

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062998.D
 Acq On : 18 Aug 2020 20:42
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 19 05:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	284783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	334473	149.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	298.96%	
35) Dibromofluoromethane	7.55	113	276386	148.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	297.88%	
50) Toluene-d8	10.06	98	1092559	153.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	306.58%	
62) 4-Bromofluorobenzene	12.38	95	421913	167.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	335.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	362594	162.203	ug/l	99
3) Chloromethane	2.03	50	410730	158.667	ug/l	99
4) Vinyl Chloride	2.16	62	387742	154.884	ug/l	99
5) Bromomethane	2.49	94	227985	153.431	ug/l	98
6) Chloroethane	2.64	64	225057	152.265	ug/l	100
7) Trichlorofluoromethane	2.97	101	463099	148.336	ug/l	99
8) Diethyl Ether	3.37	74	160805	145.599	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	227933	135.491	ug/l	100
10) Methyl Iodide	3.90	142	341230	160.027	ug/l	99
11) Tert butyl alcohol	4.75	59	229410	723.823	ug/l	100
12) 1,1-Dichloroethene	3.69	96	223822	139.665	ug/l	98
13) Acrolein	3.56	56	52637	530.134	ug/l	97
14) Allyl chloride	4.27	41	413941	146.496	ug/l	98
15) Acrylonitrile	4.93	53	710185	762.366	ug/l	100
16) Acetone	3.78	43	504040	661.506	ug/l	99
17) Carbon Disulfide	4.00	76	629070	149.887	ug/l	98
18) Methyl Acetate	4.28	43	307909	138.471	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	866916	155.116	ug/l	100
20) Methylene Chloride	4.50	84	284793	113.357	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	245711	146.509	ug/l	97
22) Diisopropyl ether	5.90	45	966735	150.768	ug/l	98
23) Vinyl Acetate	5.84	43	3194820	738.357	ug/l	99
24) 1,1-Dichloroethane	5.79	63	501219	139.884	ug/l	99
25) 2-Butanone	6.79	43	900320	757.888	ug/l	100
26) 2,2-Dichloropropane	6.77	77	393365	139.595	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	311811	148.334	ug/l	99
28) Bromochloromethane	7.15	49	276993	147.747	ug/l	98
29) Tetrahydrofuran	7.17	42	600149	782.778	ug/l	99
30) Chloroform	7.33	83	513761	142.370	ug/l	99
31) Cyclohexane	7.61	56	510171	154.698	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	426648	144.819	ug/l	99
36) 1,1-Dichloropropene	7.75	75	373688	148.900	ug/l	99
37) Ethyl Acetate	6.88	43	342909	145.459	ug/l	100
38) Carbon Tetrachloride	7.73	117	365907	144.416	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	504373	170.082	ug/l	98
40) Benzene	8.00	78	1170174	147.012	ug/l	100
41) Methacrylonitrile	7.13	41	186288	166.267	ug/l	94
42) 1,2-Dichloroethane	8.09	62	390819	146.227	ug/l	100
43) Isopropyl Acetate	8.13	43	603903	155.012	ug/l	100
44) Trichloroethene	8.80	130	289931	146.434	ug/l	98
45) 1,2-Dichloropropane	9.09	63	330990	143.857	ug/l	97
46) Dibromomethane	9.18	93	193132	145.301	ug/l	98
47) Bromodichloromethane	9.37	83	420996	144.612	ug/l	99
48) Methyl methacrylate	9.17	41	292322	158.585	ug/l	99
49) 1,4-Dioxane	9.17	88	117842	3279.664	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1853160	752.548	ug/l	98
52) Toluene	10.13	92	740170	154.150	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	475376	157.904	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	511794	154.970	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	302714	147.442	ug/l	100
56) Ethyl methacrylate	10.40	69	472764	170.522	ug/l	99
57) 1,3-Dichloropropane	10.68	76	507449	148.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	577930	869.745	ug/l	99
59) 2-Hexanone	10.72	43	1374873	800.431	ug/l	99
60) Dibromochloromethane	10.88	129	343541	151.199	ug/l	100
61) 1,2-Dibromoethane	10.98	107	306738	155.486	ug/l	100
64) Tetrachloroethene	10.61	164	258981	142.119	ug/l	98
65) Chlorobenzene	11.41	112	822930	147.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	319041	147.325	ug/l	99
67) Ethyl Benzene	11.48	91	1511938	160.715	ug/l	100
68) m/p-Xylenes	11.60	106	1153466	329.892	ug/l	99
69) o-Xylene	11.92	106	560527	166.943	ug/l	99
70) Styrene	11.94	104	1004707	174.361	ug/l	99
71) Bromoform	12.10	173	270216	156.764	ug/l #	100
73) Isopropylbenzene	12.22	105	1501880	147.821	ug/l	100
74) N-amyl acetate	12.05	43	598015	164.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	463061	127.739	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	590188	201.973	ug/l #	100
77) Bromobenzene	12.50	156	393564	140.844	ug/l	99
78) n-propylbenzene	12.57	91	1799630	155.399	ug/l	99
79) 2-Chlorotoluene	12.65	91	1052194	144.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1314795	156.544	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	162134	154.407	ug/l	98
82) 4-Chlorotoluene	12.75	91	1119652	150.954	ug/l	100
83) tert-Butylbenzene	12.97	119	1121178	154.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1335821	163.258	ug/l	100
85) sec-Butylbenzene	13.15	105	1536625	156.846	ug/l	100
86) p-Isopropyltoluene	13.26	119	1407901	164.928	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	727008	151.387	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	723551	148.445	ug/l	99
89) n-Butylbenzene	13.59	91	1254166	174.092	ug/l	98
90) Hexachloroethane	13.85	117	257681	142.020	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	683363	147.315	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	84419	164.981	ug/l	98

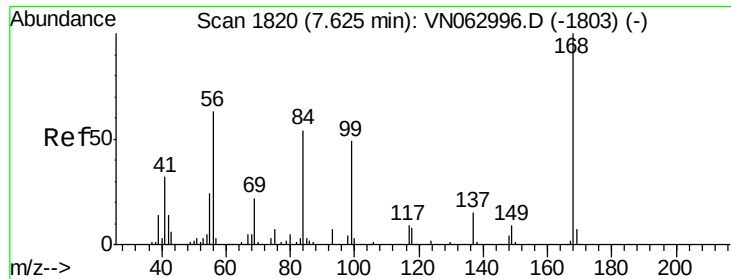
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:46:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	415880	205.190	ug/l	99
94) Hexachlorobutadiene	14.99	225	233738	136.358	ug/l	100
95) Naphthalene	15.10	128	978904	216.525	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	400241	196.628	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

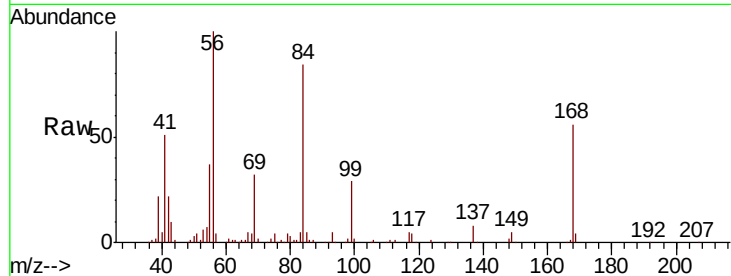
VSTDIC150

Tot Ion:168 Resp: 188795

Ion Ratio Lower Upper

168 100

99 52.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

20000

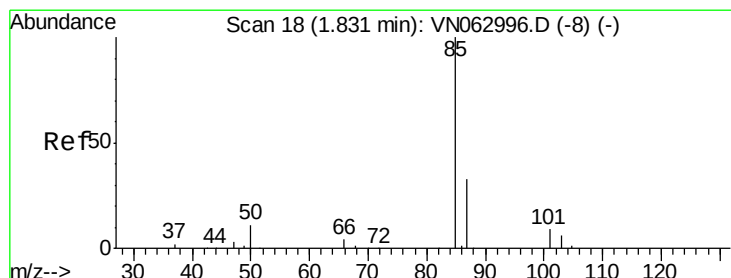
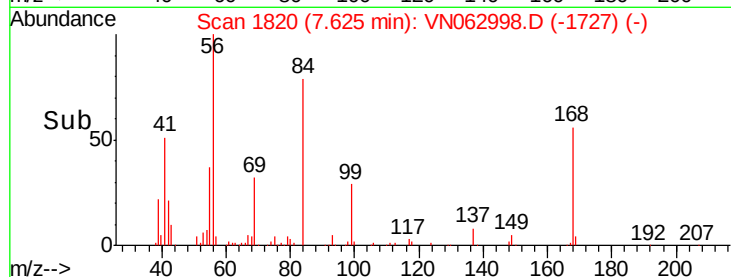
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 162.203 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062998.D

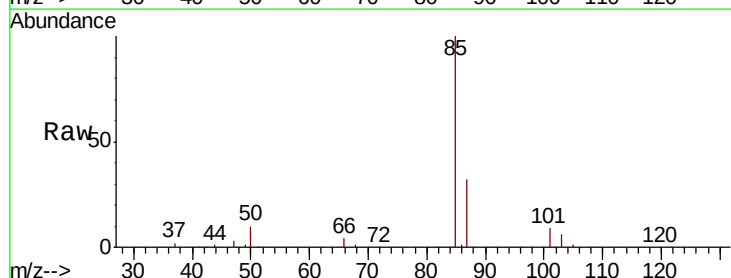
Acq: 18 Aug 2020 20:42

Tgt Ion: 85 Resp: 362594

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

100000

50000

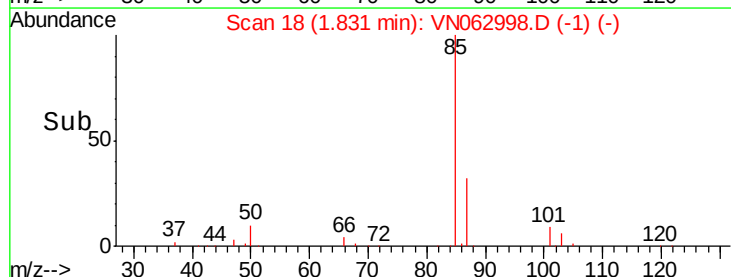
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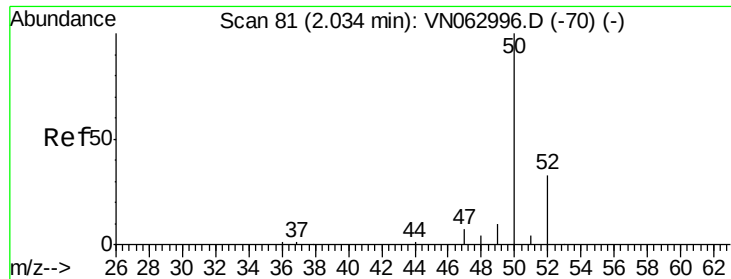
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 158.667 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

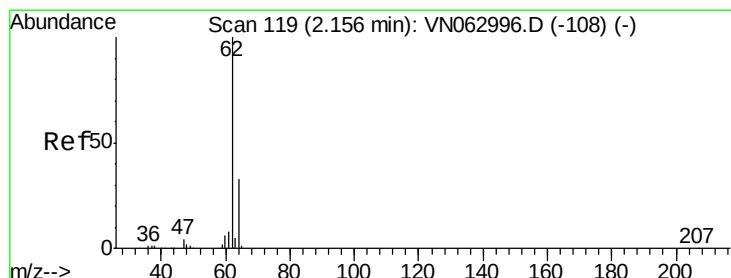
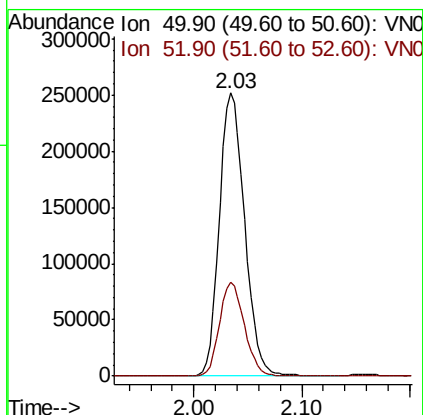
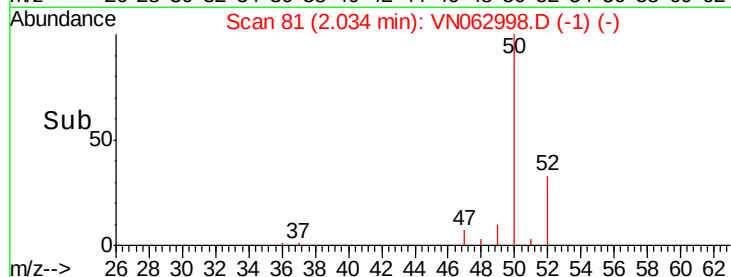
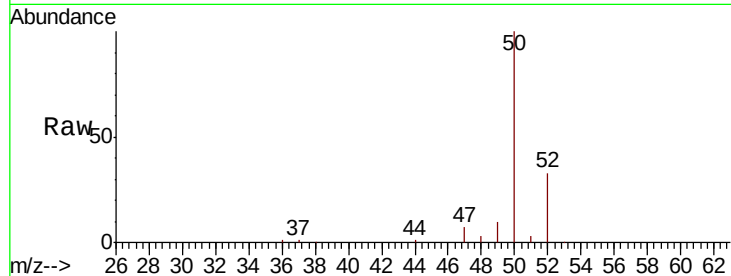
VSTDIC150

Tot Ion: 50 Resp: 410730

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 154.884 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062998.D

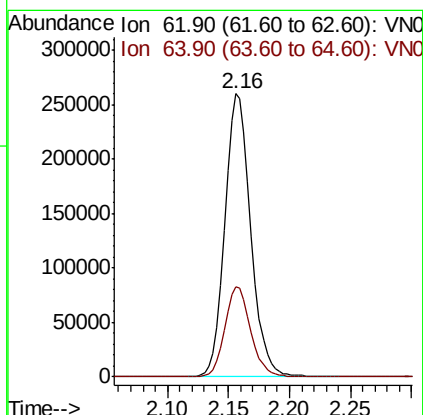
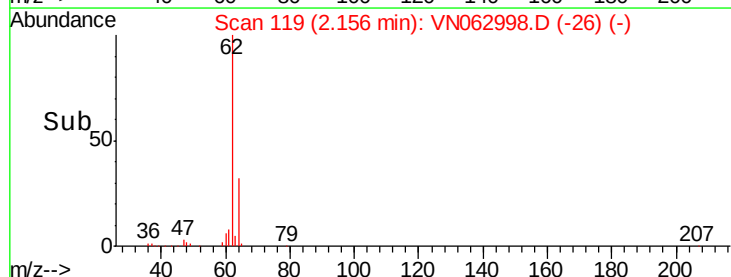
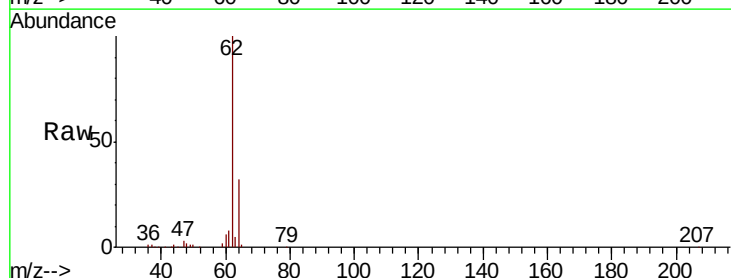
Acq: 18 Aug 2020 20:42

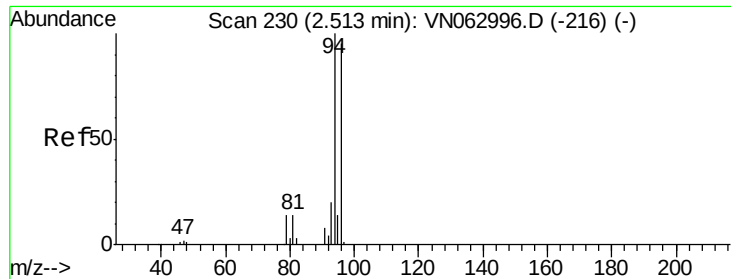
Tgt Ion: 62 Resp: 387742

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 153.431 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.02 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

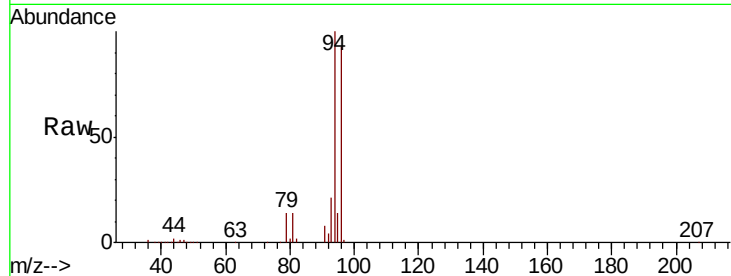
VSTDIC150

Tot Ion: 94 Resp: 227985

Ion Ratio Lower Upper

94 100

96 93.3 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.49

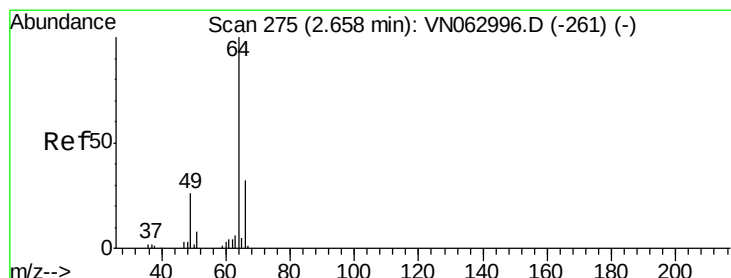
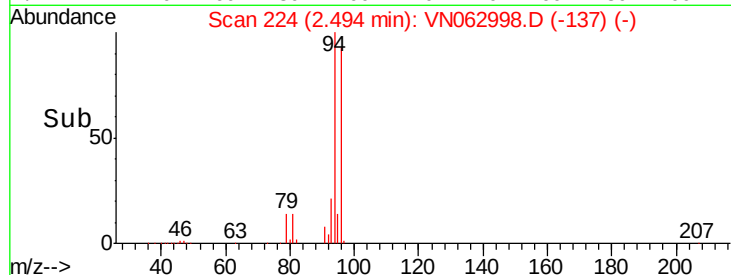
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 152.265 ug/l

RT: 2.64 min Scan# 271

Delta R.T. -0.01 min

Lab File: VN062998.D

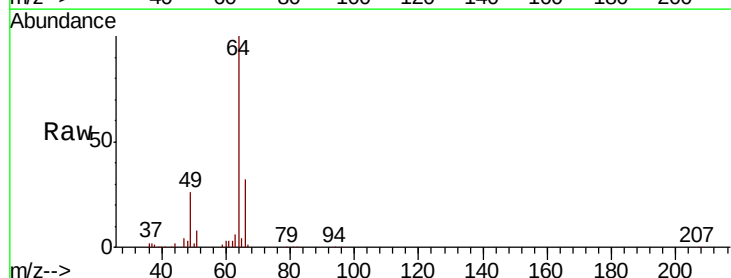
Acq: 18 Aug 2020 20:42

Tgt Ion: 64 Resp: 225057

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.64

120000

100000

80000

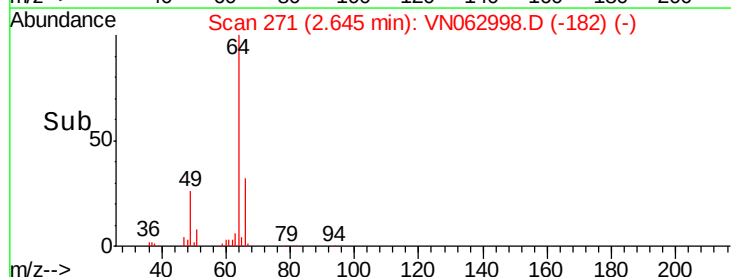
60000

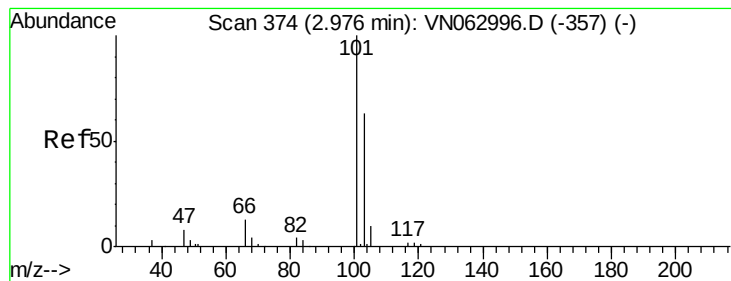
40000

20000

0

Time-->



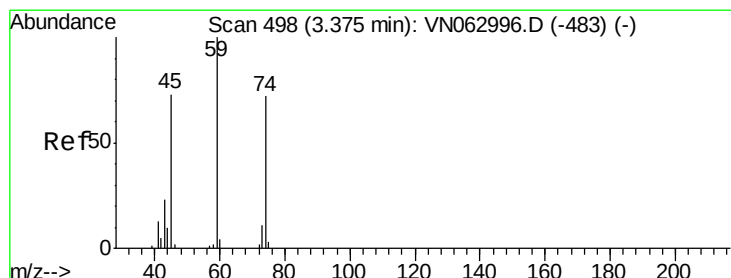
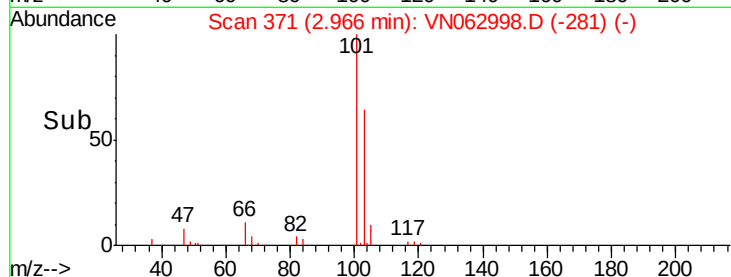
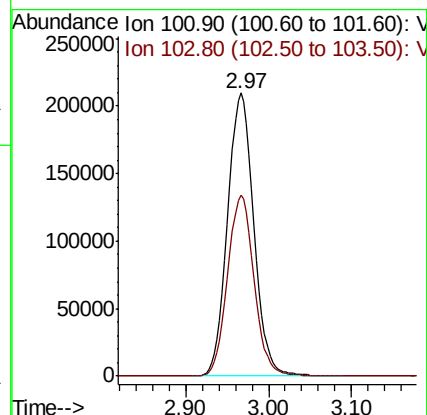
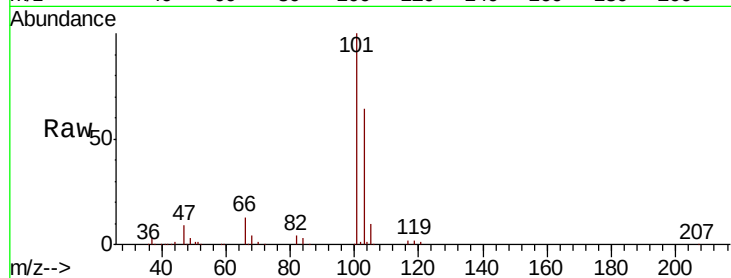


#7

Trichlorofluoromethane
Concen: 148.336 ug/l
RT: 2.97 min Scan# 371
Delta R.T. -0.01 min
Lab File: VN062998.D
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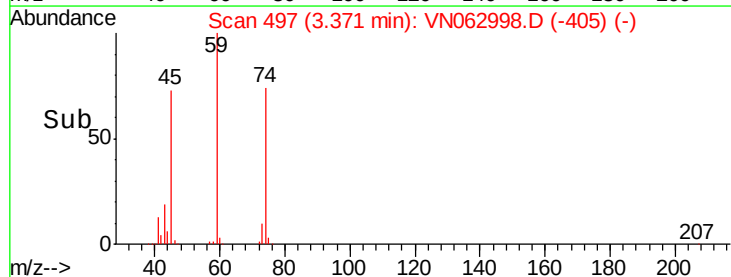
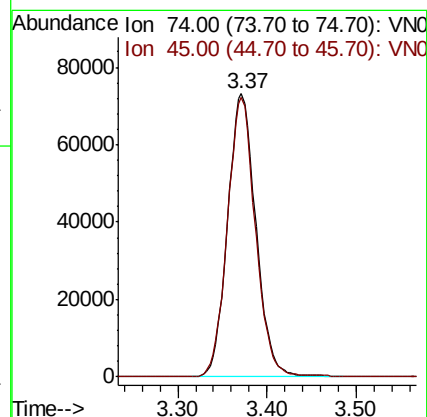
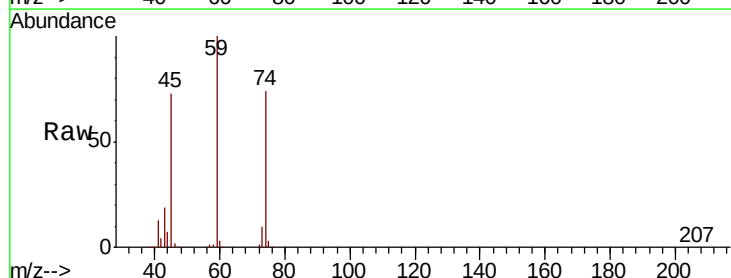
Tot Ion:101 Resp: 463099
Ion Ratio Lower Upper
101 100
103 63.9 50.5 75.7

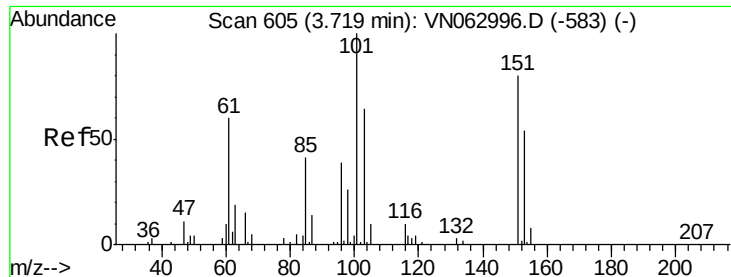


#8

Diethyl Ether
Concen: 145.599 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 74 Resp: 160805
Ion Ratio Lower Upper
74 100
45 98.1 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.491 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

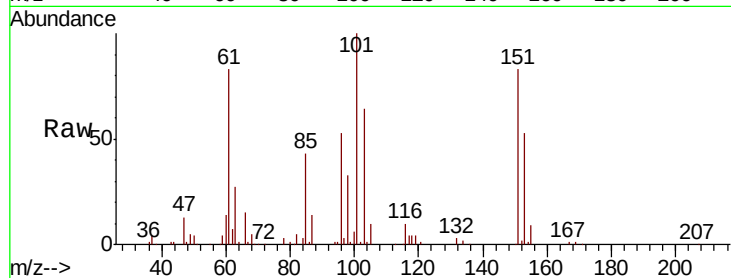
Tot Ion:101 Resp: 227933

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

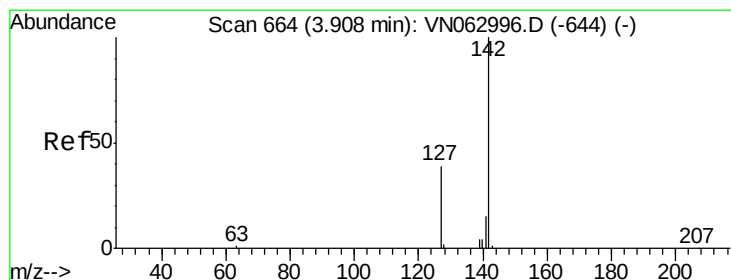
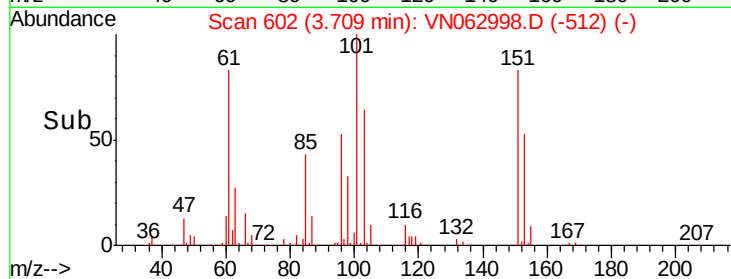
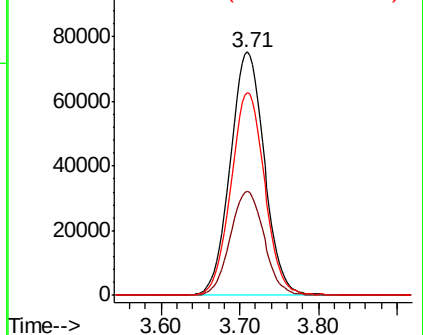
151 82.3 65.8 98.8



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: 160.027 ug/l

RT: 3.90 min Scan# 662

Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

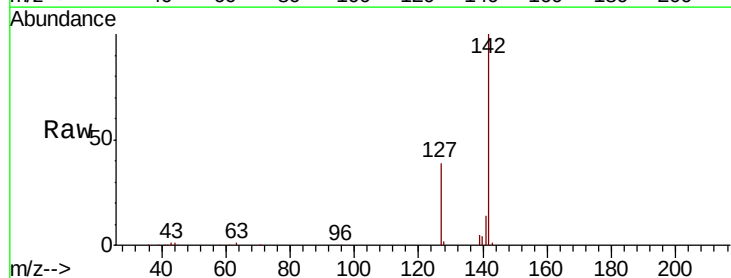
Tgt Ion:142 Resp: 341230

Ion Ratio Lower Upper

142 100

127 39.7 32.2 48.4

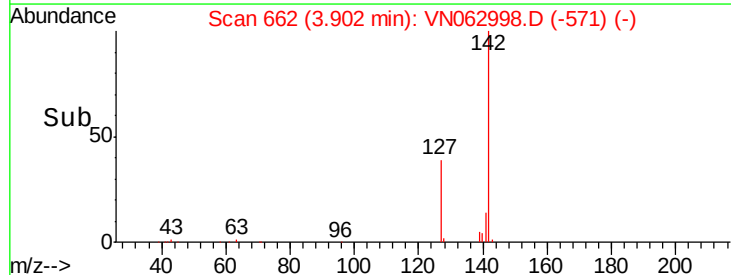
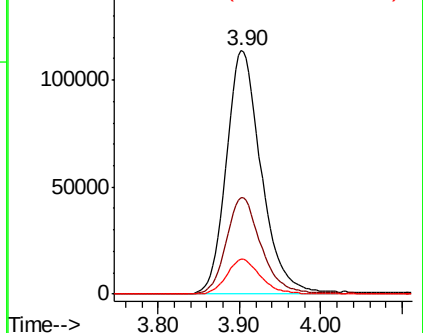
141 14.1 11.3 16.9

