

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062482.D
 Acq On : 10 Jul 2020 2:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 10 02:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	366189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	333791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	153514	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
35) Dibromofluoromethane	7.55	113	110458	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
50) Toluene-d8	10.06	98	440993	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.37	95	160717	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102304	48.346	ug/l	96
3) Chloromethane	2.03	50	155643	45.840	ug/l	99
4) Vinyl Chloride	2.16	62	140750	50.597	ug/l	96
5) Bromomethane	2.52	94	61298	41.029	ug/l	95
6) Chloroethane	2.66	64	82616	50.991	ug/l	100
7) Trichlorofluoromethane	2.98	101	175497	49.674	ug/l	98
8) Diethyl Ether	3.37	74	82651	52.317	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	105094	50.180	ug/l	100
10) Methyl Iodide	3.91	142	121208	43.830	ug/l	100
11) Tert butyl alcohol	4.73	59	139262	262.728	ug/l	98
12) 1,1-Dichloroethene	3.70	96	107457	50.395	ug/l	99
13) Acrolein	3.57	56	94613	247.435	ug/l	98
14) Allyl chloride	4.27	41	239267	47.711	ug/l	99
15) Acrylonitrile	4.93	53	357448	257.125	ug/l	100
16) Acetone	3.77	43	297665	219.416	ug/l	99
17) Carbon Disulfide	4.01	76	311429	46.610	ug/l	99
18) Methyl Acetate	4.28	43	176506	52.135	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	414513	51.274	ug/l	99
20) Methylene Chloride	4.50	84	140413	48.408	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	117144	50.711	ug/l	96
22) Diisopropyl ether	5.90	45	505194	50.989	ug/l	98
23) Vinyl Acetate	5.84	43	2071255	252.361	ug/l	99
24) 1,1-Dichloroethane	5.80	63	259113	50.610	ug/l	99
25) 2-Butanone	6.79	43	488597	246.608	ug/l	99
26) 2,2-Dichloropropane	6.78	77	161227	41.071	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	137406	51.354	ug/l	97
28) Bromochloromethane	7.15	49	134010	48.178	ug/l	96
29) Tetrahydrofuran	7.17	42	335582	251.580	ug/l	99
30) Chloroform	7.33	83	236866	51.240	ug/l	99
31) Cyclohexane	7.61	56	229444	47.273	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	196309	51.053	ug/l	99
36) 1,1-Dichloropropene	7.75	75	179043	48.530	ug/l	99
37) Ethyl Acetate	6.88	43	205313	47.593	ug/l	100
38) Carbon Tetrachloride	7.73	117	165157	49.794	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	196000	49.763	ug/l	99
40) Benzene	8.00	78	543937	50.025	ug/l	99
41) Methacrylonitrile	7.13	41	103470	57.407	ug/l	92
42) 1,2-Dichloroethane	8.09	62	201494	50.610	ug/l	100
43) Isopropyl Acetate	8.13	43	342552	50.266	ug/l	93
44) Trichloroethene	8.80	130	121821	50.497	ug/l	99
45) 1,2-Dichloropropane	9.09	63	159071	50.396	ug/l	99
46) Dibromomethane	9.18	93	90375	50.737	ug/l	99
47) Bromodichloromethane	9.37	83	193307	50.760	ug/l	99
48) Methyl methacrylate	9.17	41	167996	50.255	ug/l	99
49) 1,4-Dioxane	9.17	88	48873	1004.455	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1042950	256.230	ug/l	99
52) Toluene	10.12	92	322429	51.338	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	213039	49.932	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	234062	49.721	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	128028	51.830	ug/l	98
56) Ethyl methacrylate	10.40	69	221330	48.732	ug/l	99
57) 1,3-Dichloropropane	10.68	76	235560	51.618	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	402585	274.718	ug/l	98
59) 2-Hexanone	10.72	43	757256	256.265	ug/l	98
60) Dibromochloromethane	10.87	129	137731	51.425	ug/l	98
61) 1,2-Dibromoethane	10.98	107	130145	52.193	ug/l	100
64) Tetrachloroethene	10.60	164	100486	50.732	ug/l	97
65) Chlorobenzene	11.41	112	335378	51.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	124132	51.888	ug/l	99
67) Ethyl Benzene	11.48	91	627214	51.507	ug/l	99
68) m/p-Xylenes	11.60	106	453272	105.147	ug/l	98
69) o-Xylene	11.92	106	221463	52.764	ug/l	98
70) Styrene	11.94	104	381586	55.009	ug/l	98
71) Bromoform	12.10	173	94058	53.633	ug/l #	98
73) Isopropylbenzene	12.22	105	587963	49.673	ug/l	100
74) N-amyl acetate	12.05	43	302052	52.428	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	198764	49.941	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	255859	68.170	ug/l #	100
77) Bromobenzene	12.50	156	138497	51.467	ug/l	94
78) n-propylbenzene	12.57	91	696014	50.339	ug/l	100
79) 2-Chlorotoluene	12.65	91	417960	49.806	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	501868	51.720	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	64914	46.293	ug/l	98
82) 4-Chlorotoluene	12.75	91	432592	50.777	ug/l	100
83) tert-Butylbenzene	12.97	119	420908	51.114	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	498911	51.727	ug/l	100
85) sec-Butylbenzene	13.15	105	557983	51.136	ug/l	100
86) p-Isopropyltoluene	13.26	119	490733	52.107	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	241460	52.013	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	239970	50.237	ug/l	99
89) n-Butylbenzene	13.59	91	424236	51.016	ug/l	99
90) Hexachloroethane	13.85	117	94977	51.267	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	235716	52.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	37106	51.089	ug/l	99

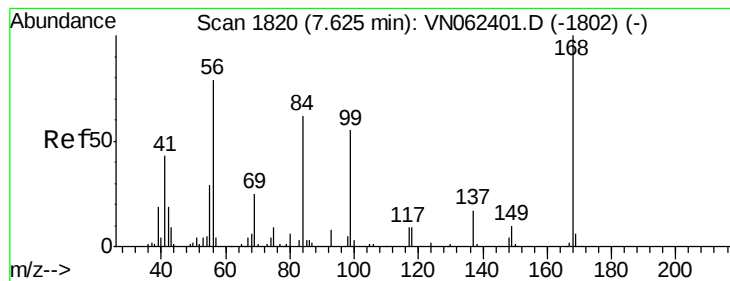
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	115475	47.172	ug/l	99
94) Hexachlorobutadiene	14.98	225	61719	51.788	ug/l	98
95) Naphthalene	15.10	128	314840	53.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	118128	48.949	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

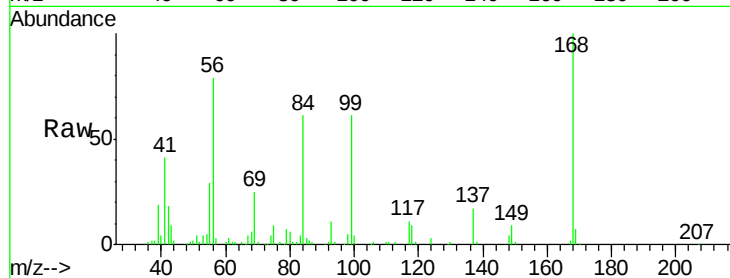
VSTDCCC050EC

Tot Ion:168 Resp: 207746

Ion Ratio Lower Upper

168 100

99 60.7 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

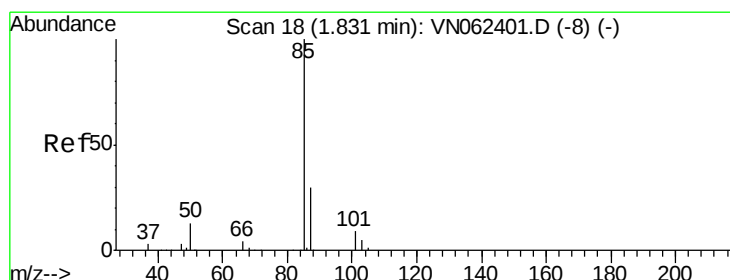
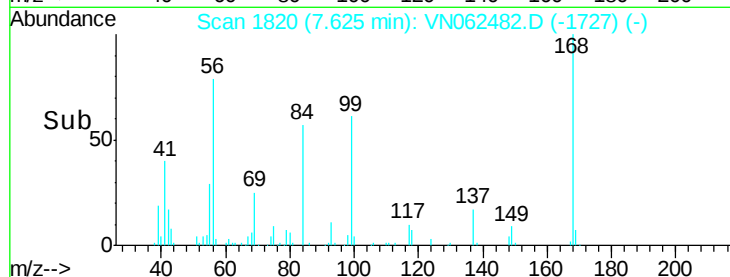
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.346 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062482.D

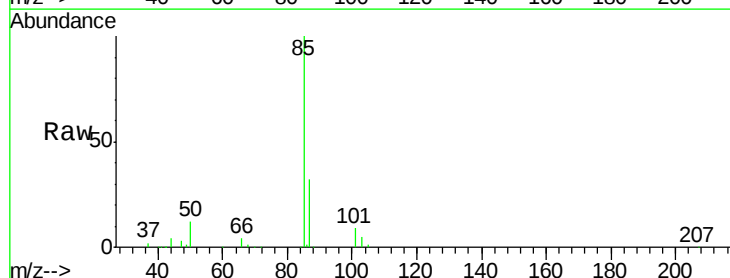
Acq: 10 Jul 2020 2:17

Tgt Ion: 85 Resp: 102304

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

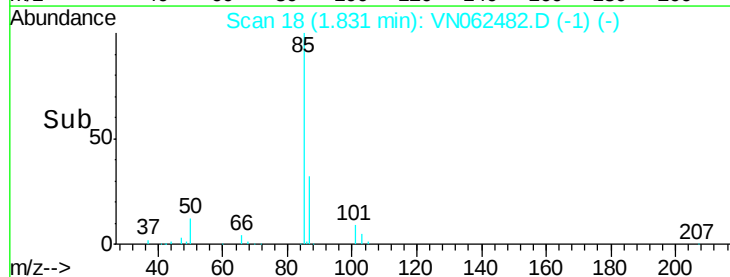
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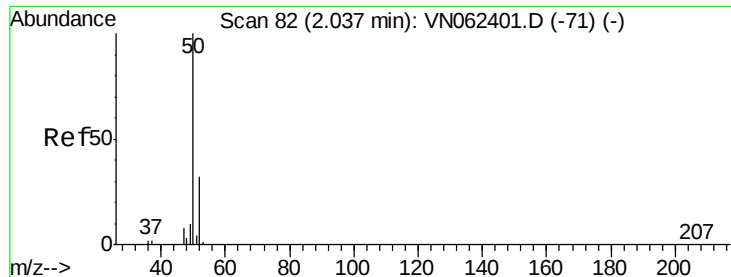
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 45.840 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

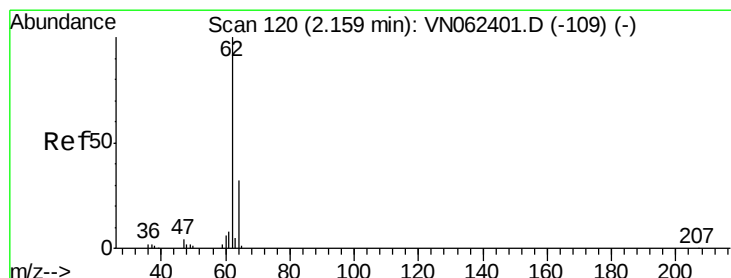
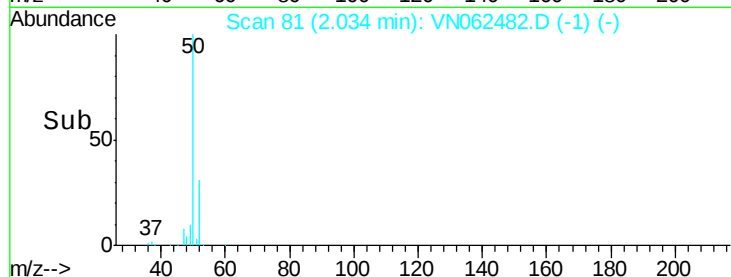
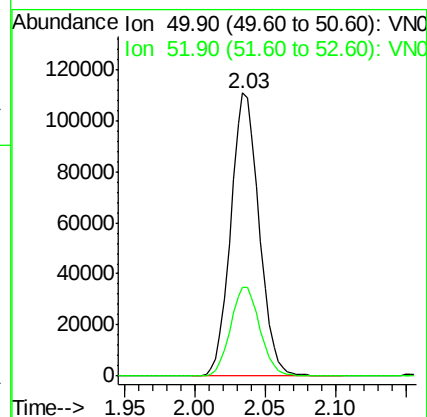
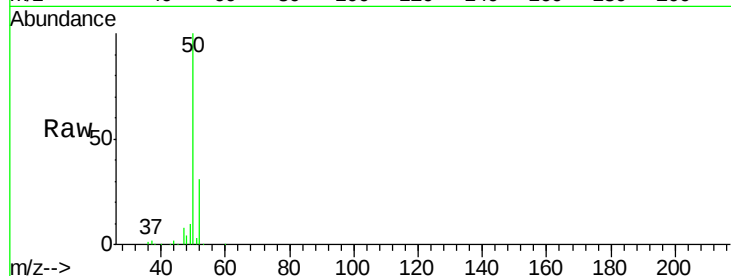
VSTDCCC050EC

Tot Ion: 50 Resp: 155643

Ion Ratio Lower Upper

50 100

52 31.5 25.5 38.3



#4

Vinyl Chloride

Concen: 50.597 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062482.D

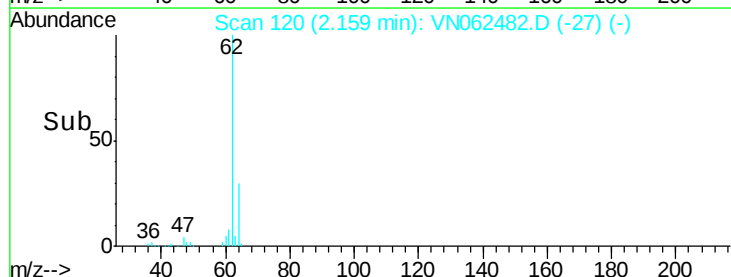
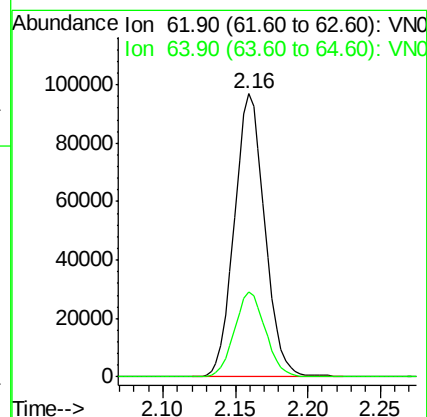
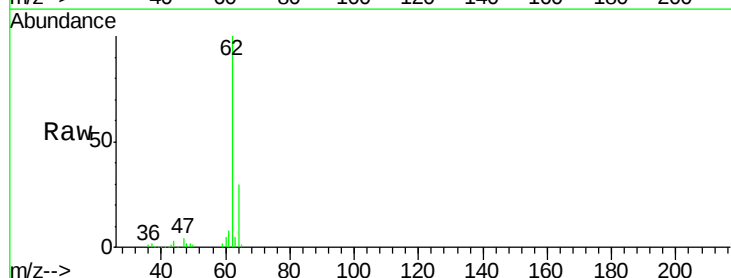
Acq: 10 Jul 2020 2:17

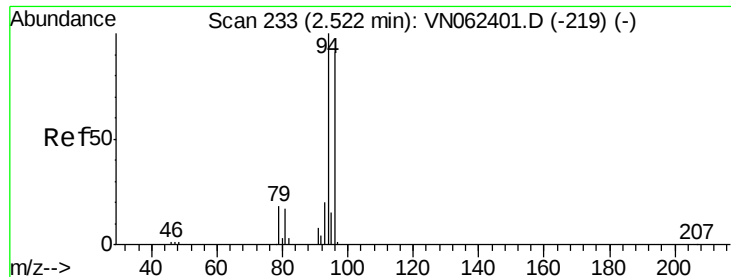
Tgt Ion: 62 Resp: 140750

Ion Ratio Lower Upper

62 100

64 30.0 25.7 38.5





#5

Bromomethane

Concen: 41.029 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

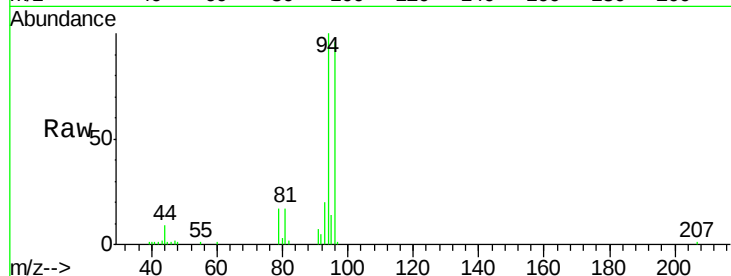
VSTDCCC050EC

Tot Ion: 94 Resp: 61298

Ion Ratio Lower Upper

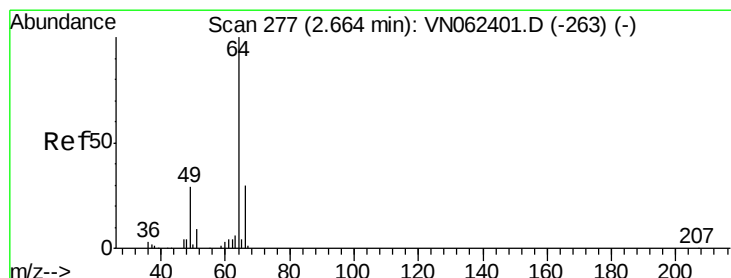
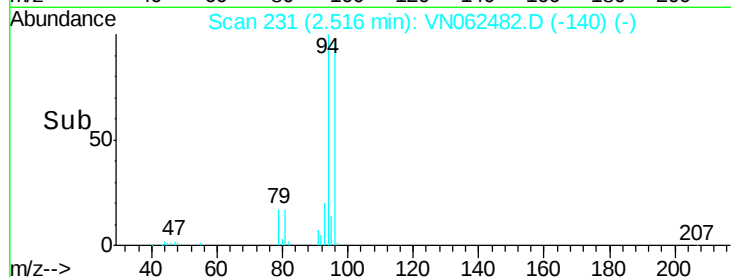
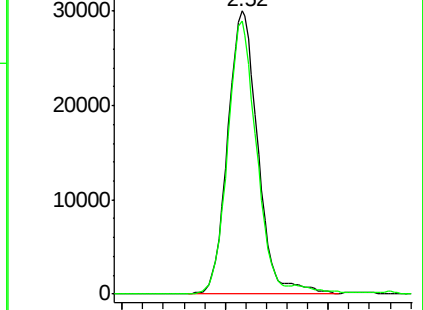
94 100

96 96.4 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VN062401.D (-219) (-)

Ion 95.90 (95.60 to 96.60): VN062401.D (-219) (-)



#6

Chloroethane

Concen: 50.991 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062482.D

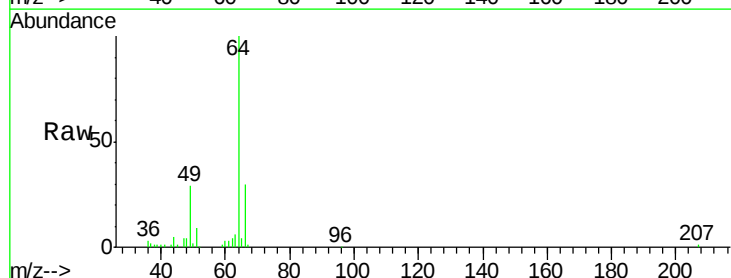
Acq: 10 Jul 2020 2:17

Tgt Ion: 64 Resp: 82616

Ion Ratio Lower Upper

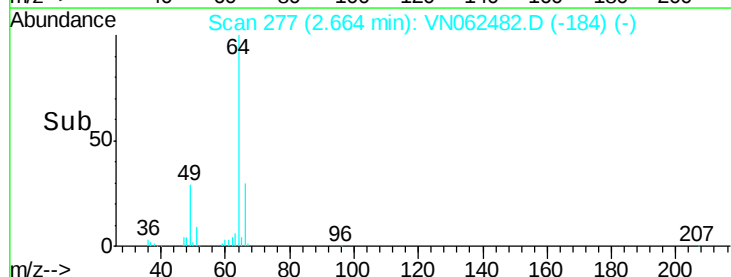
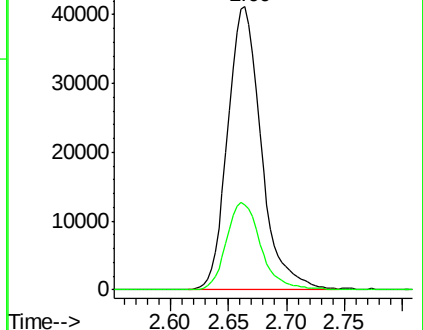
64 100

66 30.3 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN062401.D (-263) (-)

Ion 65.90 (65.60 to 66.60): VN062401.D (-263) (-)



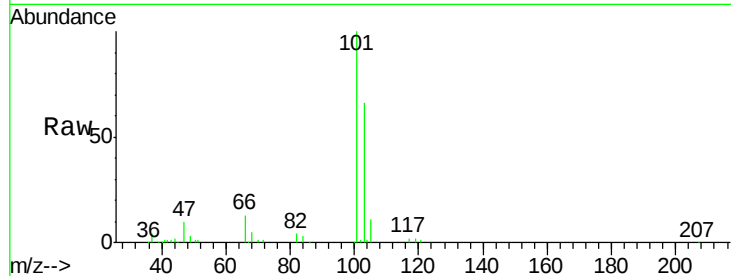


#7

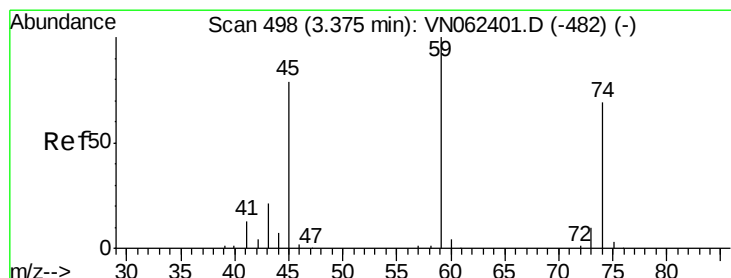
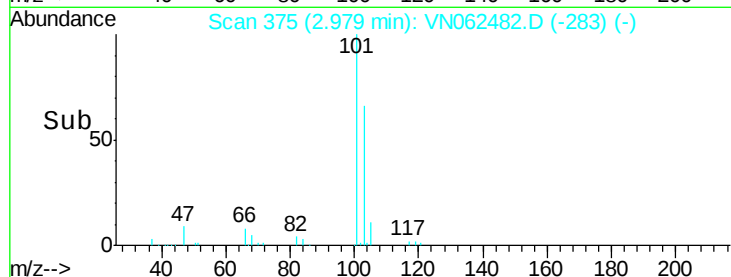
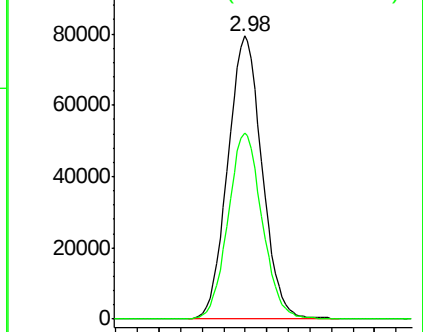
Trichlorofluoromethane
Concen: 49.674 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 175497
Ion Ratio Lower Upper
101 100
103 65.9 51.6 77.4



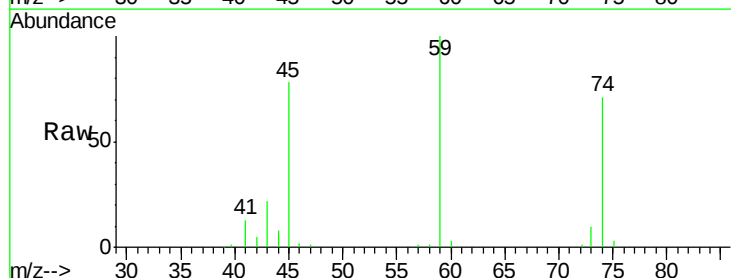
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



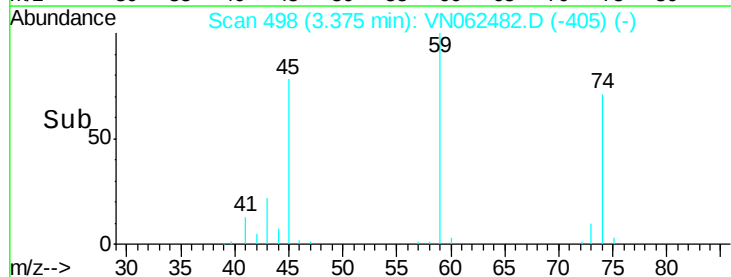
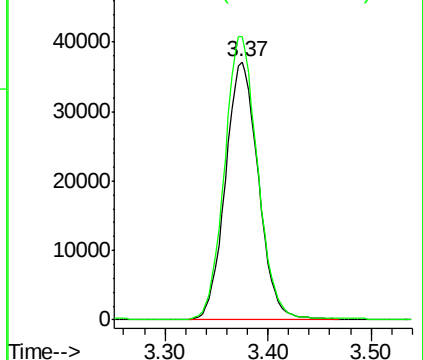
#8

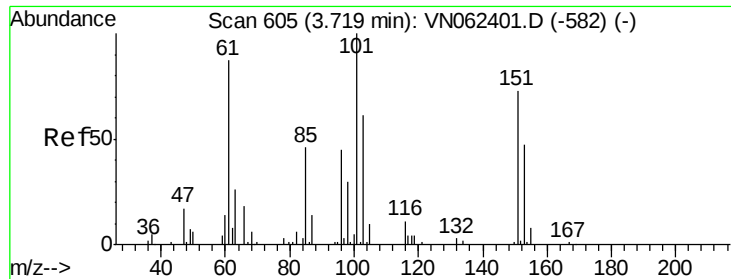
Diethyl Ether
Concen: 52.317 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 74 Resp: 82651
Ion Ratio Lower Upper
74 100
45 110.7 58.5 175.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.180 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

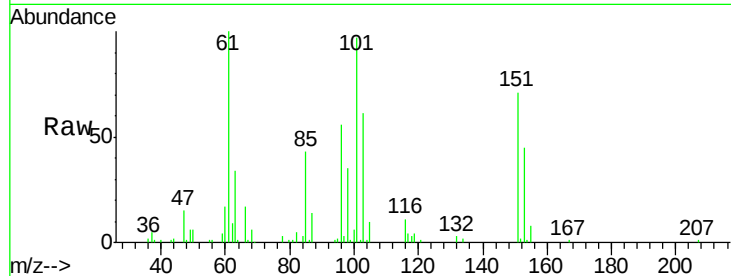
Tot Ion:101 Resp: 105094

Ion Ratio Lower Upper

101 100

85 45.8 36.7 55.1

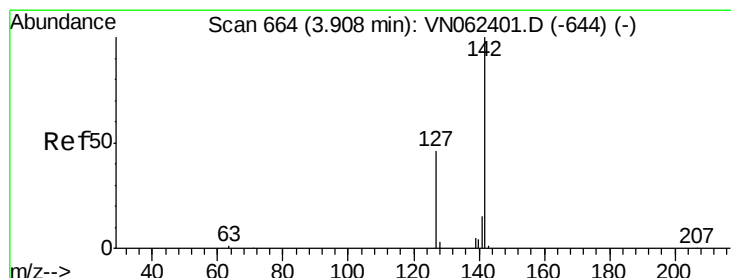
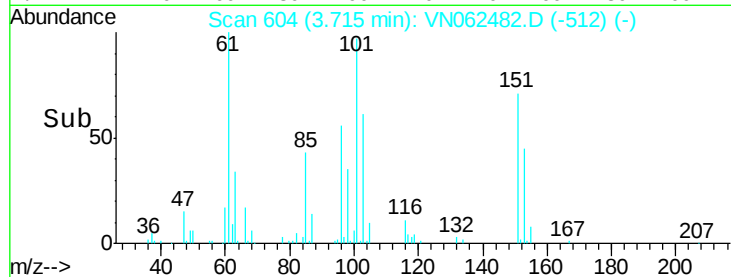
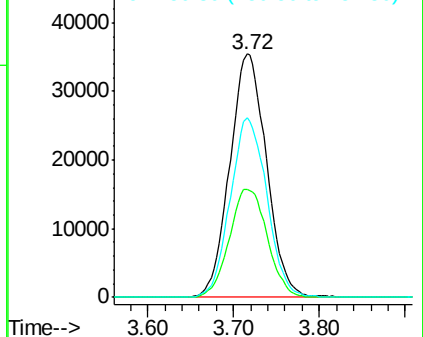
151 73.2 58.3 87.5



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: 43.830 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

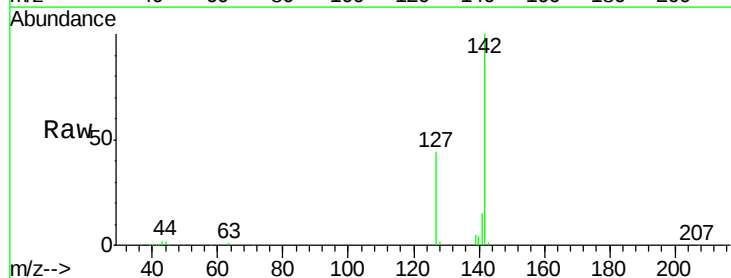
Tgt Ion:142 Resp: 121208

Ion Ratio Lower Upper

142 100

127 44.9 36.1 54.1

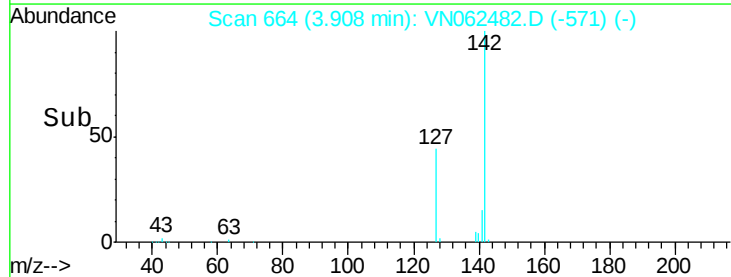
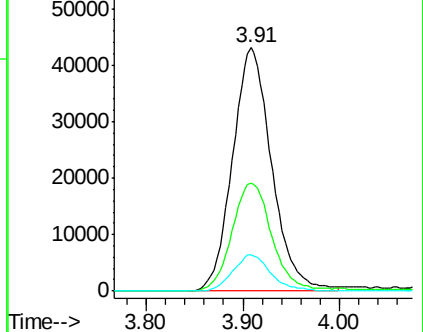
141 14.4 11.4 17.0

