

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062584.D
 Acq On : 21 Jul 2020 20:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 22 05:09:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	197111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	315843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	155338	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.55	113	112222	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.06	98	435525	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.38	95	158021	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	112193	47.718	ug/l	100
3) Chloromethane	2.04	50	160924	50.463	ug/l	96
4) Vinyl Chloride	2.16	62	140202	50.716	ug/l	99
5) Bromomethane	2.52	94	61373	50.124	ug/l	100
6) Chloroethane	2.66	64	64201	51.341	ug/l	99
7) Trichlorofluoromethane	2.98	101	164125	50.566	ug/l	100
8) Diethyl Ether	3.37	74	82115	54.100	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	103368	49.672	ug/l	100
10) Methyl Iodide	3.91	142	146844	55.194	ug/l	100
11) Tert butyl alcohol	4.74	59	131883	270.747	ug/l	99
12) 1,1-Dichloroethene	3.69	96	108278	51.303	ug/l	98
13) Acrolein	3.57	56	127133	250.261	ug/l	98
14) Allyl chloride	4.27	41	242758	53.174	ug/l	100
15) Acrylonitrile	4.93	53	374582	287.101	ug/l	99
16) Acetone	3.78	43	304103	263.918	ug/l	99
17) Carbon Disulfide	4.01	76	340644	49.123	ug/l	100
18) Methyl Acetate	4.28	43	169352	58.056	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	425243	54.742	ug/l	98
20) Methylene Chloride	4.50	84	138758	50.209	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	121439	51.843	ug/l	99
22) Diisopropyl ether	5.90	45	494160	54.455	ug/l	98
23) Vinyl Acetate	5.84	43	2104683	283.054	ug/l	99
24) 1,1-Dichloroethane	5.80	63	261927	53.600	ug/l	99
25) 2-Butanone	6.79	43	494864	281.996	ug/l	100
26) 2,2-Dichloropropane	6.78	77	190228	47.420	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	140952	52.733	ug/l	99
28) Bromochloromethane	7.15	49	129289	53.761	ug/l	99
29) Tetrahydrofuran	7.17	42	343729	289.471	ug/l	99
30) Chloroform	7.33	83	245242	52.783	ug/l	97
31) Cyclohexane	7.62	56	215576	47.780	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	205186	52.894	ug/l	99
36) 1,1-Dichloropropene	7.75	75	180724	50.077	ug/l	99
37) Ethyl Acetate	6.88	43	208153	53.506	ug/l	100
38) Carbon Tetrachloride	7.73	117	173794	50.099	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	187063	48.152	ug/l	98
40) Benzene	8.00	78	557618	51.036	ug/l	99
41) Methacrylonitrile	7.17	41	301934	181.094	ug/l #	14
42) 1,2-Dichloroethane	8.08	62	208706	52.249	ug/l	100
43) Isopropyl Acetate	8.13	43	339341	54.110	ug/l	100
44) Trichloroethene	8.80	130	123692	50.201	ug/l	98
45) 1,2-Dichloropropane	9.08	63	161195	52.546	ug/l	97
46) Dibromomethane	9.17	93	94247	53.156	ug/l	98
47) Bromodichloromethane	9.37	83	198807	51.756	ug/l	99
48) Methyl methacrylate	9.17	41	167454	56.170	ug/l	99
49) 1,4-Dioxane	9.17	88	51513	1125.043	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1067329	284.439	ug/l	100
52) Toluene	10.12	92	332216	52.364	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	226106	52.877	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	242129	52.770	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	131110	53.277	ug/l	98
56) Ethyl methacrylate	10.40	69	224727	50.826	ug/l	100
57) 1,3-Dichloropropane	10.68	76	238029	52.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	353066	264.117	ug/l	100
59) 2-Hexanone	10.72	43	780101	268.593	ug/l	100
60) Dibromochloromethane	10.87	129	144172	52.515	ug/l	97
61) 1,2-Dibromoethane	10.98	107	134903	52.645	ug/l	98
64) Tetrachloroethene	10.60	164	100457	48.953	ug/l	97
65) Chlorobenzene	11.41	112	339396	51.257	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	128378	51.537	ug/l	98
67) Ethyl Benzene	11.48	91	635048	52.308	ug/l	99
68) m/p-Xylenes	11.59	106	456659	104.651	ug/l	99
69) o-Xylene	11.92	106	220989	53.331	ug/l	99
70) Styrene	11.94	104	380058	54.296	ug/l	98
71) Bromoform	12.10	173	102262	54.677	ug/l #	98
73) Isopropylbenzene	12.22	105	594355	51.469	ug/l	99
74) N-amyl acetate	12.05	43	300516	58.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	205360	51.176	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	272407	73.281	ug/l #	100
77) Bromobenzene	12.50	156	141348	50.934	ug/l	98
78) n-propylbenzene	12.57	91	697867	51.592	ug/l	99
79) 2-Chlorotoluene	12.65	91	424368	50.907	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	504108	52.627	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	71036	53.196	ug/l	99
82) 4-Chlorotoluene	12.75	91	431874	49.773	ug/l	100
83) tert-Butylbenzene	12.97	119	419821	52.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	498392	53.038	ug/l	99
85) sec-Butylbenzene	13.15	105	550425	51.690	ug/l	99
86) p-Isopropyltoluene	13.26	119	482989	52.736	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	246254	50.566	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	243906	50.877	ug/l	99
89) n-Butylbenzene	13.59	91	397466	50.507	ug/l	100
90) Hexachloroethane	13.85	117	96144	49.312	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	243474	52.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	40640	55.780	ug/l	99

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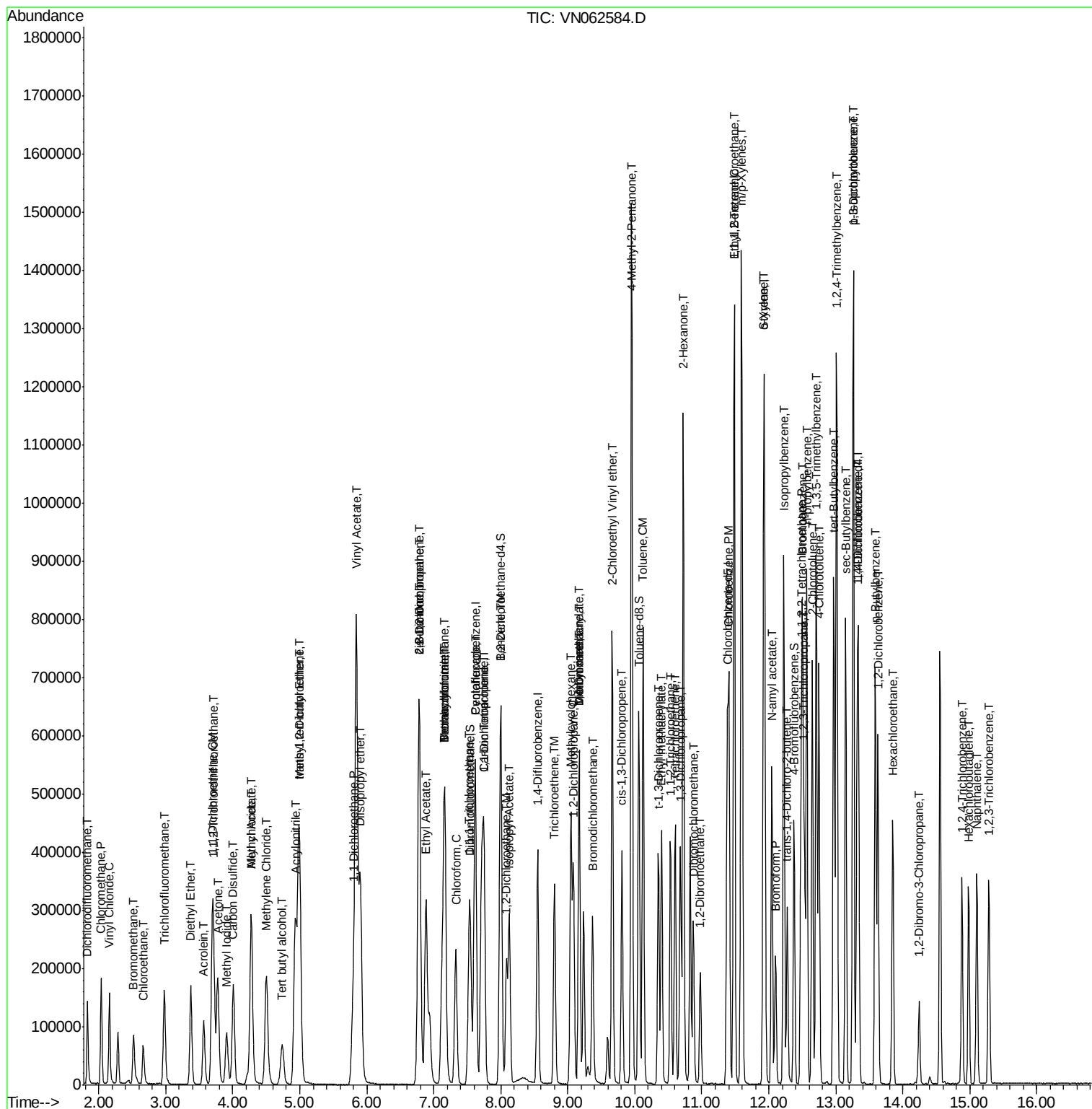
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	108622	44.714	ug/l	98
94) Hexachlorobutadiene	14.98	225	64572	51.269	ug/l	99
95) Naphthalene	15.10	128	297073	46.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	114852	52.337	ug/l	98

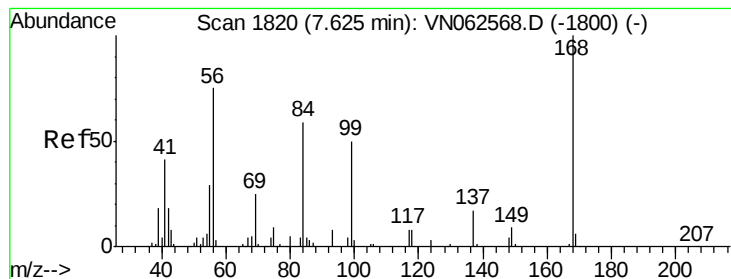
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

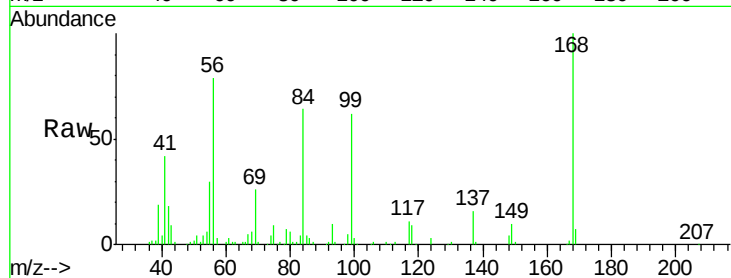
VSTDCCC050EC

Tot Ion:168 Resp: 197111

Ion Ratio Lower Upper

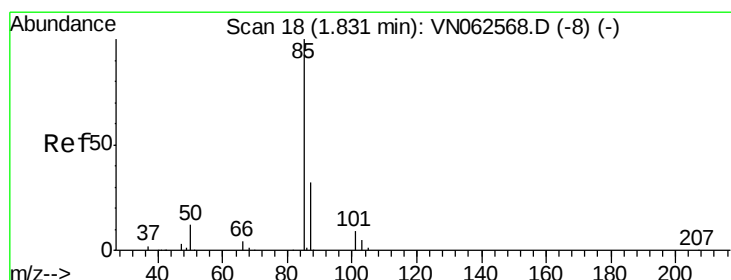
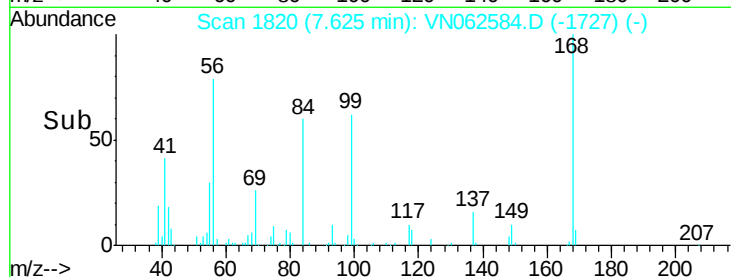
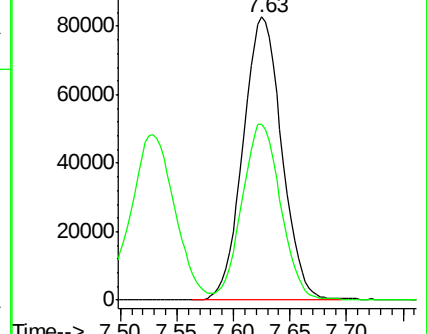
168 100

99 61.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.718 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062584.D

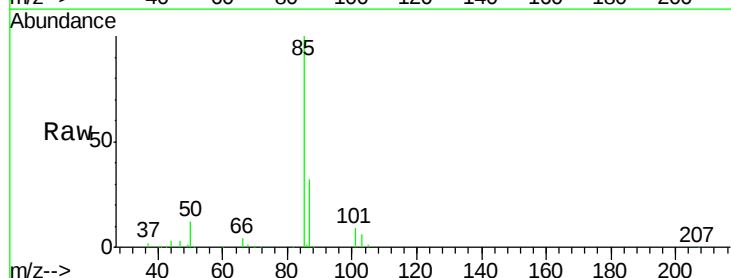
Acq: 21 Jul 2020 20:28

Tgt Ion: 85 Resp: 112193

Ion Ratio Lower Upper

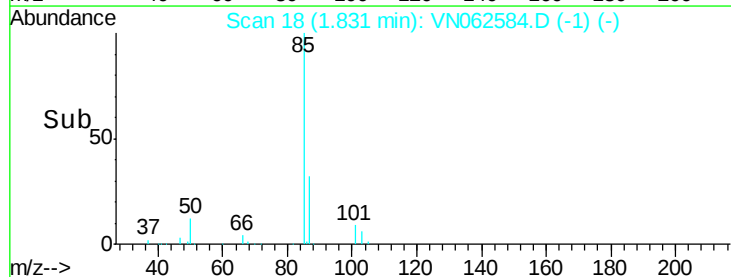
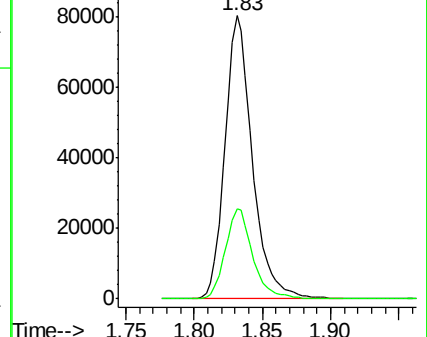
85 100

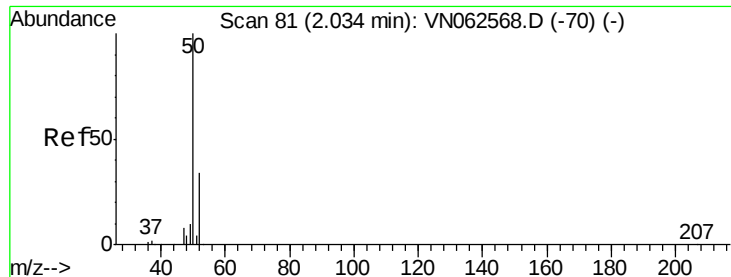
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.463 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

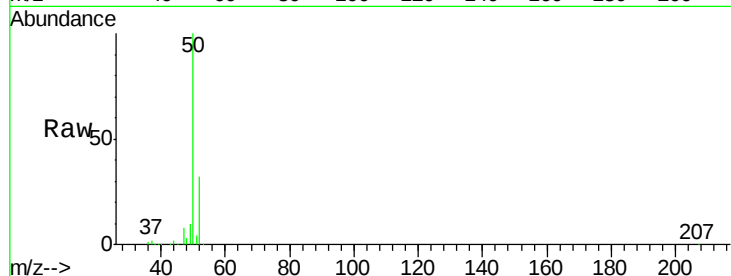
VSTDCCC050EC

Tot Ion: 50 Resp: 160924

Ion Ratio Lower Upper

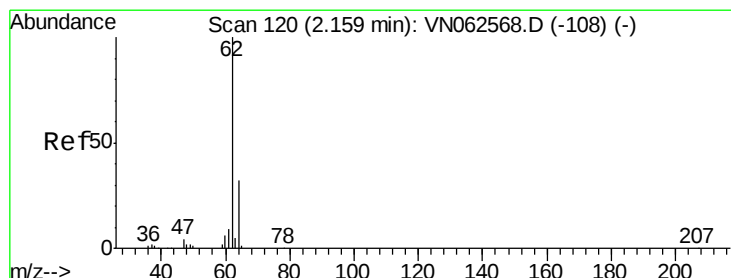
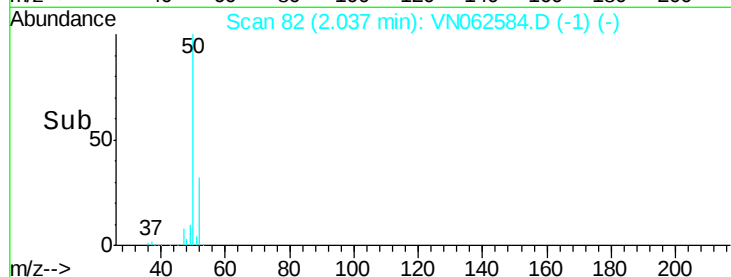
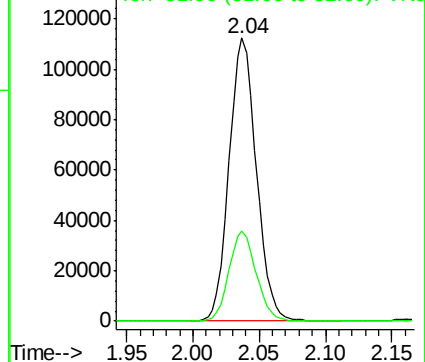
50 100

52 31.6 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.716 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062584.D

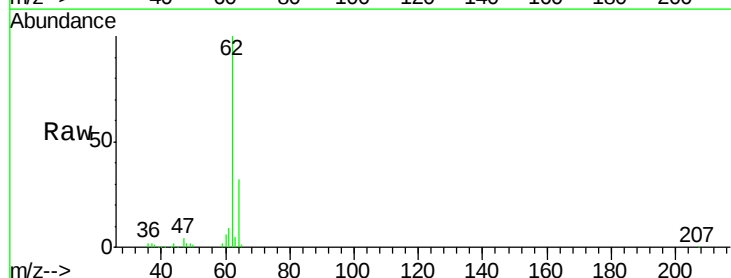
Acq: 21 Jul 2020 20:28

Tgt Ion: 62 Resp: 140202

Ion Ratio Lower Upper

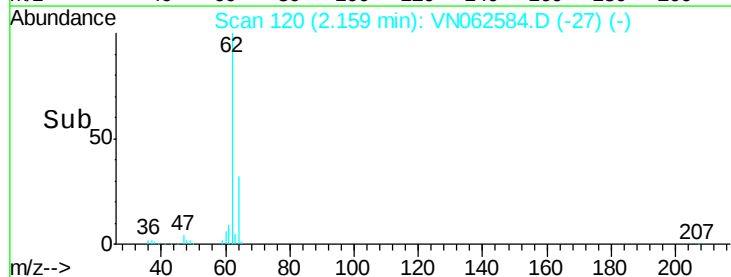
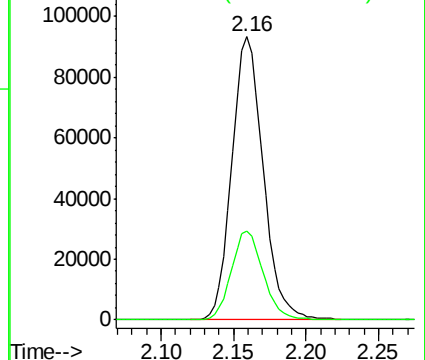
62 100

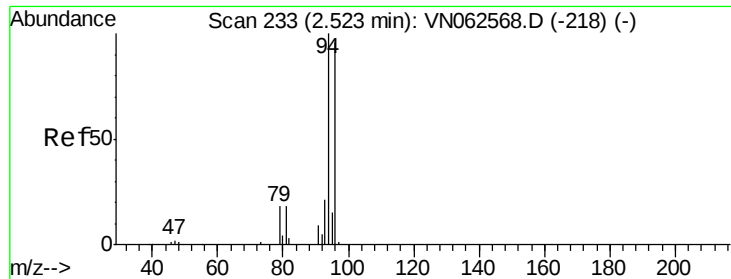
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

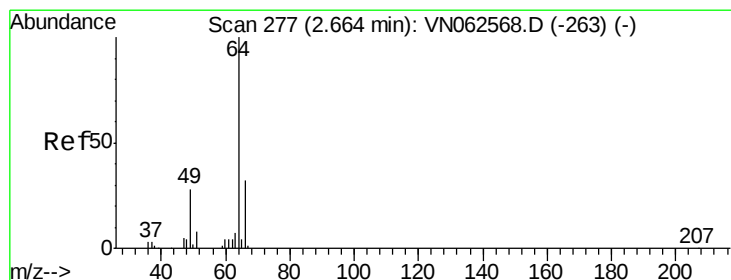
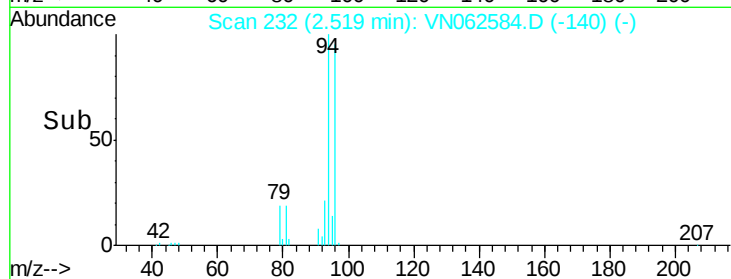
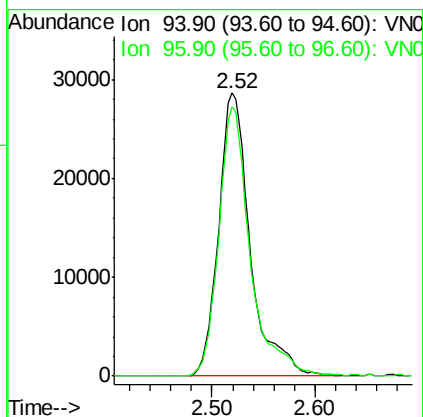
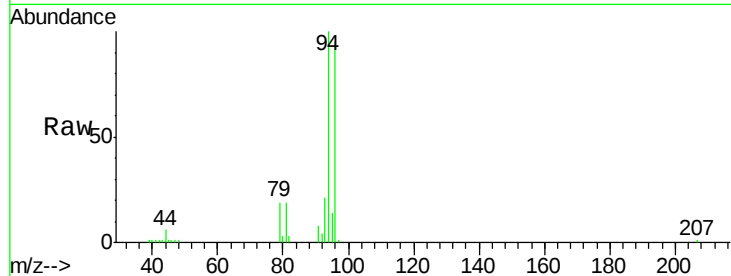




#5
 Bromomethane
 Concen: 50.124 ug/l
 RT: 2.52 min Scan# 232
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

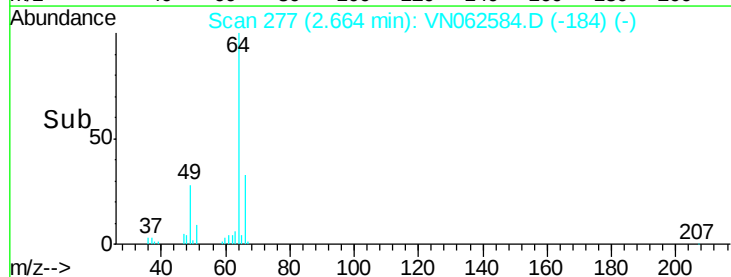
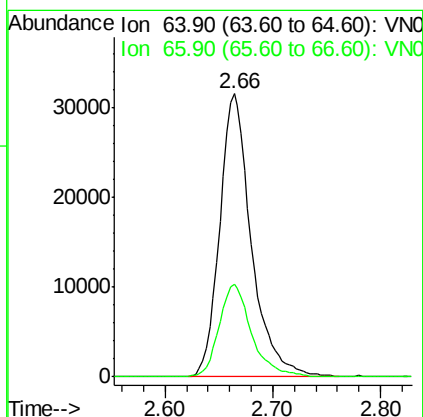
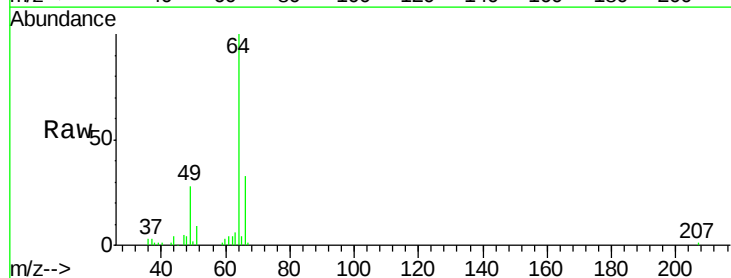
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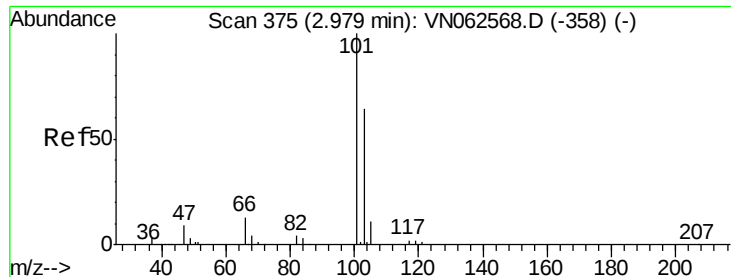
Tot Ion: 94 Resp: 61373
 Ion Ratio Lower Upper
 94 100
 96 95.3 76.6 114.8



#6
 Chloroethane
 Concen: 51.341 ug/l
 RT: 2.66 min Scan# 277
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 64 Resp: 64201
 Ion Ratio Lower Upper
 64 100
 66 32.9 25.8 38.8



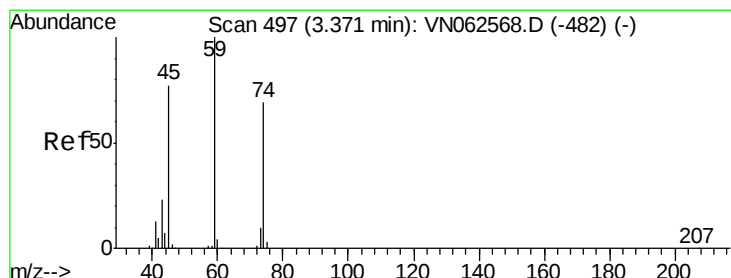
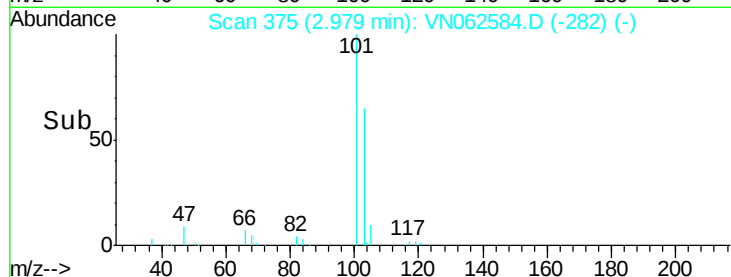
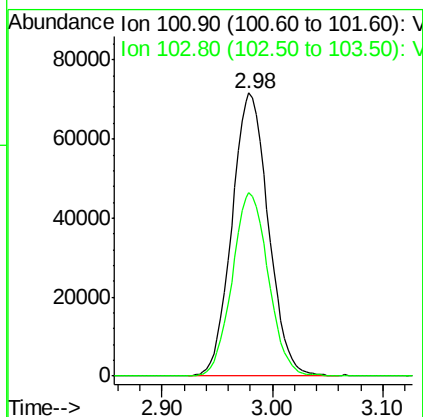
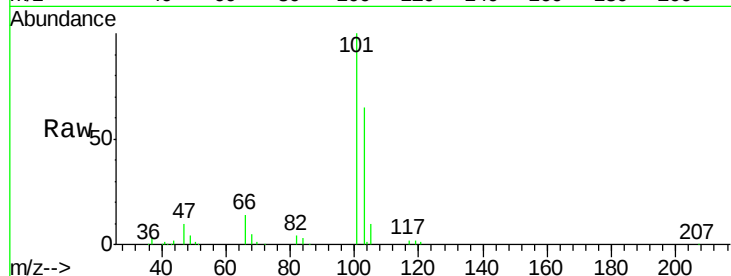


#7

Trichlorofluoromethane
 Concen: 50.566 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062584.D
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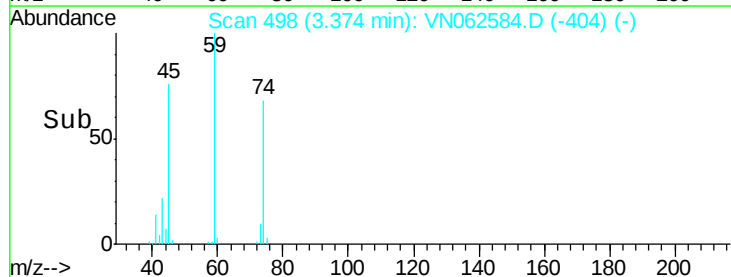
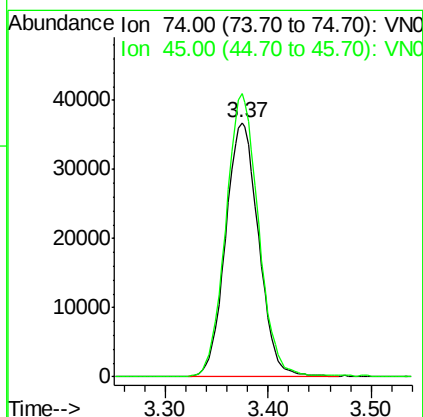
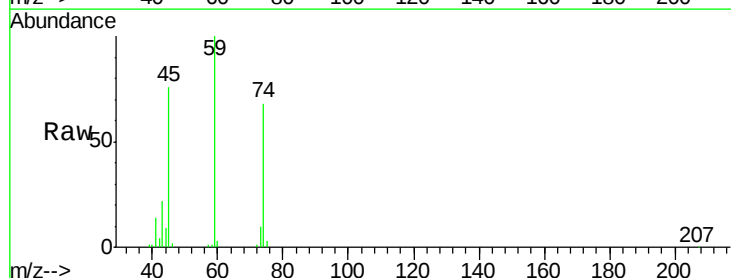
Tot Ion:101 Resp: 164125
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.5 77.3

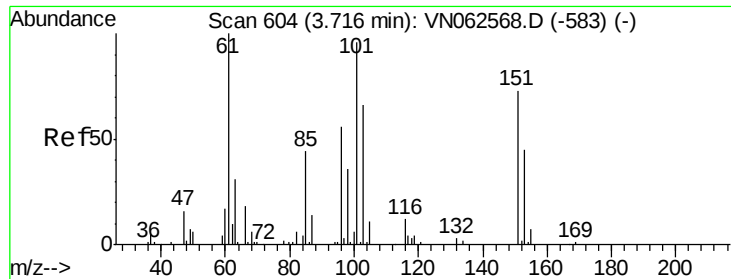


#8

Diethyl Ether
 Concen: 54.100 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 74 Resp: 82115
 Ion Ratio Lower Upper
 74 100
 45 110.2 55.3 165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.672 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

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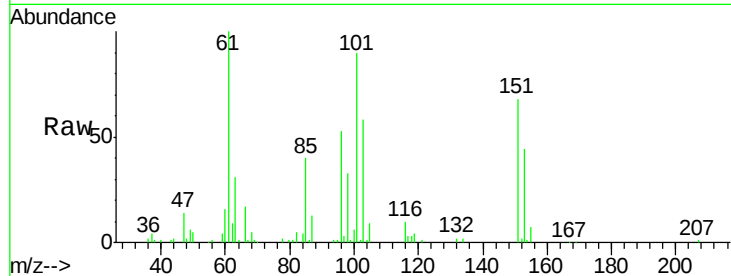
Tot Ion:101 Resp: 103368

