

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071620\
 Data File : VN062542.D
 Acq On : 16 Jul 2020 12:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 16 18:43:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	42119	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	230279	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	213004	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	107533	29.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.07%
60) 4-Bromofluorobenzene	12.38	95	109990	30.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.13%
63) Toluene-d8	10.06	98	305474	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	56256	22.629 ug/l	98
3) Chloromethane	2.04	50	75083	20.917 ug/l	98
4) Vinyl Chloride	2.16	62	67516	21.517 ug/l	97
5) Bromomethane	2.53	94	35885	23.053 ug/l	98
6) Chloroethane	2.67	64	33758	21.854 ug/l	97
7) Trichlorofluoromethane	2.98	101	79681	21.667 ug/l	98
8) Diethyl Ether	3.37	74	37476	21.198 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53659	22.570 ug/l	97
10) 1,1-Dichloroethene	3.70	96	51924	21.408 ug/l	97
11) Methyl Iodide	3.91	142	65976	22.212 ug/l	94
12) Methyl Acetate	4.27	43	67523	20.758 ug/l	100
13) Acrolein	3.57	56	50467	103.841 ug/l	99
14) Acrylonitrile	4.93	53	157254	103.946 ug/l	99
15) Acetone	3.77	58	51481	110.853 ug/l	100
16) Carbon Disulfide	4.01	76	164585	20.823 ug/l	99
17) Allyl chloride	4.27	41	112644	21.838 ug/l	98
18) Methylene Chloride	4.50	84	64631	21.657 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	57310	21.349 ug/l	96
20) Diisopropyl ether	5.90	45	231470	21.829 ug/l	99
21) 1,1-Dichloroethane	5.79	63	121910	21.746 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	65618	21.675 ug/l	99
23) tert-Butyl Alcohol	4.73	59	54640	107.923 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	188636	21.096 ug/l	98
25) Chloroform	7.33	83	114484	22.268 ug/l	99
26) Cyclohexane	7.61	56	105178	21.286 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	85712	21.943 ug/l	99
30) 2-Butanone	6.78	43	227160	109.657 ug/l	99
31) 2,2-Dichloropropane	6.77	77	99379	22.564 ug/l	# 72
32) 1,1,1-Trichloroethane	7.53	97	94392	22.484 ug/l	99
33) Carbon Tetrachloride	7.73	117	81941	22.516 ug/l	99
34) Benzene	8.00	78	260360	22.436 ug/l	99
35) Methacrylonitrile	7.12	41	34456	18.935 ug/l	98
36) 1,2-Dichloroethane	8.08	62	94354	22.622 ug/l	100
37) Trichloroethene	8.80	130	58303	22.368 ug/l	99
38) Methylcyclohexane	9.05	83	94704	21.613 ug/l	98
39) 1,2-Dichloropropane	9.08	63	73734	22.303 ug/l	98
40) Dibromomethane	9.17	93	43392	22.774 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	90998	22.517	ug/l	99
42) Vinyl Acetate	5.84	43	948941	110.236	ug/l	100
43) Ethyl Acetate	6.88	43	91151	21.886	ug/l	100
44) Isopropyl Acetate	8.12	43	149685	21.421	ug/l	99
45) 1,4-Dioxane	9.17	88	21616	452.216	ug/l	97
46) Methyl methacrylate	9.17	41	73674	22.224	ug/l	98
47) n-amyl Acetate	12.05	43	123656	20.993	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	102246	21.692	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	110948	21.805	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	60674	22.718	ug/l	97
51) Ethyl methacrylate	10.40	69	94366	20.986	ug/l	99
52) 1,3-Dichloropropane	10.68	76	109603	22.361	ug/l	100
53) Dibromochloromethane	10.87	129	65691	22.576	ug/l	99
54) 1,2-Dibromoethane	10.98	107	59228	21.667	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	72609	50.557	ug/l	100
56) Bromoform	12.10	173	44120	22.199	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	452030	108.923	ug/l	100
59) 2-Hexanone	10.72	43	335058	110.086	ug/l	100
61) Tetrachloroethene	10.60	164	50395	23.103	ug/l	99
62) Toluene	10.12	91	271528	22.470	ug/l	100
64) Chlorobenzene	11.41	112	159154	22.414	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	58729	22.345	ug/l	98
66) Ethyl Benzene	11.48	91	293628	21.943	ug/l	99
67) m/p-Xylenes	11.59	106	215117	44.291	ug/l	99
68) o-Xylene	11.92	106	100708	21.606	ug/l	99
69) Styrene	11.94	104	174788	22.094	ug/l	99
70) Isopropylbenzene	12.22	105	278193	22.233	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	90387	22.351	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	78921m	20.063	ug/l	
73) Bromobenzene	12.50	156	65201	22.500	ug/l	96
74) n-propylbenzene	12.56	91	329421	22.149	ug/l	100
75) 2-Chlorotoluene	12.65	91	197866	22.096	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	237862	22.311	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	29597	20.118	ug/l	95
78) 4-Chlorotoluene	12.75	91	200601	21.954	ug/l	99
79) tert-butylbenzene	12.97	119	192405	21.794	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	229978	21.933	ug/l	99
81) sec-Butylbenzene	13.15	105	262703	22.158	ug/l	100
82) p-Isopropyltoluene	13.26	119	229098	21.897	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	112733	22.401	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	111317	22.416	ug/l	97
85) n-Butylbenzene	13.59	91	190721	21.251	ug/l	99
86) Hexachloroethane	13.85	117	44567	22.075	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	109478	22.623	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	16432	21.516	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	49837	20.686	ug/l	98
90) Hexachlorobutadiene	14.98	225	31301	23.425	ug/l	97
91) Naphthalene	15.10	128	126546	19.373	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	51947	21.394	ug/l	98

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QLast Update : Tue Jul 14 00:52:57 2020
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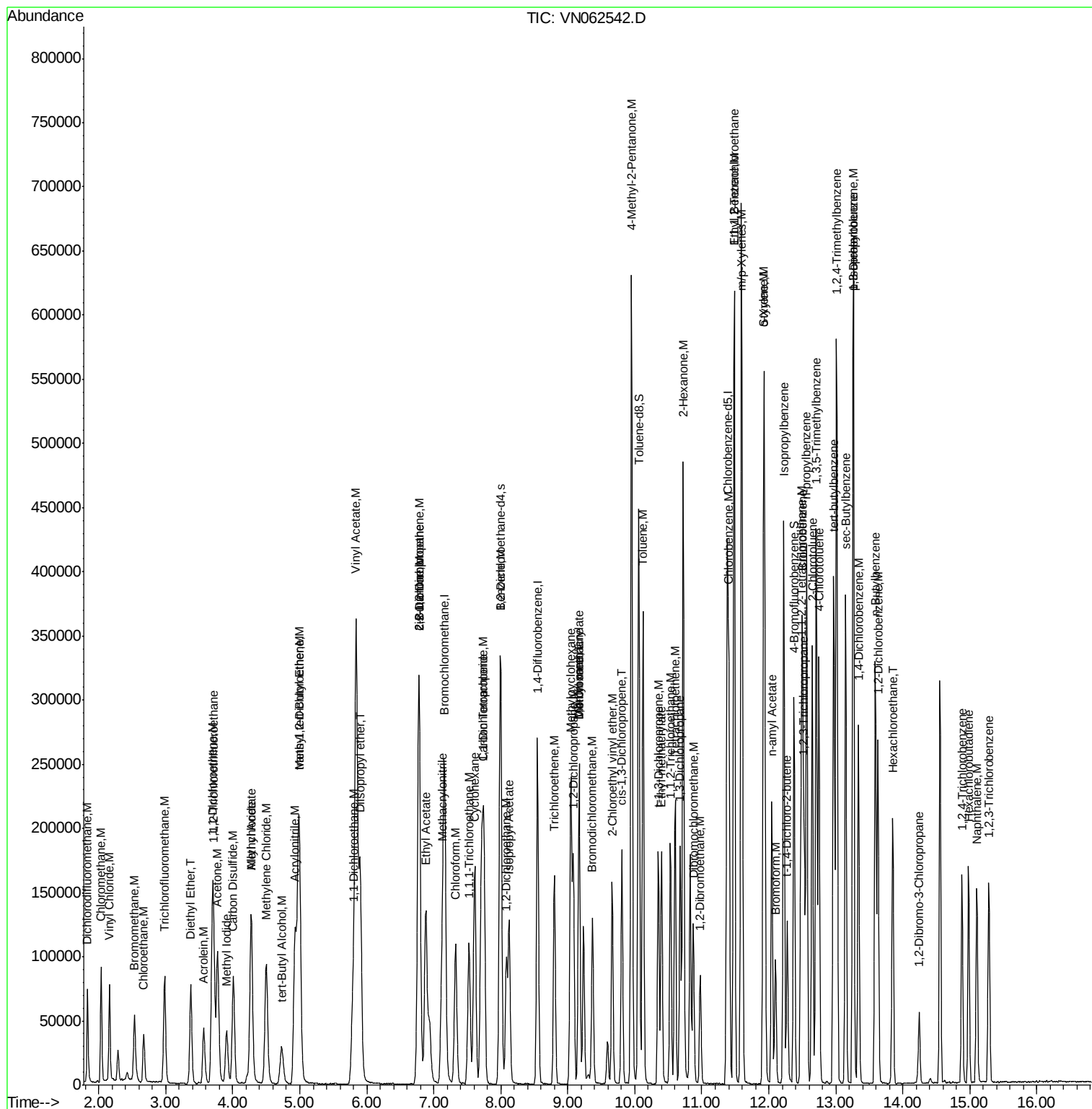
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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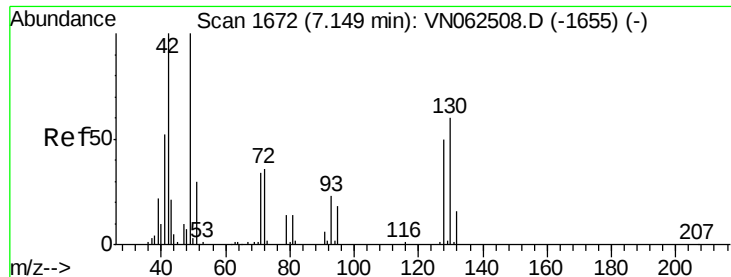
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071620\
Data File : VN062542.D
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jul 16 18:43:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

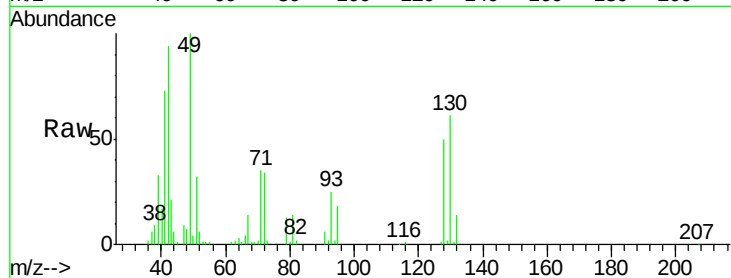
Tot Ion:128 Resp: 42119

Ion Ratio Lower Upper

128 100

49 208.6 0.0 525.0

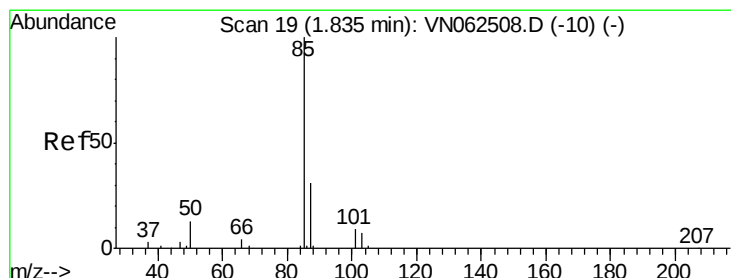
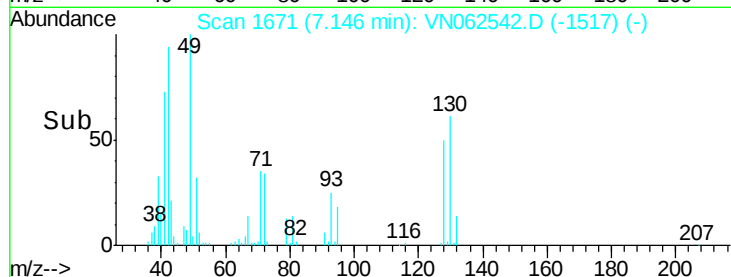
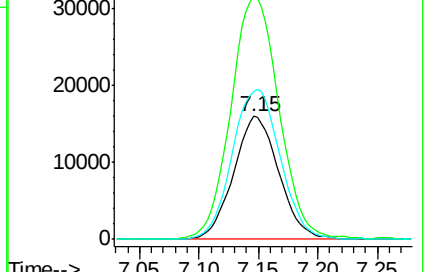
130 129.3 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.629 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062542.D

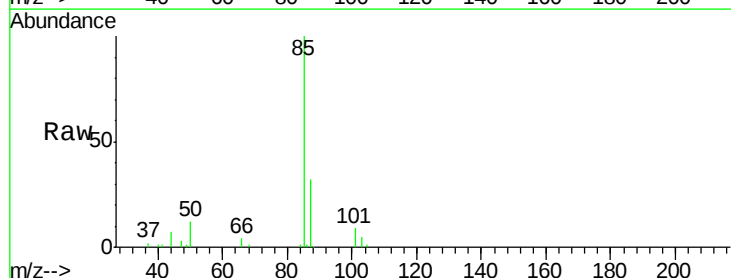
Acq: 16 Jul 2020 12:18

Tgt Ion: 85 Resp: 56256

Ion Ratio Lower Upper

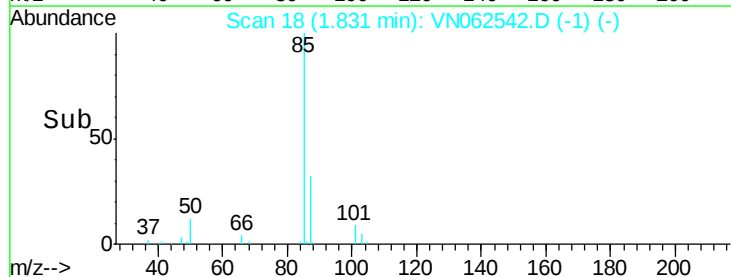
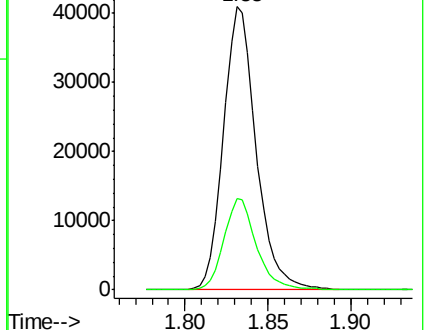
85 100

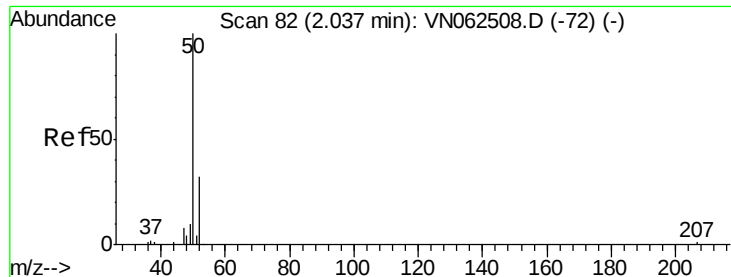
87 32.4 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.917 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

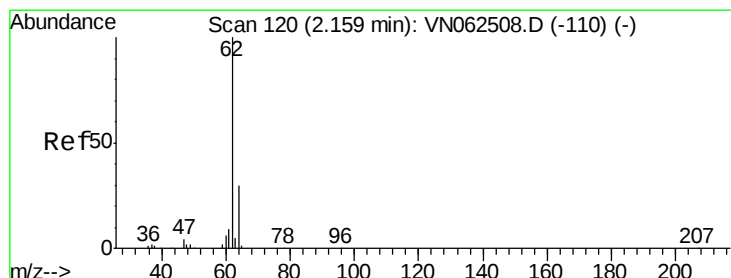
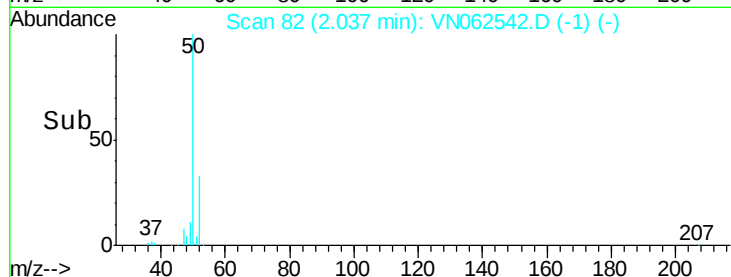
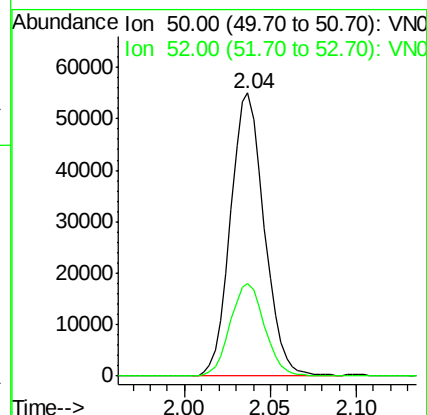
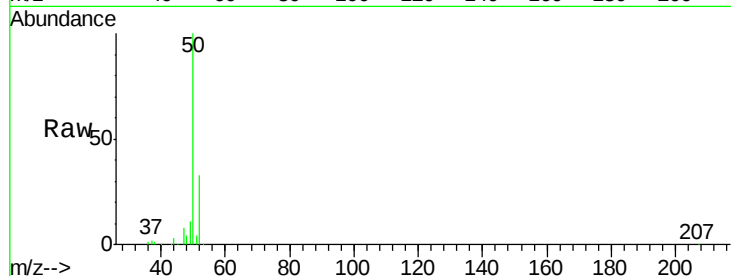
VSTDCCC020

Tot Ion: 50 Resp: 75083

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2



#4

Vinyl Chloride

Concen: 21.517 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062542.D

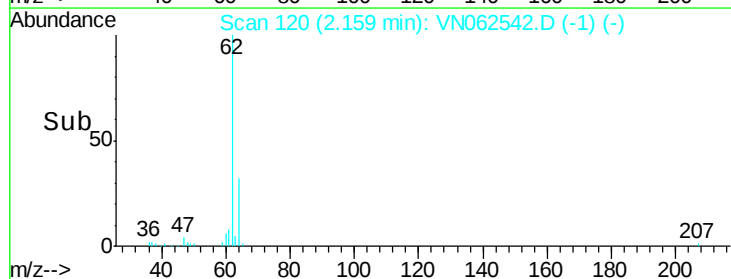
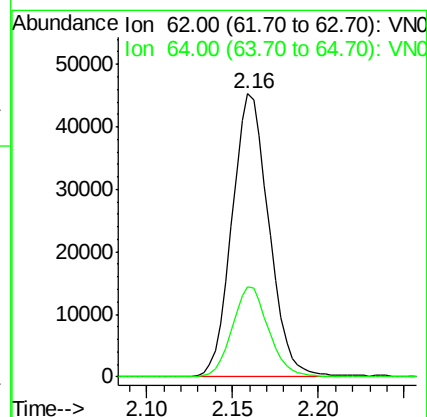
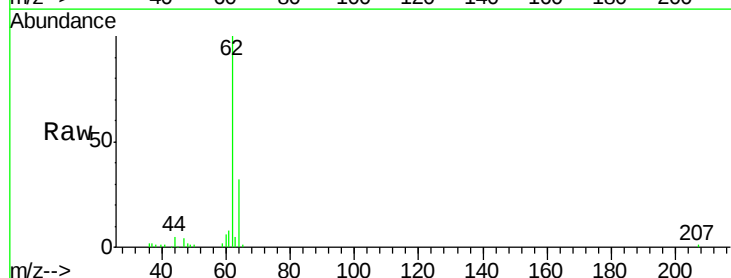
Acq: 16 Jul 2020 12:18

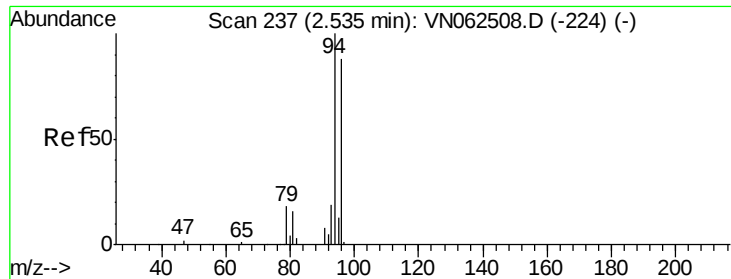
Tgt Ion: 62 Resp: 67516

Ion Ratio Lower Upper

62 100

64 31.9 24.3 36.5





#5

Bromomethane

Concen: 23.053 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

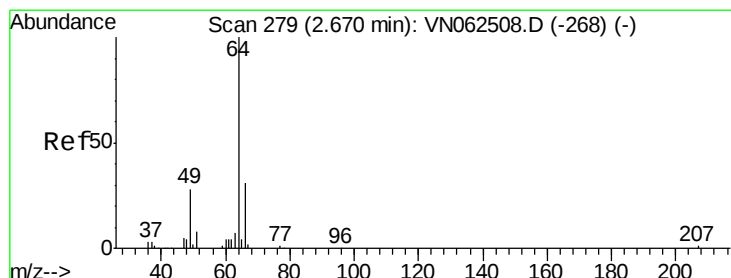
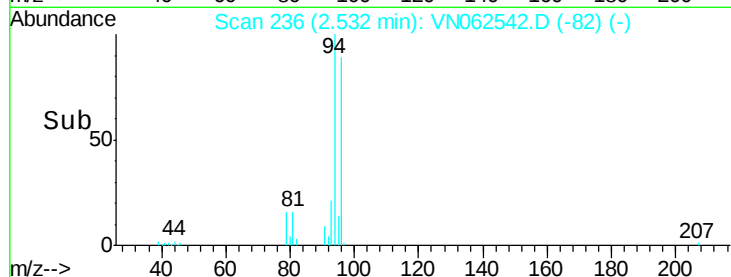
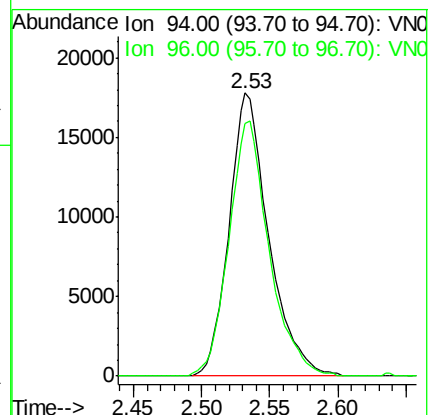
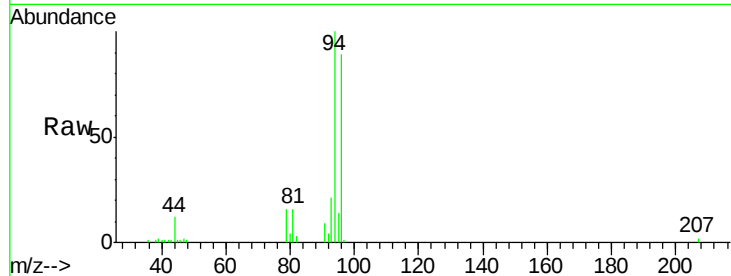
VSTDCCC020

Tot Ion: 94 Resp: 35885

Ion Ratio Lower Upper

94 100

96 89.4 70.2 105.4



#6

Chloroethane

Concen: 21.854 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN062542.D

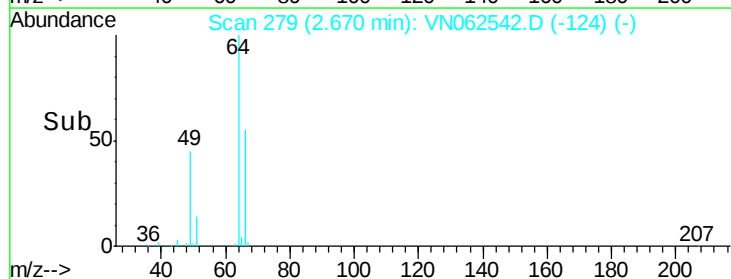
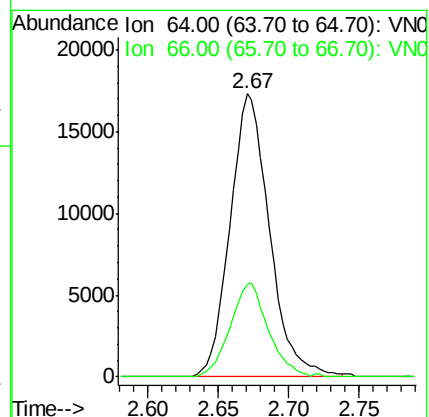
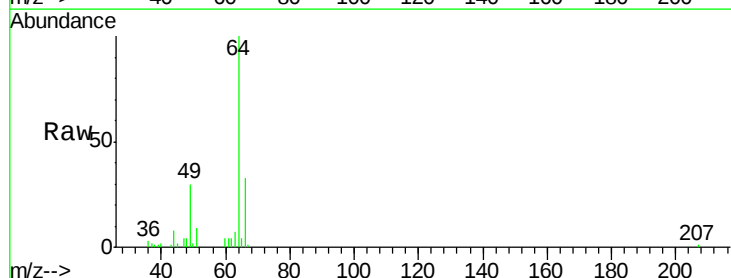
Acq: 16 Jul 2020 12:18

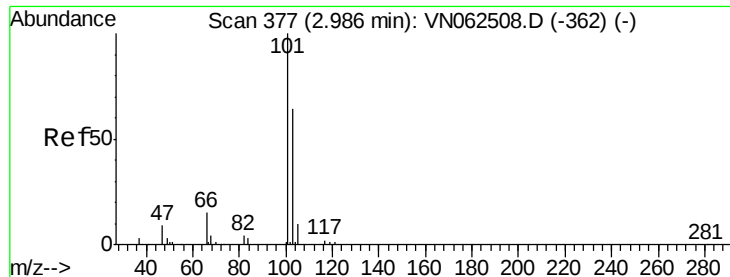
Tgt Ion: 64 Resp: 33758

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3



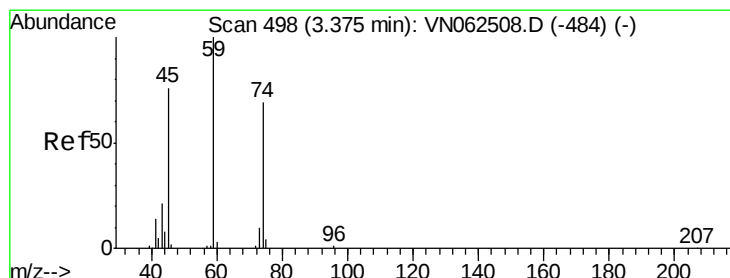
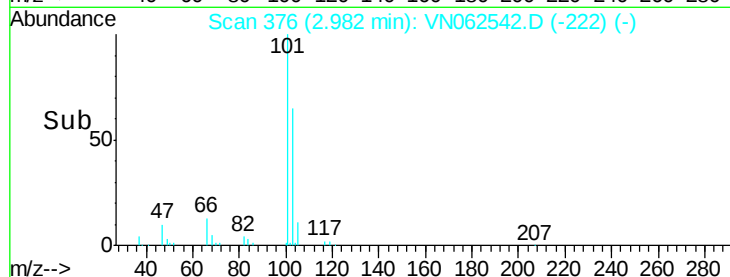
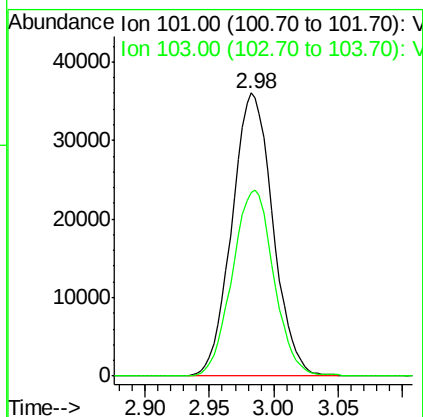
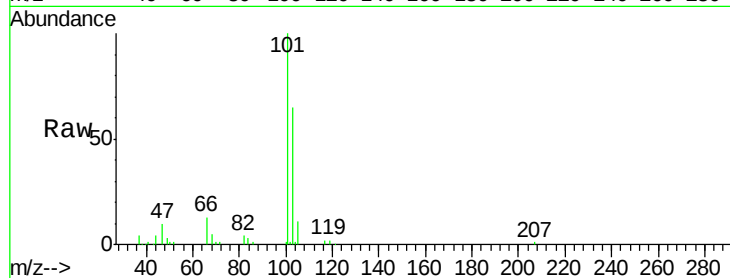


#7

Trichlorofluoromethane
Concen: 21.667 ug/l
RT: 2.98 min Scan# 376
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

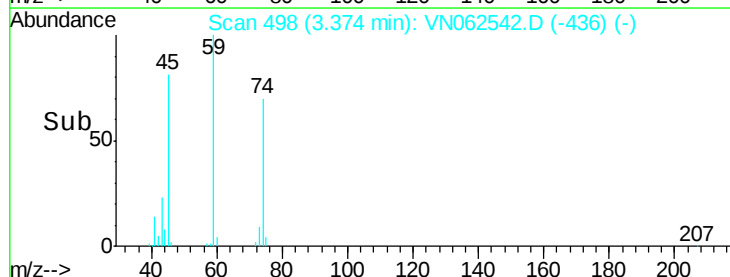
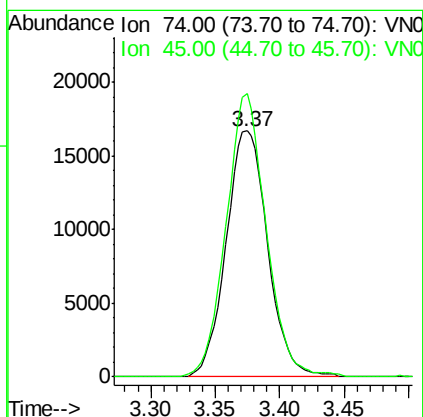
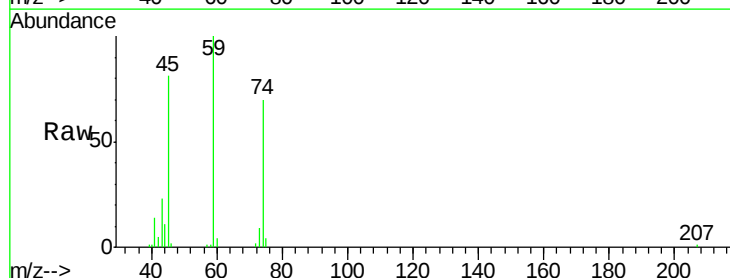
Tot Ion:101 Resp: 79681
Ion Ratio Lower Upper
101 100
103 65.0 50.9 76.3

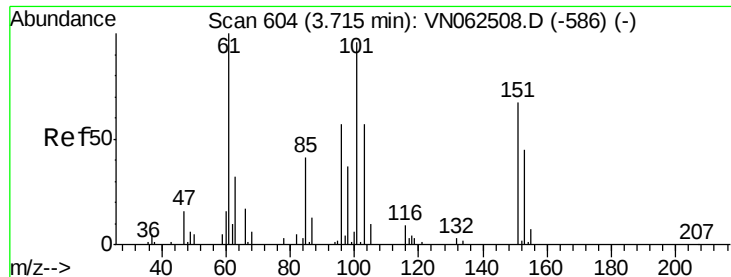


#8

Diethyl Ether
Concen: 21.198 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 74 Resp: 37476
Ion Ratio Lower Upper
74 100
45 110.4 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.570 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

