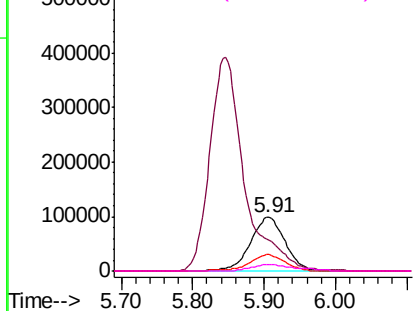


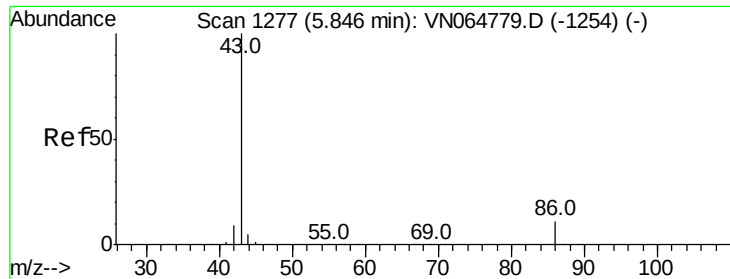
#22
Diisopropyl ether
Concen: 49.611 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 45 Resp: 330055
Ion Ratio Lower Upper
45 100
43 55.8 46.2 69.2
87 30.0 24.1 36.1
59 12.2 9.0 13.4



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

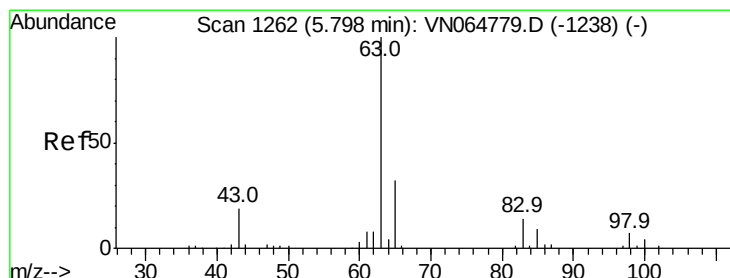
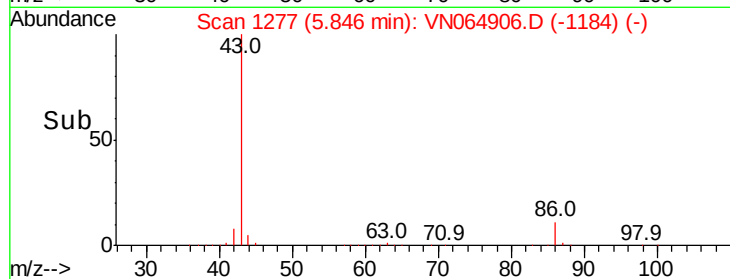
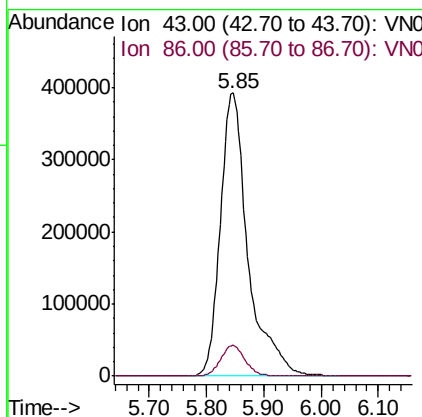
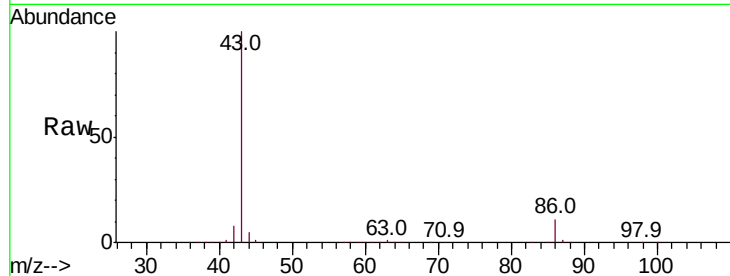




#23
 Vinyl Acetate
 Concen: 248.079 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

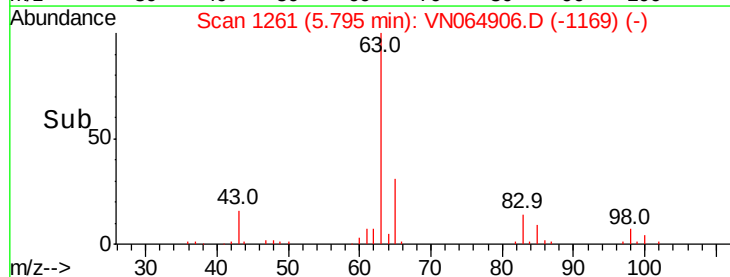
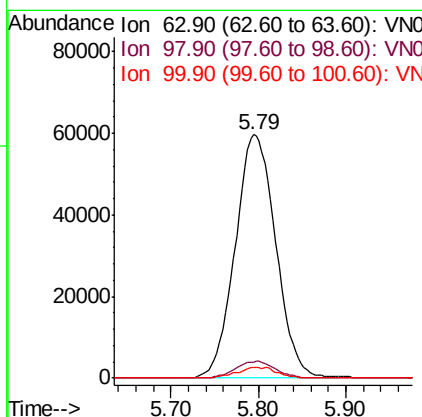
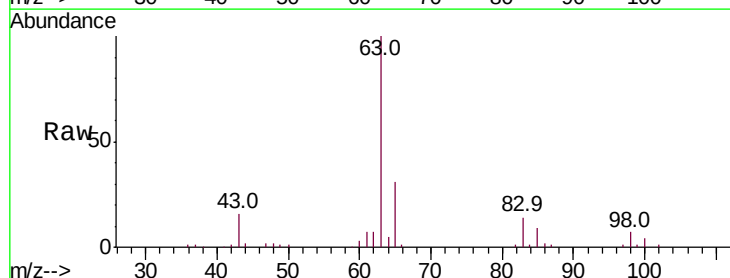
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-3-20

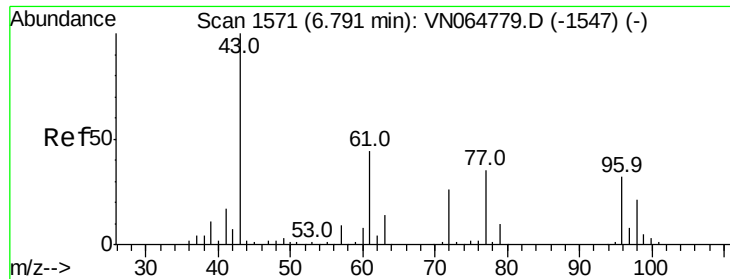
Tot Ion: 43 Resp: 1319803
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 48.282 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 63 Resp: 191968
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.5
 100 4.3 2.3 6.8





#25

2-Butanone

Concen: 243.467 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

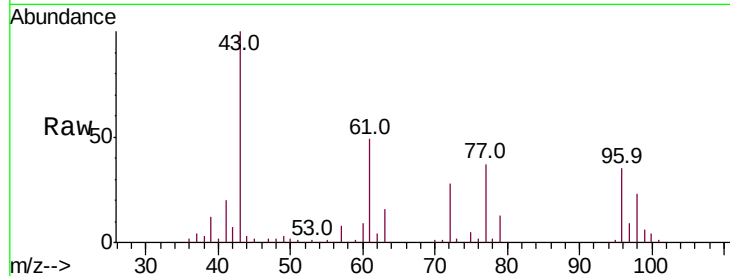
TB-12-3-20

Tot Ion: 43 Resp: 313455

Ion Ratio Lower Upper

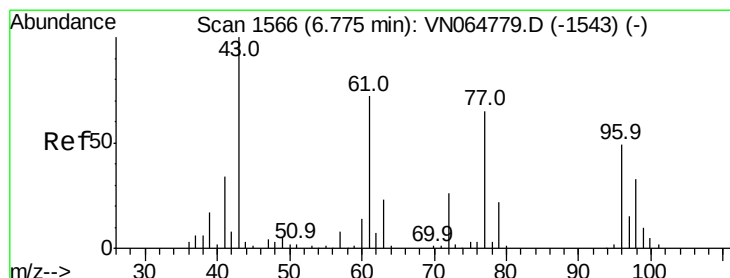
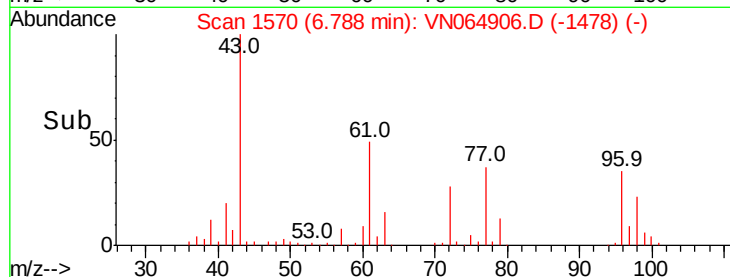
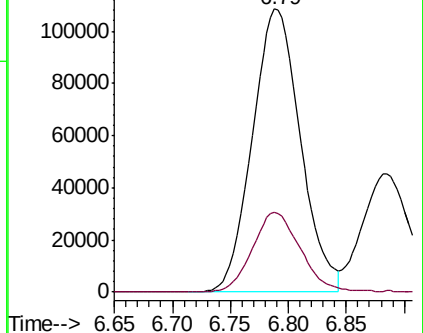
43 100

72 28.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 45.011 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064906.D

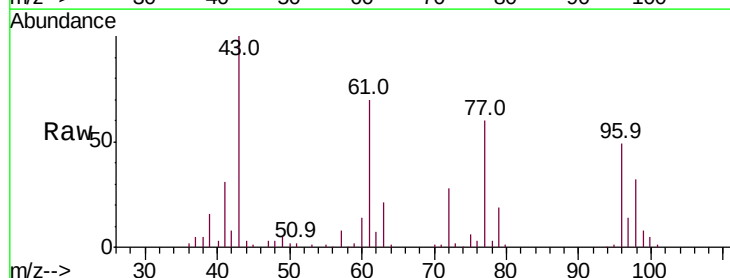
Acq: 3 Dec 2020 18:15

Tgt Ion: 77 Resp: 155214

Ion Ratio Lower Upper

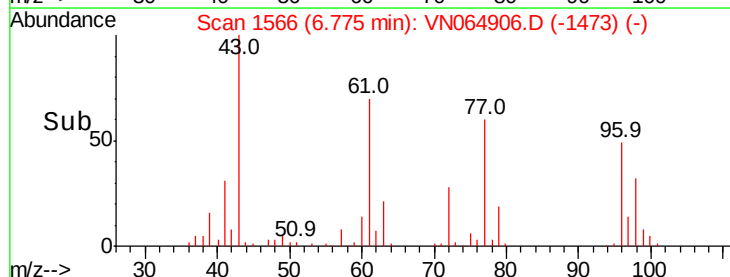
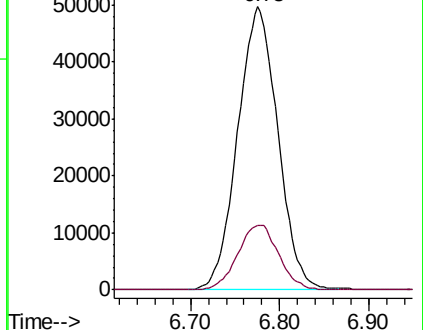
77 100

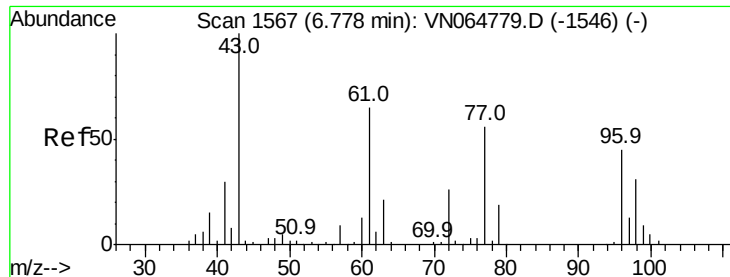
97 23.4 11.7 35.0



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: 47.597 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

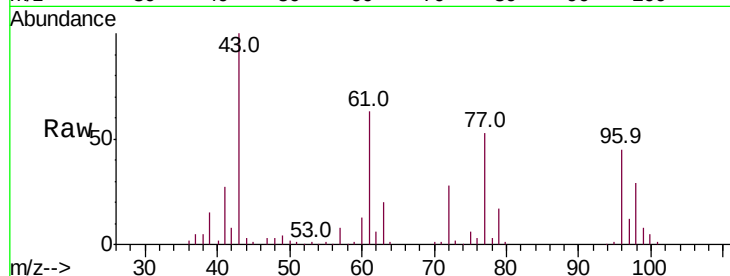
Tot Ion: 96 Resp: 119859

Ion Ratio Lower Upper

96 100

61 142.3 0.0 285.8

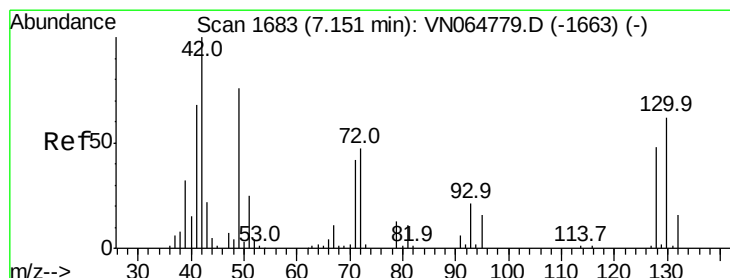
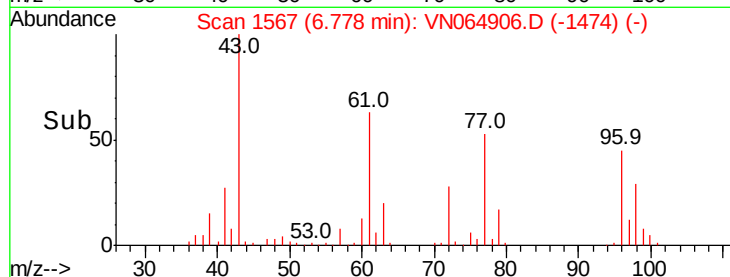
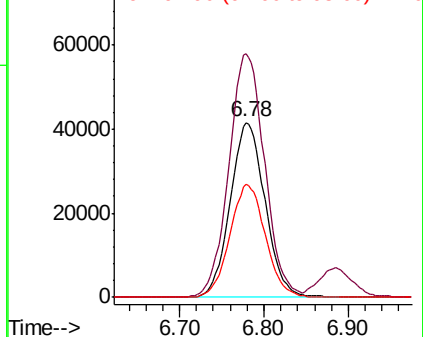
98 65.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064779.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1546) (-)



#28

Bromochloromethane

Concen: 45.677 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

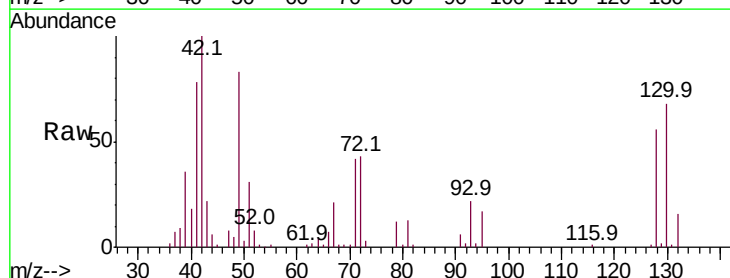
Tgt Ion: 49 Resp: 83082

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

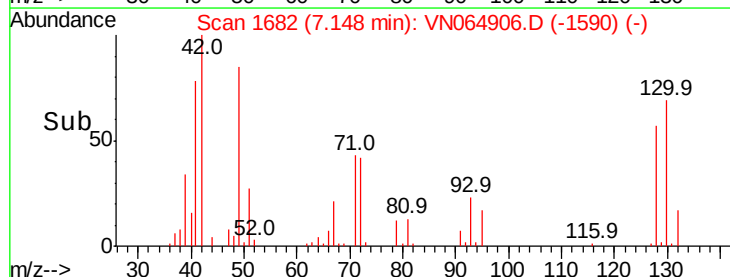
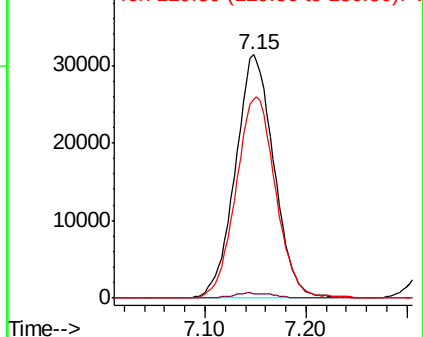
130 84.5 66.2 99.2

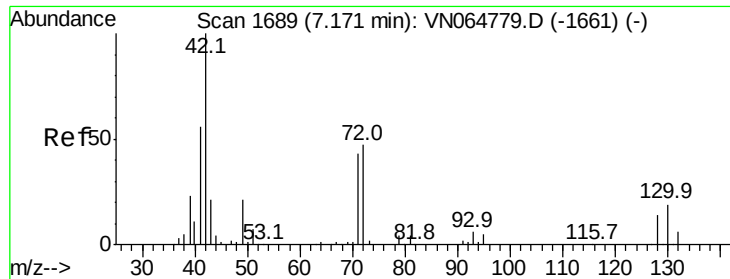


Abundance Ion 48.90 (48.60 to 49.60): VN064779.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN064779.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN064779.D (-1663) (-)

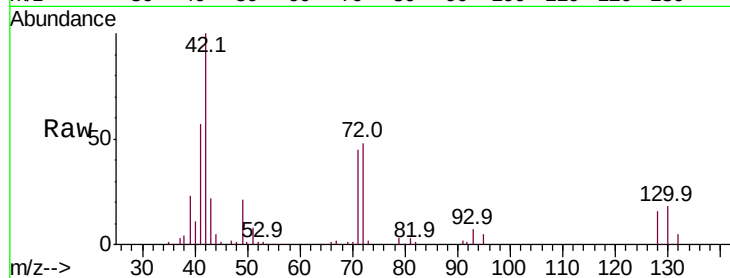




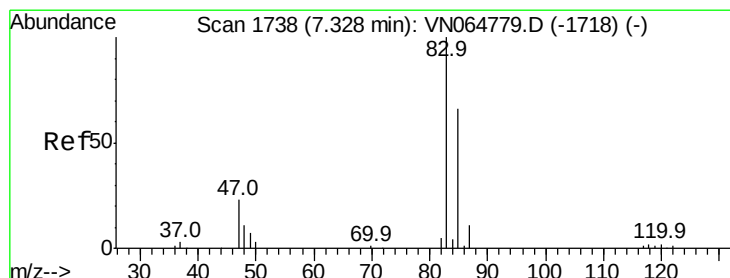
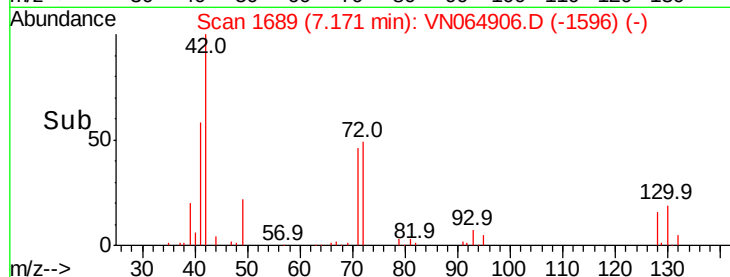
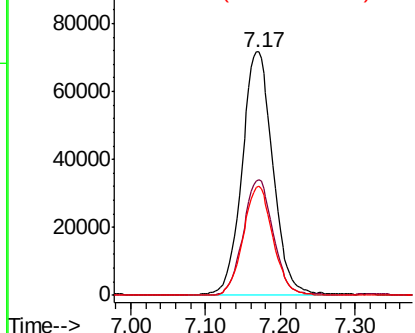
#29
Tetrahydrofuran
Concen: 231.806 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
TB-12-3-20

Tot Ion: 42 Resp: 206013
Ion Ratio Lower Upper
42 100
72 46.0 36.6 54.8
71 43.0 33.6 50.4

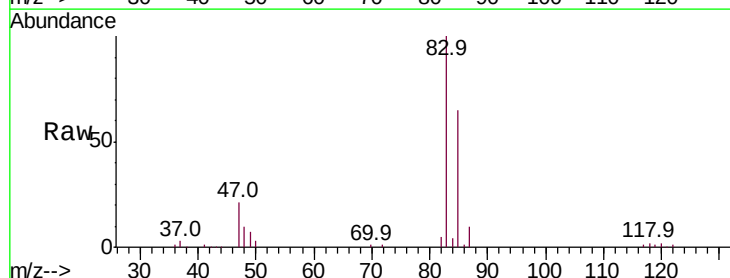


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

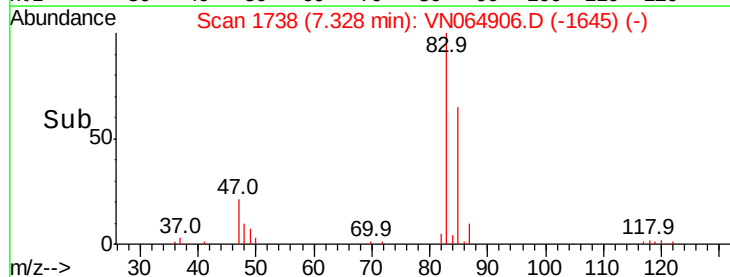
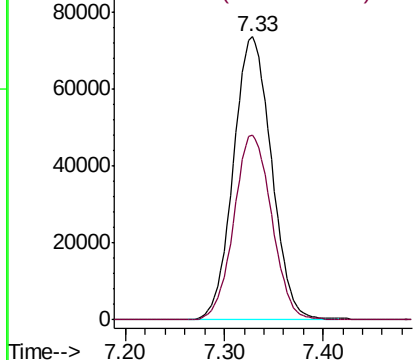


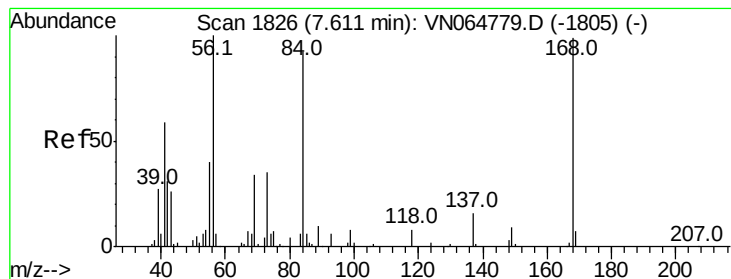
#30
Chloroform
Concen: 48.063 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 83 Resp: 197067
Ion Ratio Lower Upper
83 100
85 65.3 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 43.577 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

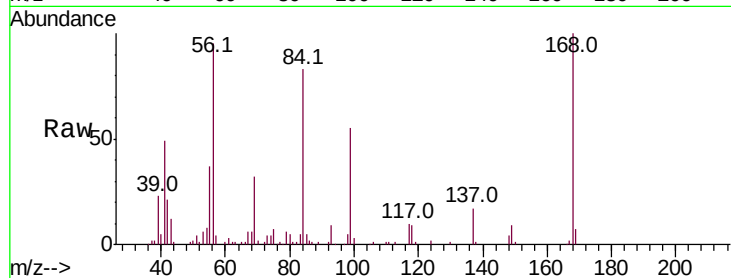
Tot Ion: 56 Resp: 146741

Ion Ratio Lower Upper

56 100

69 33.1 27.5 41.3

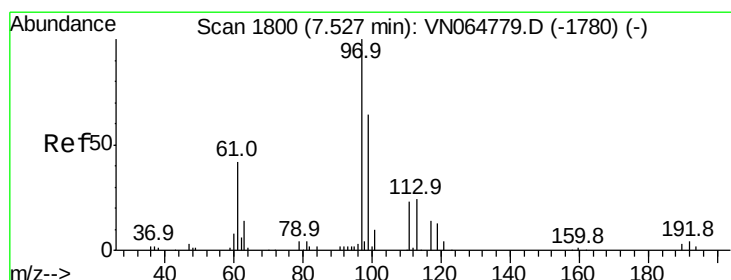
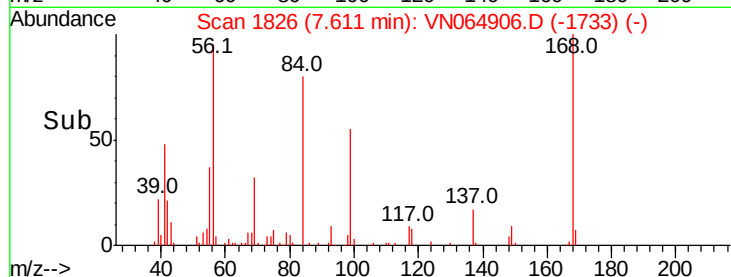
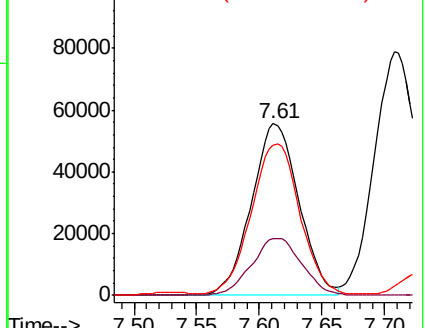
84 86.6 73.9 110.9



