

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062562.D
 Acq On : 20 Jul 2020 15:38
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 21 01:32:43 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	42171	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	227416	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	216215	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	106722	29.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.20%
60) 4-Bromofluorobenzene	12.37	95	110202	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	10.06	98	304050	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	49384	19.840	ug/l 100
3) Chloromethane	2.04	50	64944	18.070	ug/l 95
4) Vinyl Chloride	2.16	62	59805	19.036	ug/l 100
5) Bromomethane	2.54	94	25359	16.271	ug/l 97
6) Chloroethane	2.67	64	29519	19.086	ug/l 93
7) Trichlorofluoromethane	2.99	101	77417	21.025	ug/l 99
8) Diethyl Ether	3.38	74	34505	19.493	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47963	20.149	ug/l 97
10) 1,1-Dichloroethene	3.70	96	47635	19.616	ug/l 94
11) Methyl Iodide	3.91	142	37089	12.472	ug/l 99
12) Methyl Acetate	4.28	43	60846	18.682	ug/l 99
13) Acrolein	3.57	56	35574	73.107	ug/l 97
14) Acrylonitrile	4.93	53	137226	90.596	ug/l 100
15) Acetone	3.77	58	37052	79.685	ug/l 89
16) Carbon Disulfide	4.01	76	149334	18.870	ug/l 100
17) Allyl chloride	4.27	41	90914	17.603	ug/l 98
18) Methylene Chloride	4.50	84	58774	19.670	ug/l 95
19) trans-1,2-Dichloroethene	4.98	96	52635	19.583	ug/l 98
20) Diisopropyl ether	5.90	45	209933	19.773	ug/l 98
21) 1,1-Dichloroethane	5.80	63	110831	19.745	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	60061	19.815	ug/l 98
23) tert-Butyl Alcohol	4.73	59	43173	85.168	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	172715	19.291	ug/l # 78
25) Chloroform	7.33	83	104043	20.212	ug/l 98
26) Cyclohexane	7.61	56	94042	19.008	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	80462	20.859	ug/l 100
30) 2-Butanone	6.78	43	183966	89.924	ug/l 98
31) 2,2-Dichloropropane	6.77	77	91334	20.998	ug/l # 73
32) 1,1,1-Trichloroethane	7.53	97	88002	21.225	ug/l 99
33) Carbon Tetrachloride	7.73	117	76004	21.147	ug/l 98
34) Benzene	8.00	78	238095	20.776	ug/l 100
35) Methacrylonitrile	7.12	41	31123	17.319	ug/l 99
36) 1,2-Dichloroethane	8.08	62	86271	20.944	ug/l 100
37) Trichloroethene	8.80	130	54288	21.089	ug/l 98
38) Methylcyclohexane	9.05	83	84887	19.616	ug/l 99
39) 1,2-Dichloropropane	9.08	63	67301	20.613	ug/l 97
40) Dibromomethane	9.17	93	39598	21.044	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	83912	21.025	ug/l	97
42) Vinyl Acetate	5.84	43	845892	99.502	ug/l	100
43) Ethyl Acetate	6.88	43	81981	19.932	ug/l	99
44) Isopropyl Acetate	8.12	43	131983	19.126	ug/l	98
45) 1,4-Dioxane	9.16	88	16475	349.003	ug/l	96
46) Methyl methacrylate	9.17	41	61494	18.783	ug/l	98
47) n-amyl Acetate	12.05	43	109287	18.787	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	94045	20.203	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	102819	20.462	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	55807	21.159	ug/l	98
51) Ethyl methacrylate	10.40	69	84452	19.018	ug/l	98
52) 1,3-Dichloropropane	10.68	76	101348	20.937	ug/l	97
53) Dibromochloromethane	10.87	129	59502	20.706	ug/l	100
54) 1,2-Dibromoethane	10.98	107	55350	20.503	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	134447	94.793	ug/l	100
56) Bromoform	12.10	173	39747	20.251	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	394717	93.700	ug/l	100
59) 2-Hexanone	10.72	43	276216	89.405	ug/l	100
61) Tetrachloroethene	10.60	164	46792	21.133	ug/l	94
62) Toluene	10.12	91	248712	20.277	ug/l	99
64) Chlorobenzene	11.40	112	145397	20.173	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	54330	20.364	ug/l	99
66) Ethyl Benzene	11.48	91	270032	19.880	ug/l	99
67) m/p-Xylenes	11.59	106	198801	40.323	ug/l	100
68) o-Xylene	11.92	106	93179	19.694	ug/l	99
69) Styrene	11.94	104	158861	19.783	ug/l	99
70) Isopropylbenzene	12.22	105	254850	20.065	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	80606	19.637	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	74973m	18.777	ug/l	
73) Bromobenzene	12.50	156	59069	20.081	ug/l	99
74) n-propylbenzene	12.56	91	307943	20.397	ug/l	100
75) 2-Chlorotoluene	12.65	91	183773	20.217	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	216442	20.000	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	25901	17.344	ug/l	95
78) 4-Chlorotoluene	12.75	91	189946	20.479	ug/l	100
79) tert-butylbenzene	12.97	119	175830	19.621	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	208360	19.576	ug/l	100
81) sec-Butylbenzene	13.15	105	239481	19.900	ug/l	99
82) p-Isopropyltoluene	13.26	119	210839	19.853	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	106118	20.773	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	104704	20.772	ug/l	99
85) n-Butylbenzene	13.59	91	171677	18.845	ug/l	100
86) Hexachloroethane	13.85	117	38876	18.970	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	101771	20.718	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	14384	18.554	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	49745	20.342	ug/l	94
90) Hexachlorobutadiene	14.99	225	29310	21.610	ug/l	97
91) Naphthalene	15.10	128	113029	17.047	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	49412	20.048	ug/l	99