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

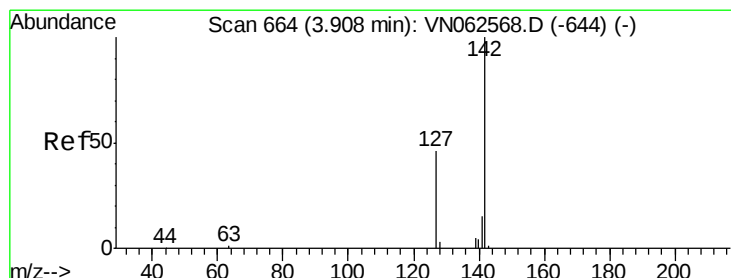
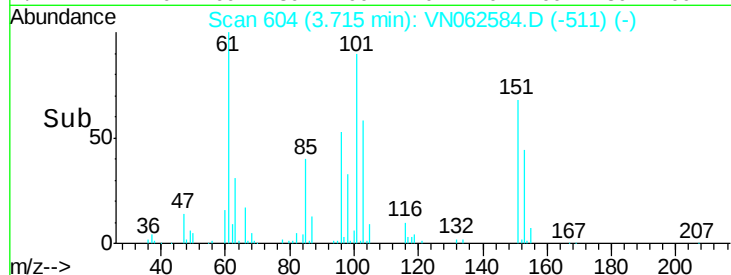
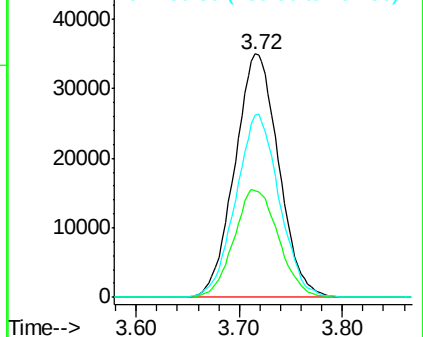
151 74.6 60.0 90.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.194 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

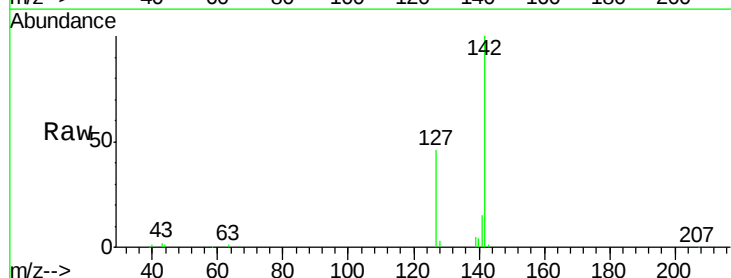
Tgt Ion:142 Resp: 146844

Ion Ratio Lower Upper

142 100

127 46.7 37.4 56.0

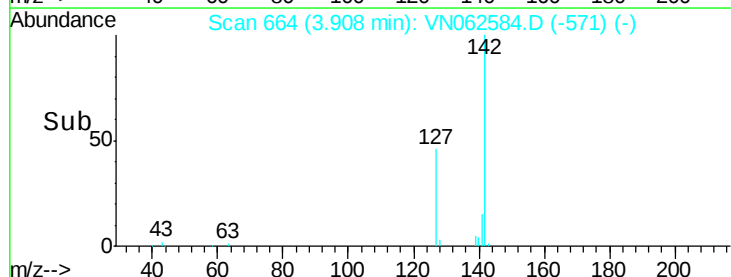
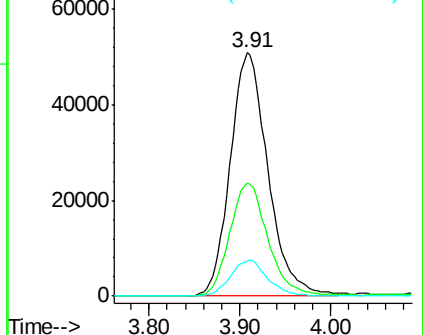
141 14.6 11.9 17.9

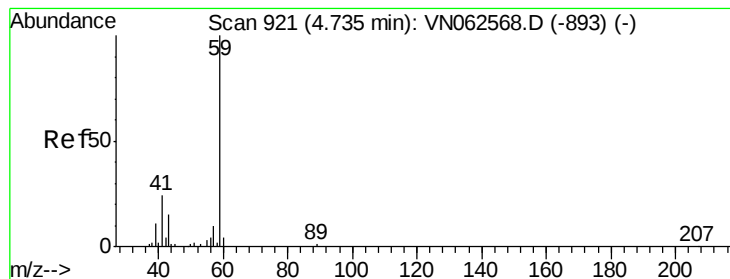


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



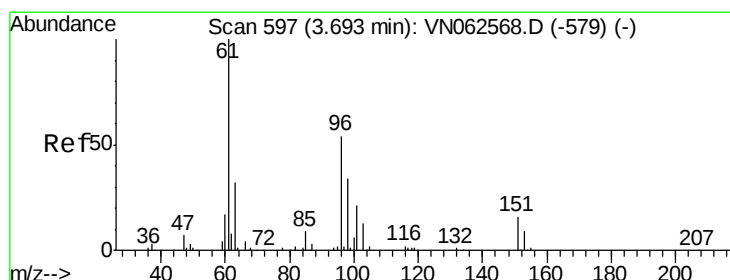
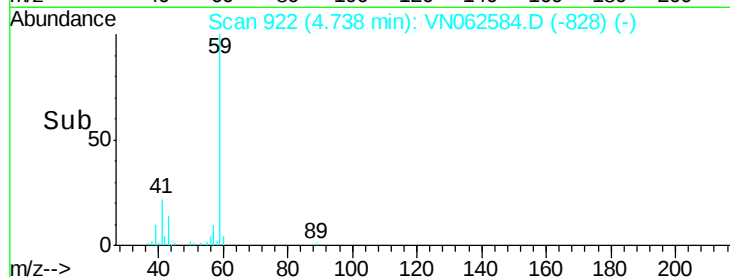
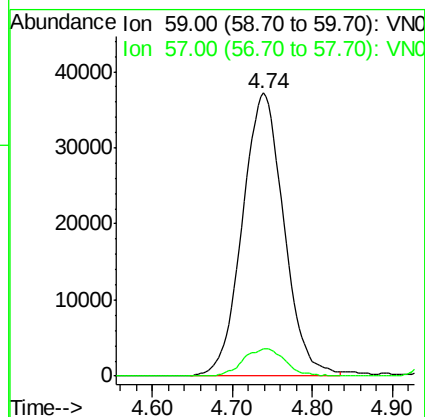
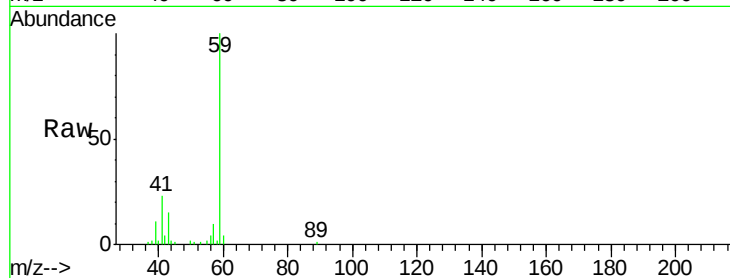


#11

Tert butyl alcohol
 Concen: 270.747 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

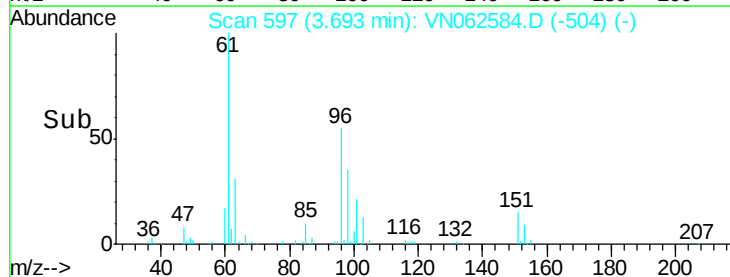
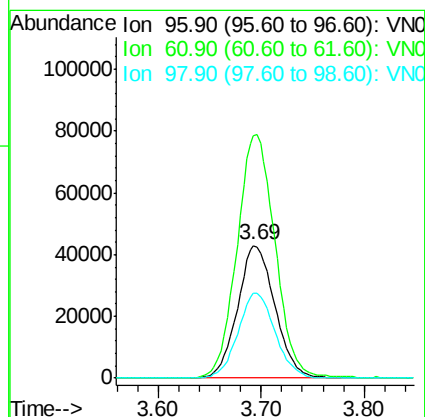
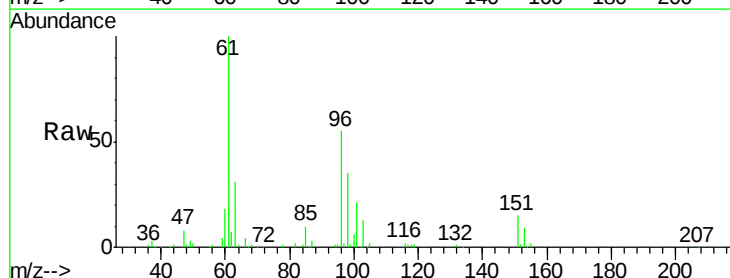
Tot Ion: 59 Resp: 131883
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.2

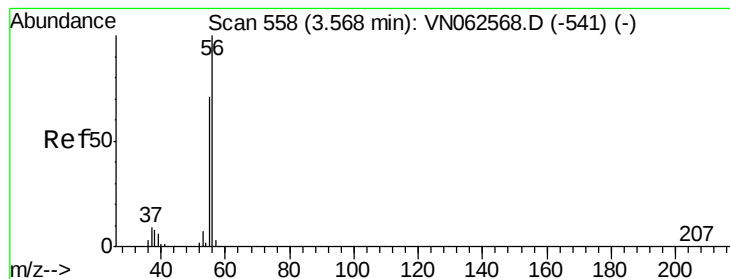


#12

1,1-Dichloroethene
 Concen: 51.303 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 96 Resp: 108278
 Ion Ratio Lower Upper
 96 100
 61 183.2 148.6 222.8
 98 64.5 50.6 75.8





#13

Acrolein

Concen: 250.261 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

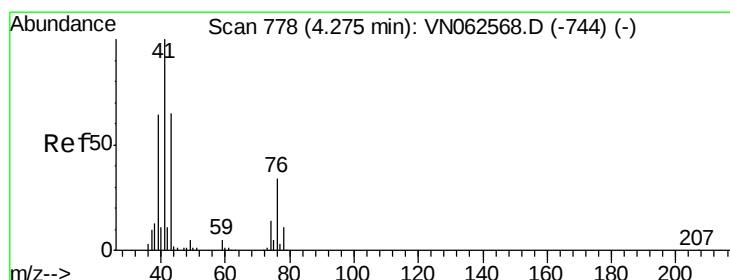
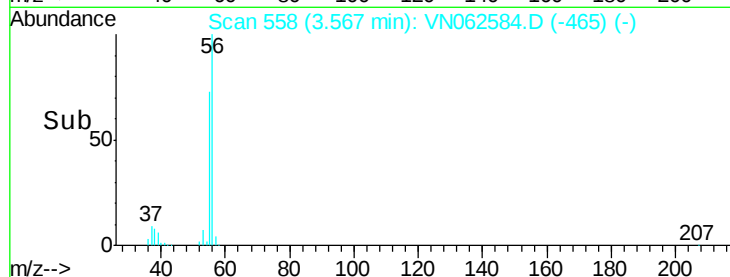
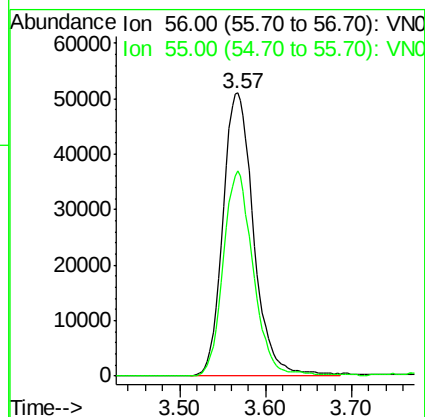
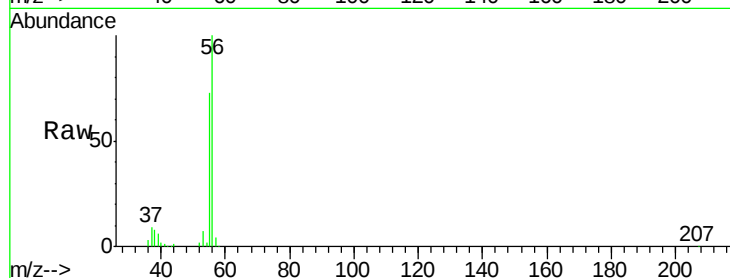
VSTDCCC050EC

Tot Ion: 56 Resp: 127133

Ion Ratio Lower Upper

56 100

55 69.6 57.0 85.4



#14

Allyl chloride

Concen: 53.174 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

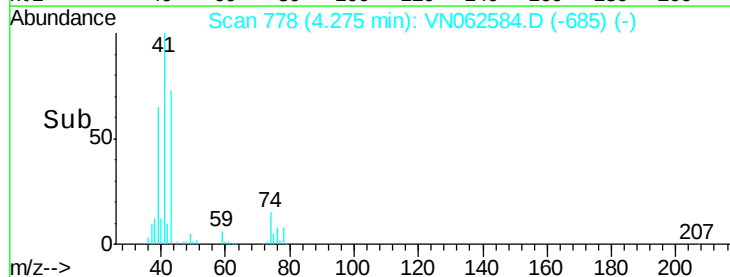
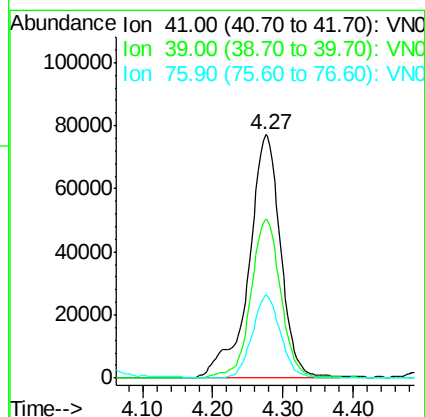
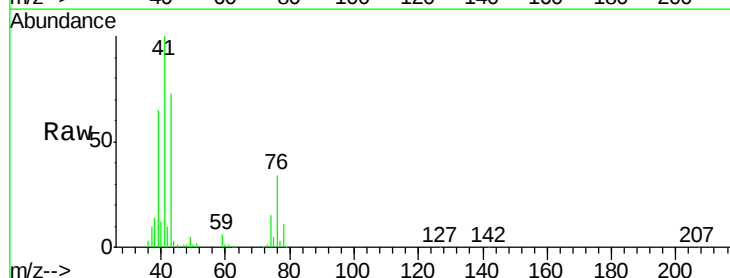
Tgt Ion: 41 Resp: 242758

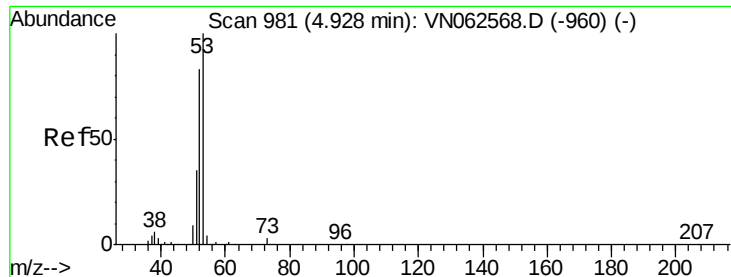
Ion Ratio Lower Upper

41 100

39 61.4 49.0 73.4

76 29.6 24.0 36.0





#15

Acrylonitrile

Concen: 287.101 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

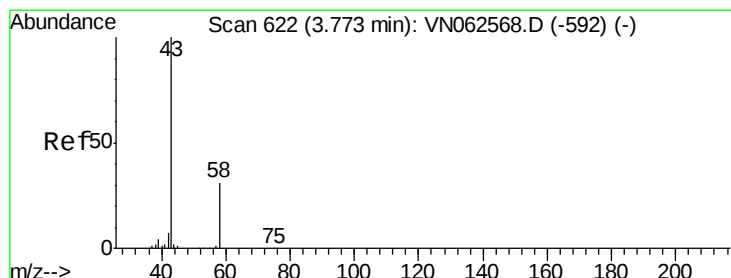
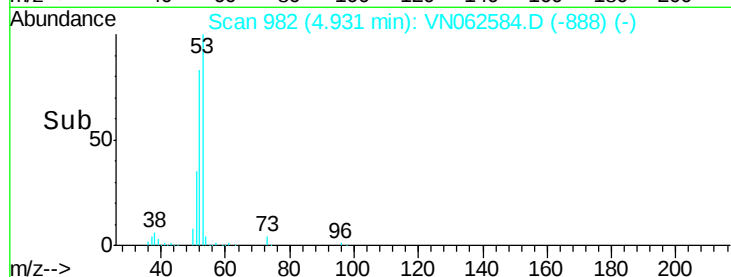
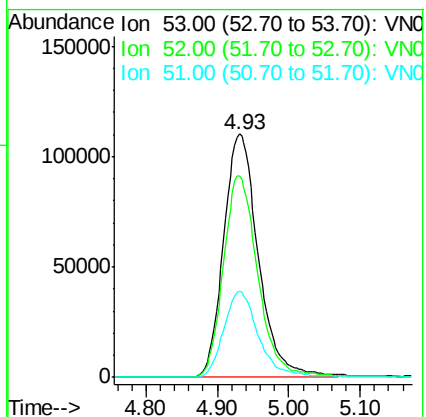
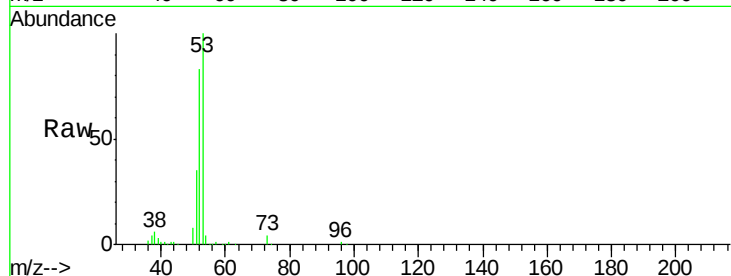
Tot Ion: 53 Resp: 374582

Ion Ratio Lower Upper

53 100

52 81.4 66.3 99.5

51 35.3 28.6 43.0



#16

Acetone

Concen: 263.918 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062584.D

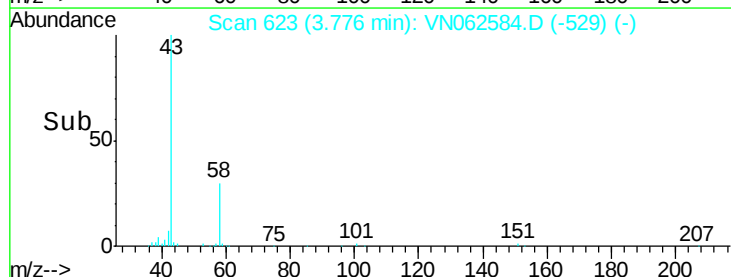
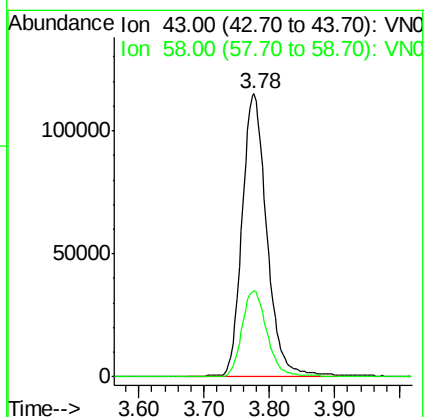
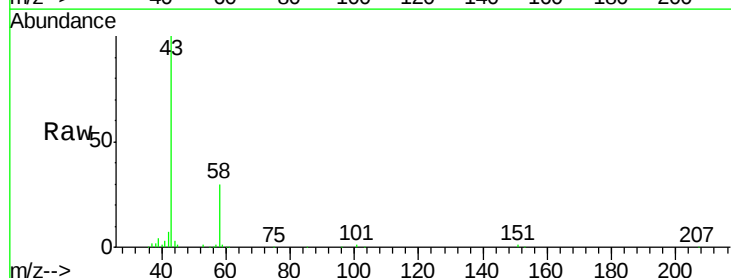
Acq: 21 Jul 2020 20:28

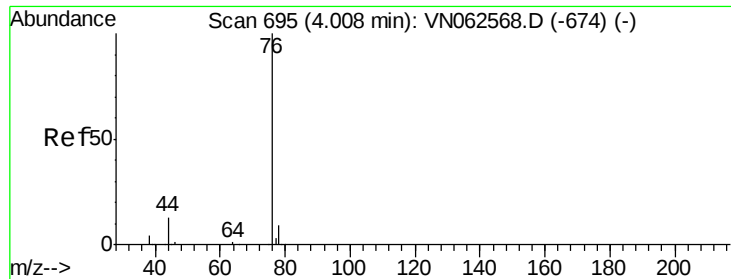
Tgt Ion: 43 Resp: 304103

Ion Ratio Lower Upper

43 100

58 30.5 24.6 37.0

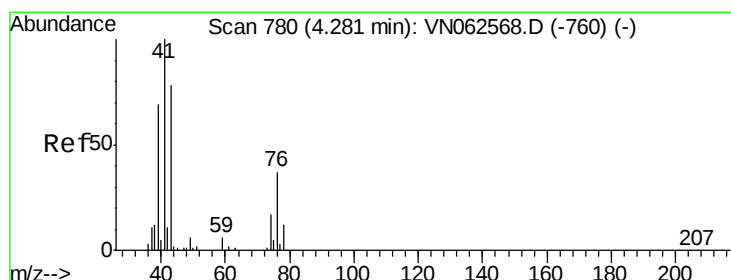
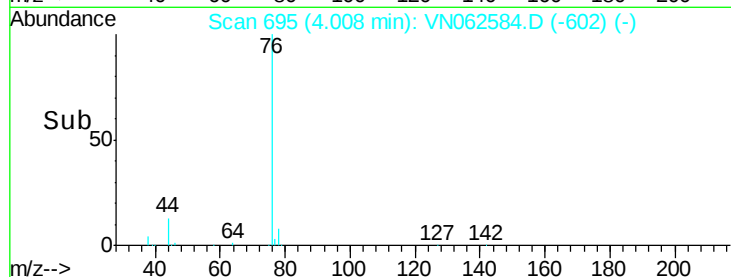
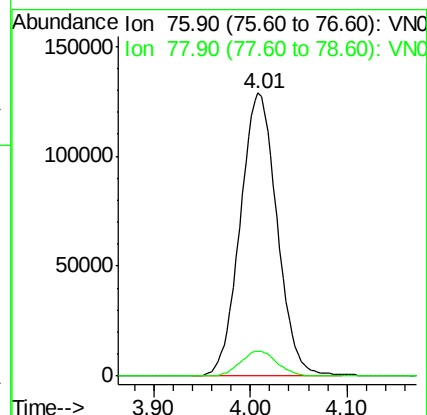
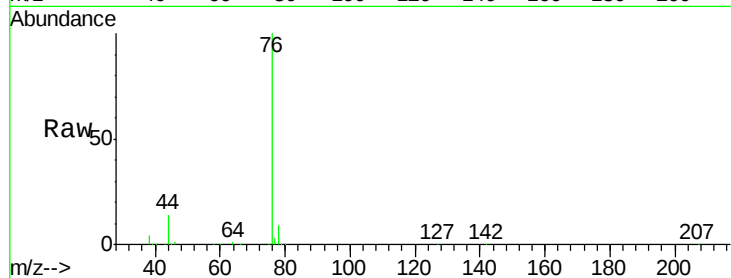




#17
Carbon Disulfide
Concen: 49.123 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

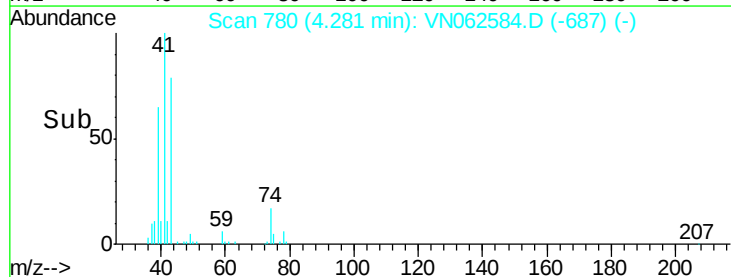
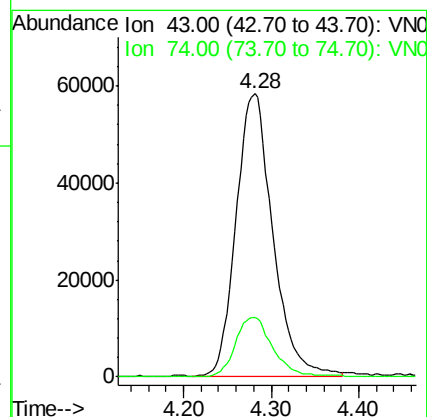
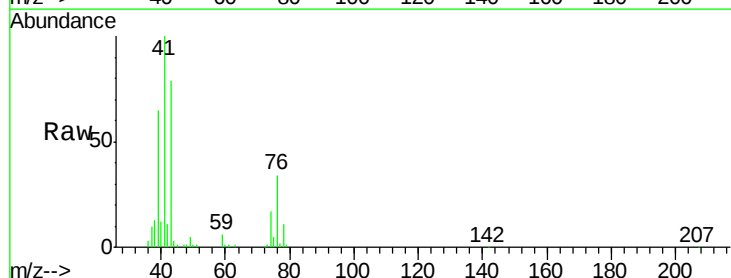
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

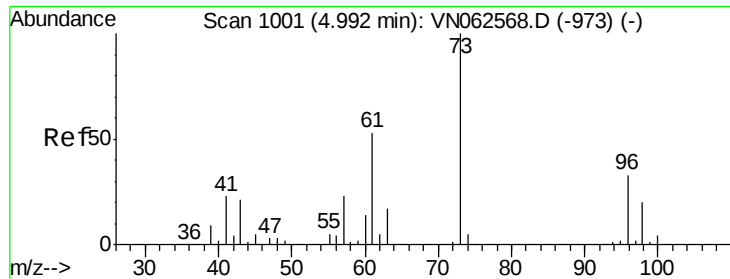
Tot Ion: 76 Resp: 340644
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 58.056 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 43 Resp: 169352
Ion Ratio Lower Upper
43 100
74 21.3 16.6 24.8

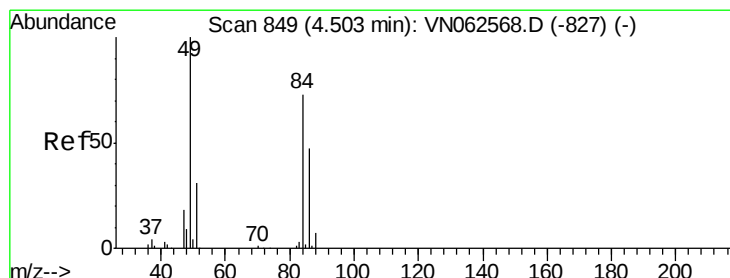
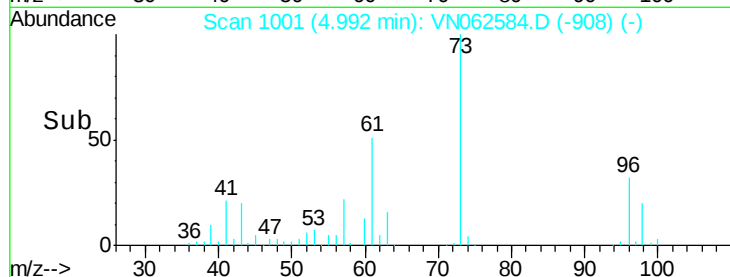
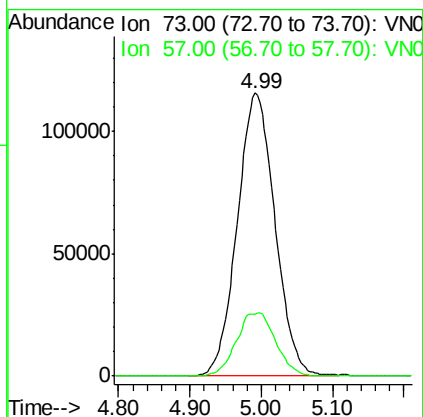
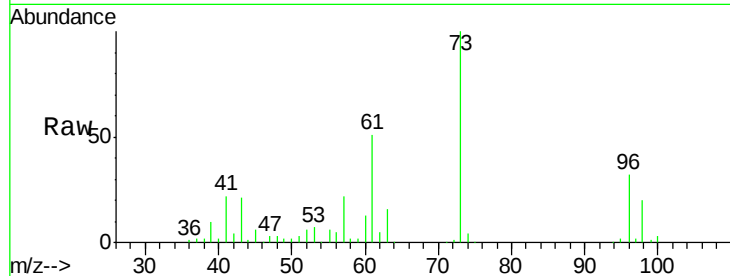




#19
Methvl tert-butvl Ether
Concen: 54.742 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

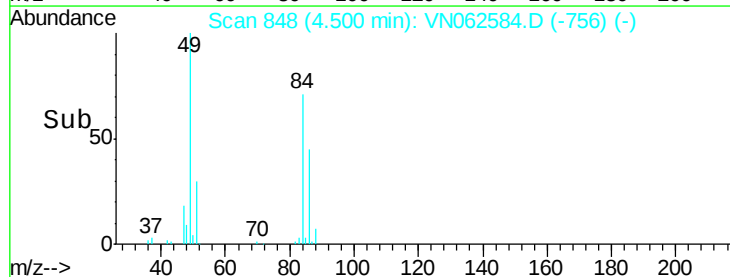
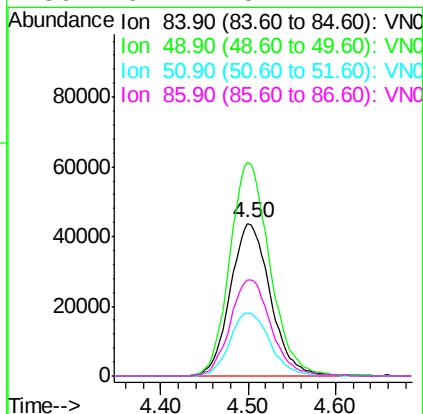
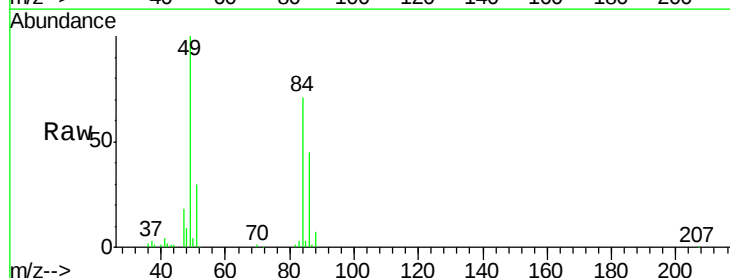
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

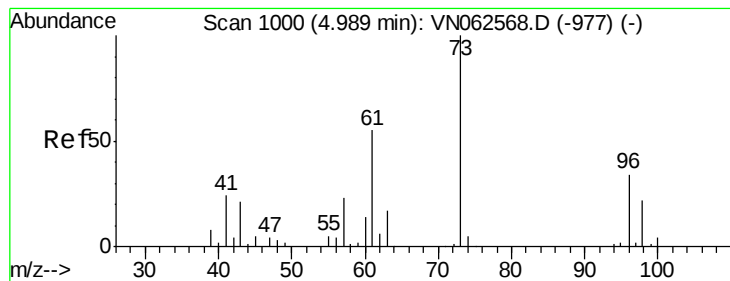
Tot Ion: 73 Resp: 425243
Ion Ratio Lower Upper
73 100
57 22.0 18.6 27.8



#20
Methylene Chloride
Concen: 50.209 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 84 Resp: 138758
Ion Ratio Lower Upper
84 100
49 140.0 109.4 164.0
51 41.5 33.6 50.4
86 62.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.843 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

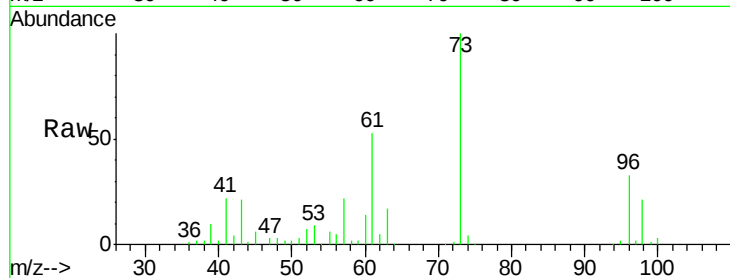
Tot Ion: 96 Resp: 121439

Ion Ratio Lower Upper

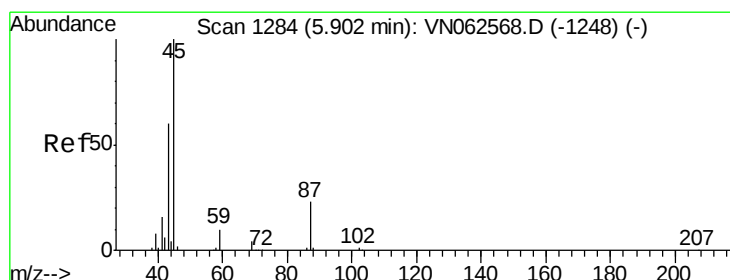
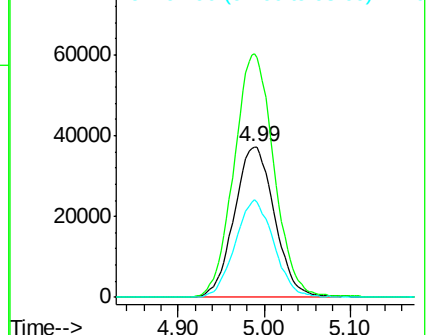
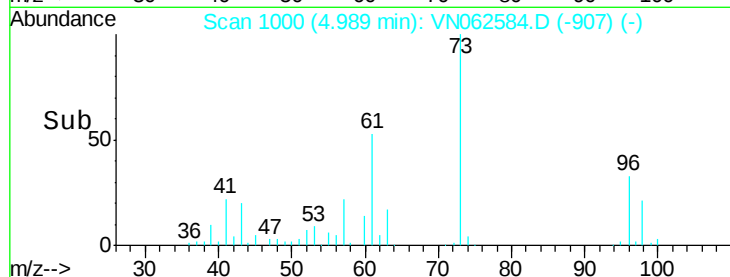
96 100

