

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062745.D
 Acq On : 3 Aug 2020 19:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 04 03:36:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114876	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.55	113	75845	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.06	98	284903	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.38	95	109483	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	72737	42.210	ug/l	99
3) Chloromethane	2.03	50	78964	33.786	ug/l	98
4) Vinyl Chloride	2.16	62	76503	37.759	ug/l	98
5) Bromomethane	2.50	94	38552	42.960	ug/l	95
6) Chloroethane	2.65	64	49601	54.120	ug/l	98
7) Trichlorofluoromethane	2.97	101	135007	56.753	ug/l	100
8) Diethyl Ether	3.37	74	45235	40.663	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.71	101	67274	44.108	ug/l	99
10) Methyl Iodide	3.91	142	75481	38.710	ug/l	94
11) Tert butyl alcohol	4.74	59	72942	204.315	ug/l	99
12) 1,1-Dichloroethene	3.69	96	64913	41.965	ug/l	96
13) Acrolein	3.56	56	53947	148.445	ug/l	98
14) Allyl chloride	4.27	41	120644	36.056	ug/l	90
15) Acrylonitrile	4.93	53	194669	203.579	ug/l	99
16) Acetone	3.77	43	162318	192.204	ug/l	97
17) Carbon Disulfide	4.00	76	179249	35.268	ug/l	99
18) Methyl Acetate	4.28	43	95398	44.622	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	259254	45.536	ug/l	98
20) Methylene Chloride	4.50	84	80893	39.938	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	70880	41.286	ug/l	92
22) Diisopropyl ether	5.90	45	257977	38.788	ug/l	96
23) Vinyl Acetate	5.84	43	1078217	197.850	ug/l	97
24) 1,1-Dichloroethane	5.80	63	150206	41.939	ug/l	99
25) 2-Butanone	6.79	43	252737	196.505	ug/l	96
26) 2,2-Dichloropropane	6.78	77	129368	44.001	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	81593	41.649	ug/l	99
28) Bromochloromethane	7.15	49	70105	39.774	ug/l	89
29) Tetrahydrofuran	7.17	42	164181	188.651	ug/l	92
30) Chloroform	7.33	83	155914	45.786	ug/l	98
31) Cyclohexane	7.61	56	116352	35.186	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	144240	50.734	ug/l	97
36) 1,1-Dichloropropene	7.75	75	110661	43.865	ug/l	99
37) Ethyl Acetate	6.88	43	107600	39.567	ug/l	98
38) Carbon Tetrachloride	7.73	117	125662	51.821	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	116105	42.754	ug/l	97
40) Benzene	8.00	78	318886	41.752	ug/l	100
41) Methacrylonitrile	7.17	41	156003	133.852	ug/l #	14
42) 1,2-Dichloroethane	8.09	62	138159	49.479	ug/l	97
43) Isopropyl Acetate	8.13	43	181886	41.490	ug/l #	91
44) Trichloroethene	8.80	130	75481	43.824	ug/l	99
45) 1,2-Dichloropropane	9.09	63	86483	40.330	ug/l	100
46) Dibromomethane	9.18	93	57880	46.700	ug/l	97
47) Bromodichloromethane	9.37	83	129158	48.101	ug/l	97
48) Methyl methacrylate	9.17	41	89272	42.838	ug/l	94
49) 1,4-Dioxane	9.17	88	28867	901.891	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	551136	210.112	ug/l	98
52) Toluene	10.12	92	196436	44.293	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	139894	46.800	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	143863	44.853	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	79859	46.423	ug/l	95
56) Ethyl methacrylate	10.40	69	127935	41.721	ug/l	94
57) 1,3-Dichloropropane	10.68	76	140429	44.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	196026	213.208	ug/l	96
59) 2-Hexanone	10.72	43	404752	200.121	ug/l	99
60) Dibromochloromethane	10.87	129	94837	49.417	ug/l	98
61) 1,2-Dibromoethane	10.98	107	80595	44.992	ug/l	98
64) Tetrachloroethene	10.60	164	65388	45.690	ug/l	97
65) Chlorobenzene	11.41	112	209678	45.407	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	83892	48.292	ug/l	96
67) Ethyl Benzene	11.48	91	384137	45.370	ug/l	99
68) m/p-Xylenes	11.60	106	286135	94.025	ug/l	99
69) o-Xylene	11.92	106	136612	47.274	ug/l	98
70) Styrene	11.94	104	237073	48.565	ug/l	97
71) Bromoform	12.10	173	67771	51.958	ug/l #	99
73) Isopropylbenzene	12.22	105	381253	43.592	ug/l	99
74) N-amyl acetate	12.05	43	155529	39.820	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	119714	39.390	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	162235	57.624	ug/l #	100
77) Bromobenzene	12.50	156	90422	43.021	ug/l	94
78) n-propylbenzene	12.57	91	441548	43.100	ug/l	99
79) 2-Chlorotoluene	12.65	91	270329	42.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	344521	47.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41193	40.730	ug/l	92
82) 4-Chlorotoluene	12.75	91	285567	43.454	ug/l	99
83) tert-Butylbenzene	12.97	119	280293	46.529	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	341154	47.936	ug/l	96
85) sec-Butylbenzene	13.15	105	367903	45.617	ug/l	99
86) p-Isopropyltoluene	13.26	119	337134	48.603	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	164562	44.616	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	162734	44.820	ug/l	99
89) n-Butylbenzene	13.59	91	275182	46.171	ug/l	99
90) Hexachloroethane	13.85	117	62585	42.383	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	159468	45.216	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	26823	48.610	ug/l	97

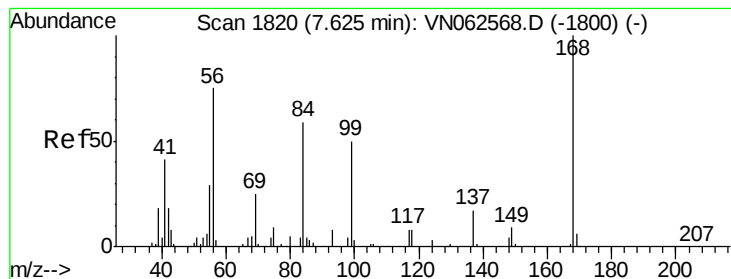
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	78013	42.562	ug/l	99
94) Hexachlorobutadiene	14.98	225	50097	52.529	ug/l	96
95) Naphthalene	15.10	128	201802	41.701	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	76311	45.914	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

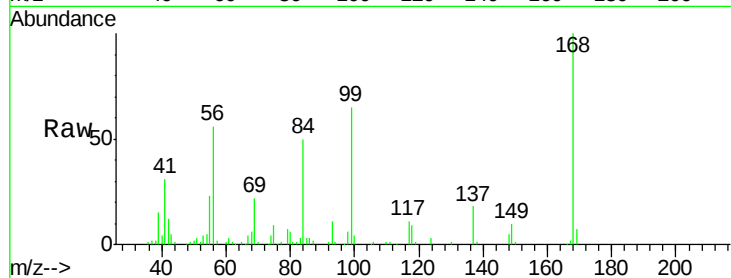
VSTDCCC050EC

Tot Ion:168 Resp: 144465

Ion Ratio Lower Upper

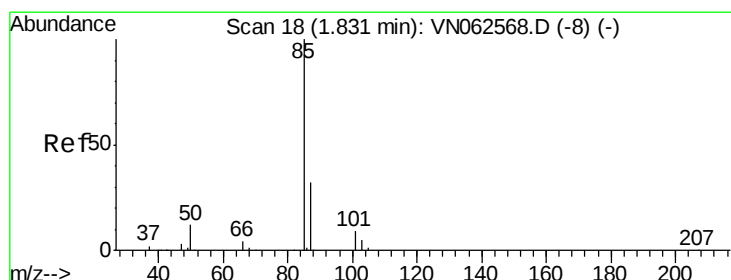
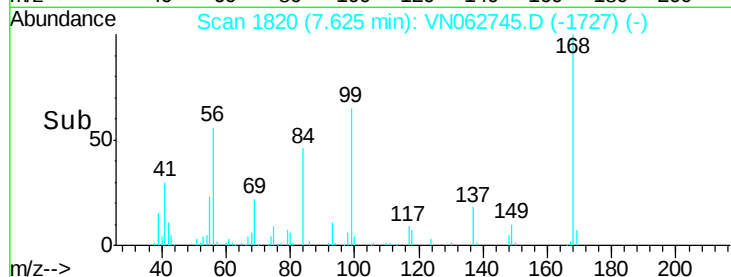
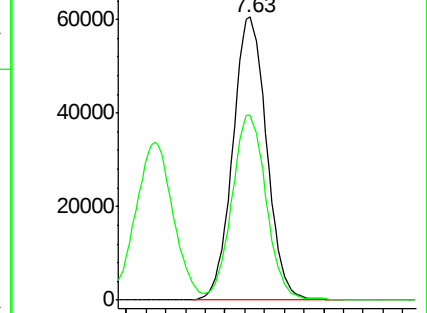
168 100

99 64.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.210 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062745.D

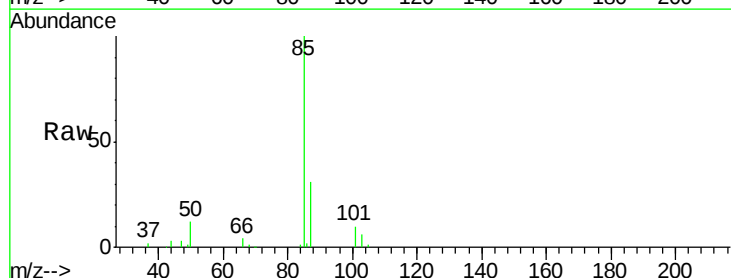
Acq: 3 Aug 2020 19:02

Tgt Ion: 85 Resp: 72737

Ion Ratio Lower Upper

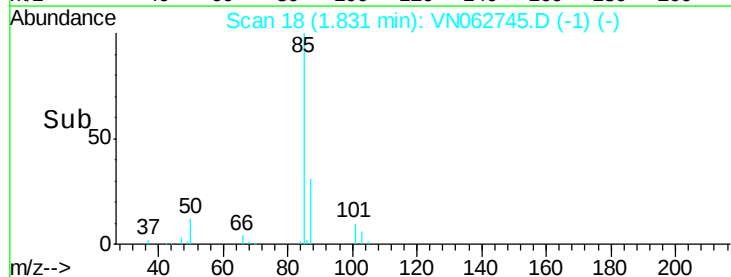
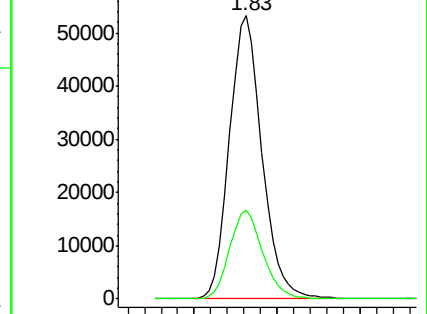
85 100

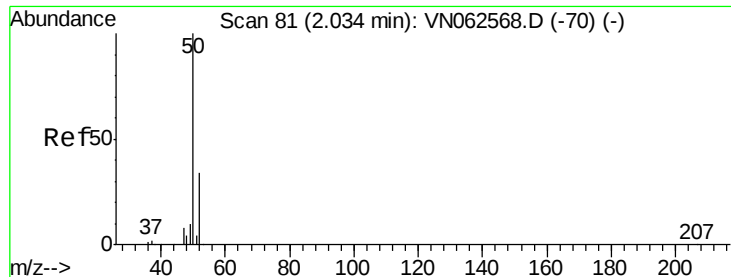
87 31.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 33.786 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

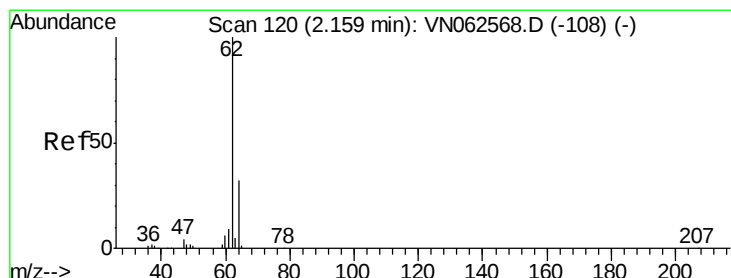
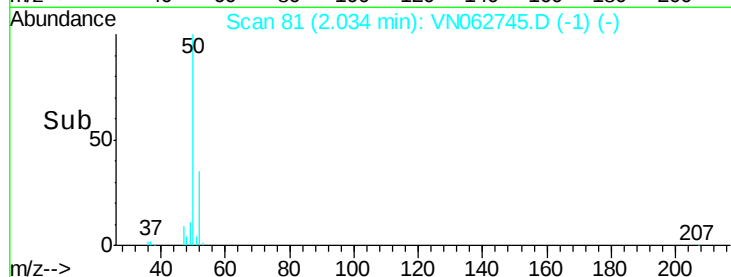
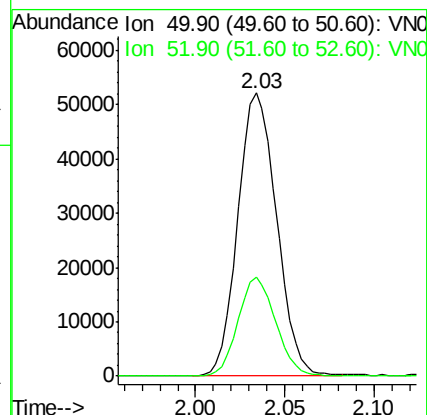
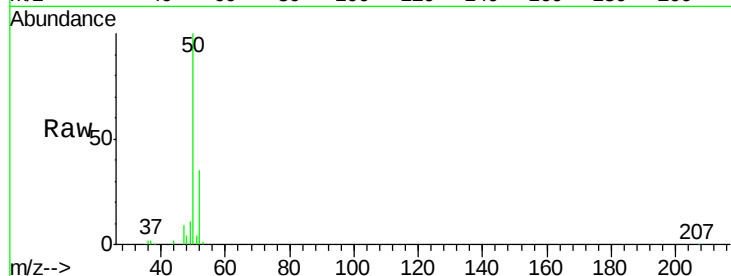
VSTDCCC050EC

Tot Ion: 50 Resp: 78964

Ion Ratio Lower Upper

50 100

52 34.8 27.0 40.4



#4

Vinyl Chloride

Concen: 37.759 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062745.D

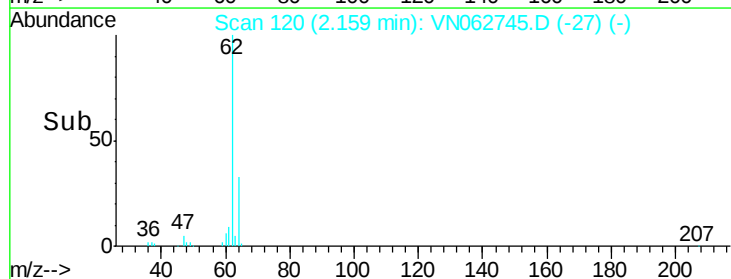
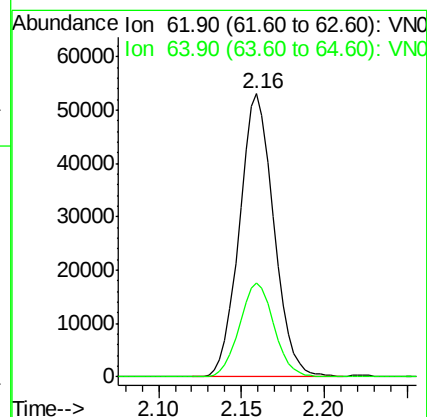
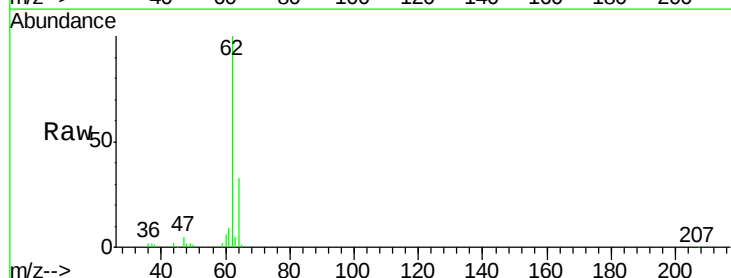
Acq: 3 Aug 2020 19:02

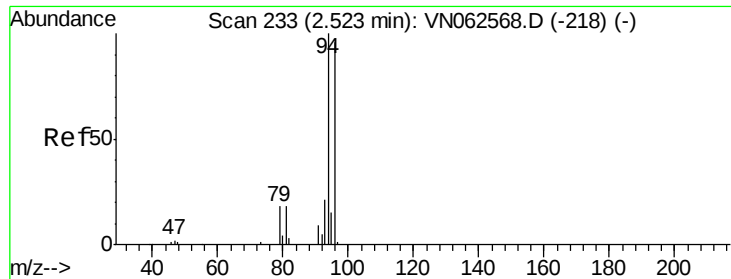
Tgt Ion: 62 Resp: 76503

Ion Ratio Lower Upper

62 100

64 33.4 25.8 38.8





#5

Bromomethane

Concen: 42.960 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.02 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

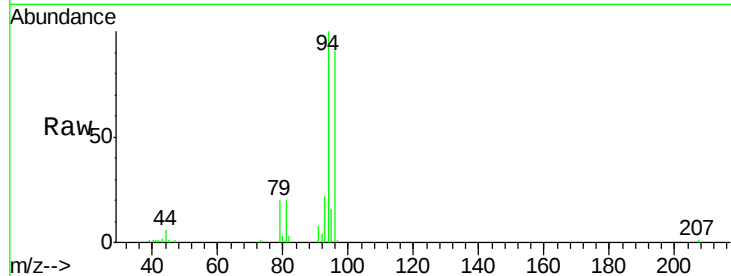
VSTDCCC050EC

Tot Ion: 94 Resp: 38552

Ion Ratio Lower Upper

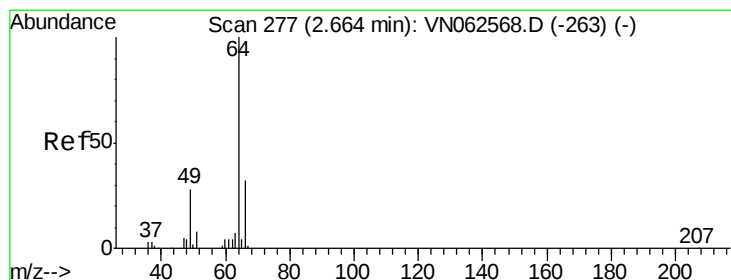
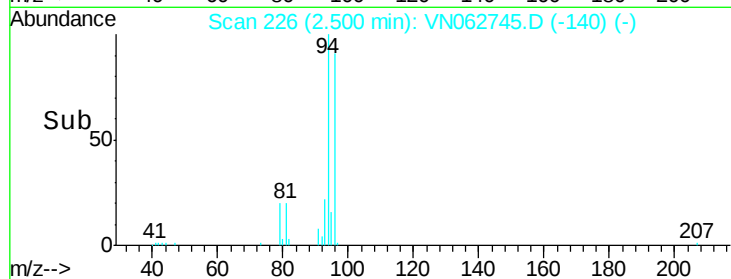
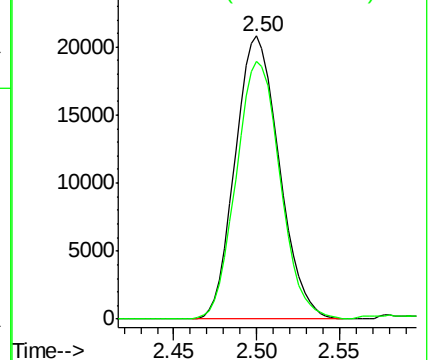
94 100

96 90.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 54.120 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.01 min

Lab File: VN062745.D

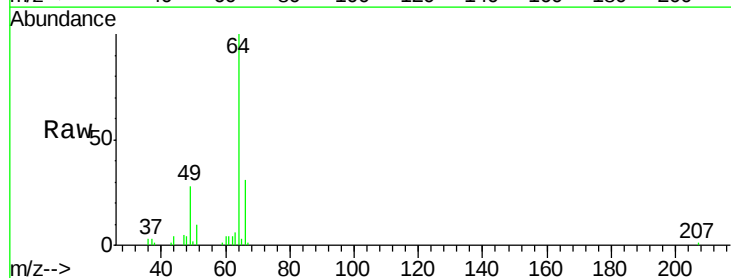
Acq: 3 Aug 2020 19:02

Tgt Ion: 64 Resp: 49601

Ion Ratio Lower Upper

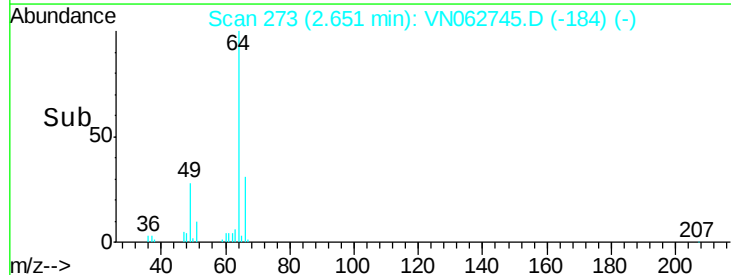
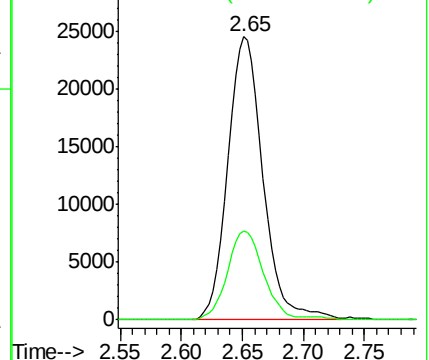
64 100

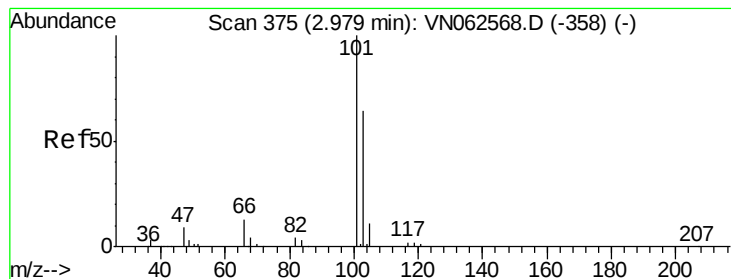
66 31.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



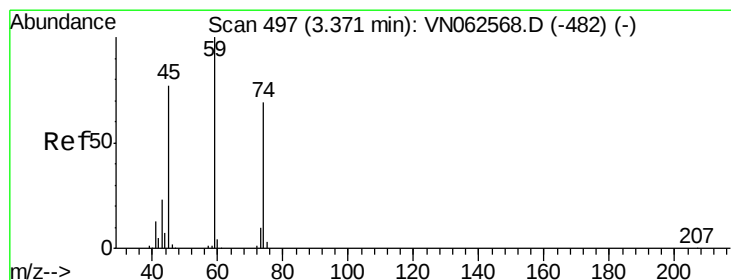
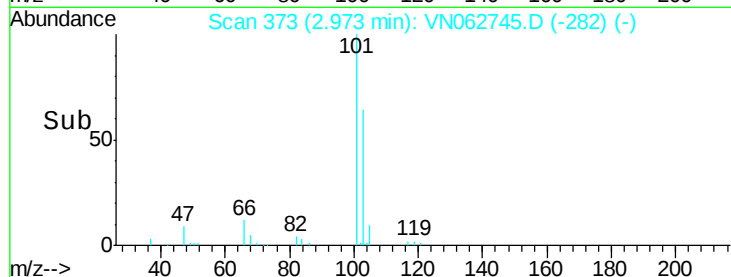
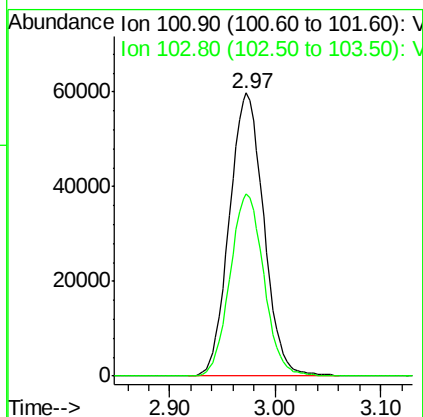
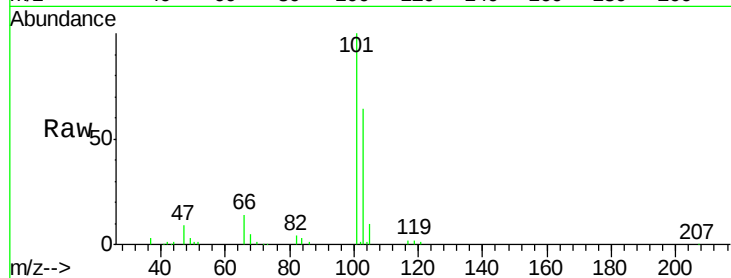


#7

Trichlorofluoromethane
 Concen: 56.753 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

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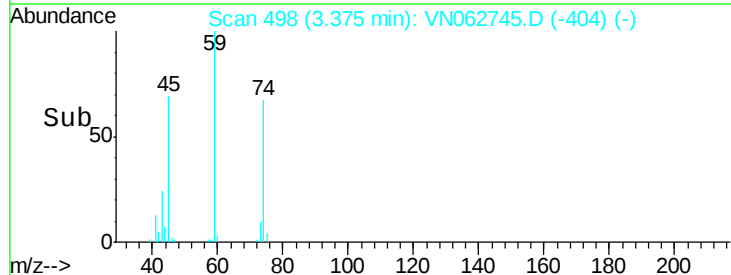
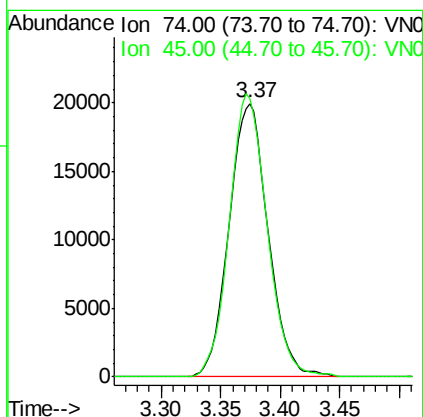
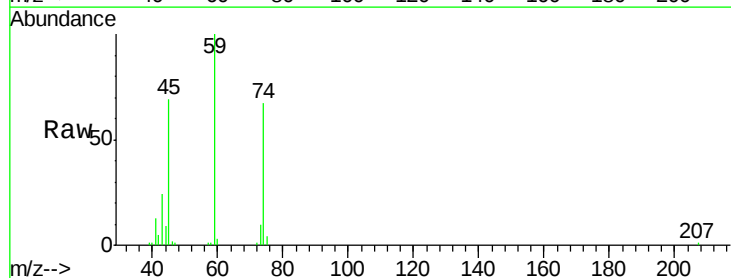
Tot Ion:101 Resp: 135007
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

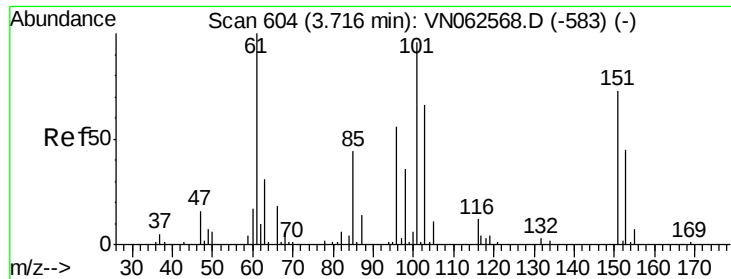


#8

Diethyl Ether
 Concen: 40.663 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 74 Resp: 45235
 Ion Ratio Lower Upper
 74 100
 45 100.3 55.3 165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.108 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

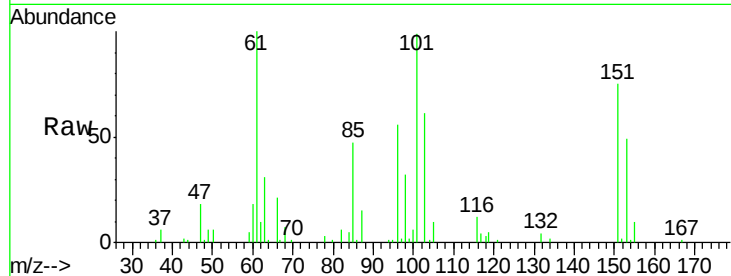
Tot Ion:101 Resp: 67274

Ion Ratio Lower Upper

101 100

85 47.1 36.0 54.0

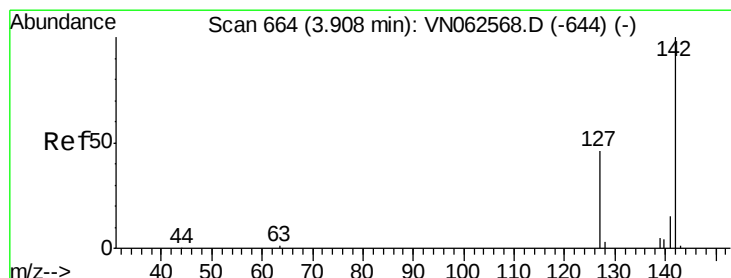
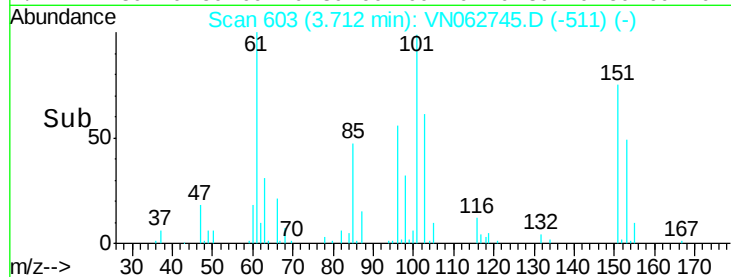
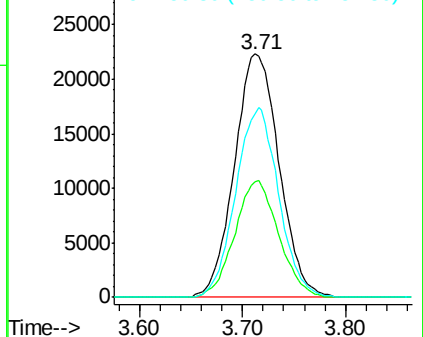
151 75.1 60.0 90.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.710 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

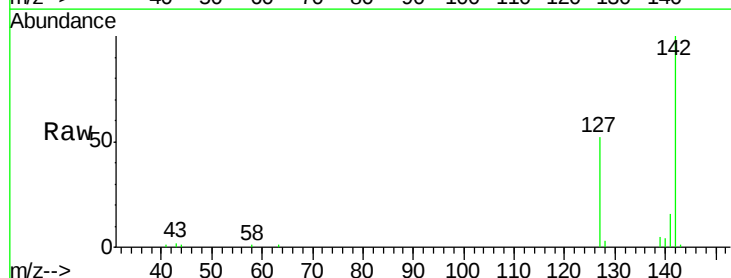
Tgt Ion:142 Resp: 75481

Ion Ratio Lower Upper

142 100

127 52.3 37.4 56.0

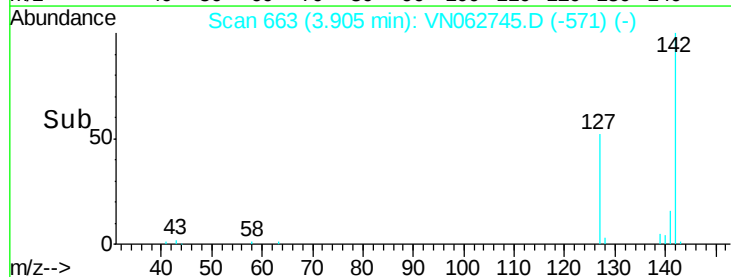
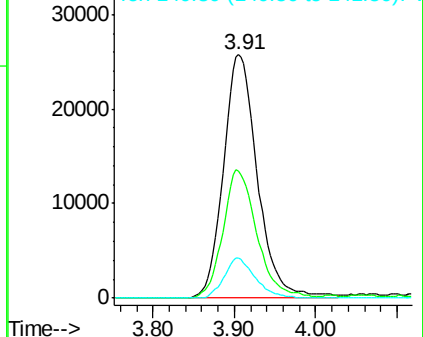
141 15.0 11.9 17.9