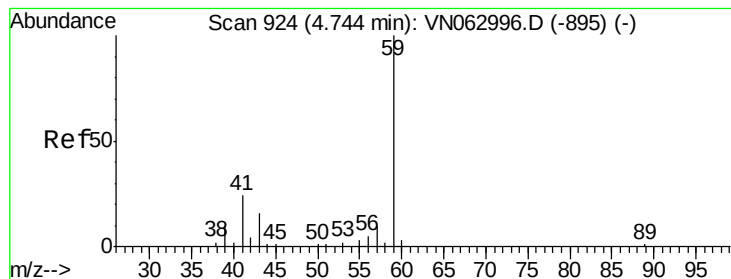


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



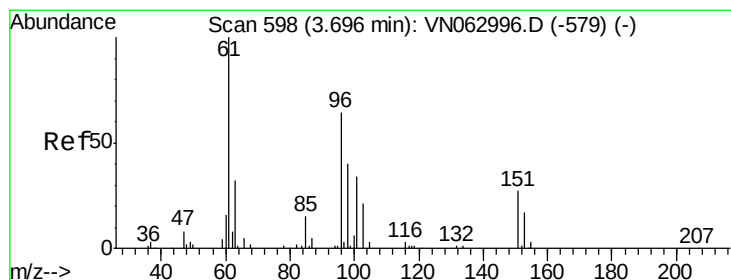
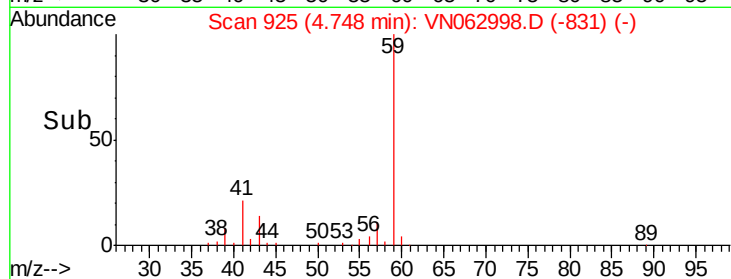
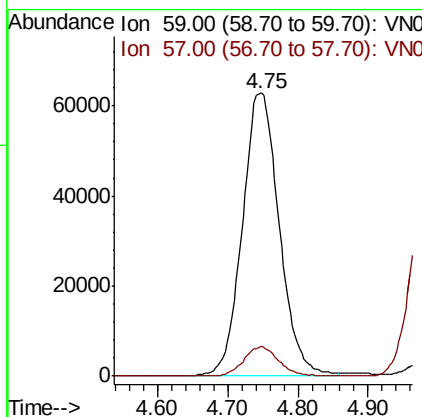
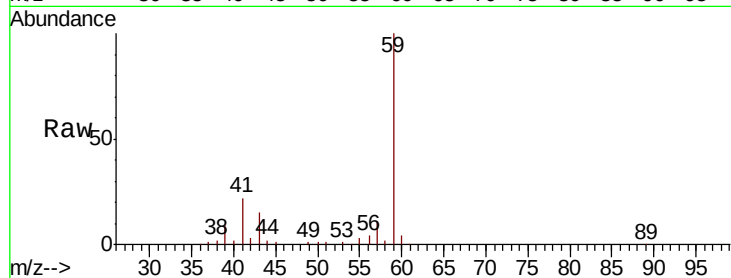


#11

Tert butyl alcohol
 Concen: 723.823 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

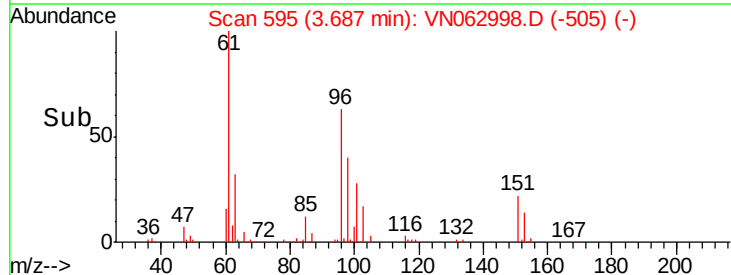
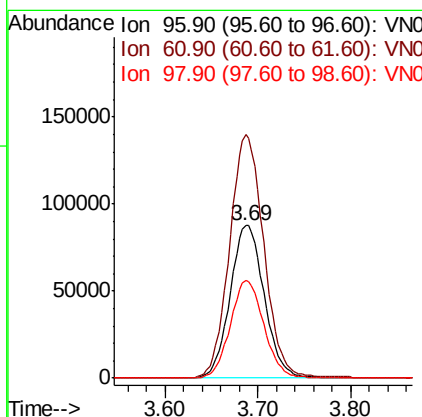
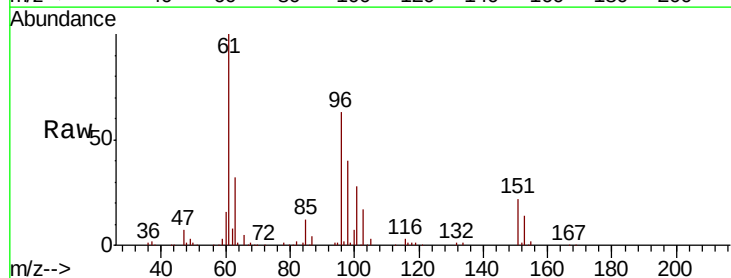
Tot Ion: 59 Resp: 229410
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.6

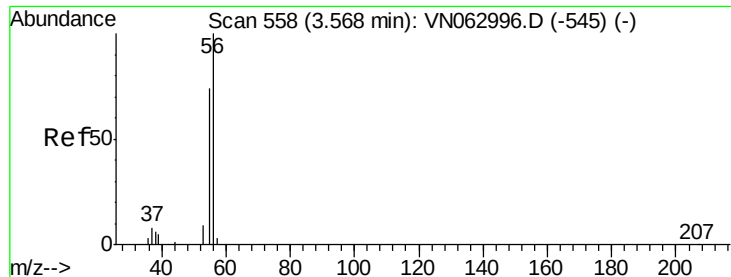


#12

1,1-Dichloroethene
 Concen: 139.665 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion: 96 Resp: 223822
 Ion Ratio Lower Upper
 96 100
 61 159.8 125.5 188.3
 98 64.4 50.4 75.6





#13

Acrolein

Concen: 530.134 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

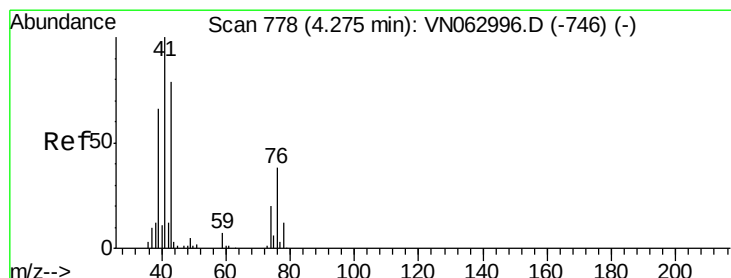
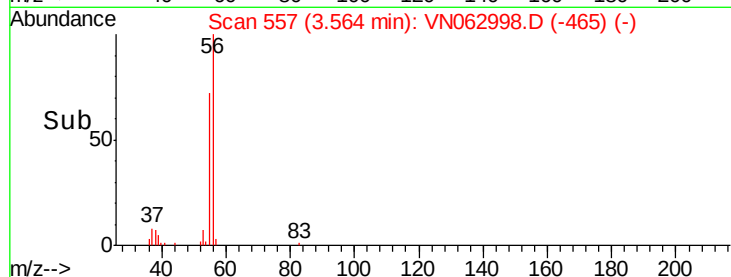
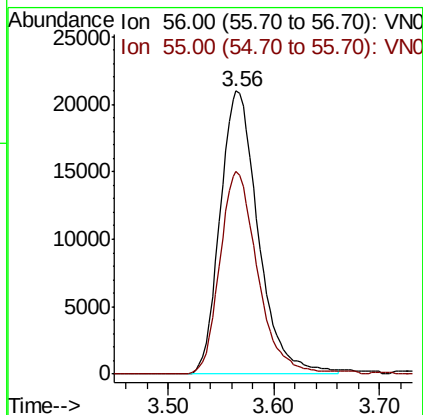
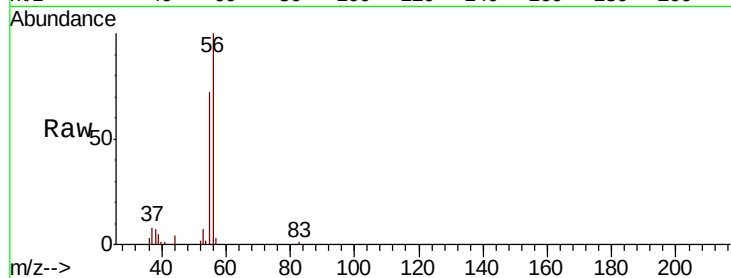
VSTDIC150

Tot Ion: 56 Resp: 52637

Ion Ratio Lower Upper

56 100

55 70.9 58.4 87.6



#14

Allyl chloride

Concen: 146.496 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

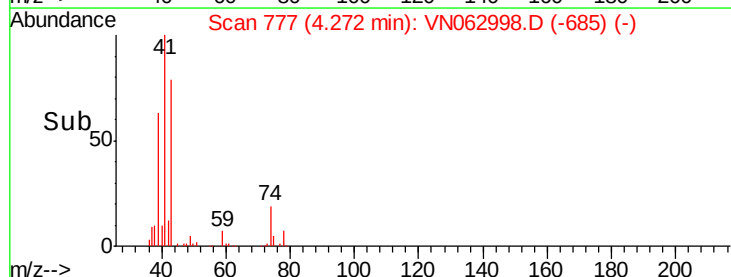
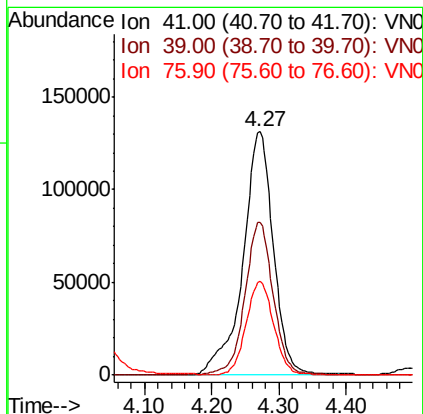
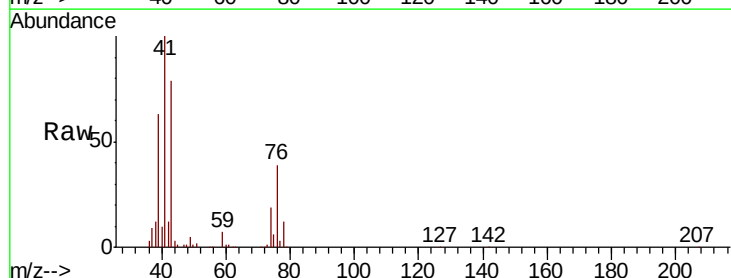
Tgt Ion: 41 Resp: 413941

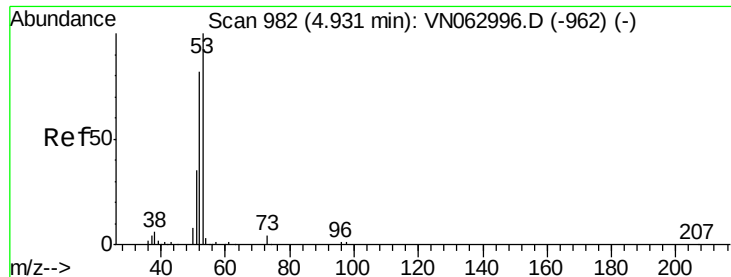
Ion Ratio Lower Upper

41 100

39 58.0 47.9 71.9

76 34.5 27.0 40.6





#15

Acrylonitrile

Concen: 762.366 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

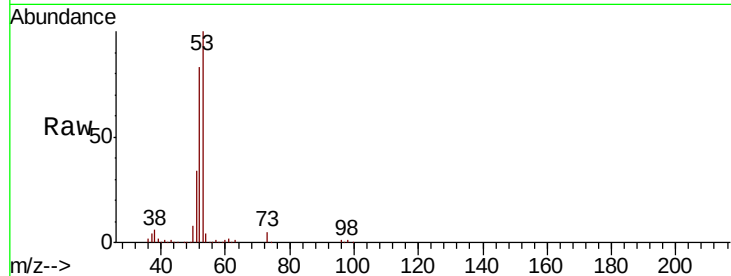
Tot Ion: 53 Resp: 710185

Ion Ratio Lower Upper

53 100

52 82.4 65.6 98.4

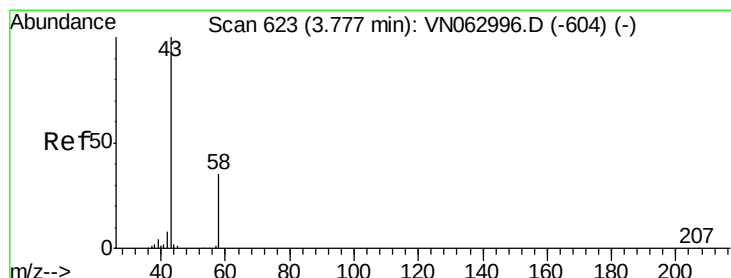
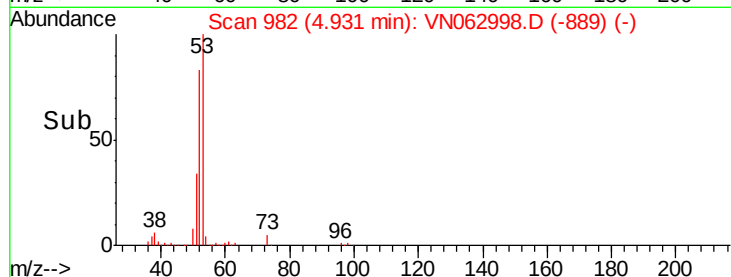
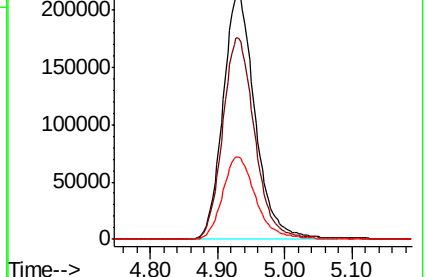
51 35.0 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN062998.D (-962) (-)

Ion 52.00 (51.70 to 52.70): VN062998.D (-962) (-)

Ion 51.00 (50.70 to 51.70): VN062998.D (-962) (-)



#16

Acetone

Concen: 661.506 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062998.D

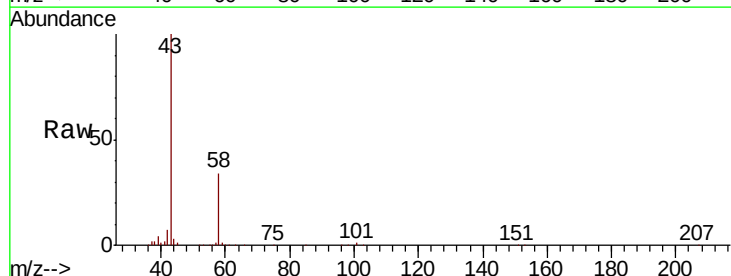
Acq: 18 Aug 2020 20:42

Tgt Ion: 43 Resp: 504040

Ion Ratio Lower Upper

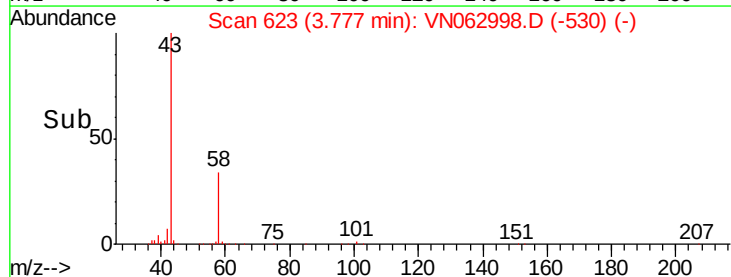
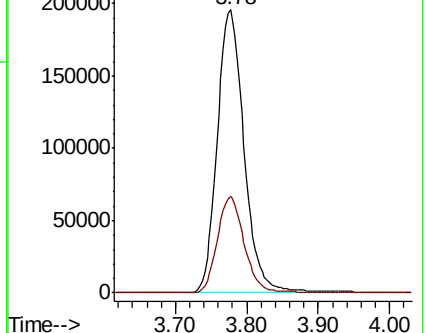
43 100

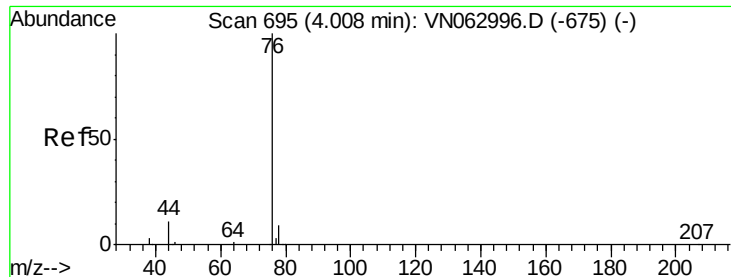
58 34.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN062998.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062998.D (-604) (-)

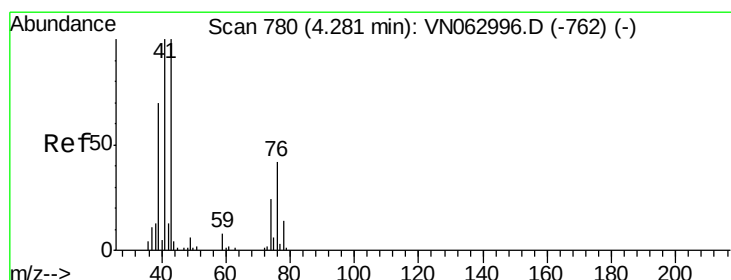
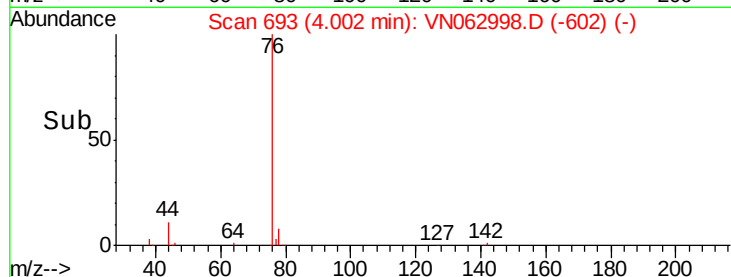
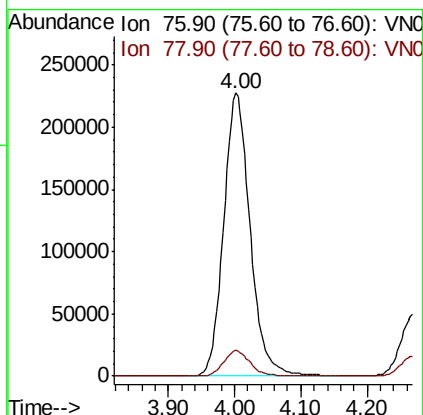
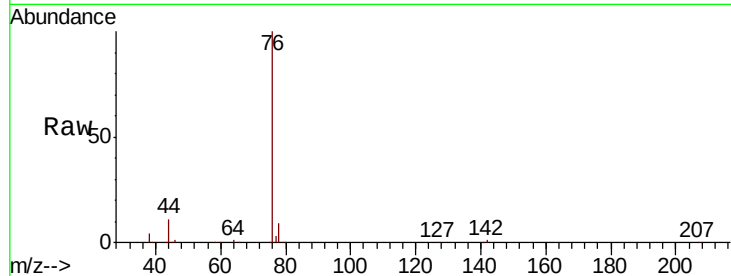




#17
Carbon Disulfide
Concen: 149.887 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

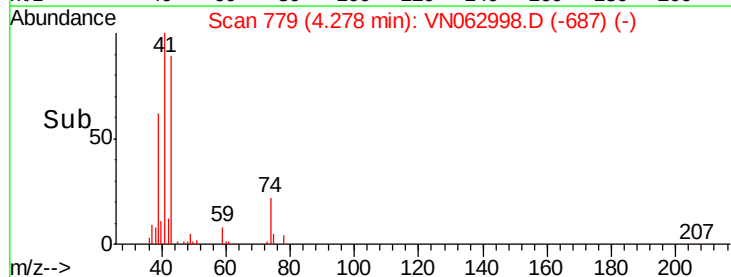
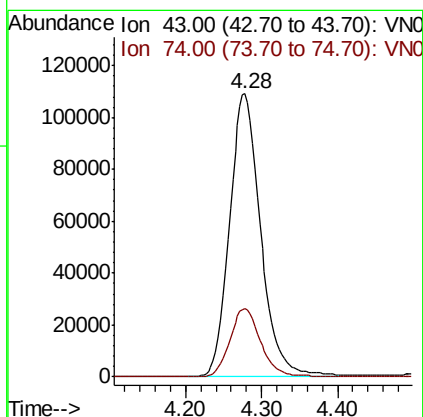
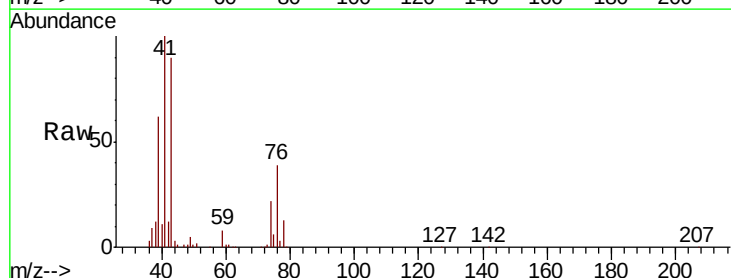
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

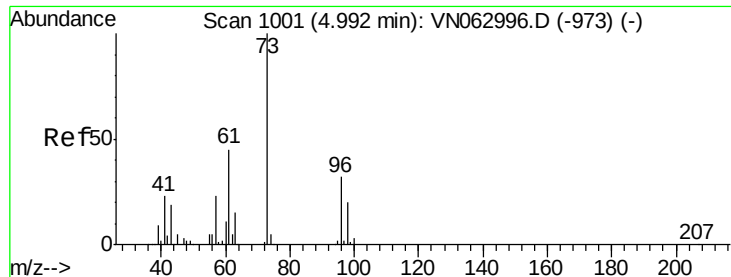
Tot Ion: 76 Resp: 629070
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 138.471 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 43 Resp: 307909
Ion Ratio Lower Upper
43 100
74 24.2 18.6 28.0

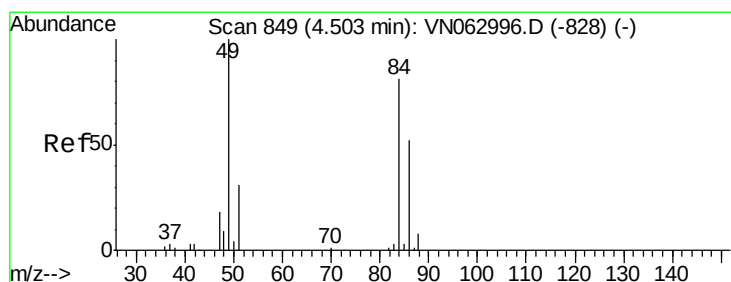
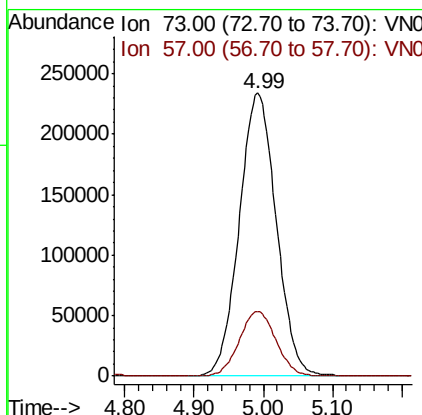
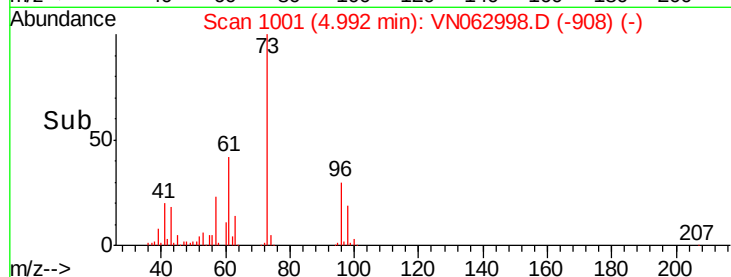
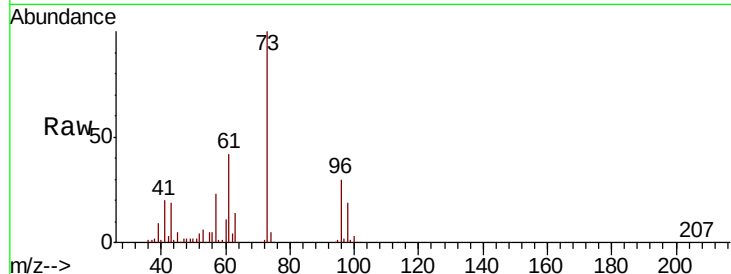




#19
Methvl tert-butvl Ether
Concen: 155.116 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

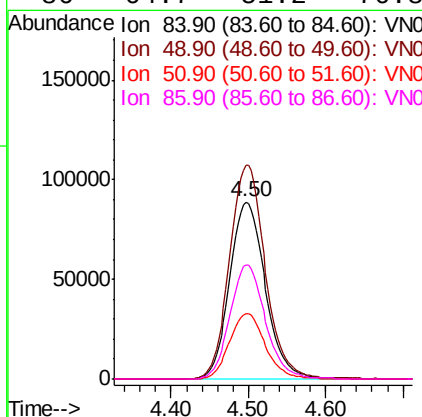
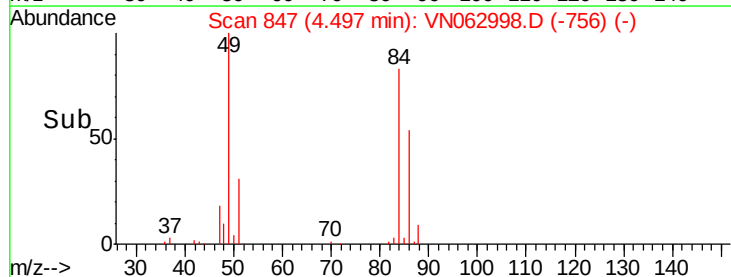
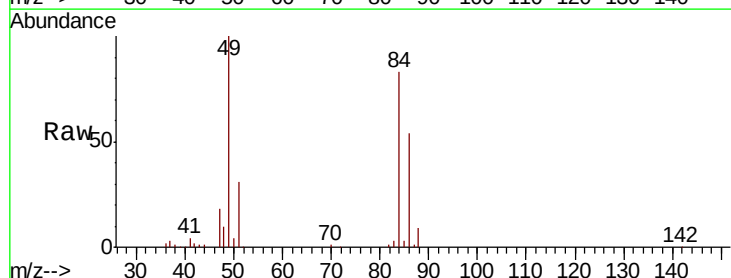
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

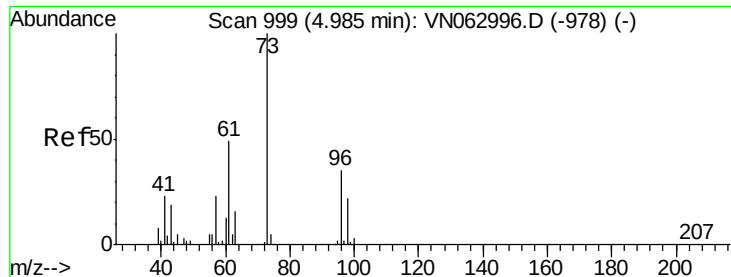
Tot Ion: 73 Resp: 866916
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1



#20
Methylene Chloride
Concen: 113.357 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 84 Resp: 284793
Ion Ratio Lower Upper
84 100
49 120.6 98.7 148.1
51 37.2 30.8 46.2
86 64.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 146.509 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

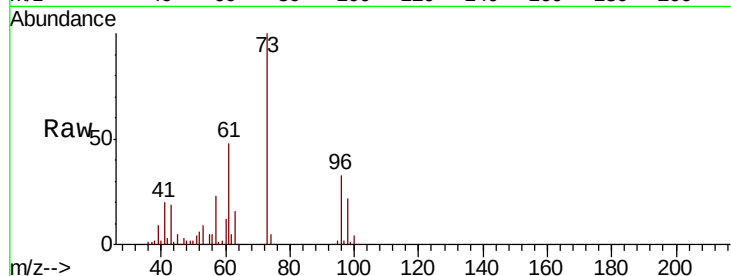
Tot Ion: 96 Resp: 245711

Ion Ratio Lower Upper

96 100

61 144.0 112.5 168.7

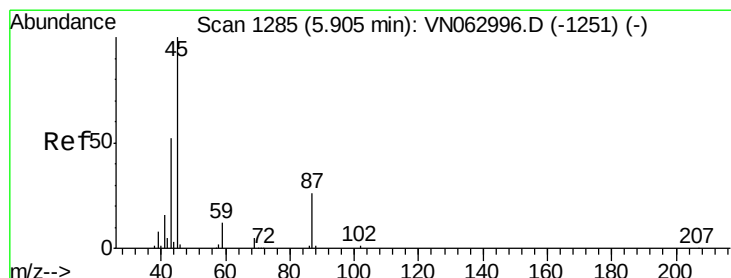
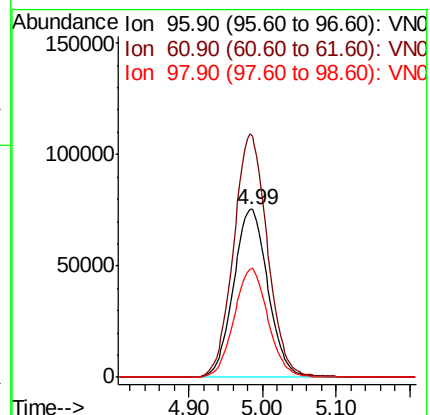
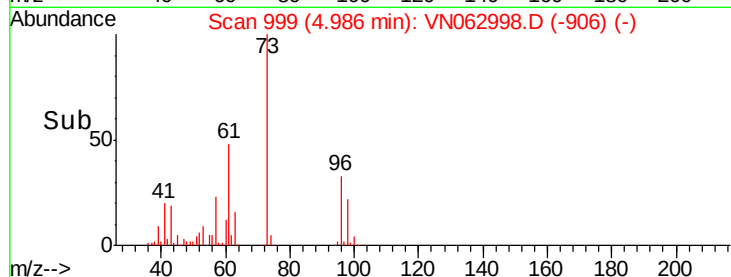
98 64.7 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN062998.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN062998.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN062998.D (-906) (-)



#22

Diisopropyl ether

Concen: 150.768 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion: 45 Resp: 966735

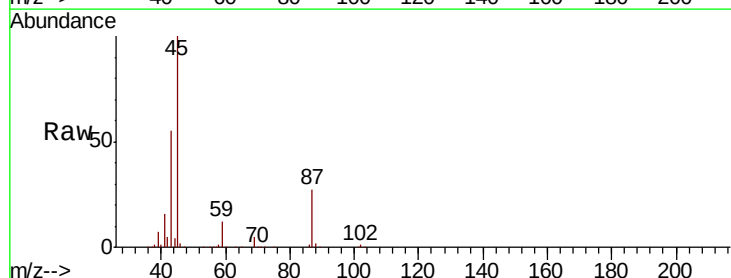
Ion Ratio Lower Upper

45 100

43 54.5 45.7 68.5

87 27.2 21.8 32.6

59 12.0 9.3 13.9

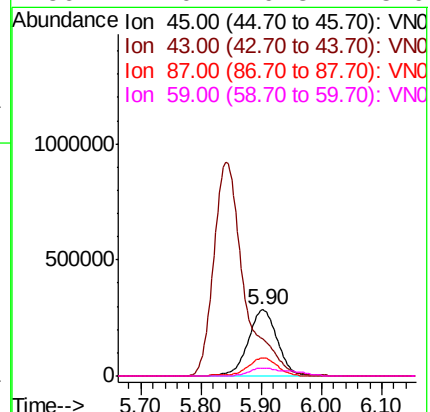
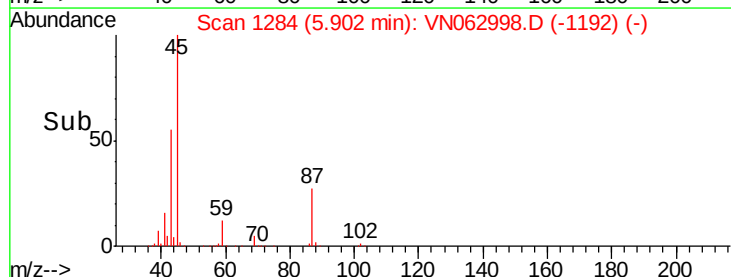


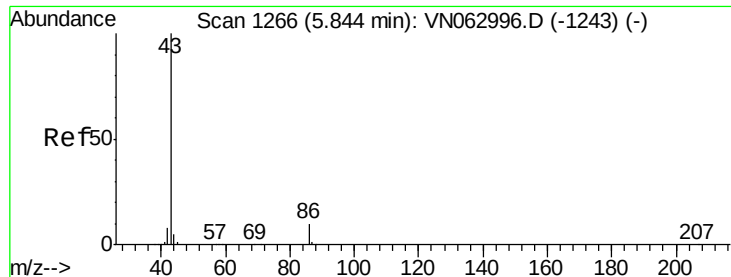
Abundance Ion 45.00 (44.70 to 45.70): VN062998.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN062998.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN062998.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN062998.D (-1192) (-)