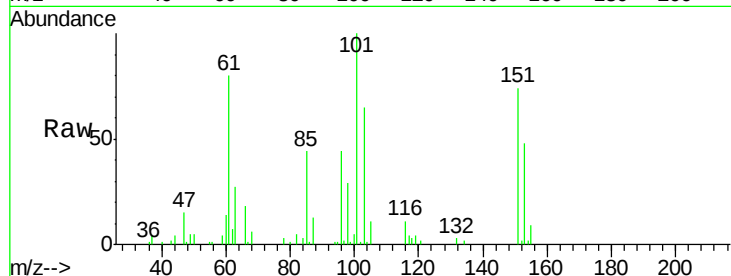
Tot Ion:101 Resp: 53659

Ion Ratio Lower Upper

101 100

85 44.9 0.0 90.4

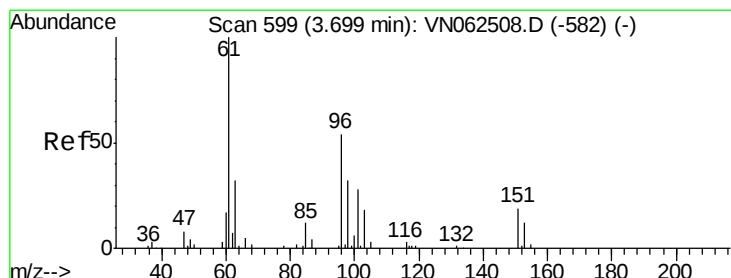
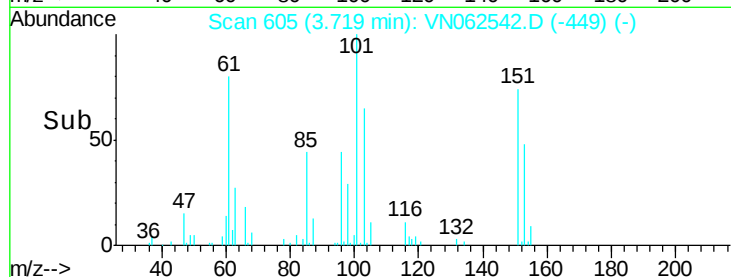
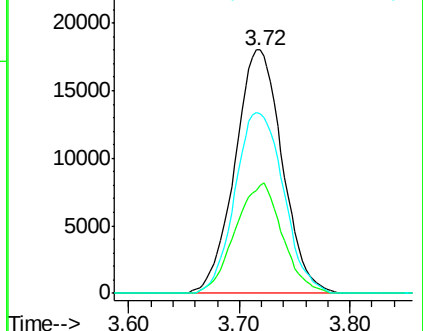
151 76.1 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.408 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

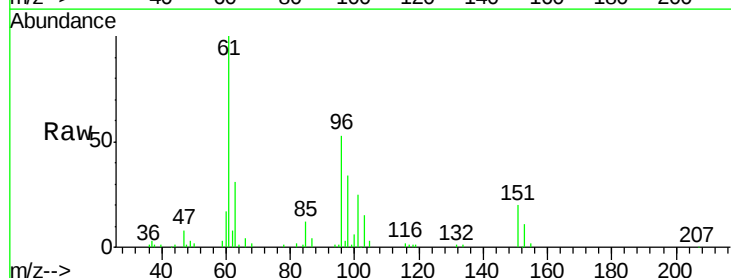
Tgt Ion: 96 Resp: 51924

Ion Ratio Lower Upper

96 100

61 187.0 147.8 221.8

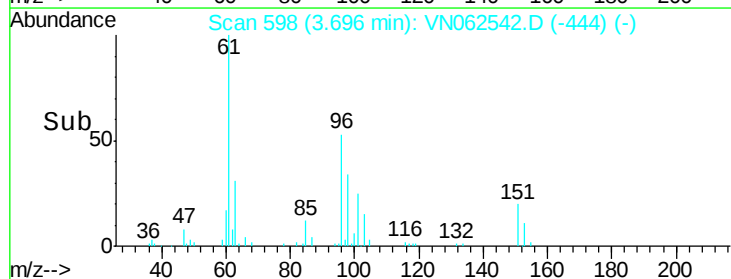
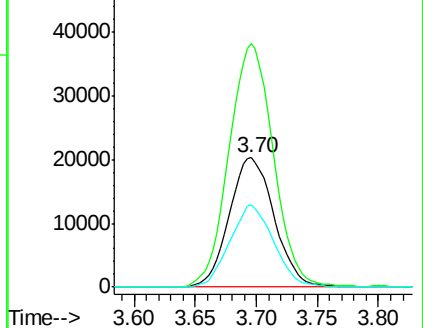
98 64.0 47.8 71.8

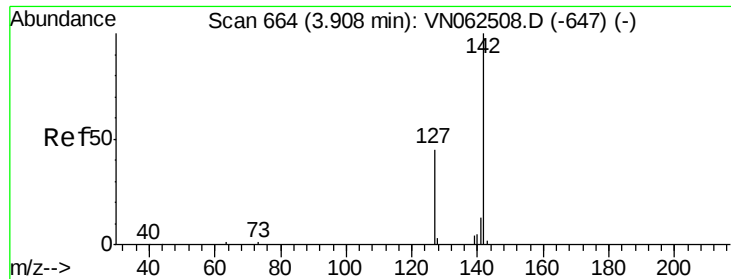


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

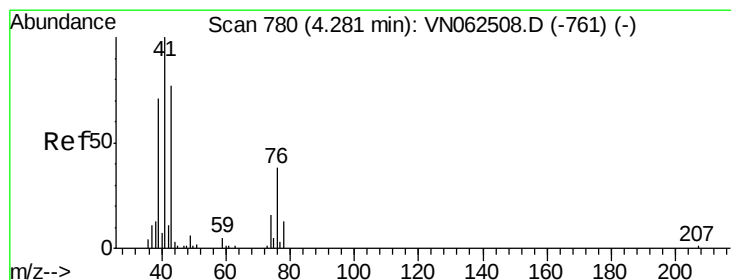
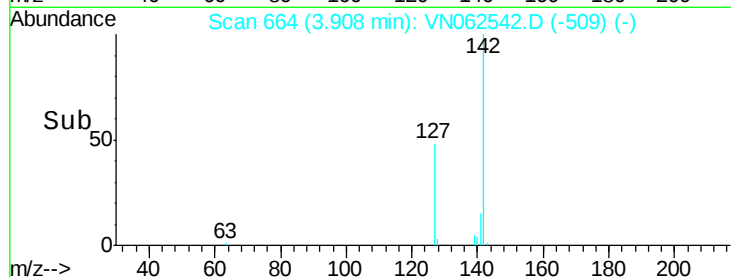
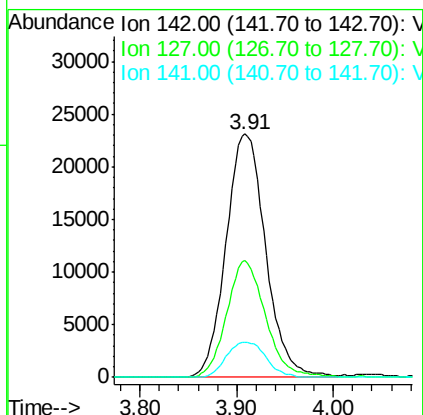
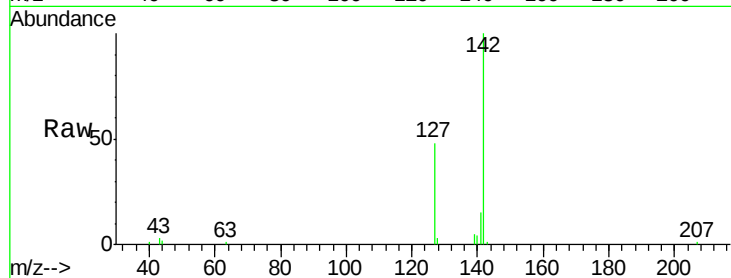




#11
Methvl Iodide
Concen: 22.212 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

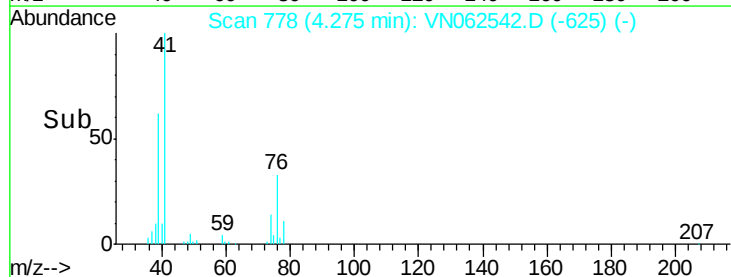
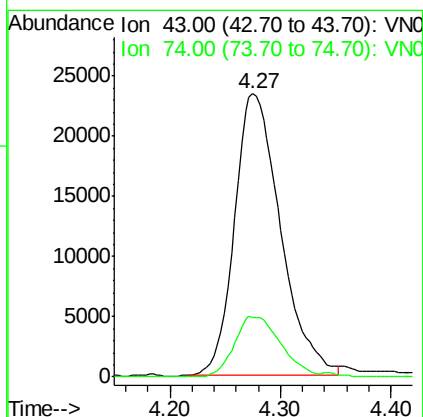
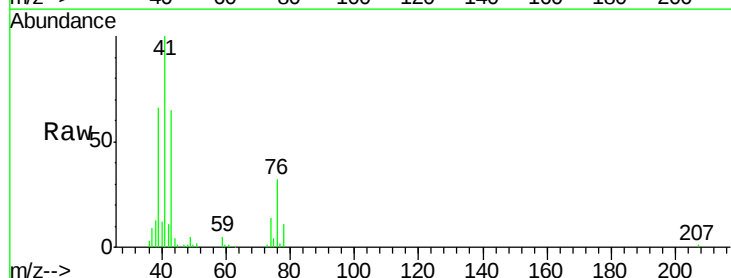
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

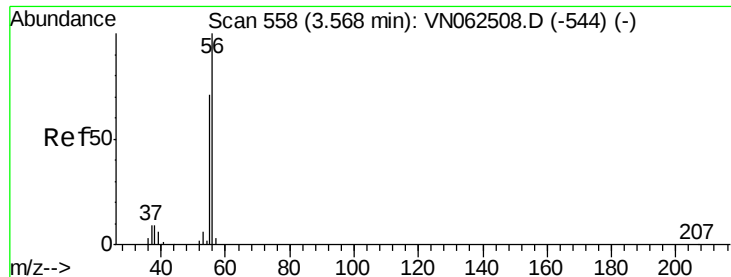
Tot Ion:142 Resp: 65976
Ion Ratio Lower Upper
142 100
127 48.5 22.1 66.5
141 14.7 6.5 19.4



#12
Methyl Acetate
Concen: 20.758 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 43 Resp: 67523
Ion Ratio Lower Upper
43 100
74 21.1 16.7 25.1





#13

Acrolein

Concen: 103.841 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

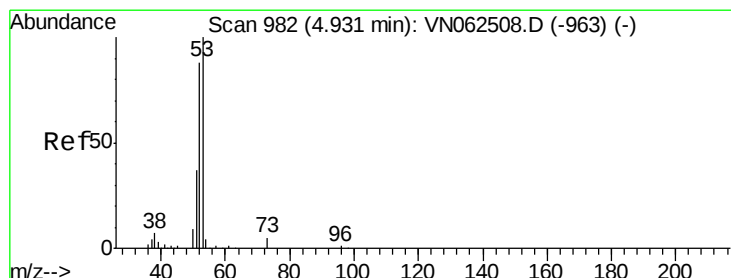
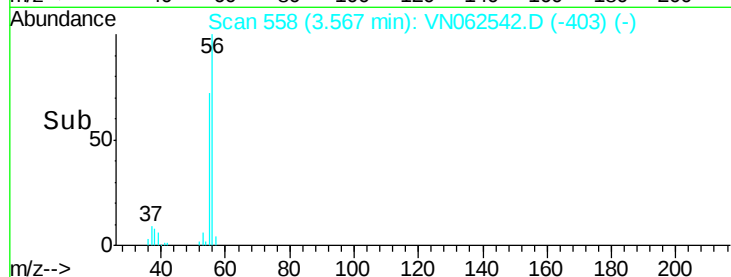
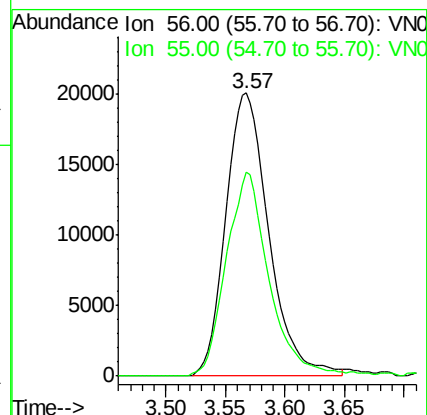
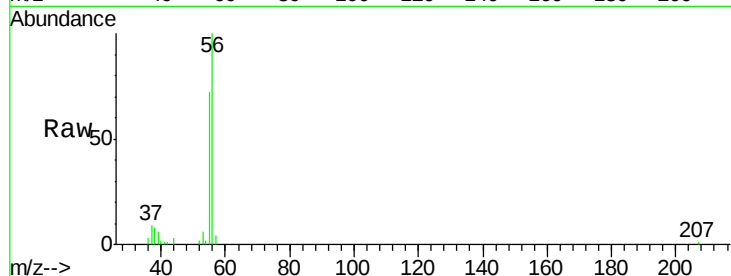
VSTDCCC020

Tot Ion: 56 Resp: 50467

Ion Ratio Lower Upper

56 100

55 70.9 56.0 84.0



#14

Acrylonitrile

Concen: 103.946 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

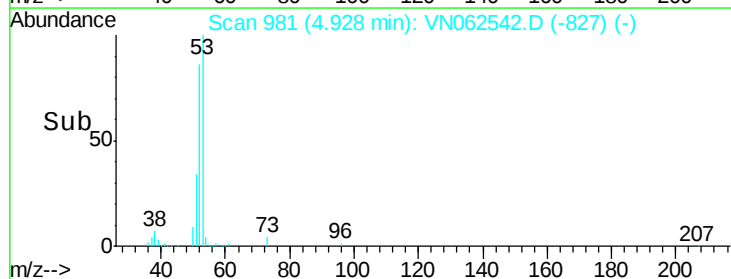
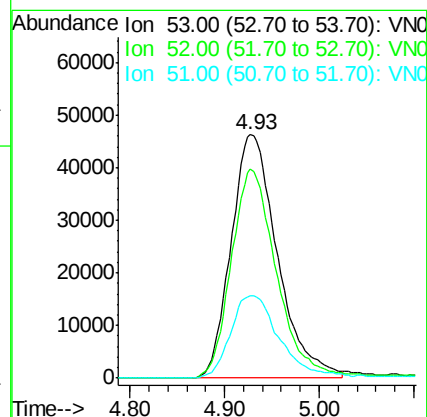
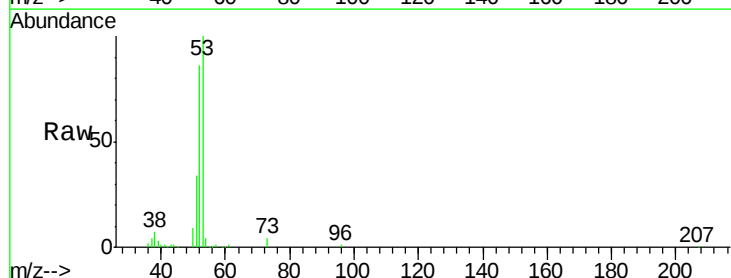
Tgt Ion: 53 Resp: 157254

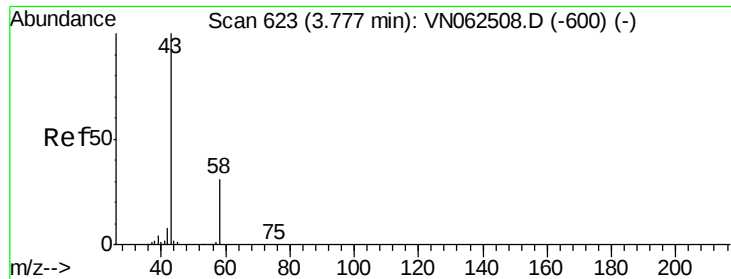
Ion Ratio Lower Upper

53 100

52 84.2 41.8 125.4

51 35.8 18.5 55.5





#15

Acetone

Concen: 110.853 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

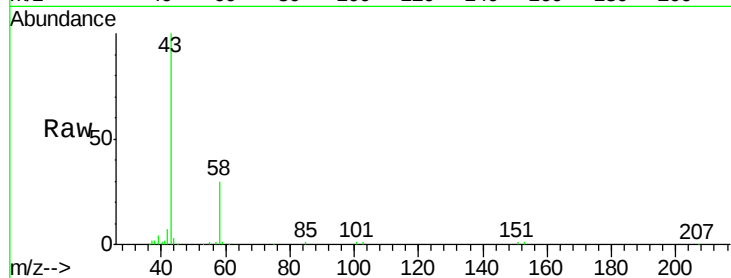
VSTDCCC020

Tot Ion: 58 Resp: 51481

Ion Ratio Lower Upper

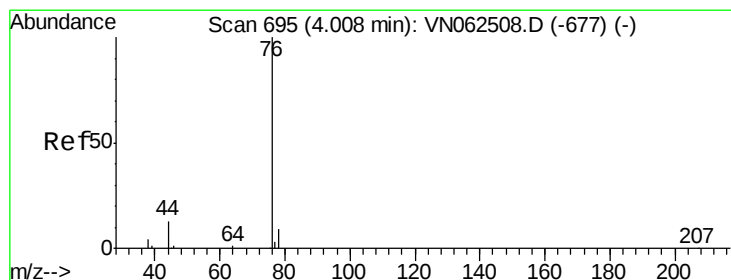
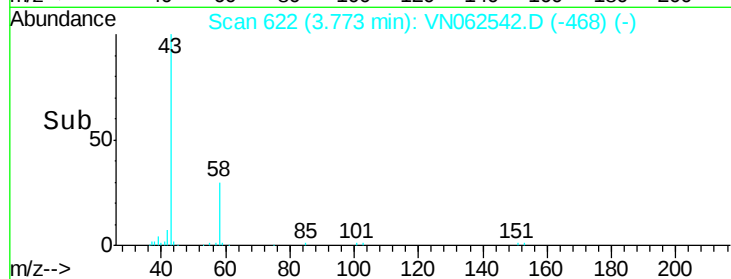
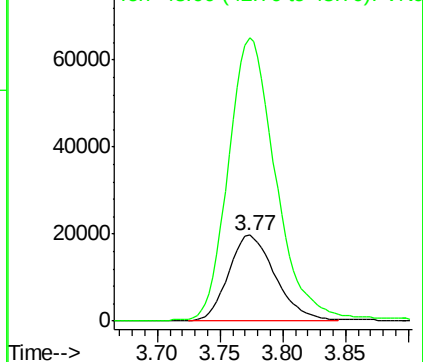
58 100

43 326.6 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.823 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062542.D

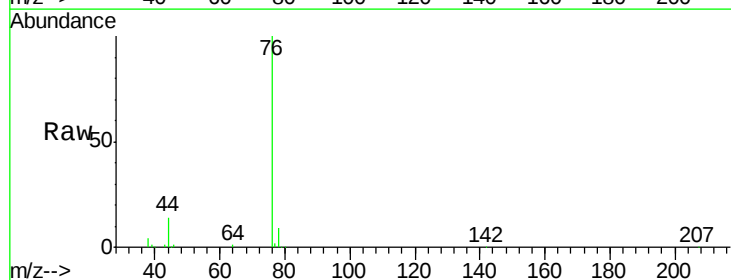
Acq: 16 Jul 2020 12:18

Tgt Ion: 76 Resp: 164585

Ion Ratio Lower Upper

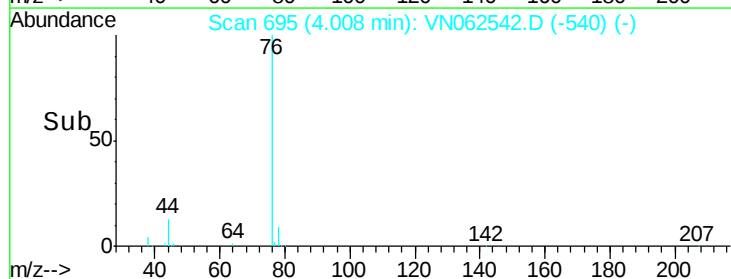
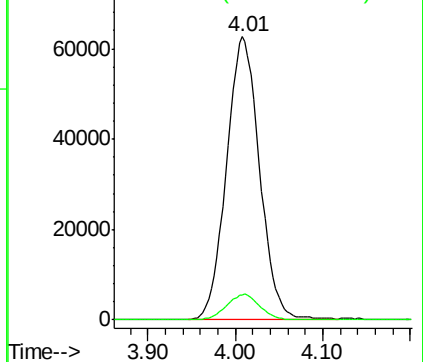
76 100

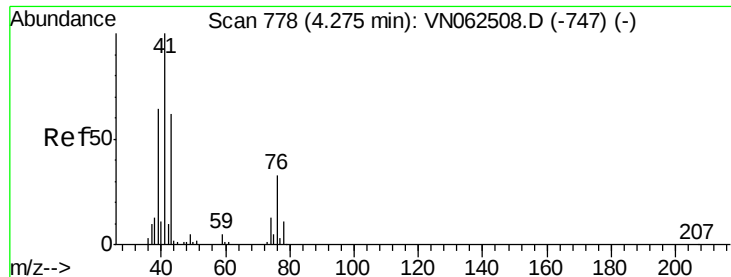
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

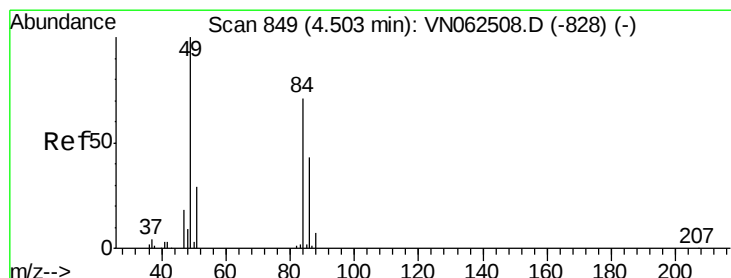
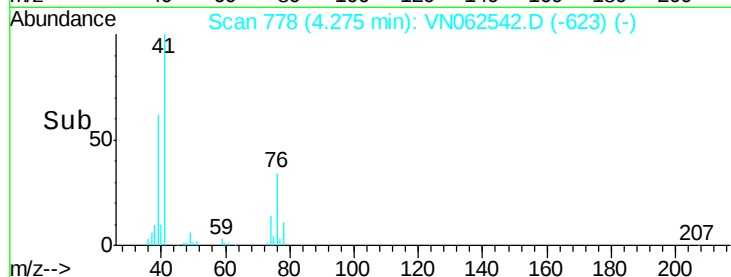
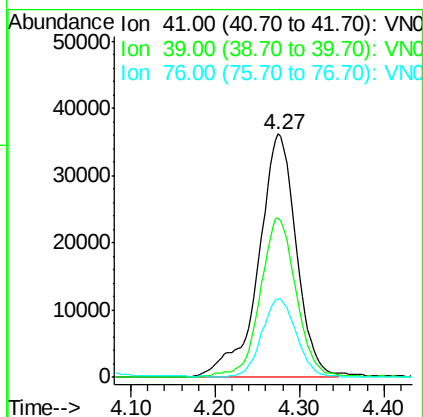
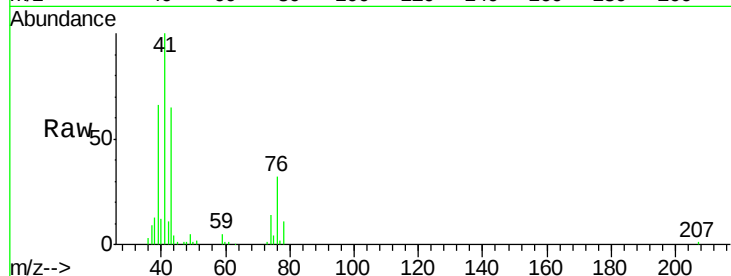




#17
Allvl chloride
Concen: 21.838 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

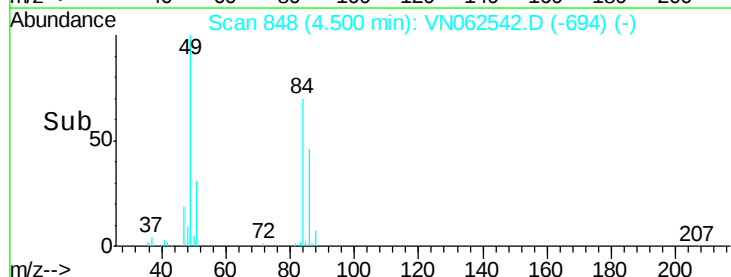
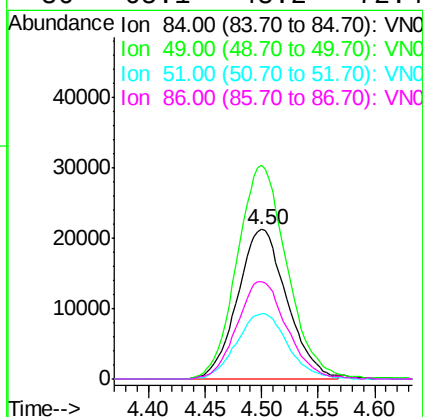
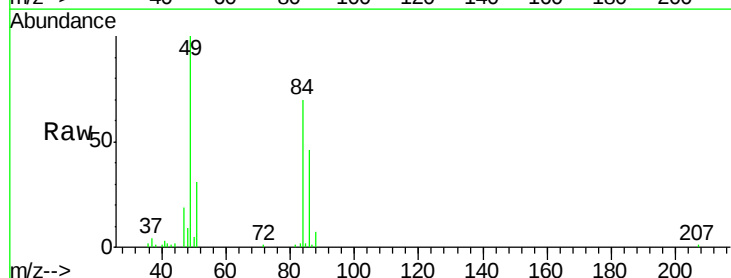
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

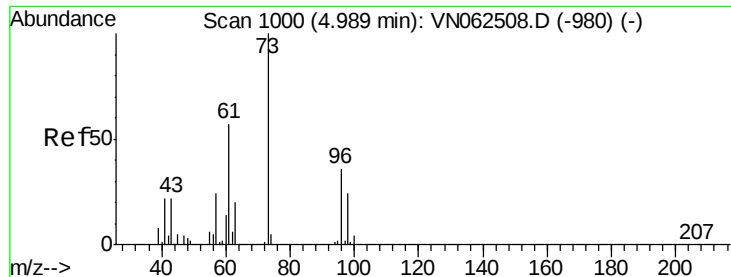
Tot Ion: 41 Resp: 112644
Ion Ratio Lower Upper
41 100
39 65.6 31.9 95.5
76 32.3 16.6 49.8



#18
Methylene Chloride
Concen: 21.657 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 84 Resp: 64631
Ion Ratio Lower Upper
84 100
49 142.7 112.1 168.1
51 43.6 33.0 49.4
86 65.1 48.2 72.4

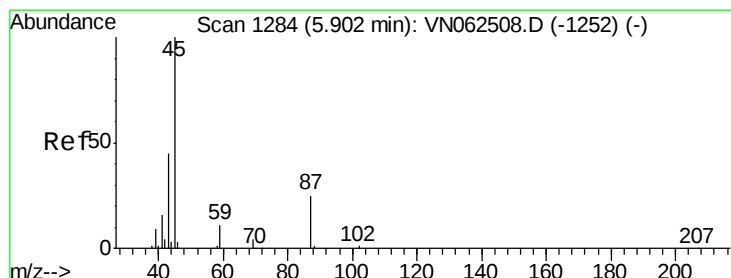
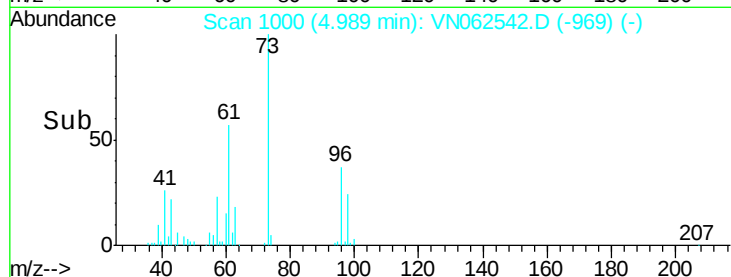
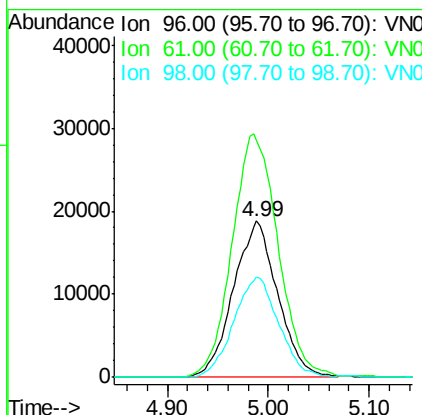
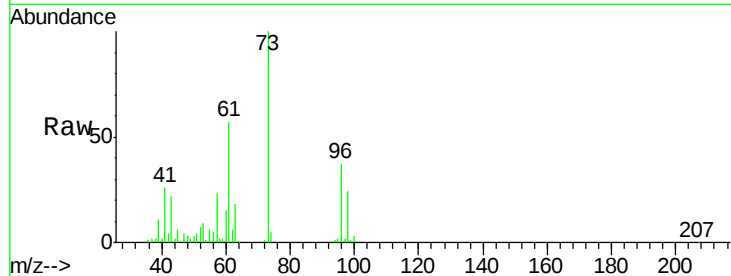




#19
trans-1,2-Dichloroethene
Concen: 21.349 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

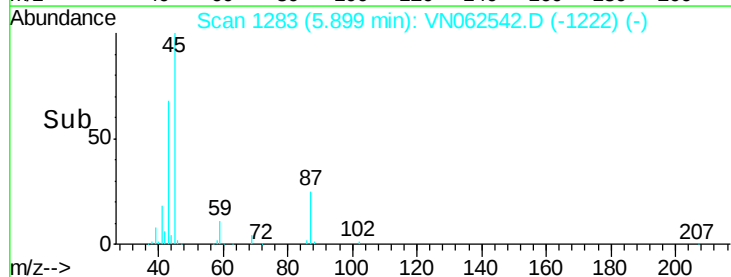
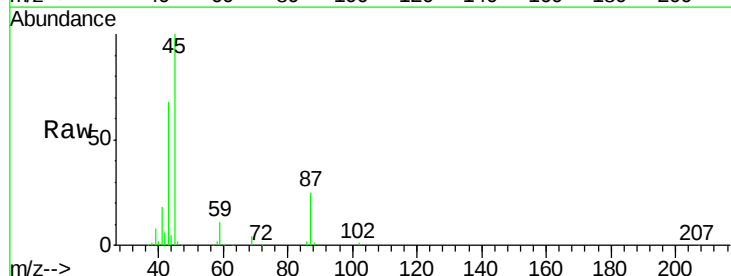
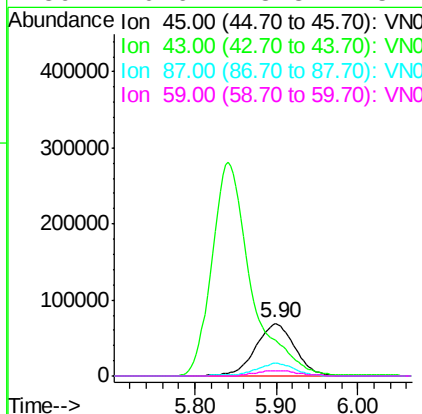
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

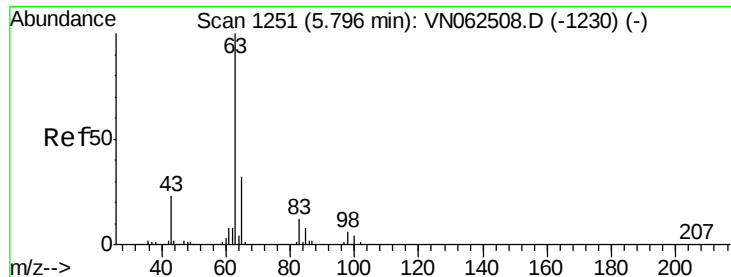
Tot Ion: 96 Resp: 57310
Ion Ratio Lower Upper
96 100
61 151.2 125.7 188.5
98 64.0 54.1 81.1



#20
Diisopropyl ether
Concen: 21.829 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 45 Resp: 231470
Ion Ratio Lower Upper
45 100
43 64.6 51.3 76.9
87 25.1 19.8 29.6
59 10.6 8.8 13.2