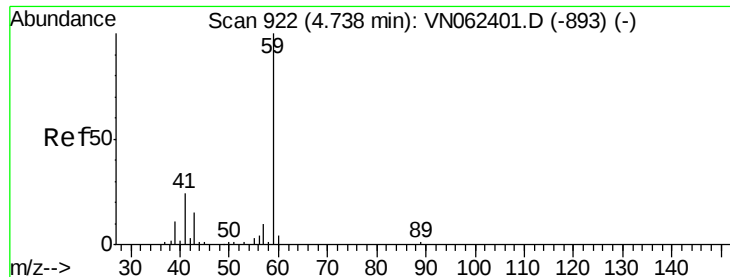


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



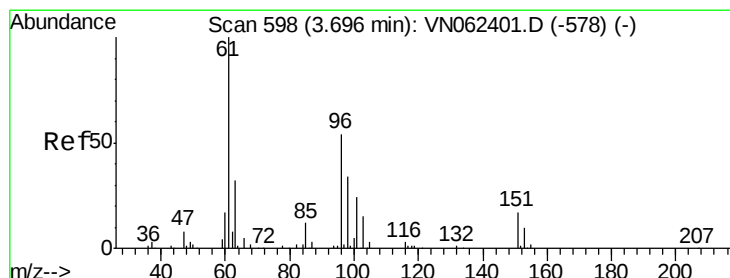
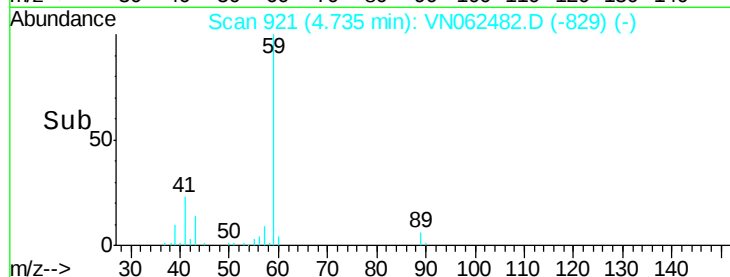
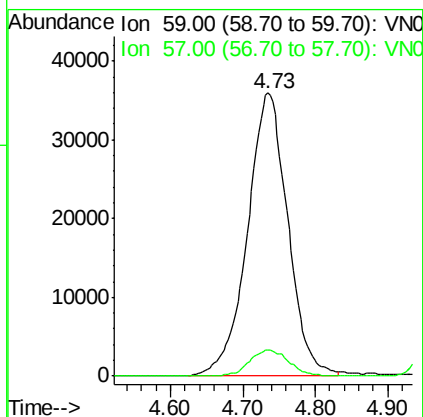
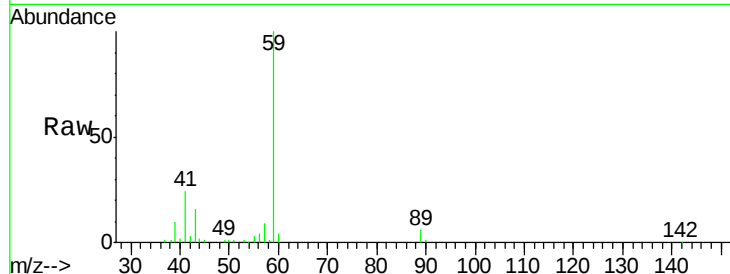


#11

Tert butyl alcohol
 Concen: 262.728 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

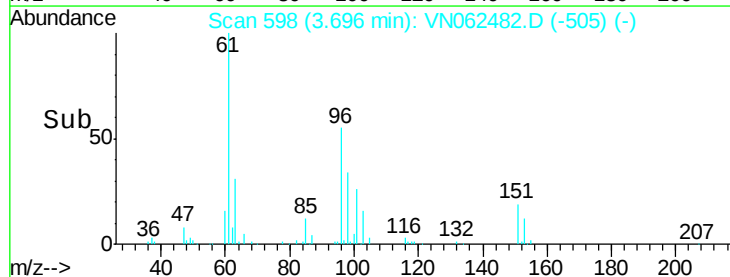
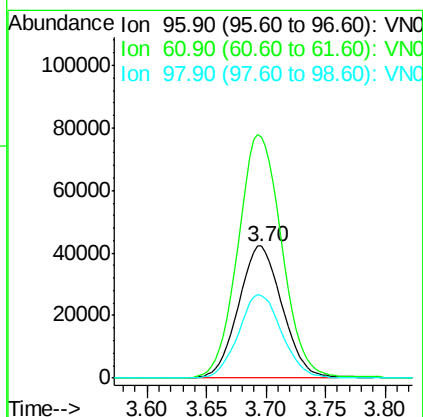
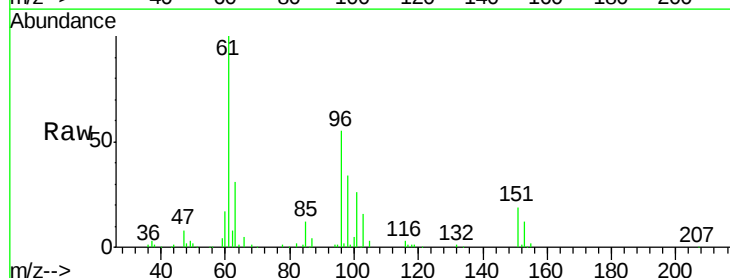
Tot Ion: 59 Resp: 139262
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.8 11.6

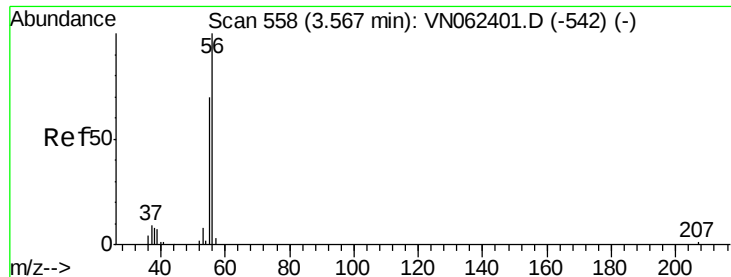


#12

1,1-Dichloroethene
 Concen: 50.395 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Tgt Ion: 96 Resp: 107457
 Ion Ratio Lower Upper
 96 100
 61 182.6 147.4 221.0
 98 62.5 50.4 75.6





#13

Acrolein

Concen: 247.435 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

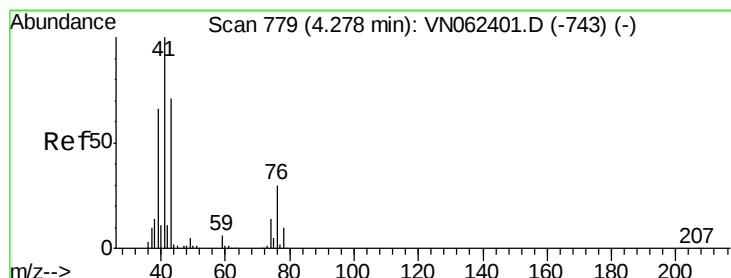
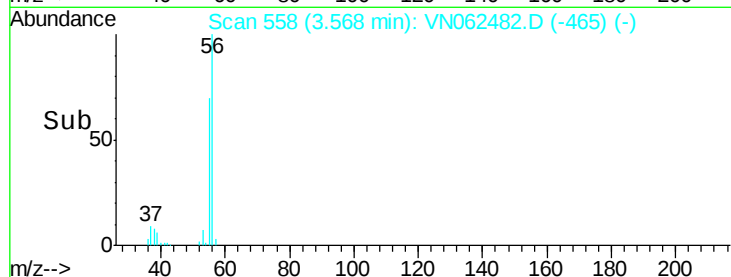
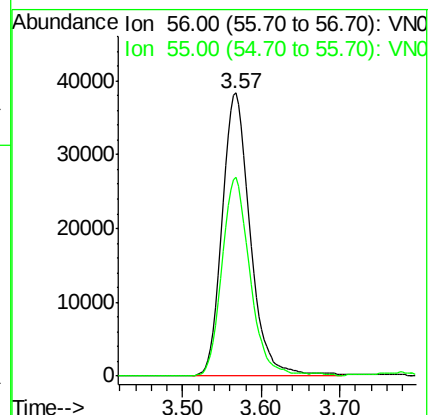
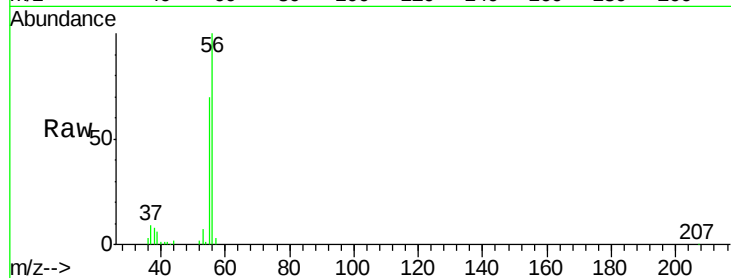
VSTDCCC050EC

Tot Ion: 56 Resp: 94613

Ion Ratio Lower Upper

56 100

55 69.5 57.2 85.8



#14

Allyl chloride

Concen: 47.711 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

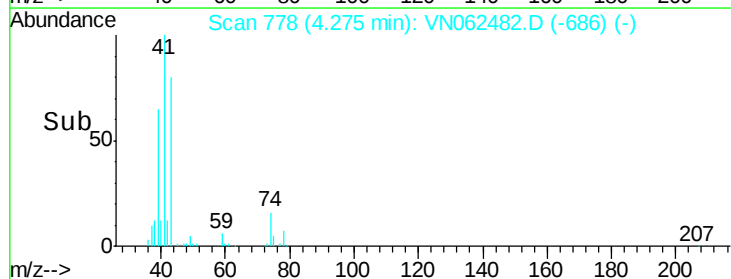
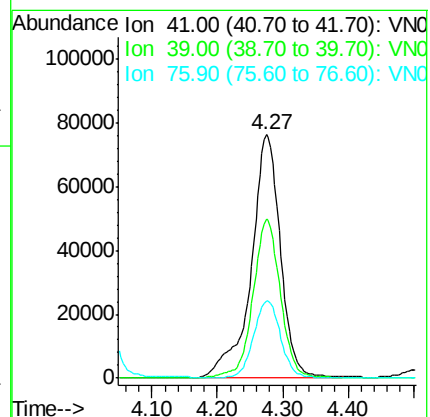
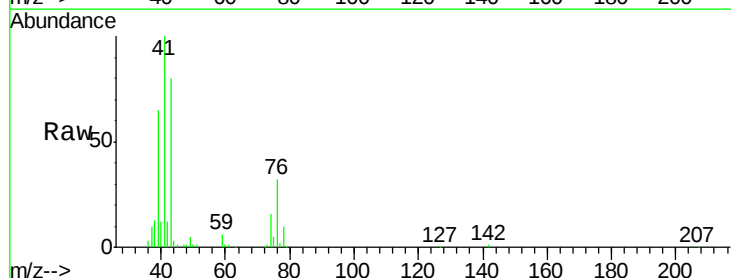
Tgt Ion: 41 Resp: 239267

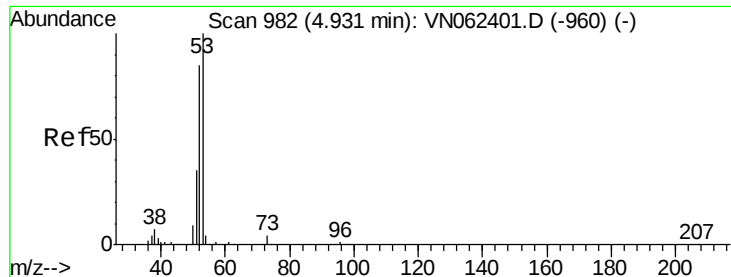
Ion Ratio Lower Upper

41 100

39 61.2 49.6 74.4

76 28.5 22.2 33.4





#15

Acrylonitrile

Concen: 257.125 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

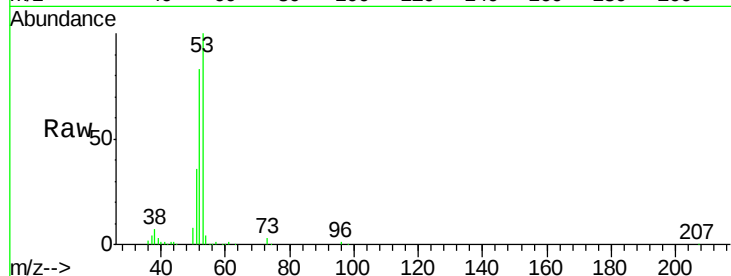
Tot Ion: 53 Resp: 357448

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.4

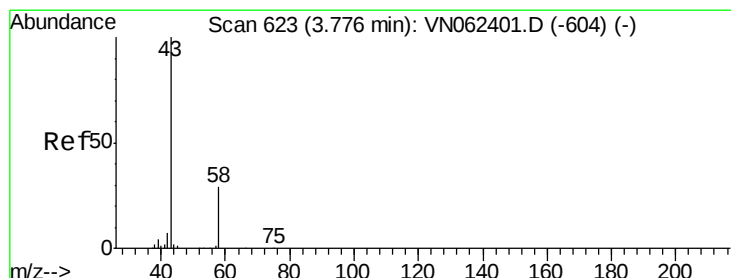
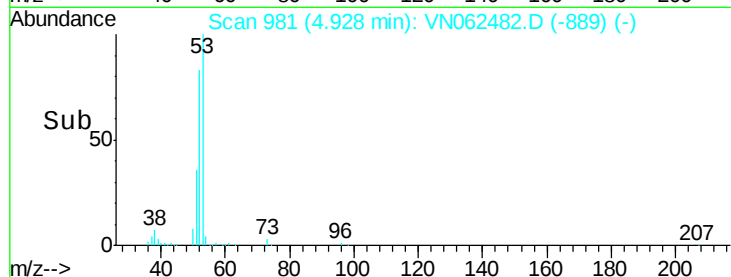
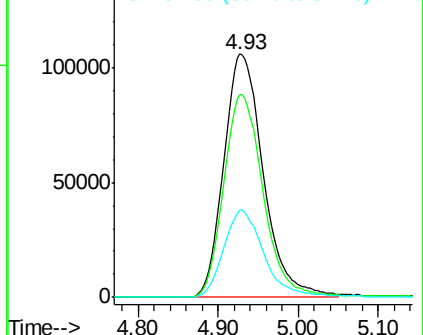
51 36.3 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN062401.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN062401.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN062401.D (-960) (-)



#16

Acetone

Concen: 219.416 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062482.D

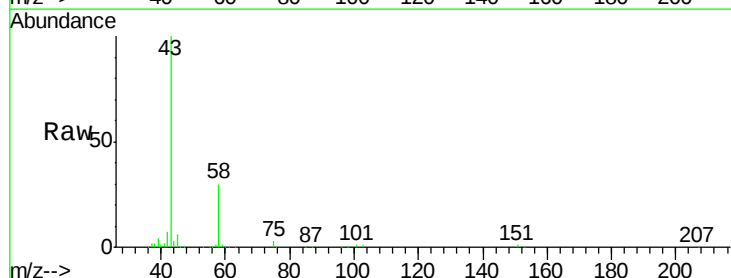
Acq: 10 Jul 2020 2:17

Tgt Ion: 43 Resp: 297665

Ion Ratio Lower Upper

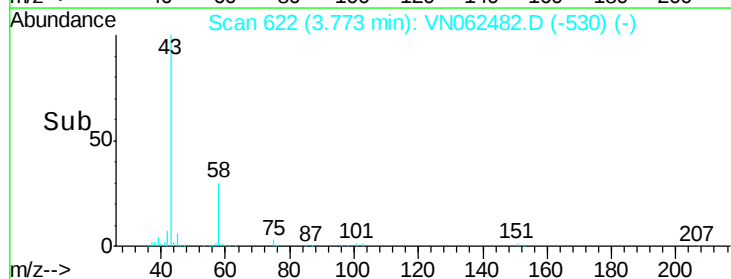
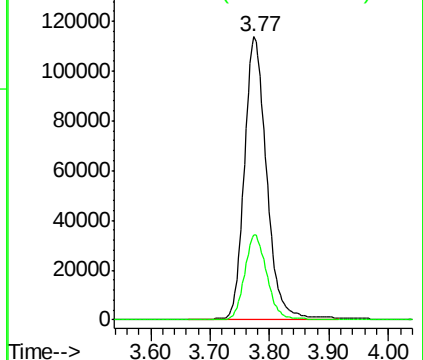
43 100

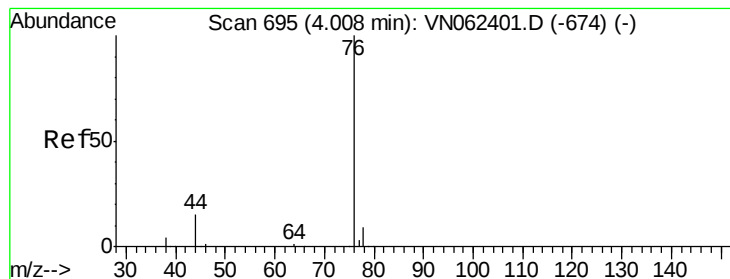
58 30.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-604) (-)





#17

Carbon Disulfide

Concen: 46.610 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

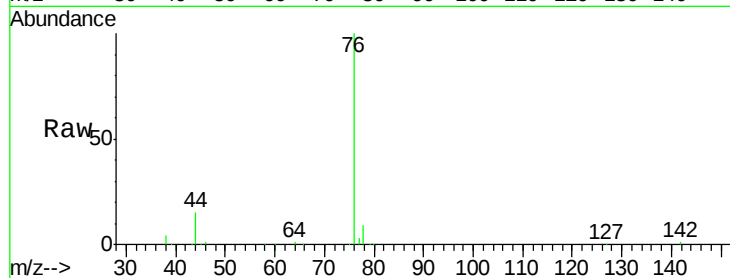
VSTDCCC050EC

Tot Ion: 76 Resp: 311429

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062401.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062401.D (-674) (-)

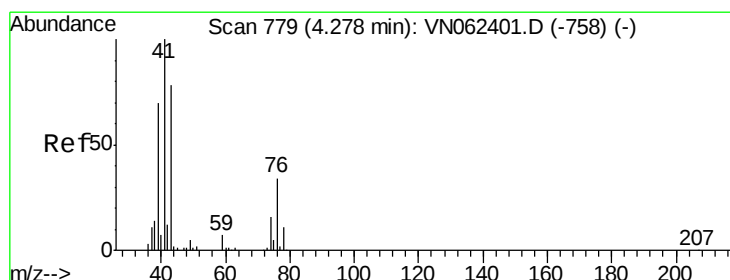
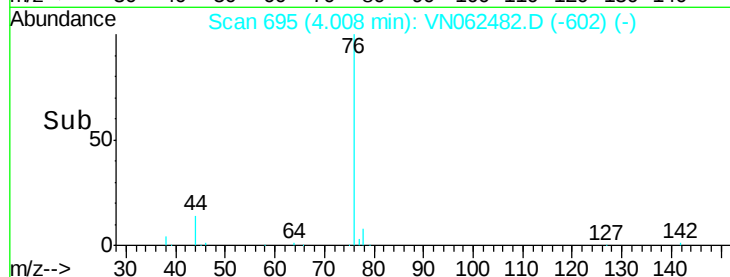
4.01

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.135 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062482.D

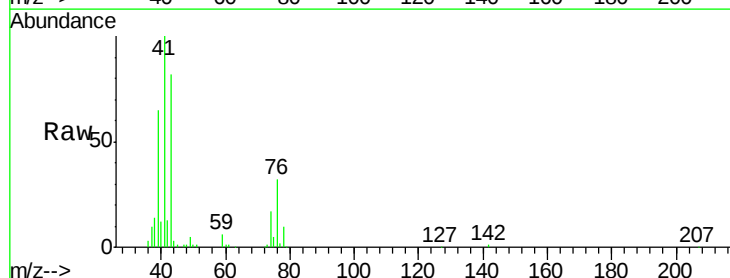
Acq: 10 Jul 2020 2:17

Tgt Ion: 43 Resp: 176506

Ion Ratio Lower Upper

43 100

74 20.9 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN062401.D (-758) (-)

4.28

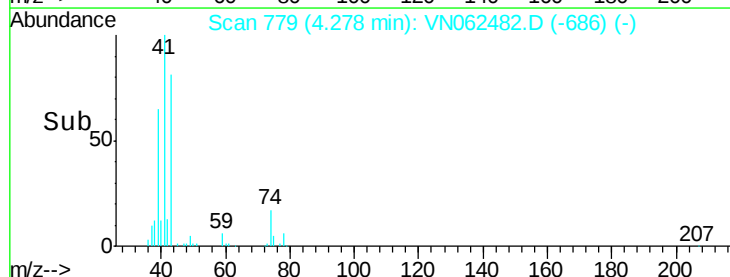
60000

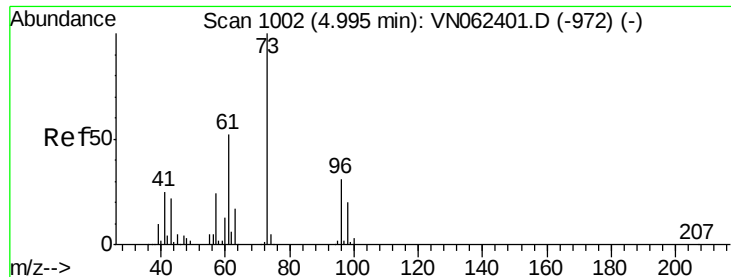
40000

20000

0

Time-->

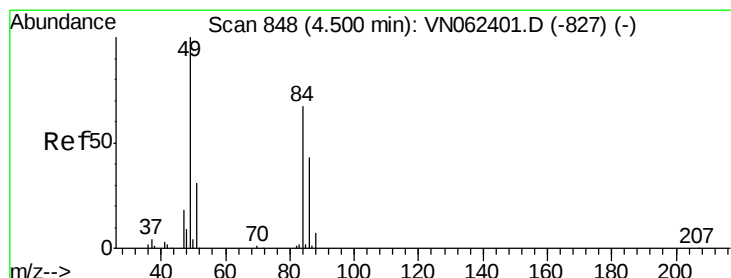
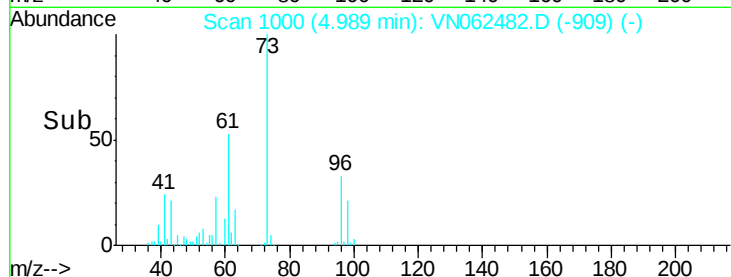
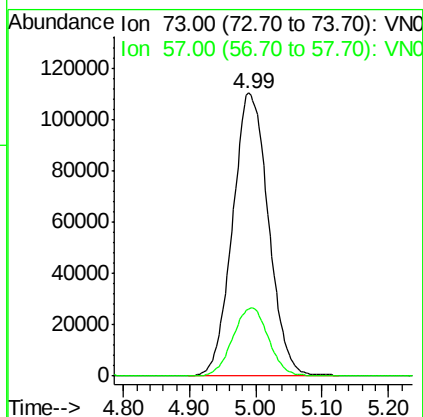
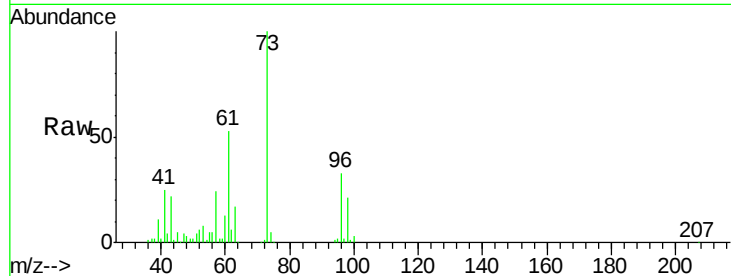




#19
Methvl tert-butvl Ether
Concen: 51.274 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

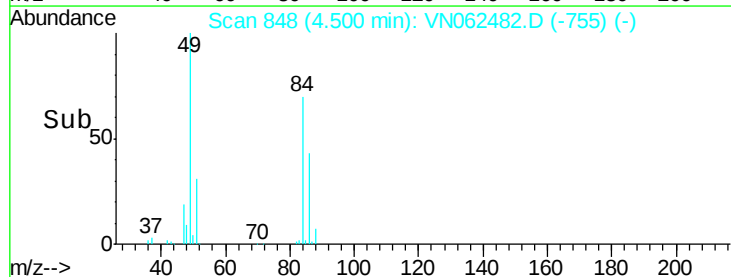
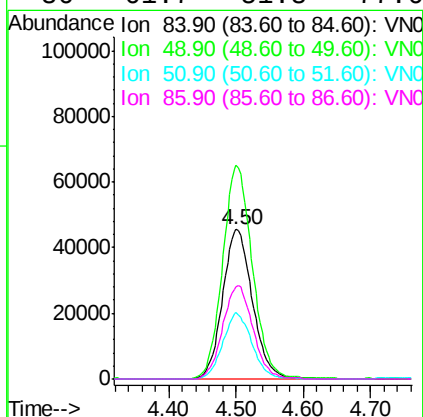
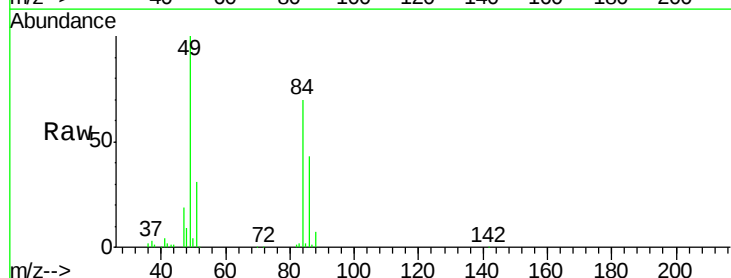
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

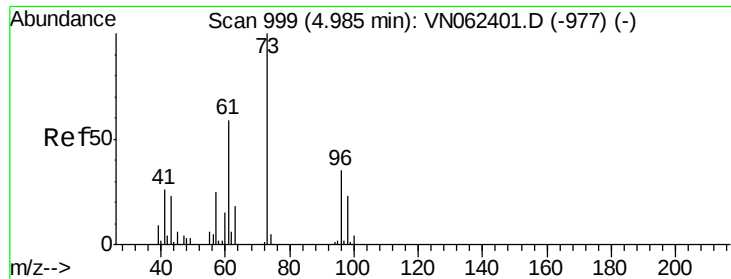
Tot Ion: 73 Resp: 414513
Ion Ratio Lower Upper
73 100
57 23.8 19.4 29.0



#20
Methylene Chloride
Concen: 48.408 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 84 Resp: 140413
Ion Ratio Lower Upper
84 100
49 142.7 120.0 180.0
51 44.2 37.0 55.6
86 61.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.711 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

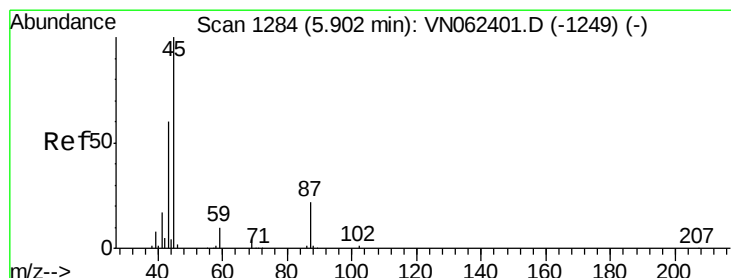
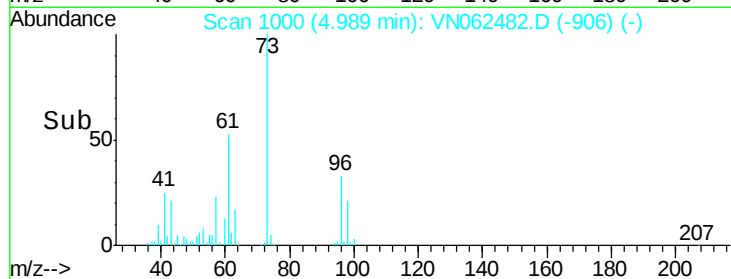
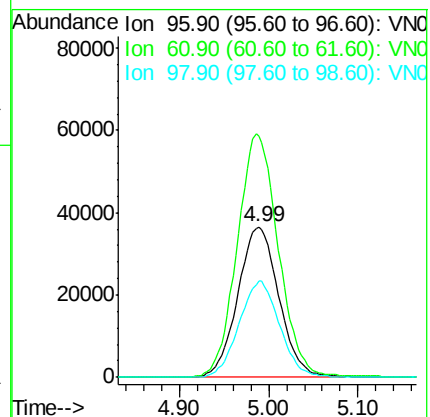
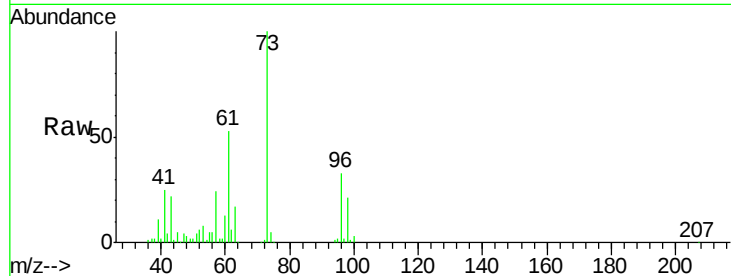
Tot Ion: 96 Resp: 117144

Ion Ratio Lower Upper

96 100

61 159.8 133.5 200.3

98 64.5 51.9 77.9



#22

Diisopropyl ether

Concen: 50.989 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Tgt Ion: 45 Resp: 505194

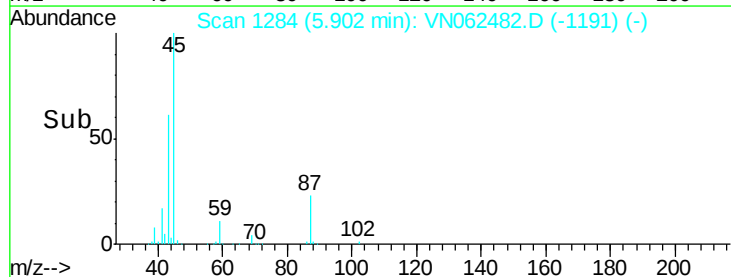
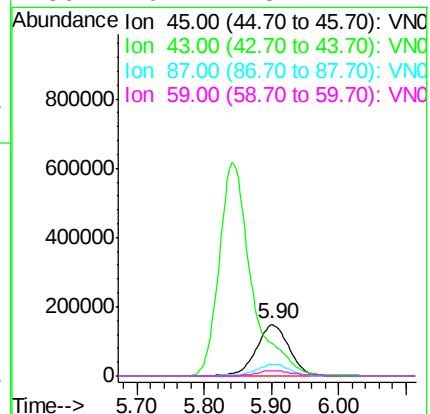
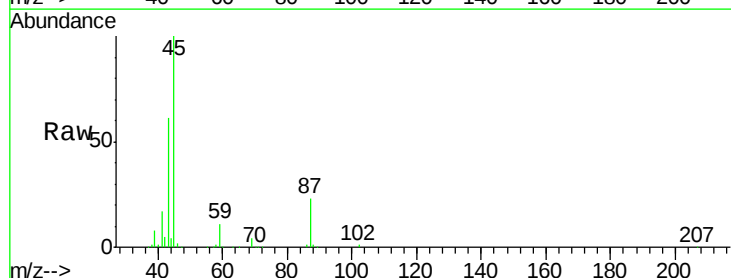
Ion Ratio Lower Upper

45 100

43 60.0 50.1 75.1

87 23.2 18.2 27.4

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 252.361 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