#23

Vinyl Acetate

Concen: 738.357 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

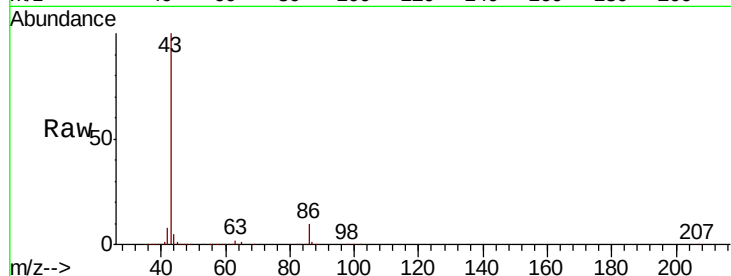
VSTDIC150

Tot Ion: 43 Resp: 3194820

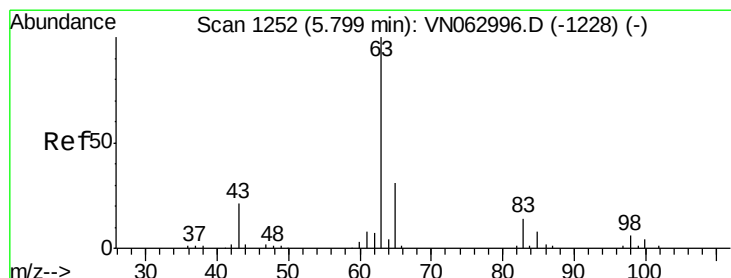
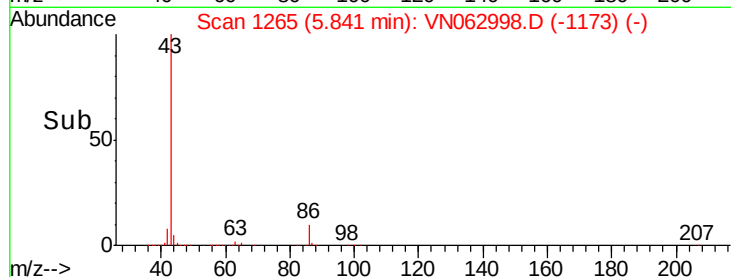
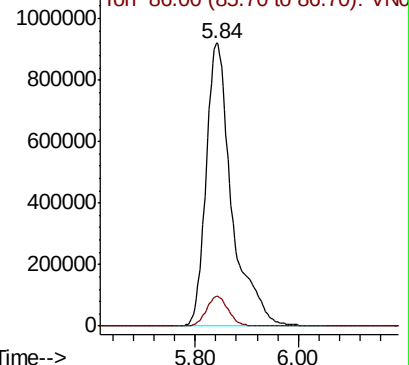
Ion Ratio Lower Upper

43 100

86 10.4 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN062998.D (-1243) (-)



#24

1,1-Dichloroethane

Concen: 139.884 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

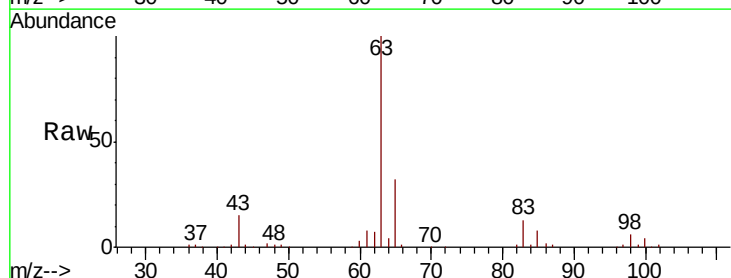
Tgt Ion: 63 Resp: 501219

Ion Ratio Lower Upper

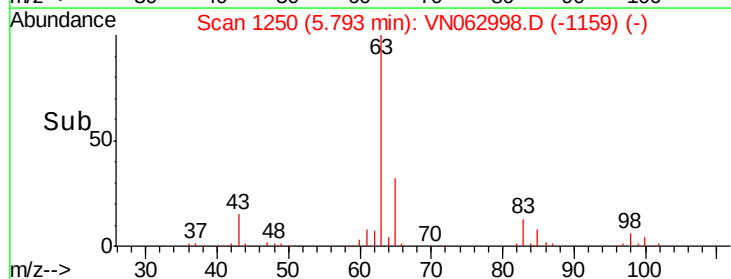
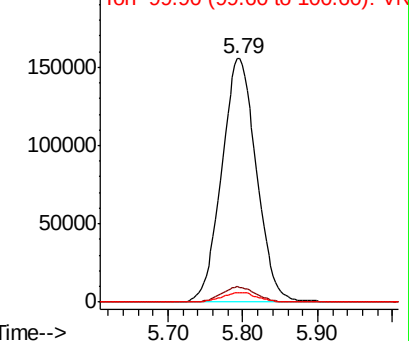
63 100

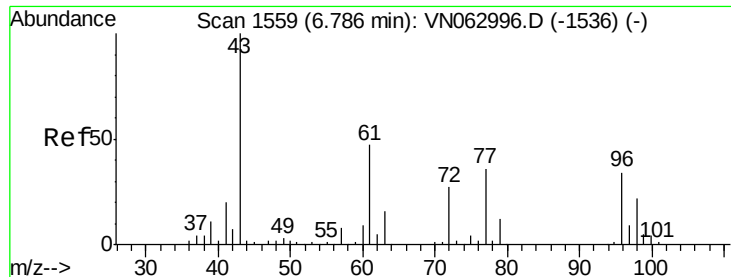
98 6.2 2.9 8.7

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062998.D (-1228) (-)

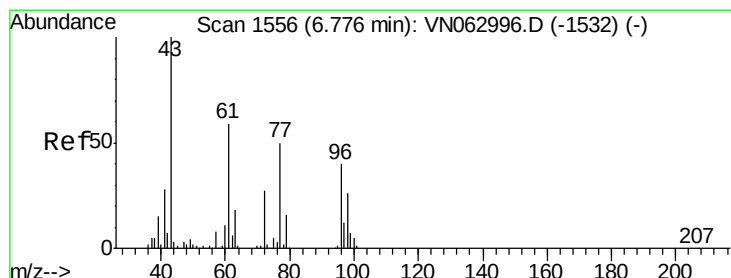
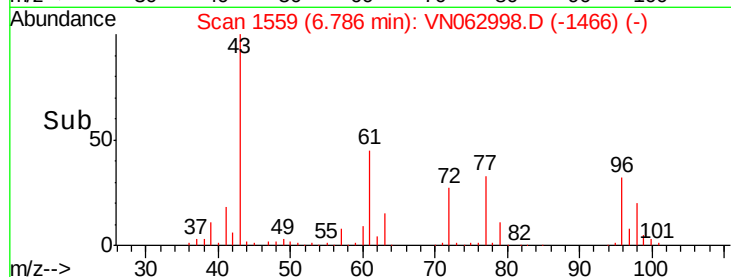
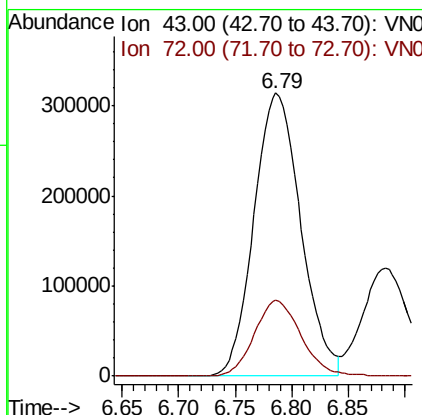
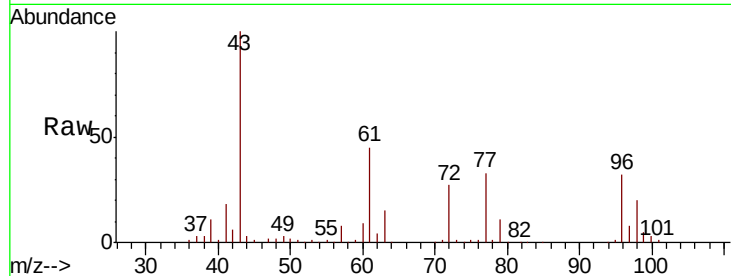




#25
2-Butanone
Concen: 757.888 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

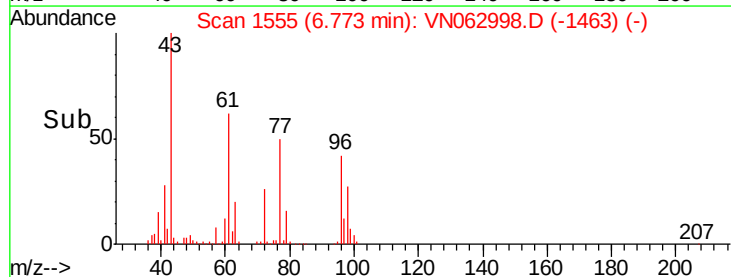
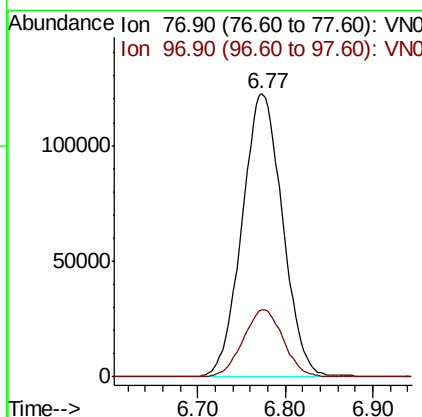
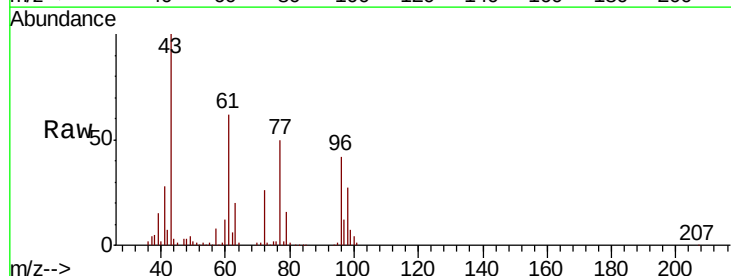
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

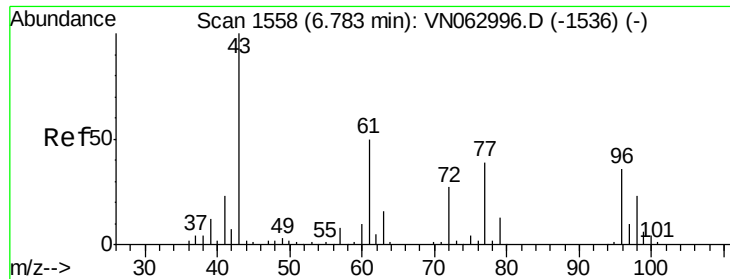
Tot Ion: 43 Resp: 900320
Ion Ratio Lower Upper
43 100
72 27.0 21.8 32.6



#26
2,2-Dichloropropane
Concen: 139.595 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 77 Resp: 393365
Ion Ratio Lower Upper
77 100
97 23.5 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 148.334 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

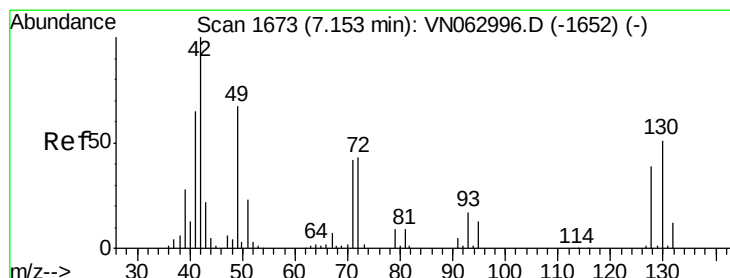
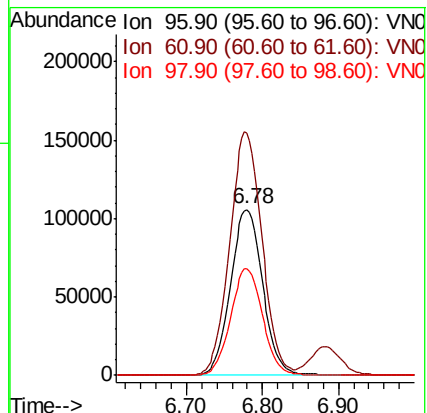
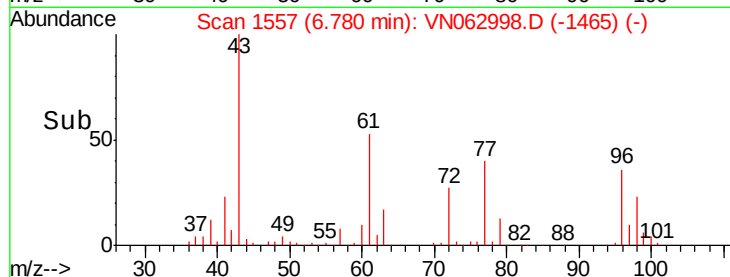
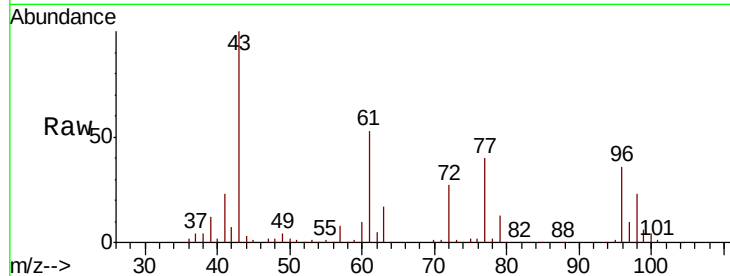
Tot Ion: 96 Resp: 311811

Ion Ratio Lower Upper

96 100

61 147.2 0.0 292.8

98 64.4 0.0 130.6



#28

Bromochloromethane

Concen: 147.747 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

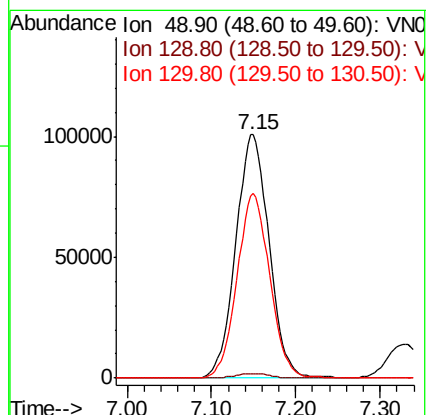
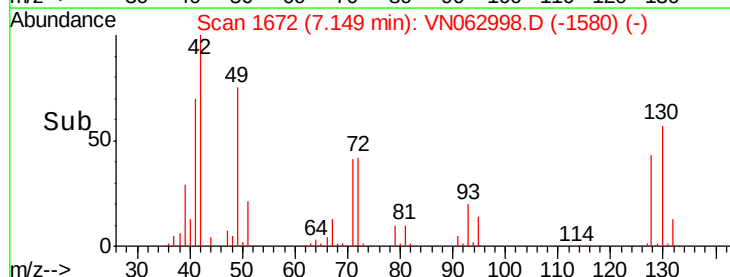
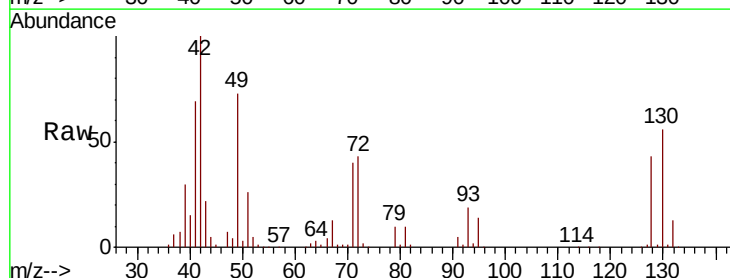
Tgt Ion: 49 Resp: 276993

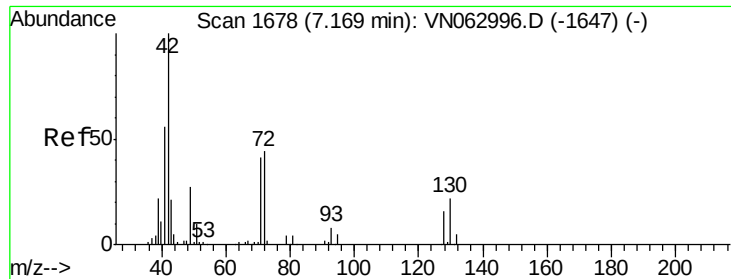
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 74.6 61.1 91.7

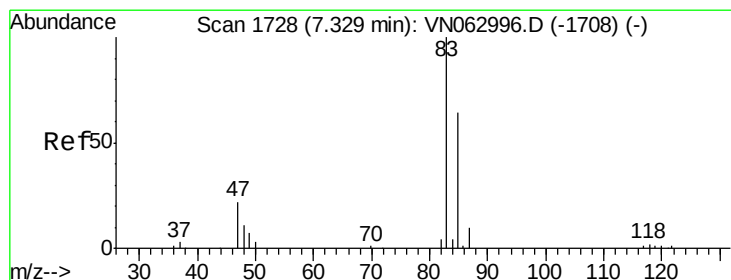
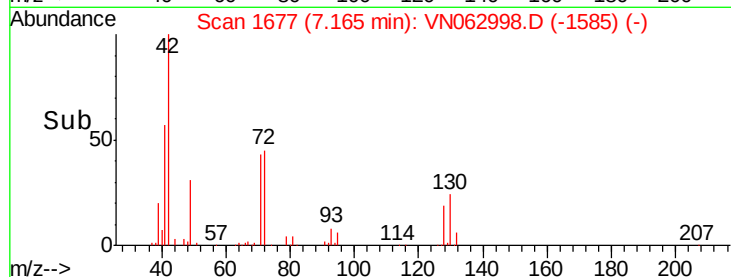
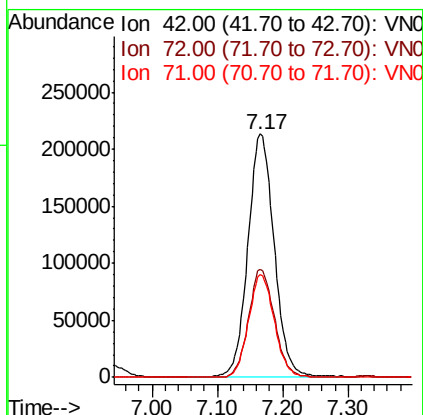
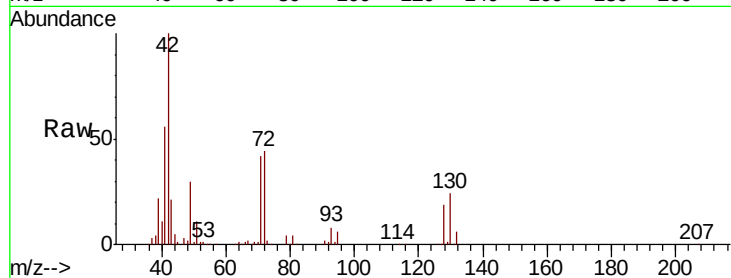




#29
Tetrahydrofuran
Concen: 782.778 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

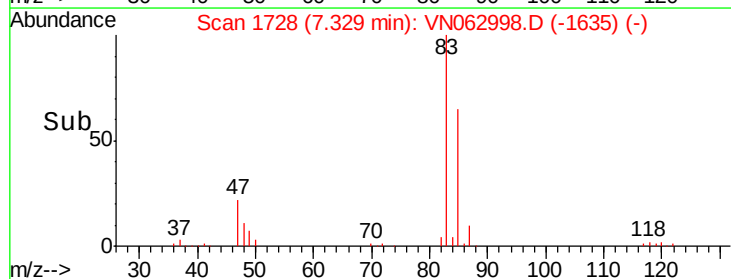
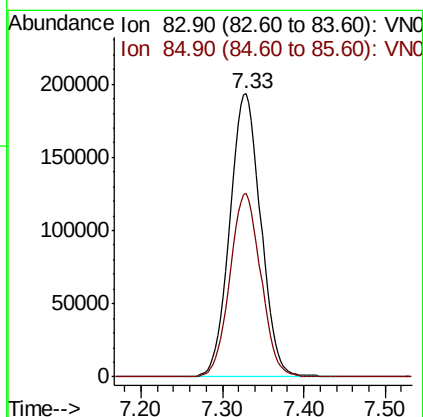
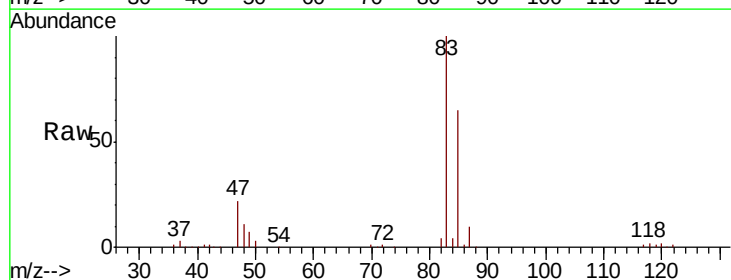
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

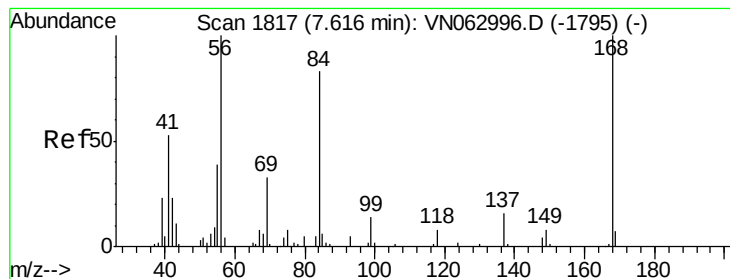
Tot Ion: 42 Resp: 600149
Ion Ratio Lower Upper
42 100
72 43.7 34.6 52.0
71 41.3 32.3 48.5



#30
Chloroform
Concen: 142.370 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 83 Resp: 513761
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3





#31

Cyclohexane

Concen: 154.698 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

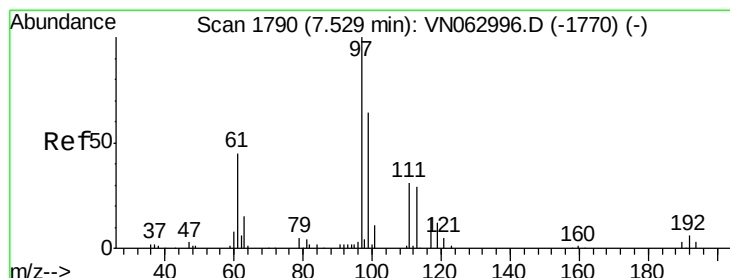
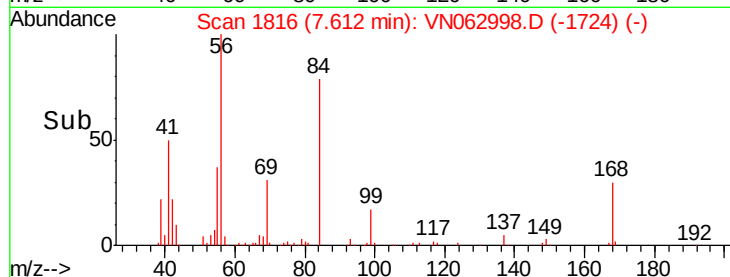
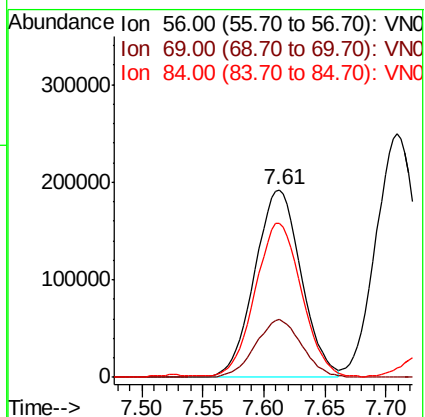
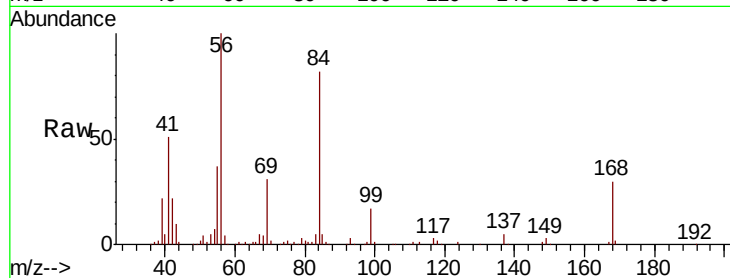
Tot Ion: 56 Resp: 510171

Ion Ratio Lower Upper

56 100

69 30.7 26.6 40.0

84 81.1 66.4 99.6



#32

1,1,1-Trichloroethane

Concen: 144.819 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

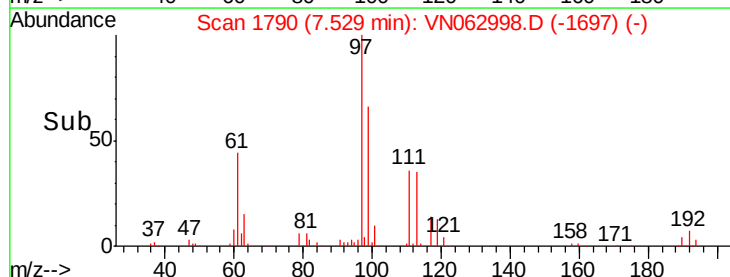
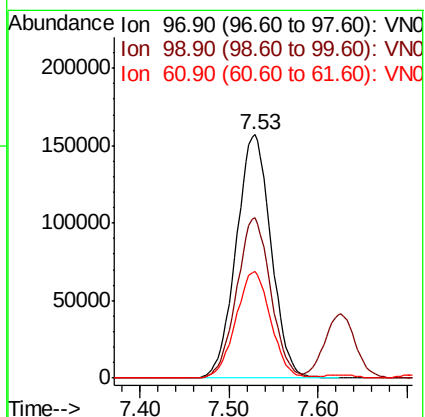
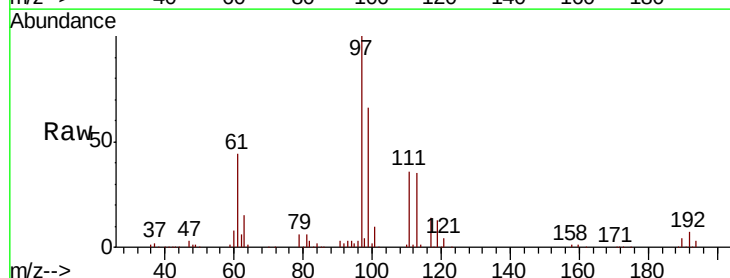
Tgt Ion: 97 Resp: 426648

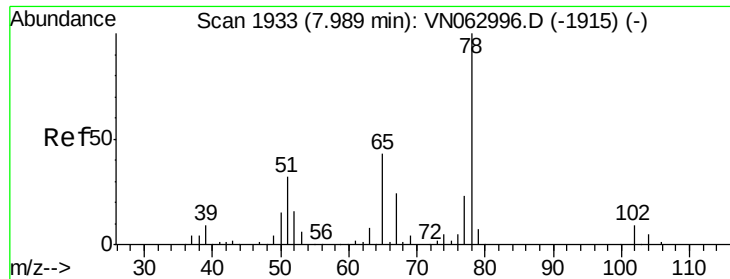
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 43.7 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 149.480 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

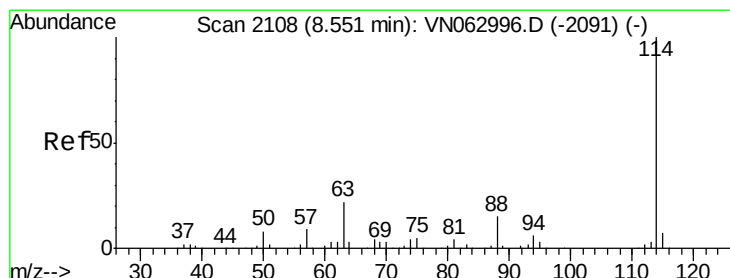
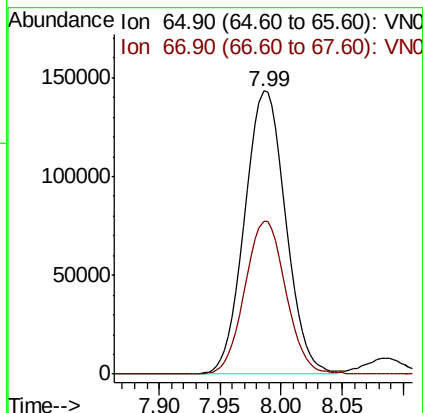
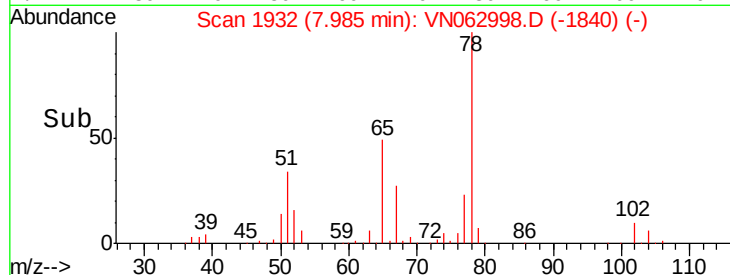
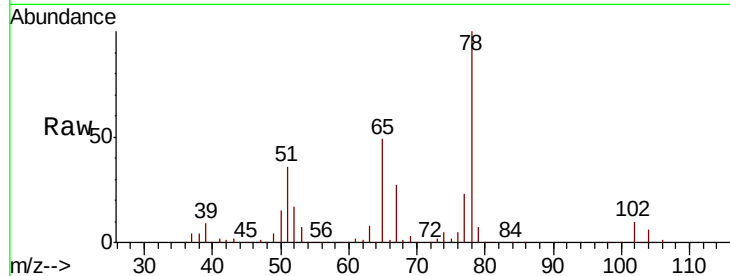
VSTDIC150

Tot Ion: 65 Resp: 334473

Ion Ratio Lower Upper

65 100

67 54.2 0.0 112.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

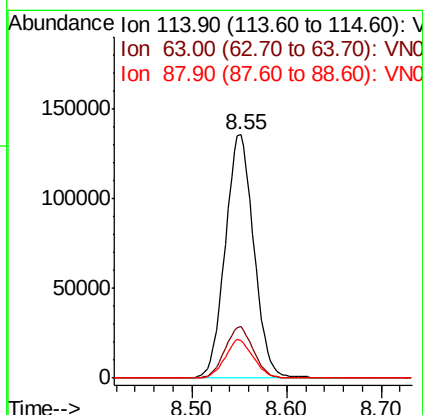
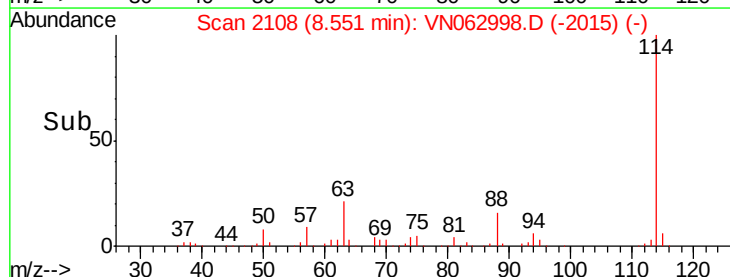
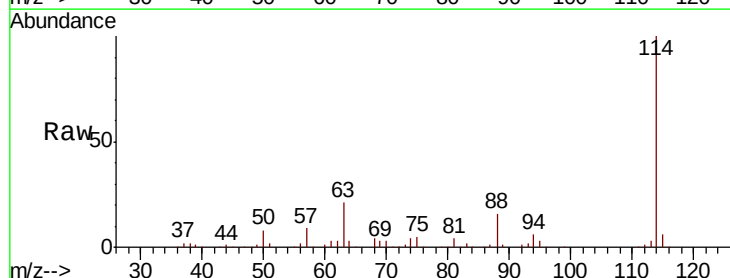
Tgt Ion: 114 Resp: 284783