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: 47.213 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

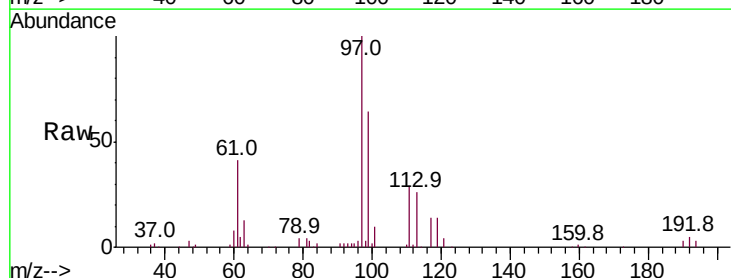
Tgt Ion: 97 Resp: 166262

Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

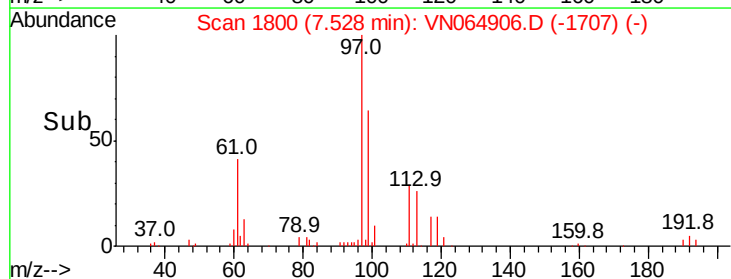
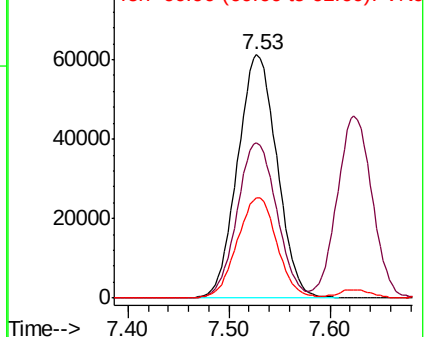
61 41.5 33.9 50.9

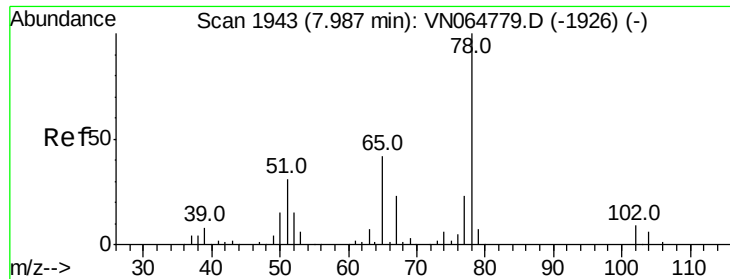


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

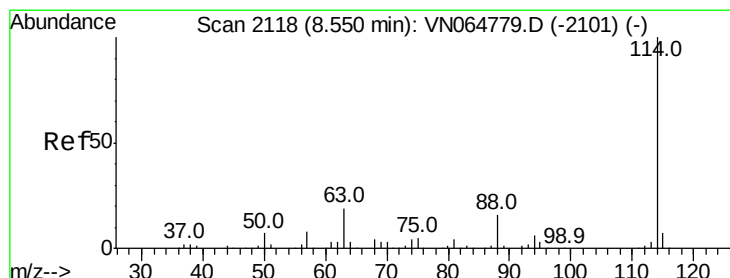
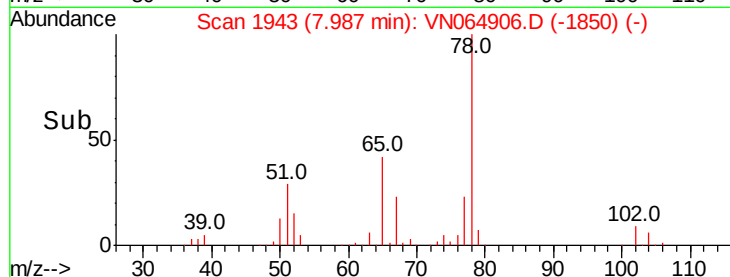
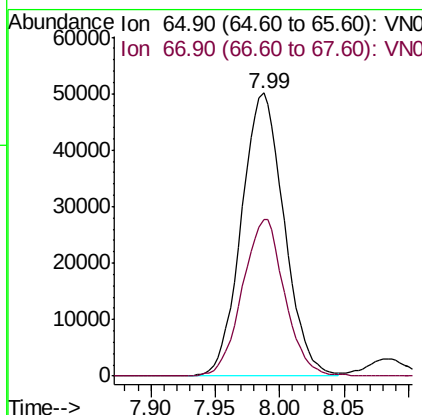
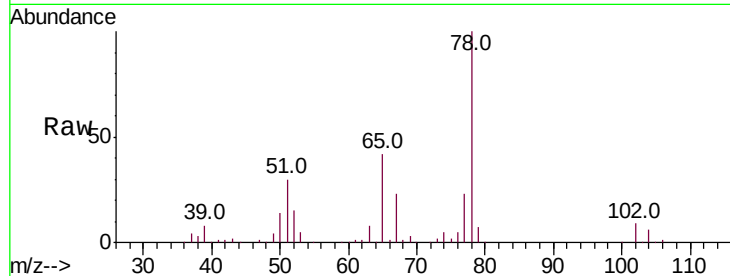




#33
 1,2-Dichloroethane-d4
 Concen: 47.804 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

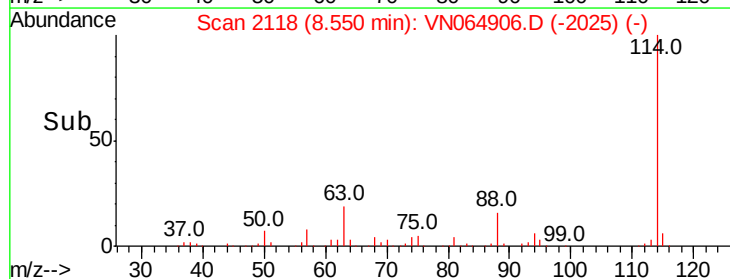
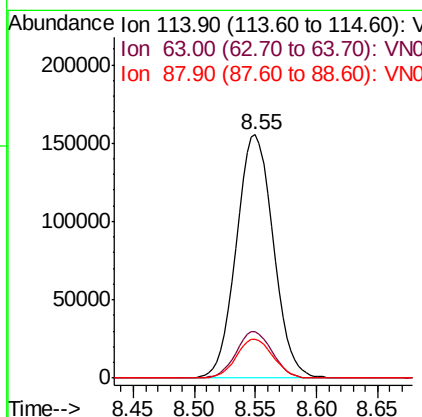
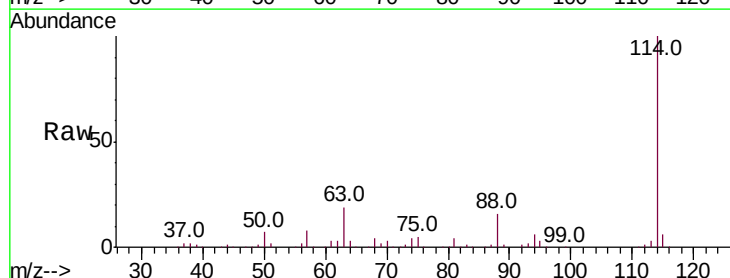
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-3-20

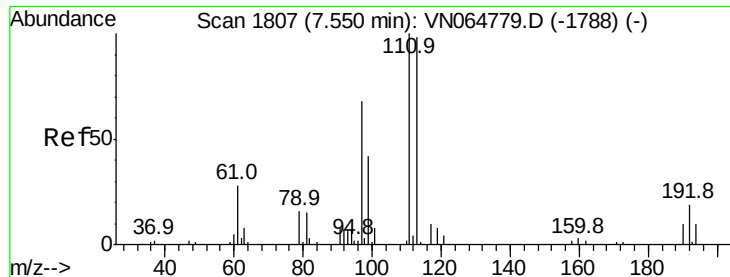
Tot Ion: 65 Resp: 115495
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 114 Resp: 325753
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.9 0.0 32.6

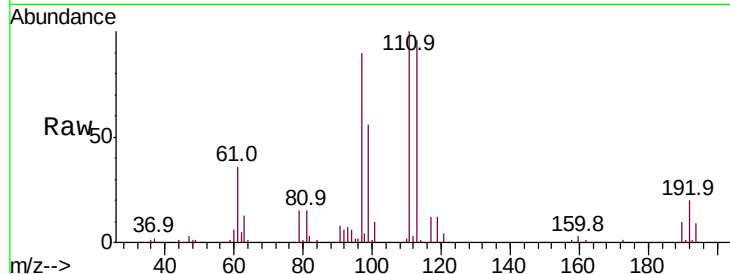




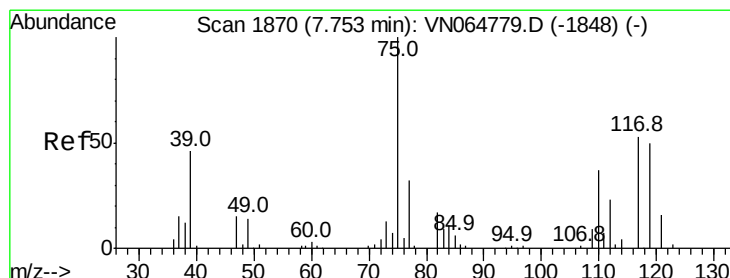
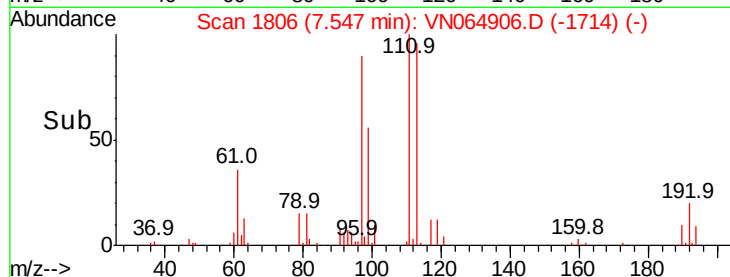
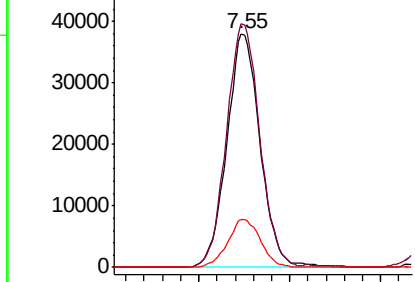
#35
 Dibromofluoromethane
 Concen: 49.453 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

Tot Ion:113 Resp: 96393
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.6 122.4
 192 20.2 16.2 24.2

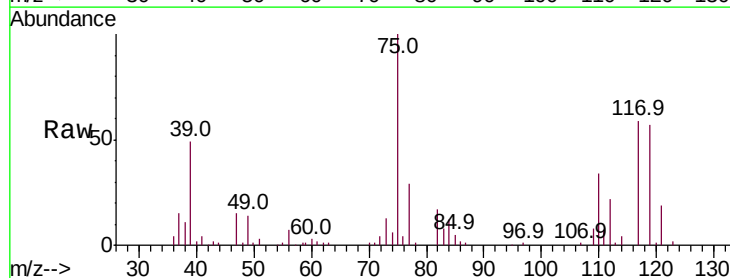


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

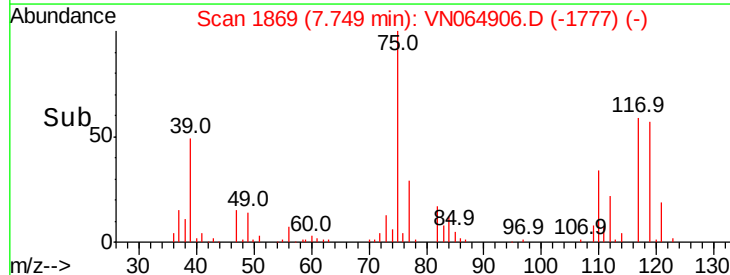
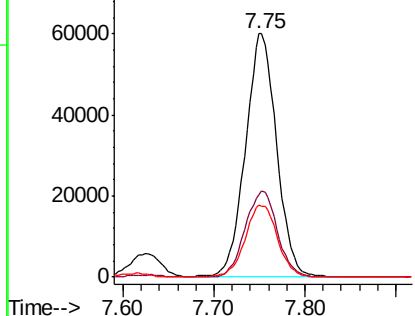


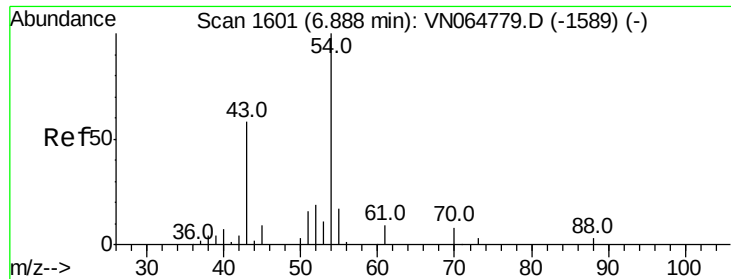
#36
 1,1-Dichloropropene
 Concen: 47.058 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 75 Resp: 142086
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.8 53.3
 77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 45.972 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. -0.00 min

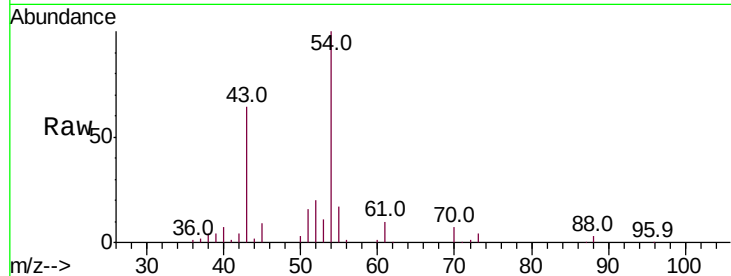
Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

Tot Ion: 43 Resp: 133708

Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.8	19.2
70	10.9	8.8	13.2

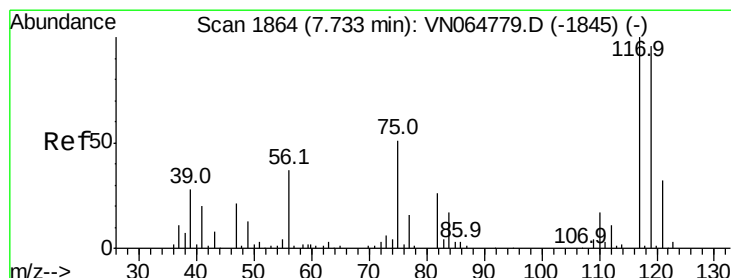
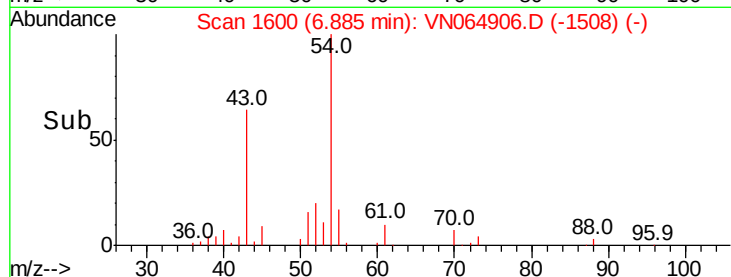
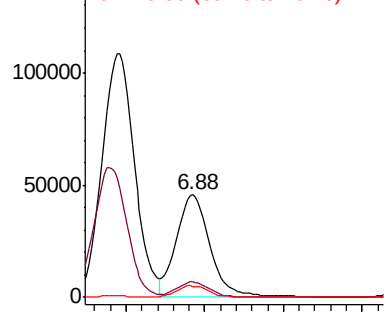


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 46.507 ug/l

RT: 7.73 min Scan# 1864

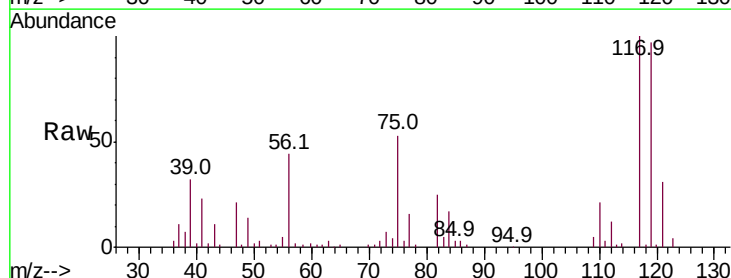
Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Tgt Ion: 117 Resp: 146111

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.7	115.1
121	30.6	25.4	38.2

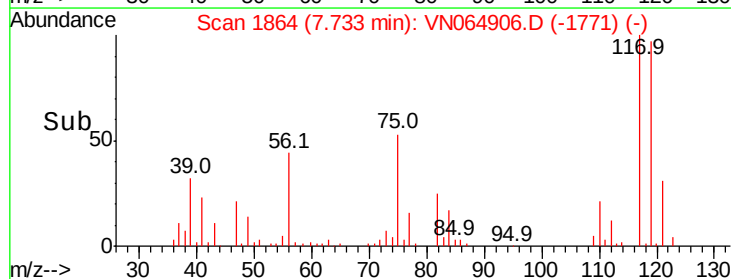
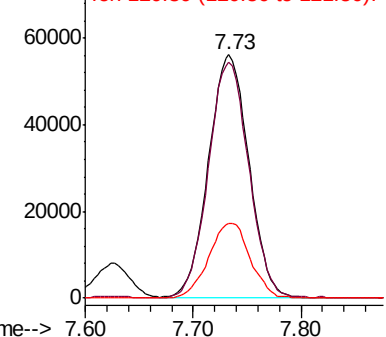


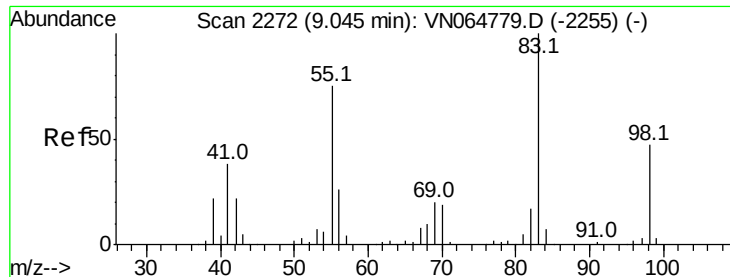
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

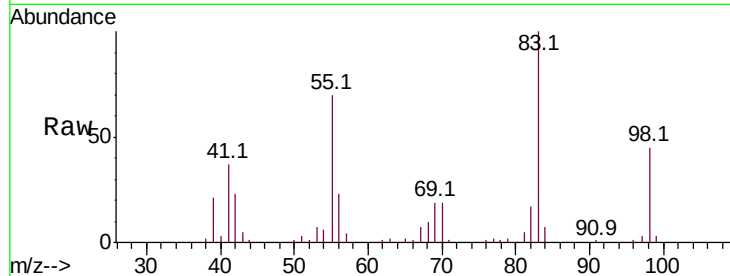




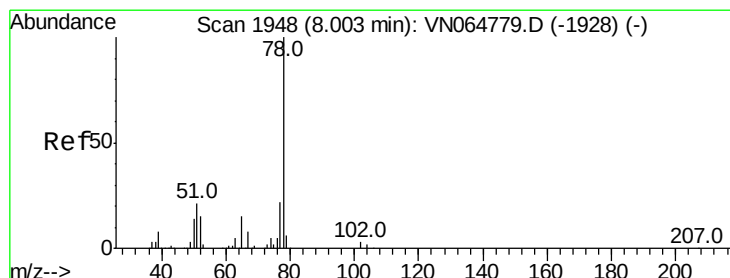
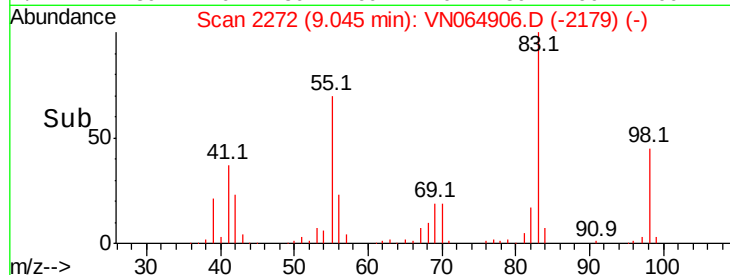
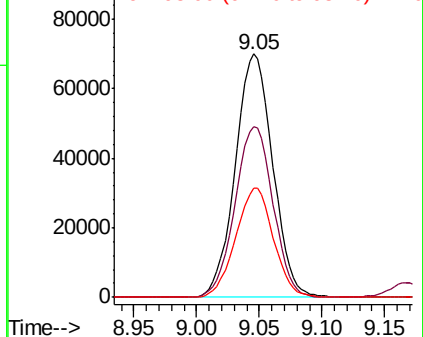
#39
Methylvlcyclohexane
Concen: 44.802 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
TB-12-3-20

Tot Ion: 83 Resp: 145626
Ion Ratio Lower Upper
83 100
55 70.4 60.2 90.2
98 44.7 37.4 56.2

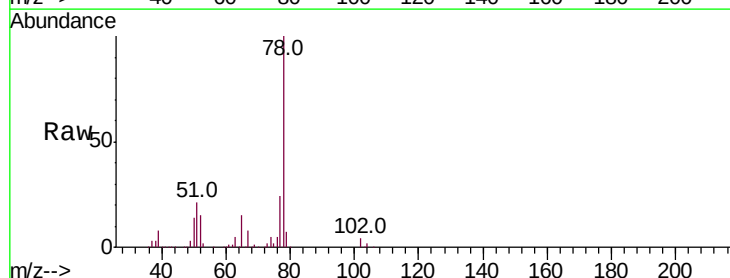


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

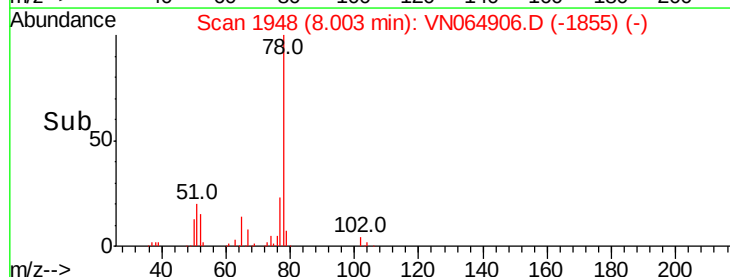
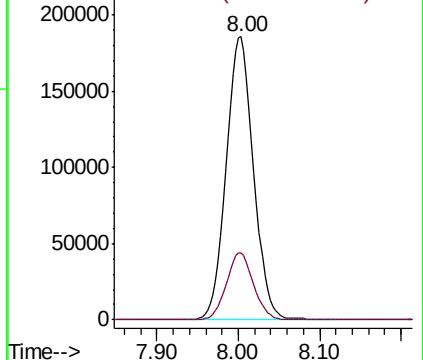


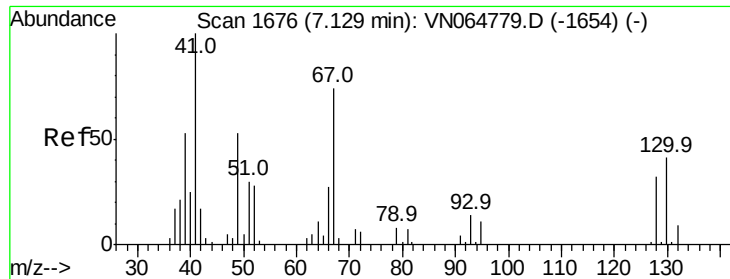
#40
Benzene
Concen: 47.168 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 78 Resp: 436421
Ion Ratio Lower Upper
78 100
77 23.5 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

