

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN082520\
 Data File : VN063116.D
 Acq On : 25 Aug 2020 16:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 01 07:45:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 29 16:53:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	194773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	295598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	268179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	123812	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.55	113	96560	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.06	98	378760	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.38	95	132873	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	110979	43.648	ug/l	98
3) Chloromethane	2.04	50	132485	49.609	ug/l	99
4) Vinyl Chloride	2.16	62	118105	45.729	ug/l	99
5) Bromomethane	2.54	94	45733	29.833	ug/l	99
6) Chloroethane	2.67	64	73140	47.965	ug/l	98
7) Trichlorofluoromethane	2.98	101	145137	45.062	ug/l	97
8) Diethyl Ether	3.38	74	58576	51.409	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77264	44.519	ug/l	99
10) Methyl Iodide	3.91	142	77477	35.219	ug/l	100
11) Tert butyl alcohol	4.75	59	73403	224.489	ug/l	96
12) 1,1-Dichloroethene	3.70	96	69111	41.802	ug/l	100
13) Acrolein	3.58	56	2229	21.760	ug/l #	1
14) Allyl chloride	4.28	41	131386	45.071	ug/l	98
15) Acrylonitrile	4.94	53	248922	259.010	ug/l	99
16) Acetone	3.79	43	235325	328.132	ug/l	99
17) Carbon Disulfide	4.01	76	163177	37.686	ug/l	100
18) Methyl Acetate	4.28	43	256519	111.819	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	321439	55.749	ug/l	99
20) Methylene Chloride	4.50	84	97519	47.858	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	77106	44.565	ug/l	98
22) Diisopropyl ether	5.90	45	350285	52.952	ug/l	99
23) Vinyl Acetate	5.84	43	1143707	256.210	ug/l	100
24) 1,1-Dichloroethane	5.80	63	174638	47.243	ug/l	98
25) 2-Butanone	6.79	43	319393	260.612	ug/l	98
26) 2,2-Dichloropropane	6.77	77	131587	45.264	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	101062	46.601	ug/l	98
28) Bromochloromethane	7.15	49	98469	50.911	ug/l	98
29) Tetrahydrofuran	7.17	42	210162	265.702	ug/l	99
30) Chloroform	7.33	83	178591	47.971	ug/l	99
31) Cyclohexane	7.61	56	147929	43.479	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	140679	46.286	ug/l	98
36) 1,1-Dichloropropene	7.75	75	113155	43.438	ug/l	99
37) Ethyl Acetate	6.88	43	121946	49.960	ug/l	98
38) Carbon Tetrachloride	7.73	117	113779	43.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	145439	41.624	ug/l	98
40) Benzene	8.00	78	378549	45.818	ug/l	99
41) Methacrylonitrile	7.12	41	63840	54.894	ug/l	96
42) 1,2-Dichloroethane	8.08	62	134016	48.308	ug/l	99
43) Isopropyl Acetate	8.13	43	213566	52.813	ug/l	100
44) Trichloroethene	8.80	130	95985	46.705	ug/l	99
45) 1,2-Dichloropropane	9.08	63	113959	47.717	ug/l	98
46) Dibromomethane	9.17	93	68438	49.605	ug/l	99
47) Bromodichloromethane	9.37	83	144718	47.892	ug/l	99
48) Methyl methacrylate	9.17	41	107392	56.129	ug/l	97
49) 1,4-Dioxane	9.18	88	24444	586.985	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	699738	273.760	ug/l	100
52) Toluene	10.12	92	236615	47.475	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	158081	50.588	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	170946	49.868	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	104276	48.931	ug/l	99
56) Ethyl methacrylate	10.40	69	162597	49.421	ug/l	97
57) 1,3-Dichloropropane	10.68	76	175223	49.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	362786	443.448	ug/l	99
59) 2-Hexanone	10.72	43	501263	281.151	ug/l	100
60) Dibromochloromethane	10.87	129	112312	47.622	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101225	49.434	ug/l	100
64) Tetrachloroethene	10.60	164	97098	55.080	ug/l	99
65) Chlorobenzene	11.41	112	256255	47.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	102275	48.820	ug/l	99
67) Ethyl Benzene	11.48	91	456123	50.119	ug/l	100
68) m/p-Xylenes	11.60	106	346421	102.416	ug/l	100
69) o-Xylene	11.92	106	168923	52.007	ug/l	99
70) Styrene	11.94	104	301032	46.829	ug/l	99
71) Bromoform	12.10	173	81280	48.744	ug/l #	99
73) Isopropylbenzene	12.22	105	447471	51.196	ug/l	99
74) N-amyl acetate	12.05	43	212176	67.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	139277	49.360	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	187432	75.550	ug/l #	100
77) Bromobenzene	12.50	156	115549	48.068	ug/l	97
78) n-propylbenzene	12.57	91	518772	52.072	ug/l	100
79) 2-Chlorotoluene	12.65	91	305409	48.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	380464	52.657	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	50967	56.422	ug/l	96
82) 4-Chlorotoluene	12.75	91	326834	51.222	ug/l	99
83) tert-Butylbenzene	12.97	119	315647	50.616	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	392146	55.711	ug/l	99
85) sec-Butylbenzene	13.15	105	427950	50.777	ug/l	100
86) p-Isopropyltoluene	13.26	119	391279	53.281	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	202471	49.010	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	200052	47.710	ug/l	99
89) n-Butylbenzene	13.59	91	350218	50.300	ug/l	99
90) Hexachloroethane	13.85	117	66150	42.380	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	199196	49.916	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	28479	64.697	ug/l	99

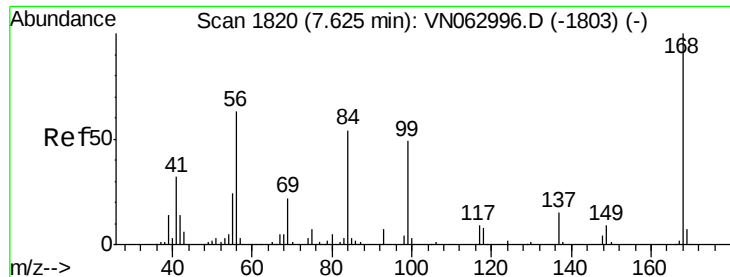
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	133234	59.302	ug/l	99
94) Hexachlorobutadiene	14.98	225	64188	43.529	ug/l	99
95) Naphthalene	15.10	128	389313	73.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	129563	58.976	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

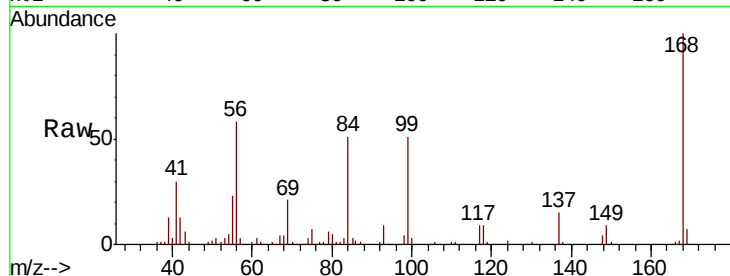
VSTDCCC050EC

Tot Ion:168 Resp: 194773

Ion Ratio Lower Upper

168 100

99 50.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

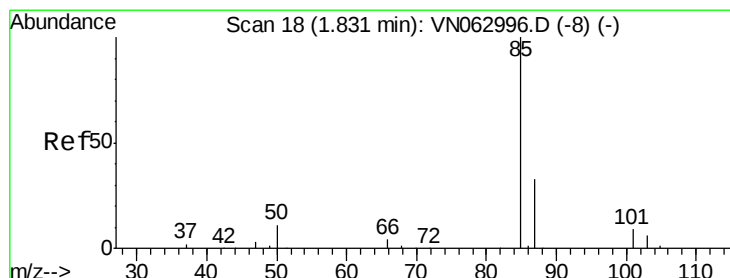
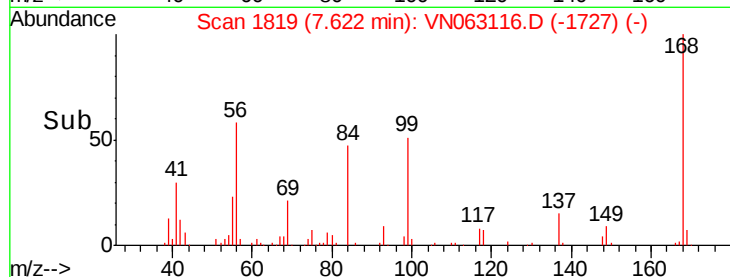
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 43.648 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.01 min

Lab File: VN063116.D

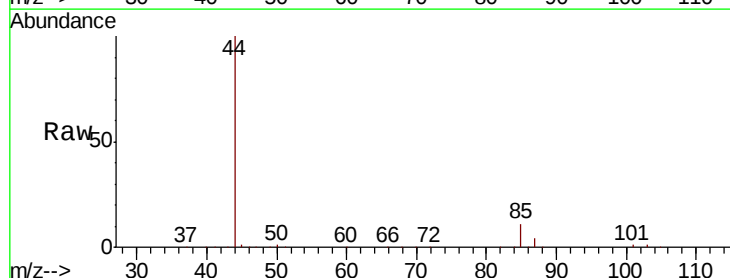
Acq: 25 Aug 2020 16:38

Tgt Ion: 85 Resp: 110979

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

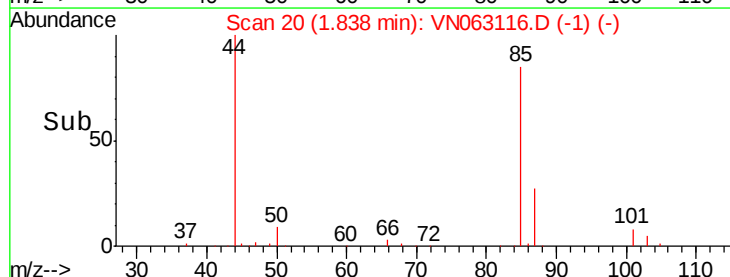
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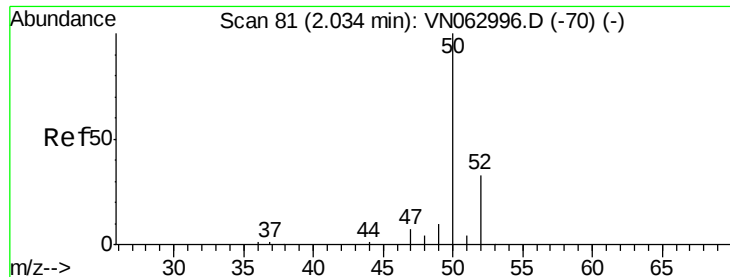
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 49.609 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

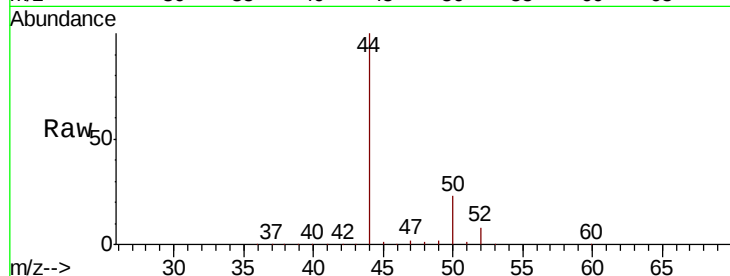
VSTDCCC050EC

Tot Ion: 50 Resp: 132485

Ion Ratio Lower Upper

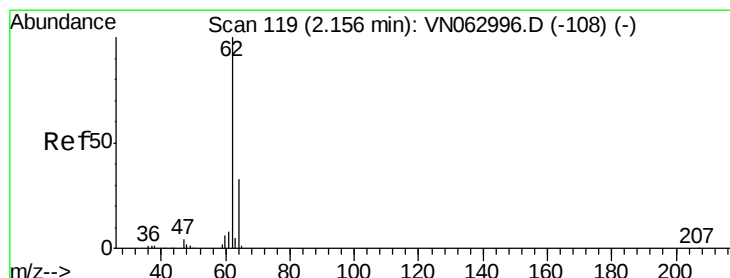
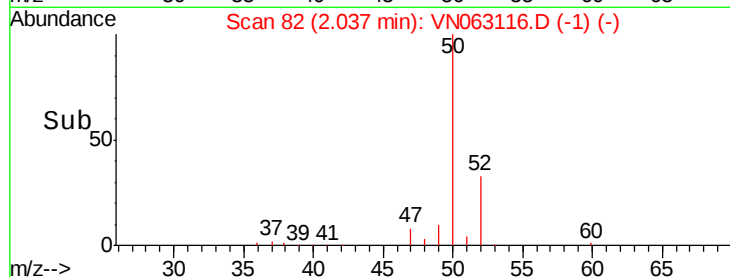
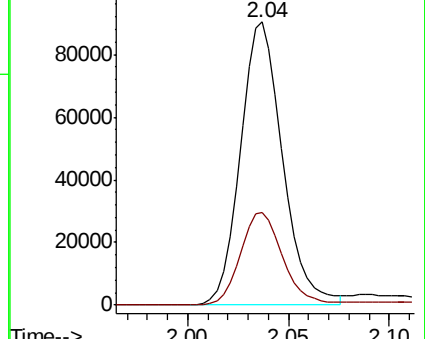
50 100

52 32.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN062996.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN062996.D (-70) (-)



#4

Vinyl Chloride

Concen: 45.729 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063116.D

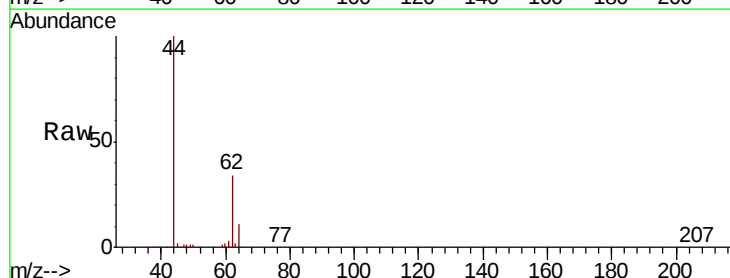
Acq: 25 Aug 2020 16:38

Tgt Ion: 62 Resp: 118105

Ion Ratio Lower Upper

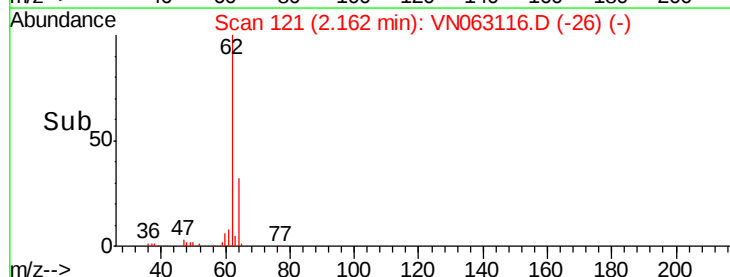
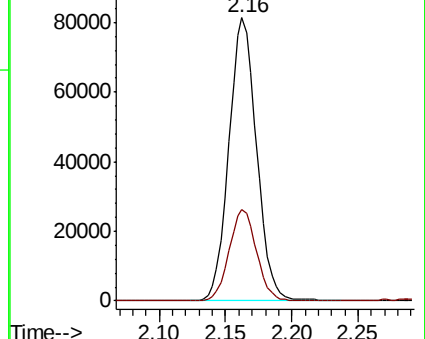
62 100

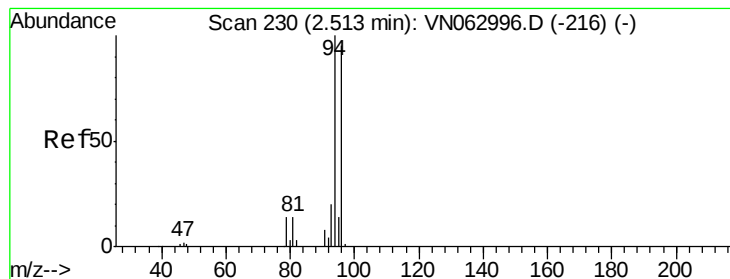
64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN062996.D (-108) (-)

Ion 63.90 (63.60 to 64.60): VN062996.D (-108) (-)





#5

Bromomethane

Concen: 29.833 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.03 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

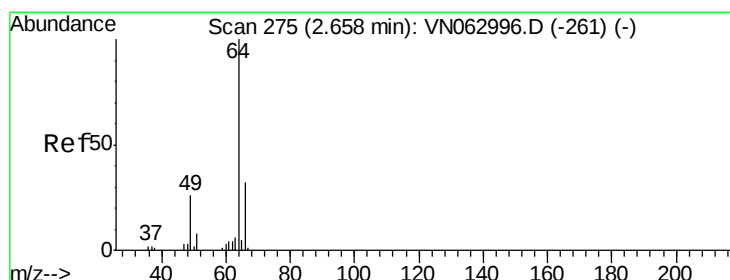
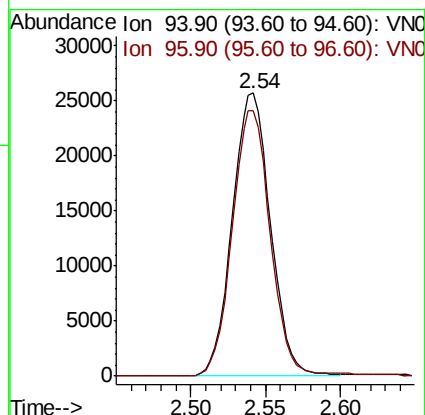
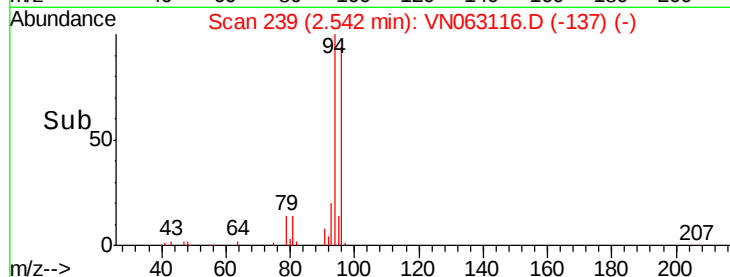
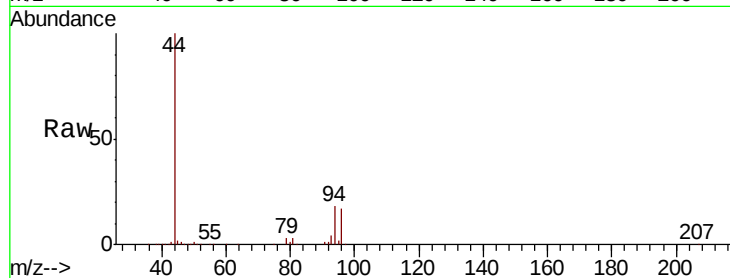
VSTDCCC050EC

Tot Ion: 94 Resp: 45733

Ion Ratio Lower Upper

94 100

96 94.0 75.8 113.8



#6

Chloroethane

Concen: 47.965 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN063116.D

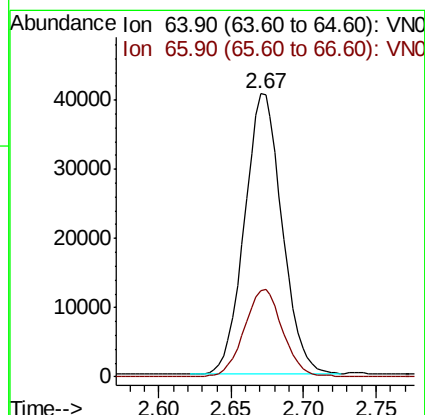
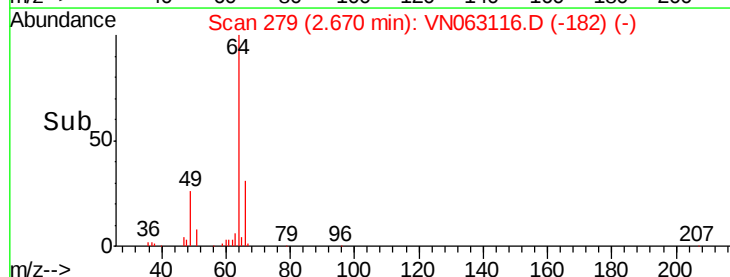
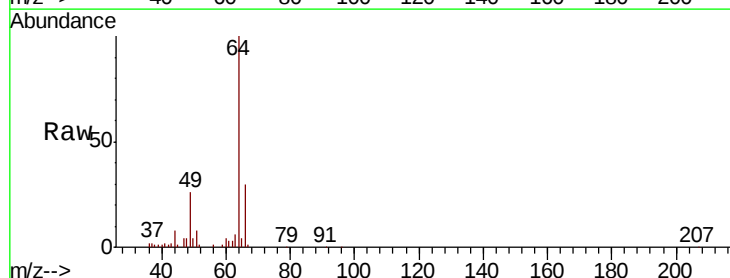
Acq: 25 Aug 2020 16:38

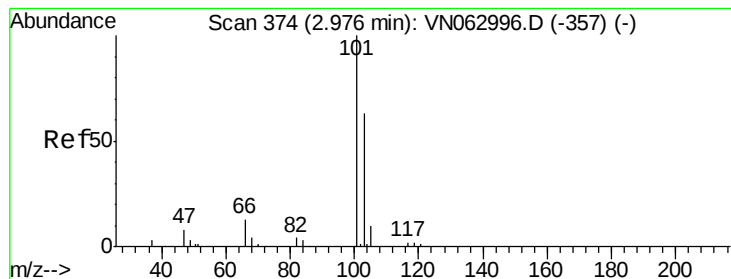
Tgt Ion: 64 Resp: 73140

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0



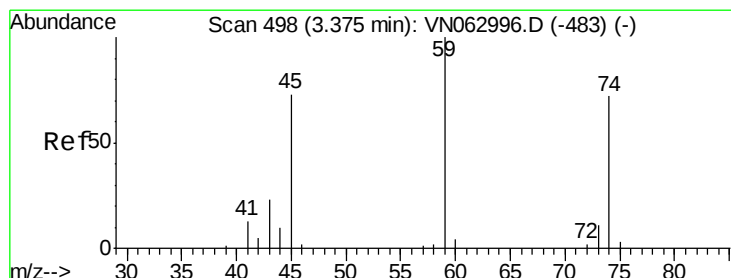
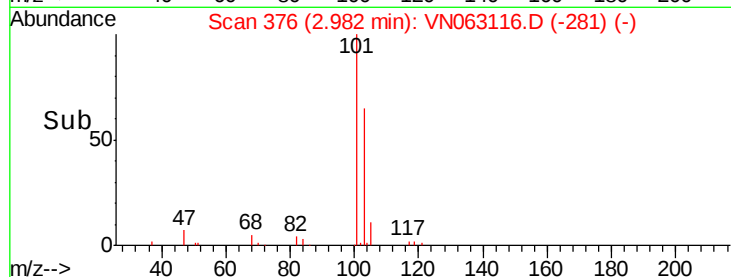
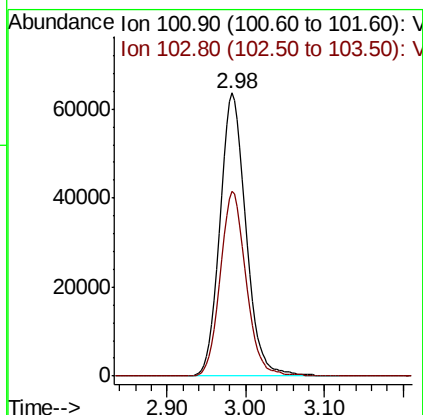
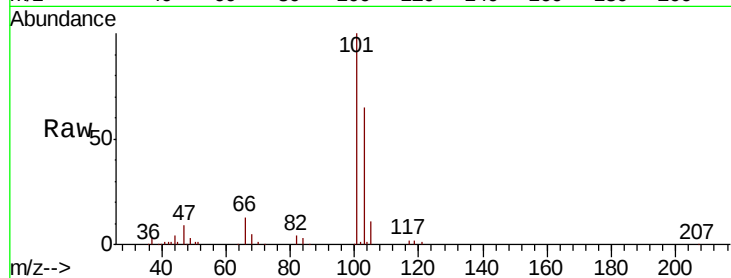


#7

Trichlorofluoromethane
Concen: 45.062 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.01 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
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VSTDCCC050EC

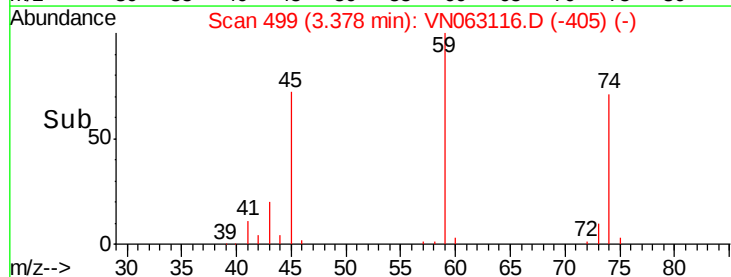
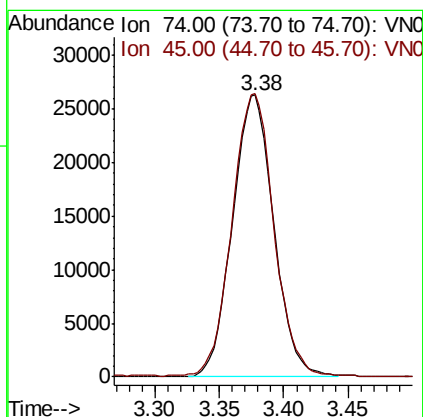
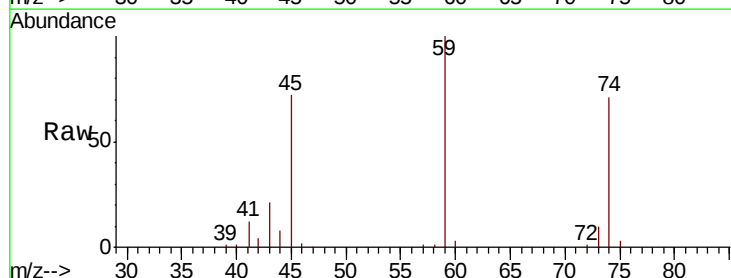
Tot Ion:101 Resp: 145137
Ion Ratio Lower Upper
101 100
103 65.4 50.5 75.7

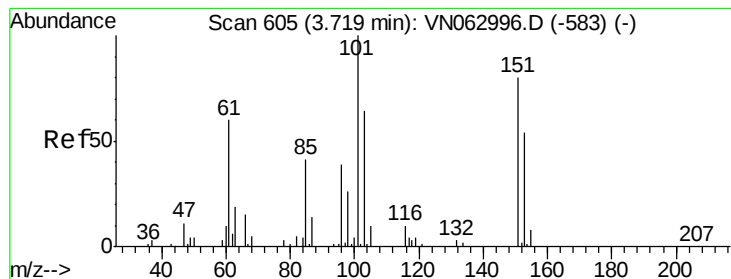


#8

Diethyl Ether
Concen: 51.409 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 74 Resp: 58576
Ion Ratio Lower Upper
74 100
45 102.8 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.519 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

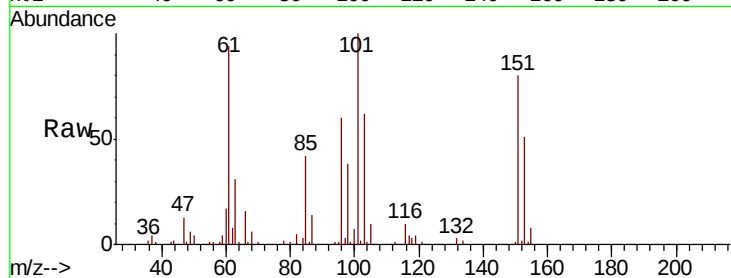
Tot Ion:101 Resp: 77264

Ion Ratio Lower Upper

101 100

85 43.2 34.0 51.0

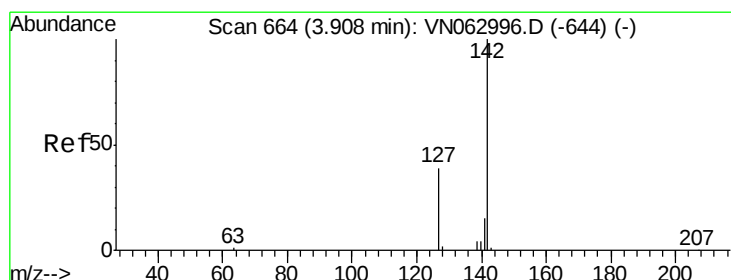
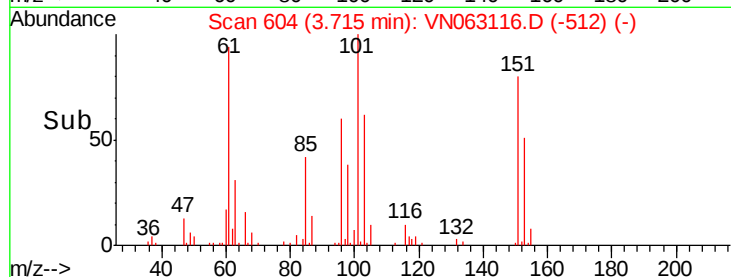
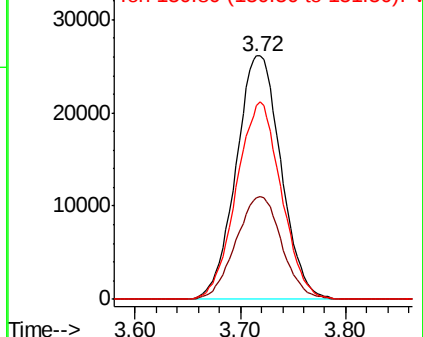
151 81.1 65.8 98.8



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: 35.219 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

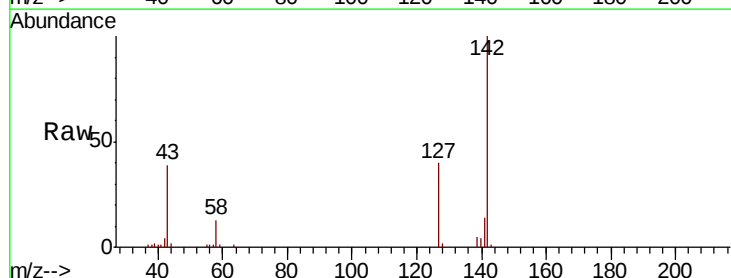
Tgt Ion:142 Resp: 77477

Ion Ratio Lower Upper

142 100

127 40.3 32.2 48.4

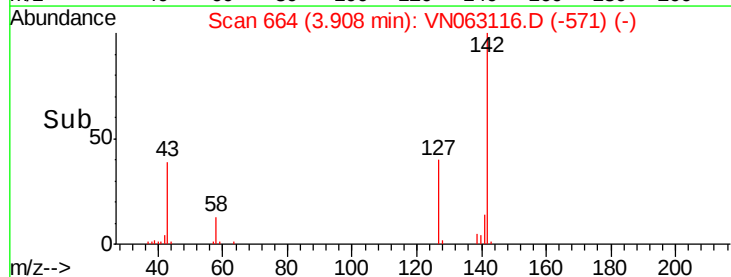
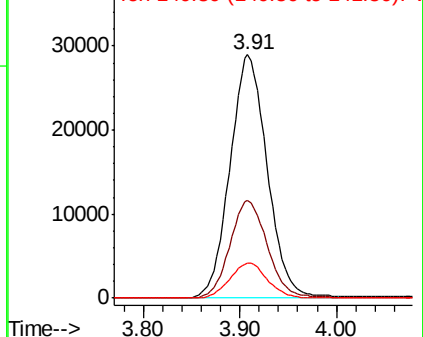
141 14.4 11.3 16.9