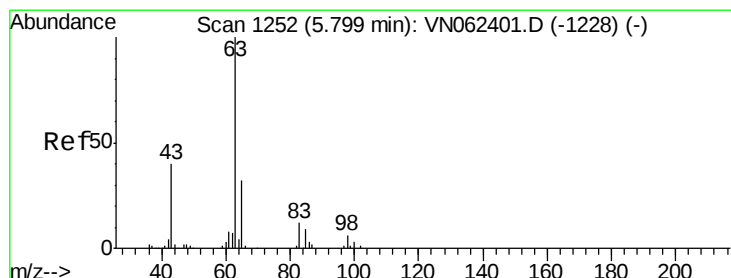
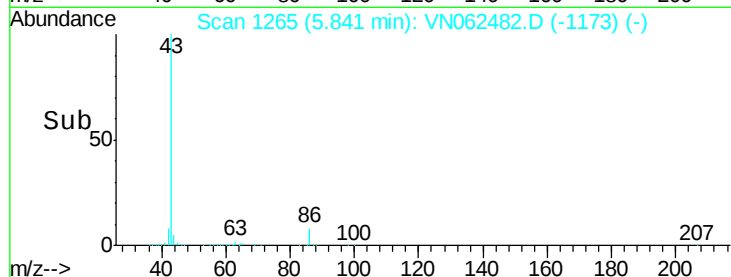
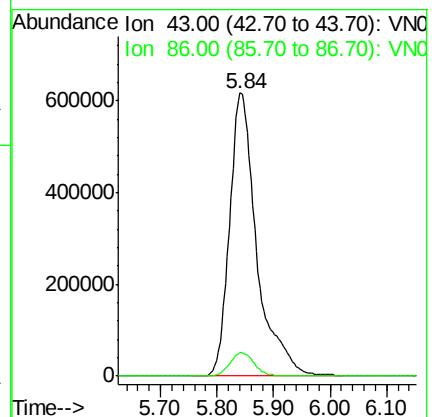
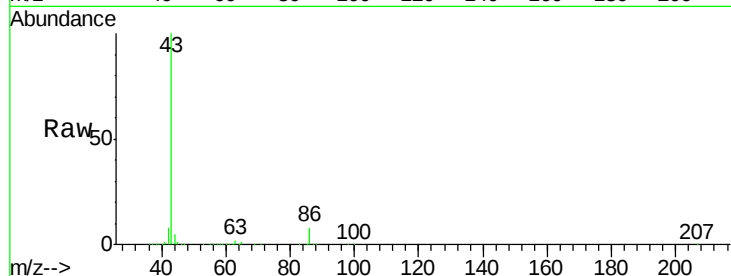
VSTDCCC050EC

Tot Ion: 43 Resp: 2071255

Ion Ratio Lower Upper

43 100

86 8.1 6.7 10.1



#24

1,1-Dichloroethane

Concen: 50.610 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

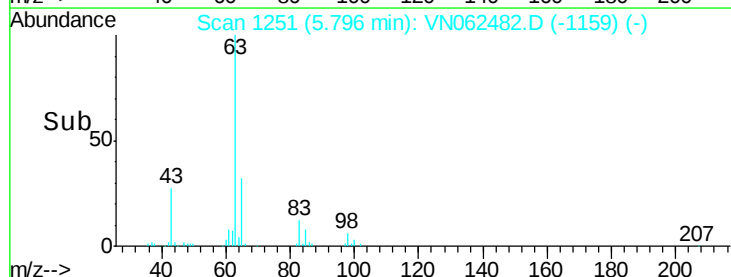
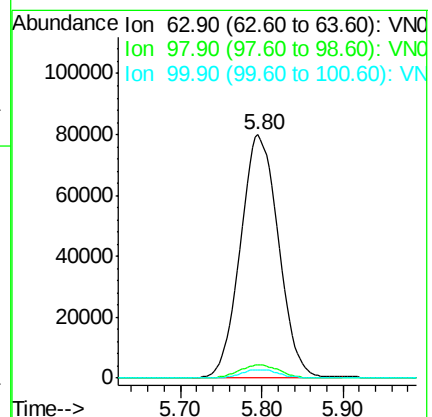
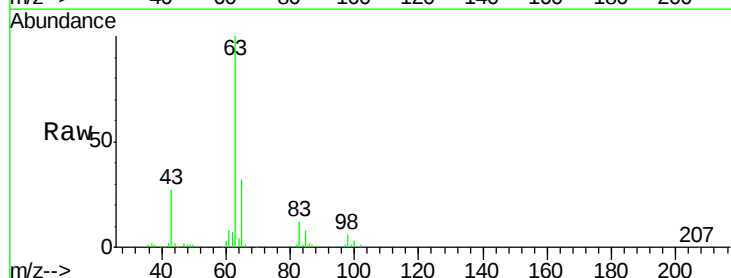
Tgt Ion: 63 Resp: 259113

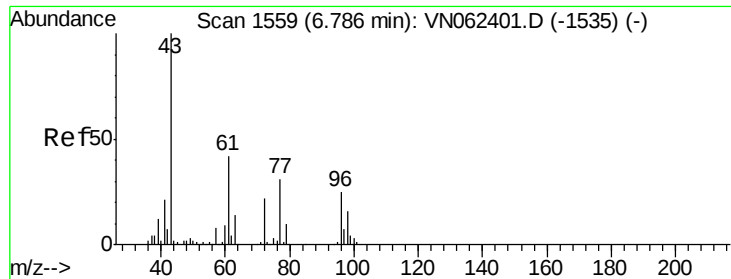
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.8

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 246.608 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

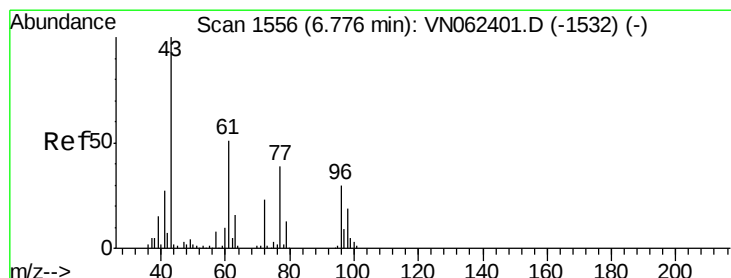
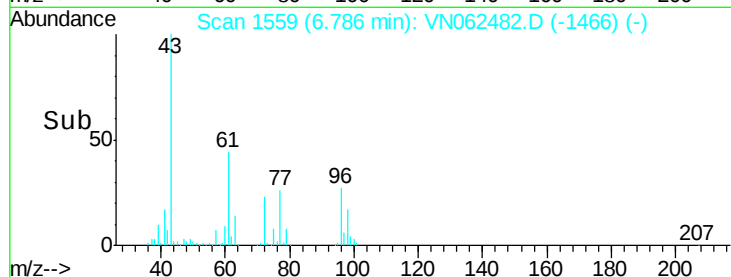
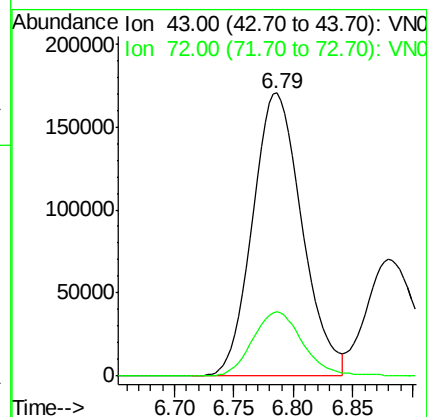
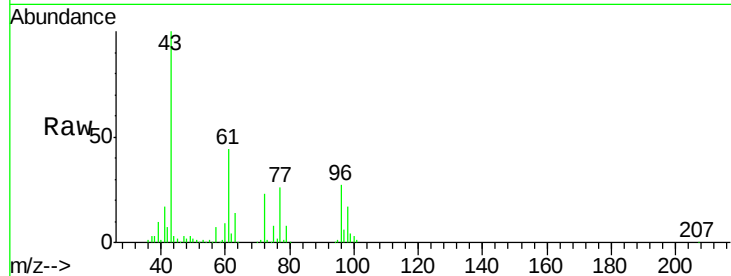
VSTDCCC050EC

Tot Ion: 43 Resp: 488597

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9



#26

2,2-Dichloropropane

Concen: 41.071 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062482.D

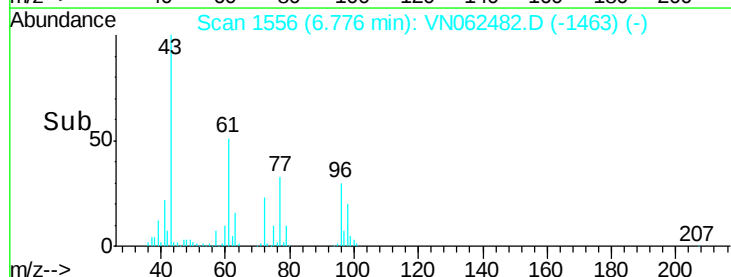
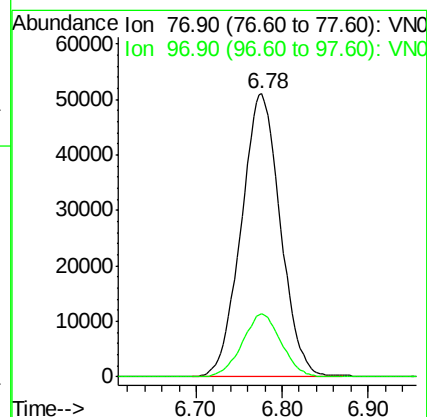
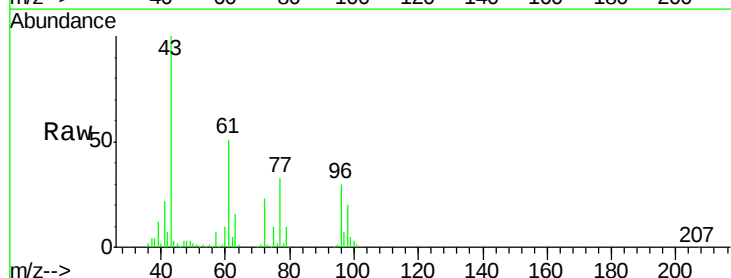
Acq: 10 Jul 2020 2:17

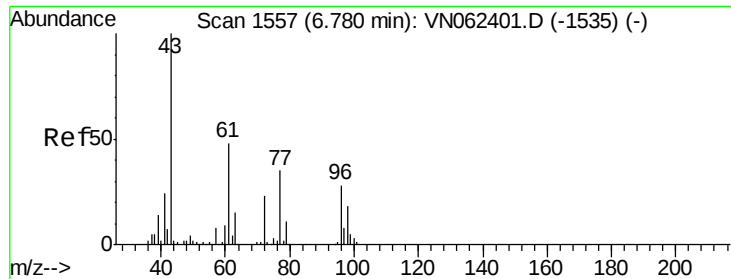
Tgt Ion: 77 Resp: 161227

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9

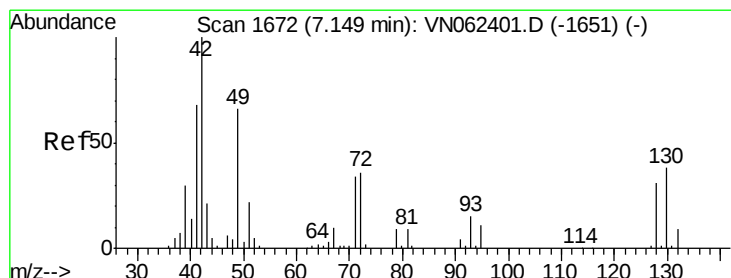
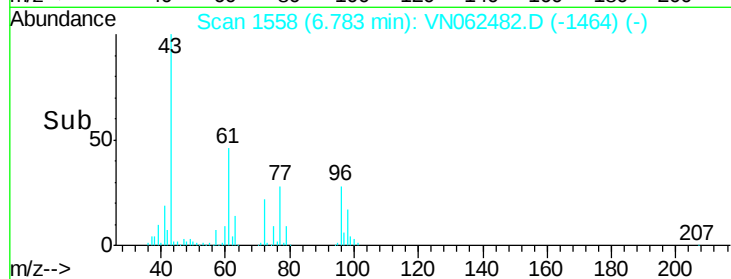
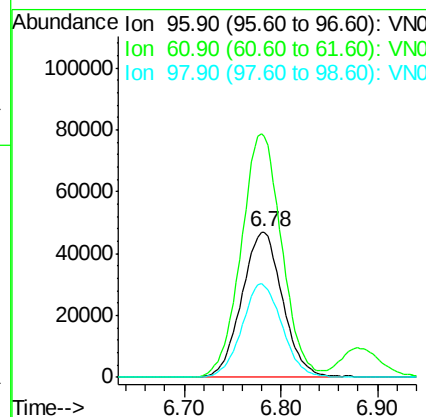
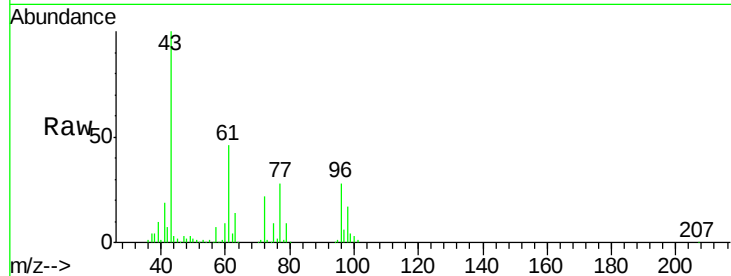




#27
 cis-1,2-Dichloroethene
 Concen: 51.354 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

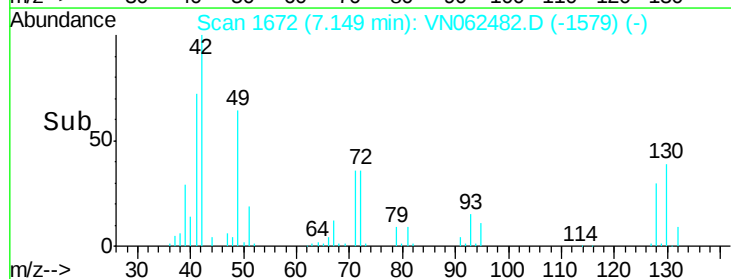
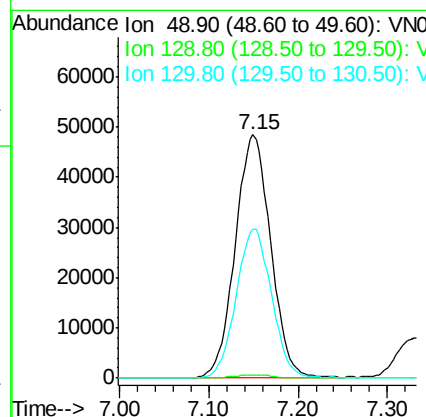
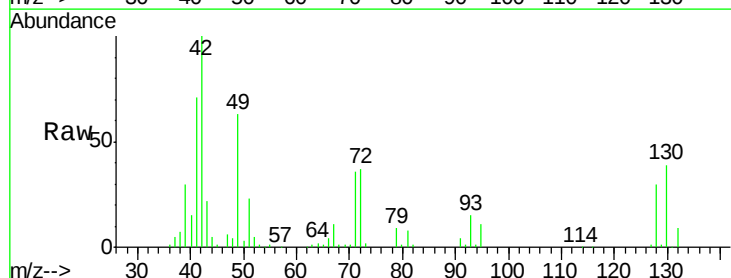
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

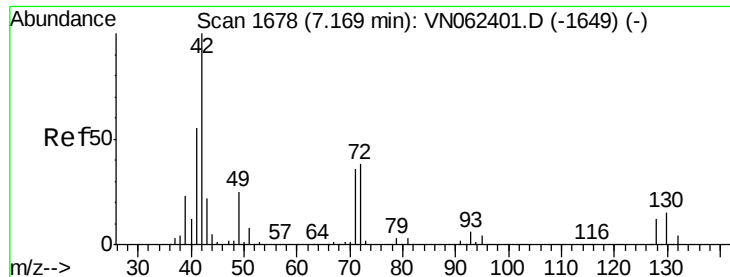
Tot Ion: 96 Resp: 137406
 Ion Ratio Lower Upper
 96 100
 61 166.4 0.0 343.4
 98 63.5 0.0 128.4



#28
 Bromochloromethane
 Concen: 48.178 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Tgt Ion: 49 Resp: 134010
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 2.8
 130 60.9 46.5 69.7

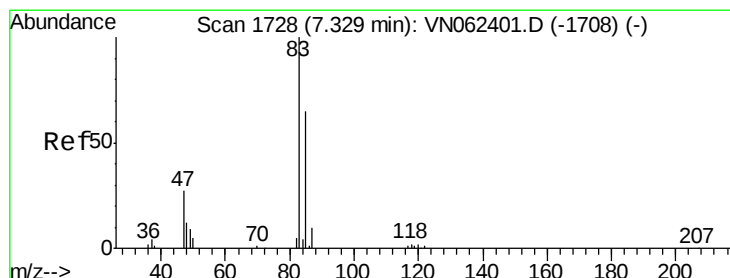
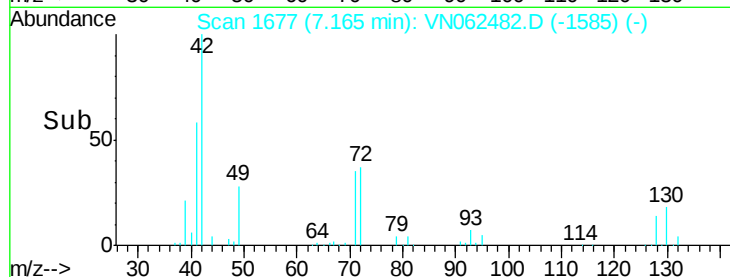
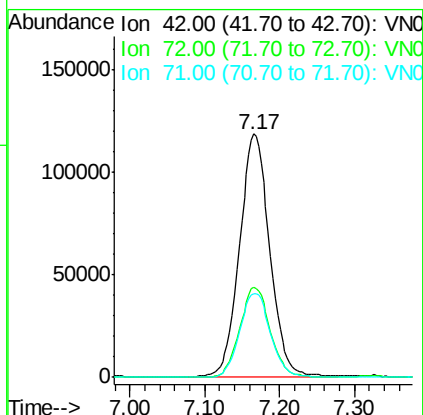
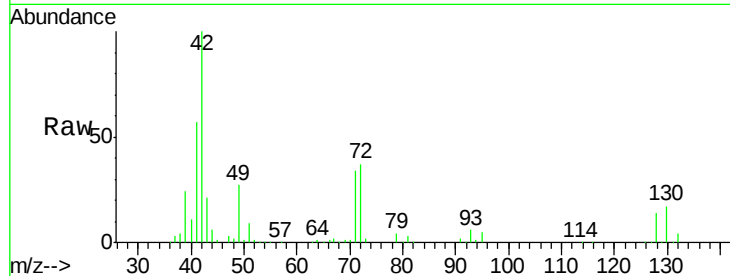




#29
Tetrahydrofuran
Concen: 251.580 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

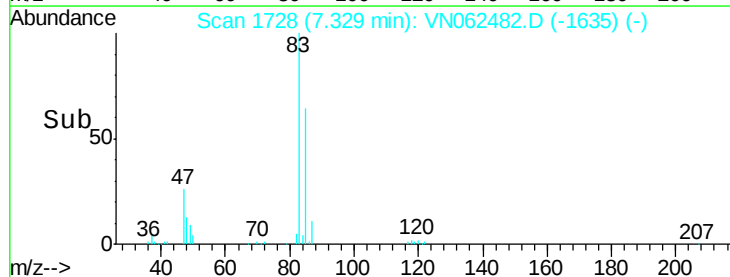
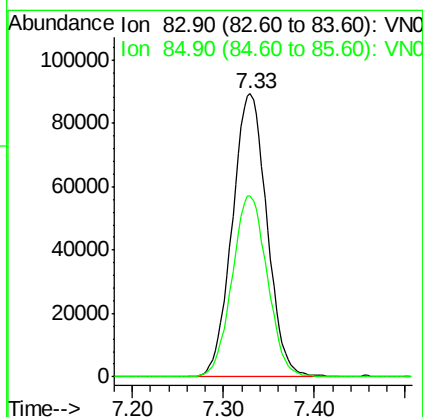
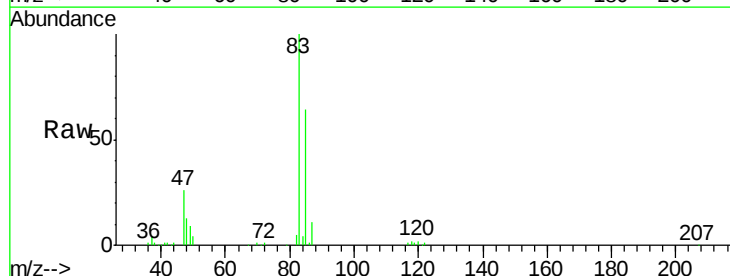
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

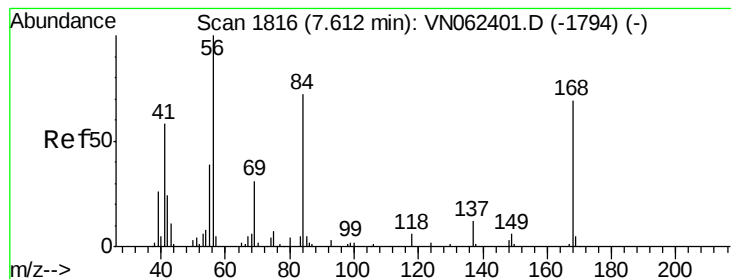
Tot Ion: 42 Resp: 335582
Ion Ratio Lower Upper
42 100
72 37.0 29.1 43.7
71 35.0 28.1 42.1



#30
Chloroform
Concen: 51.240 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 83 Resp: 236866
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6





#31

Cyclohexane

Concen: 47.273 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

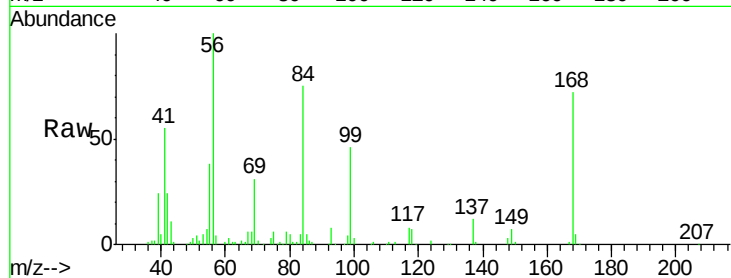
Tot Ion: 56 Resp: 229444

Ion Ratio Lower Upper

56 100

69 31.0 24.5 36.7

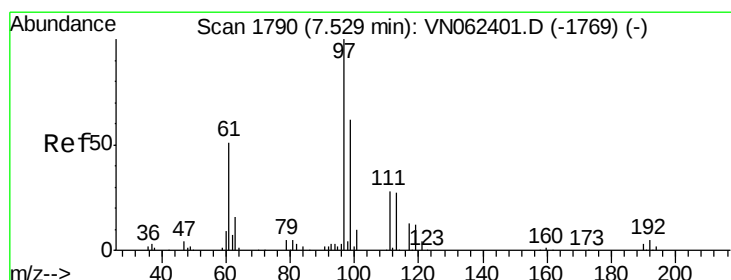
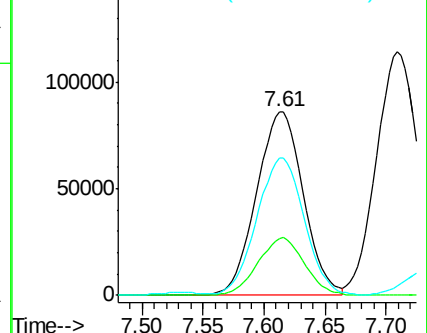
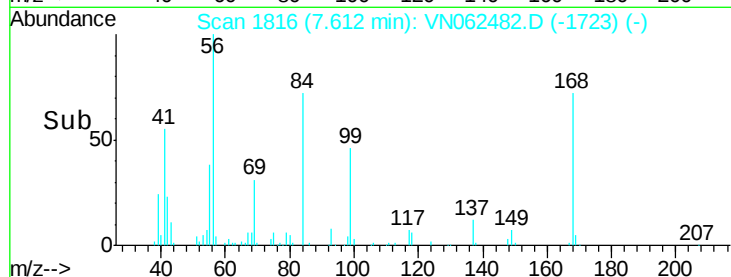
84 73.7 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN062482.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062482.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062482.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 51.053 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

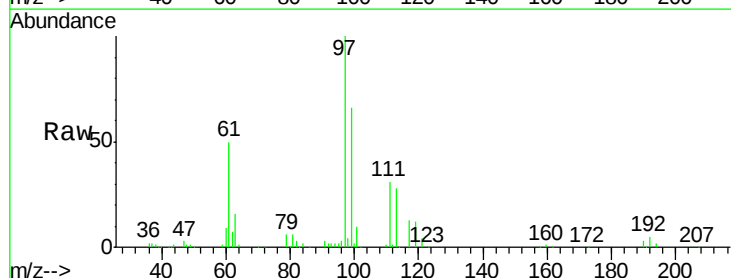
Tgt Ion: 97 Resp: 196309

Ion Ratio Lower Upper

97 100

99 64.2 50.4 75.6

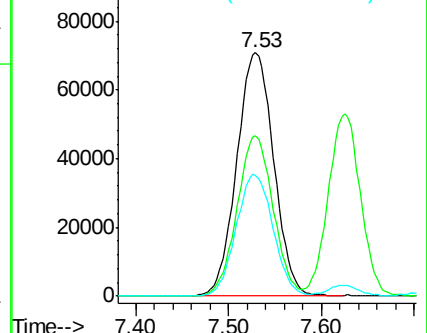
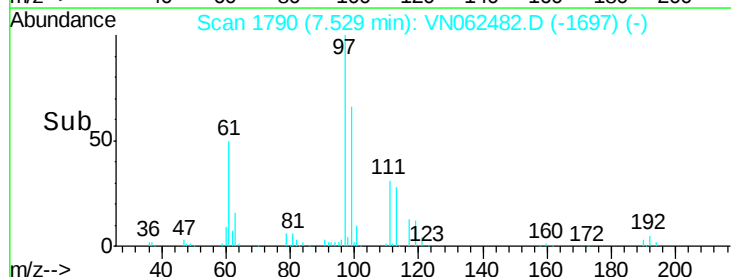
61 49.9 39.9 59.9

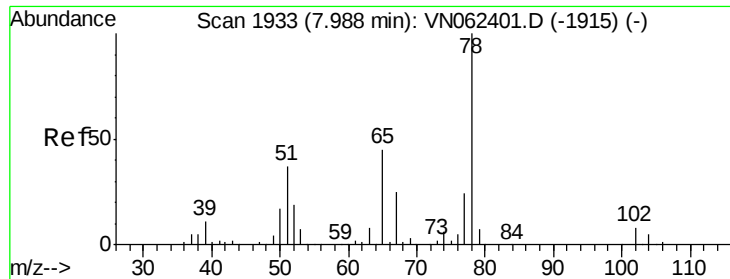


Abundance Ion 96.90 (96.60 to 97.60): VN062482.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062482.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062482.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.042 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

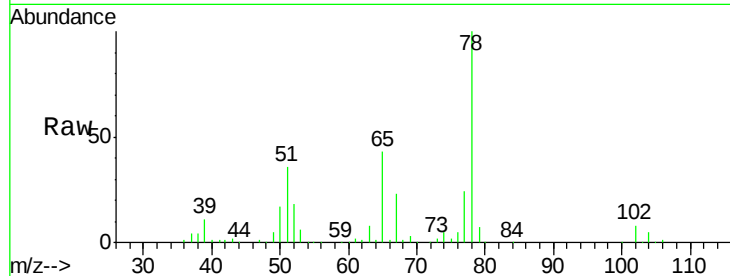
VSTDCCC050EC

Tot Ion: 65 Resp: 153514

Ion Ratio Lower Upper

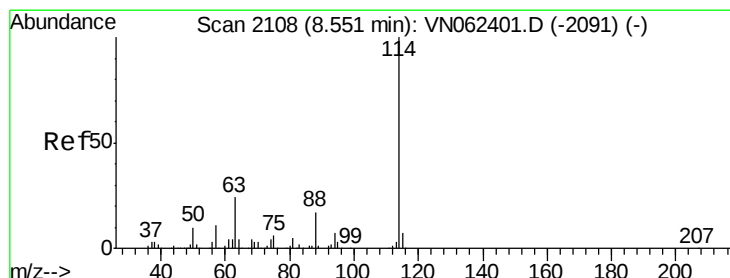
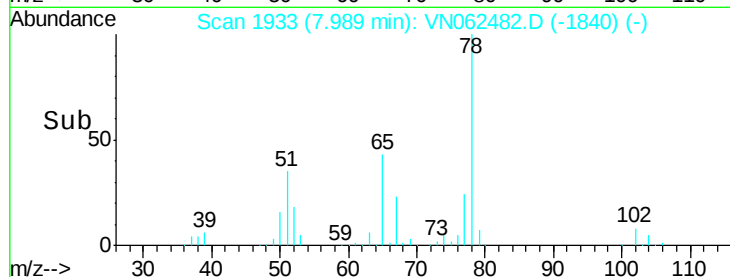
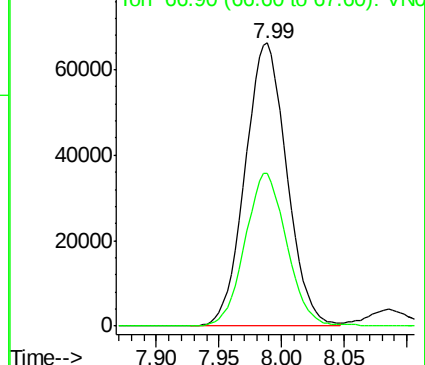
65 100

67 54.0 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062482.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062482.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

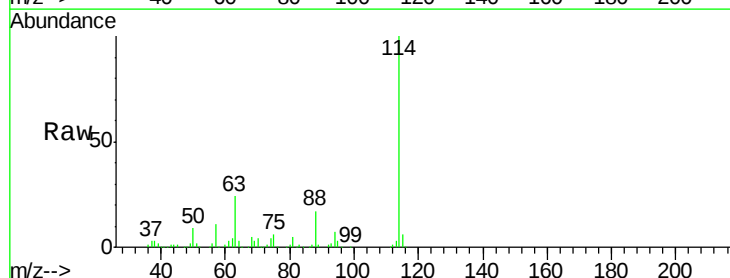
Tgt Ion: 114 Resp: 366189

Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.4

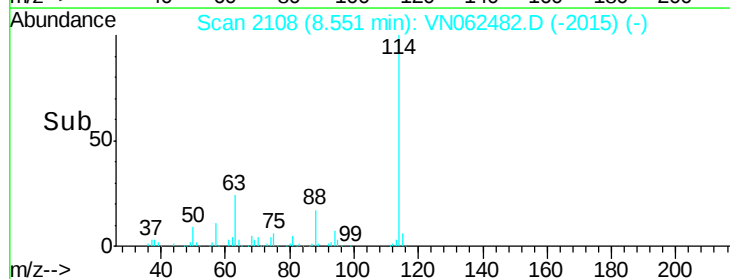
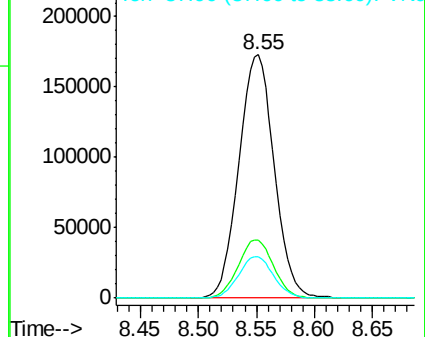
88 17.0 0.0 33.8

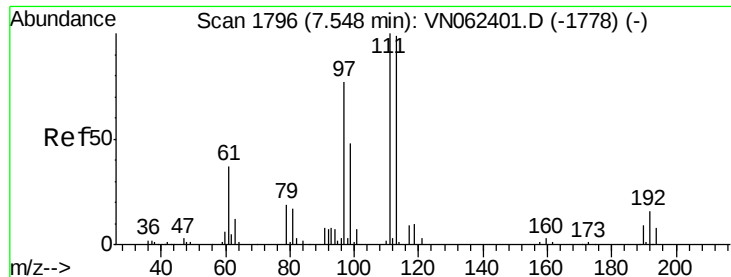


Abundance Ion 113.90 (113.60 to 114.60): VN062482.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062482.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062482.D (-2015) (-)