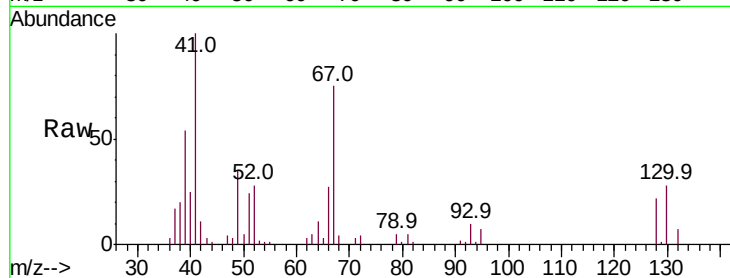




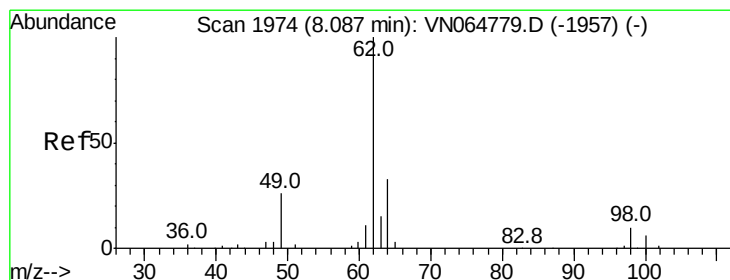
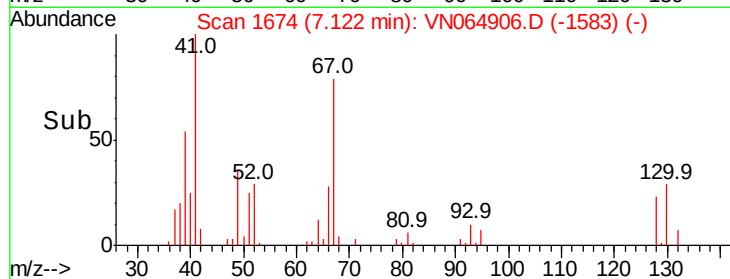
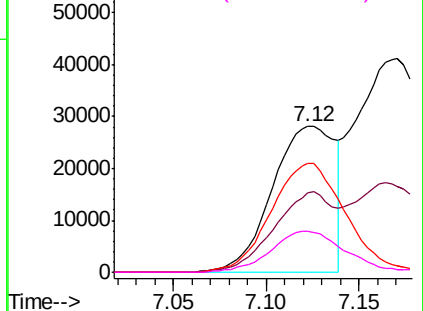
#41
Methacrylonitrile
Concen: 49.424 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

Tot Ion: 41 Resp: 66329
Ion Ratio Lower Upper
41 100
39 52.2 51.0 76.6
67 88.3 79.8 119.8
52 33.7 31.5 47.3

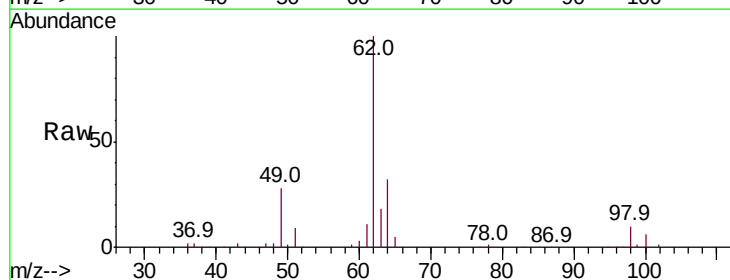


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

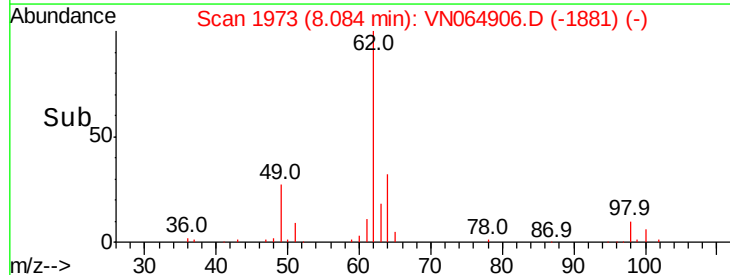
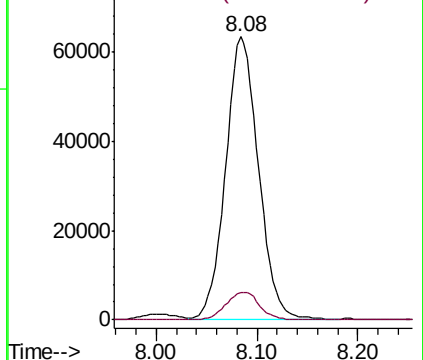


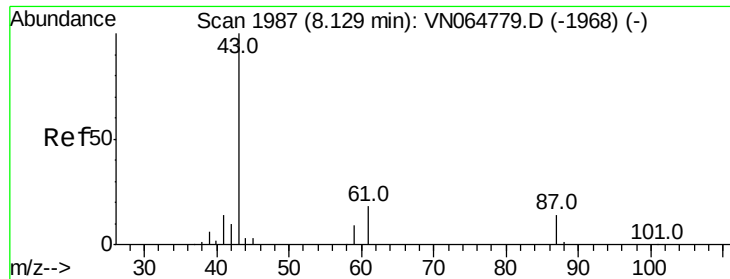
#42
1,2-Dichloroethane
Concen: 45.926 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 62 Resp: 143349
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 46.677 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

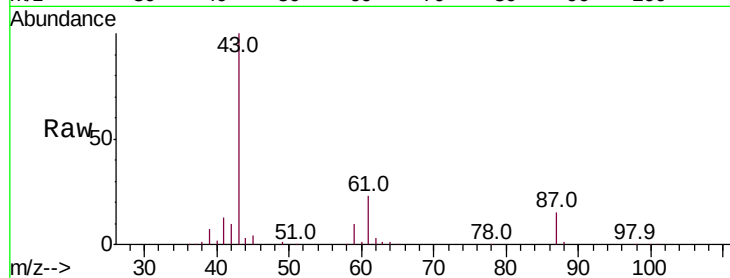
Tot Ion: 43 Resp: 218454

Ion Ratio Lower Upper

43 100

61 29.3 17.2 25.8#

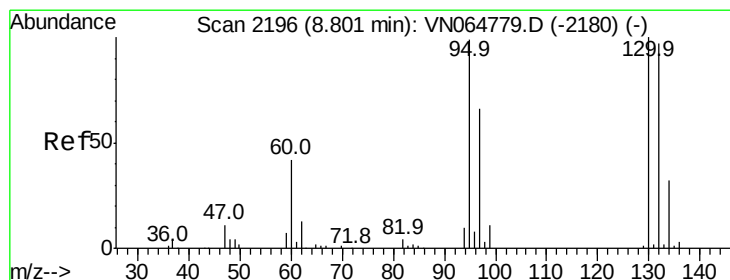
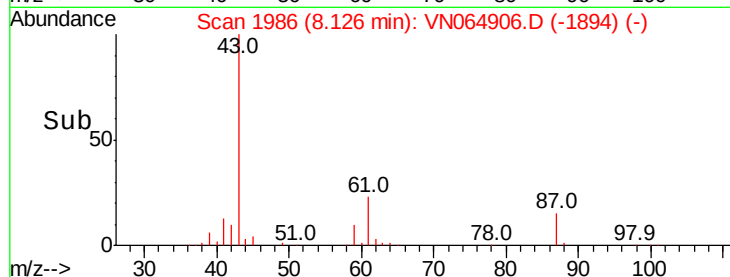
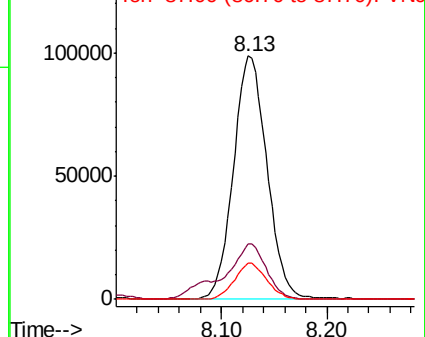
87 14.3 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



#44

Trichloroethene

Concen: 46.274 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064906.D

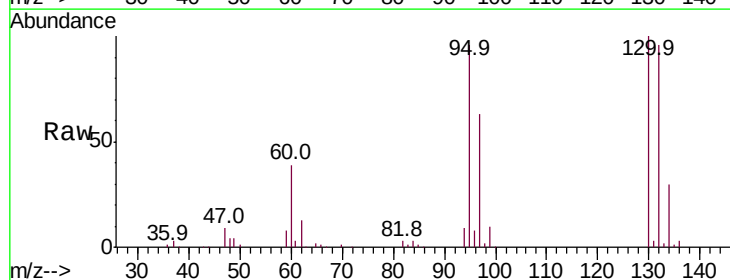
Acq: 3 Dec 2020 18:15

Tgt Ion:130 Resp: 126326

Ion Ratio Lower Upper

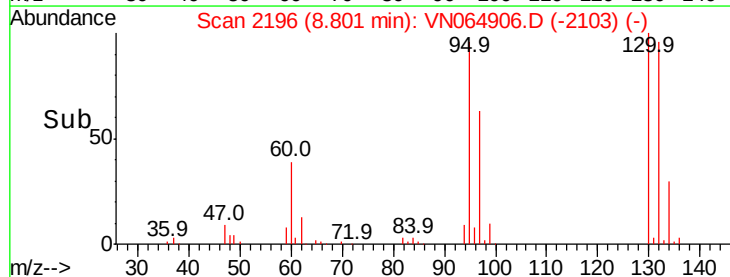
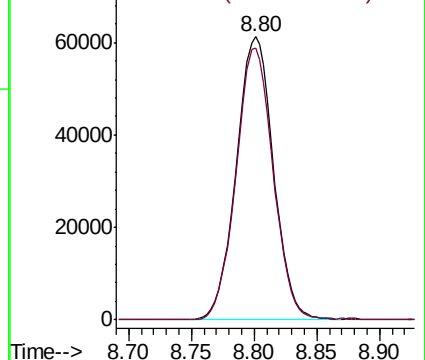
130 100

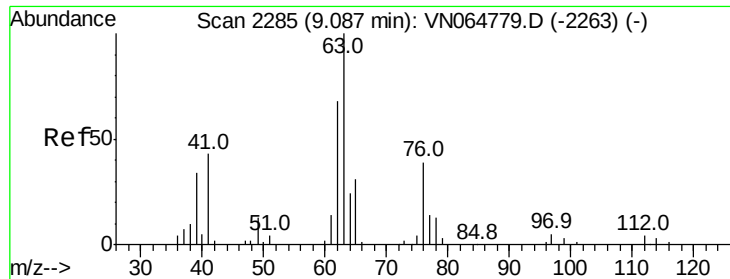
95 96.2 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)

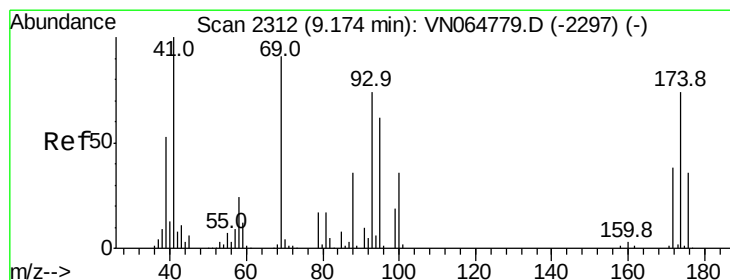
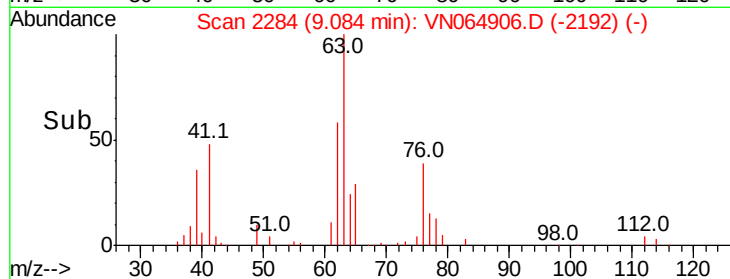
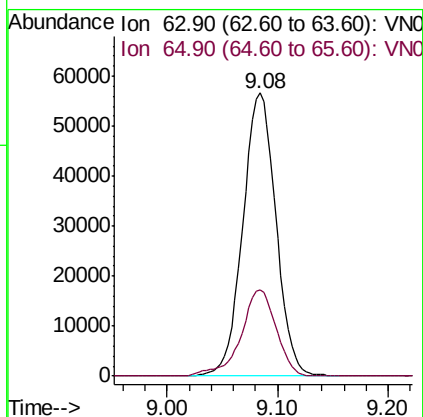
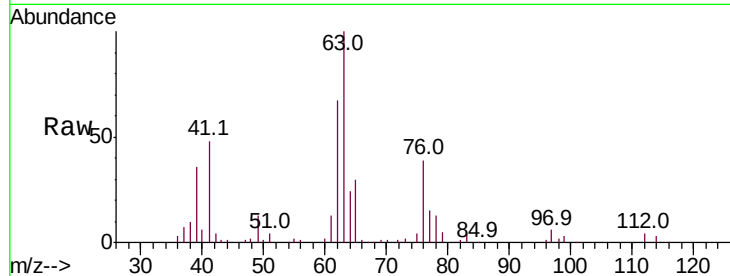




#45
 1,2-Dichloropropane
 Concen: 49.119 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

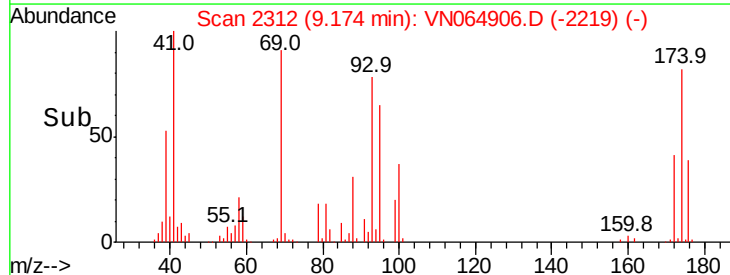
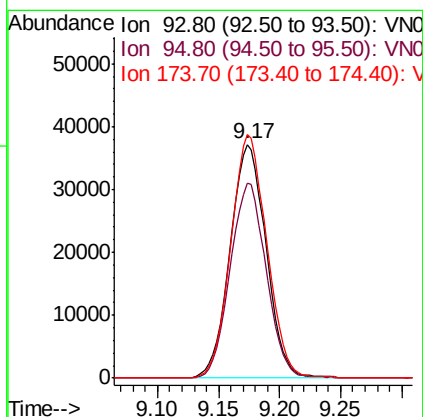
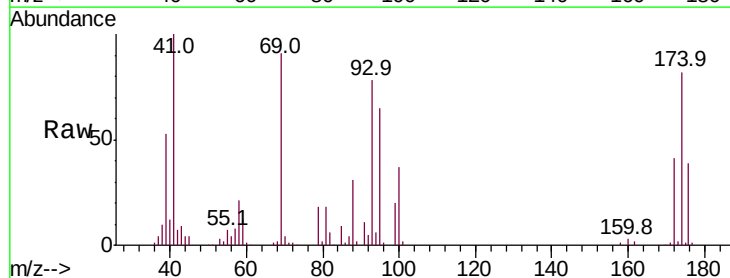
Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

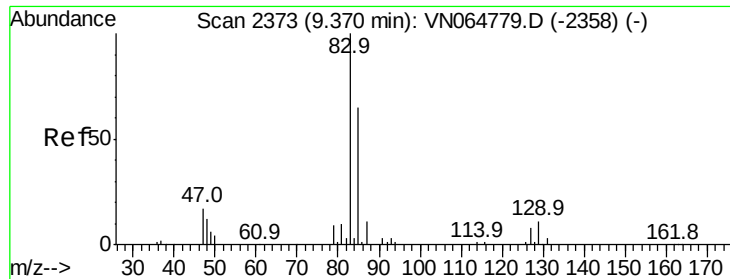
Tot Ion: 63 Resp: 117695
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 47.598 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 93 Resp: 76193
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.8 103.2
 174 103.9 83.1 124.7





#47

Bromodichloromethane

Concen: 48.400 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

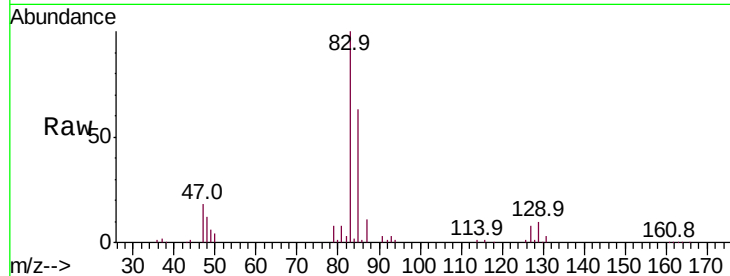
Tot Ion: 83 Resp: 155893

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.8

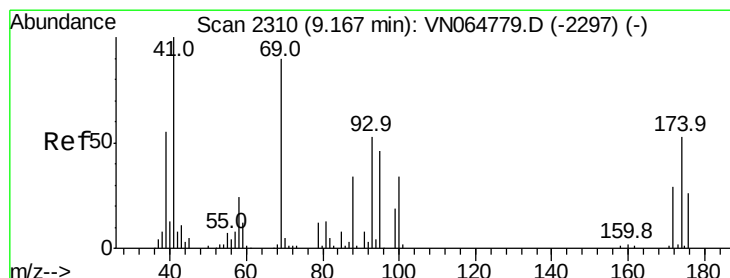
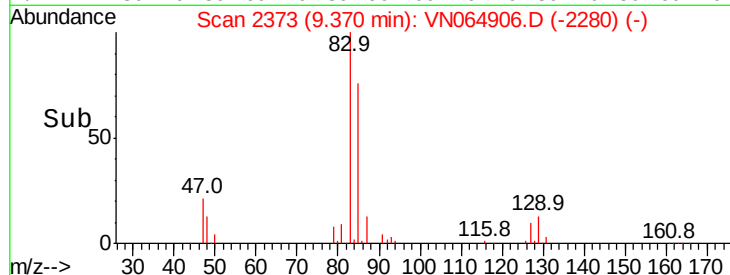
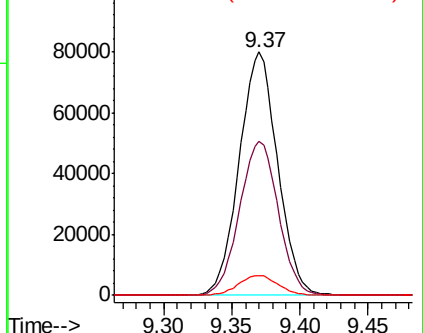
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-2358) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-2358) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2358) (-)



#48

Methyl methacrylate

Concen: 47.150 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

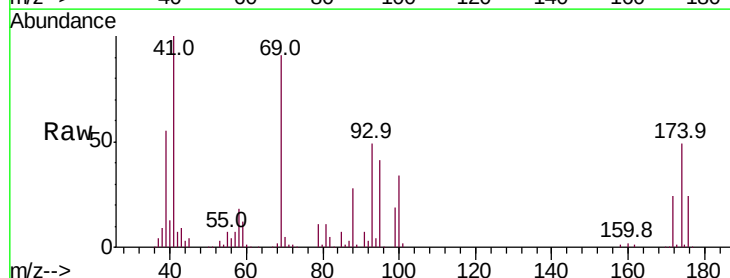
Tgt Ion: 41 Resp: 105443

Ion Ratio Lower Upper

41 100

69 92.9 71.8 107.8

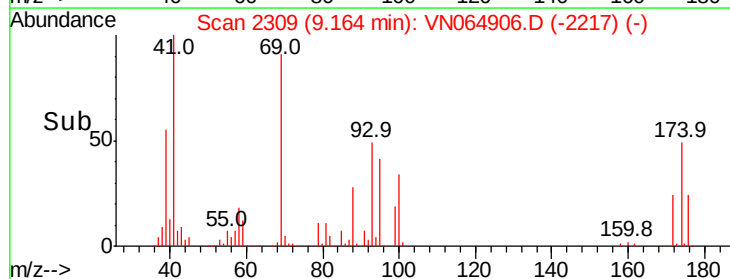
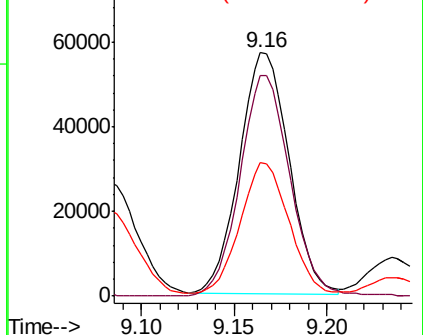
39 55.6 44.1 66.1

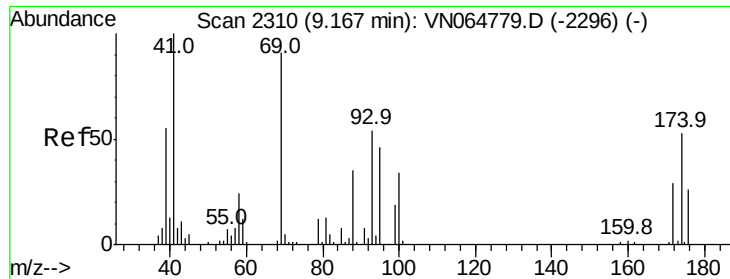


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2297) (-)





#49

1,4-Dioxane

Concen: 800.172 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

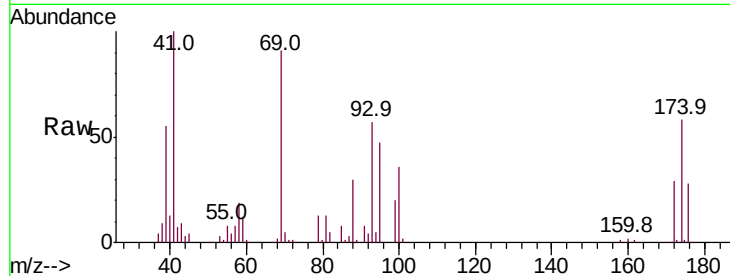
Tot Ion: 88 Resp: 33821

Ion Ratio Lower Upper

88 100

43 31.8 24.2 36.4

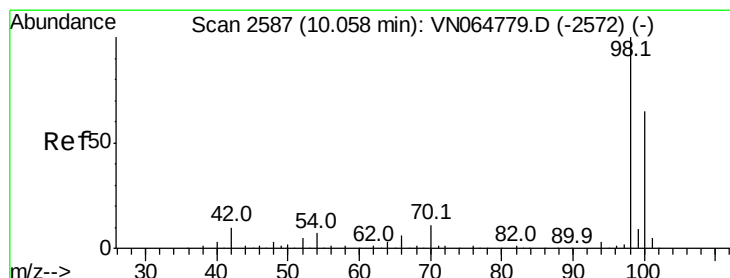
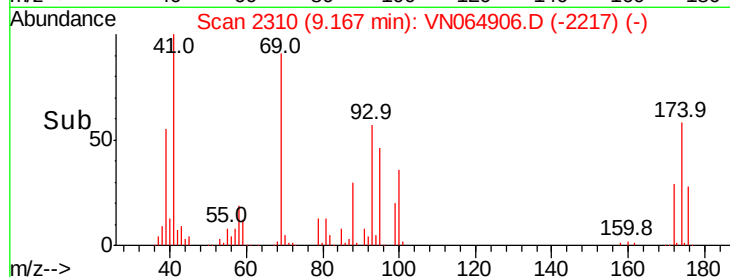
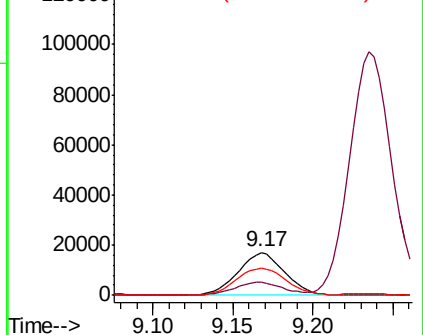
58 68.4 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN064779.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN064779.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2296) (-)



#50

Toluene-d8

Concen: 48.793 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064906.D

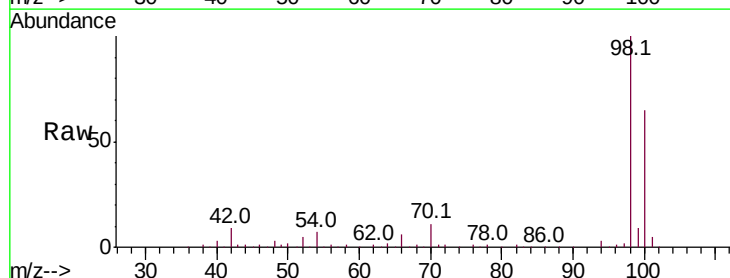
Acq: 3 Dec 2020 18:15

Tgt Ion: 98 Resp: 388603

Ion Ratio Lower Upper

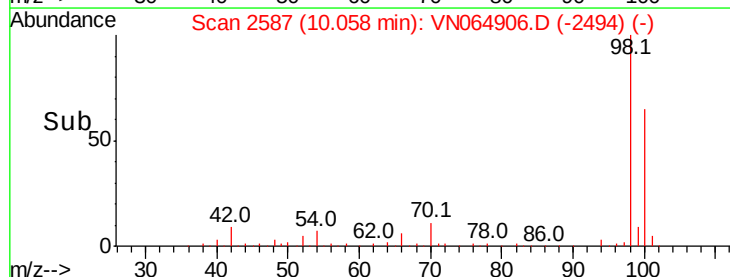
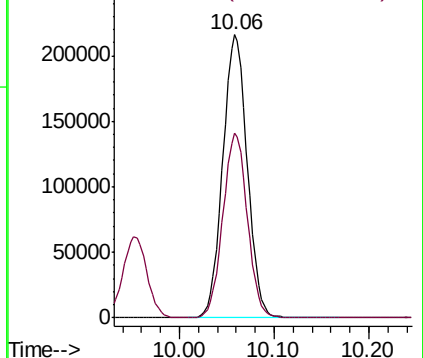
98 100