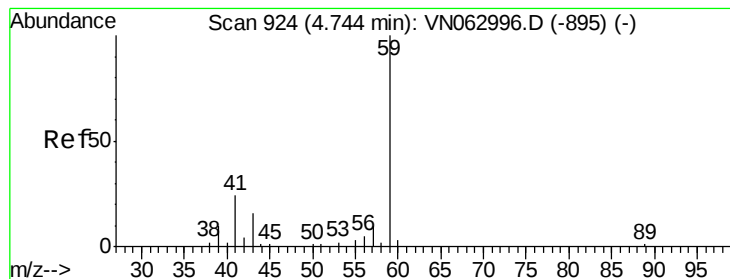


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



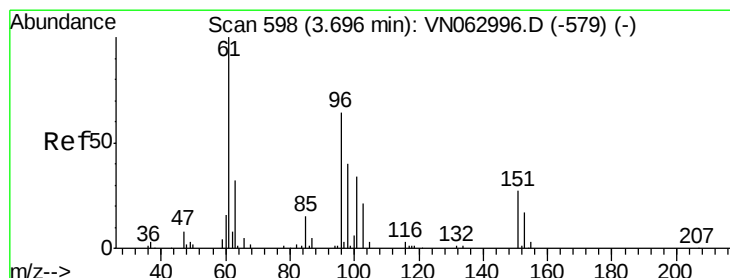
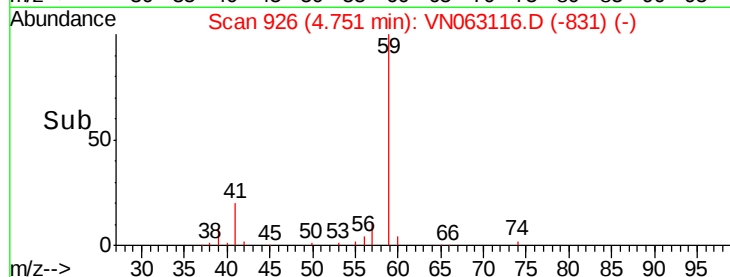
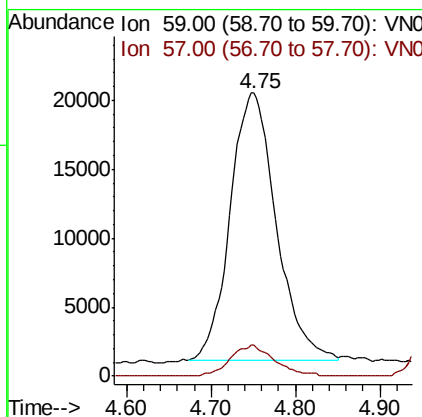
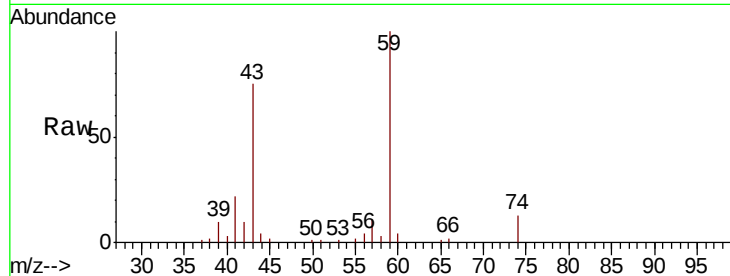


#11

Tert butyl alcohol
 Concen: 224.489 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

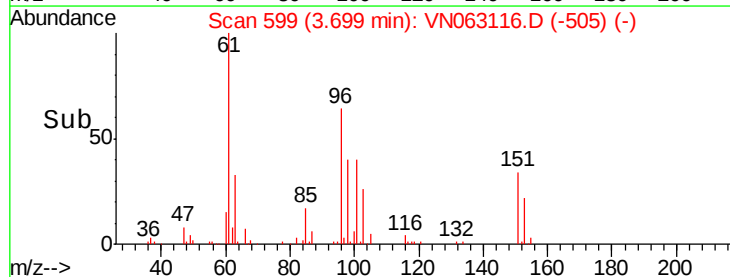
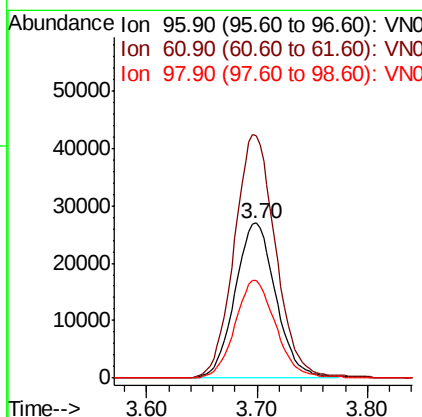
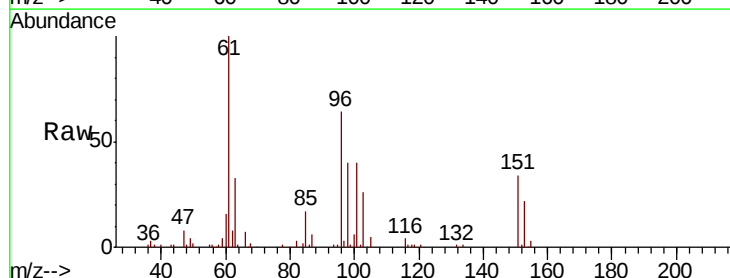
Tot Ion: 59 Resp: 73403
 Ion Ratio Lower Upper
 59 100
 57 11.2 7.8 11.6

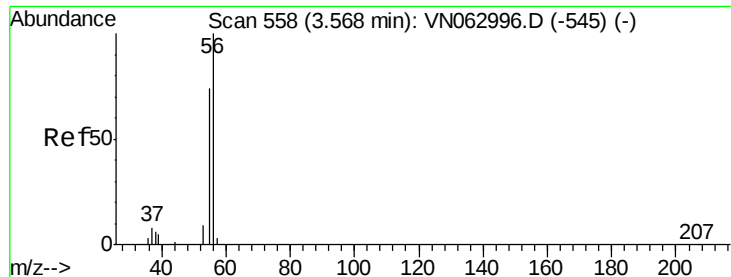


#12

1,1-Dichloroethene
 Concen: 41.802 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 96 Resp: 69111
 Ion Ratio Lower Upper
 96 100
 61 156.5 125.5 188.3
 98 62.9 50.4 75.6





#13

Acrolein

Concen: 21.760 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.02 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

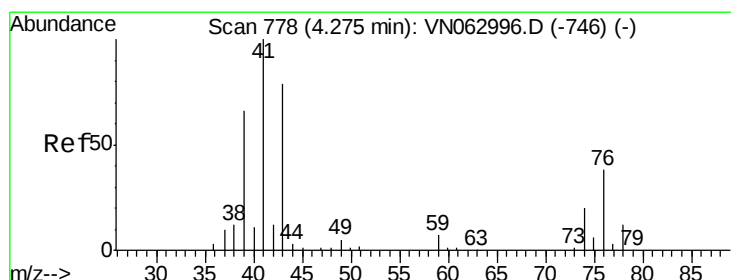
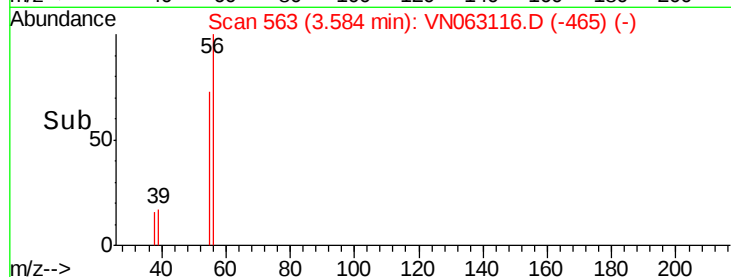
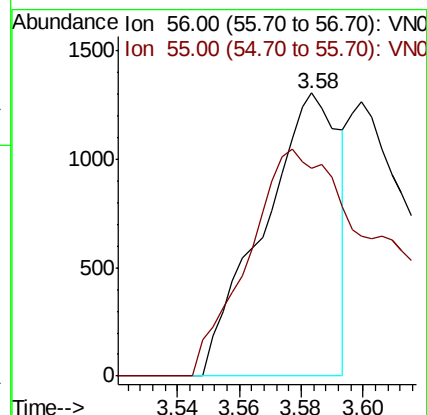
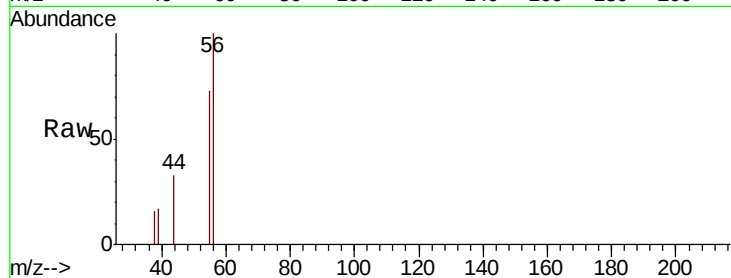
VSTDCCC050EC

Tot Ion: 56 Resp: 2229

Ion Ratio Lower Upper

56 100

55 161.2 58.4 87.6#



#14

Allyl chloride

Concen: 45.071 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

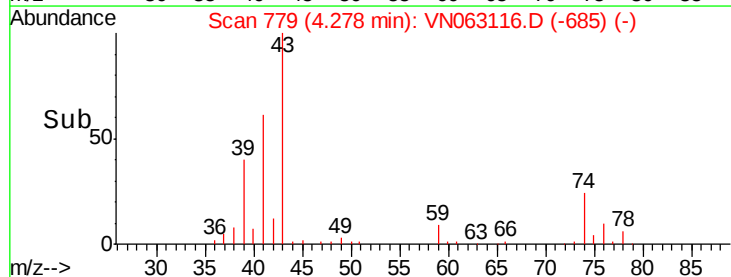
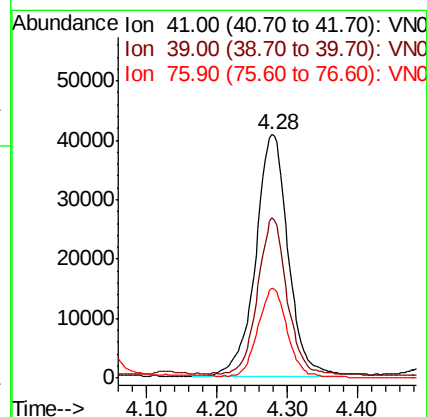
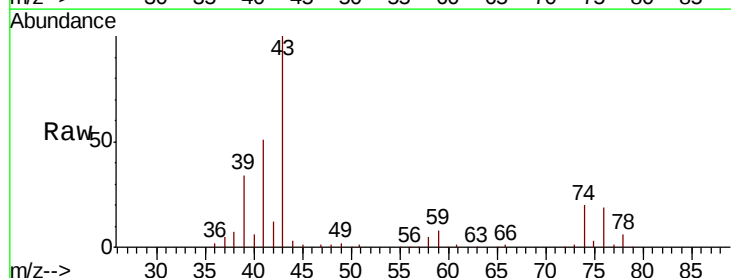
Tgt Ion: 41 Resp: 131386

Ion Ratio Lower Upper

41 100

39 57.9 47.9 71.9

76 32.7 27.0 40.6





#15

Acrylonitrile

Concen: 259.010 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

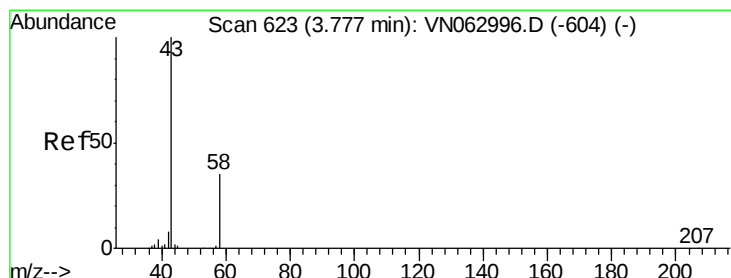
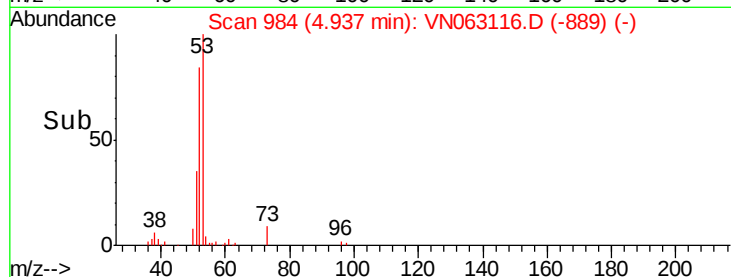
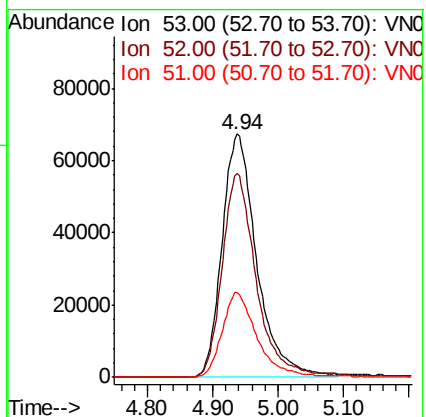
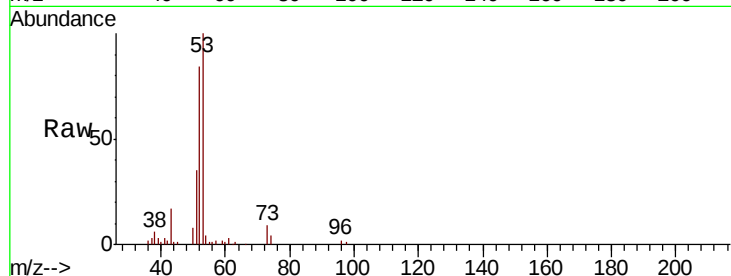
Tot Ion: 53 Resp: 248922

Ion Ratio Lower Upper

53 100

52 81.3 65.6 98.4

51 35.1 28.2 42.4



#16

Acetone

Concen: 328.132 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063116.D

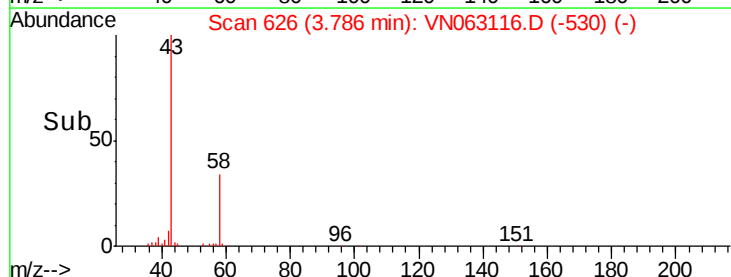
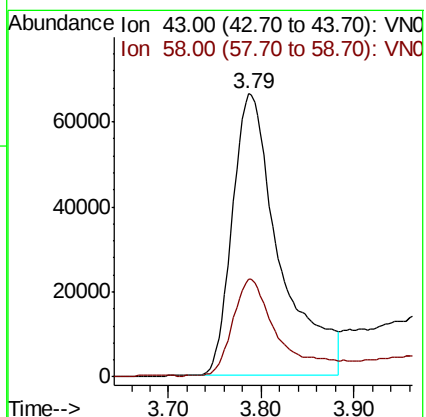
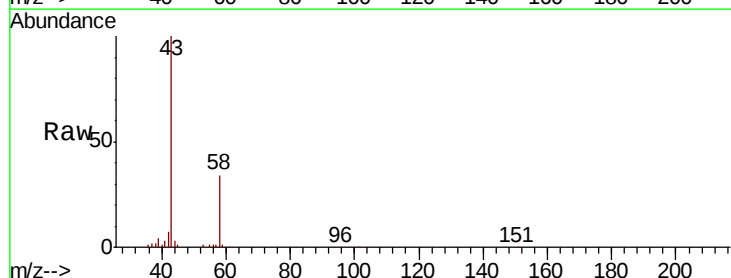
Acq: 25 Aug 2020 16:38

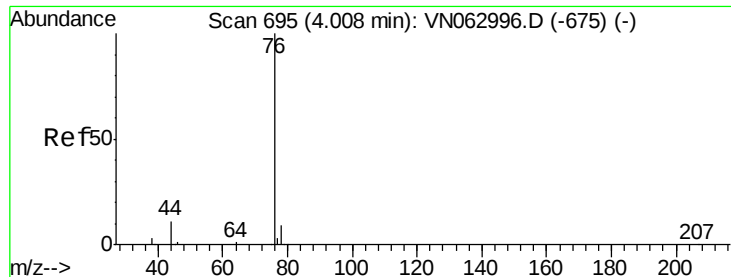
Tgt Ion: 43 Resp: 235325

Ion Ratio Lower Upper

43 100

58 34.1 27.8 41.6

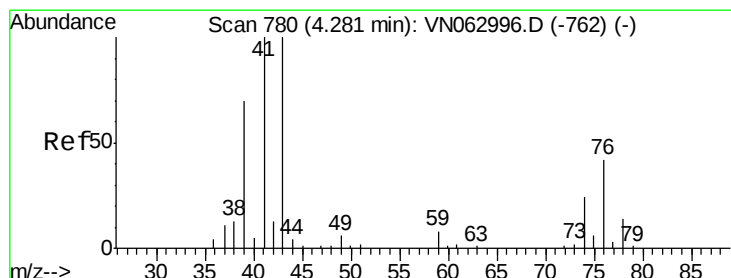
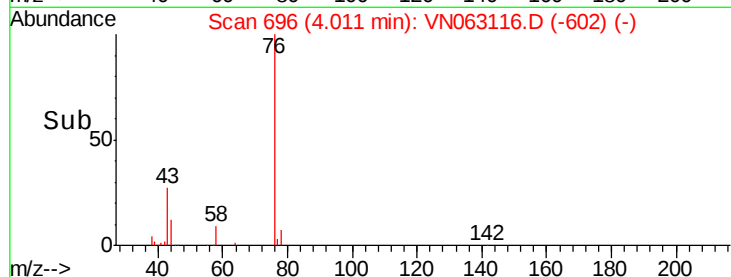
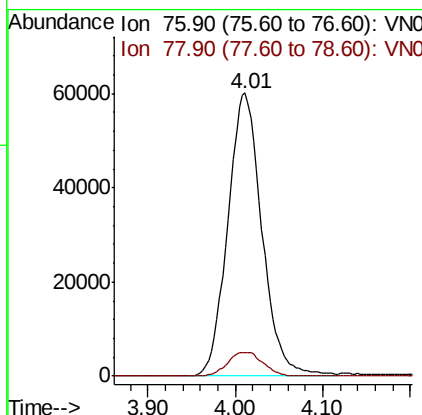
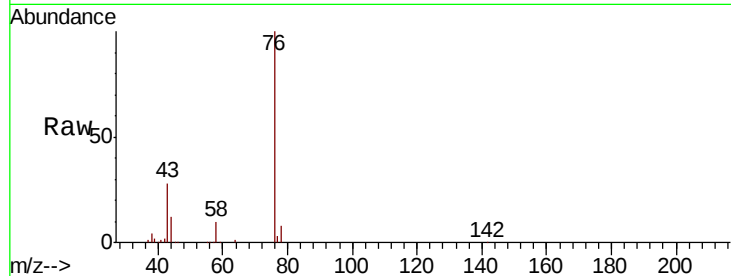




#17
Carbon Disulfide
Concen: 37.686 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

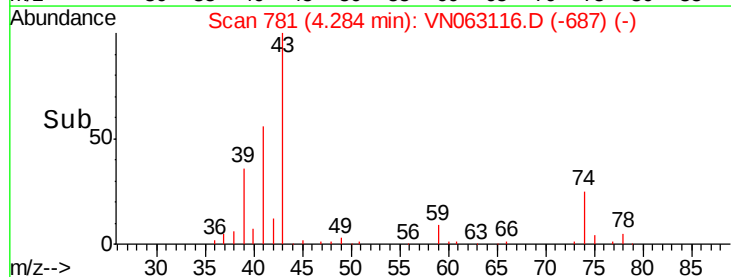
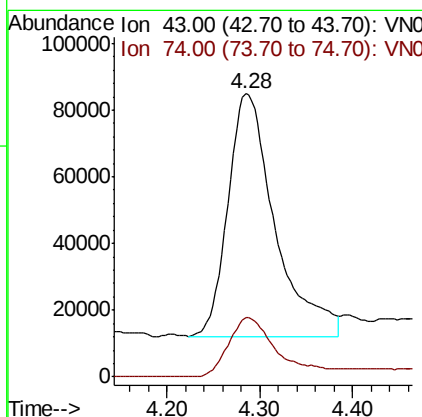
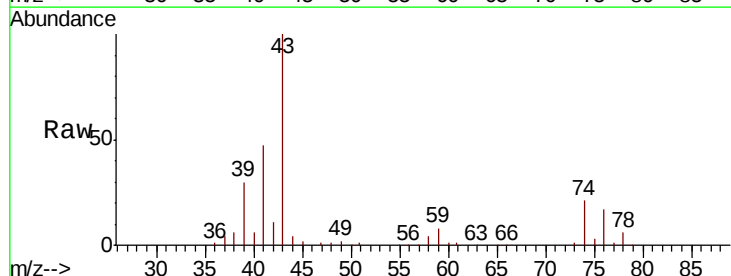
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

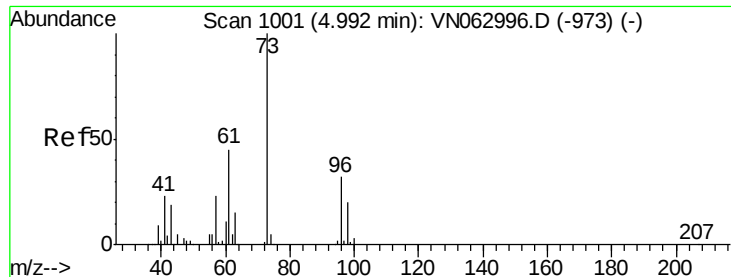
Tot Ion: 76 Resp: 163177
Ion Ratio Lower Upper
76 100
78 8.5 6.9 10.3



#18
Methyl Acetate
Concen: 111.819 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 43 Resp: 256519
Ion Ratio Lower Upper
43 100
74 26.0 18.6 28.0



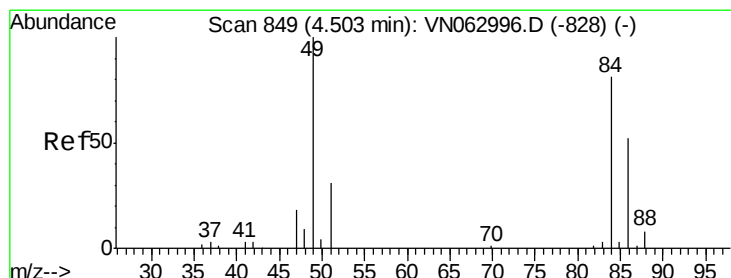
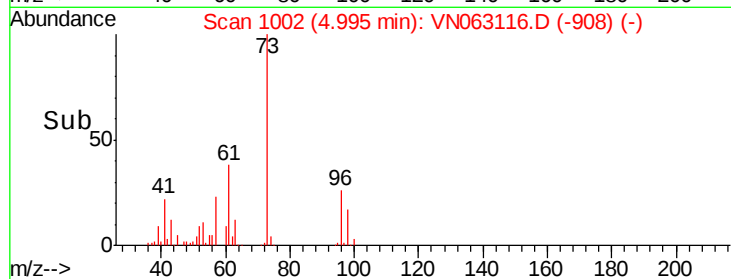
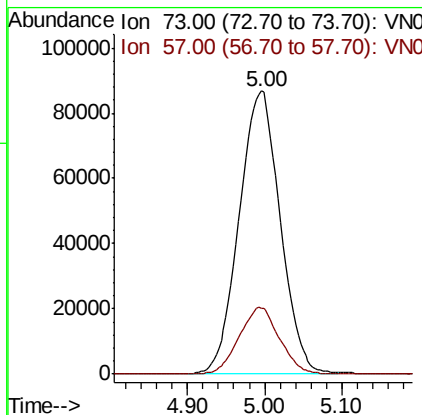
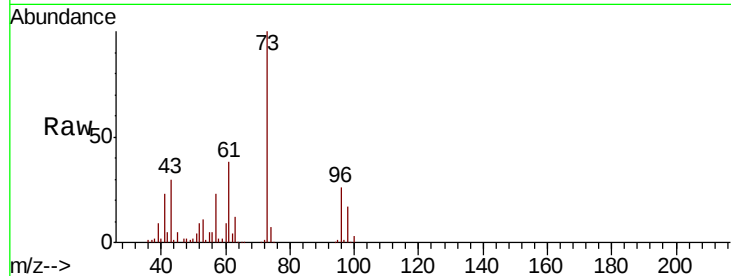


#19

Methyl tert-butyl Ether
 Concen: 55.749 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

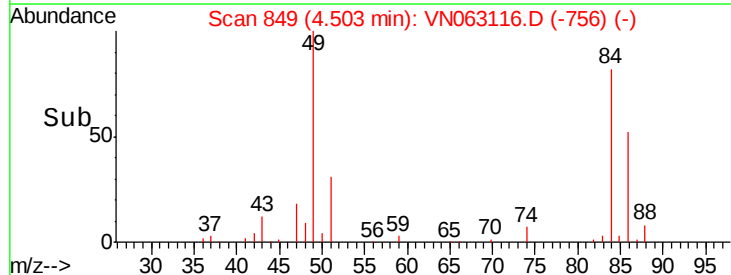
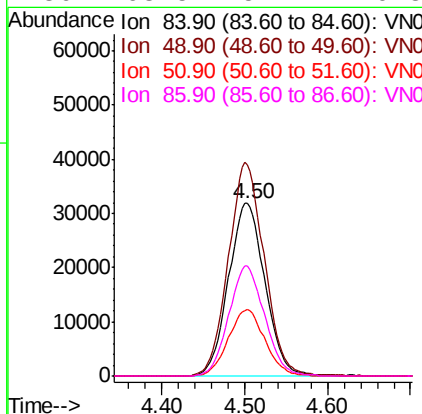
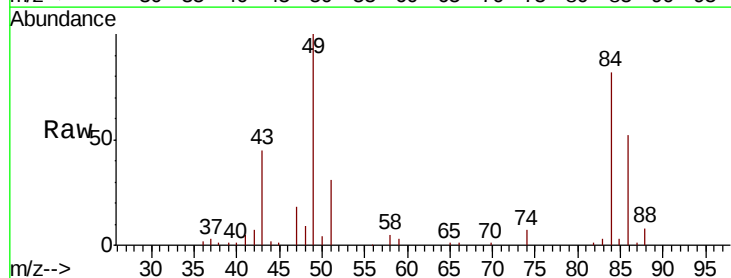
Tot Ion: 73 Resp: 321439
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.1 27.1

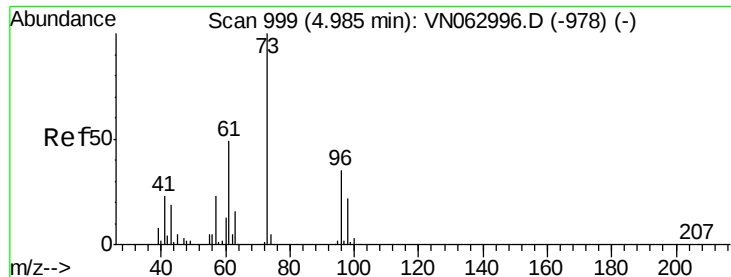


#20

Methylene Chloride
 Concen: 47.858 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 84 Resp: 97519
 Ion Ratio Lower Upper
 84 100
 49 122.6 98.7 148.1
 51 38.4 30.8 46.2
 86 63.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 44.565 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

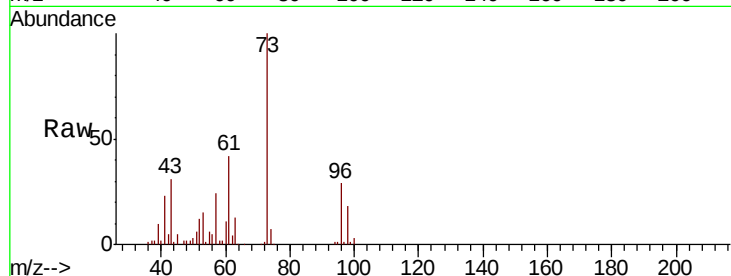
Tot Ion: 96 Resp: 77106

Ion Ratio Lower Upper

96 100

61 143.3 112.5 168.7

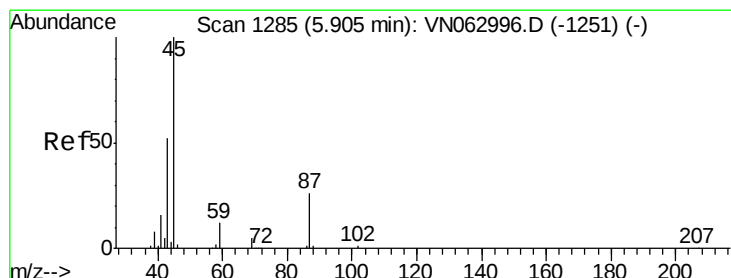
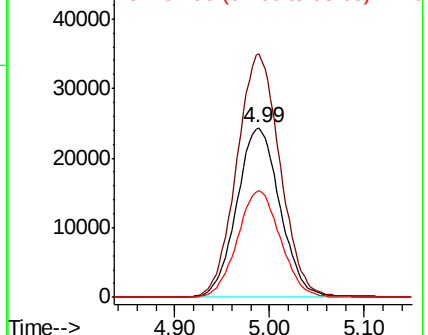
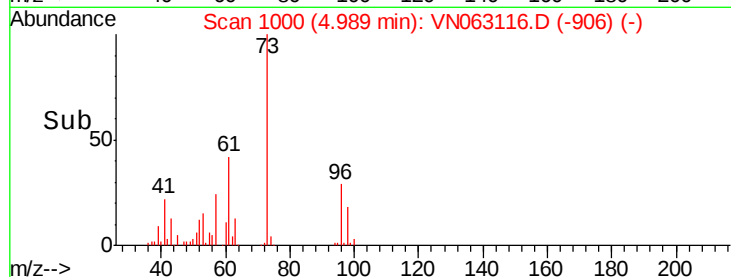
98 62.8 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN063116.D (-996) (-)

Ion 60.90 (60.60 to 61.60): VN063116.D (-996) (-)

Ion 97.90 (97.60 to 98.60): VN063116.D (-996) (-)



#22

Diisopropyl ether

Concen: 52.952 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion: 45 Resp: 350285

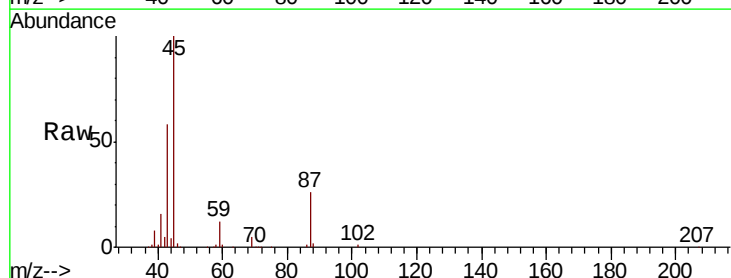
Ion Ratio Lower Upper

45 100

43 57.4 45.7 68.5

87 26.2 21.8 32.6

59 12.2 9.3 13.9

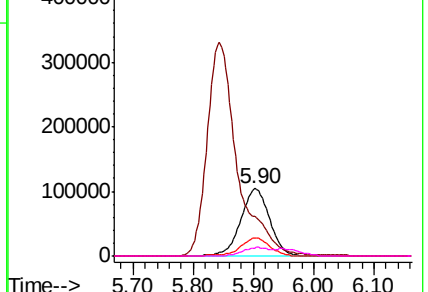
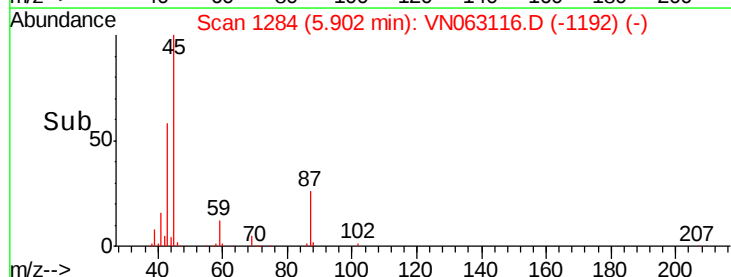