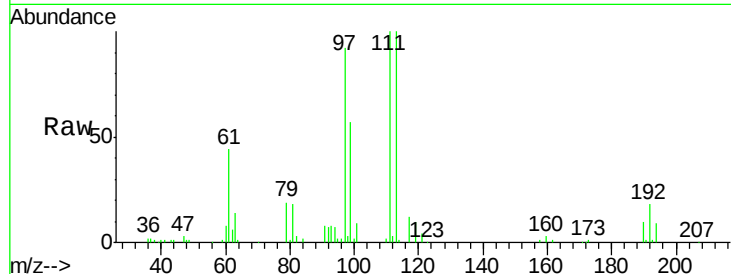




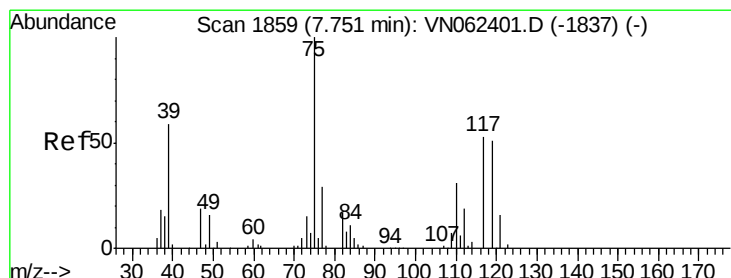
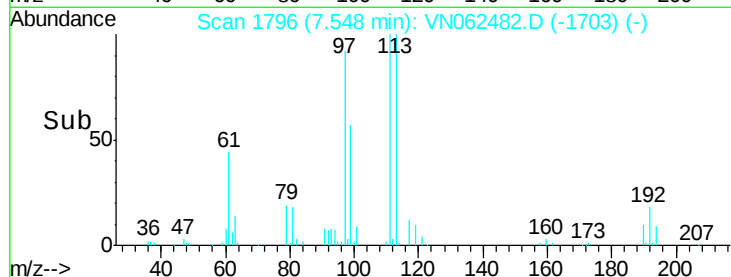
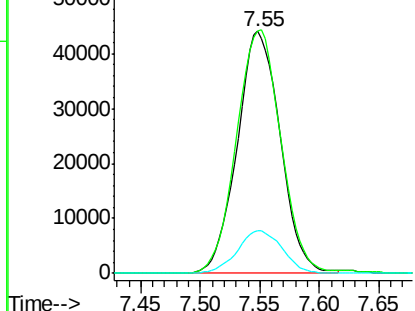
#35
 Dibromofluoromethane
 Concen: 48.799 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.1	124.7
192	18.3	14.1	21.1

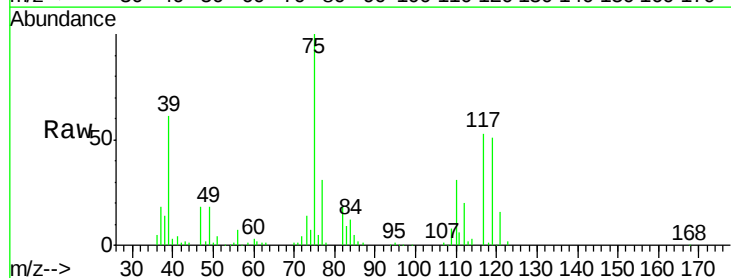


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

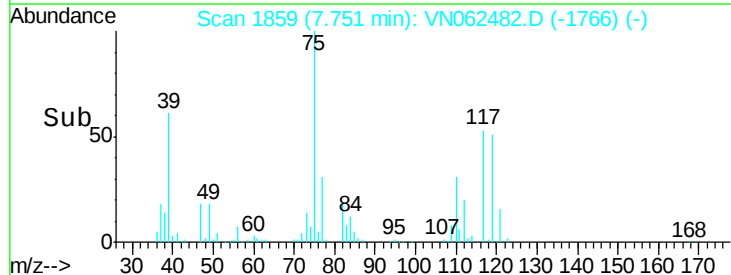
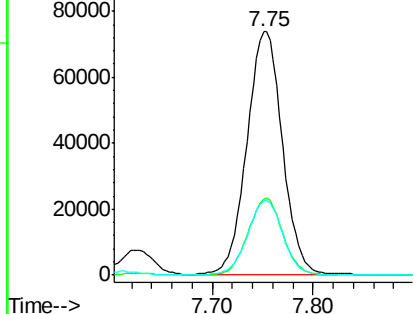


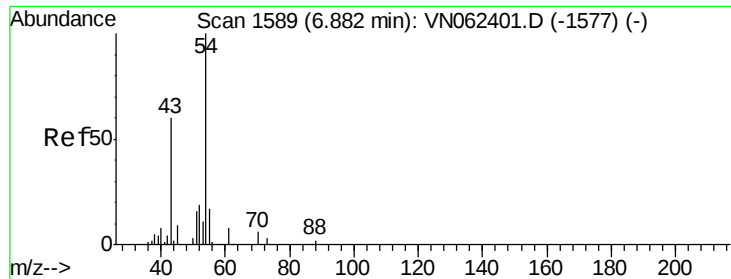
#36
 1,1-Dichloropropene
 Concen: 48.530 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.4	46.2
77	30.8	24.1	36.1



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

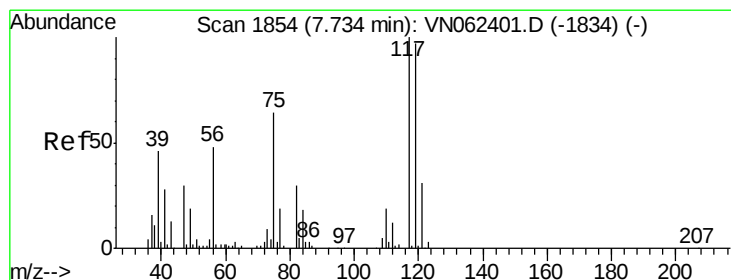
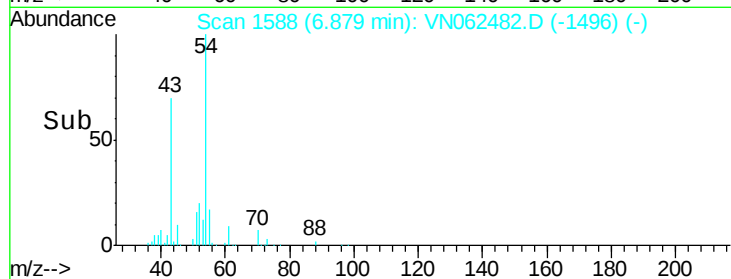
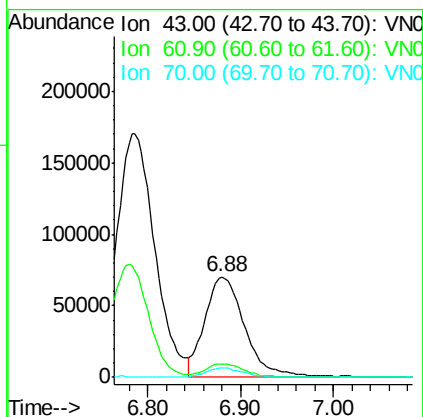
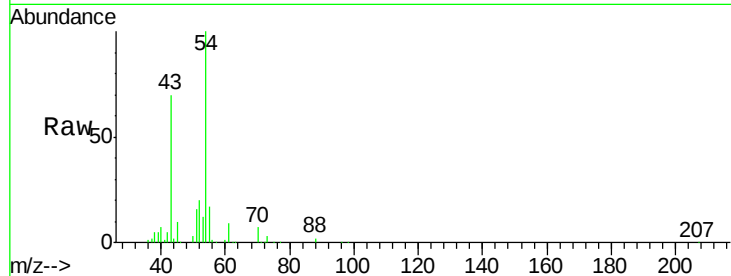




#37
Ethyl Acetate
Concen: 47.593 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

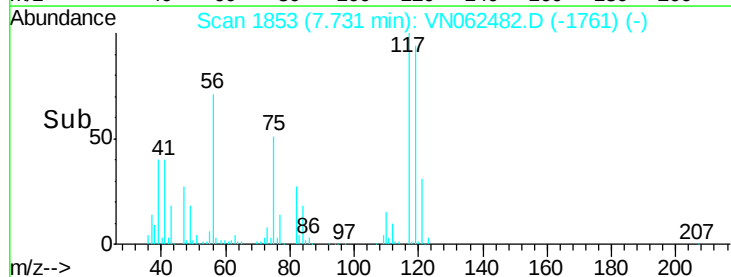
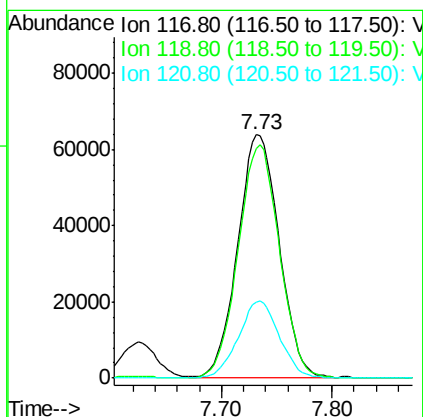
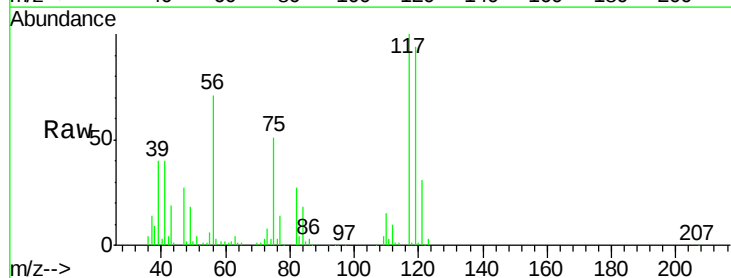
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

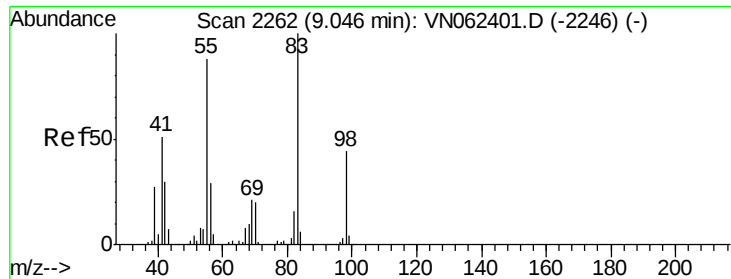
Tot Ion: 43 Resp: 205313
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 49.794 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 117 Resp: 165157
Ion Ratio Lower Upper
117 100
119 94.8 77.2 115.8
121 31.4 24.8 37.2

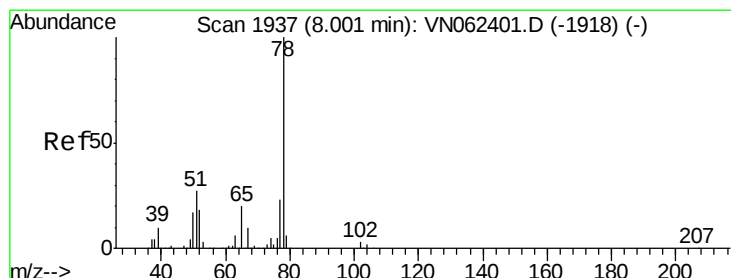
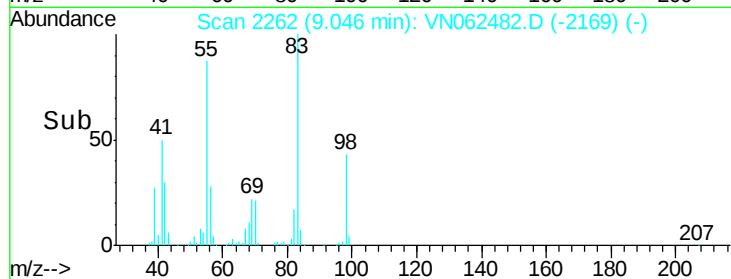
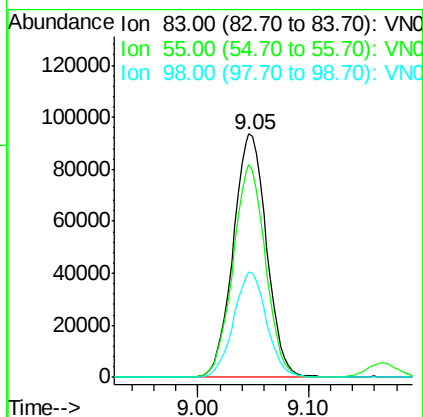
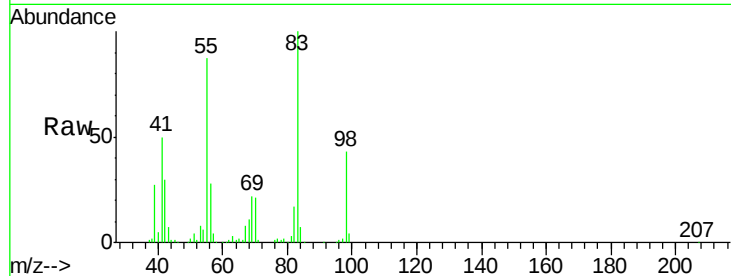




#39
Methvlcvclohexane
Concen: 49.763 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

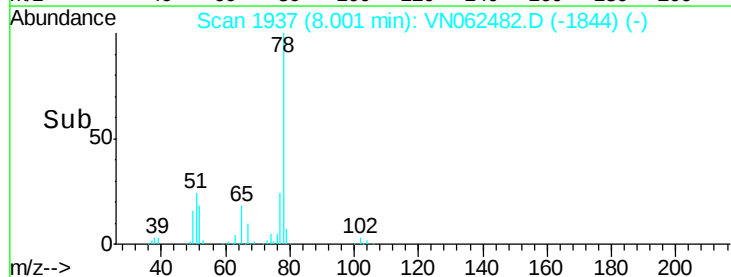
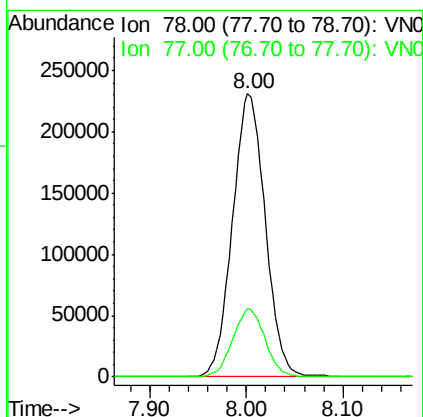
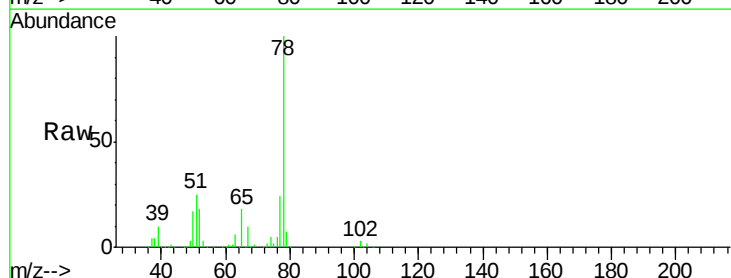
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

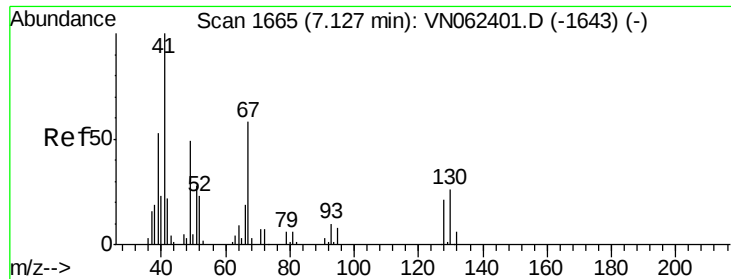
Tot Ion: 83 Resp: 196000
Ion Ratio Lower Upper
83 100
55 87.5 70.5 105.7
98 43.3 35.5 53.3



#40
Benzene
Concen: 50.025 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 78 Resp: 543937
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

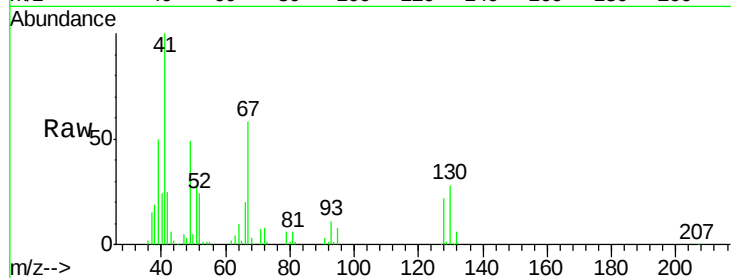




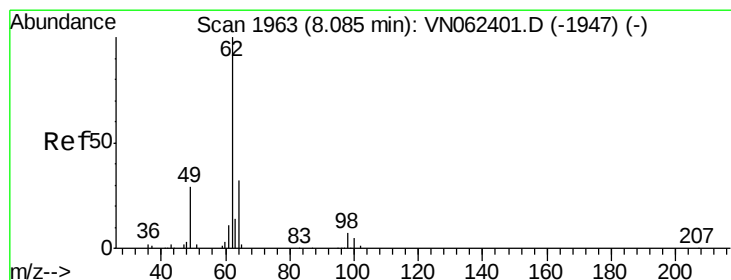
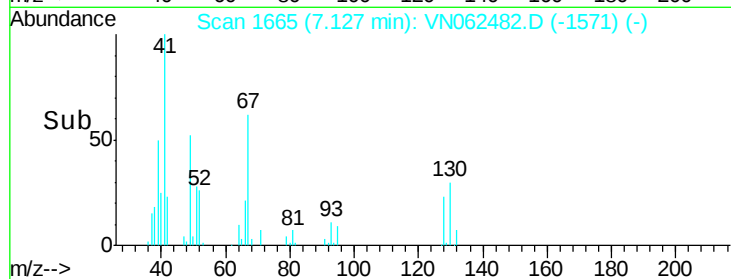
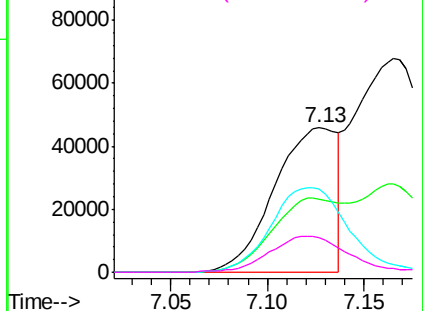
#41
Methacrylonitrile
Concen: 57.407 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	103470
Ion	Ratio	Lower	Upper
41	100		
39	56.3	50.2	75.2
67	73.1	64.2	96.2
52	31.8	28.0	42.0

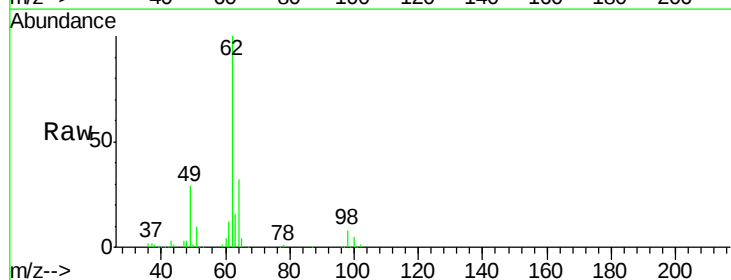


Abundance Ion 41.00 (40.70 to 41.70): VN062401.D (-1643) (-)

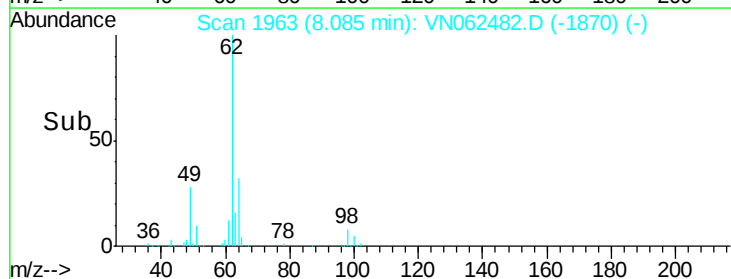
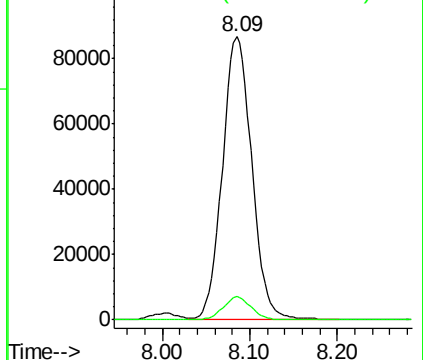


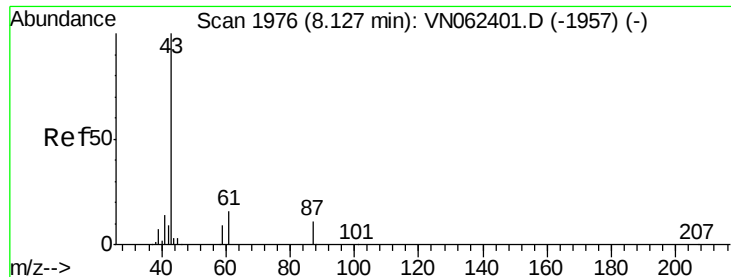
#42
1,2-Dichloroethane
Concen: 50.610 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion:	62	Resp:	201494
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN062401.D (-1947) (-)





#43

Isopropyl Acetate

Concen: 50.266 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

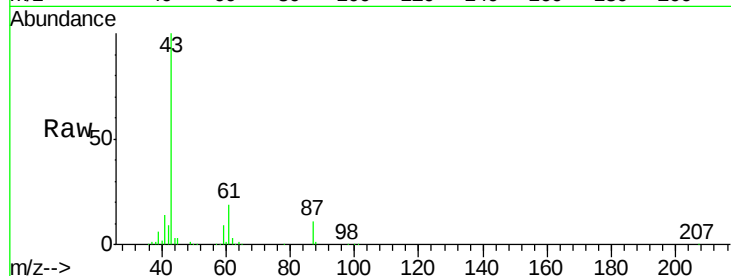
Tot Ion: 43 Resp: 342552

Ion Ratio Lower Upper

43 100

61 19.4 19.3 28.9

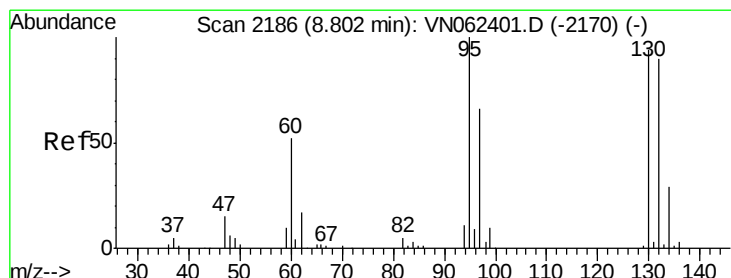
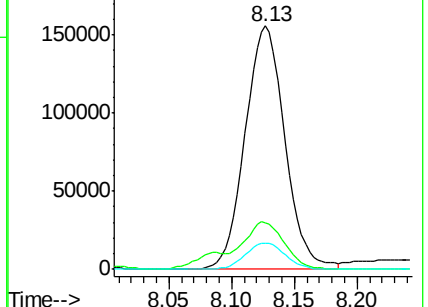
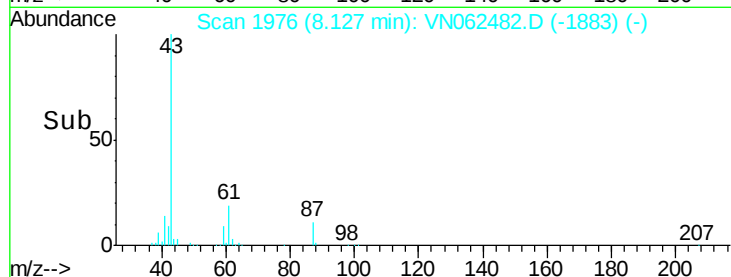
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062482.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062482.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062482.D (-1883) (-)



#44

Trichloroethene

Concen: 50.497 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062482.D

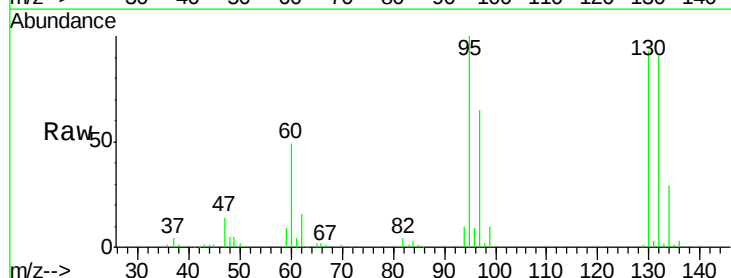
Acq: 10 Jul 2020 2:17

Tgt Ion: 130 Resp: 121821

Ion Ratio Lower Upper

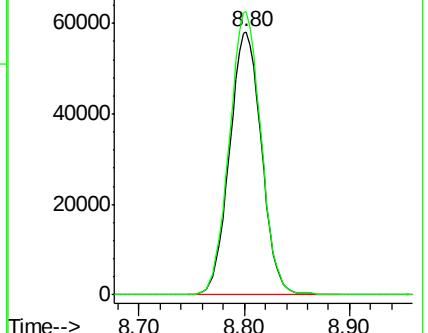
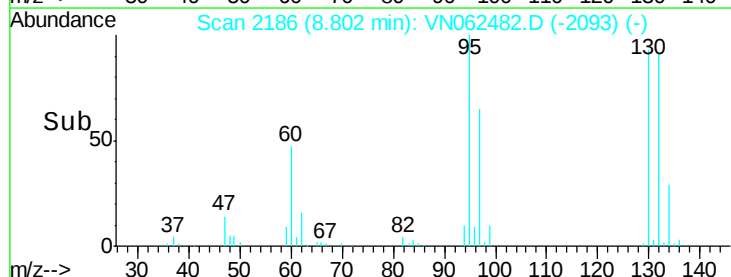
130 100

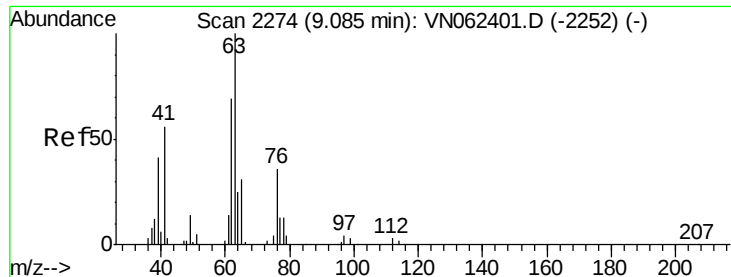
95 107.5 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062482.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062482.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 50.396 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

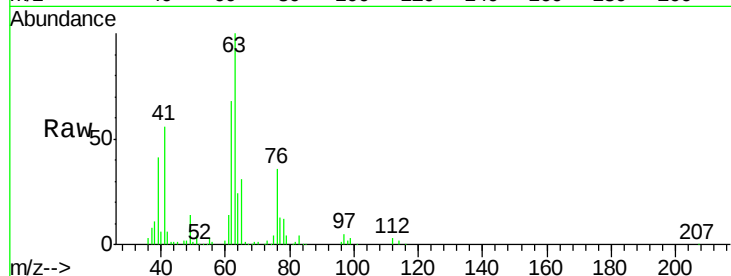
VSTDCCC050EC

Tot Ion: 63 Resp: 159071

Ion Ratio Lower Upper

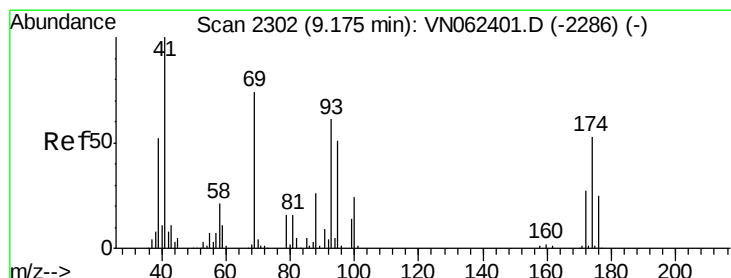
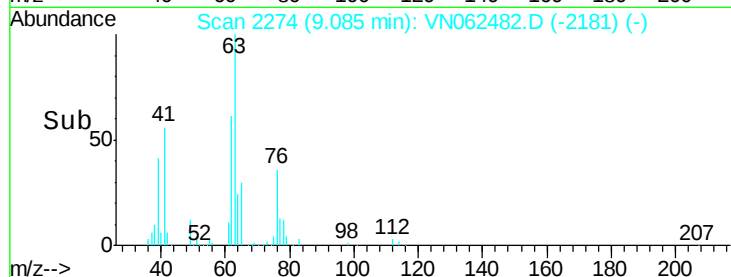
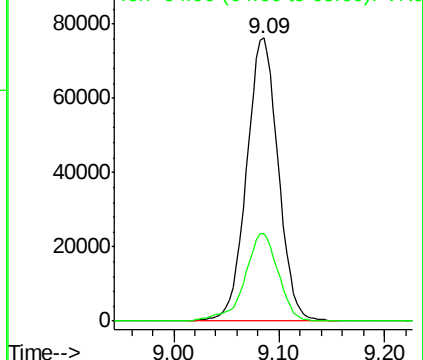
63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.737 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

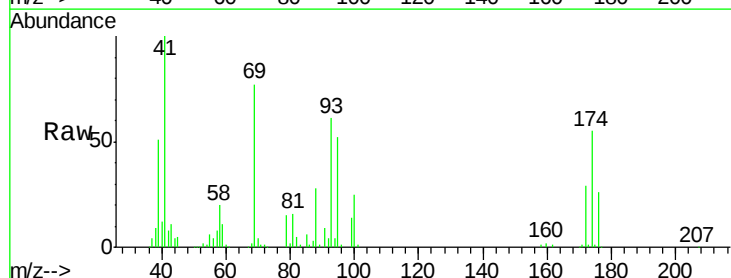
Tgt Ion: 93 Resp: 90375

Ion Ratio Lower Upper

93 100

95 82.9 67.1 100.7

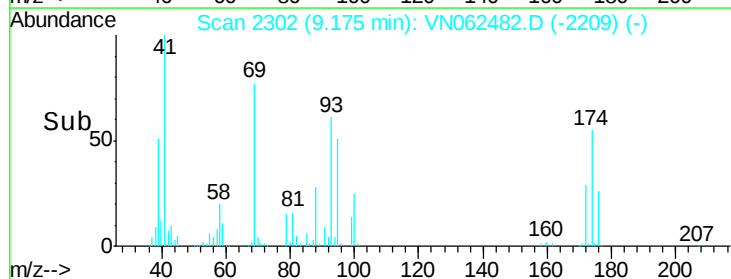
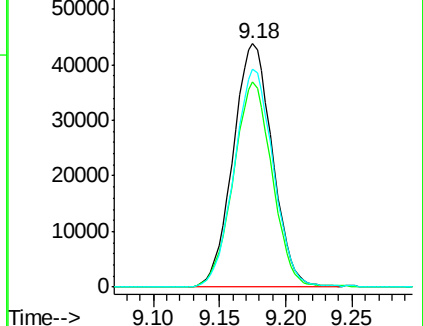
174 89.0 70.4 105.6

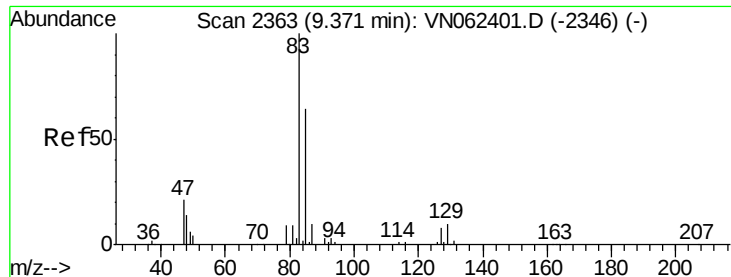


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.760 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