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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
VSTDCCC020EC

Quant Time: Jul 21 01:32:43 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
Response via : Initial Calibration

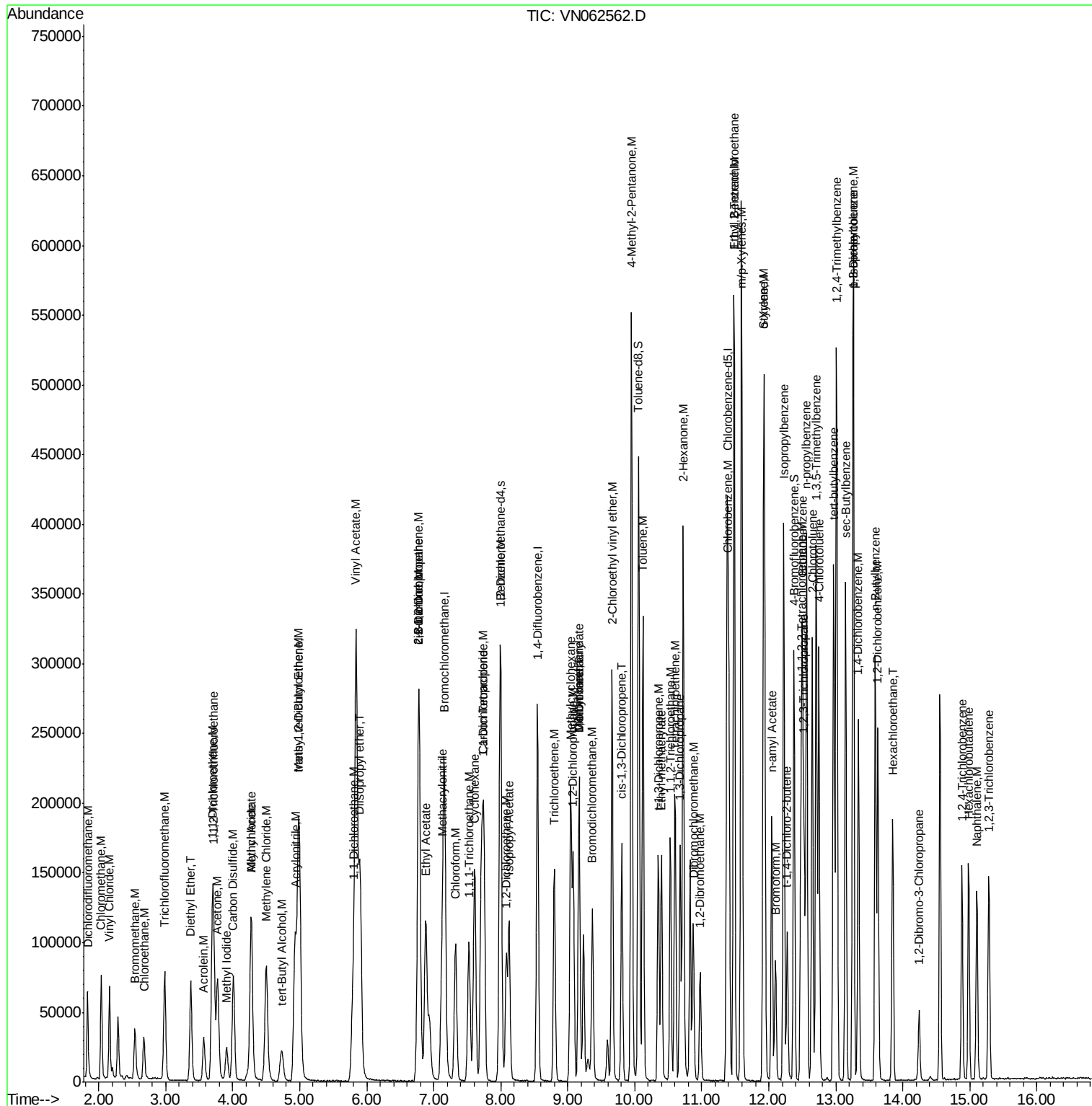
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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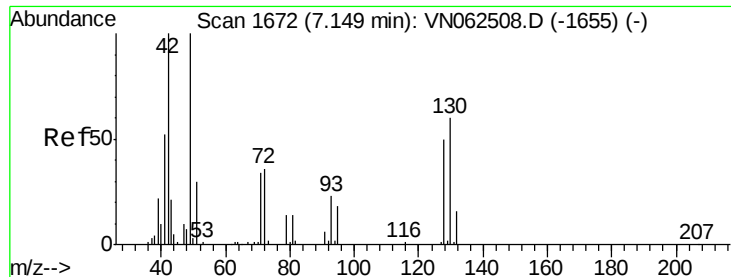
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072020\
Data File : VN062562.D
Acq On    : 20 Jul 2020   15:38
Operator  : JC/MD
Sample    : VSTDCCC020
Misc      : 5.00mL/MSVOA N/WATER
ALS Vial  : 12      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Jul 21 01:32:43 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
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