#21

1,1-Dichloroethane

Concen: 21.746 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

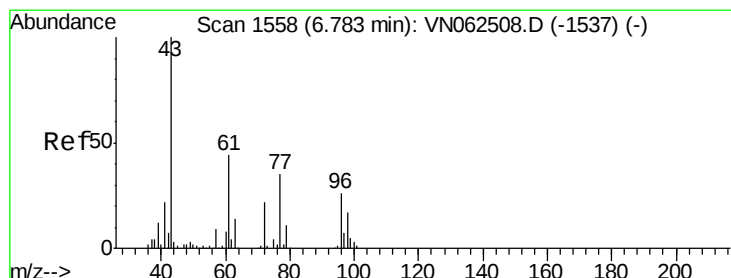
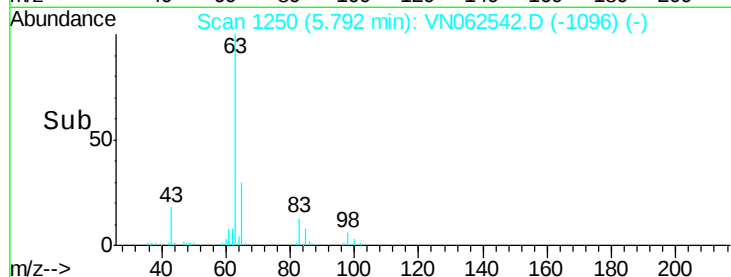
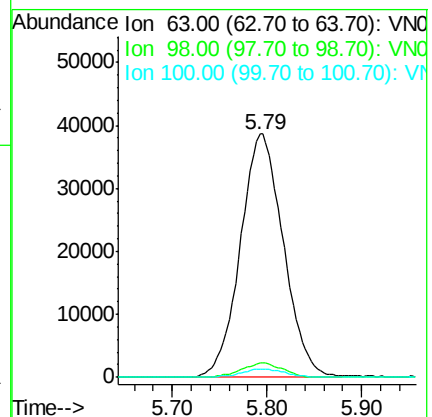
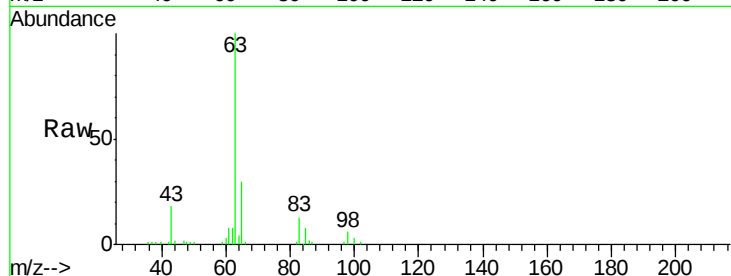
Tot Ion: 63 Resp: 121910

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.3 2.0 5.8



#22

cis-1,2-Dichloroethene

Concen: 21.675 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

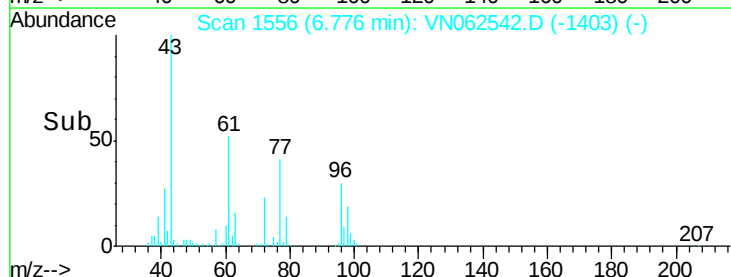
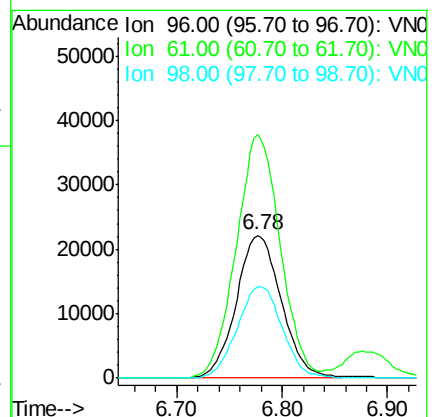
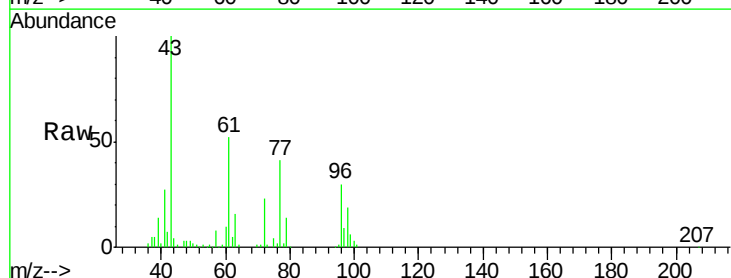
Tgt Ion: 96 Resp: 65618

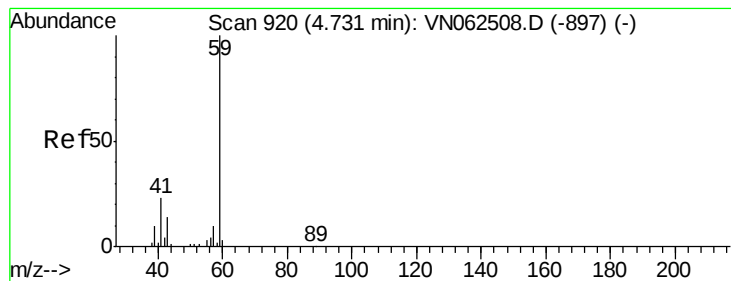
Ion Ratio Lower Upper

96 100

61 166.9 134.9 202.3

98 64.1 51.5 77.3



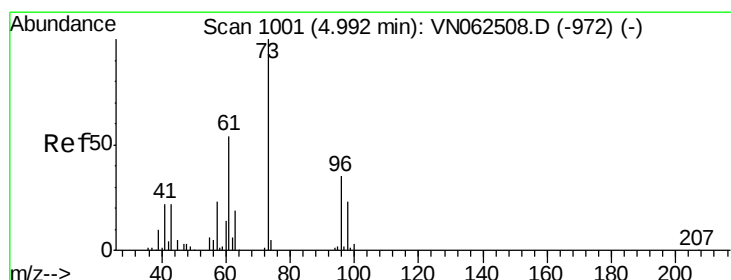
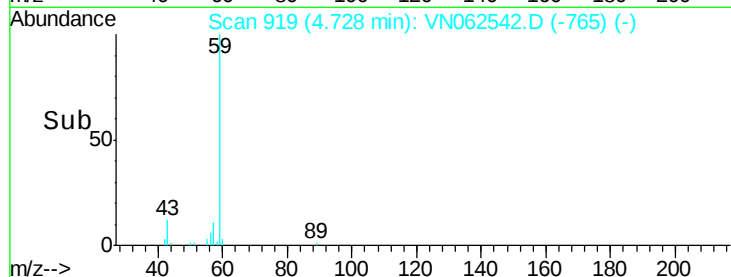
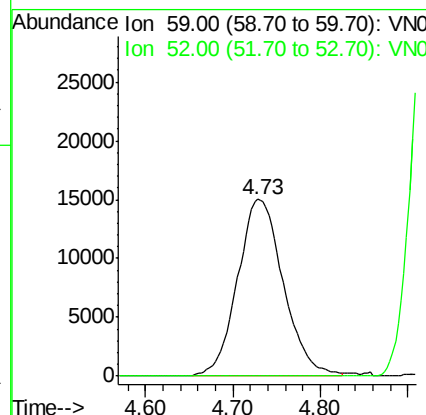
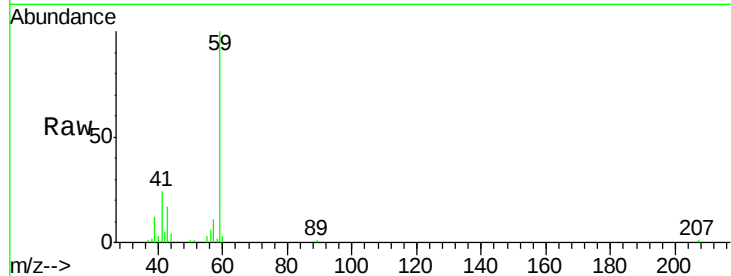


#23

tert-Butyl Alcohol
 Concen: 107.923 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

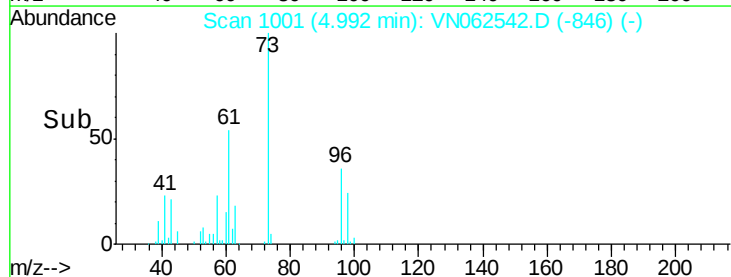
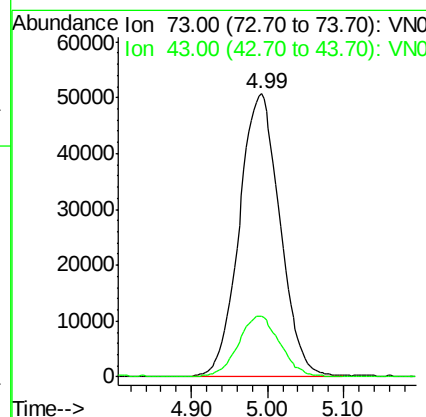
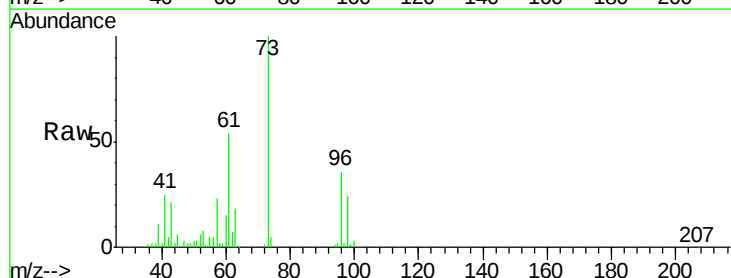
Tot Ion: 59 Resp: 54640
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

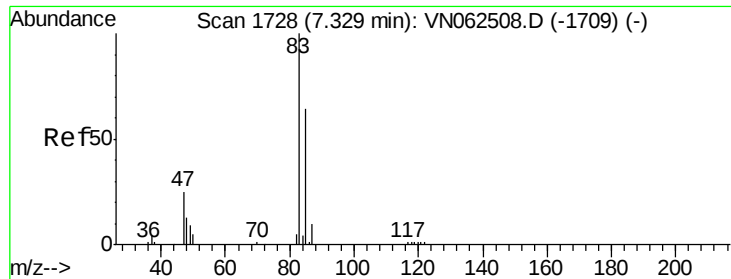


#24

Methyl tert-Butyl Ether
 Concen: 21.096 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 73 Resp: 188636
 Ion Ratio Lower Upper
 73 100
 43 22.0 16.9 25.3





#25

Chloroform

Concen: 22.268 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

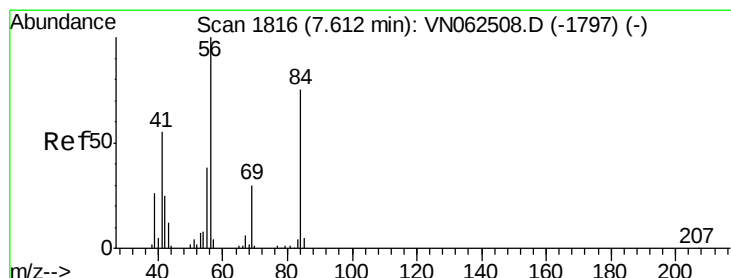
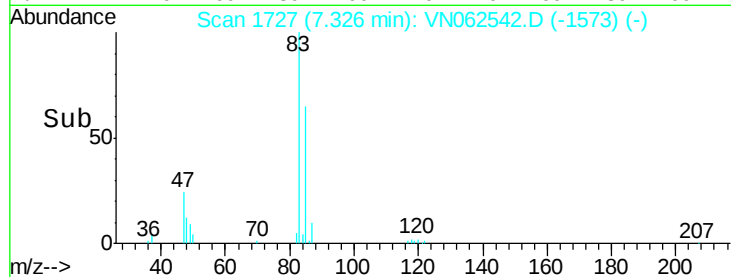
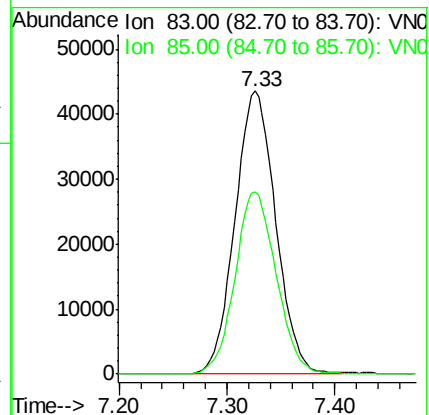
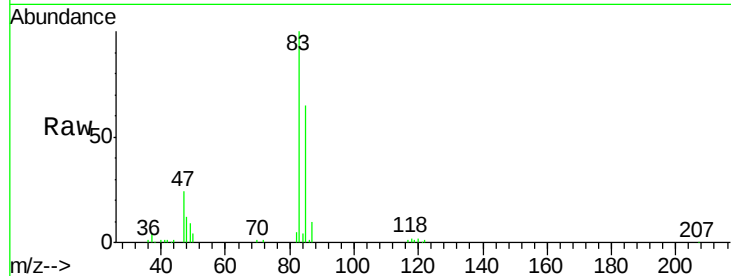
VSTDCCC020

Tot Ion: 83 Resp: 114484

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.4



#26

Cyclohexane

Concen: 21.286 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

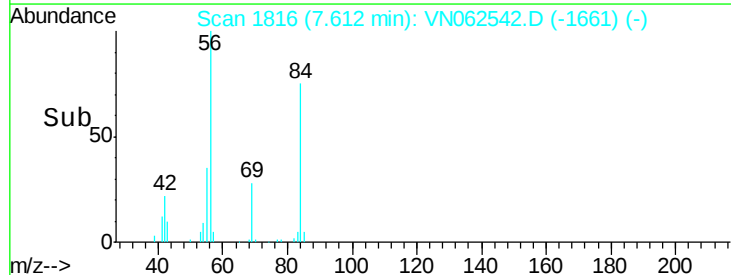
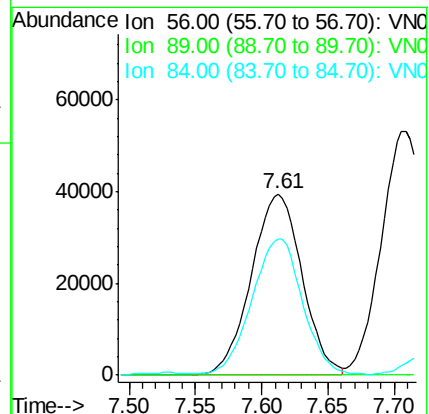
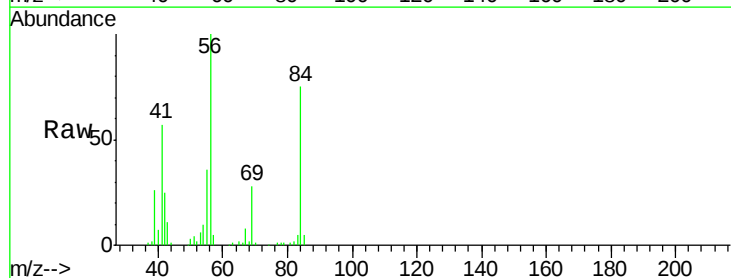
Tgt Ion: 56 Resp: 105178

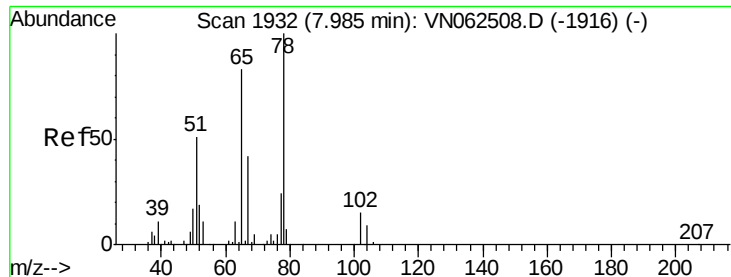
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 75.7 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 29.719 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

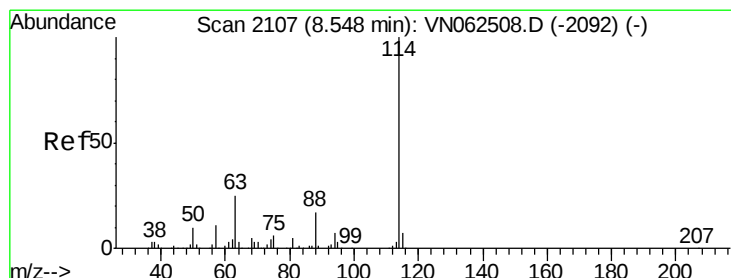
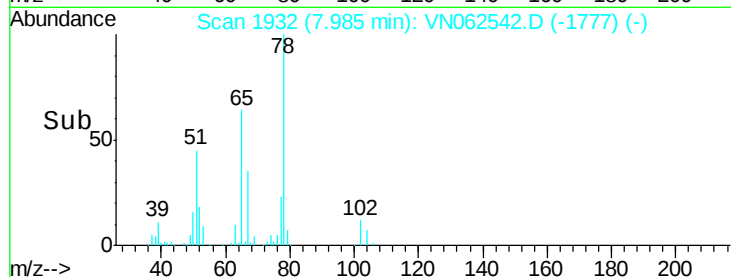
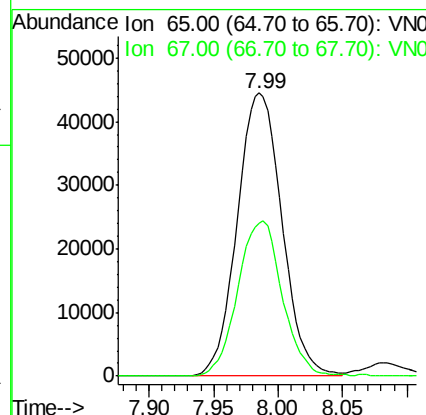
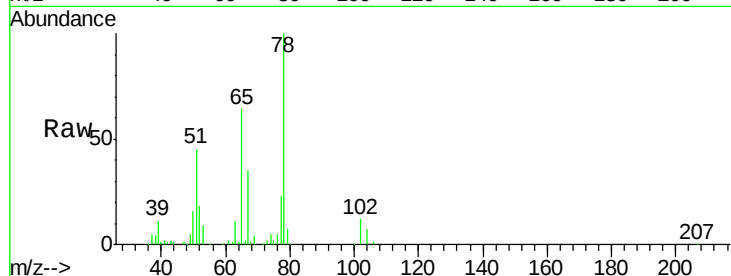
VSTDCCC020

Tot Ion: 65 Resp: 107533

Ion Ratio Lower Upper

65 100

67 54.3 41.7 62.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

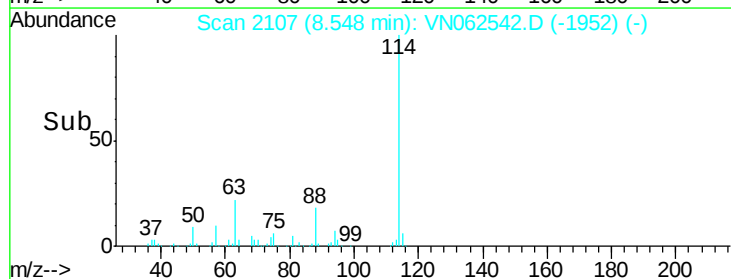
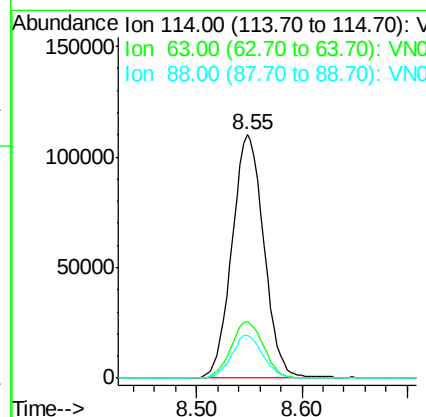
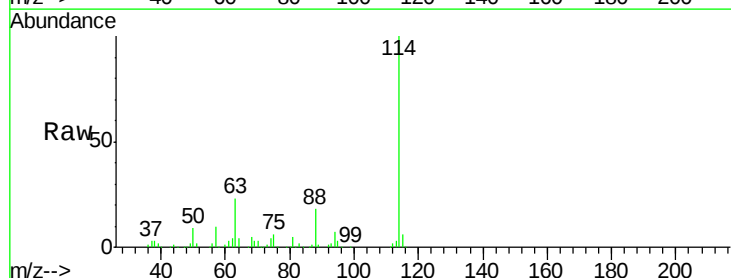
Tgt Ion: 114 Resp: 230279

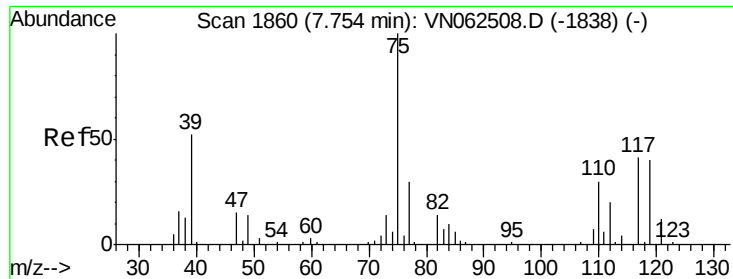
Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.0

88 17.3 13.5 20.3

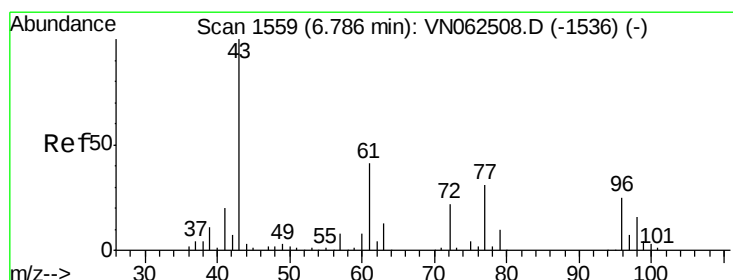
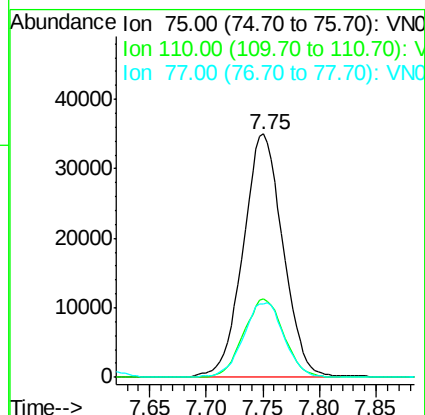
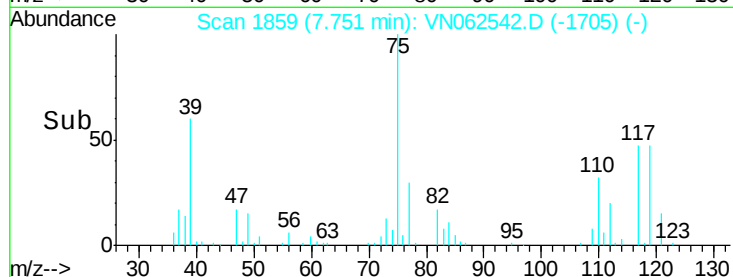
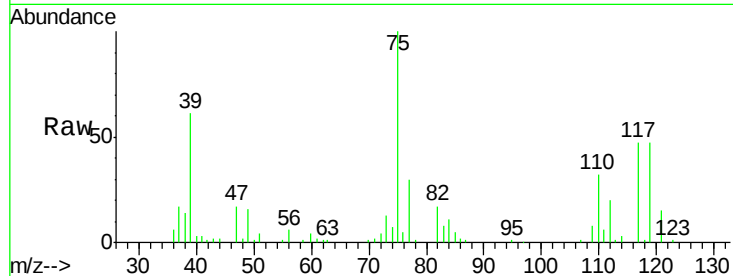




#29
 1,1-Dichloropropene
 Concen: 21.943 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

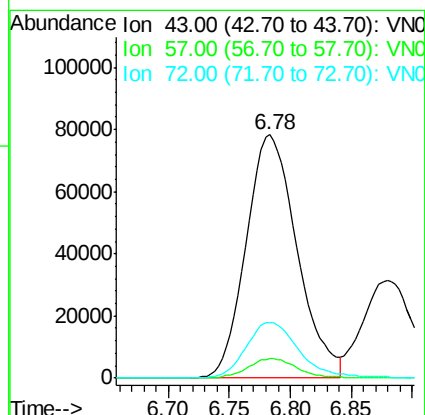
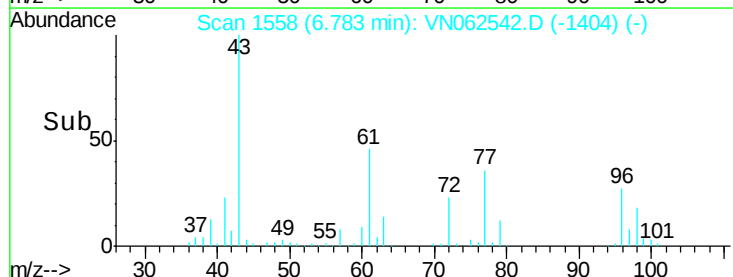
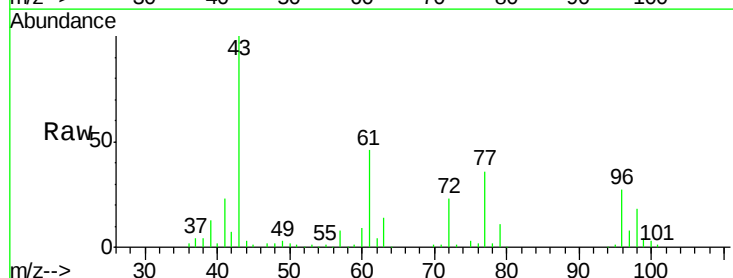
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

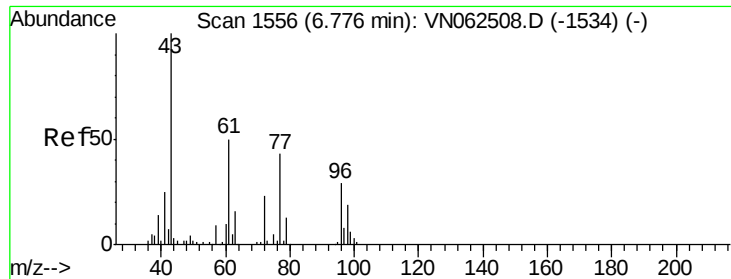
Tot Ion: 75 Resp: 85712
 Ion Ratio Lower Upper
 75 100
 110 32.2 0.0 62.4
 77 31.4 0.0 62.8



#30
 2-Butanone
 Concen: 109.657 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 43 Resp: 227160
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.6 9.8
 72 23.5 18.5 27.7

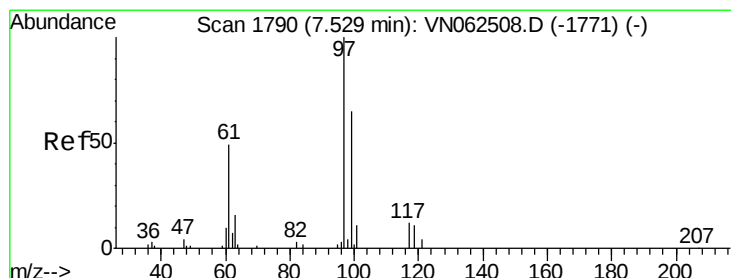
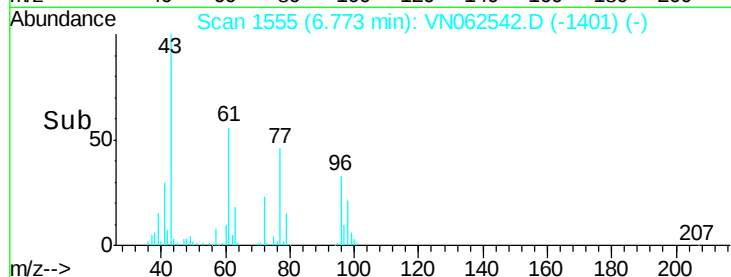
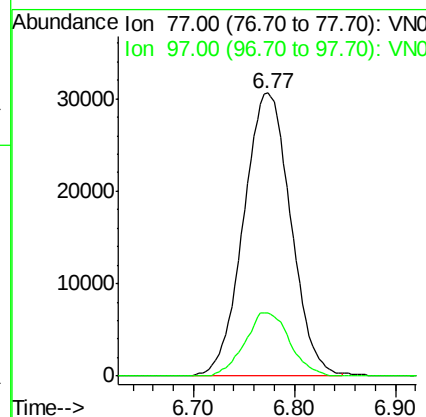
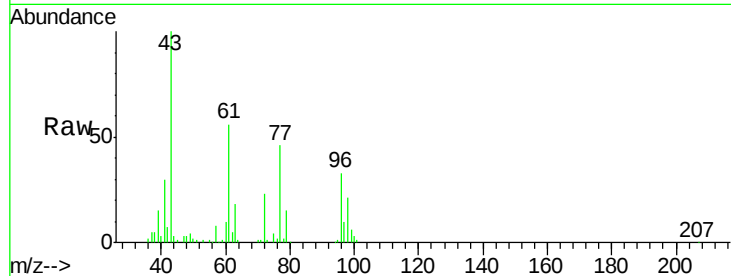




#31
 2,2-Dichloropropane
 Concen: 22.564 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

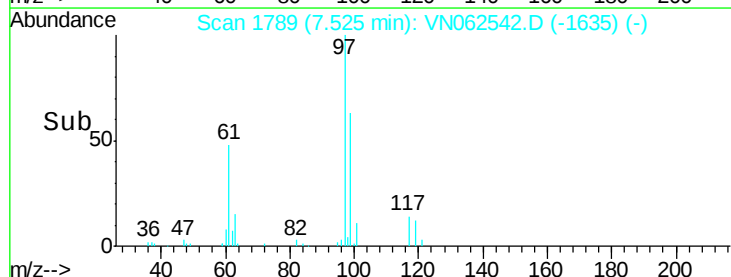
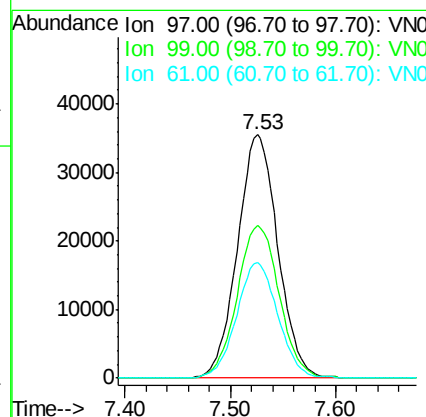
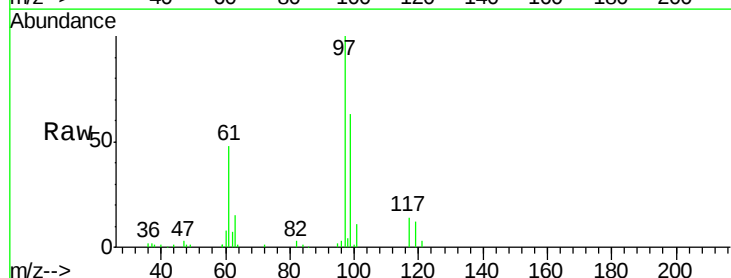
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

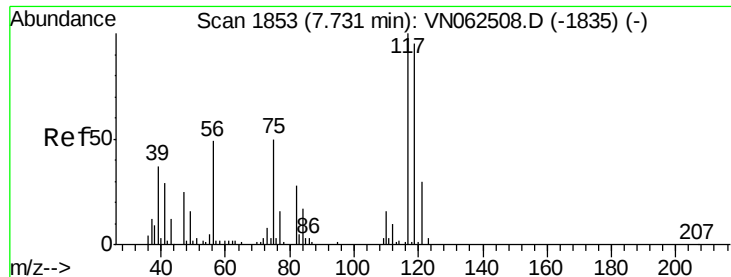
Tot Ion: 77 Resp: 99379
 Ion Ratio Lower Upper
 77 100
 97 21.3 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 22.484 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 97 Resp: 94392
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.8 77.8
 61 48.5 39.4 59.0