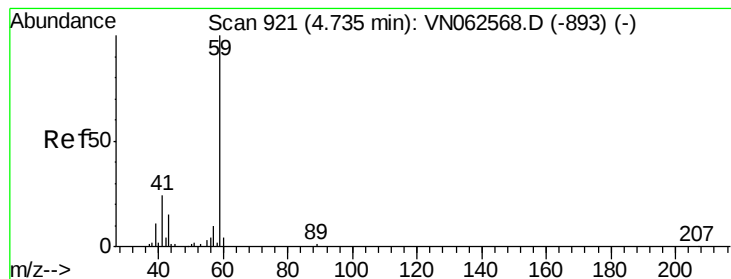


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



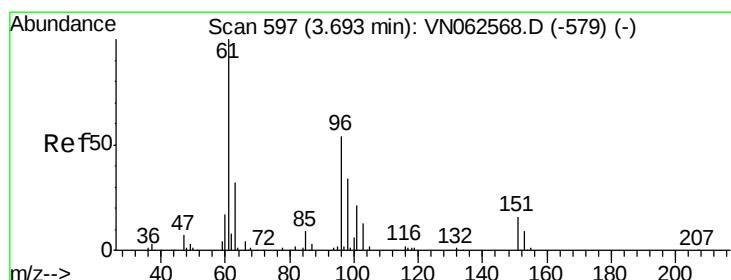
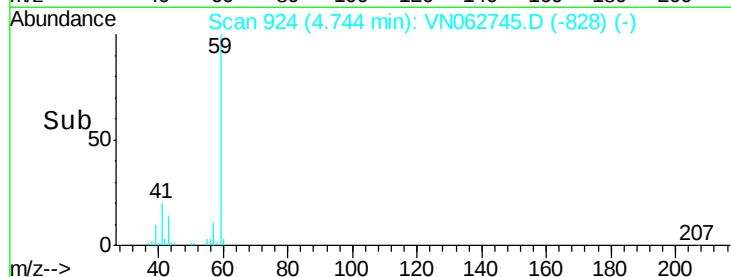
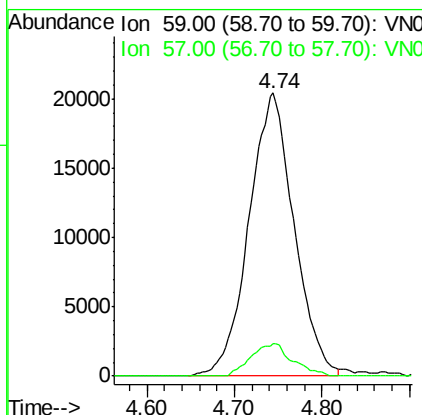
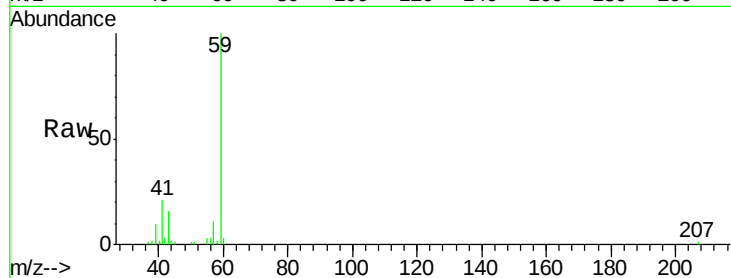


#11

Tert butyl alcohol
 Concen: 204.315 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

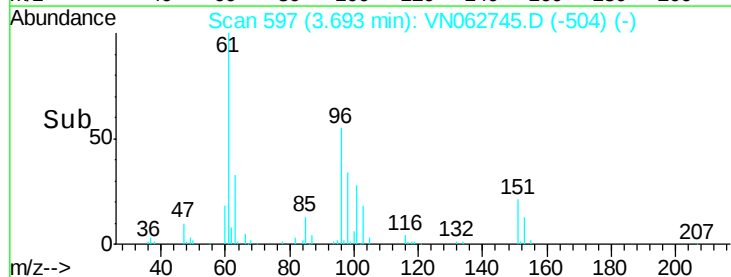
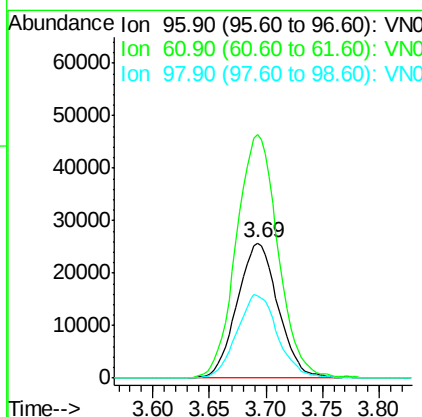
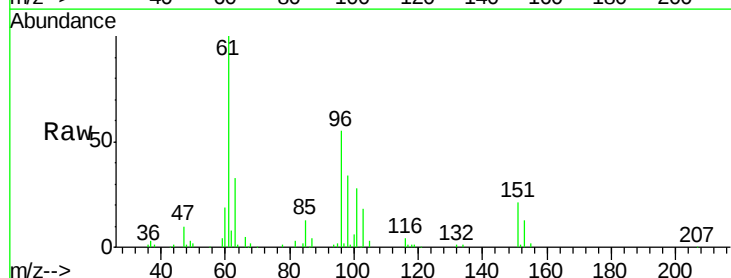
Tot Ion: 59 Resp: 72942
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

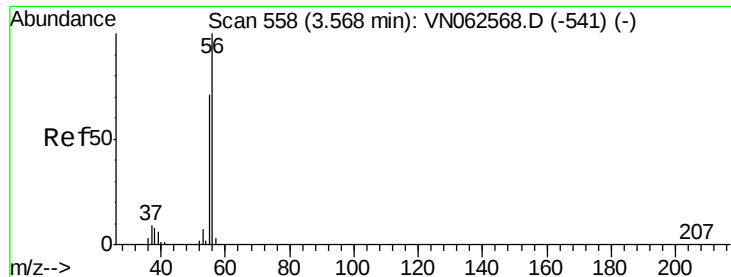


#12

1,1-Dichloroethene
 Concen: 41.965 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 96 Resp: 64913
 Ion Ratio Lower Upper
 96 100
 61 180.2 148.6 222.8
 98 61.1 50.6 75.8





#13

Acrolein

Concen: 148.445 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

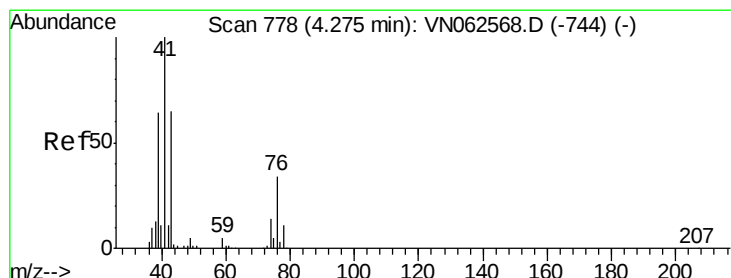
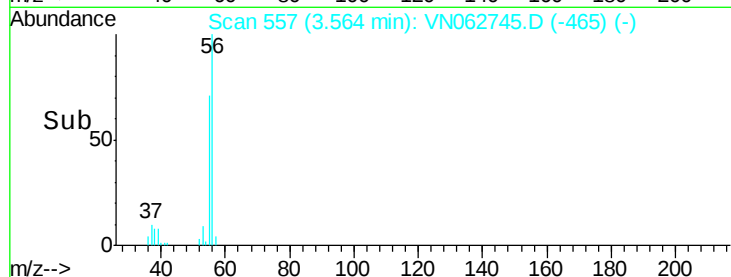
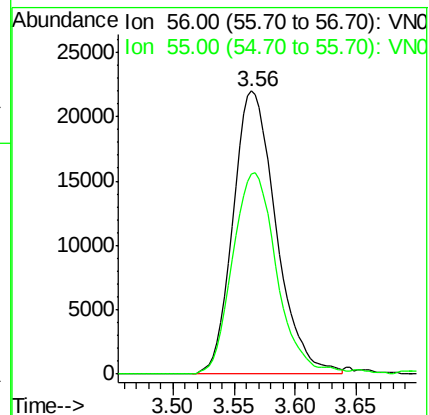
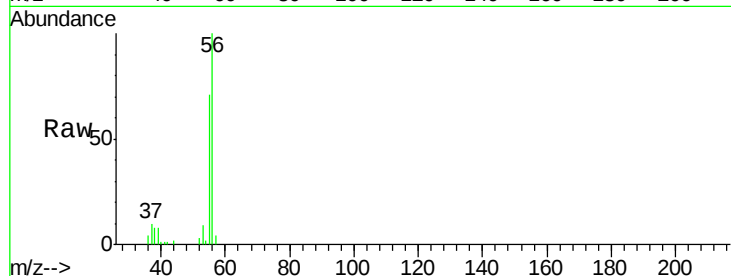
VSTDCCC050EC

Tot Ion: 56 Resp: 53947

Ion Ratio Lower Upper

56 100

55 72.7 57.0 85.4



#14

Allyl chloride

Concen: 36.056 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

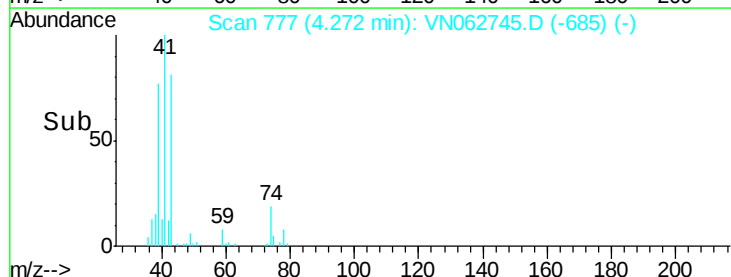
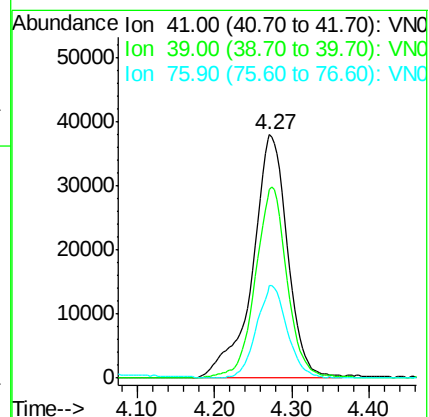
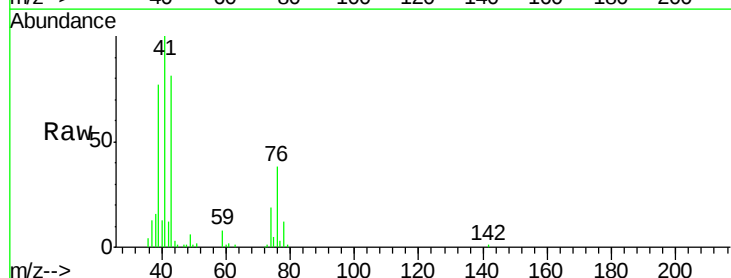
Tgt Ion: 41 Resp: 120644

Ion Ratio Lower Upper

41 100

39 70.7 49.0 73.4

76 33.3 24.0 36.0





#15

Acrylonitrile

Concen: 203.579 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

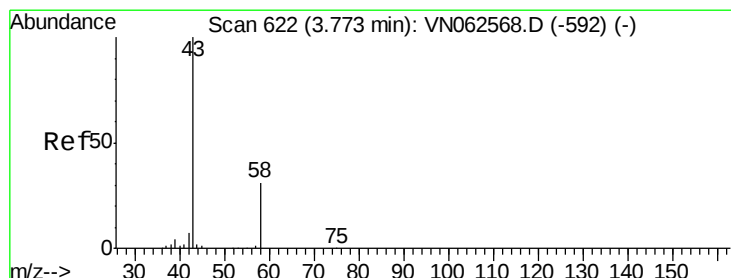
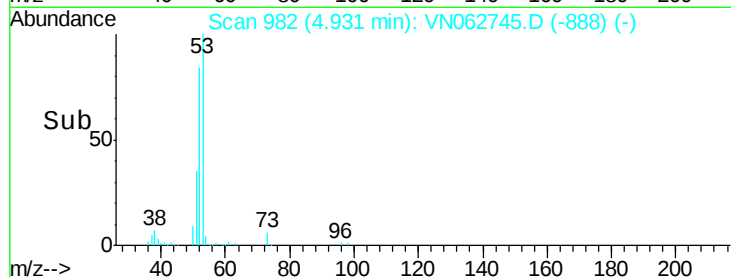
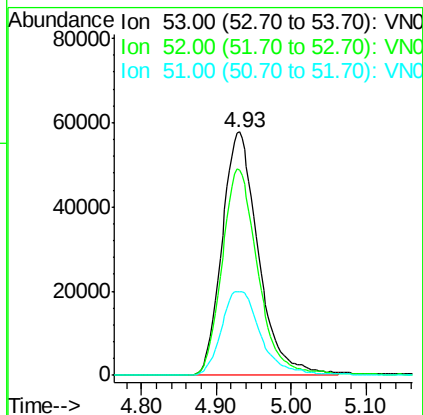
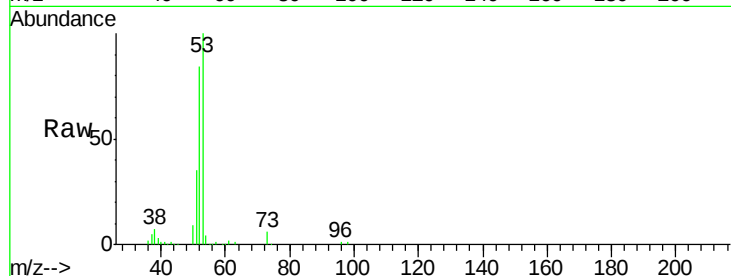
Tot Ion: 53 Resp: 194669

Ion Ratio Lower Upper

53 100

52 82.6 66.3 99.5

51 37.4 28.6 43.0



#16

Acetone

Concen: 192.204 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062745.D

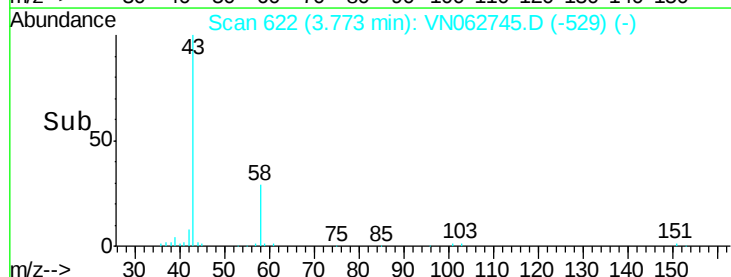
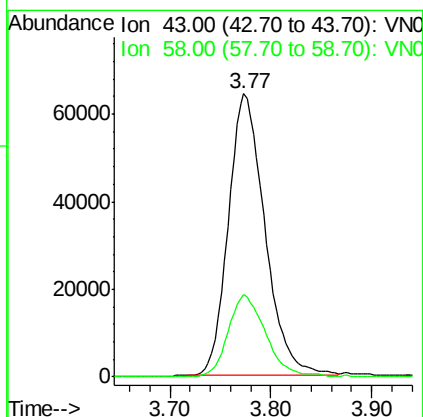
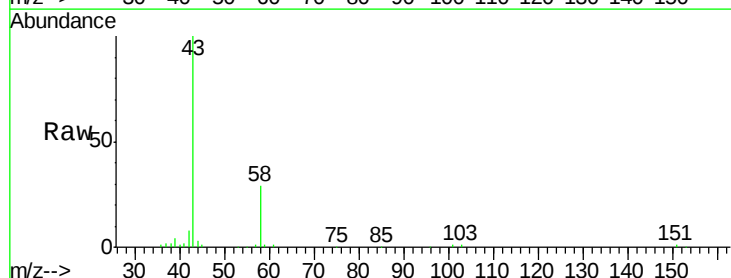
Acq: 3 Aug 2020 19:02

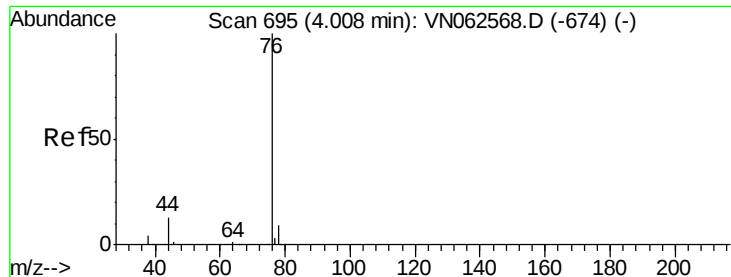
Tgt Ion: 43 Resp: 162318

Ion Ratio Lower Upper

43 100

58 29.2 24.6 37.0

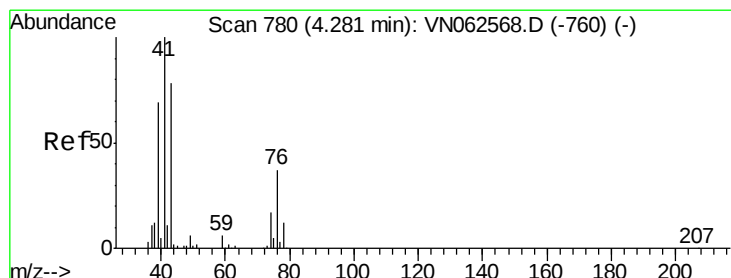
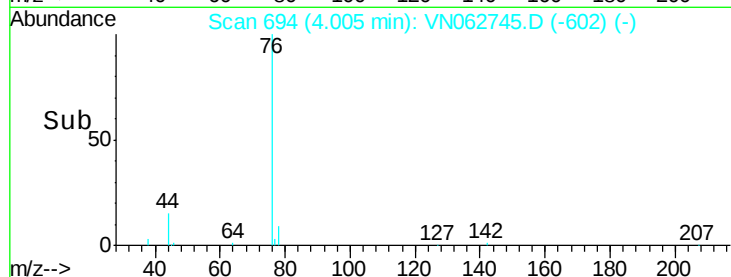
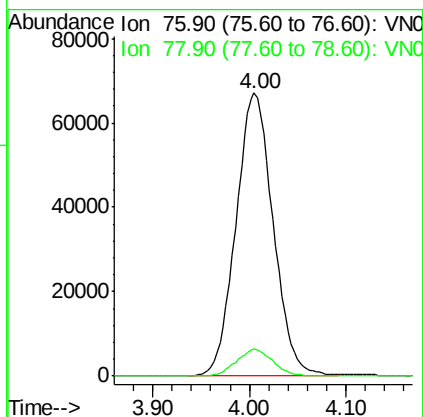
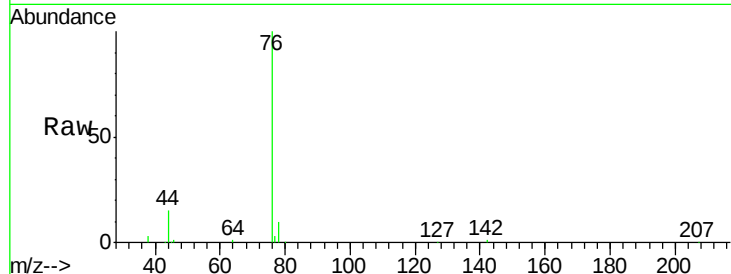




#17
Carbon Disulfide
Concen: 35.268 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

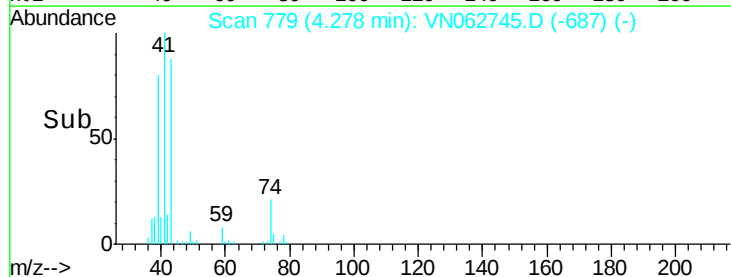
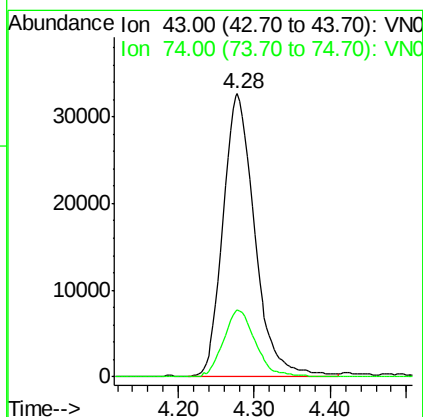
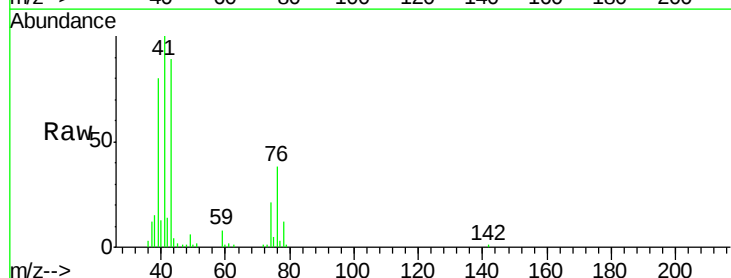
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

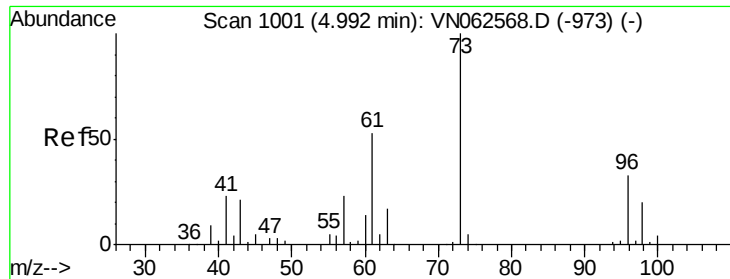
Tot Ion: 76 Resp: 179249
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 44.622 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 43 Resp: 95398
Ion Ratio Lower Upper
43 100
74 23.7 16.6 24.8

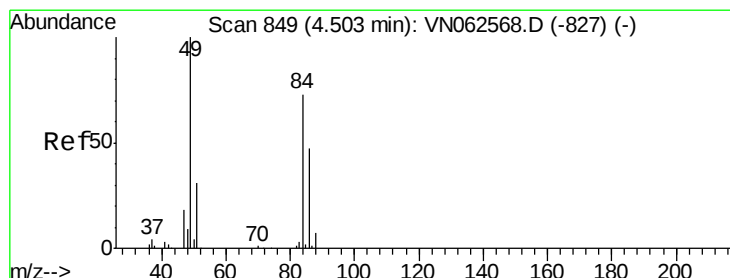
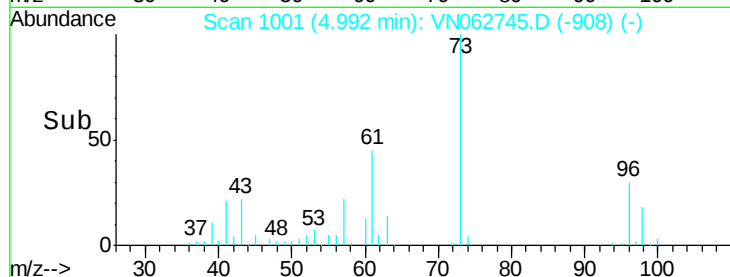
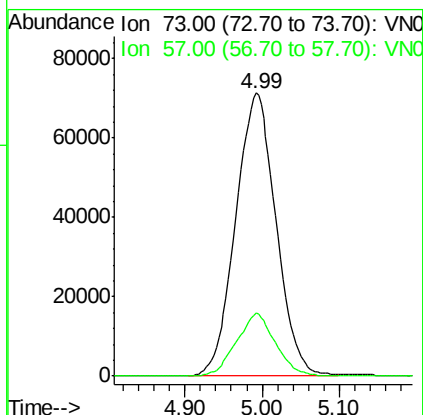
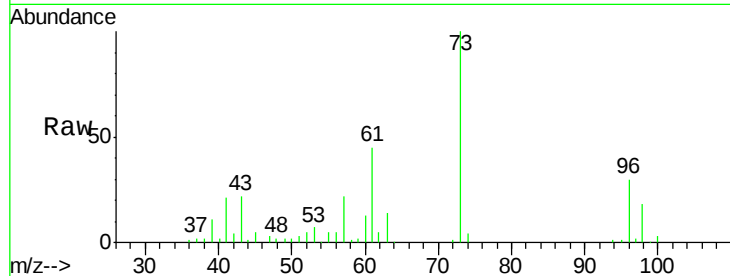




#19
Methvl tert-butvl Ether
Concen: 45.536 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

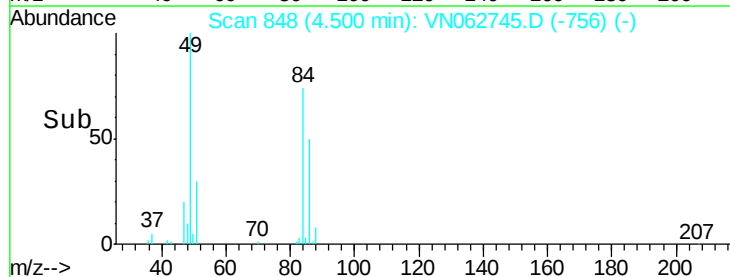
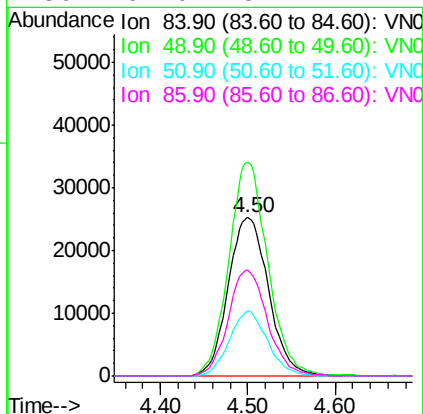
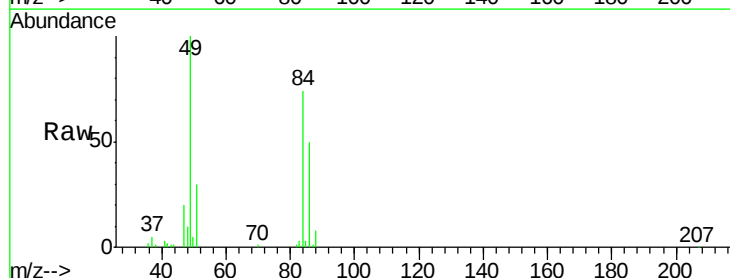
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

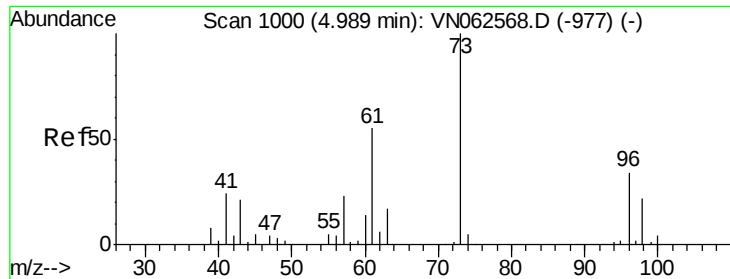
Tot Ion: 73 Resp: 259254
Ion Ratio Lower Upper
73 100
57 22.2 18.6 27.8



#20
Methylene Chloride
Concen: 39.938 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 84 Resp: 80893
Ion Ratio Lower Upper
84 100
49 135.0 109.4 164.0
51 41.1 33.6 50.4
86 67.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 41.286 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

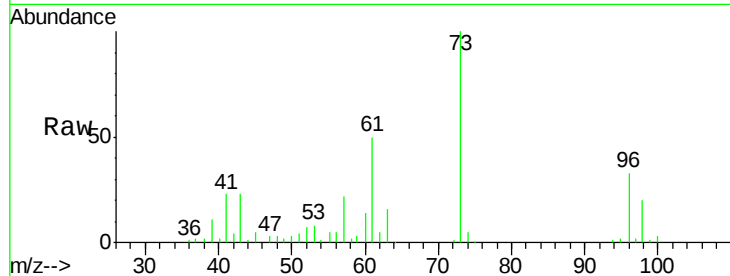
Tot Ion: 96 Resp: 70880

Ion Ratio Lower Upper

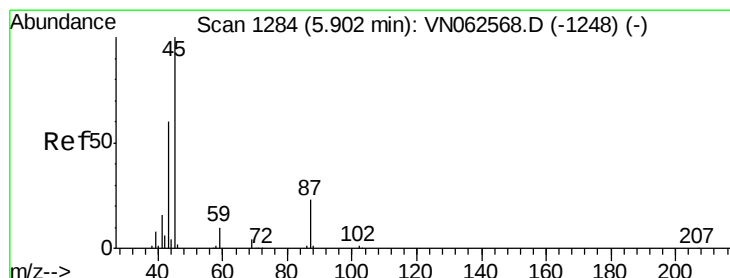
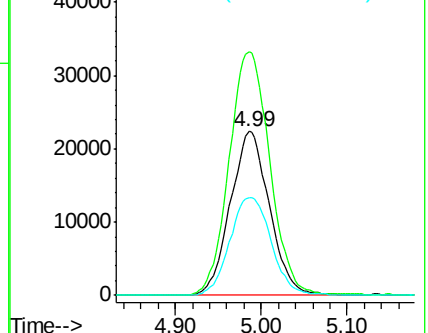
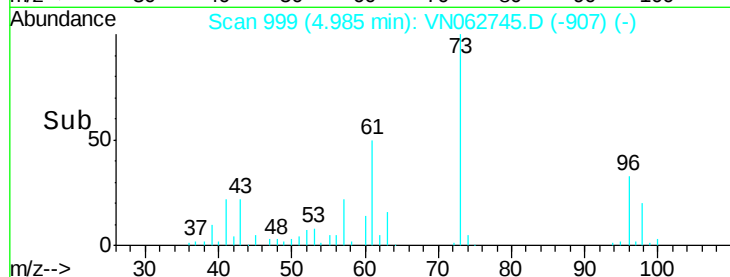
96 100

61 148.4 128.6 192.8

98 59.9 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN062745.D (-907) (-)



#22

Diisopropyl ether

Concen: 38.788 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Tgt Ion: 45 Resp: 257977

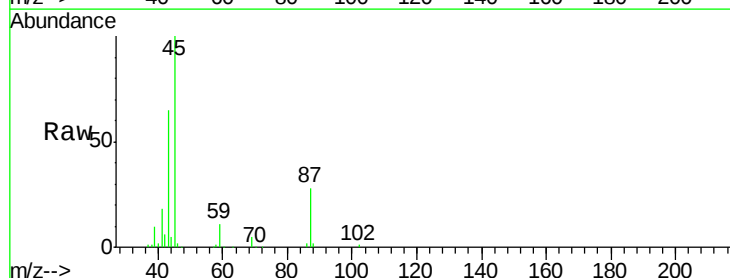
Ion Ratio Lower Upper

45 100

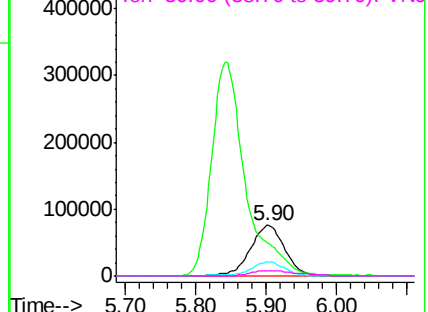
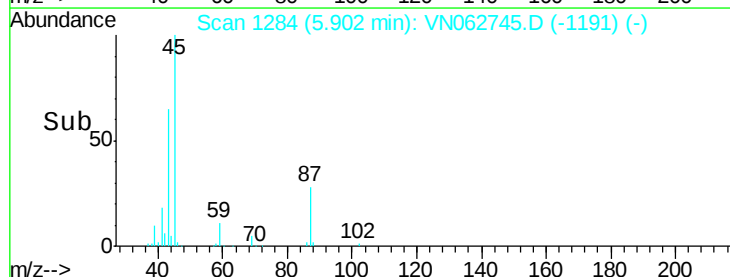
43 63.6 48.7 73.1

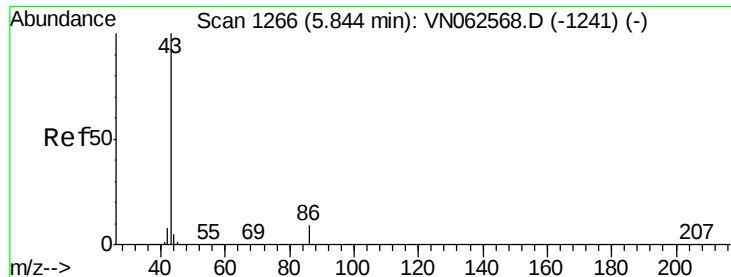
87 27.9 19.0 28.6

59 10.5 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN062745.D (-1191) (-)