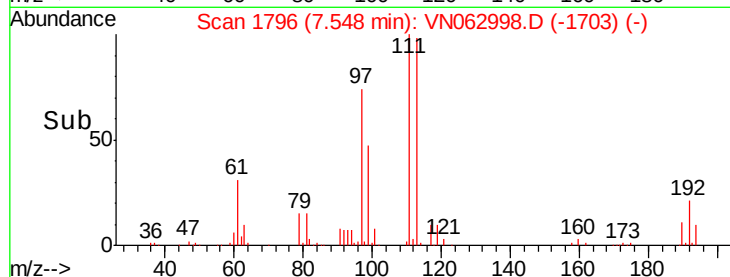
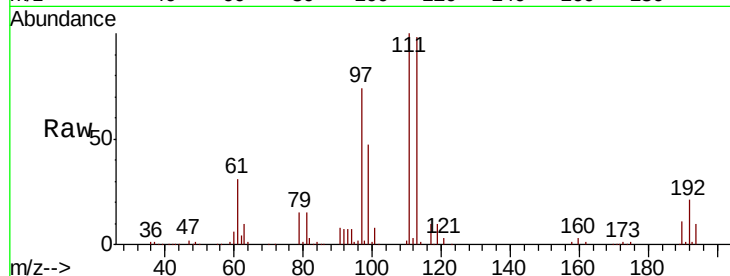
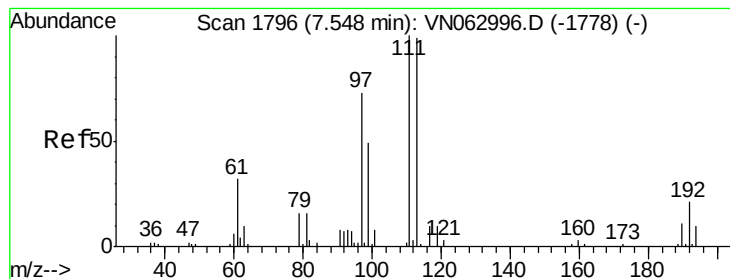
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 148.944 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

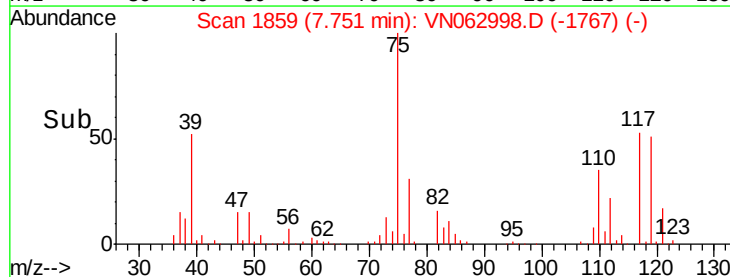
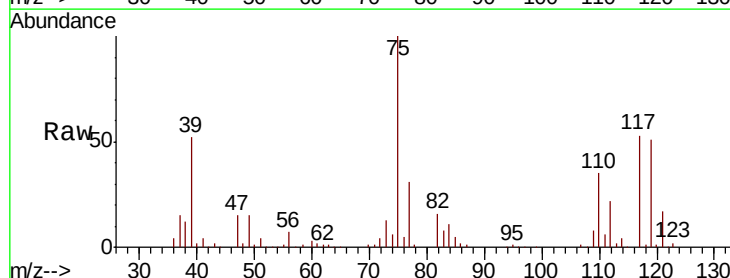
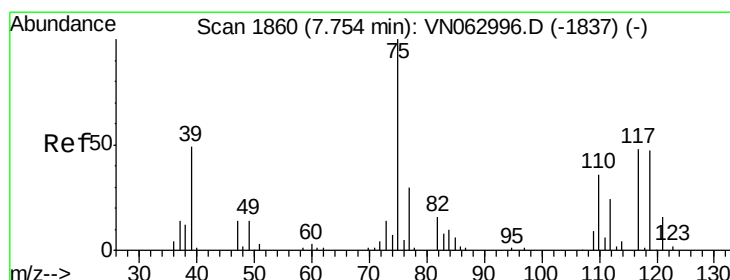
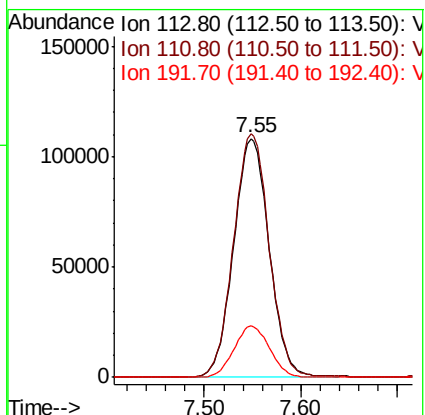
Tot Ion:113 Resp: 276386

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

192 21.7 17.5 26.3



#36

1,1-Dichloropropene

Concen: 148.900 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

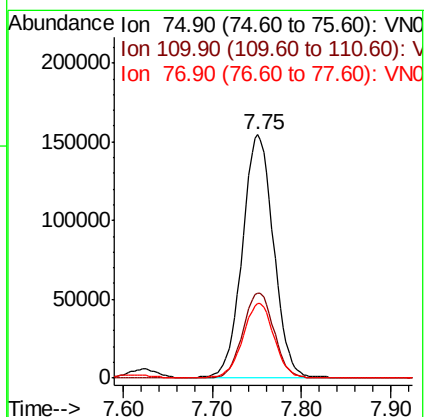
Tgt Ion: 75 Resp: 373688

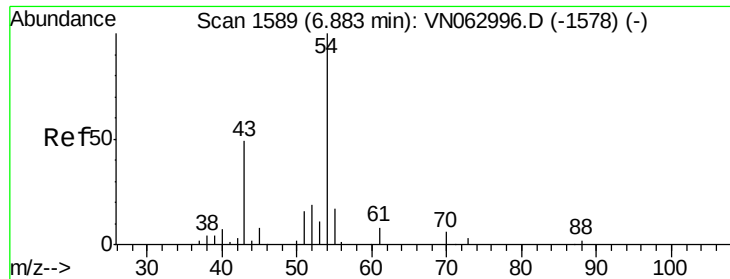
Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.6

77 31.3 24.2 36.4

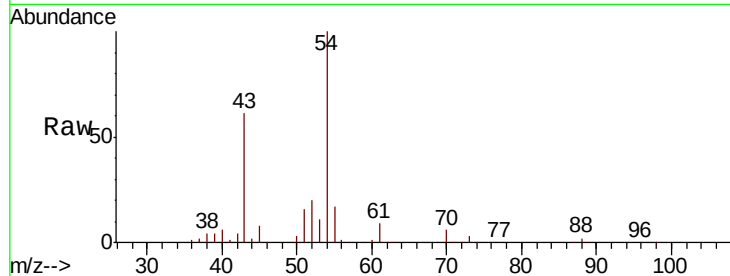




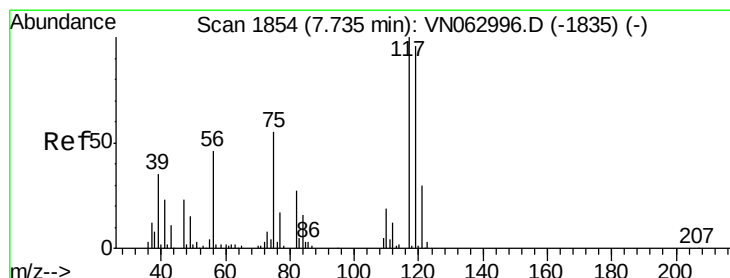
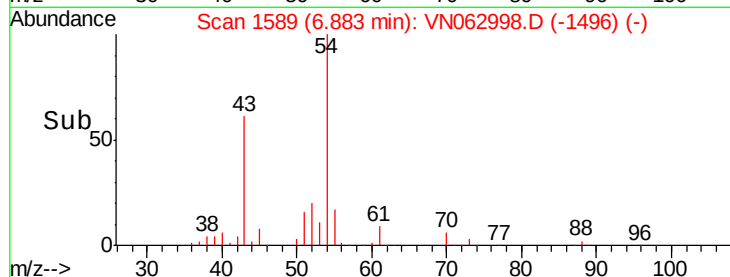
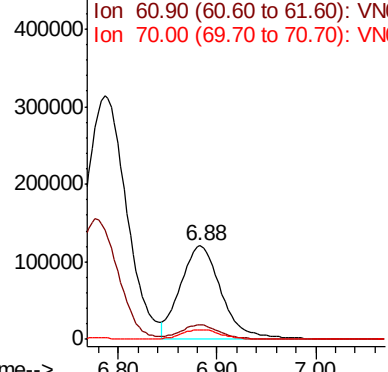
#37
Ethyl Acetate
Concen: 145.459 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 342909
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 10.3 8.2 12.2

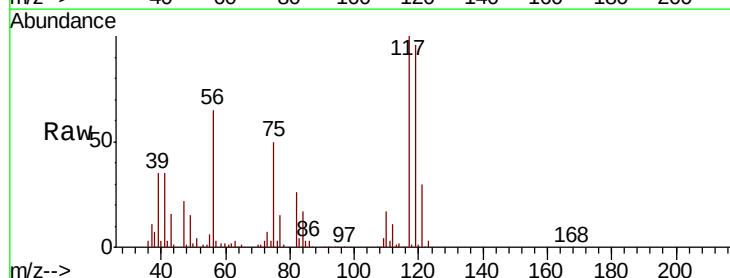


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

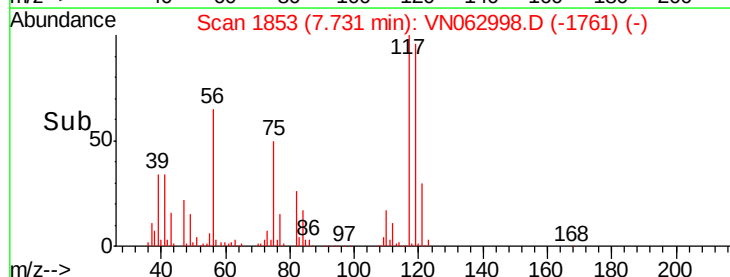
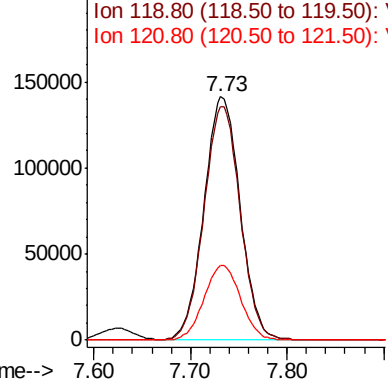


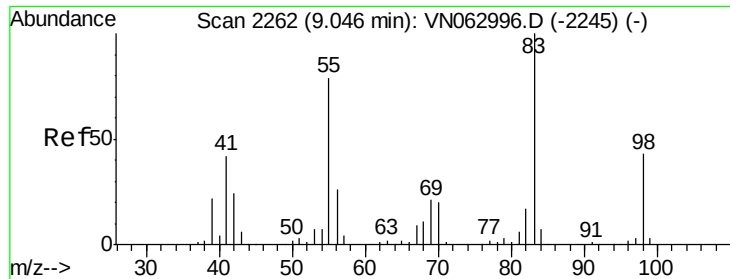
#38
Carbon Tetrachloride
Concen: 144.416 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 117 Resp: 365907
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.4
121 30.5 24.2 36.2



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

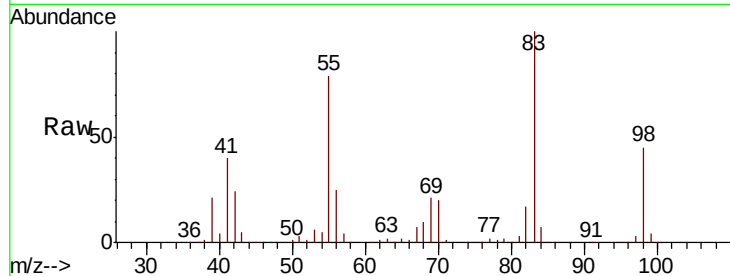




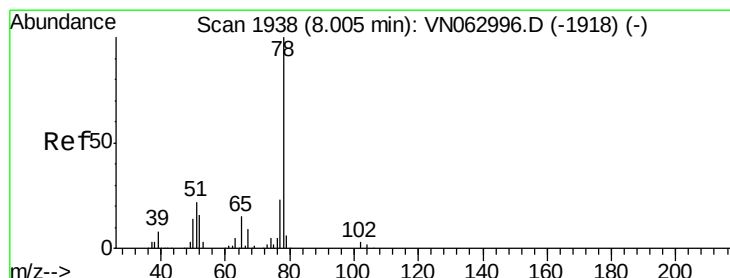
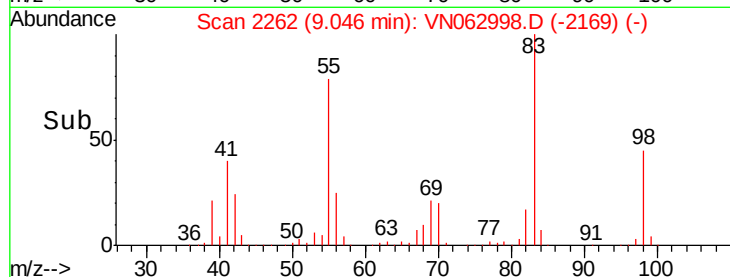
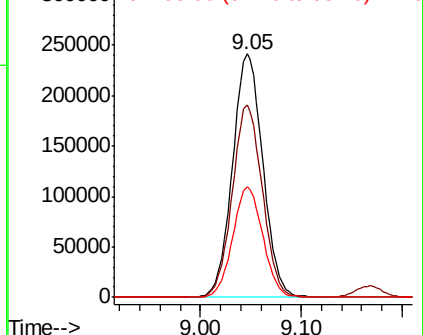
#39
Methylvlcyclohexane
Concen: 170.082 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 504373
Ion Ratio Lower Upper
83 100
55 79.2 63.3 94.9
98 45.5 34.2 51.4

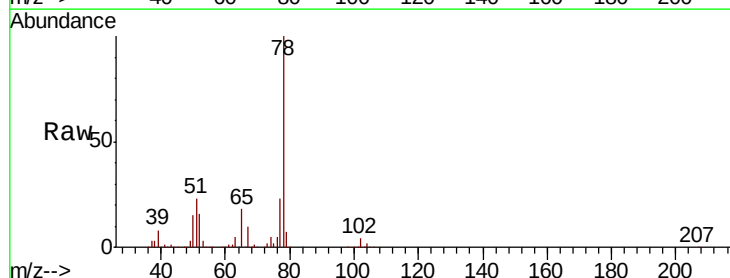


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

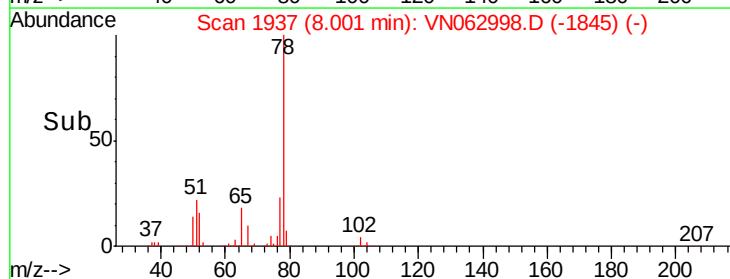
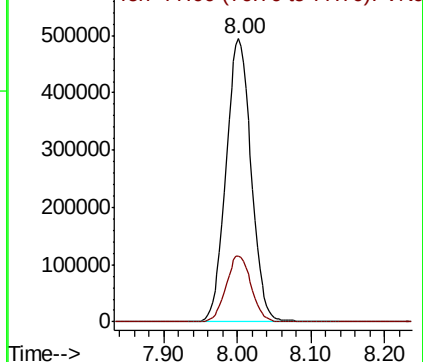


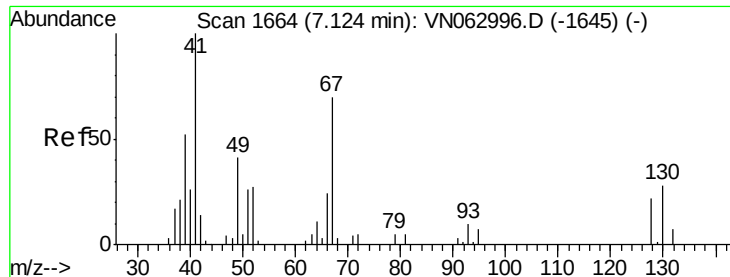
#40
Benzene
Concen: 147.012 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 78 Resp: 1170174
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

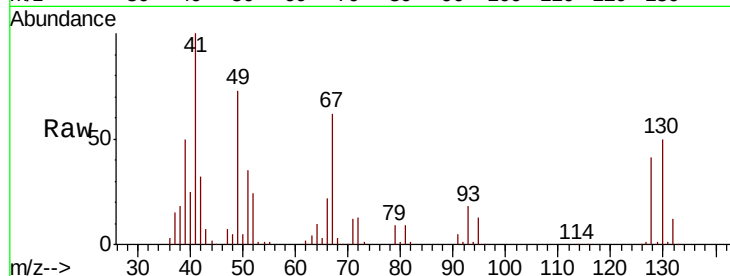




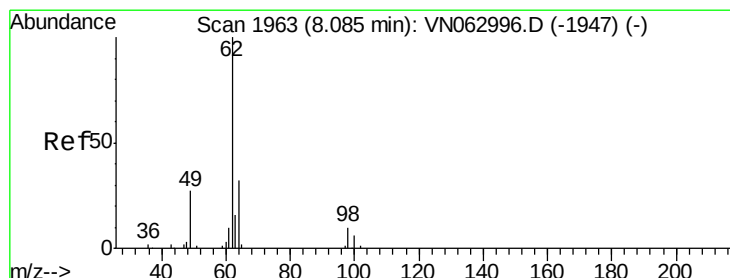
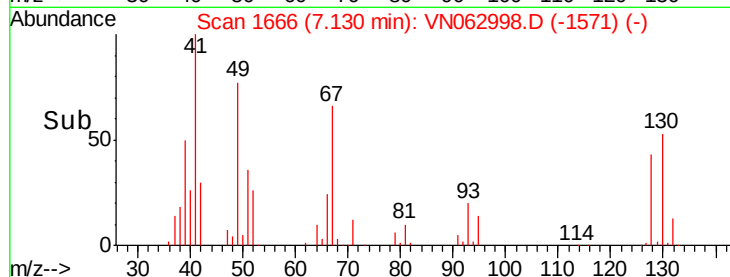
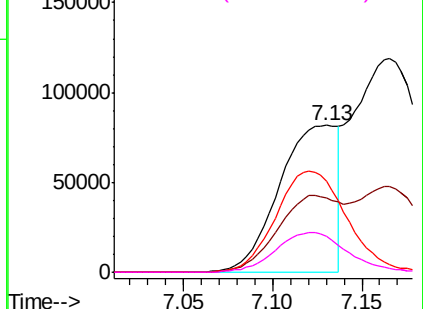
#41
Methacrylonitrile
Concen: 166.267 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	186288
Ion	Ratio	Lower	Upper
41	100		
39	55.8	41.6	62.4
67	84.0	71.8	107.8
52	32.7	28.2	42.4

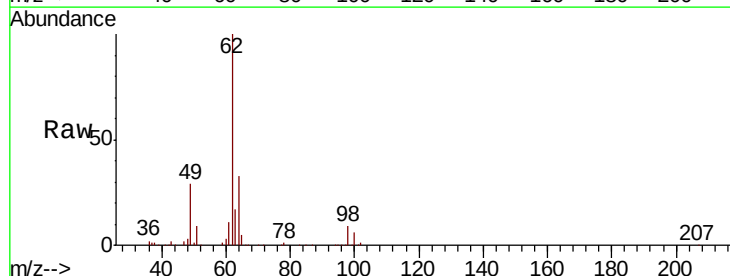


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

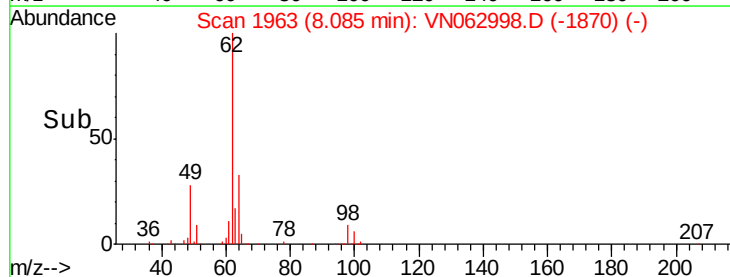
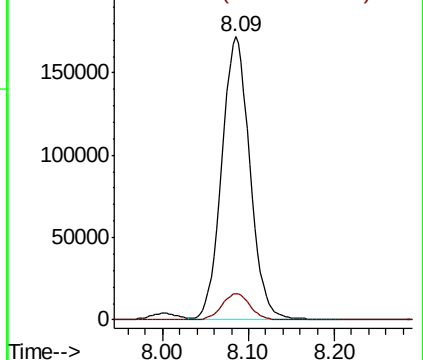


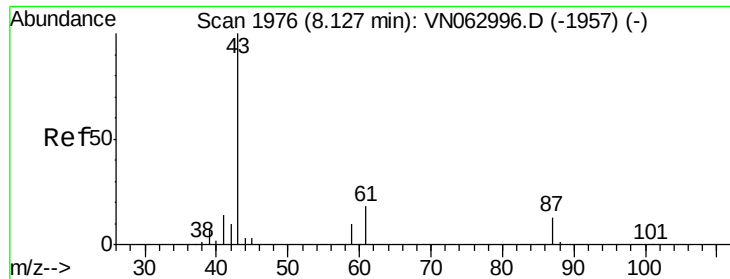
#42
1,2-Dichloroethane
Concen: 146.227 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:	62	Resp:	390819
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 155.012 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

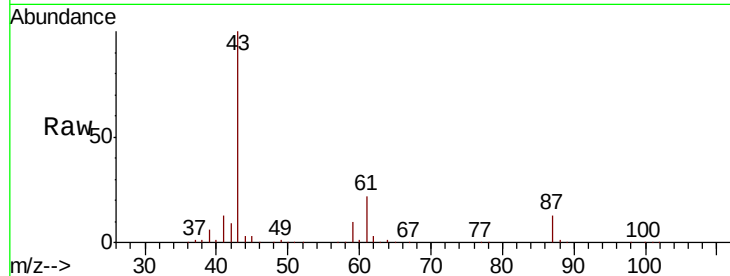
Tot Ion: 43 Resp: 603903

Ion Ratio Lower Upper

43 100

61 28.3 22.6 33.8

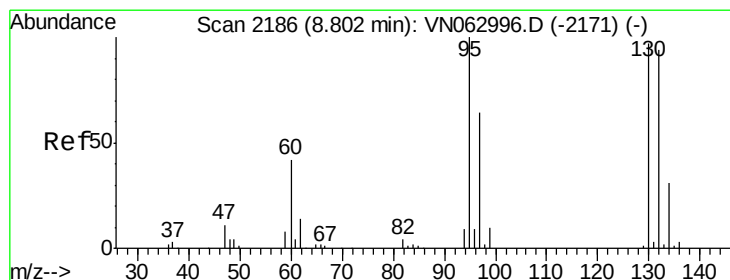
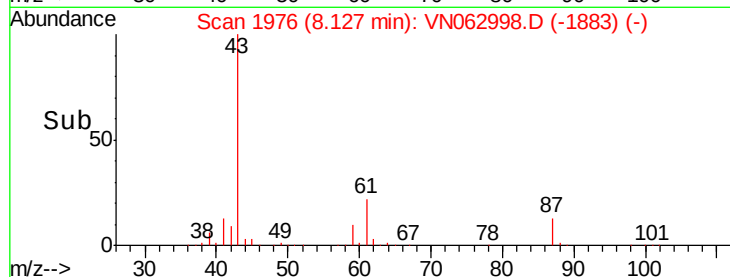
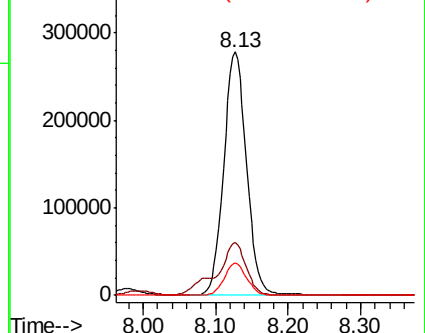
87 13.2 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VN062998.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062998.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062998.D (-1957) (-)



#44

Trichloroethene

Concen: 146.434 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062998.D

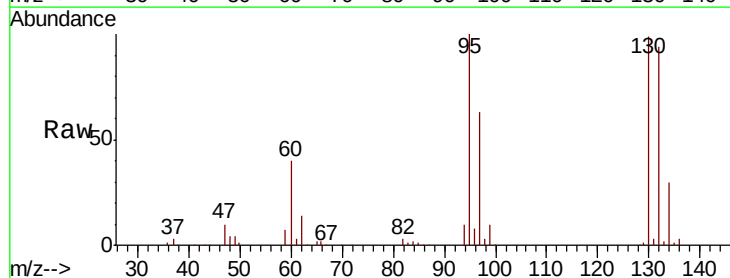
Acq: 18 Aug 2020 20:42

Tgt Ion:130 Resp: 289931

Ion Ratio Lower Upper

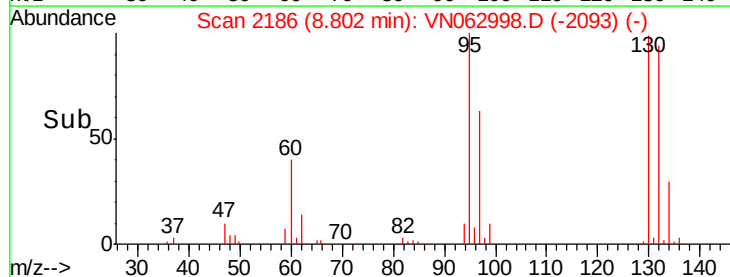
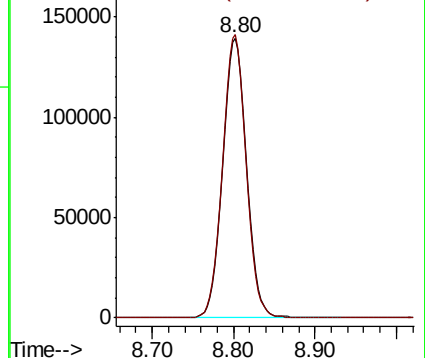
130 100

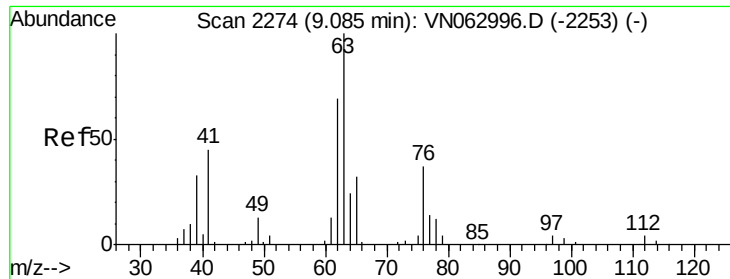
95 101.2 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN062998.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062998.D (-2093) (-)

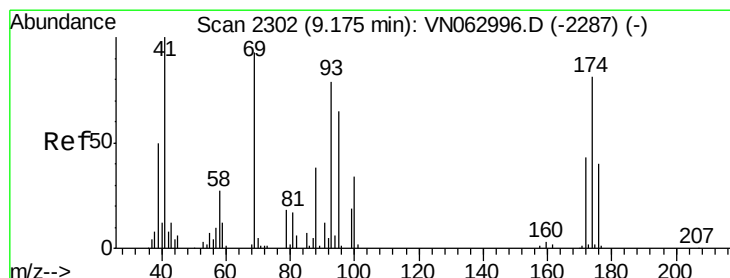
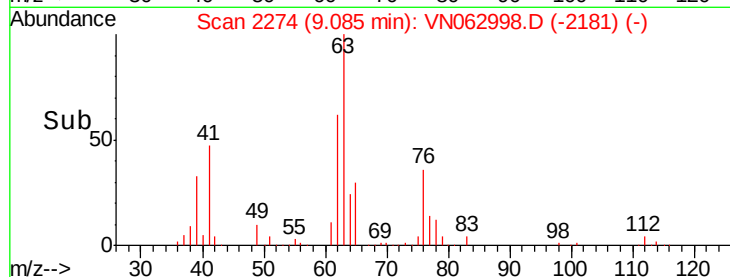
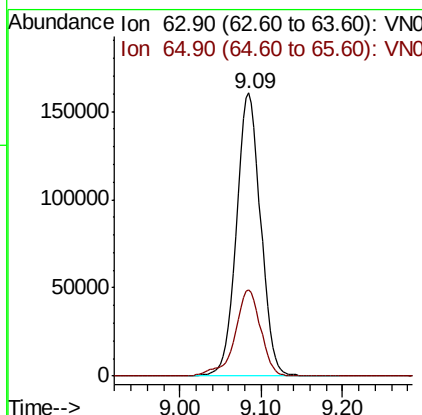
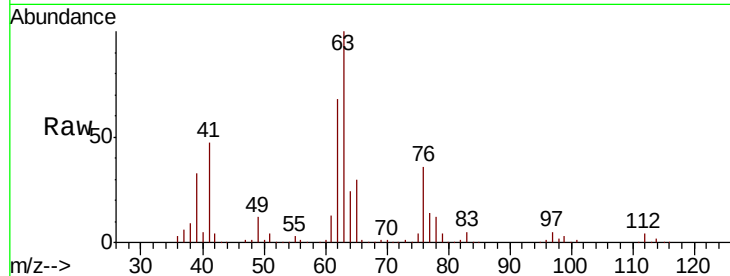




#45
 1,2-Dichloropropane
 Concen: 143.857 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

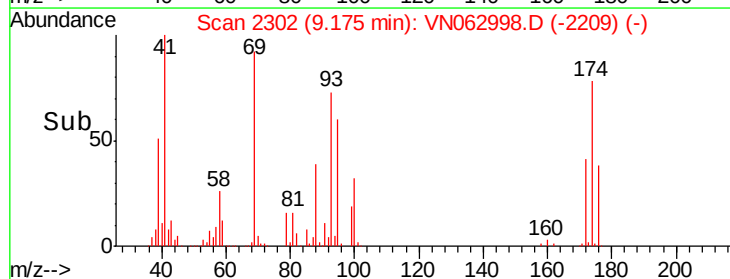
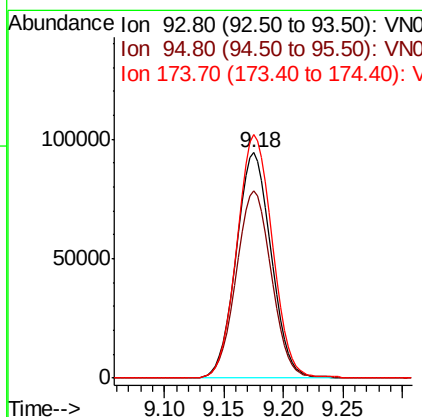
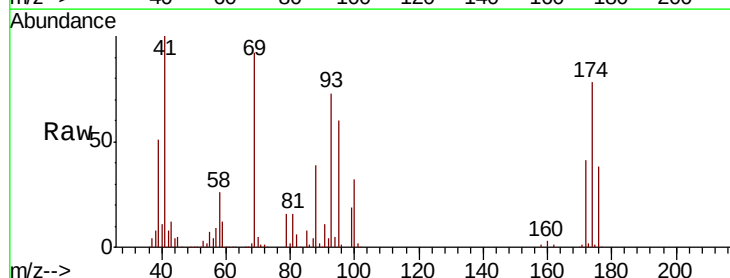
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

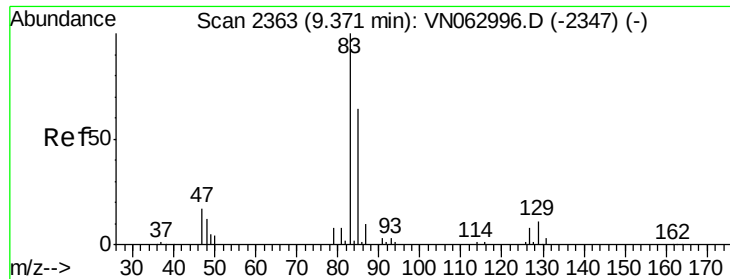
Tot Ion: 63 Resp: 330990
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.6 38.4



#46
 Dibromomethane
 Concen: 145.301 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion: 93 Resp: 193132
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.2 99.4
 174 109.2 84.6 127.0