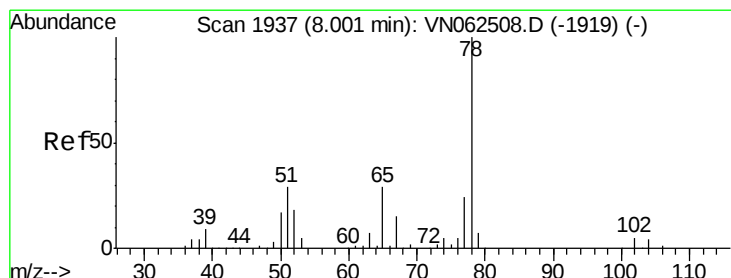
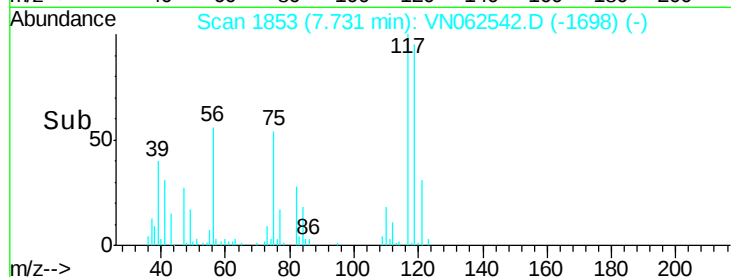
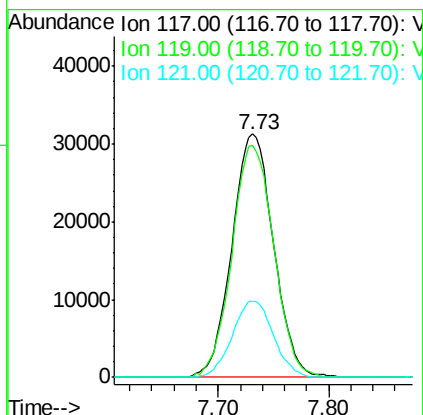
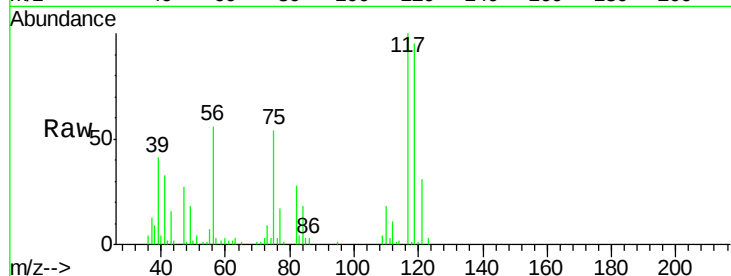




#33
Carbon Tetrachloride
Concen: 22.516 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

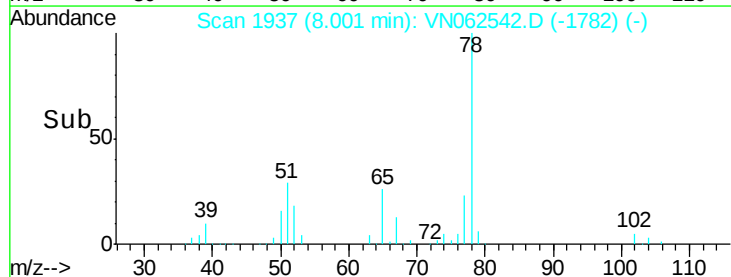
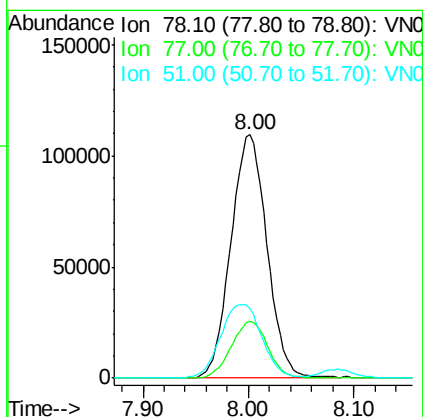
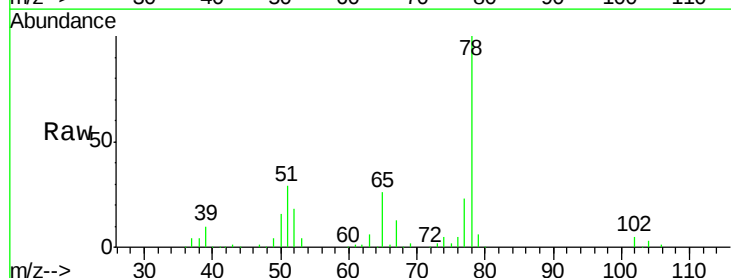
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

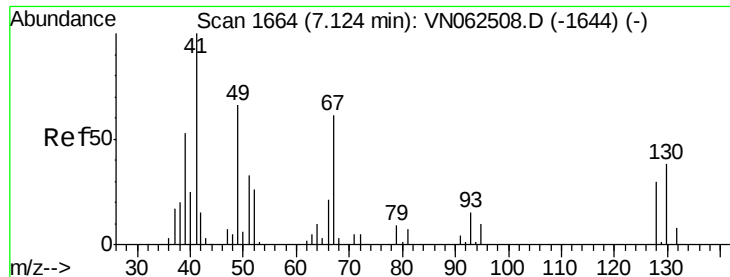
Tot Ion:117 Resp: 81941
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4
121 31.4 23.8 35.6



#34
Benzene
Concen: 22.436 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 78 Resp: 260360
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3
51 28.2 23.1 34.7

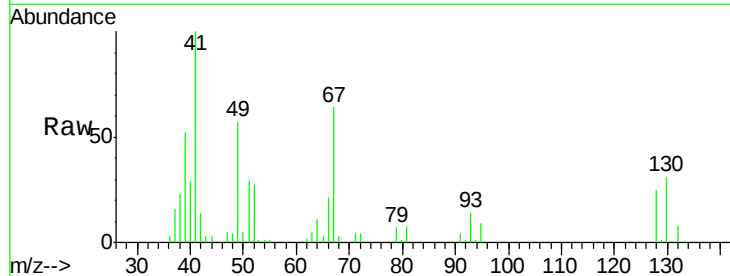




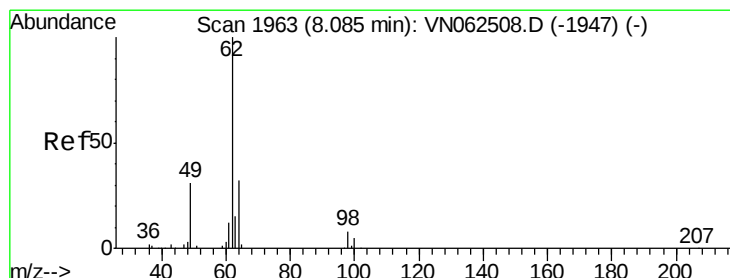
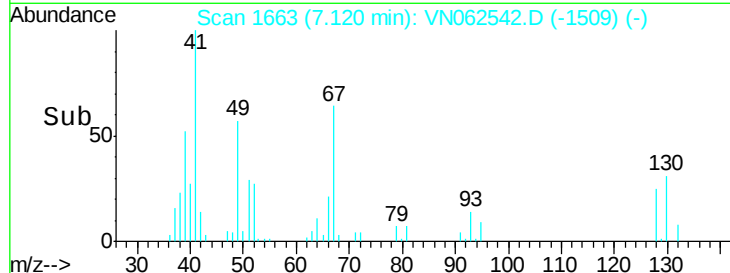
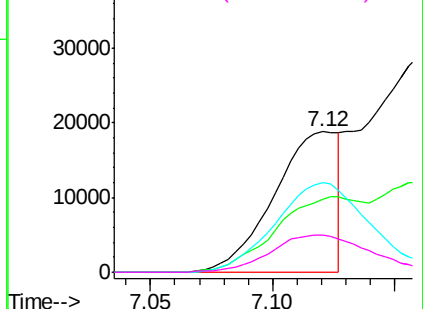
#35
Methacrylonitrile
Concen: 18.935 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	34456
Ion	Ratio	Lower	Upper
41	100		
39	52.3	26.5	79.5
67	63.9	30.7	92.1
52	26.7	13.0	39.0

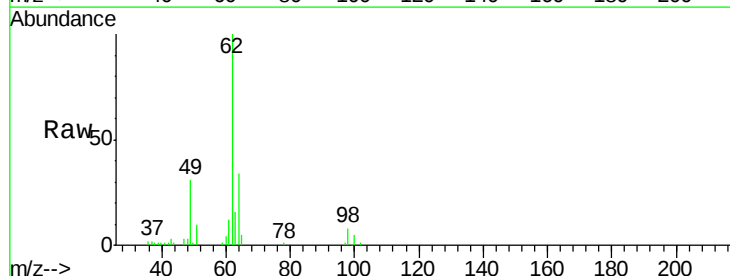


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

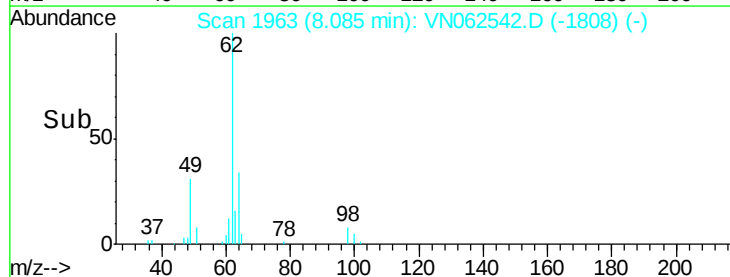
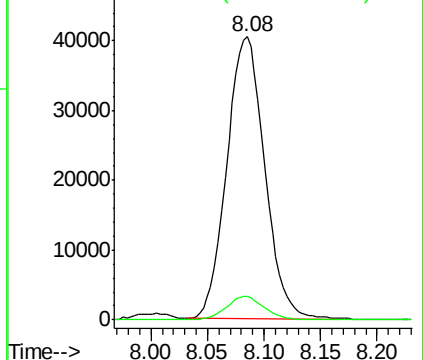


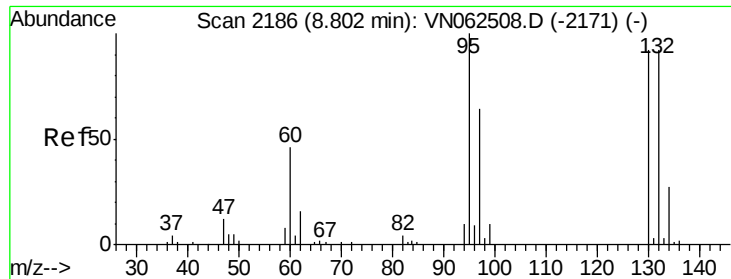
#36
1,2-Dichloroethane
Concen: 22.622 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion:	62	Resp:	94354
Ion	Ratio	Lower	Upper
62	100		
98	8.3	6.6	9.8



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

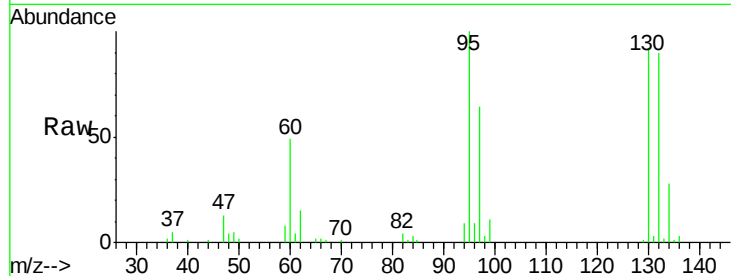




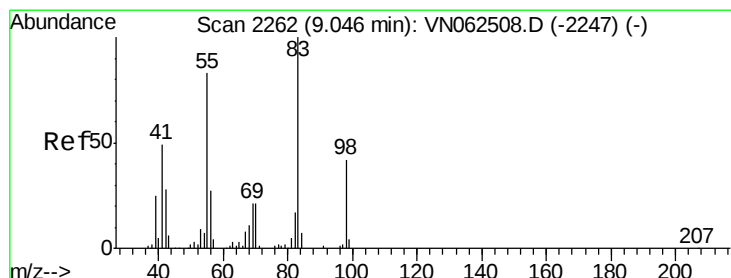
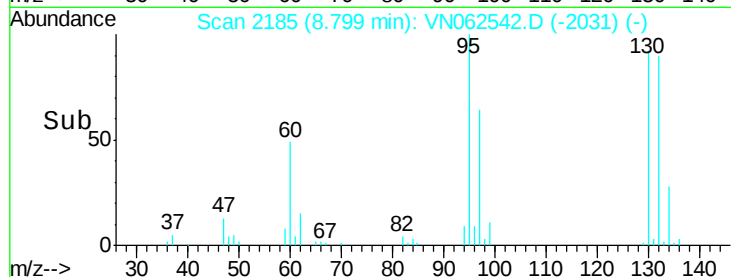
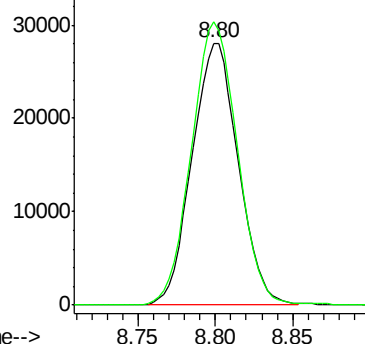
#37
 Trichloroethene
 Concen: 22.368 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 58303
 Ion Ratio Lower Upper
 130 100
 95 107.4 86.5 129.7

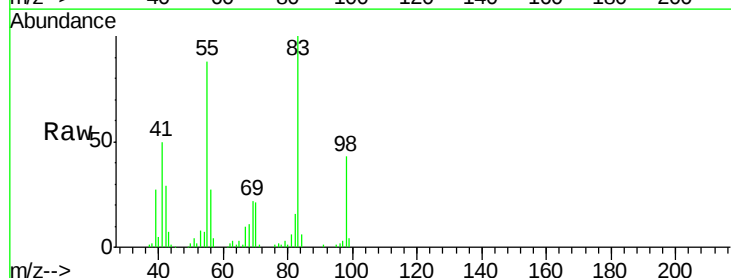


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

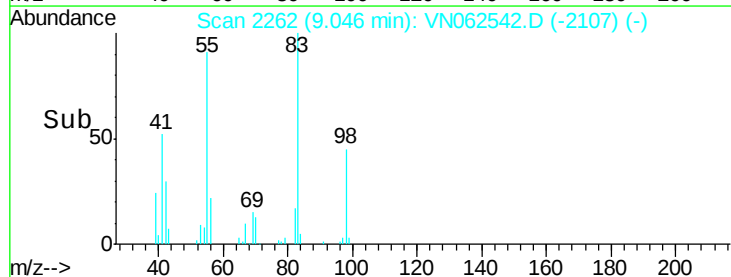
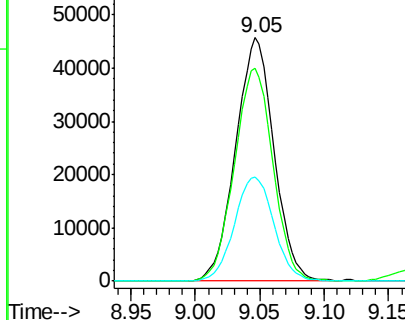


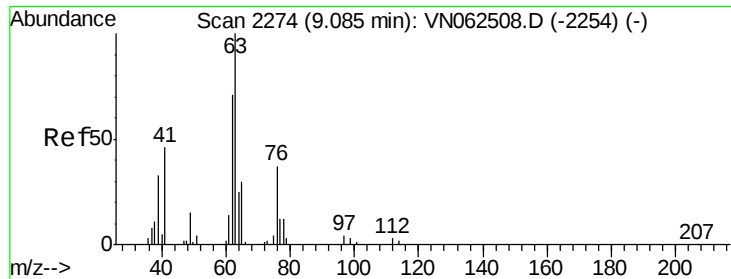
#38
 Methylcyclohexane
 Concen: 21.613 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 83 Resp: 94704
 Ion Ratio Lower Upper
 83 100
 55 87.8 42.8 128.3
 98 43.9 21.9 65.7



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





#39

1,2-Dichloropropane

Concen: 22.303 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

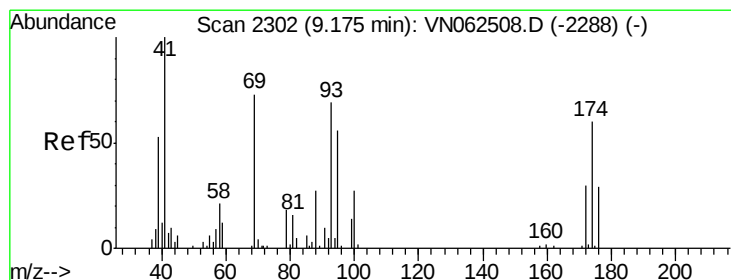
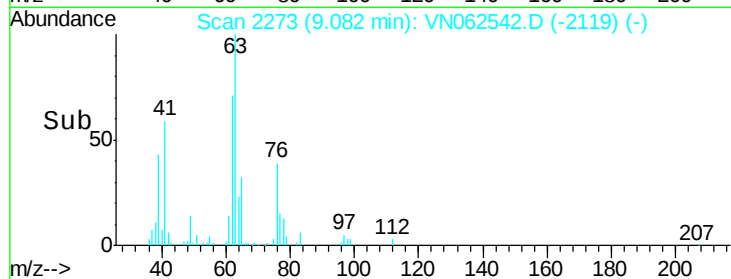
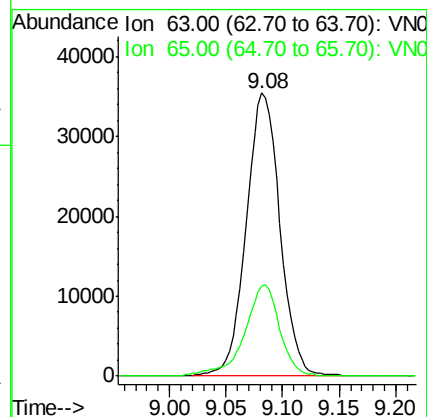
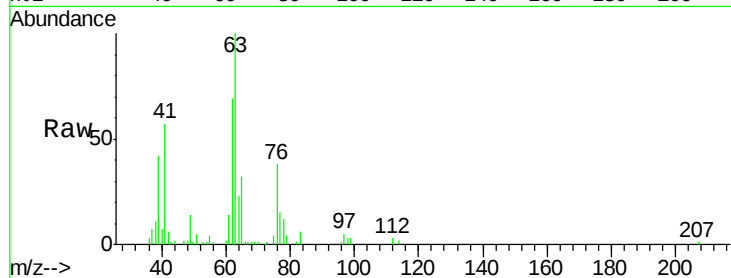
VSTDCCC020

Tot Ion: 63 Resp: 73734

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4



#40

Dibromomethane

Concen: 22.774 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

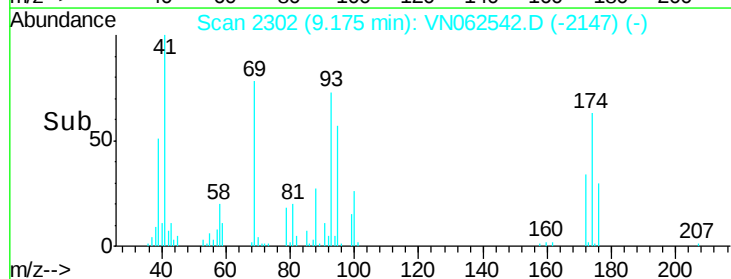
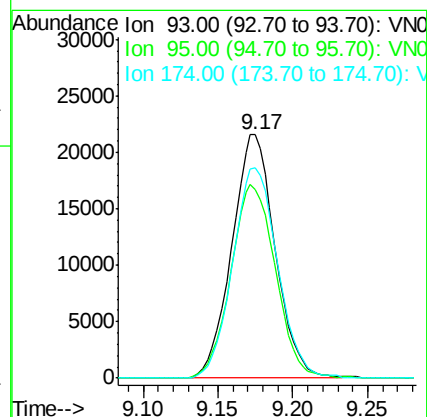
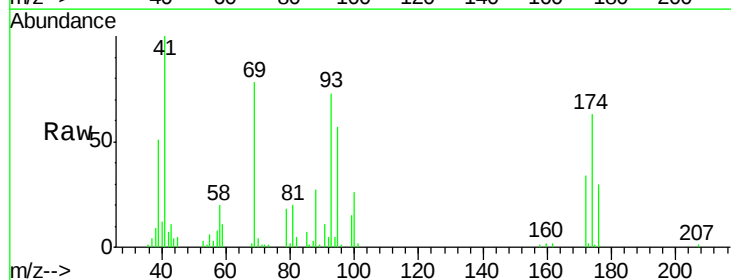
Tgt Ion: 93 Resp: 43392

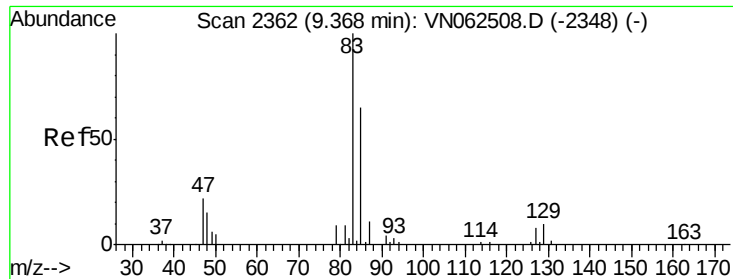
Ion Ratio Lower Upper

93 100

95 81.8 0.0 161.2

174 89.2 0.0 178.0

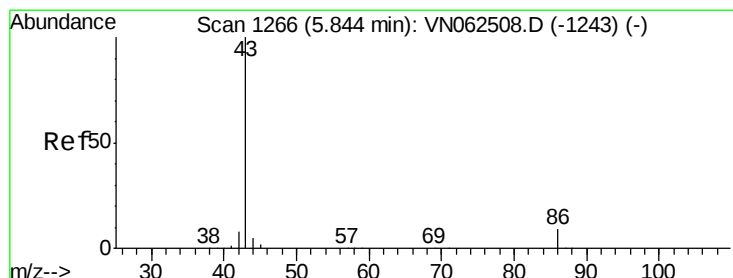
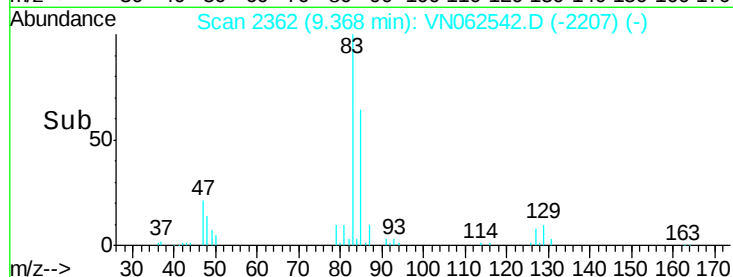
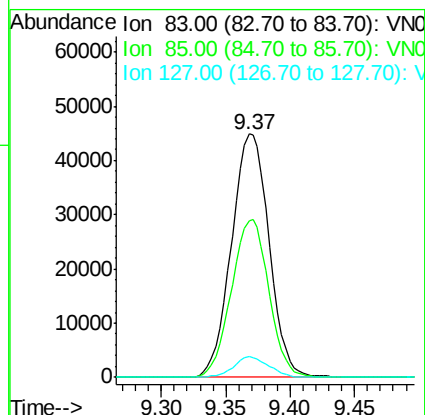
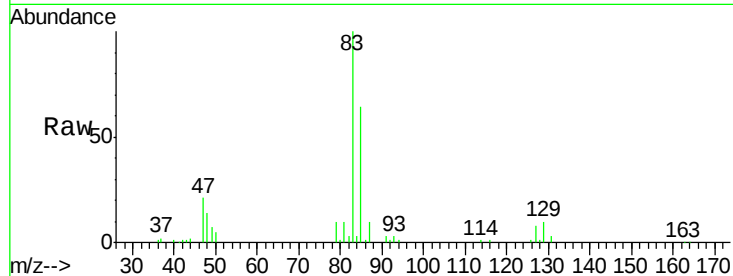




#41
Bromodichloromethane
Concen: 22.517 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

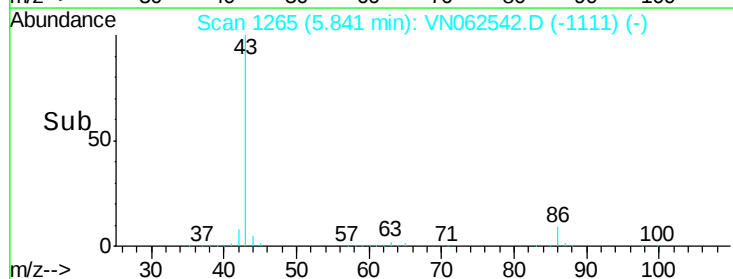
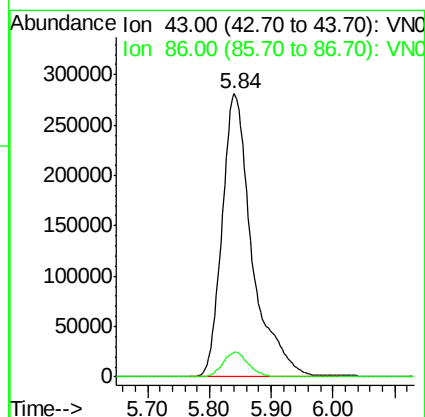
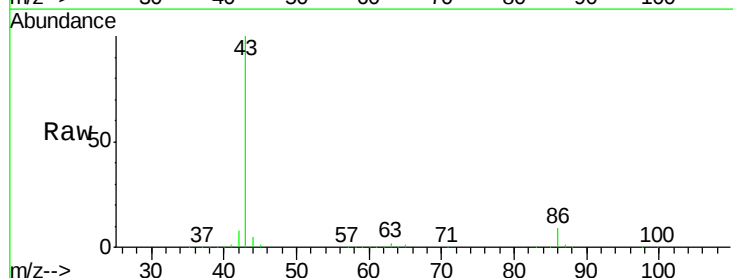
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

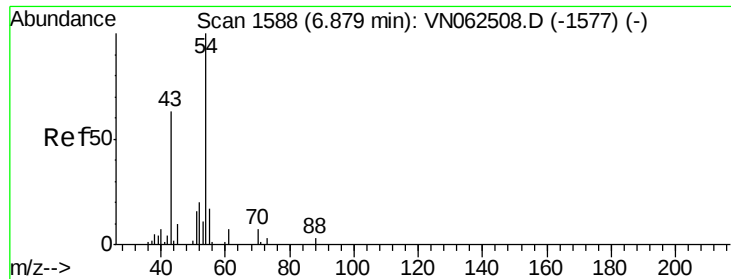
Tot Ion: 83 Resp: 90998
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4
127 8.4 6.3 9.5



#42
Vinyl Acetate
Concen: 110.236 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 43 Resp: 948941
Ion Ratio Lower Upper
43 100
86 7.6 6.1 9.1





#43

Ethyl Acetate

Concen: 21.886 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

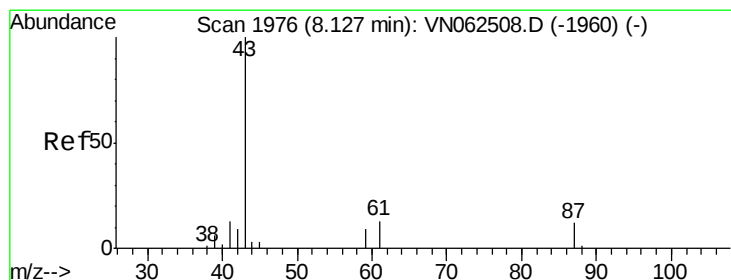
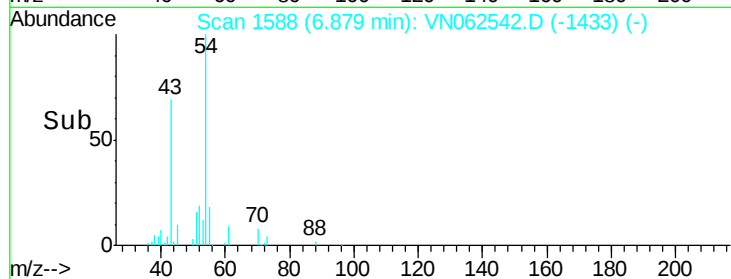
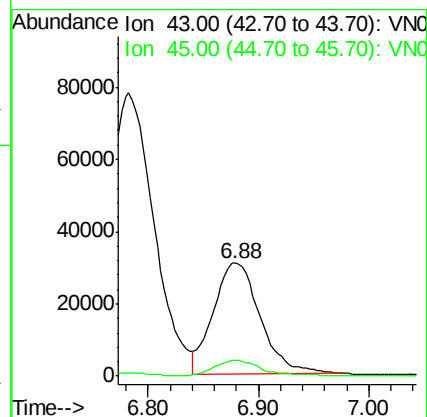
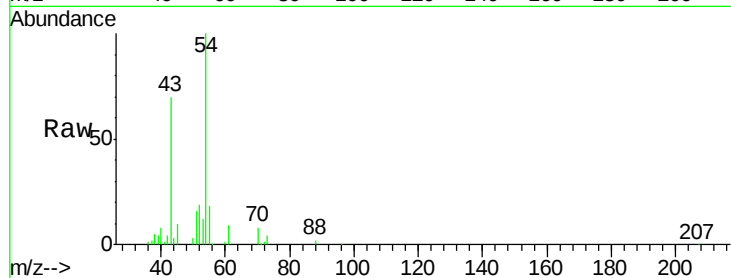
VSTDCCC020

Tot Ion: 43 Resp: 91151

Ion Ratio Lower Upper

43 100

45 13.0 10.2 15.4



#44

Isopropyl Acetate

Concen: 21.421 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062542.D

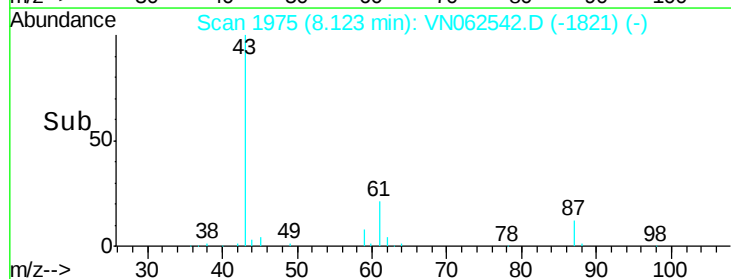
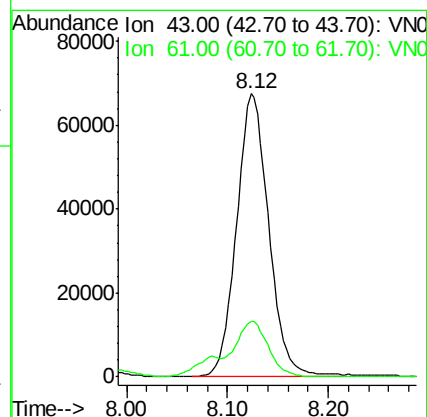
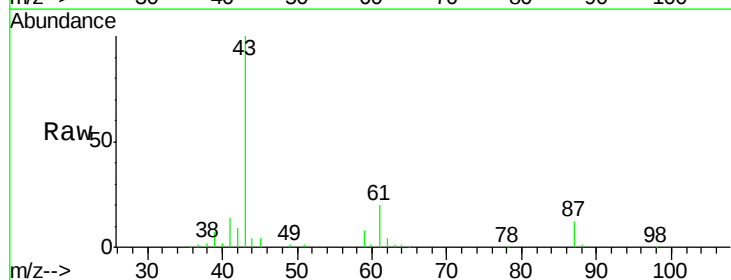
Acq: 16 Jul 2020 12:18