61 162.0 128.6 192.8

98 64.9 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN062568.D (-977) (-)



#22

Diisopropyl ether

Concen: 54.455 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Tgt Ion: 45 Resp: 494160

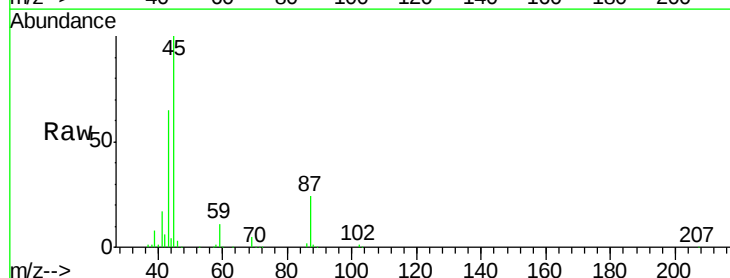
Ion Ratio Lower Upper

45 100

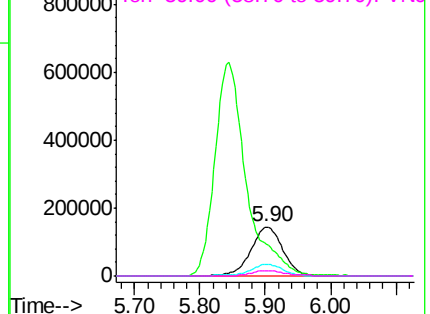
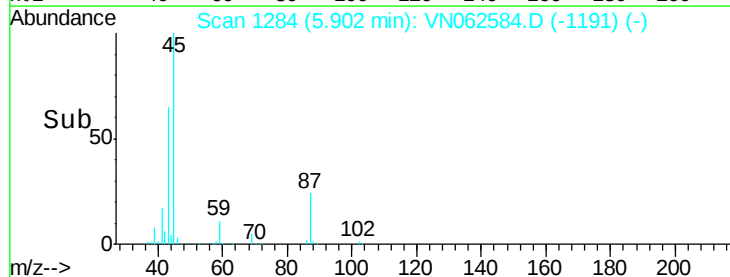
43 63.4 48.7 73.1

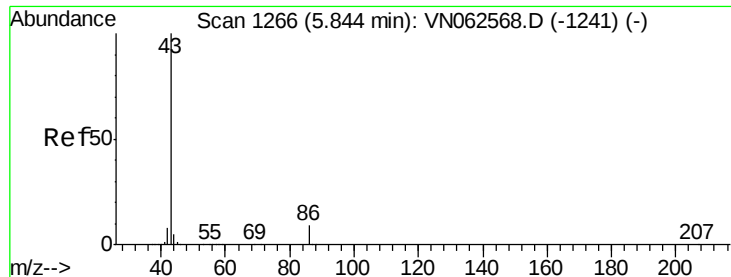
87 24.0 19.0 28.6

59 10.9 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN062568.D (-1248) (-)





#23

Vinyl Acetate

Concen: 283.054 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

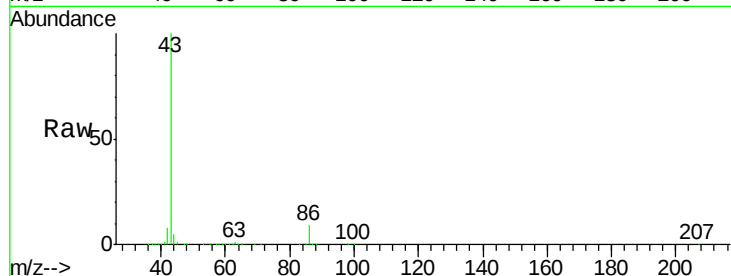
VSTDCCC050EC

Tot Ion: 43 Resp: 2104683

Ion Ratio Lower Upper

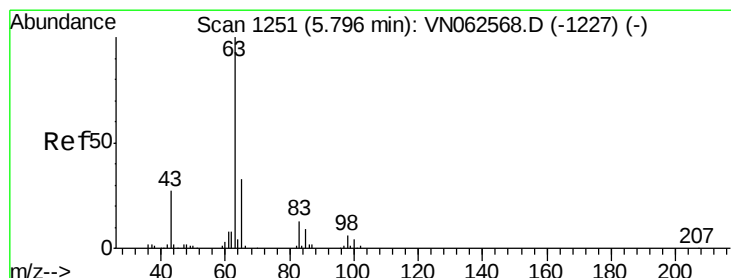
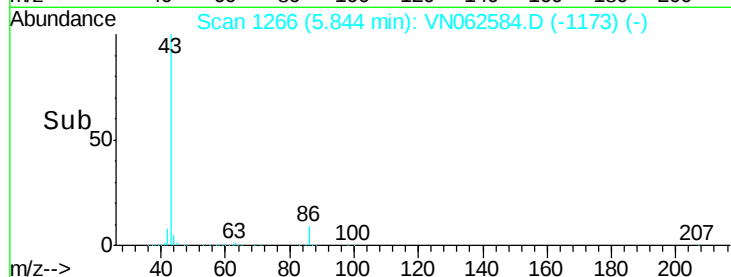
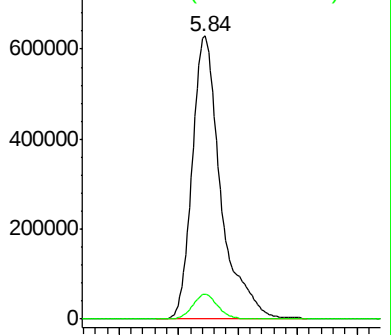
43 100

86 8.8 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.600 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

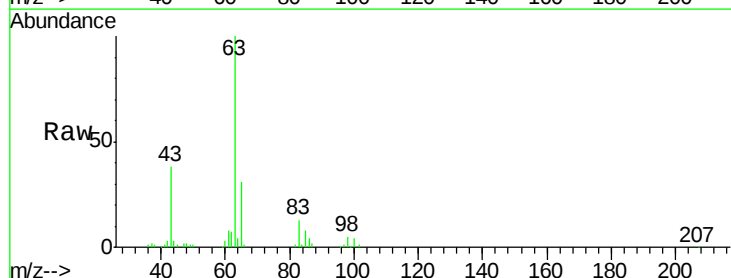
Tgt Ion: 63 Resp: 261927

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

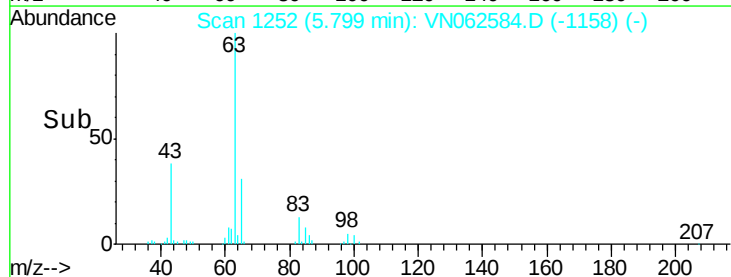
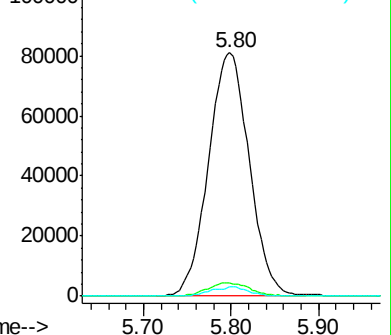
100 3.6 1.8 5.4

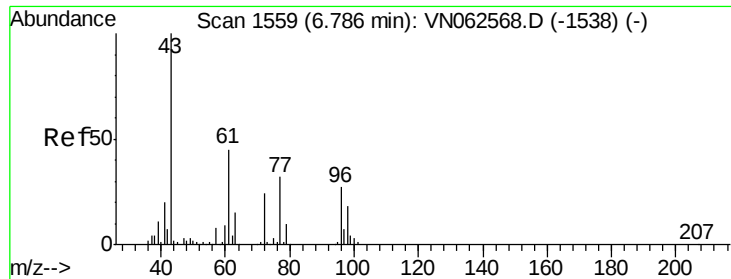


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 281.996 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

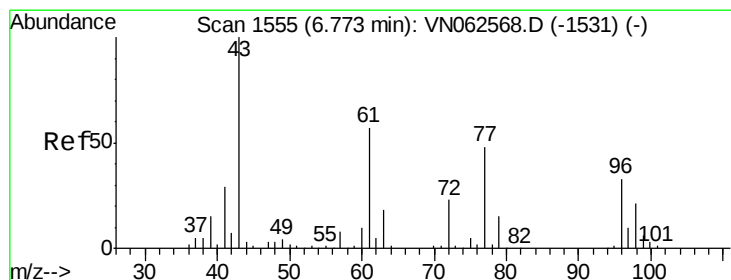
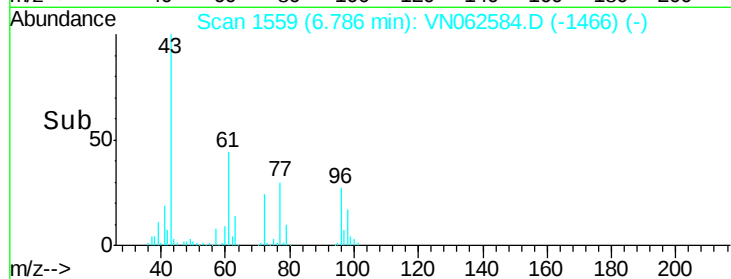
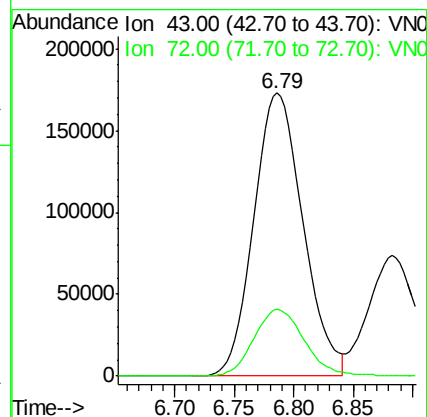
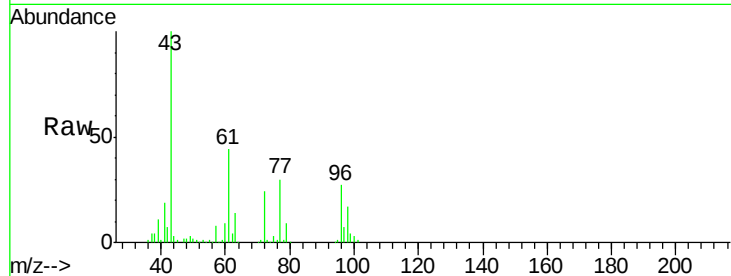
VSTDCCC050EC

Tot Ion: 43 Resp: 494864

Ion Ratio Lower Upper

43 100

72 23.8 19.0 28.6



#26

2,2-Dichloropropane

Concen: 47.420 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062584.D

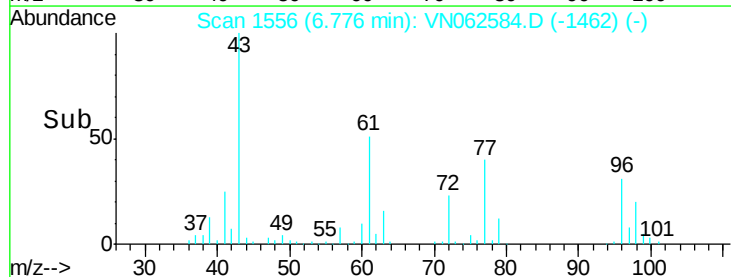
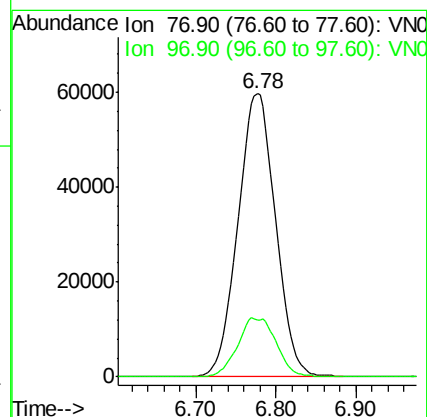
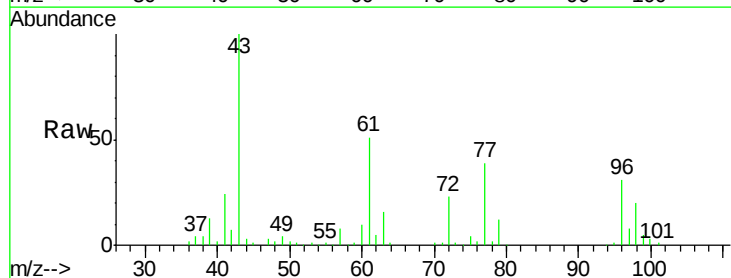
Acq: 21 Jul 2020 20:28

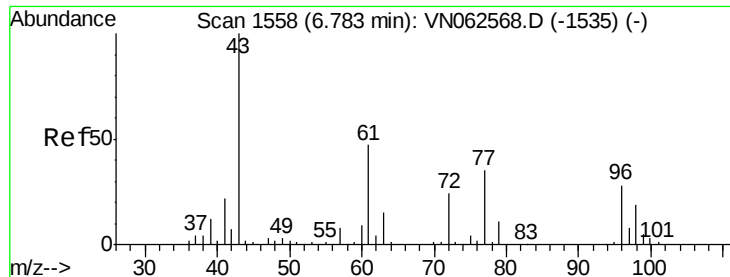
Tgt Ion: 77 Resp: 190228

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.4

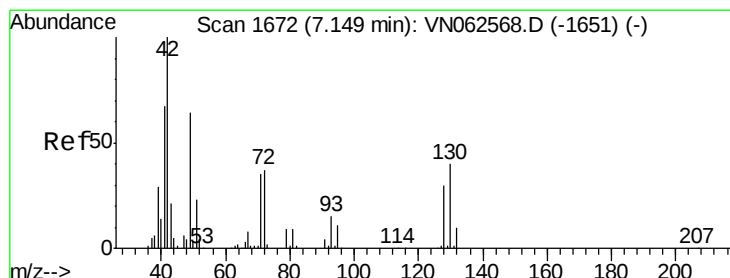
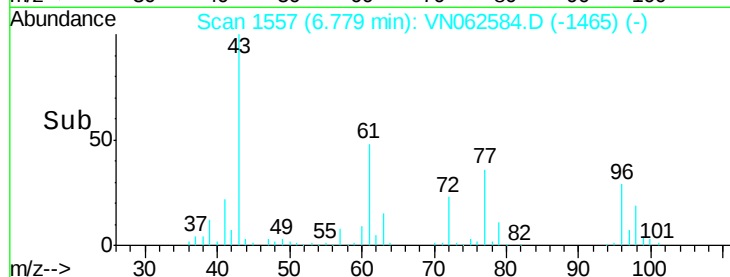
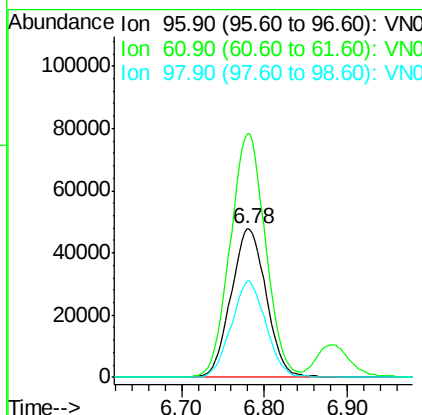
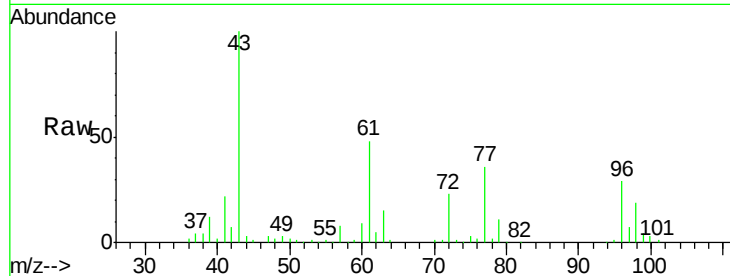




#27
 cis-1,2-Dichloroethene
 Concen: 52.733 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

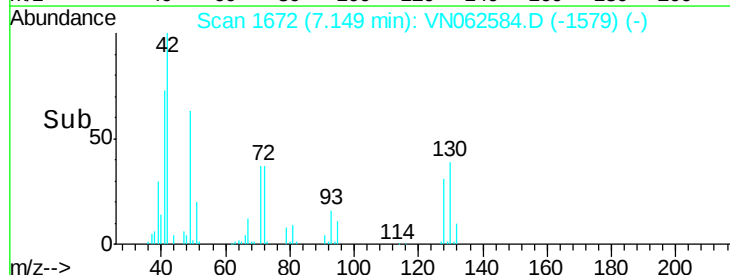
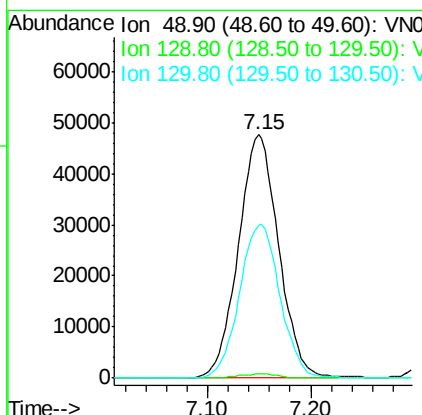
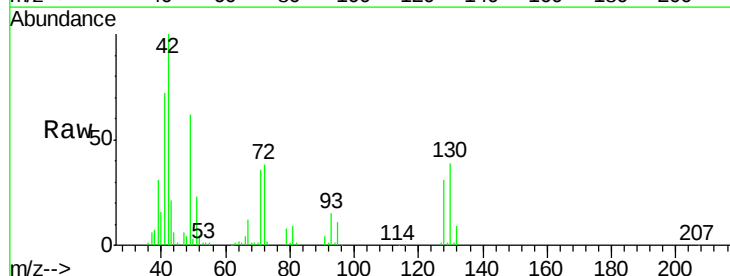
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

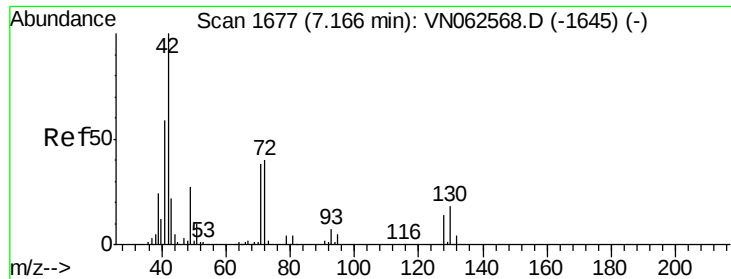
Tot Ion: 96 Resp: 140952
 Ion Ratio Lower Upper
 96 100
 61 164.4 0.0 332.4
 98 63.7 0.0 127.4



#28
 Bromochloromethane
 Concen: 53.761 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 49 Resp: 129289
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.4
 130 63.4 49.8 74.8

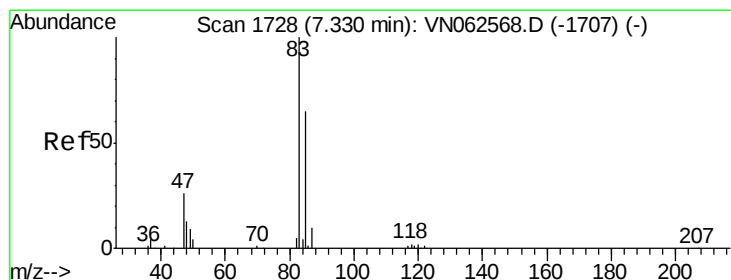
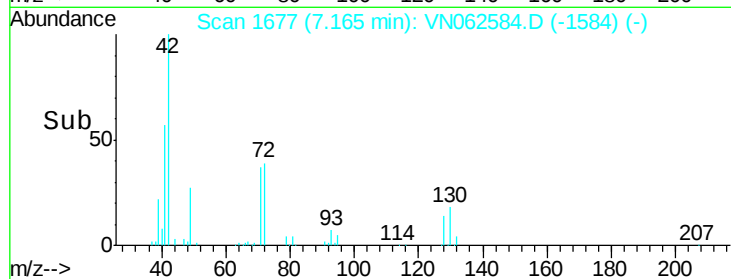
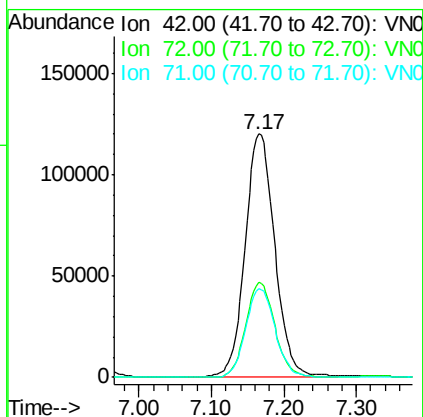
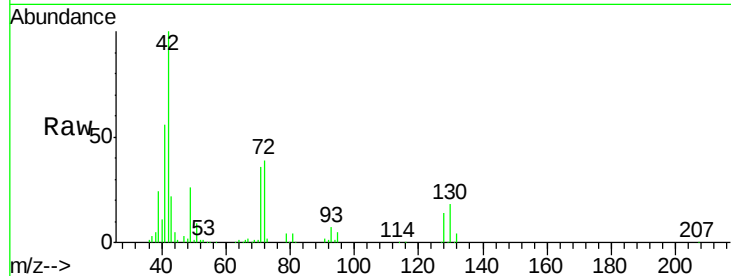




#29
Tetrahydrofuran
Concen: 289.471 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

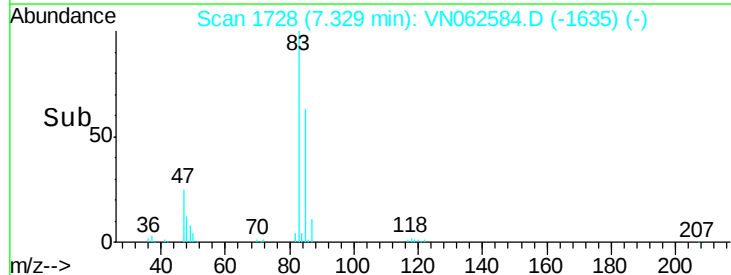
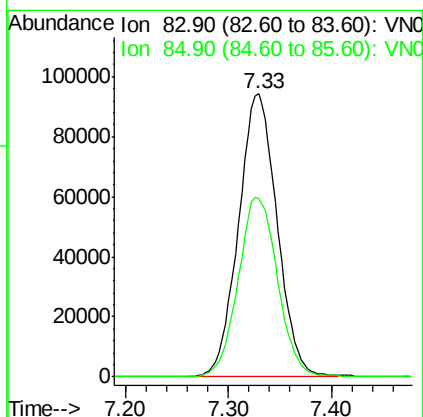
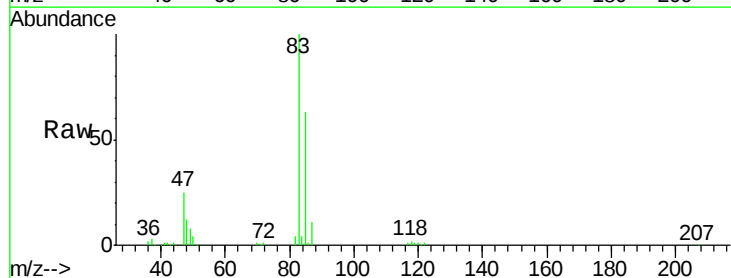
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

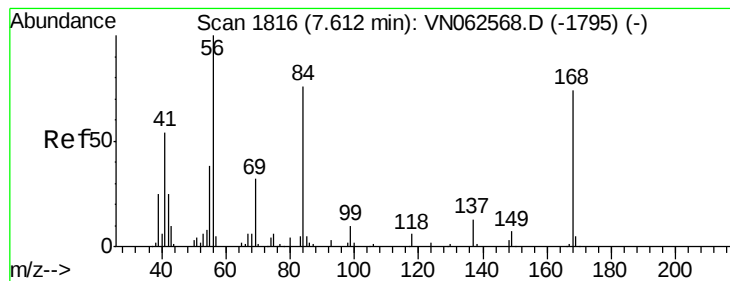
Tot Ion: 42 Resp: 343729
Ion Ratio Lower Upper
42 100
72 38.1 30.7 46.1
71 36.1 29.1 43.7



#30
Chloroform
Concen: 52.783 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 83 Resp: 245242
Ion Ratio Lower Upper
83 100
85 63.0 52.0 78.0





#31

Cyclohexane

Concen: 47.780 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

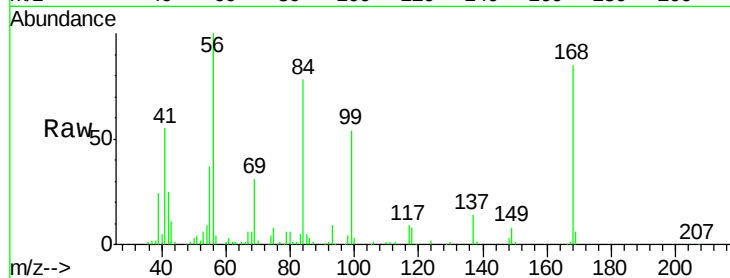
Tot Ion: 56 Resp: 215576

Ion Ratio Lower Upper

56 100

69 31.3 25.3 37.9

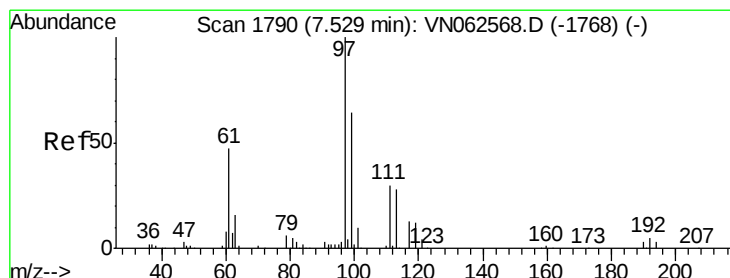
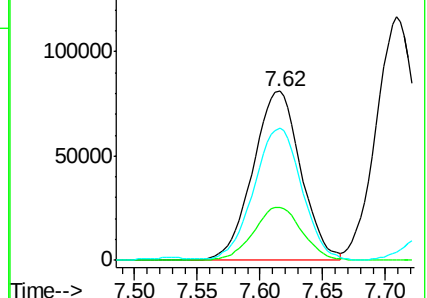
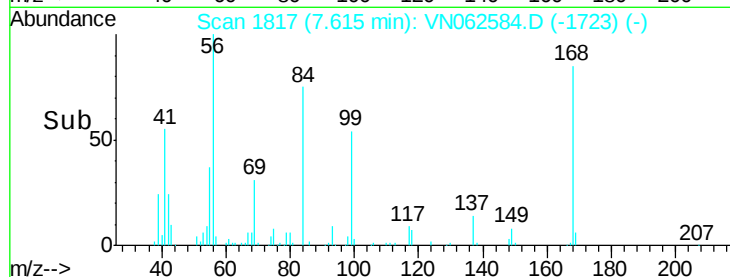
84 77.2 61.0 91.4



Abundance Ion 56.00 (55.70 to 56.70): VN062568.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062568.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062568.D (-1795) (-)



#32

1,1,1-Trichloroethane

Concen: 52.894 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

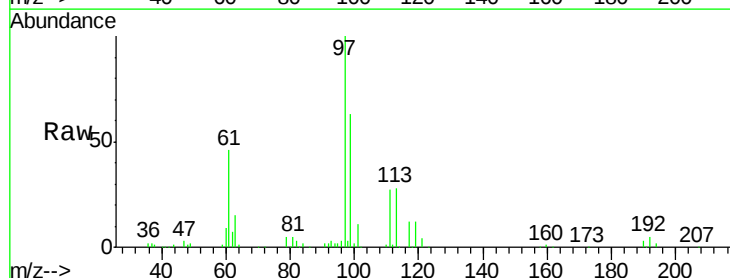
Tgt Ion: 97 Resp: 205186

Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

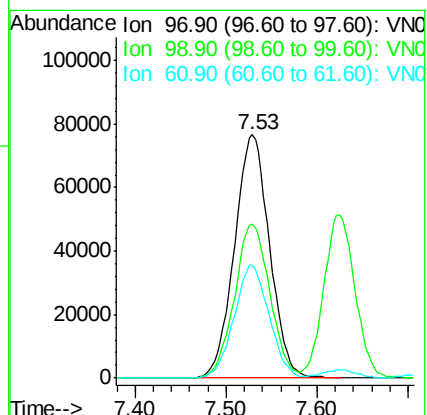
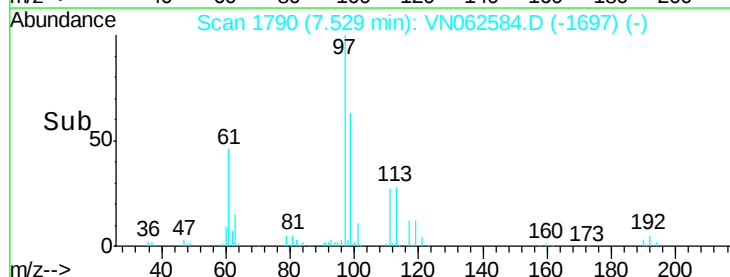
61 46.3 38.4 57.6

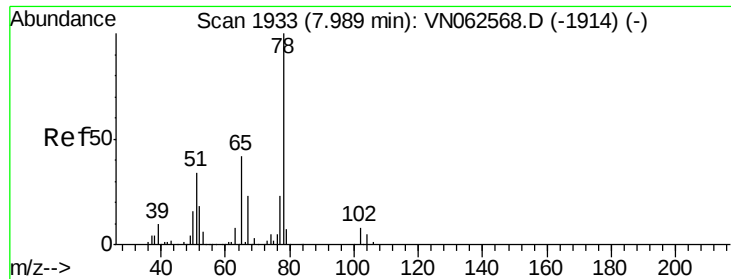


Abundance Ion 96.90 (96.60 to 97.60): VN062568.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN062568.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN062568.D (-1768) (-)

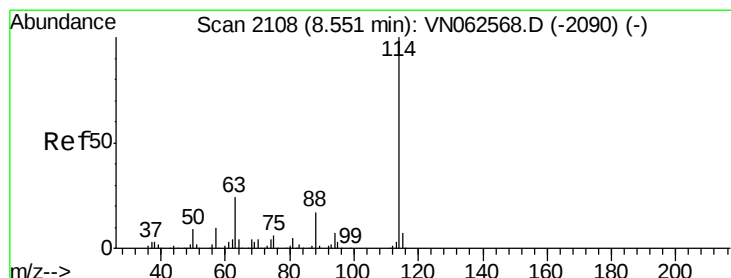
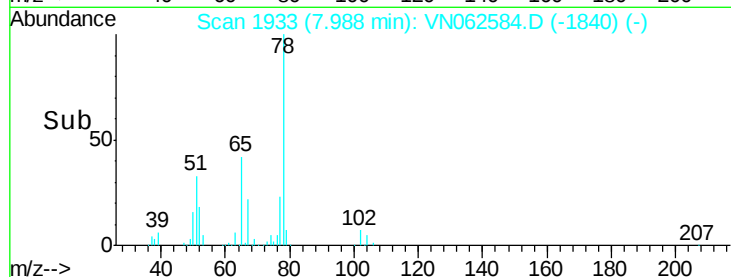
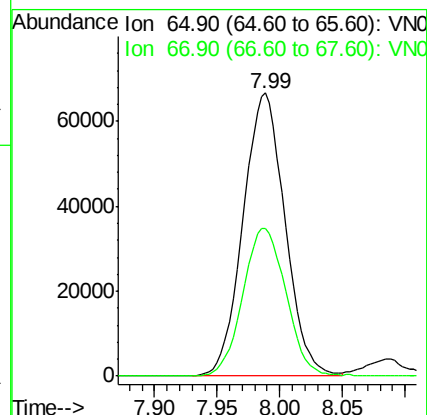
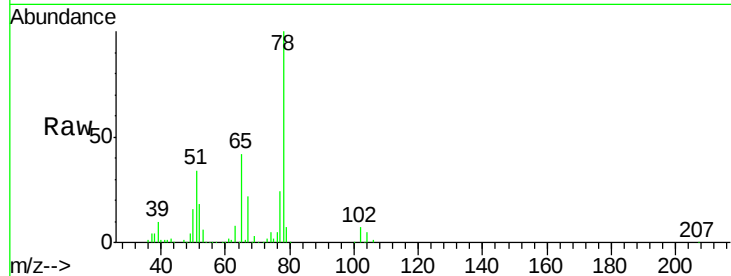