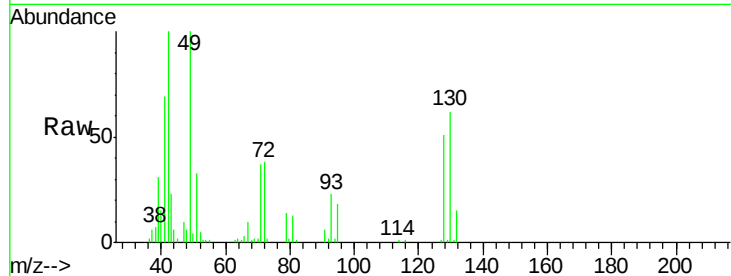
Tot Ion:128 Resp: 42171

Ion Ratio Lower Upper

128 100

49 203.9 0.0 525.0

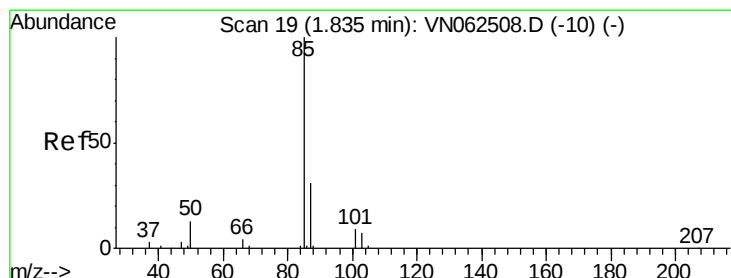
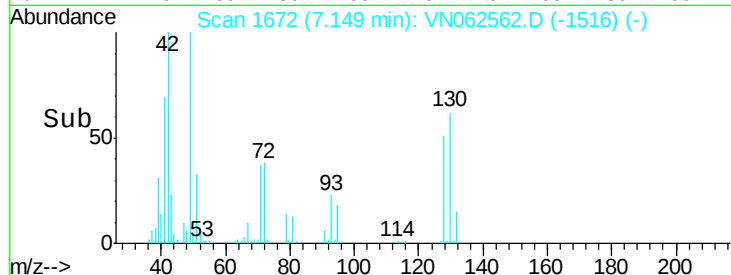
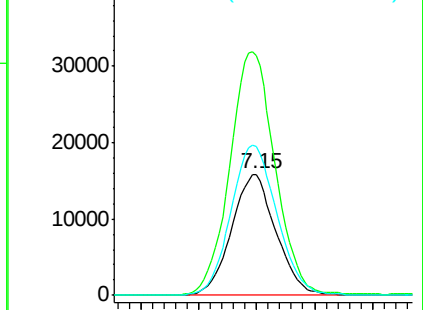
130 128.5 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.840 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062562.D