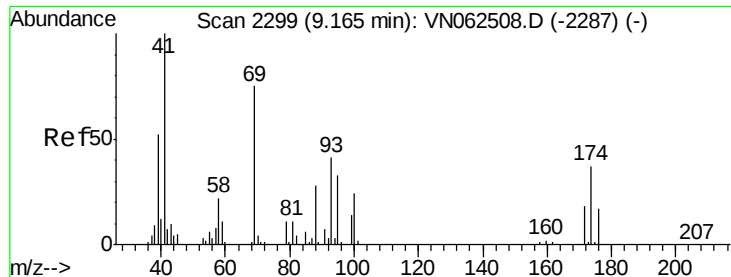
Tgt Ion: 43 Resp: 149685

Ion Ratio Lower Upper

43 100

61 19.0 14.7 22.1

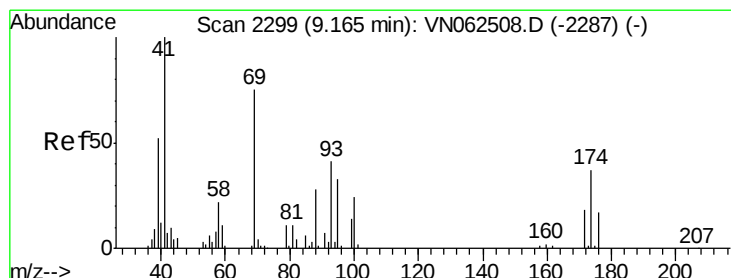
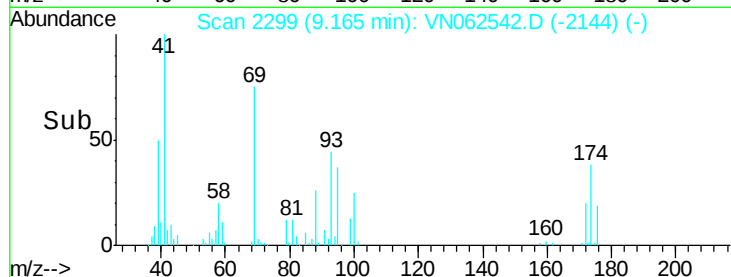
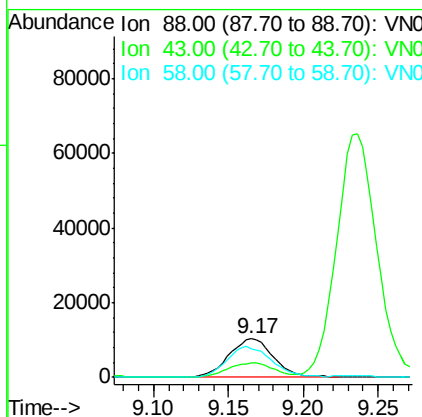
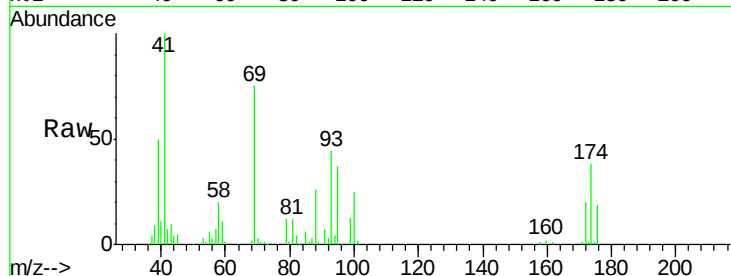




#45
 1,4-Dioxane
 Concen: 452.216 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

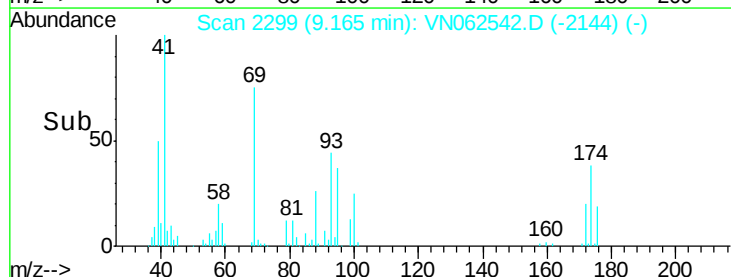
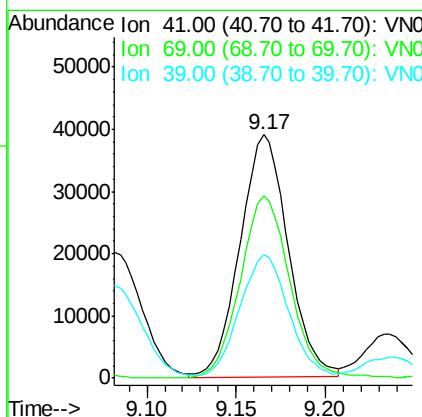
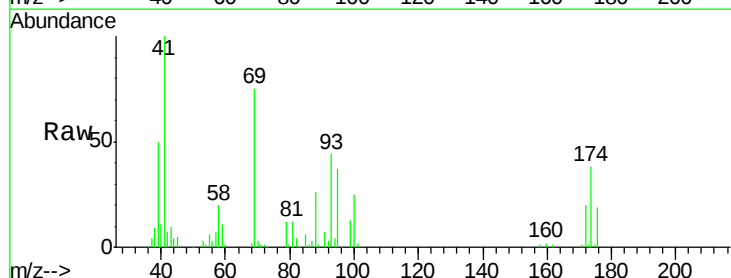
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

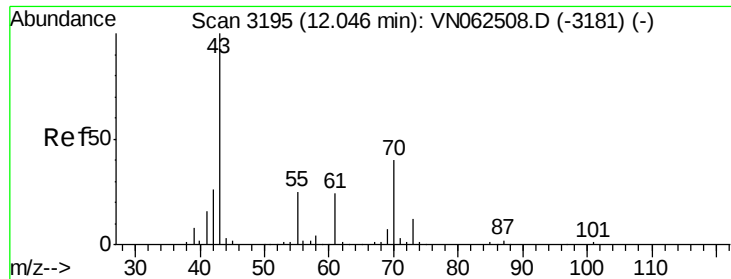
Tot Ion: 88 Resp: 21616
 Ion Ratio Lower Upper
 88 100
 43 39.2 29.2 43.8
 58 80.2 62.2 93.4



#46
 Methyl methacrylate
 Concen: 22.224 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 41 Resp: 73674
 Ion Ratio Lower Upper
 41 100
 69 75.8 37.4 112.2
 39 50.0 25.9 77.6

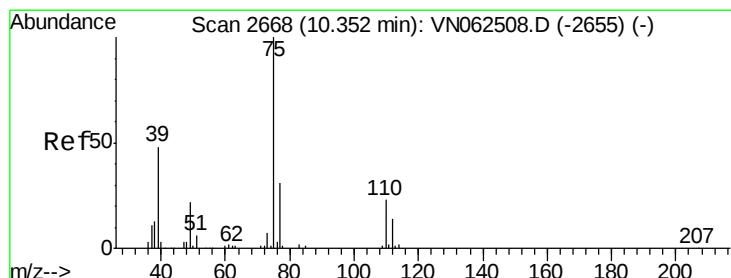
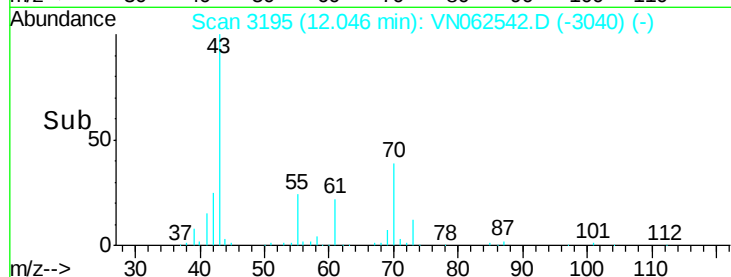
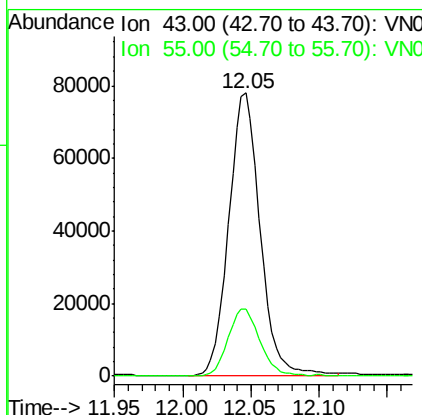
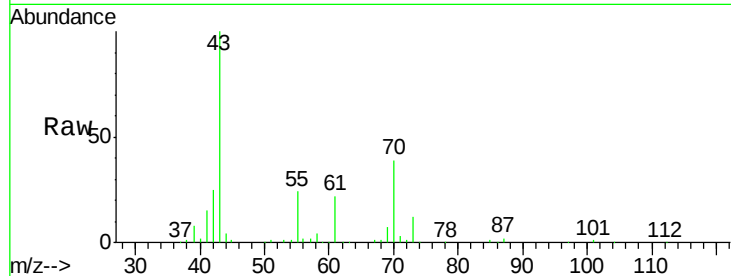




#47
n-amvl Acetate
Concen: 20.993 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

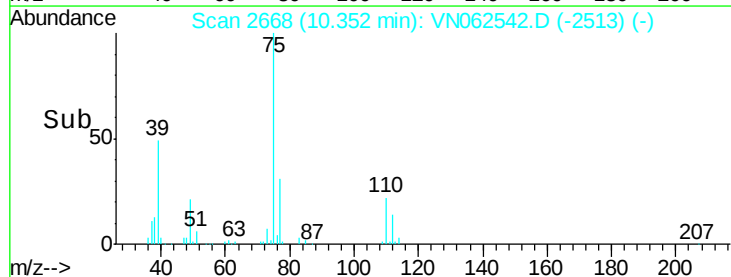
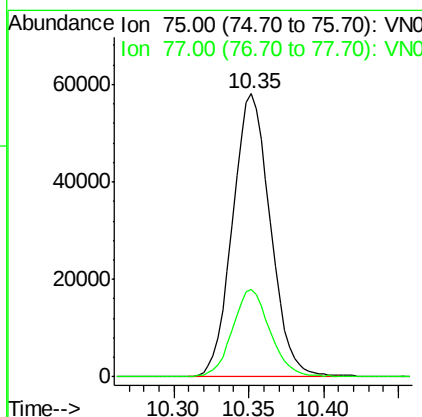
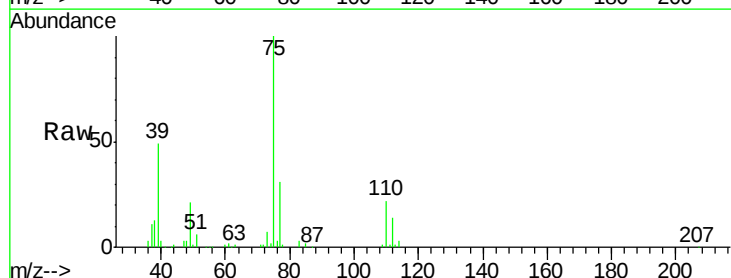
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

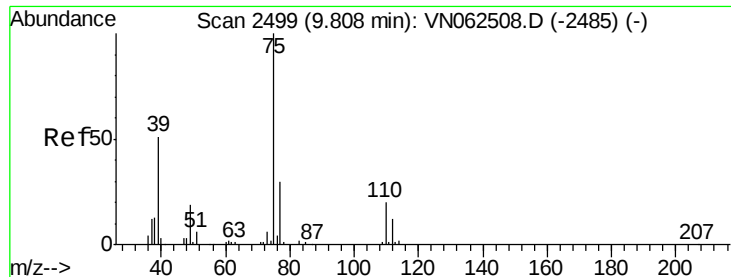
Tot Ion: 43 Resp: 123656
Ion Ratio Lower Upper
43 100
55 24.5 20.4 30.6



#48
t-1,3-Dichloropropene
Concen: 21.692 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 75 Resp: 102246
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4



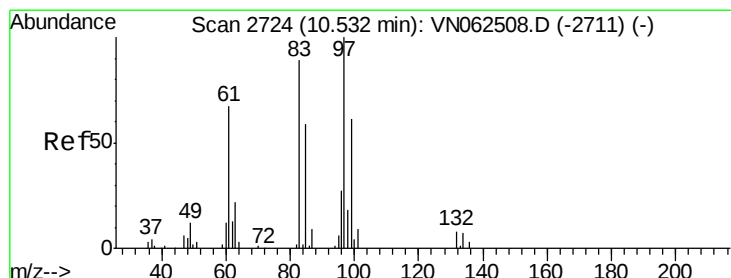
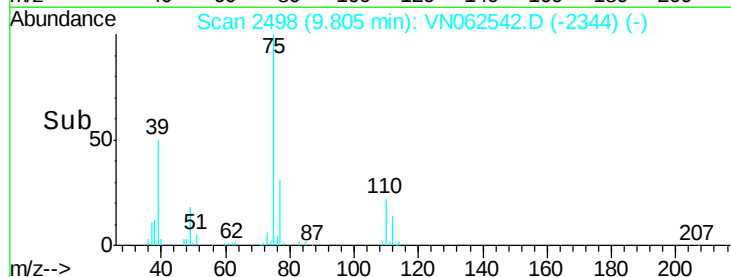
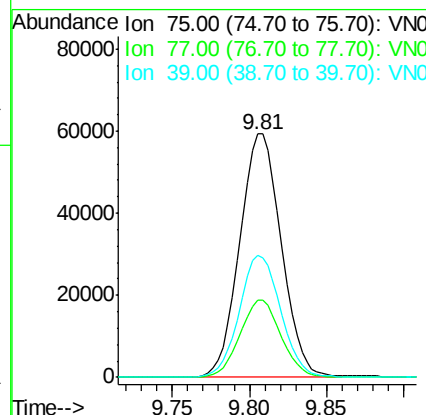
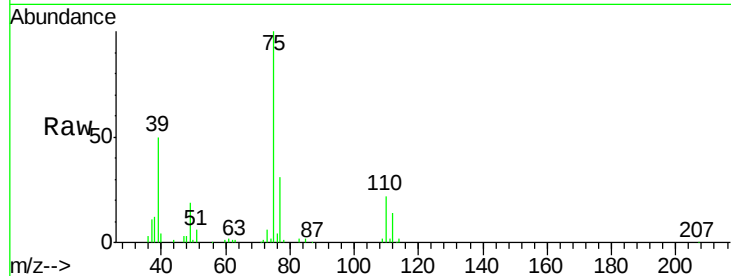


#49

cis-1,3-Dichloropropene
 Concen: 21.805 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

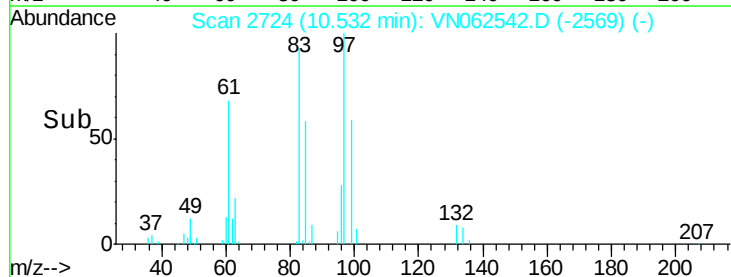
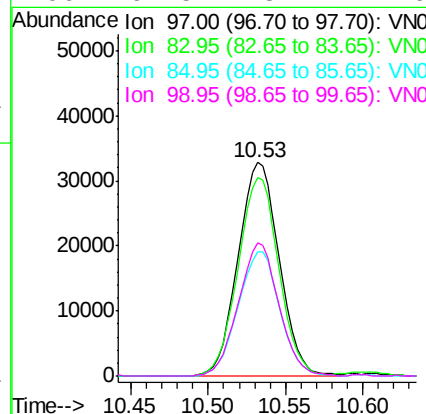
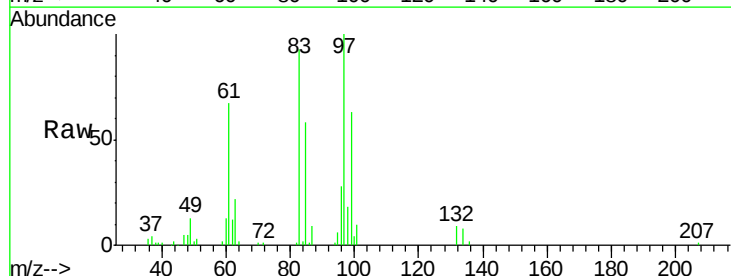
Tot Ion	75	Resp	110948
Ion	Ratio	Lower	Upper
75	100		
77	31.5	23.7	35.5
39	50.0	40.5	60.7

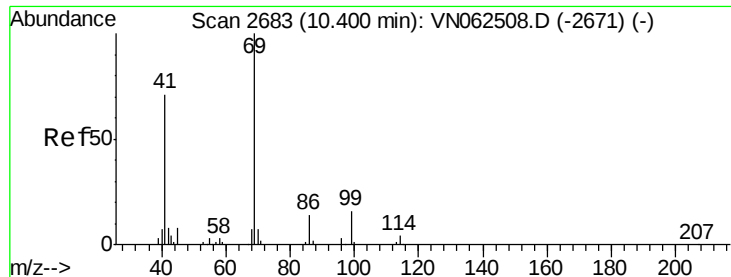


#50

1,1,2-Trichloroethane
 Concen: 22.718 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion	97	Resp	60674
Ion	Ratio	Lower	Upper
97	100		
83	92.7	71.3	106.9
85	58.0	47.2	70.8
99	62.5	48.4	72.6





#51

Ethyl methacrylate

Concen: 20.986 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

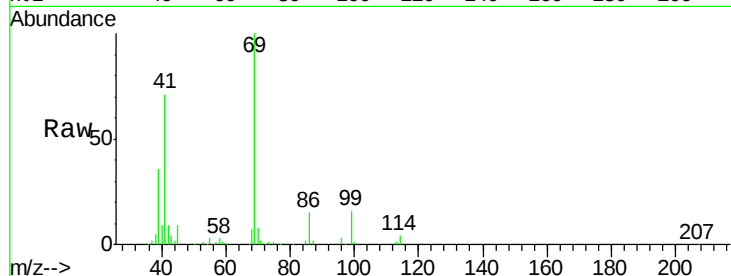
Tot Ion: 69 Resp: 94366

Ion Ratio Lower Upper

69 100

41 70.5 35.6 106.8

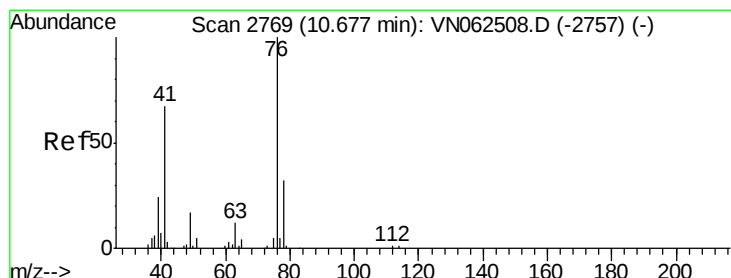
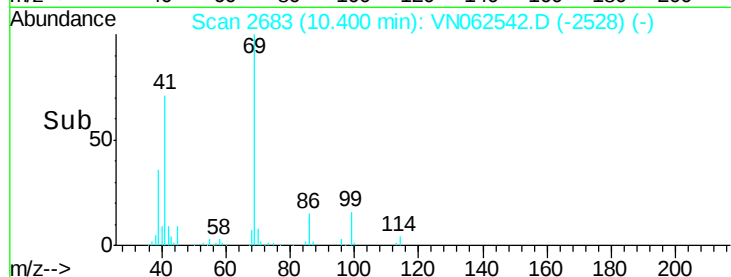
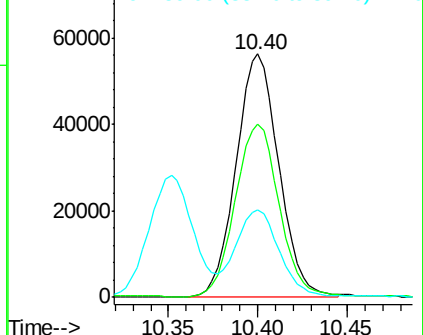
39 35.1 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VN062542.D (-2528) (-)

Ion 41.00 (40.70 to 41.70): VN062542.D (-2528) (-)

Ion 39.00 (38.70 to 39.70): VN062542.D (-2528) (-)



#52

1,3-Dichloropropane

Concen: 22.361 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062542.D

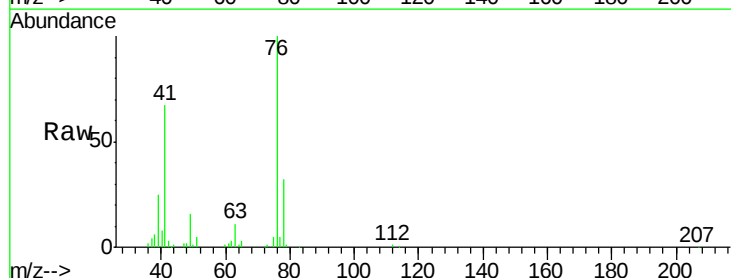
Acq: 16 Jul 2020 12:18

Tgt Ion: 76 Resp: 109603

Ion Ratio Lower Upper

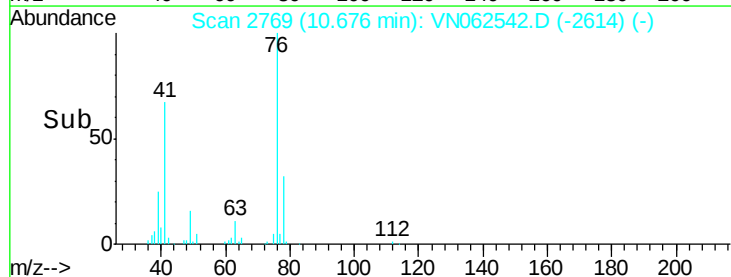
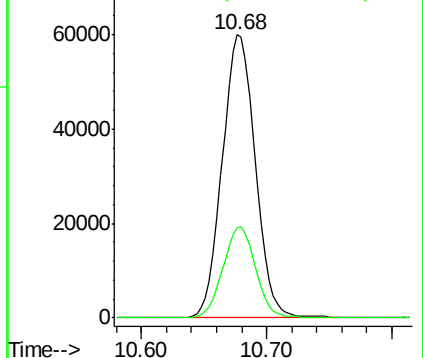
76 100

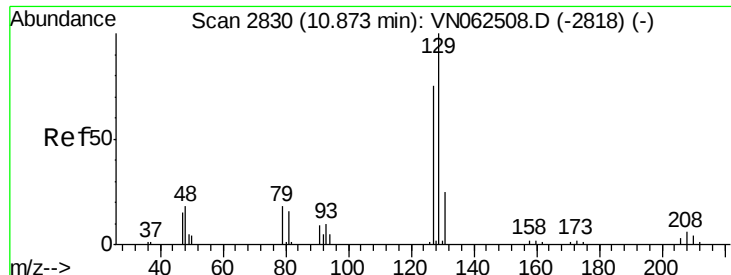
78 32.0 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN062542.D (-2614) (-)

Ion 78.00 (77.70 to 78.70): VN062542.D (-2614) (-)

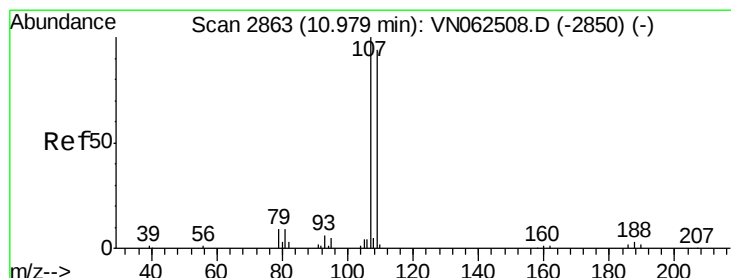
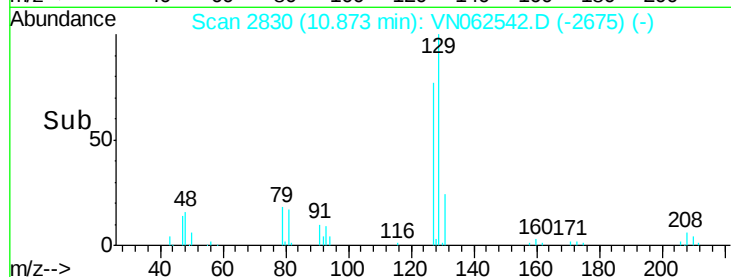
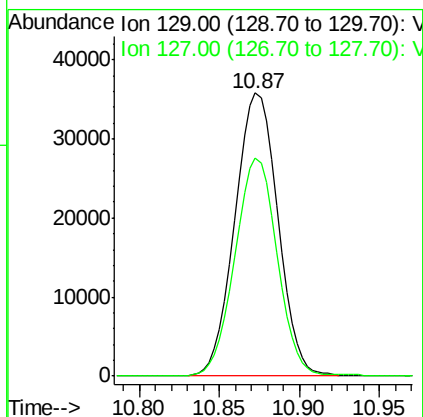
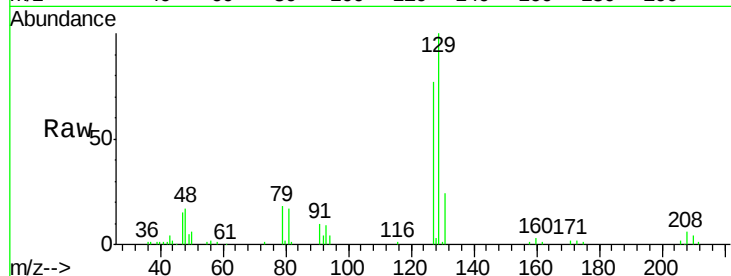




#53
 Dibromochloromethane
 Concen: 22.576 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

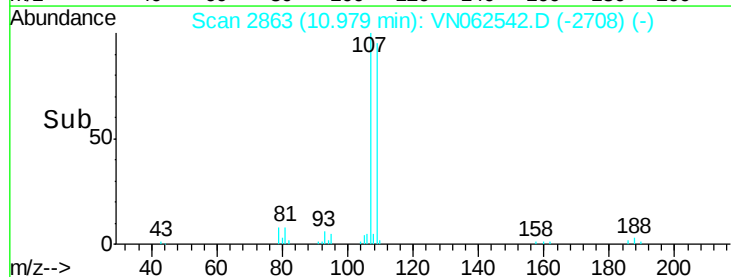
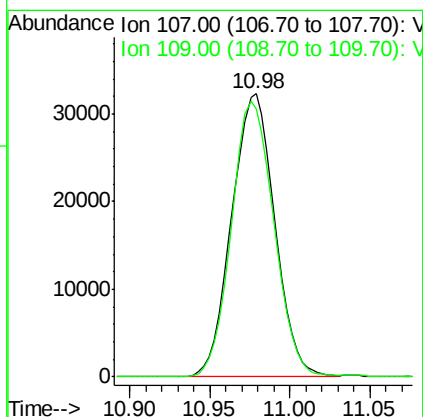
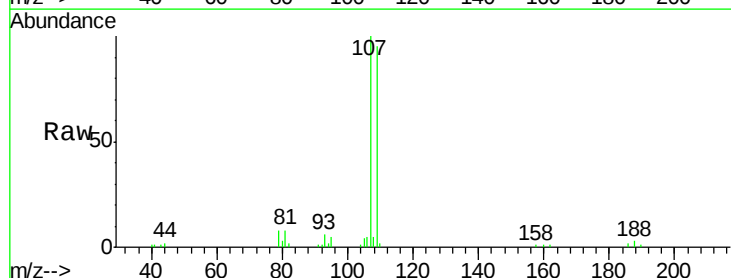
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

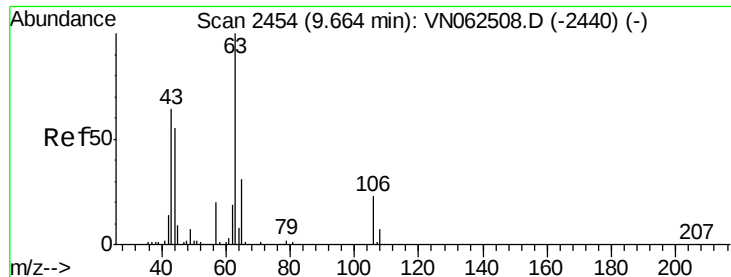
Tot Ion:129 Resp: 65691
 Ion Ratio Lower Upper
 129 100
 127 75.6 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 21.667 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion:107 Resp: 59228
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.8 112.2

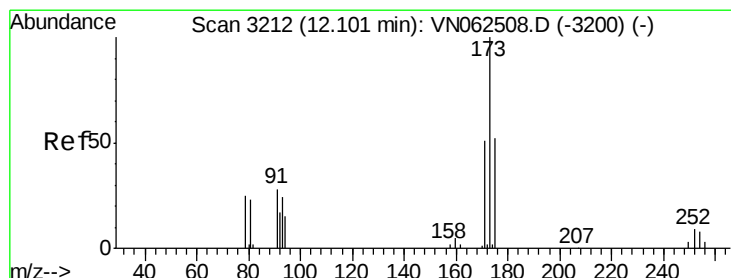
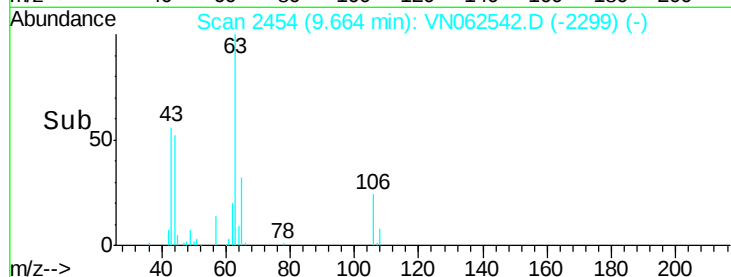
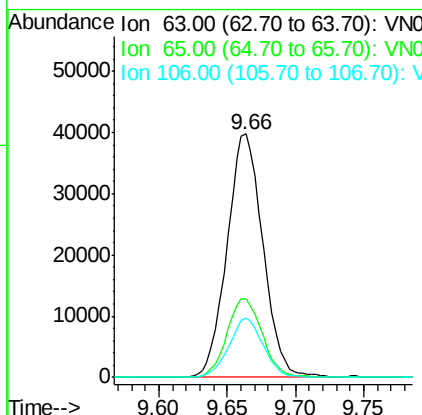
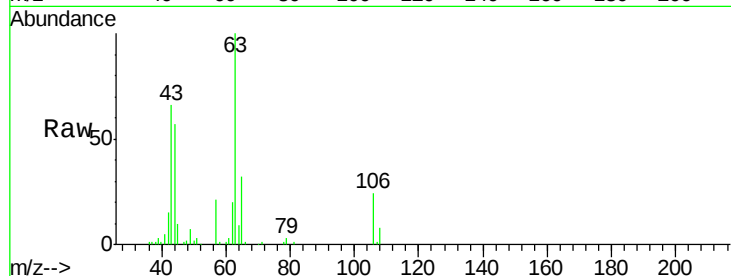




#55
2-Chloroethyl vinyl ether
Concen: 50.557 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

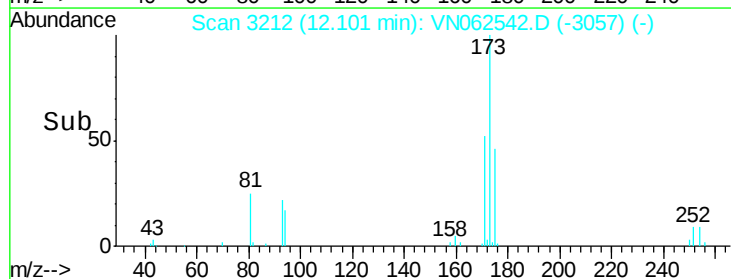
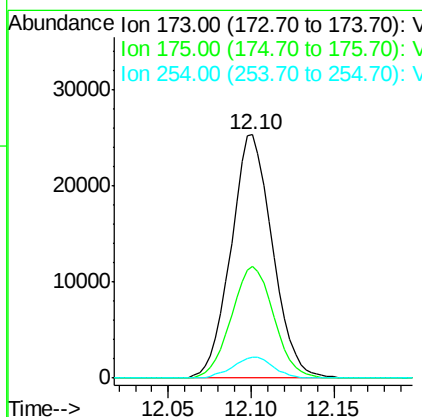
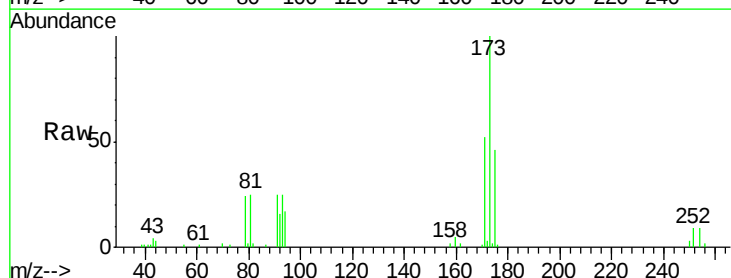
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