#33
 1,2-Dichloroethane-d4
 Concen: 50.731 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

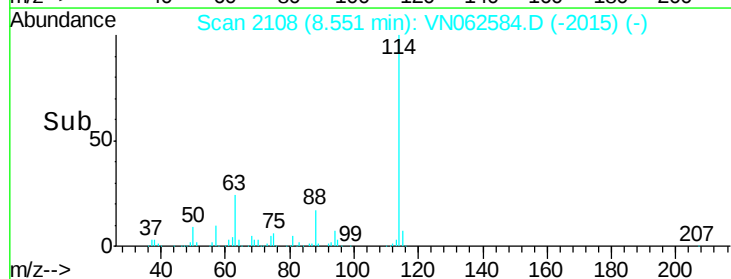
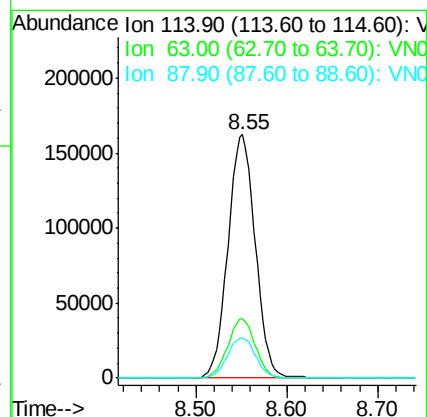
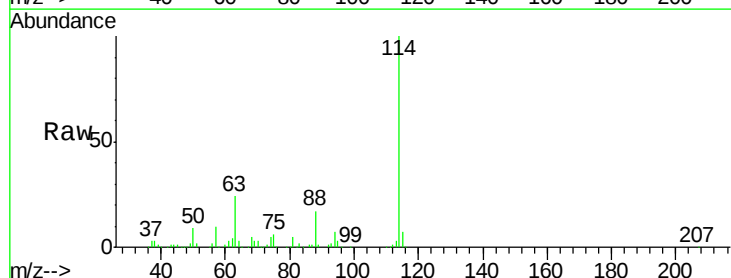
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

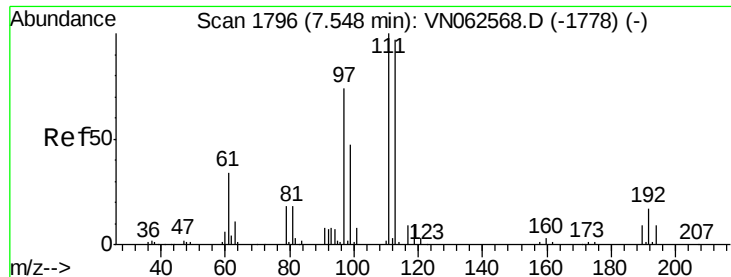
Tot Ion: 65 Resp: 155338
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 114 Resp: 338583
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.4
 88 16.6 0.0 33.8

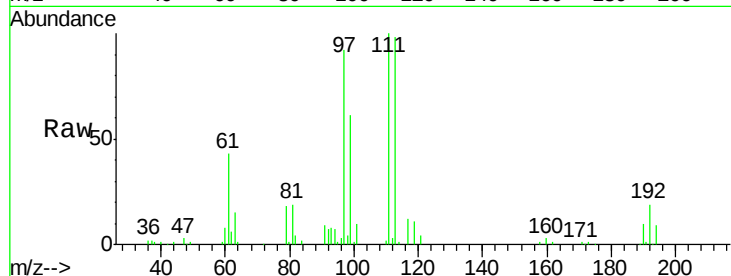




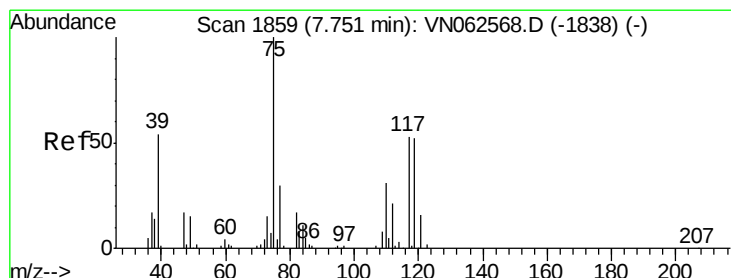
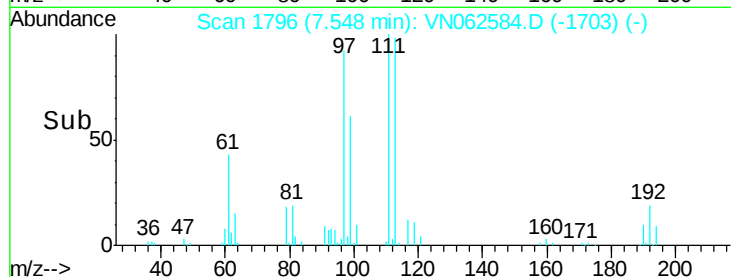
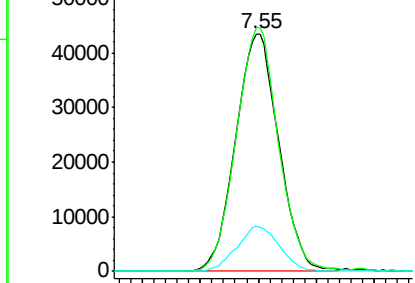
#35
 Dibromofluoromethane
 Concen: 50.459 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 112222
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.7 124.1
 192 18.6 14.8 22.2

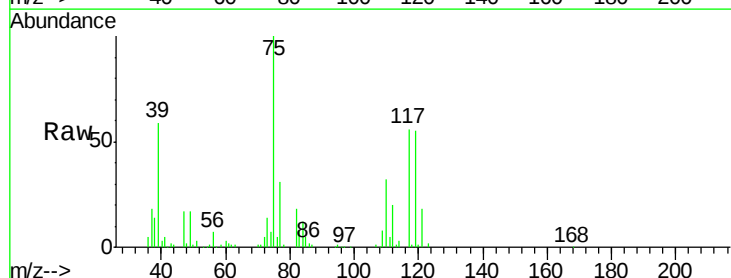


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

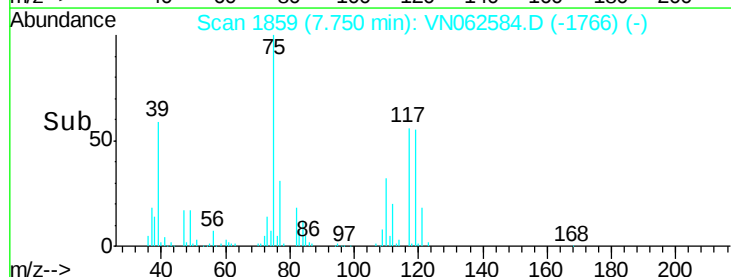
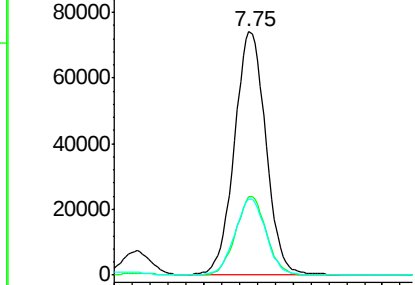


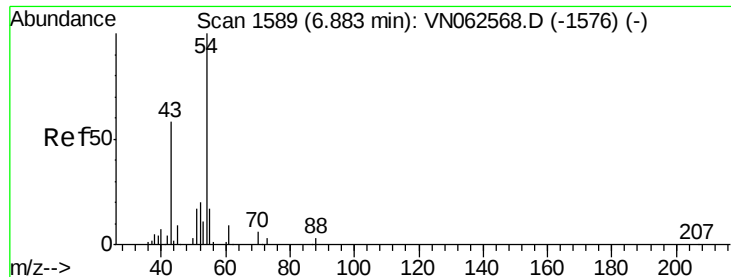
#36
 1,1-Dichloropropene
 Concen: 50.077 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 75 Resp: 180724
 Ion Ratio Lower Upper
 75 100
 110 31.6 16.0 48.0
 77 31.3 24.6 36.8



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

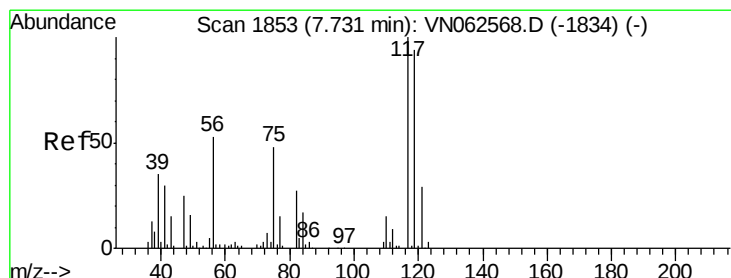
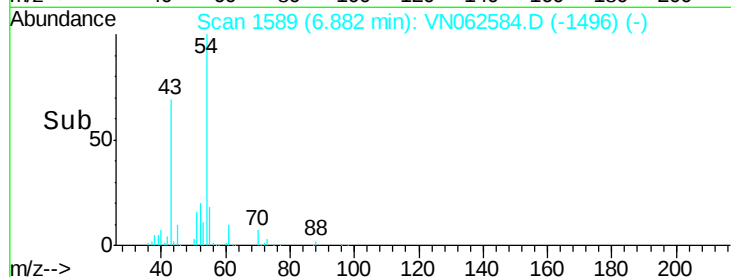
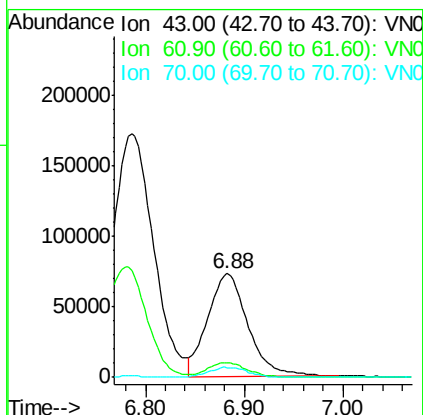
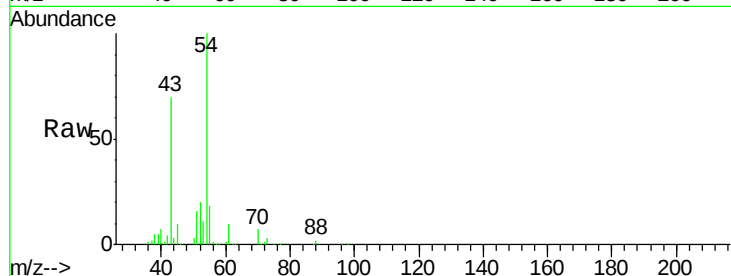




#37
Ethyl Acetate
Concen: 53.506 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

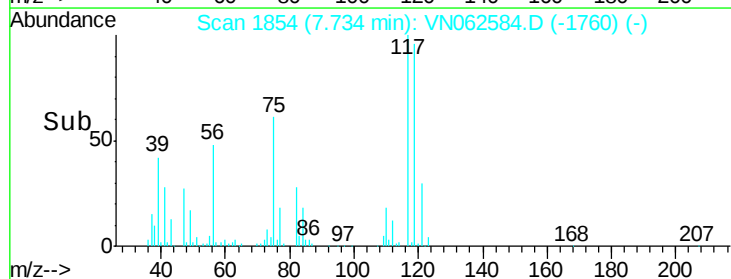
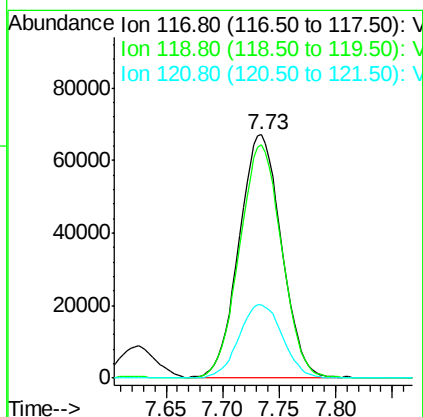
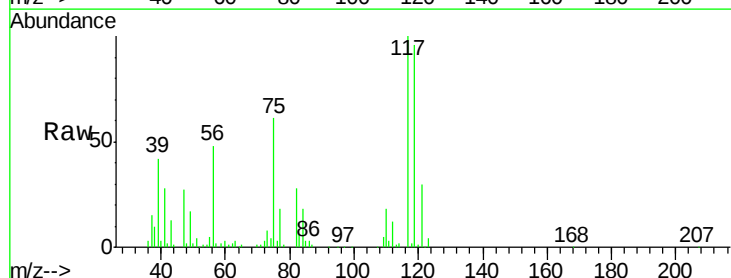
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

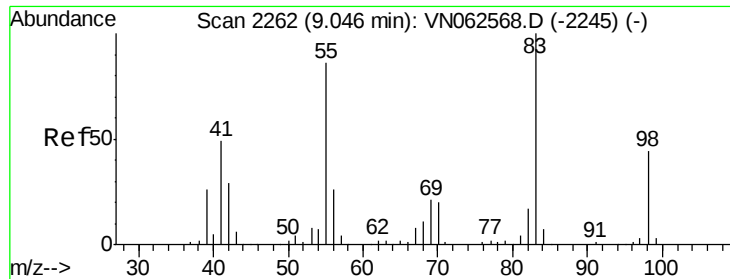
Tot Ion: 43 Resp: 208153
Ion Ratio Lower Upper
43 100
61 13.9 11.3 16.9
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 50.099 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 117 Resp: 173794
Ion Ratio Lower Upper
117 100
119 96.0 74.8 112.2
121 30.0 23.0 34.6

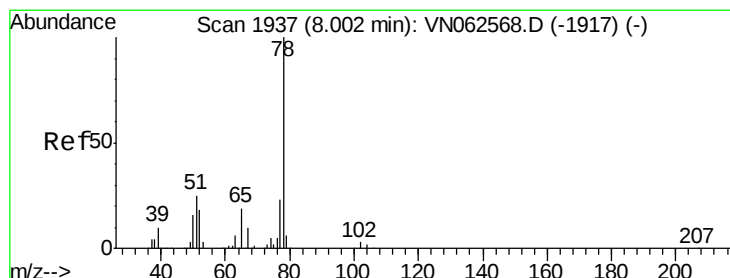
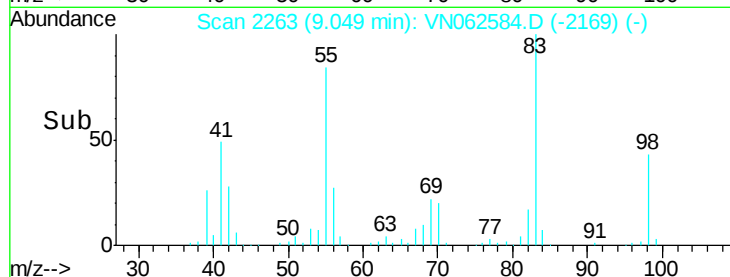
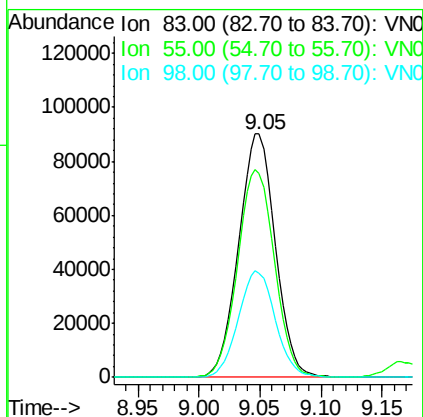
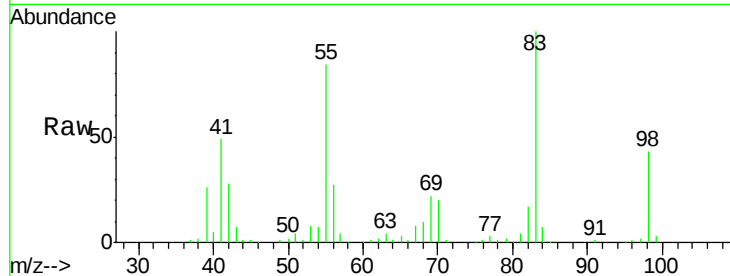




#39
Methvlcvclohexane
Concen: 48.152 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

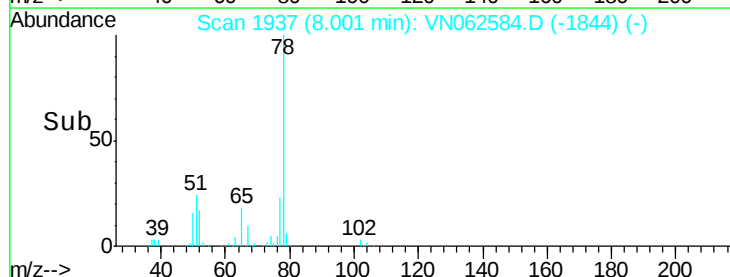
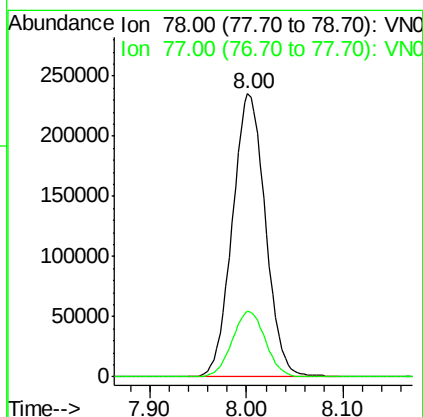
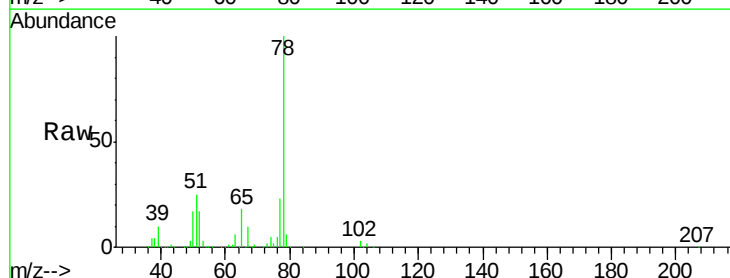
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

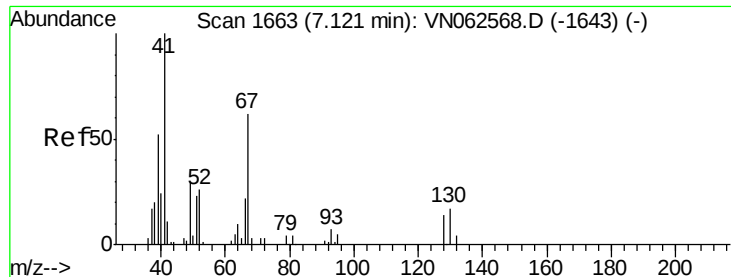
Tot Ion: 83 Resp: 187063
Ion Ratio Lower Upper
83 100
55 84.0 68.9 103.3
98 42.9 35.1 52.7



#40
Benzene
Concen: 51.036 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 78 Resp: 557618
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1

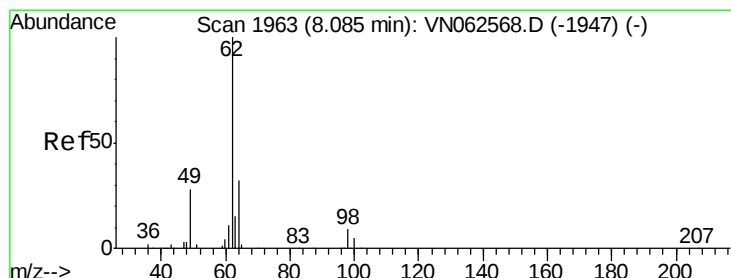
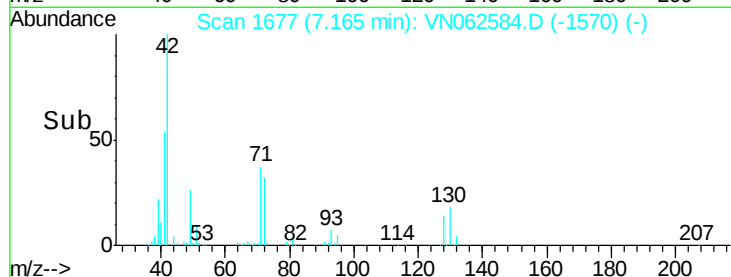
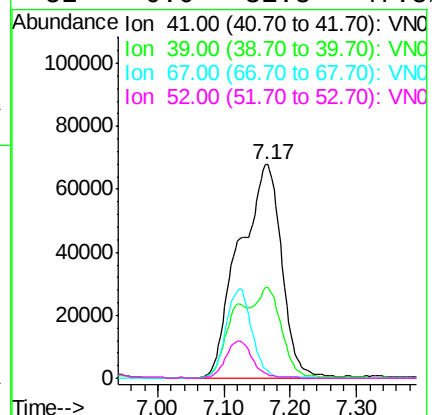
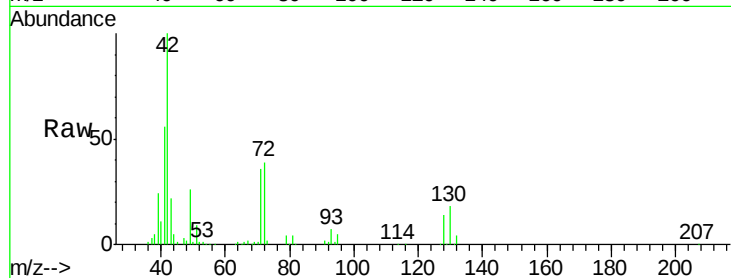




#41
Methacrylonitrile
Concen: 181.094 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.05 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

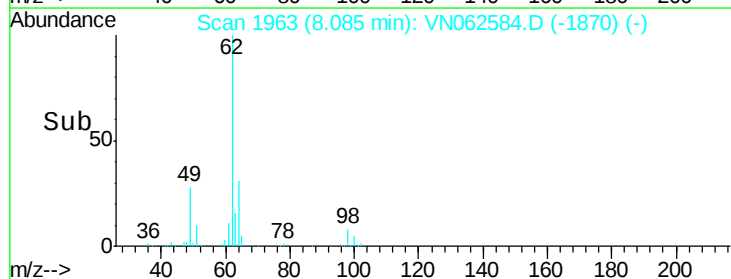
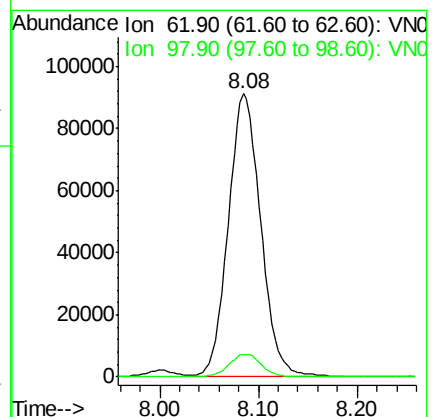
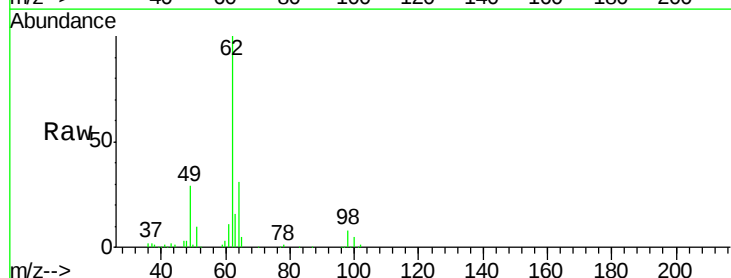
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

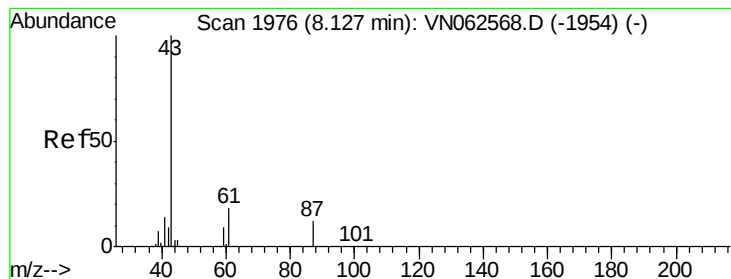
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	72.5	108.7#
52	0.0	31.8	47.8#



#42
1,2-Dichloroethane
Concen: 52.249 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 54.110 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

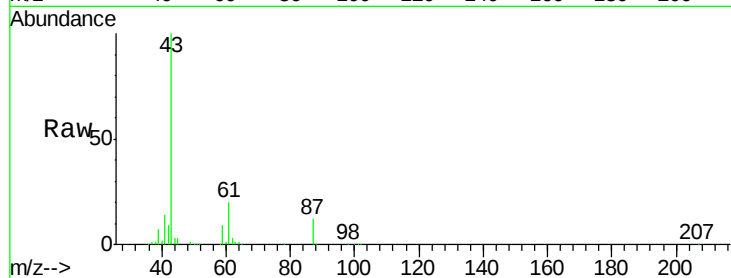
Tot Ion: 43 Resp: 339341

Ion Ratio Lower Upper

43 100

61 26.0 20.8 31.2

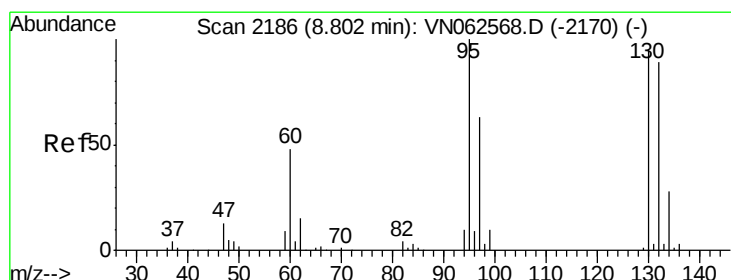
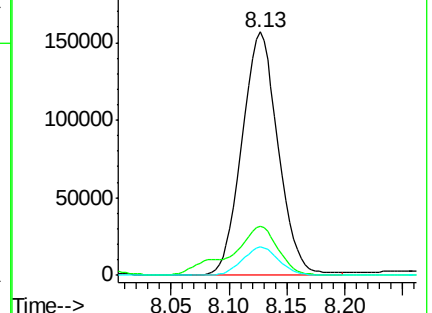
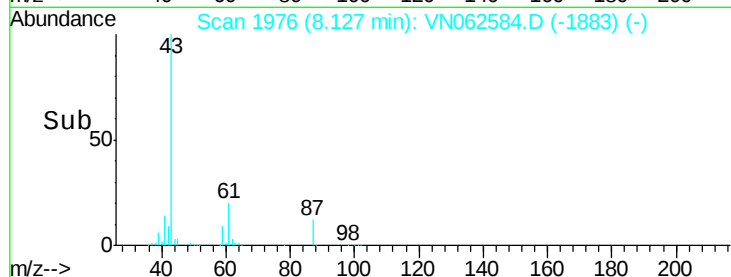
87 11.7 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062584.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062584.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062584.D (-1883) (-)



#44

Trichloroethene

Concen: 50.201 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062584.D

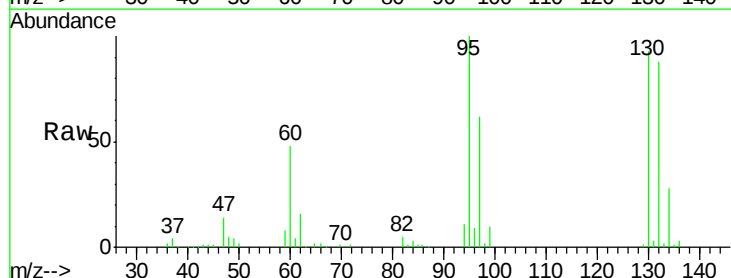
Acq: 21 Jul 2020 20:28

Tgt Ion: 130 Resp: 123692

Ion Ratio Lower Upper

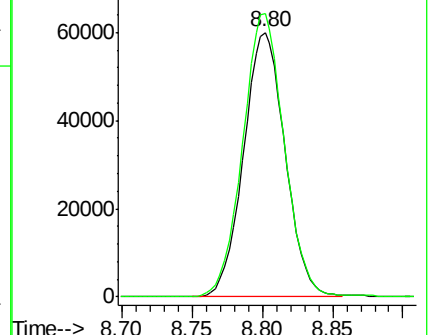
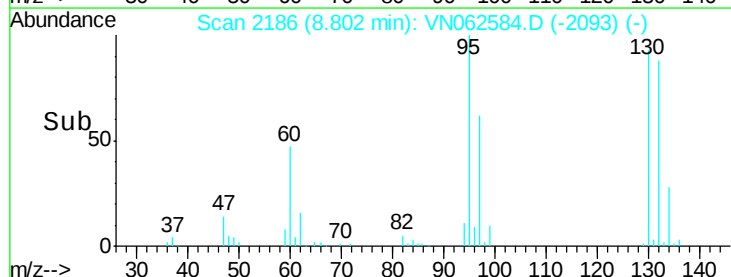
130 100

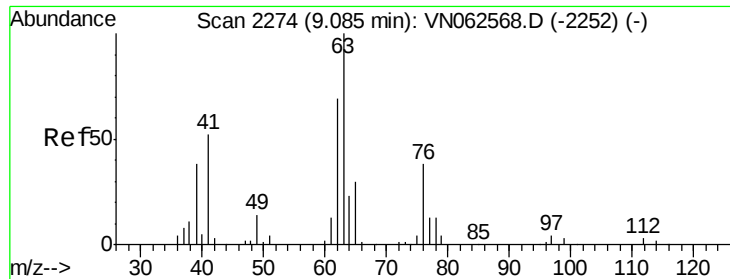
95 107.2 0.0 210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062584.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062584.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 52.546 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

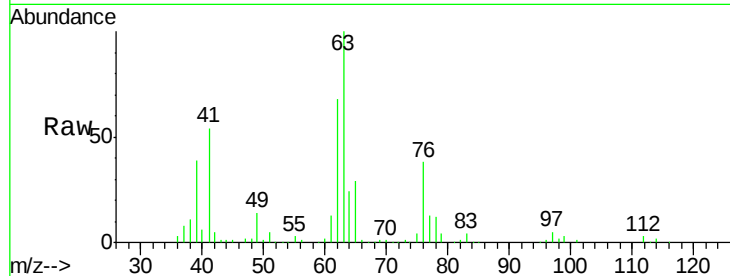
VSTDCCC050EC

Tot Ion: 63 Resp: 161195

Ion Ratio Lower Upper

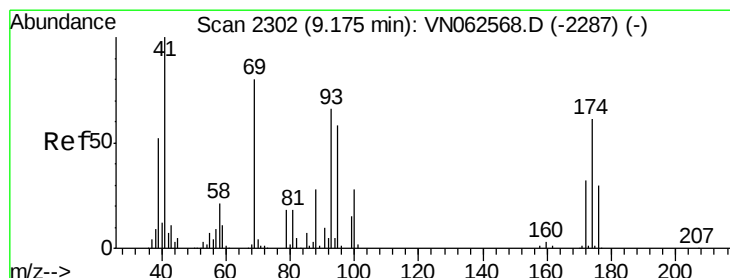
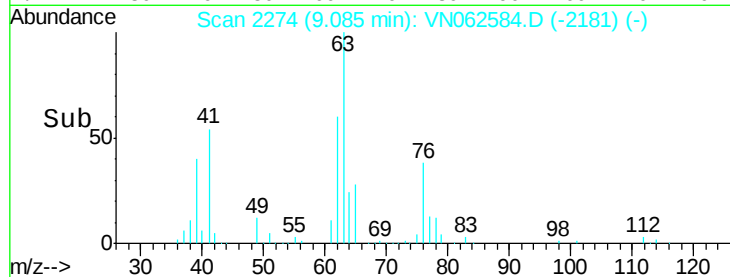
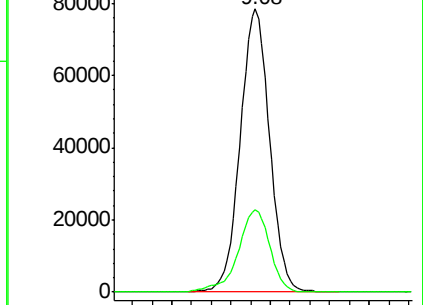
63 100

65 28.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN062568.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062568.D (-2252) (-)