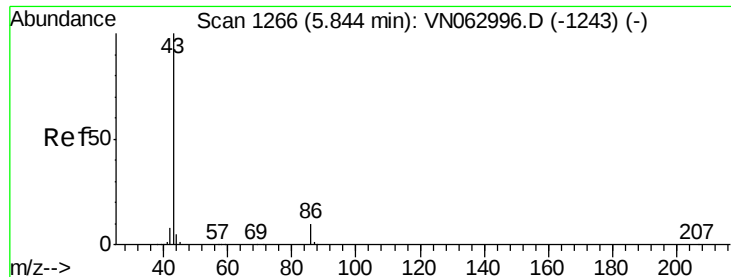
Abundance Ion 45.00 (44.70 to 45.70): VN063116.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN063116.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN063116.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN063116.D (-1192) (-)





#23

Vinyl Acetate

Concen: 256.210 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

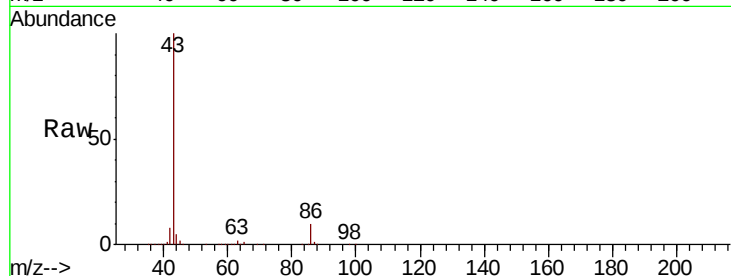
VSTDCCC050EC

Tot Ion: 43 Resp: 1143707

Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062996.D (-1243) (-)

5.84

300000

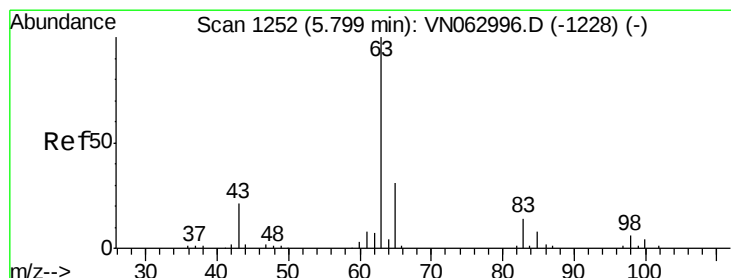
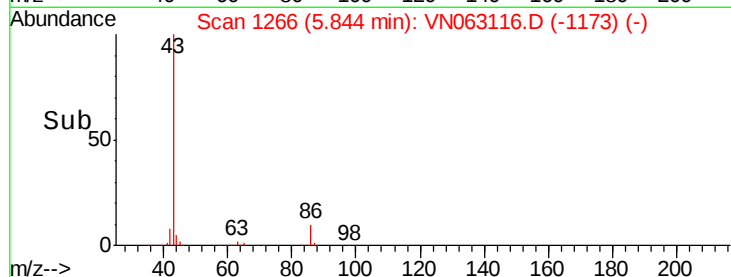
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.243 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

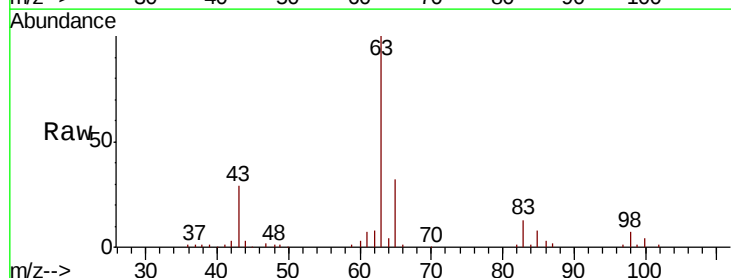
Tgt Ion: 63 Resp: 174638

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062996.D (-1228) (-)

5.80

60000

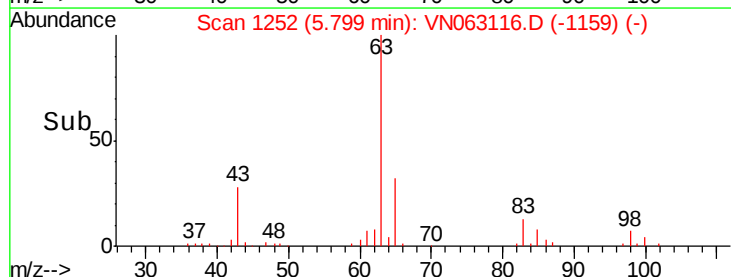
40000

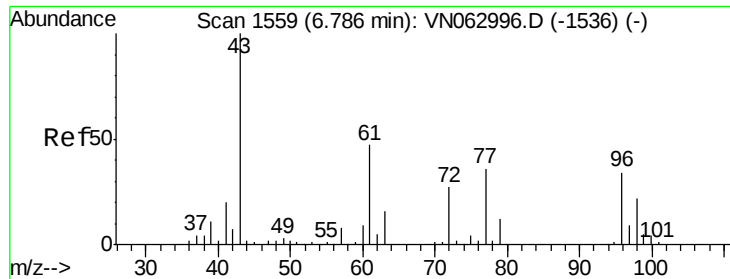
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 260.612 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

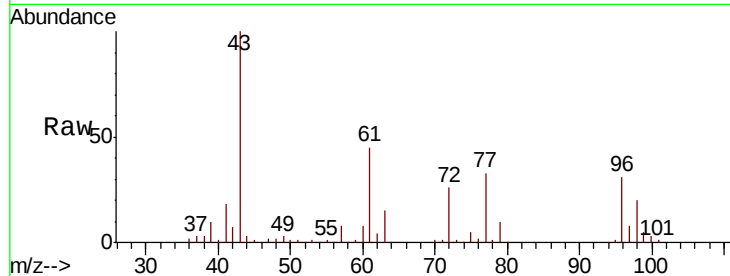
VSTDCCC050EC

Tot Ion: 43 Resp: 319393

Ion Ratio Lower Upper

43 100

72 26.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1536) (-)

Ion 72.00 (71.70 to 72.70): VN062996.D (-1536) (-)

6.79

120000

100000

80000

60000

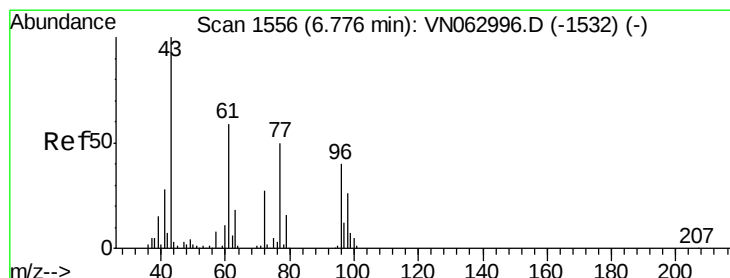
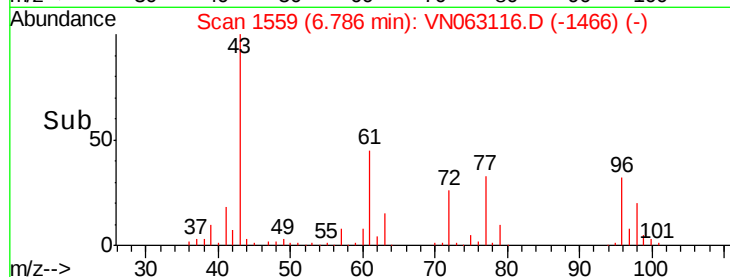
40000

20000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 45.264 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063116.D

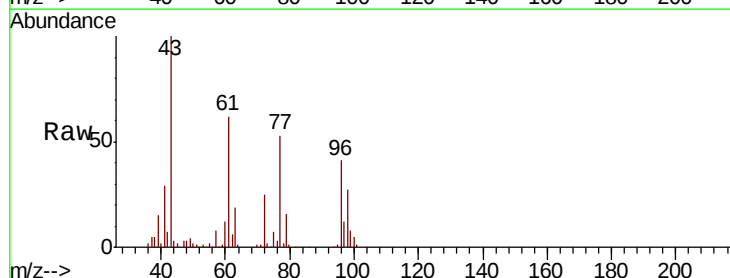
Acq: 25 Aug 2020 16:38

Tgt Ion: 77 Resp: 131587

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN062996.D (-1532) (-)

Ion 96.90 (96.60 to 97.60): VN062996.D (-1532) (-)

6.77

50000

40000

30000

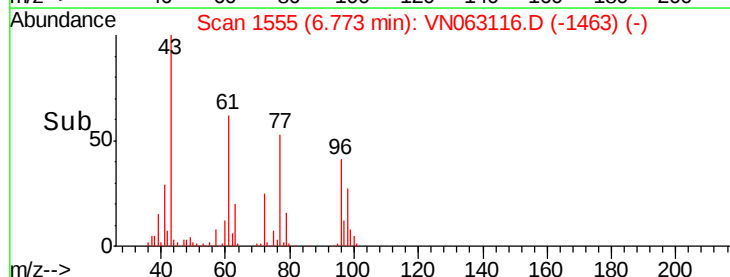
20000

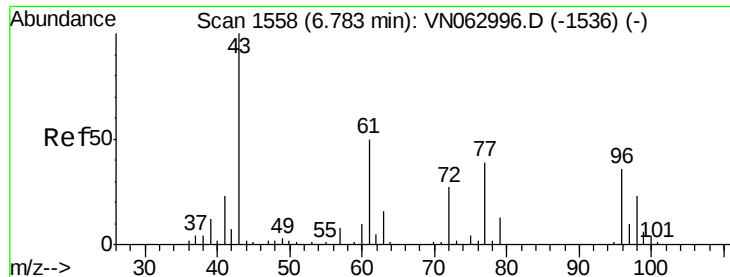
10000

0

6.70 6.75 6.80 6.85

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.601 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

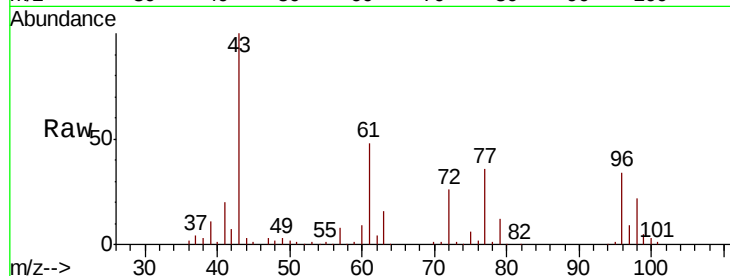
Tot Ion: 96 Resp: 101062

Ion Ratio Lower Upper

96 100

61 150.5 0.0 292.8

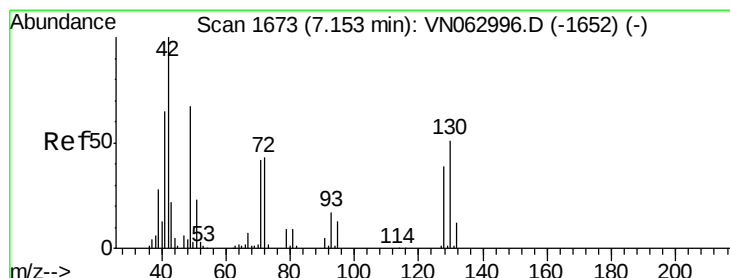
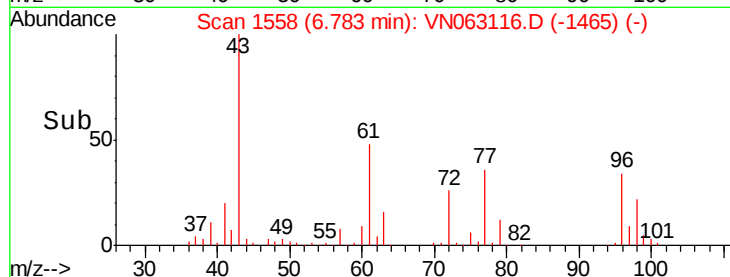
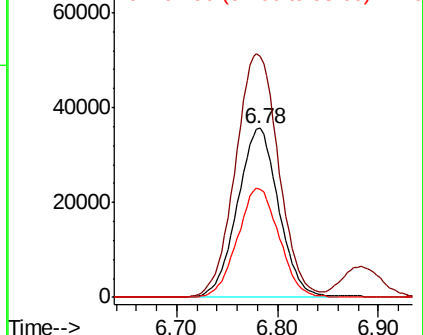
98 65.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.911 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

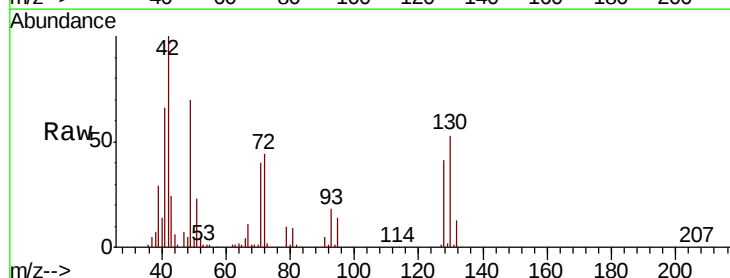
Tgt Ion: 49 Resp: 98469

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

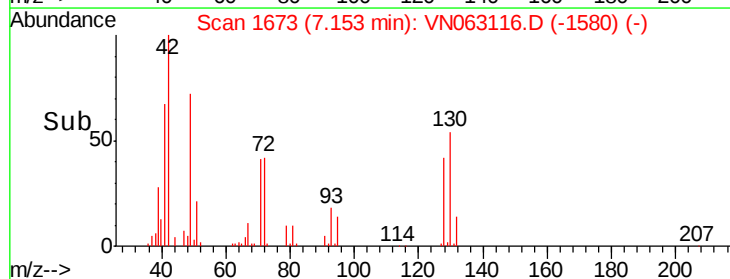
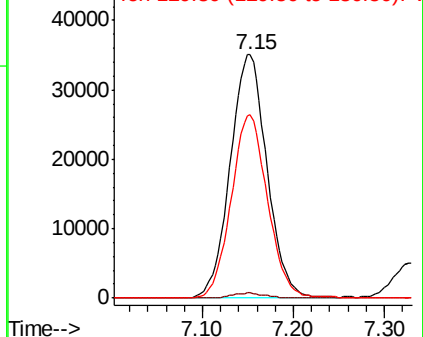
130 74.5 61.1 91.7

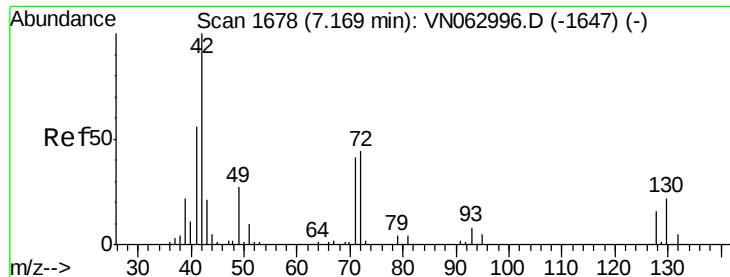


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 265.702 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

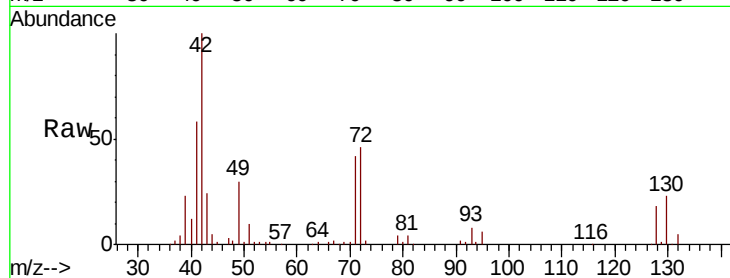
Tot Ion: 42 Resp: 210162

Ion Ratio Lower Upper

42 100

72 44.1 34.6 52.0

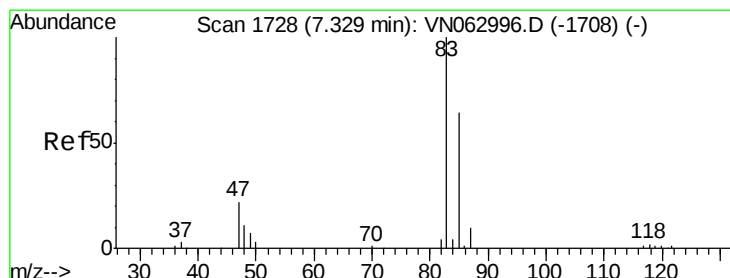
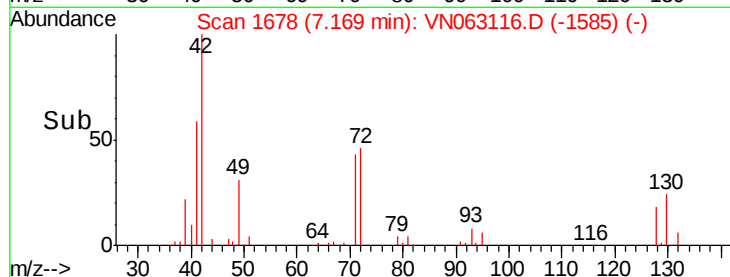
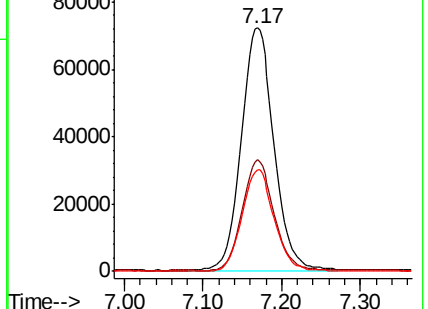
71 41.3 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN062996.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN062996.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062996.D (-1647) (-)



#30

Chloroform

Concen: 47.971 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN063116.D

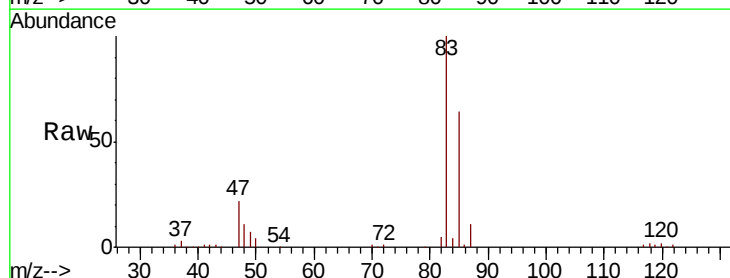
Acq: 25 Aug 2020 16:38

Tgt Ion: 83 Resp: 178591

Ion Ratio Lower Upper

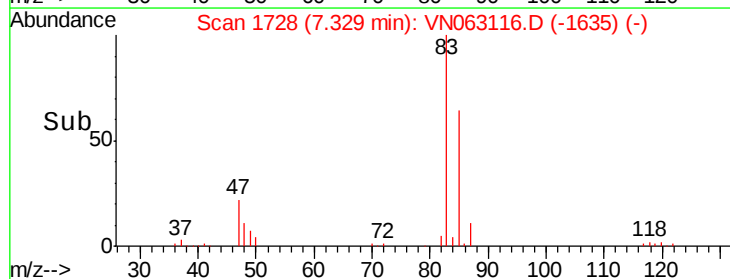
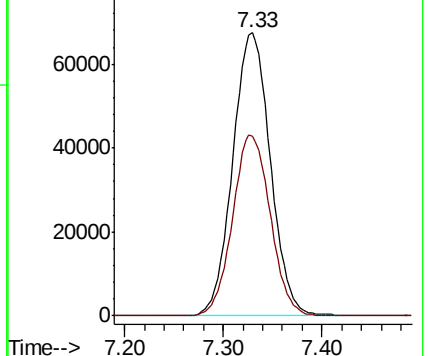
83 100

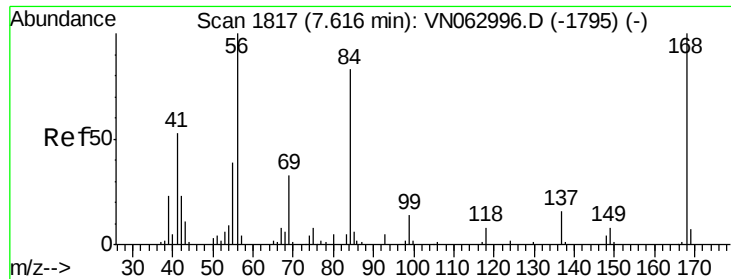
85 63.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-1708) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-1708) (-)

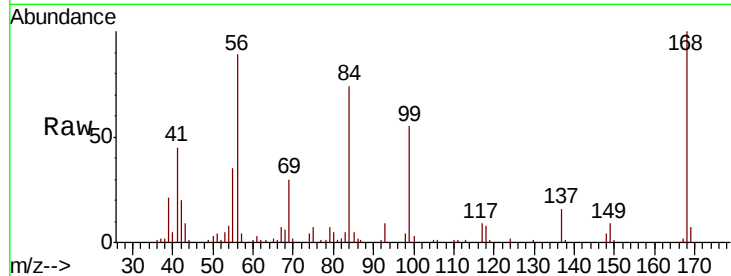




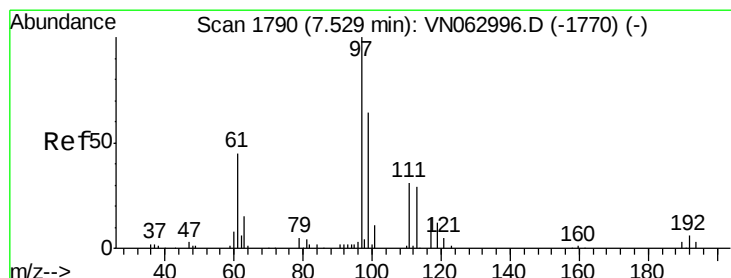
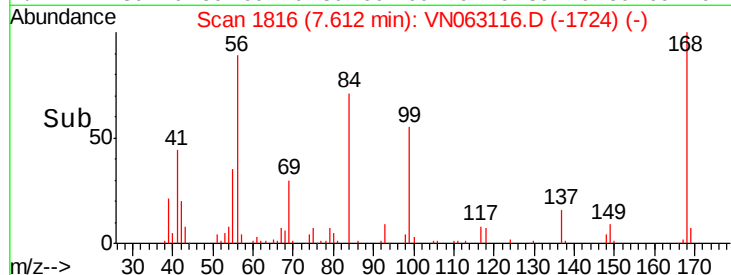
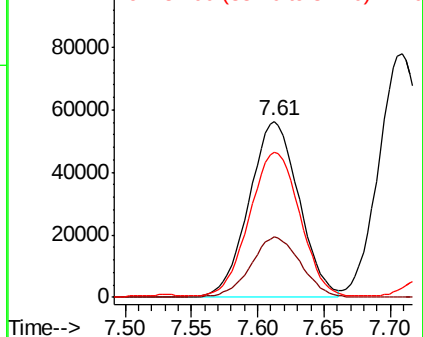
#31
Cyclohexane
Concen: 43.479 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 147929
Ion Ratio Lower Upper
56 100
69 34.0 26.6 40.0
84 81.6 66.4 99.6

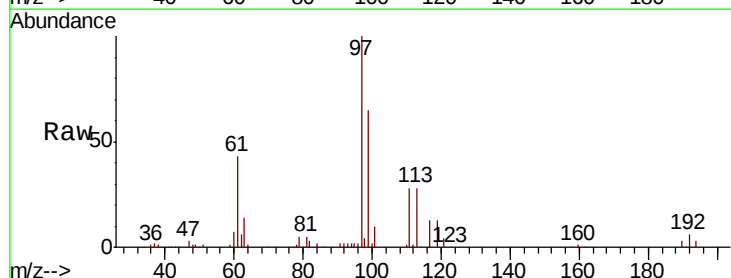


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

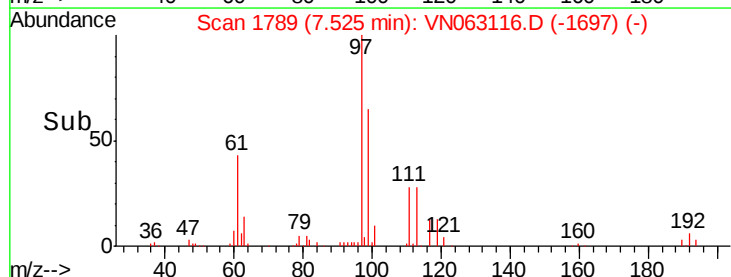
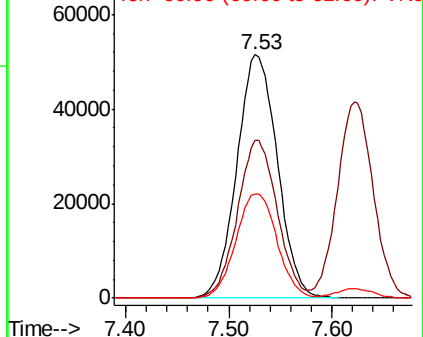


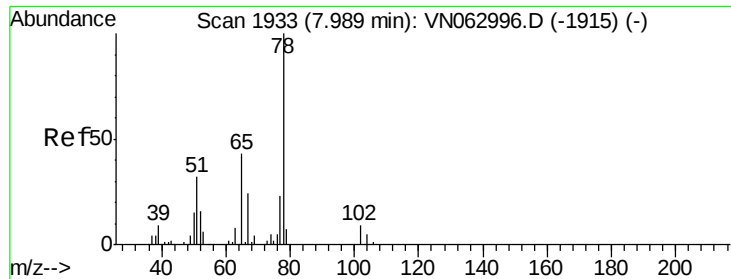
#32
1,1,1-Trichloroethane
Concen: 46.286 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 97 Resp: 140679
Ion Ratio Lower Upper
97 100
99 63.7 52.0 78.0
61 43.6 36.2 54.4



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

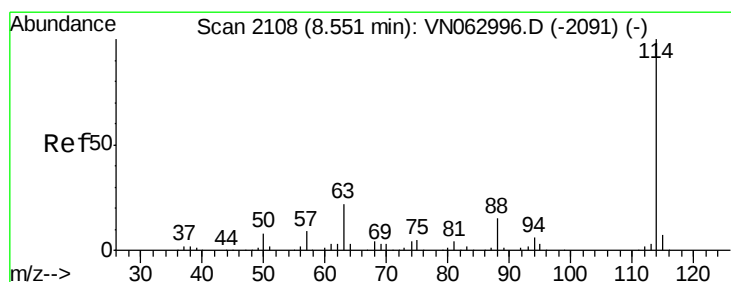
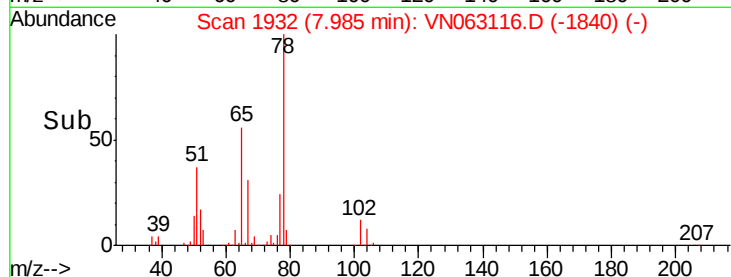
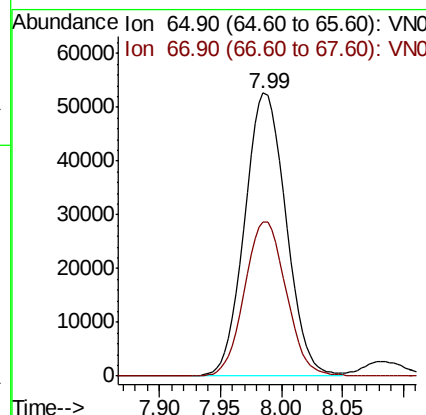
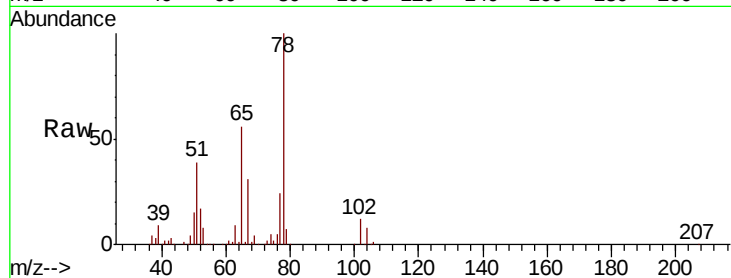




#33
 1,2-Dichloroethane-d4
 Concen: 53.635 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

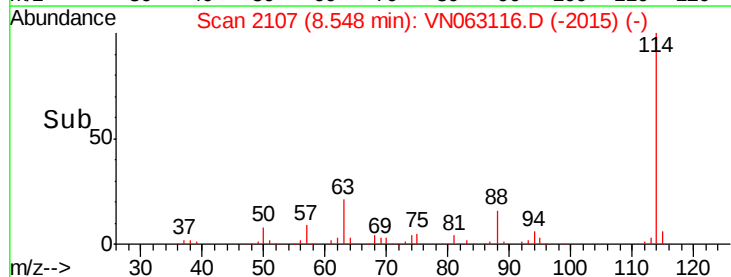
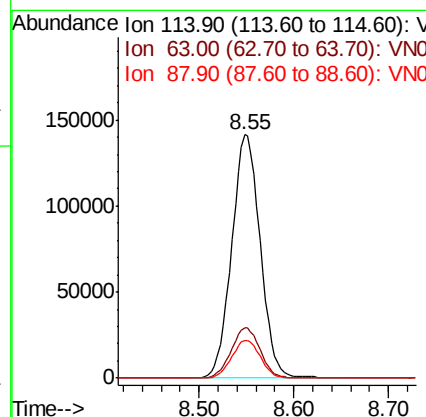
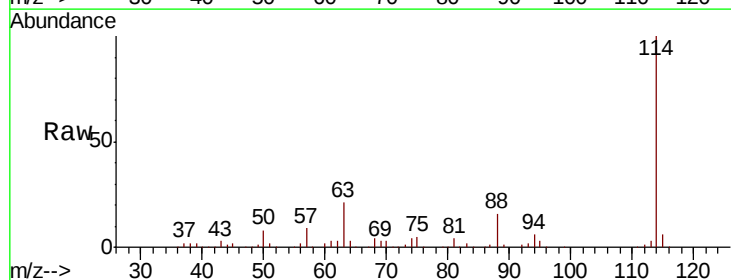
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

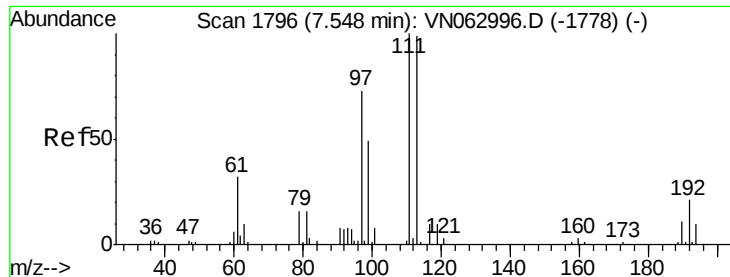
Tot Ion: 65 Resp: 123812
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 114 Resp: 295598
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 15.6 0.0 30.6