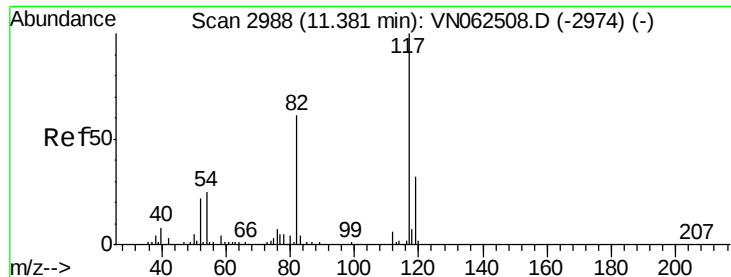
Tot Ion: 63 Resp: 72609
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.2
106 23.1 18.4 27.6



#56
Bromoform
Concen: 22.199 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 173 Resp: 44120
Ion Ratio Lower Upper
173 100
175 46.8 38.1 57.1
254 8.4 6.2 9.2

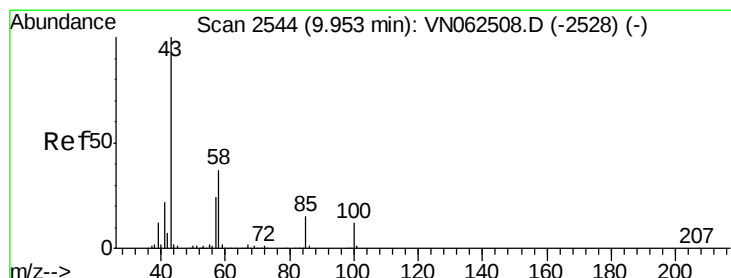
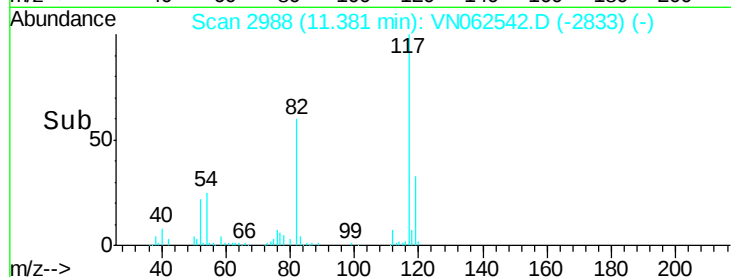
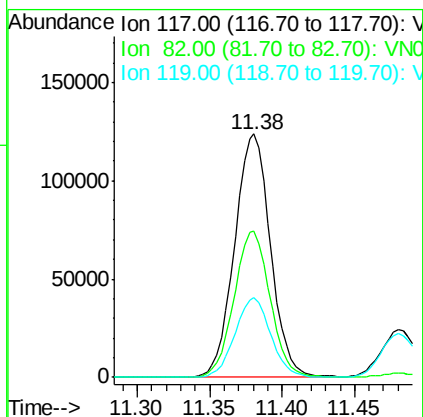
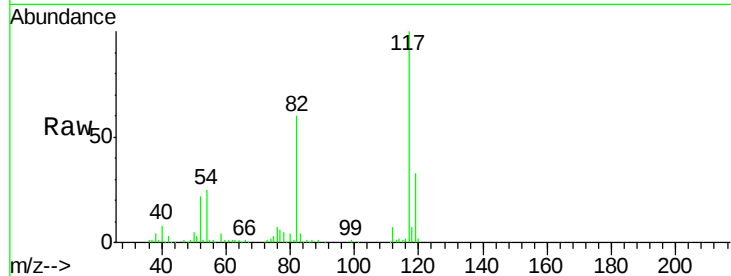




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

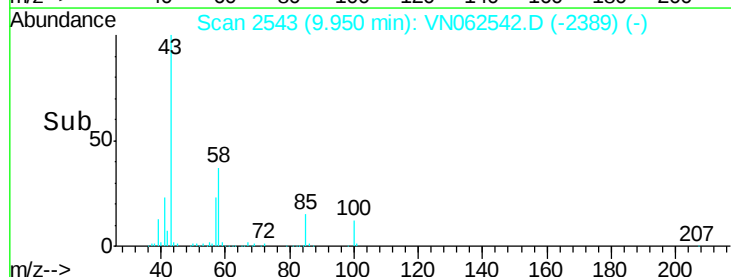
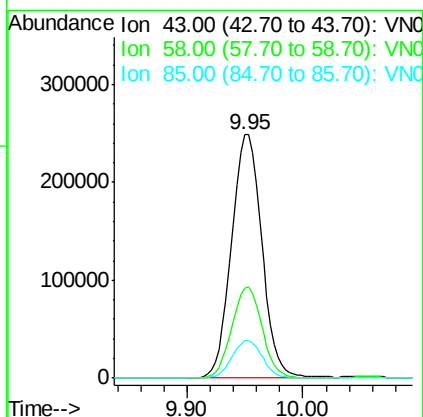
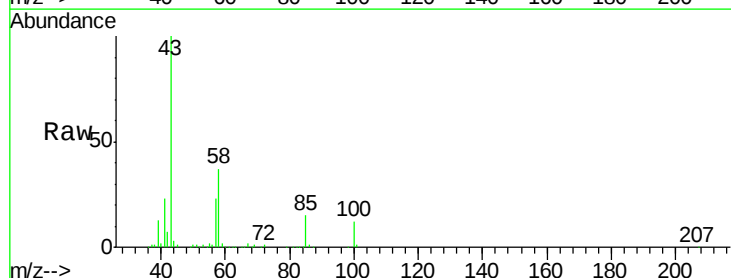
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

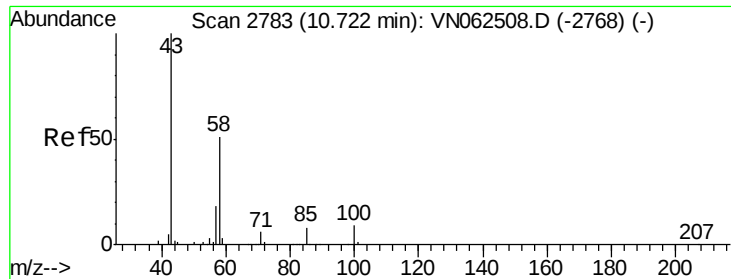
Tot Ion:117 Resp: 213004
Ion Ratio Lower Upper
117 100
82 60.4 49.0 73.6
119 32.5 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 108.923 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 43 Resp: 452030
Ion Ratio Lower Upper
43 100
58 37.0 29.6 44.4
85 15.4 12.0 18.0

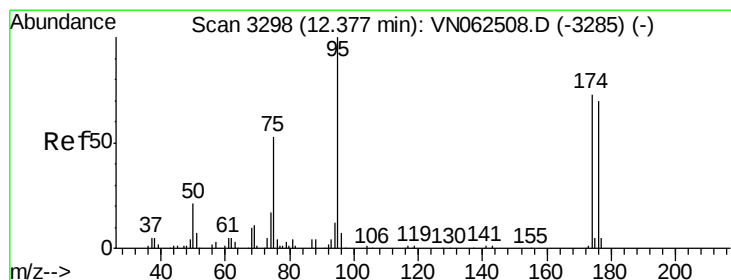
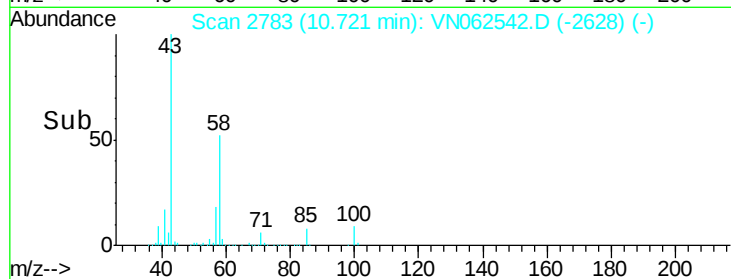
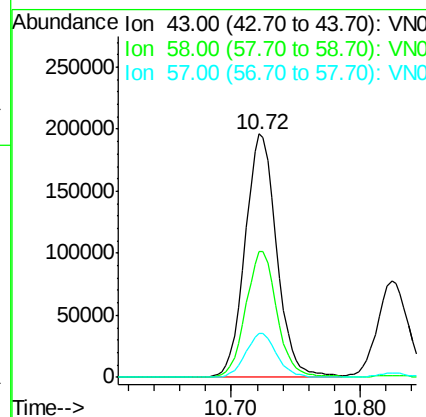
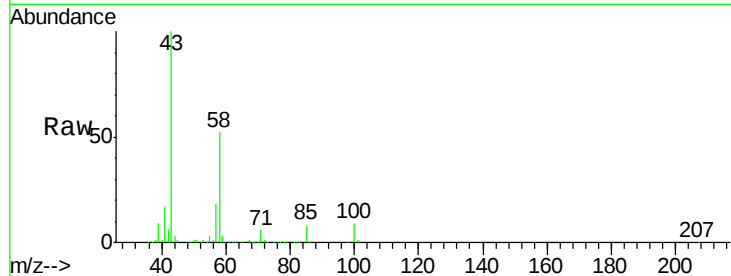




#59
2-Hexanone
Concen: 110.086 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

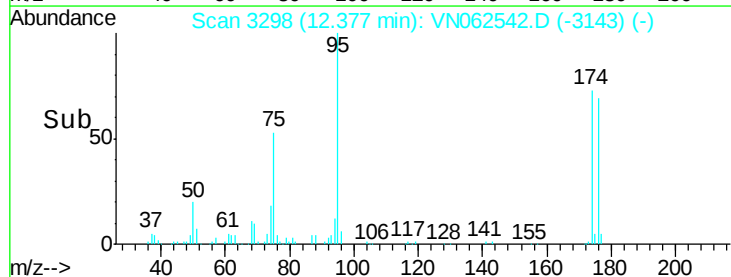
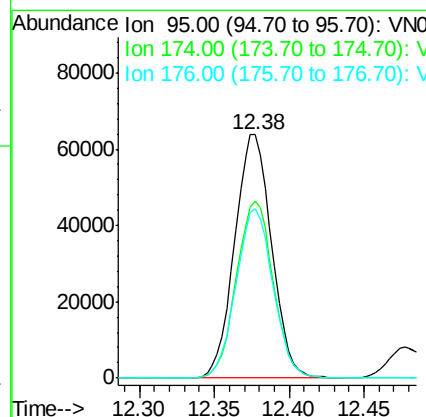
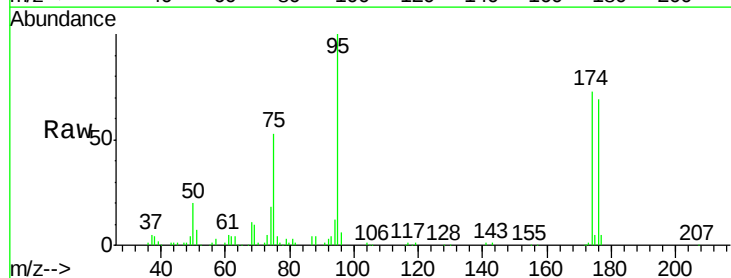
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

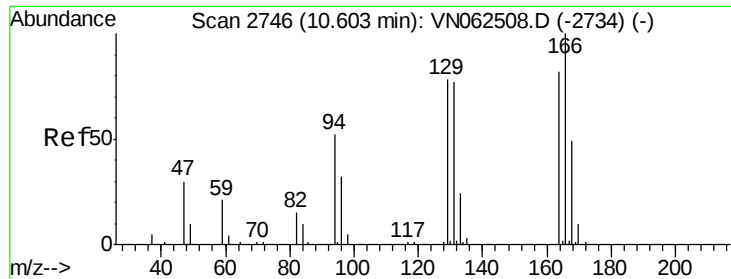
Tot Ion: 43 Resp: 335058
Ion Ratio Lower Upper
43 100
58 51.4 41.2 61.8
57 18.0 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 30.344 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 95 Resp: 109990
Ion Ratio Lower Upper
95 100
174 72.5 57.5 86.3
176 69.6 56.3 84.5

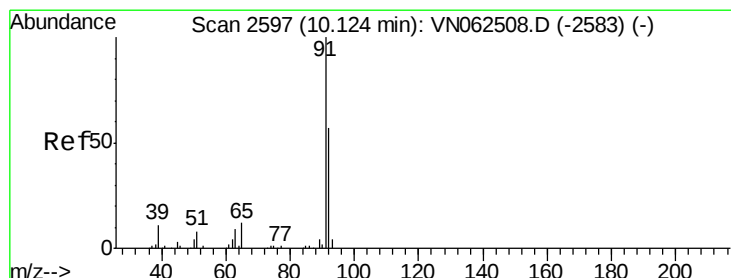
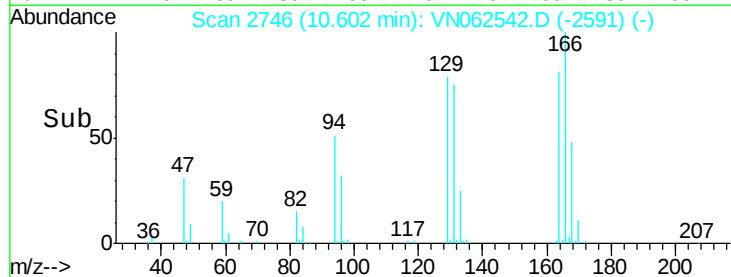
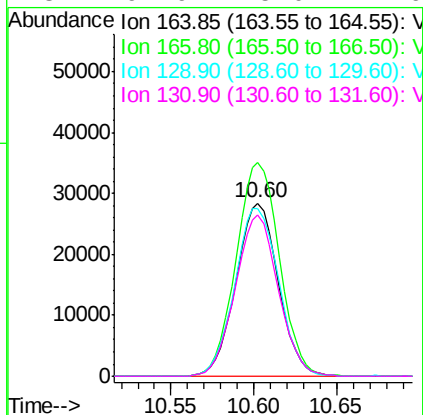
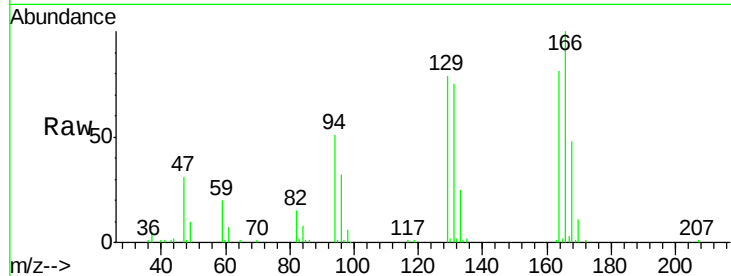




#61
Tetrachloroethene
Concen: 23.103 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

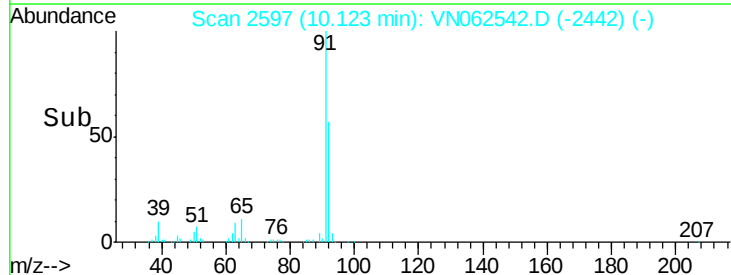
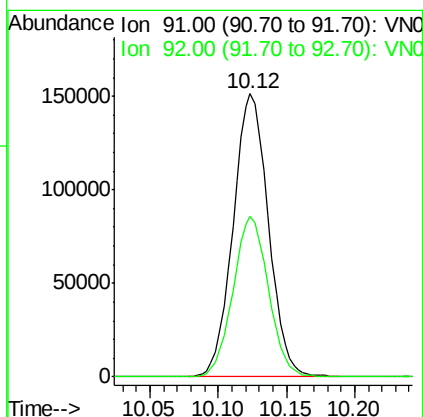
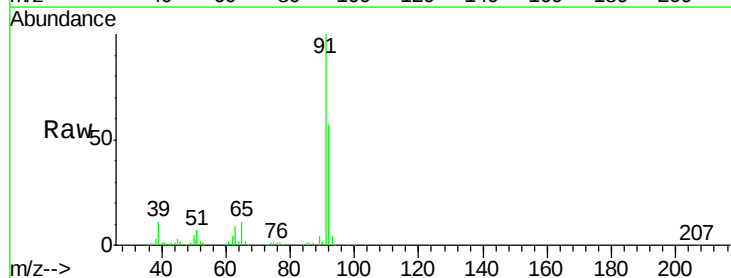
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

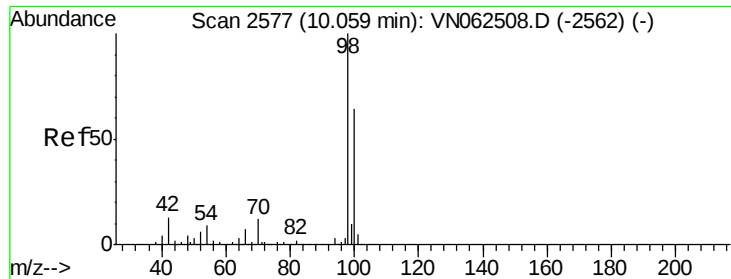
Tot Ion:164 Resp: 50395
Ion Ratio Lower Upper
164 100
166 123.2 97.7 146.5
129 96.8 77.0 115.4
131 92.9 75.0 112.6



#62
Toluene
Concen: 22.470 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 91 Resp: 271528
Ion Ratio Lower Upper
91 100
92 56.9 45.8 68.6





#63

Toluene-d8

Concen: 30.350 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

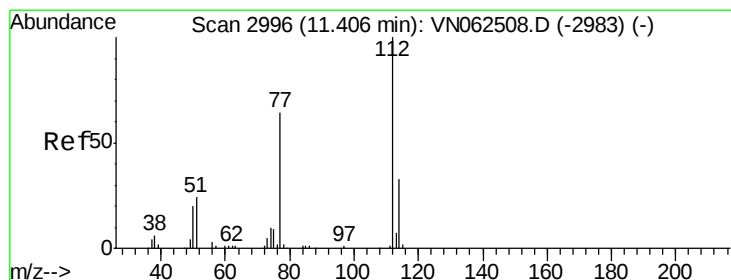
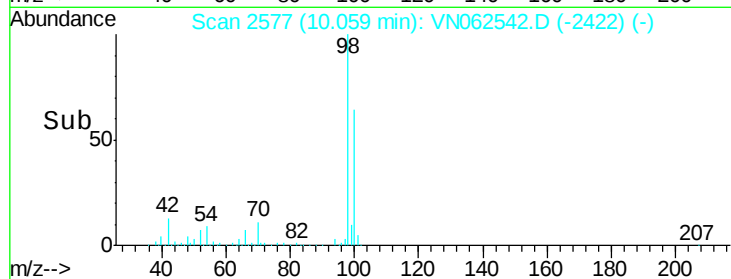
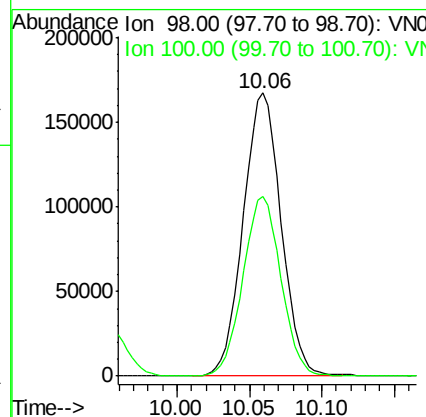
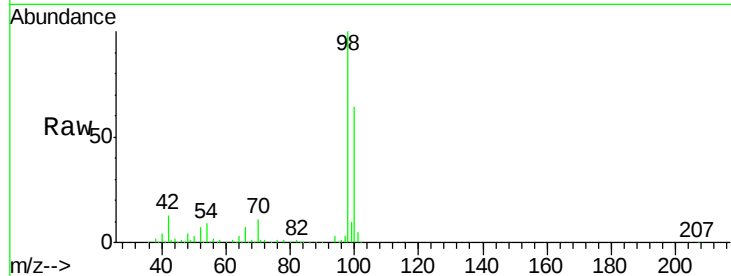
VSTDCCC020

Tot Ion: 98 Resp: 305474

Ion Ratio Lower Upper

98 100

100 62.9 50.4 75.6



#64

Chlorobenzene

Concen: 22.414 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062542.D

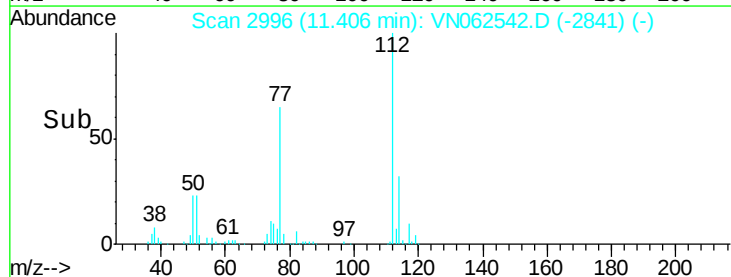
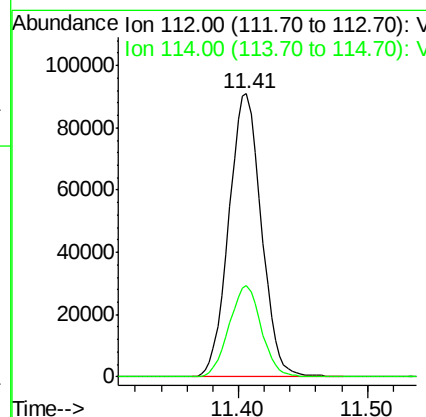
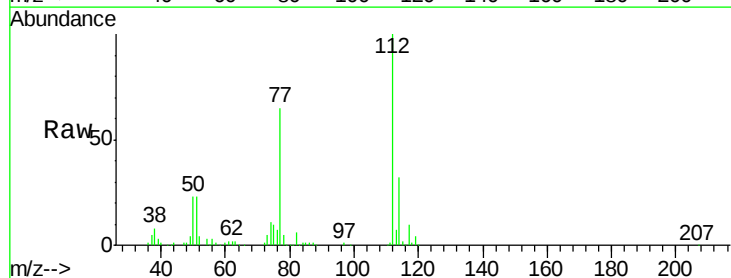
Acq: 16 Jul 2020 12:18

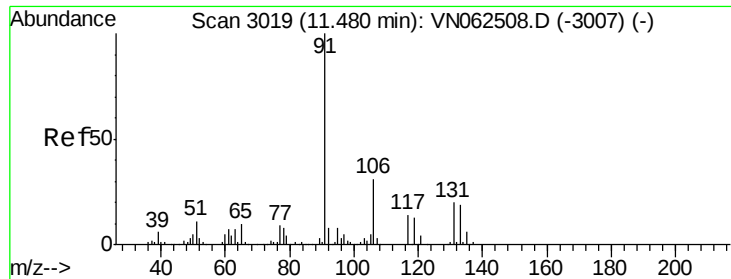
Tgt Ion: 112 Resp: 159154

Ion Ratio Lower Upper

112 100

114 32.3 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 22.345 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

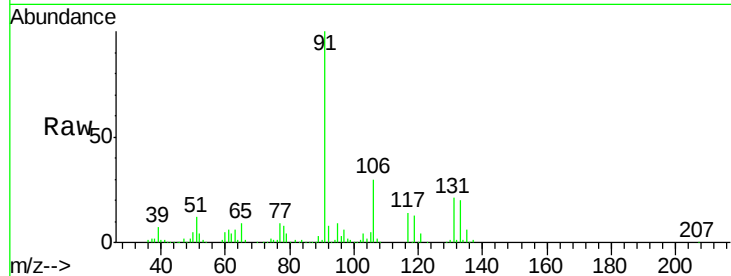
Tot Ion:131 Resp: 58729

Ion Ratio Lower Upper

131 100

133 97.7 0.0 191.4

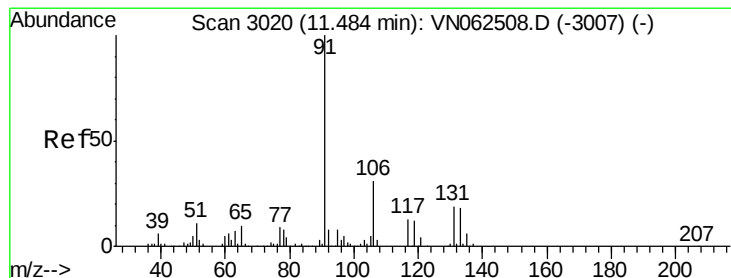
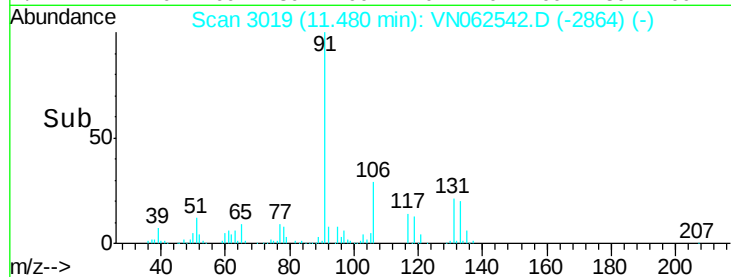
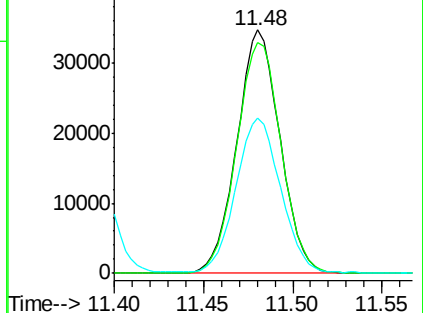
119 66.5 0.0 136.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.943 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062542.D

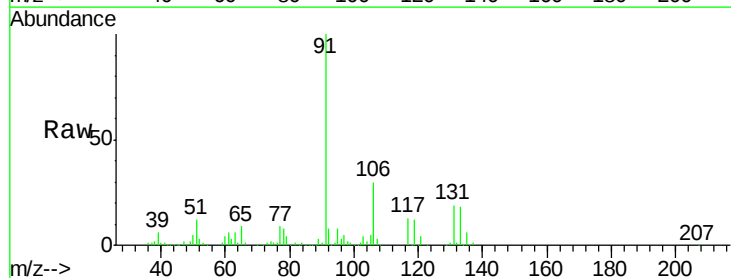
Acq: 16 Jul 2020 12:18

Tgt Ion: 91 Resp: 293628

Ion Ratio Lower Upper

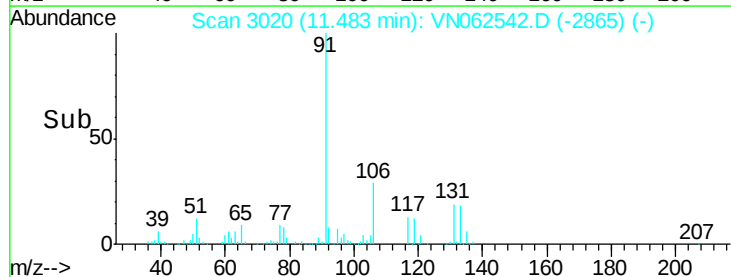
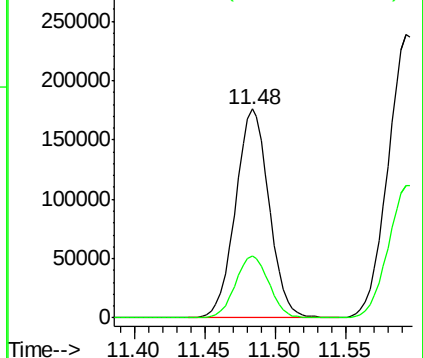
91 100

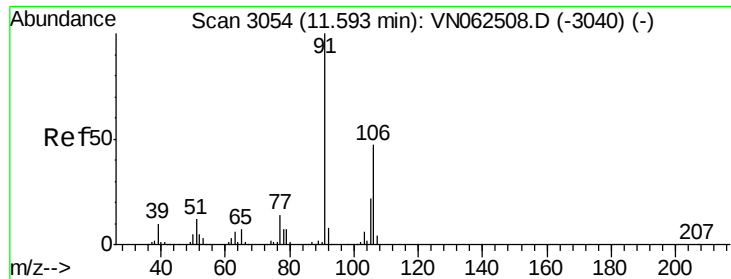
106 29.9 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 44.291 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

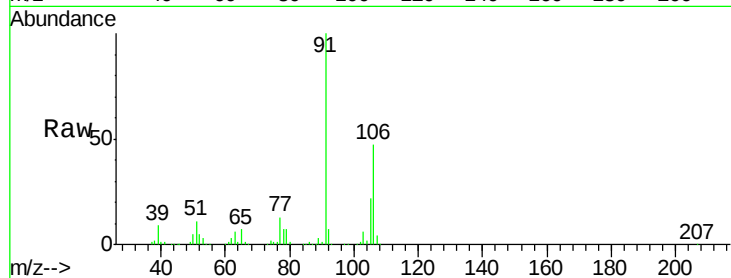
VSTDCCC020

Tot Ion:106 Resp: 215117

Ion Ratio Lower Upper

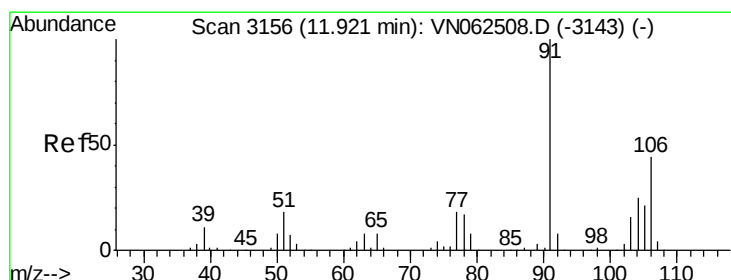
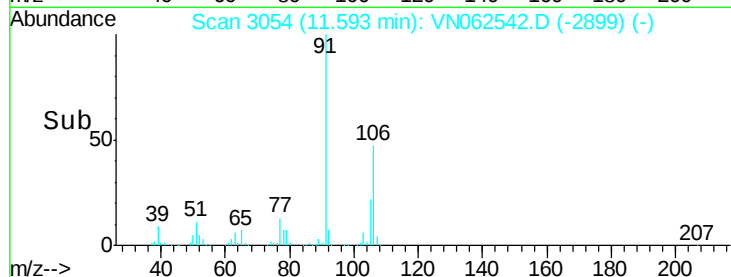
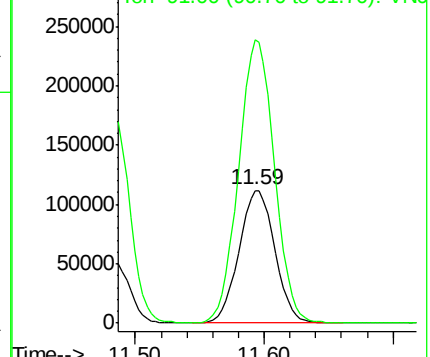
106 100

91 212.5 170.7 256.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 21.606 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062542.D