#46

Dibromomethane

Concen: 53.156 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

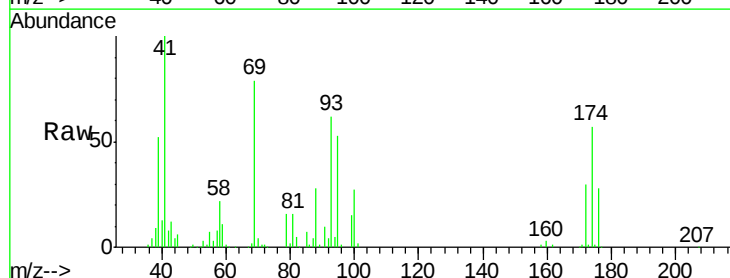
Tgt Ion: 93 Resp: 94247

Ion Ratio Lower Upper

93 100

95 81.7 67.6 101.4

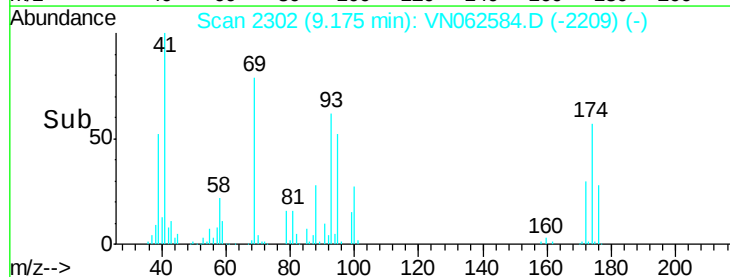
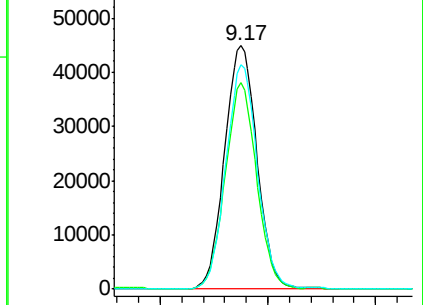
174 89.7 72.5 108.7

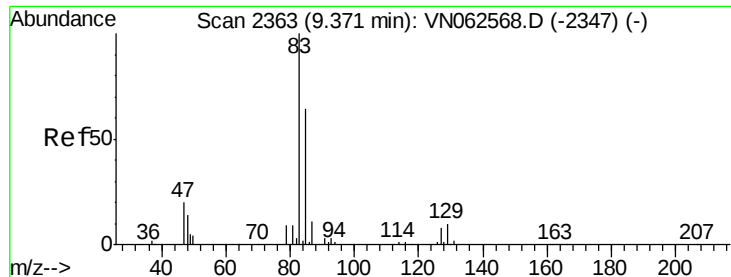


Abundance Ion 92.80 (92.50 to 93.50): VN062568.D (-2287) (-)

Ion 94.80 (94.50 to 95.50): VN062568.D (-2287) (-)

Ion 173.70 (173.40 to 174.40): VN062568.D (-2287) (-)





#47

Bromodichloromethane

Concen: 51.756 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

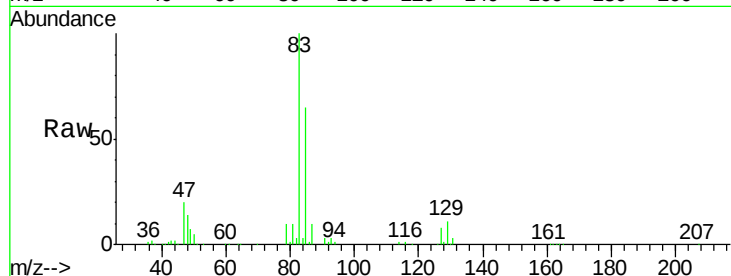
Tot Ion: 83 Resp: 198807

Ion Ratio Lower Upper

83 100

85 65.3 51.6 77.4

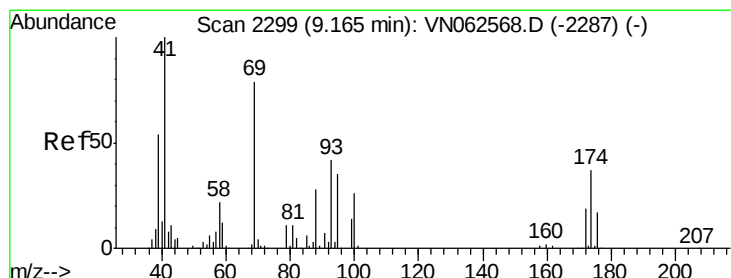
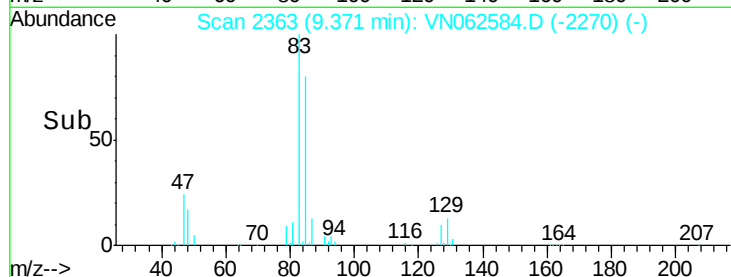
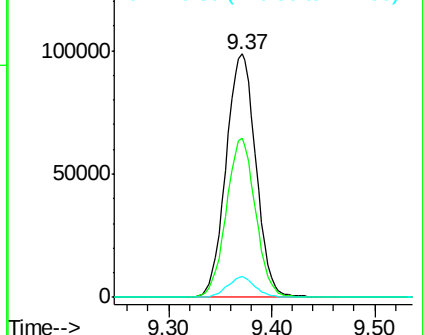
127 8.4 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062584.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062584.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062584.D (-2270) (-)



#48

Methyl methacrylate

Concen: 56.170 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

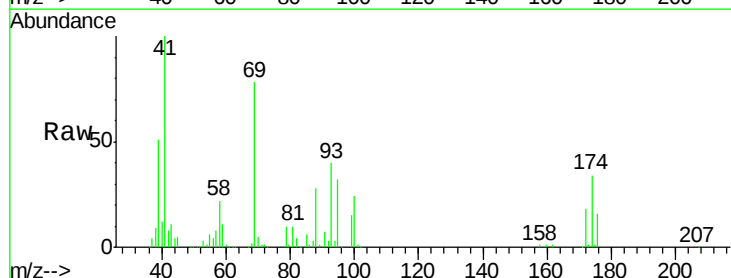
Tgt Ion: 41 Resp: 167454

Ion Ratio Lower Upper

41 100

69 80.1 64.4 96.6

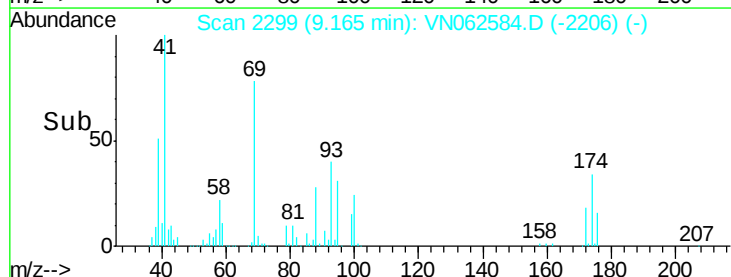
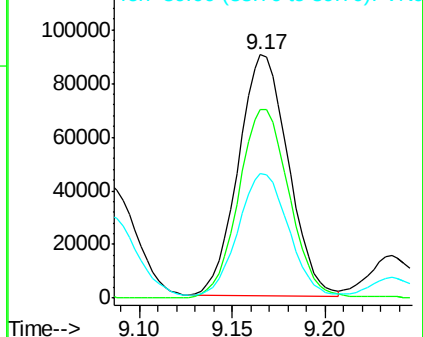
39 52.6 43.5 65.3

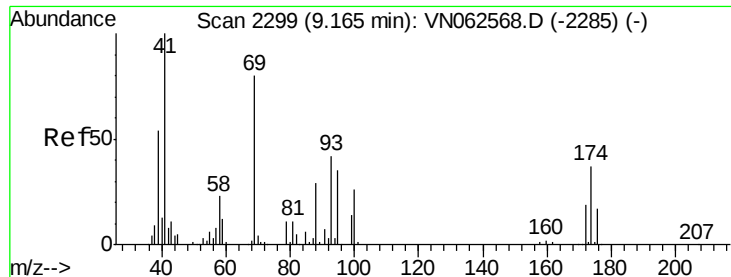


Abundance Ion 41.00 (40.70 to 41.70): VN062584.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062584.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062584.D (-2206) (-)

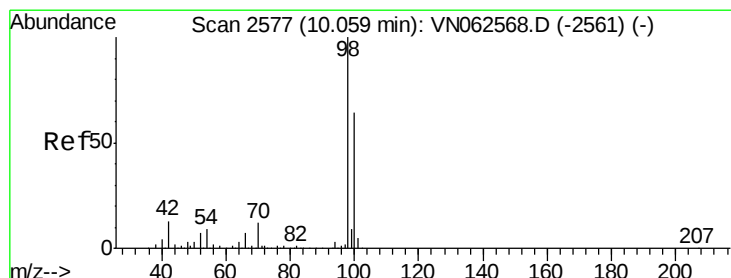
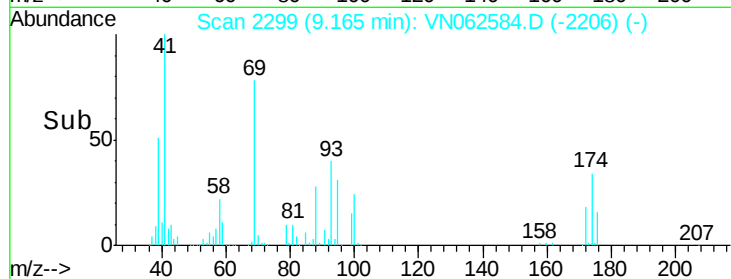
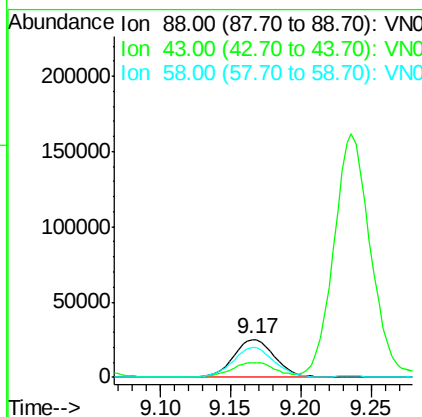
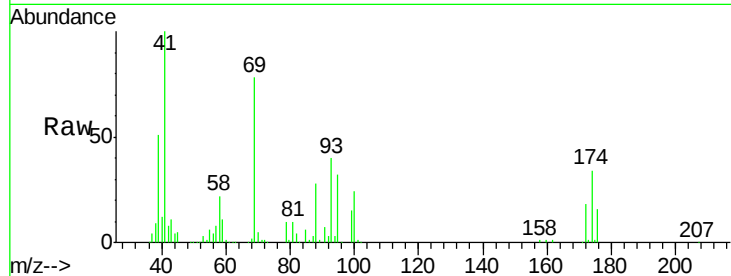




#49
1,4-Dioxane
Concen: 1125.043 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

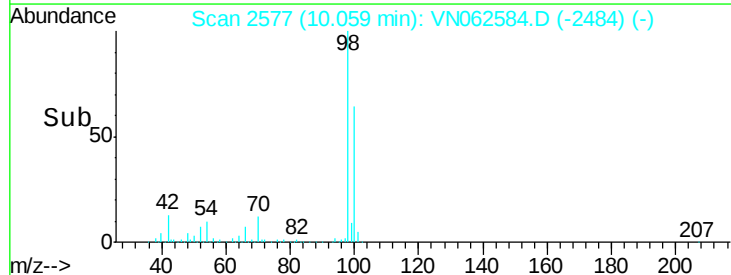
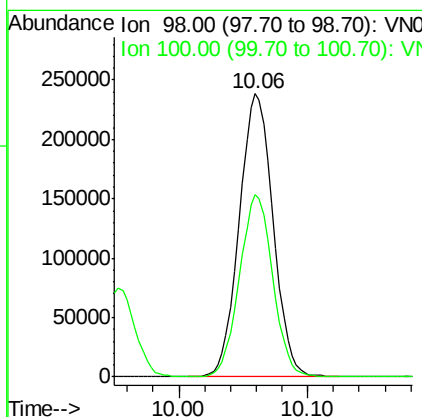
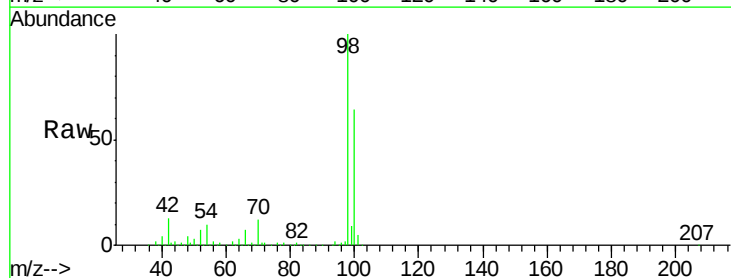
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

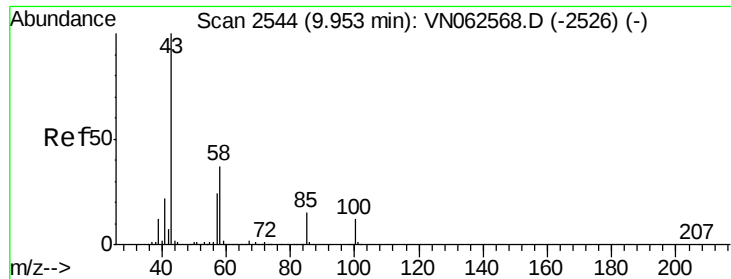
Tot Ion: 88 Resp: 51513
Ion Ratio Lower Upper
88 100
43 37.7 32.0 48.0
58 79.6 62.8 94.2



#50
Toluene-d8
Concen: 49.081 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 98 Resp: 435525
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 284.439 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

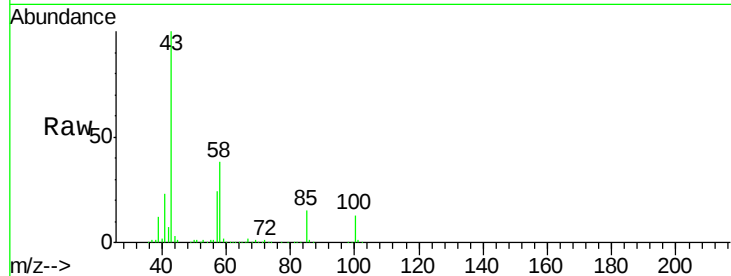
VSTDCCC050EC

Tot Ion: 43 Resp: 1067329

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)

9.95

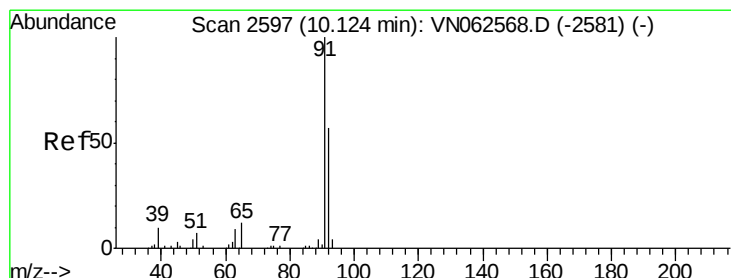
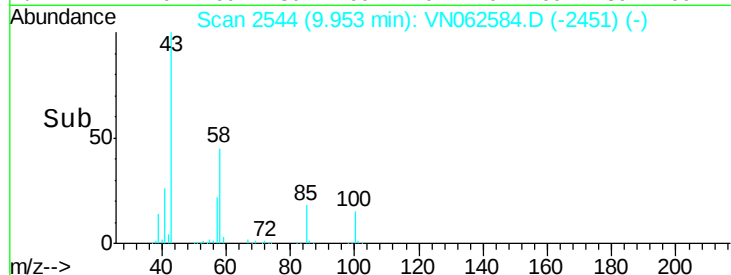
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.364 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062584.D

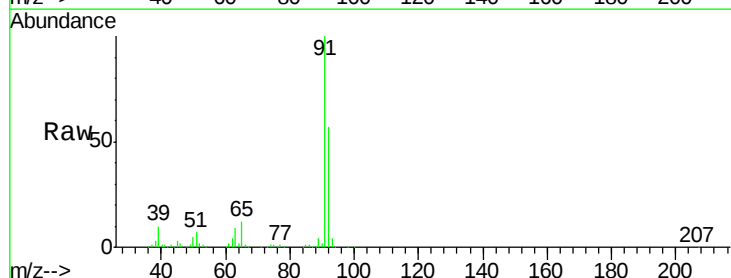
Acq: 21 Jul 2020 20:28

Tgt Ion: 92 Resp: 332216

Ion Ratio Lower Upper

92 100

91 173.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062568.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062568.D (-2581) (-)

10.12

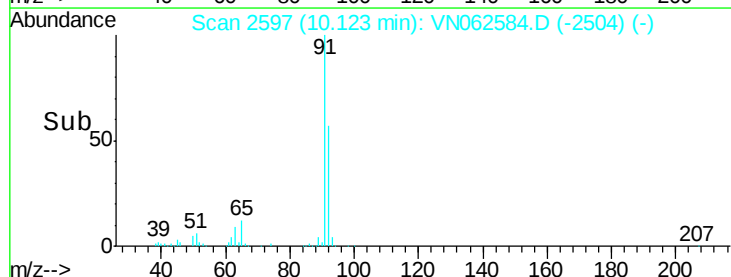
300000

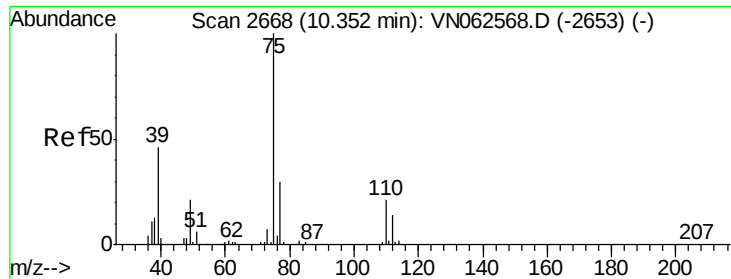
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.877 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

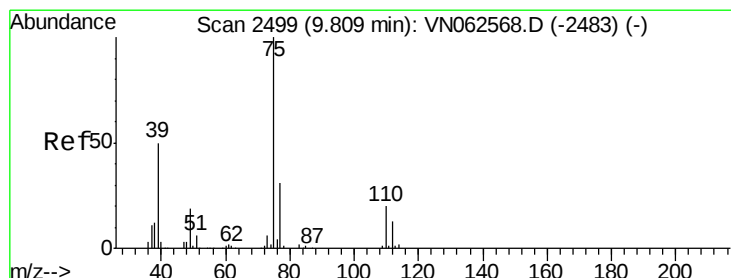
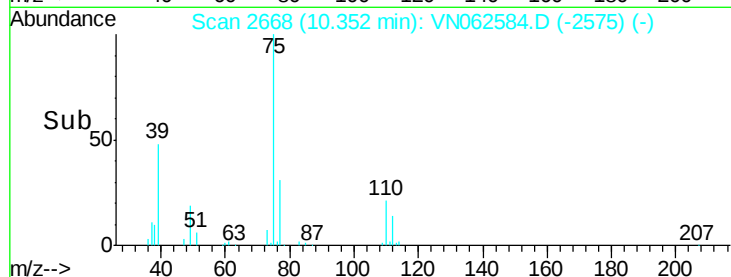
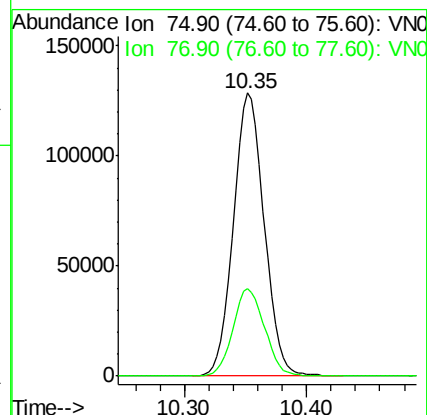
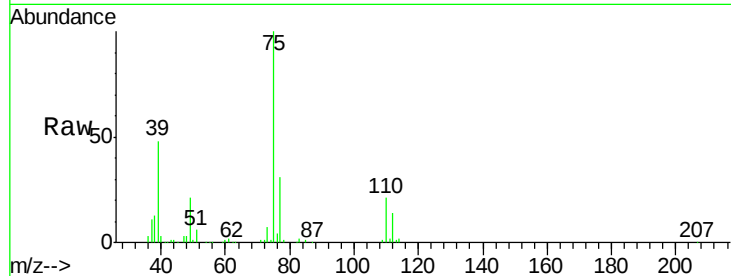
VSTDCCC050EC

Tot Ion: 75 Resp: 226106

Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 52.770 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

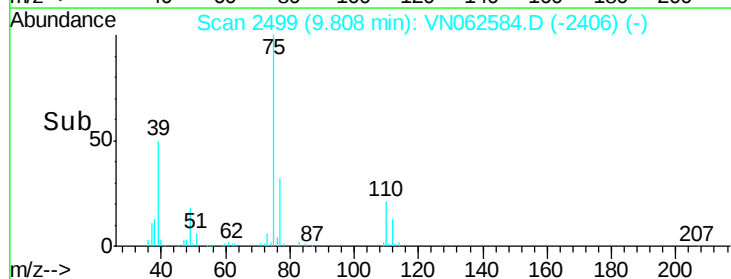
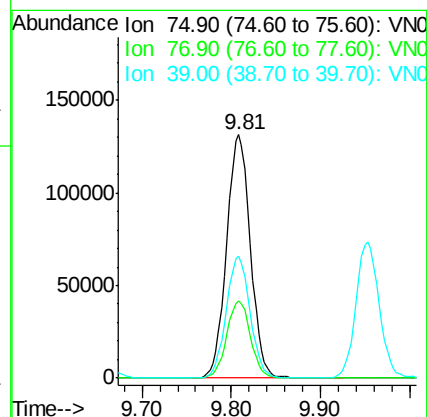
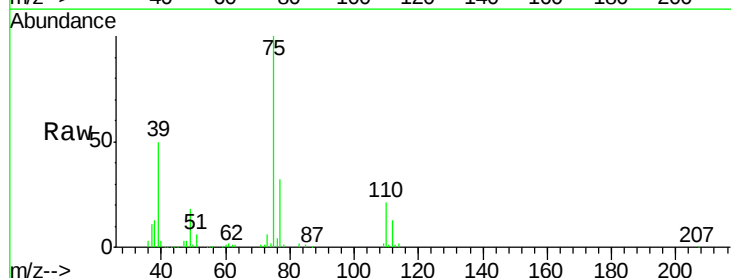
Tgt Ion: 75 Resp: 242129

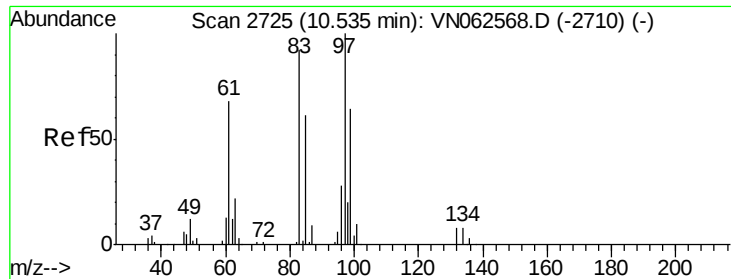
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

39 50.0 39.8 59.8

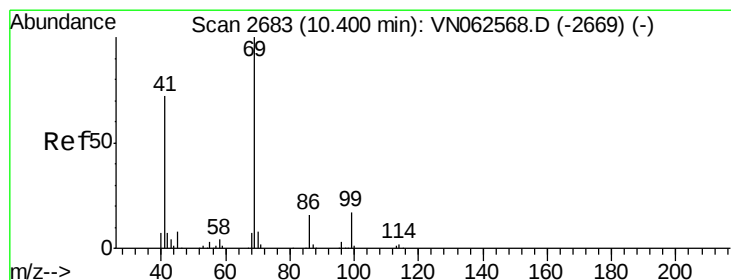
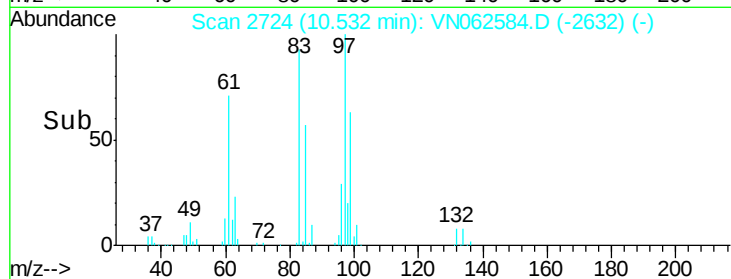
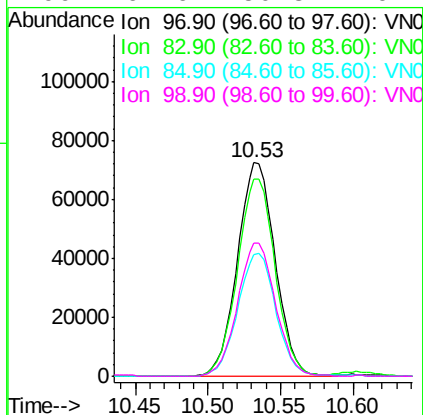
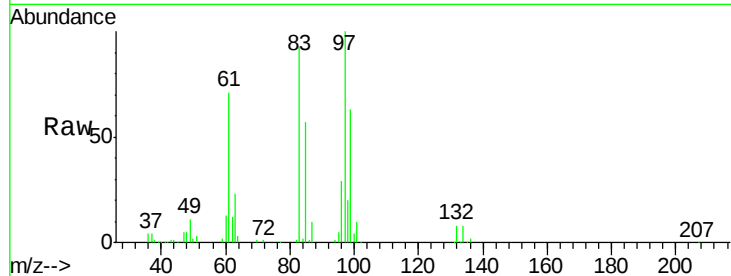




#55
 1,1,2-Trichloroethane
 Concen: 53.277 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

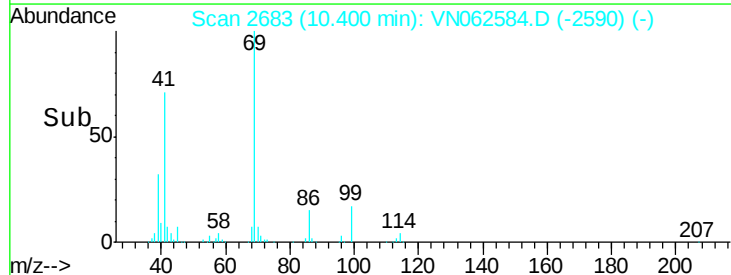
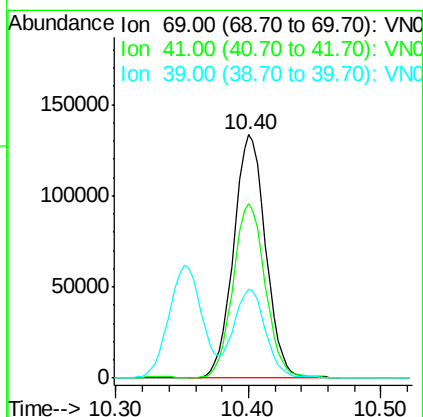
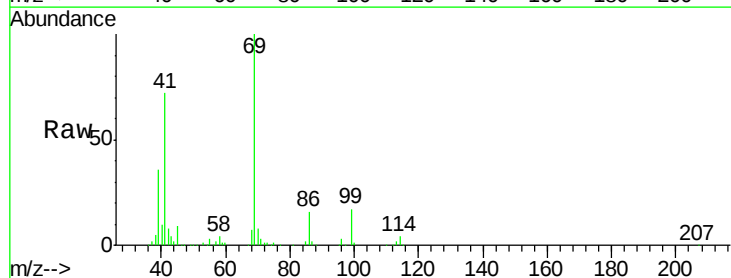
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

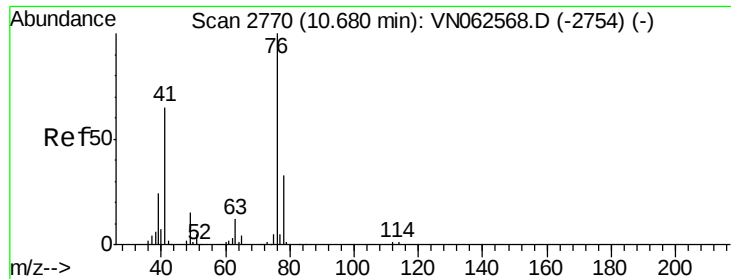
Tot Ion:	97	Resp:	131110
Ion	Ratio	Lower	Upper
97	100		
83	92.5	73.7	110.5
85	56.9	48.5	72.7
99	62.6	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 50.826 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion:	69	Resp:	224727
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.2	85.8
39	36.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 52.797 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

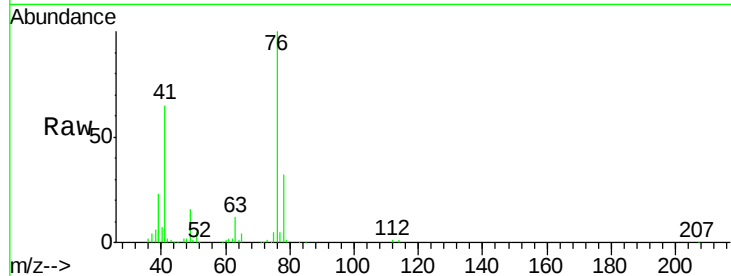
VSTDCCC050EC

Tot Ion: 76 Resp: 238029

Ion Ratio Lower Upper

76 100

78 32.9 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN062584.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062584.D (-2677) (-)

10.68

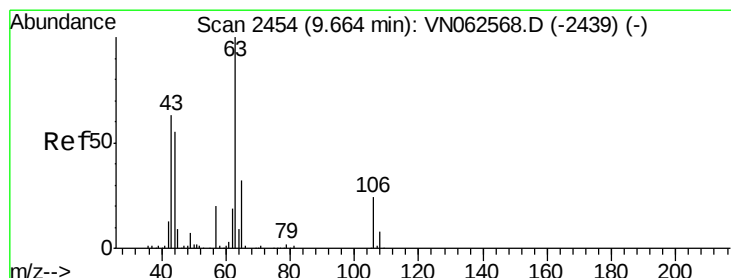
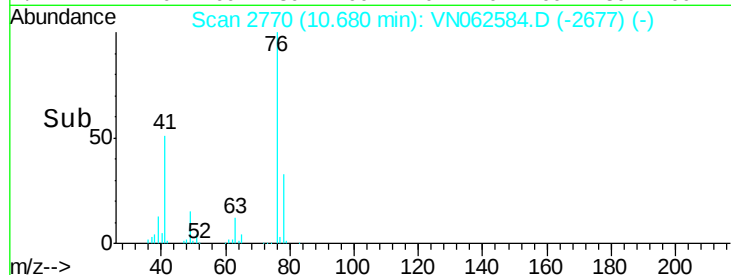
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.117 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062584.D

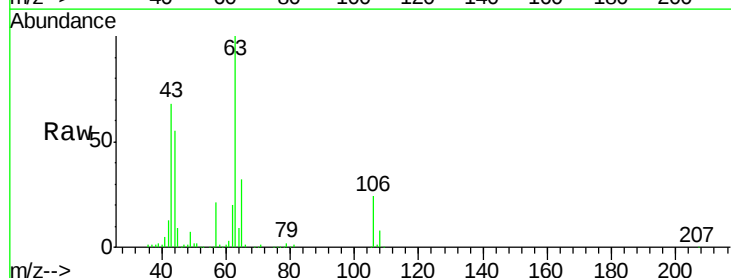
Acq: 21 Jul 2020 20:28

Tgt Ion: 63 Resp: 353066

Ion Ratio Lower Upper

63 100

106 23.7 18.9 28.3



Abundance Ion 62.90 (62.60 to 63.60): VN062584.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN062584.D (-2361) (-)