#47

Bromodichloromethane

Concen: 144.612 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

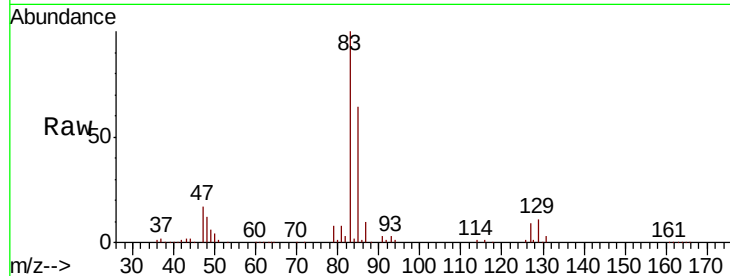
Tot Ion: 83 Resp: 420996

Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7

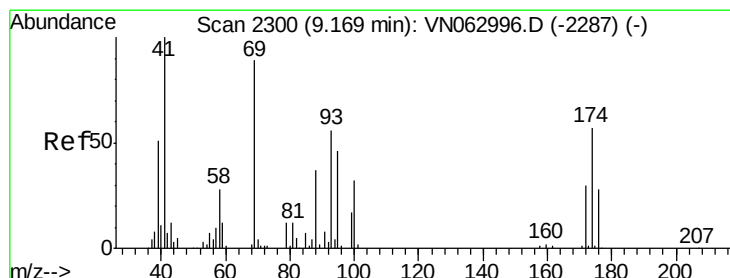
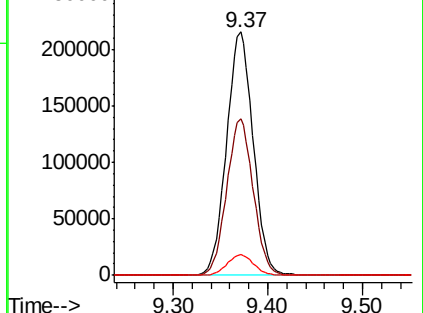
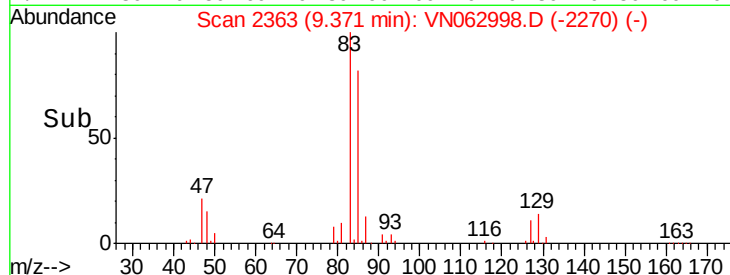
127 8.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN062998.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062998.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062998.D (-2270) (-)



#48

Methyl methacrylate

Concen: 158.585 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

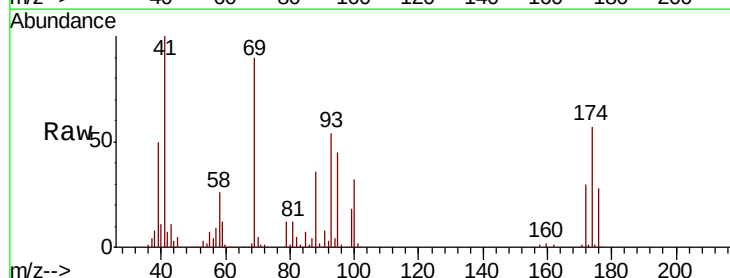
Tgt Ion: 41 Resp: 292322

Ion Ratio Lower Upper

41 100

69 91.8 74.2 111.4

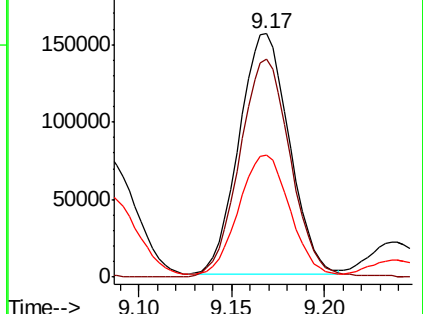
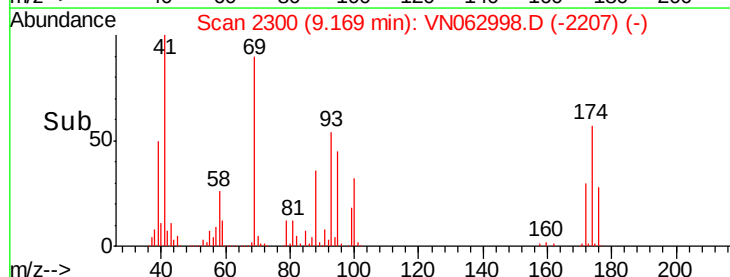
39 51.8 42.5 63.7

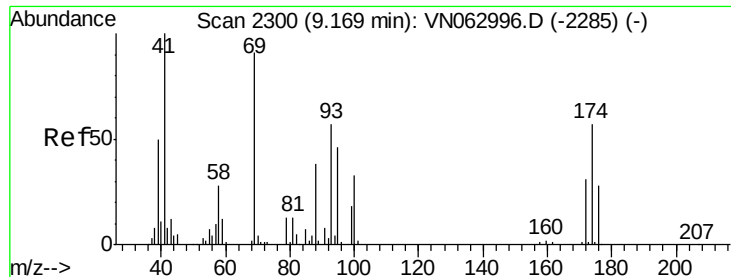


Abundance Ion 41.00 (40.70 to 41.70): VN062998.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062998.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062998.D (-2207) (-)

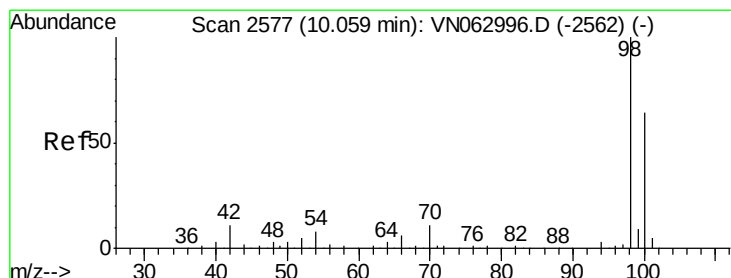
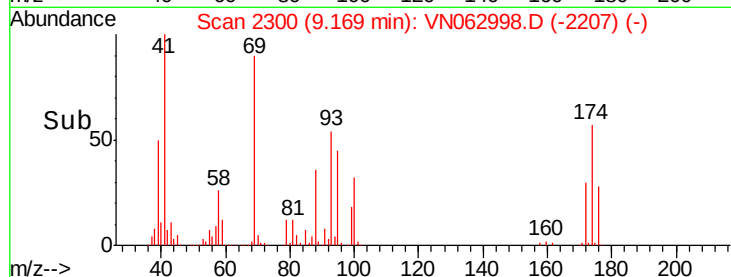
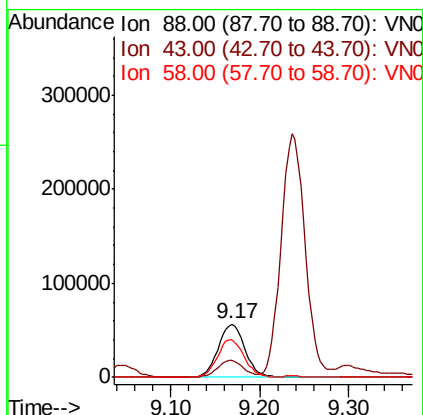
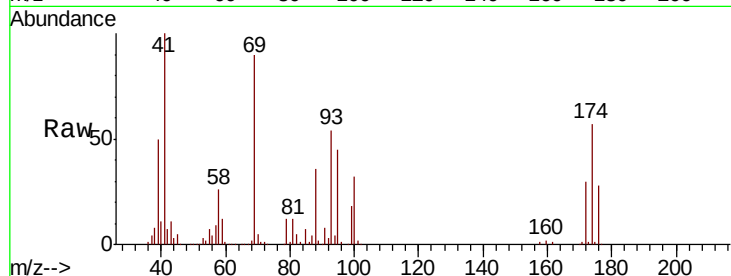




#49
1,4-Dioxane
Concen: 3279.664 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

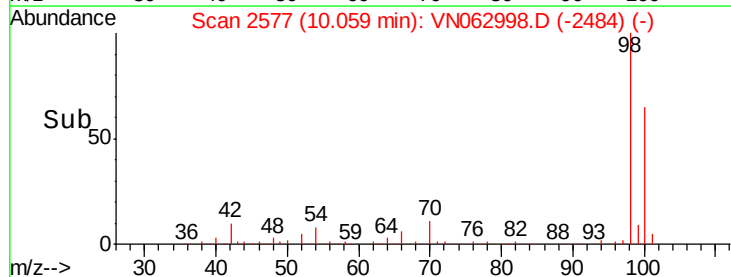
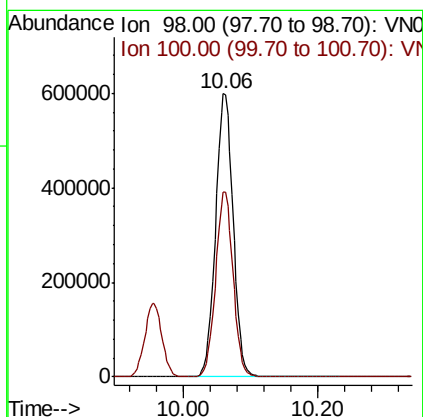
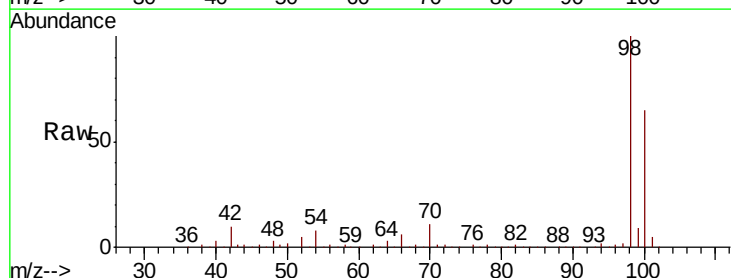
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

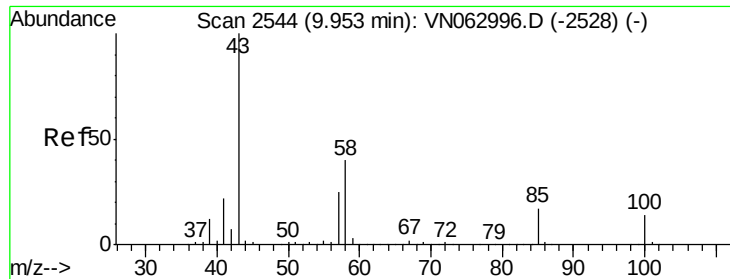
Tot Ion: 88 Resp: 117842
Ion Ratio Lower Upper
88 100
43 29.9 25.2 37.8
58 70.4 56.7 85.1



#50
Toluene-d8
Concen: 153.286 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 98 Resp: 1092559
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 752.548 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

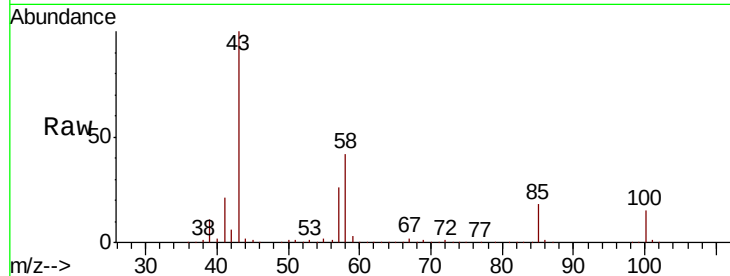
VSTDIC150

Tot Ion: 43 Resp: 1853160

Ion Ratio Lower Upper

43 100

58 41.3 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062998.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062998.D (-2528) (-)

1200000

1000000

800000

600000

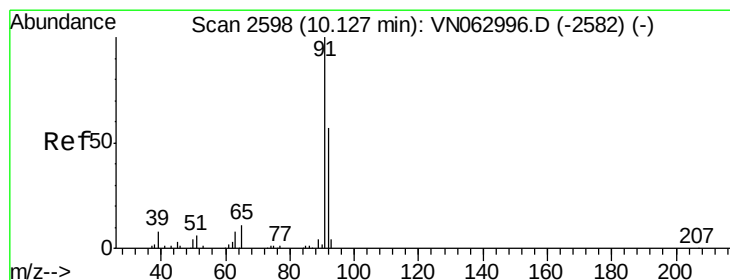
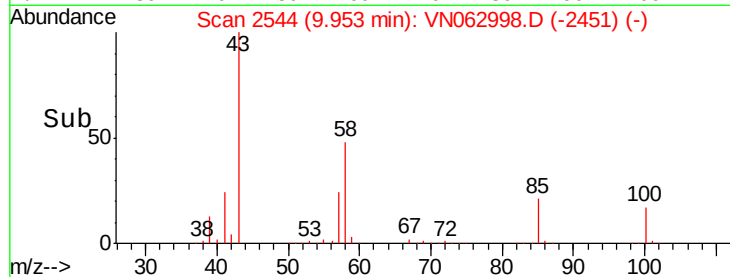
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 154.150 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062998.D

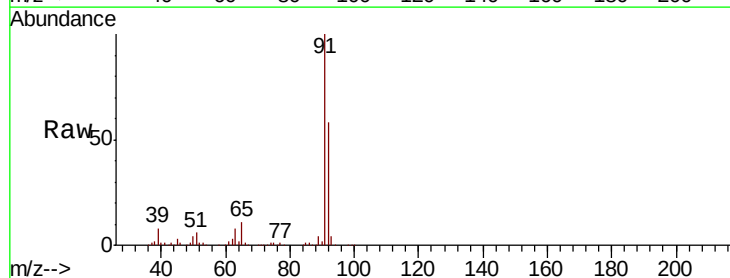
Acq: 18 Aug 2020 20:42

Tgt Ion: 92 Resp: 740170

Ion Ratio Lower Upper

92 100

91 172.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062998.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN062998.D (-2505) (-)

800000

600000

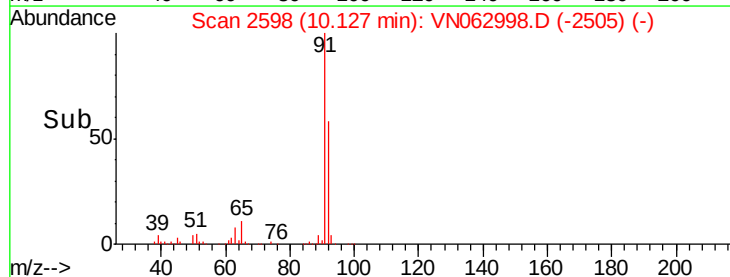
400000

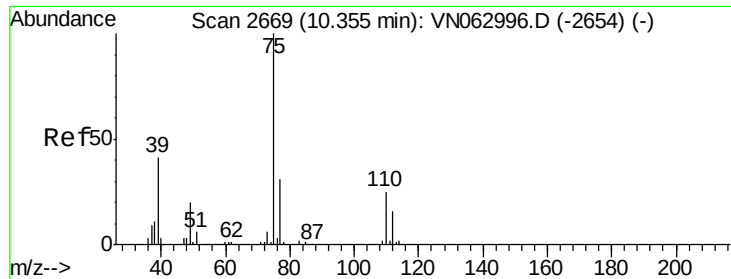
200000

0

10.10 10.13 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 157.904 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

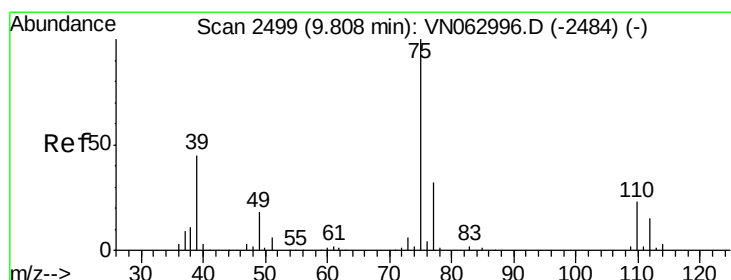
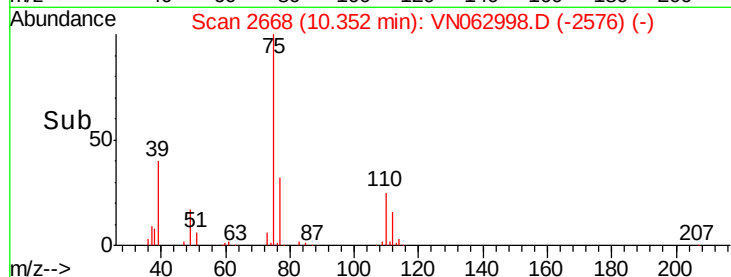
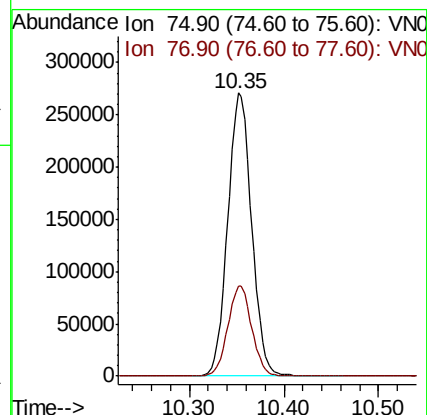
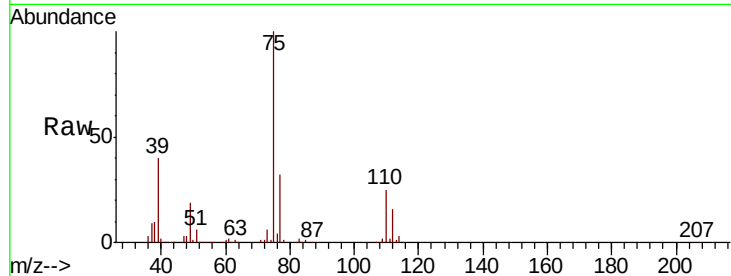
VSTDIC150

Tot Ion: 75 Resp: 475376

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 154.970 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

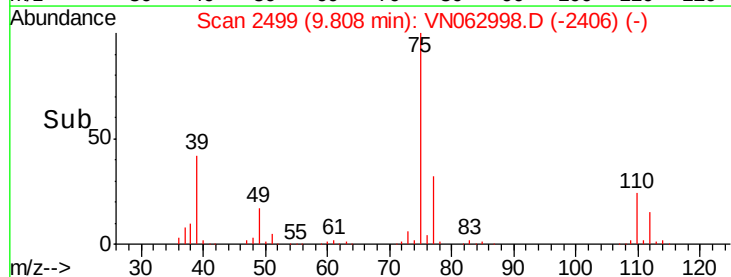
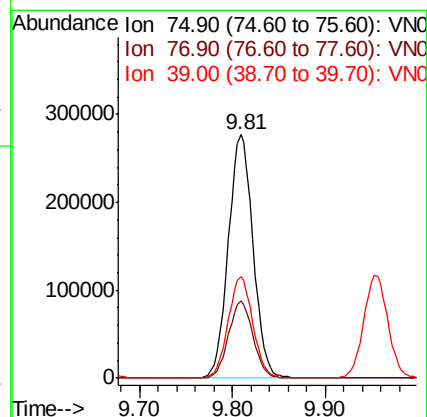
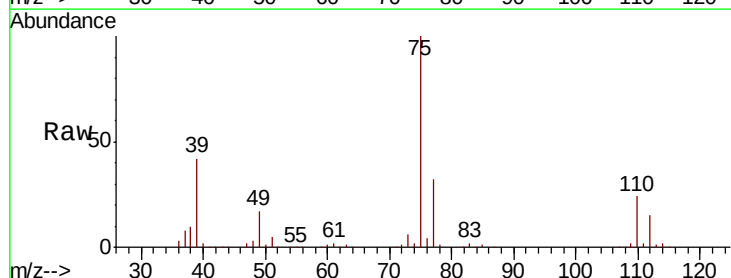
Tgt Ion: 75 Resp: 511794

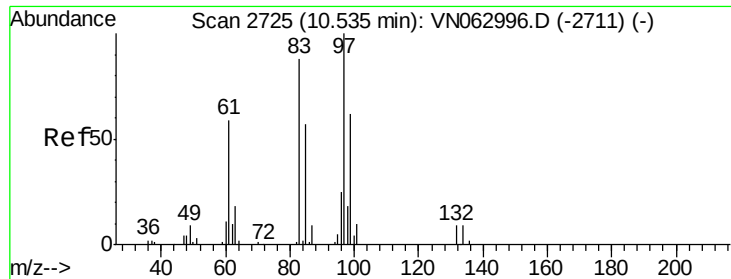
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

39 41.6 35.7 53.5

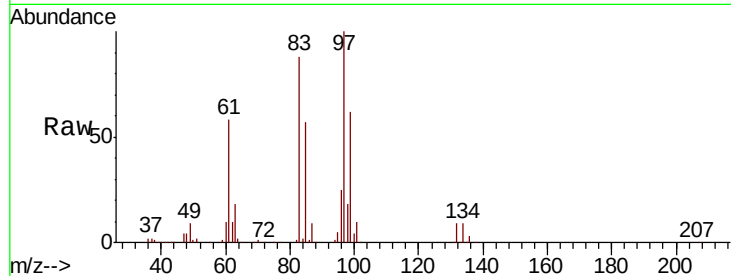




#55
 1,1,2-Trichloroethane
 Concen: 147.442 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:	97	Resp:	302714
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	57.2	45.8	68.6
99	62.4	49.7	74.5



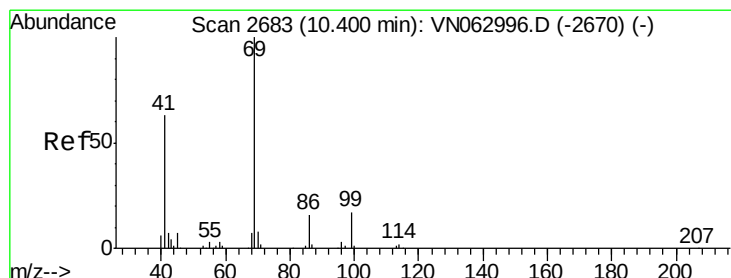
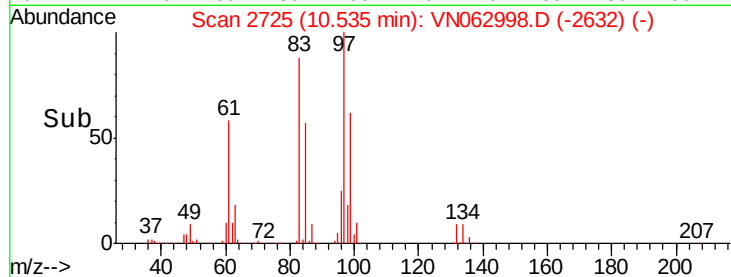
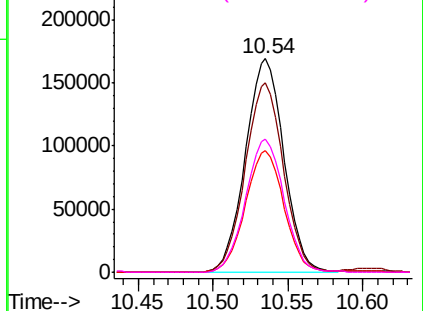
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

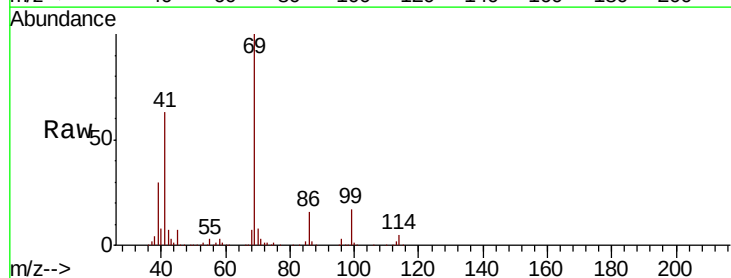
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 170.522 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion:	69	Resp:	472764
Ion	Ratio	Lower	Upper
69	100		
41	62.0	50.2	75.2
39	29.8	24.2	36.4

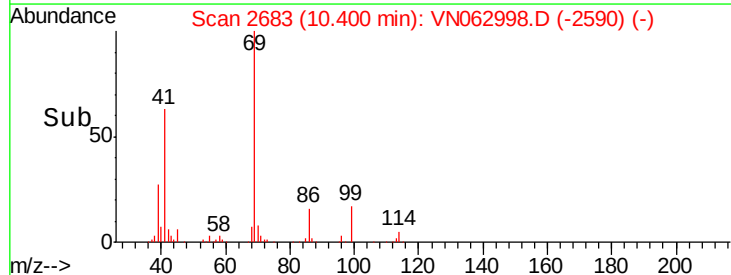
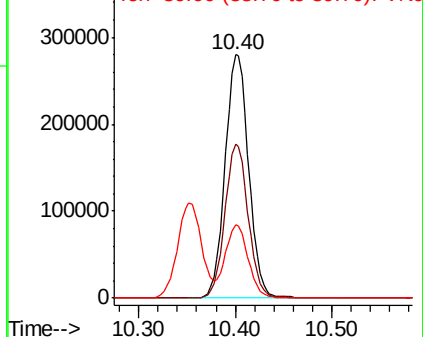


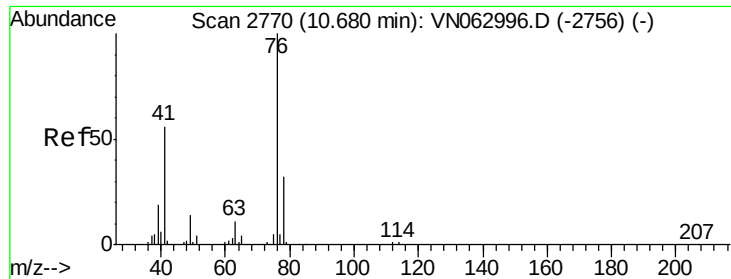
Abundance

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

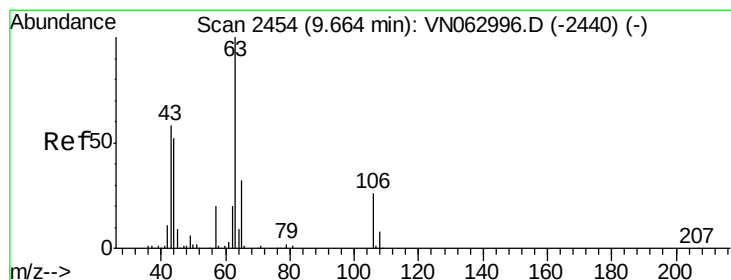
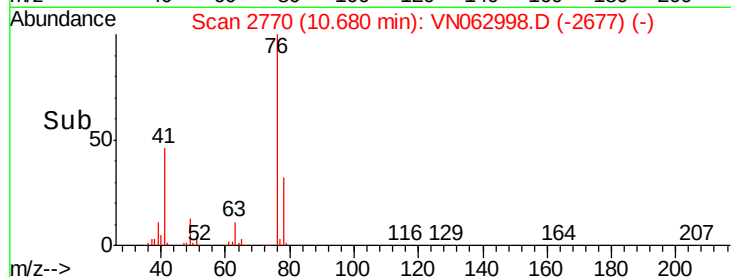
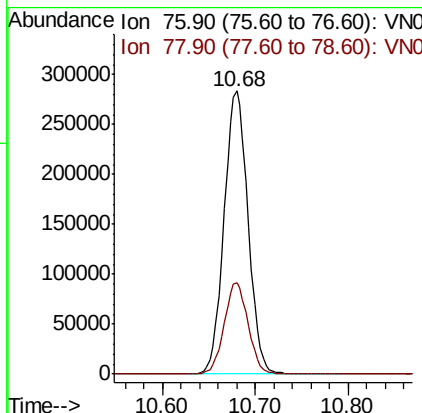
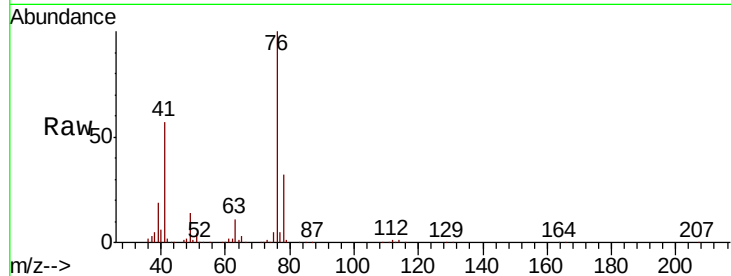




#57
 1,3-Dichloropropane
 Concen: 148.843 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

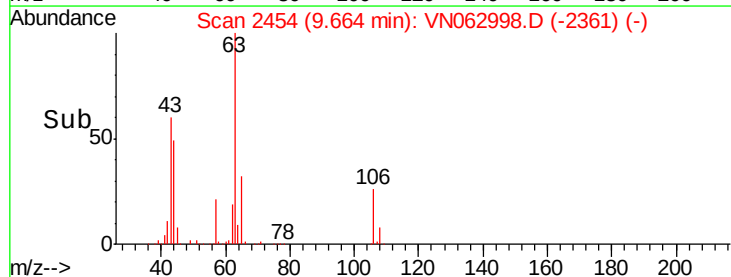
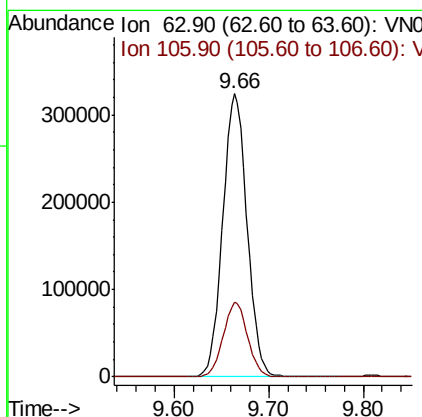
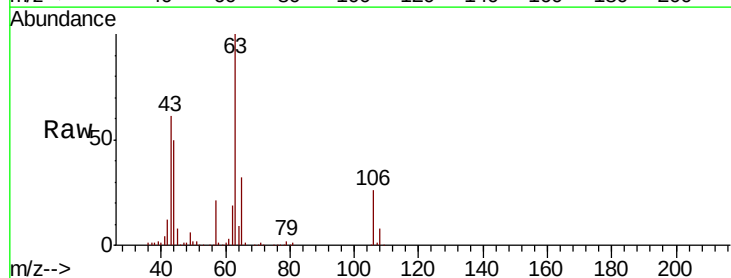
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

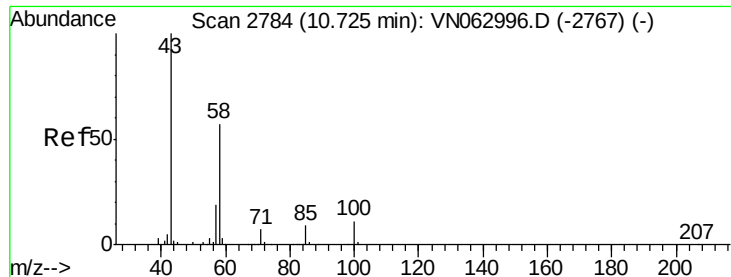
Tot Ion: 76 Resp: 507449
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 869.745 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion: 63 Resp: 577930
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.7 31.1

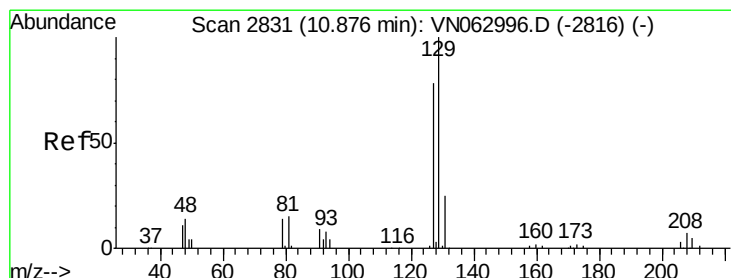
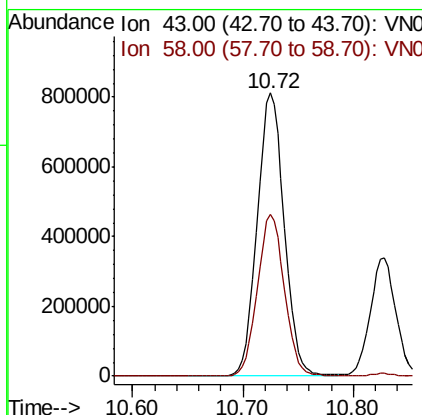
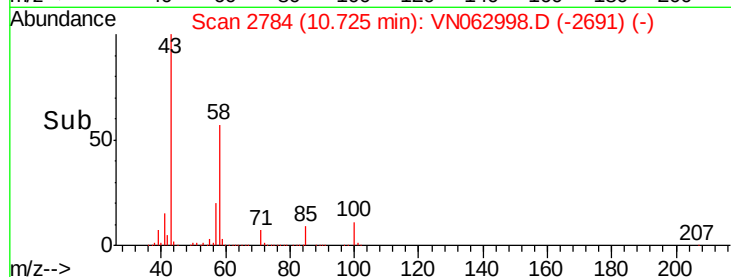
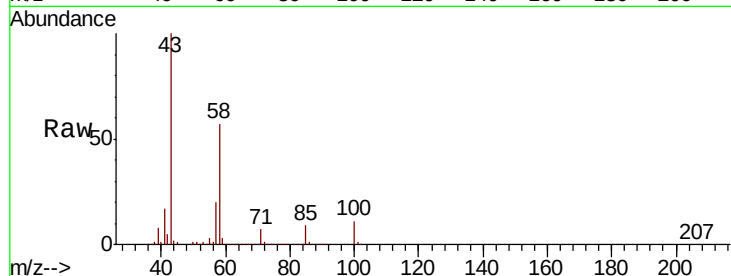