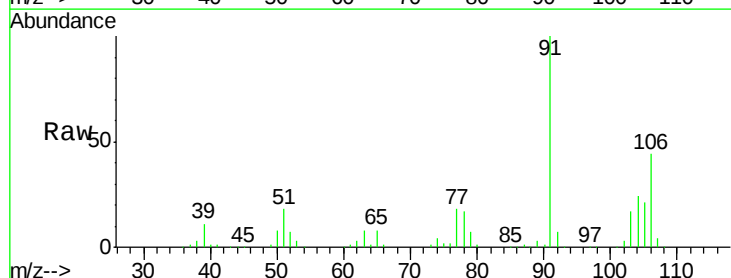
Acq: 16 Jul 2020 12:18

Tgt Ion:106 Resp: 100708

Ion Ratio Lower Upper

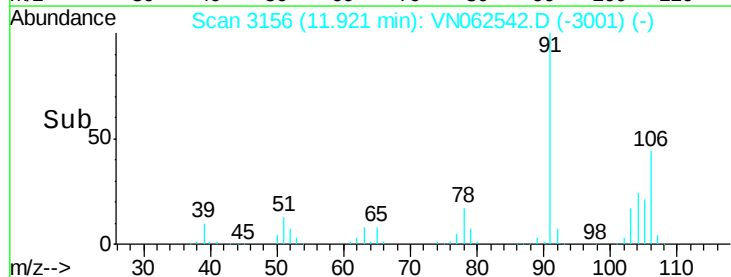
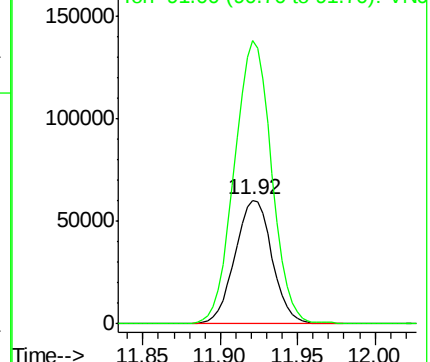
106 100

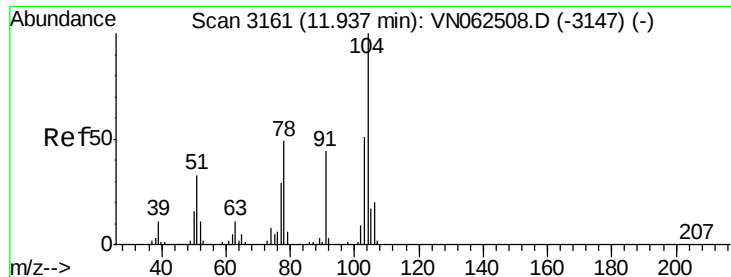
91 229.2 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

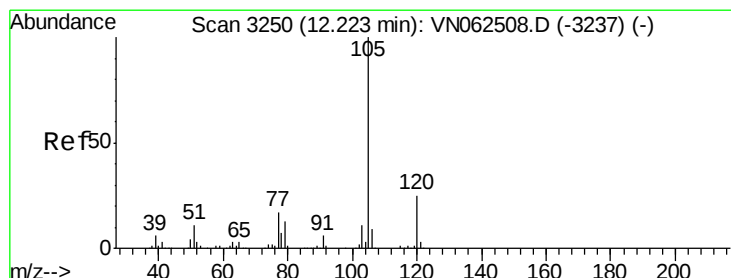
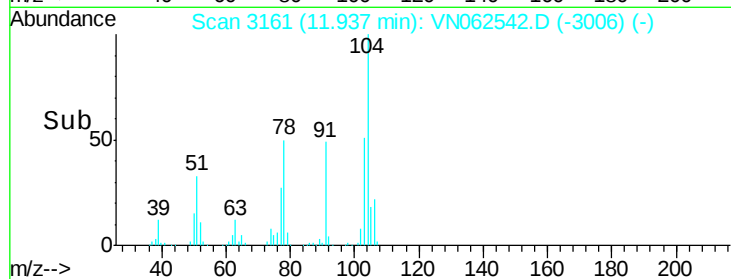
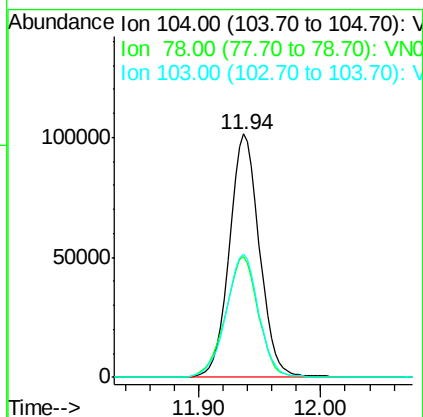
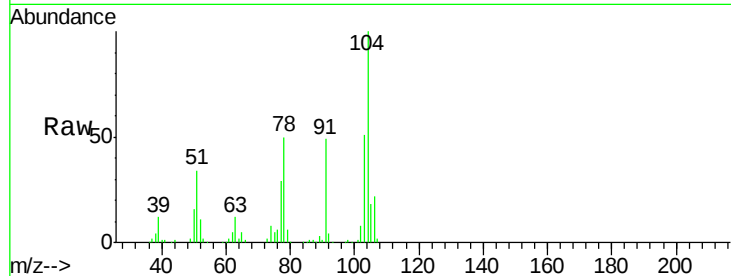




#69
Stvrene
Concen: 22.094 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

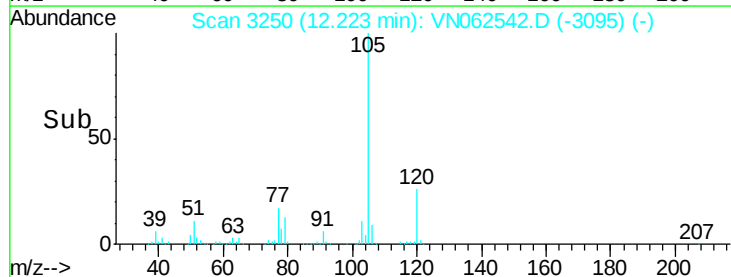
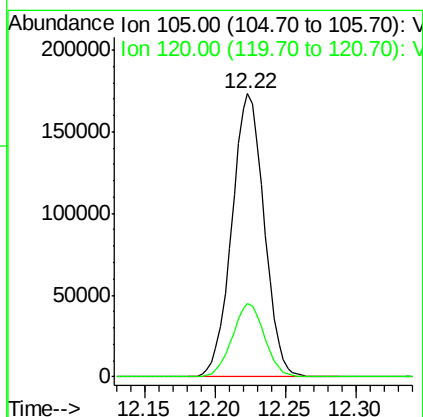
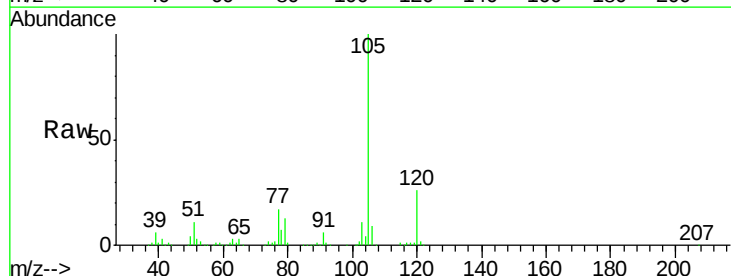
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

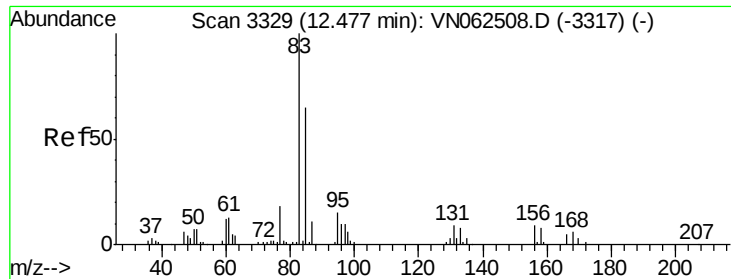
Tot Ion:104 Resp: 174788
Ion Ratio Lower Upper
104 100
78 54.2 43.9 65.9
103 54.9 43.8 65.6



#70
Isopropylbenzene
Concen: 22.233 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion:105 Resp: 278193
Ion Ratio Lower Upper
105 100
120 25.8 17.6 32.8

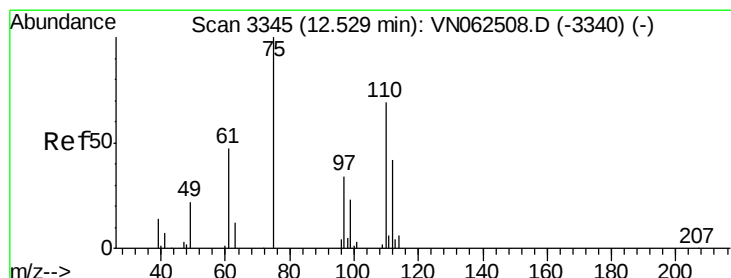
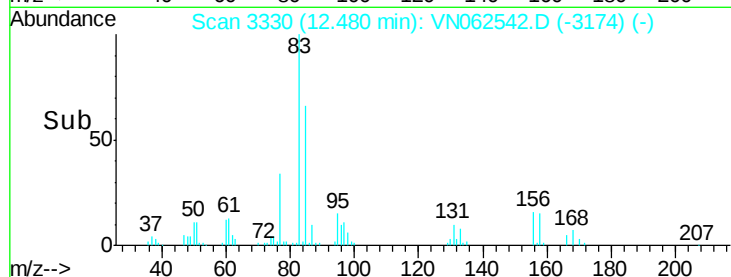
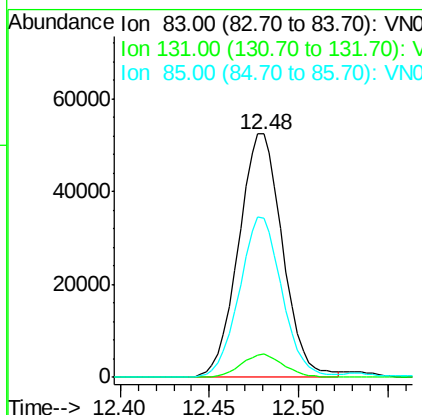
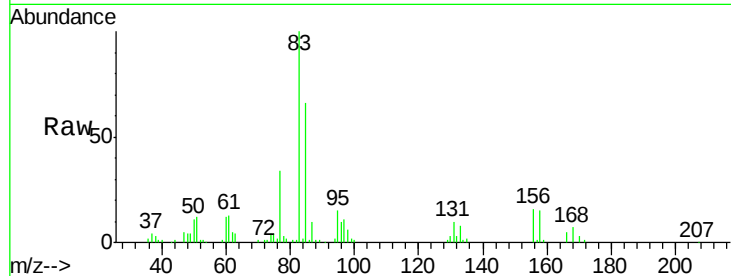




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.351 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

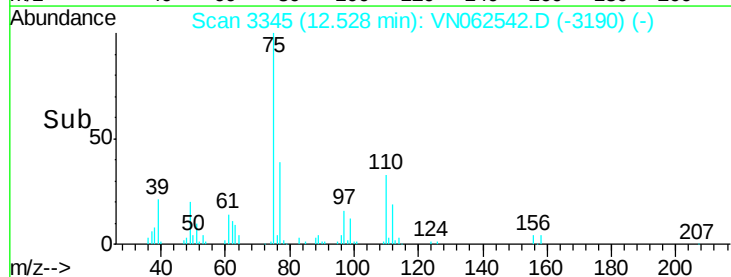
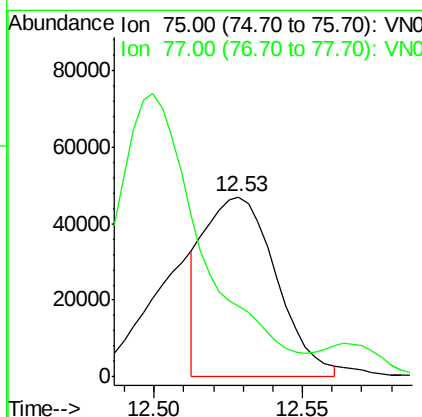
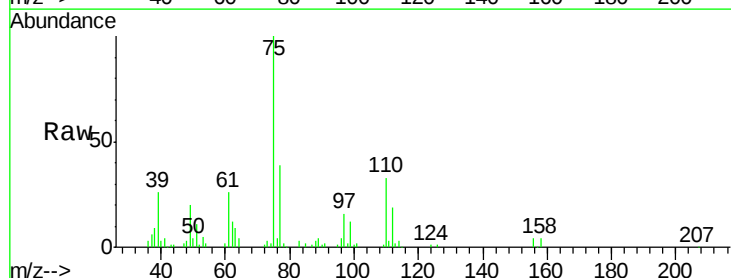
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

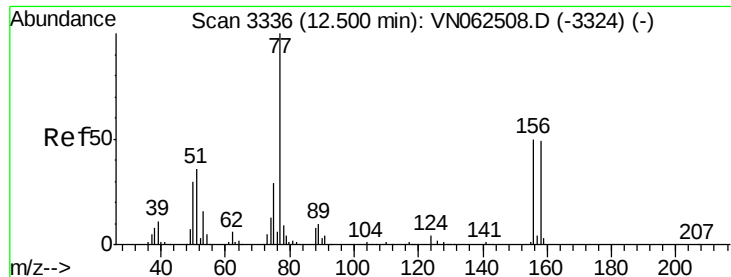
Tot Ion: 83 Resp: 90387
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.7
 85 63.7 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 20.063 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 75 Resp: 78921
 Ion Ratio Lower Upper
 75 100
 77 193.2 0.0 376.2

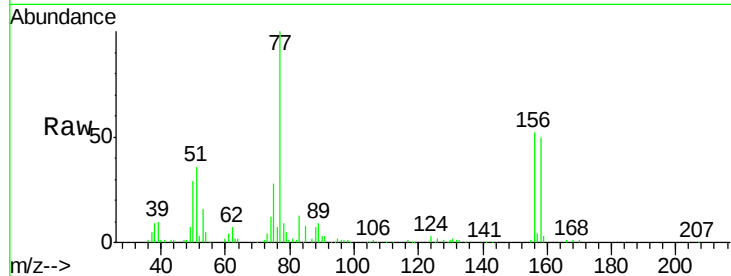




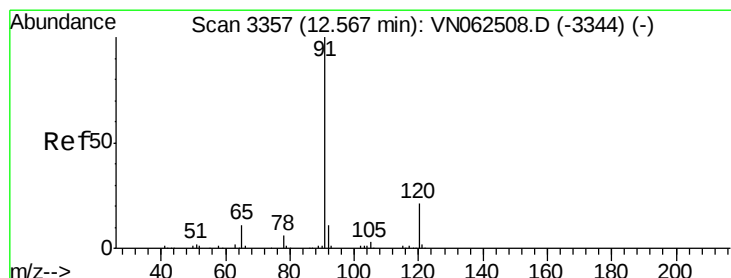
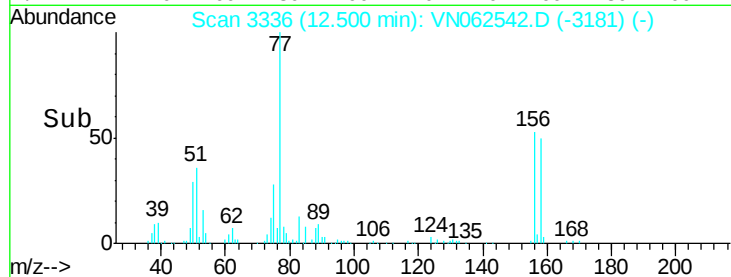
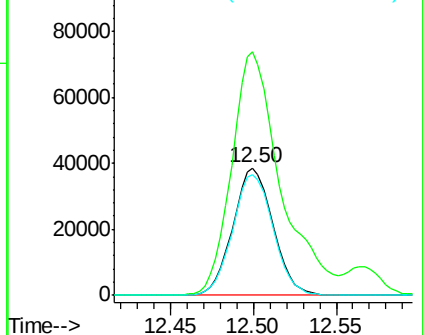
#73
Bromobenzene
Concen: 22.500 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:156 Resp: 65201
Ion Ratio Lower Upper
156 100
77 233.9 0.0 485.0
158 96.2 0.0 192.6

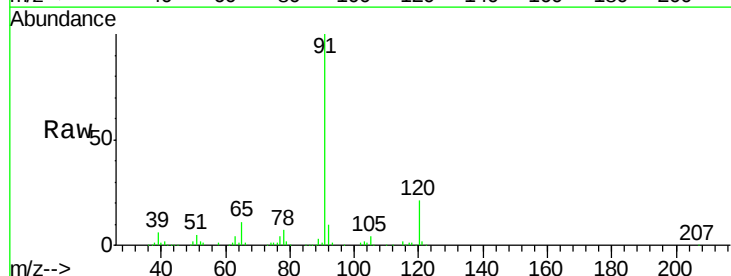


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

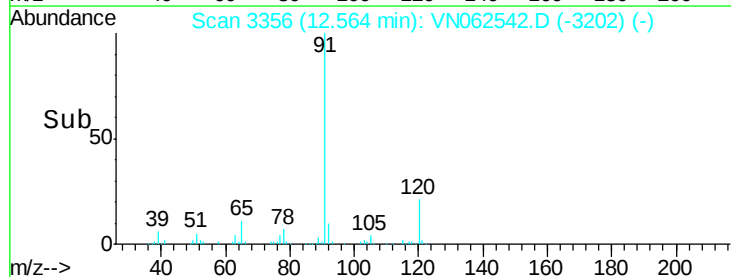
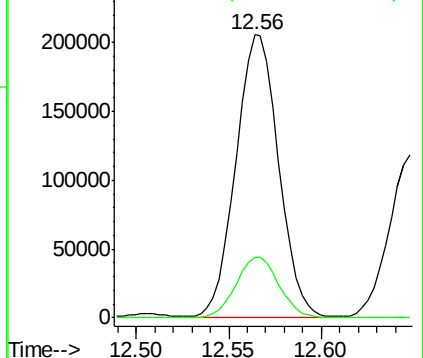


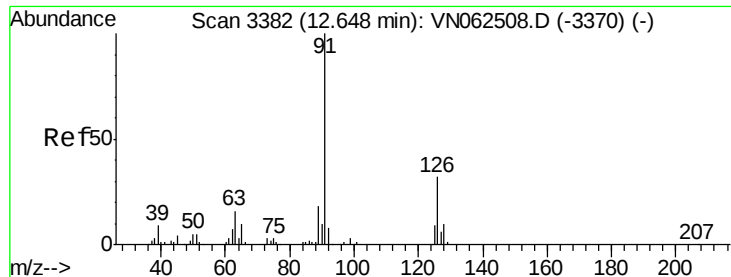
#74
n-propylbenzene
Concen: 22.149 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 91 Resp: 329421
Ion Ratio Lower Upper
91 100
120 21.4 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.096 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

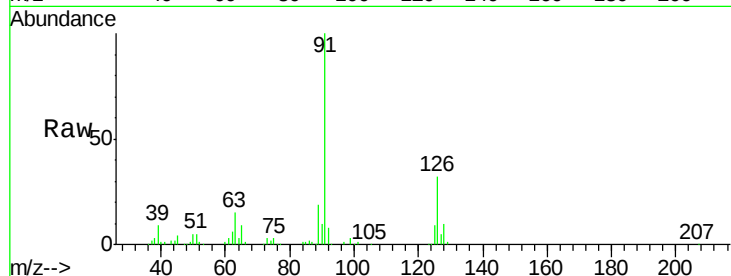
VSTDCCC020

Tot Ion: 91 Resp: 197866

Ion Ratio Lower Upper

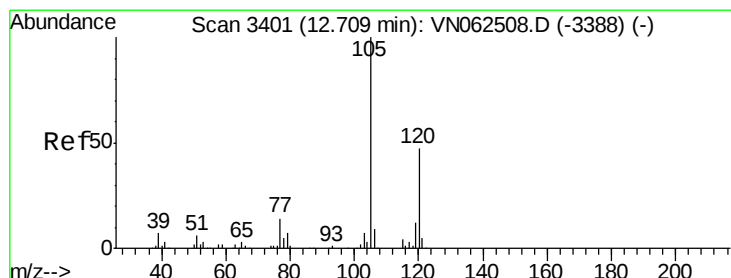
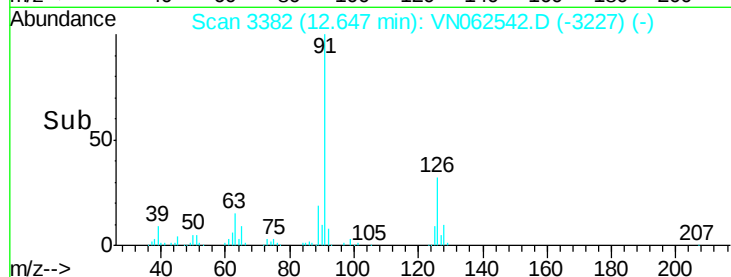
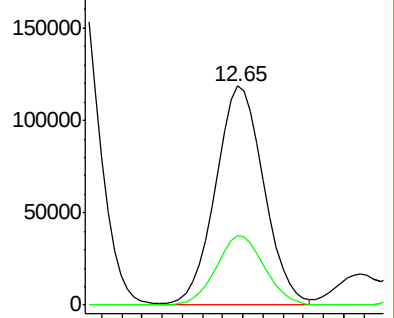
91 100

126 32.0 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062508.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 22.311 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062542.D

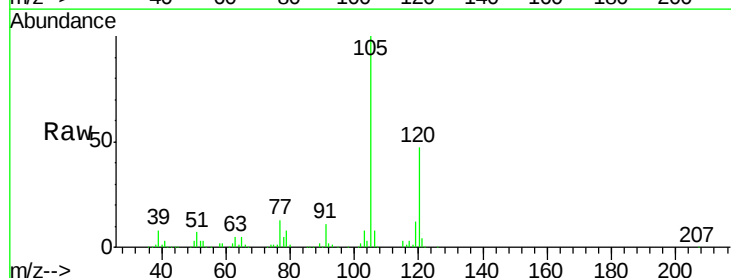
Acq: 16 Jul 2020 12:18

Tgt Ion: 105 Resp: 237862

Ion Ratio Lower Upper

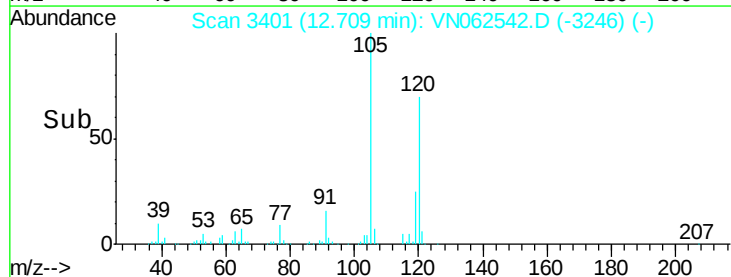
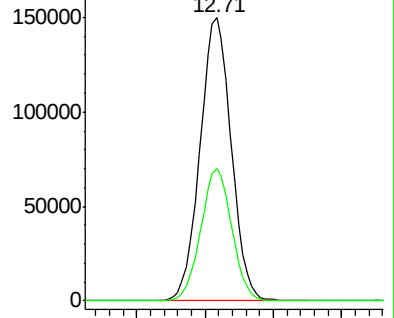
105 100

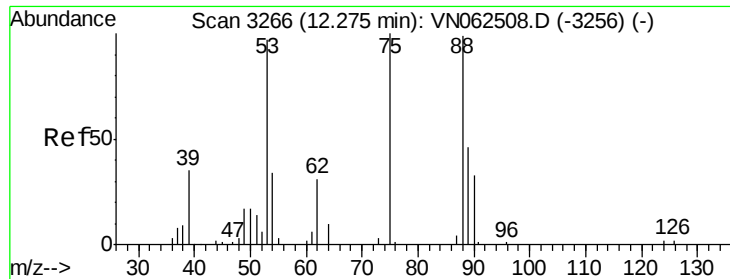
120 46.4 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062508.D (-3388) (-)

Ion 120.00 (119.70 to 120.70): VN062508.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.118 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

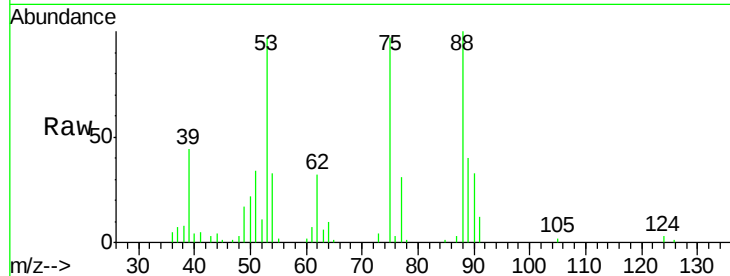
Tot Ion: 75 Resp: 29597

Ion Ratio Lower Upper

75 100

53 100.2 48.3 144.8

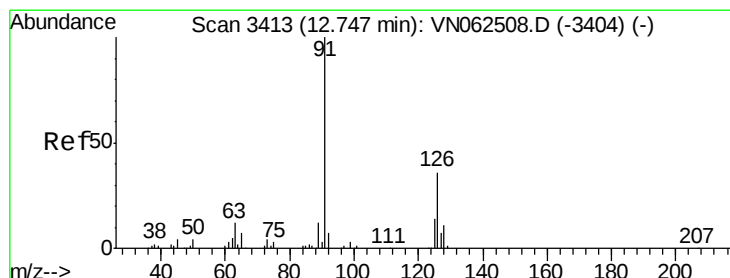
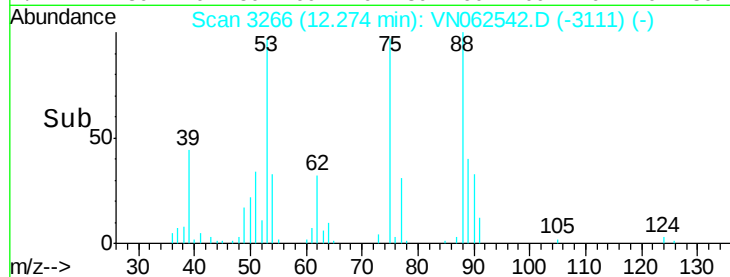
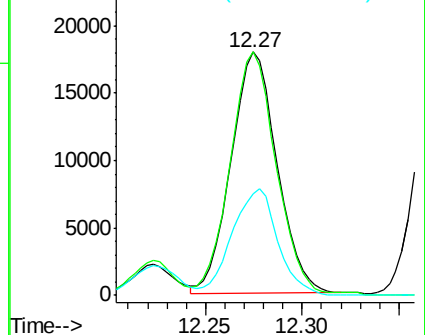
89 42.3 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN062508.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062508.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN062508.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 21.954 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062542.D

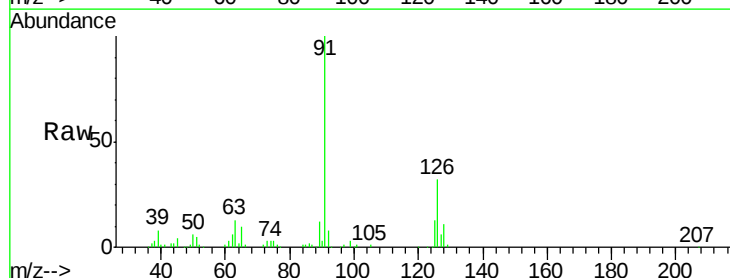
Acq: 16 Jul 2020 12:18

Tgt Ion: 91 Resp: 200601

Ion Ratio Lower Upper

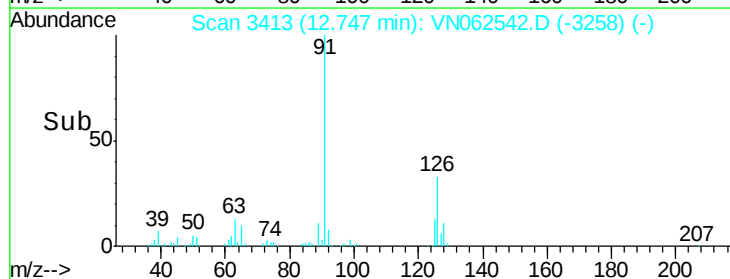
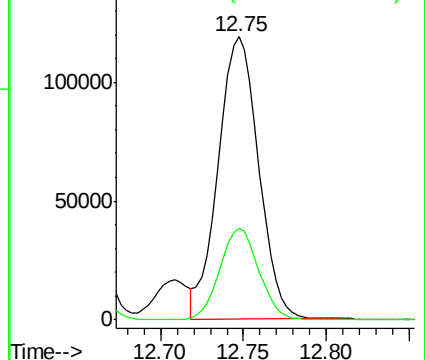
91 100

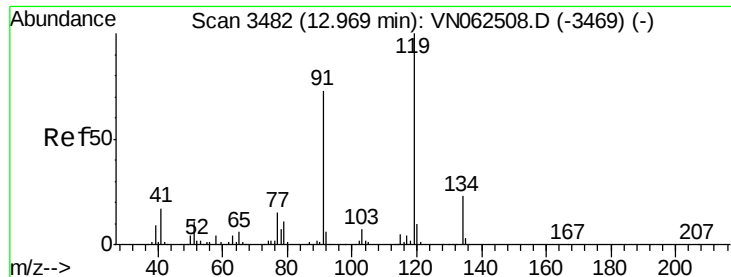
126 31.4 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN062508.D (-3404) (-)

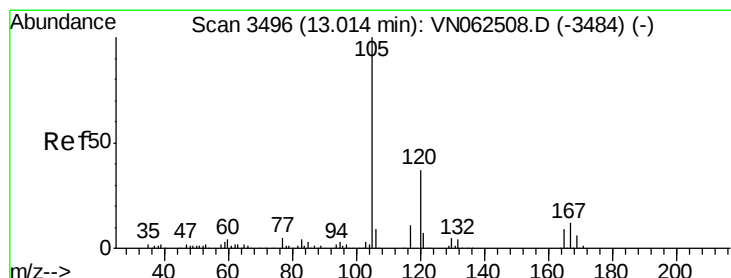
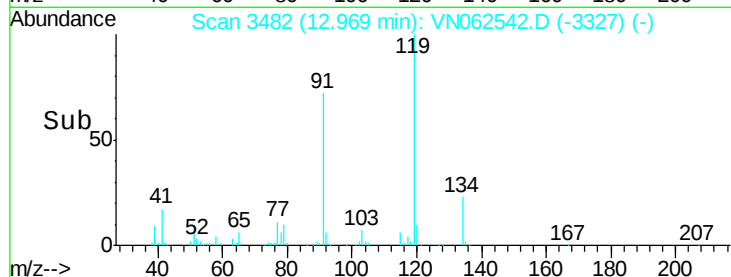
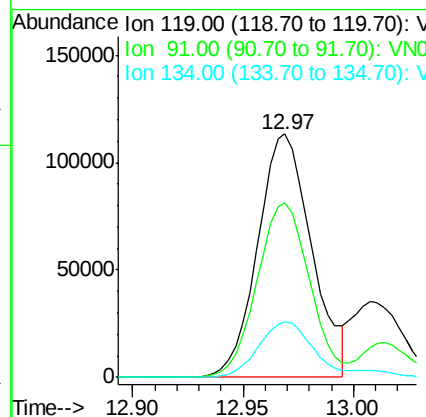
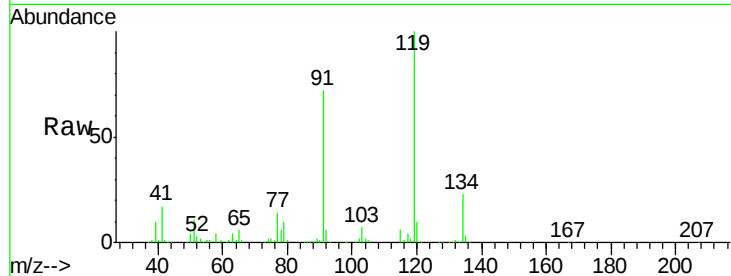




#79
tert-butylbenzene
Concen: 21.794 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

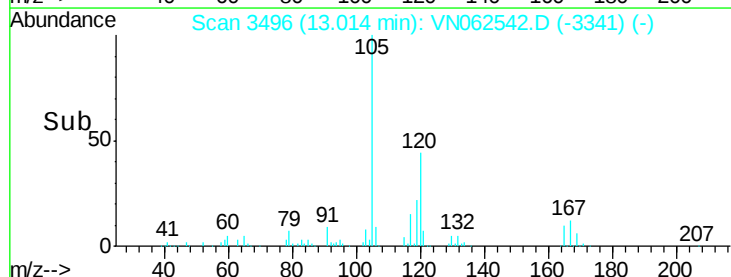
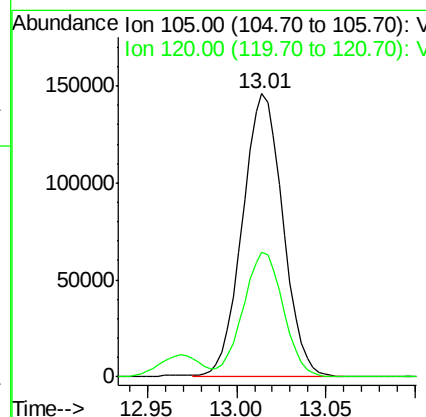
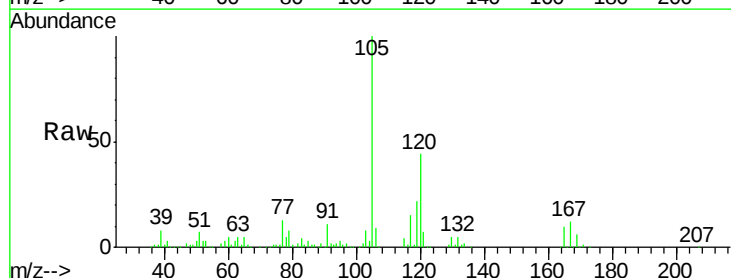
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