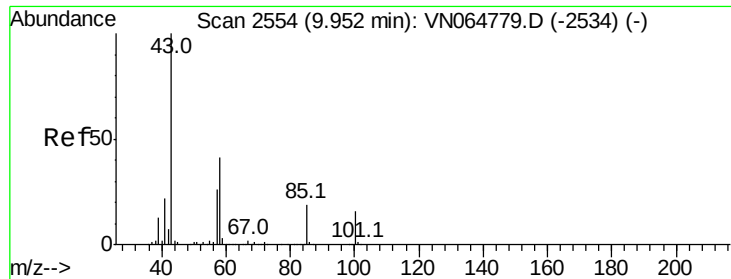
100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

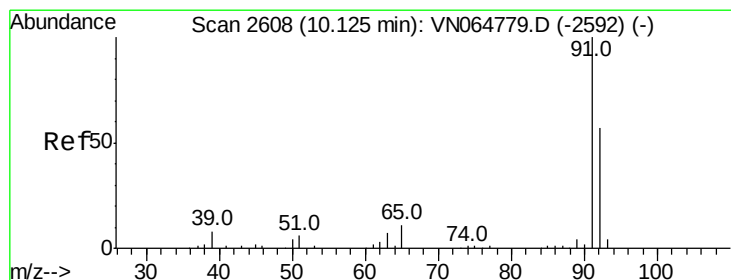
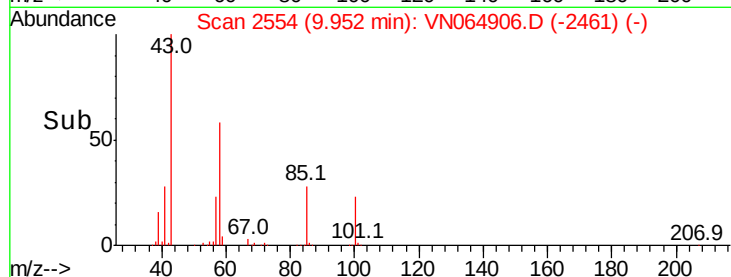
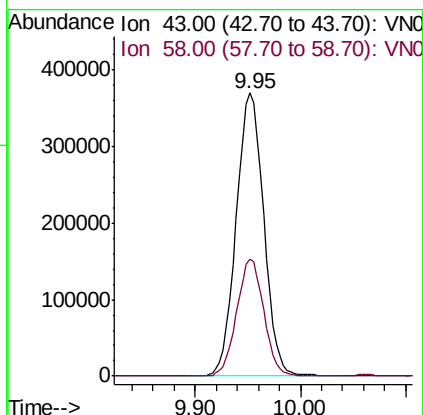
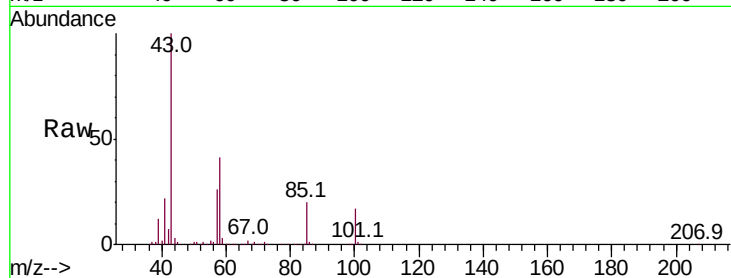




#51
 4-Methyl-2-Pentanone
 Concen: 238.361 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

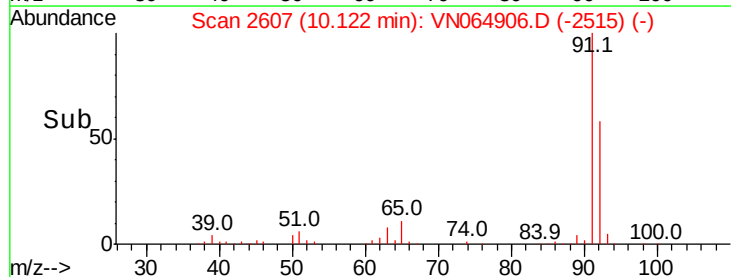
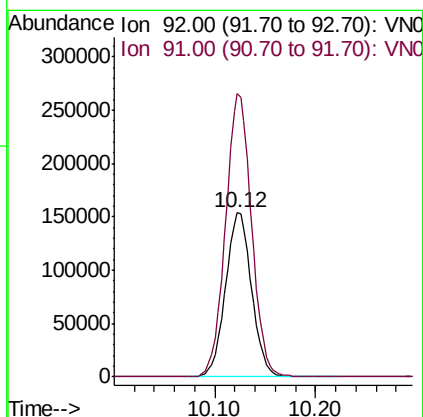
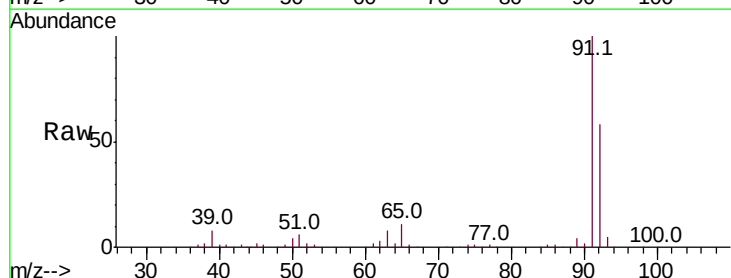
Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

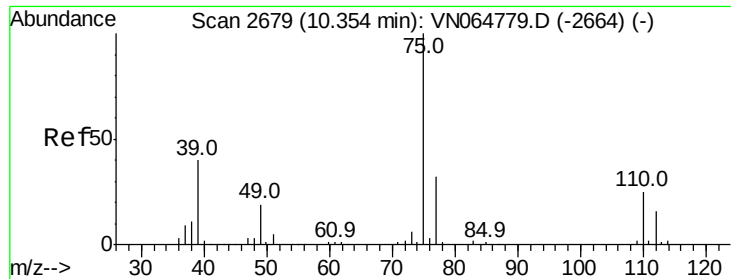
Tot Ion: 43 Resp: 669722
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6



#52
 Toluene
 Concen: 48.711 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 92 Resp: 277560
 Ion Ratio Lower Upper
 92 100
 91 171.9 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 48.020 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

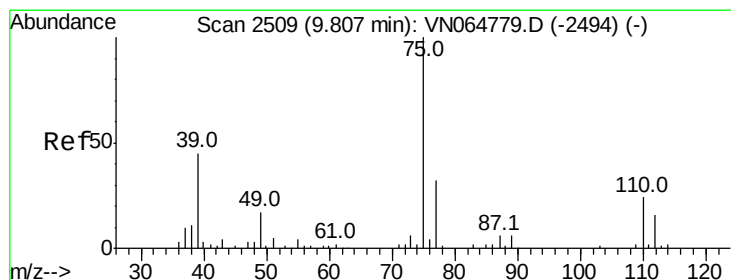
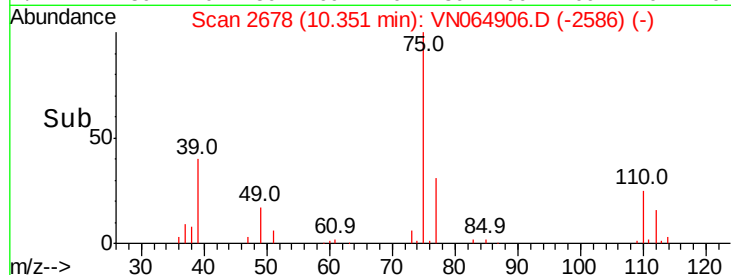
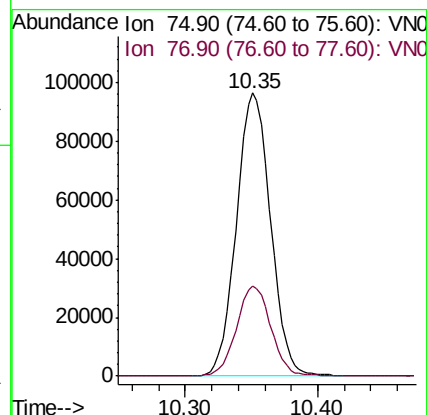
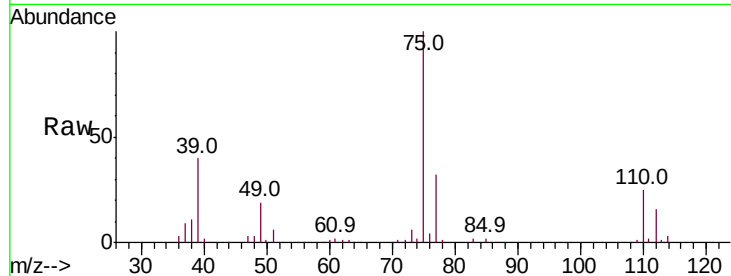
TB-12-3-20

Tot Ion: 75 Resp: 172270

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 48.785 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

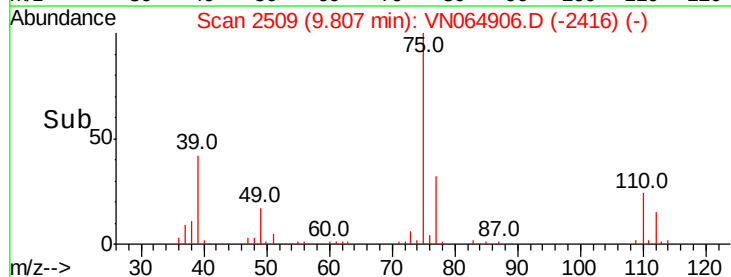
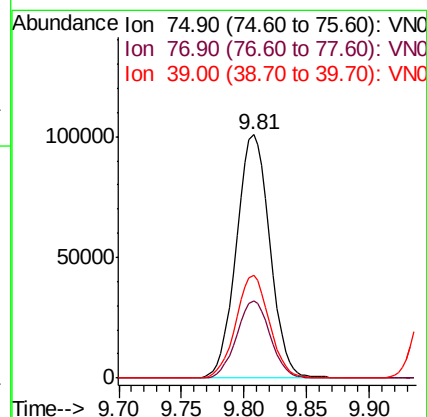
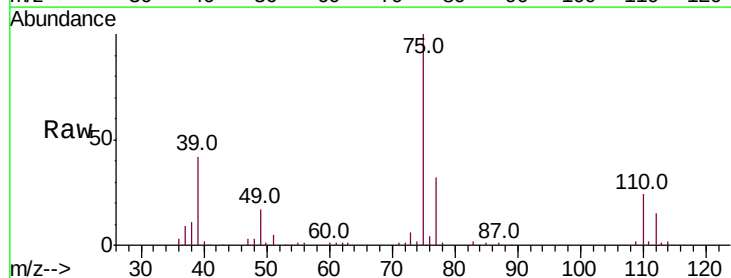
Tgt Ion: 75 Resp: 187592

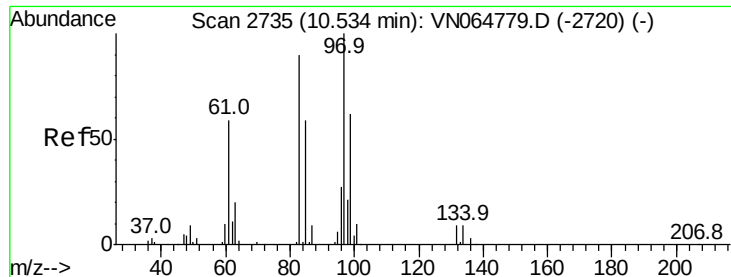
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 42.2 35.6 53.4



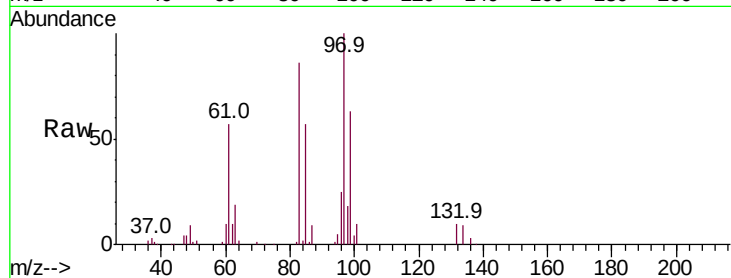


#55
 1,1,2-Trichloroethane
 Concen: 47.865 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

Tot Ion: 97 Resp: 112154

Ion	Ratio	Lower	Upper
97	100		
83	85.7	72.1	108.1
85	57.0	46.8	70.2
99	62.5	49.6	74.4



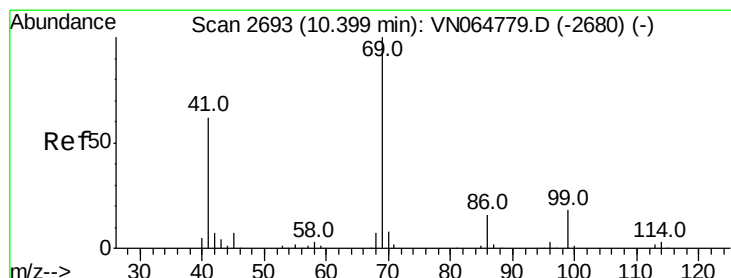
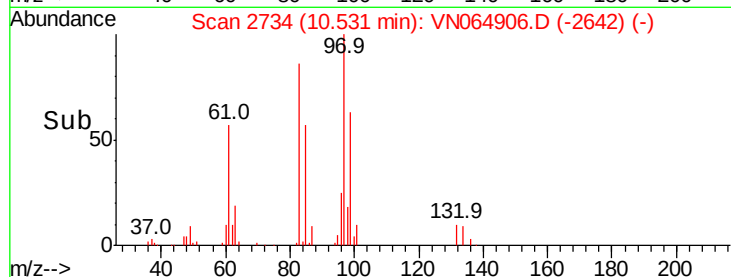
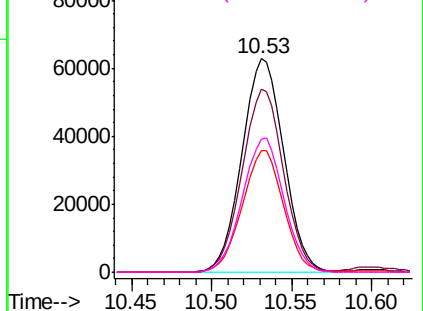
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

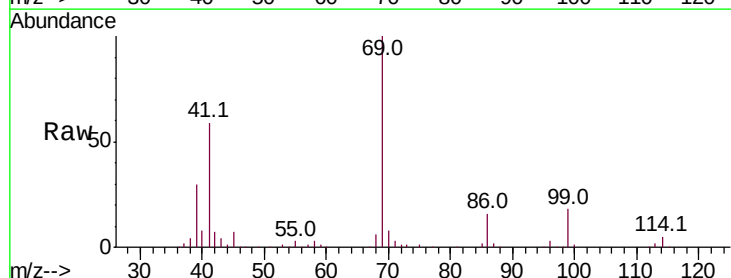
Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 50.243 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 69 Resp: 162455

Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.0
39	31.4	25.9	38.9

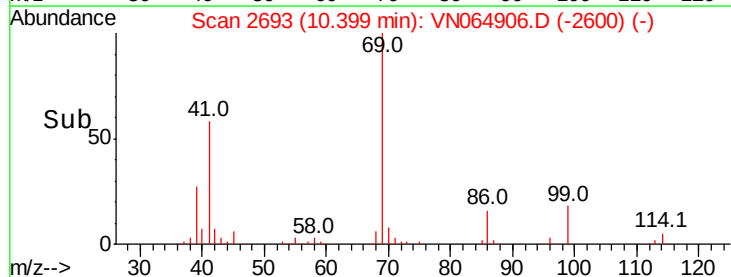
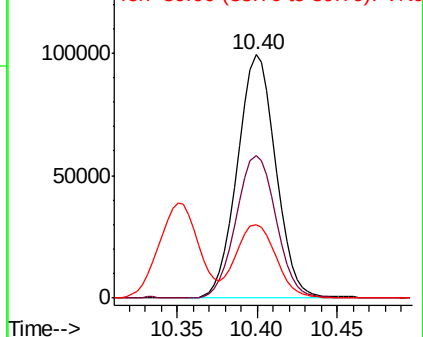


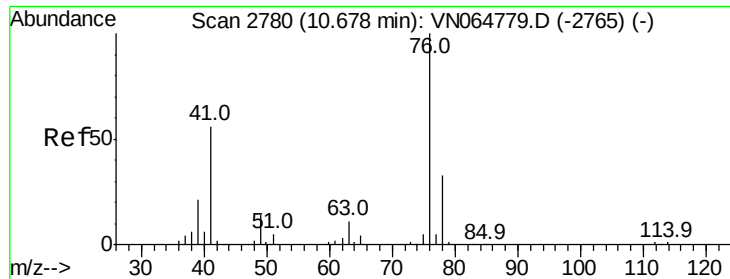
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

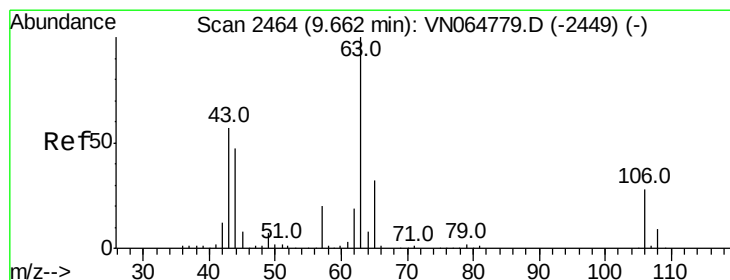
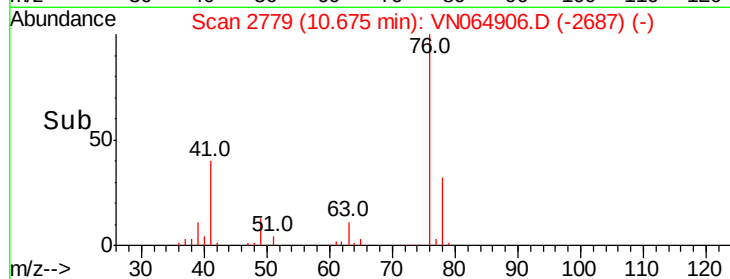
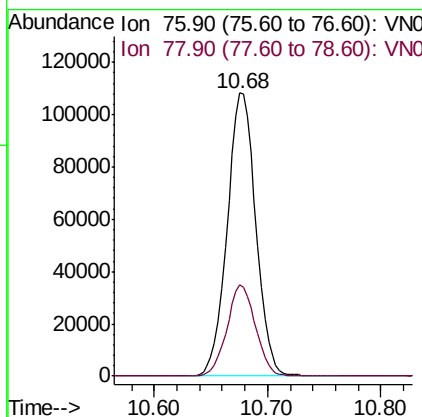
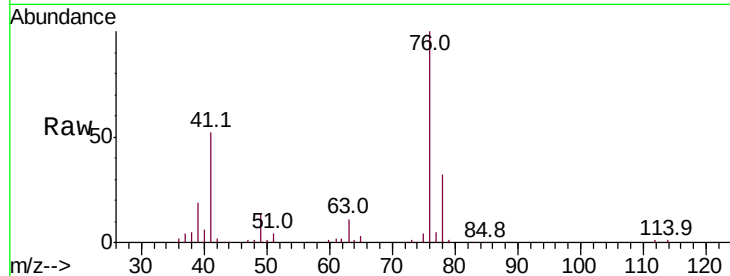




#57
 1,3-Dichloropropane
 Concen: 49.333 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

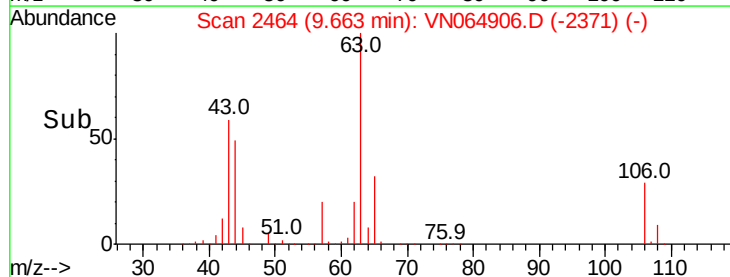
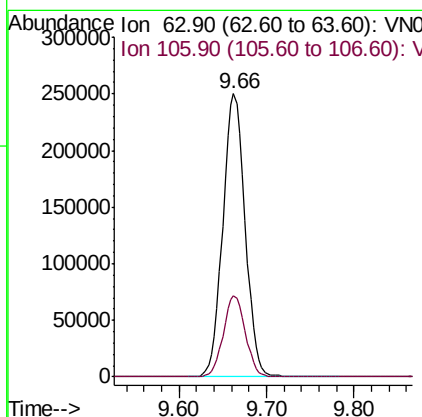
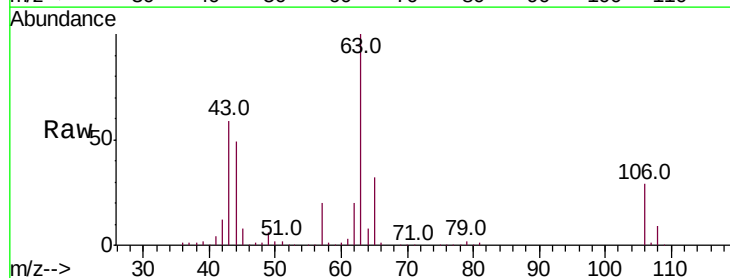
Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

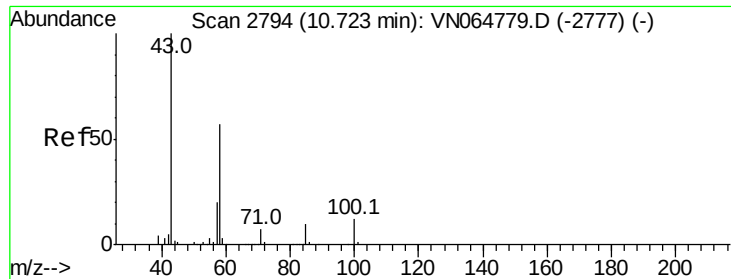
Tot Ion: 76 Resp: 190677
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.454 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 63 Resp: 443677
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1

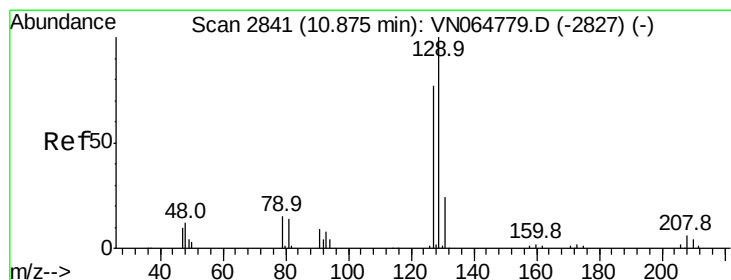
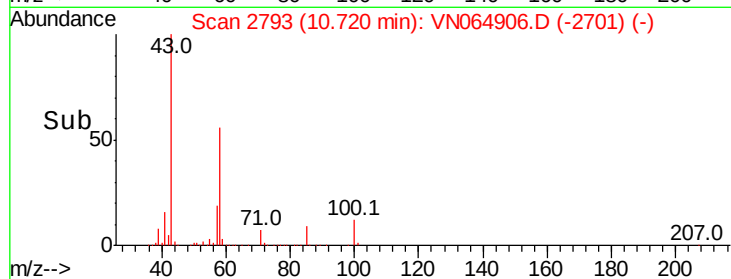
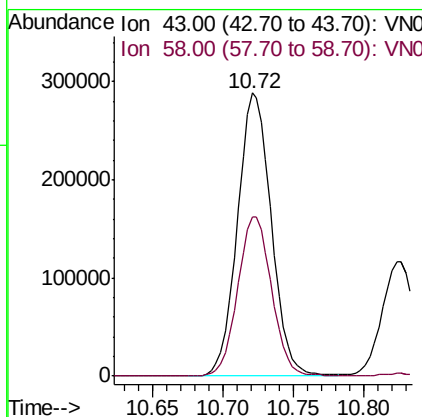
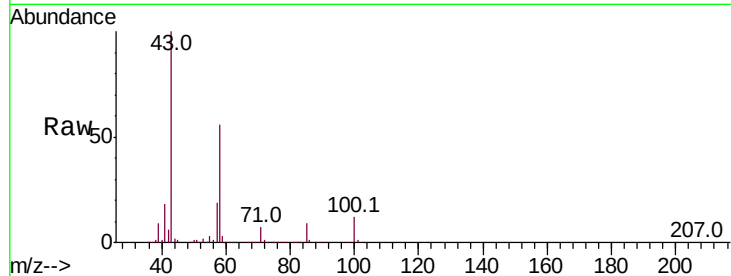