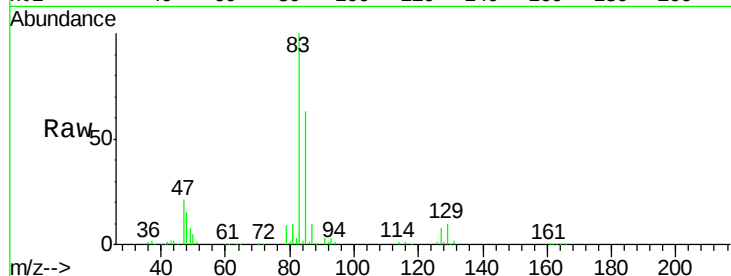
Tot Ion: 83 Resp: 193307

Ion Ratio Lower Upper

83 100

85 63.3 51.2 76.8

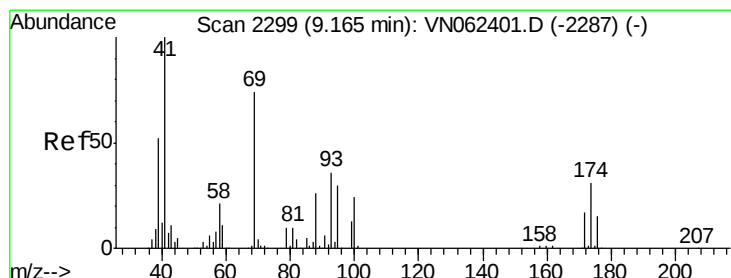
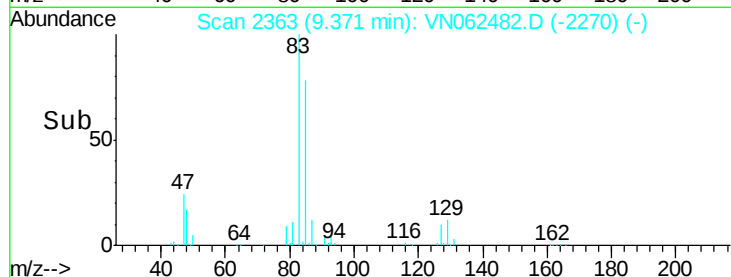
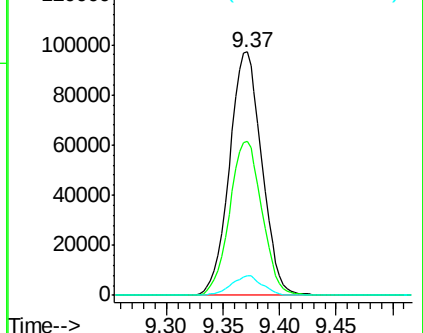
127 8.0 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062482.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062482.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062482.D (-2270) (-)



#48

Methyl methacrylate

Concen: 50.255 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

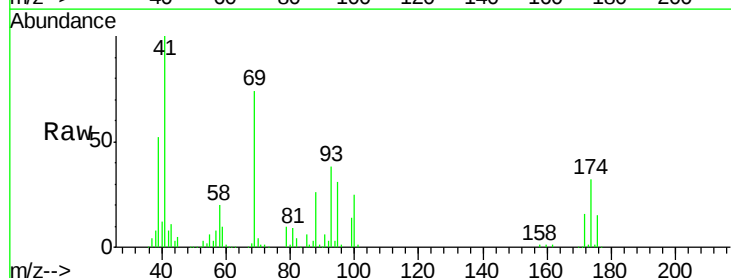
Tgt Ion: 41 Resp: 167996

Ion Ratio Lower Upper

41 100

69 77.2 60.8 91.2

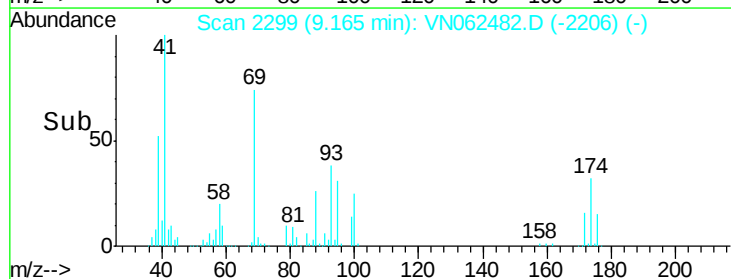
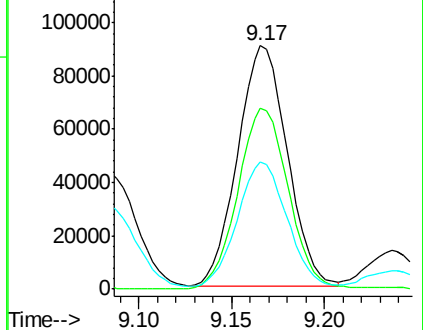
39 53.7 43.5 65.3

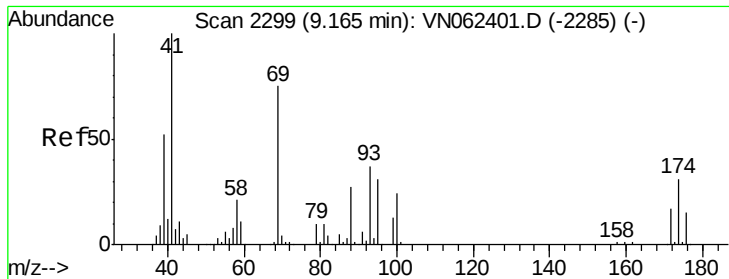


Abundance Ion 41.00 (40.70 to 41.70): VN062482.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062482.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062482.D (-2206) (-)

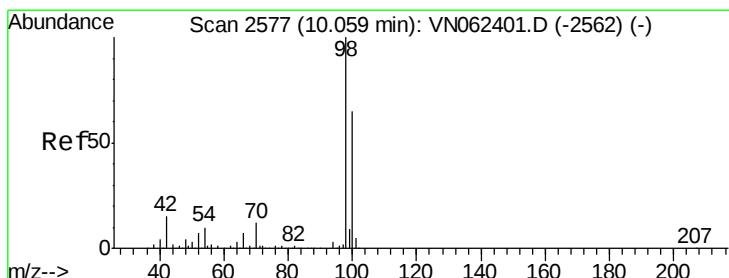
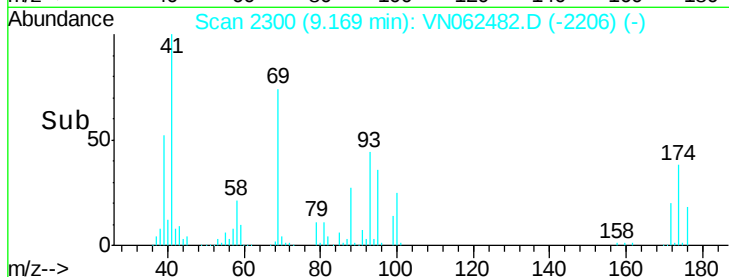
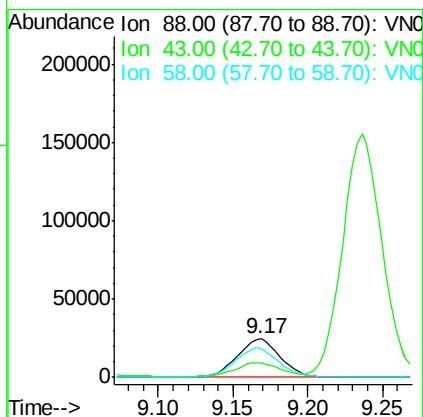
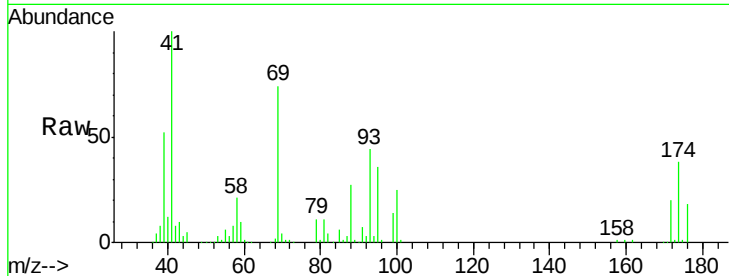




#49
1,4-Dioxane
Concen: 1004.455 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

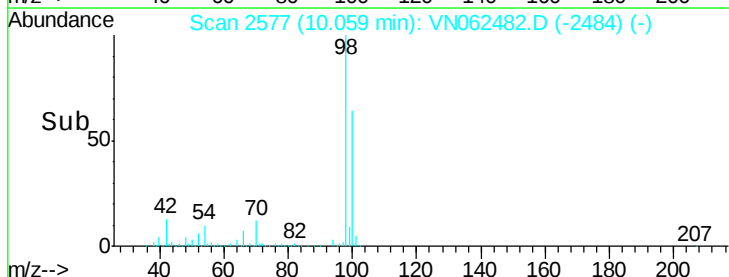
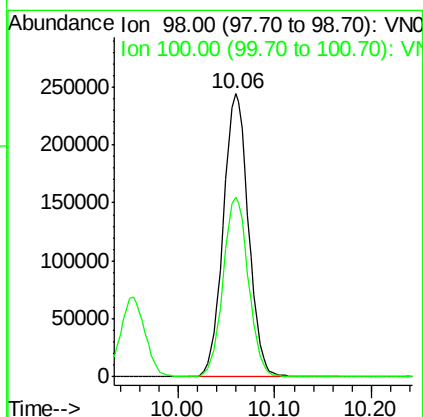
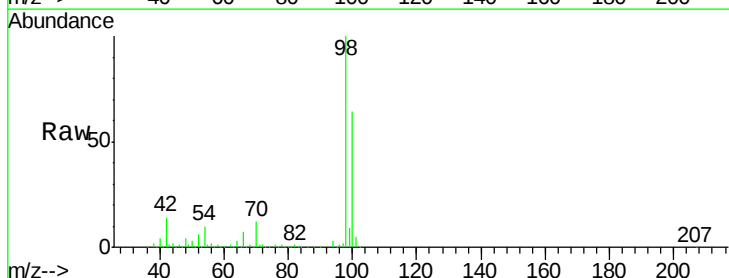
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 48873
Ion Ratio Lower Upper
88 100
43 37.0 31.0 46.4
58 77.8 63.3 94.9



#50
Toluene-d8
Concen: 49.351 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 98 Resp: 440993
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 256.230 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

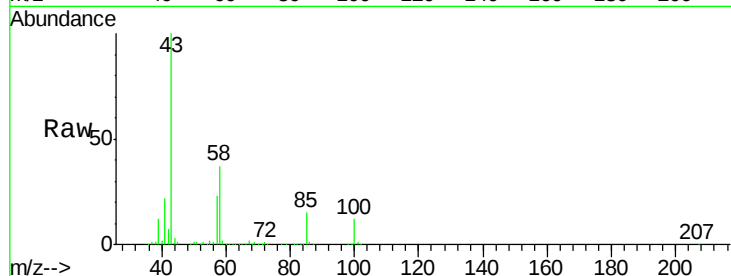
VSTDCCC050EC

Tot Ion: 43 Resp: 1042950

Ion Ratio Lower Upper

43 100

58 36.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2527) (-)

9.95

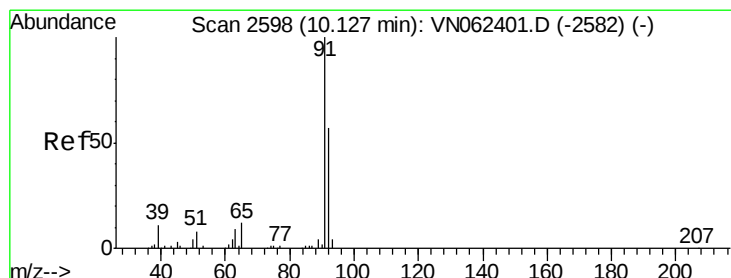
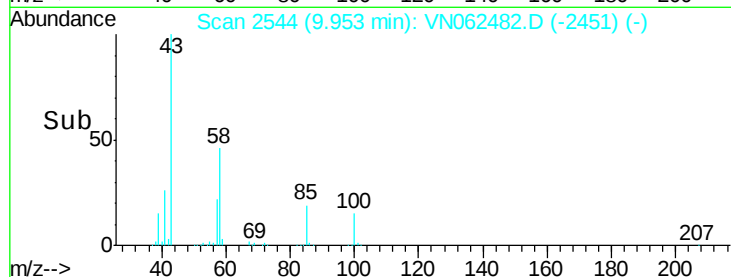
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.338 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062482.D

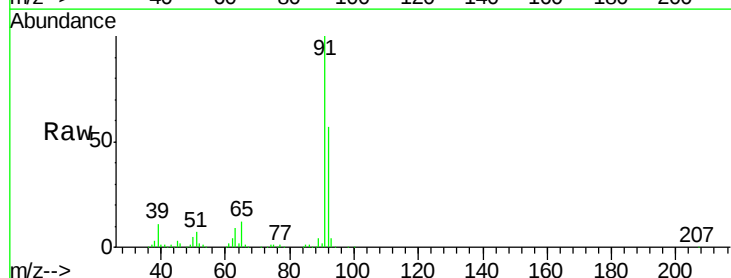
Acq: 10 Jul 2020 2:17

Tgt Ion: 92 Resp: 322429

Ion Ratio Lower Upper

92 100

91 175.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062401.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-2582) (-)

10.12

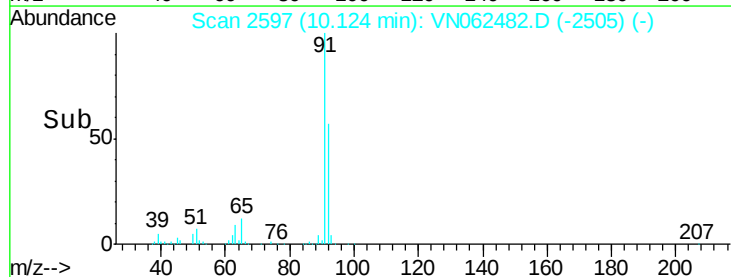
300000

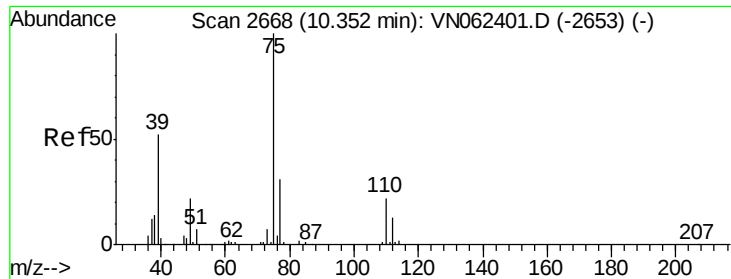
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.932 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

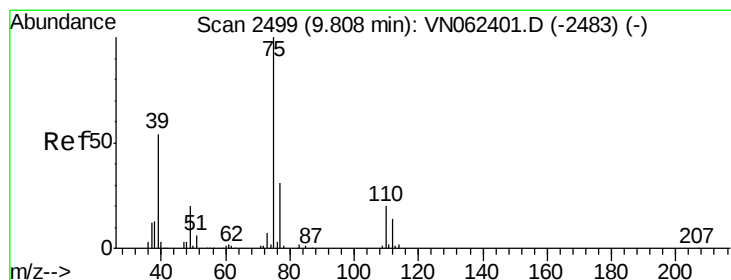
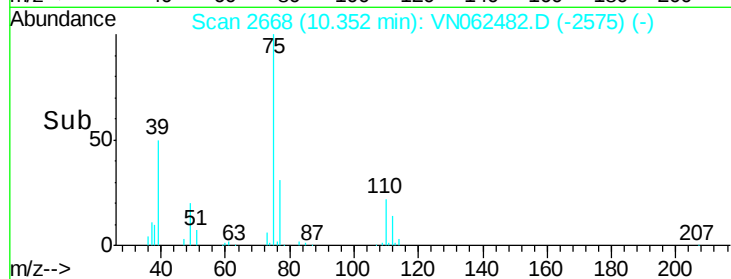
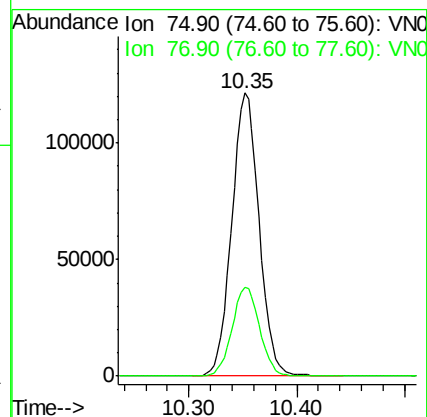
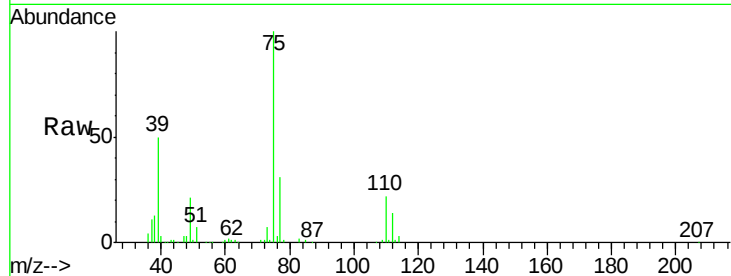
VSTDCCC050EC

Tot Ion: 75 Resp: 213039

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 49.721 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

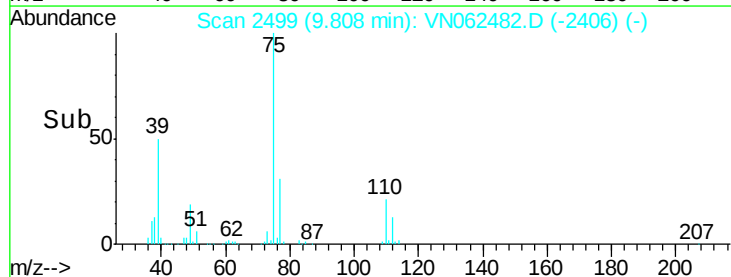
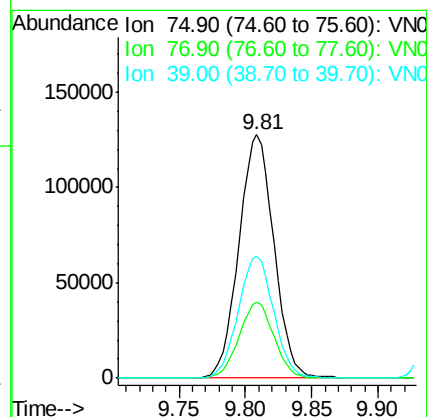
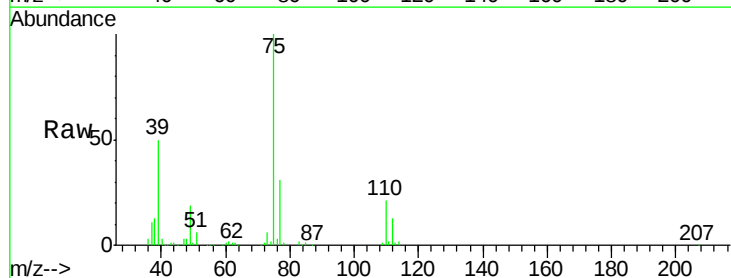
Tgt Ion: 75 Resp: 234062

Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7

39 50.4 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 51.830 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 128028

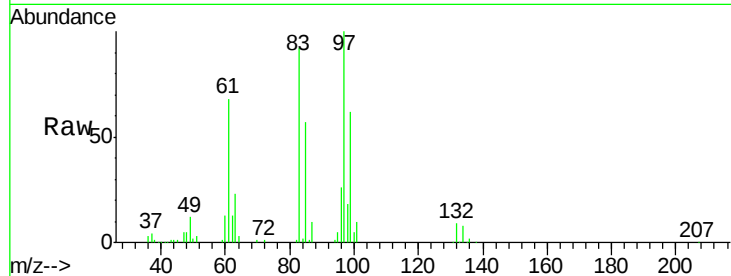
Ion Ratio Lower Upper

97 100

83 92.2 71.0 106.4

85 57.4 46.2 69.4

99 62.4 49.7 74.5

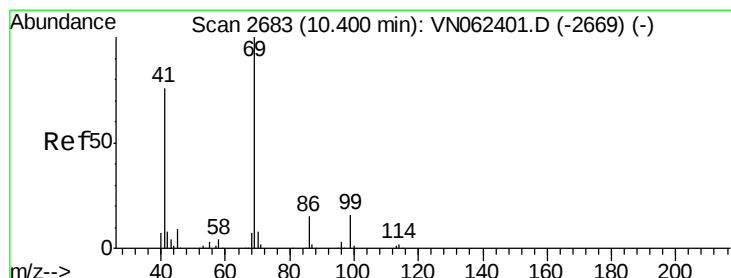
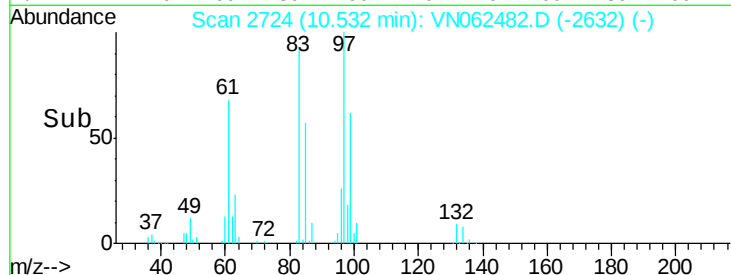
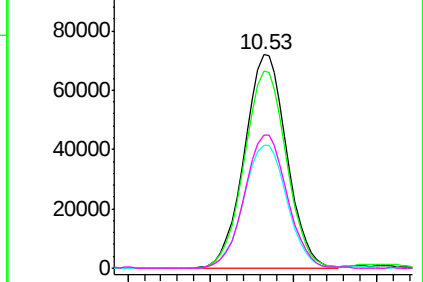


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.732 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

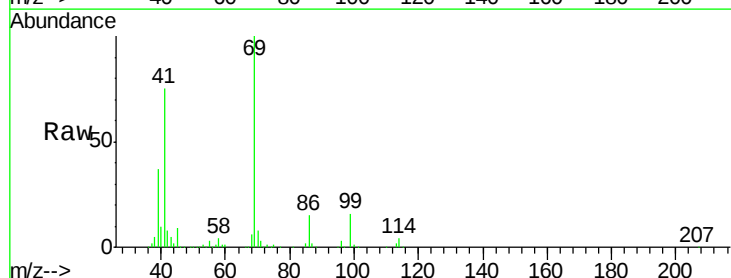
Tgt Ion: 69 Resp: 221330

Ion Ratio Lower Upper

69 100

41 74.1 59.7 89.5

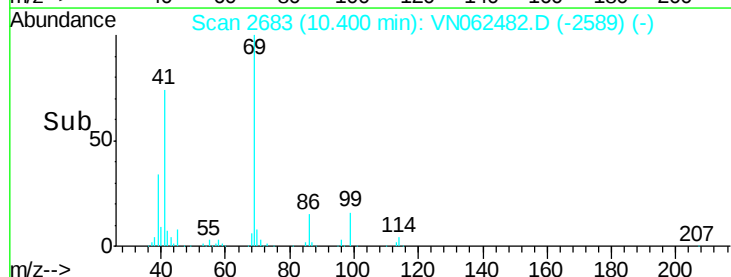
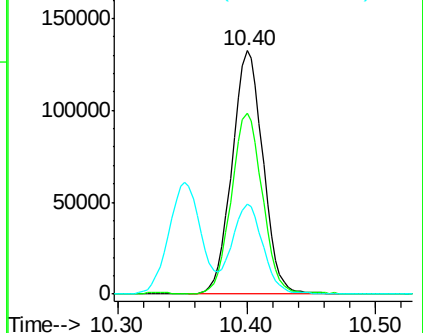
39 36.5 30.6 45.8

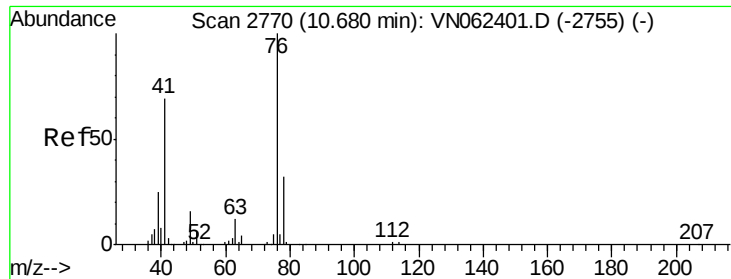


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.618 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampled :

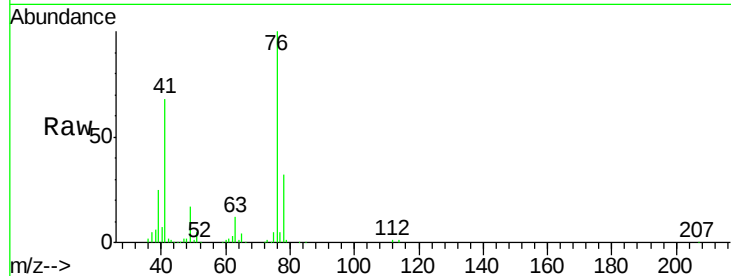
VSTDCCC050EC

Tot Ion: 76 Resp: 235560

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

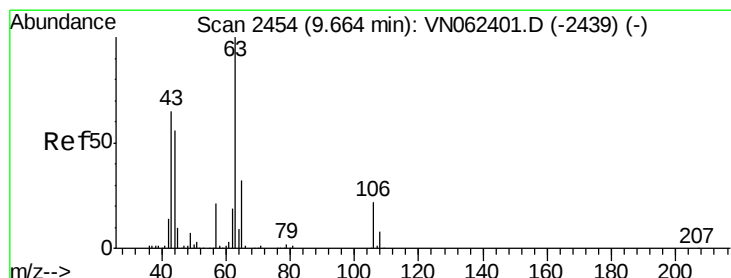
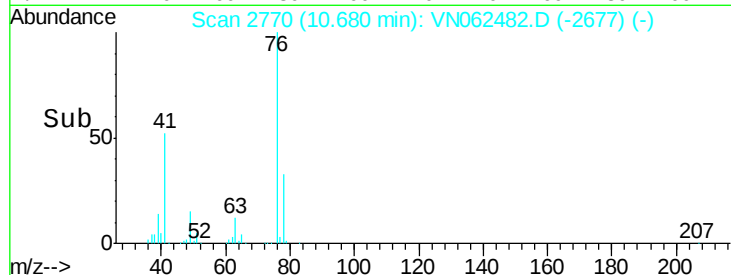
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 274.718 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062482.D

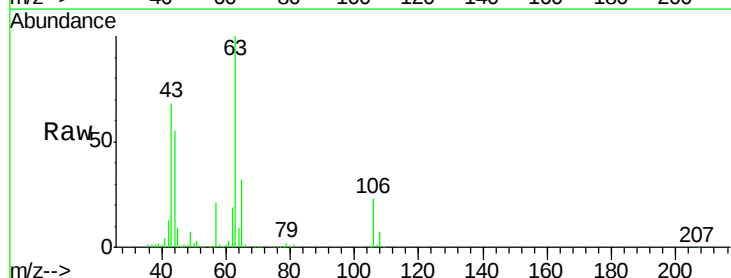
Acq: 10 Jul 2020 2:17

Tgt Ion: 63 Resp: 402585

Ion Ratio Lower Upper

63 100

106 23.1 17.6 26.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

250000

200000

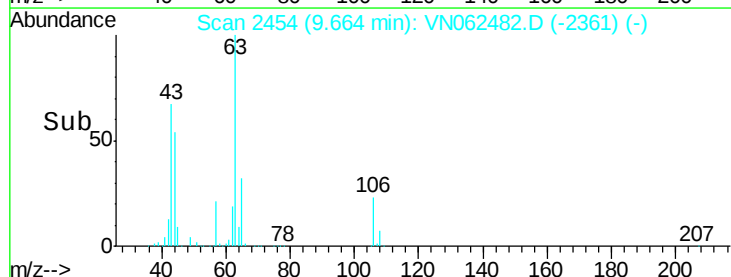
150000

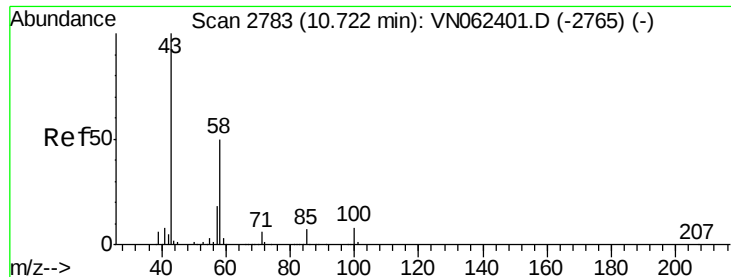
100000

50000

0

Time-->

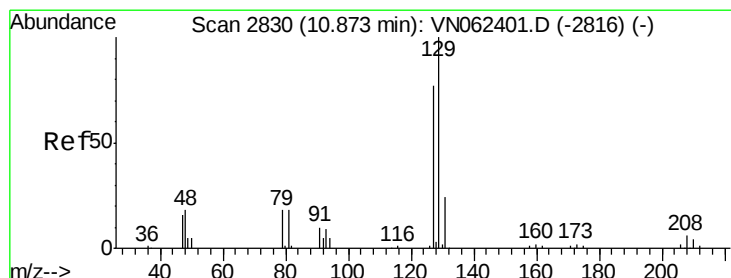
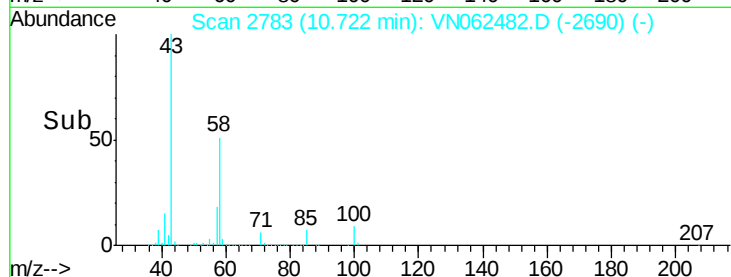
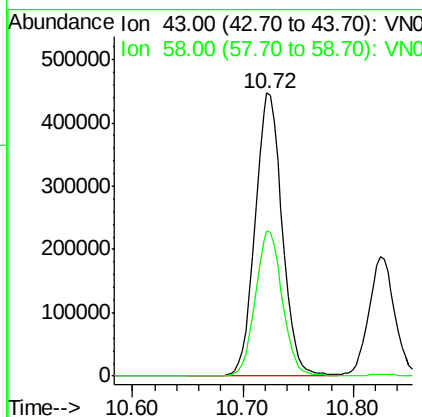
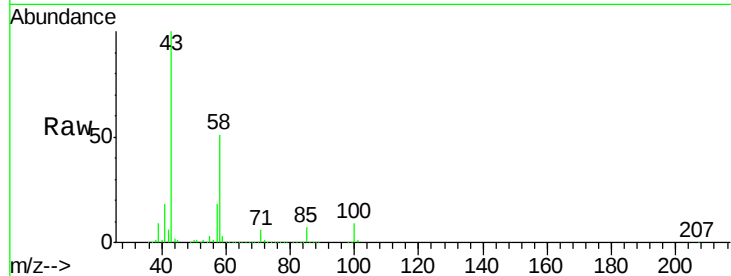




#59
2-Hexanone
Concen: 256.265 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

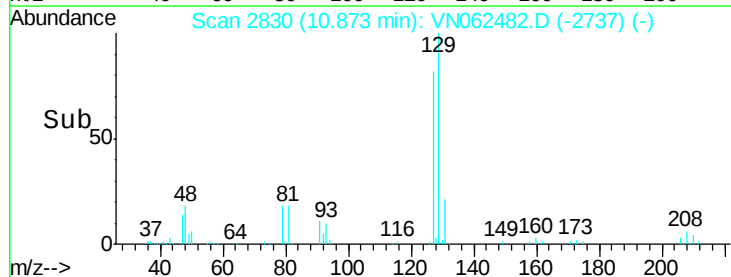
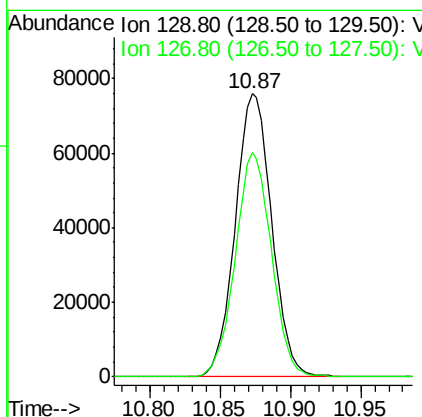
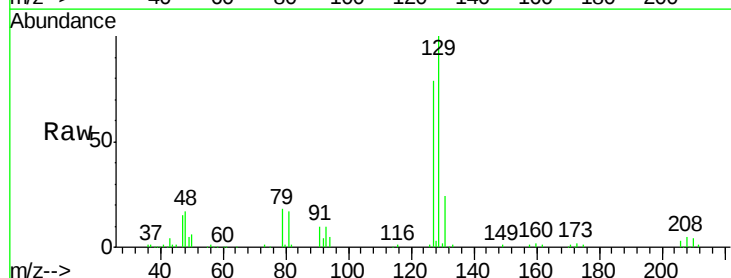
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