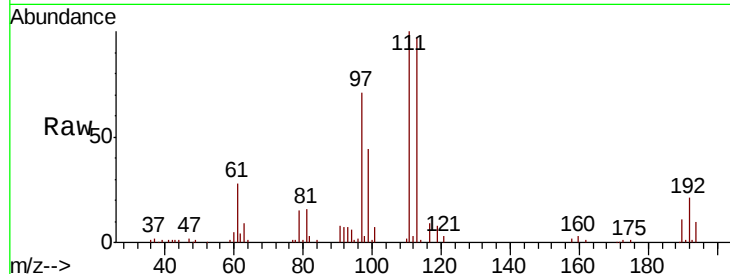




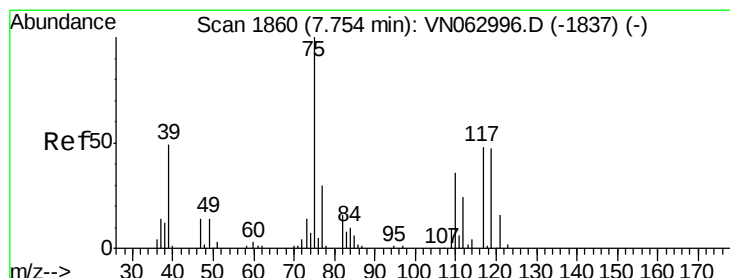
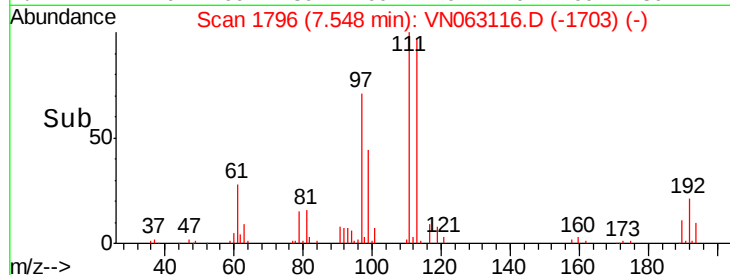
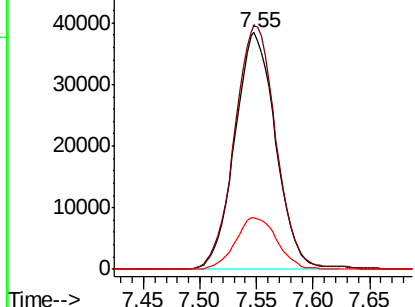
#35
 Dibromofluoromethane
 Concen: 50.132 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 96560
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.7 122.5
 192 22.3 17.5 26.3

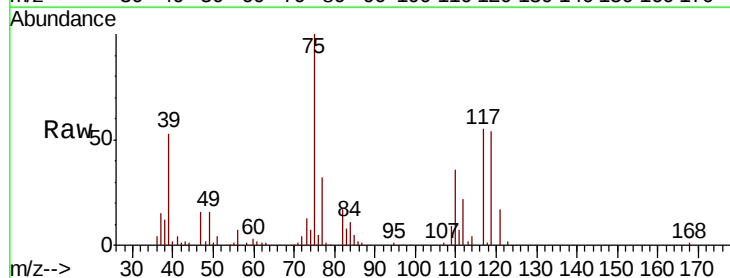


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

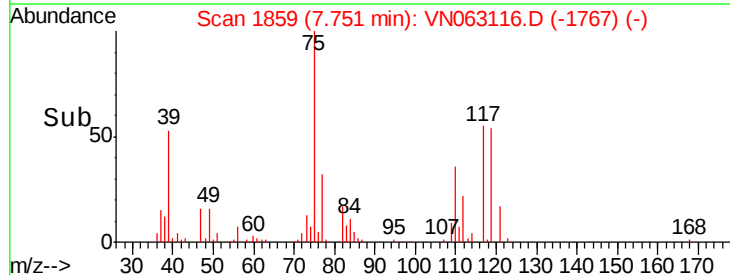
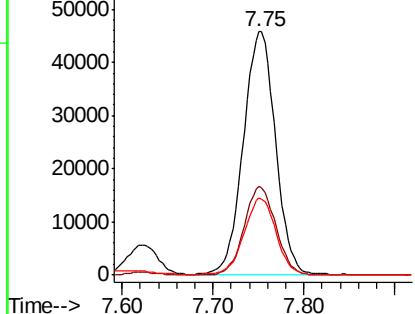


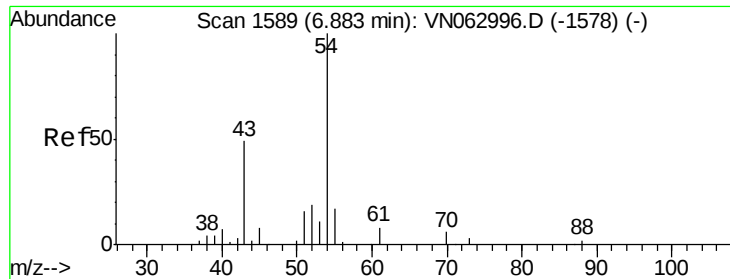
#36
 1,1-Dichloropropene
 Concen: 43.438 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 75 Resp: 113155
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.5 52.6
 77 31.6 24.2 36.4



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

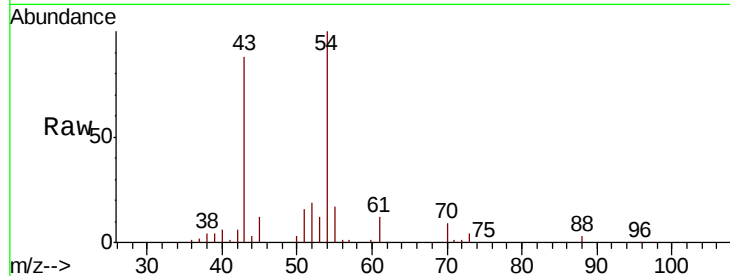




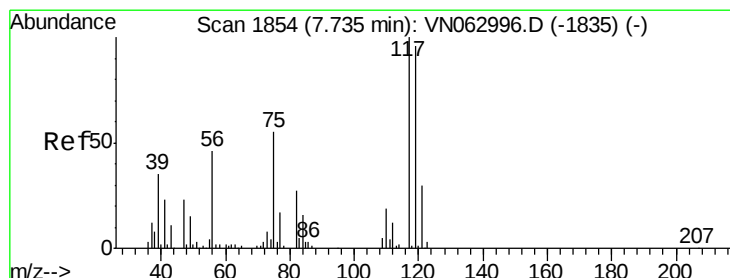
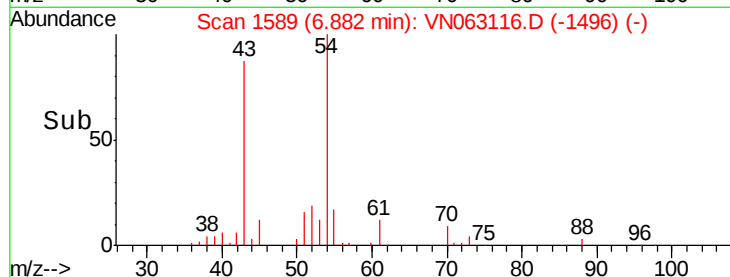
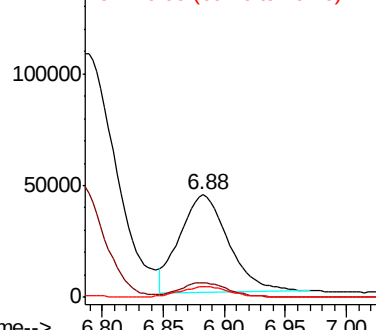
#37
Ethyl Acetate
Concen: 49.960 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 121946
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 11.8 8.2 12.2

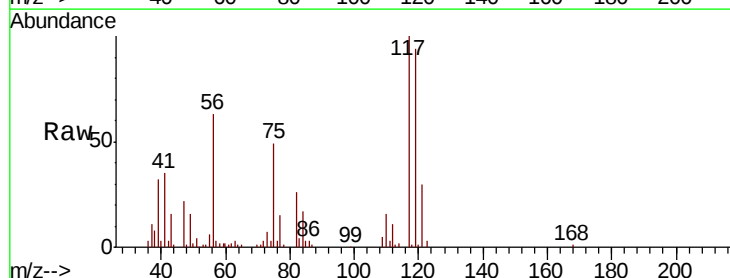


Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1578) (-)
Ion 60.90 (60.60 to 61.60): VN062996.D (-1578) (-)
Ion 70.00 (69.70 to 70.70): VN062996.D (-1578) (-)

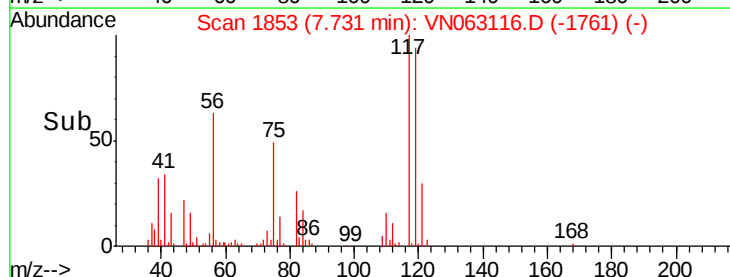
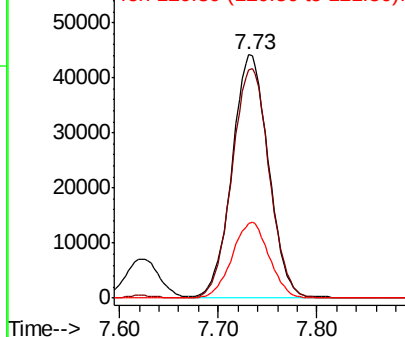


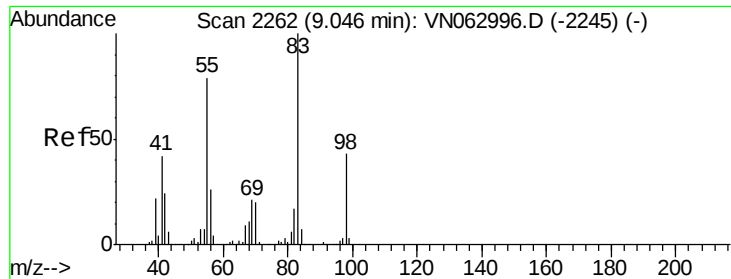
#38
Carbon Tetrachloride
Concen: 43.263 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 117 Resp: 113779
Ion Ratio Lower Upper
117 100
119 93.9 76.2 114.4
121 30.5 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)
Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)
Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)

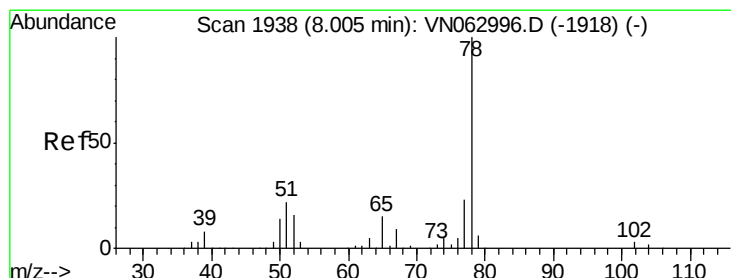
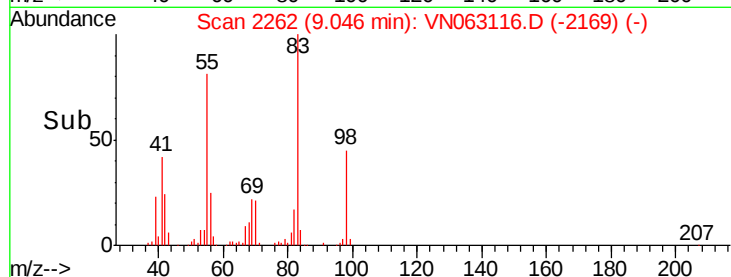
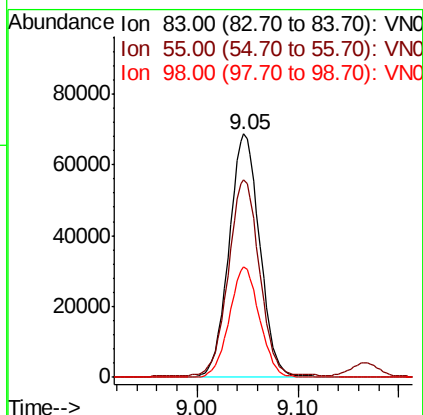
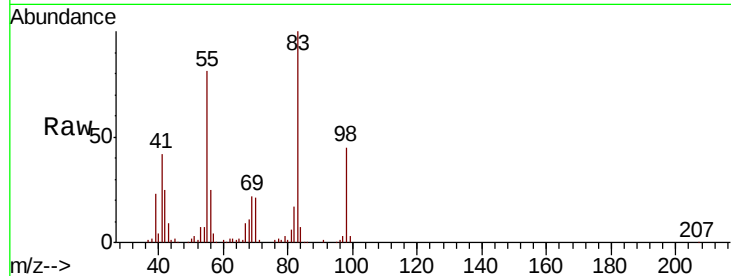




#39
Methvlcvclohexane
Concen: 41.624 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

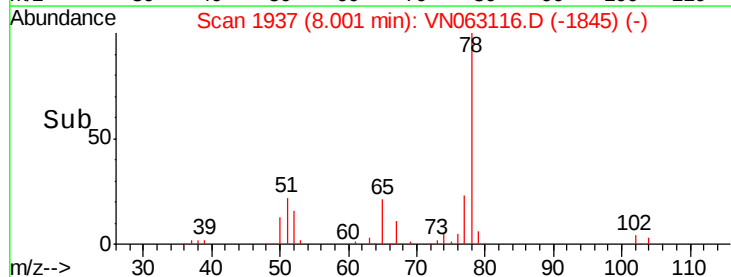
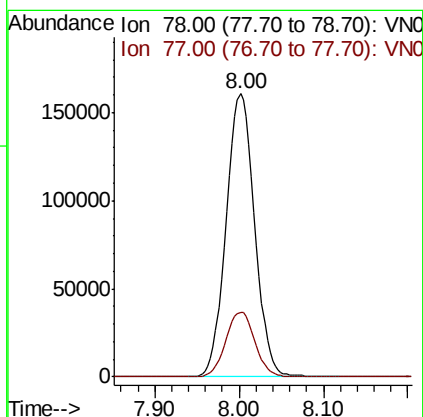
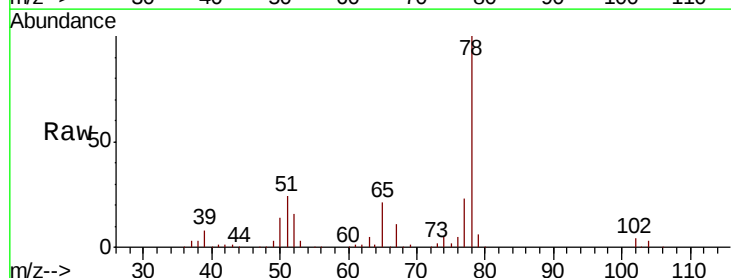
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

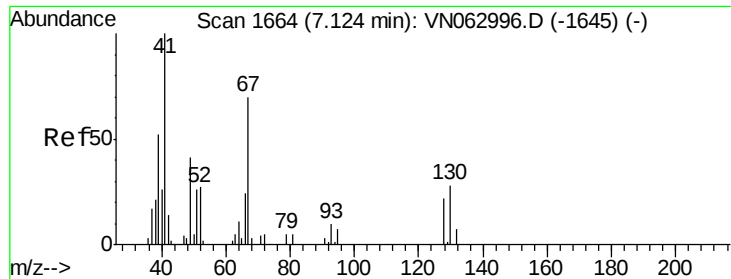
Tot Ion: 83 Resp: 145439
Ion Ratio Lower Upper
83 100
55 80.4 63.3 94.9
98 45.3 34.2 51.4



#40
Benzene
Concen: 45.818 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 78 Resp: 378549
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

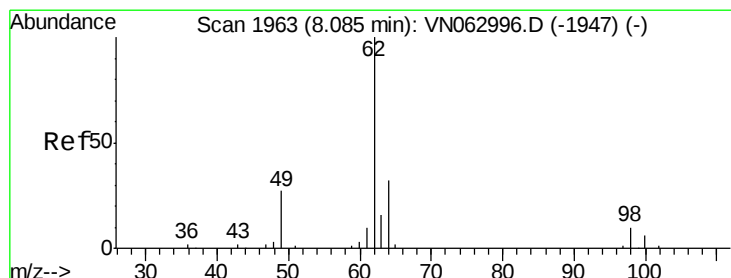
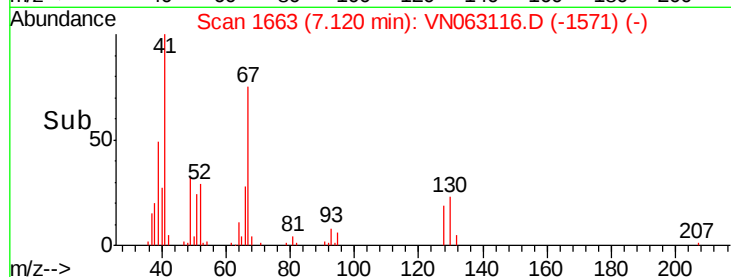
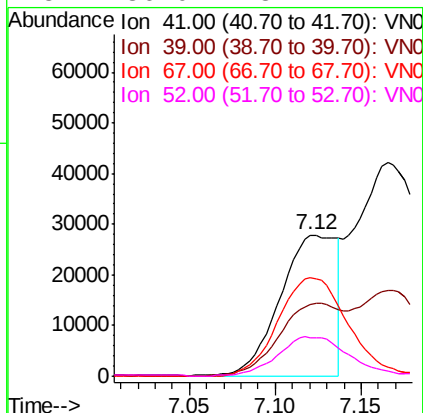
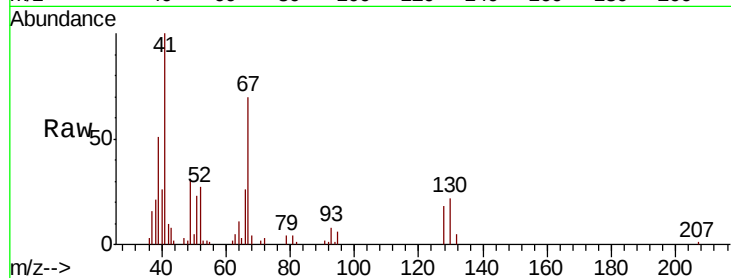




#41
Methacrylonitrile
Concen: 54.894 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

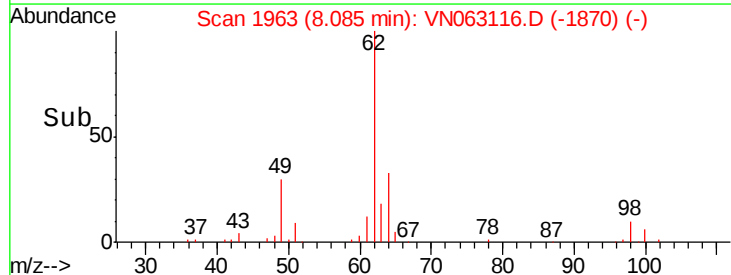
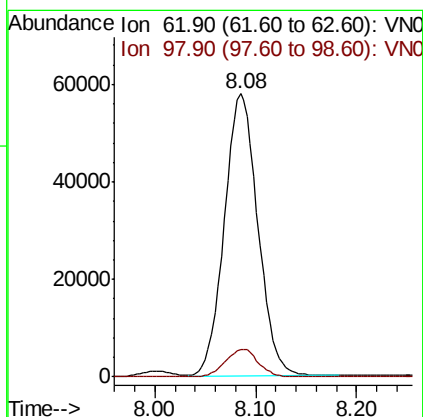
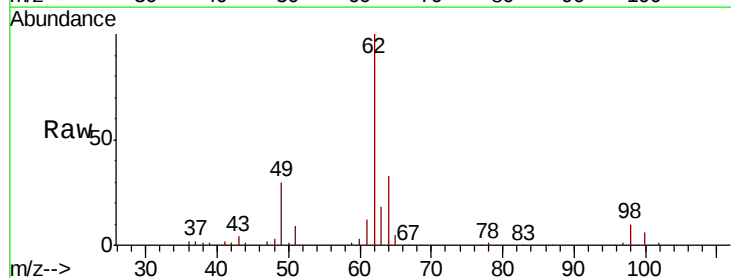
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

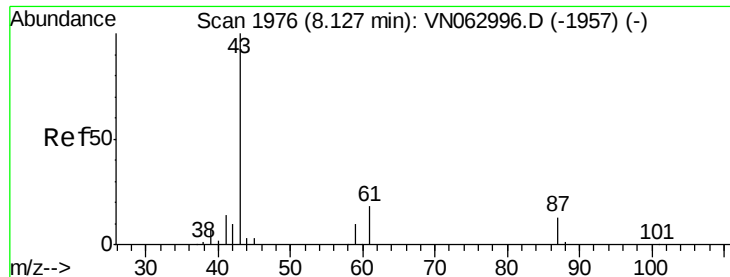
Tot Ion:	41	Resp:	63840
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.6	62.4
67	86.8	71.8	107.8
52	36.0	28.2	42.4



#42
1,2-Dichloroethane
Concen: 48.308 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion:	62	Resp:	134016
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 52.813 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

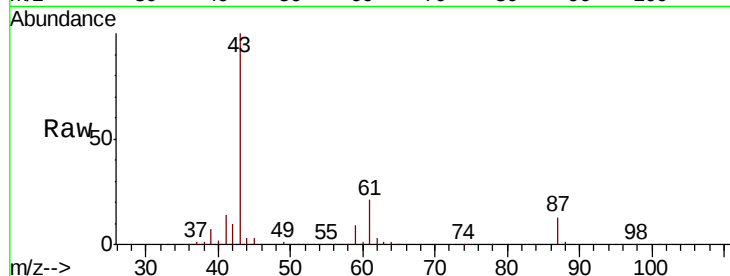
Tot Ion: 43 Resp: 213566

Ion Ratio Lower Upper

43 100

61 28.5 22.6 33.8

87 12.9 10.5 15.7

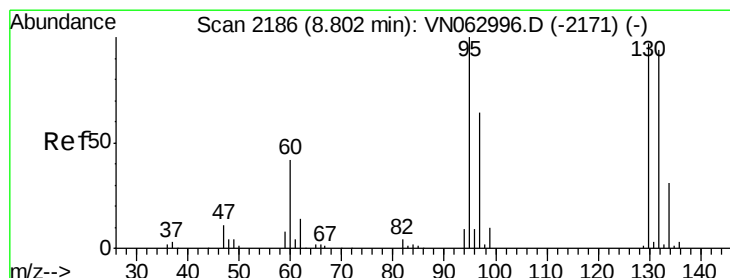
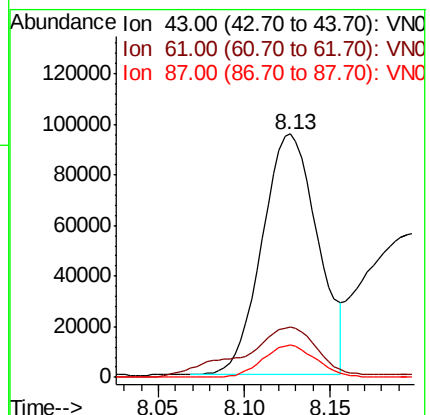
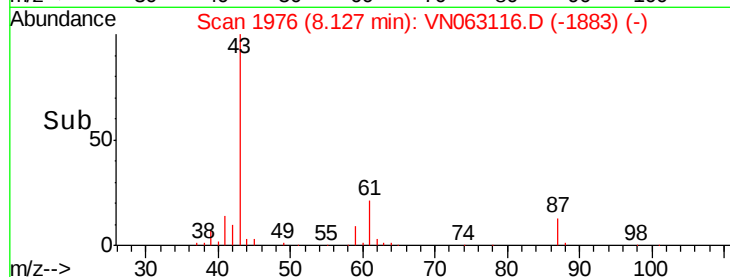


Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062996.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062996.D (-1957) (-)

Time-->



#44

Trichloroethene

Concen: 46.705 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063116.D

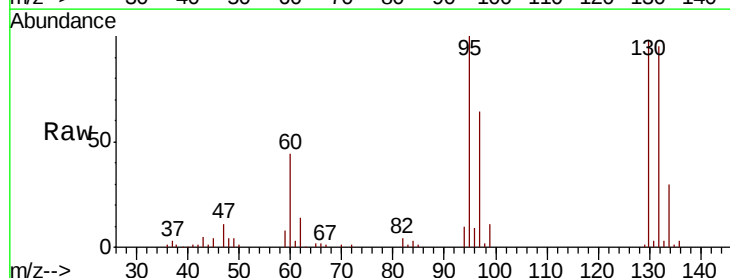
Acq: 25 Aug 2020 16:38

Tgt Ion:130 Resp: 95985

Ion Ratio Lower Upper

130 100

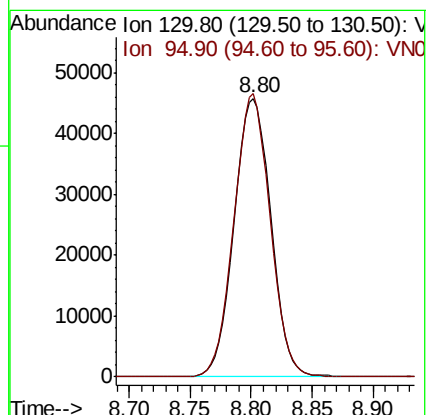
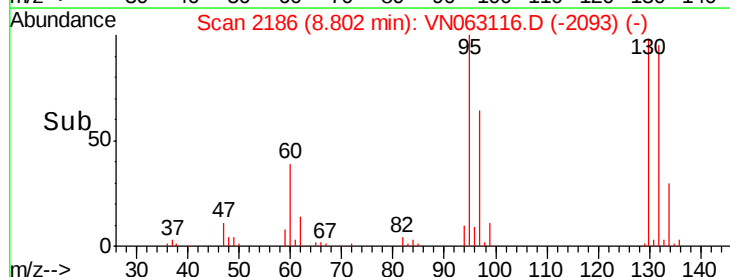
95 101.6 0.0 205.6

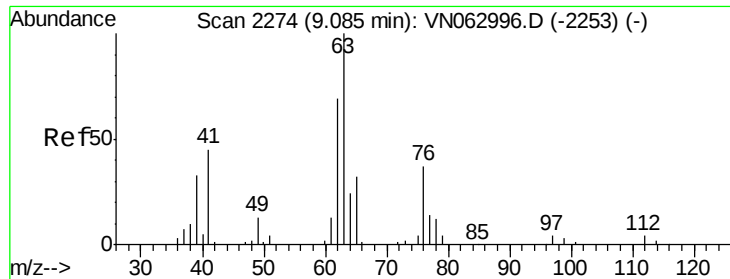


Abundance Ion 129.80 (129.50 to 130.50): VN062996.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN062996.D (-2171) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 47.717 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

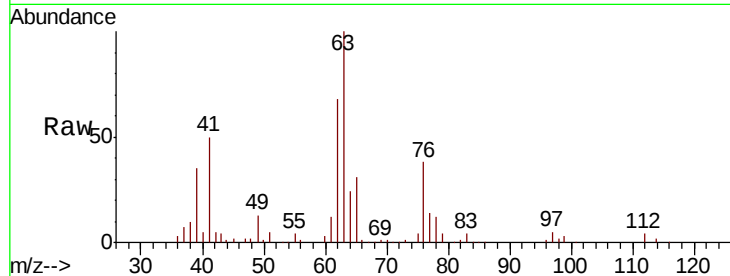
VSTDCCC050EC

Tot Ion: 63 Resp: 113959

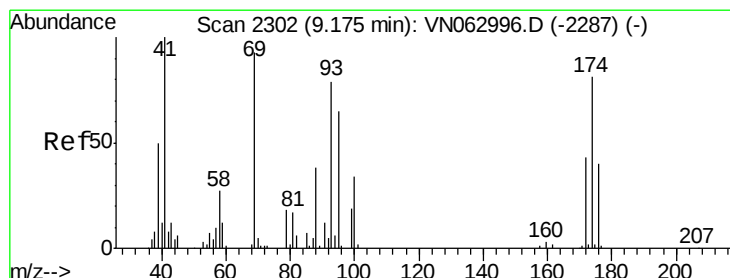
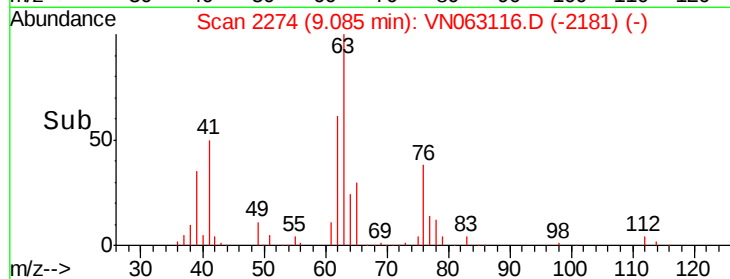
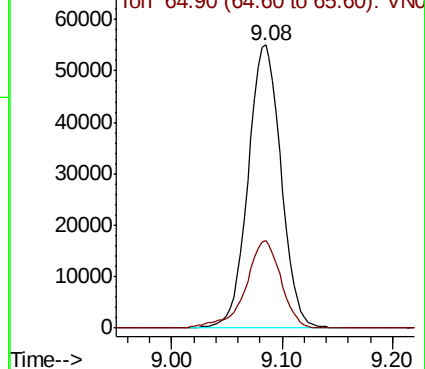
Ion Ratio Lower Upper

63 100

65 30.9 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VN063116.D (-2181) (-)



#46

Dibromomethane

Concen: 49.605 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

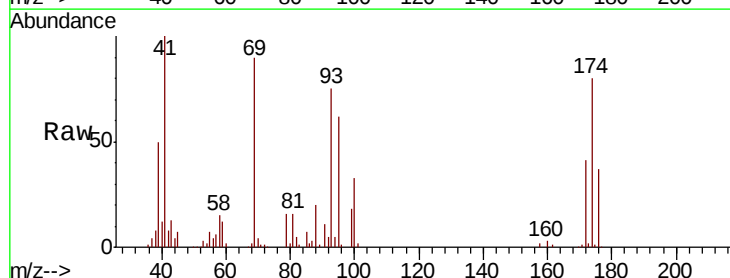
Tgt Ion: 93 Resp: 68438

Ion Ratio Lower Upper

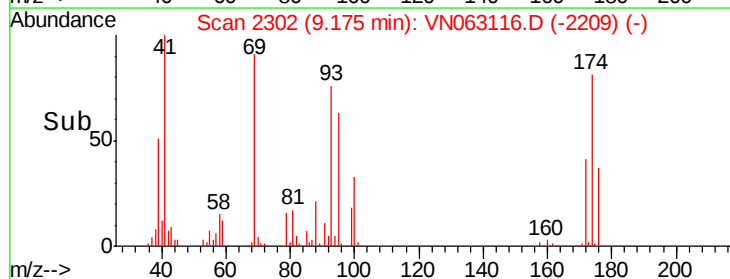
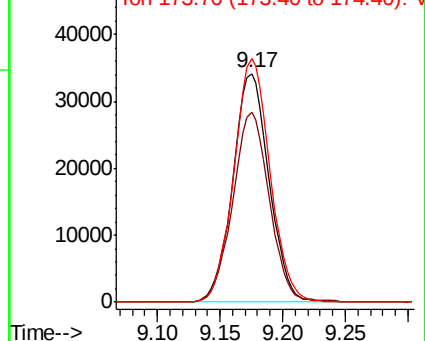
93 100

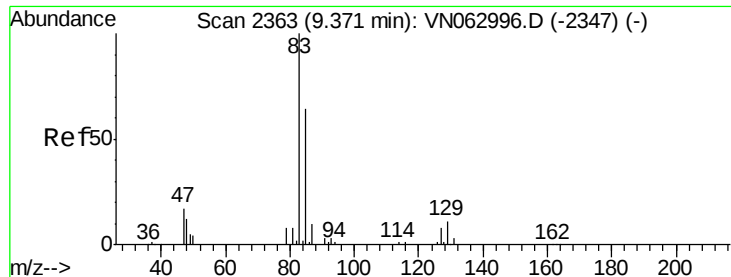
95 83.5 66.2 99.4

174 106.1 84.6 127.0



Abundance Ion 92.80 (92.50 to 93.50): VN063116.D (-2209) (-)