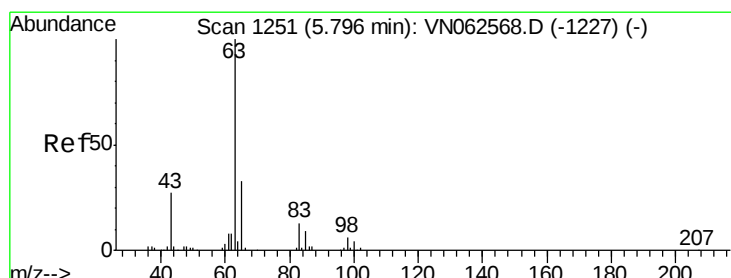
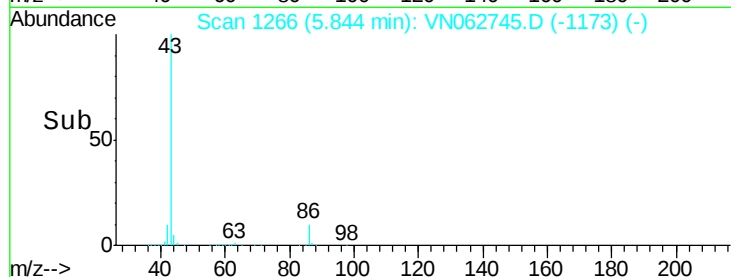
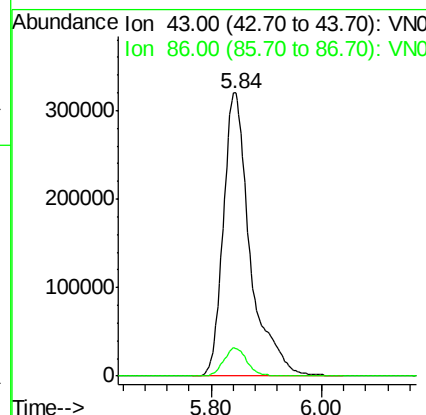
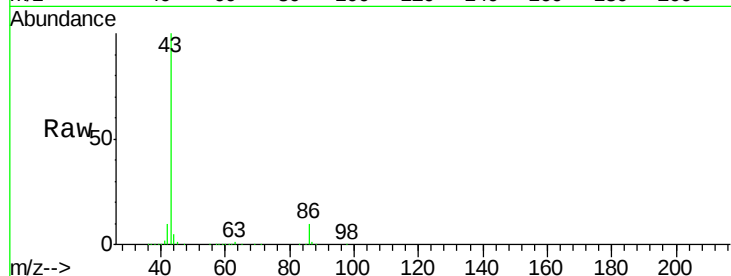




#23
 Vinyl Acetate
 Concen: 197.850 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

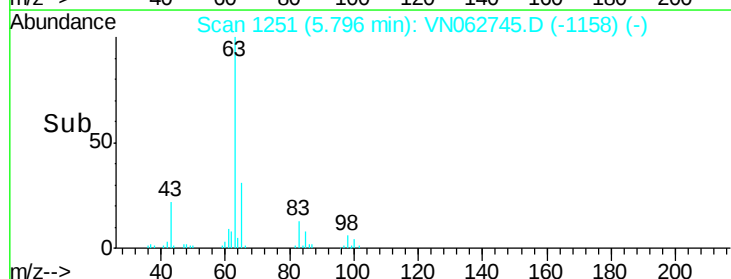
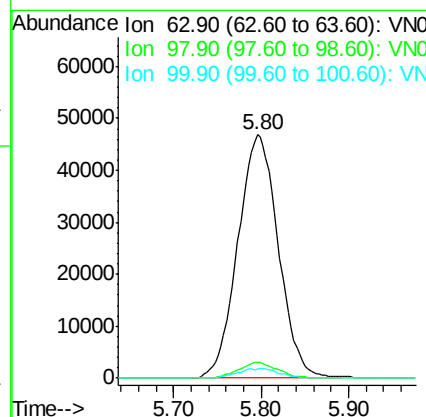
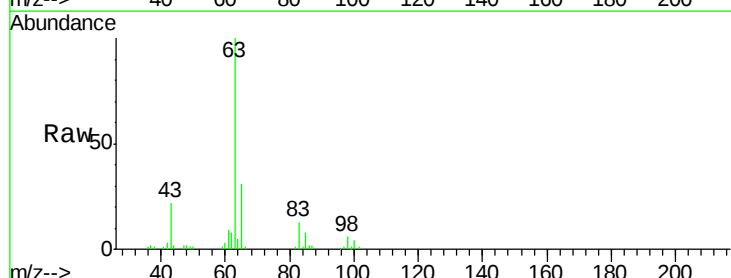
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

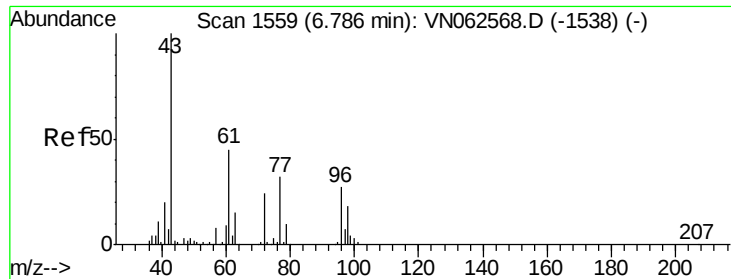
Tot Ion: 43 Resp: 1078217
 Ion Ratio Lower Upper
 43 100
 86 9.8 6.9 10.3



#24
 1,1-Dichloroethane
 Concen: 41.939 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 63 Resp: 150206
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 3.6 1.8 5.4





#25

2-Butanone

Concen: 196.505 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

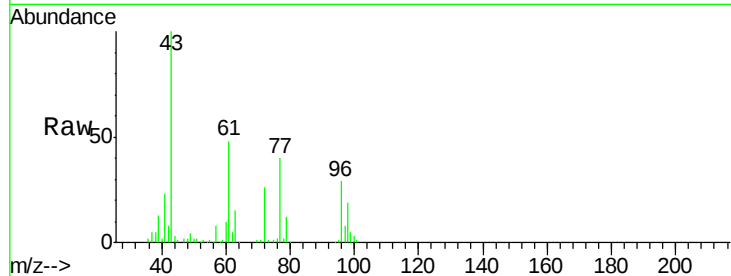
VSTDCCC050EC

Tot Ion: 43 Resp: 252737

Ion Ratio Lower Upper

43 100

72 25.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN062568.D (-1538) (-)

6.79

80000

60000

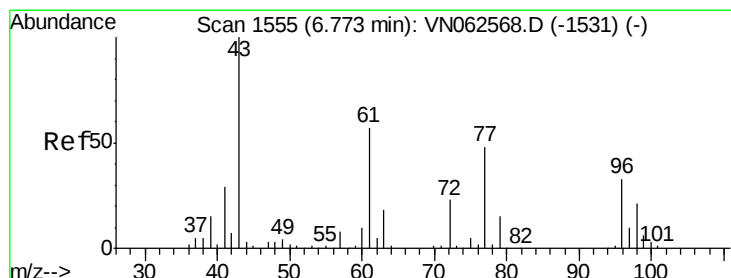
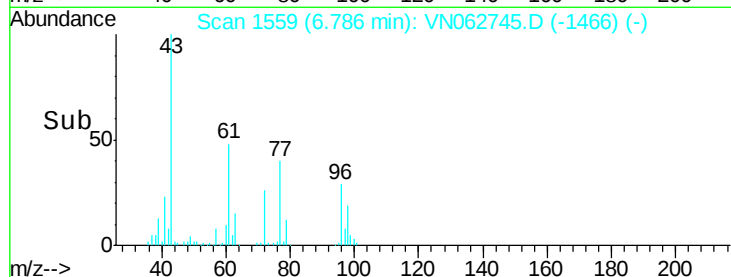
40000

20000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 44.001 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062745.D

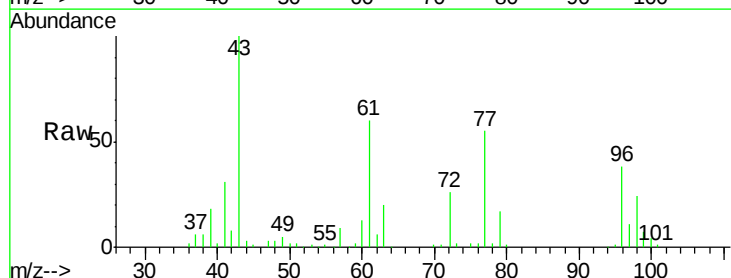
Acq: 3 Aug 2020 19:02

Tgt Ion: 77 Resp: 129368

Ion Ratio Lower Upper

77 100

97 20.5 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VN062568.D (-1531) (-)

Ion 96.90 (96.60 to 97.60): VN062568.D (-1531) (-)

6.78

40000

30000

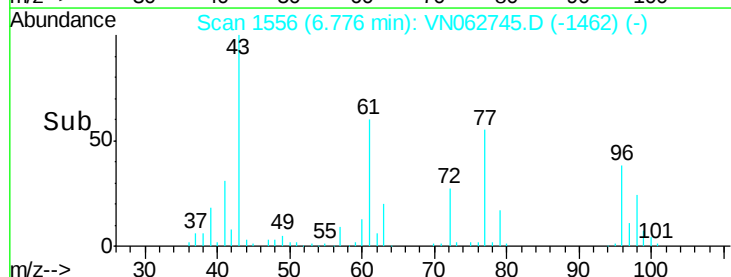
20000

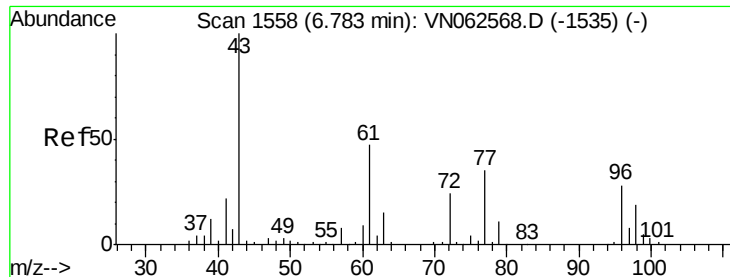
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 41.649 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

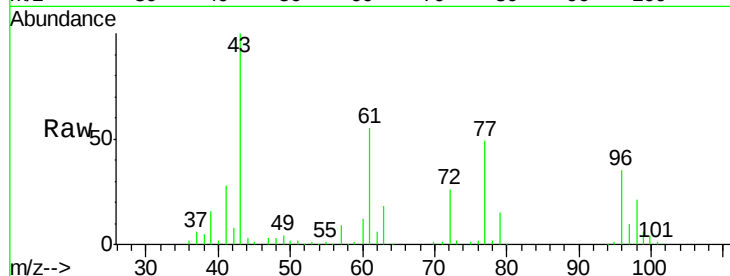
Tot Ion: 96 Resp: 81593

Ion Ratio Lower Upper

96 100

61 164.5 0.0 332.4

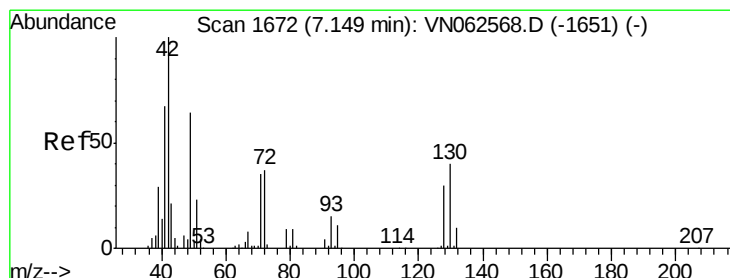
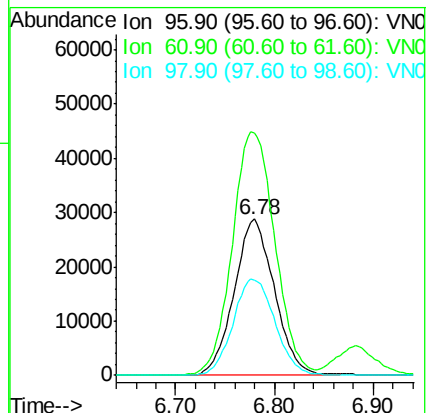
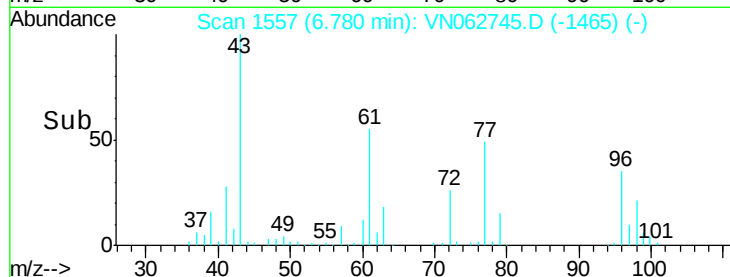
98 63.9 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN062745.D (-1465) (-)

Ion 60.90 (60.60 to 61.60): VN062745.D (-1465) (-)

Ion 97.90 (97.60 to 98.60): VN062745.D (-1465) (-)



#28

Bromochloromethane

Concen: 39.774 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

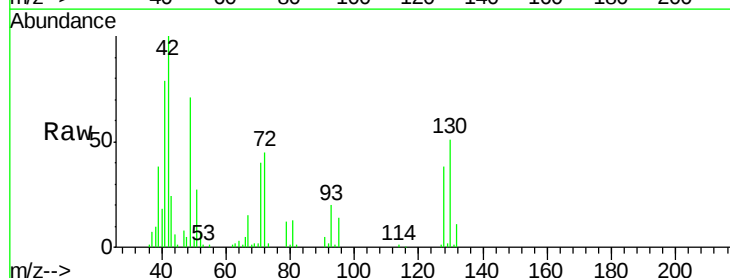
Tgt Ion: 49 Resp: 70105

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

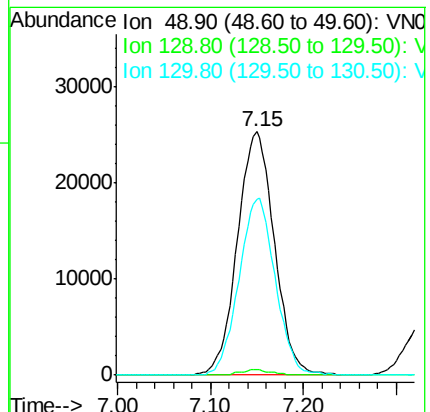
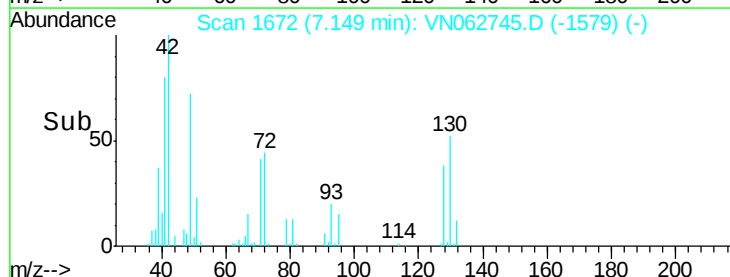
130 71.1 49.8 74.8

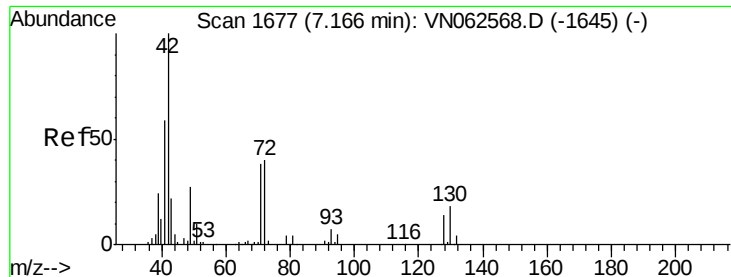


Abundance Ion 48.90 (48.60 to 49.60): VN062745.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062745.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062745.D (-1579) (-)

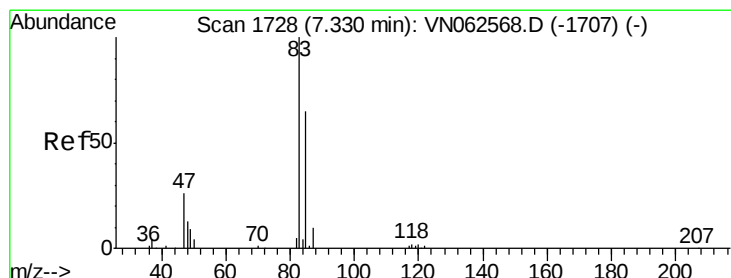
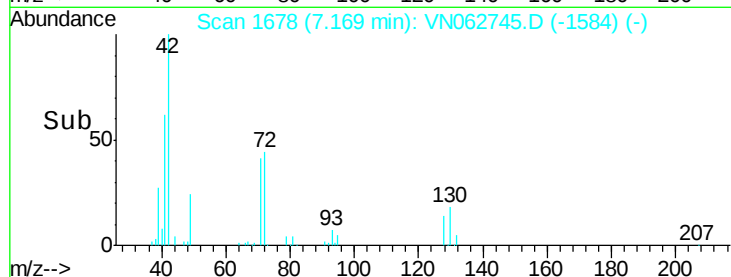
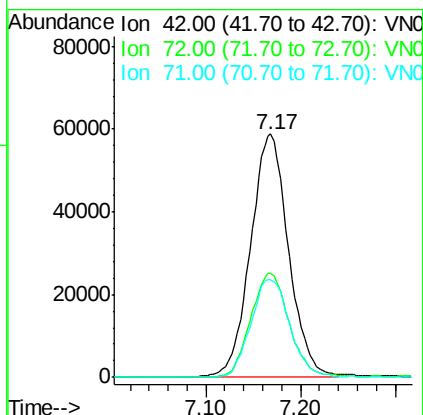
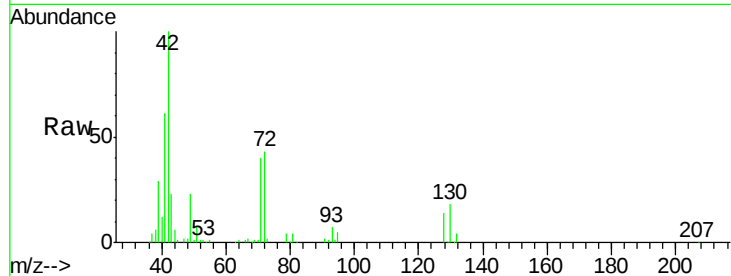




#29
Tetrahydrofuran
Concen: 188.651 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

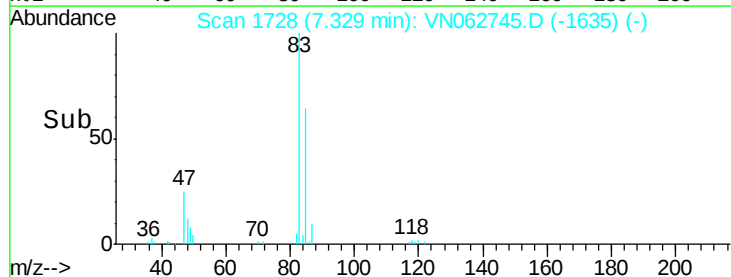
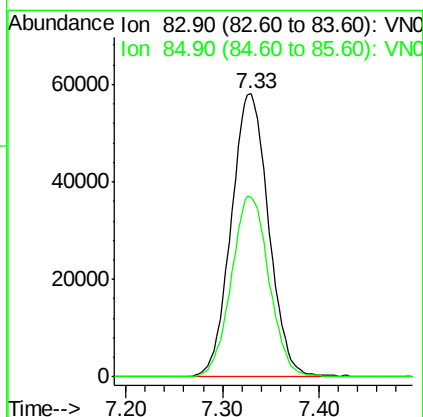
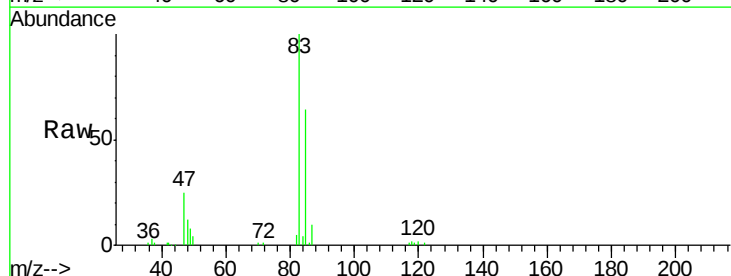
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

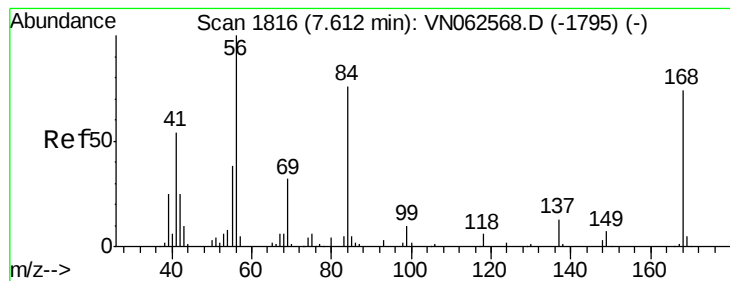
Tot Ion: 42 Resp: 164181
Ion Ratio Lower Upper
42 100
72 43.5 30.7 46.1
71 41.1 29.1 43.7



#30
Chloroform
Concen: 45.786 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 83 Resp: 155914
Ion Ratio Lower Upper
83 100
85 63.6 52.0 78.0





#31

Cyclohexane

Concen: 35.186 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

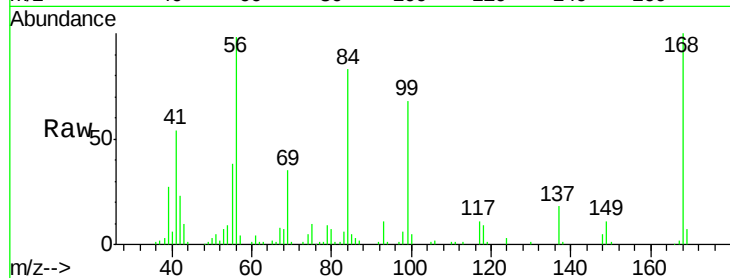
Tot Ion: 56 Resp: 116352

Ion Ratio Lower Upper

56 100

69 35.0 25.3 37.9

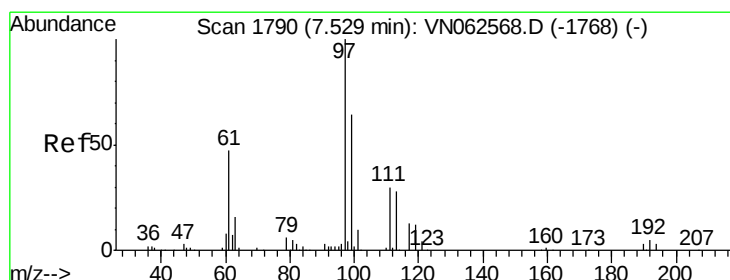
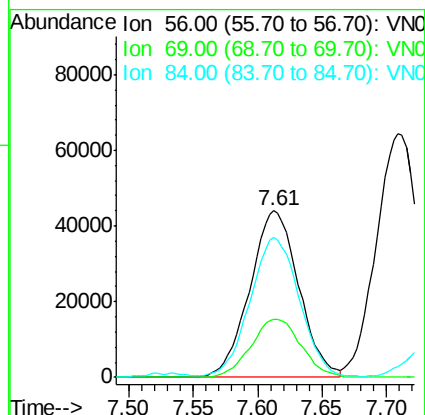
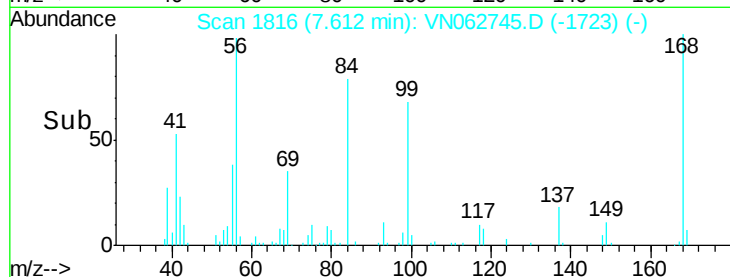
84 83.0 61.0 91.4



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: 50.734 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

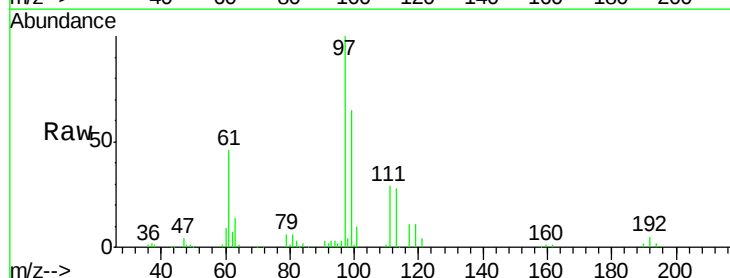
Tgt Ion: 97 Resp: 144240

Ion Ratio Lower Upper

97 100

99 62.9 51.2 76.8

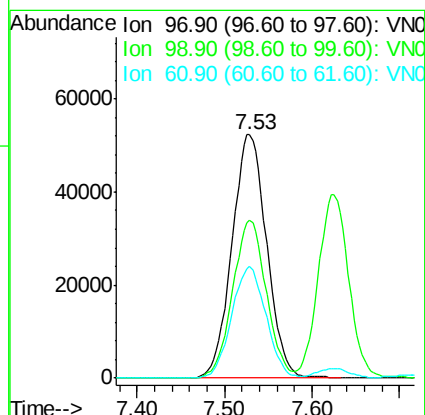
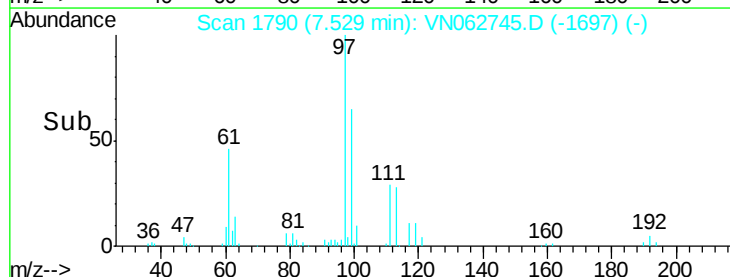
61 45.1 38.4 57.6

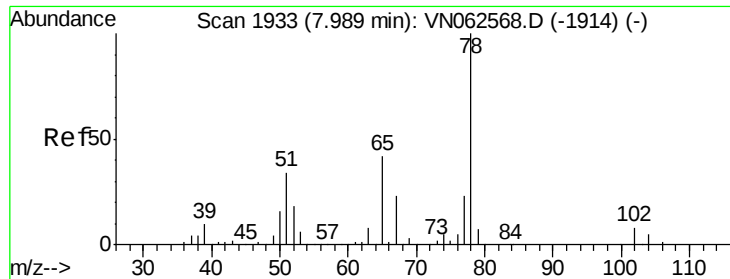


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

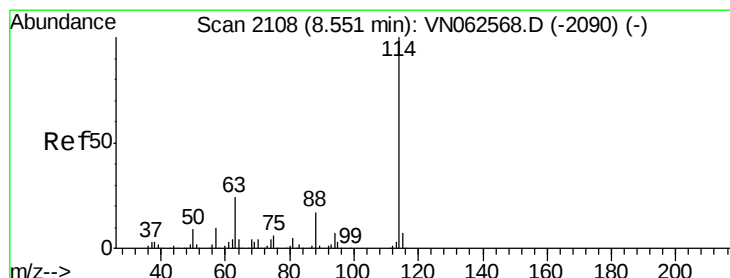
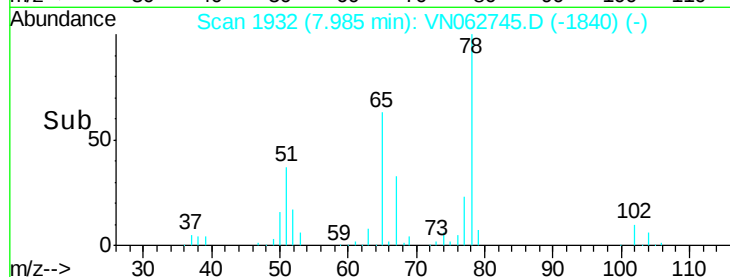
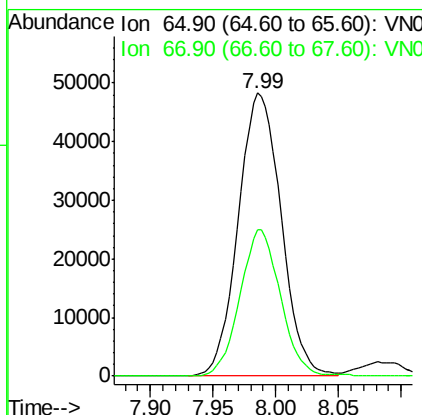
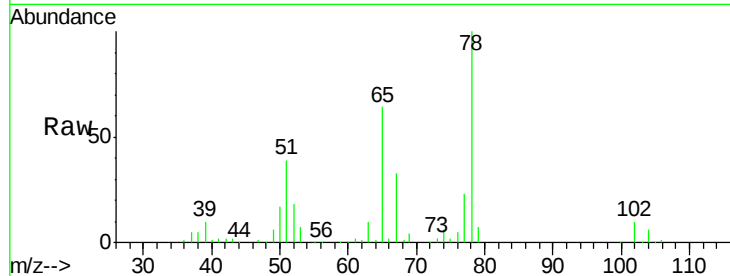




#33
 1,2-Dichloroethane-d4
 Concen: 51.188 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

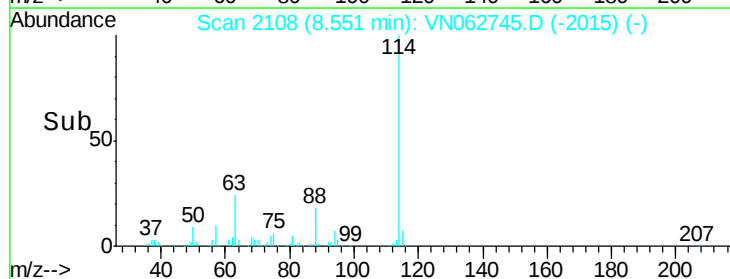
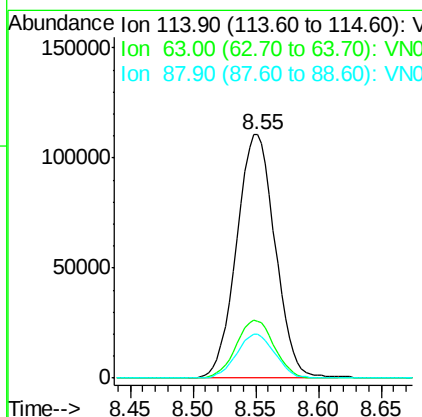
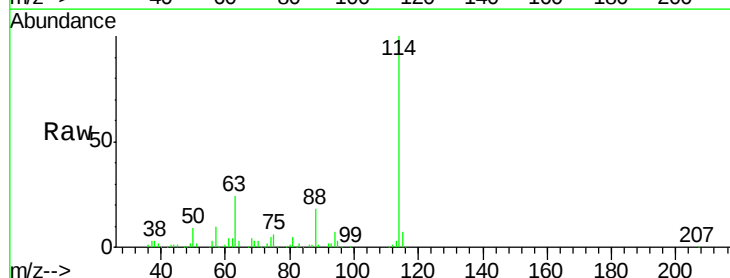
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

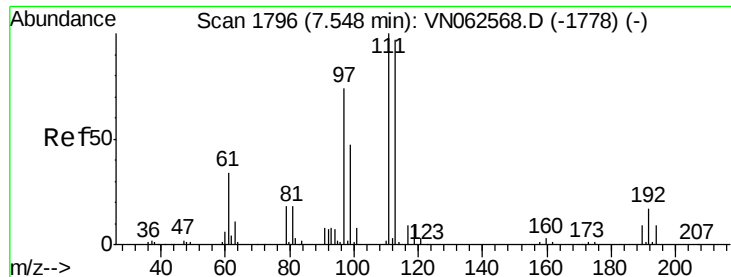
Tot Ion: 65 Resp: 114876
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion:114 Resp: 236682
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.4
 88 18.0 0.0 33.8