9.66

200000

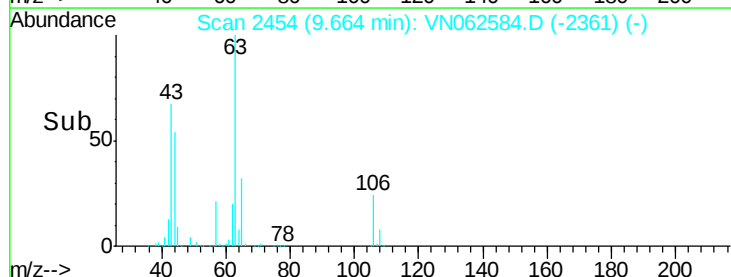
150000

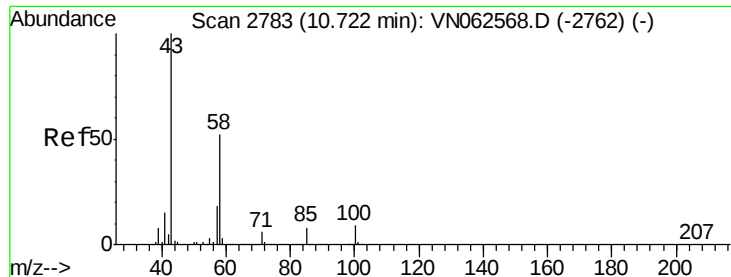
100000

50000

0

Time-->

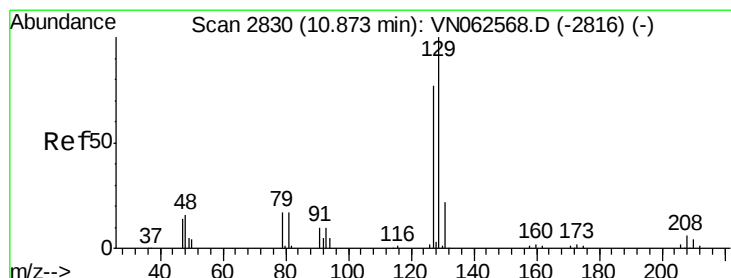
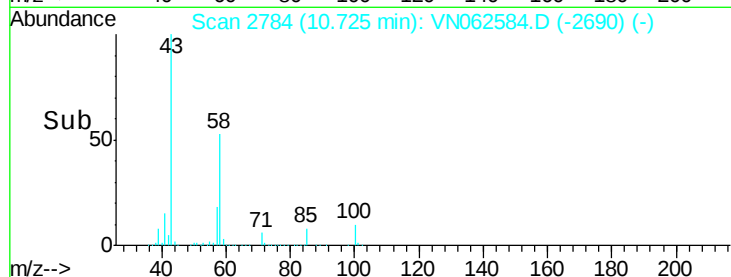
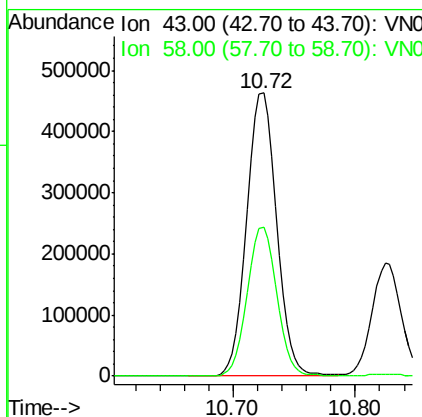
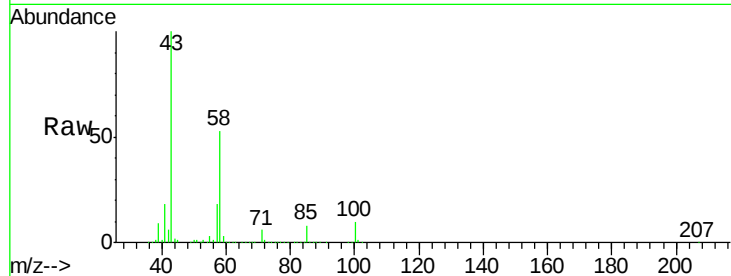




#59
2-Hexanone
Concen: 268.593 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

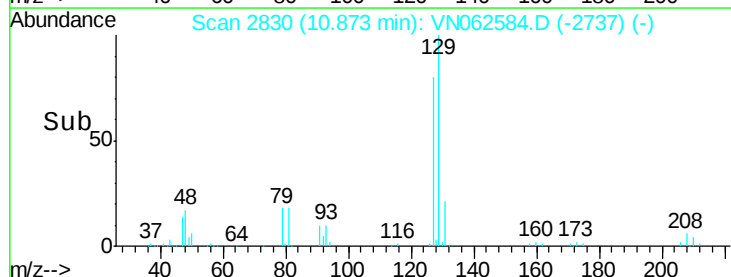
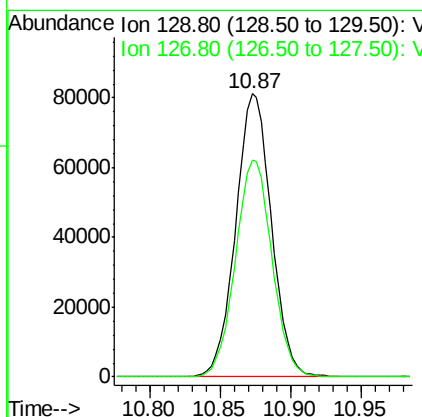
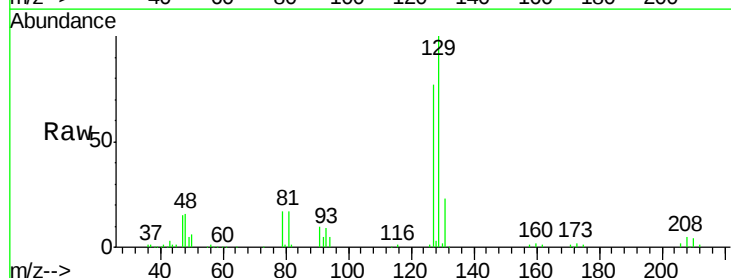
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

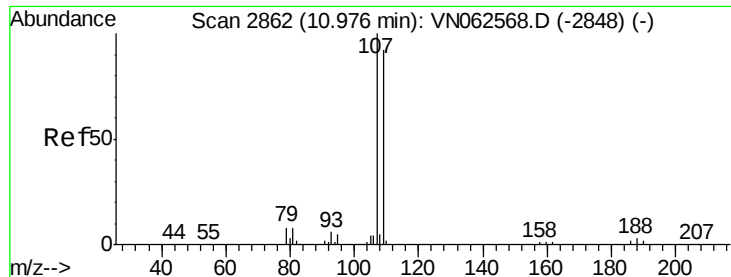
Tot Ion: 43 Resp: 780101
Ion Ratio Lower Upper
43 100
58 52.2 26.0 78.0



#60
Dibromochloromethane
Concen: 52.515 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 129 Resp: 144172
Ion Ratio Lower Upper
129 100
127 78.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.645 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

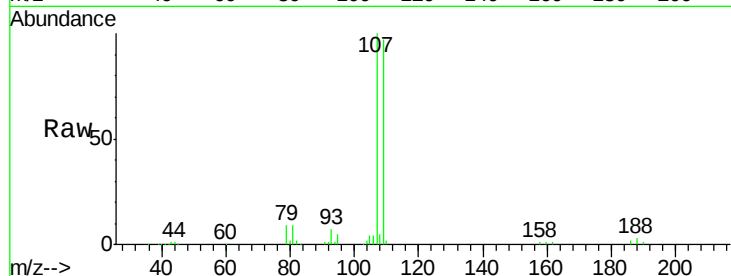
VSTDCCC050EC

Tot Ion:107 Resp: 134903

Ion Ratio Lower Upper

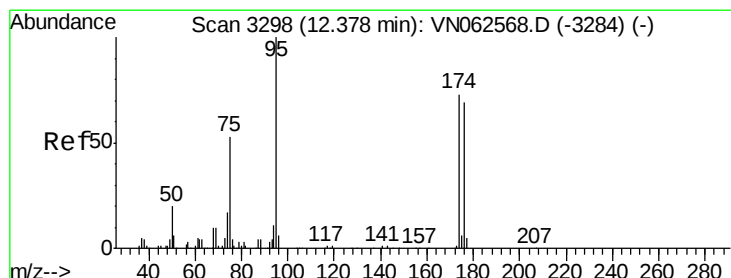
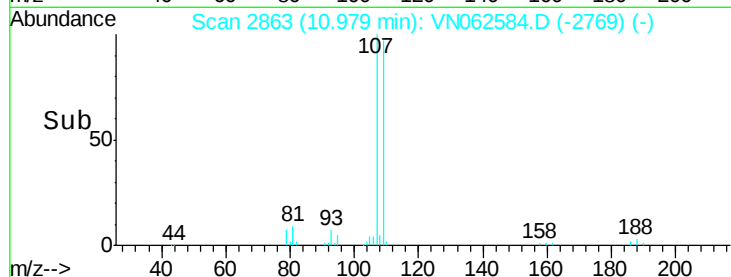
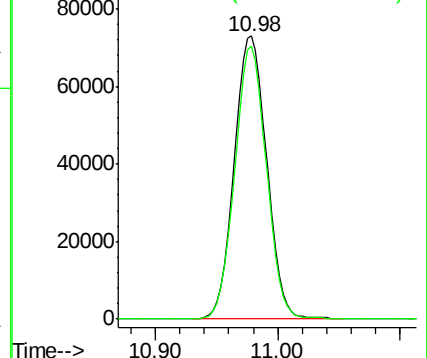
107 100

109 94.1 73.8 110.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.703 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

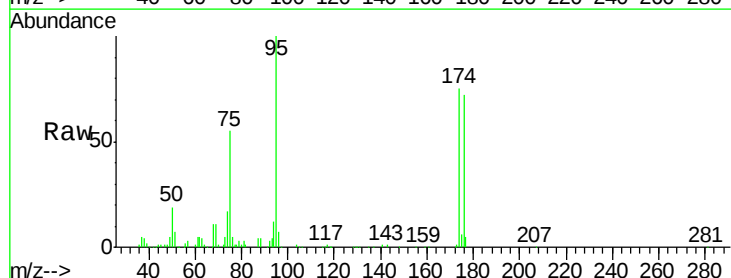
Tgt Ion: 95 Resp: 158021

Ion Ratio Lower Upper

95 100

174 74.0 0.0 144.6

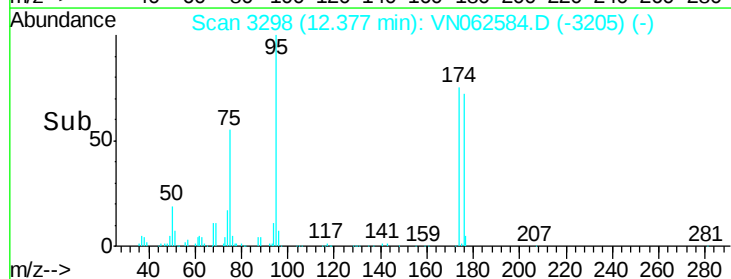
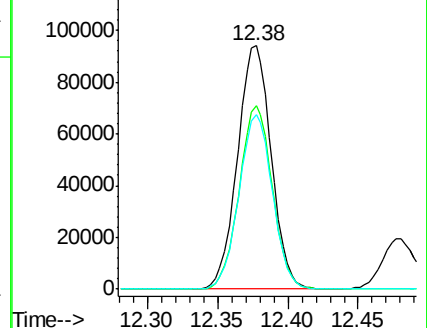
176 71.3 0.0 139.4

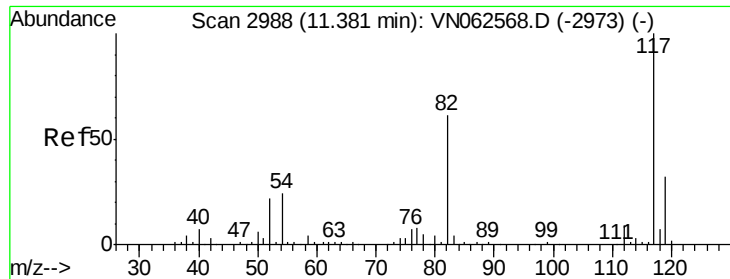


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

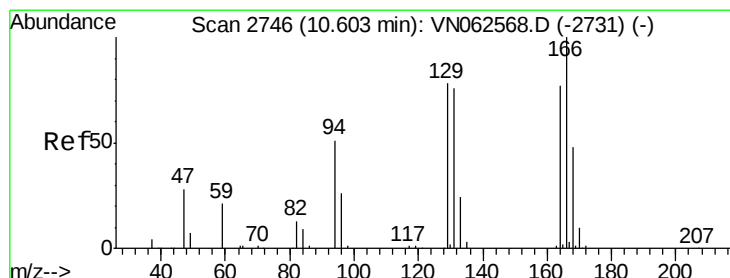
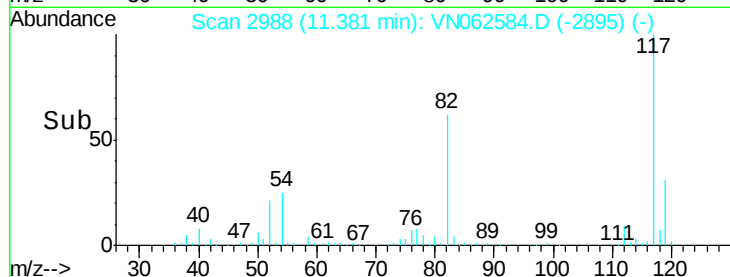
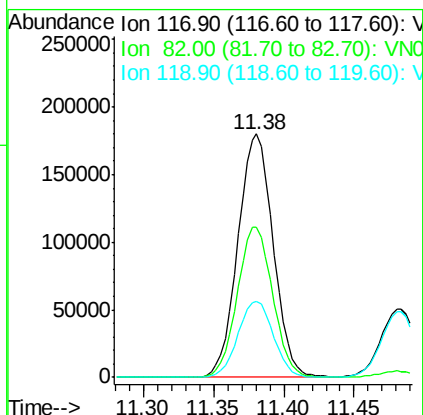
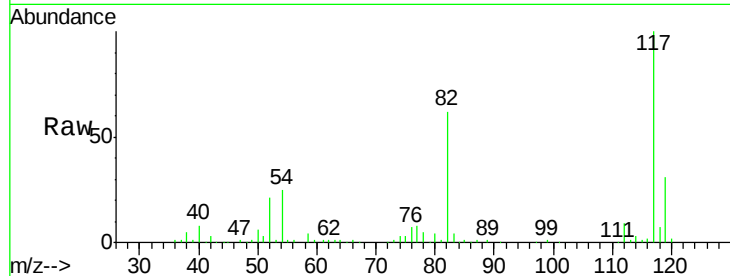




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

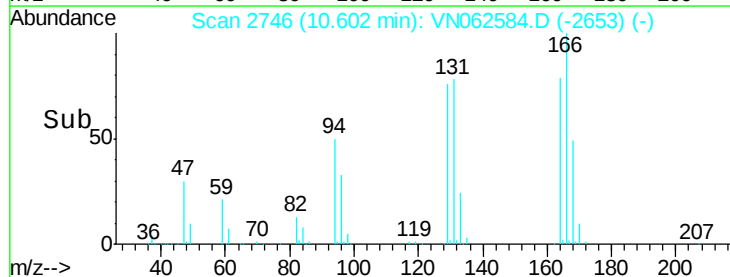
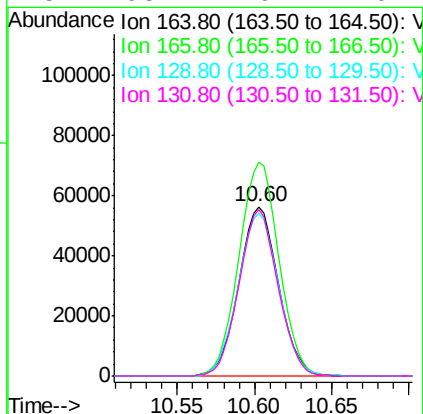
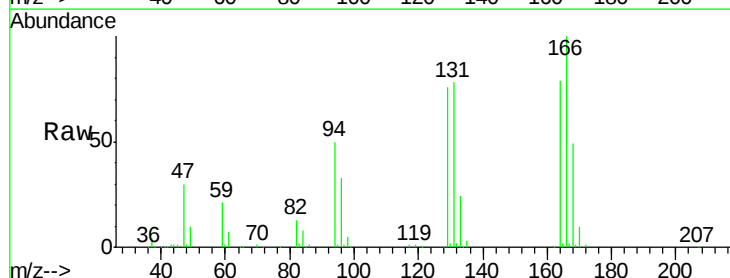
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

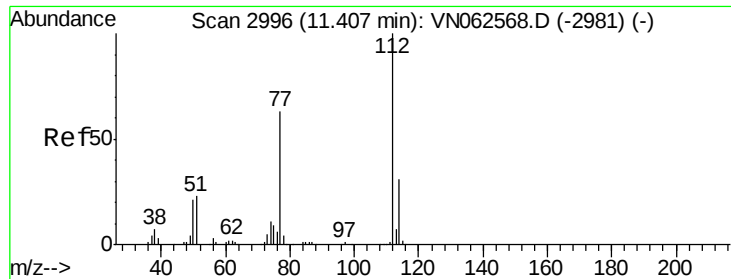
Tot Ion:117 Resp: 315843
Ion Ratio Lower Upper
117 100
82 61.9 49.0 73.6
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 48.953 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion:164 Resp: 100457
Ion Ratio Lower Upper
164 100
166 126.1 104.4 156.6
129 96.0 81.0 121.4
131 98.4 79.4 119.2





#65

Chlorobenzene

Concen: 51.257 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

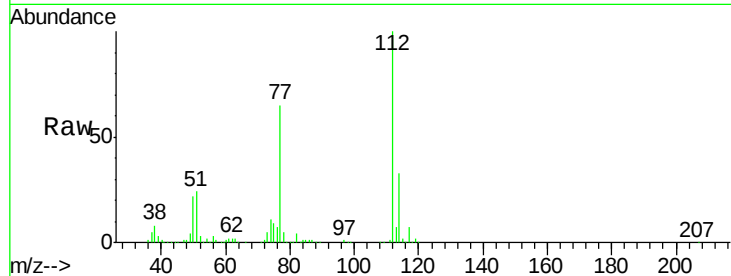
VSTDCCC050EC

Tot Ion:112 Resp: 339396

Ion Ratio Lower Upper

112 100

114 32.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

200000

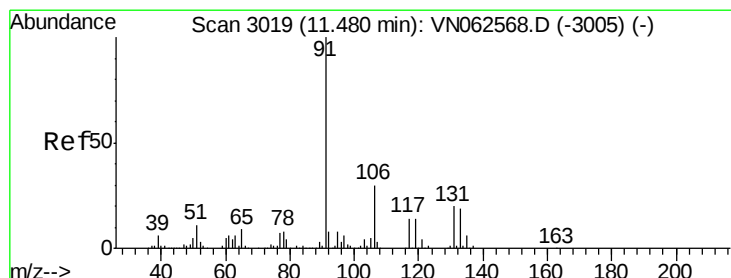
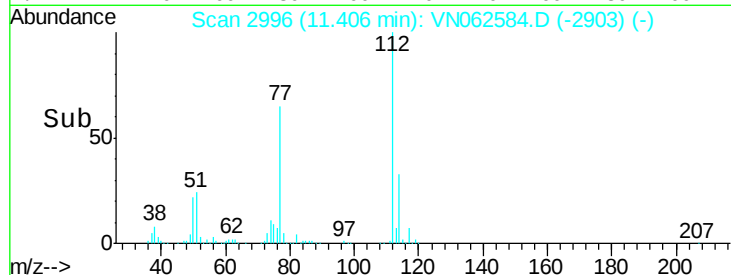
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 51.537 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

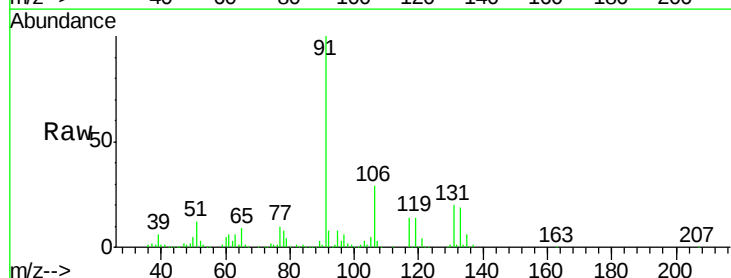
Tgt Ion:131 Resp: 128378

Ion Ratio Lower Upper

131 100

133 96.7 47.3 142.0

119 66.4 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

100000

80000

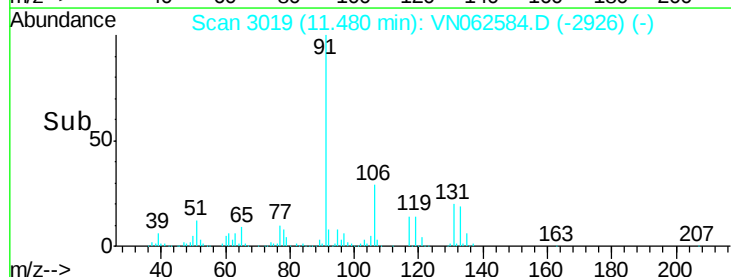
60000

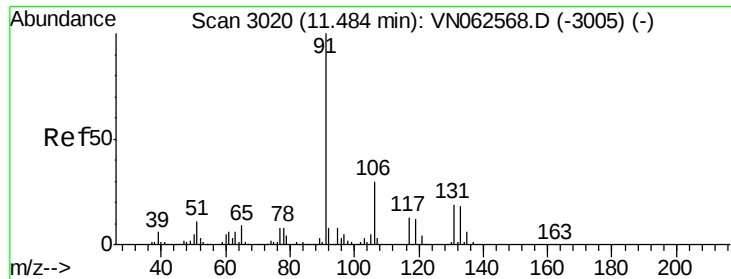
40000

20000

0

Time--> 11.40 11.45 11.50 11.55

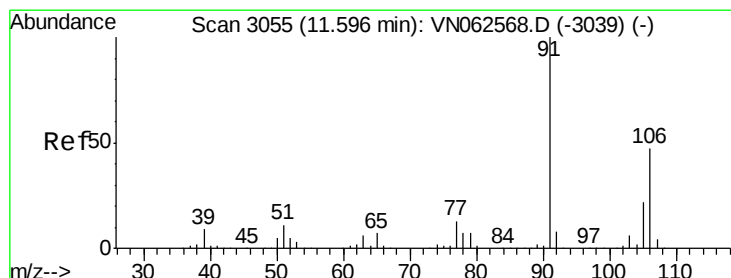
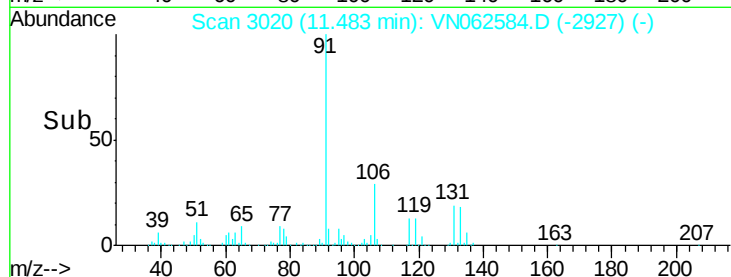
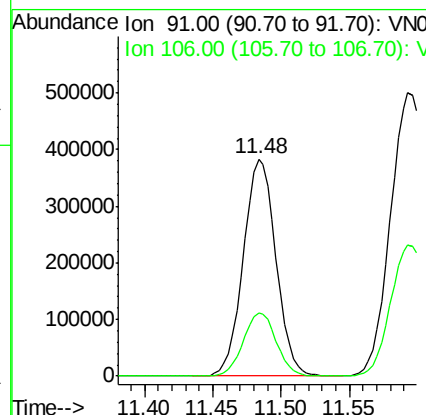
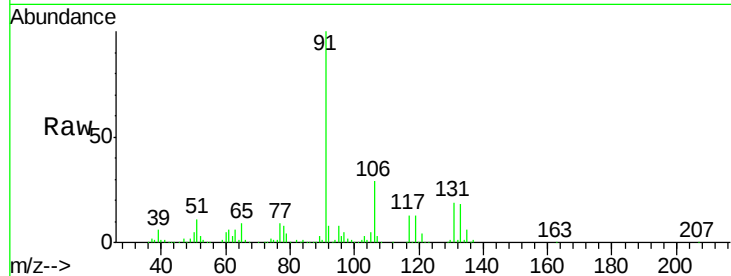




#67
Ethyl Benzene
Concen: 52.308 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

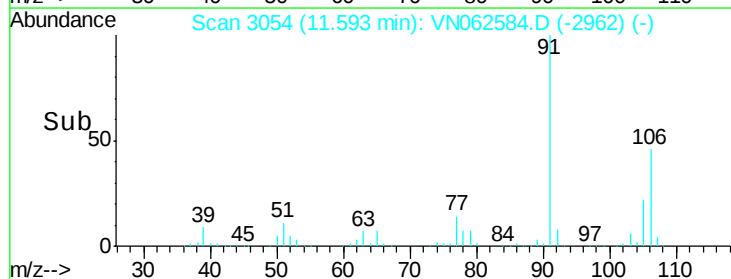
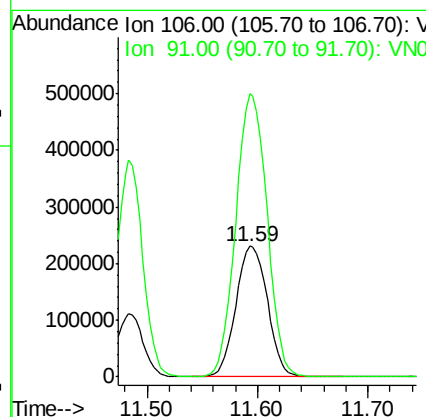
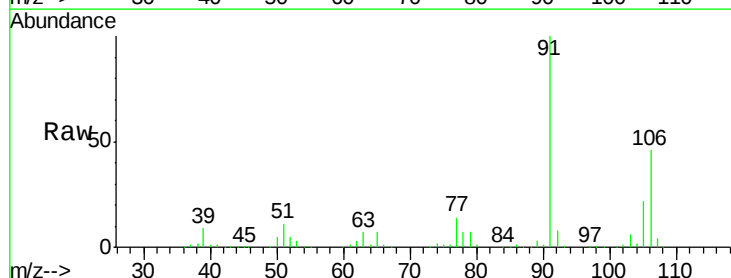
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

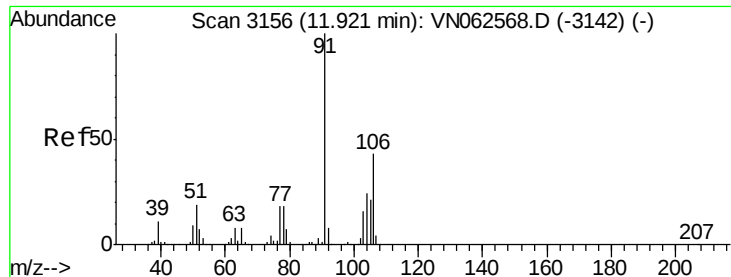
Tot Ion: 91 Resp: 635048
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8



#68
m/p-Xylenes
Concen: 104.651 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 106 Resp: 456659
Ion Ratio Lower Upper
106 100
91 215.4 171.4 257.2

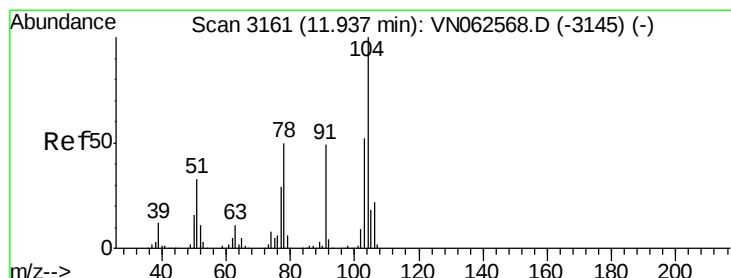
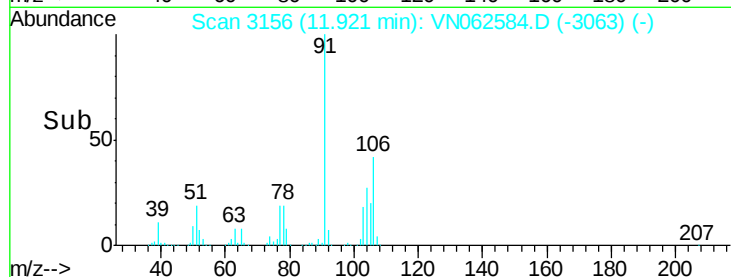
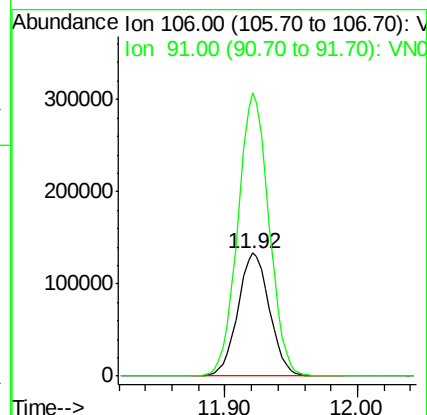
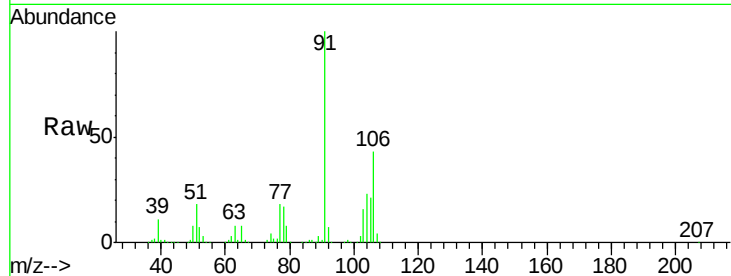




#69
o-Xylene
Concen: 53.331 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

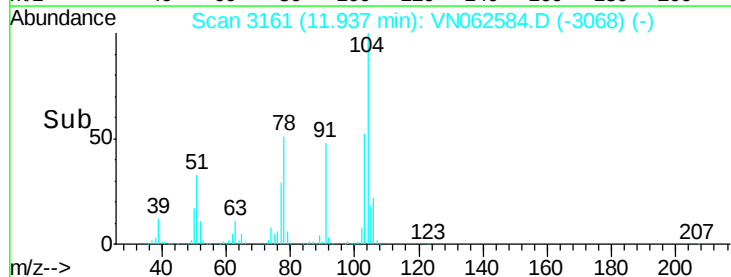
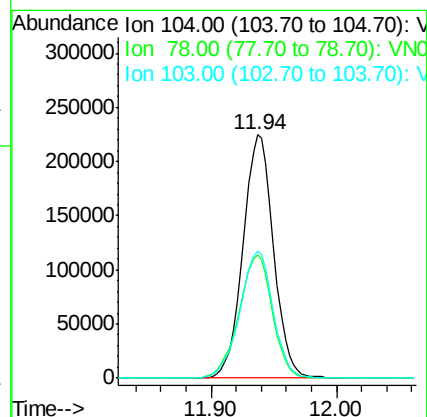
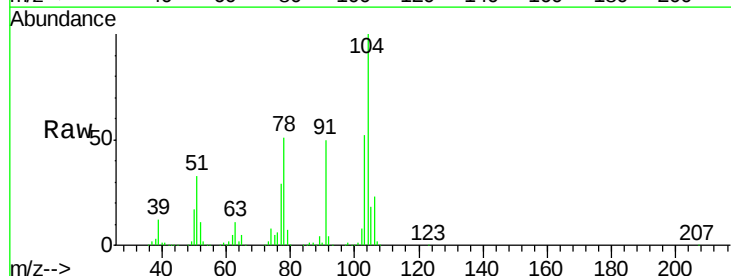
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

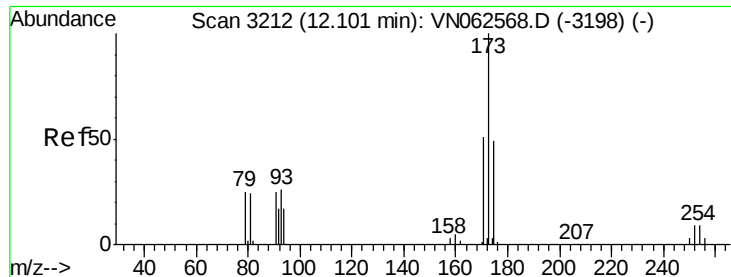
Tot Ion:106 Resp: 220989
Ion Ratio Lower Upper
106 100
91 226.6 113.8 341.2



#70
Styrene
Concen: 54.296 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062584.D
Acq: 21 Jul 2020 20:28

Tgt Ion:104 Resp: 380058
Ion Ratio Lower Upper
104 100
78 55.4 43.8 65.6
103 56.5 44.0 66.0





#71

Bromoform

Concen: 54.677 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

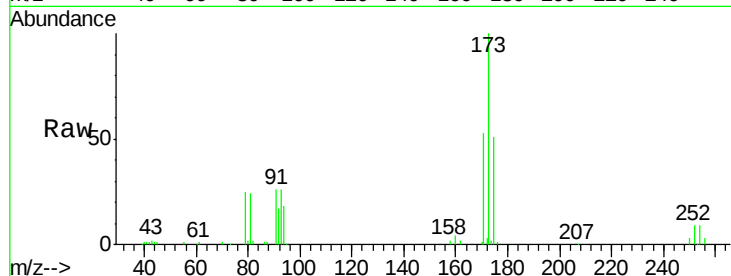
Tot Ion:173 Resp: 102262

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.2

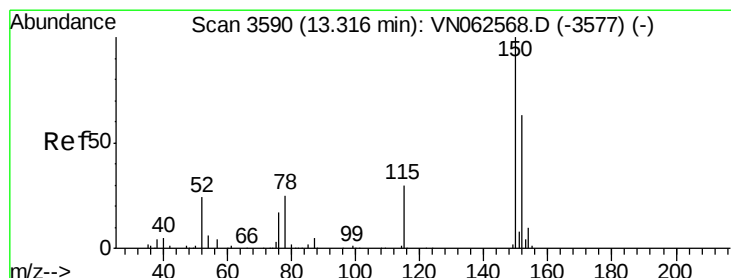
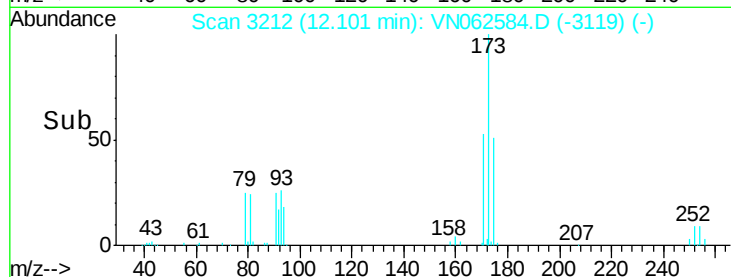
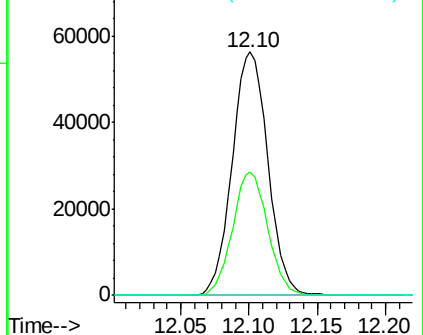
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