#47

Bromodichloromethane

Concen: 47.892 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

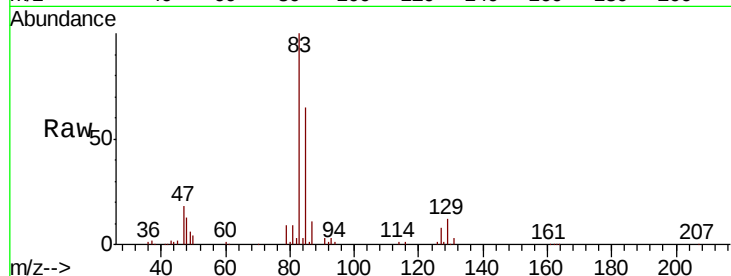
Tot Ion: 83 Resp: 144718

Ion Ratio Lower Upper

83 100

85 65.0 51.1 76.7

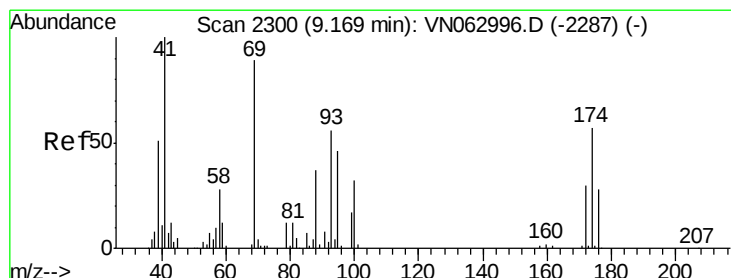
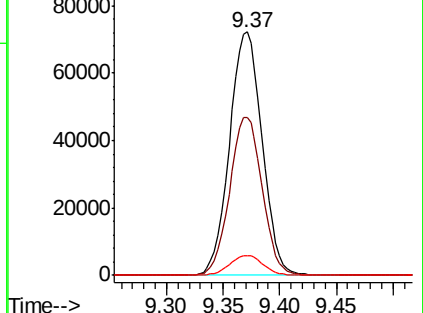
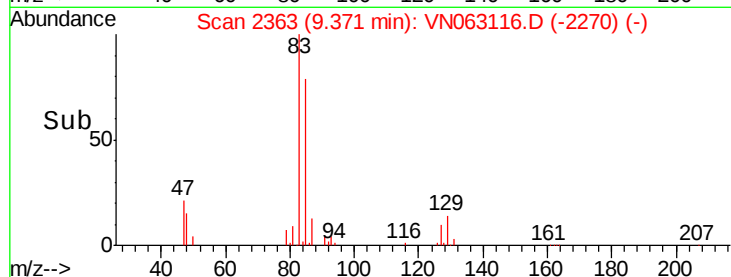
127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN063116.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN063116.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN063116.D (-2270) (-)



#48

Methyl methacrylate

Concen: 56.129 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

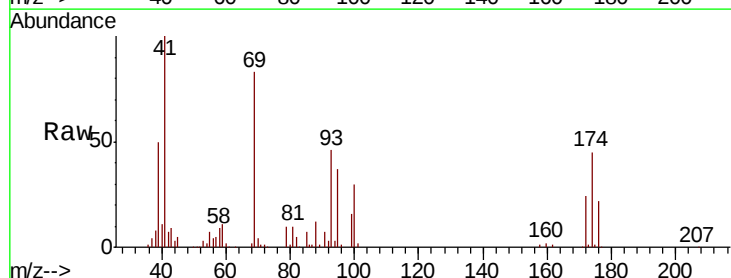
Tgt Ion: 41 Resp: 107392

Ion Ratio Lower Upper

41 100

69 88.6 74.2 111.4

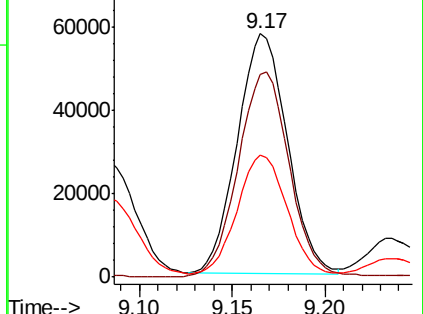
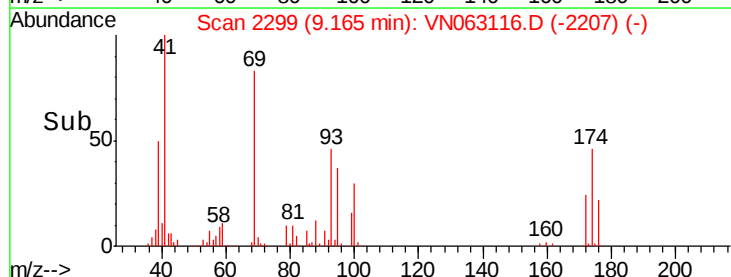
39 51.8 42.5 63.7

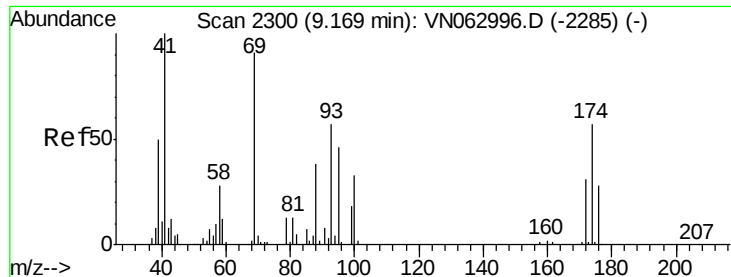


Abundance Ion 41.00 (40.70 to 41.70): VN063116.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN063116.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN063116.D (-2207) (-)

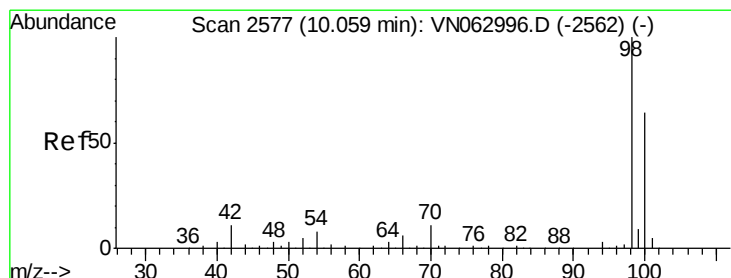
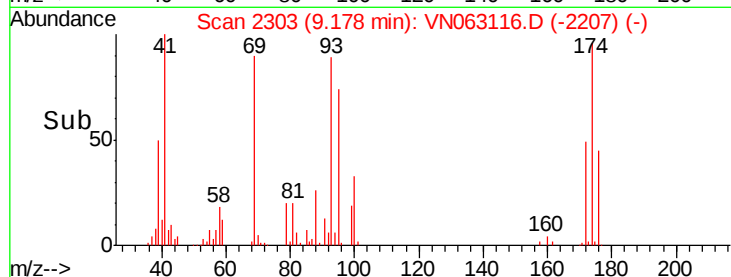
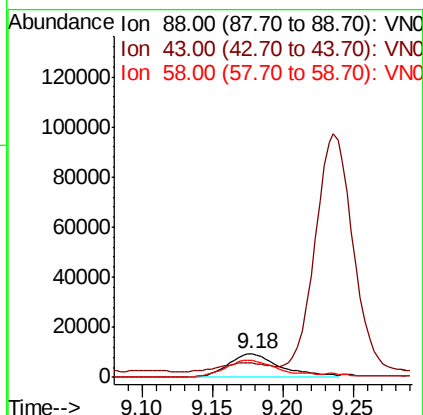
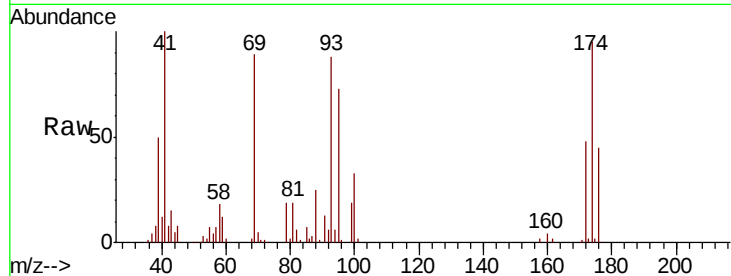




#49
1,4-Dioxane
Concen: 586.985 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

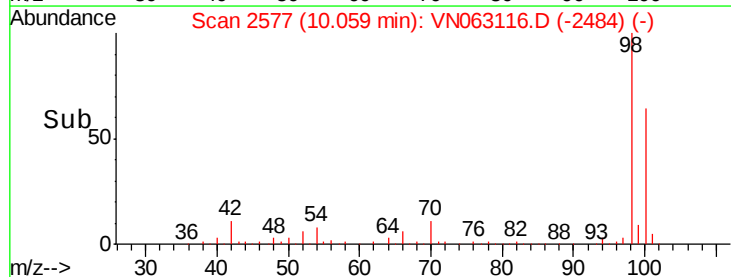
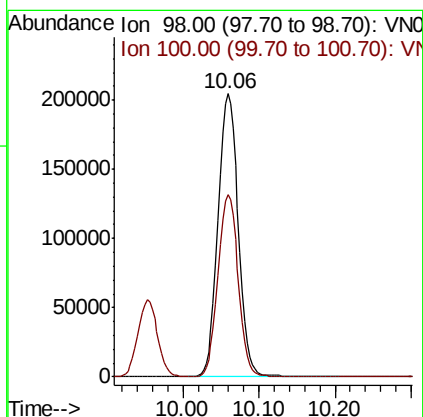
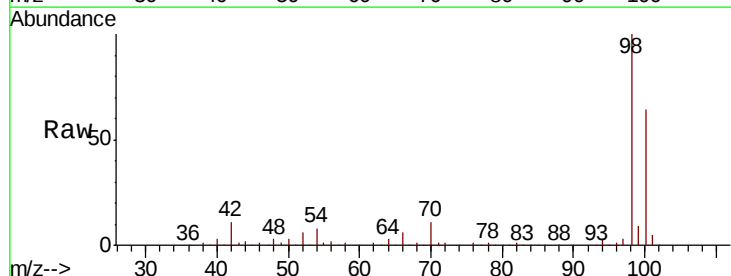
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

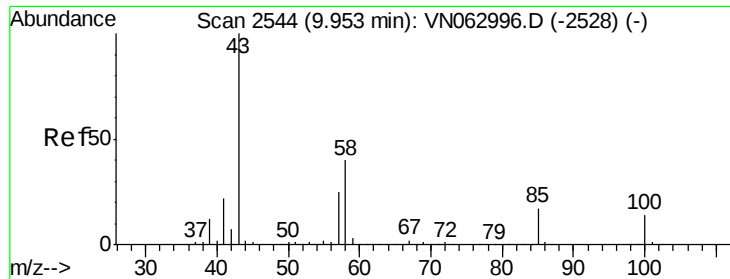
Tot Ion: 88 Resp: 24444
Ion Ratio Lower Upper
88 100
43 30.0 25.2 37.8
58 76.2 56.7 85.1



#50
Toluene-d8
Concen: 51.196 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 98 Resp: 378760
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 273.760 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

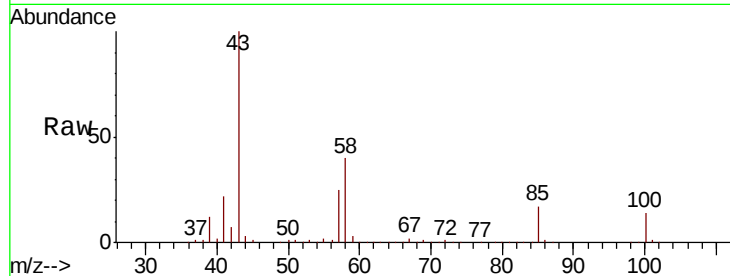
VSTDCCC050EC

Tot Ion: 43 Resp: 699738

Ion Ratio Lower Upper

43 100

58 40.2 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN063116.D (-2541) (-)

Ion 58.00 (57.70 to 58.70): VN063116.D (-2541) (-)

9.95

400000

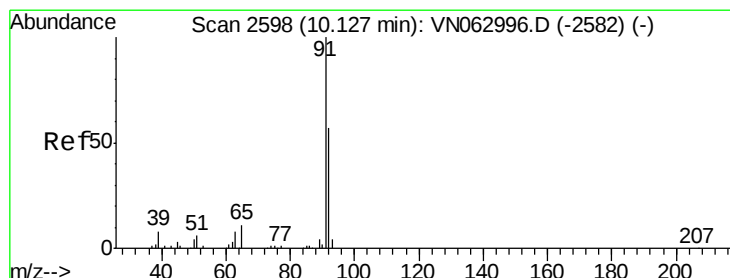
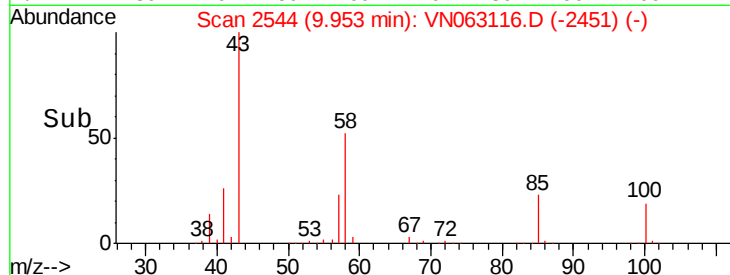
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.475 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063116.D

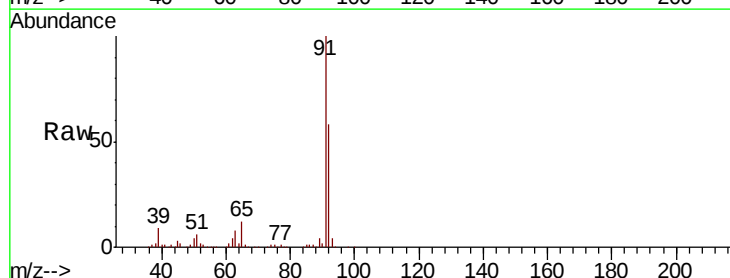
Acq: 25 Aug 2020 16:38

Tgt Ion: 92 Resp: 236615

Ion Ratio Lower Upper

92 100

91 174.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN063116.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN063116.D (-2505) (-)

10.12

250000

200000

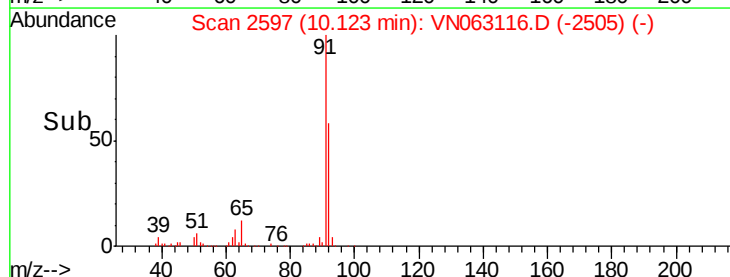
150000

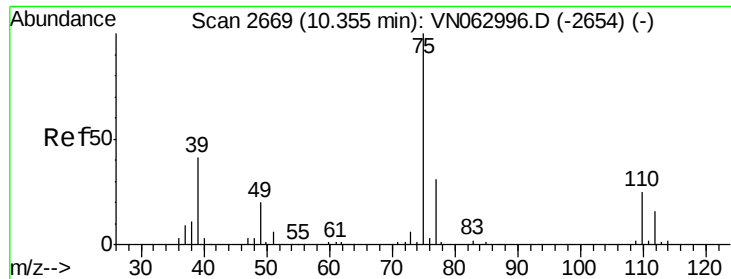
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.588 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

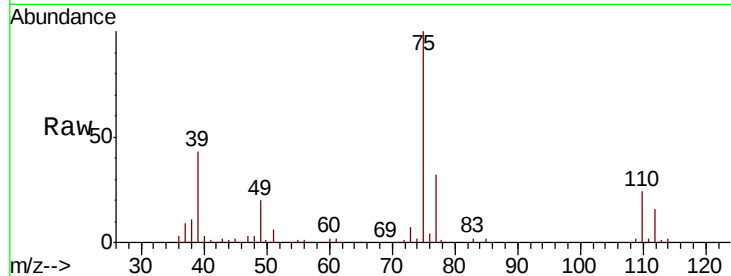
VSTDCCC050EC

Tot Ion: 75 Resp: 158081

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

80000

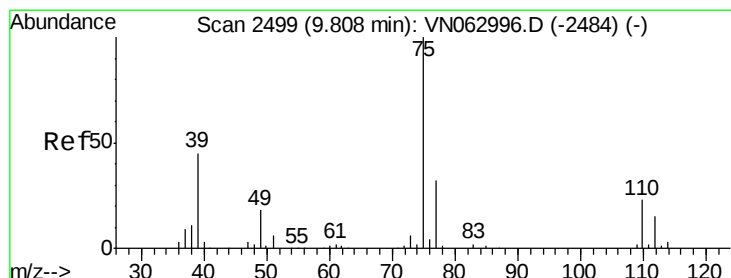
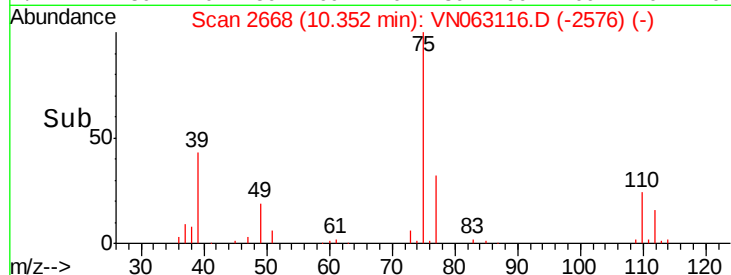
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.868 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

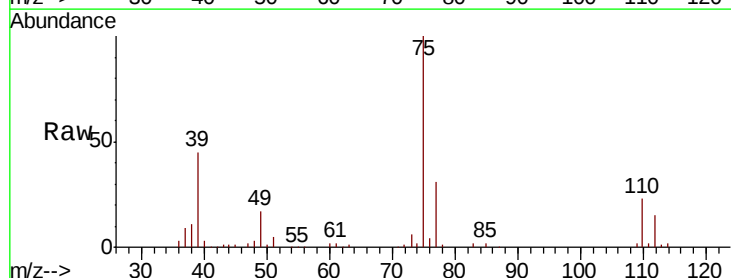
Tgt Ion: 75 Resp: 170946

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2

39 44.5 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

120000

100000

80000

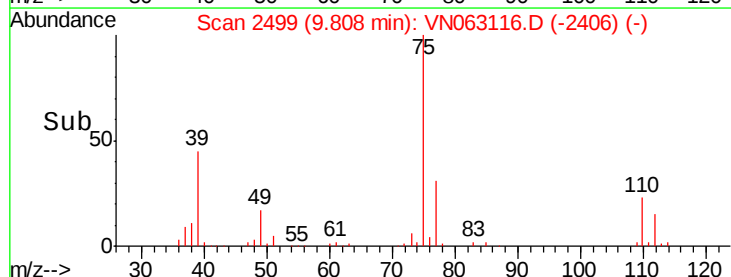
60000

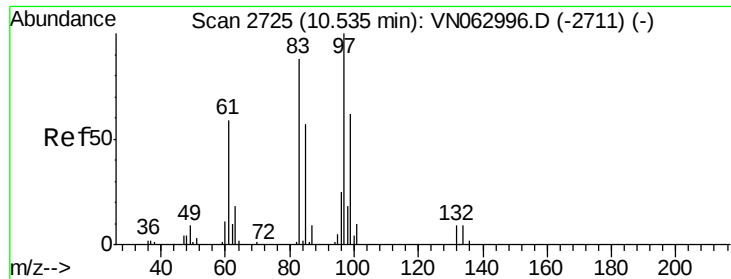
40000

20000

0

Time-->

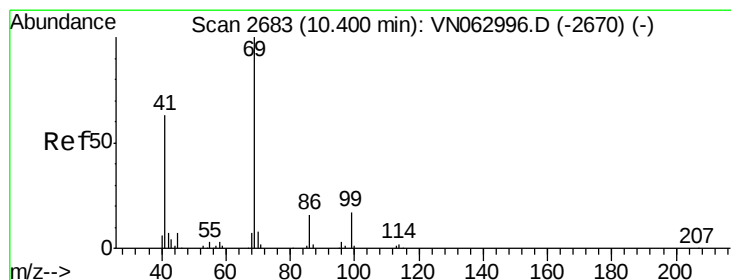
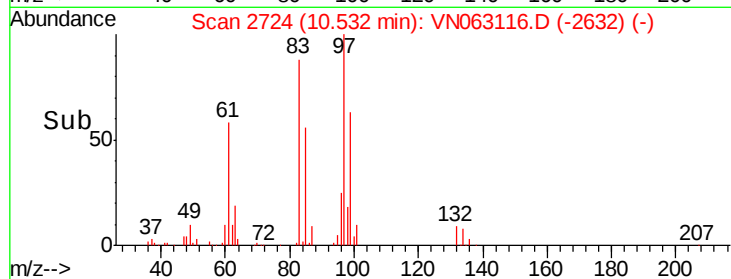
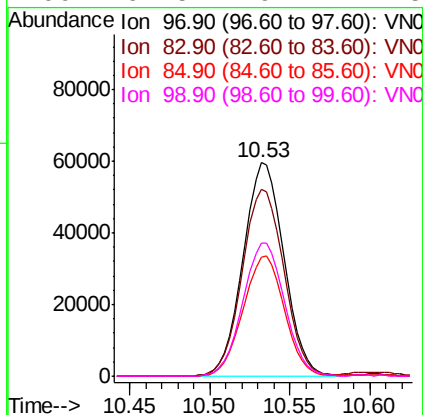
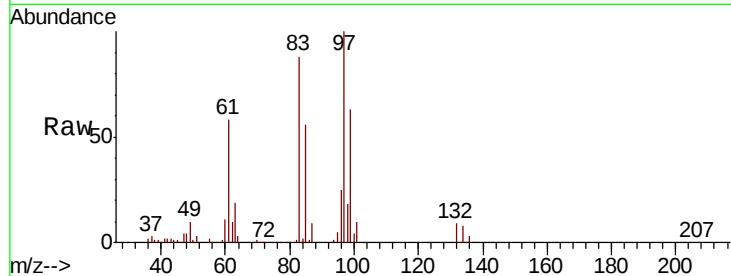




#55
 1,1,2-Trichloroethane
 Concen: 48.931 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

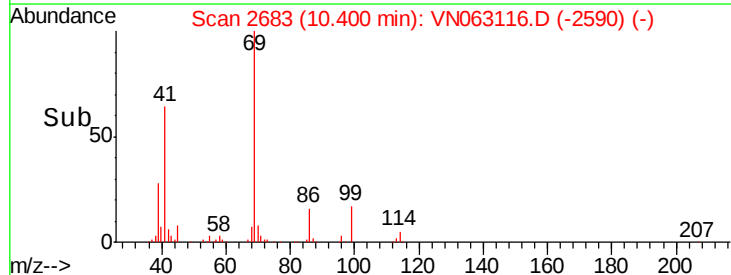
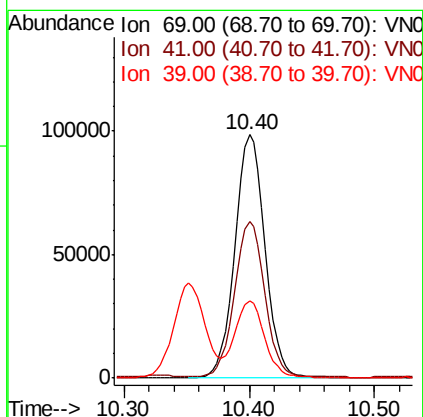
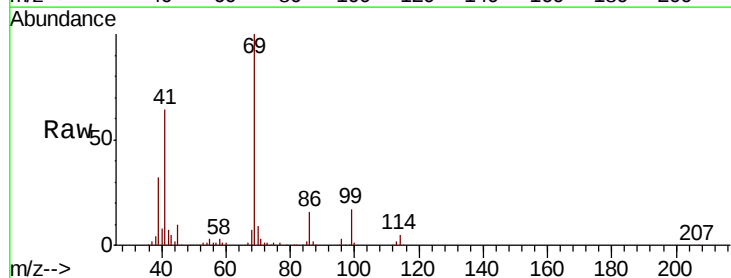
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

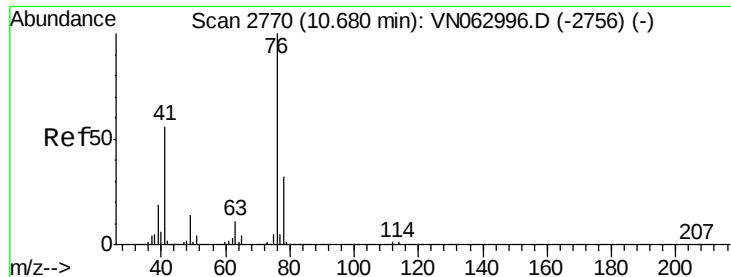
Tot Ion:	97	Resp:	104276
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	56.0	45.8	68.6
99	62.5	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 49.421 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion:	69	Resp:	162597
Ion	Ratio	Lower	Upper
69	100		
41	65.3	50.2	75.2
39	31.7	24.2	36.4

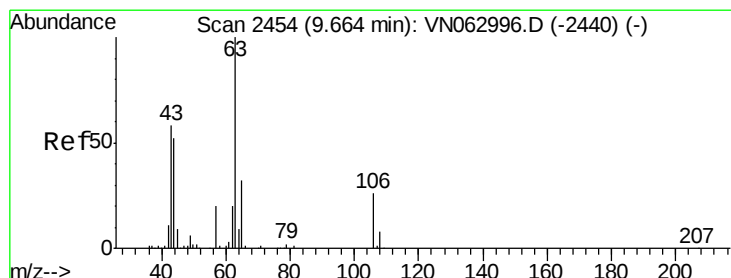
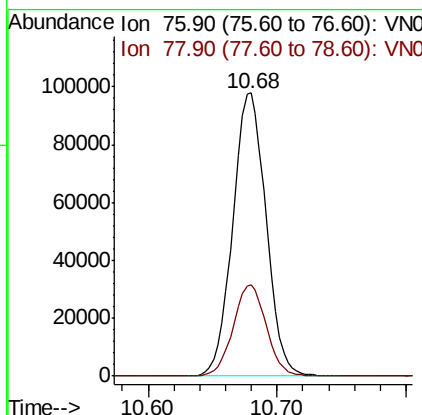
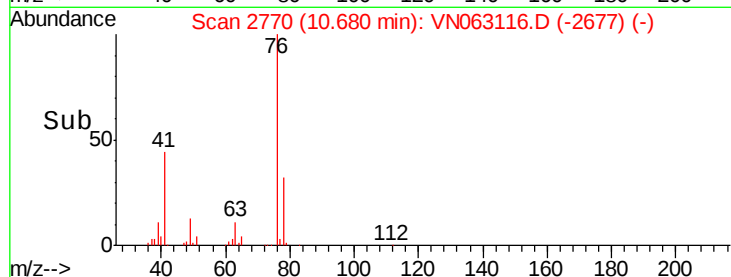
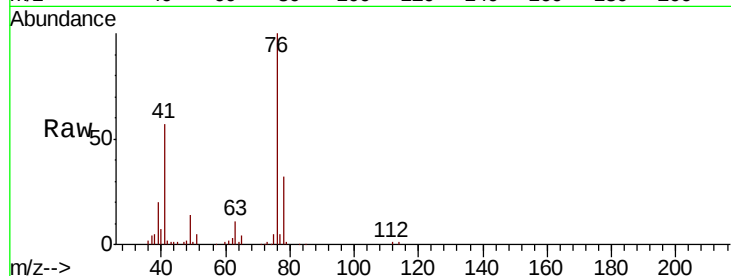




#57
 1,3-Dichloropropane
 Concen: 49.515 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

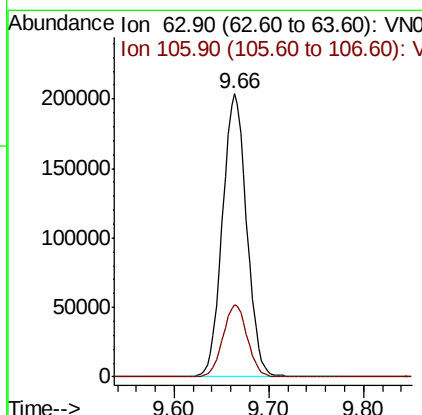
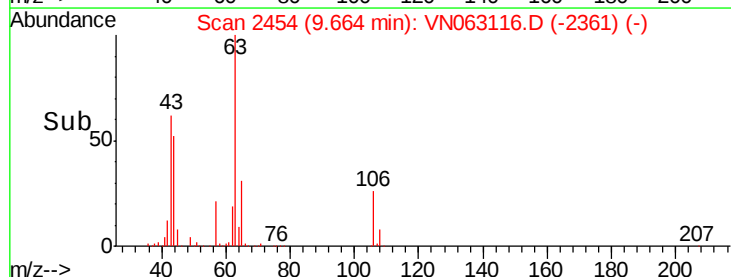
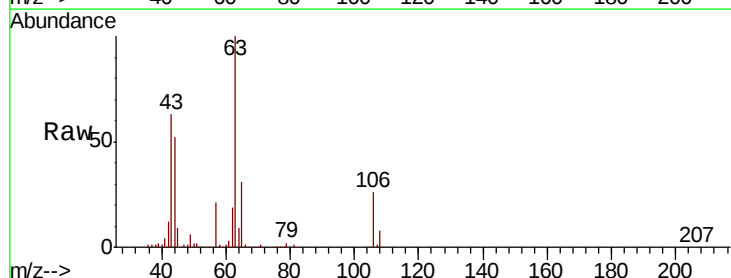
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

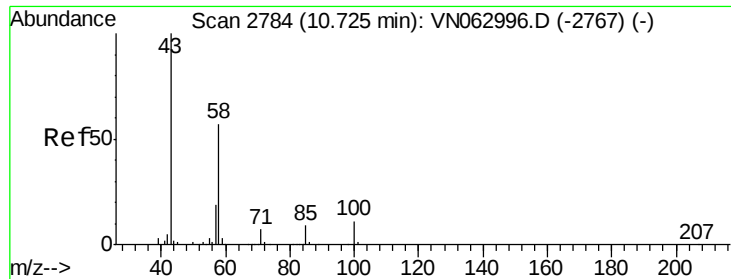
Tot Ion: 76 Resp: 175223
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 443.448 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 63 Resp: 362786
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.7 31.1

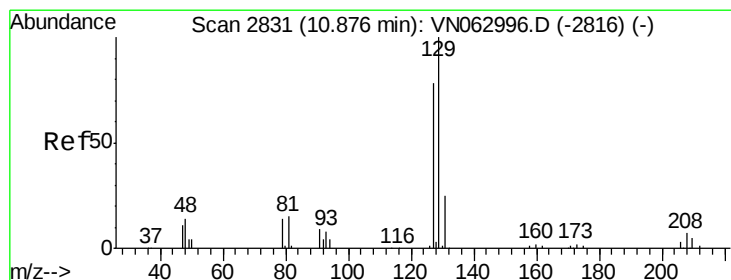
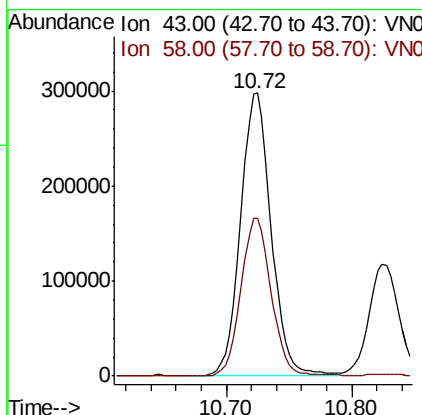
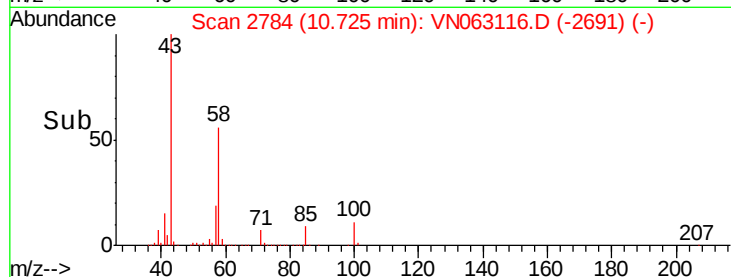
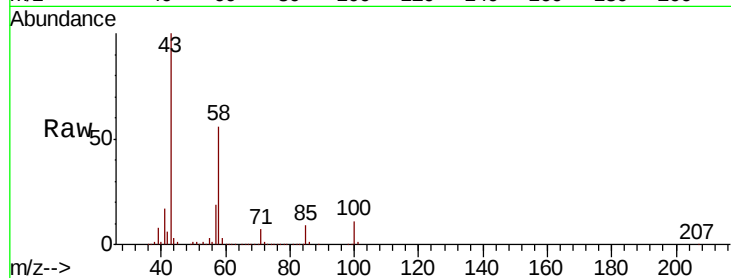