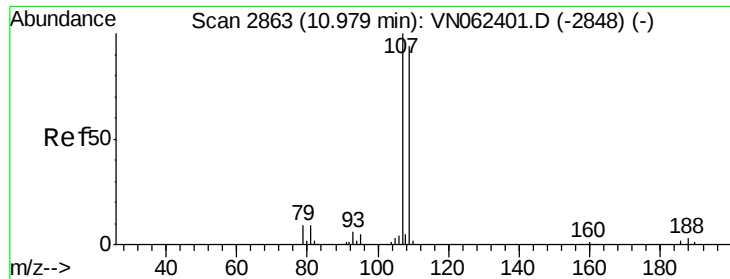
Tot Ion: 43 Resp: 757256
Ion Ratio Lower Upper
43 100
58 51.5 25.1 75.2



#60
Dibromochloromethane
Concen: 51.425 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion: 129 Resp: 137731
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.193 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

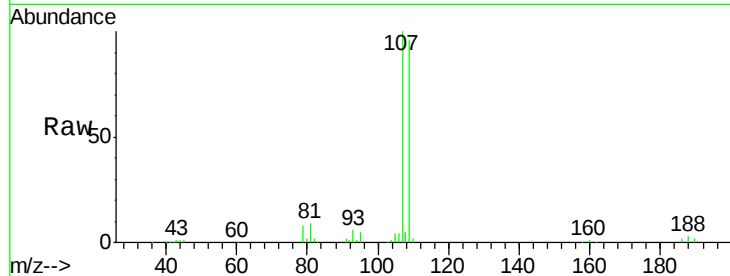
VSTDCCC050EC

Tot Ion:107 Resp: 130145

Ion Ratio Lower Upper

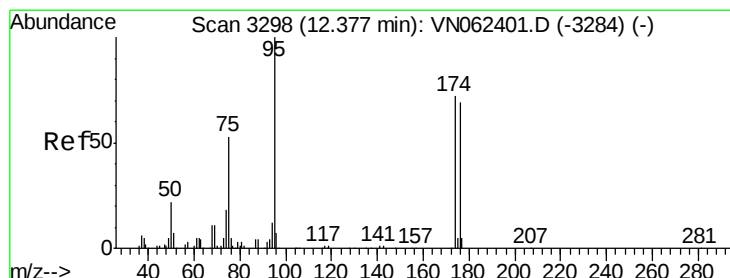
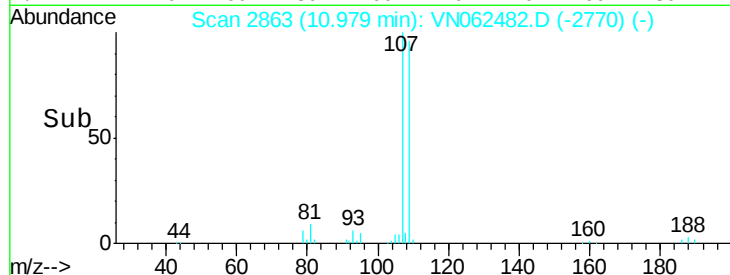
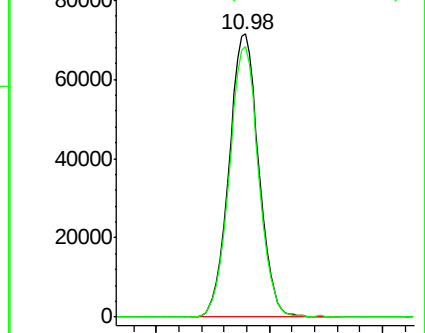
107 100

109 94.5 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.218 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

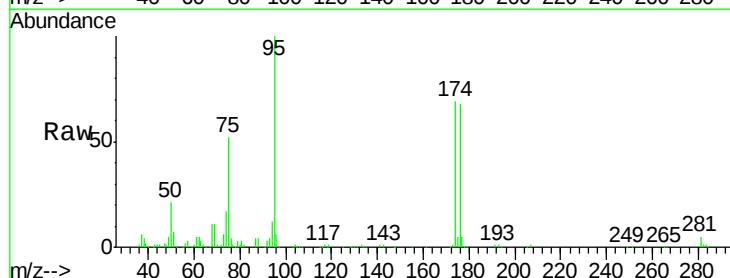
Tgt Ion: 95 Resp: 160717

Ion Ratio Lower Upper

95 100

174 70.2 0.0 141.6

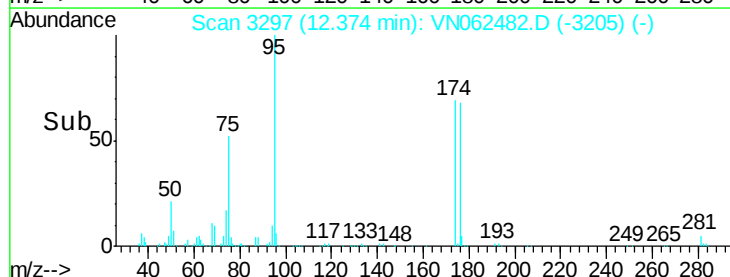
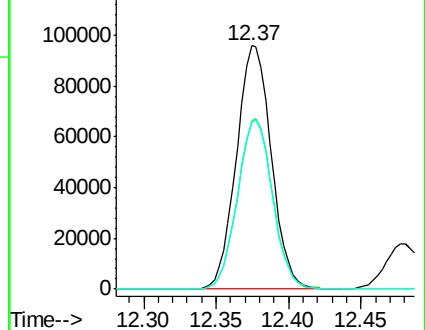
176 69.8 0.0 137.2

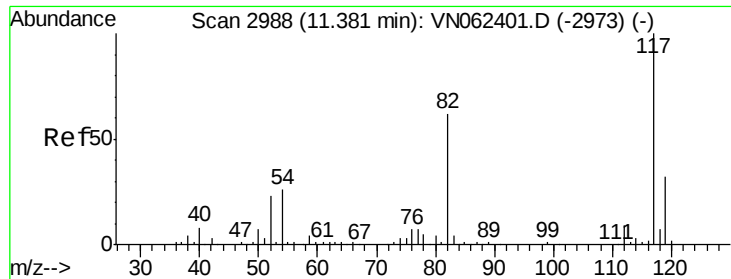


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

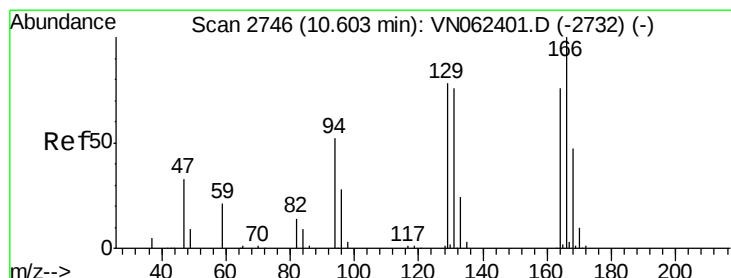
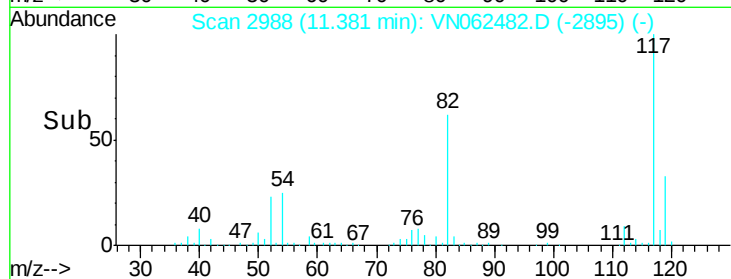
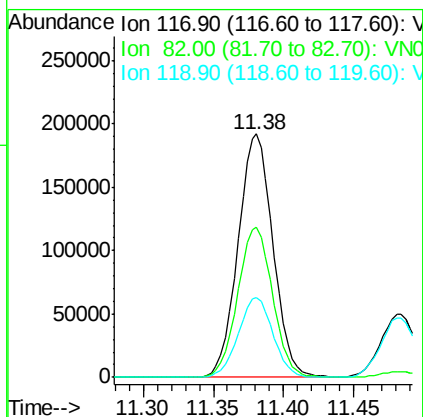
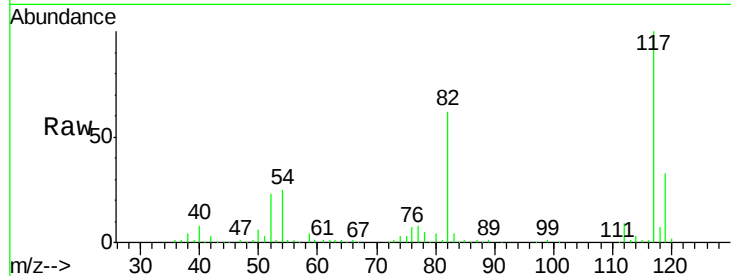




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

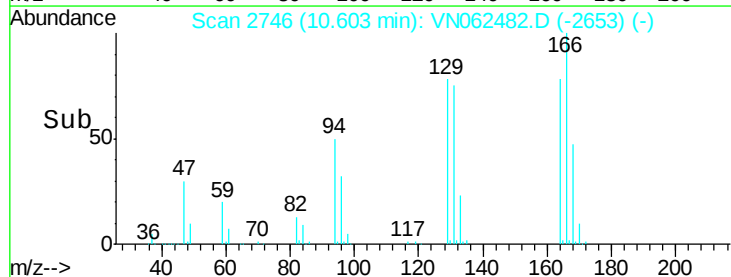
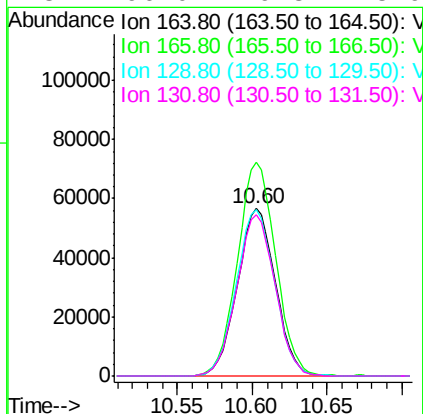
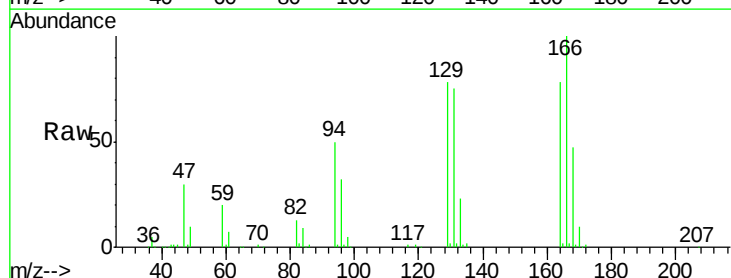
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

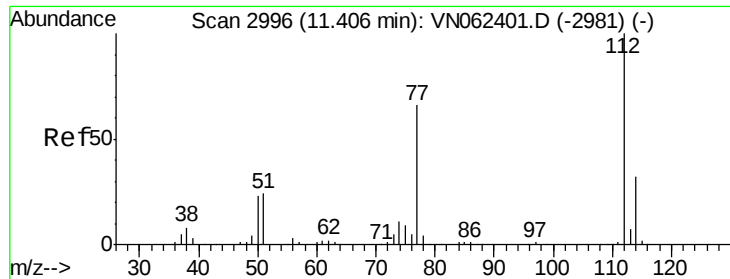
Tot Ion:117 Resp: 333791
Ion Ratio Lower Upper
117 100
82 61.6 49.6 74.4
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 50.732 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion:164 Resp: 100486
Ion Ratio Lower Upper
164 100
166 127.5 104.9 157.3
129 99.0 81.8 122.6
131 96.0 79.3 118.9

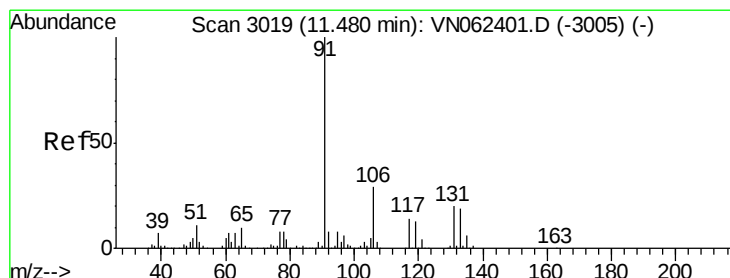
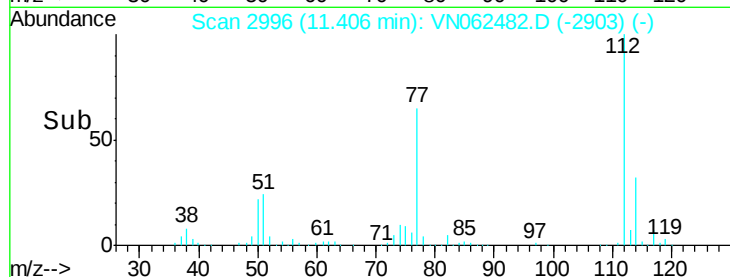
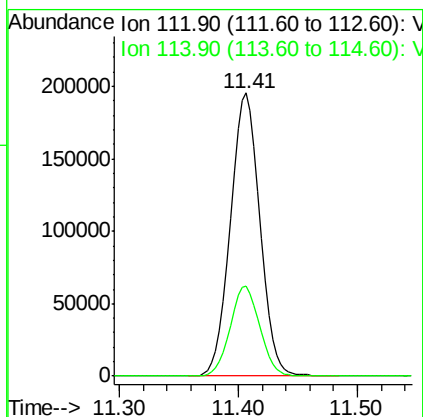
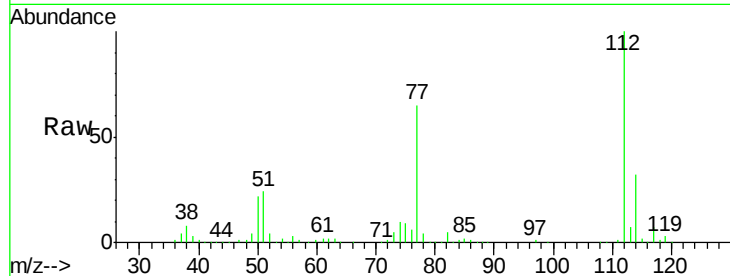




#65
Chlorobenzene
Concen: 51.697 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

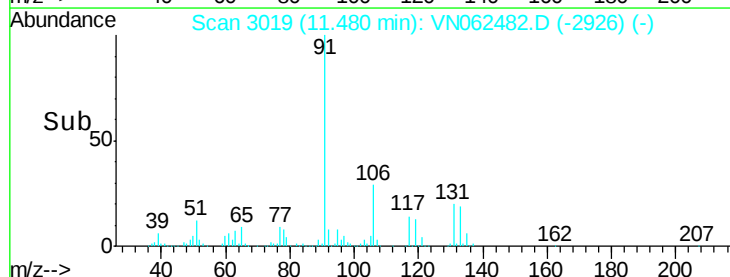
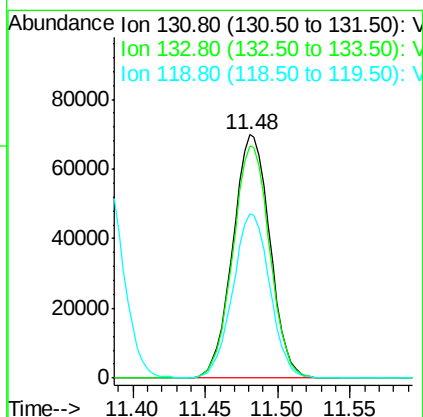
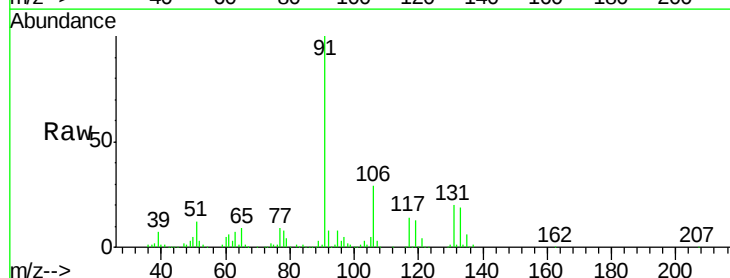
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

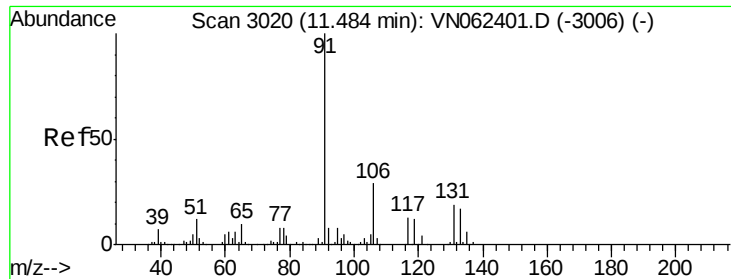
Tot Ion:112 Resp: 335378
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.888 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion:131 Resp: 124132
Ion Ratio Lower Upper
131 100
133 94.7 46.9 140.8
119 67.5 33.2 99.6





#67

Ethyl Benzene

Concen: 51.507 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

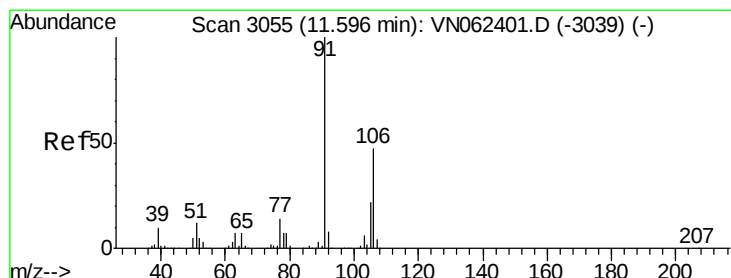
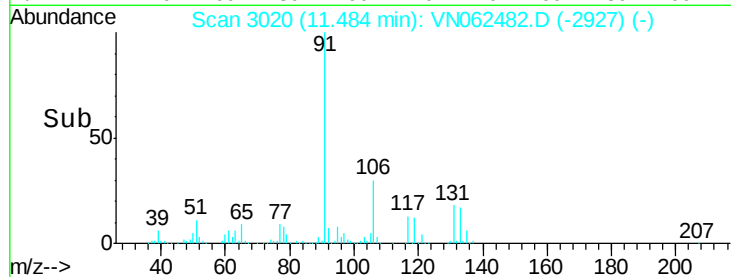
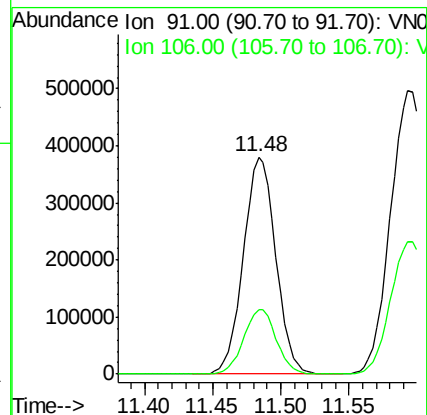
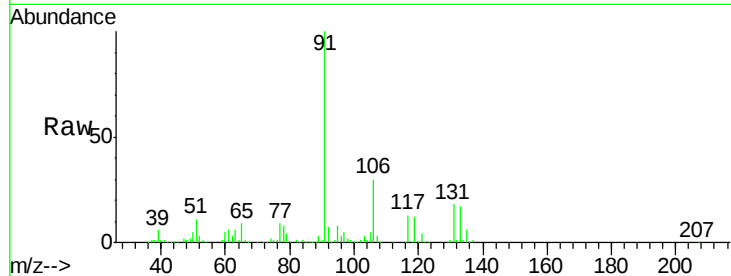
VSTDCCC050EC

Tot Ion: 91 Resp: 627214

Ion Ratio Lower Upper

91 100

106 29.7 23.4 35.2



#68

m/p-Xylenes

Concen: 105.147 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062482.D

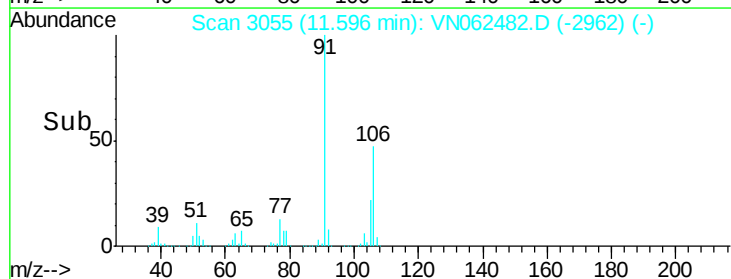
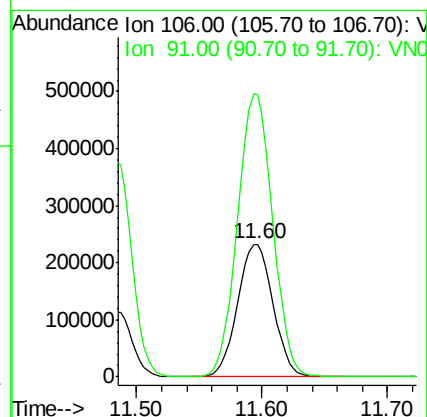
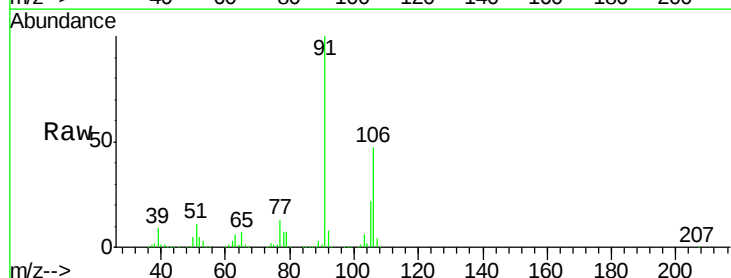
Acq: 10 Jul 2020 2:17

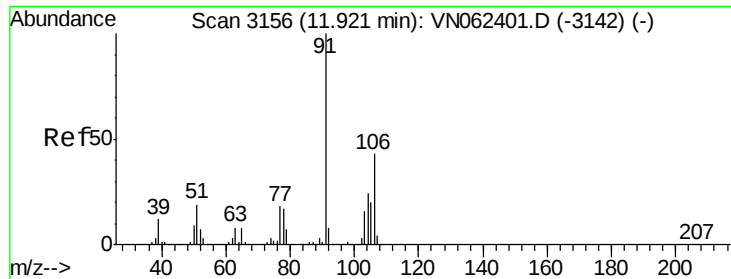
Tgt Ion: 106 Resp: 453272

Ion Ratio Lower Upper

106 100

91 213.0 172.4 258.6

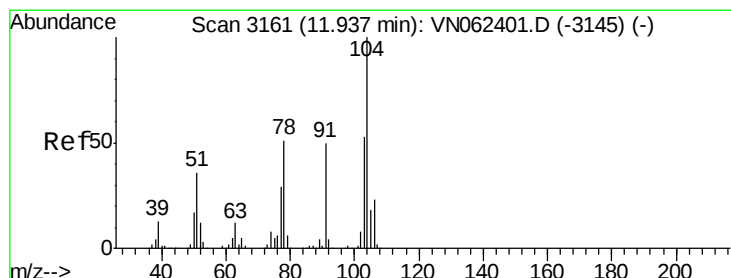
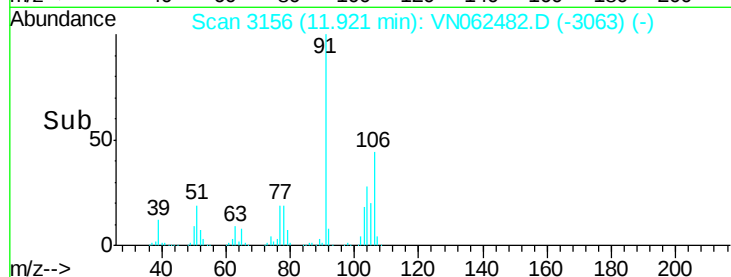
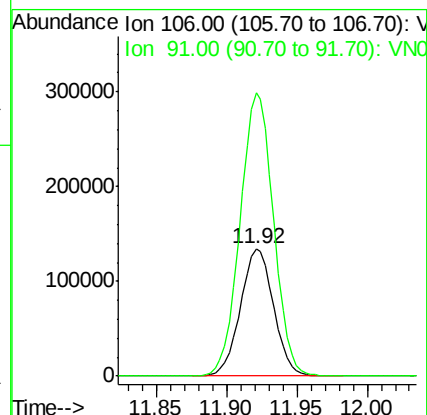
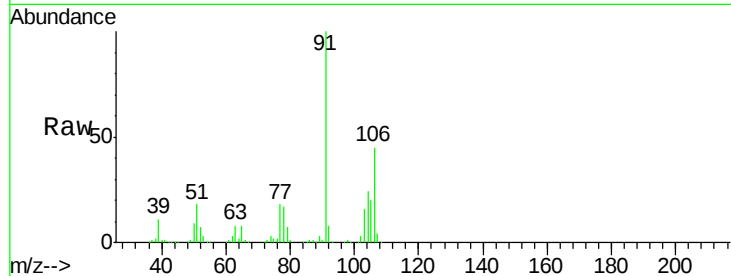




#69
o-Xylene
Concen: 52.764 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

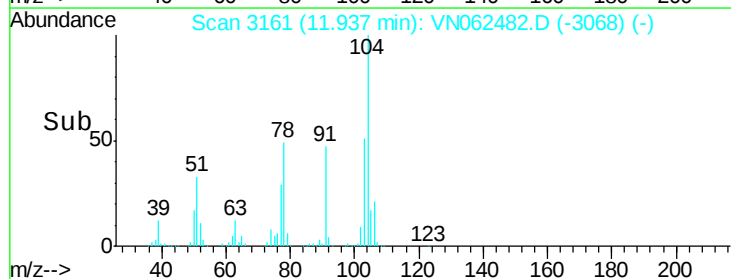
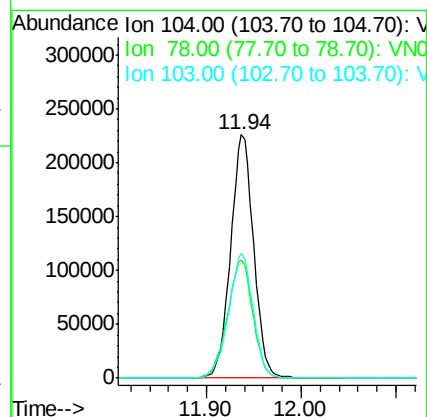
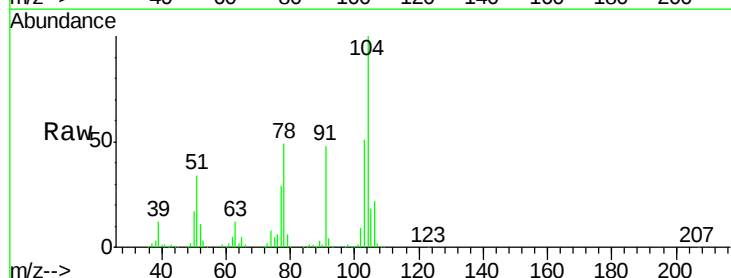
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

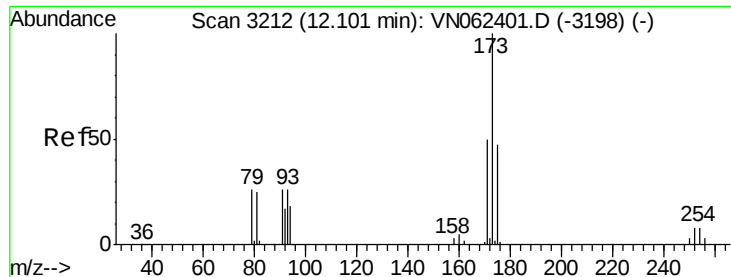
Tot Ion:106 Resp: 221463
Ion Ratio Lower Upper
106 100
91 224.0 113.8 341.4



#70
Styrene
Concen: 55.009 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062482.D
Acq: 10 Jul 2020 2:17

Tgt Ion:104 Resp: 381586
Ion Ratio Lower Upper
104 100
78 53.7 44.2 66.4
103 54.6 44.4 66.6





#71

Bromoform

Concen: 53.633 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

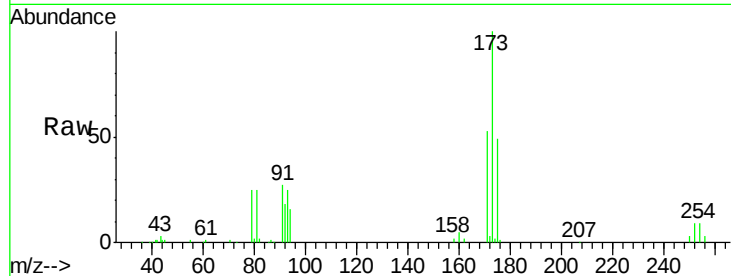
Tot Ion:173 Resp: 94058

Ion Ratio Lower Upper

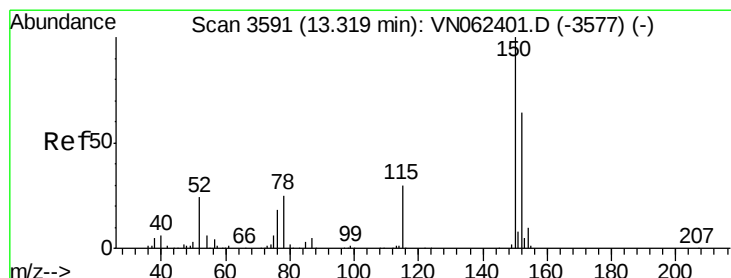
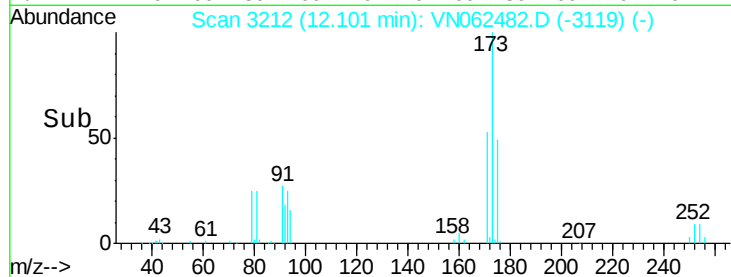
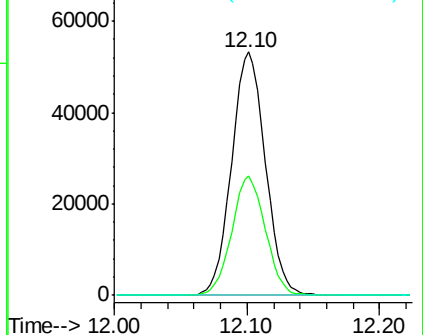
173 100