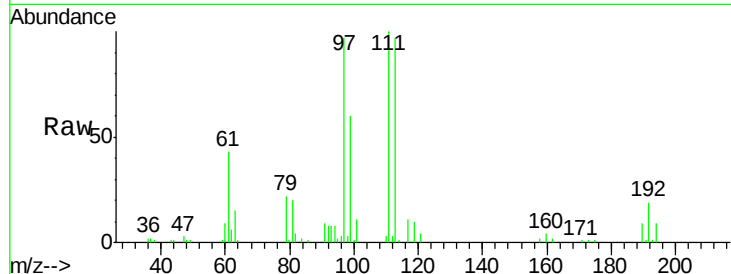




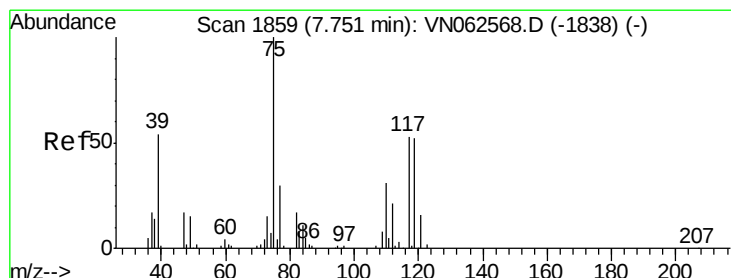
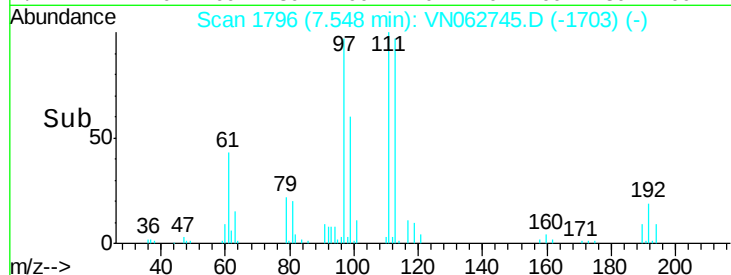
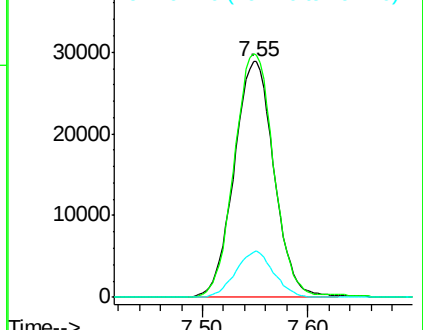
#35
 Dibromofluoromethane
 Concen: 48.786 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 75845
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 18.7 14.8 22.2

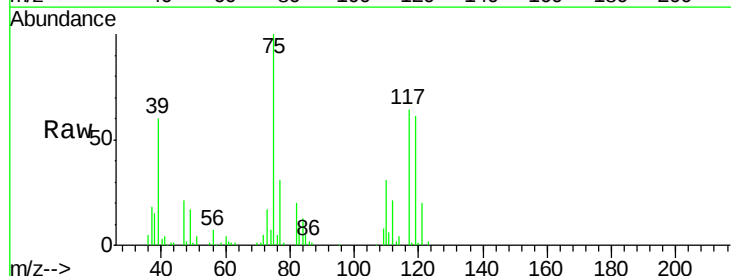


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

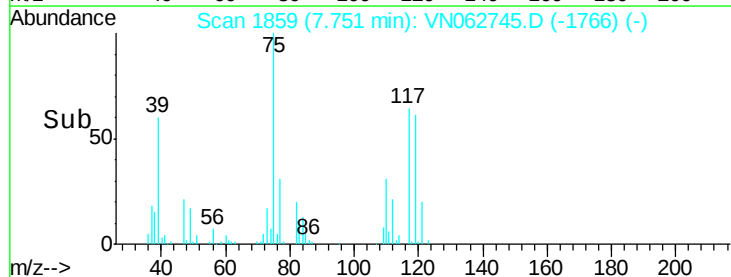
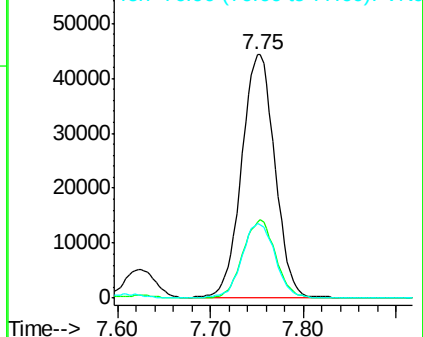


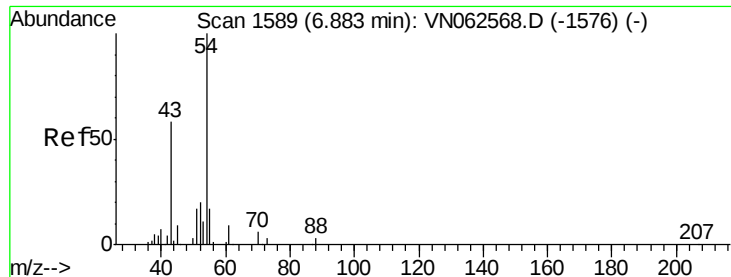
#36
 1,1-Dichloropropene
 Concen: 43.865 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 75 Resp: 110661
 Ion Ratio Lower Upper
 75 100
 110 31.3 16.0 48.0
 77 30.6 24.6 36.8



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

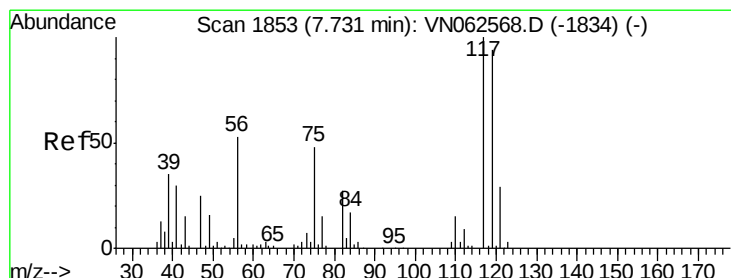
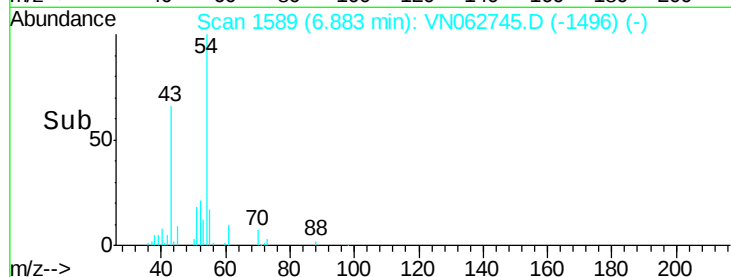
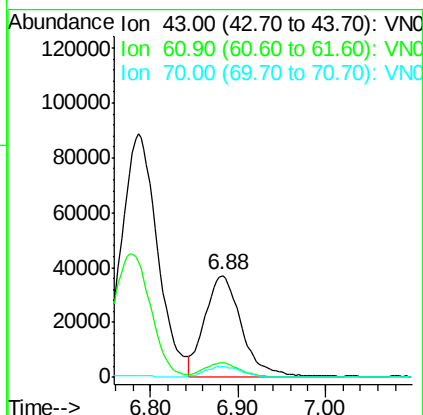
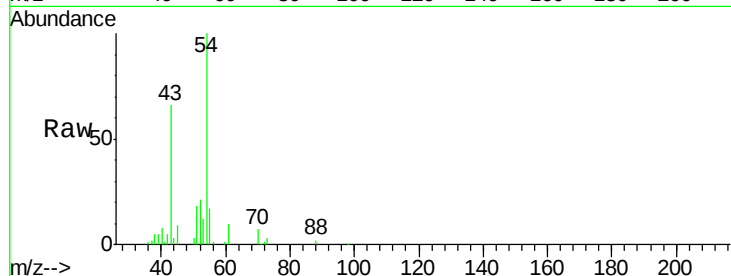




#37
Ethyl Acetate
Concen: 39.567 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

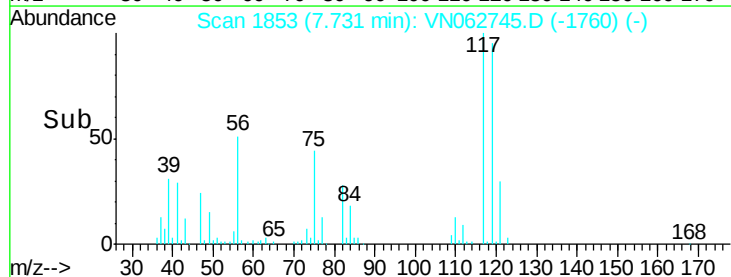
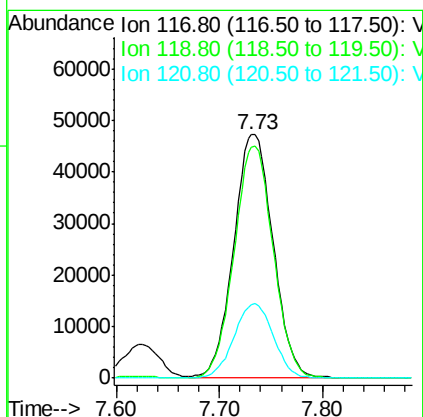
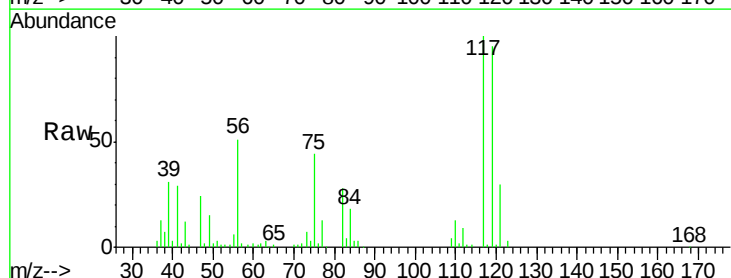
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

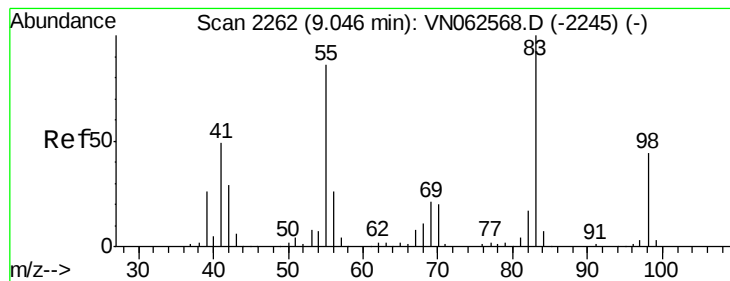
Tot Ion: 43 Resp: 107600
Ion Ratio Lower Upper
43 100
61 13.2 11.3 16.9
70 10.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 51.821 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 117 Resp: 125662
Ion Ratio Lower Upper
117 100
119 95.0 74.8 112.2
121 30.3 23.0 34.6





#39

Methvlcvclohexane

Concen: 42.754 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

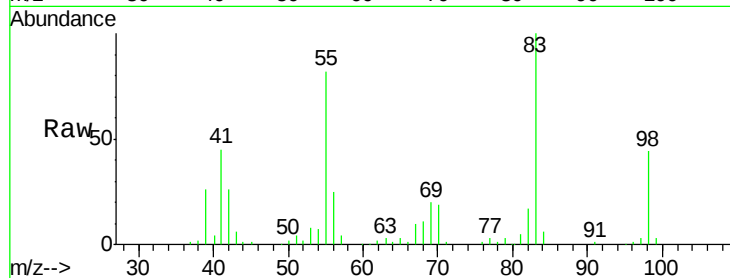
Tot Ion: 83 Resp: 116105

Ion Ratio Lower Upper

83 100

55 82.3 68.9 103.3

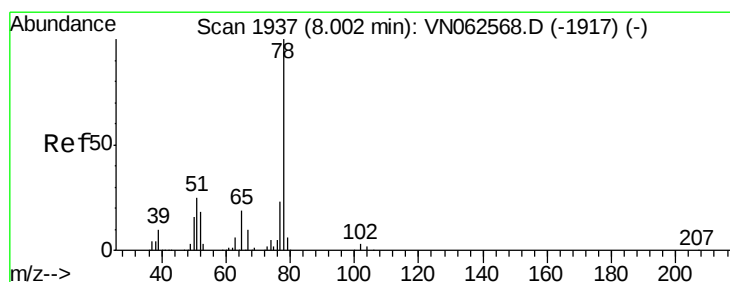
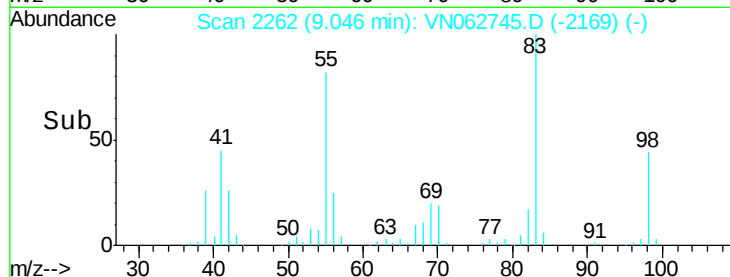
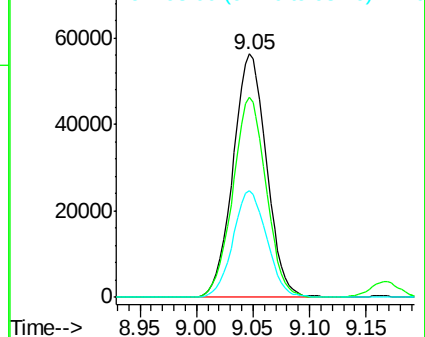
98 43.9 35.1 52.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 41.752 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062745.D

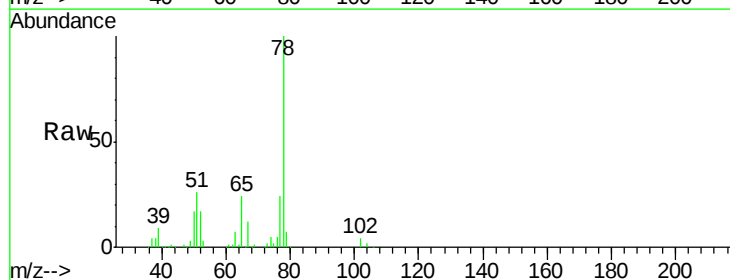
Acq: 3 Aug 2020 19:02

Tgt Ion: 78 Resp: 318886

Ion Ratio Lower Upper

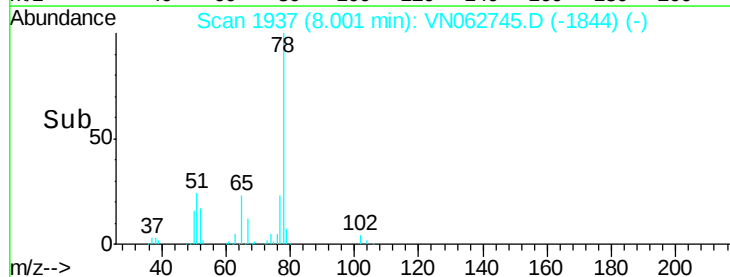
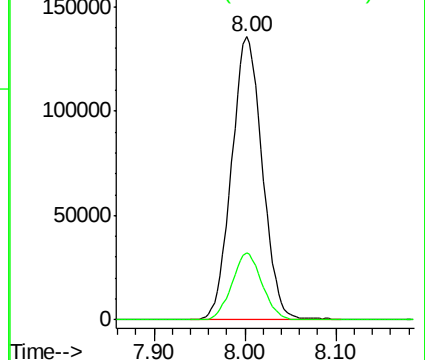
78 100

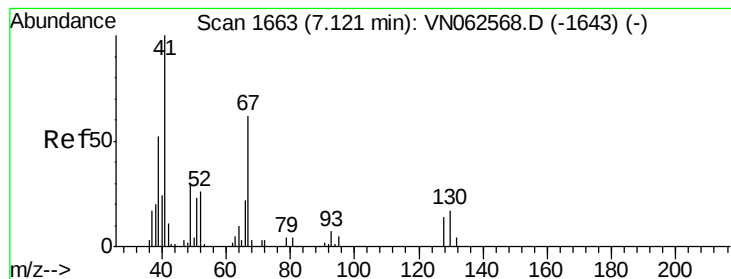
77 23.6 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 133.852 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.05 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 156003

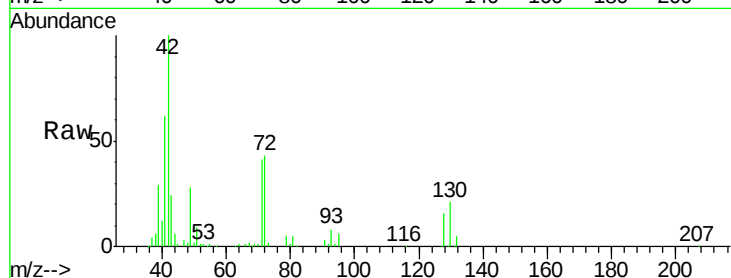
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 72.5 108.7#

52 0.0 31.8 47.8#

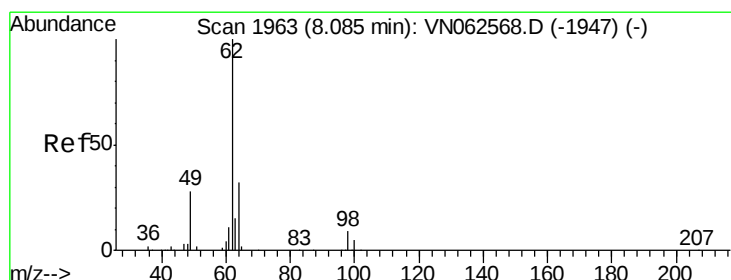
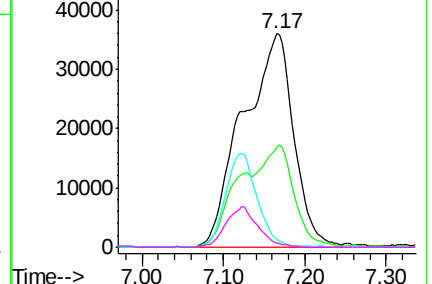
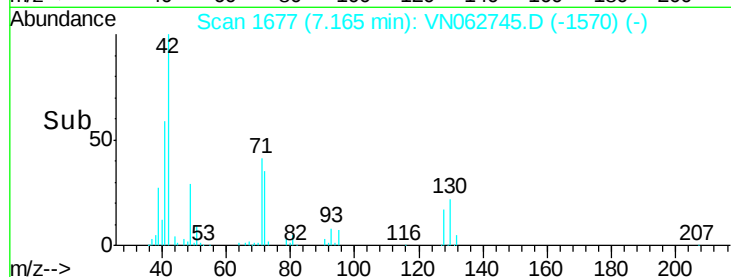


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 49.479 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VN062745.D

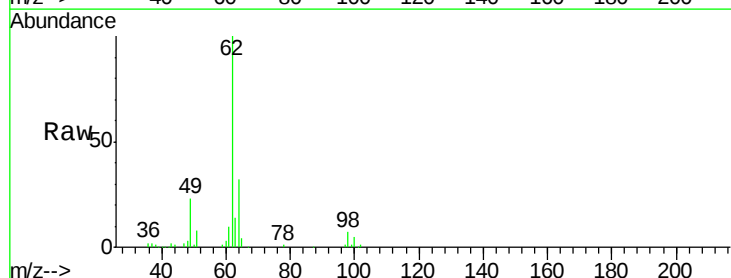
Acq: 3 Aug 2020 19:02

Tgt Ion: 62 Resp: 138159

Ion Ratio Lower Upper

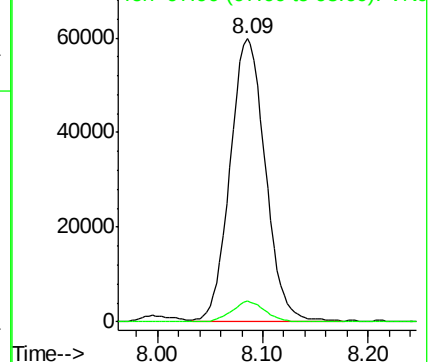
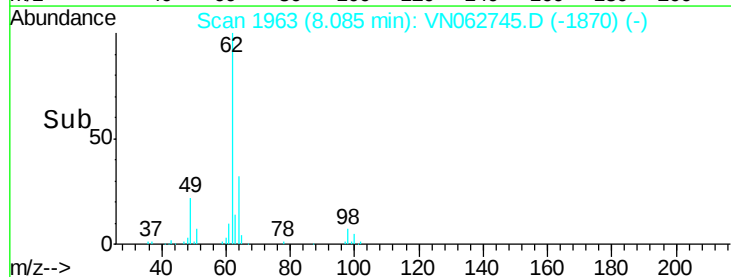
62 100

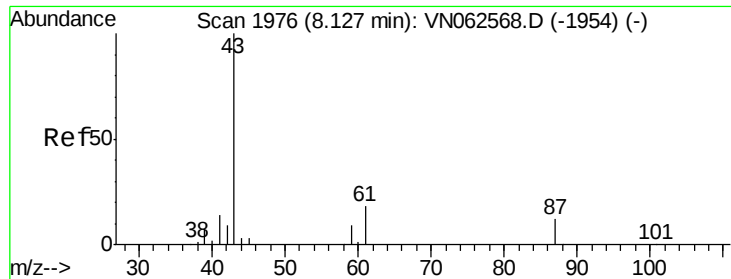
98 7.0 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 41.490 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

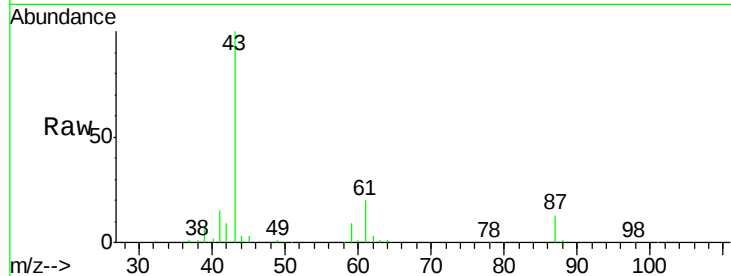
Tot Ion: 43 Resp: 181886

Ion Ratio Lower Upper

43 100

61 20.3 20.8 31.2#

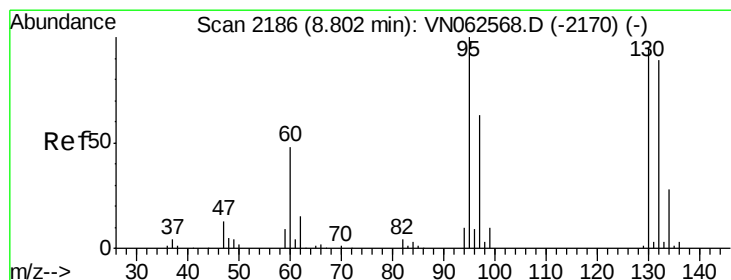
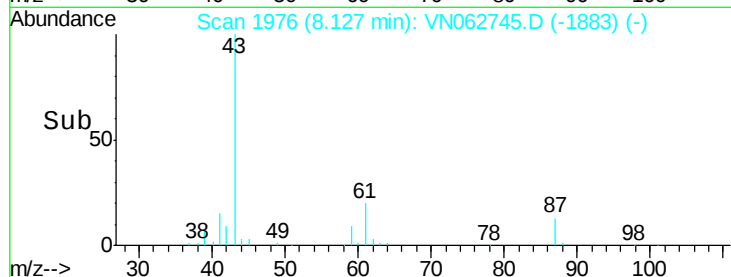
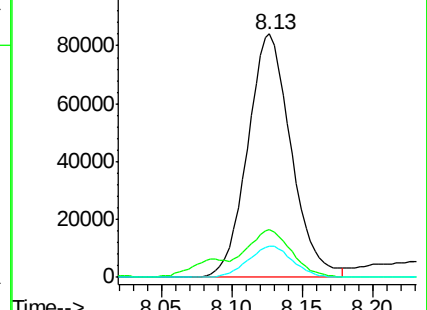
87 13.0 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062745.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062745.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062745.D (-1883) (-)



#44

Trichloroethene

Concen: 43.824 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062745.D

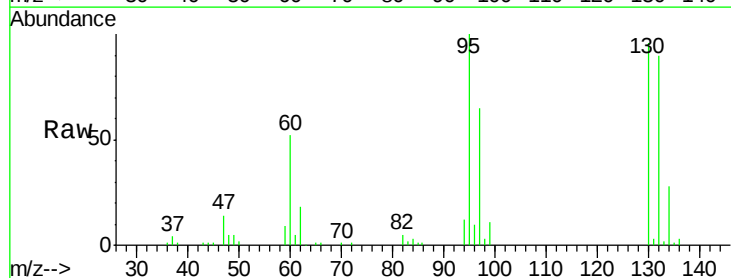
Acq: 3 Aug 2020 19:02

Tgt Ion:130 Resp: 75481

Ion Ratio Lower Upper

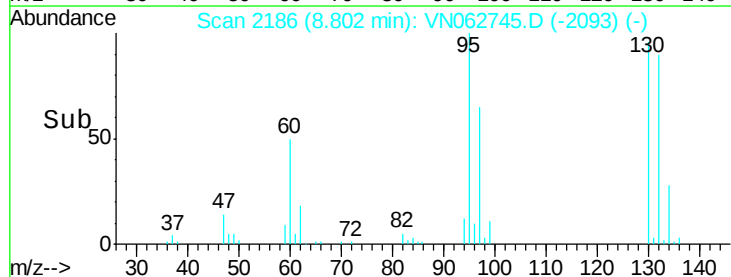
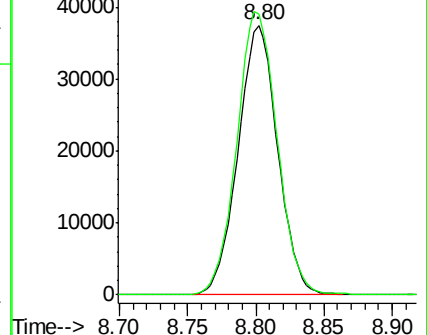
130 100

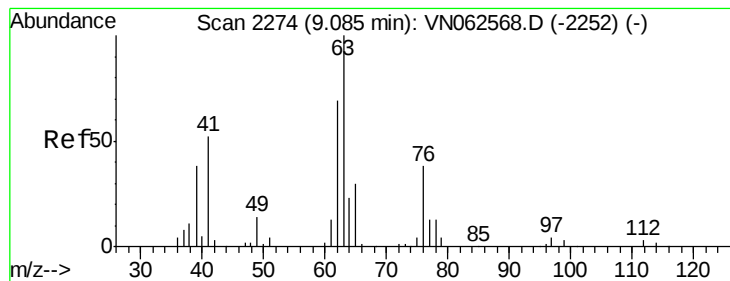
95 104.2 0.0 210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062745.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062745.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 40.330 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

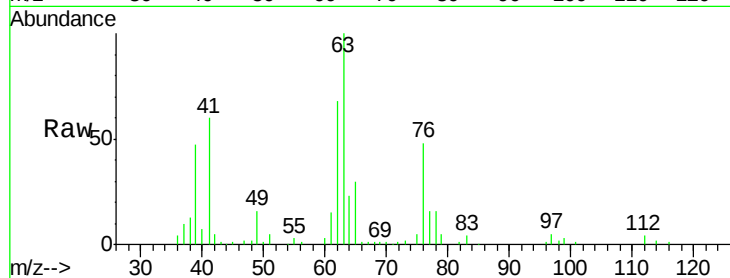
VSTDCCC050EC

Tot Ion: 63 Resp: 86483

Ion Ratio Lower Upper

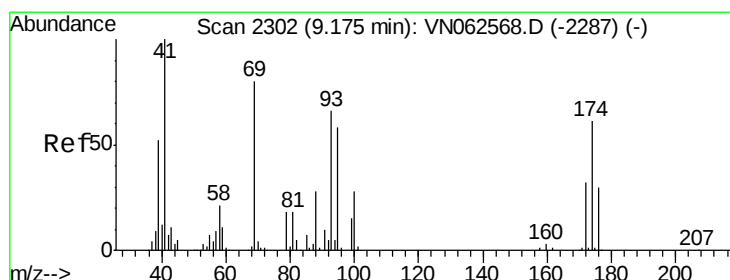
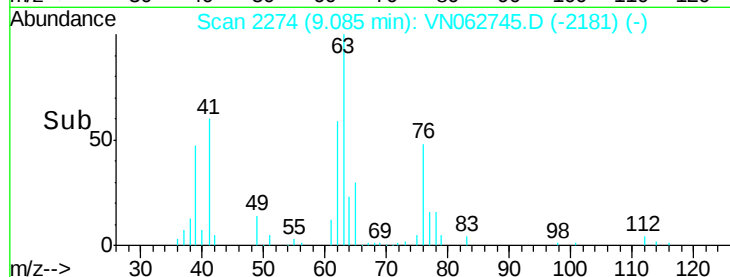
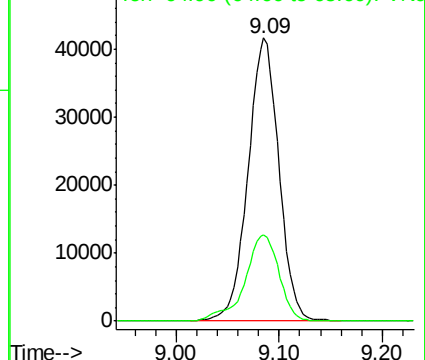
63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN062745.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062745.D (-2181) (-)



#46

Dibromomethane

Concen: 46.700 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

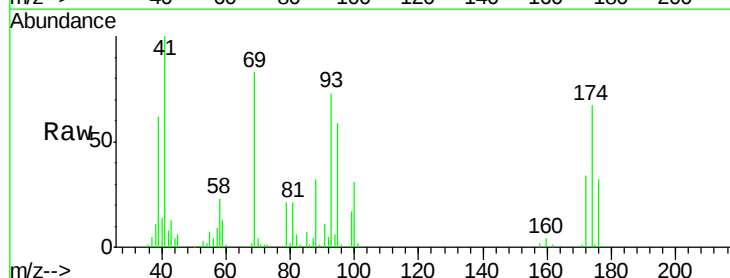
Tgt Ion: 93 Resp: 57880

Ion Ratio Lower Upper

93 100

95 80.0 67.6 101.4

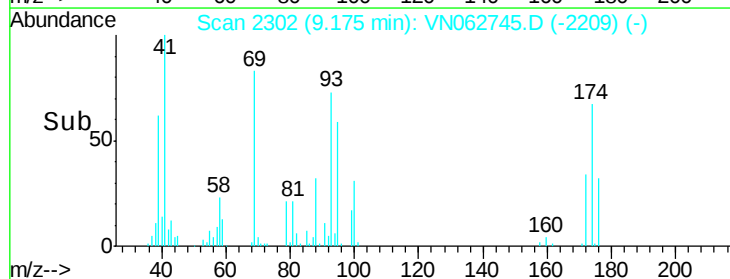
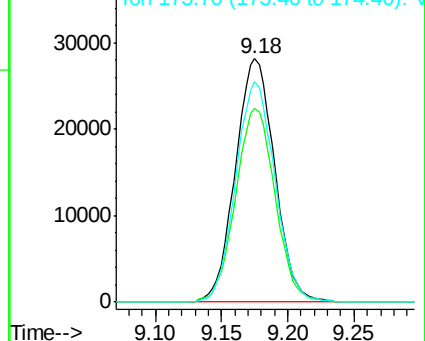
174 90.8 72.5 108.7

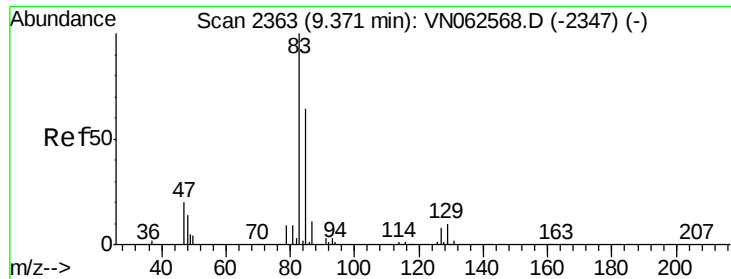


Abundance Ion 92.80 (92.50 to 93.50): VN062745.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN062745.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN062745.D (-2209) (-)