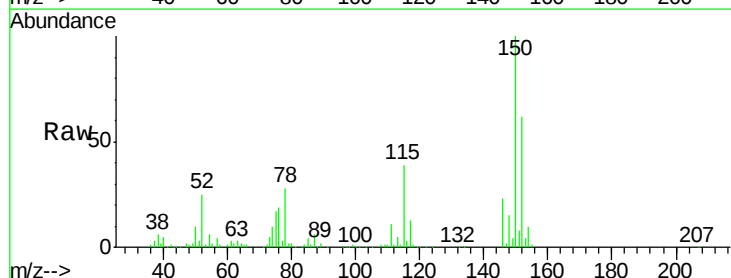
Tgt Ion:152 Resp: 146043

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

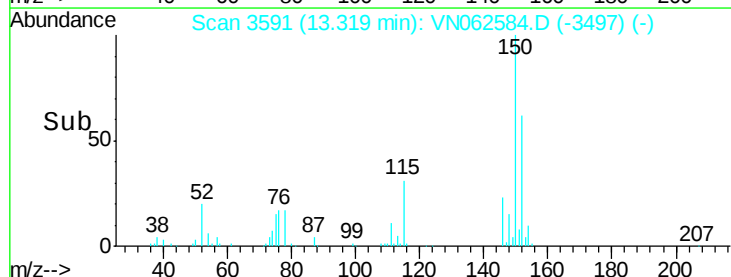
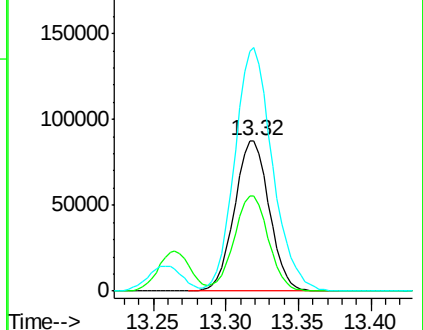
150 174.4 0.0 351.4

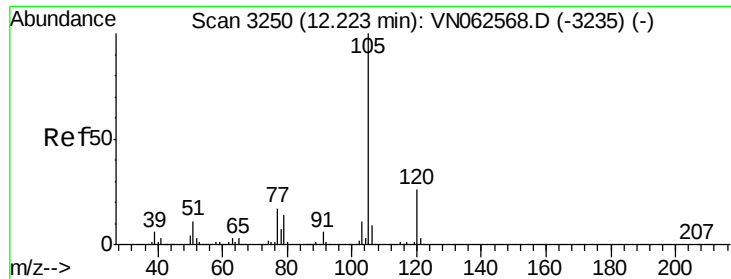


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.469 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

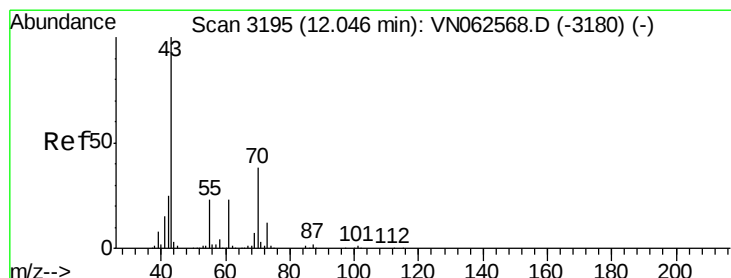
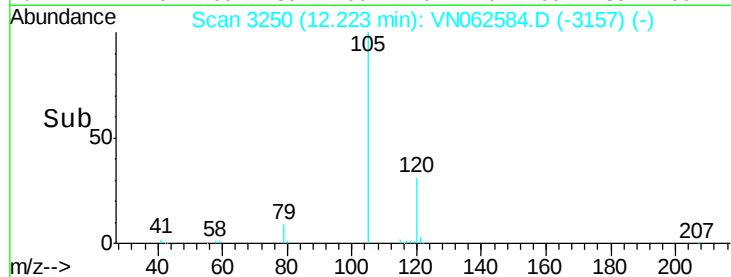
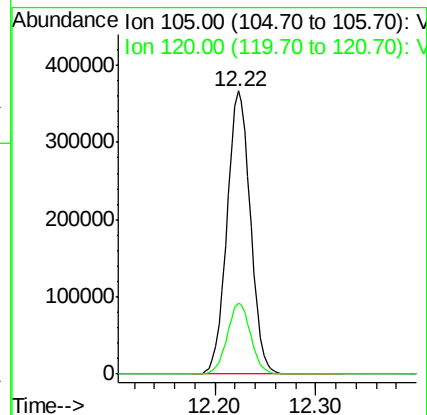
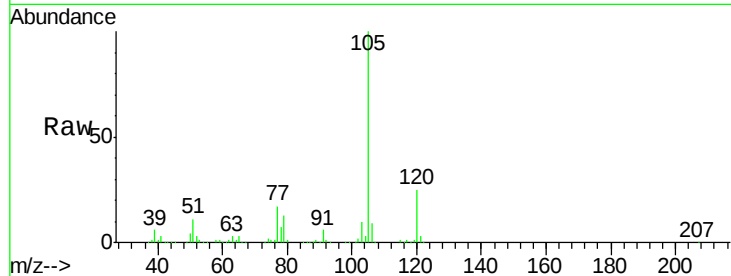
VSTDCCC050EC

Tot Ion:105 Resp: 594355

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4



#74

N-ethyl acetate

Concen: 58.273 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Tgt Ion: 43 Resp: 300516

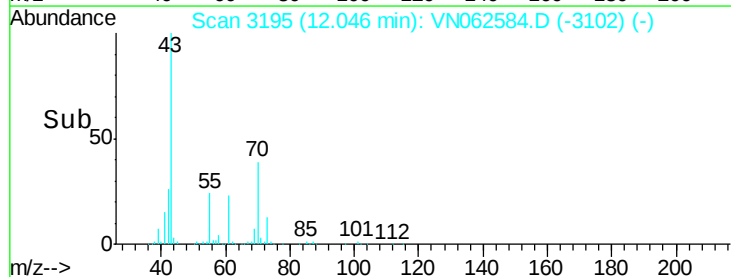
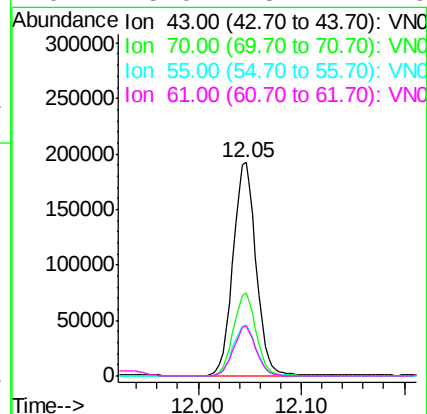
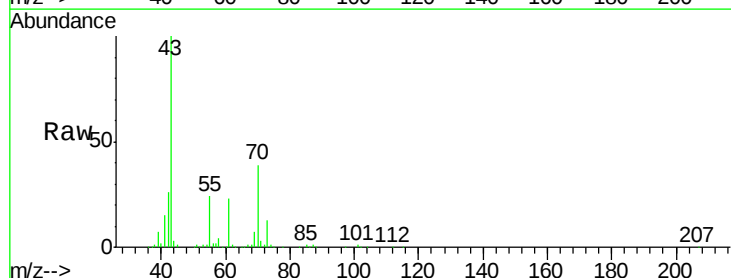
Ion Ratio Lower Upper

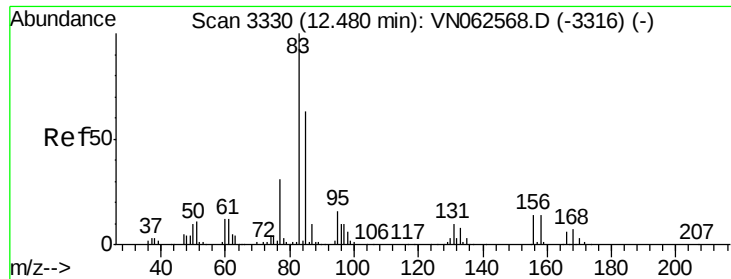
43 100

70 38.5 30.5 45.7

55 24.4 19.0 28.6

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.176 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

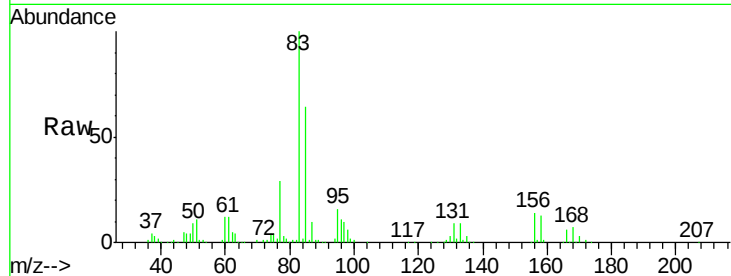
Tot Ion: 83 Resp: 205360

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

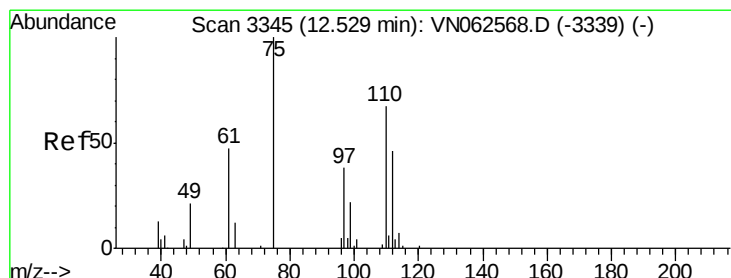
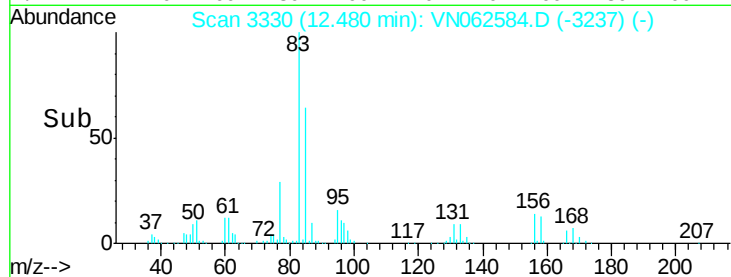
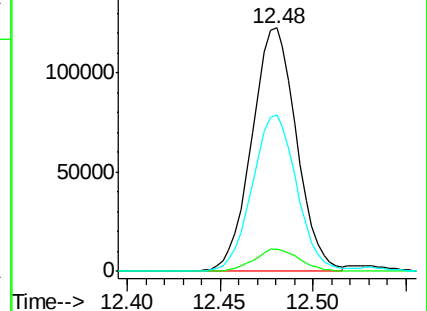
85 64.1 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN062584.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062584.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062584.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 73.281 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062584.D

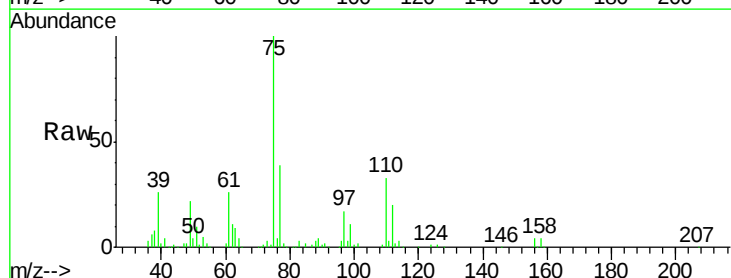
Acq: 21 Jul 2020 20:28

Tgt Ion: 75 Resp: 272407

Ion Ratio Lower Upper

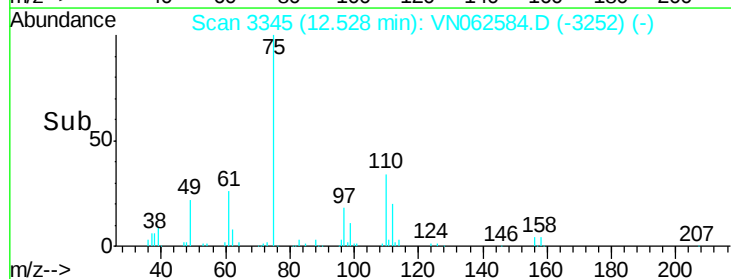
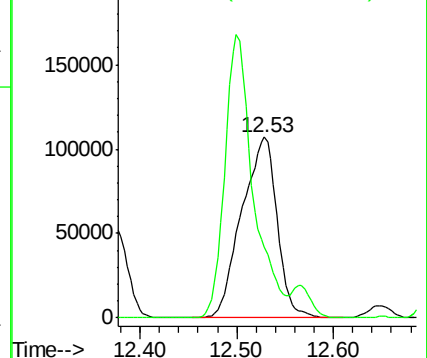
75 100

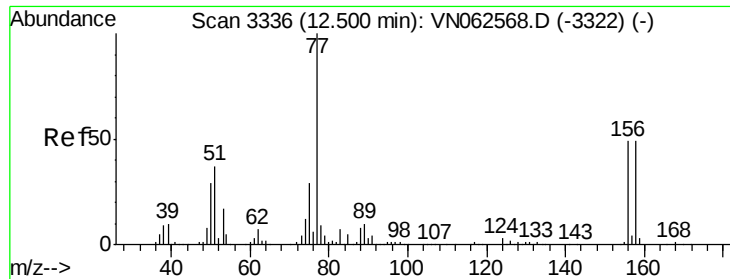
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062584.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062584.D (-3252) (-)





#77

Bromobenzene

Concen: 50.934 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

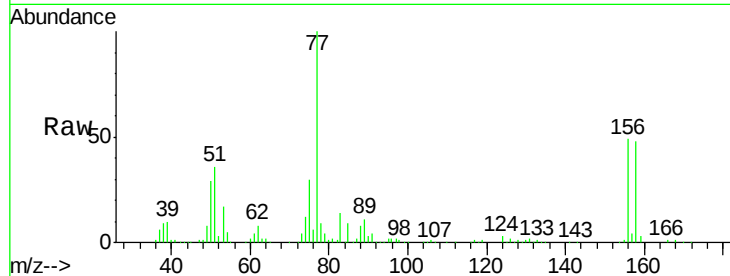
Tot Ion:156 Resp: 141348

Ion Ratio Lower Upper

156 100

77 242.3 122.8 368.3

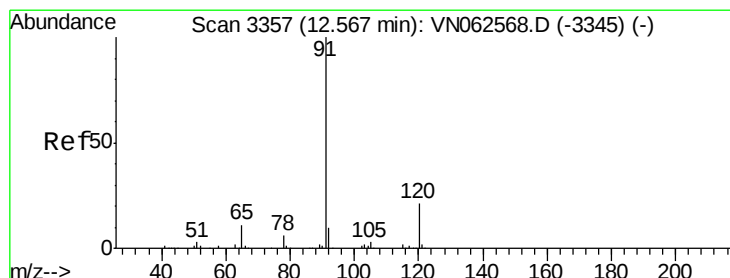
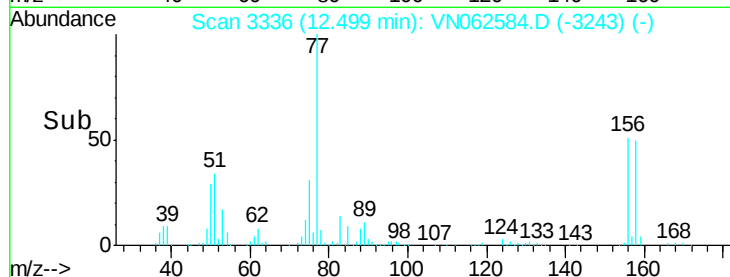
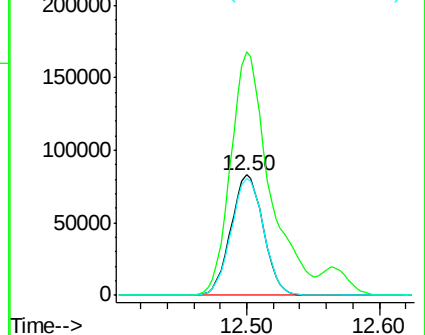
158 97.6 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.592 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062584.D

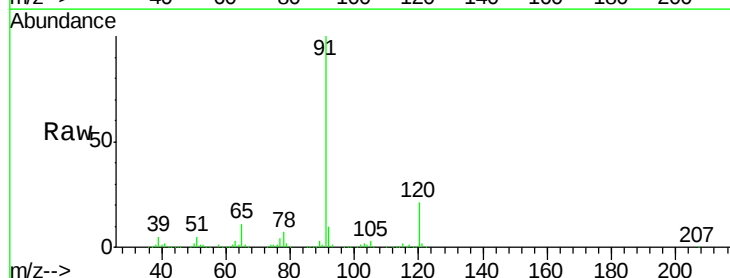
Acq: 21 Jul 2020 20:28

Tgt Ion: 91 Resp: 697867

Ion Ratio Lower Upper

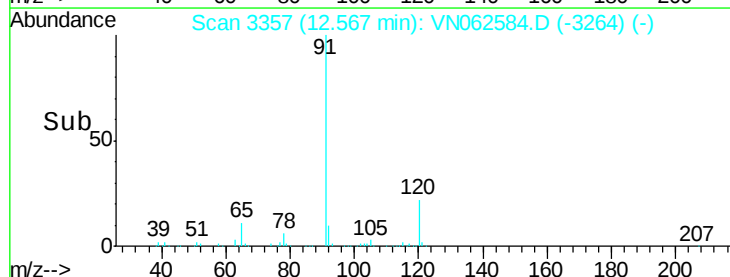
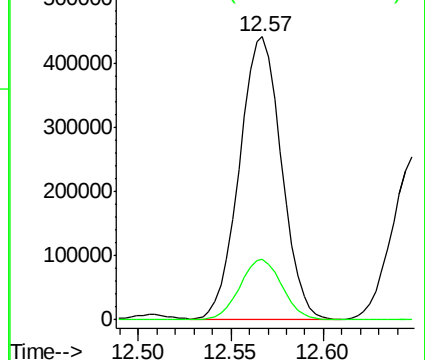
91 100

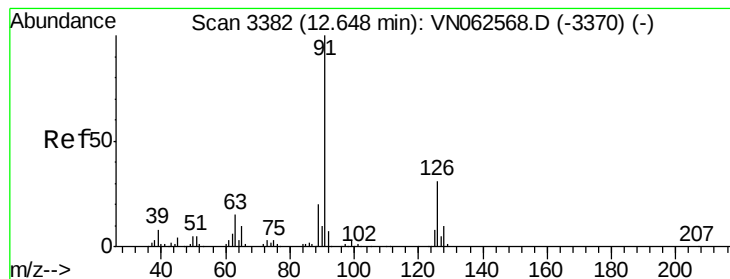
120 21.4 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.907 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

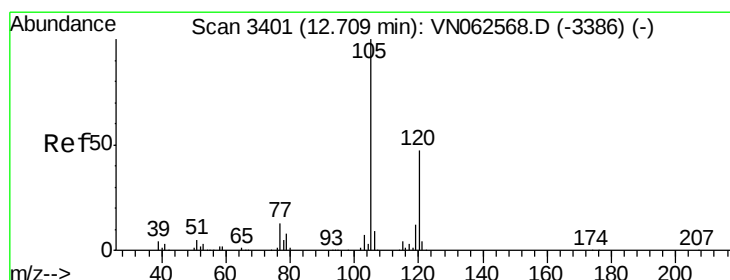
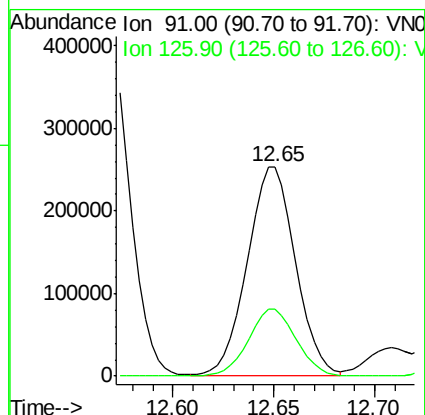
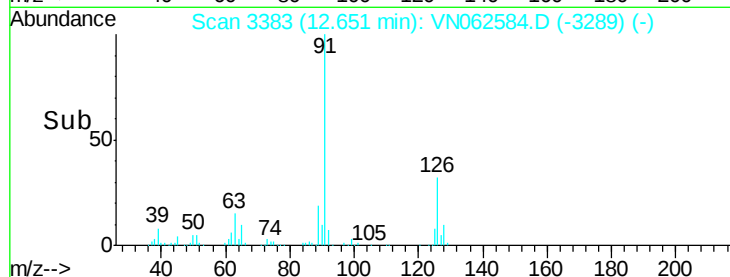
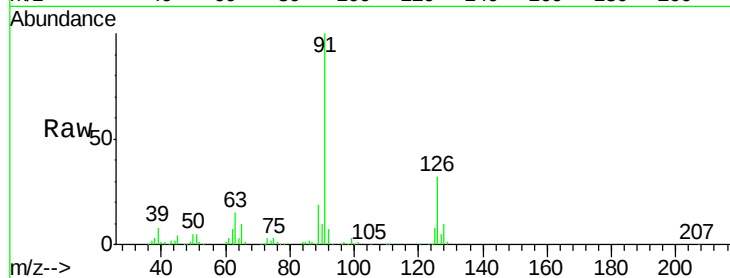
VSTDCCC050EC

Tot Ion: 91 Resp: 424368

Ion Ratio Lower Upper

91 100

126 31.7 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 52.627 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062584.D

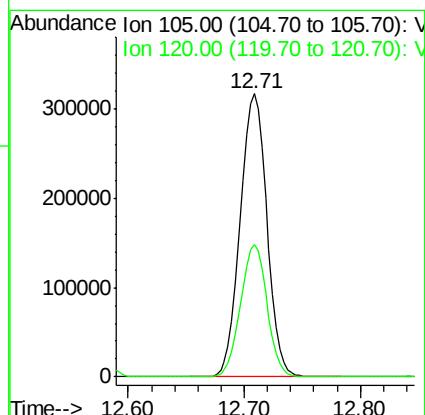
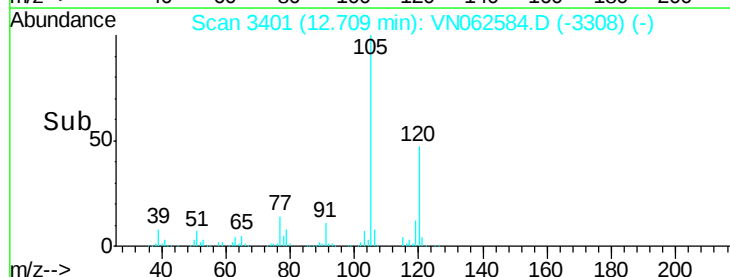
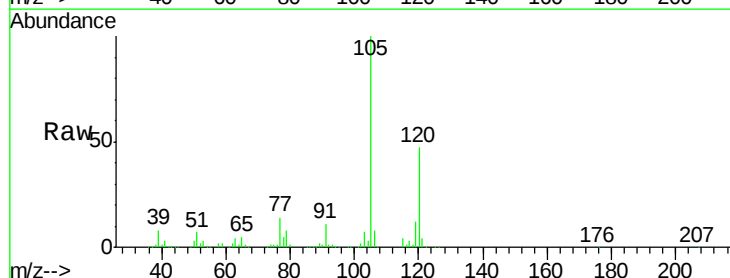
Acq: 21 Jul 2020 20:28

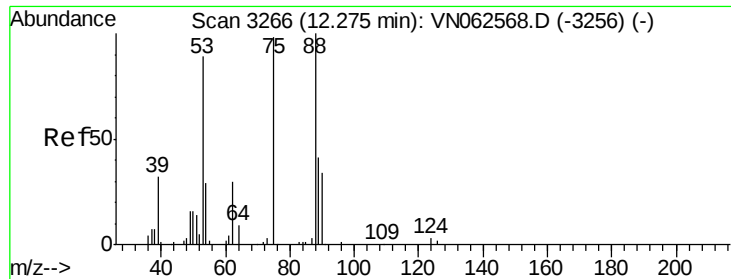
Tgt Ion: 105 Resp: 504108

Ion Ratio Lower Upper

105 100

120 46.5 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 53.196 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

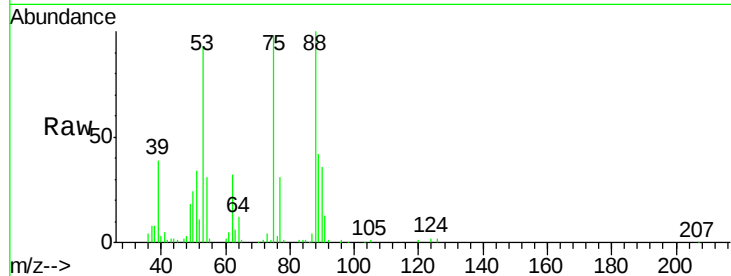
Tot Ion: 75 Resp: 71036

Ion Ratio Lower Upper

75 100

53 95.0 75.4 113.0

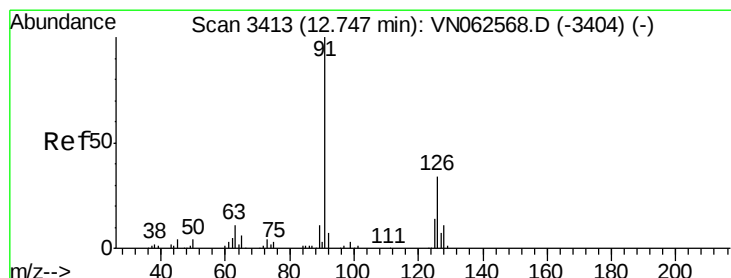
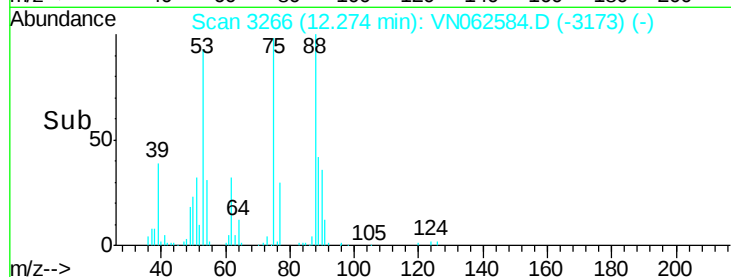
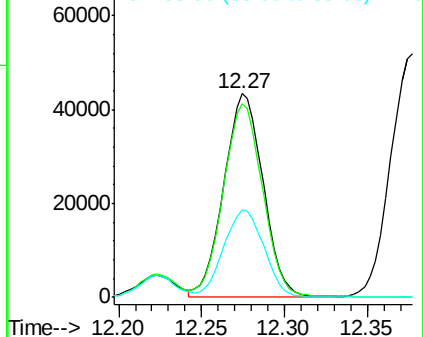
89 44.6 34.5 51.7



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: 49.773 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062584.D

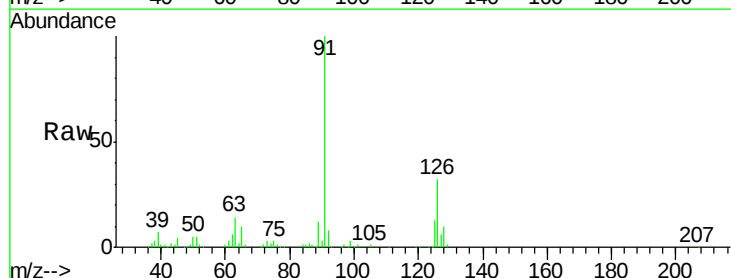
Acq: 21 Jul 2020 20:28

Tgt Ion: 91 Resp: 431874

Ion Ratio Lower Upper

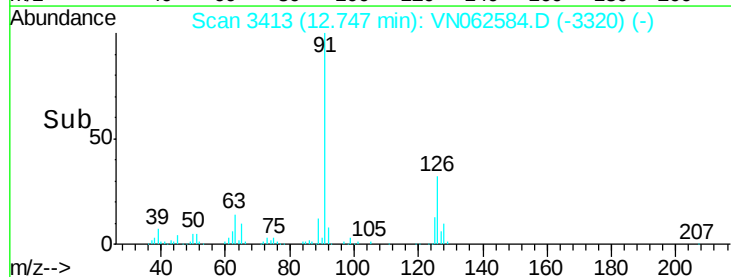
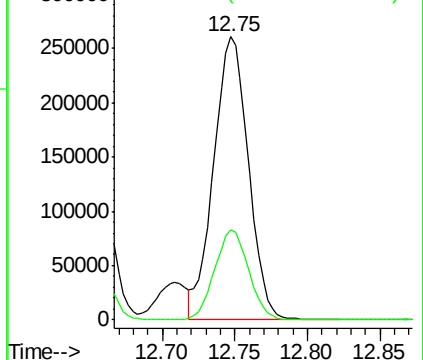
91 100

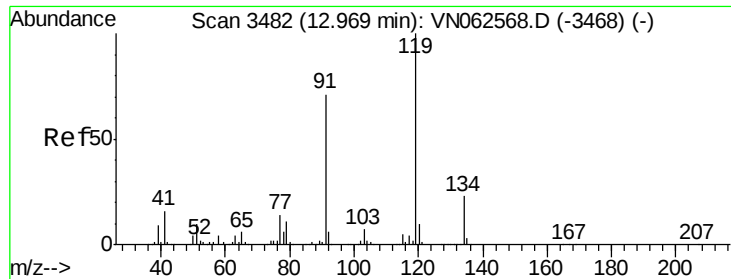
126 31.1 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

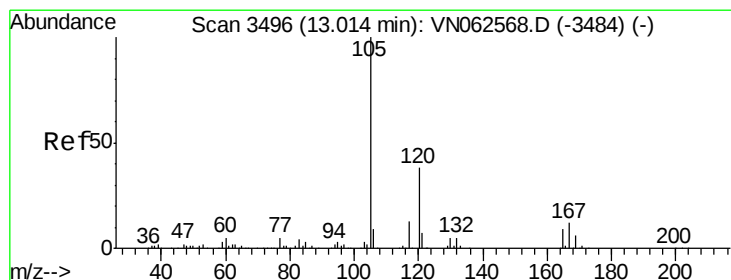
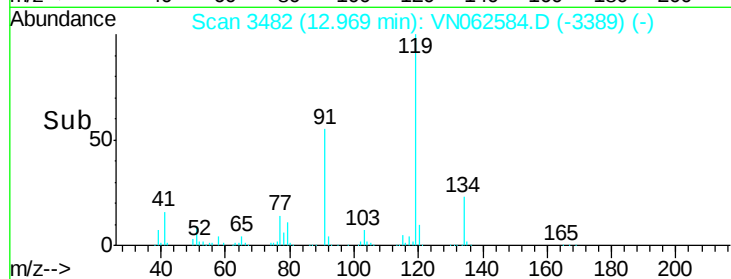
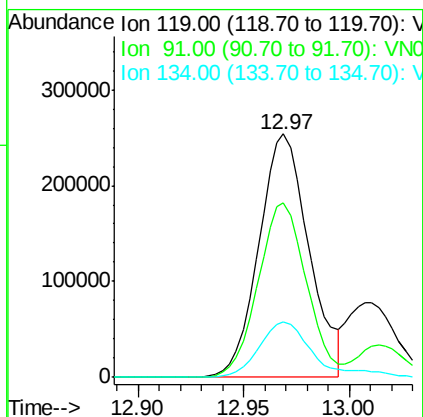
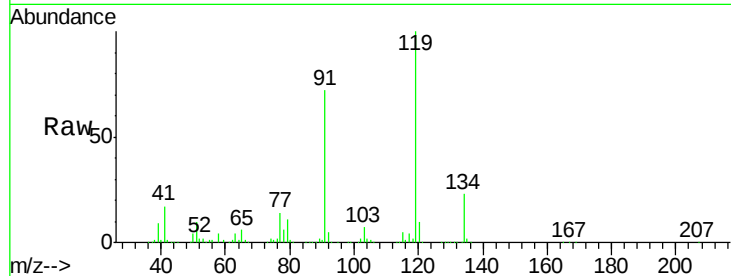




#83
 tert-Butylbenzene
 Concen: 52.782 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