175 48.6 23.7 71.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

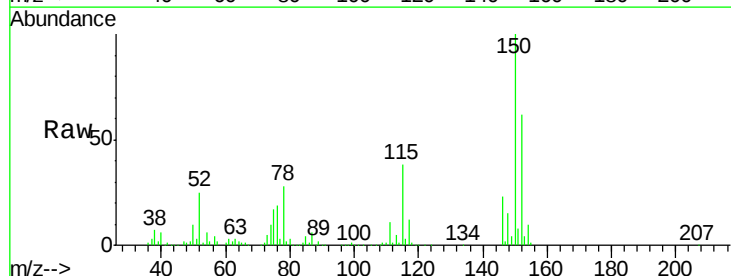
Tgt Ion:152 Resp: 152965

Ion Ratio Lower Upper

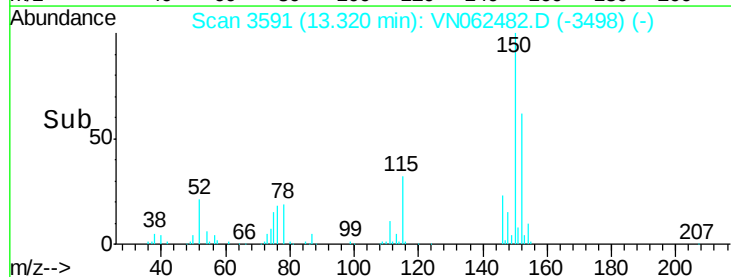
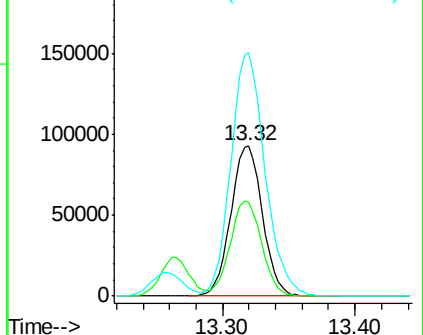
152 100

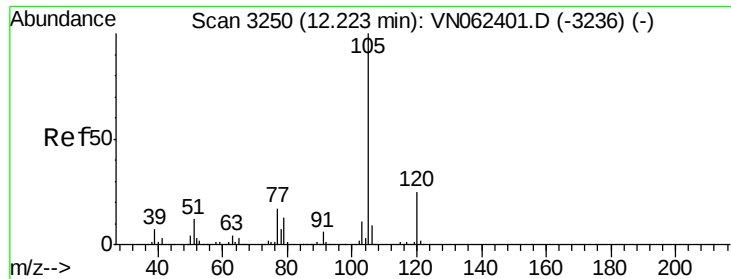
115 63.4 31.4 94.2

150 175.7 0.0 347.4



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: 49.673 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

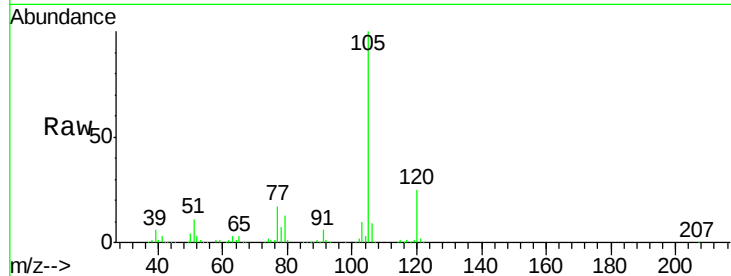
VSTDCCC050EC

Tot Ion:105 Resp: 587963

Ion Ratio Lower Upper

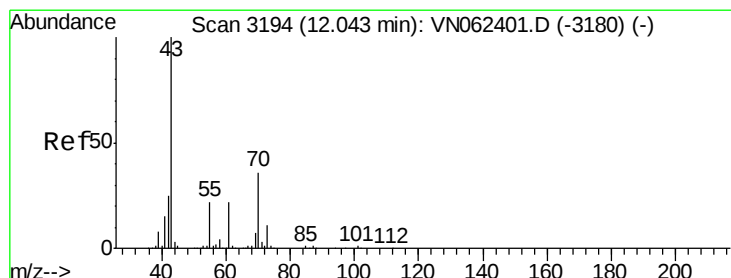
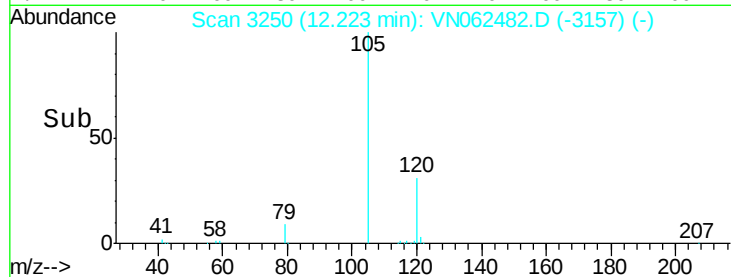
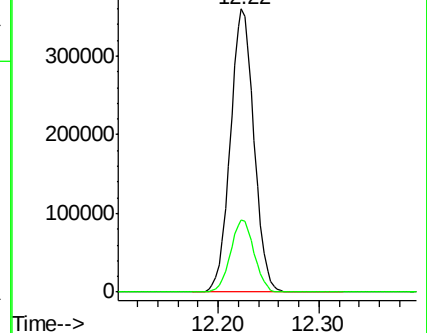
105 100

120 25.5 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.428 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Tgt Ion: 43 Resp: 302052

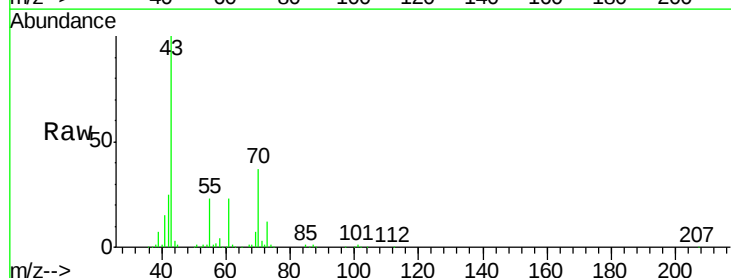
Ion Ratio Lower Upper

43 100

70 37.5 30.0 45.0

55 23.3 18.2 27.4

61 22.8 17.7 26.5

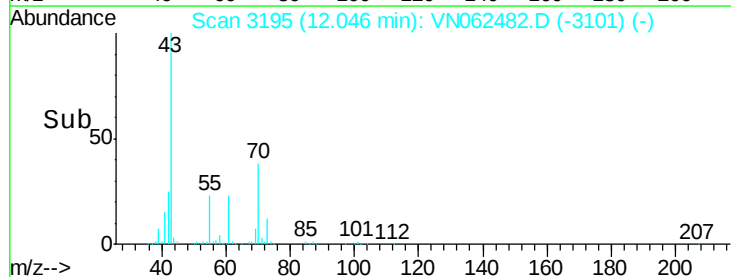
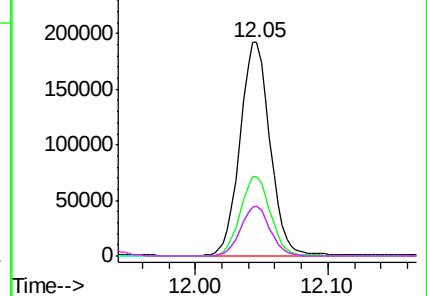


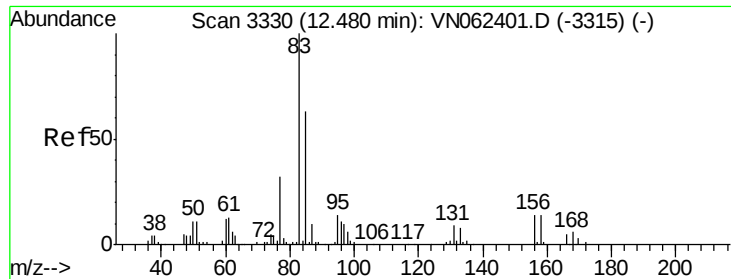
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.941 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

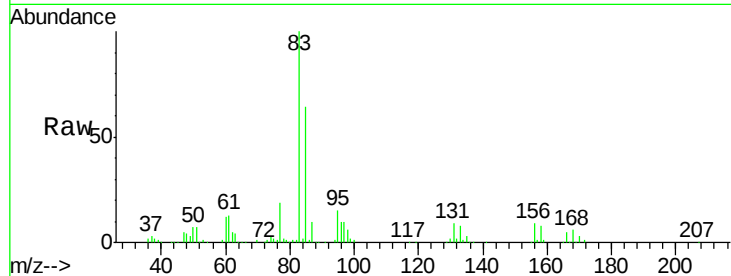
Tot Ion: 83 Resp: 198764

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

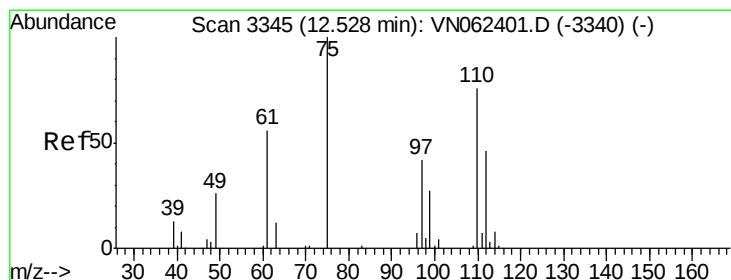
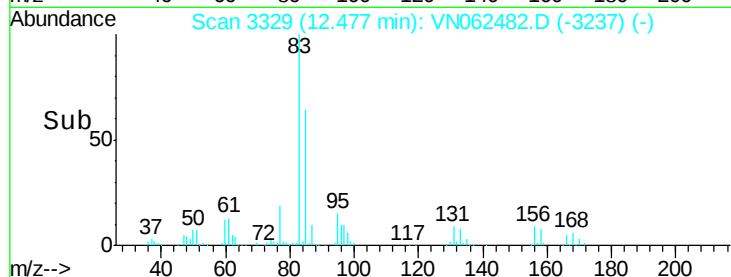
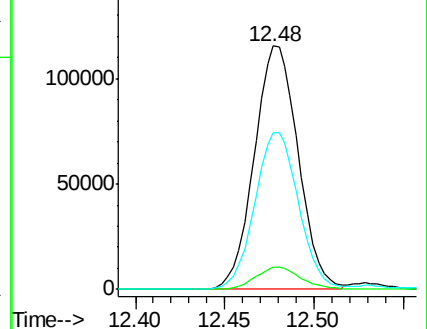
85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062401.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 68.170 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062482.D

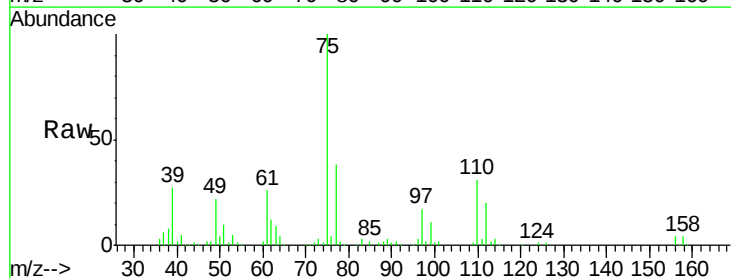
Acq: 10 Jul 2020 2:17

Tgt Ion: 75 Resp: 255859

Ion Ratio Lower Upper

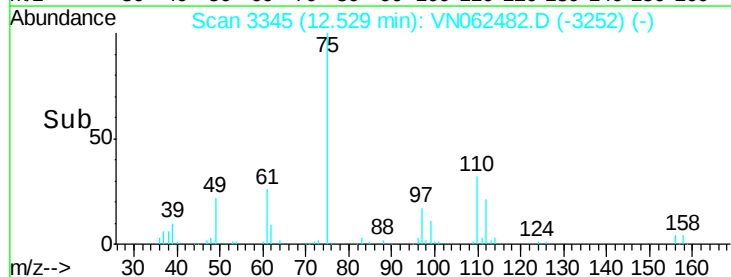
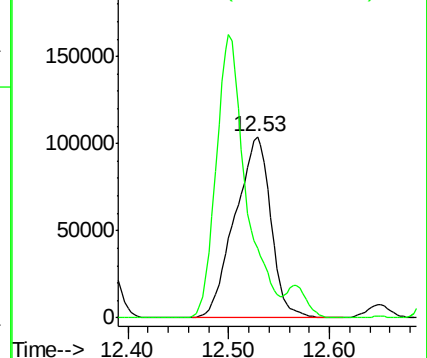
75 100

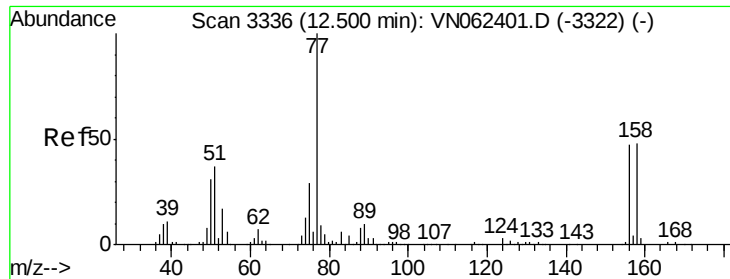
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3340) (-)





#77

Bromobenzene

Concen: 51.467 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

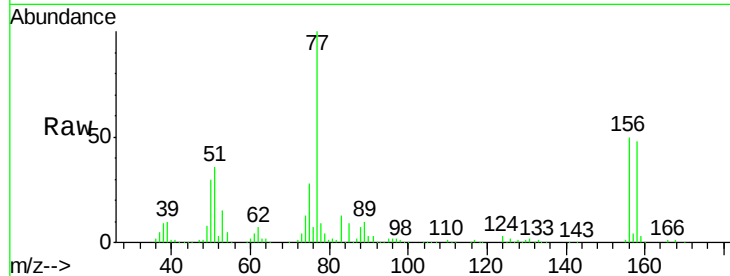
Tot Ion:156 Resp: 138497

Ion Ratio Lower Upper

156 100

77 240.9 126.4 379.3

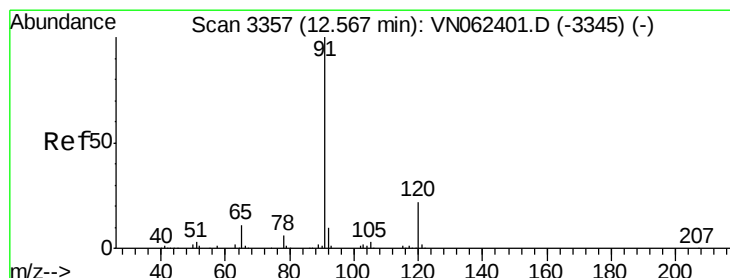
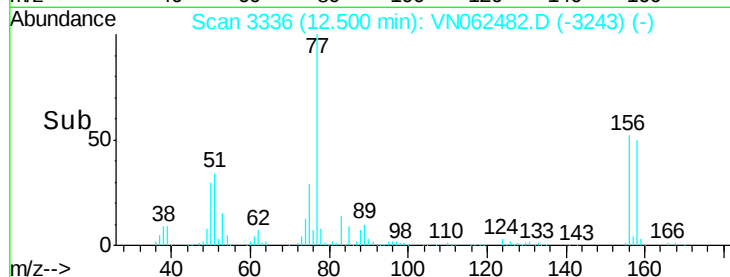
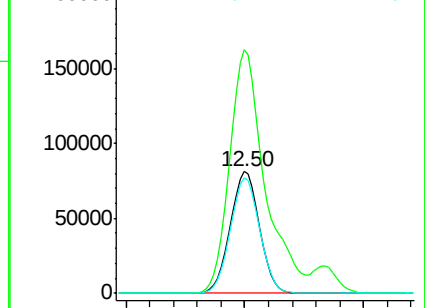
158 95.0 49.8 149.4



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: 50.339 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062482.D

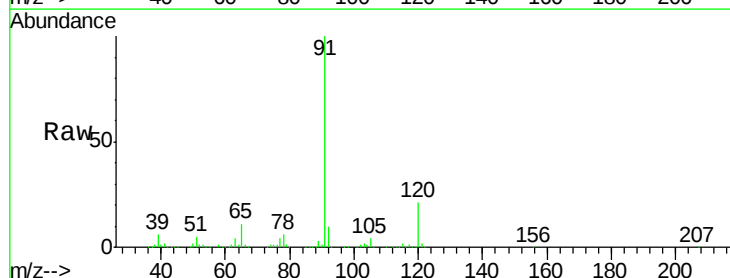
Acq: 10 Jul 2020 2:17

Tgt Ion: 91 Resp: 696014

Ion Ratio Lower Upper

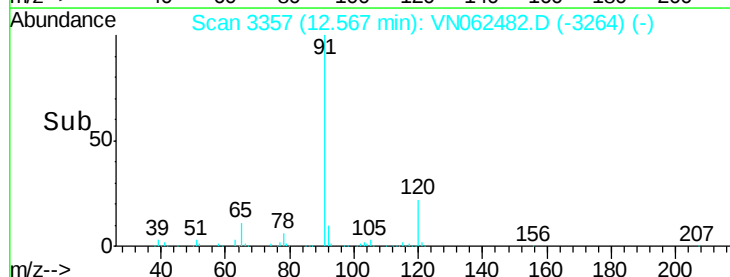
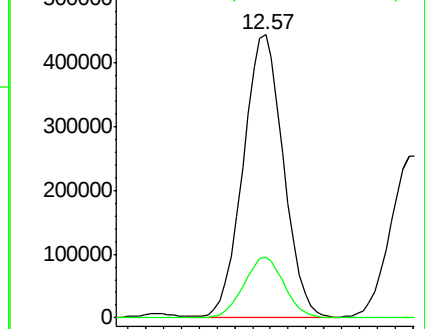
91 100

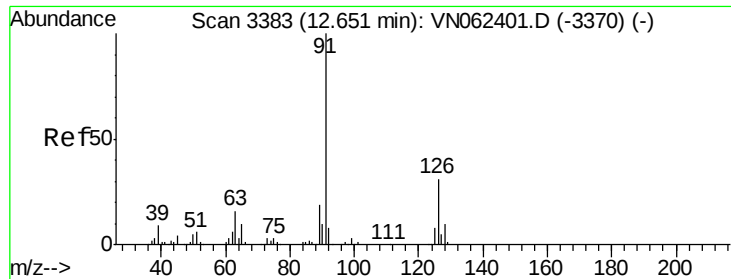
120 21.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.806 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

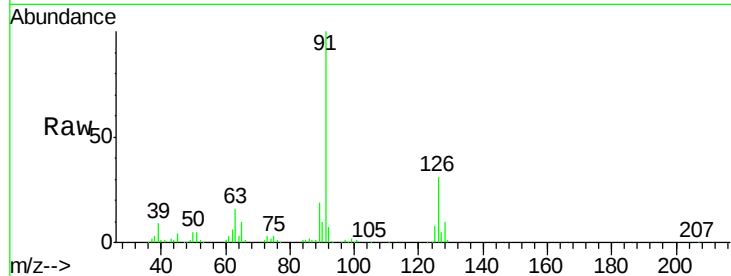
VSTDCCC050EC

Tot Ion: 91 Resp: 417960

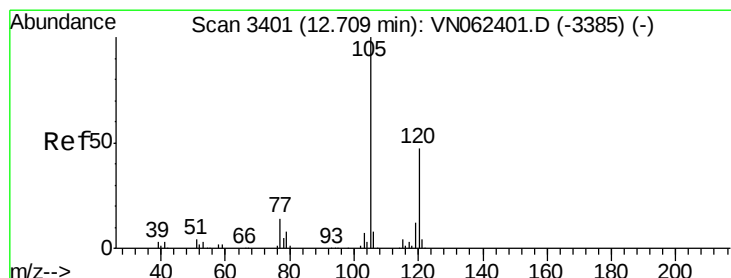
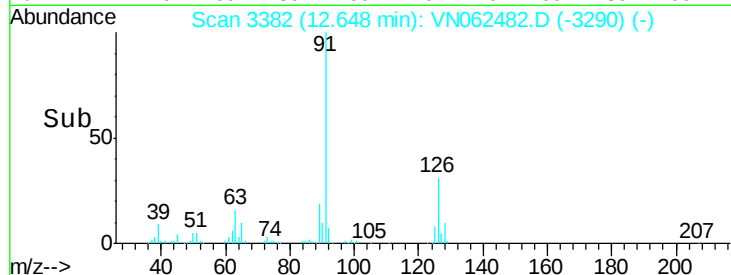
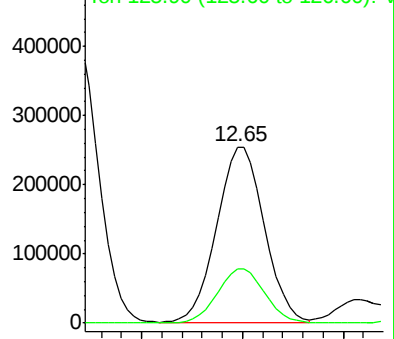
Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.720 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062482.D

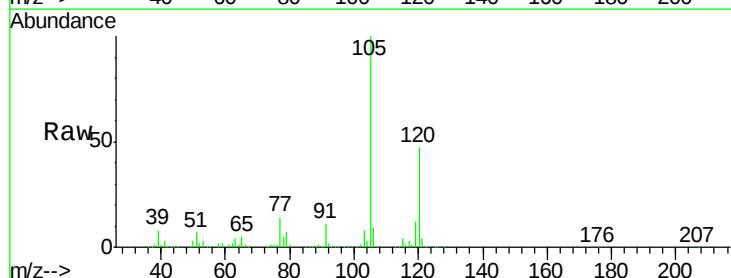
Acq: 10 Jul 2020 2:17

Tgt Ion: 105 Resp: 501868

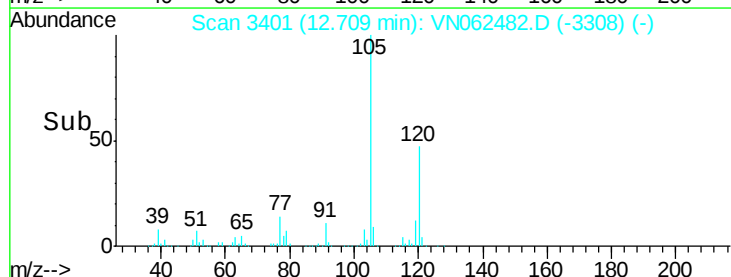
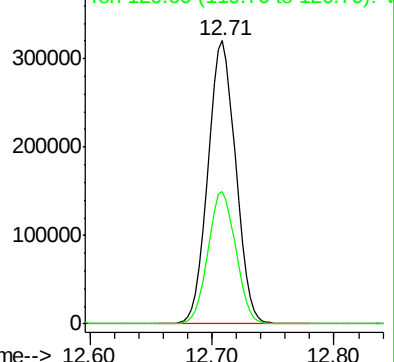
Ion Ratio Lower Upper

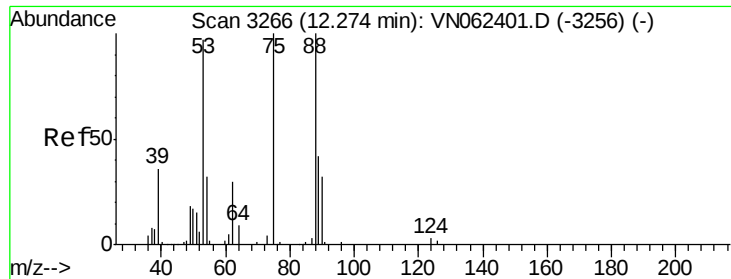
105 100

120 47.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.293 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

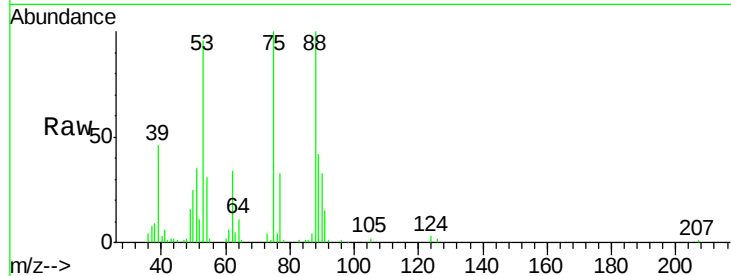
Tot Ion: 75 Resp: 64914

Ion Ratio Lower Upper

75 100

53 96.4 79.2 118.8

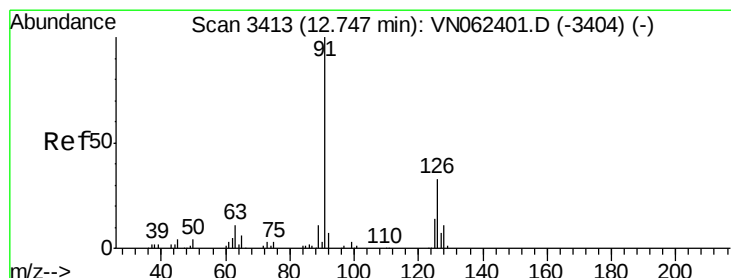
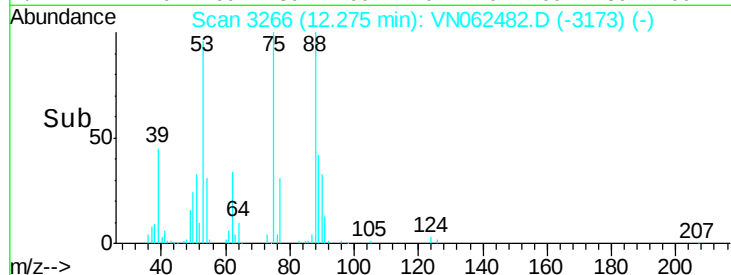
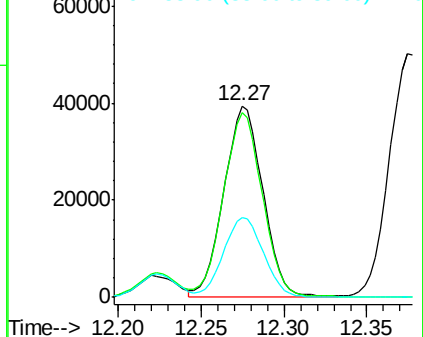
89 42.5 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.777 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062482.D

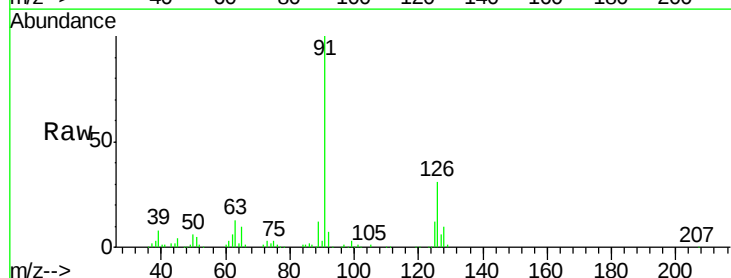
Acq: 10 Jul 2020 2:17

Tgt Ion: 91 Resp: 432592

Ion Ratio Lower Upper

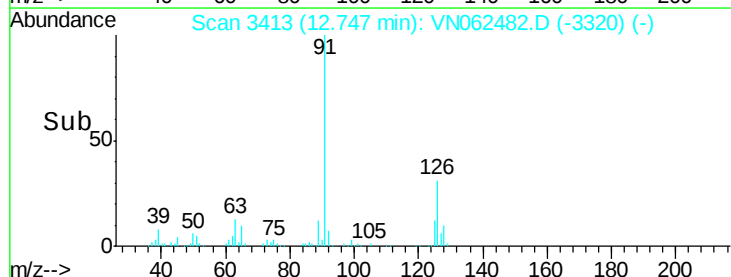
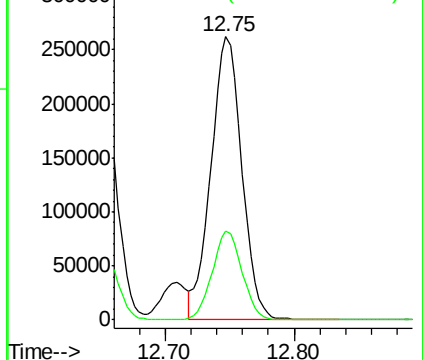
91 100

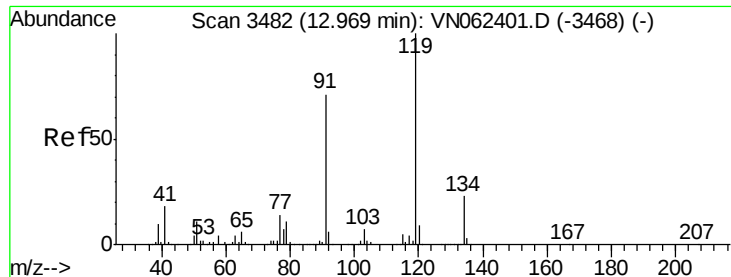
126 30.5 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

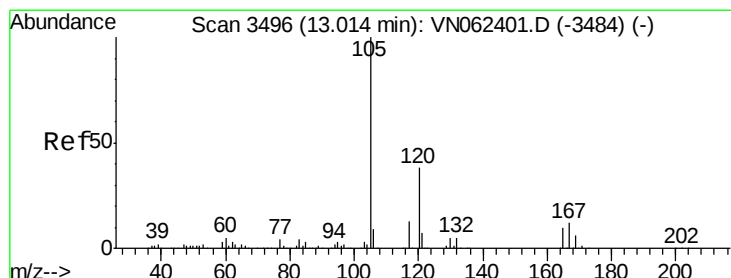
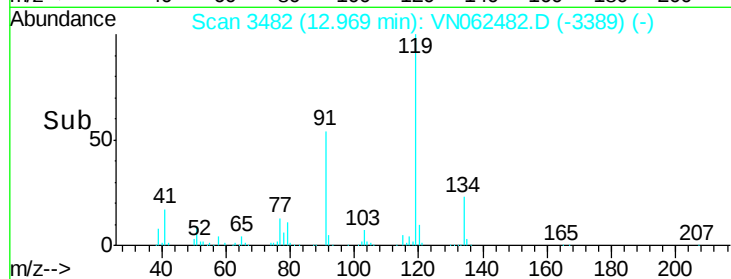
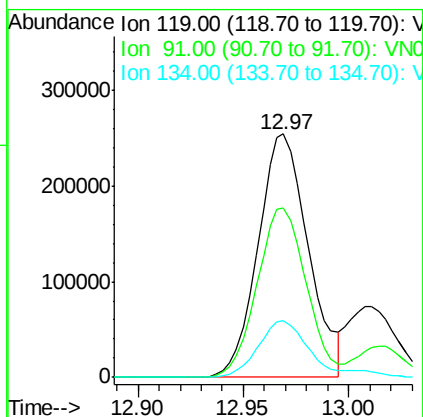
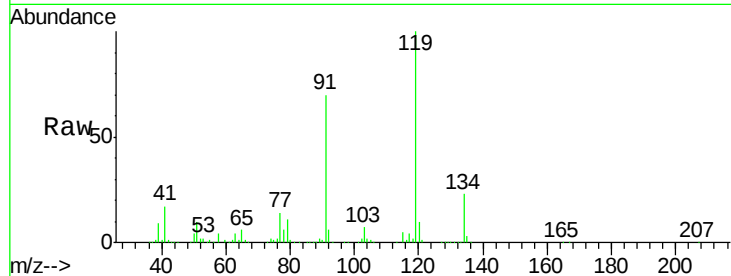




#83
 tert-Butylbenzene
 Concen: 51.114 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

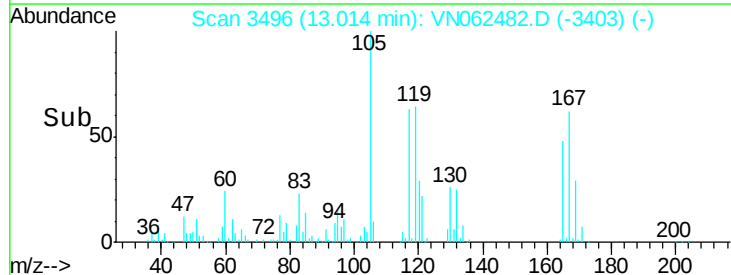
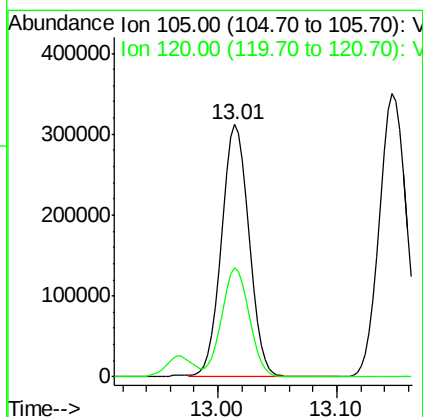
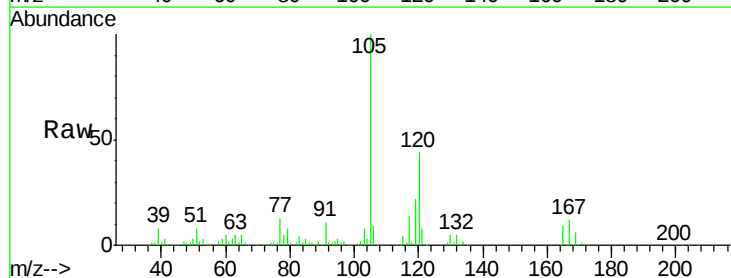
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