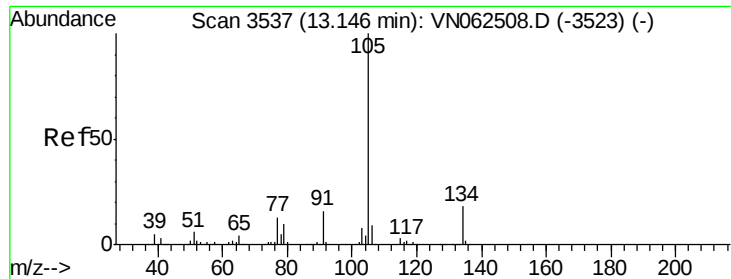
Tot Ion:119 Resp: 192405
Ion Ratio Lower Upper
119 100
91 70.2 0.0 139.8
134 22.8 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 21.933 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion:105 Resp: 229978
Ion Ratio Lower Upper
105 100
120 44.1 0.0 86.6





#81

sec-Butylbenzene

Concen: 22.158 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

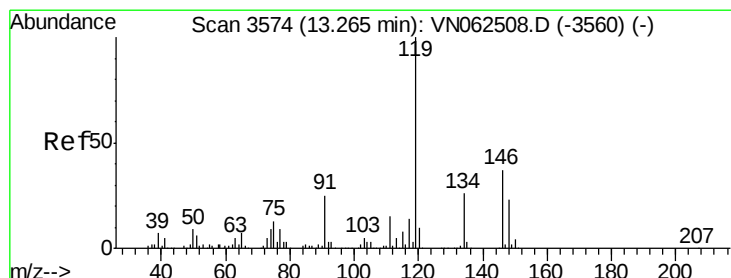
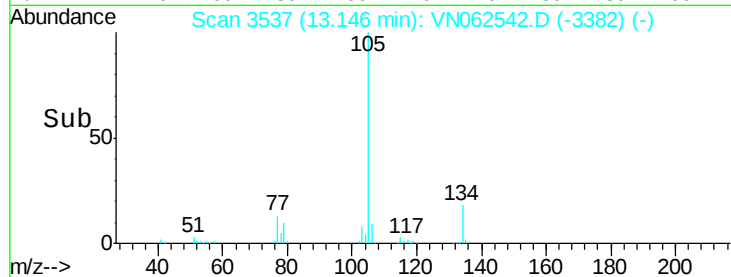
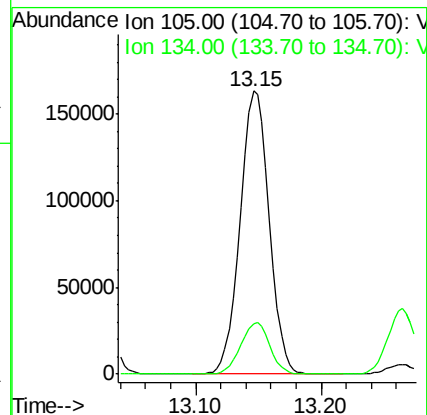
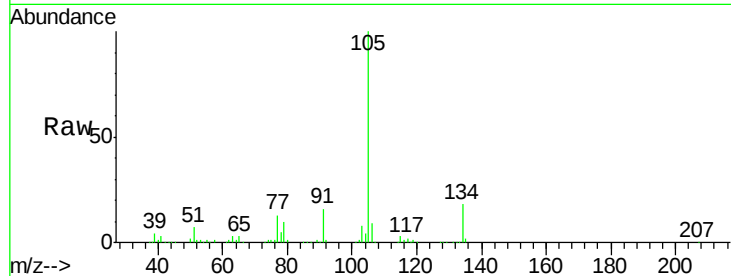
VSTDCCC020

Tot Ion:105 Resp: 262703

Ion Ratio Lower Upper

105 100

134 18.4 0.0 37.2



#82

p-Isopropyltoluene

Concen: 21.897 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

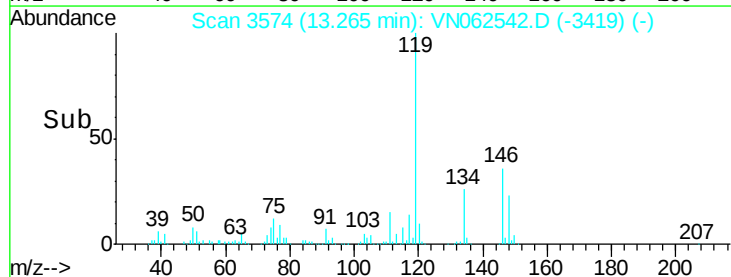
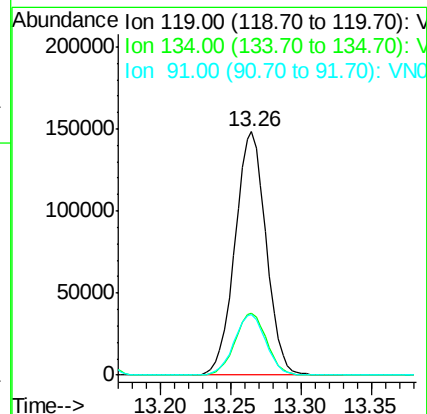
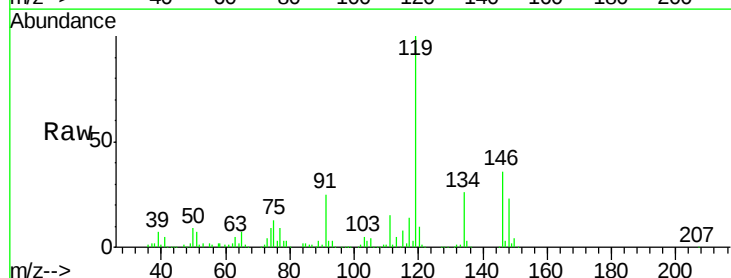
Tgt Ion:119 Resp: 229098

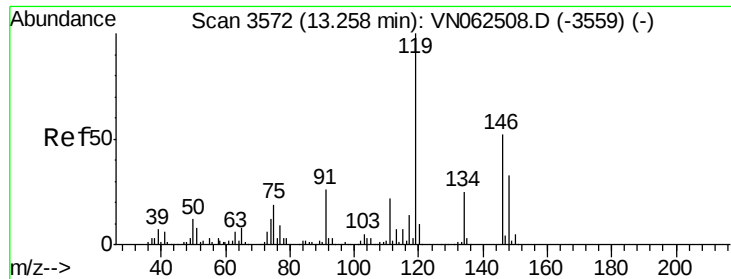
Ion Ratio Lower Upper

119 100

134 25.8 0.0 50.8

91 25.3 0.0 51.2

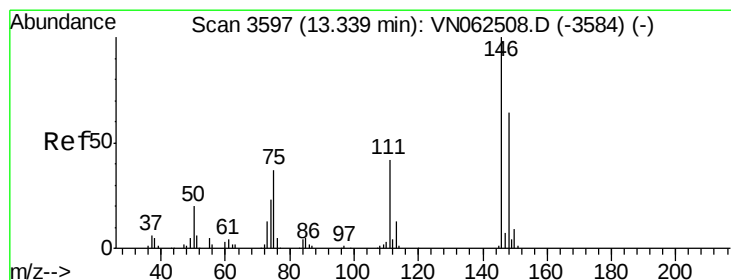
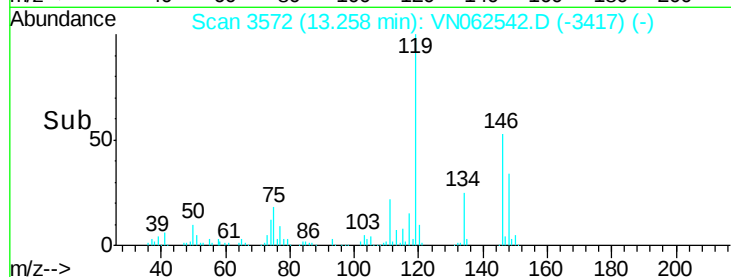
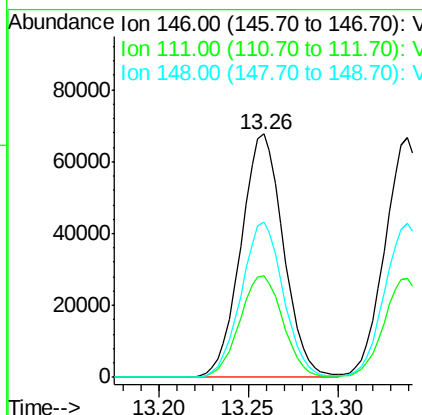
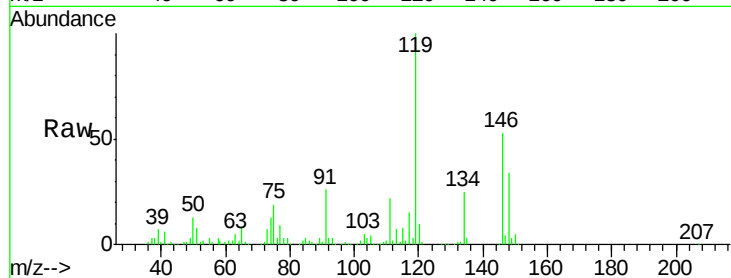




#83
 1,3-Dichlorobenzene
 Concen: 22.401 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

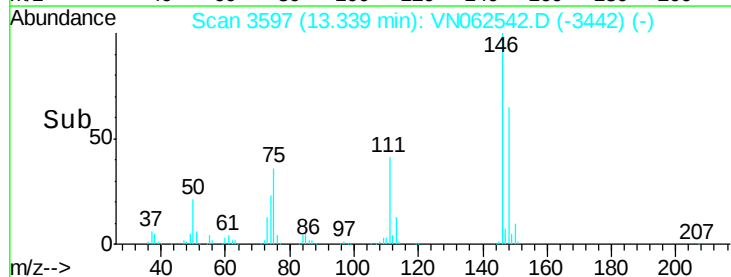
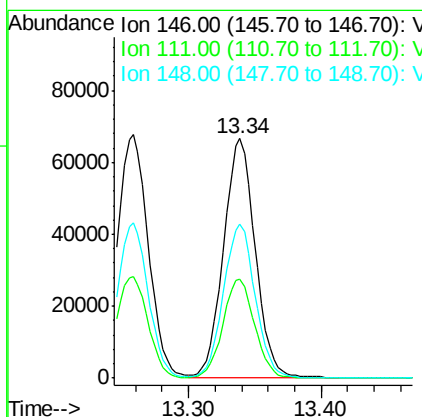
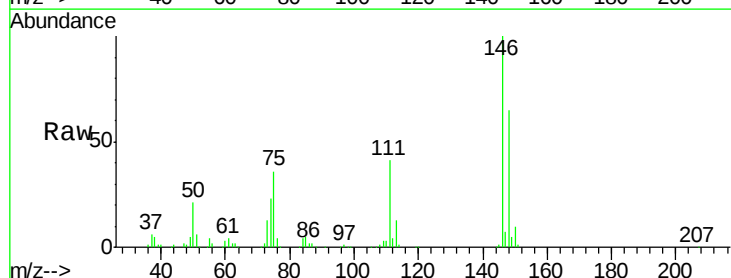
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

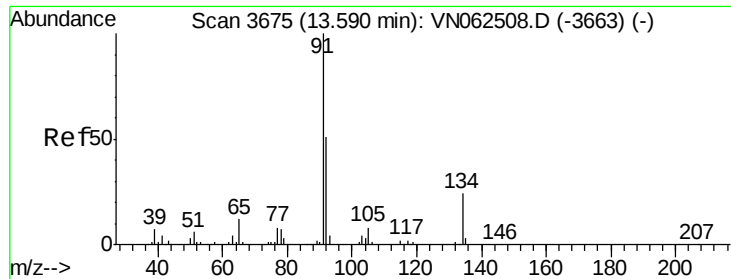
Tot Ion:146 Resp: 112733
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.0 63.0
 148 63.0 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 22.416 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion:146 Resp: 111317
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.4 64.2
 148 63.2 32.4 97.2

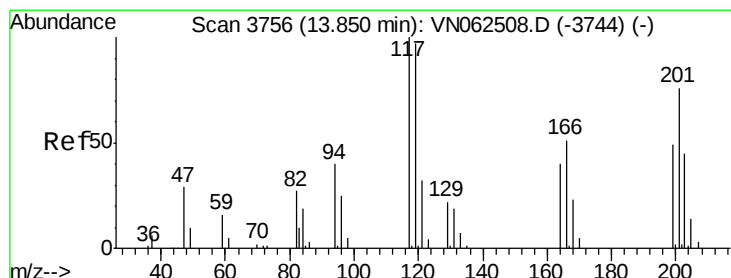
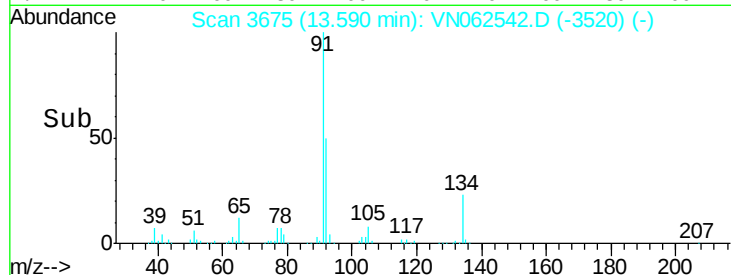
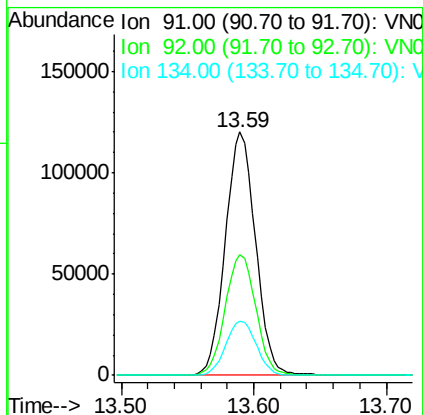
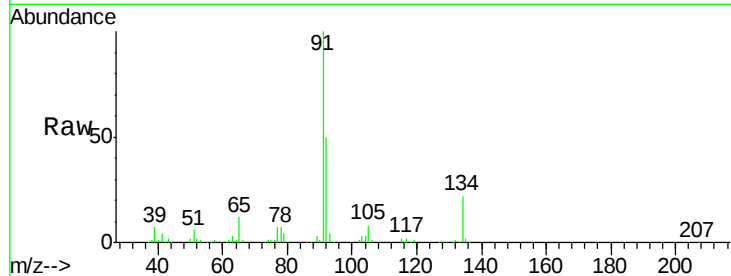




#85
n-Butylbenzene
Concen: 21.251 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

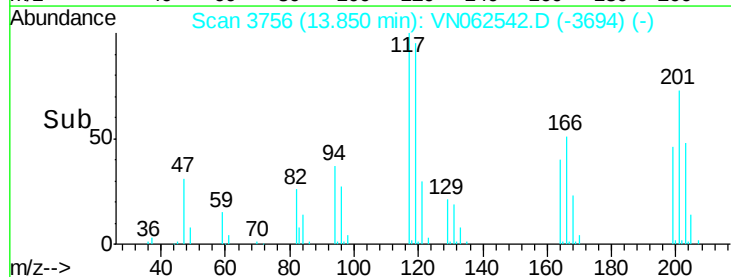
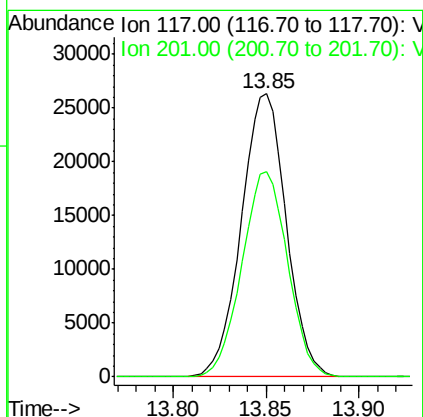
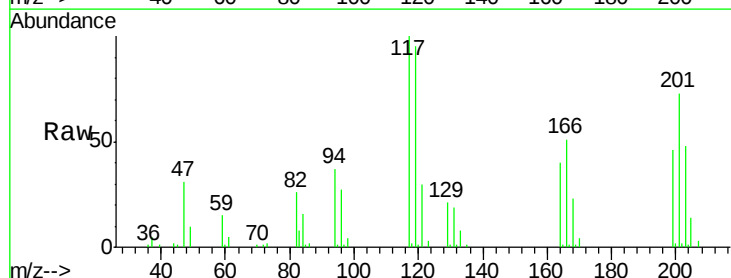
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

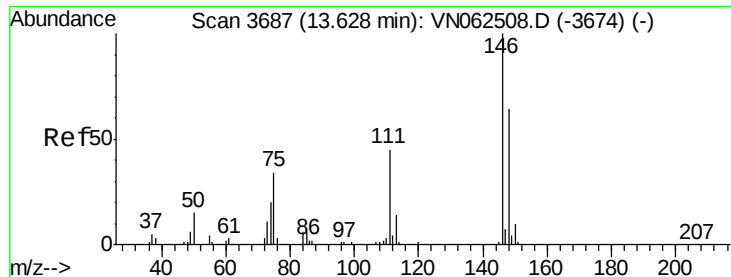
Tot Ion: 91 Resp: 190721
Ion Ratio Lower Upper
91 100
92 50.1 0.0 102.4
134 22.7 0.0 46.6



#86
Hexachloroethane
Concen: 22.075 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion: 117 Resp: 44567
Ion Ratio Lower Upper
117 100
201 73.8 37.4 112.2

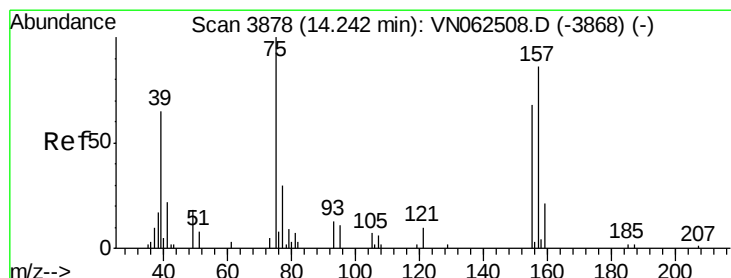
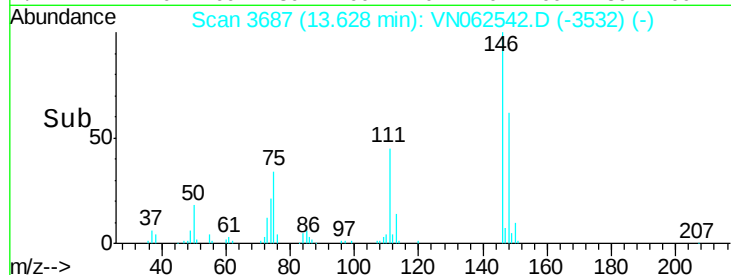
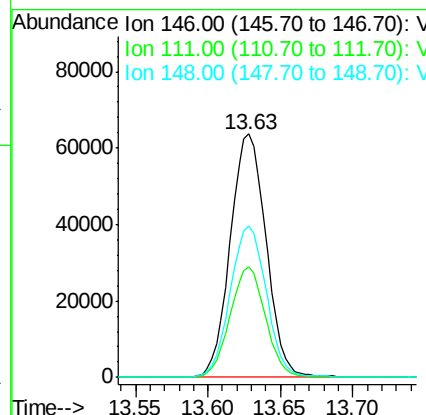
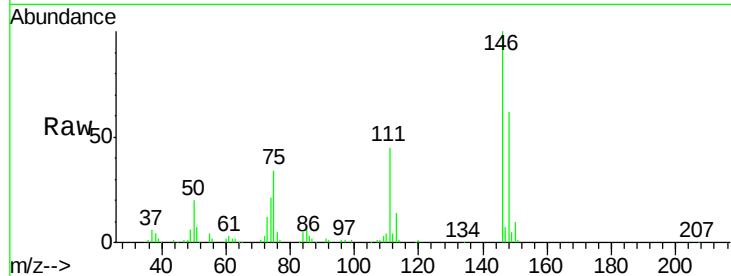




#87
 1,2-Dichlorobenzene
 Concen: 22.623 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

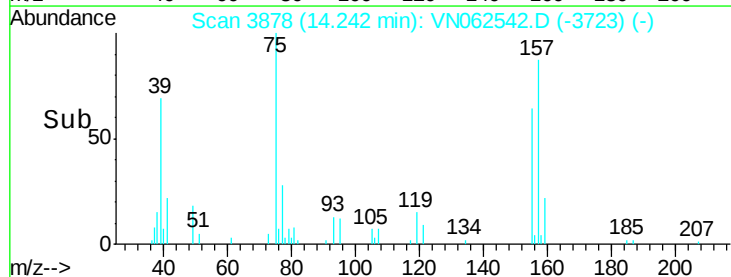
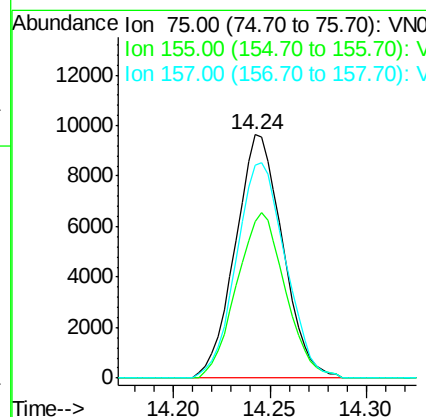
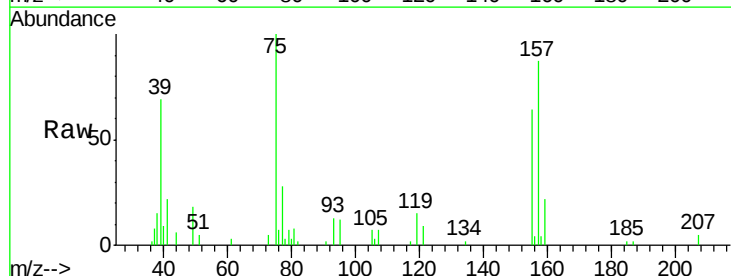
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

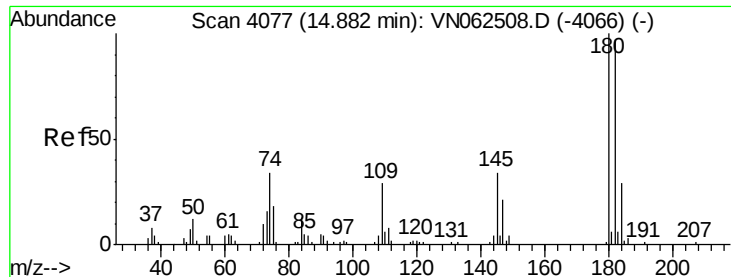
Tot Ion:146 Resp: 109478
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.4 67.0
 148 62.5 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.516 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062542.D
 Acq: 16 Jul 2020 12:18

Tgt Ion: 75 Resp: 16432
 Ion Ratio Lower Upper
 75 100
 155 69.5 55.7 83.5
 157 91.7 71.0 106.6

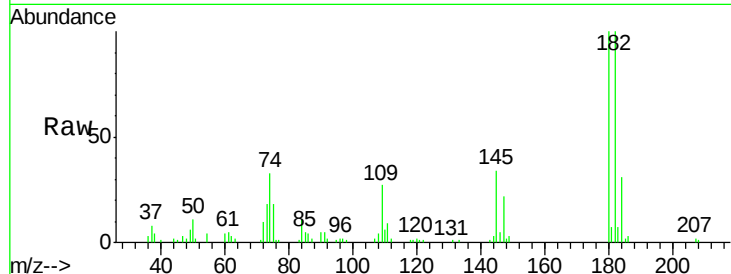




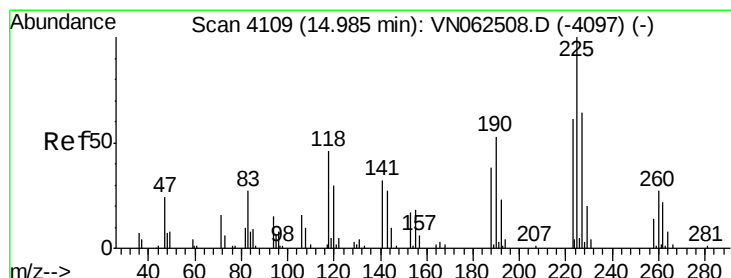
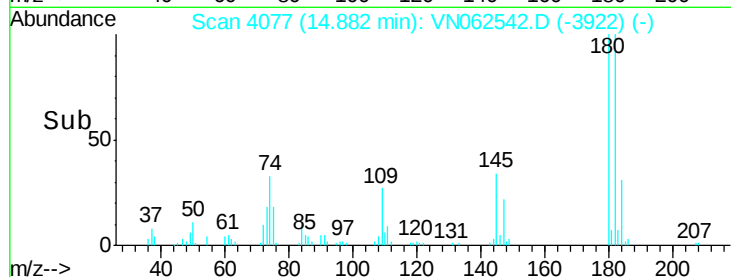
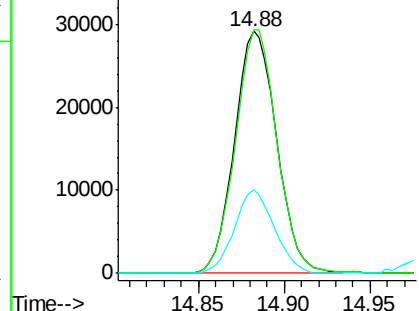
#89
1,2,4-Trichlorobenzene
Concen: 20.686 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	77.5	116.3
145	32.6	26.1	39.1

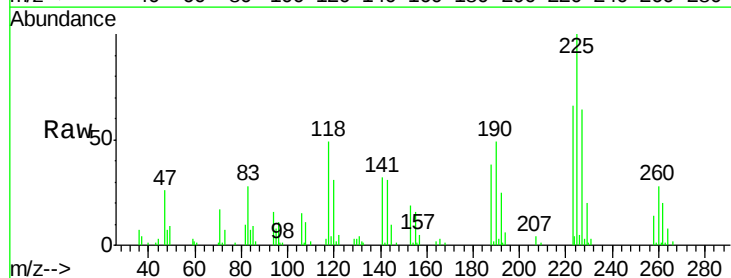


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

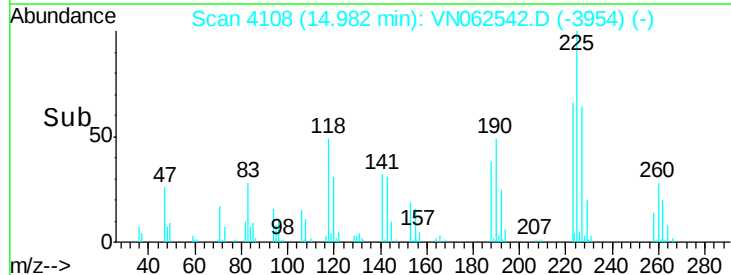
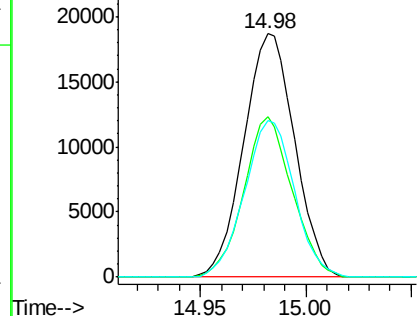


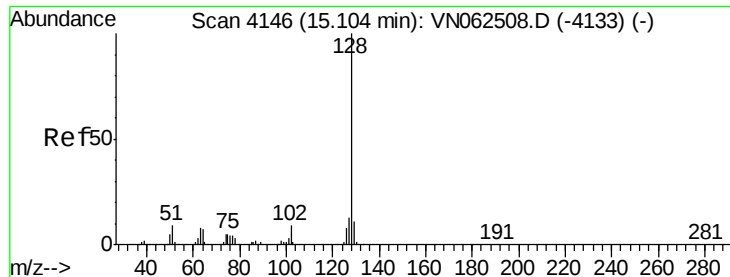
#90
Hexachlorobutadiene
Concen: 23.425 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062542.D
Acq: 16 Jul 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	120.4
227	63.1	0.0	129.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.373 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

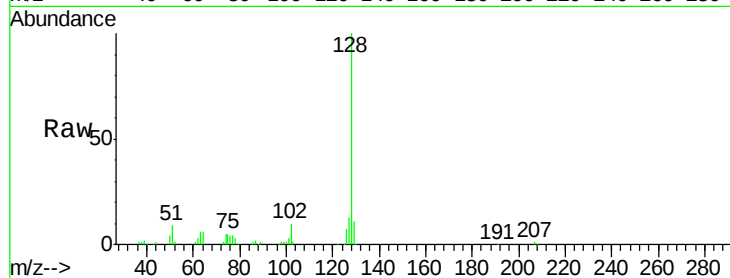
Tot Ion:128 Resp: 126546

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

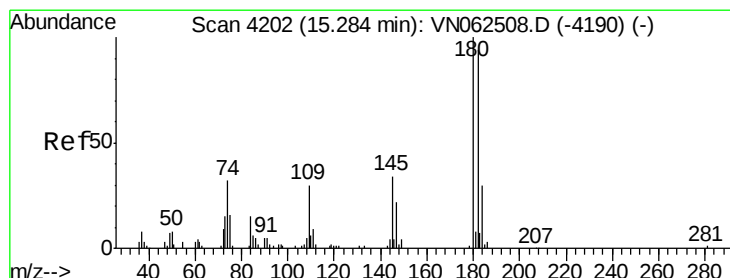
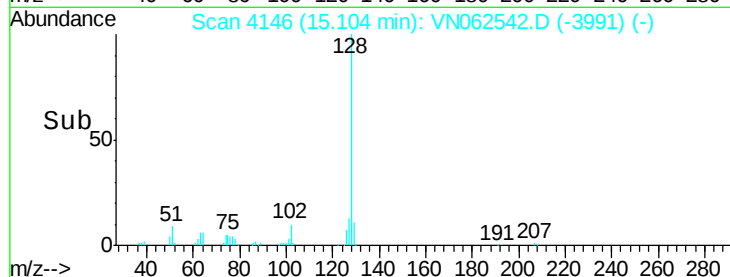
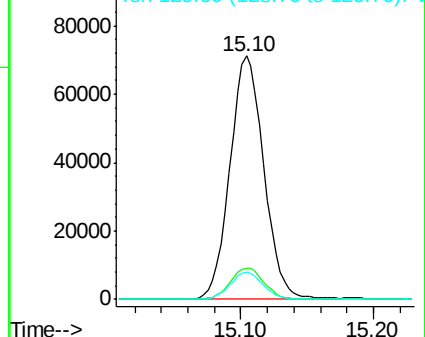
129 10.9 8.8 13.2



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



#92

1,2,3-Trichlorobenzene

Concen: 21.394 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062542.D

Acq: 16 Jul 2020 12:18

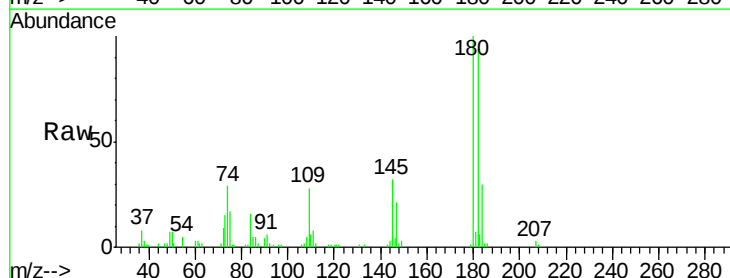
Tgt Ion:180 Resp: 51947

Ion Ratio Lower Upper

180 100

182 95.5 0.0 187.2

145 33.5 0.0 67.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