#59
2-Hexanone
Concen: 800.431 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

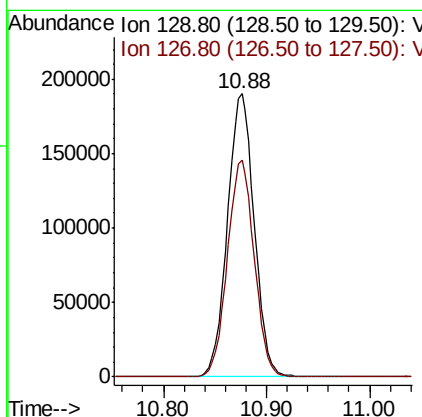
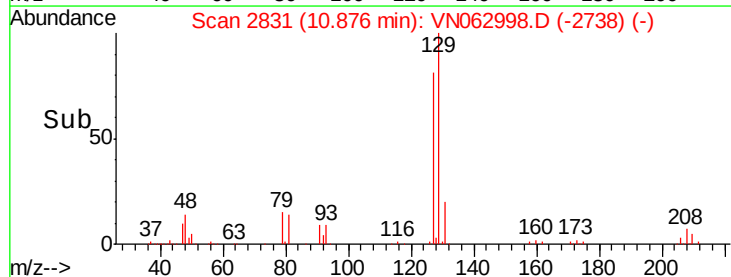
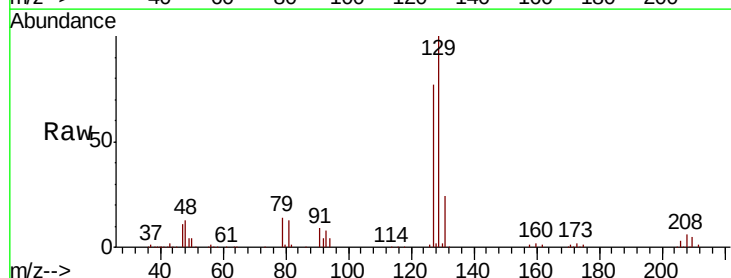
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

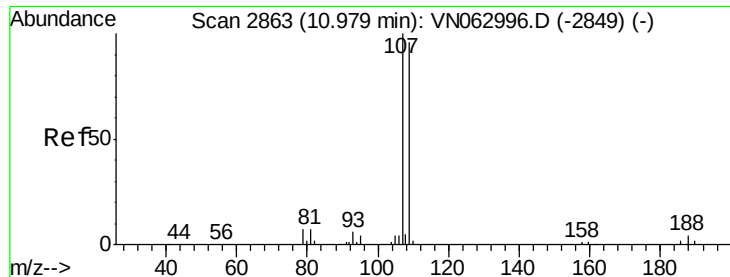
Tot Ion: 43 Resp: 1374873
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3



#60
Dibromochloromethane
Concen: 151.199 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 129 Resp: 343541
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 155.486 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

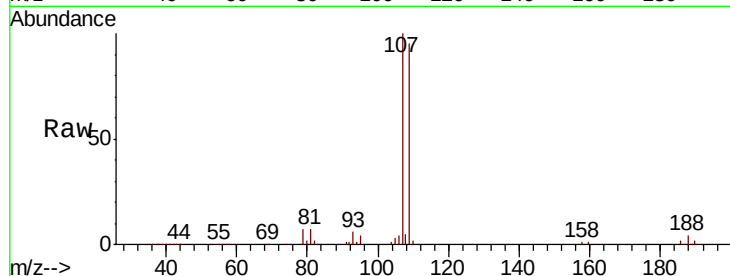
VSTDIC150

Tot Ion:107 Resp: 306738

Ion Ratio Lower Upper

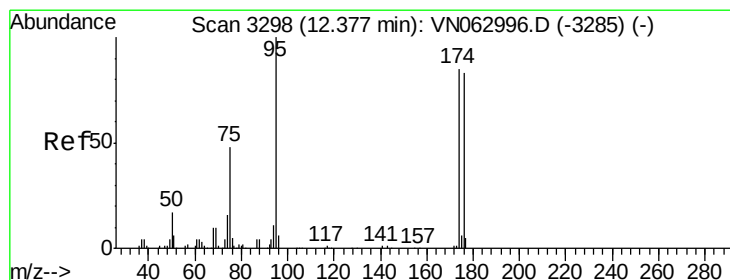
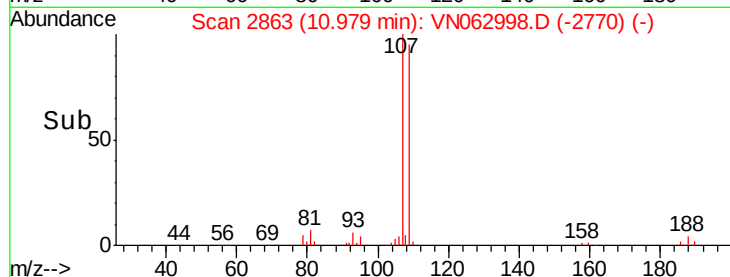
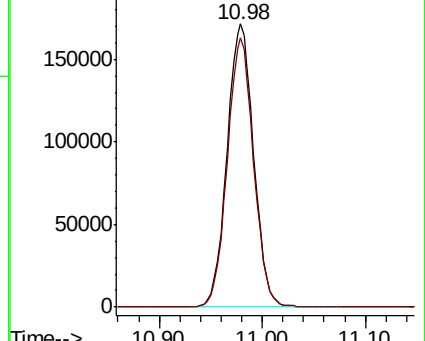
107 100

109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 167.744 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

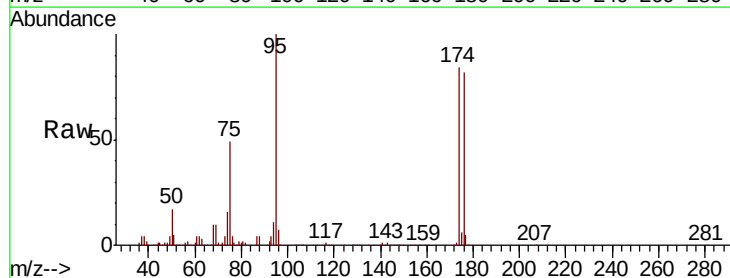
Tgt Ion: 95 Resp: 421913

Ion Ratio Lower Upper

95 100

174 84.7 0.0 170.8

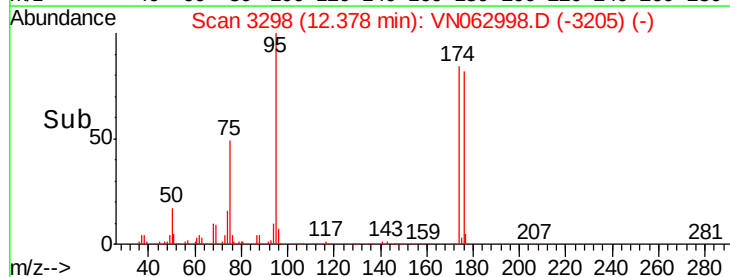
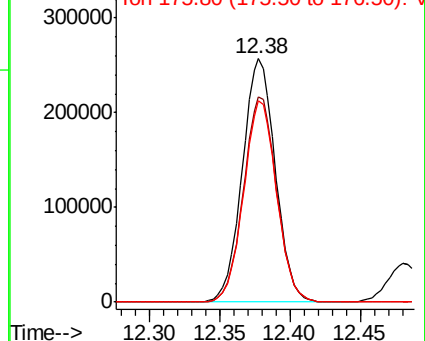
176 82.6 0.0 164.8

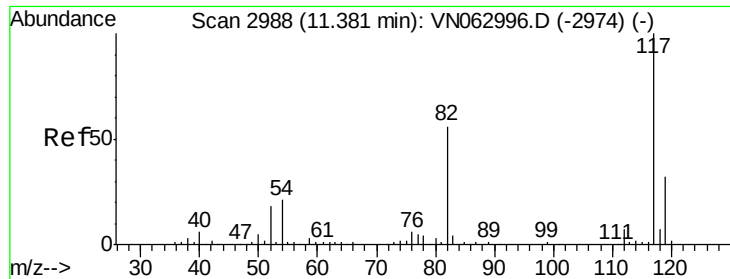


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

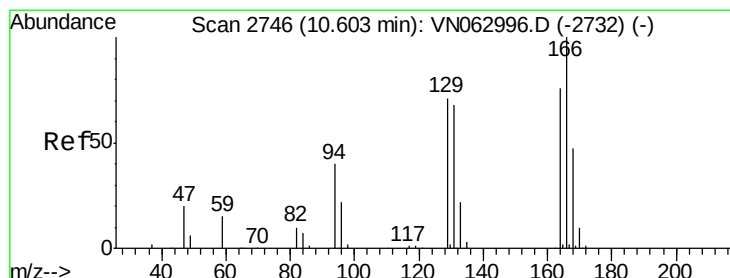
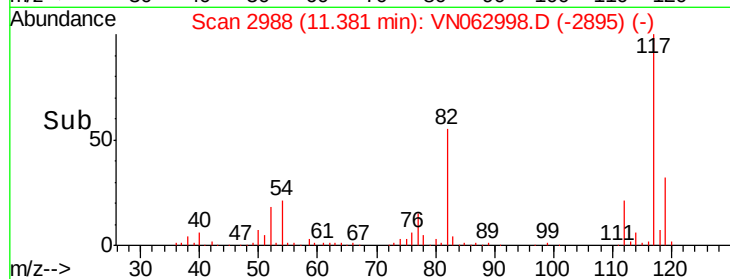
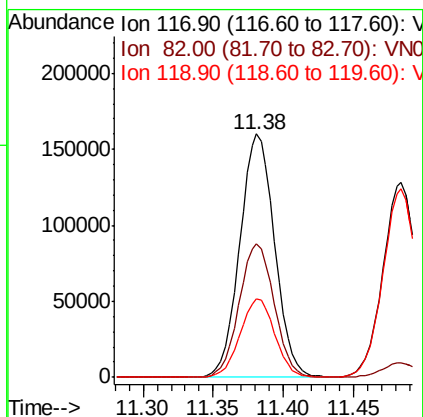
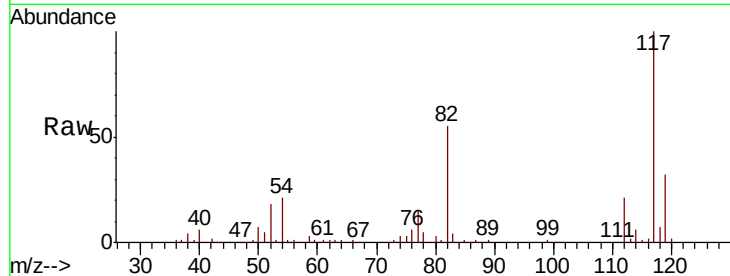




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

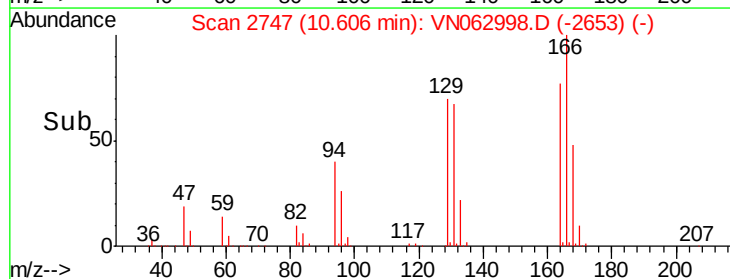
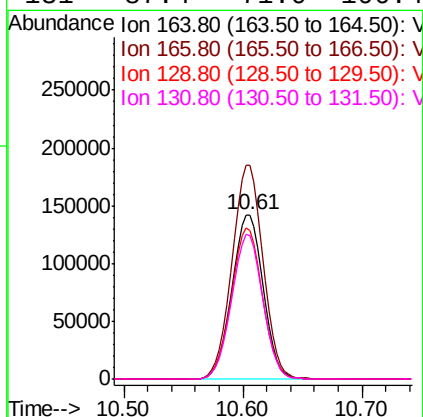
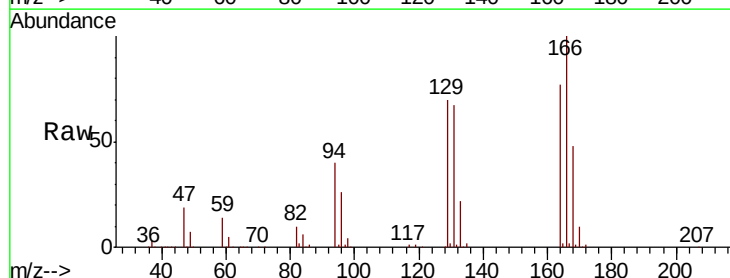
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

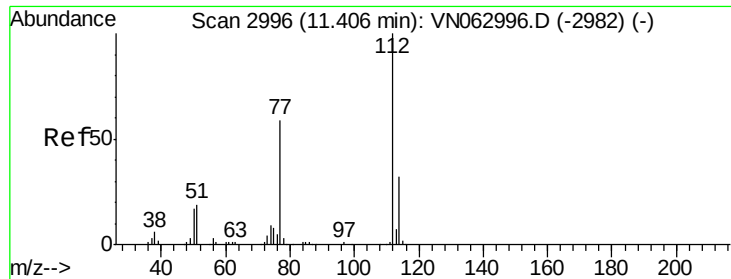
Tot Ion:117 Resp: 277219
Ion Ratio Lower Upper
117 100
82 54.6 44.5 66.7
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 142.119 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:164 Resp: 258981
Ion Ratio Lower Upper
164 100
166 129.7 105.0 157.6
129 90.5 74.7 112.1
131 87.4 71.0 106.4

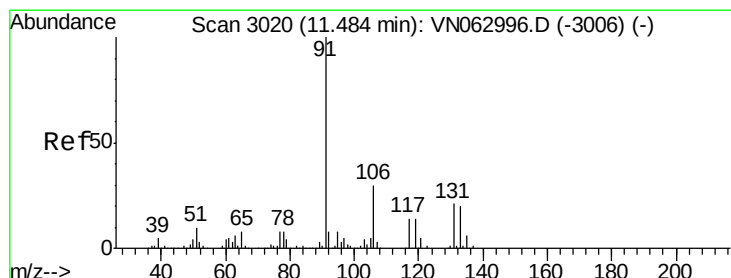
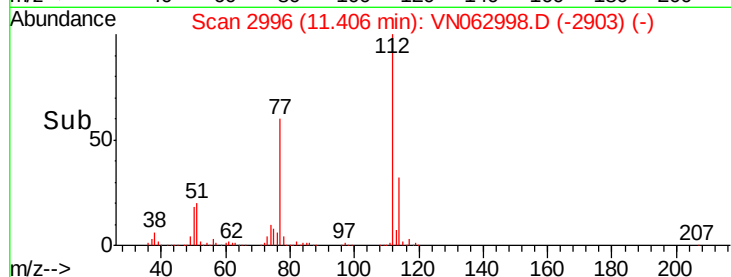
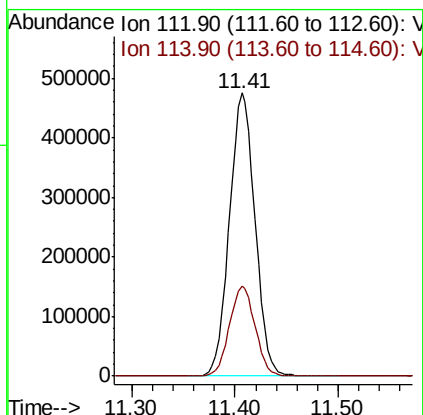
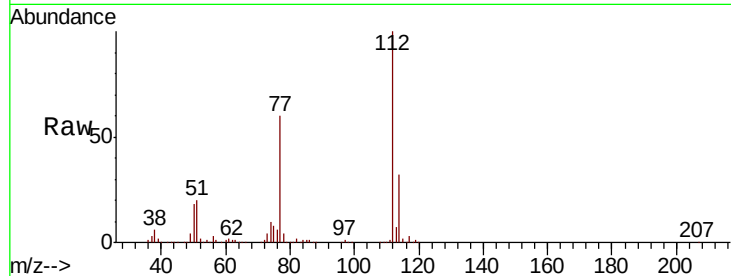




#65
Chlorobenzene
Concen: 147.807 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

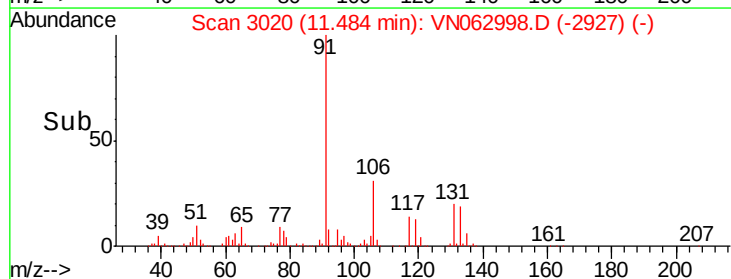
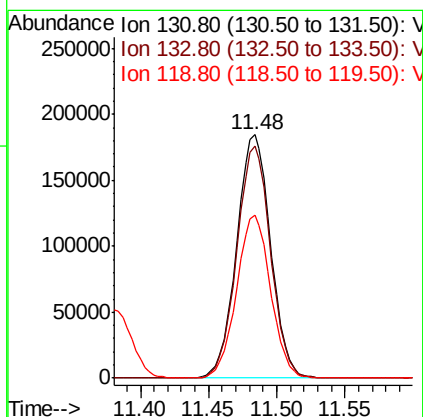
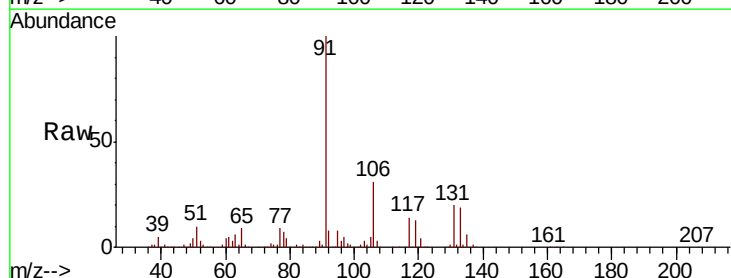
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

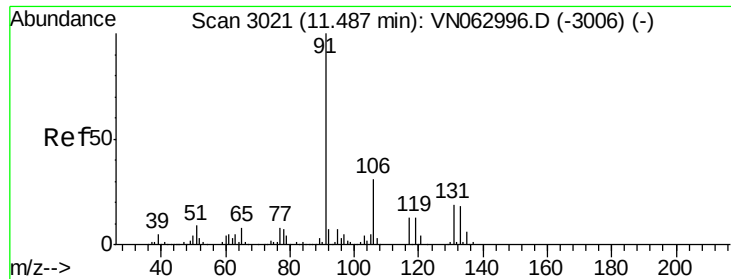
Tot Ion:112 Resp: 822930
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 147.325 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:131 Resp: 319041
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 67.0 33.1 99.3

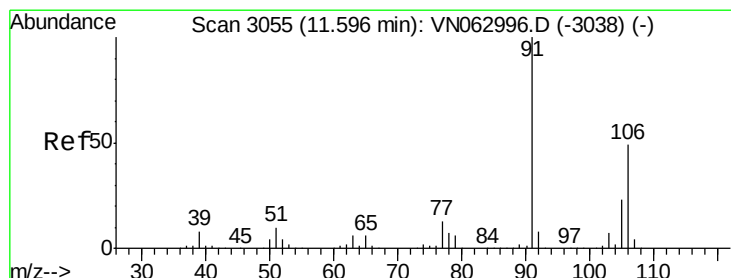
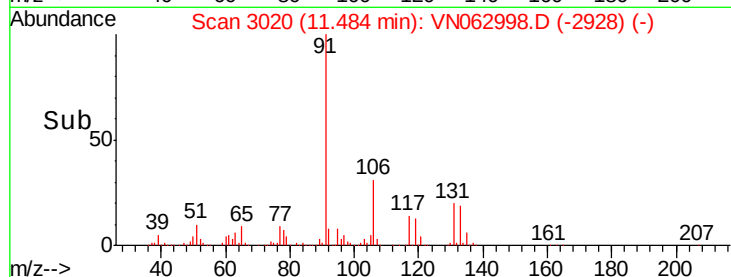
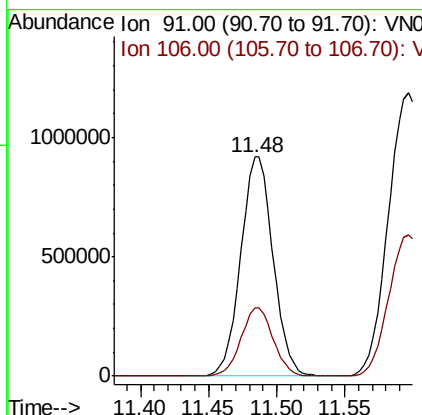
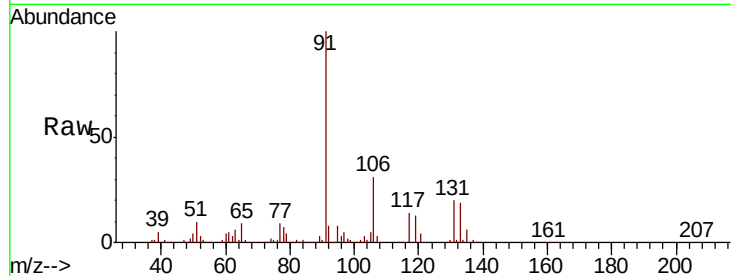




#67
Ethyl Benzene
Concen: 160.715 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

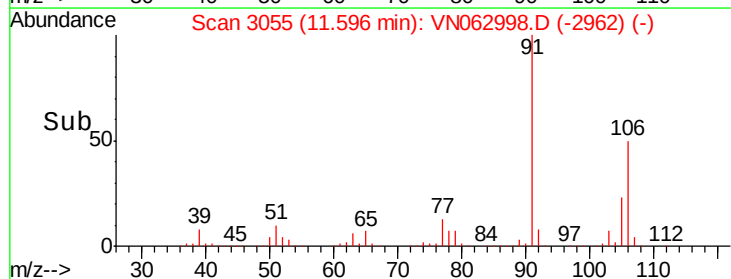
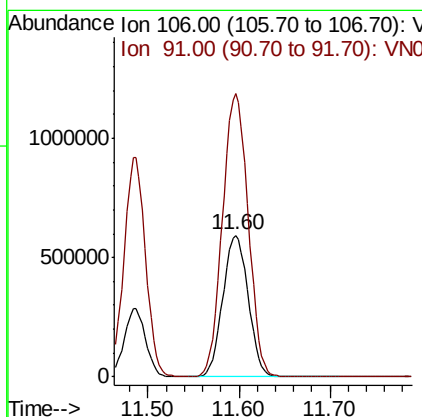
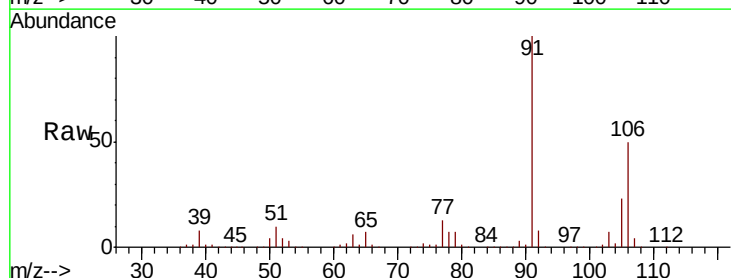
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

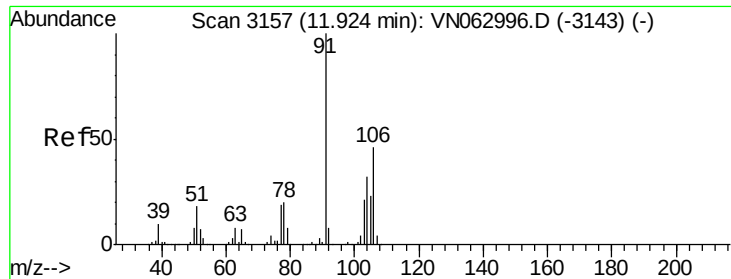
Tot Ion: 91 Resp: 1511938
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0



#68
m/p-Xylenes
Concen: 329.892 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:106 Resp: 1153466
Ion Ratio Lower Upper
106 100
91 201.6 163.0 244.4

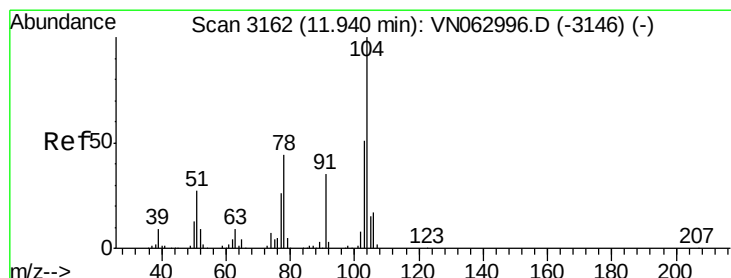
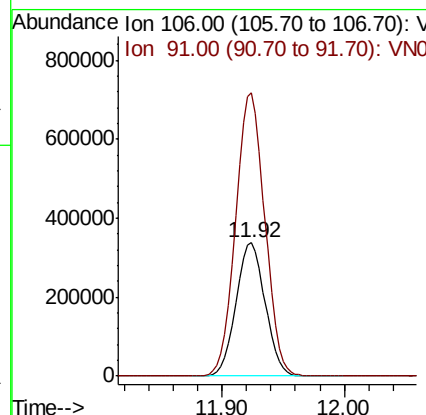
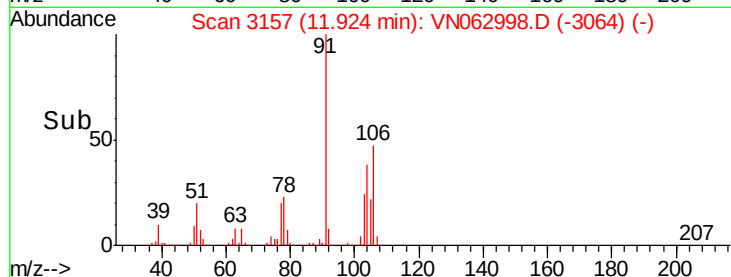
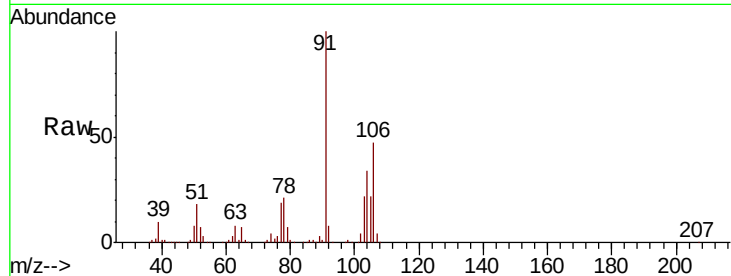




#69
o-Xylene
Concen: 166.943 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

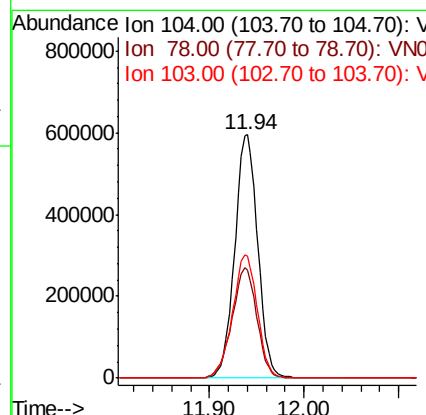
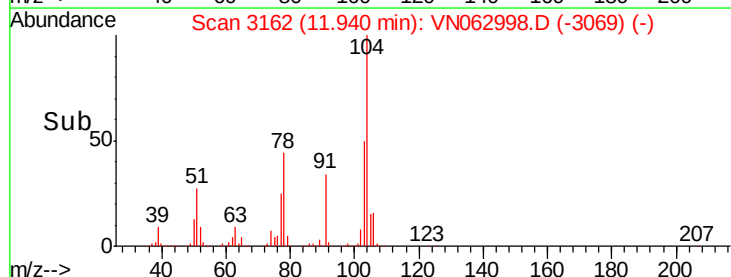
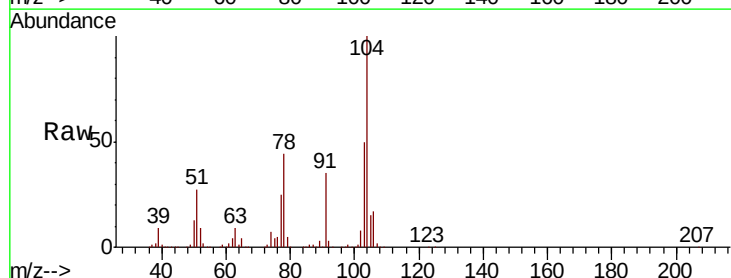
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

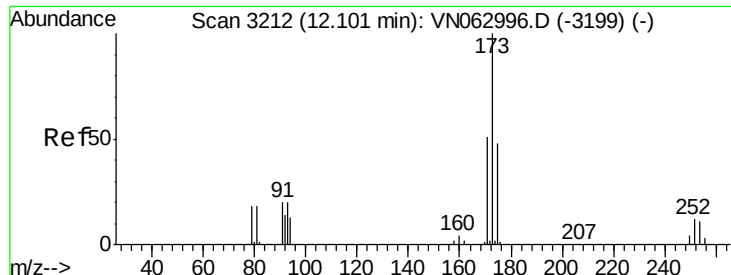
Tot Ion:106 Resp: 560527
Ion Ratio Lower Upper
106 100
91 213.3 107.3 321.9



#70
Styrene
Concen: 174.361 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:104 Resp: 1004707
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 54.7 44.3 66.5





#71

Bromoform

Concen: 156.764 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

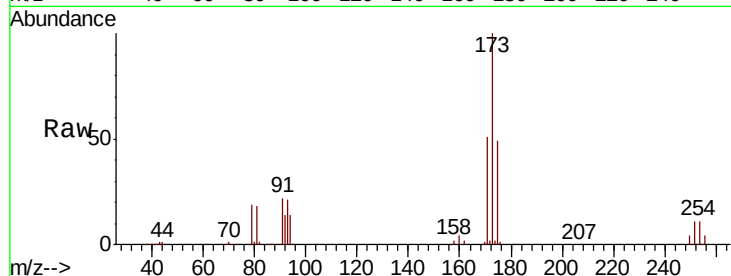
Tot Ion:173 Resp: 270216

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

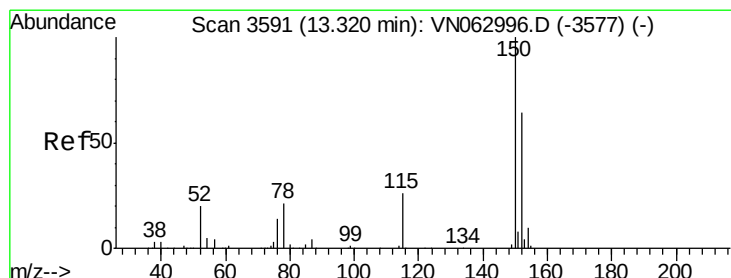
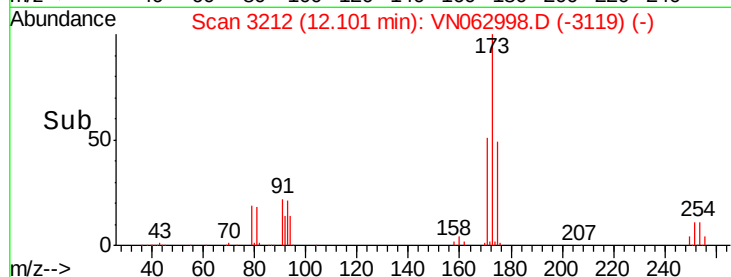
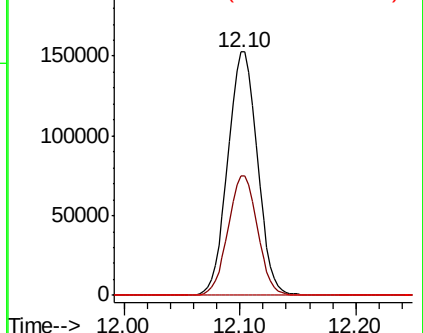
254 0.1 0.0 0.0#