#59
2-Hexanone
Concen: 239.438 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

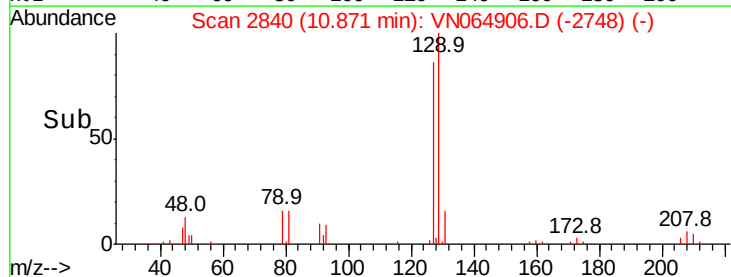
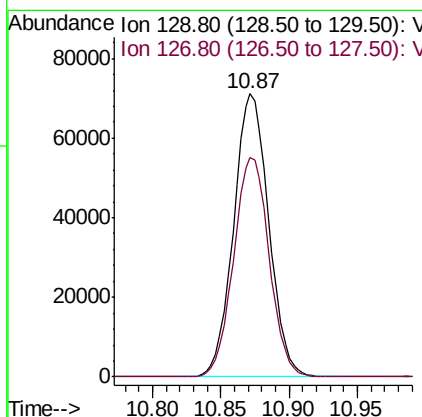
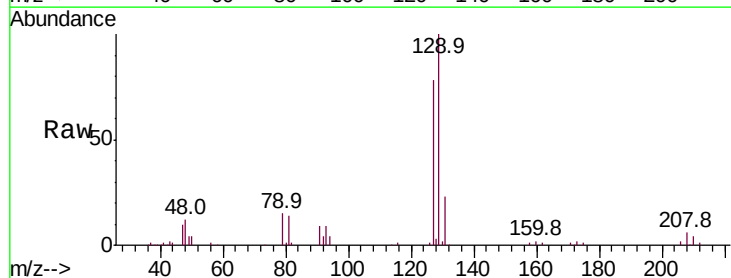
Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

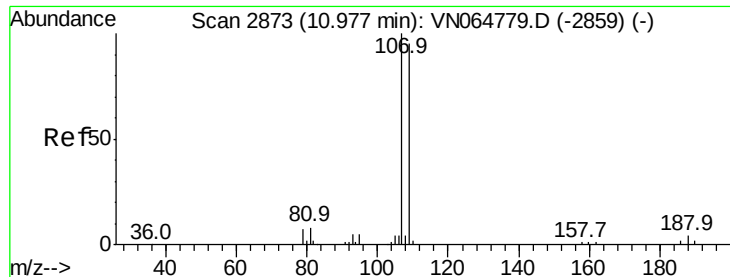
Tot Ion: 43 Resp: 484167
Ion Ratio Lower Upper
43 100
58 56.7 28.3 84.9



#60
Dibromochloromethane
Concen: 48.720 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 129 Resp: 126895
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2

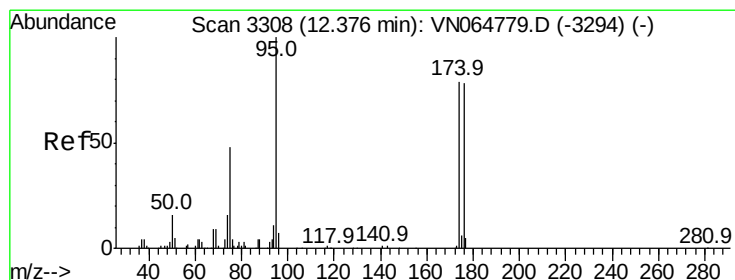
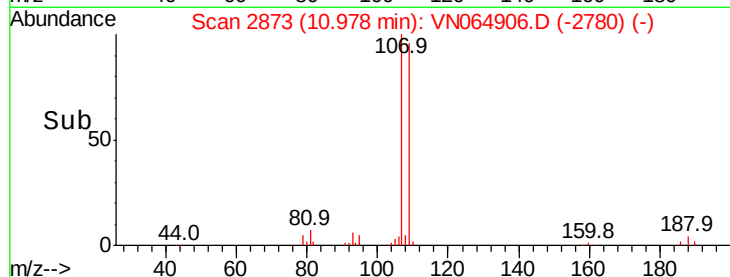
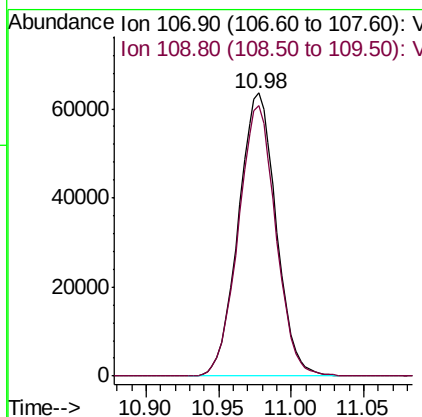
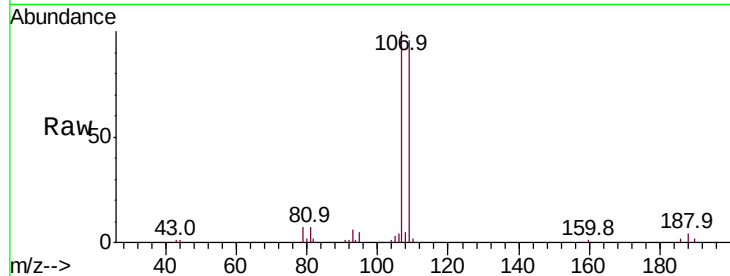




#61
 1,2-Dibromoethane
 Concen: 48.247 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

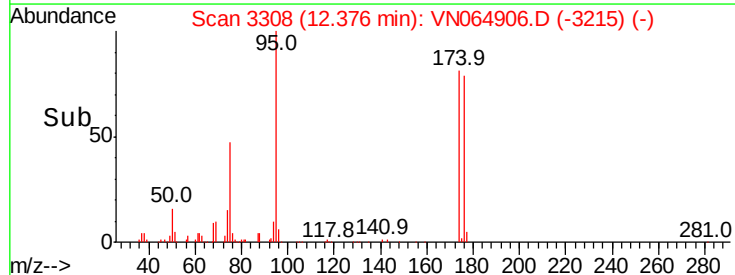
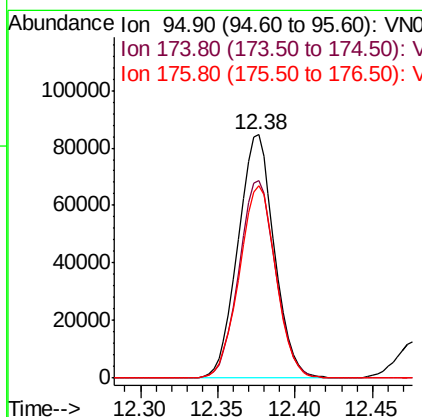
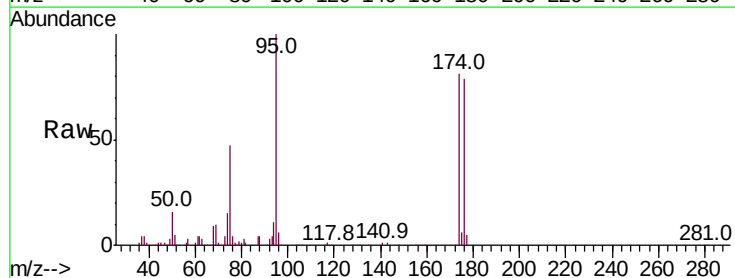
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-3-20

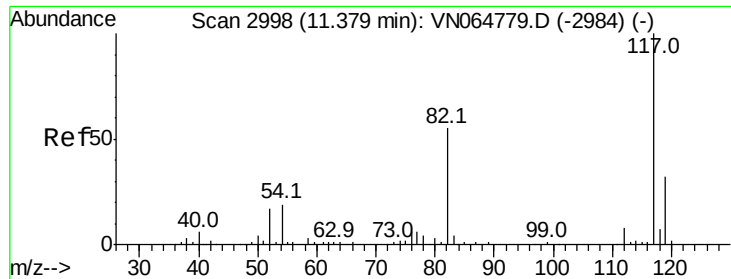
Tot Ion:107 Resp: 114854
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 48.490 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion: 95 Resp: 138209
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 160.4
 176 79.7 0.0 158.4

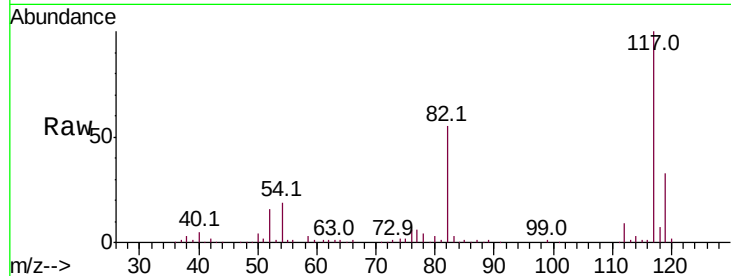




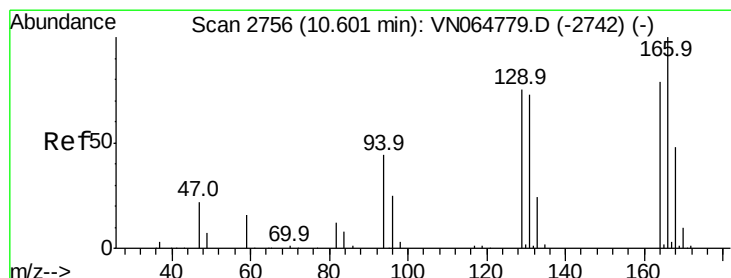
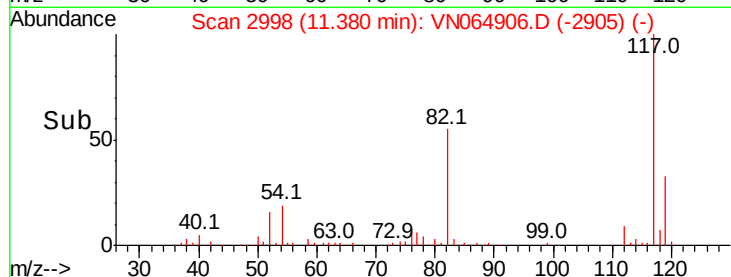
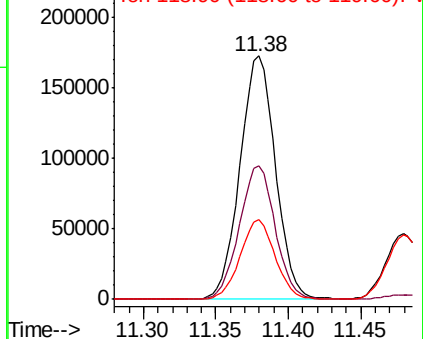
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

Tot Ion:117 Resp: 294415
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.6 25.8 38.6

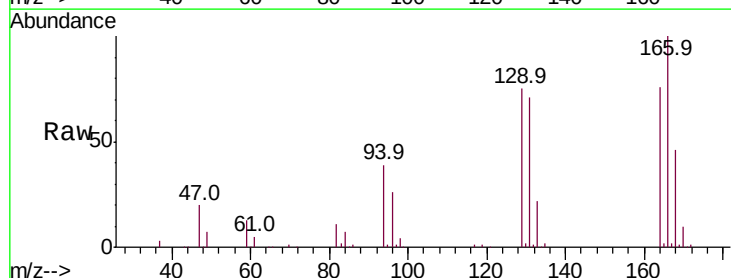


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

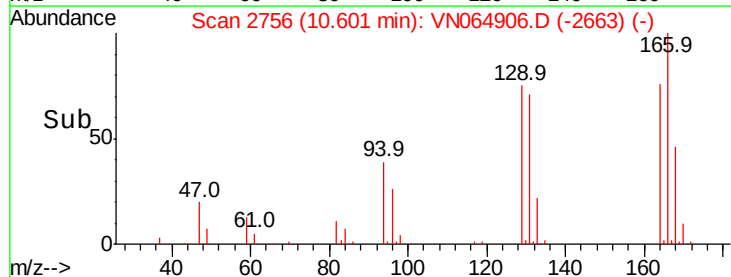
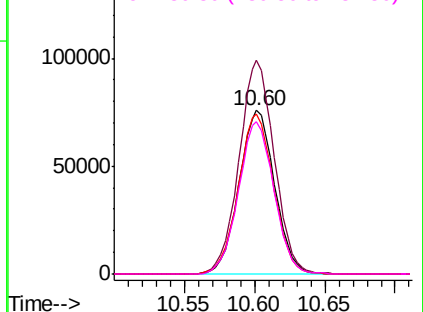


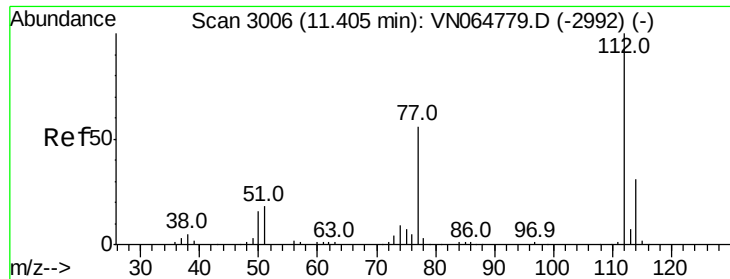
#64
Tetrachloroethene
Concen: 46.855 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion:164 Resp: 134209
Ion Ratio Lower Upper
164 100
166 130.8 101.4 152.0
129 97.7 76.1 114.1
131 93.4 74.2 111.2



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

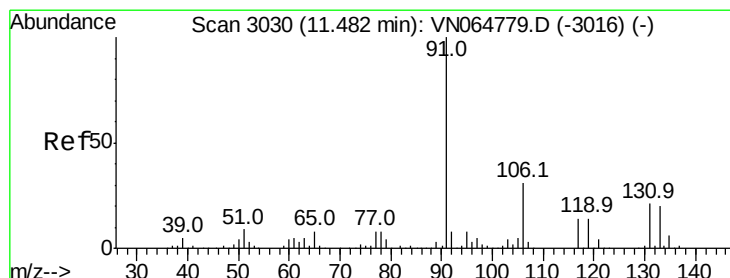
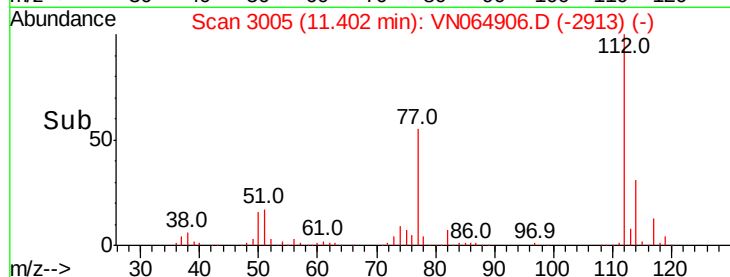
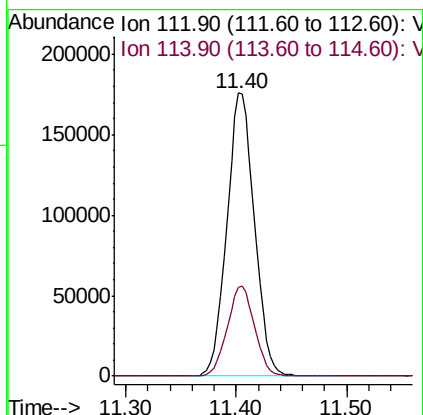
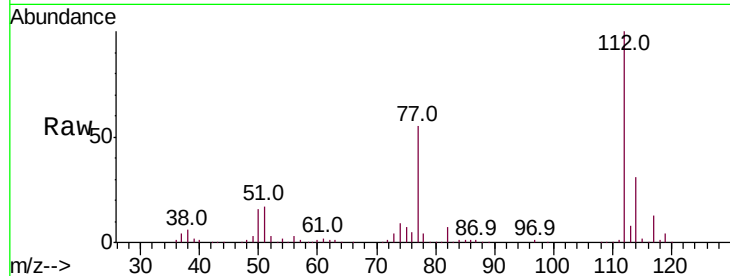




#65
Chlorobenzene
Concen: 48.136 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

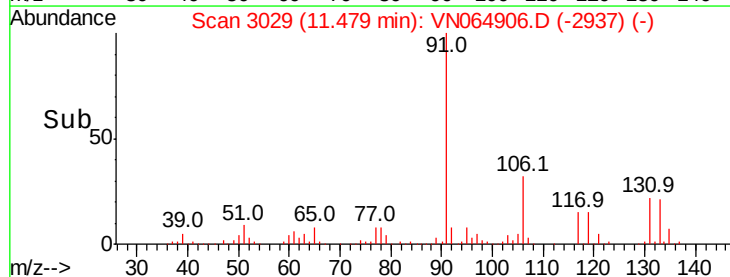
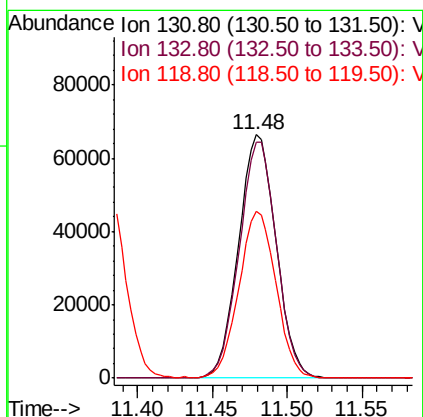
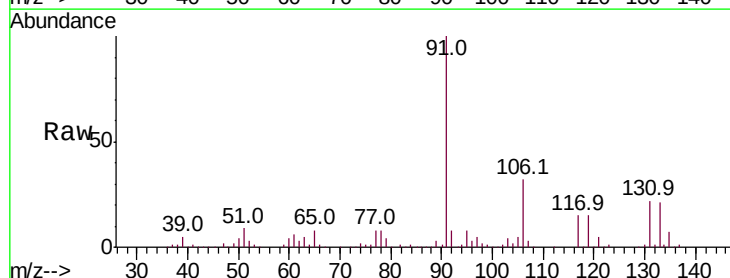
Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

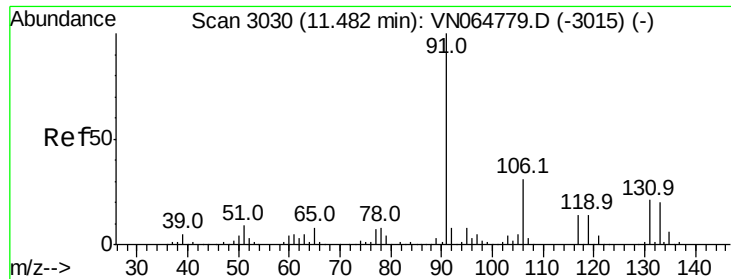
Tot Ion:112 Resp: 304341
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.803 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion:131 Resp: 115719
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.5
119 67.8 33.3 99.8

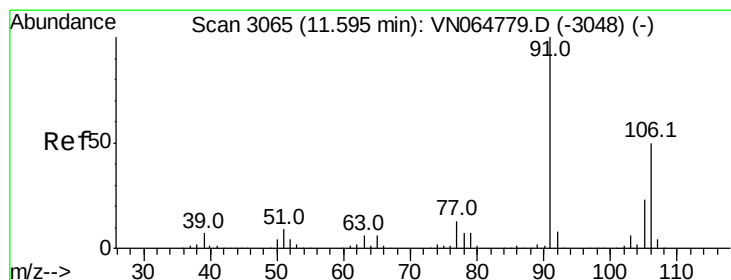
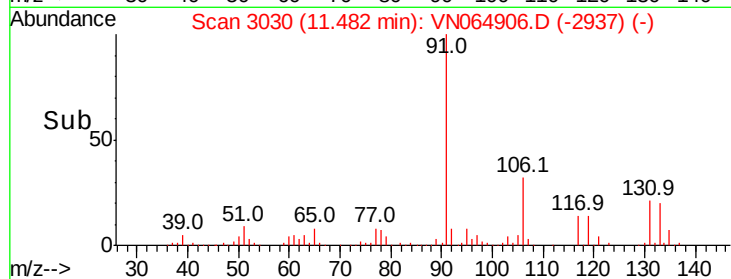
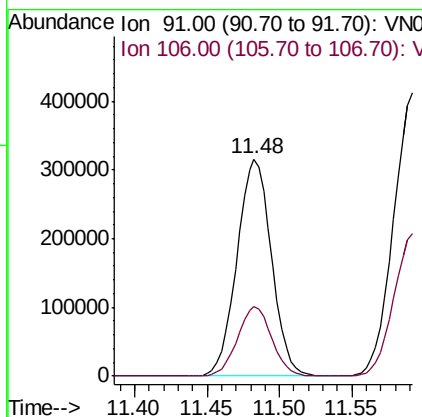
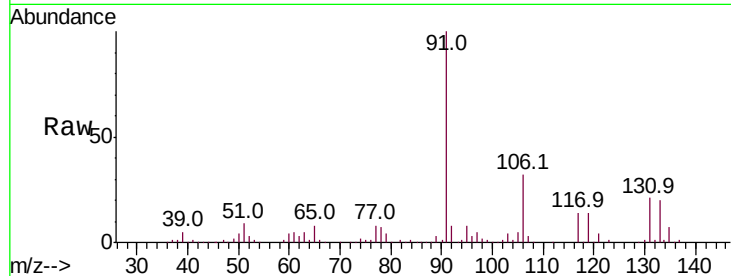




#67
Ethyl Benzene
Concen: 49.355 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

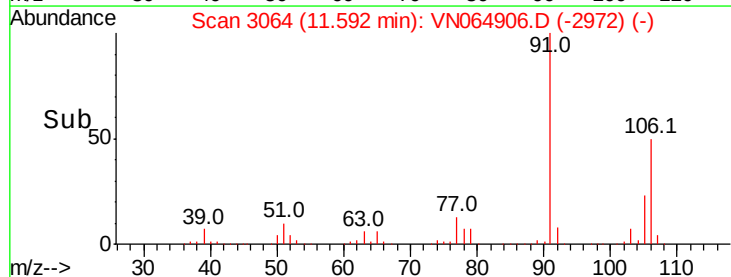
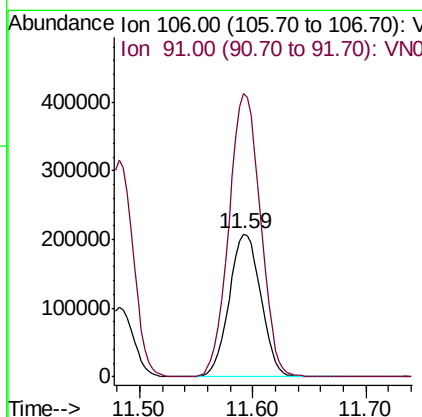
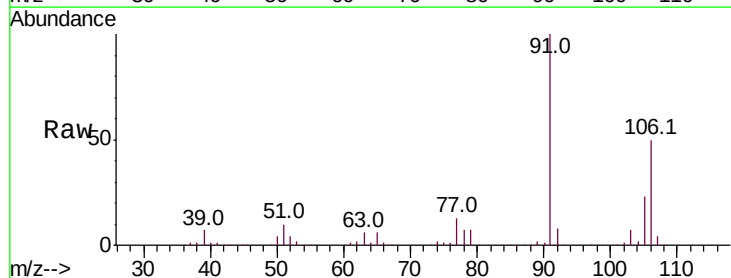
Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

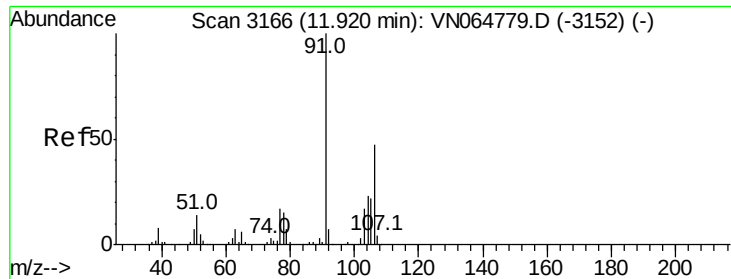
Tot Ion: 91 Resp: 521299
Ion Ratio Lower Upper
91 100
106 32.0 25.2 37.8