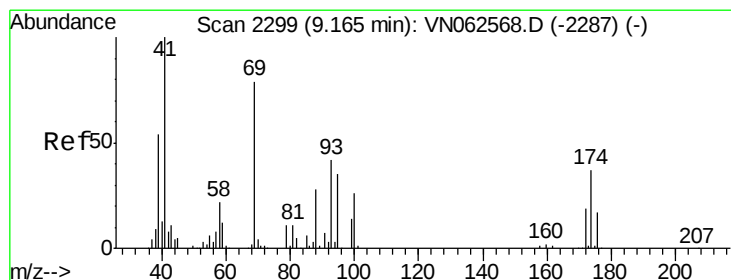
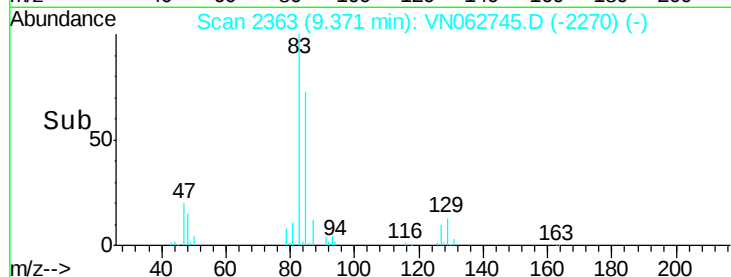
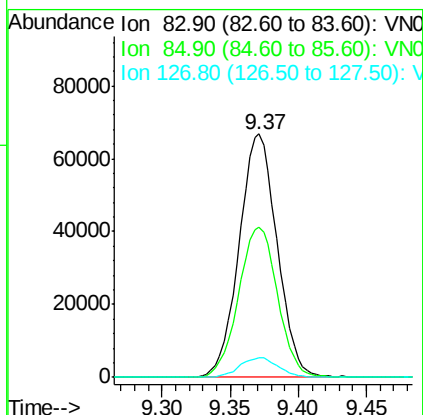
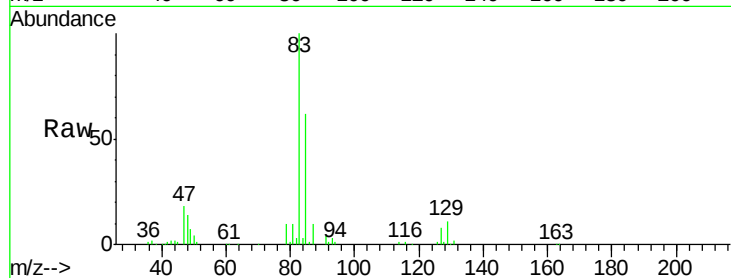




#47
Bromodichloromethane
Concen: 48.101 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

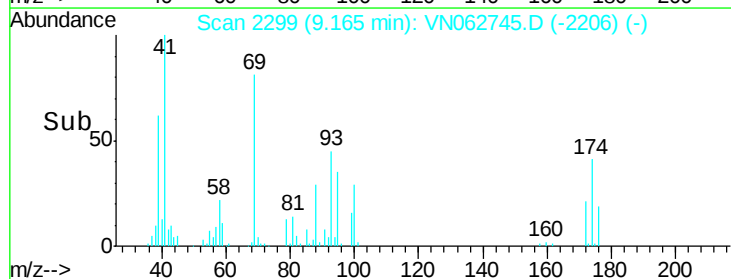
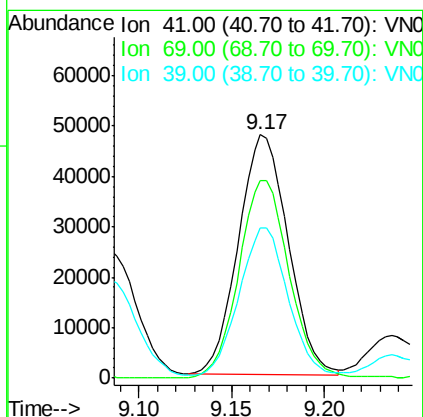
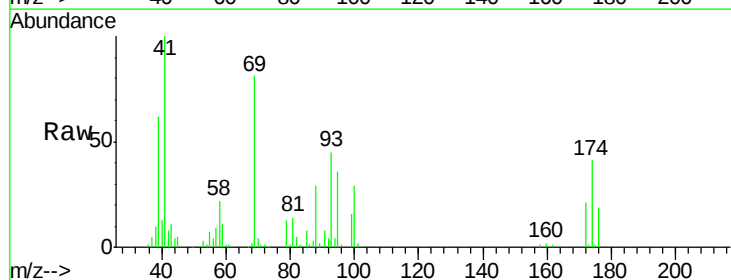
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 129158
Ion Ratio Lower Upper
83 100
85 61.8 51.6 77.4
127 8.2 6.2 9.2



#48
Methyl methacrylate
Concen: 42.838 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 41 Resp: 89272
Ion Ratio Lower Upper
41 100
69 83.4 64.4 96.6
39 62.0 43.5 65.3

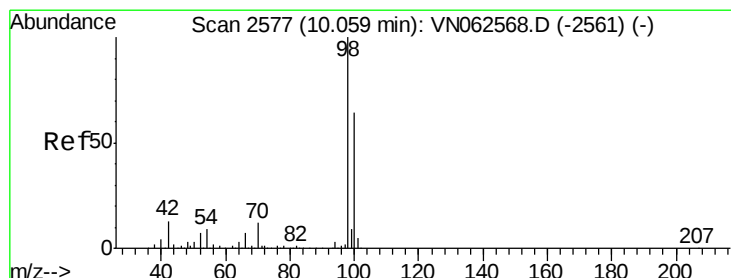
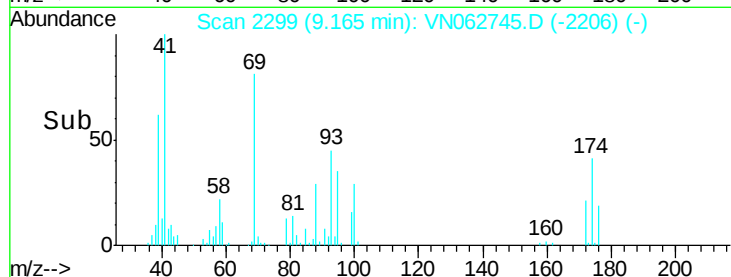
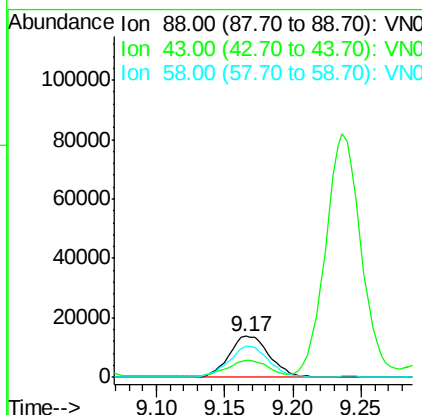
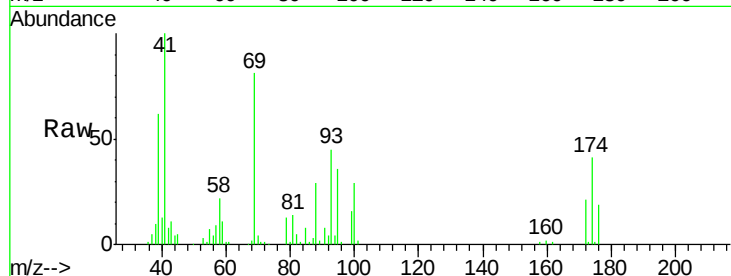




#49
 1,4-Dioxane
 Concen: 901.891 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

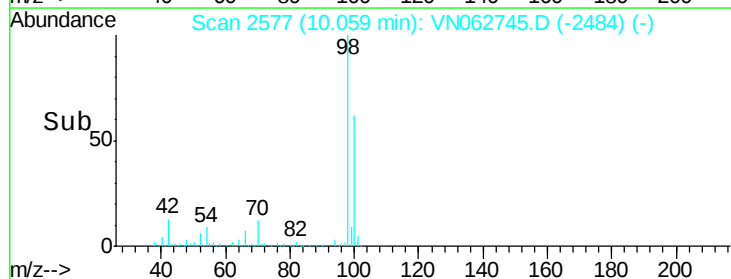
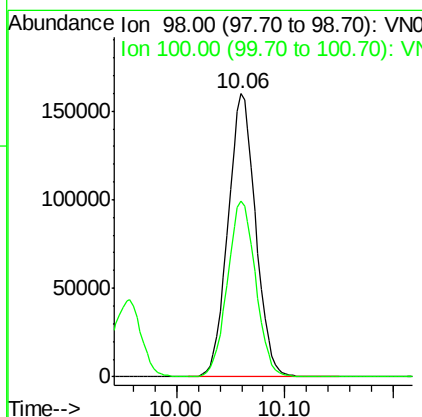
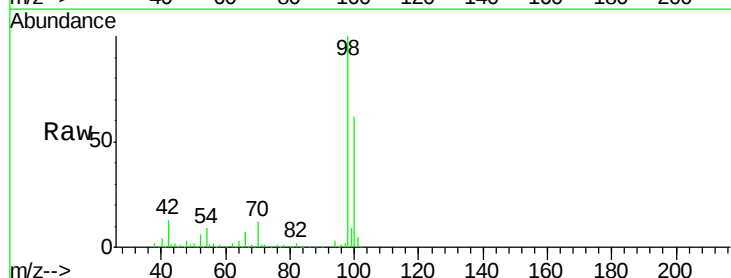
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

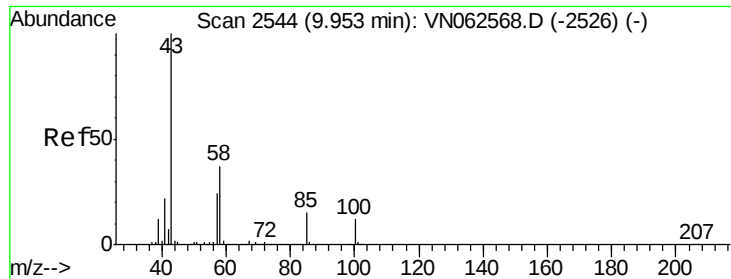
Tot Ion: 88 Resp: 28867
 Ion Ratio Lower Upper
 88 100
 43 37.9 32.0 48.0
 58 74.2 62.8 94.2



#50
 Toluene-d8
 Concen: 45.930 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 98 Resp: 284903
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.9 76.3

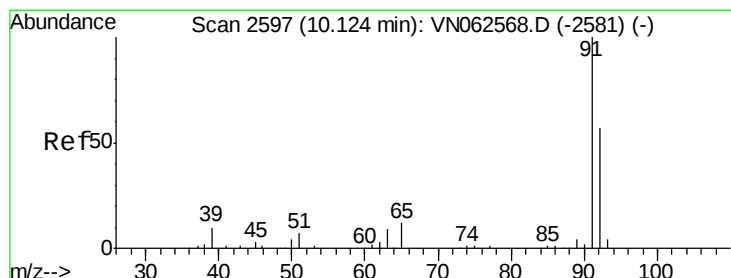
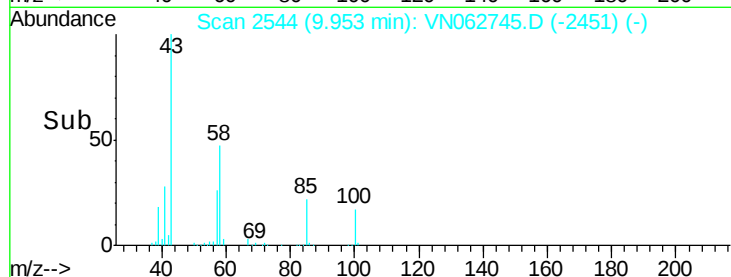
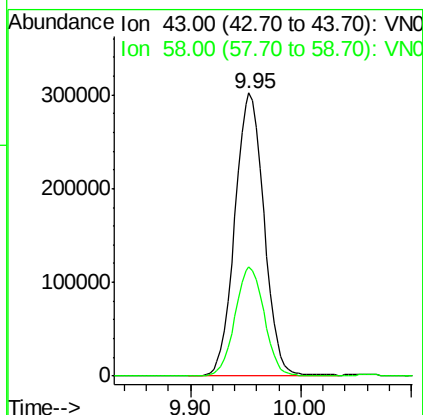
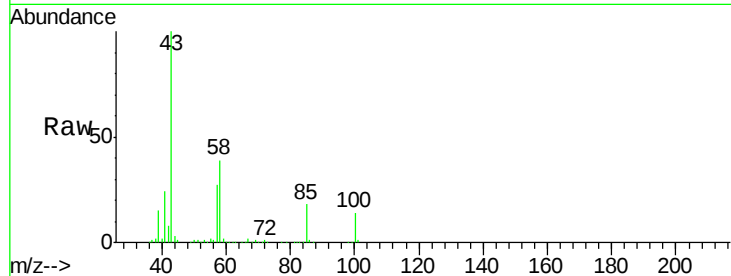




#51
4-Methyl-2-Pentanone
Concen: 210.112 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

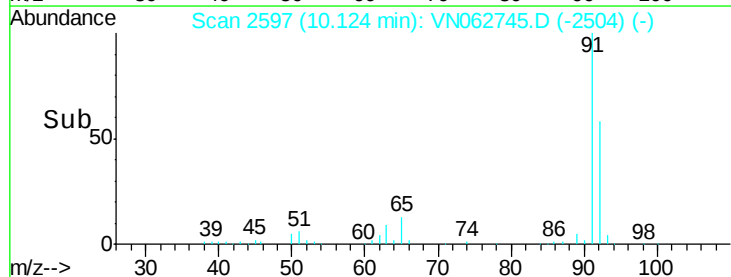
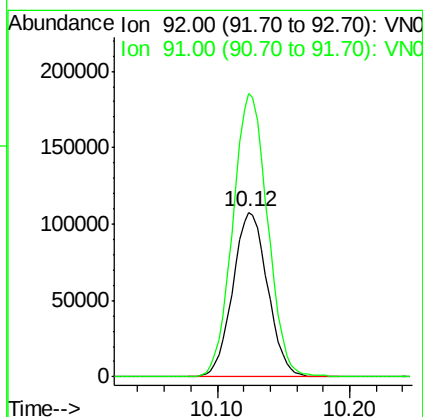
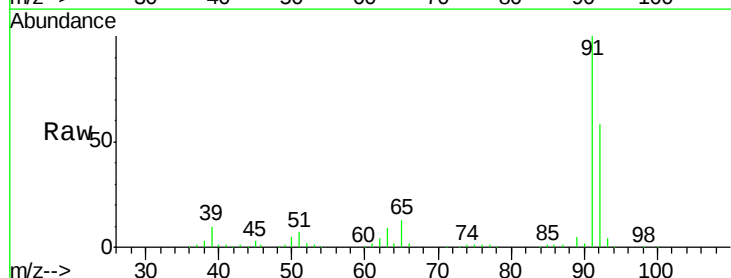
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

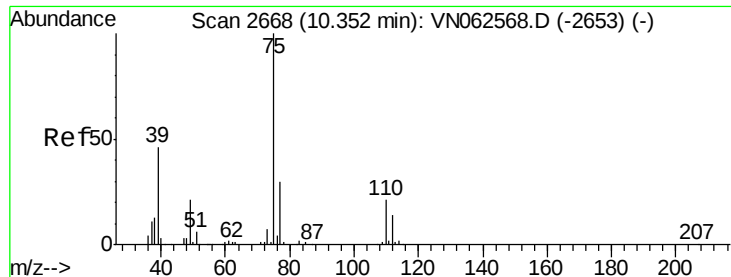
Tot Ion: 43 Resp: 551136
Ion Ratio Lower Upper
43 100
58 38.6 29.8 44.6



#52
Toluene
Concen: 44.293 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 92 Resp: 196436
Ion Ratio Lower Upper
92 100
91 172.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 46.800 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

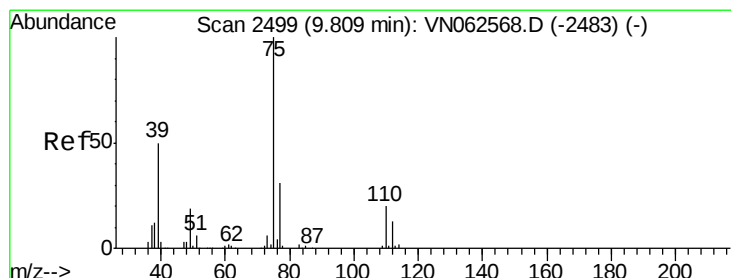
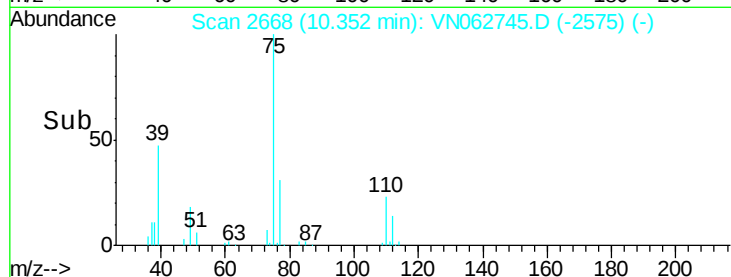
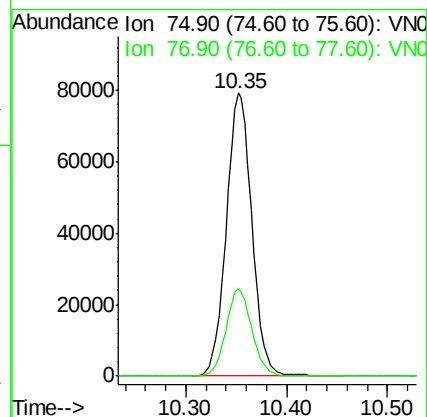
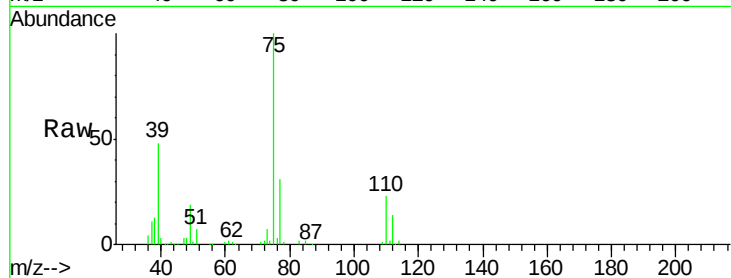
VSTDCCC050EC

Tot Ion: 75 Resp: 139894

Ion Ratio Lower Upper

75 100

77 30.8 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 44.853 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

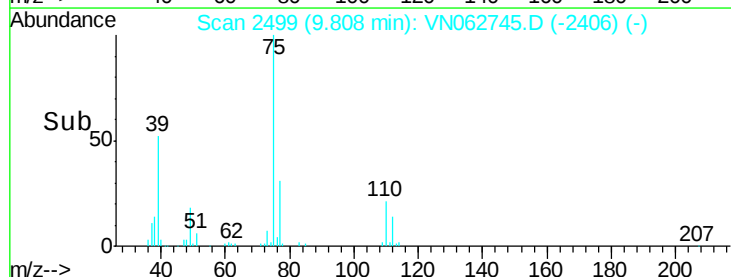
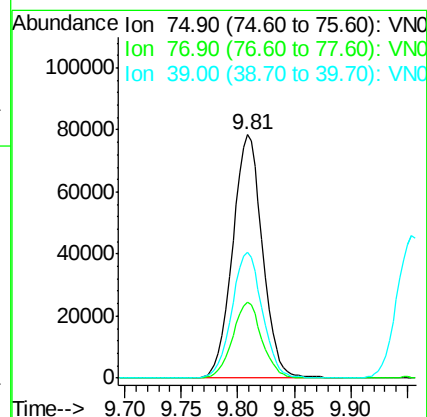
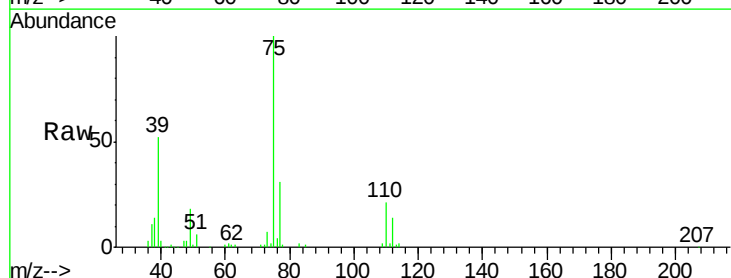
Tgt Ion: 75 Resp: 143863

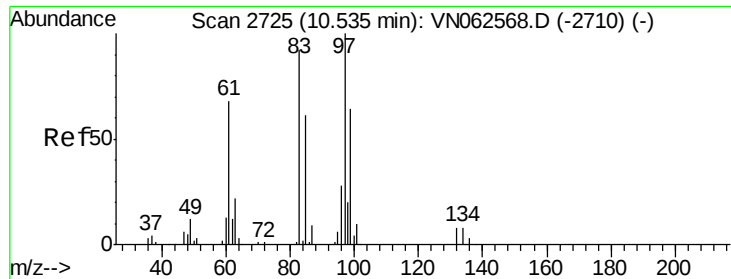
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 51.6 39.8 59.8

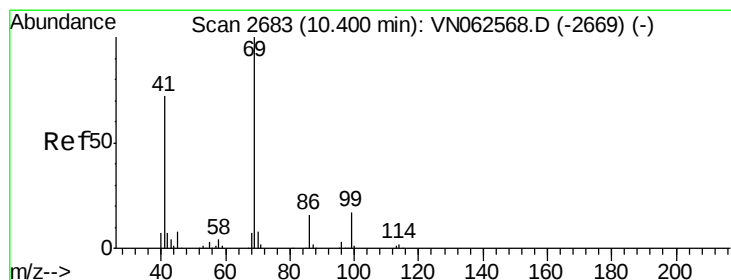
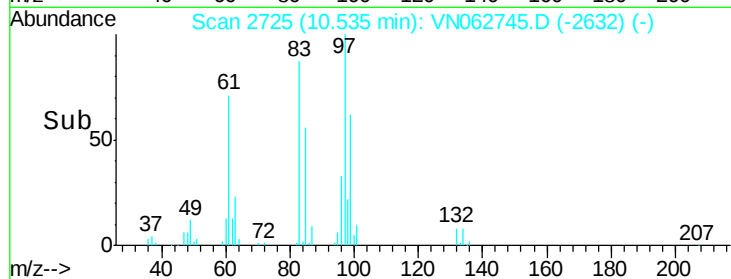
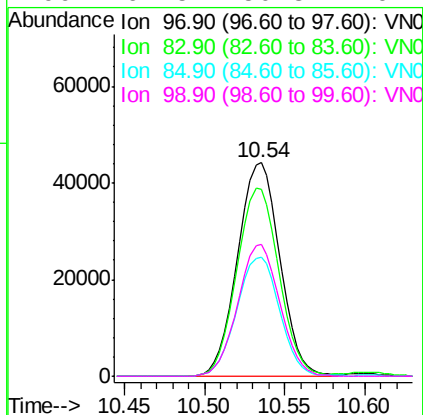
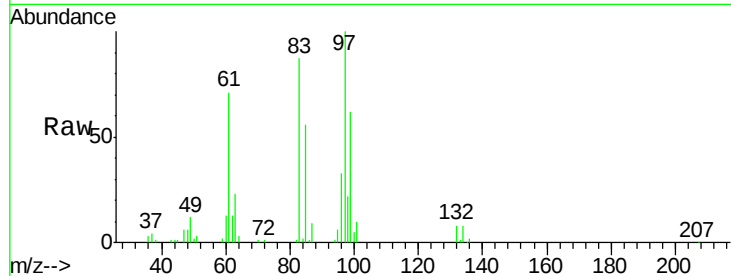




#55
 1,1,2-Trichloroethane
 Concen: 46.423 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

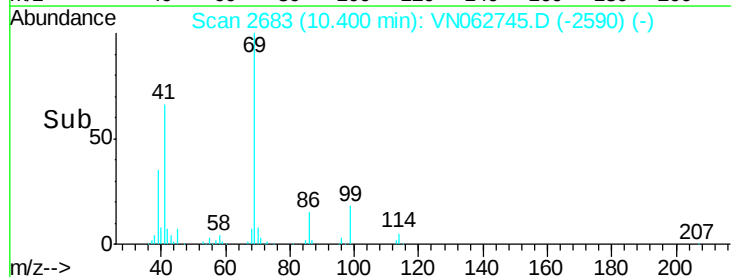
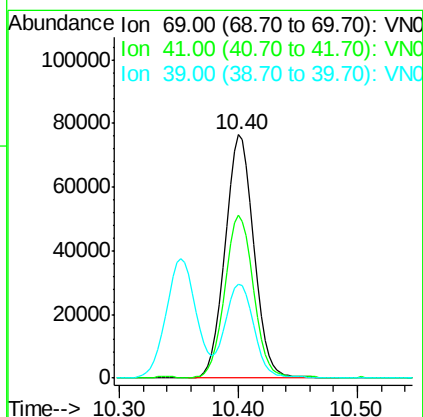
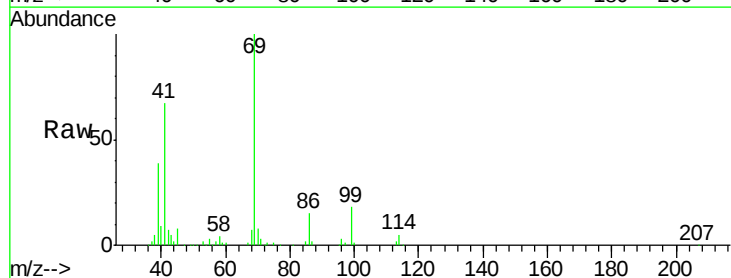
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

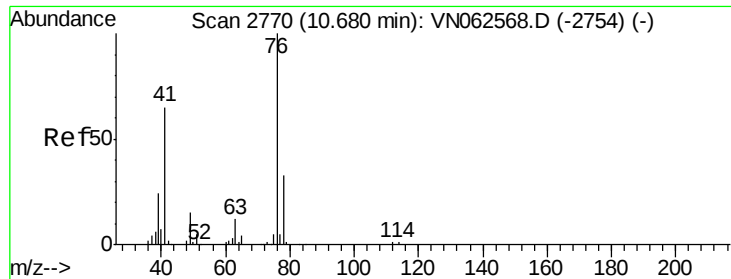
Tot Ion:	97	Resp:	79859
Ion	Ratio	Lower	Upper
97	100		
83	87.4	73.7	110.5
85	55.7	48.5	72.7
99	61.5	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 41.721 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion:	69	Resp:	127935
Ion	Ratio	Lower	Upper
69	100		
41	66.2	57.2	85.8
39	38.7	28.6	43.0

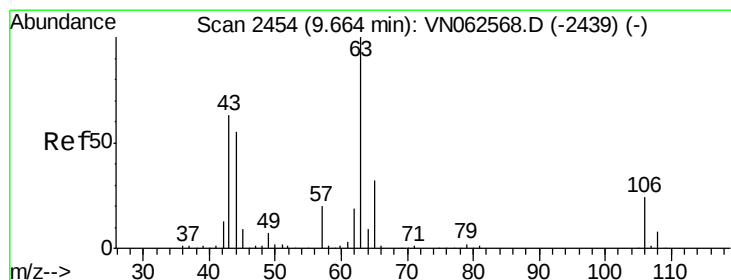
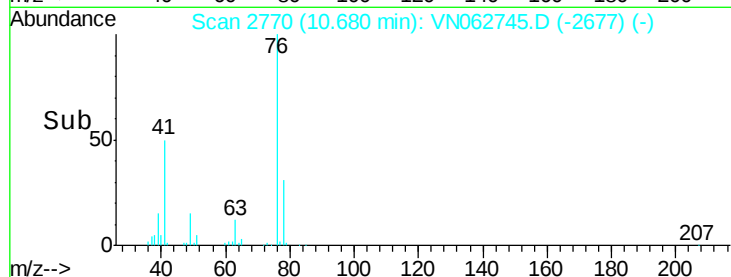
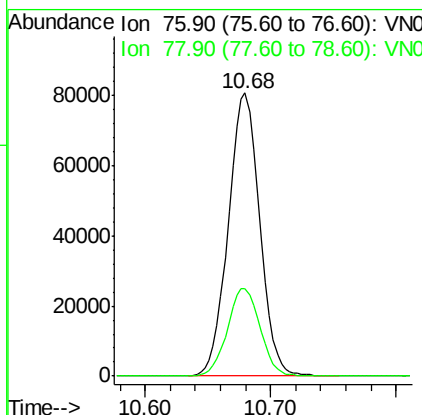
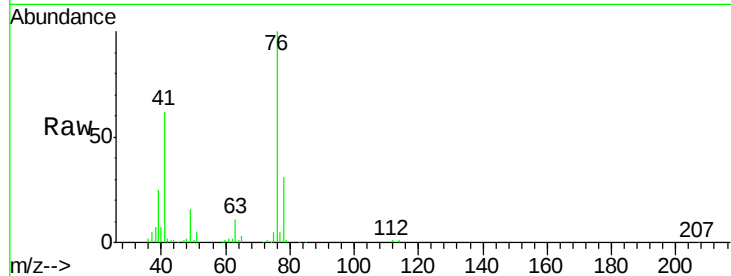




#57
 1,3-Dichloropropane
 Concen: 44.559 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

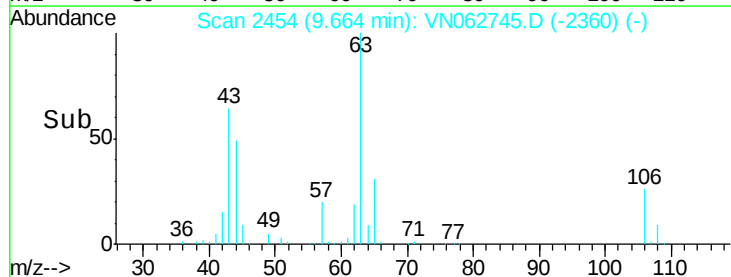
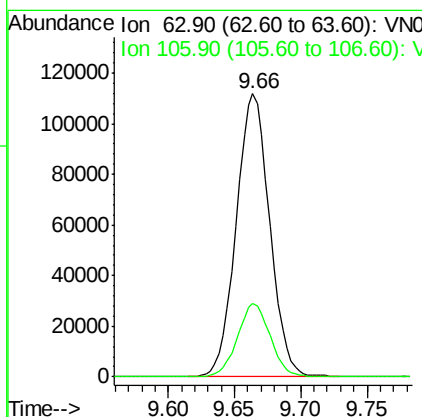
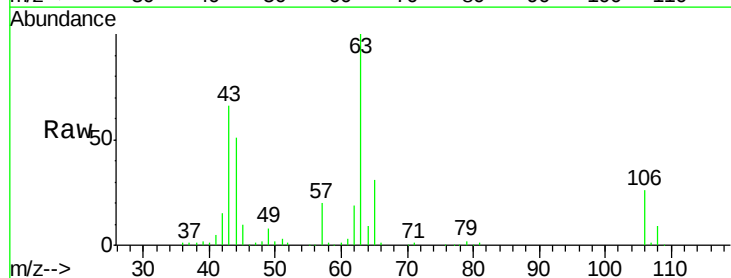
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

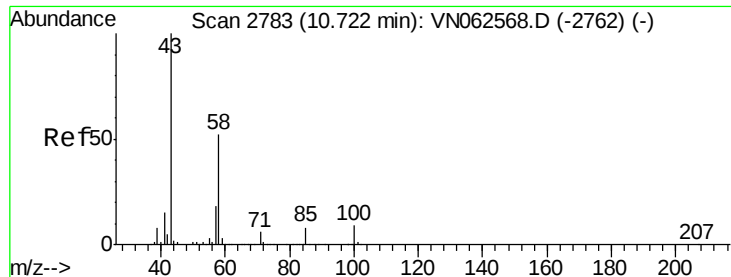
Tot Ion: 76 Resp: 140429
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.208 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 63 Resp: 196026
 Ion Ratio Lower Upper
 63 100
 106 25.4 18.9 28.3