#59
2-Hexanone
Concen: 281.151 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

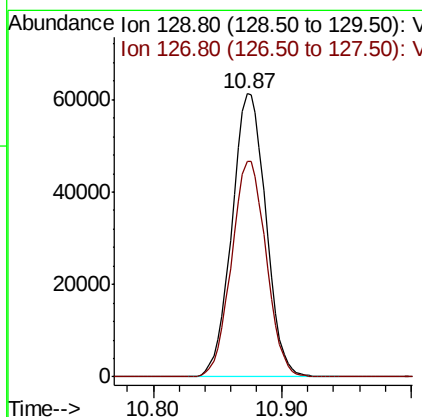
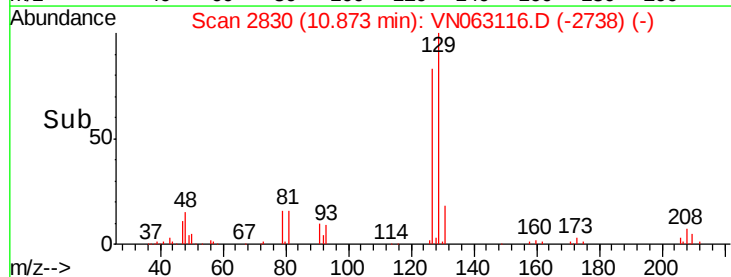
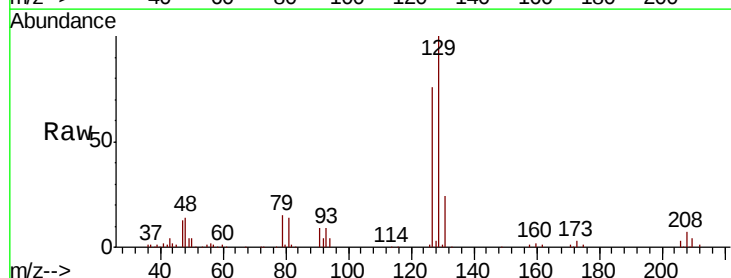
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

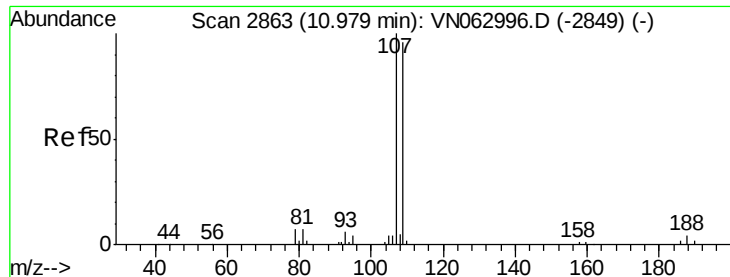
Tot Ion: 43 Resp: 501263
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.3



#60
Dibromochloromethane
Concen: 47.622 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 129 Resp: 112312
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2

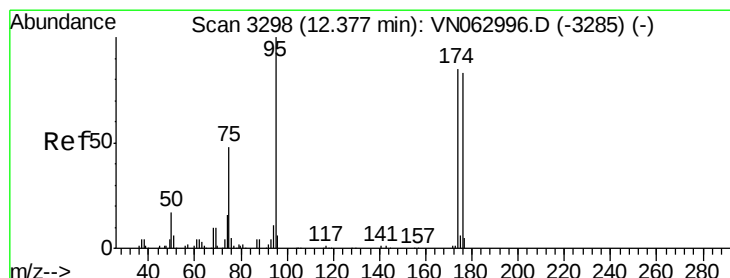
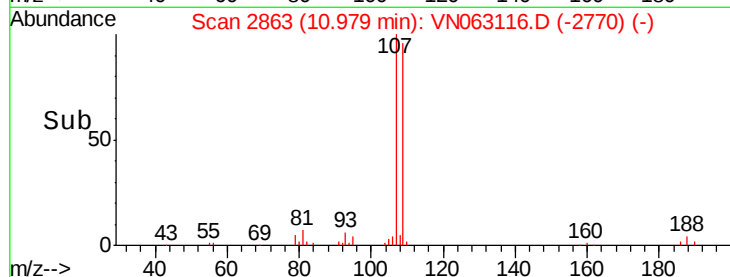
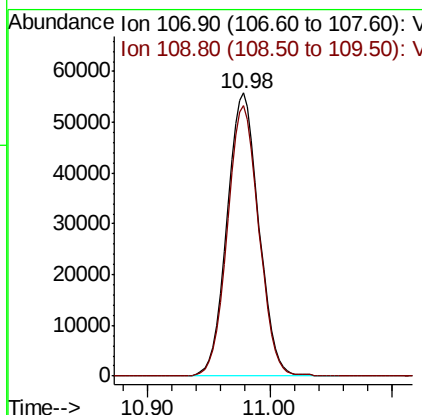
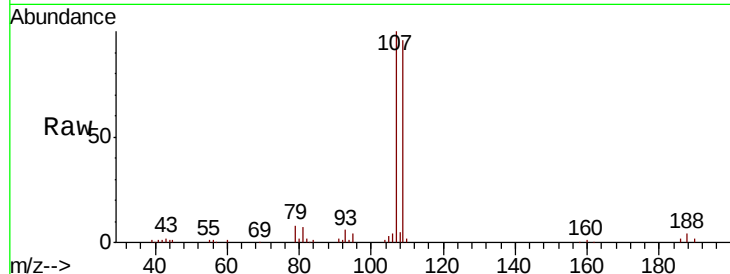




#61
 1,2-Dibromoethane
 Concen: 49.434 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

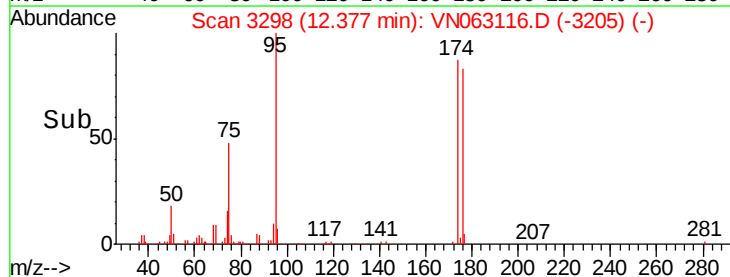
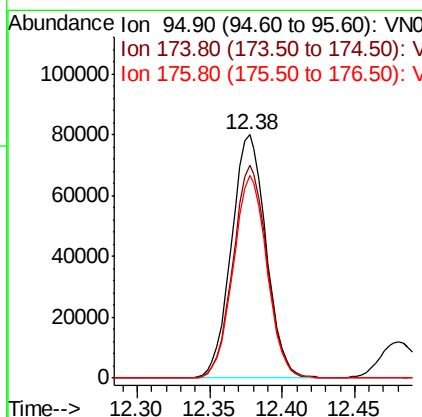
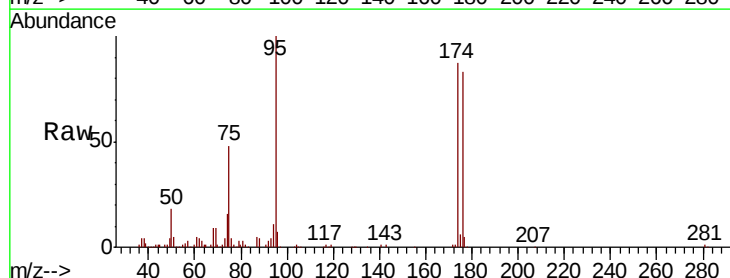
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

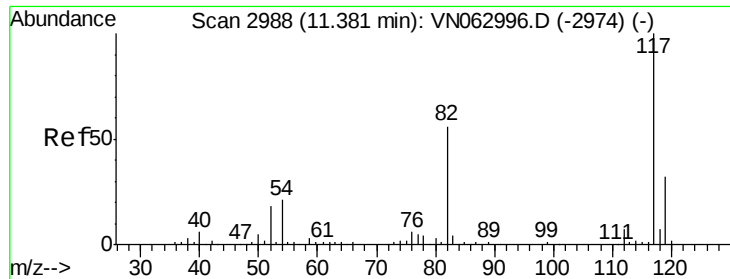
Tot Ion:107 Resp: 101225
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.895 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 95 Resp: 132873
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 170.8
 176 81.1 0.0 164.8

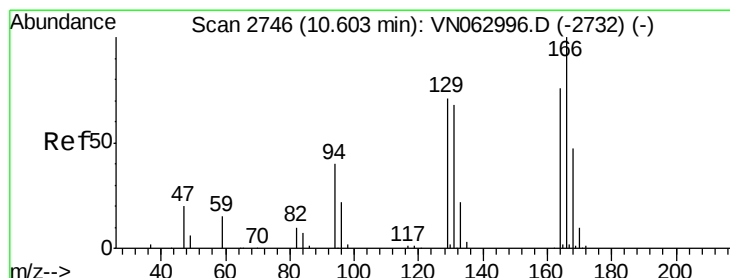
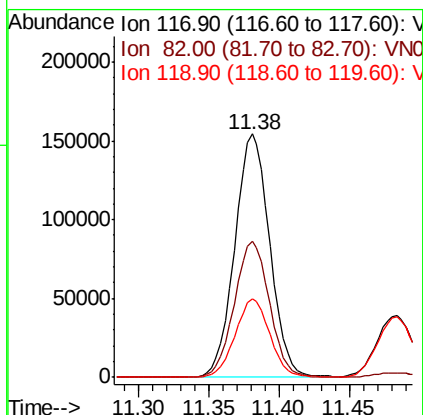
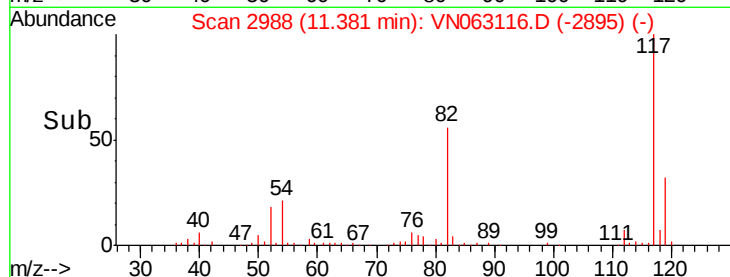
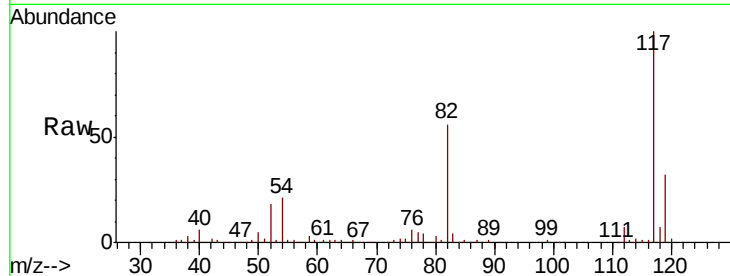




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

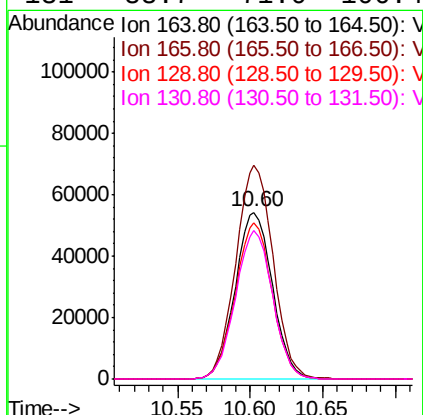
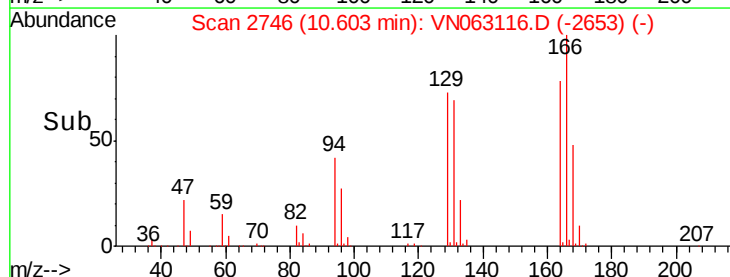
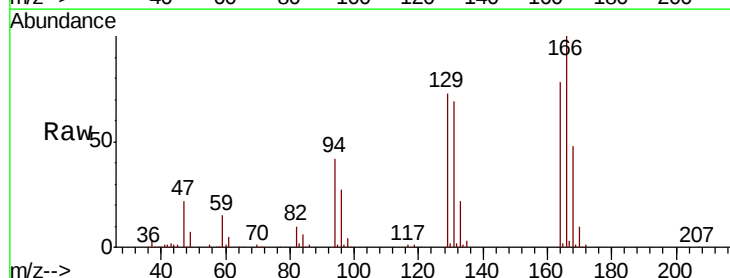
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

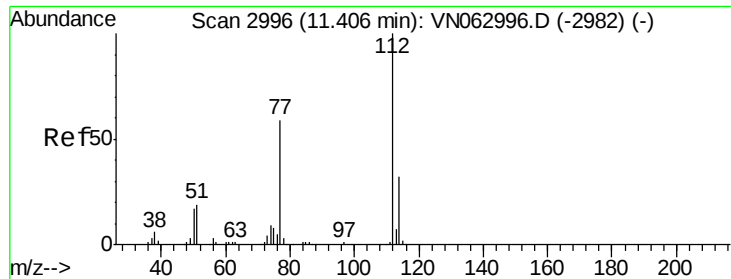
Tot Ion:117 Resp: 268179
Ion Ratio Lower Upper
117 100
82 55.9 44.5 66.7
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 55.080 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion:164 Resp: 97098
Ion Ratio Lower Upper
164 100
166 128.1 105.0 157.6
129 93.8 74.7 112.1
131 88.7 71.0 106.4





#65

Chlorobenzene

Concen: 47.578 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

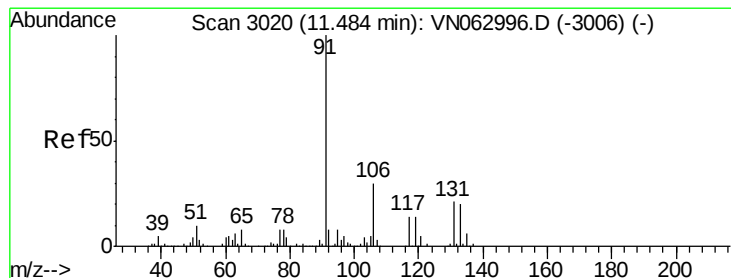
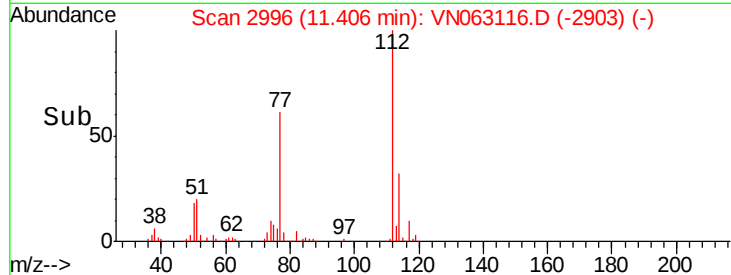
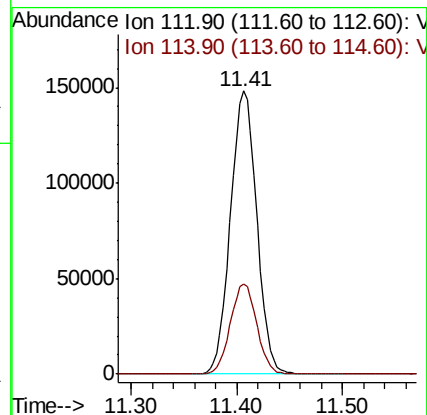
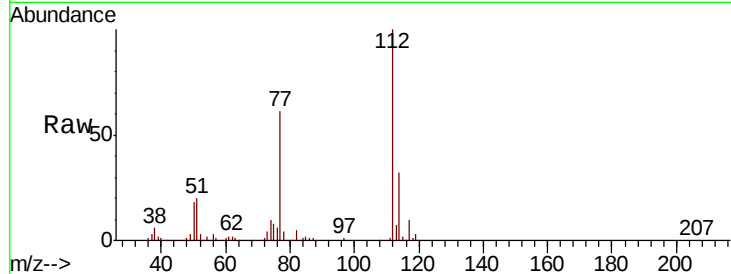
VSTDCCC050EC

Tot Ion:112 Resp: 256255

Ion Ratio Lower Upper

112 100

114 32.1 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 48.820 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

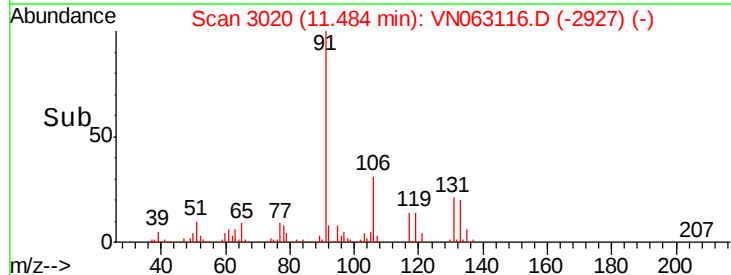
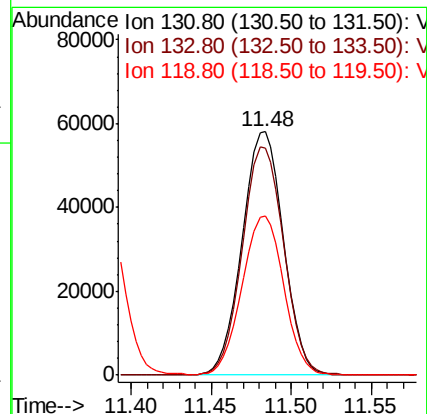
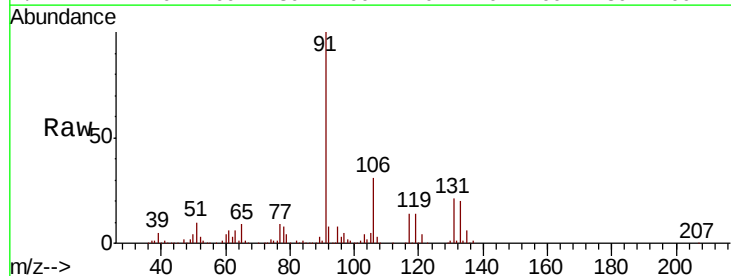
Tgt Ion:131 Resp: 102275

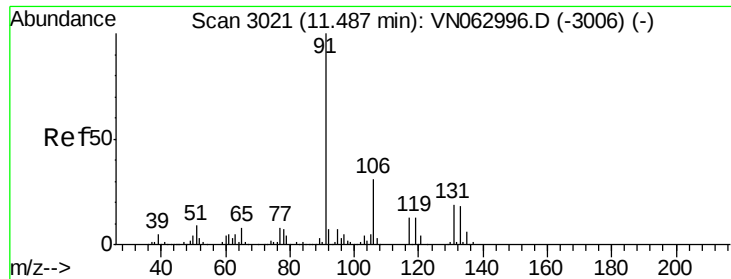
Ion Ratio Lower Upper

131 100

133 94.3 47.5 142.6

119 66.0 33.1 99.3

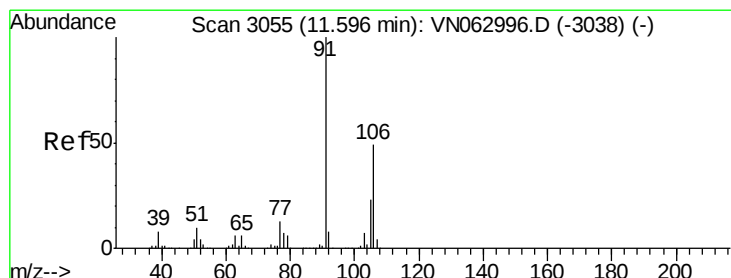
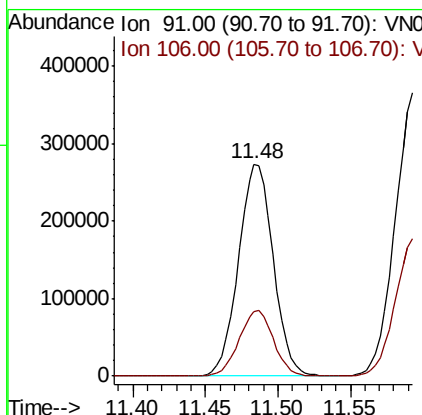
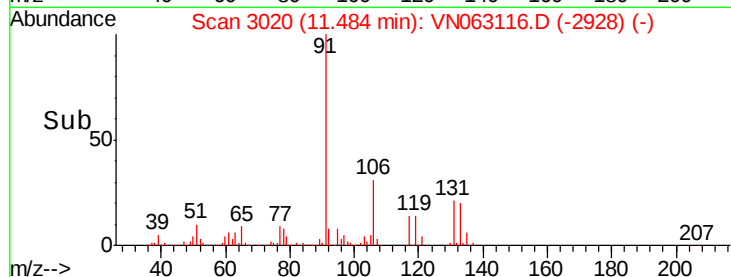
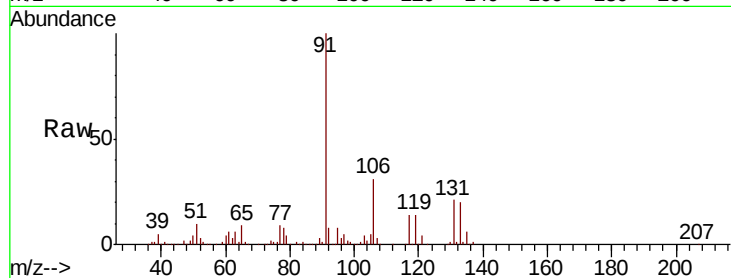




#67
Ethyl Benzene
Concen: 50.119 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

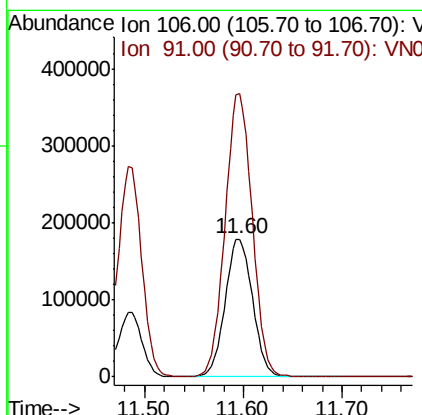
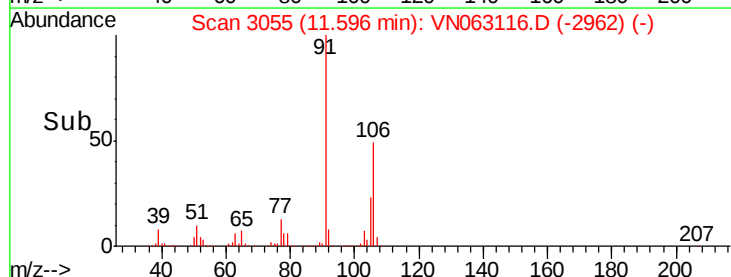
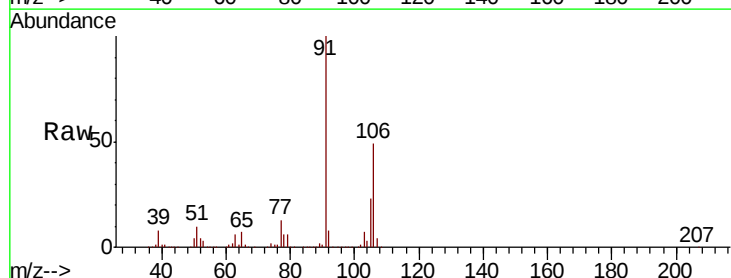
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

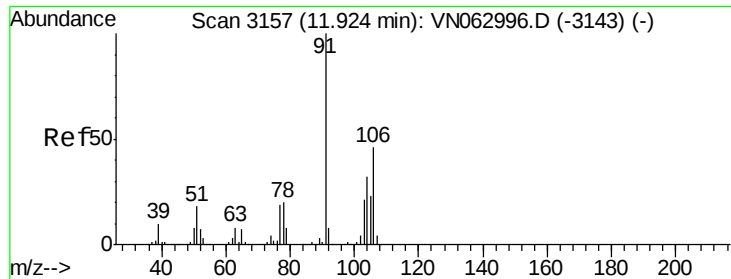
Tot Ion: 91 Resp: 456123
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0



#68
m/p-Xylenes
Concen: 102.416 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 106 Resp: 346421
Ion Ratio Lower Upper
106 100
91 204.4 163.0 244.4

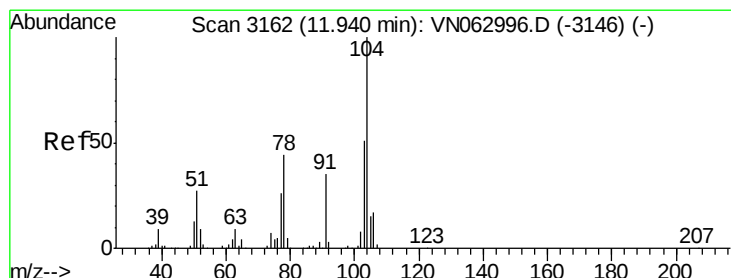
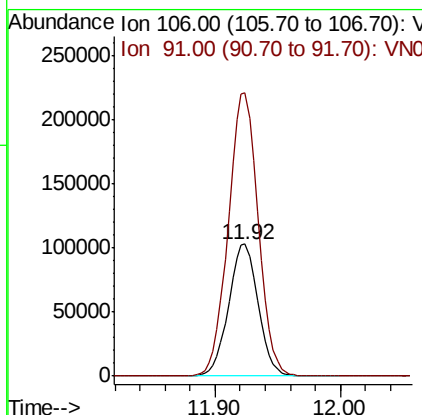
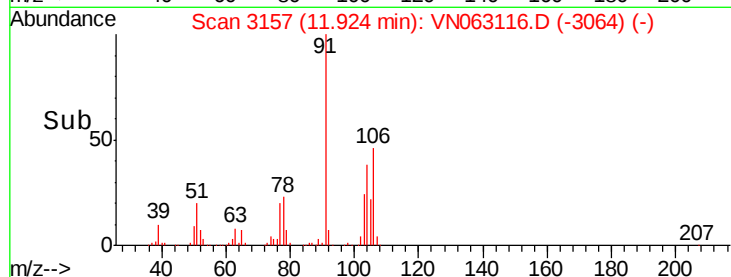
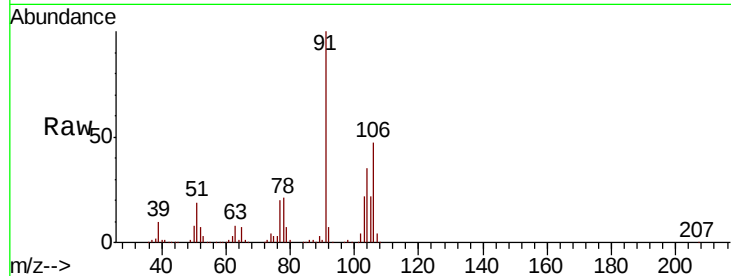




#69
o-Xylene
Concen: 52.007 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

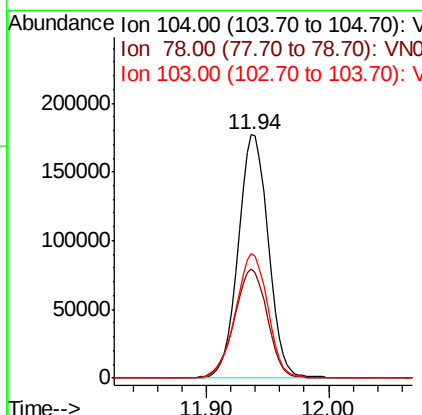
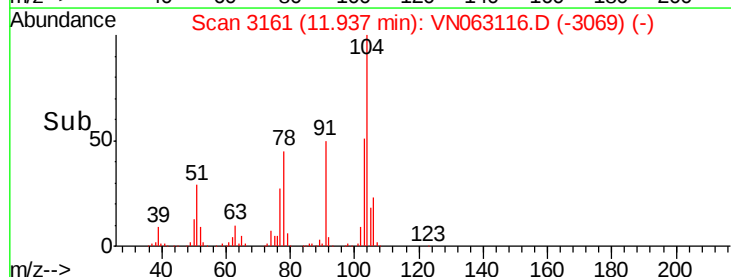
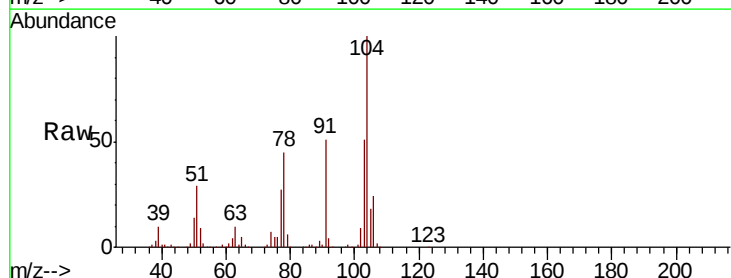
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

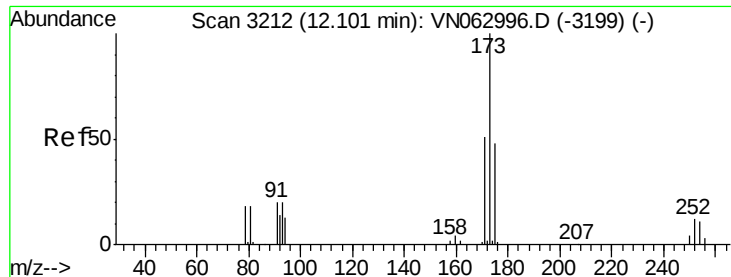
Tot Ion:106 Resp: 168923
Ion Ratio Lower Upper
106 100
91 216.7 107.3 321.9



#70
Styrene
Concen: 46.829 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion:104 Resp: 301032
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.6
103 55.3 44.3 66.5





#71

Bromoform

Concen: 48.744 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

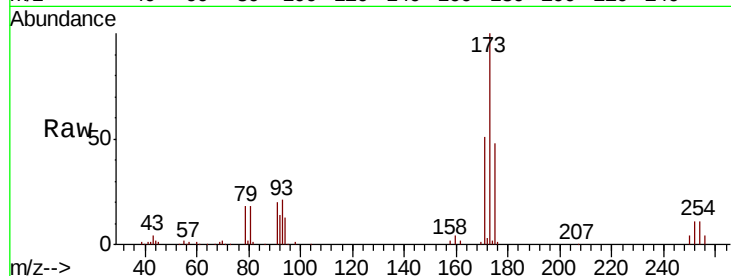
Tot Ion:173 Resp: 81280

Ion Ratio Lower Upper

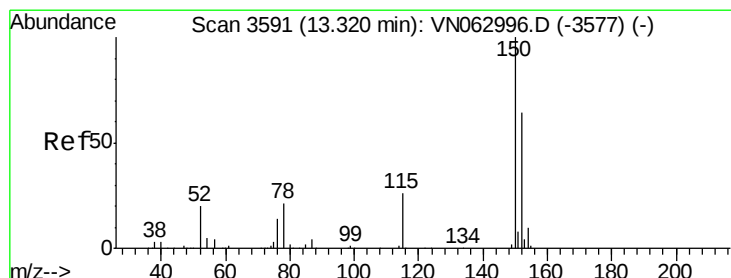
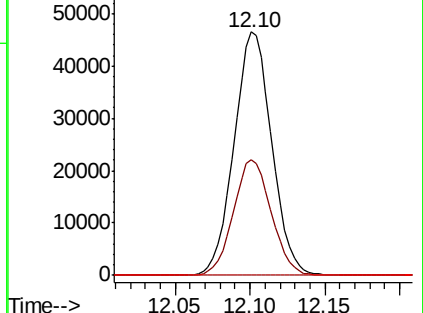
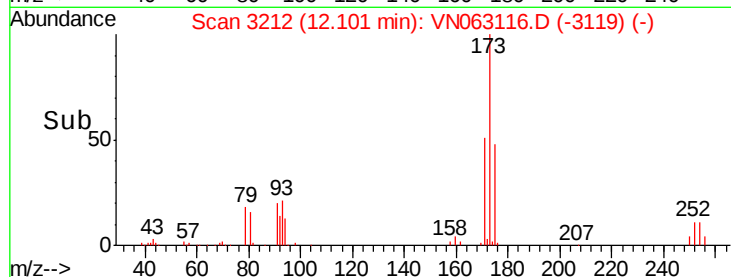
173 100