#68
m/p-Xylenes
Concen: 101.255 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 106 Resp: 404910
Ion Ratio Lower Upper
106 100
91 198.0 161.0 241.4

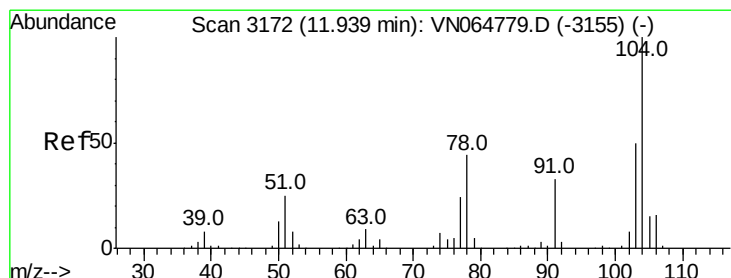
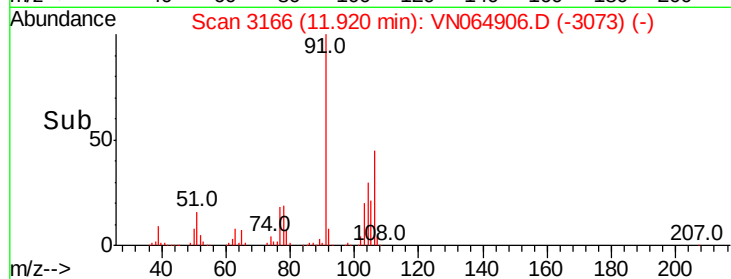
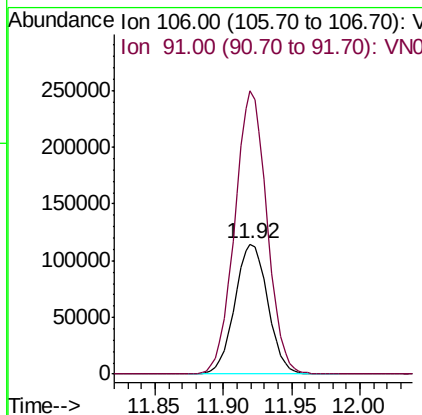
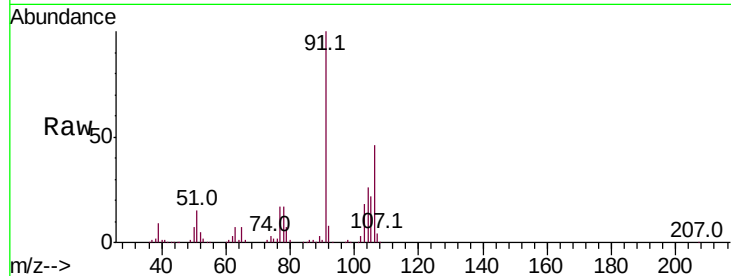




#69
o-Xylene
Concen: 50.742 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

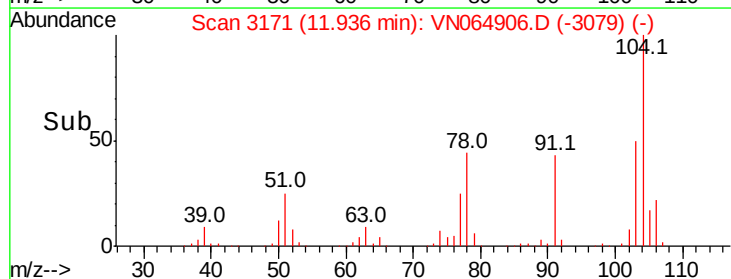
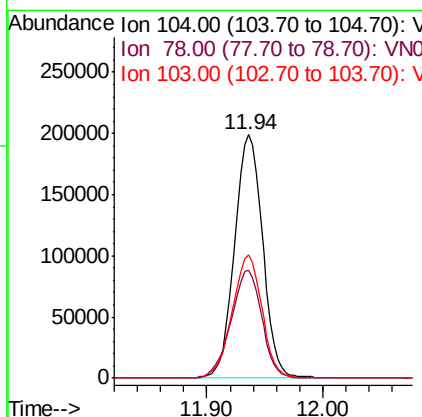
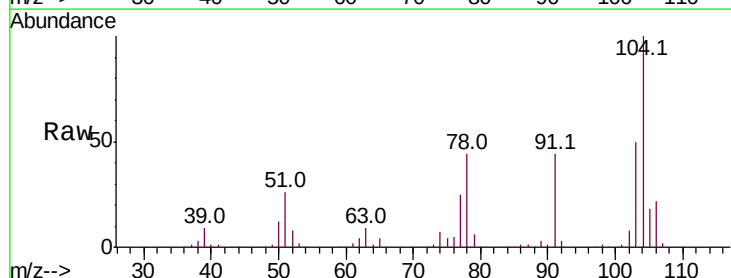
Instrument :
MSVOA_N
ClientSampleId :
TB-12-3-20

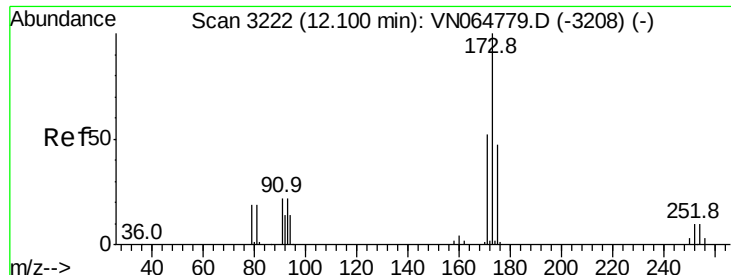
Tot Ion:106 Resp: 192555
Ion Ratio Lower Upper
106 100
91 212.3 105.5 316.5



#70
Styrene
Concen: 52.093 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion:104 Resp: 333717
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.6
103 53.9 44.3 66.5





#71

Bromoform

Concen: 47.872 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-12-3-20

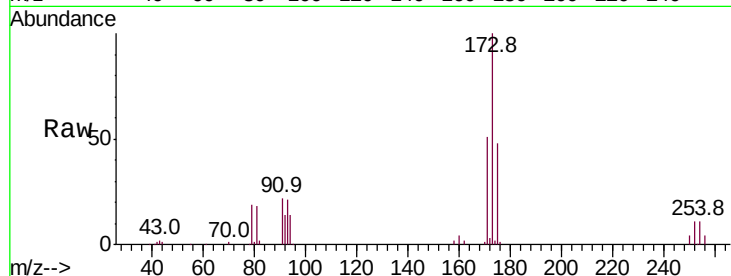
Tot Ion:173 Resp: 88841

Ion Ratio Lower Upper

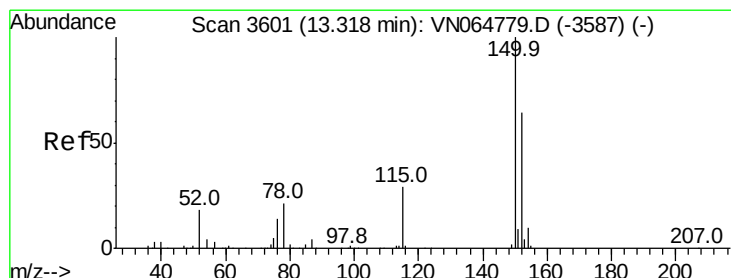
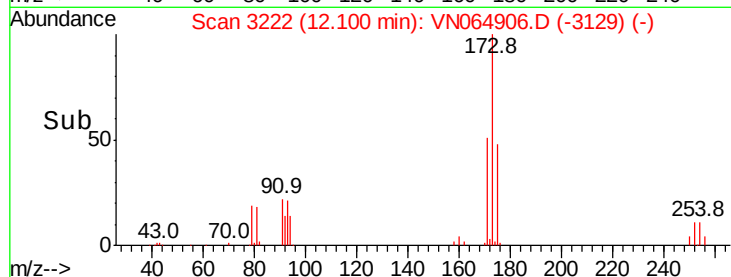
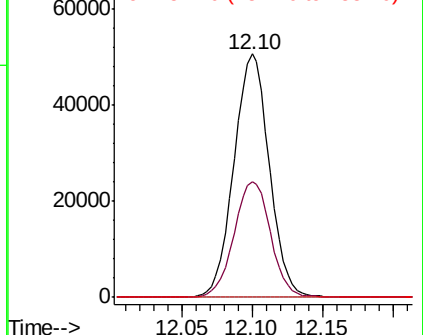
173 100

175 49.0 24.3 72.8

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: VN064906.D

Acq: 3 Dec 2020 18:15

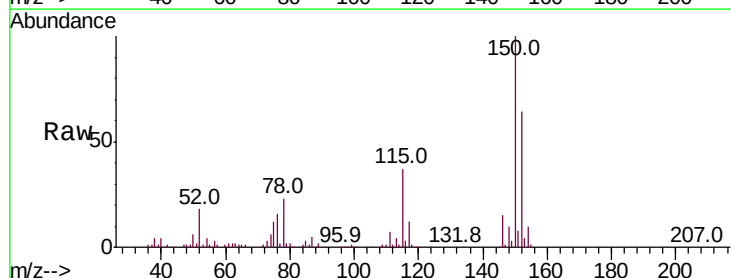
Tgt Ion:152 Resp: 145317

Ion Ratio Lower Upper

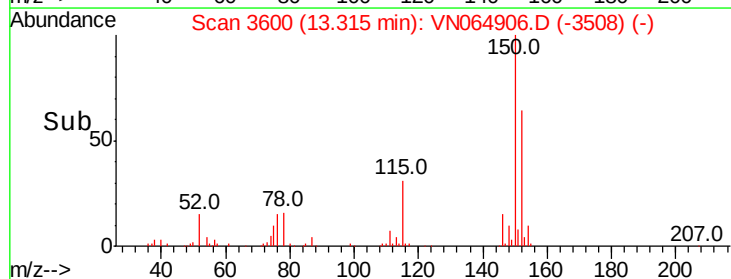
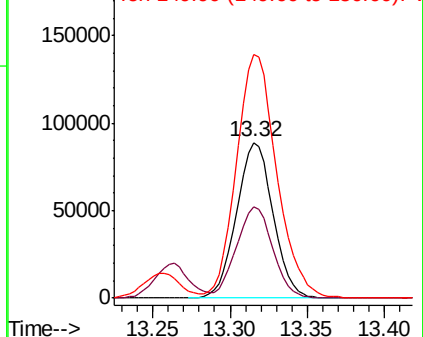
152 100

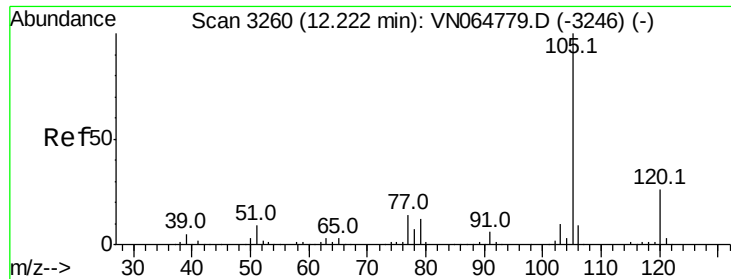
115 59.0 29.7 89.1

150 173.1 0.0 350.6



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: 50.184 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

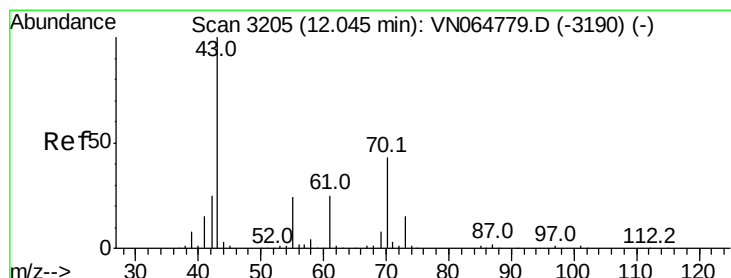
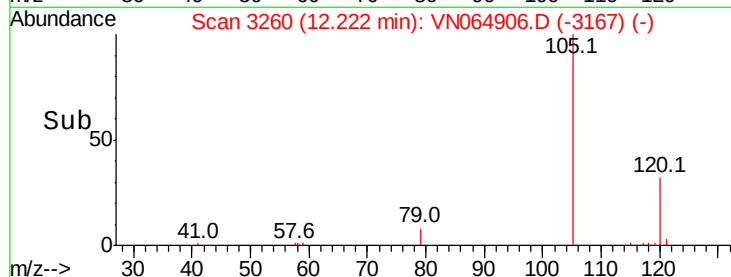
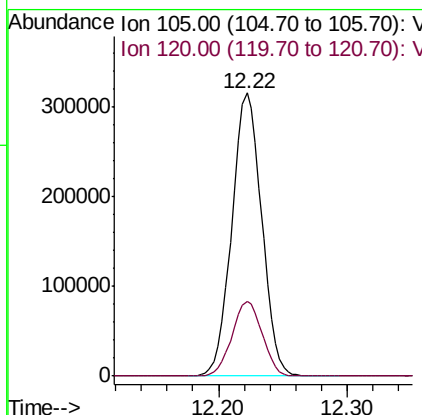
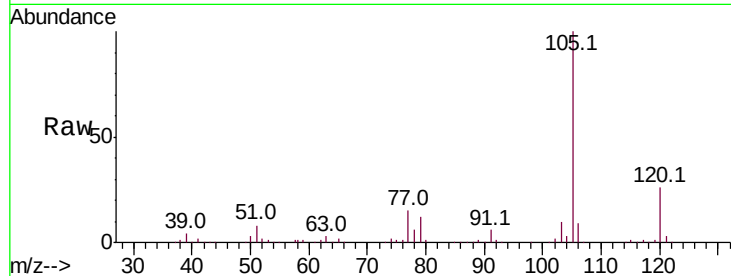
Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
TB-12-3-20

Tot Ion:105 Resp: 507250

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9



#74

N-ethyl acetate

Concen: 48.403 ug/l

RT: 12.04 min Scan# 3204

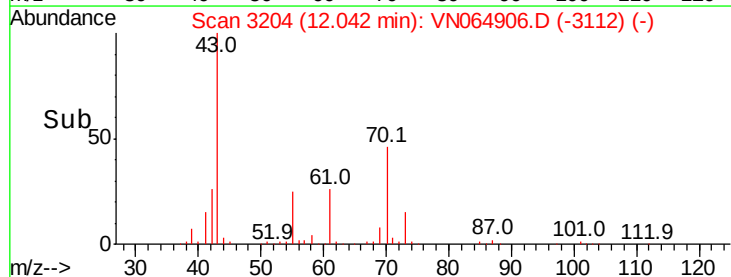
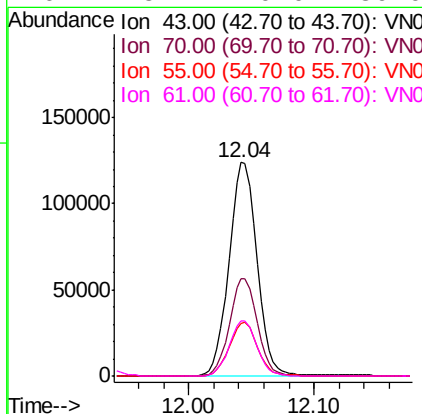
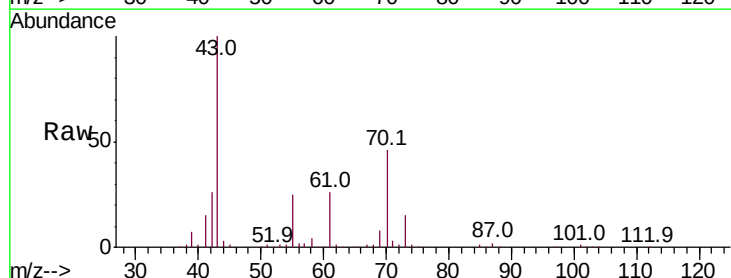
Delta R.T. -0.00 min

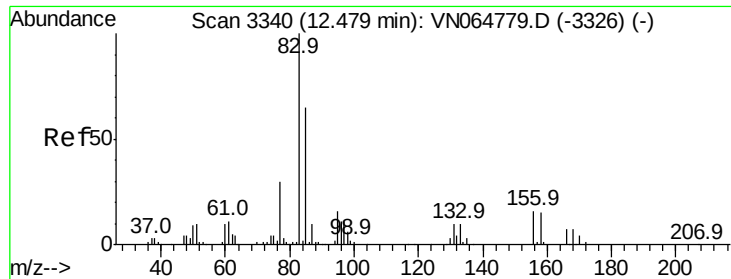
Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Tgt Ion: 43 Resp: 192536

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.5	51.7
55	25.4	20.4	30.6
61	25.4	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.434 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

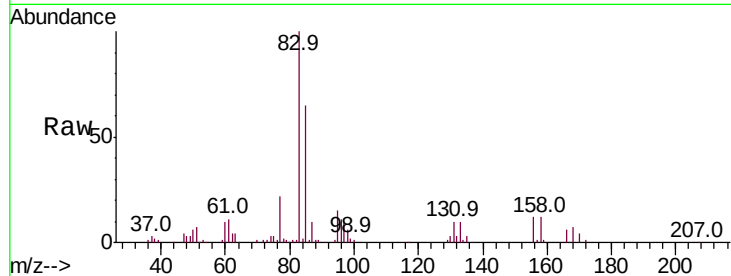
Tot Ion: 83 Resp: 143491

Ion Ratio Lower Upper

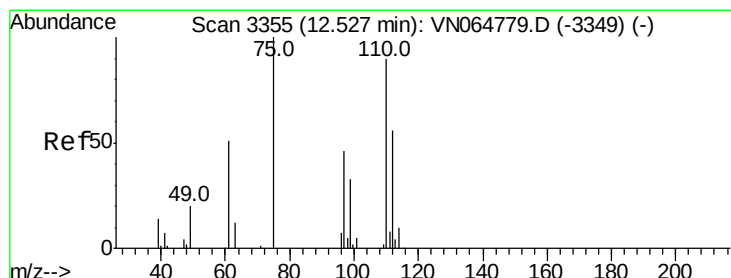
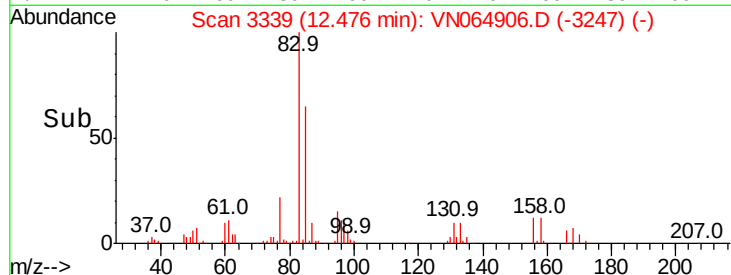
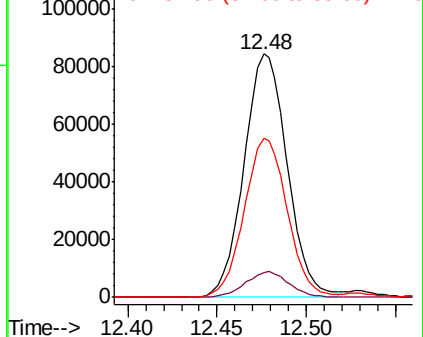
83 100

131 10.7 5.1 15.3

85 64.8 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 64.907 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064906.D

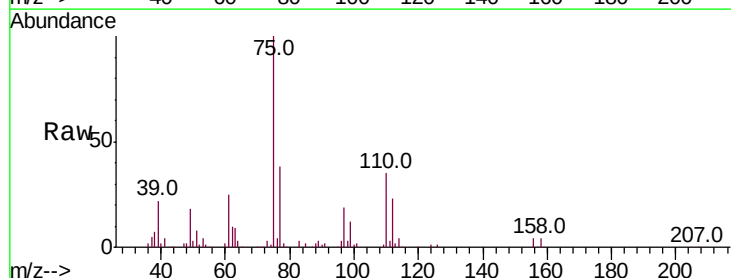
Acq: 3 Dec 2020 18:15

Tgt Ion: 75 Resp: 203129

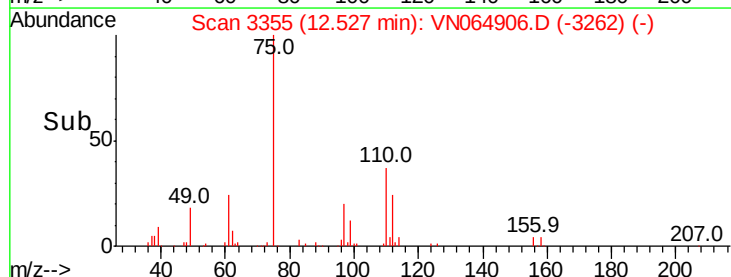
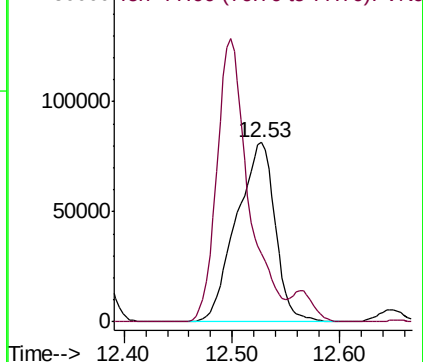
Ion Ratio Lower Upper

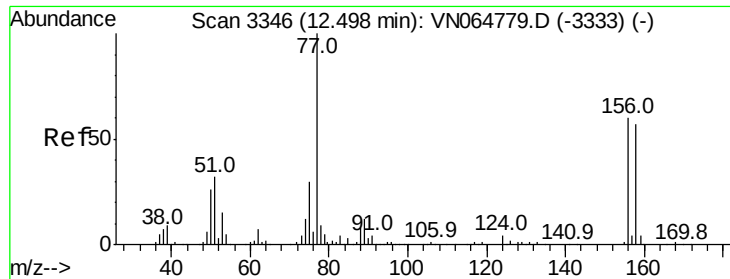
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.125 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

TB-12-3-20

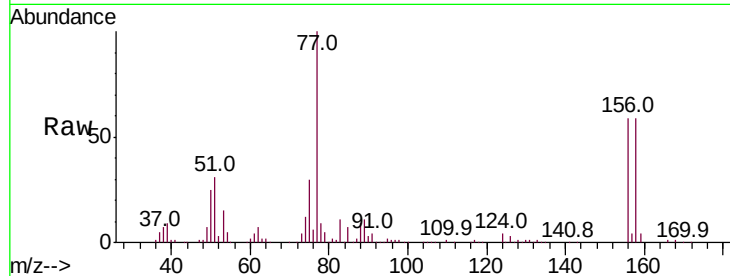
Tot Ion:156 Resp: 131143

Ion Ratio Lower Upper

156 100

77 200.4 101.3 303.7

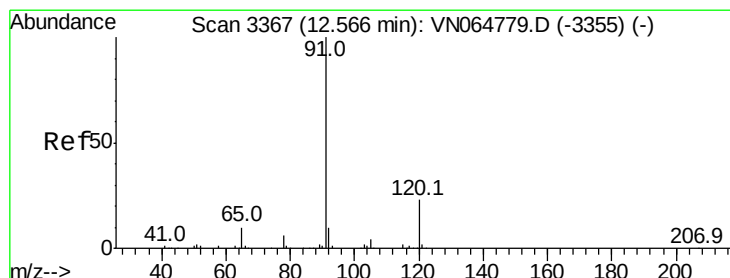
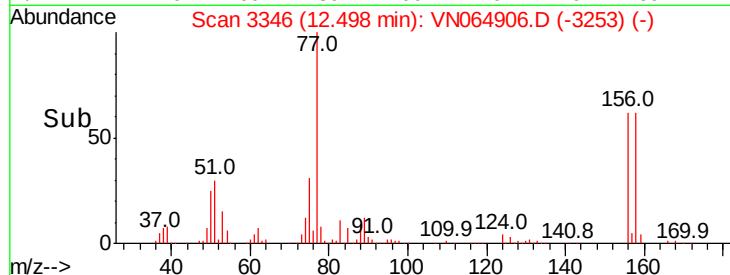
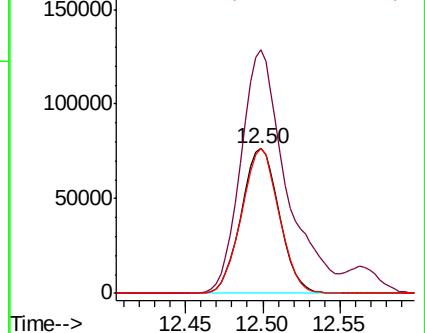
158 98.5 48.2 144.6