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# 3591

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

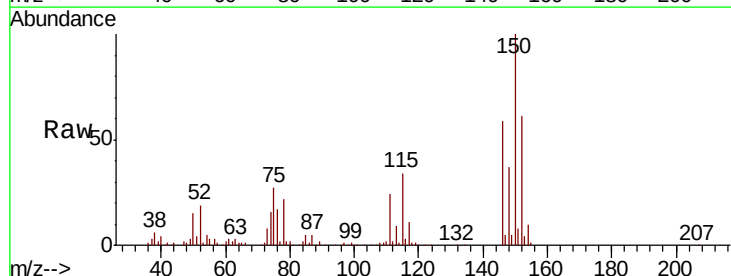
Tgt Ion:152 Resp: 148366

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

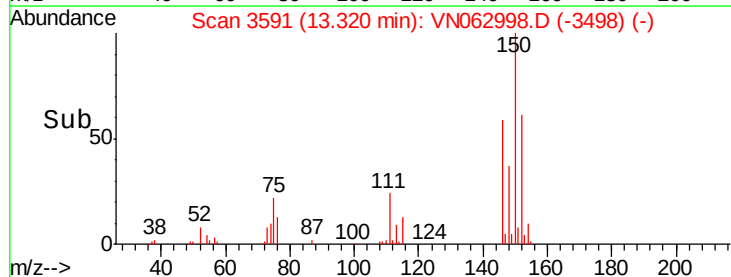
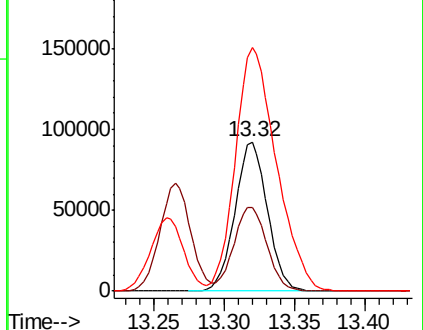
150 206.0 0.0 348.8

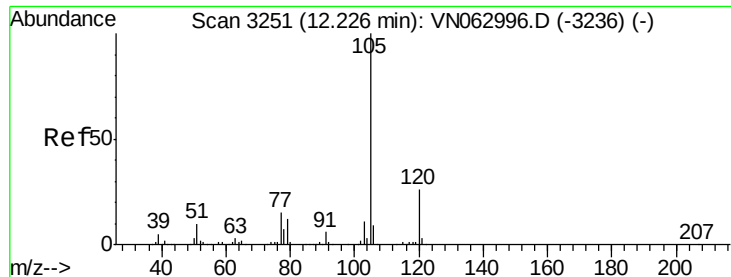


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 147.821 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

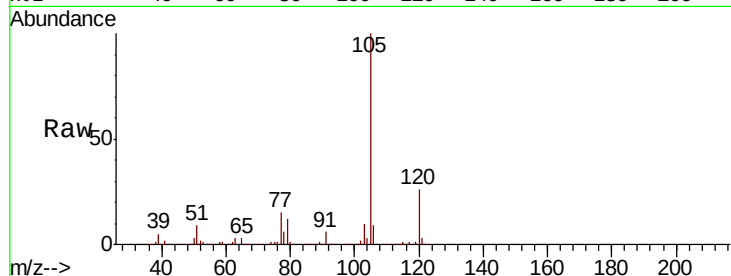
VSTDIC150

Tot Ion:105 Resp: 1501880

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

1000000

800000

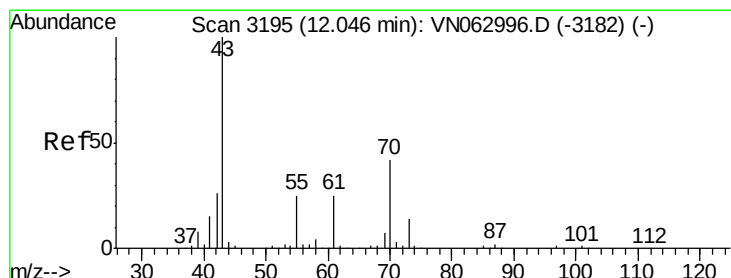
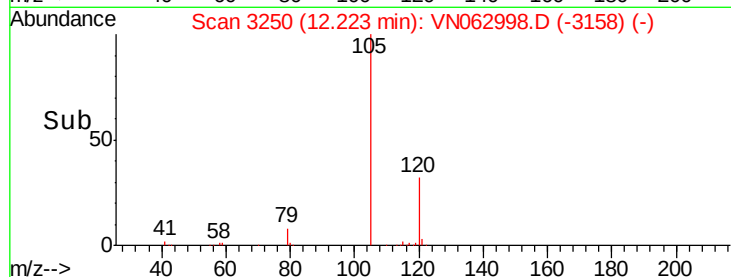
600000

400000

200000

0

Time--> 12.10 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 164.342 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion: 43 Resp: 598015

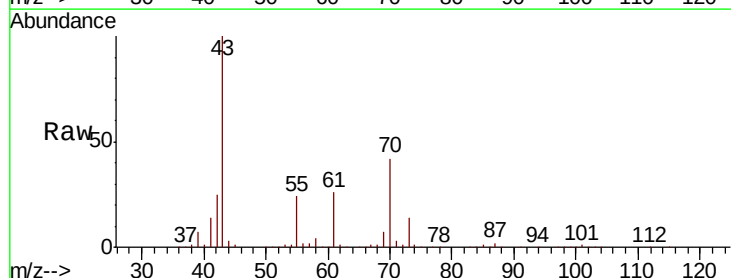
Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.0

55 24.2 20.2 30.2

61 25.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

600000

500000

400000

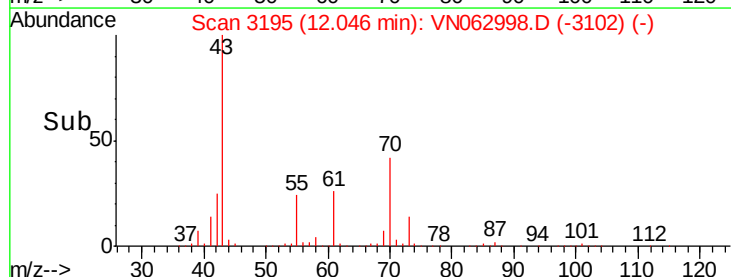
300000

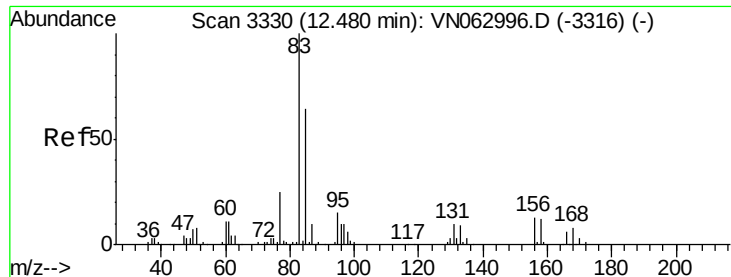
200000

100000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 127.739 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

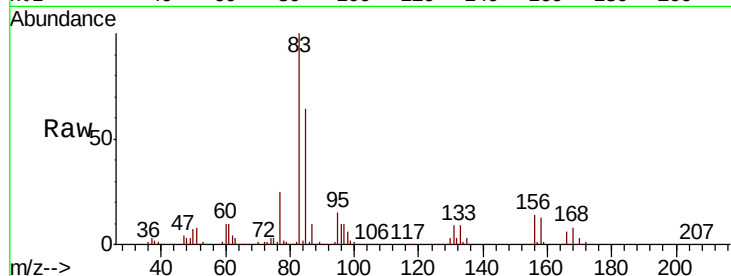
Tot Ion: 83 Resp: 463061

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

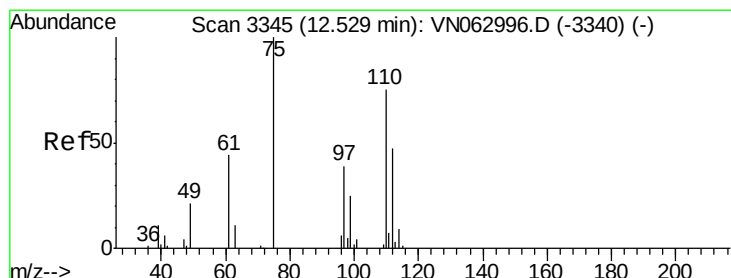
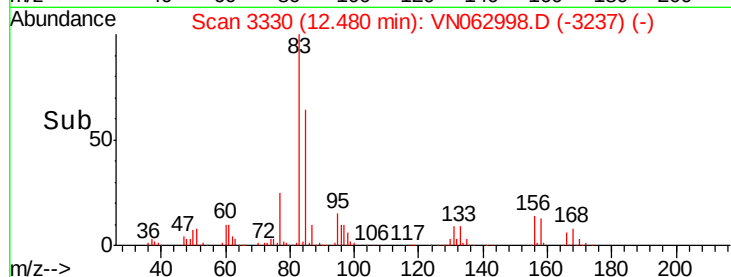
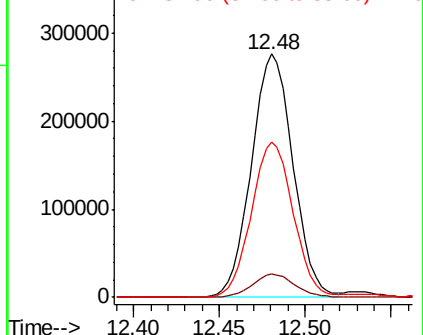
85 64.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN062998.D (-3330) (-)

Ion 130.80 (130.50 to 131.50): VN062998.D (-3330) (-)

Ion 84.90 (84.60 to 85.60): VN062998.D (-3330) (-)



#76

1,2,3-Trichloropropane

Concen: 201.973 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062998.D

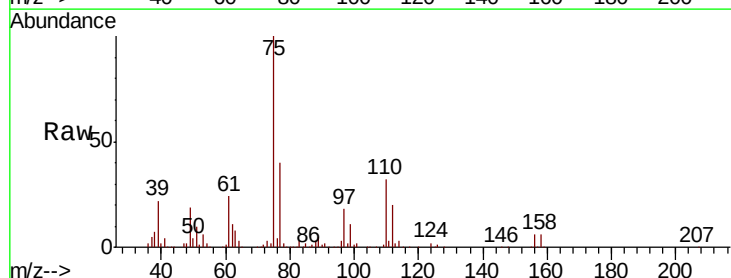
Acq: 18 Aug 2020 20:42

Tgt Ion: 75 Resp: 590188

Ion Ratio Lower Upper

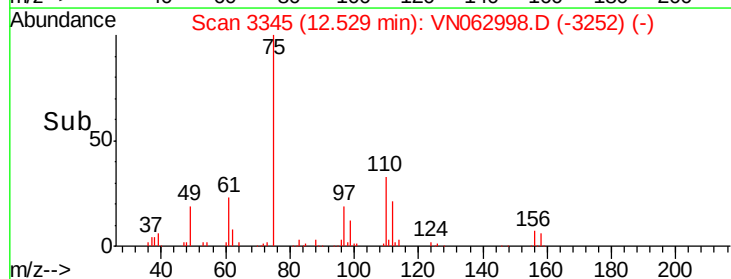
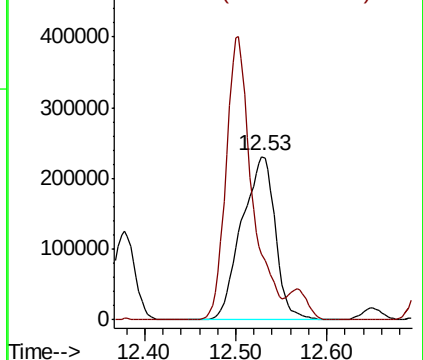
75 100

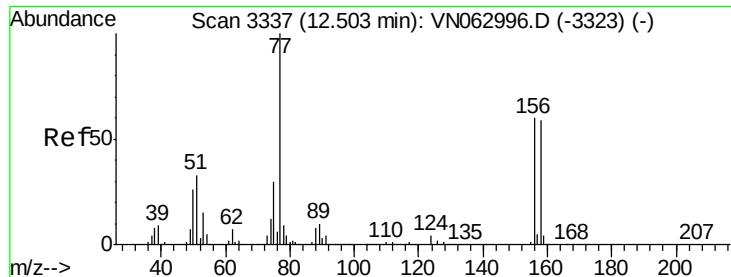
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062998.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN062998.D (-3345) (-)





#77

Bromobenzene

Concen: 140.844 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

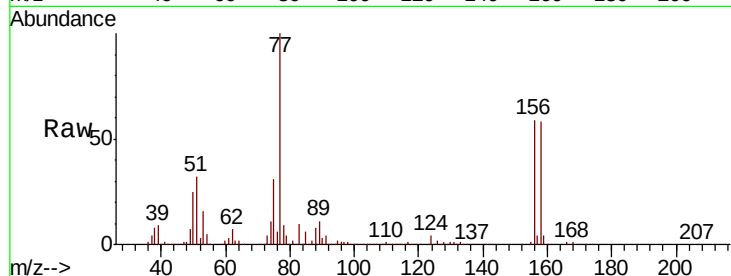
Tot Ion:156 Resp: 393564

Ion Ratio Lower Upper

156 100

77 202.4 101.0 302.9

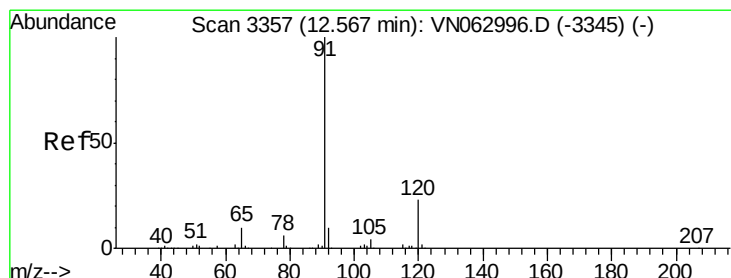
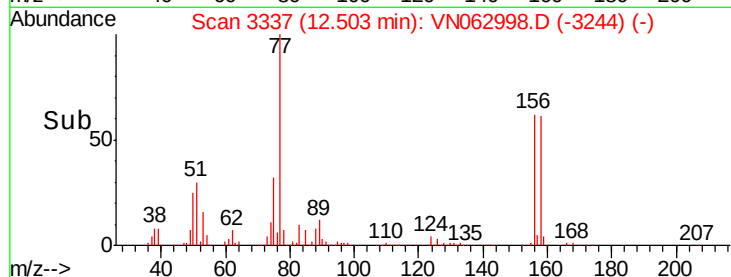
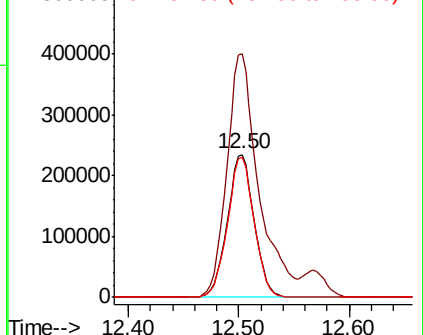
158 97.6 49.4 148.0



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: 155.399 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062998.D

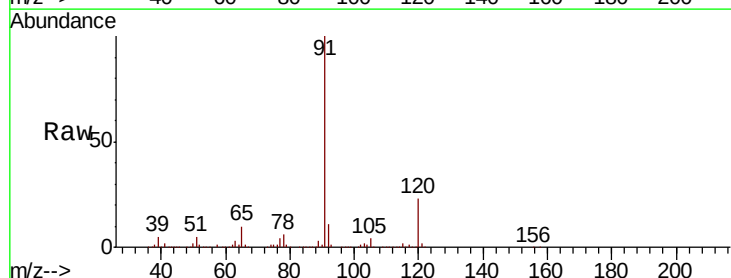
Acq: 18 Aug 2020 20:42

Tgt Ion: 91 Resp: 1799630

Ion Ratio Lower Upper

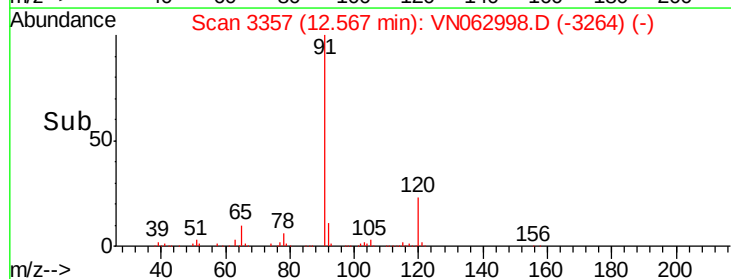
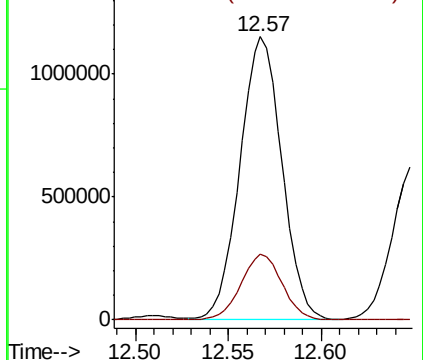
91 100

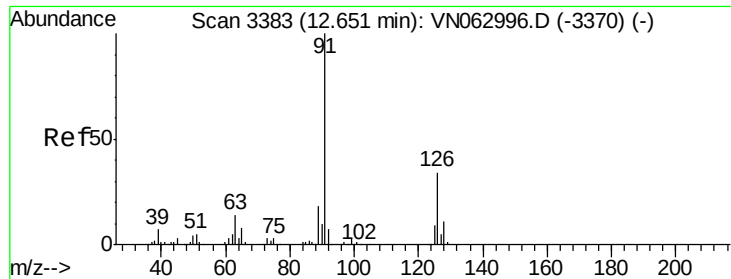
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 144.450 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

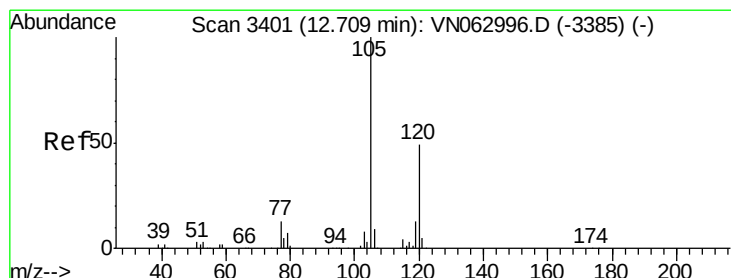
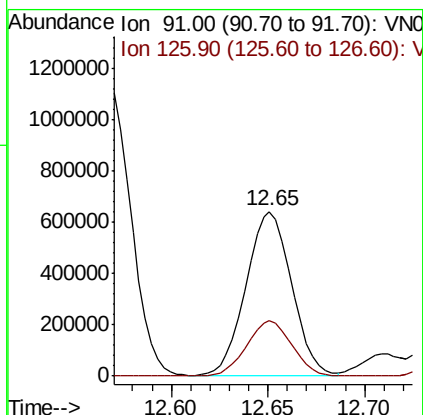
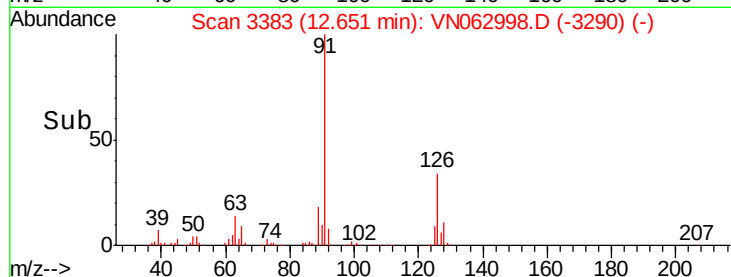
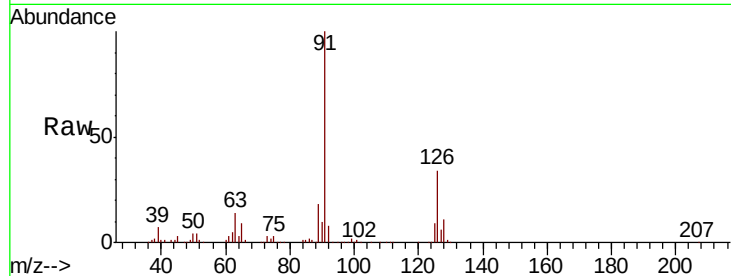
VSTDIC150

Tot Ion: 91 Resp: 1052194

Ion Ratio Lower Upper

91 100

126 33.7 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 156.544 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062998.D

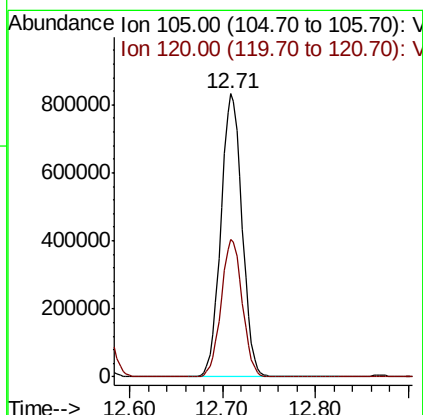
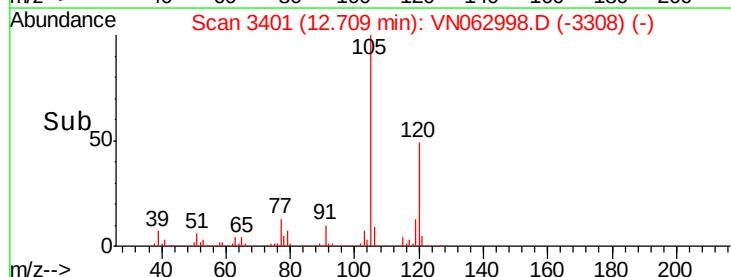
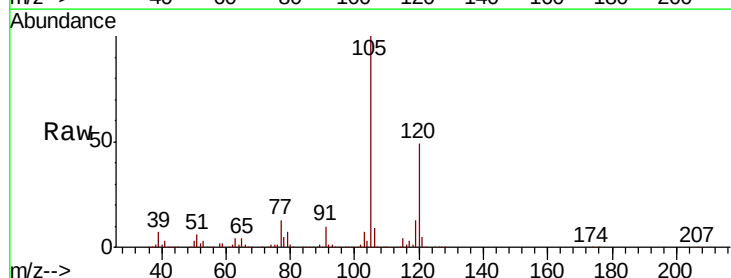
Acq: 18 Aug 2020 20:42

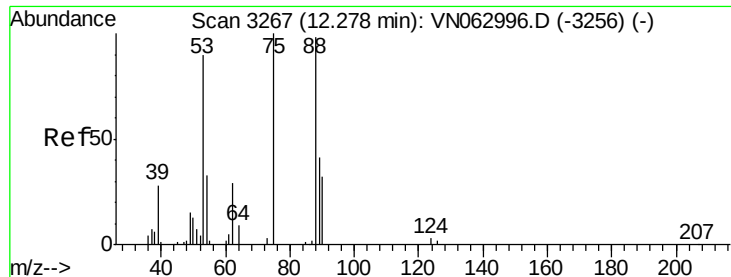
Tgt Ion: 105 Resp: 1314795

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 154.407 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

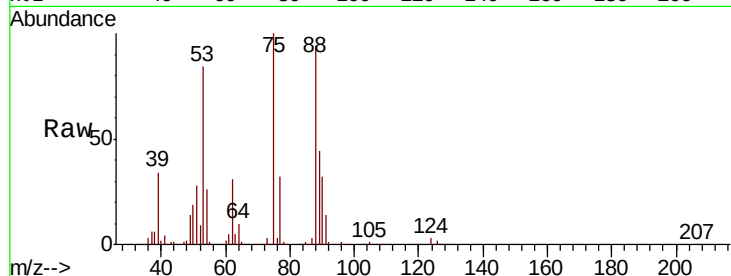
Tot Ion: 75 Resp: 162134

Ion Ratio Lower Upper

75 100

53 85.7 69.2 103.8

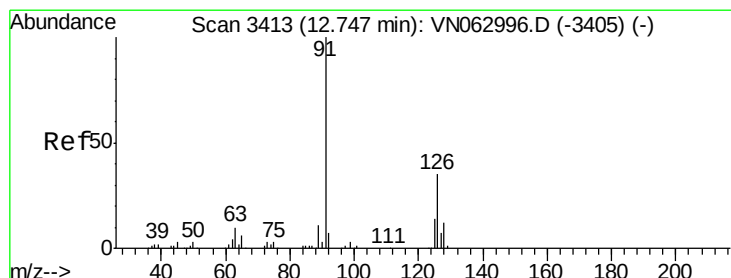
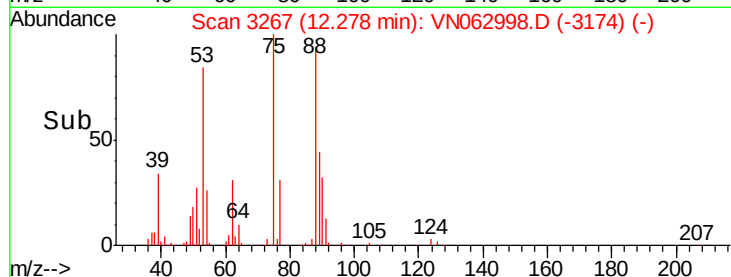
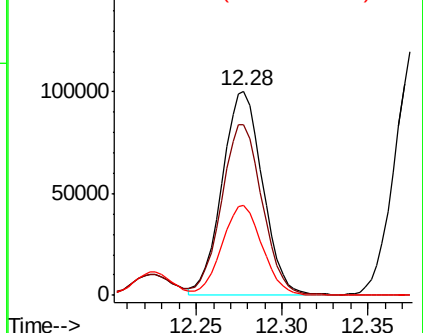
89 44.7 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN062998.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062998.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062998.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 150.954 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062998.D

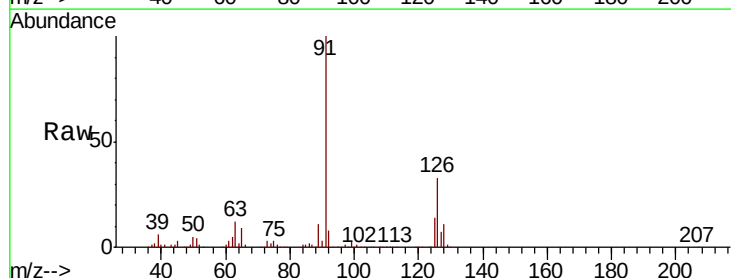
Acq: 18 Aug 2020 20:42

Tgt Ion: 91 Resp: 1119652

Ion Ratio Lower Upper

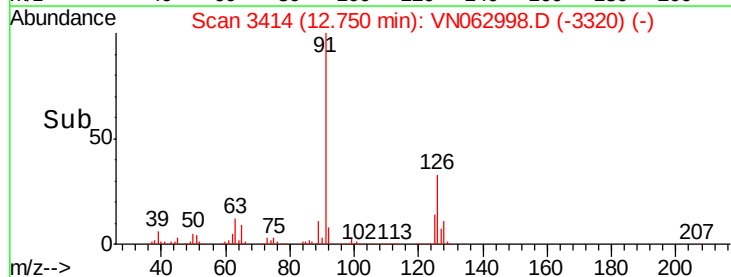
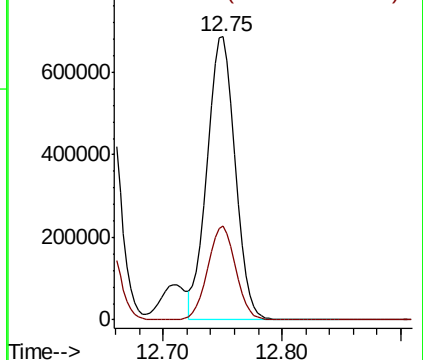
91 100

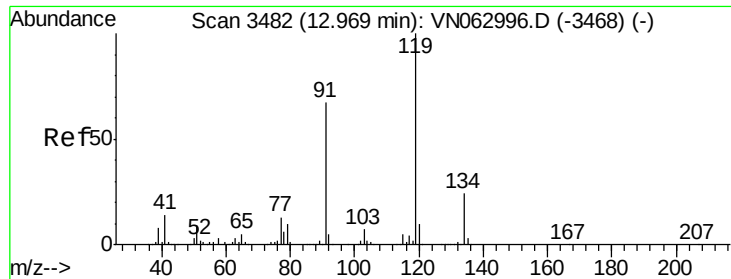
126 33.0 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN062998.D (-3405) (-)

Ion 125.90 (125.60 to 126.60): VN062998.D (-3405) (-)

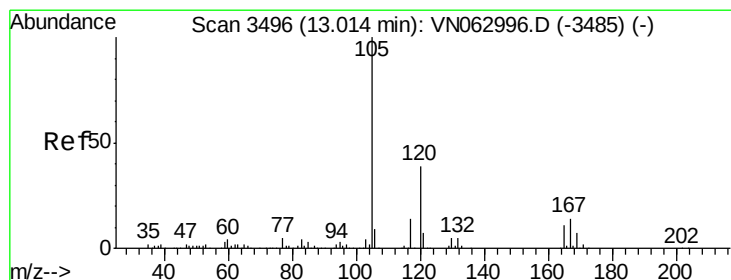
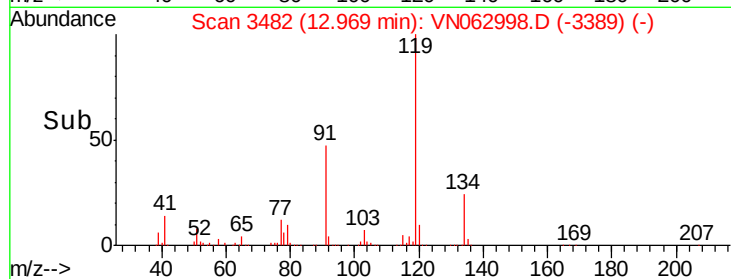
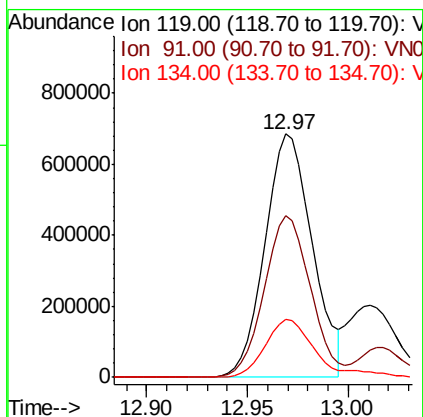
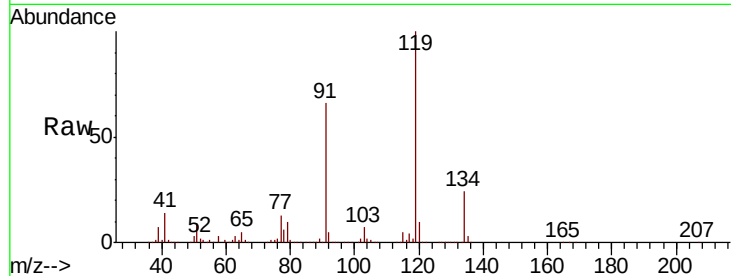