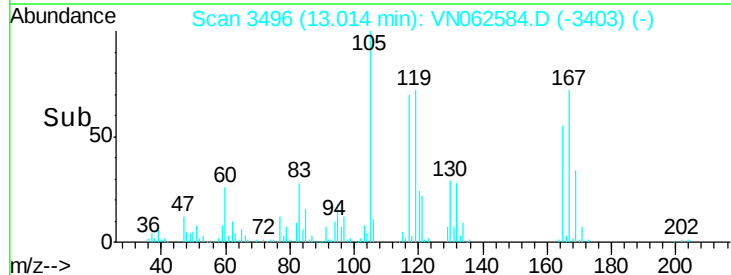
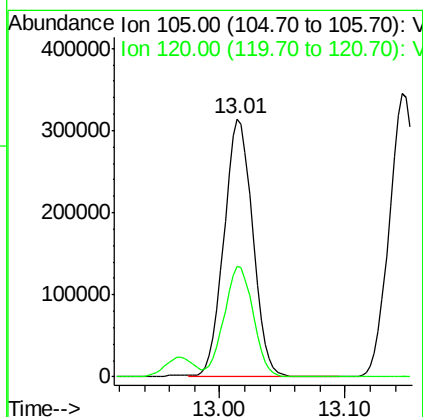
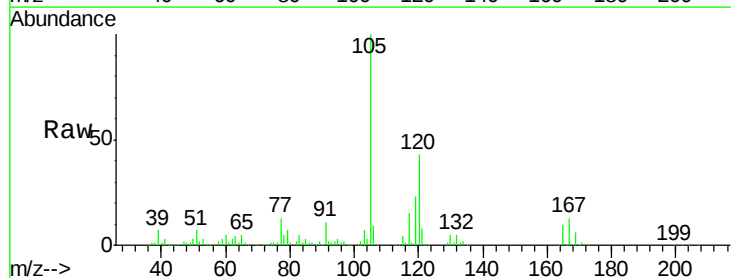
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

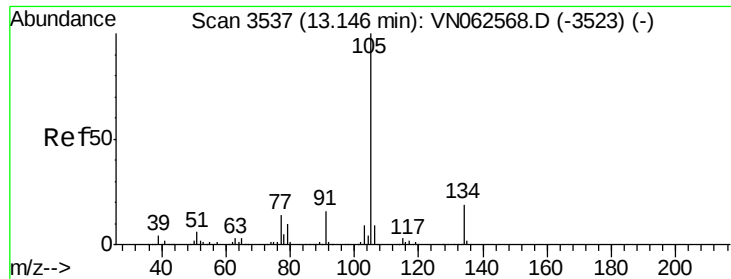
Tot Ion:119 Resp: 419821
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.6 103.8
 134 24.8 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.038 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion:105 Resp: 498392
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.3





#85

sec-Butylbenzene

Concen: 51.690 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

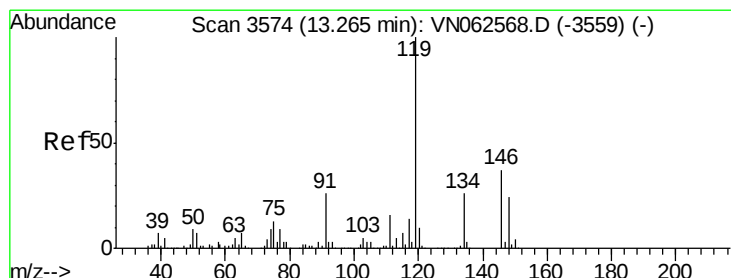
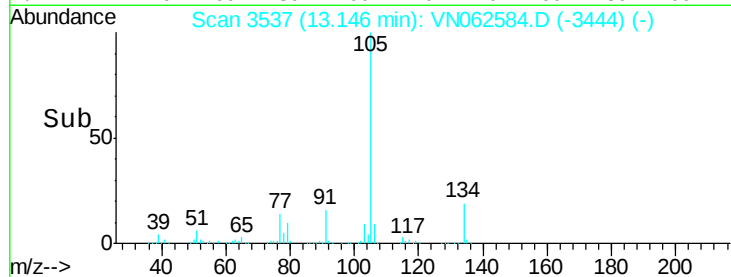
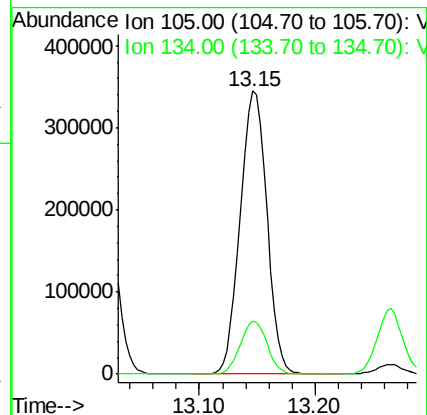
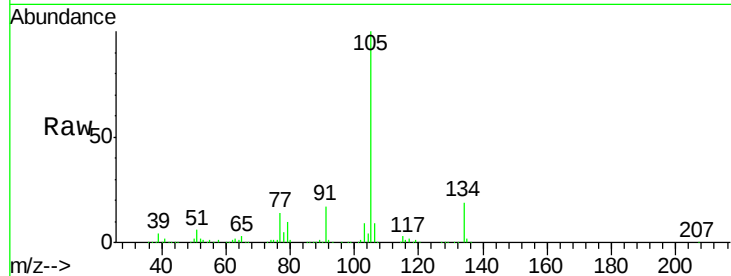
VSTDCCC050EC

Tot Ion:105 Resp: 550425

Ion Ratio Lower Upper

105 100

134 18.7 9.5 28.5



#86

p-Isopropyltoluene

Concen: 52.736 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

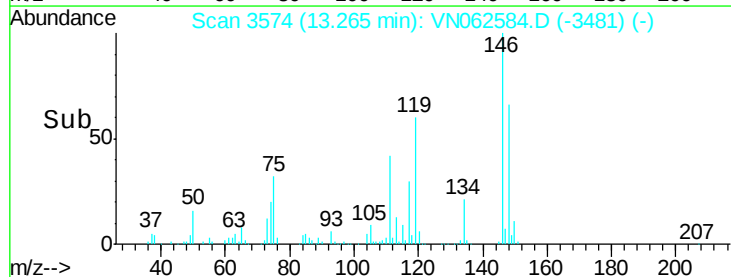
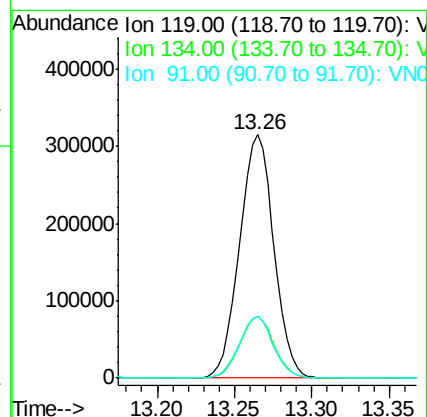
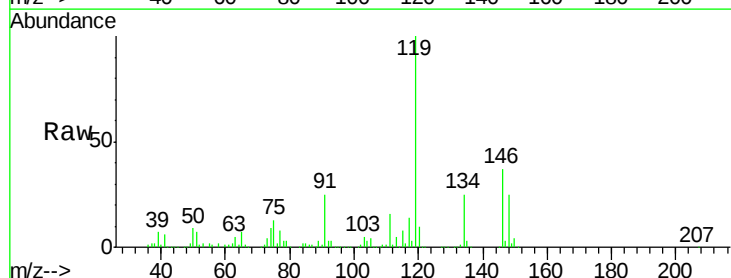
Tgt Ion:119 Resp: 482989

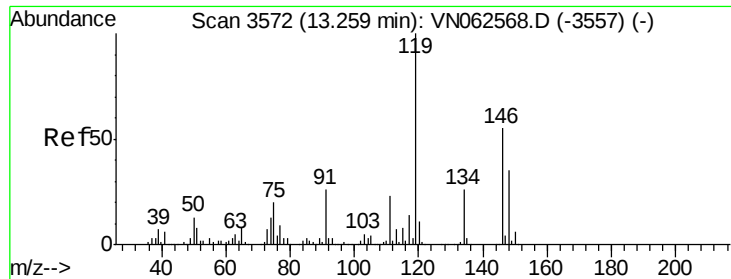
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 25.2 12.7 38.1

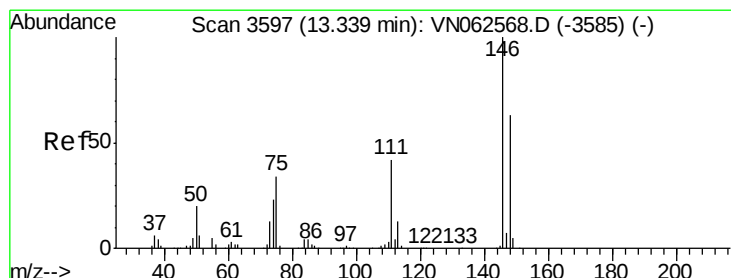
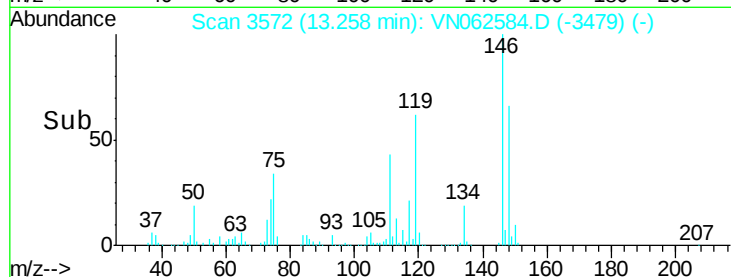
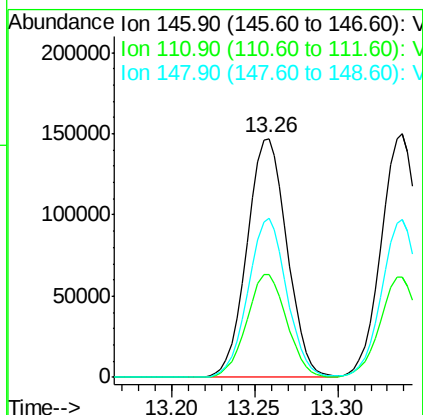
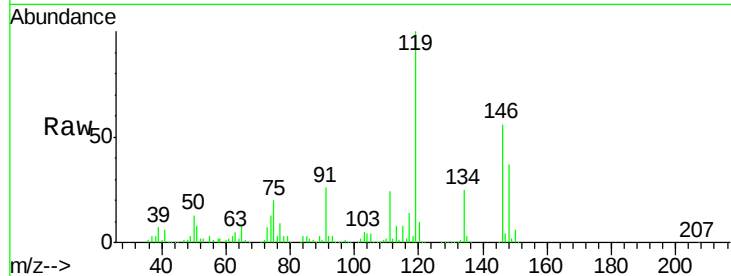




#87
 1,3-Dichlorobenzene
 Concen: 50.566 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

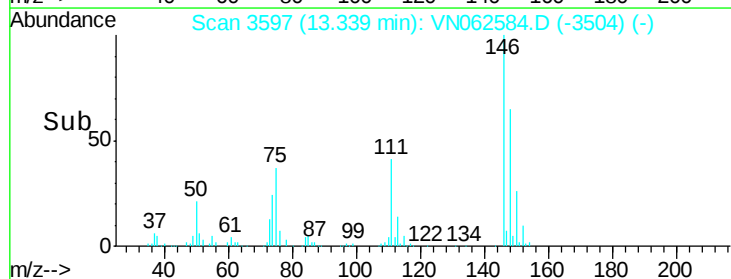
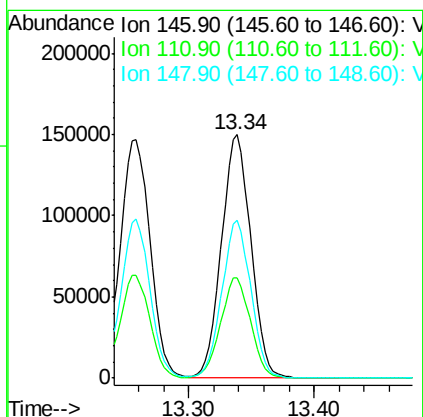
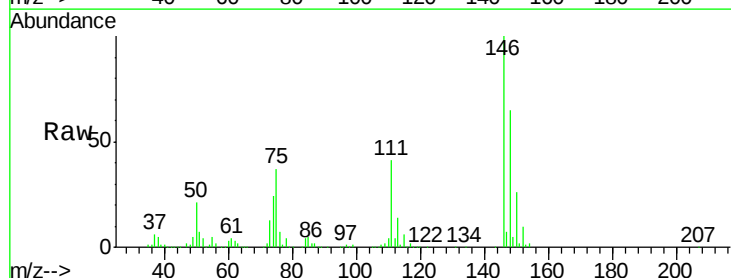
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

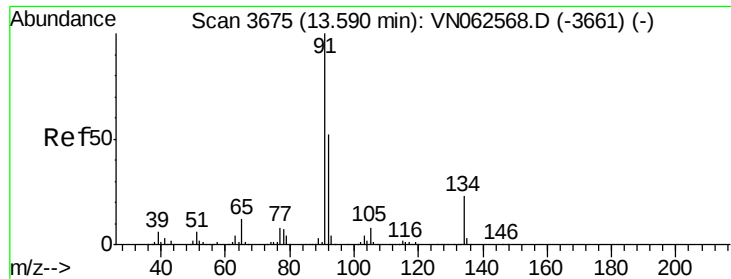
Tot Ion:146 Resp: 246254
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.6 64.6
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.877 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion:146 Resp: 243906
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.1
 148 63.9 31.6 94.8





#89

n-Butylbenzene

Concen: 50.507 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

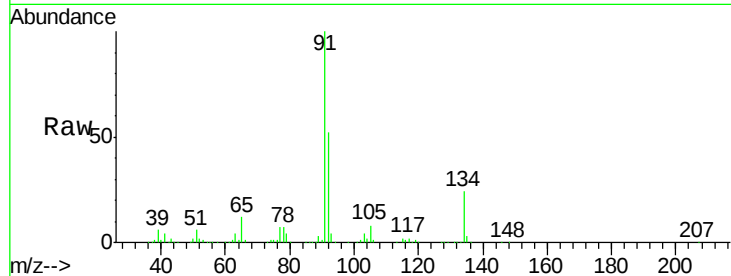
Tot Ion: 91 Resp: 397466

Ion Ratio Lower Upper

91 100

92 51.5 25.8 77.3

134 23.7 11.8 35.3

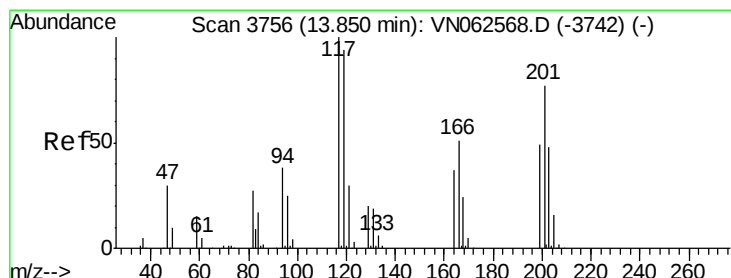
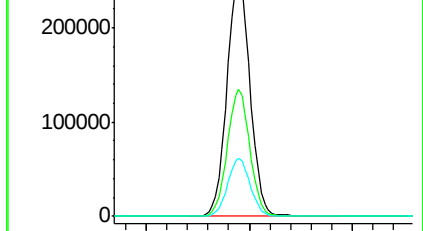
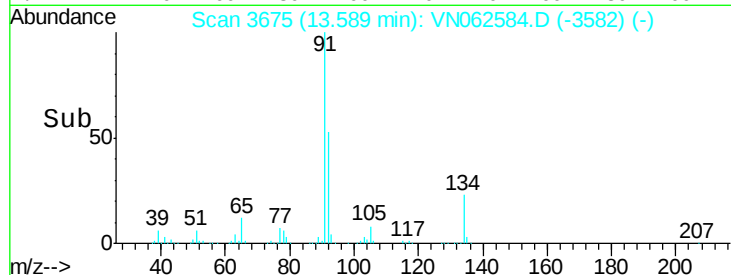


Abundance Ion 91.00 (90.70 to 91.70): VN062584.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062584.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062584.D (-3661) (-)

Time-->



#90

Hexachloroethane

Concen: 49.312 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062584.D

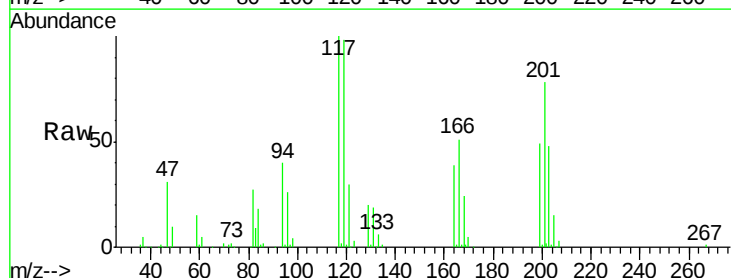
Acq: 21 Jul 2020 20:28

Tgt Ion: 117 Resp: 96144

Ion Ratio Lower Upper

117 100

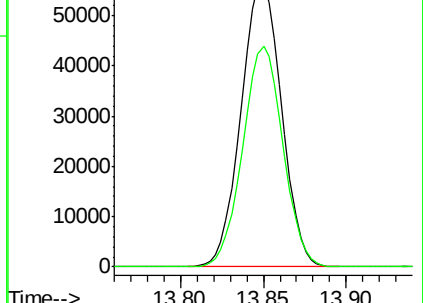
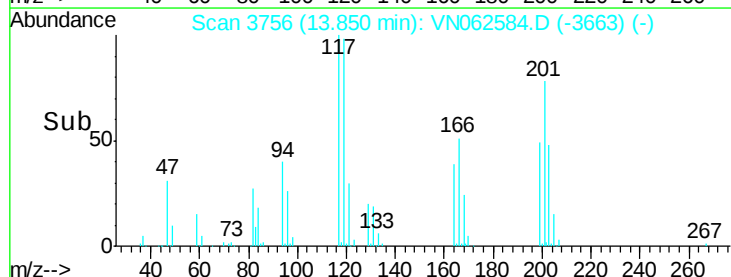
201 77.1 39.2 117.6

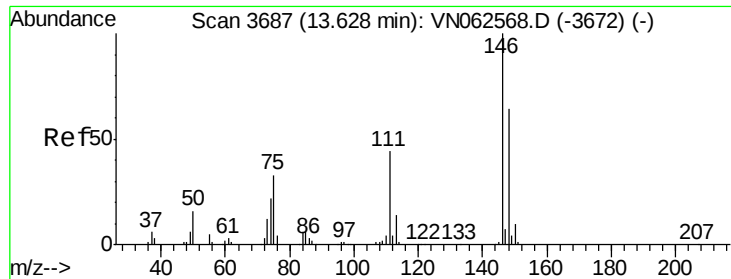


Abundance Ion 116.80 (116.50 to 117.50): VN062584.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062584.D (-3742) (-)

Time-->

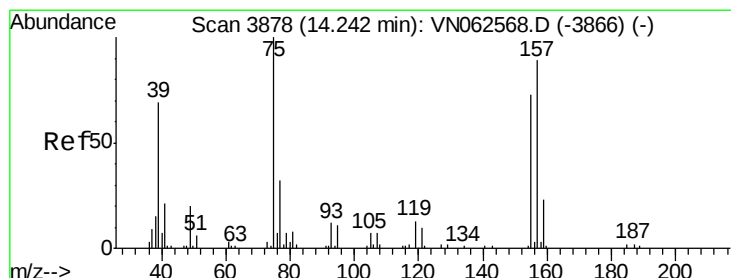
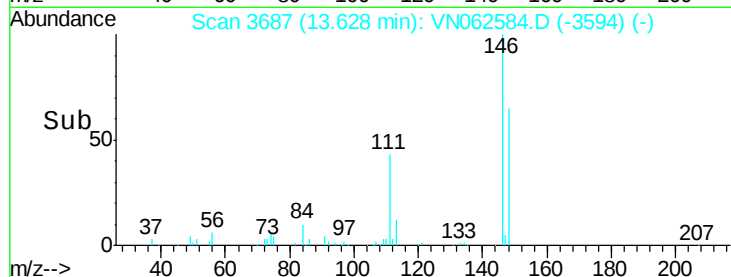
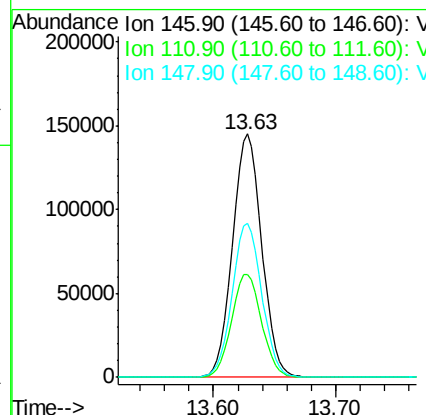
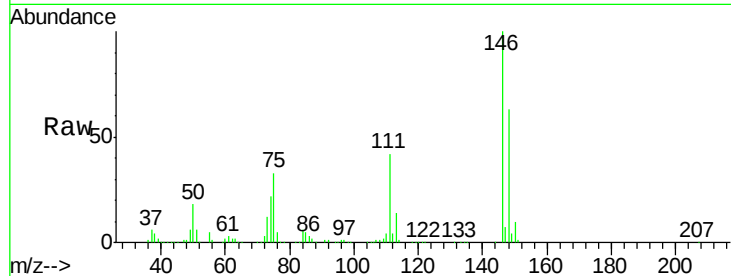




#91
 1,2-Dichlorobenzene
 Concen: 52.286 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

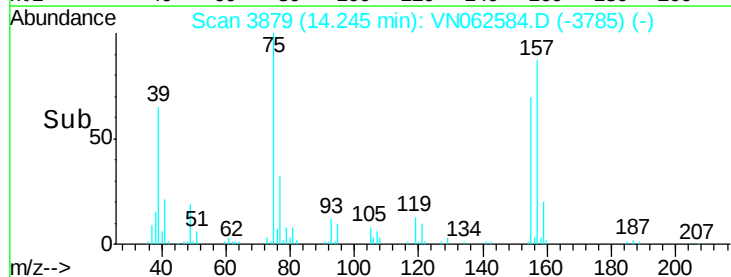
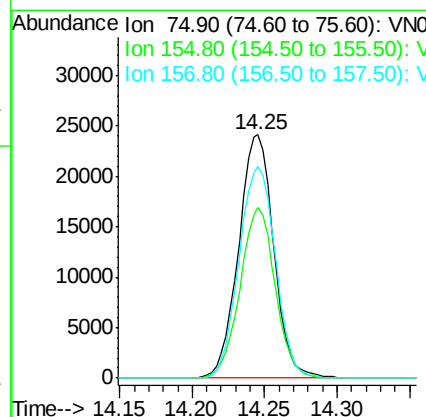
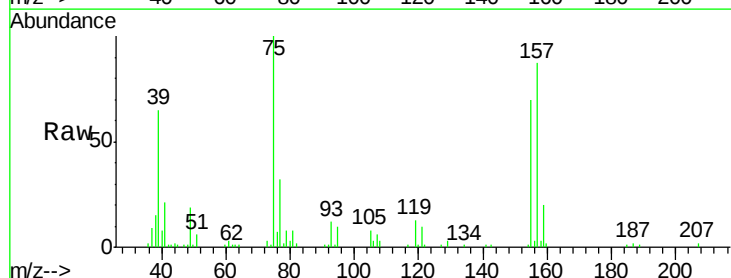
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

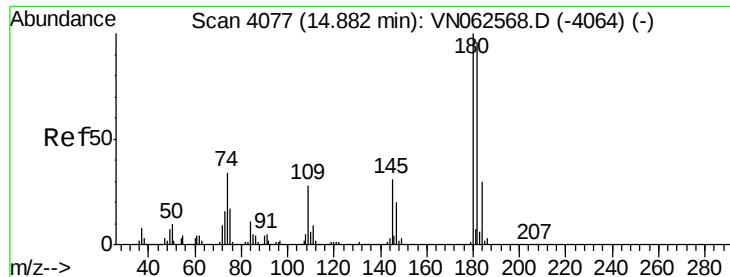
Tot Ion:146 Resp: 243474
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.9 65.8
 148 64.0 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.780 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 75 Resp: 40640
 Ion Ratio Lower Upper
 75 100
 155 70.0 35.9 107.5
 157 90.2 45.0 135.0

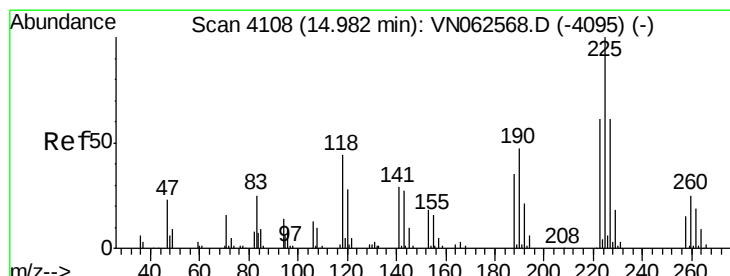
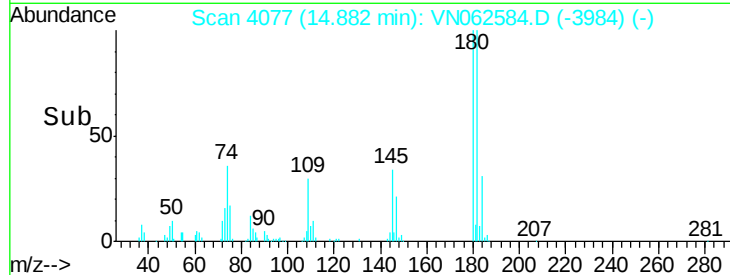
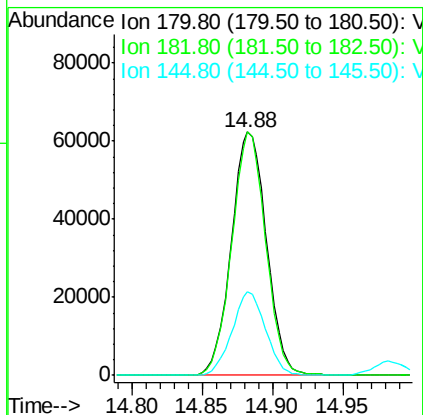
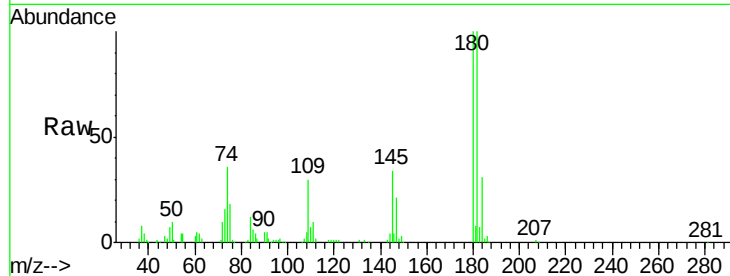




#93
 1,2,4-Trichlorobenzene
 Concen: 44.714 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

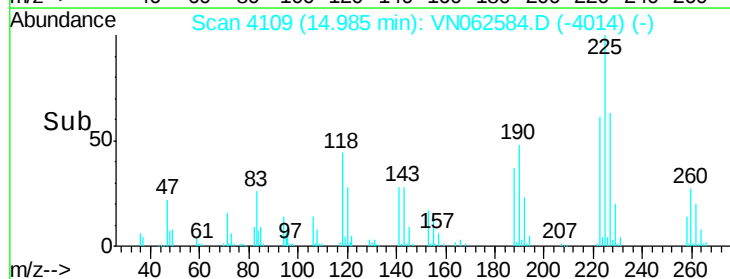
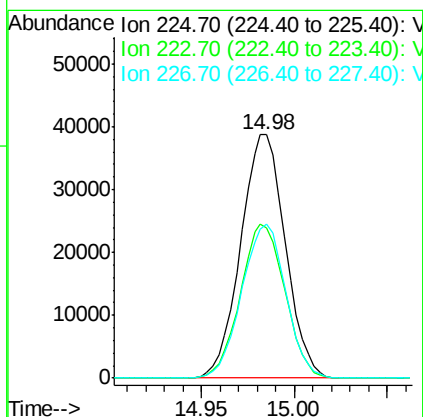
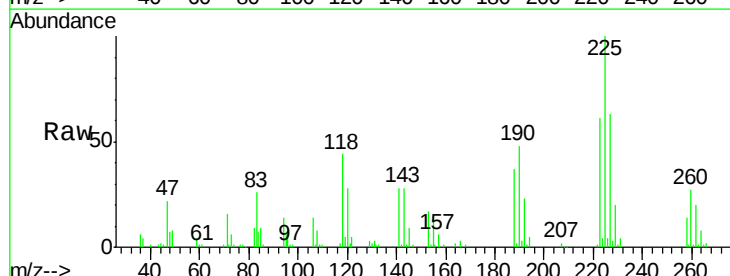
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

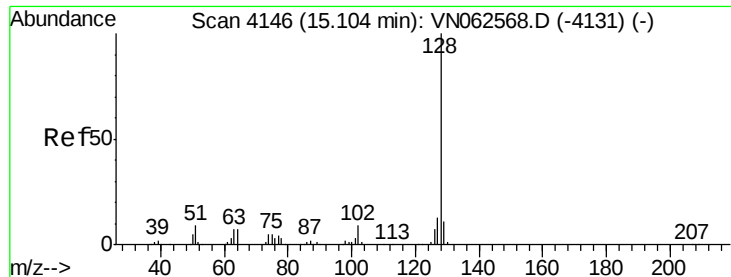
Tot Ion:180 Resp: 108622
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.8 143.3
 145 32.8 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 51.269 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062584.D
 Acq: 21 Jul 2020 20:28

Tgt Ion:225 Resp: 64572
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.0 96.0
 227 62.4 31.1 93.2





#95

Naphthalene

Concen: 46.061 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

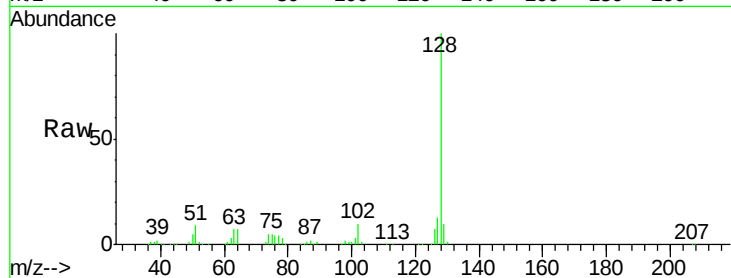
Tot Ion:128 Resp: 297073

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

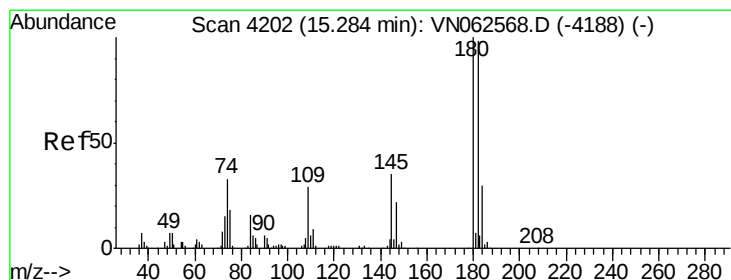
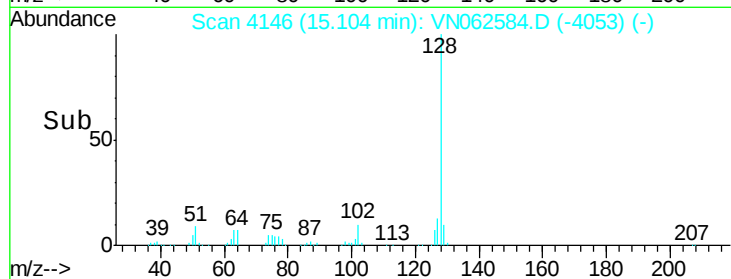
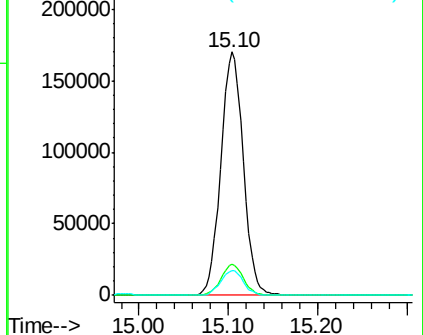
129 10.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.337 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062584.D

Acq: 21 Jul 2020 20:28

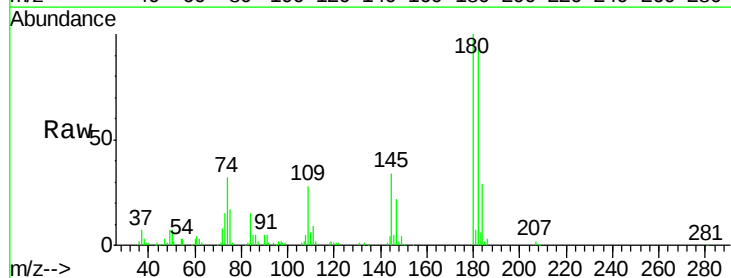
Tgt Ion:180 Resp: 114852

Ion Ratio Lower Upper

180 100

182 94.0 48.1 144.3

145 32.8 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