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: 49.688 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064906.D

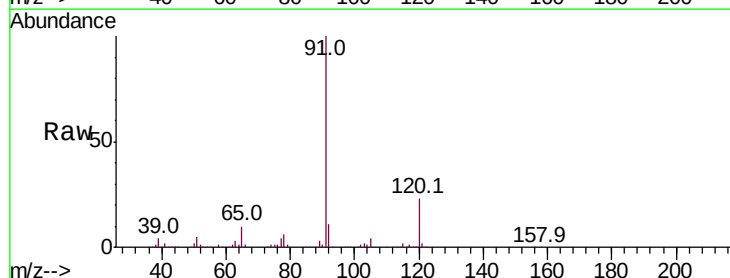
Acq: 3 Dec 2020 18:15

Tgt Ion: 91 Resp: 572147

Ion Ratio Lower Upper

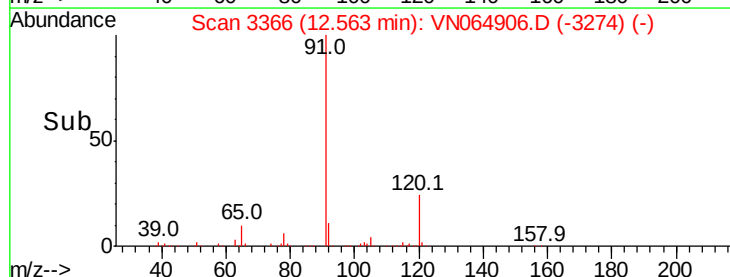
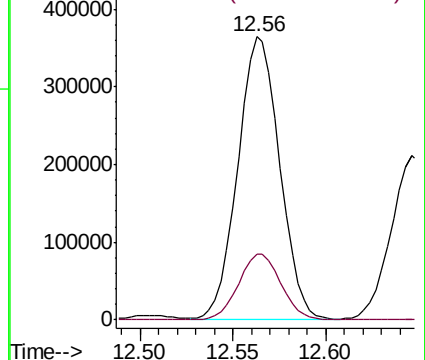
91 100

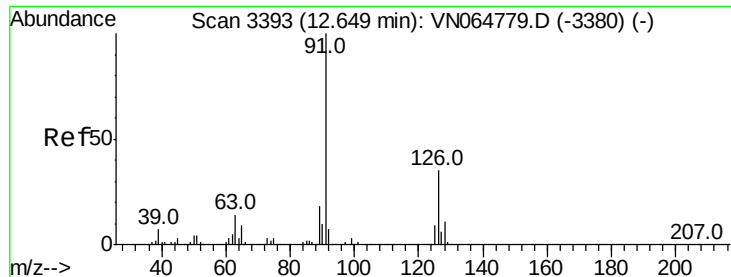
120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.174 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

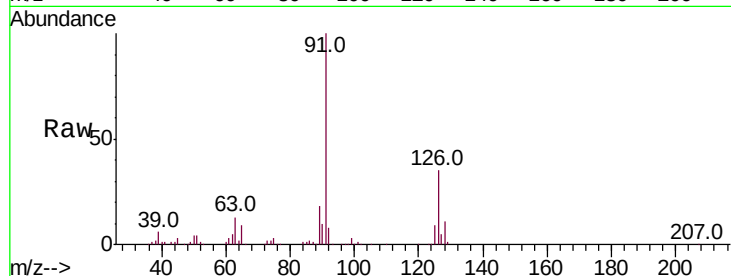
TB-12-3-20

Tot Ion: 91 Resp: 350009

Ion Ratio Lower Upper

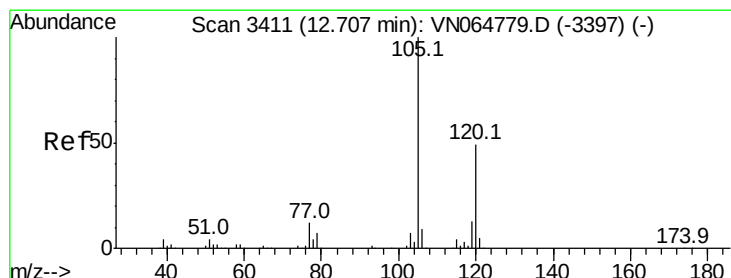
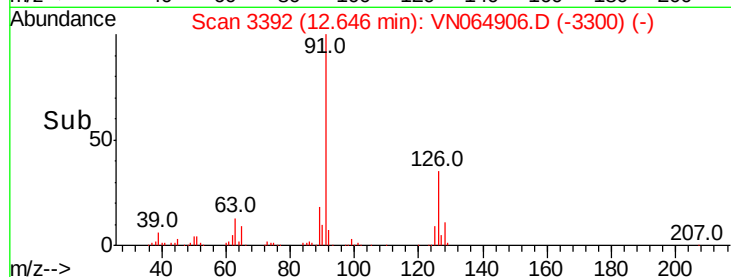
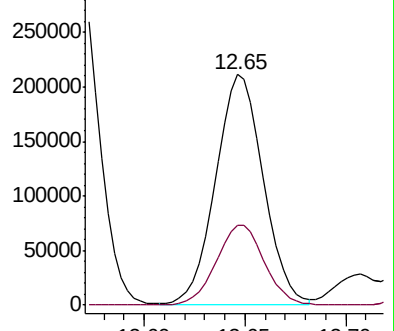
91 100

126 34.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.075 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064906.D

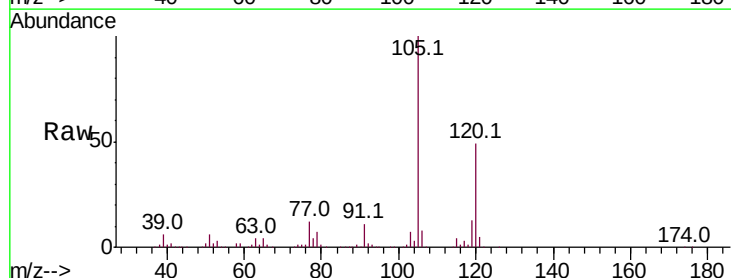
Acq: 3 Dec 2020 18:15

Tgt Ion:105 Resp: 429110

Ion Ratio Lower Upper

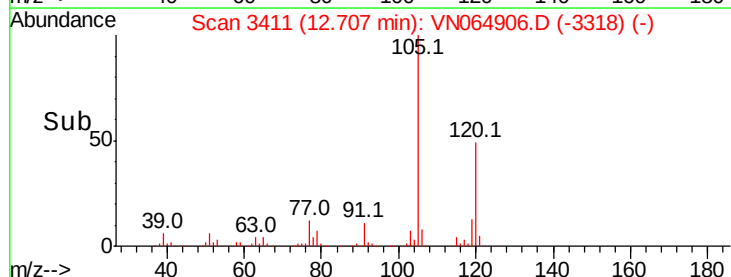
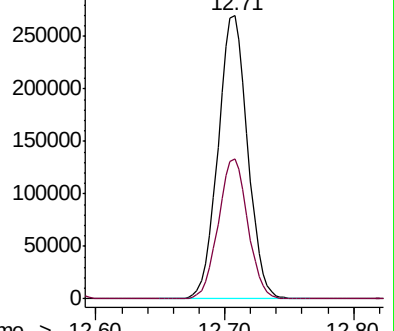
105 100

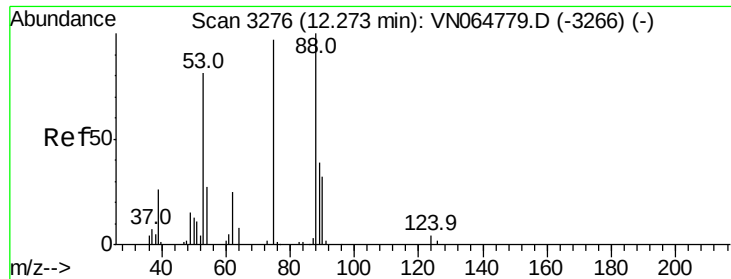
120 49.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

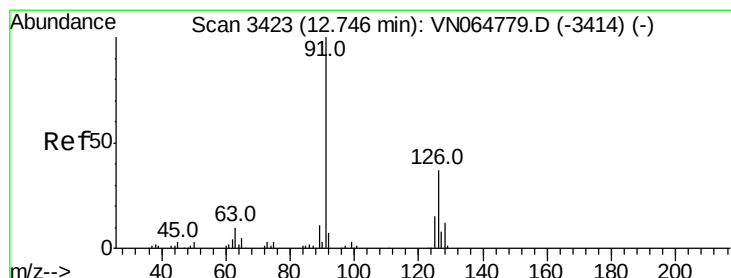
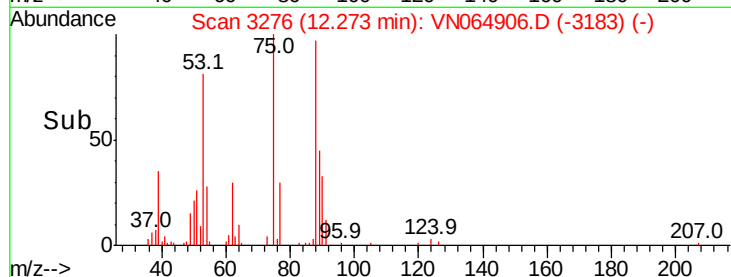
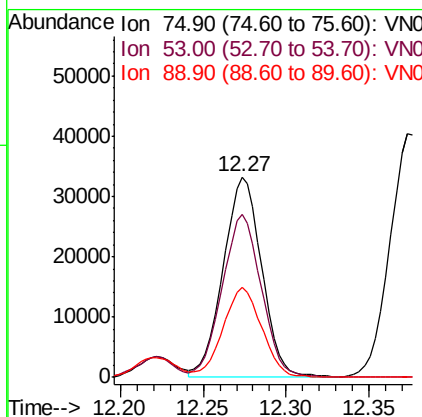
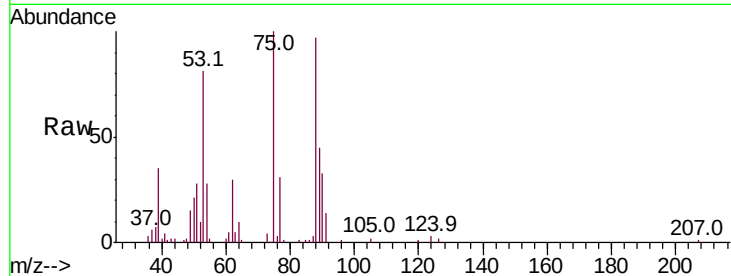




#81
trans-1,4-Dichloro-2-butene
Concen: 46.944 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

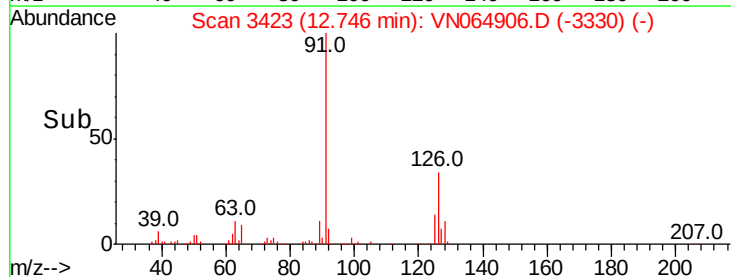
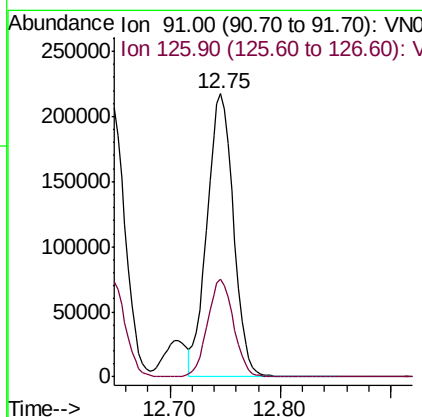
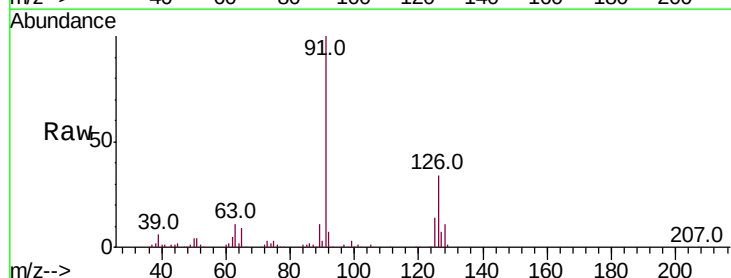
Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

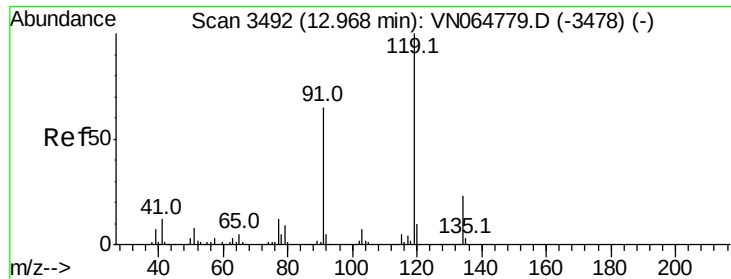
Tot Ion: 75 Resp: 53603
Ion Ratio Lower Upper
75 100
53 82.7 67.0 100.4
89 45.0 39.6 59.4



#82
4-Chlorotoluene
Concen: 48.228 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 91 Resp: 359821
Ion Ratio Lower Upper
91 100
126 34.1 16.9 50.7

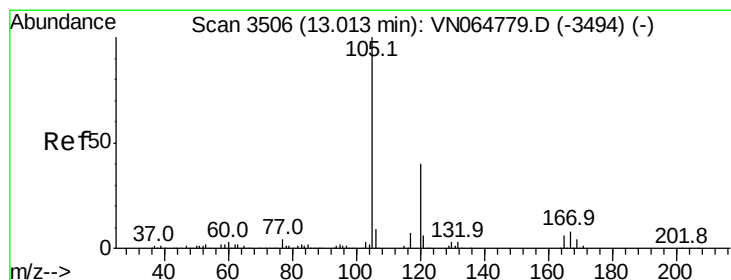
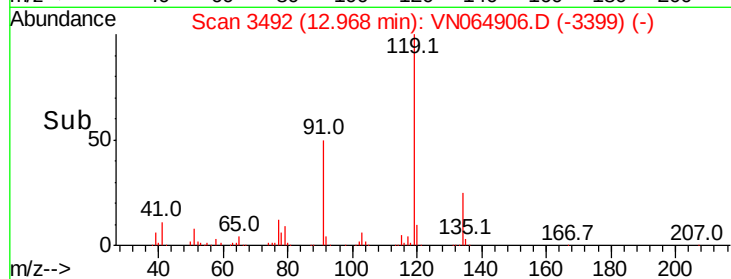
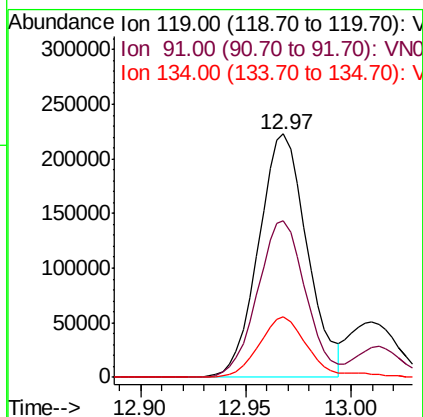
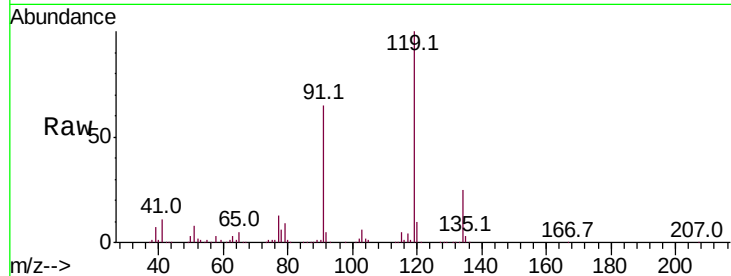




#83
 tert-Butylbenzene
 Concen: 50.668 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

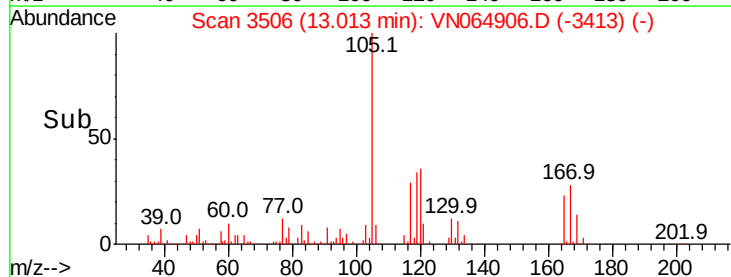
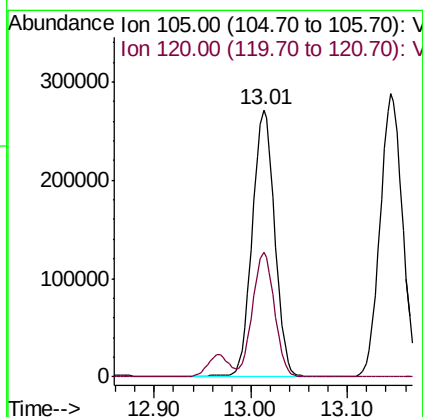
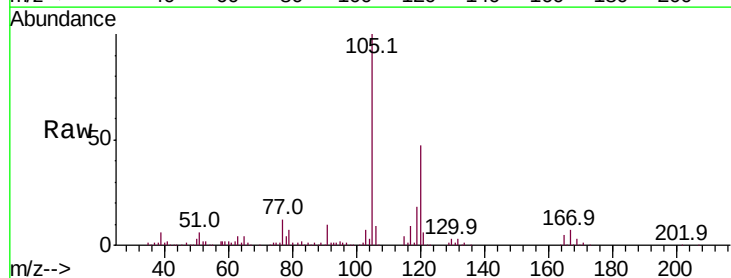
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-3-20

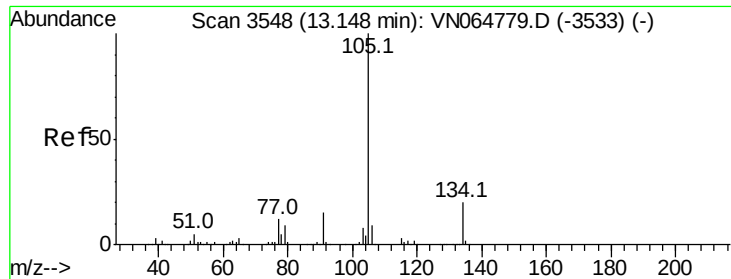
Tot Ion:119 Resp: 356811
 Ion Ratio Lower Upper
 119 100
 91 63.8 32.3 96.8
 134 25.4 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.668 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion:105 Resp: 438897
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.233 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

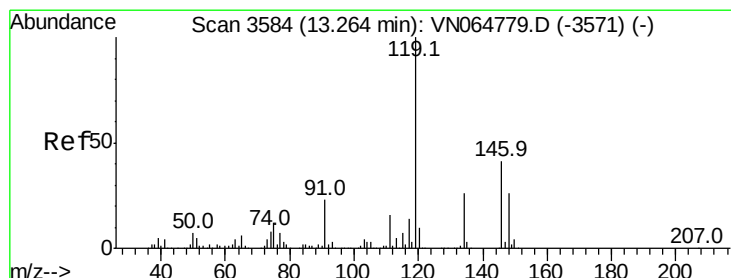
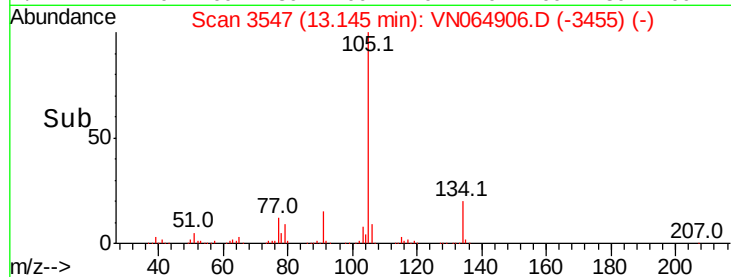
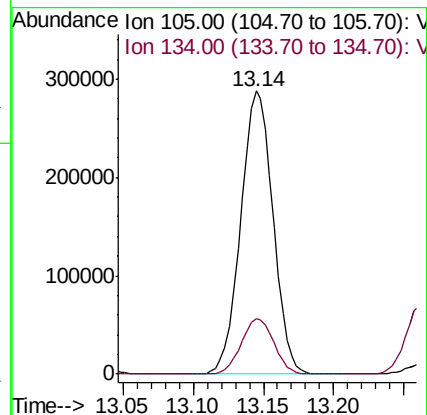
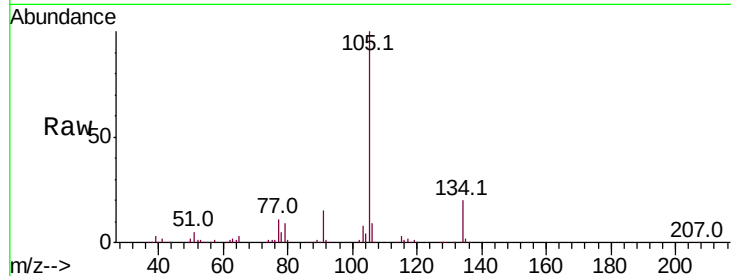
TB-12-3-20

Tot Ion:105 Resp: 460336

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1



#86

p-Isopropyltoluene

Concen: 50.740 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

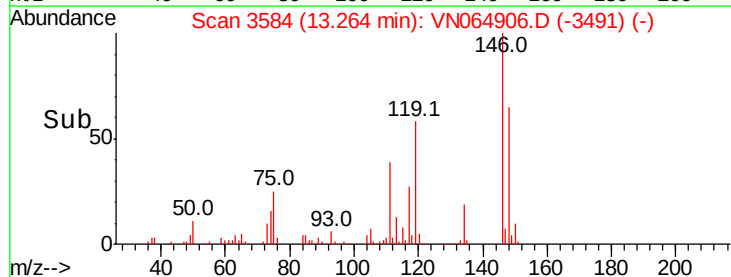
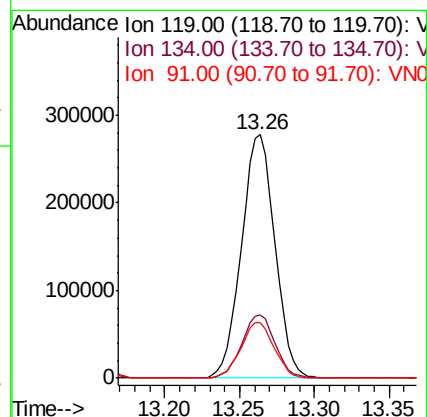
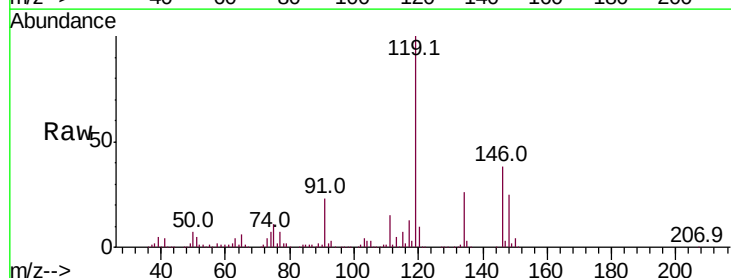
Tgt Ion:119 Resp: 431930

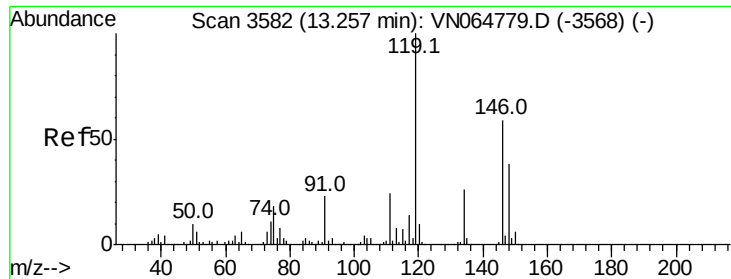
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.8 11.5 34.5