175 47.6 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

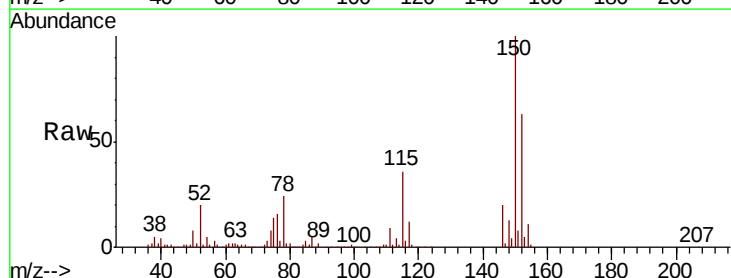
Tgt Ion:152 Resp: 127634

Ion Ratio Lower Upper

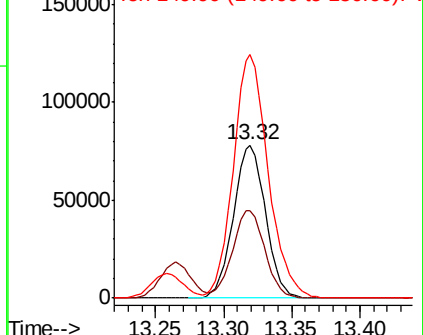
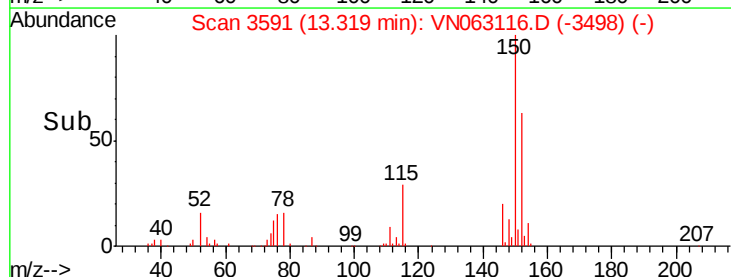
152 100

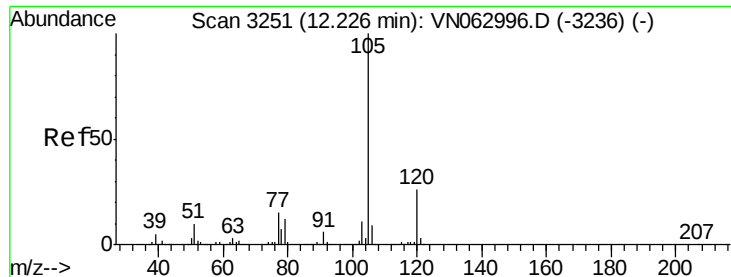
115 58.0 28.7 86.3

150 172.9 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: 51.196 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

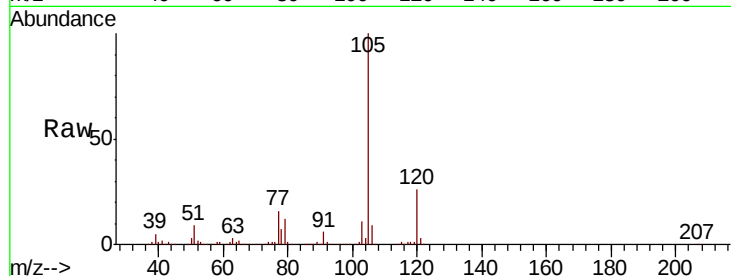
VSTDCCC050EC

Tot Ion:105 Resp: 447471

Ion Ratio Lower Upper

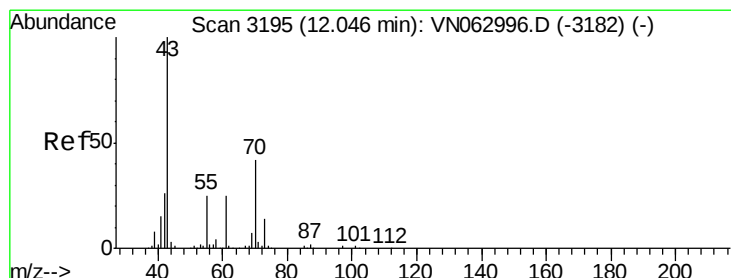
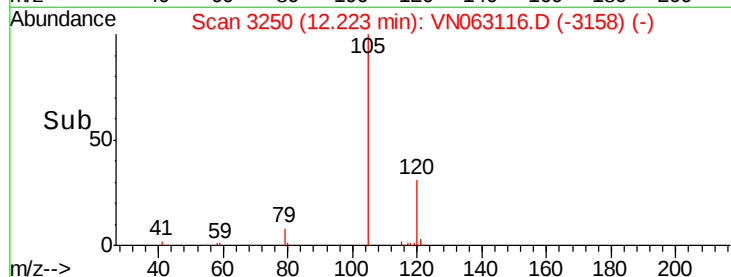
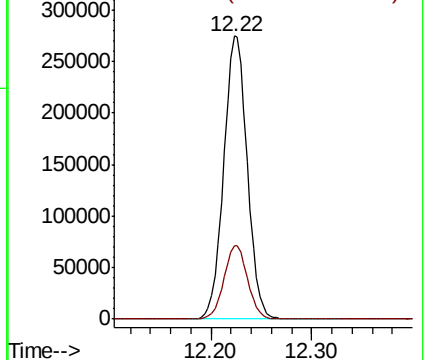
105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 67.780 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Tgt Ion: 43 Resp: 212176

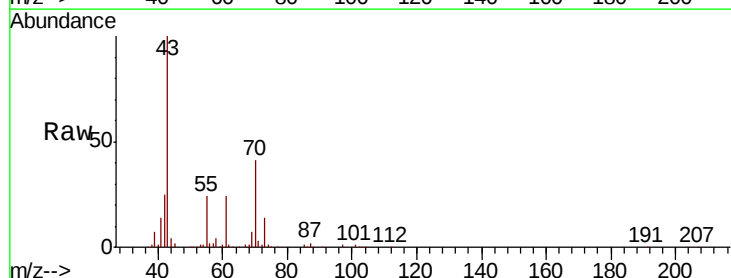
Ion Ratio Lower Upper

43 100

70 40.1 33.4 50.0

55 23.7 20.2 30.2

61 24.1 19.9 29.9

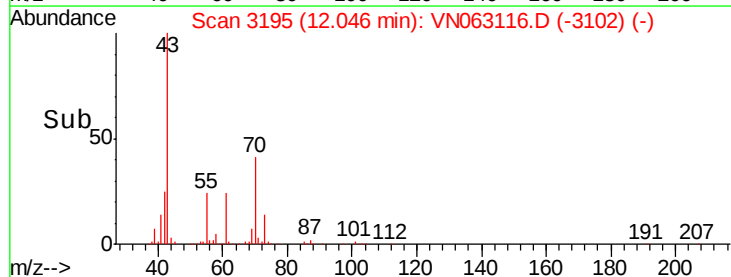
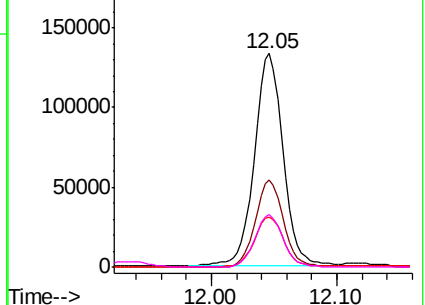


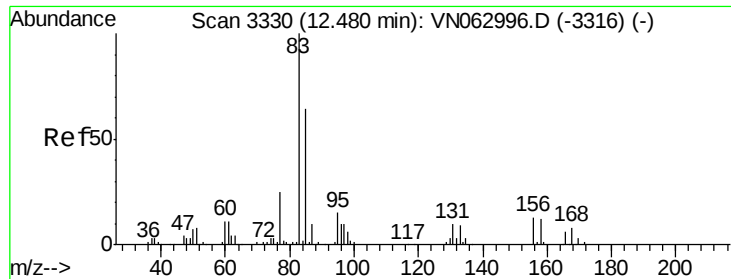
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.360 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

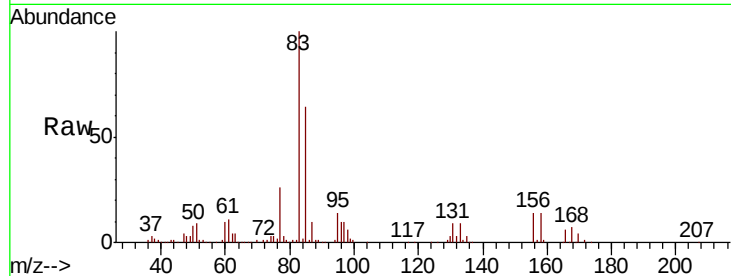
Tot Ion: 83 Resp: 139277

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN063116.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN063116.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN063116.D (-3237) (-)

12.48

80000

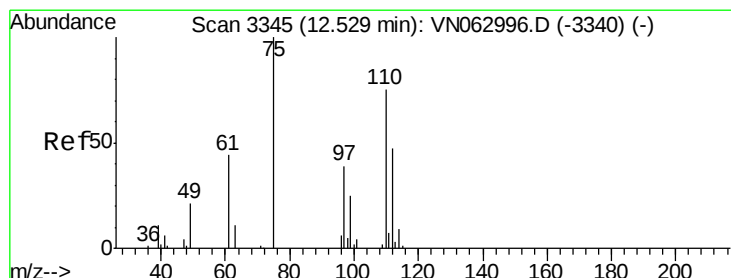
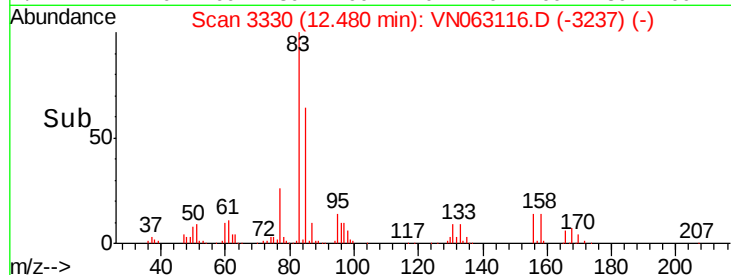
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 75.550 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063116.D

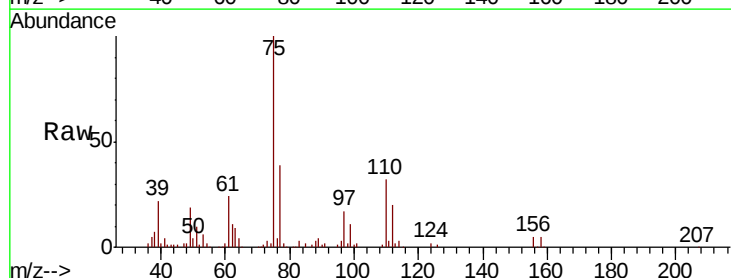
Acq: 25 Aug 2020 16:38

Tgt Ion: 75 Resp: 187432

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063116.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN063116.D (-3252) (-)

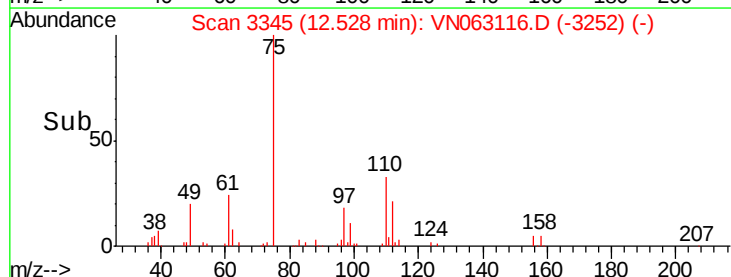
12.53

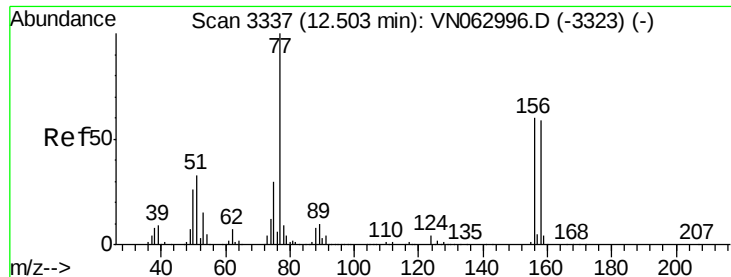
100000

50000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 48.068 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

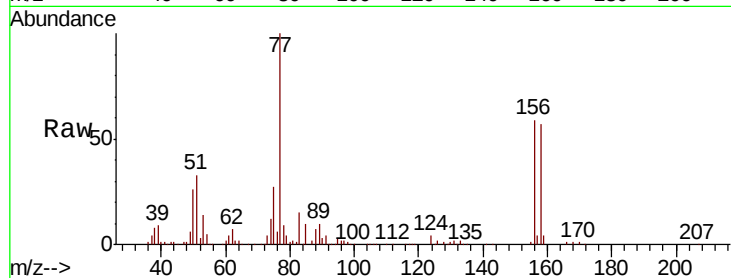
Tot Ion:156 Resp: 115549

Ion Ratio Lower Upper

156 100

77 208.1 101.0 302.9

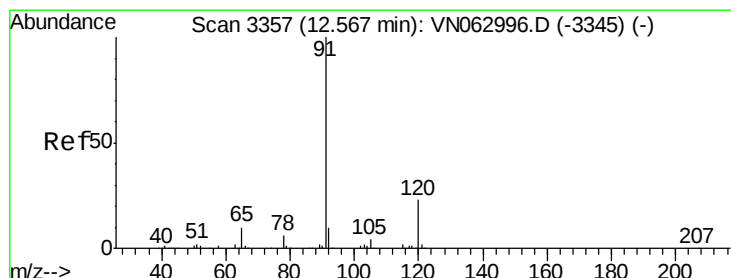
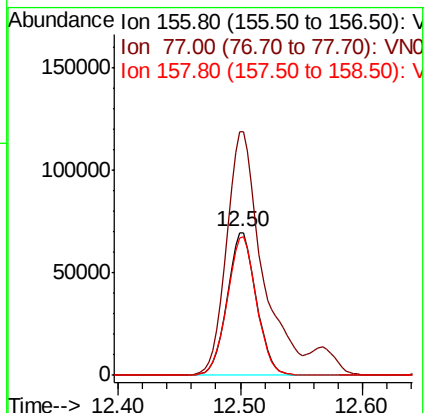
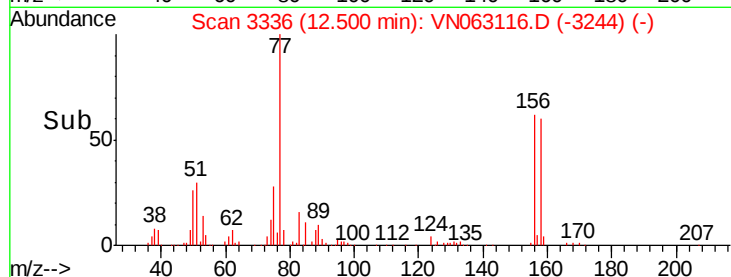
158 98.1 49.4 148.0



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: 52.072 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063116.D

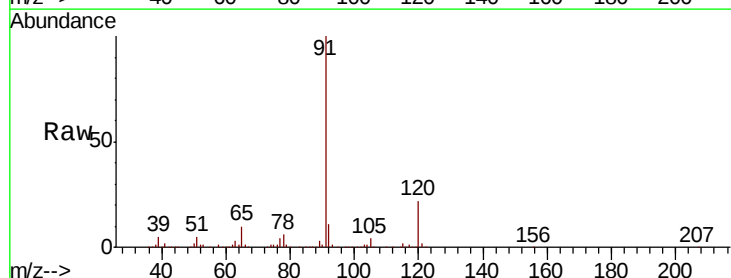
Acq: 25 Aug 2020 16:38

Tgt Ion: 91 Resp: 518772

Ion Ratio Lower Upper

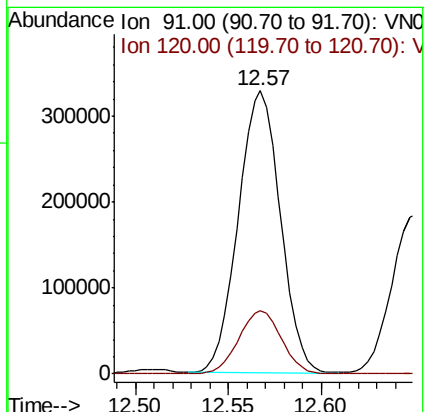
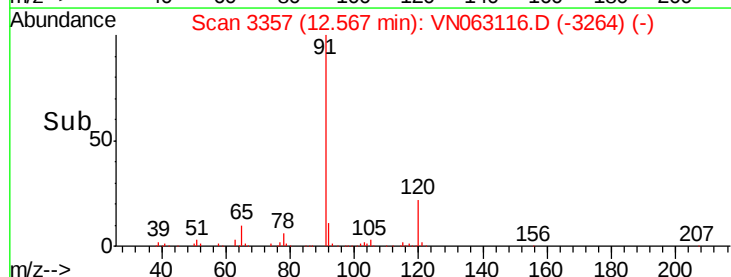
91 100

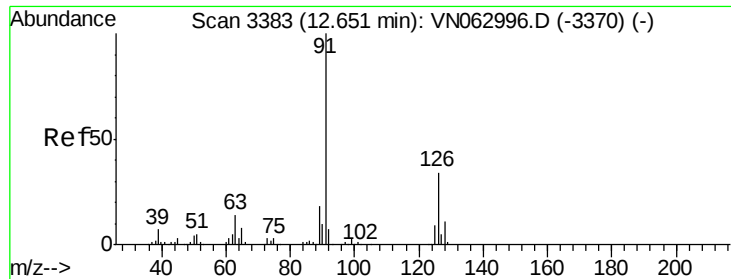
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

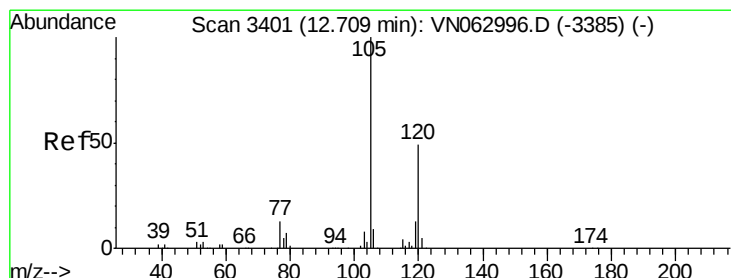
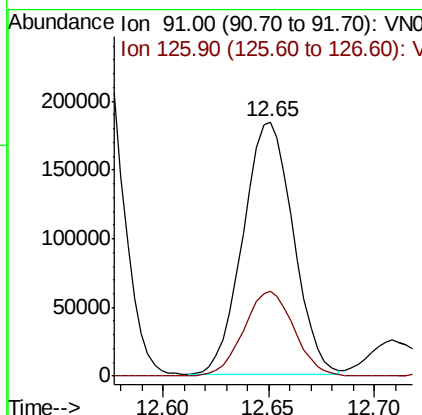
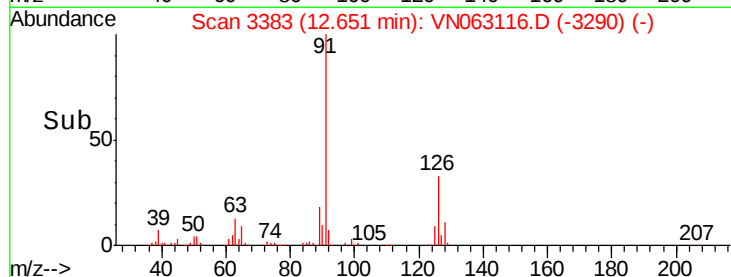
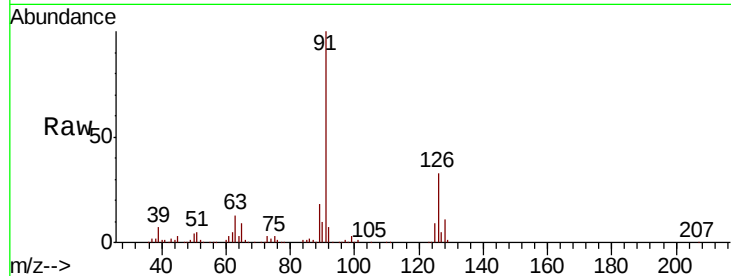




#79
 2-Chlorotoluene
 Concen: 48.739 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

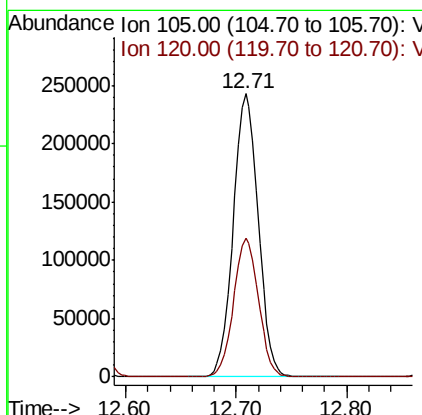
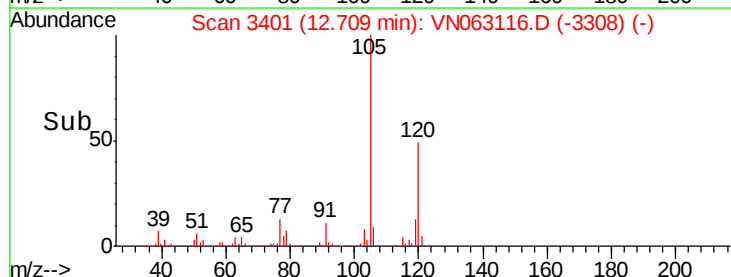
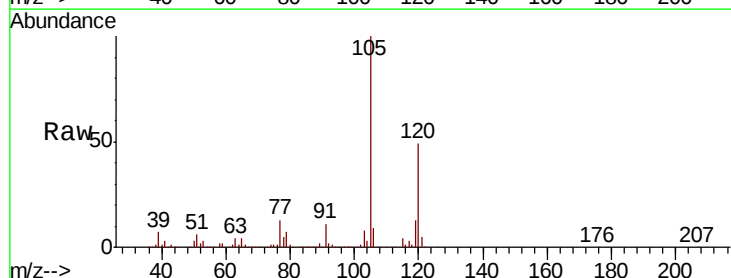
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

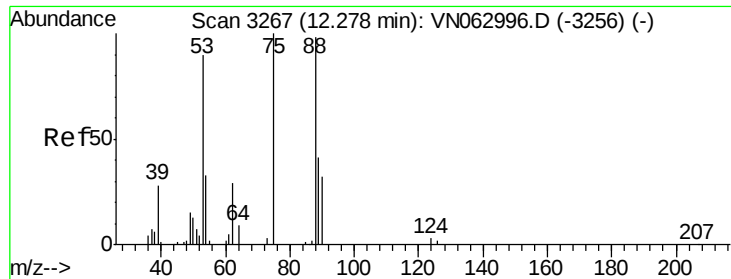
Tot Ion: 91 Resp: 305409
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 52.657 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion: 105 Resp: 380464
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.3 72.8

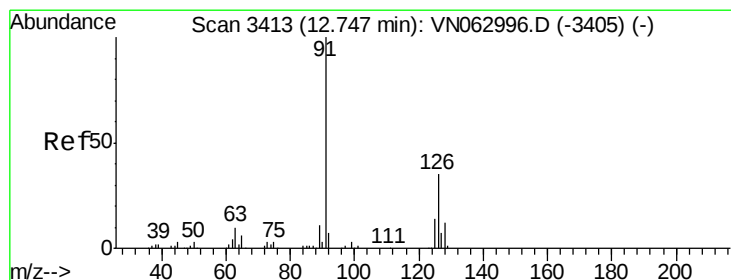
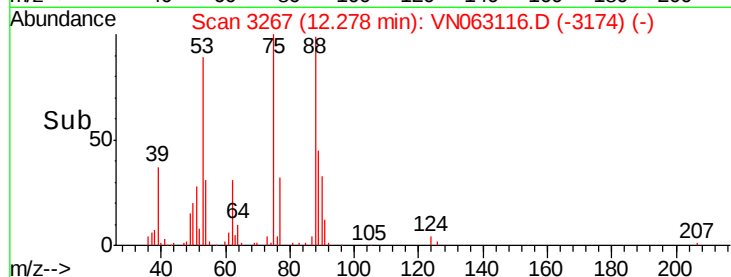
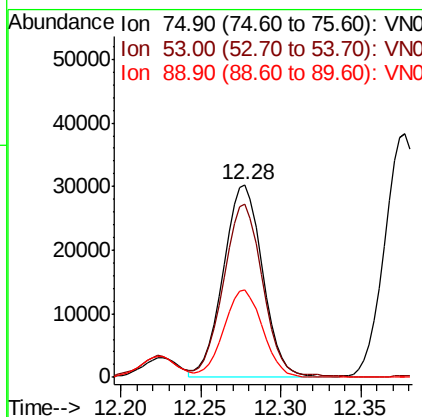
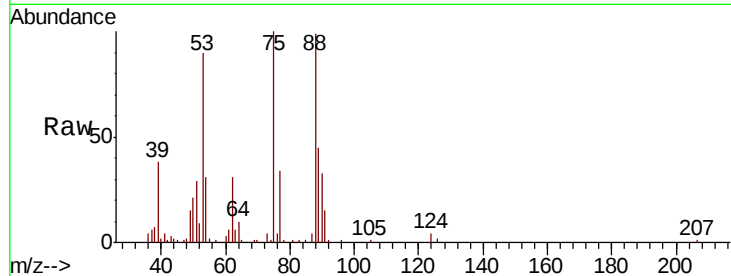




#81
trans-1,4-Dichloro-2-butene
Concen: 56.422 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

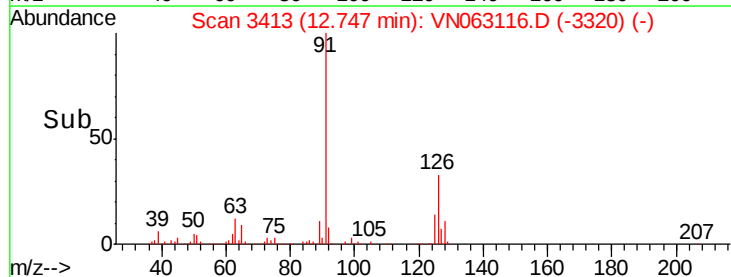
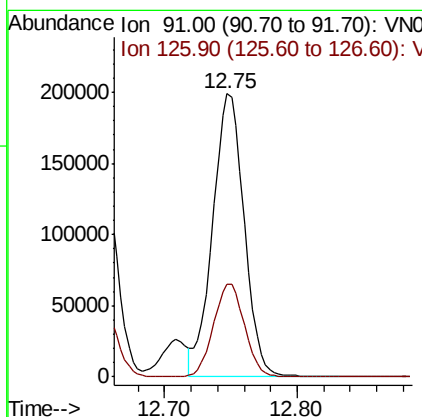
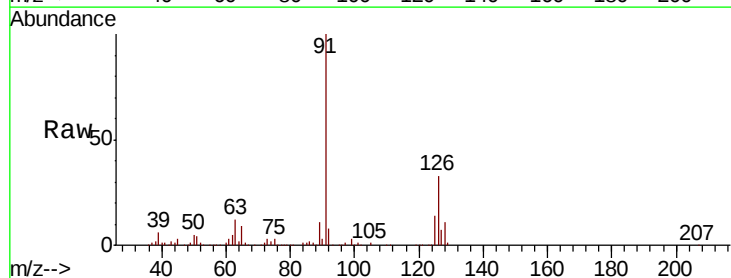
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

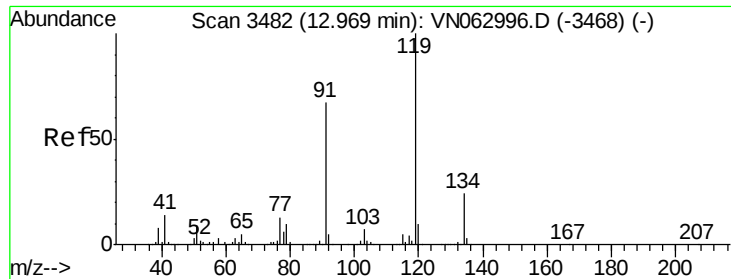
Tot Ion: 75 Resp: 50967
Ion Ratio Lower Upper
75 100
53 90.1 69.2 103.8
89 44.7 34.2 51.4



#82
4-Chlorotoluene
Concen: 51.222 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 91 Resp: 326834
Ion Ratio Lower Upper
91 100
126 32.3 16.5 49.5

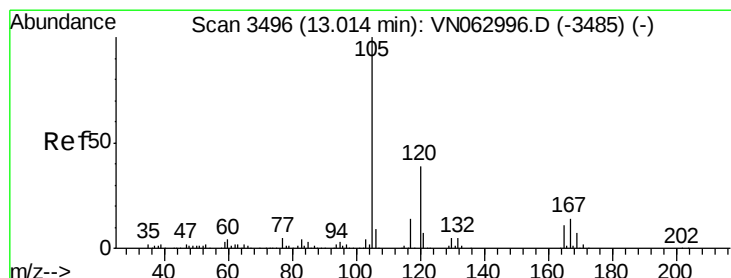
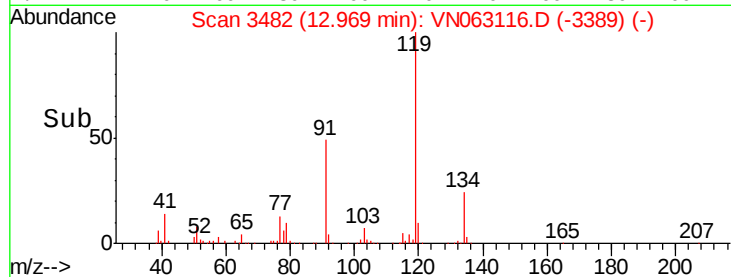
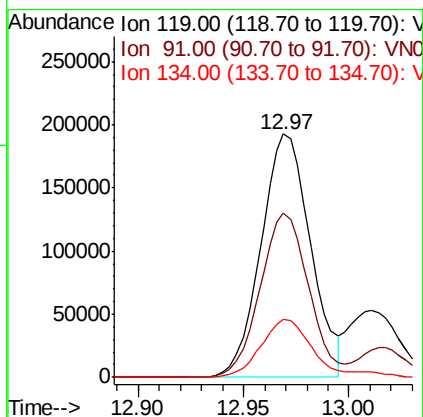
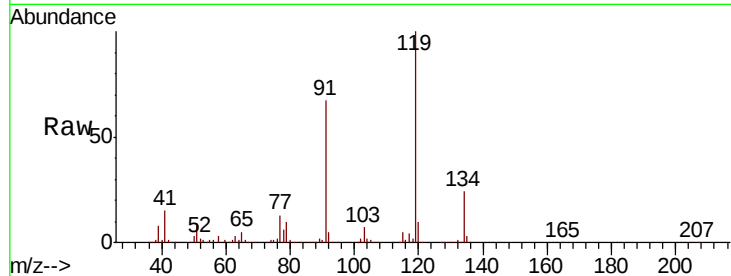




#83
 tert-Butylbenzene
 Concen: 50.616 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