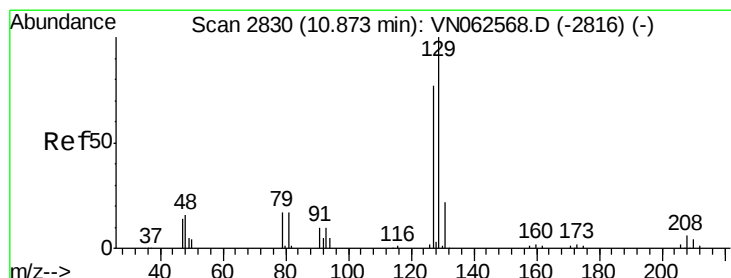
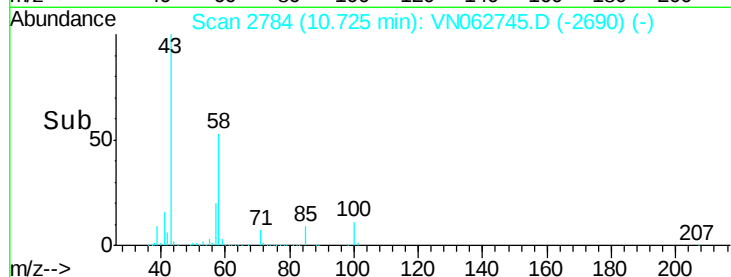
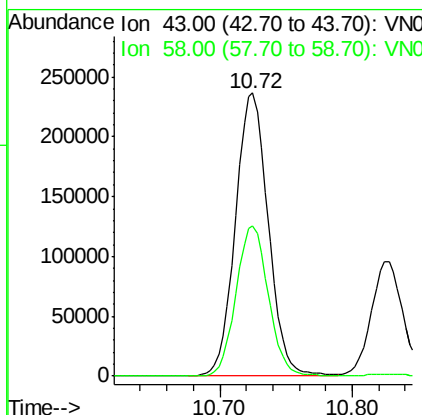
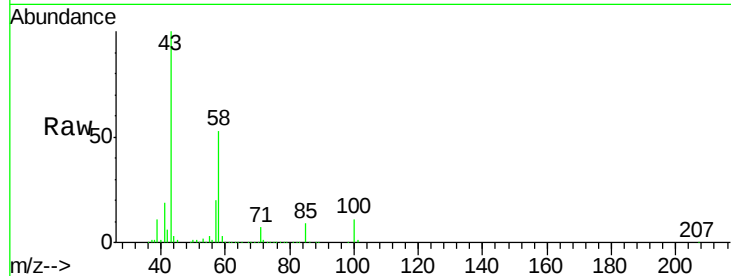




#59
2-Hexanone
Concen: 200.121 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

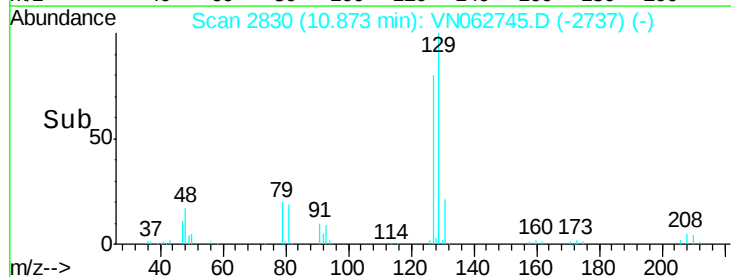
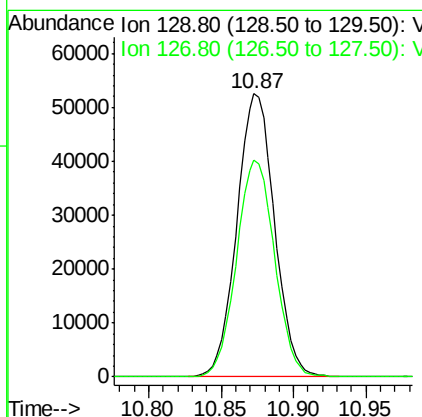
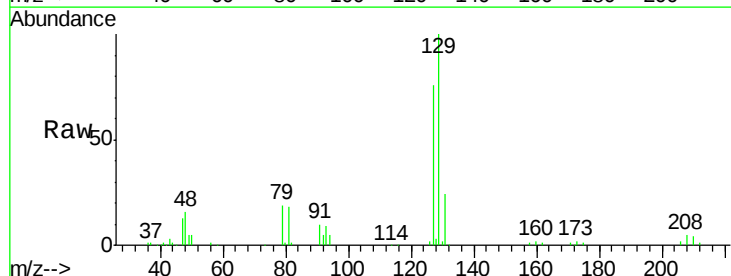
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

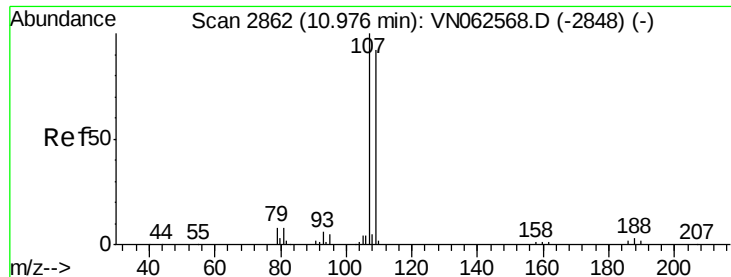
Tot Ion: 43 Resp: 404752
Ion Ratio Lower Upper
43 100
58 52.7 26.0 78.0



#60
Dibromochloromethane
Concen: 49.417 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 129 Resp: 94837
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9

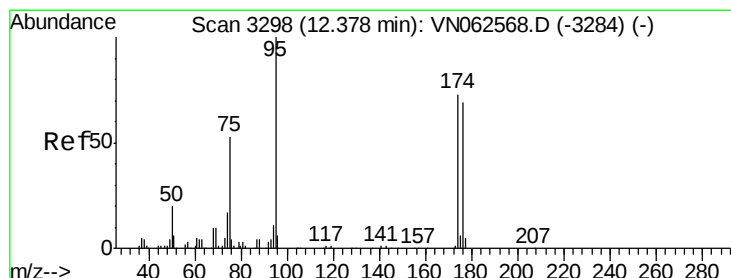
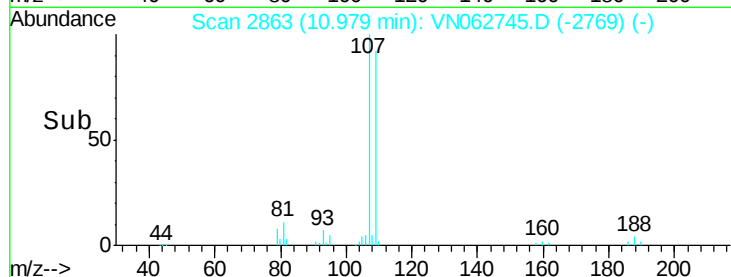
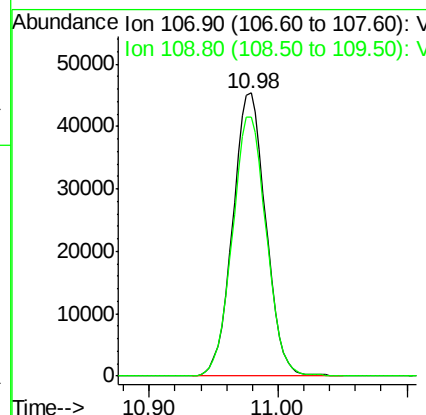
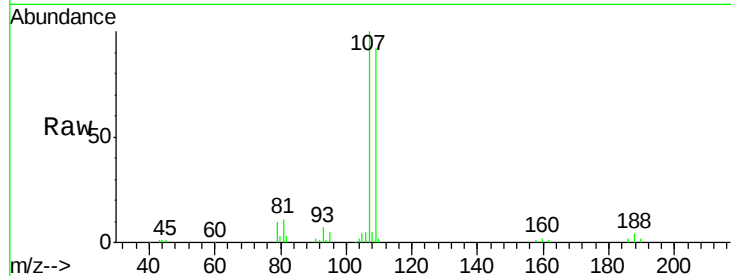




#61
 1,2-Dibromoethane
 Concen: 44.992 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

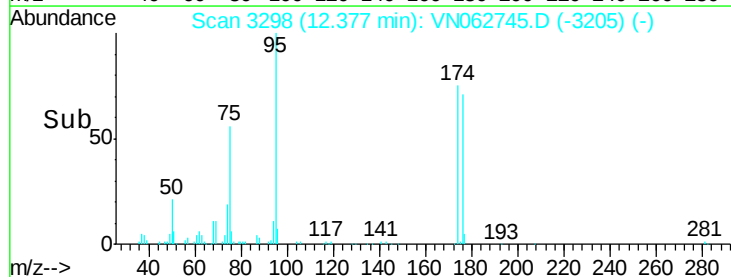
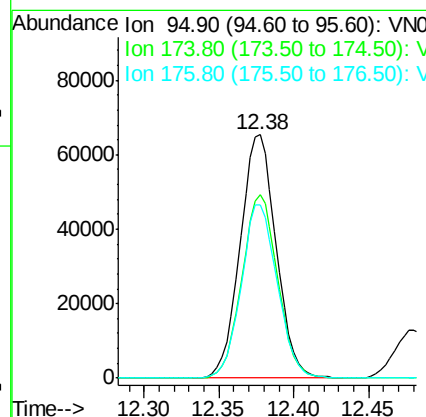
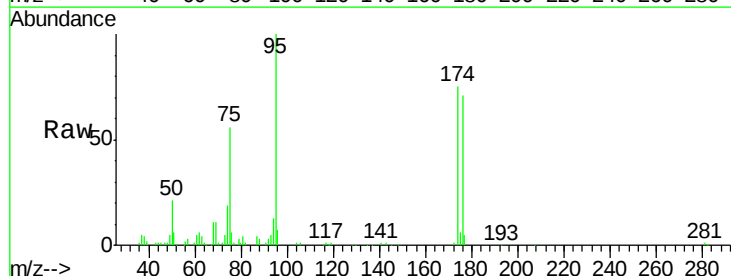
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

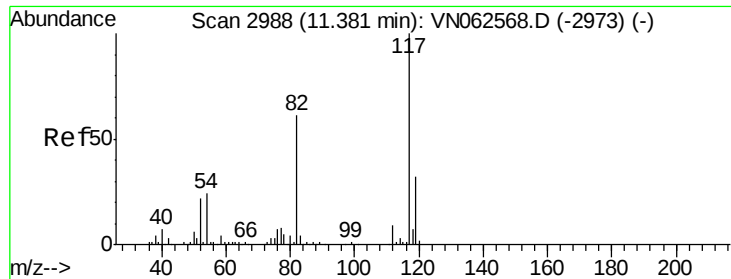
Tot Ion:107 Resp: 80595
 Ion Ratio Lower Upper
 107 100
 109 94.1 73.8 110.6



#62
 4-Bromofluorobenzene
 Concen: 48.271 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion: 95 Resp: 109483
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 144.6
 176 71.4 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

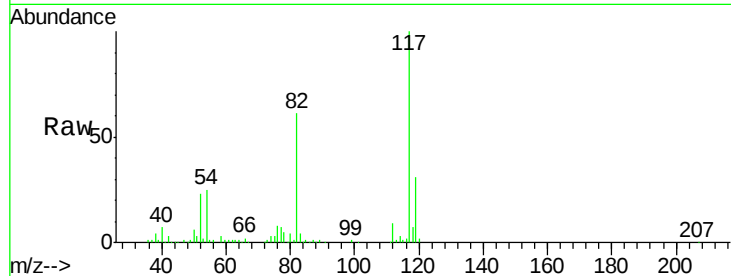
Tot Ion:117 Resp: 220267

Ion Ratio Lower Upper

117 100

82 61.1 49.0 73.6

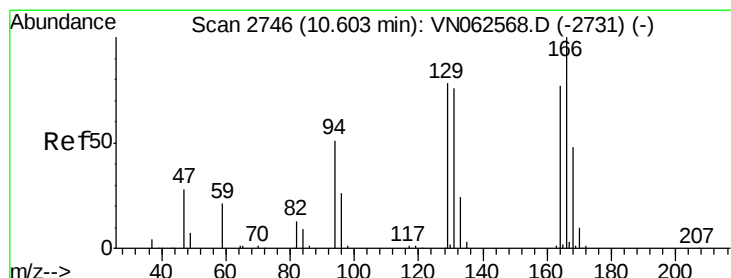
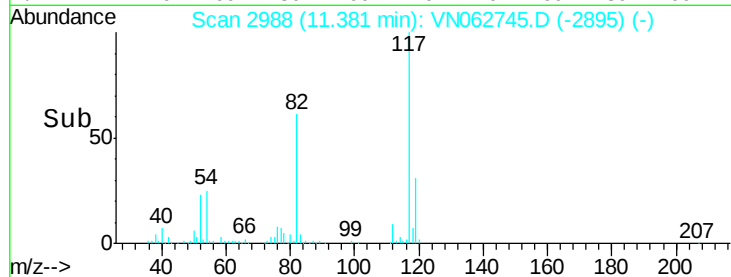
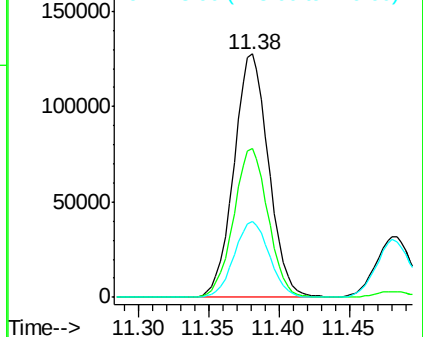
119 31.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.690 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Tgt Ion:164 Resp: 65388

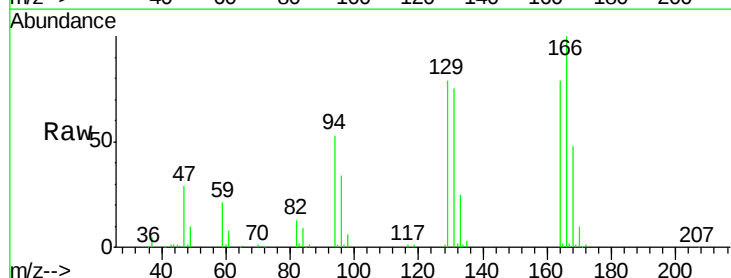
Ion Ratio Lower Upper

164 100

166 127.0 104.4 156.6

129 99.9 81.0 121.4

131 94.9 79.4 119.2

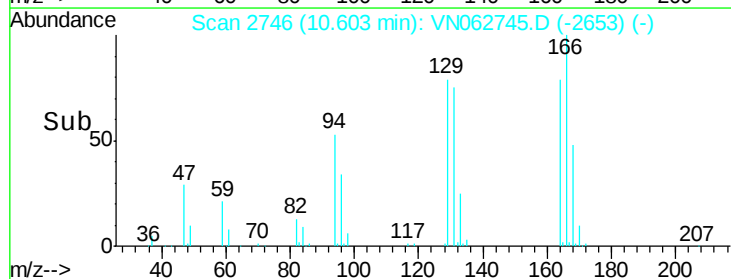
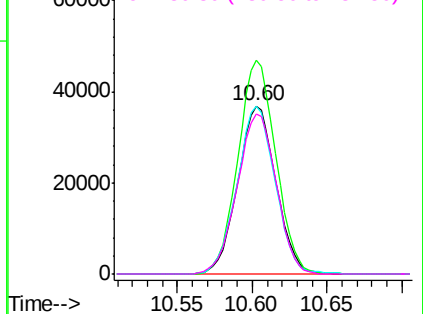


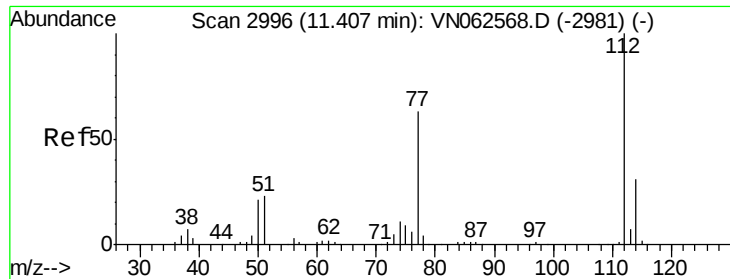
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

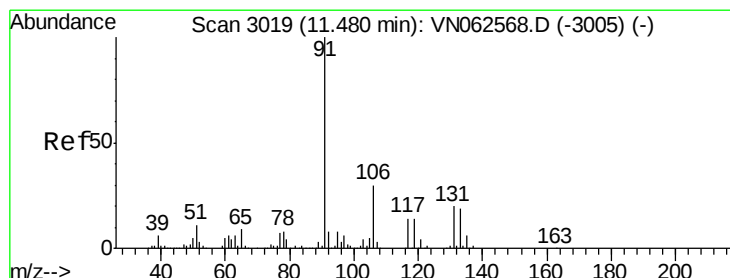
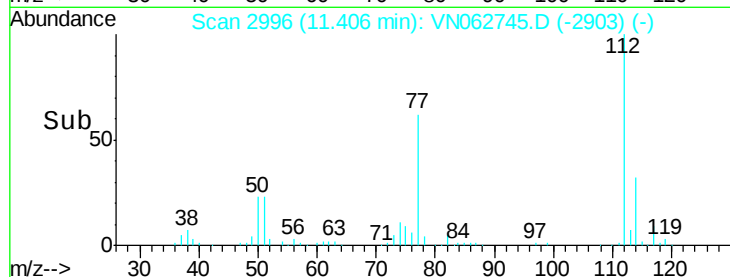
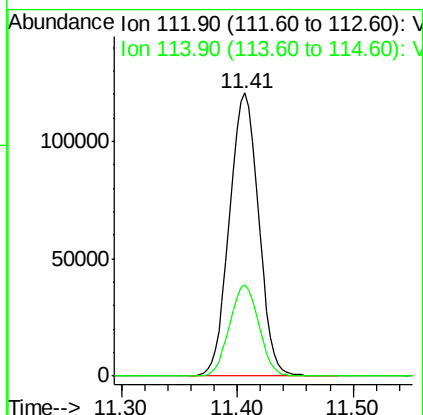
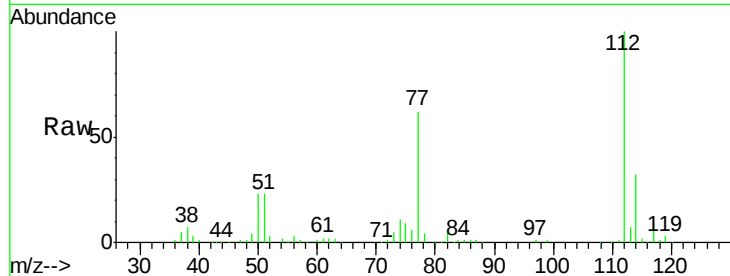




#65
Chlorobenzene
Concen: 45.407 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

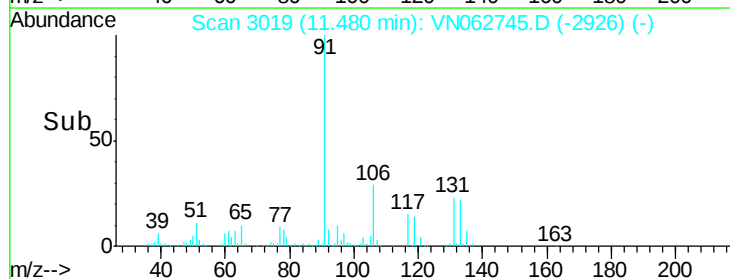
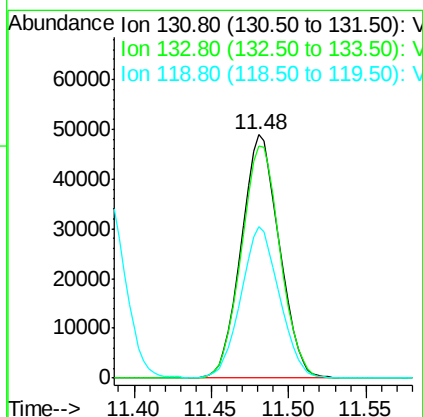
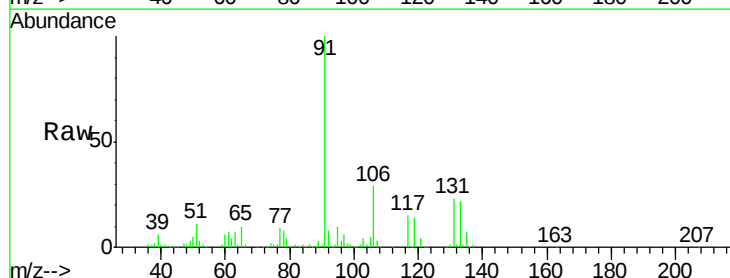
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

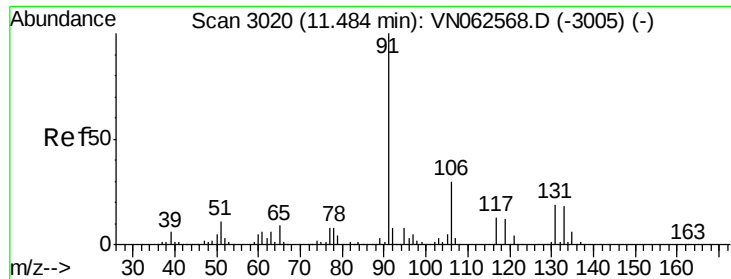
Tot Ion:112 Resp: 209678
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.292 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion:131 Resp: 83892
Ion Ratio Lower Upper
131 100
133 97.0 47.3 142.0
119 62.6 33.7 101.0

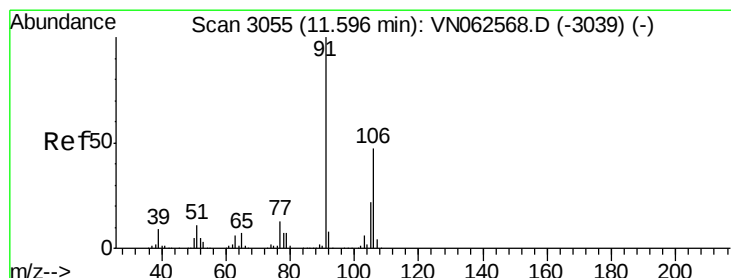
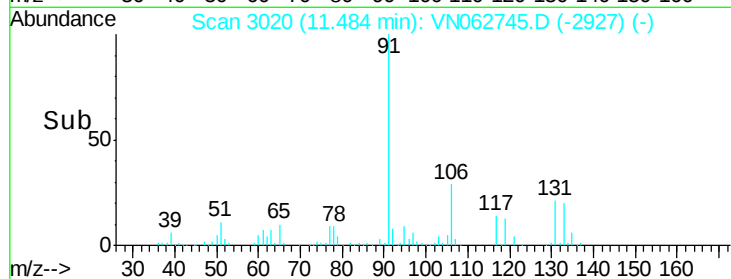
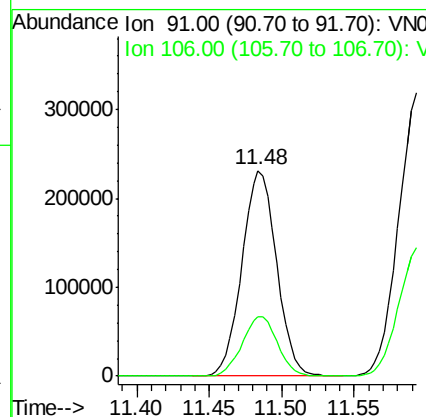
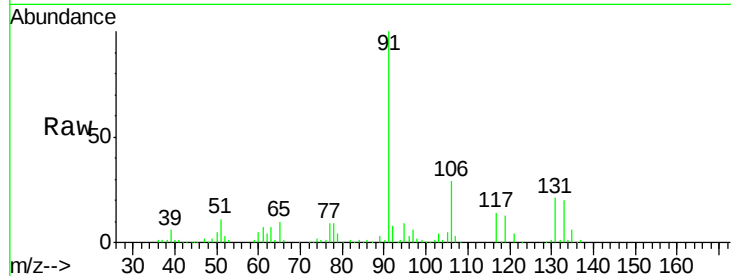




#67
Ethyl Benzene
Concen: 45.370 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

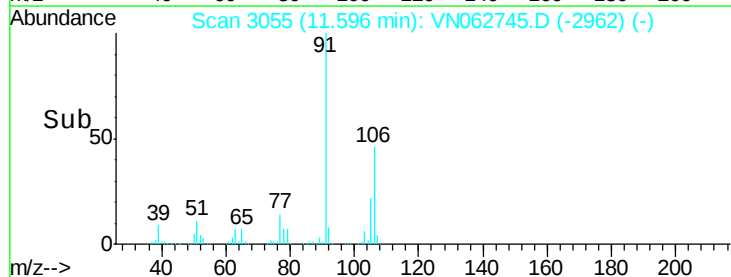
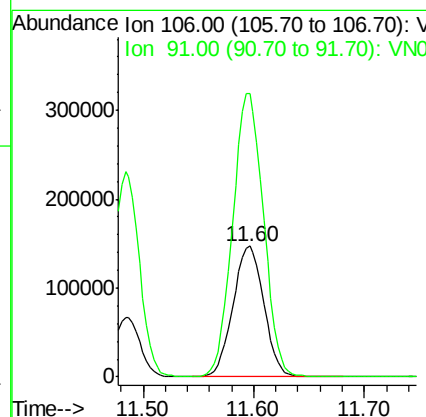
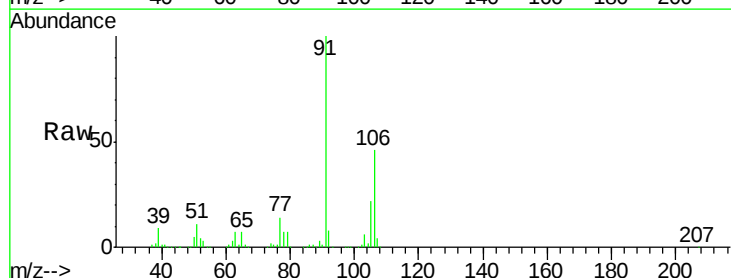
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

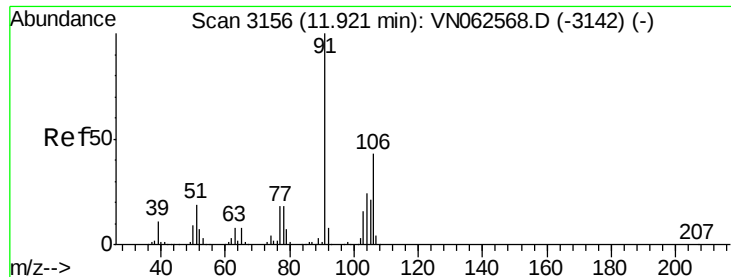
Tot Ion: 91 Resp: 384137
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8



#68
m/p-Xylenes
Concen: 94.025 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion: 106 Resp: 286135
Ion Ratio Lower Upper
106 100
91 215.7 171.4 257.2

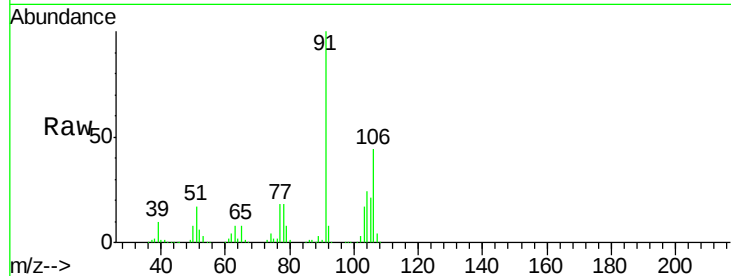




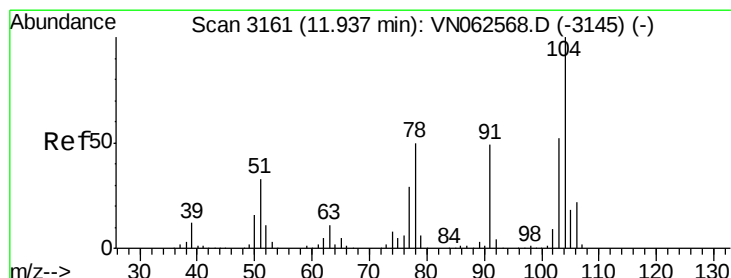
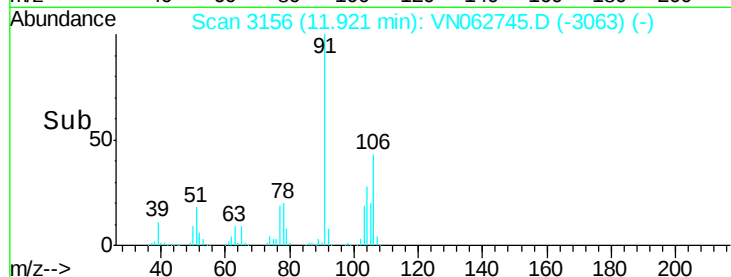
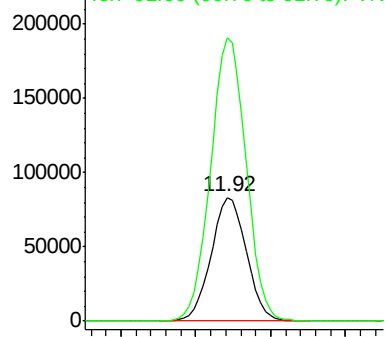
#69
o-Xylene
Concen: 47.274 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 136612
Ion Ratio Lower Upper
106 100
91 230.9 113.8 341.2

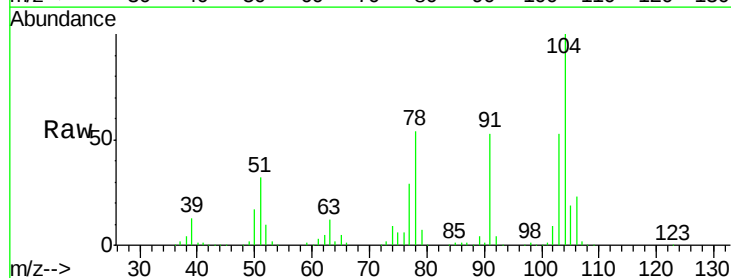


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

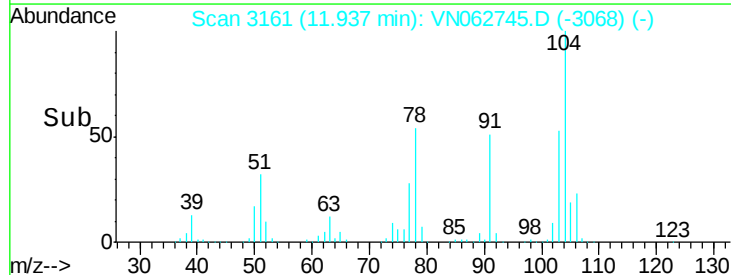
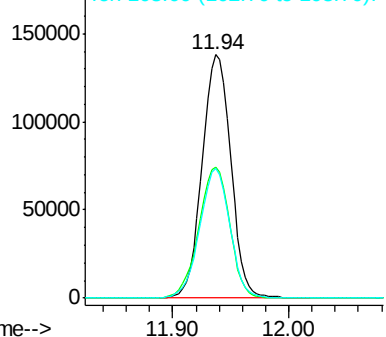


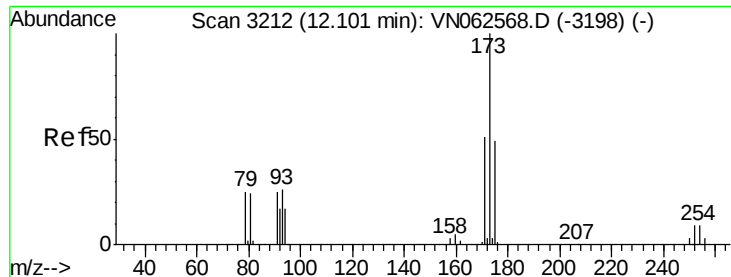
#70
Styrene
Concen: 48.565 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062745.D
Acq: 3 Aug 2020 19:02

Tgt Ion:104 Resp: 237073
Ion Ratio Lower Upper
104 100
78 58.2 43.8 65.6
103 56.1 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.958 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

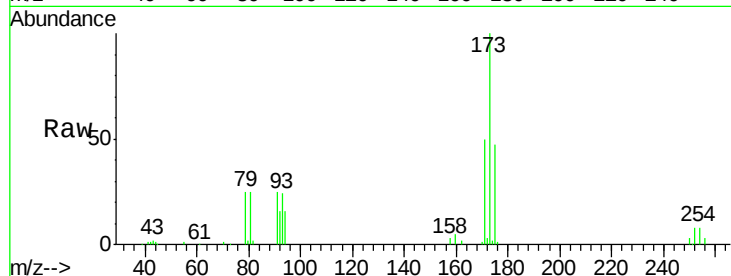
Tot Ion:173 Resp: 67771

Ion Ratio Lower Upper

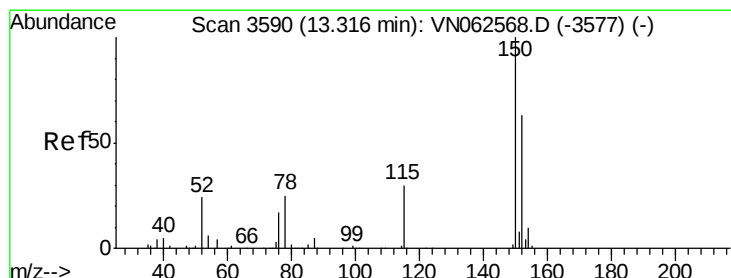
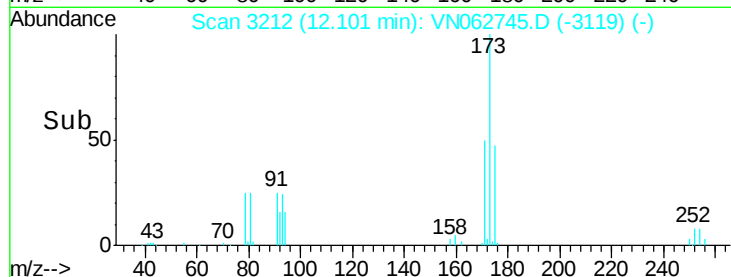
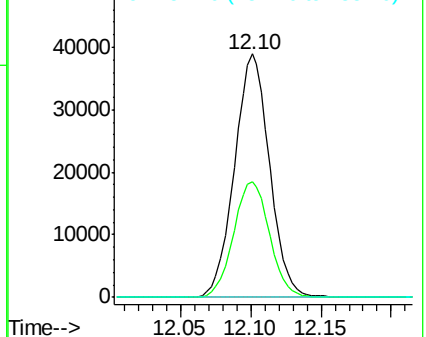
173 100