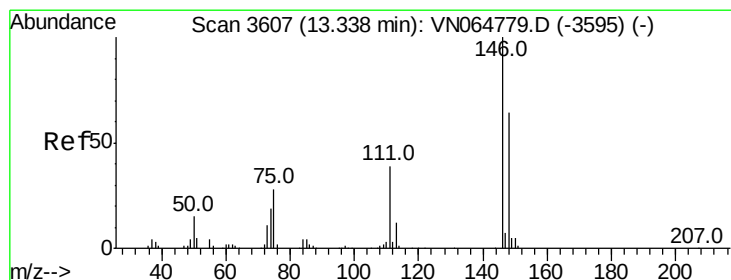
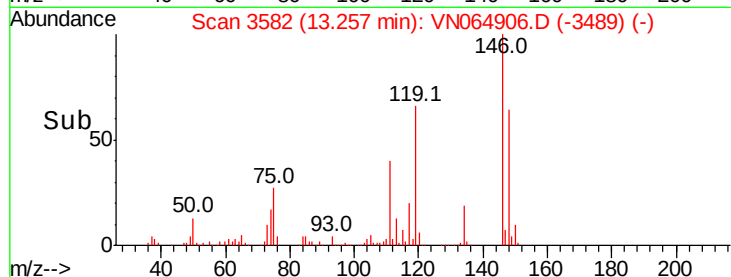
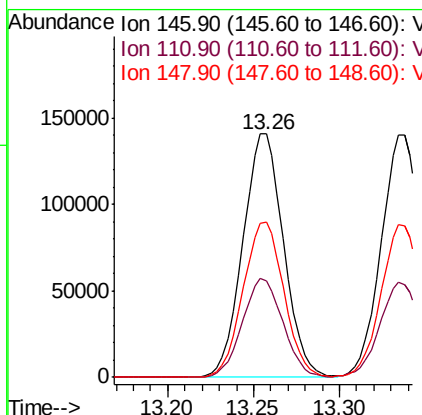
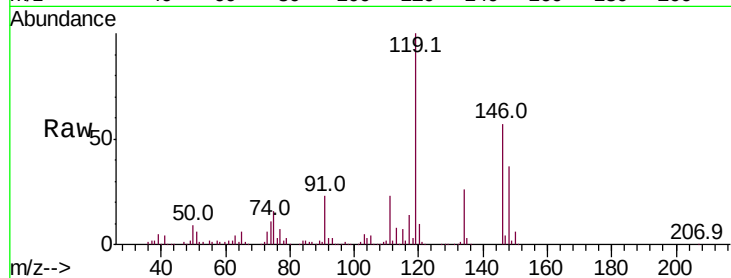




#87
 1,3-Dichlorobenzene
 Concen: 47.863 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

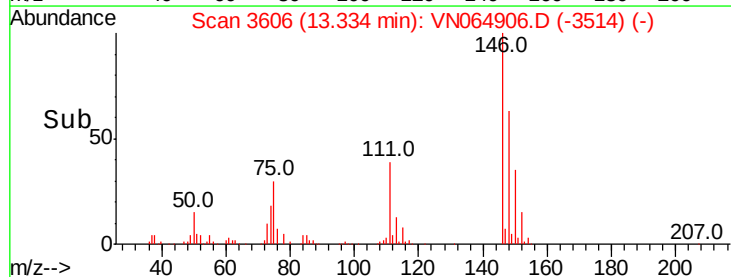
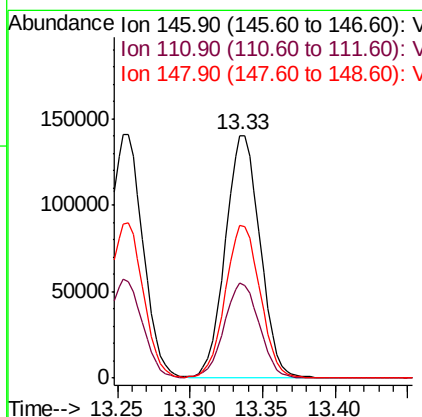
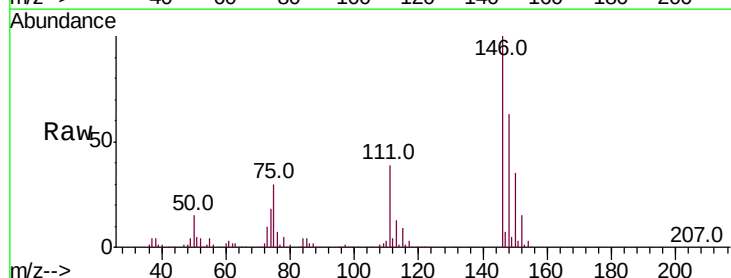
Instrument :
 MSVOA_N
 ClientSampled :
 TB-12-3-20

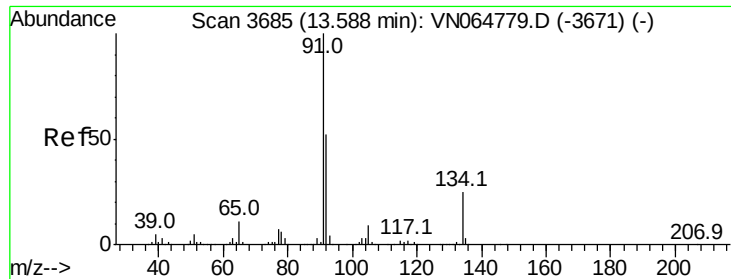
Tot Ion:146 Resp: 231729
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.6 61.9
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 45.497 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064906.D
 Acq: 3 Dec 2020 18:15

Tgt Ion:146 Resp: 232950
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.8 59.3
 148 63.6 31.9 95.5

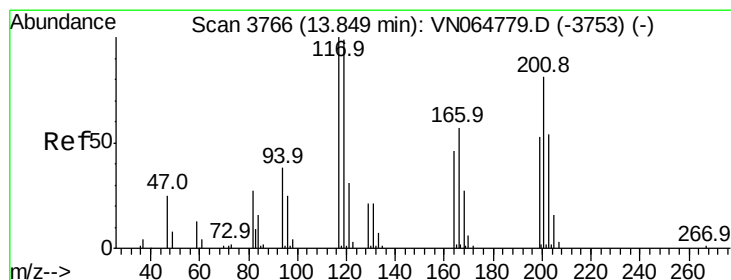
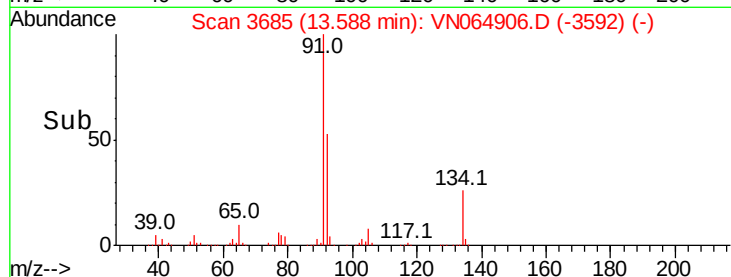
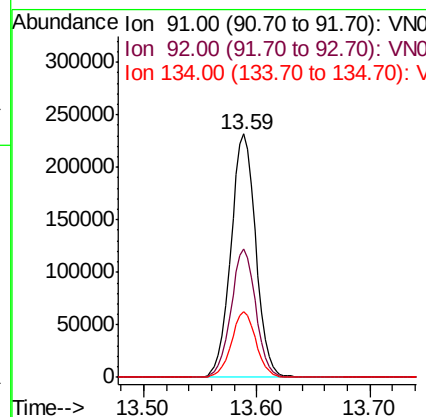
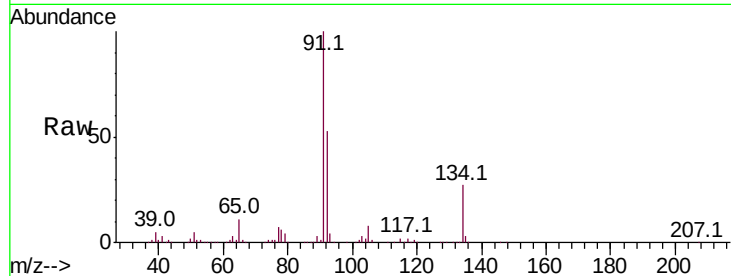




#89
n-Butylbenzene
Concen: 47.542 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

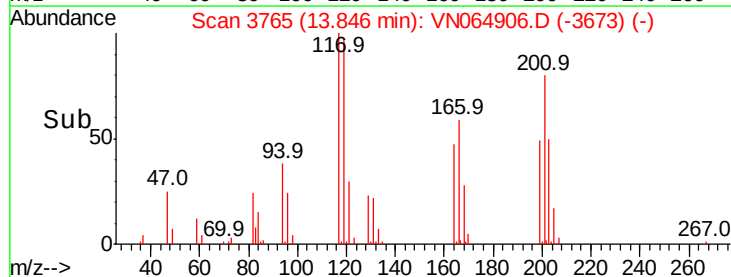
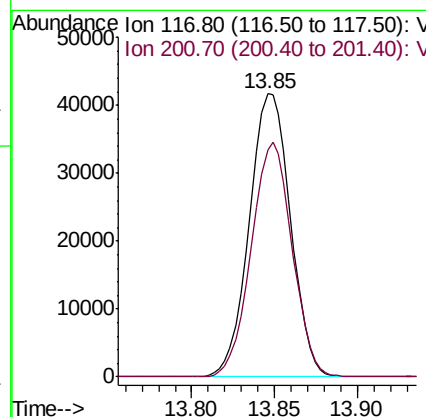
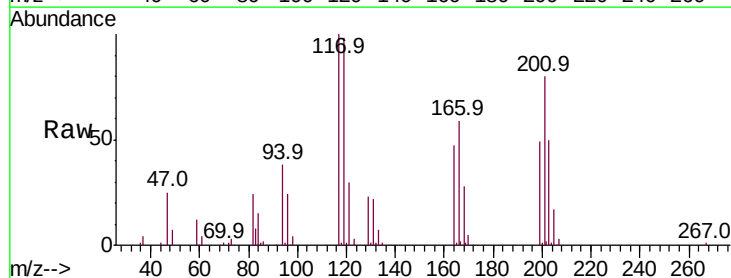
Instrument :
MSVOA_N
ClientSampleId :
TB-12-3-20

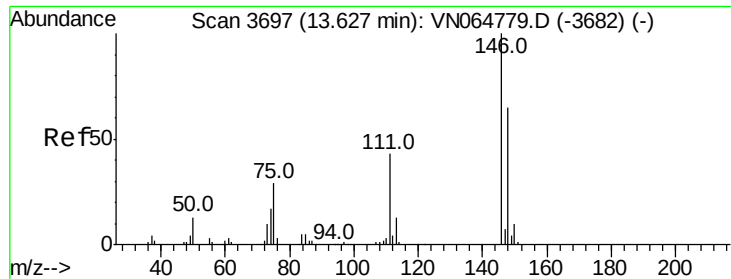
Tot Ion: 91 Resp: 355408
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 26.4 12.9 38.6



#90
Hexachloroethane
Concen: 48.787 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion: 117 Resp: 72146
Ion Ratio Lower Upper
117 100
201 82.0 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 48.249 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-12-3-20

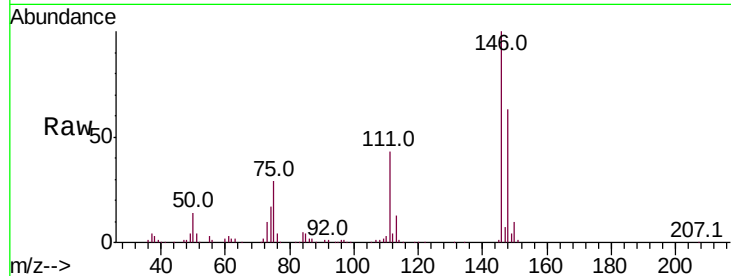
Tot Ion:146 Resp: 229369

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

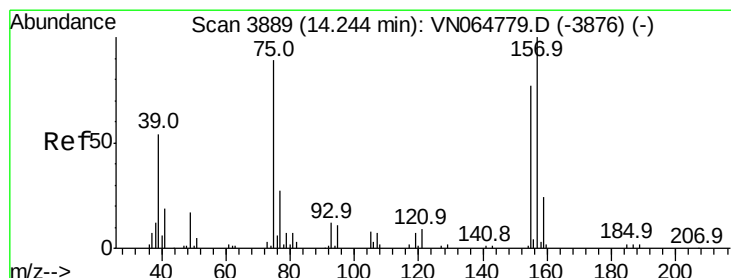
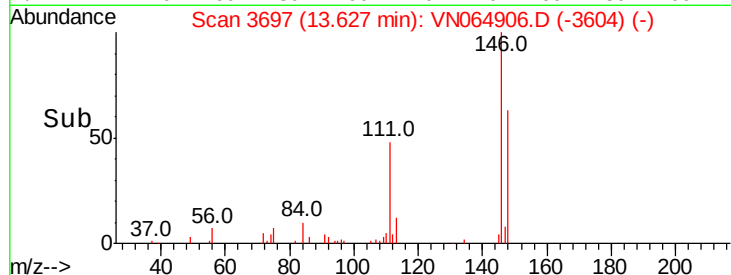
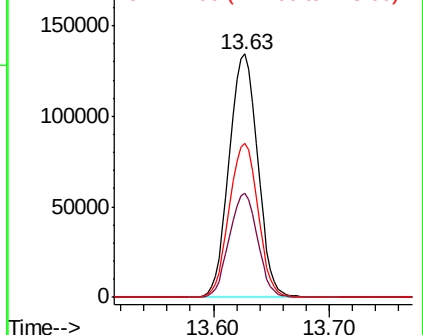
148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.389 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

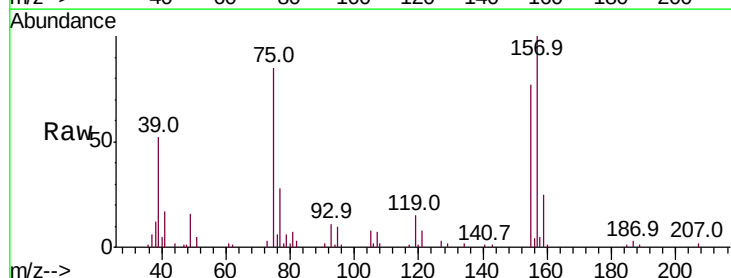
Tgt Ion: 75 Resp: 30257

Ion Ratio Lower Upper

75 100

155 88.3 42.8 128.3

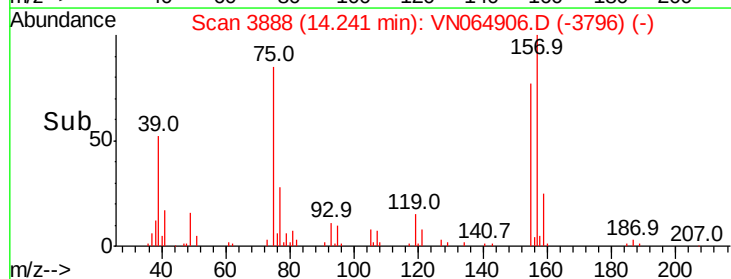
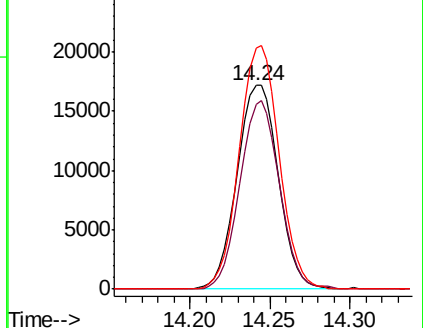
157 115.4 56.4 169.1

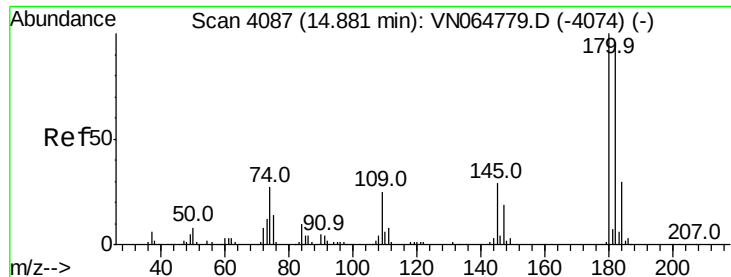


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

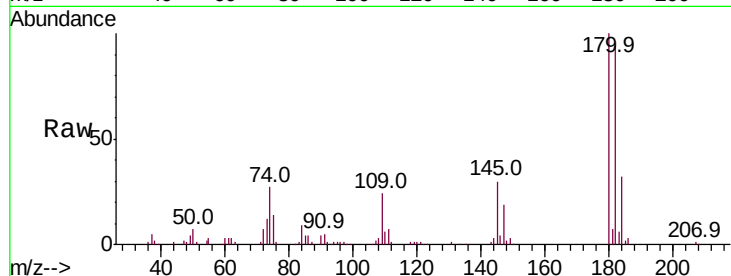




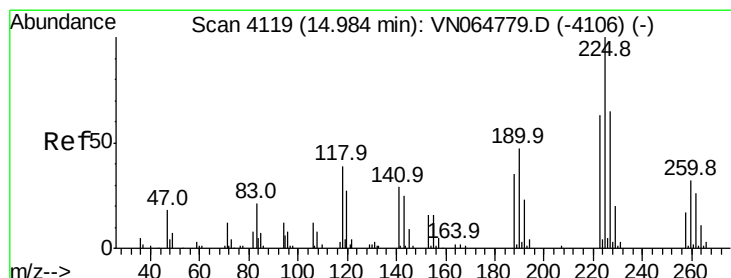
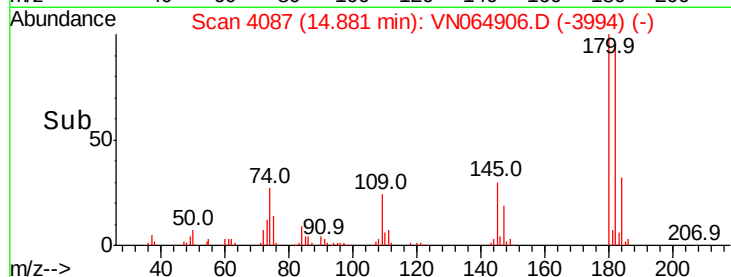
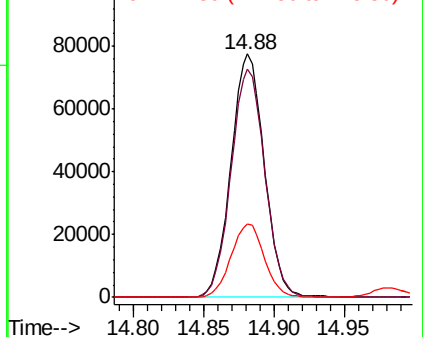
#93
1,2,4-Trichlorobenzene
Concen: 43.635 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
TB-12-3-20

Tot Ion:180 Resp: 128321
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.9
145 30.2 15.3 45.8

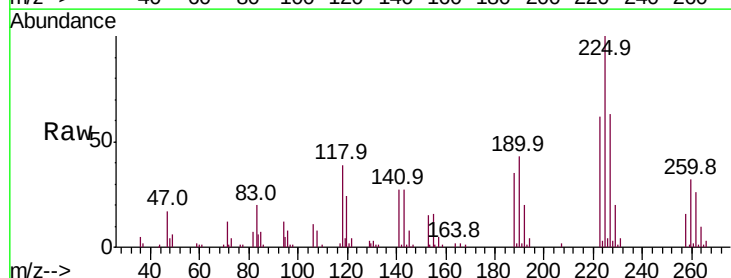


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

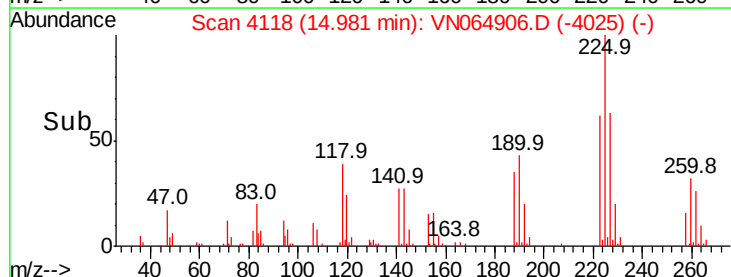
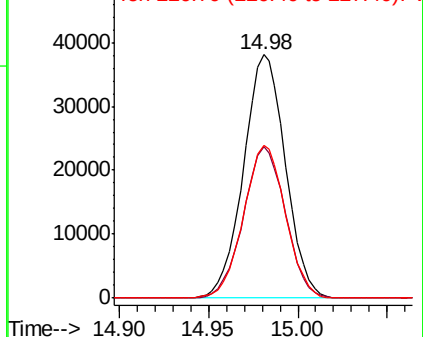


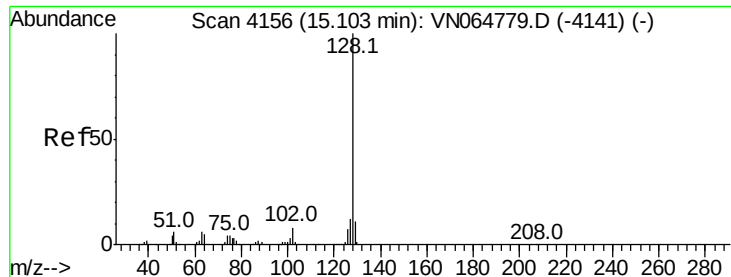
#94
Hexachlorobutadiene
Concen: 47.203 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064906.D
Acq: 3 Dec 2020 18:15

Tgt Ion:225 Resp: 62482
Ion Ratio Lower Upper
225 100
223 62.5 31.0 93.0
227 62.7 32.0 96.0



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: 43.661 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-12-3-20

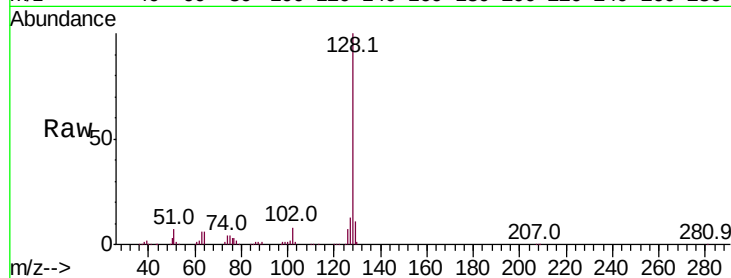
Tot Ion:128 Resp: 384664

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

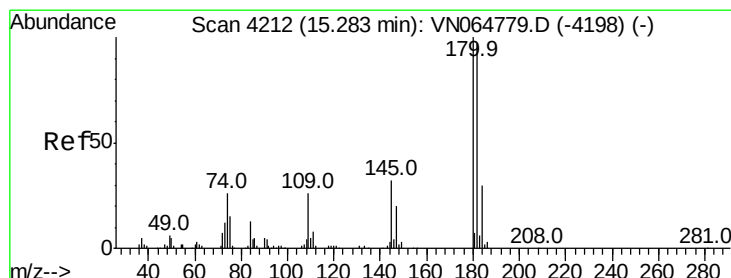
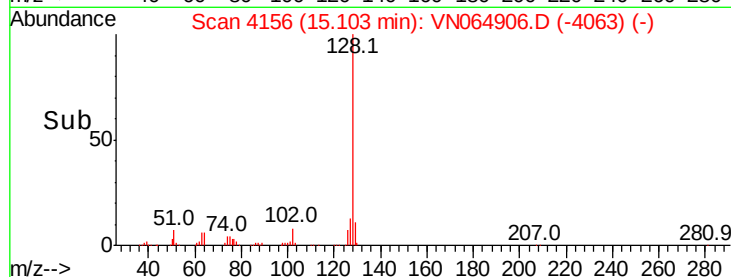
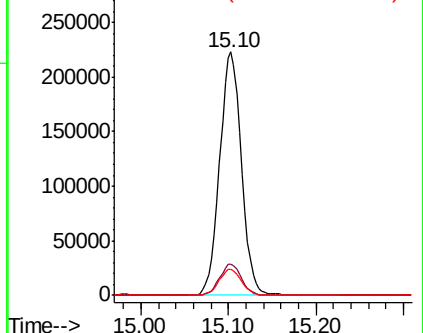
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.766 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064906.D

Acq: 3 Dec 2020 18:15

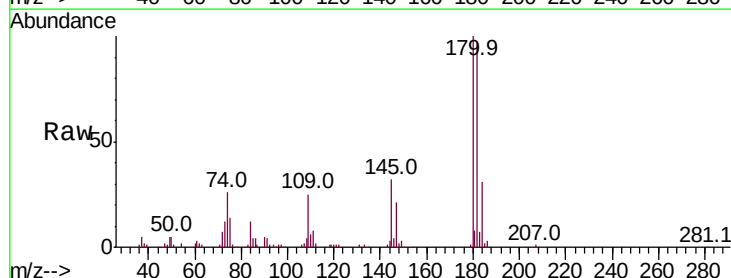
Tgt Ion:180 Resp: 124685

Ion Ratio Lower Upper

180 100

182 94.5 48.1 144.4

145 31.7 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