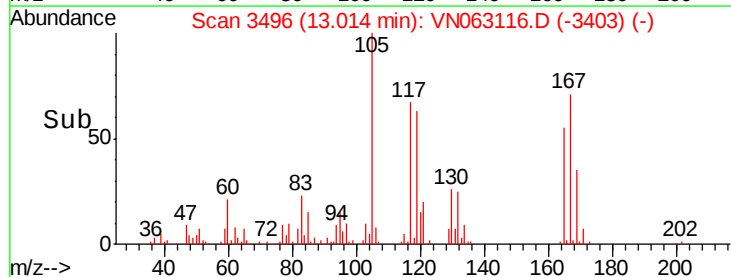
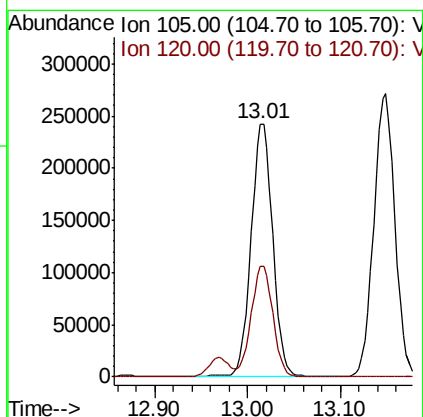
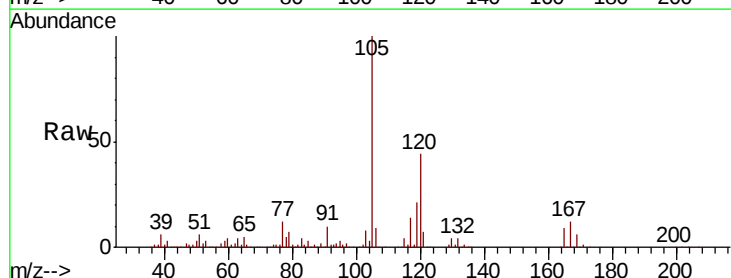
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

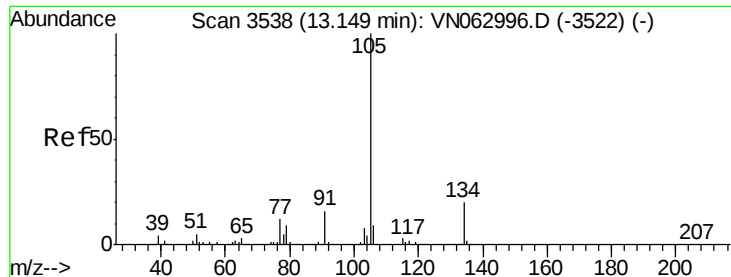
Tot Ion:119 Resp: 315647
 Ion Ratio Lower Upper
 119 100
 91 66.2 32.5 97.4
 134 25.6 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.711 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion:105 Resp: 392146
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.5 67.5





#85

sec-Butylbenzene

Concen: 50.777 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

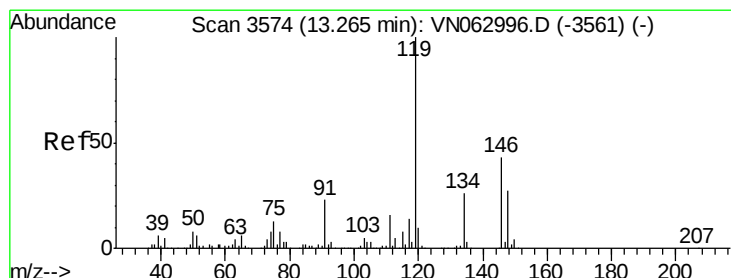
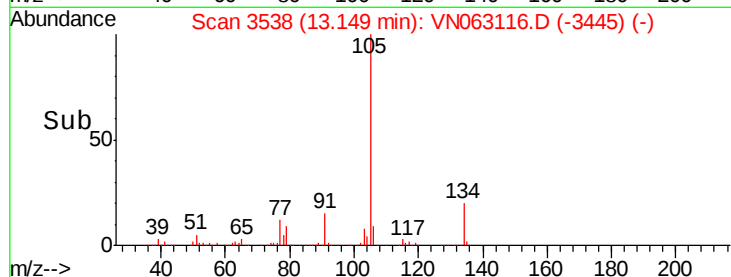
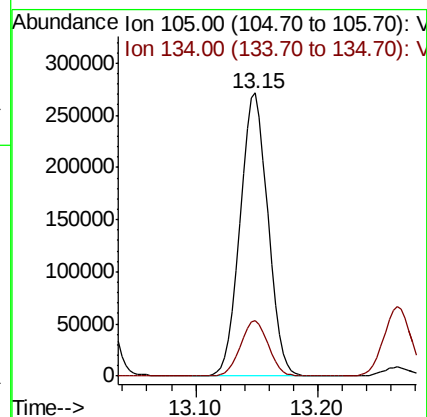
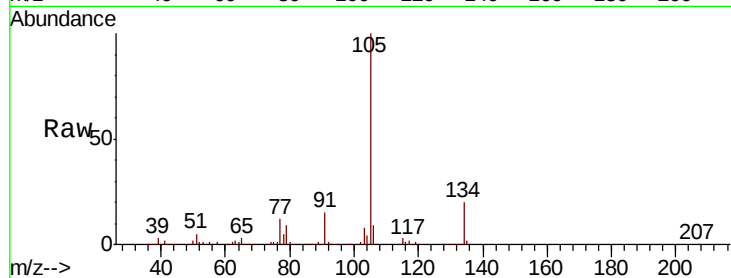
VSTDCCC050EC

Tot Ion:105 Resp: 427950

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 53.281 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

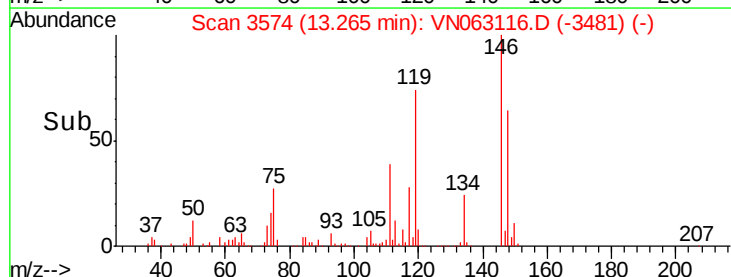
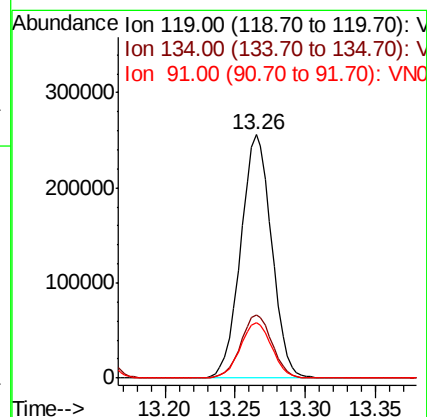
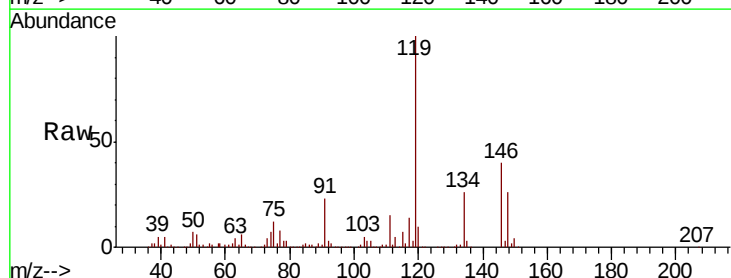
Tgt Ion:119 Resp: 391279

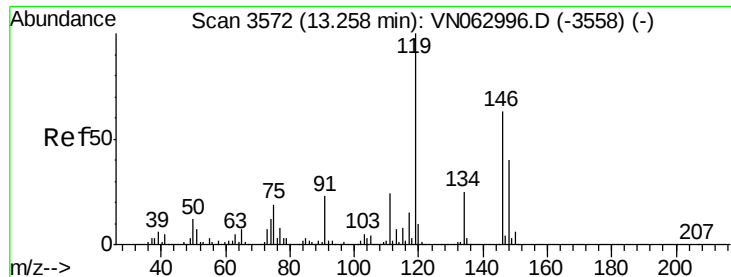
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.0 11.5 34.4

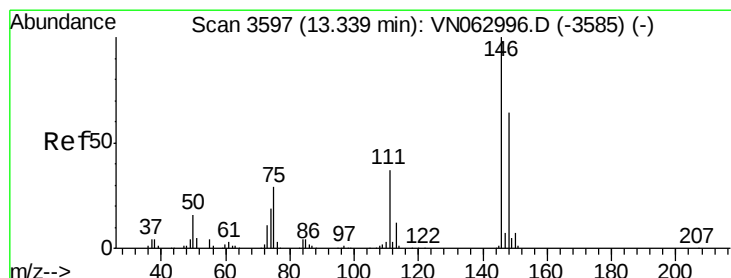
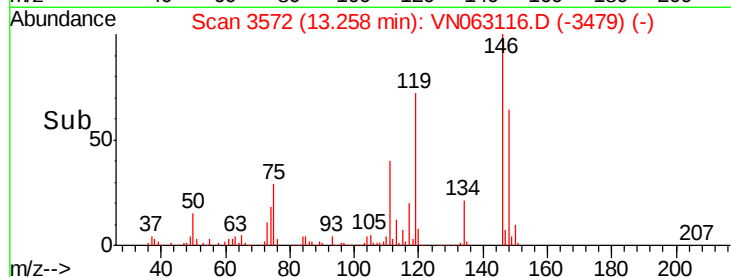
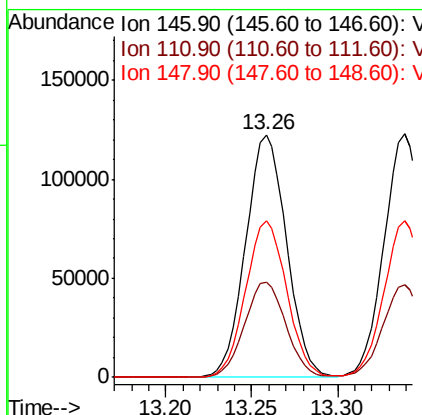
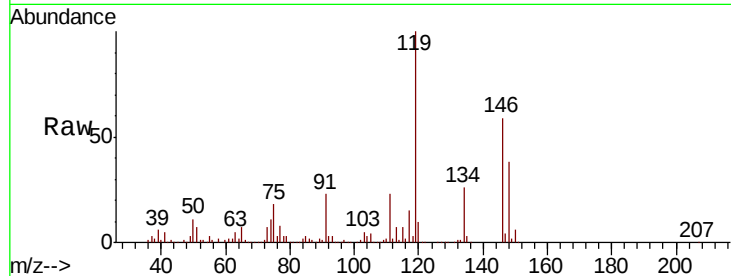




#87
 1,3-Dichlorobenzene
 Concen: 49.010 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

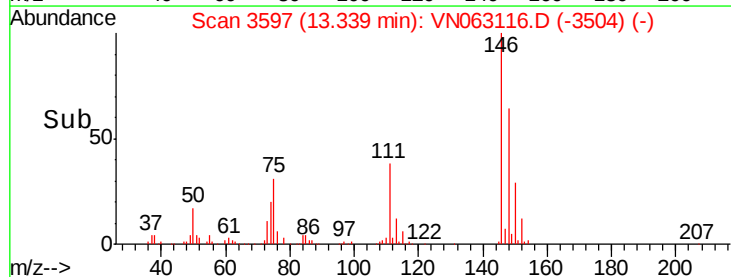
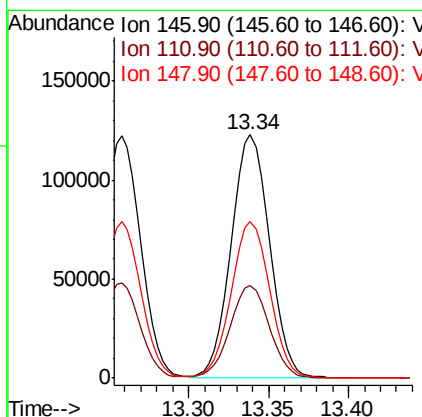
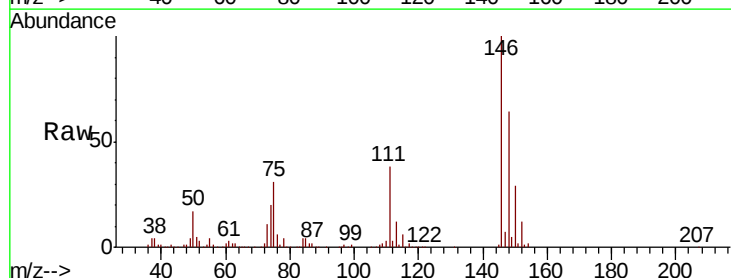
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

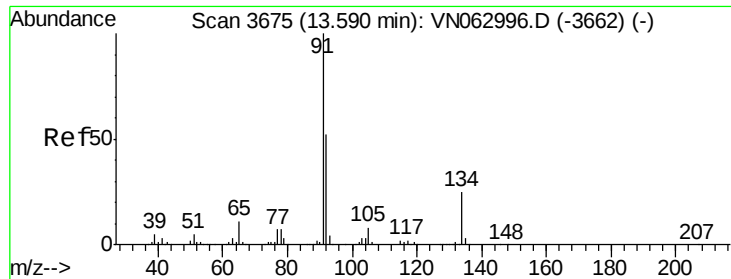
Tot Ion:146 Resp: 202471
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.1
 148 64.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.710 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion:146 Resp: 200052
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.8 56.4
 148 64.6 32.4 97.0

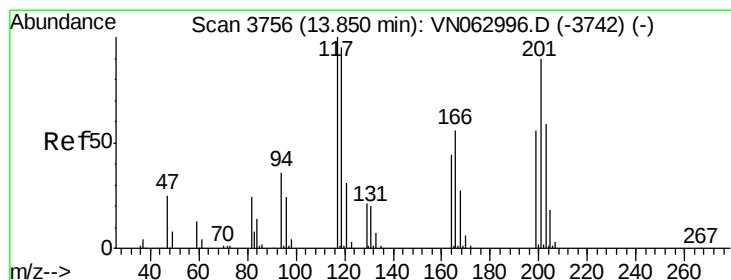
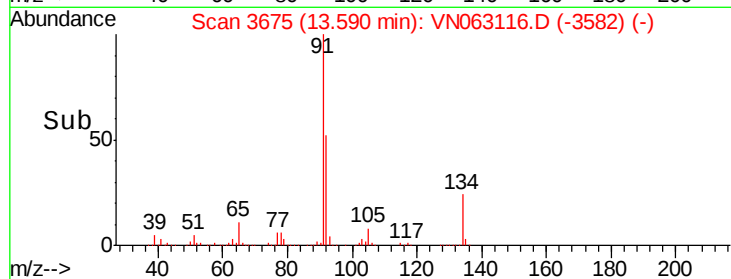
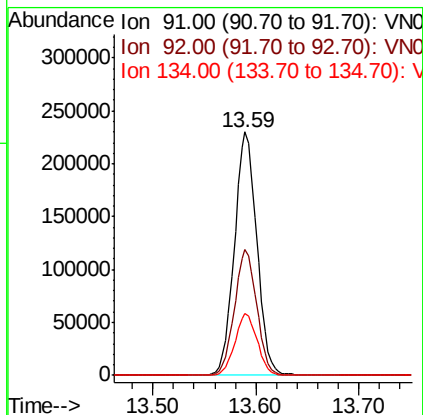
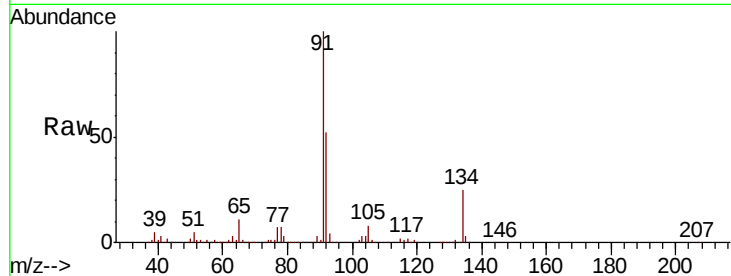




#89
n-Butylbenzene
Concen: 50.300 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

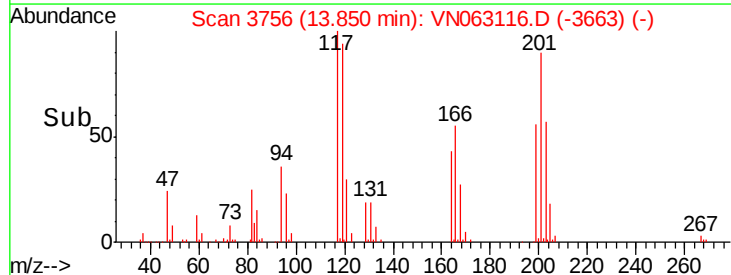
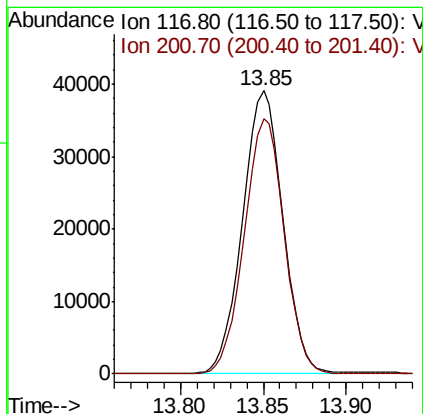
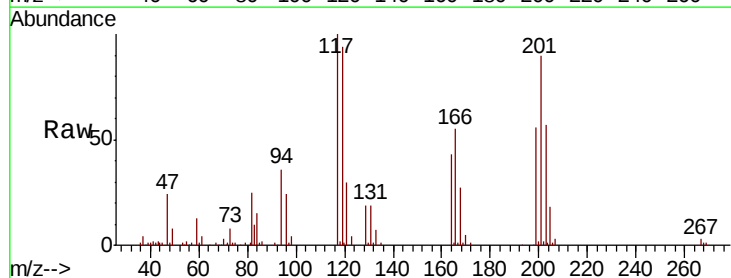
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

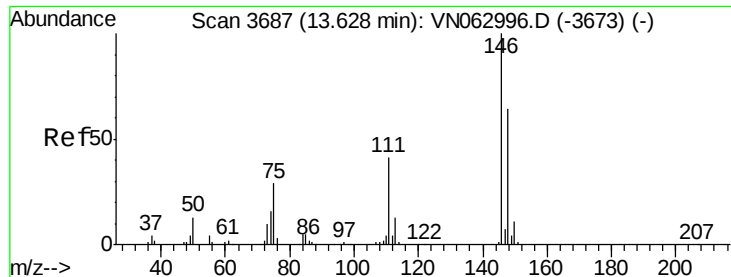
Tot Ion: 91 Resp: 350218
Ion Ratio Lower Upper
91 100
92 51.2 25.9 77.6
134 25.1 12.4 37.0



#90
Hexachloroethane
Concen: 42.380 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion: 117 Resp: 66150
Ion Ratio Lower Upper
117 100
201 89.1 44.1 132.4

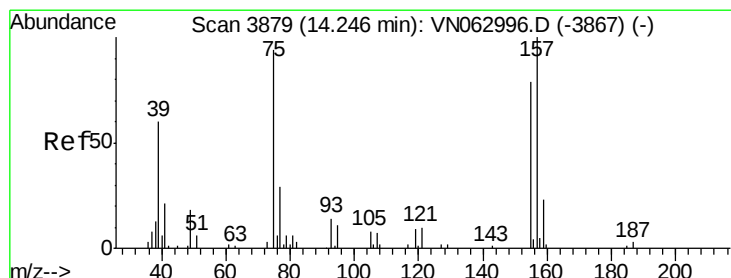
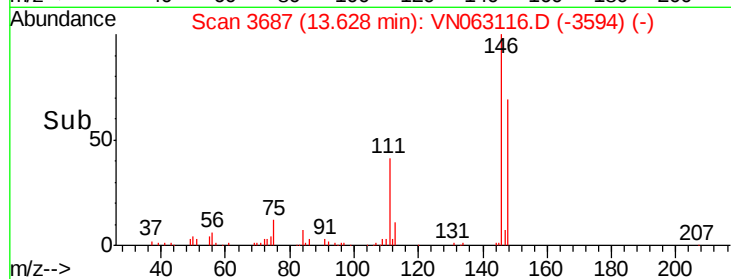
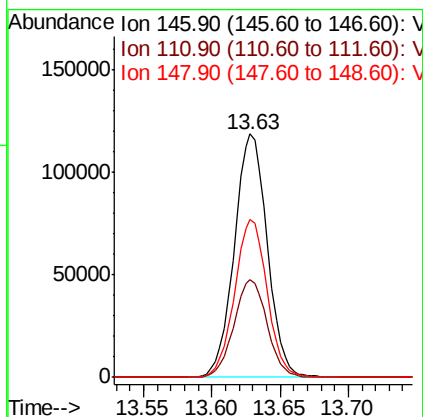
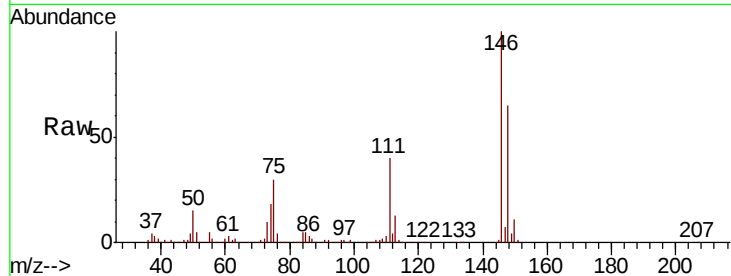




#91
 1,2-Dichlorobenzene
 Concen: 49.916 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

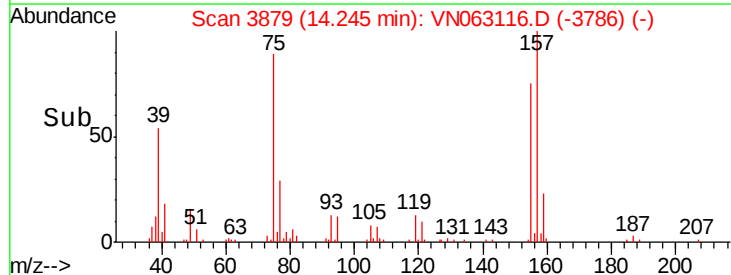
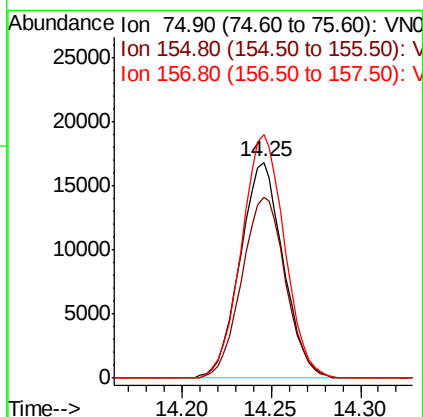
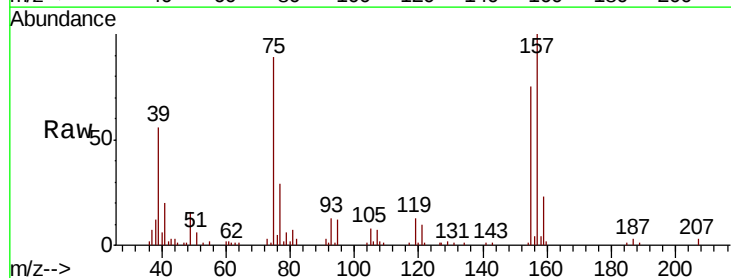
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

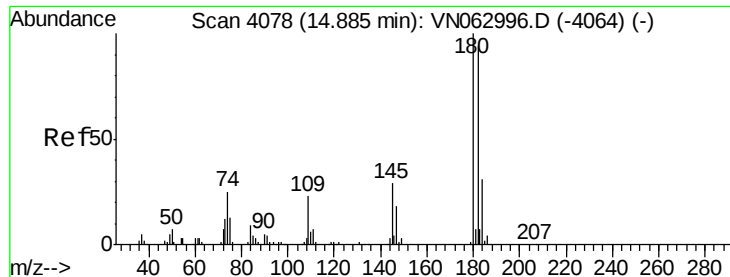
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	64.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.697 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063116.D
 Acq: 25 Aug 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	42.4	127.1
157	112.9	55.2	165.6





#93

1,2,4-Trichlorobenzene

Concen: 59.302 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

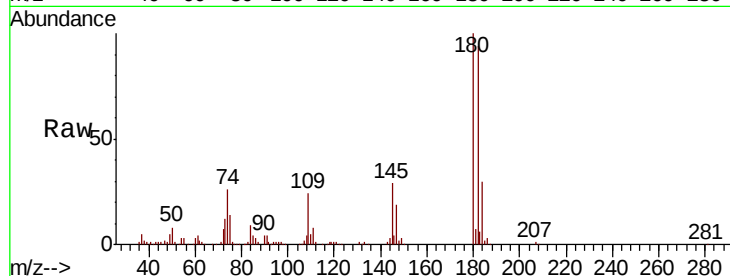
Tot Ion:180 Resp: 133234

Ion Ratio Lower Upper

180 100

182 95.5 47.0 141.2

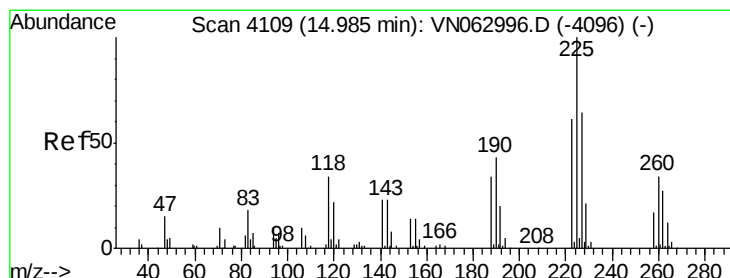
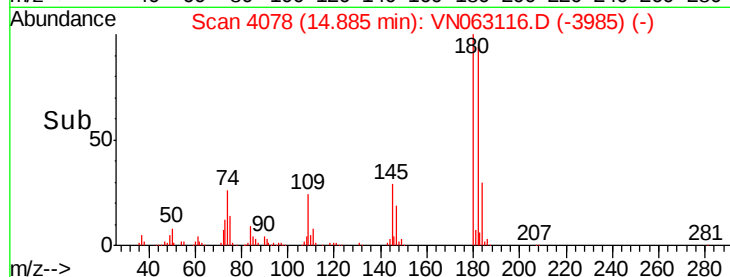
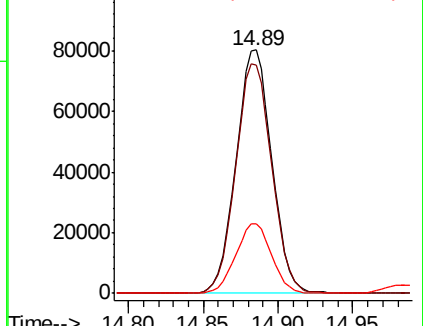
145 28.7 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 43.529 ug/l

RT: 14.98 min Scan# 4109

Delta R.T. -0.00 min

Lab File: VN063116.D

Acq: 25 Aug 2020 16:38

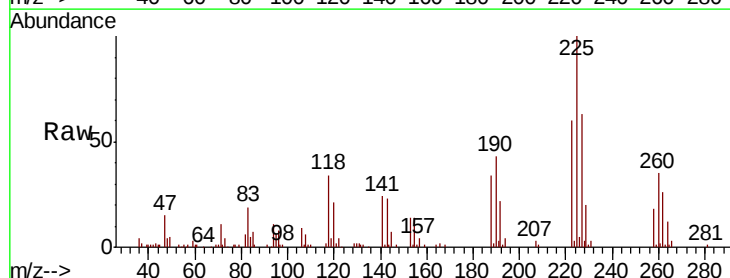
Tgt Ion:225 Resp: 64188

Ion Ratio Lower Upper

225 100

223 60.6 30.9 92.5

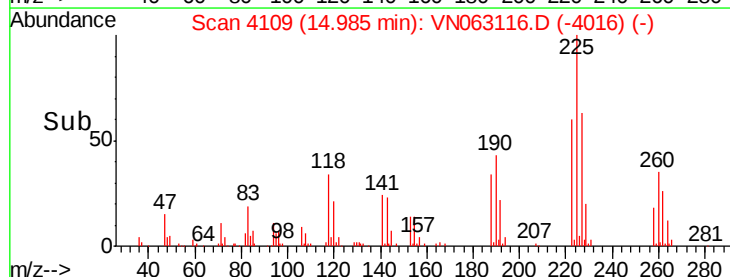
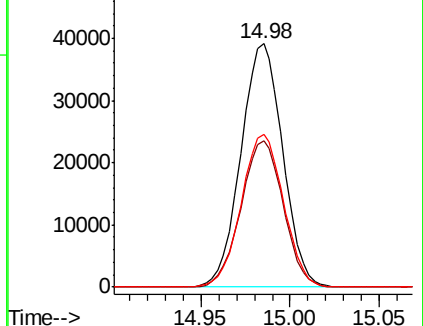
227 63.4 31.9 95.9

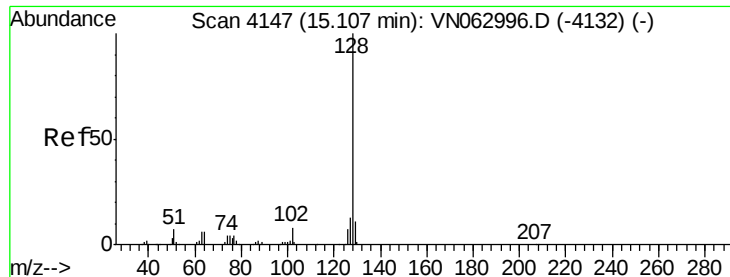


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

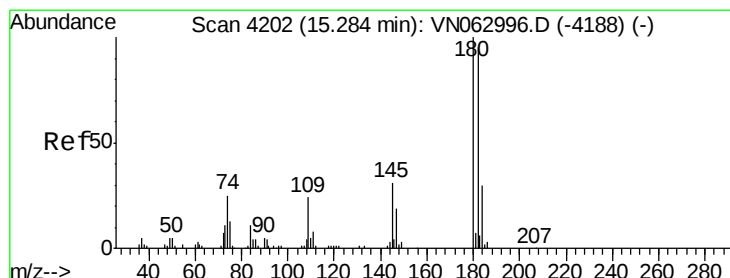
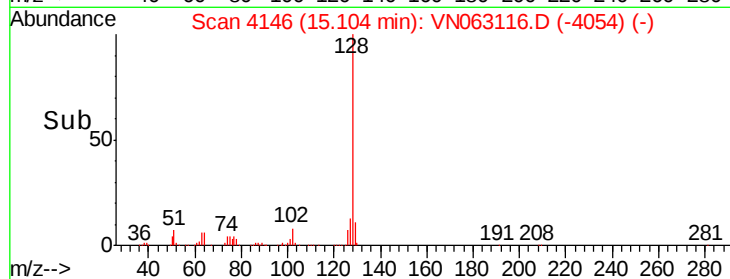
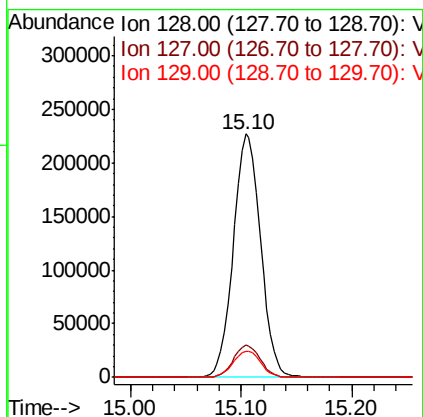
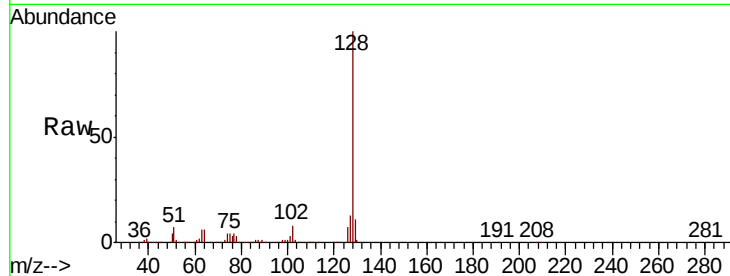




#95
Naphthalene
Concen: 73.464 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 389313
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 58.976 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063116.D
Acq: 25 Aug 2020 16:38

Tgt Ion:180 Resp: 129563
Ion Ratio Lower Upper
180 100
182 94.4 47.3 141.9
145 30.0 15.6 46.7