#83
 tert-Butylbenzene
 Concen: 154.664 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

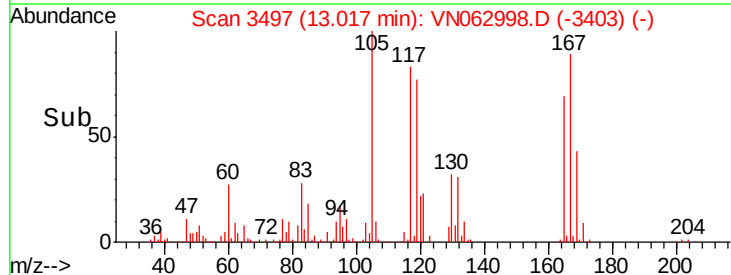
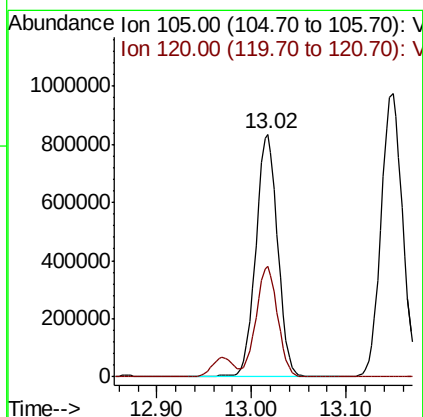
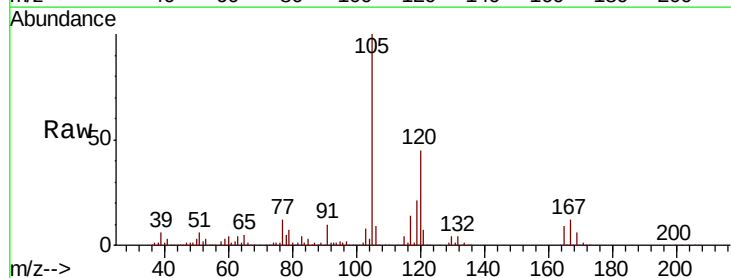
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

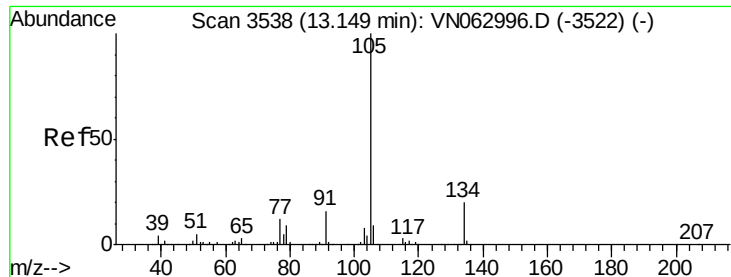
Tot Ion:119 Resp: 1121178
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.5 97.4
 134 25.5 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 163.258 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion:105 Resp: 1335821
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.5 67.5





#85

sec-Butylbenzene

Concen: 156.846 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampled :

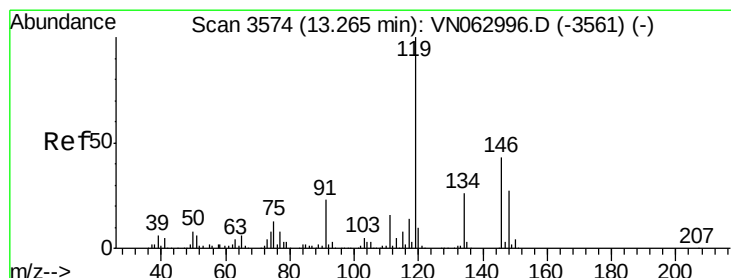
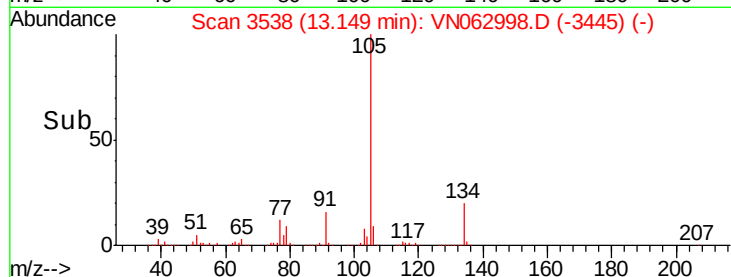
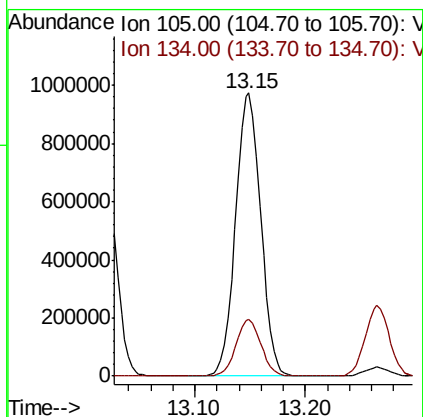
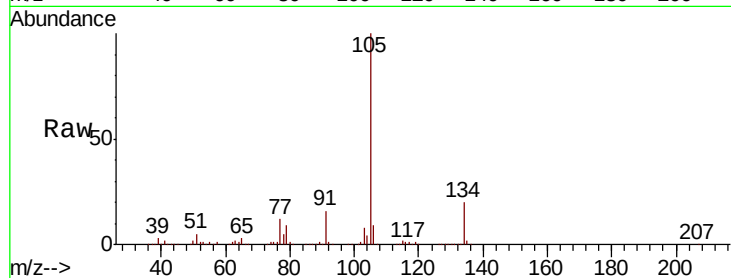
VSTDIC150

Tot Ion:105 Resp: 1536625

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4



#86

p-Isopropyltoluene

Concen: 164.928 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

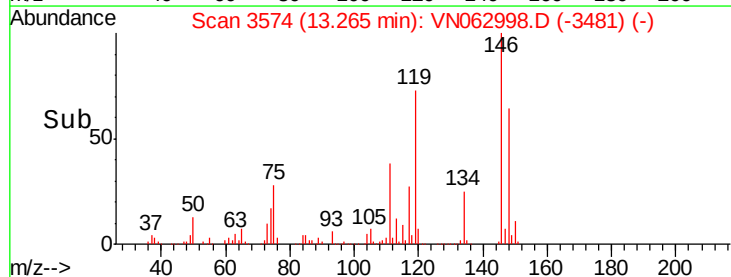
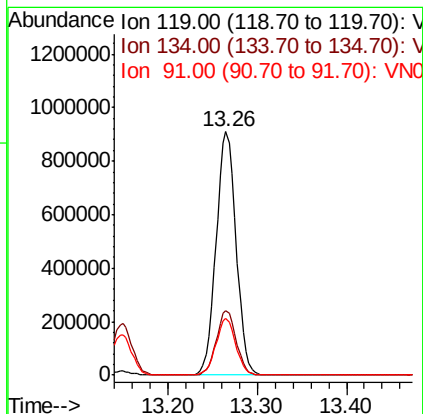
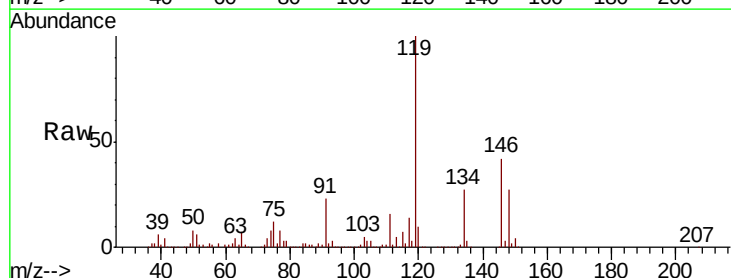
Tgt Ion:119 Resp: 1407901

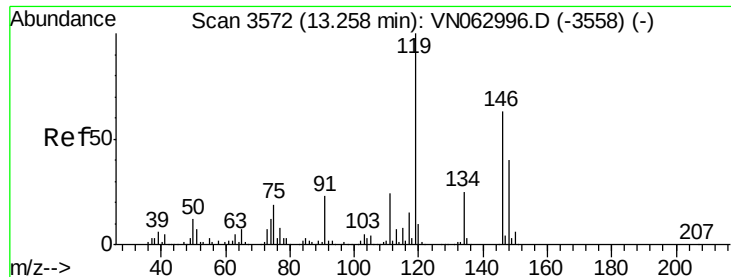
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 22.9 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 151.387 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

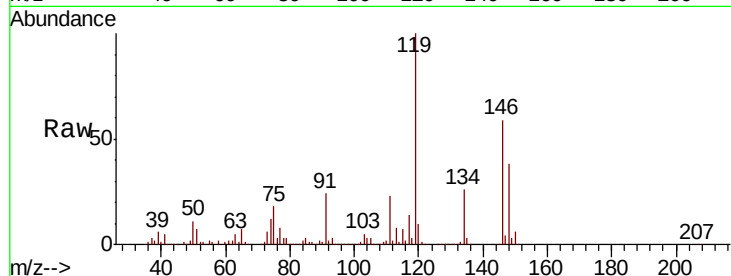
Tot Ion:146 Resp: 727008

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.1

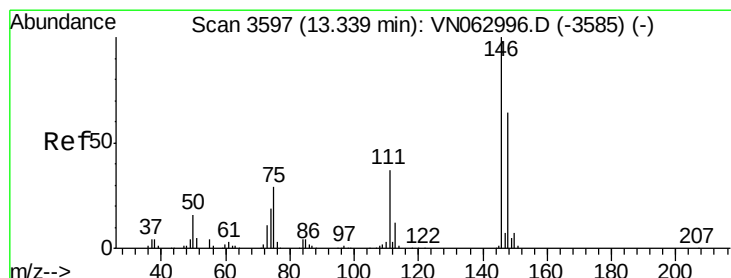
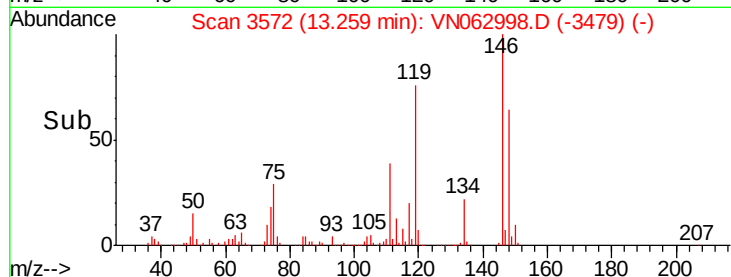
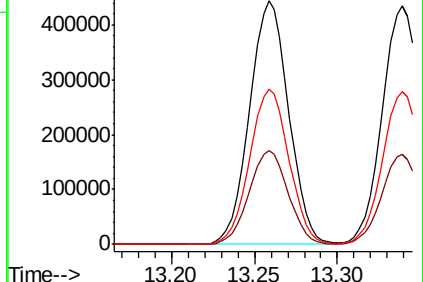
148 64.0 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 148.445 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

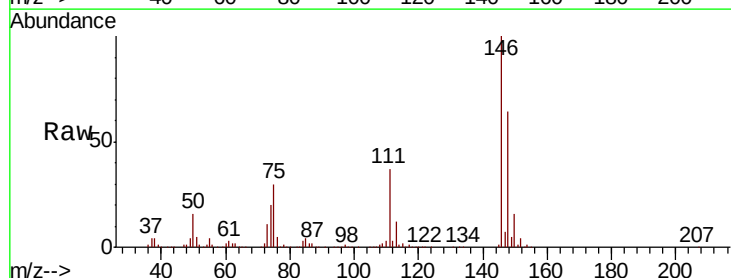
Tgt Ion:146 Resp: 723551

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.4

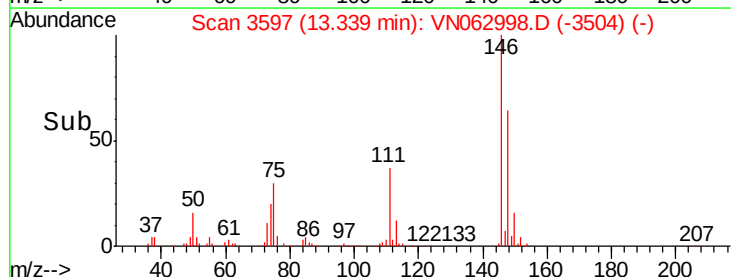
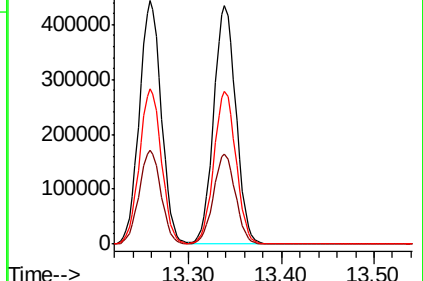
148 63.9 32.4 97.0

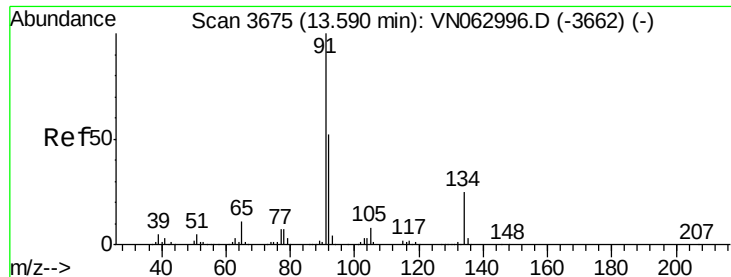


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 174.092 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

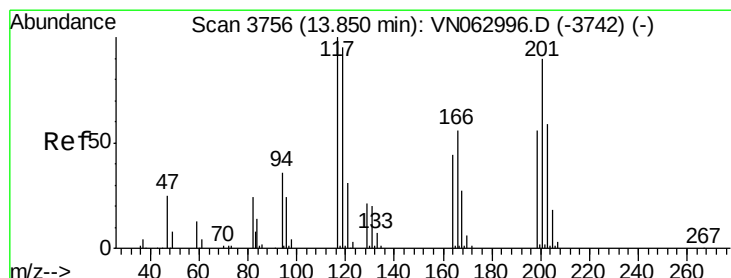
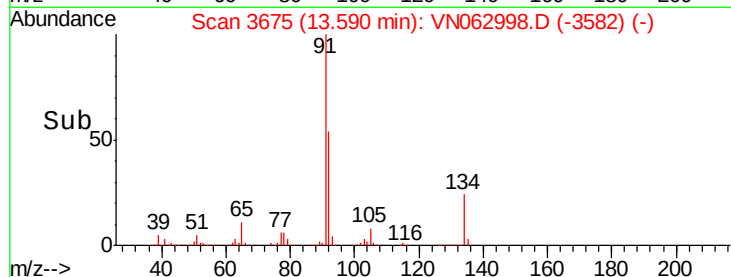
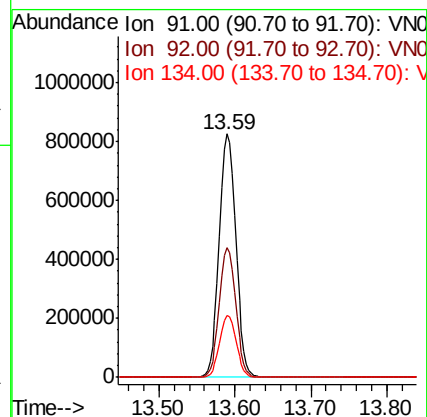
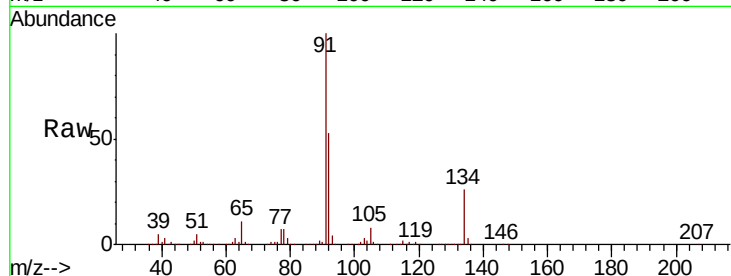
Tot Ion: 91 Resp: 1254166

Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.9	77.6
134	25.5	12.4	37.0

91 100

92 52.8 25.9 77.6

134 25.5 12.4 37.0



#90

Hexachloroethane

Concen: 142.020 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062998.D

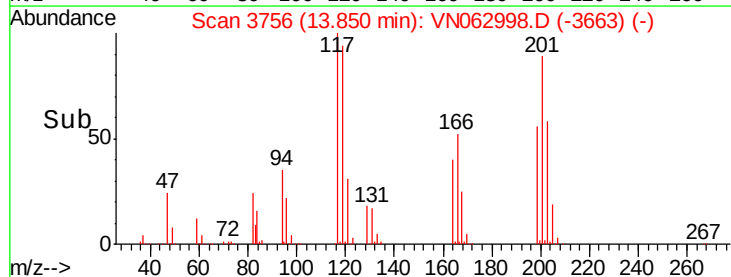
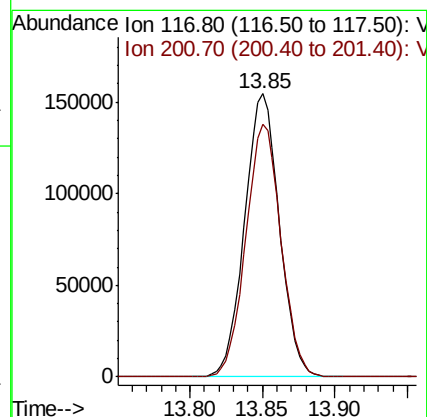
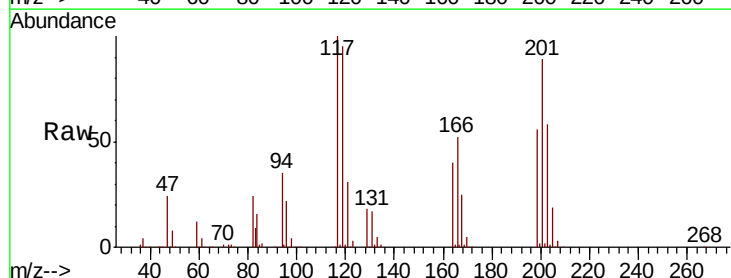
Acq: 18 Aug 2020 20:42

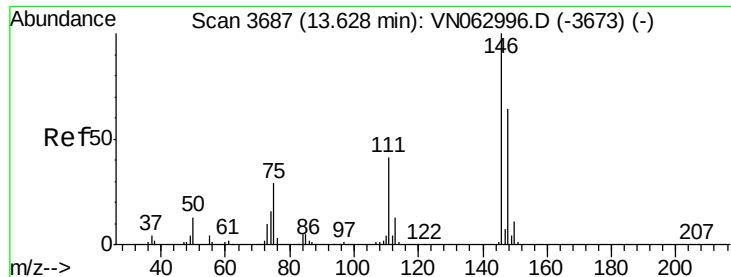
Tgt Ion: 117 Resp: 257681

Ion	Ratio	Lower	Upper
117	100		
201	90.3	44.1	132.4

117 100

201 90.3 44.1 132.4

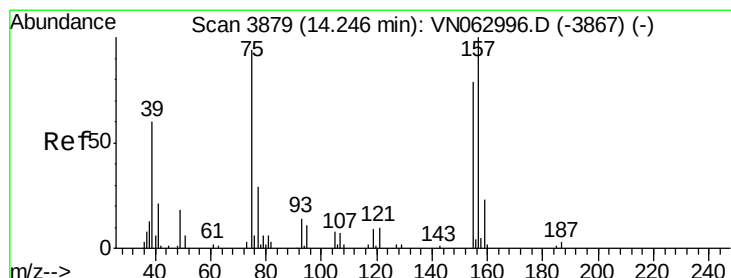
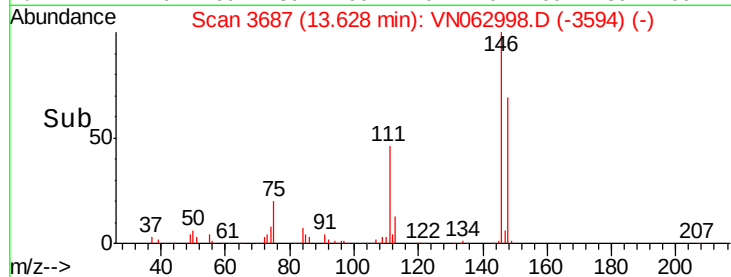
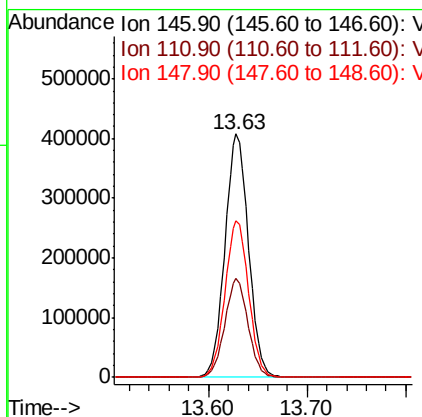
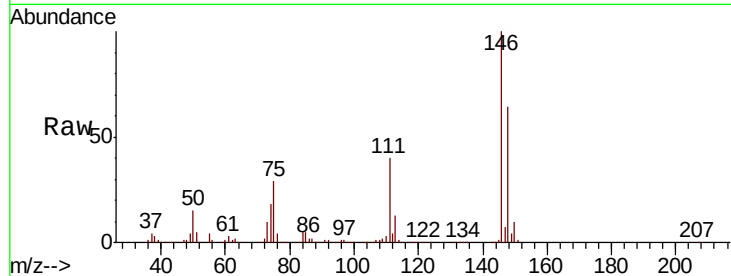




#91
 1,2-Dichlorobenzene
 Concen: 147.315 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

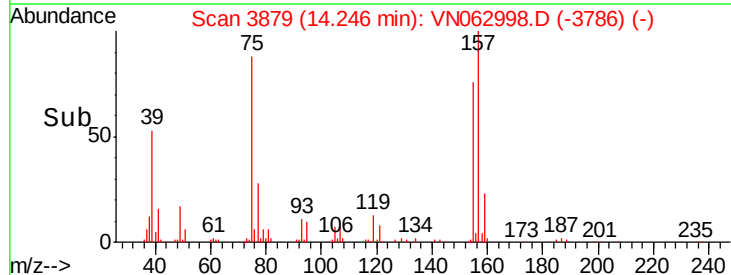
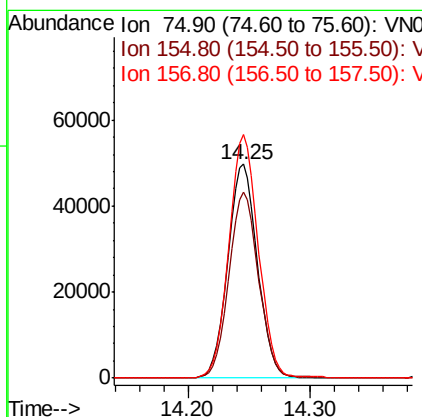
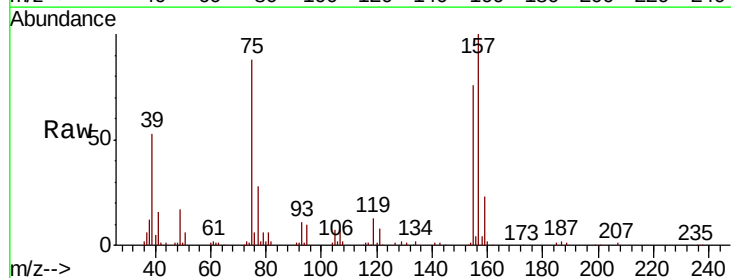
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

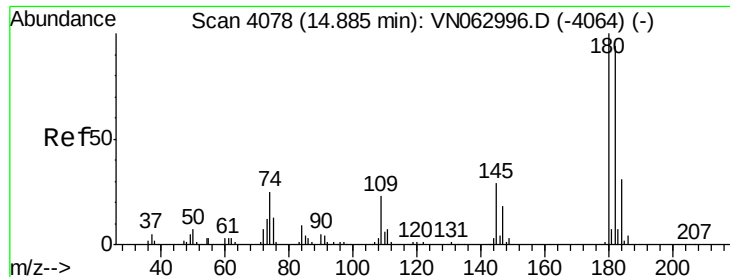
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	64.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.981 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.4	127.1
157	112.9	55.2	165.6

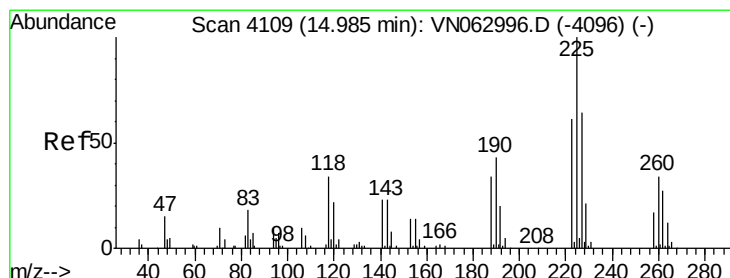
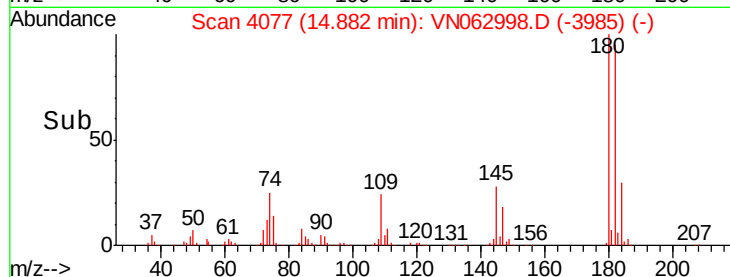
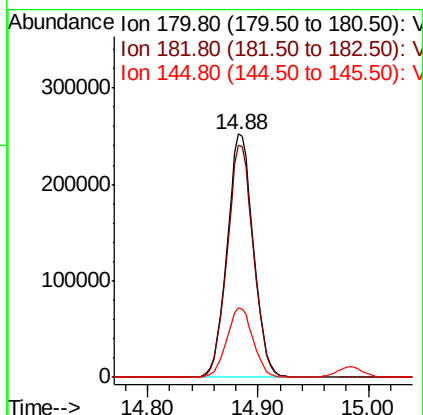
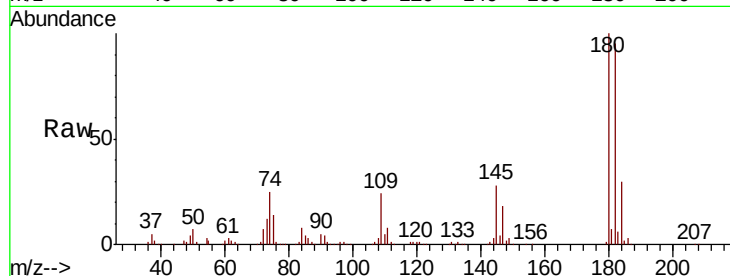




#93
 1,2,4-Trichlorobenzene
 Concen: 205.190 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

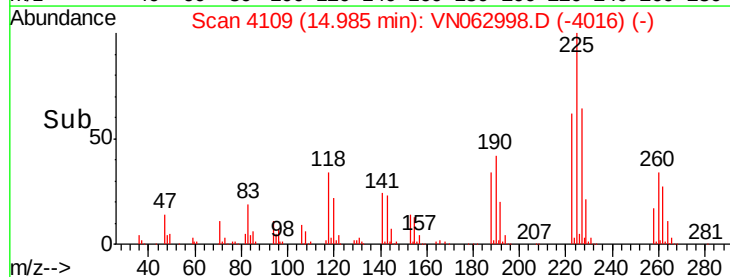
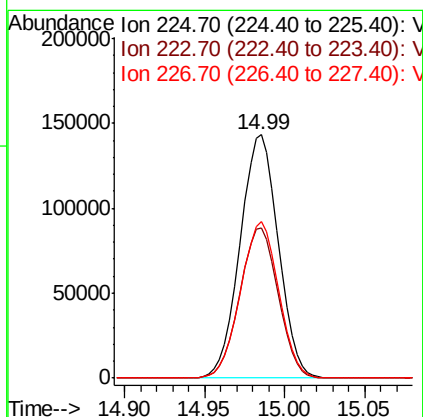
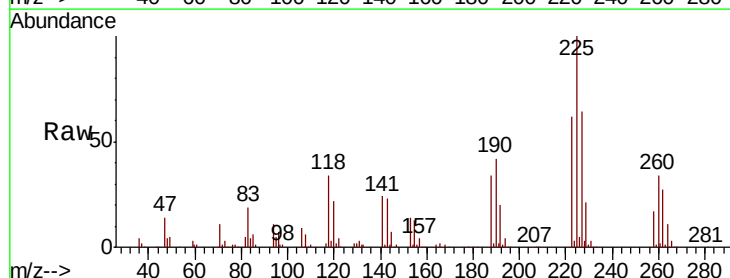
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

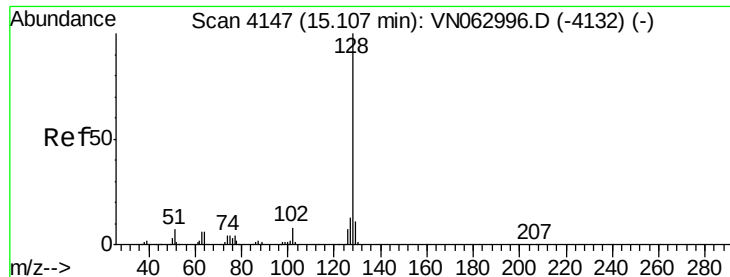
Tot Ion:180 Resp: 415880
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.0 141.2
 145 28.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 136.358 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion:225 Resp: 233738
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.9 92.5
 227 64.2 31.9 95.9

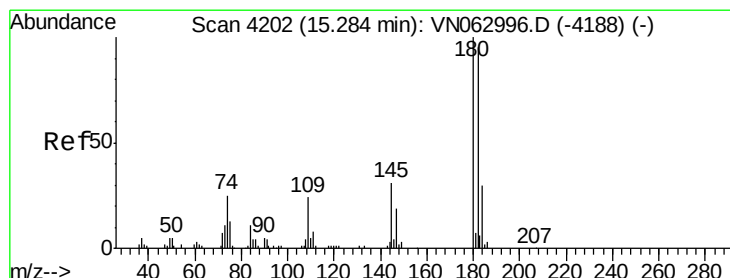
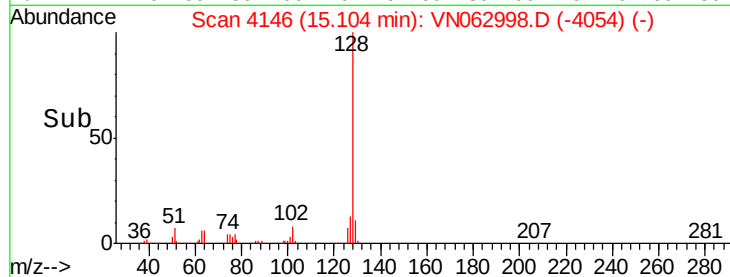
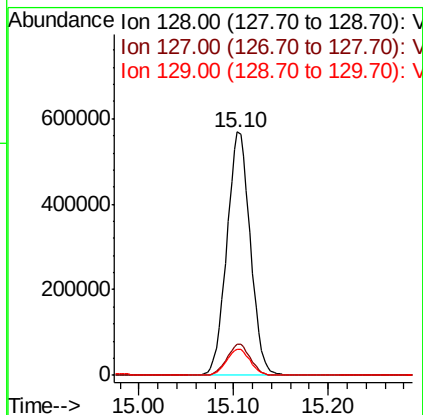
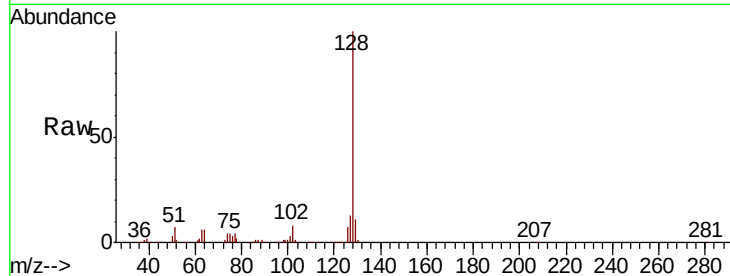




#95
Naphthalene
Concen: 216.525 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 978904
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 196.628 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:180 Resp: 400241
Ion Ratio Lower Upper
180 100
182 96.4 47.3 141.9
145 30.3 15.6 46.7