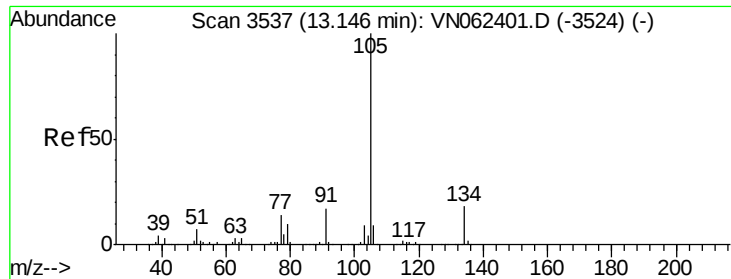
Tot Ion:119 Resp: 420908
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.3
 134 22.9 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.727 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Tgt Ion:105 Resp: 498911
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.6 64.8





#85

sec-Butylbenzene

Concen: 51.136 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

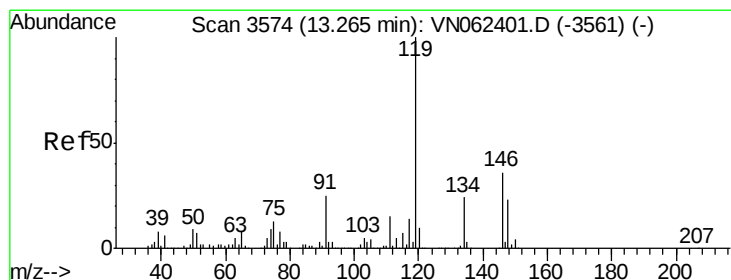
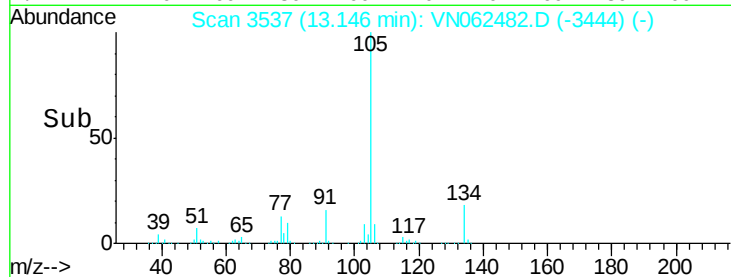
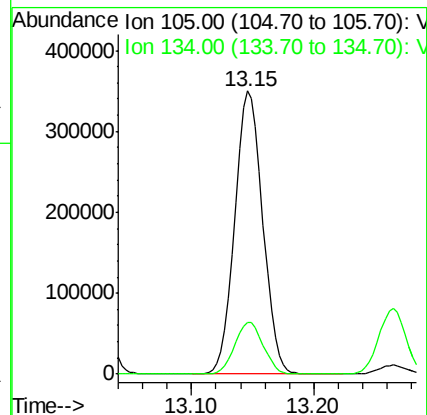
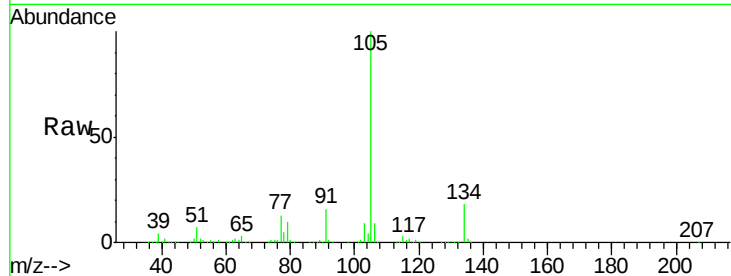
VSTDCCC050EC

Tot Ion:105 Resp: 557983

Ion Ratio Lower Upper

105 100

134 18.8 9.3 28.0



#86

p-Isopropyltoluene

Concen: 52.107 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

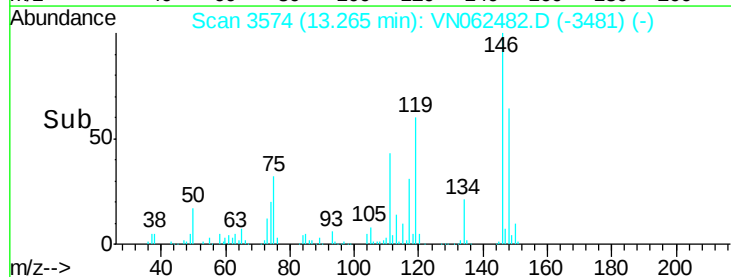
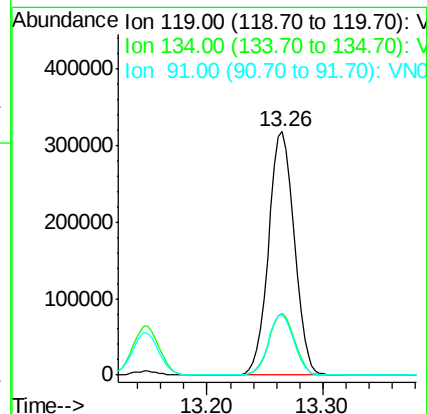
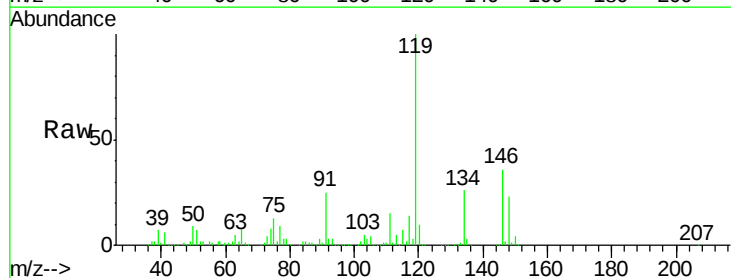
Tgt Ion:119 Resp: 490733

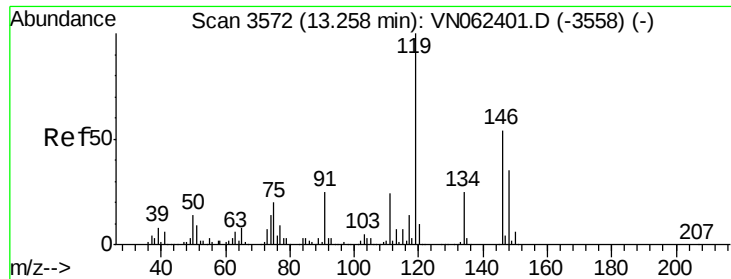
Ion Ratio Lower Upper

119 100

134 25.4 12.4 37.0

91 24.8 12.4 37.4

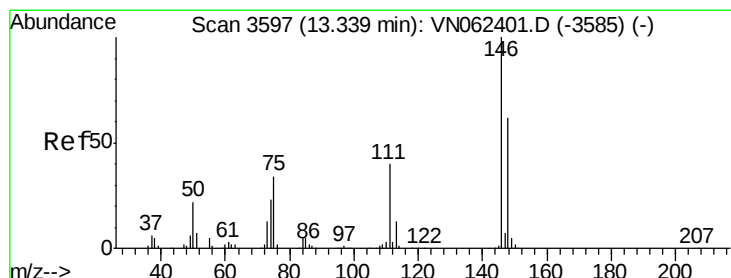
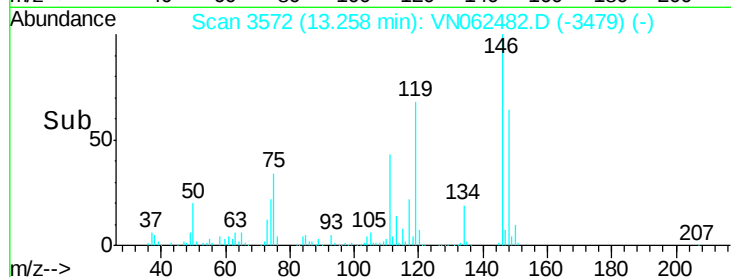
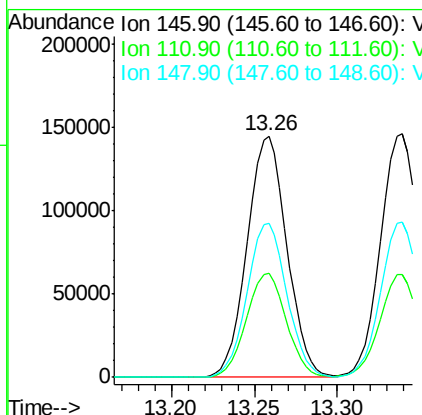
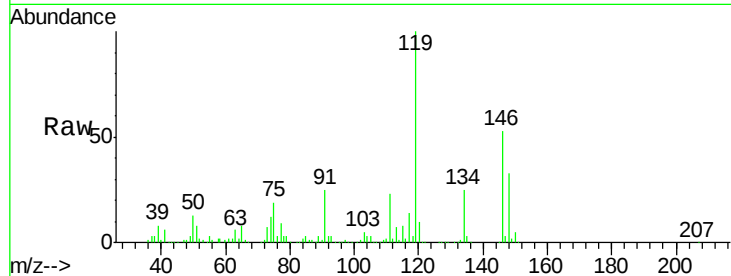




#87
 1,3-Dichlorobenzene
 Concen: 52.013 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

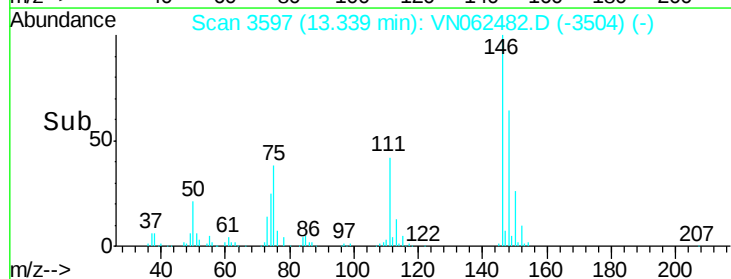
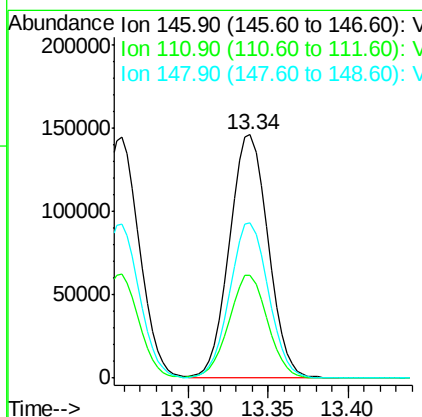
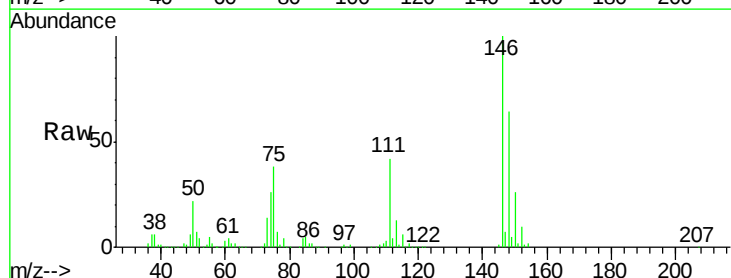
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

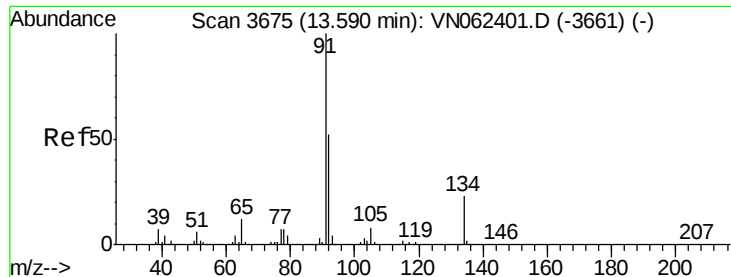
Tot Ion:146 Resp: 241460
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.6 64.6
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.237 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Tgt Ion:146 Resp: 239970
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.1
 148 64.4 31.4 94.2





#89

n-Butylbenzene

Concen: 51.016 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

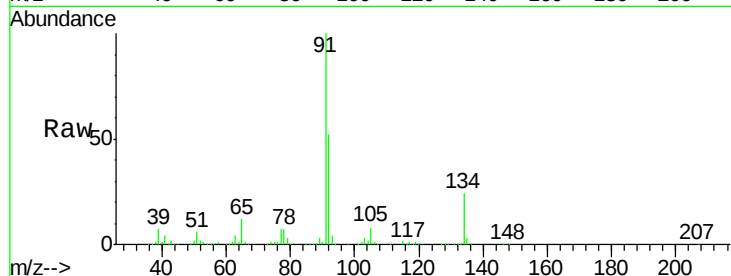
Tot Ion: 91 Resp: 424236

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.7

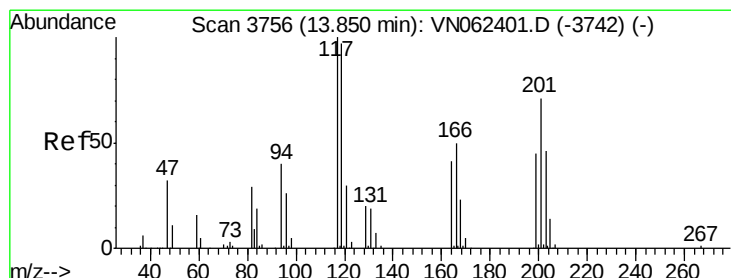
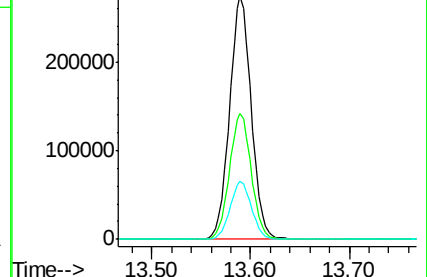
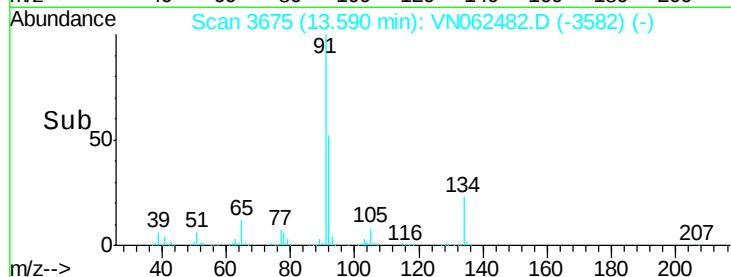
134 23.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062401.D (-3661) (-)



#90

Hexachloroethane

Concen: 51.267 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062482.D

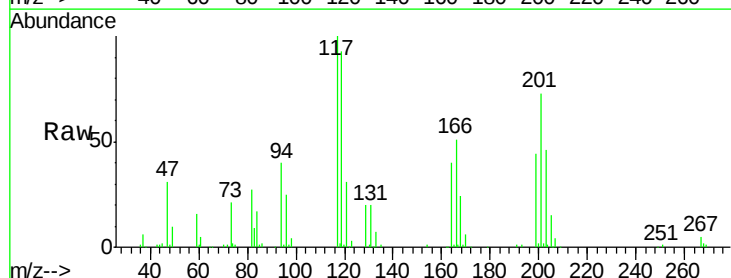
Acq: 10 Jul 2020 2:17

Tgt Ion: 117 Resp: 94977

Ion Ratio Lower Upper

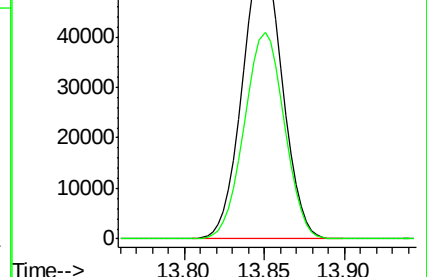
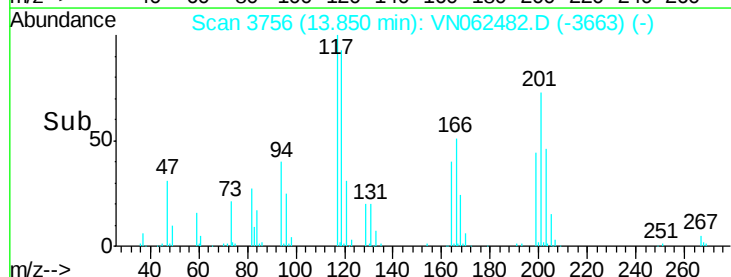
117 100

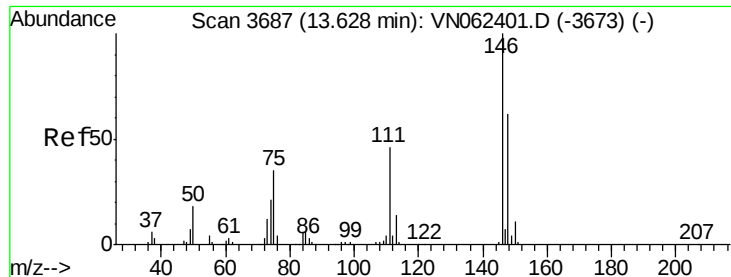
201 73.2 35.4 106.2



Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062401.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 52.515 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

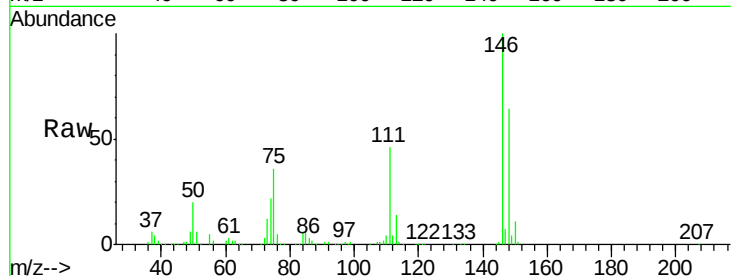
Tot Ion:146 Resp: 235716

Ion Ratio Lower Upper

146 100

111 45.1 22.5 67.5

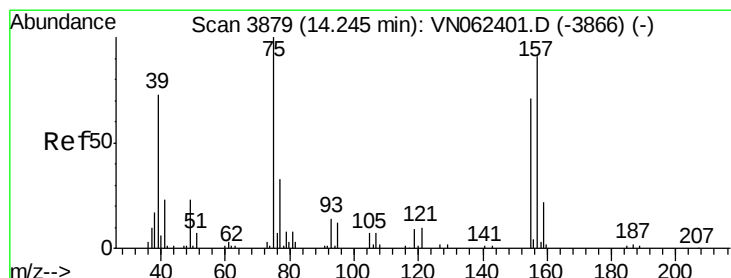
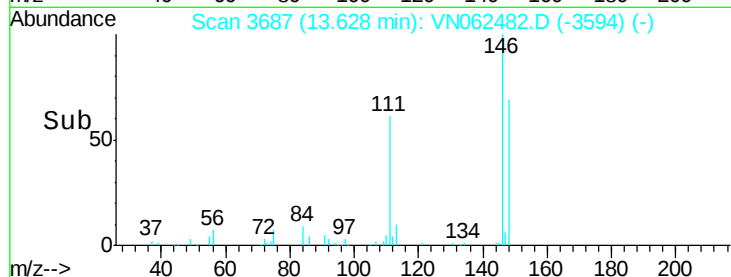
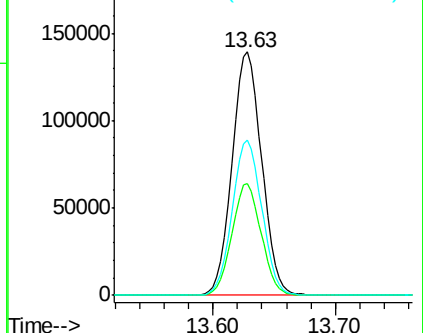
148 63.6 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.089 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

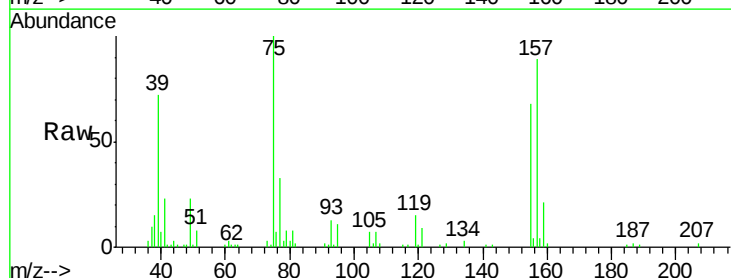
Tgt Ion: 75 Resp: 37106

Ion Ratio Lower Upper

75 100

155 71.8 35.2 105.6

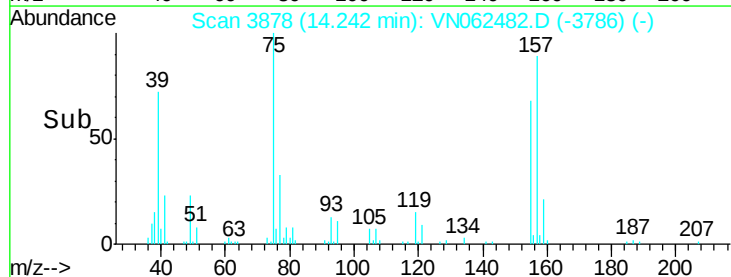
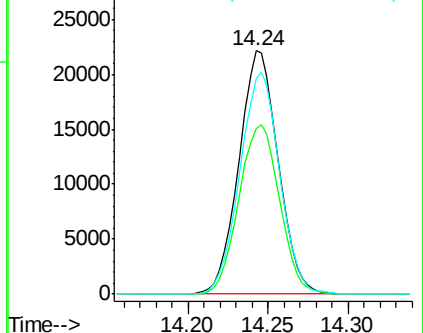
157 92.2 45.8 137.3

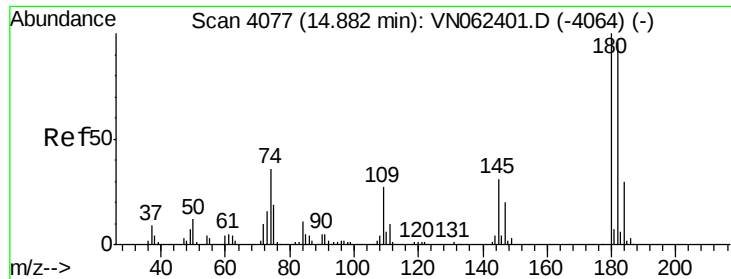


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

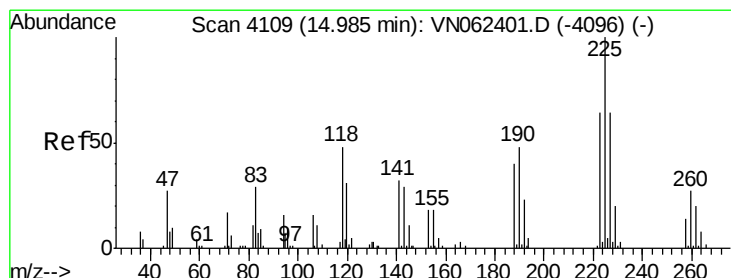
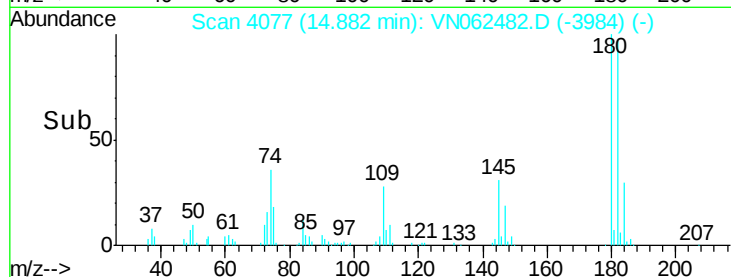
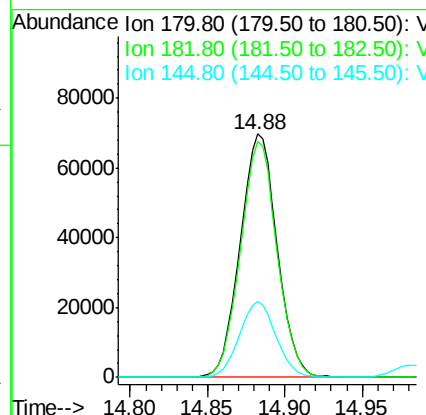
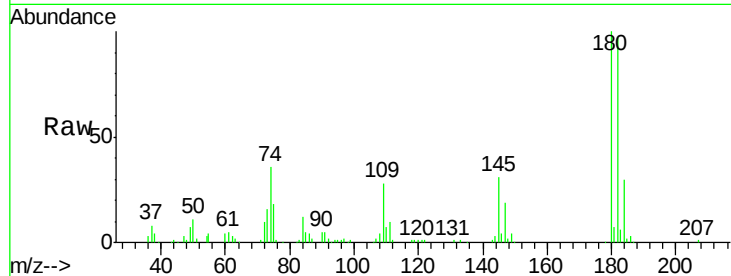




#93
 1,2,4-Trichlorobenzene
 Concen: 47.172 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

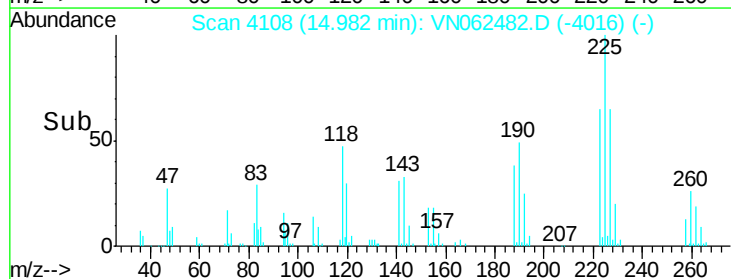
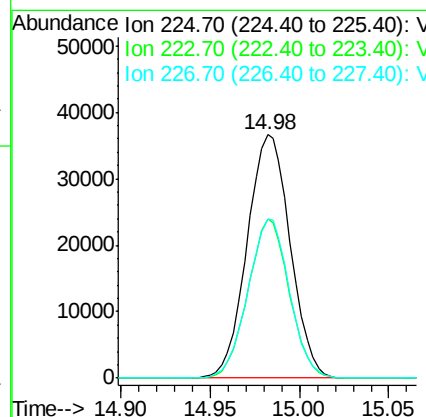
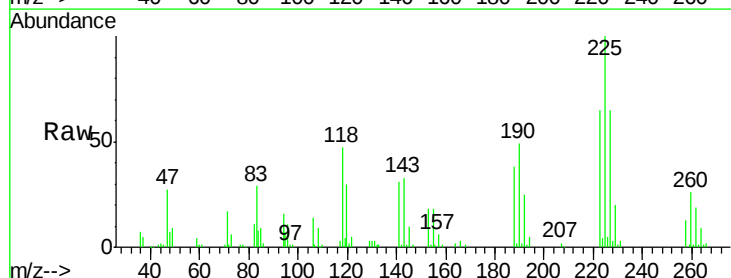
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

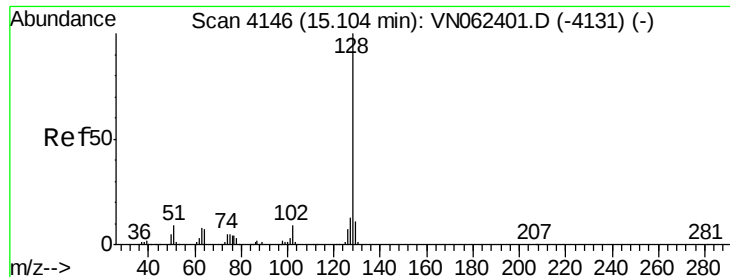
Tot Ion:180 Resp: 115475
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.4 145.2
 145 30.9 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 51.788 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062482.D
 Acq: 10 Jul 2020 2:17

Tgt Ion:225 Resp: 61719
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.3 96.8
 227 63.1 31.9 95.7





#95

Naphthalene

Concen: 53.444 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

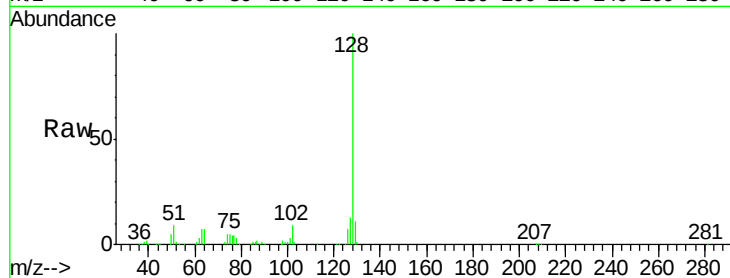
Tot Ion:128 Resp: 314840

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

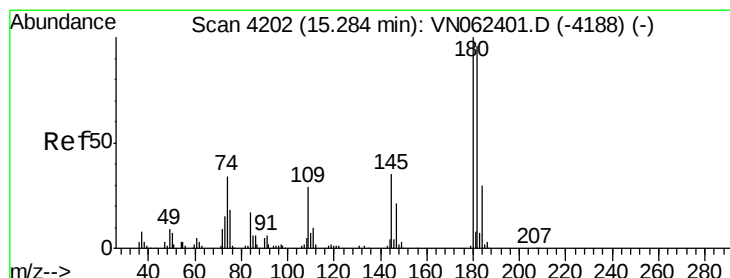
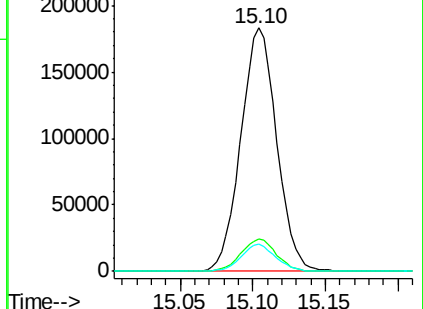
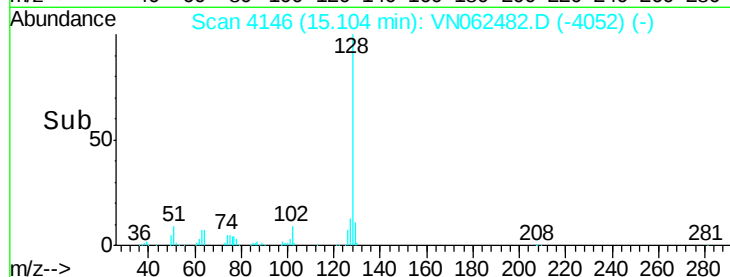
129 10.8 8.6 12.8



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: 48.949 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062482.D

Acq: 10 Jul 2020 2:17

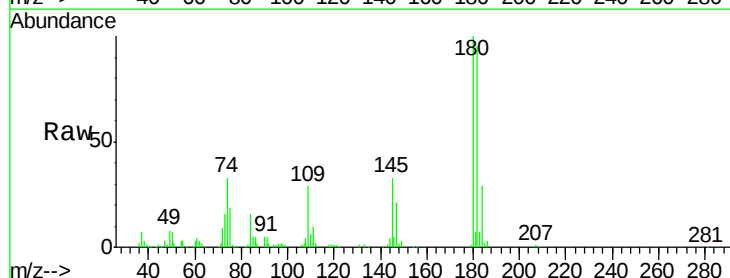
Tgt Ion:180 Resp: 118128

Ion Ratio Lower Upper

180 100

182 93.8 47.8 143.4

145 32.8 17.0 50.9



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