175 48.5 24.1 72.2

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: VN062745.D

Acq: 3 Aug 2020 19:02

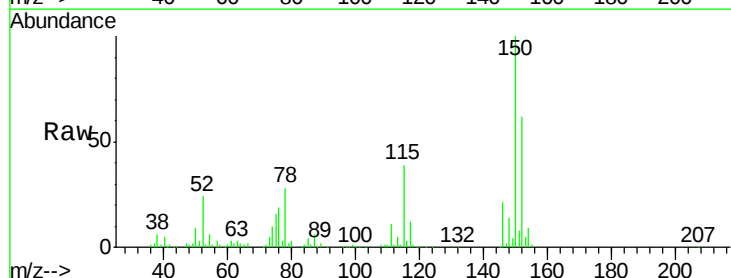
Tgt Ion:152 Resp: 110609

Ion Ratio Lower Upper

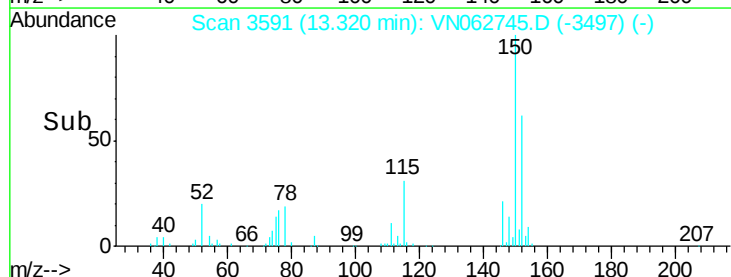
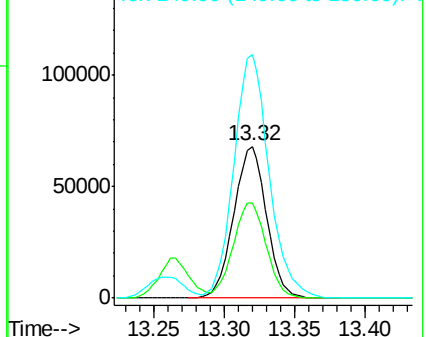
152 100

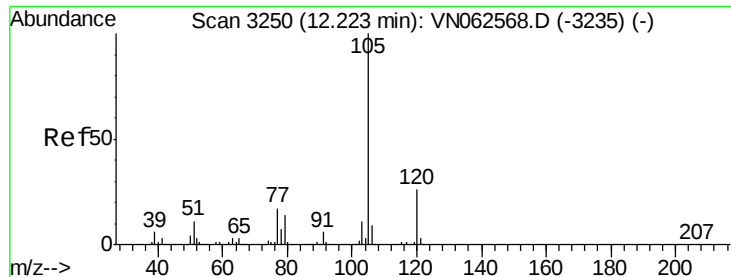
115 63.8 31.8 95.4

150 173.2 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.592 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

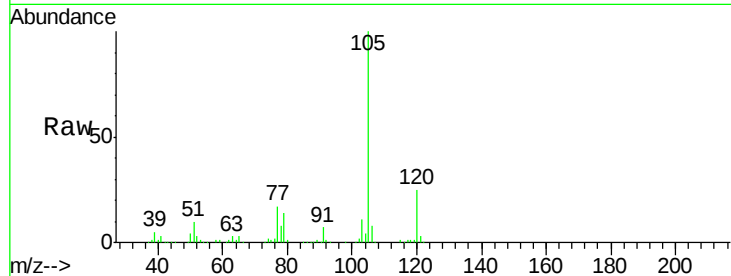
VSTDCCC050EC

Tot Ion:105 Resp: 381253

Ion Ratio Lower Upper

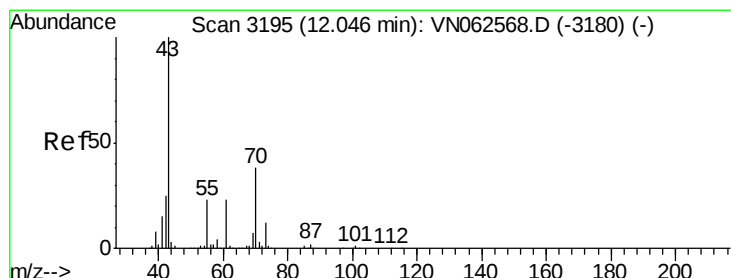
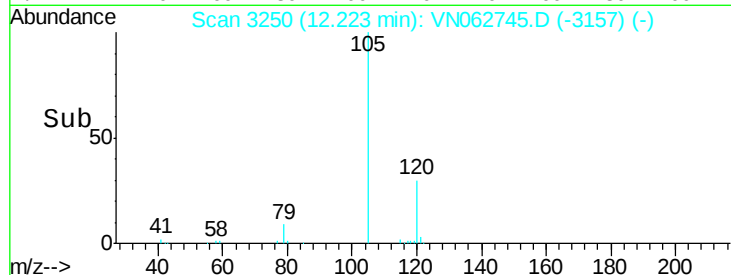
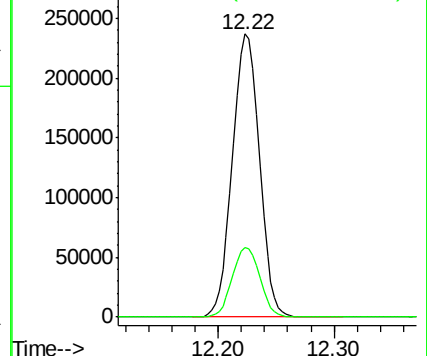
105 100

120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 39.820 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Tgt Ion: 43 Resp: 155529

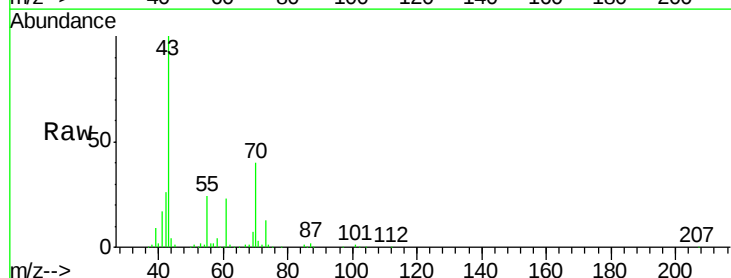
Ion Ratio Lower Upper

43 100

70 41.1 30.5 45.7

55 25.9 19.0 28.6

61 23.4 18.4 27.6

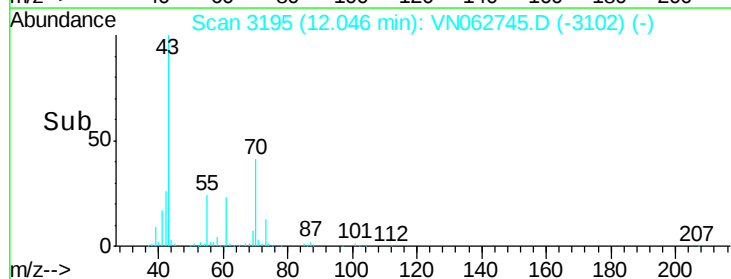
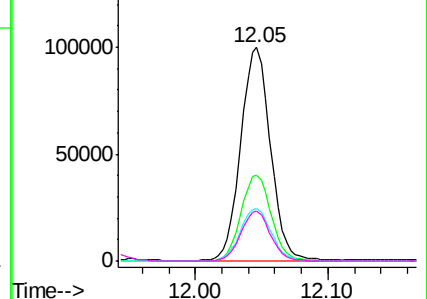


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 39.390 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

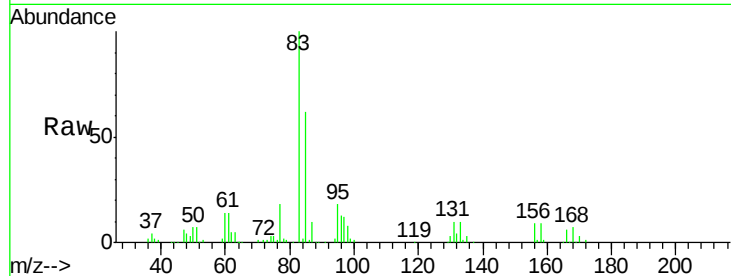
Tot Ion: 83 Resp: 119714

Ion Ratio Lower Upper

83 100

131 10.3 4.8 14.3

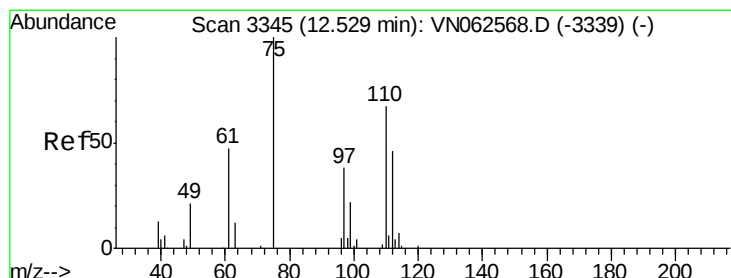
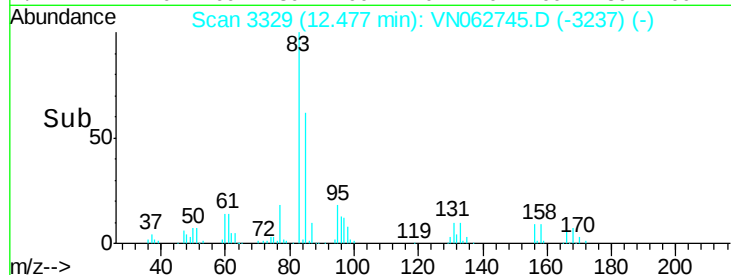
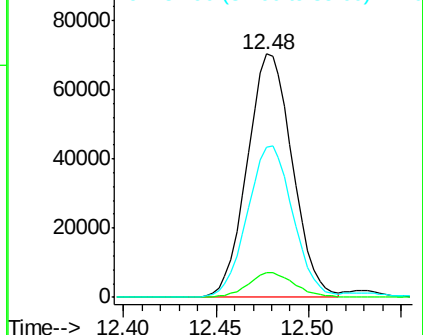
85 62.8 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 57.624 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062745.D

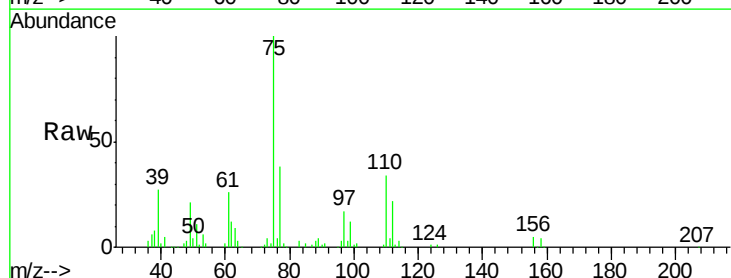
Acq: 3 Aug 2020 19:02

Tgt Ion: 75 Resp: 162235

Ion Ratio Lower Upper

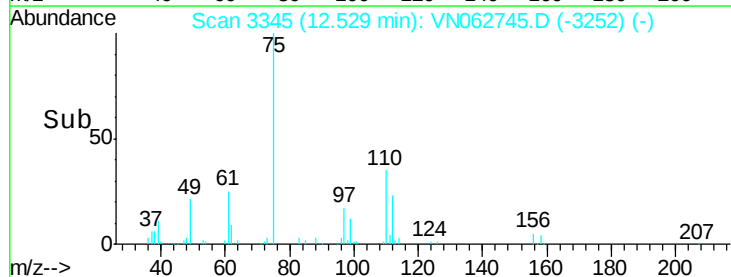
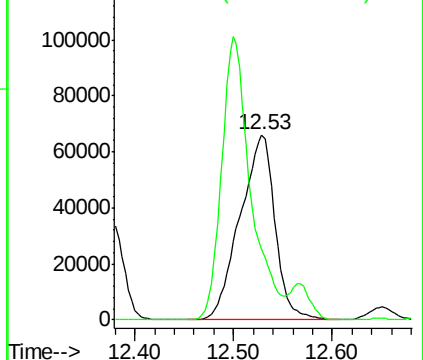
75 100

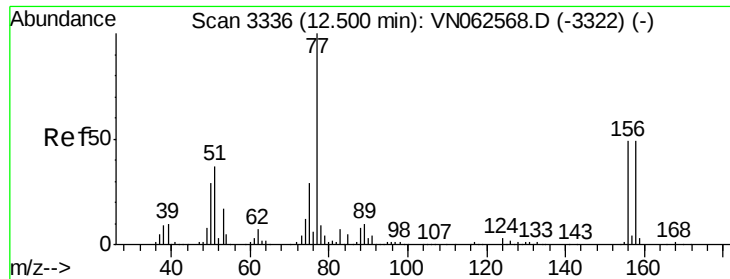
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 43.021 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

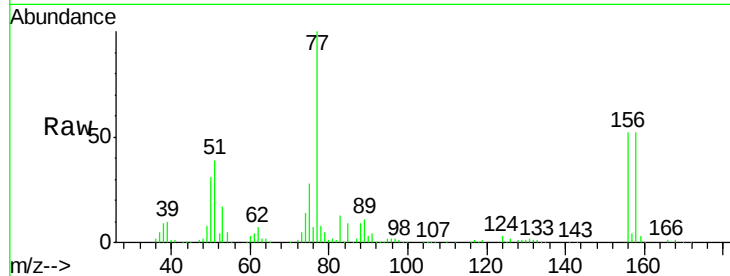
Tot Ion:156 Resp: 90422

Ion Ratio Lower Upper

156 100

77 230.6 122.8 368.3

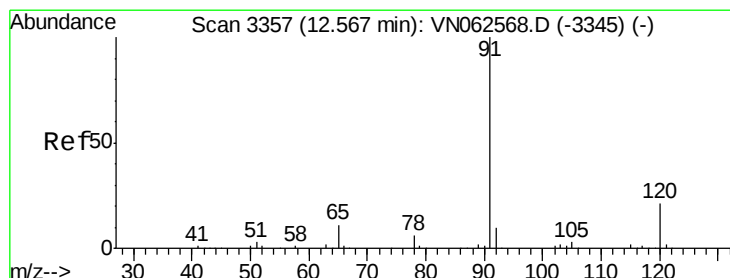
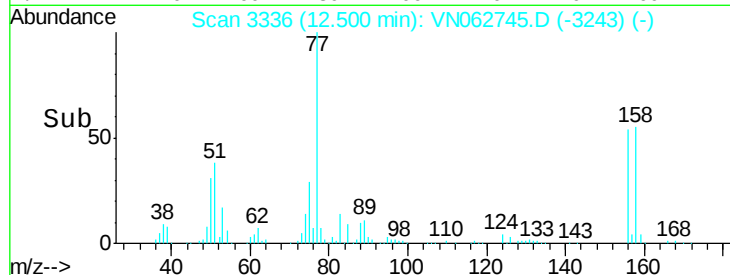
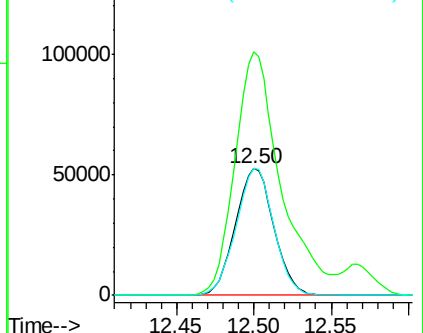
158 98.6 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.100 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062745.D

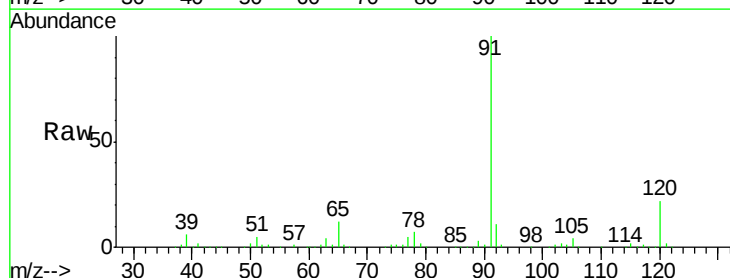
Acq: 3 Aug 2020 19:02

Tgt Ion: 91 Resp: 441548

Ion Ratio Lower Upper

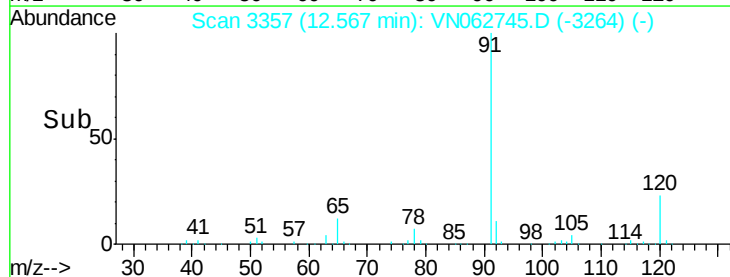
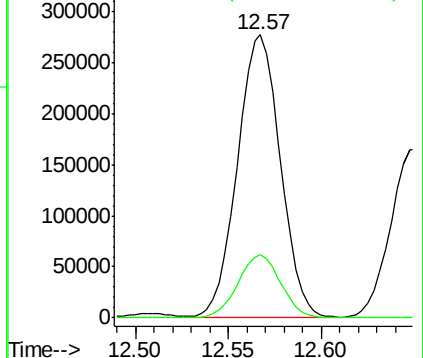
91 100

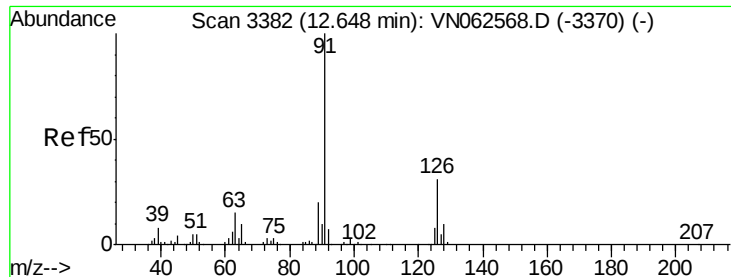
120 22.4 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.817 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

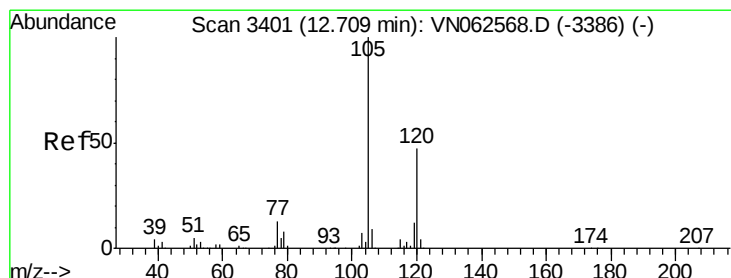
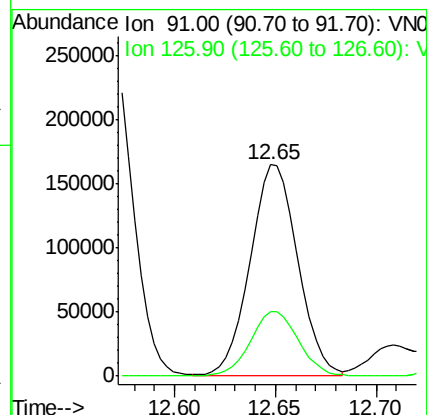
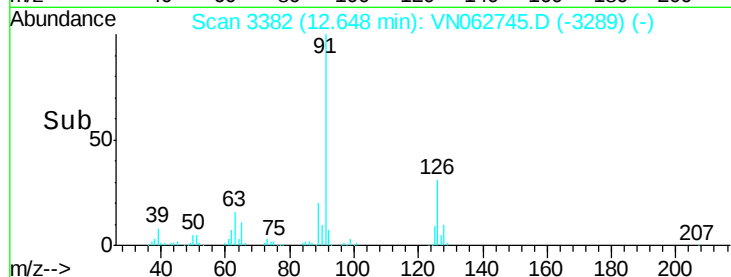
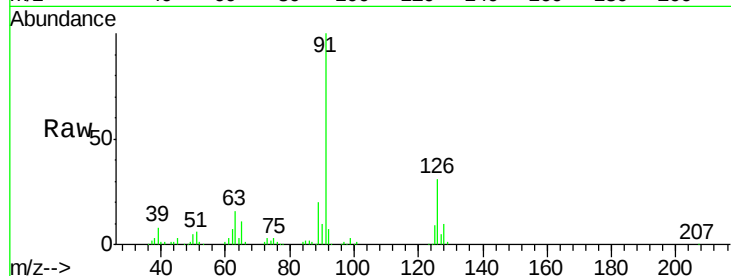
VSTDCCC050EC

Tot Ion: 91 Resp: 270329

Ion Ratio Lower Upper

91 100

126 31.2 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 47.489 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062745.D

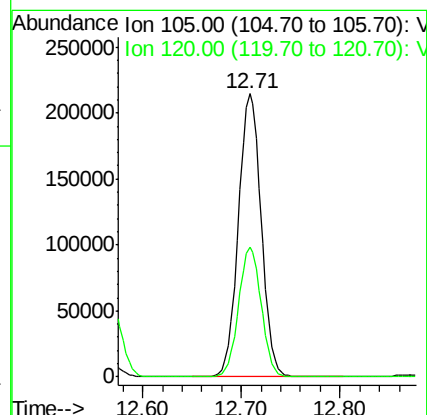
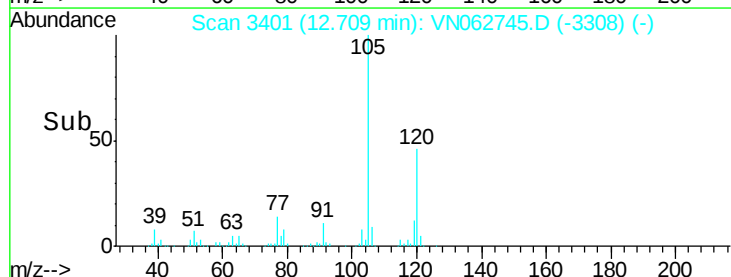
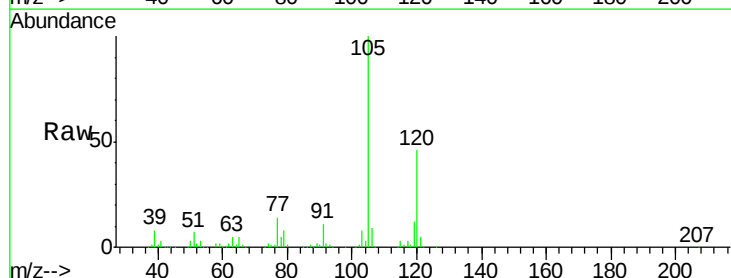
Acq: 3 Aug 2020 19:02

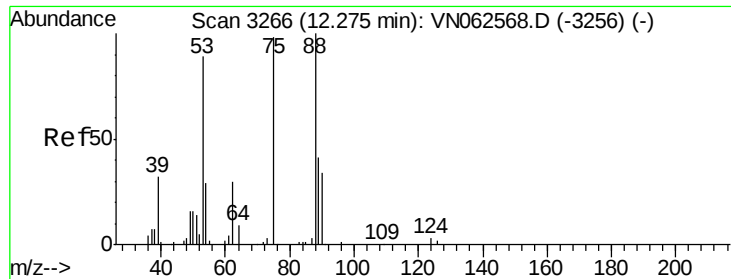
Tgt Ion: 105 Resp: 344521

Ion Ratio Lower Upper

105 100

120 45.4 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 40.730 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

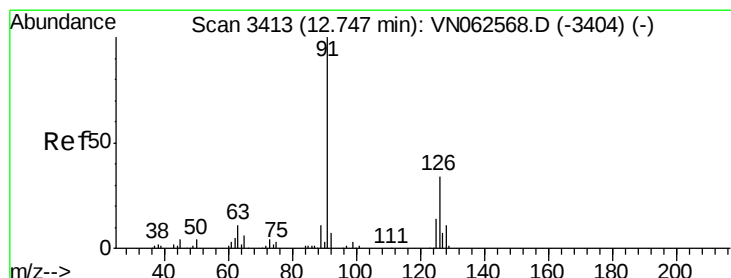
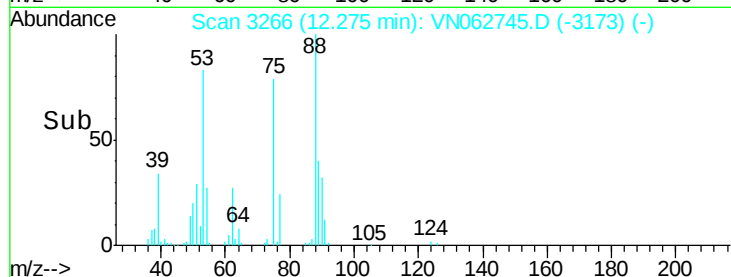
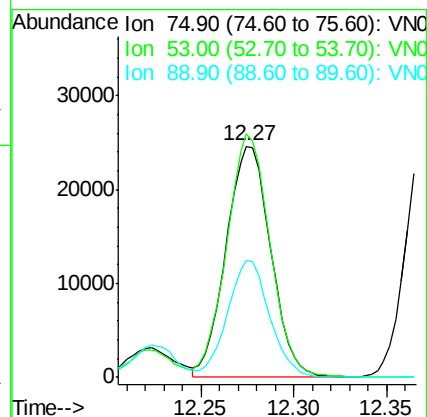
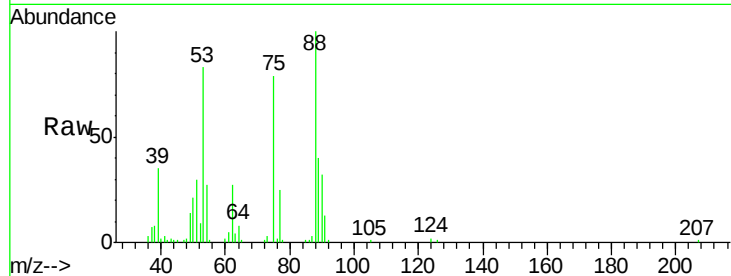
Tot Ion: 75 Resp: 41193

Ion Ratio Lower Upper

75 100

53 102.7 75.4 113.0

89 47.6 34.5 51.7



#82

4-Chlorotoluene

Concen: 43.454 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062745.D

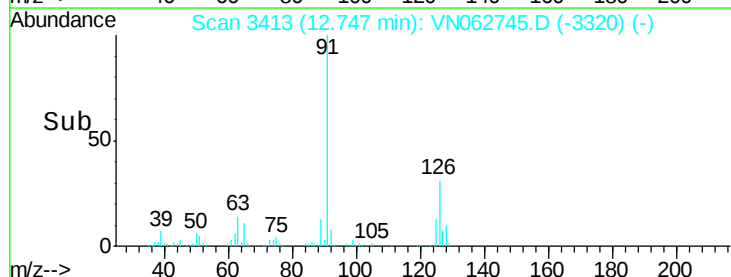
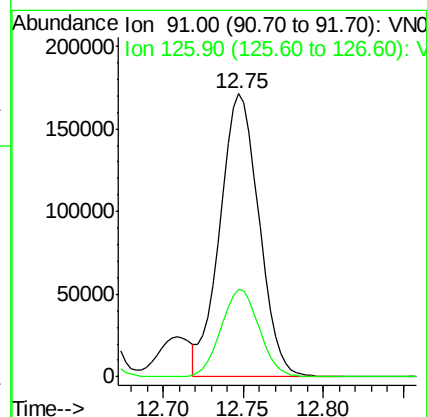
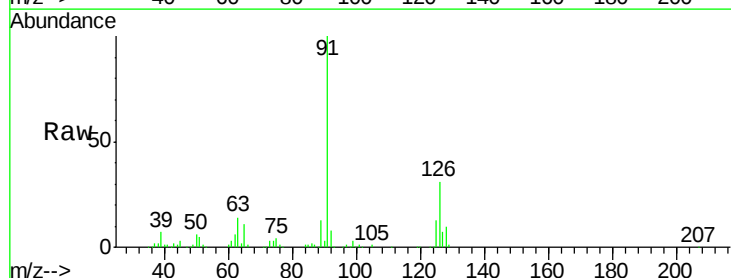
Acq: 3 Aug 2020 19:02

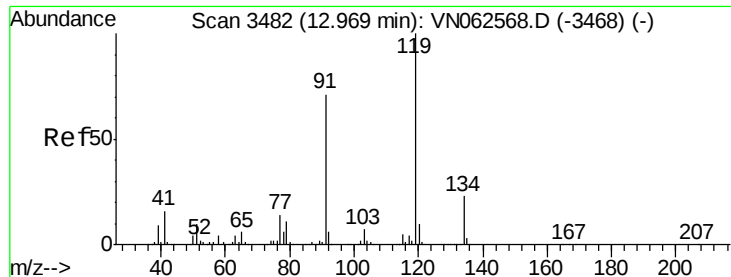
Tgt Ion: 91 Resp: 285567

Ion Ratio Lower Upper

91 100

126 30.6 15.4 46.4

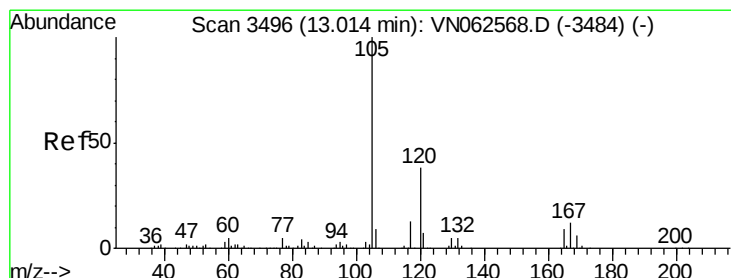
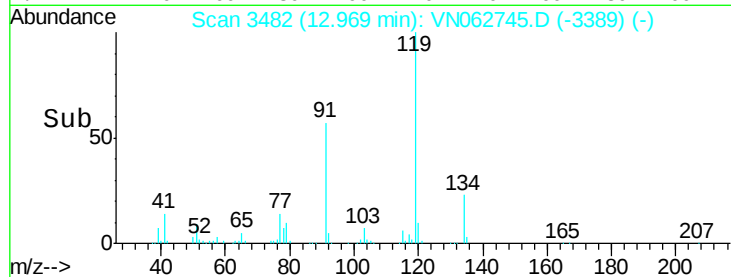
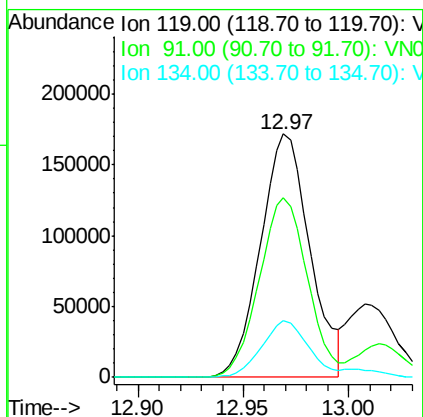
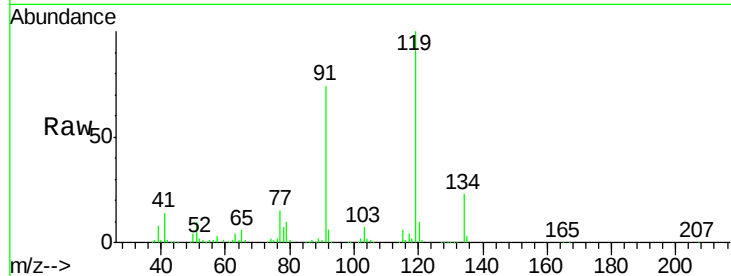




#83
 tert-Butylbenzene
 Concen: 46.529 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

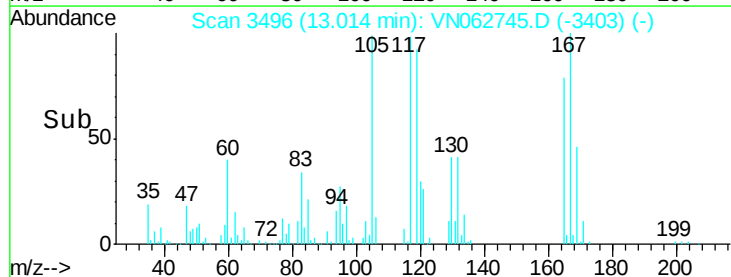
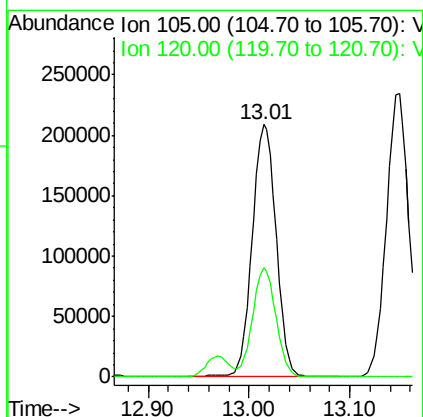
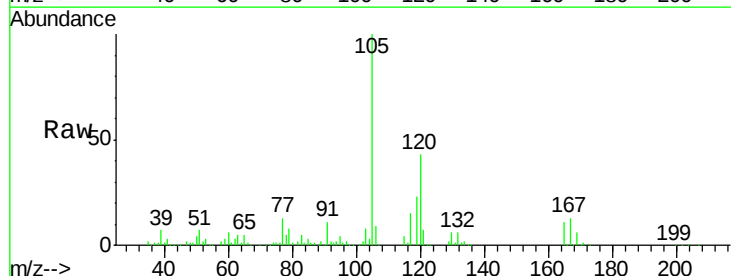
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

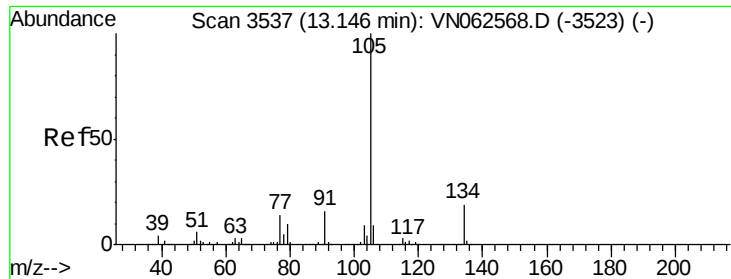
Tot Ion:119 Resp: 280293
 Ion Ratio Lower Upper
 119 100
 91 72.5 34.6 103.8
 134 22.4 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 47.936 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion:105 Resp: 341154
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.1 66.3





#85

sec-Butylbenzene

Concen: 45.617 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

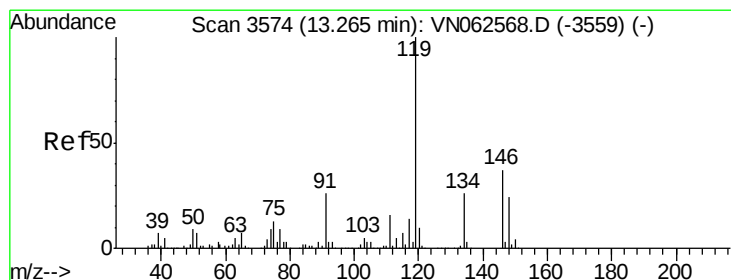
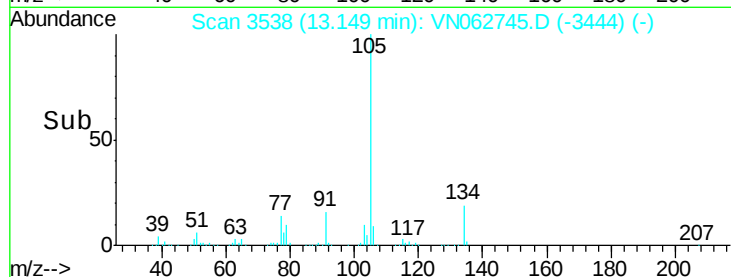
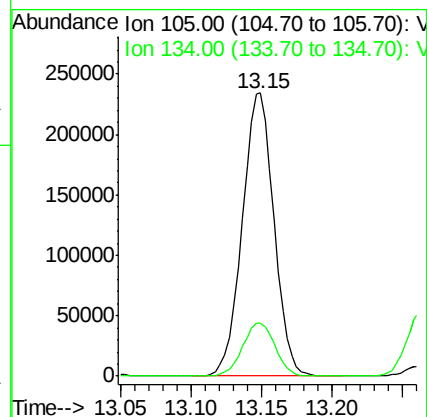
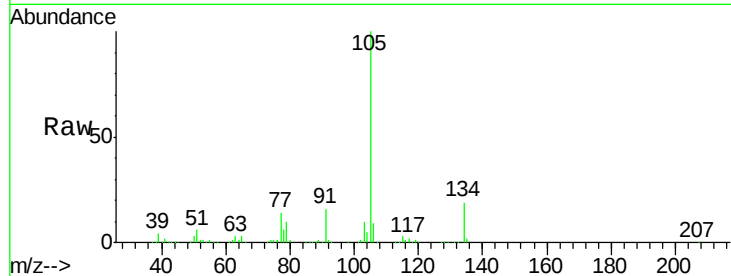
VSTDCCC050EC

Tot Ion:105 Resp: 367903

Ion Ratio Lower Upper

105 100

134 19.4 9.5 28.5



#86

p-Isopropyltoluene

Concen: 48.603 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

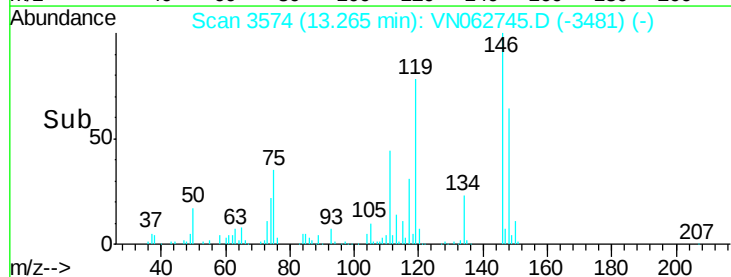
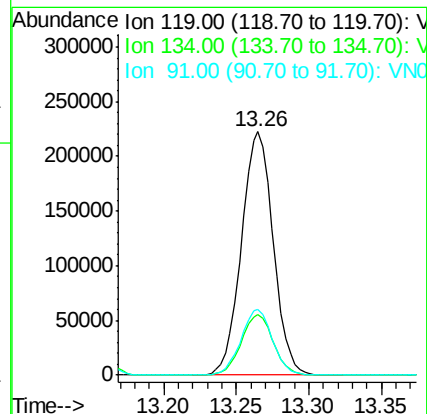
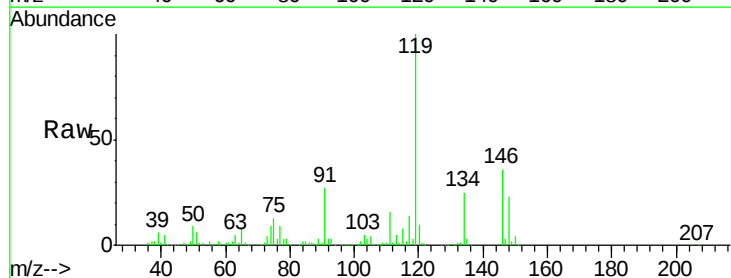
Tgt Ion:119 Resp: 337134

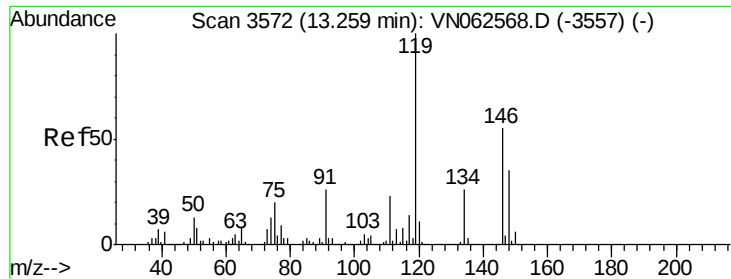
Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.4

91 27.0 12.7 38.1

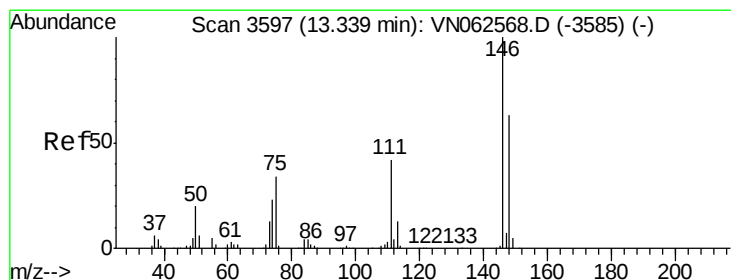
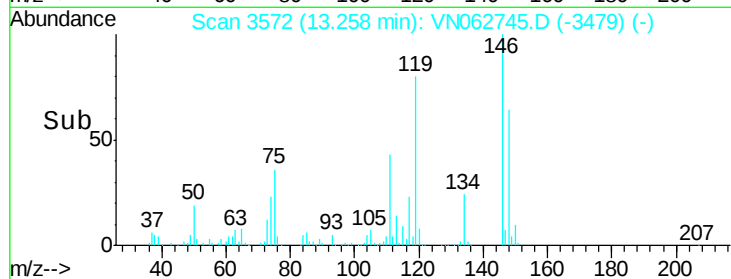
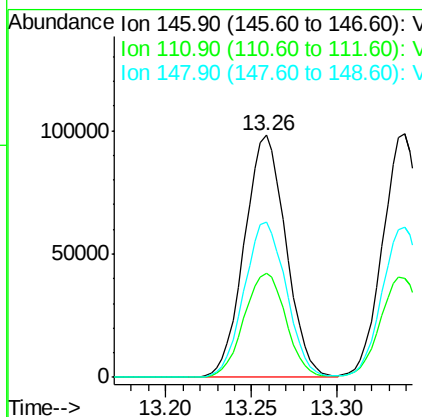
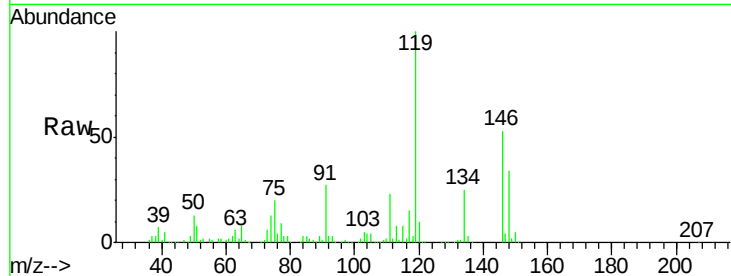




#87
 1,3-Dichlorobenzene
 Concen: 44.616 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

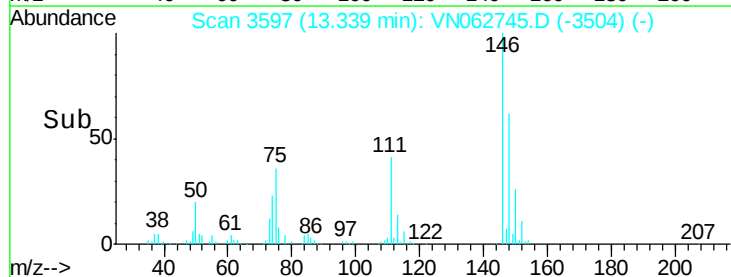
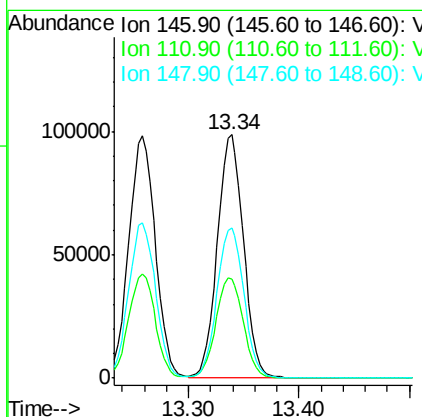
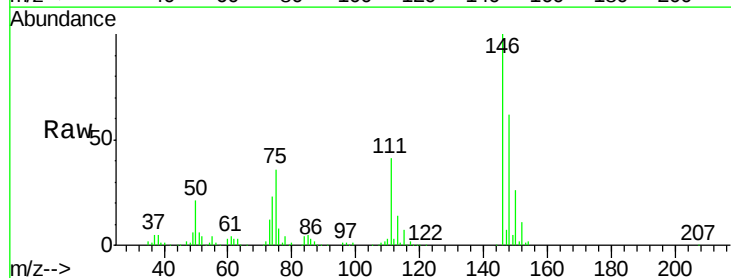
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 164562
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.6 64.6
 148 65.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 44.820 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion:146 Resp: 162734
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.1 63.1
 148 62.9 31.6 94.8





#89

n-Butylbenzene

Concen: 46.171 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

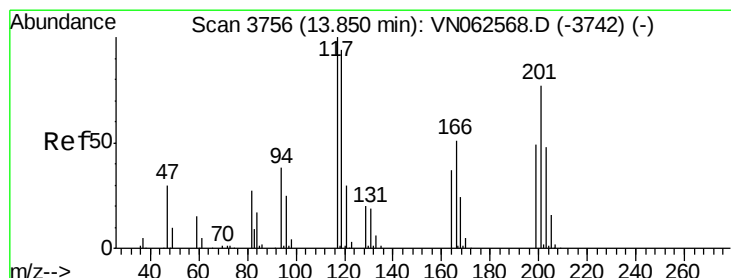
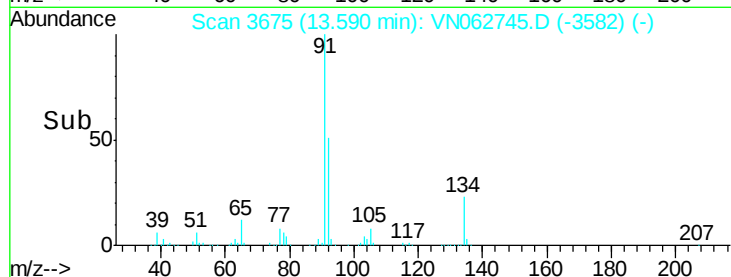
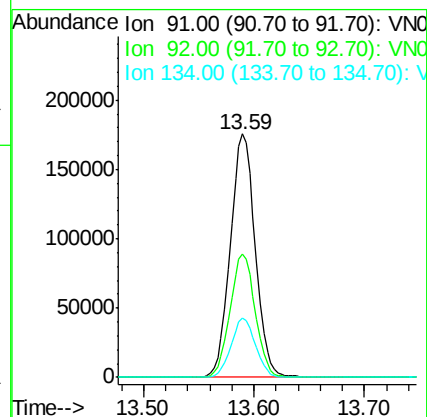
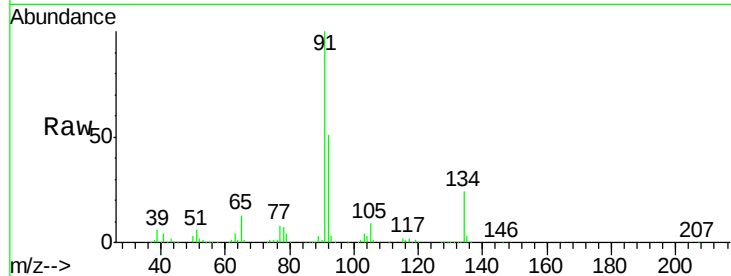
Tot Ion: 91 Resp: 275182

Ion Ratio Lower Upper

91 100

92 51.1 25.8 77.3

134 24.0 11.8 35.3



#90

Hexachloroethane

Concen: 42.383 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062745.D

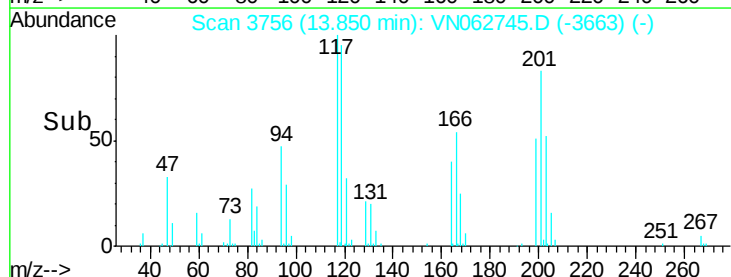
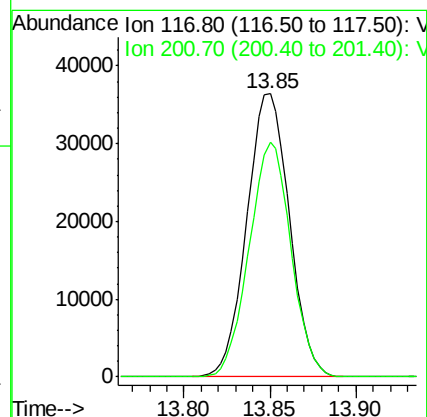
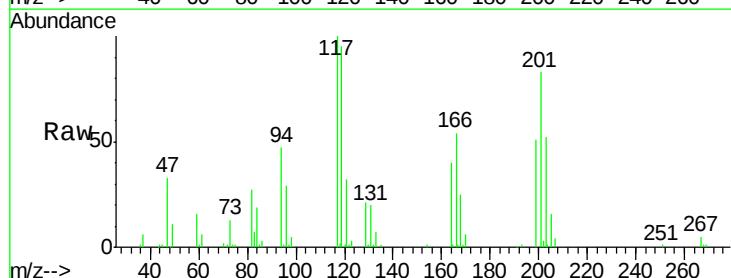
Acq: 3 Aug 2020 19:02

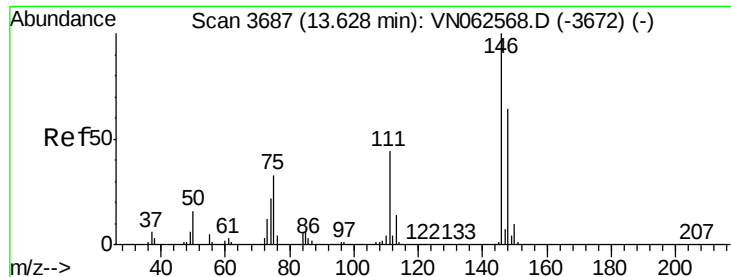
Tgt Ion: 117 Resp: 62585

Ion Ratio Lower Upper

117 100

201 81.1 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 45.216 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

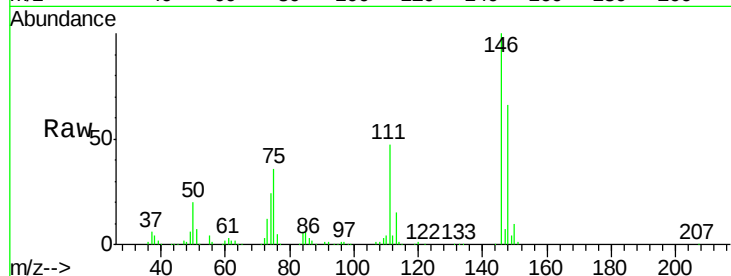
Tot Ion:146 Resp: 159468

Ion Ratio Lower Upper

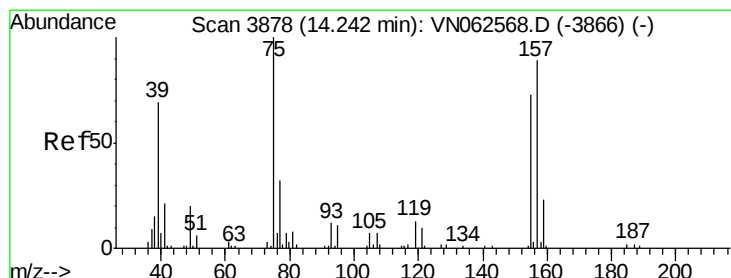
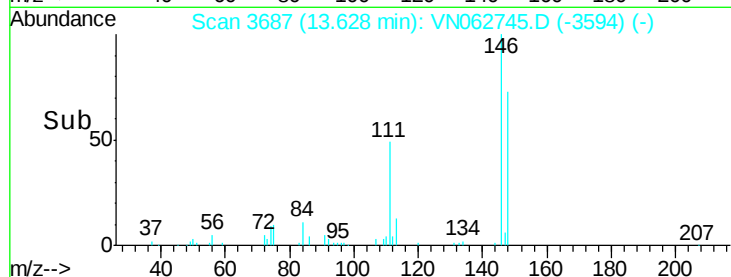
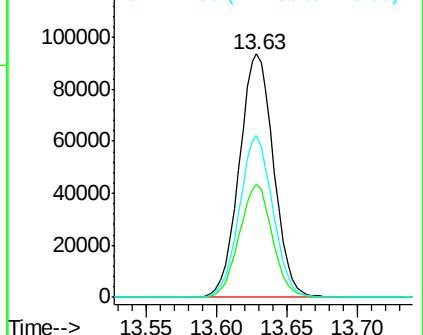
146 100

111 44.8 21.9 65.8

148 64.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.610 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

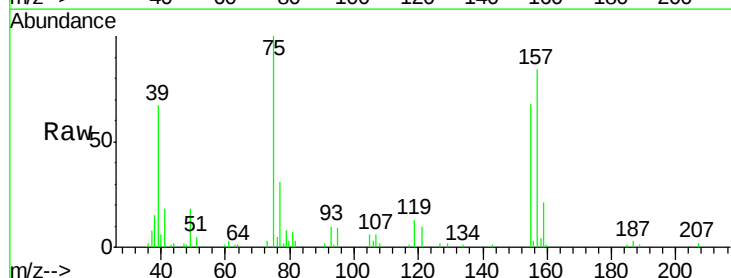
Tgt Ion: 75 Resp: 26823

Ion Ratio Lower Upper

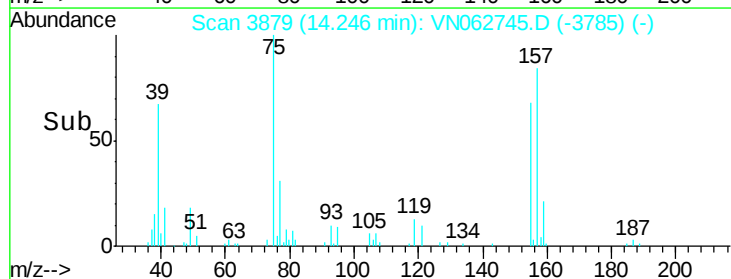
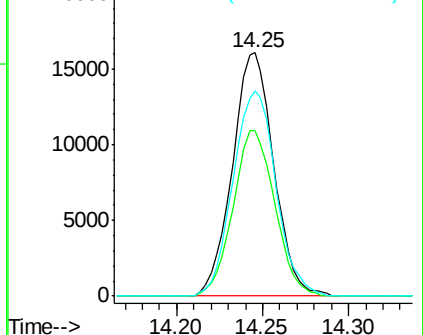
75 100

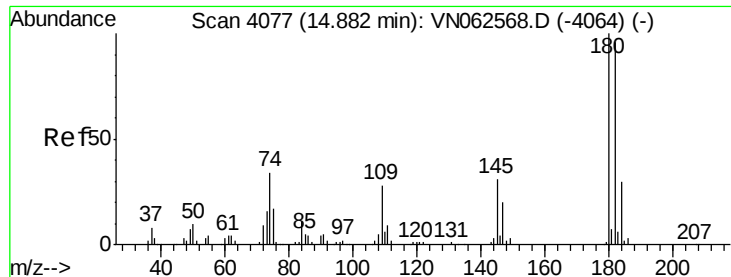
155 68.7 35.9 107.5

157 87.6 45.0 135.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

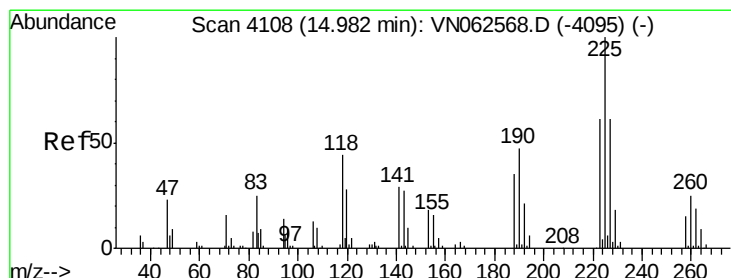
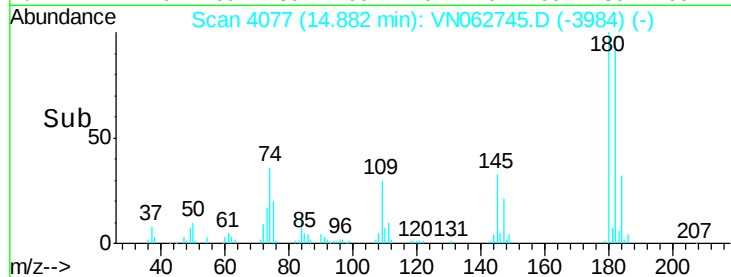
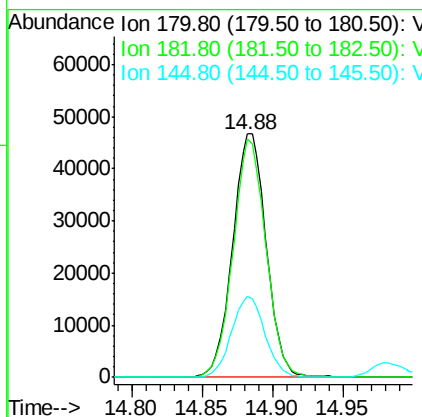
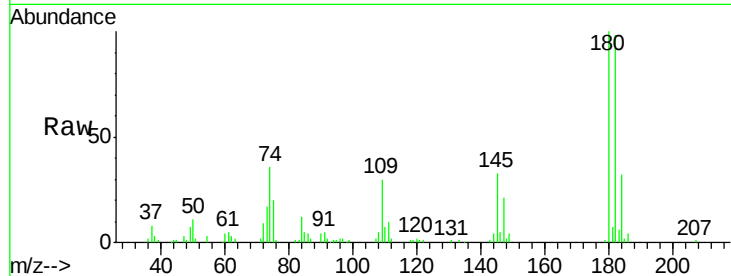




#93
 1,2,4-Trichlorobenzene
 Concen: 42.562 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

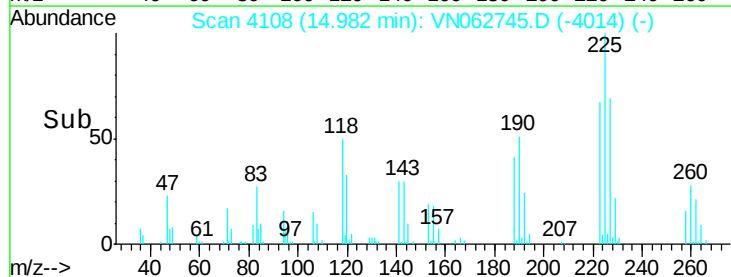
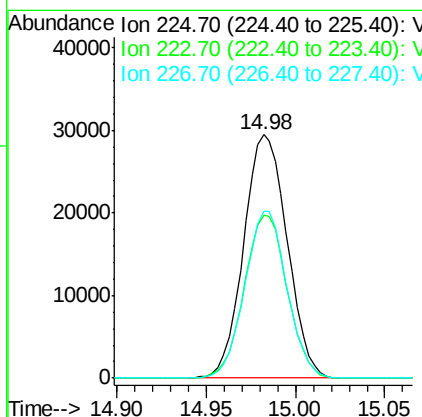
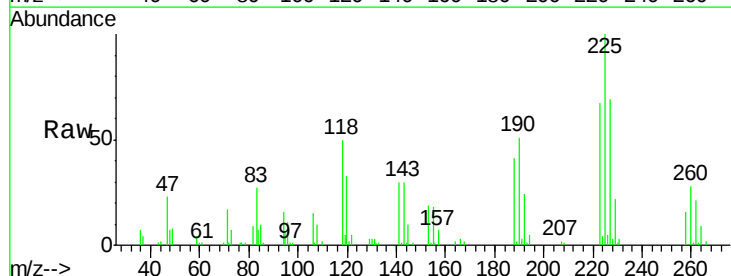
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

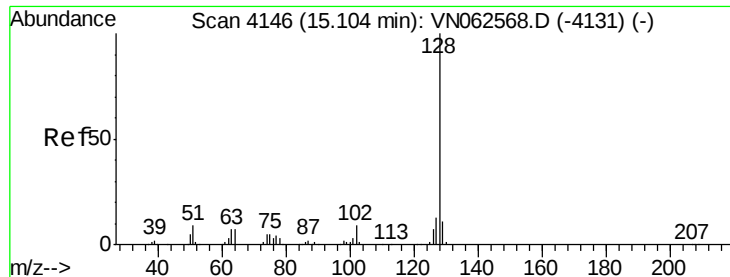
Tot Ion:180 Resp: 78013
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.3
 145 33.0 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 52.529 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062745.D
 Acq: 3 Aug 2020 19:02

Tgt Ion:225 Resp: 50097
 Ion Ratio Lower Upper
 225 100
 223 66.1 32.0 96.0
 227 66.5 31.1 93.2





#95

Naphthalene

Concen: 41.701 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

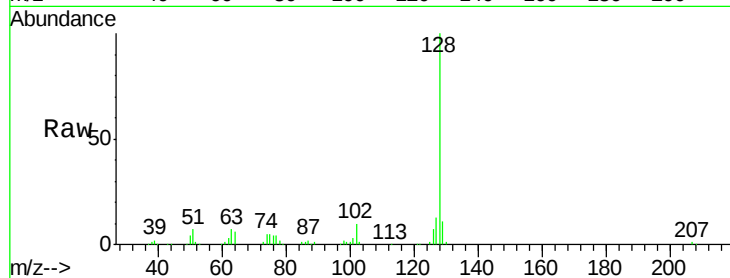
Tot Ion:128 Resp: 201802

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

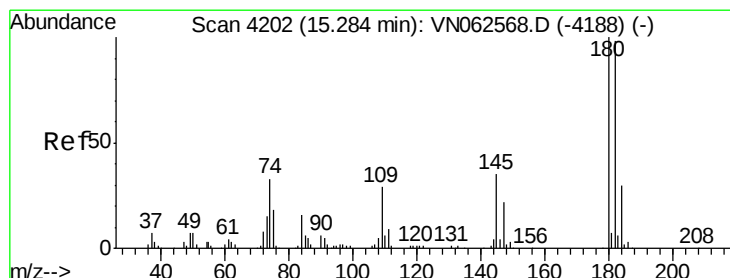
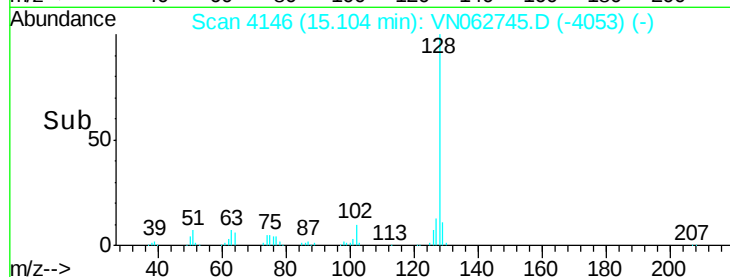
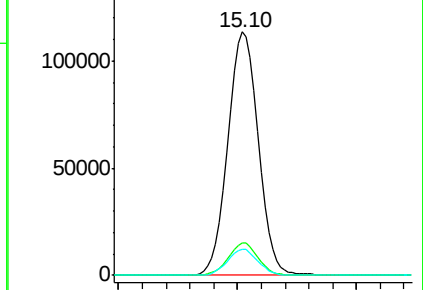
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.914 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062745.D

Acq: 3 Aug 2020 19:02

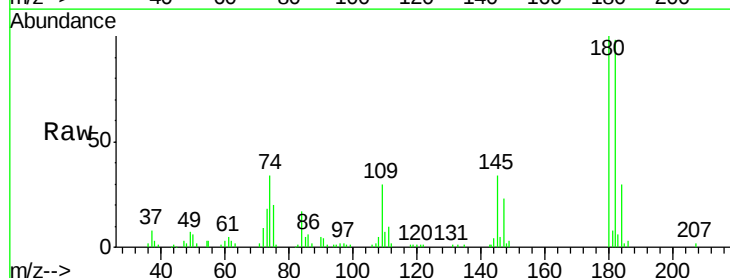
Tgt Ion:180 Resp: 76311

Ion Ratio Lower Upper

180 100

182 96.8 48.1 144.3

145 34.5 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