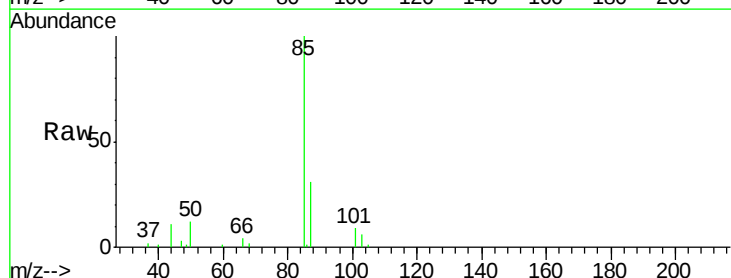
Acq: 20 Jul 2020 15:38

Tgt Ion: 85 Resp: 49384

Ion Ratio Lower Upper

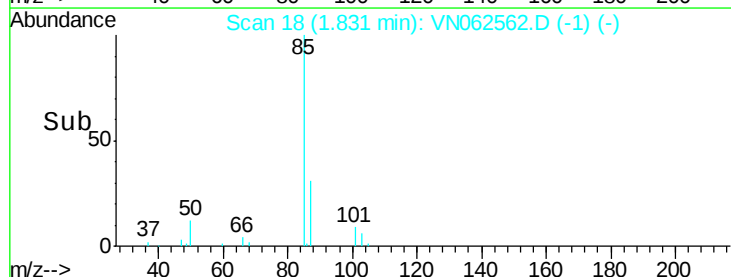
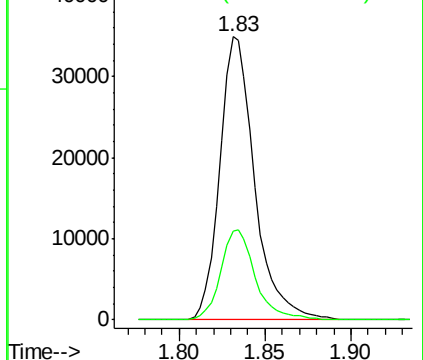
85 100

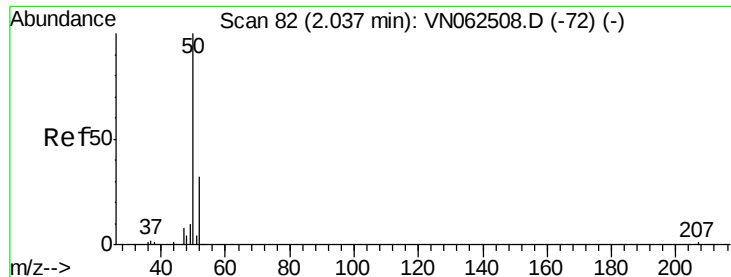
87 31.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.070 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

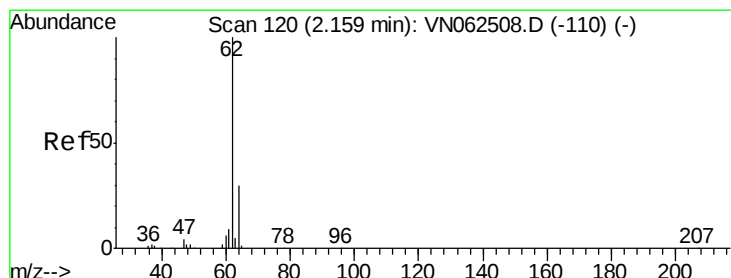
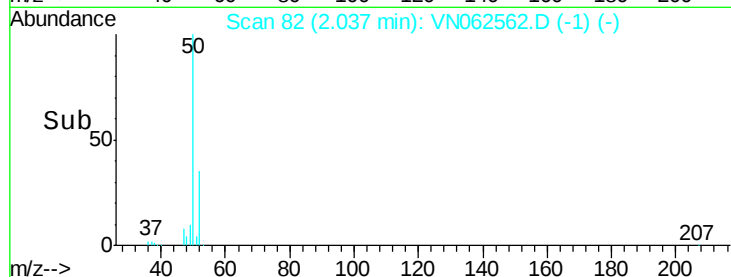
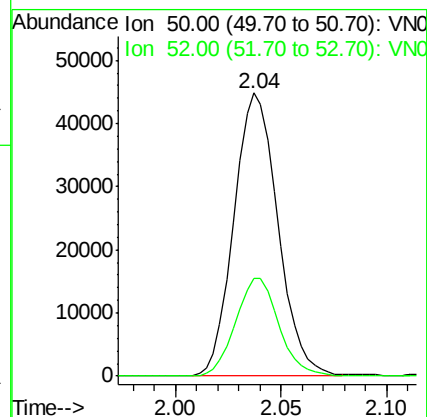
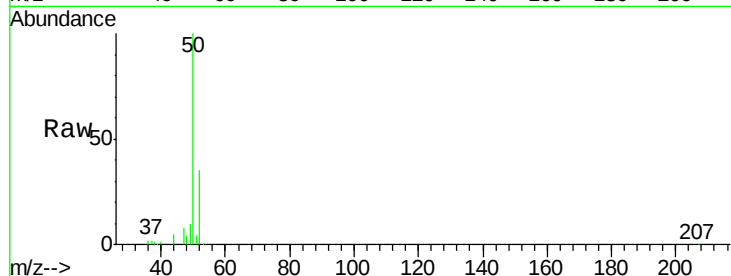
VSTDCCC020EC

Tot Ion: 50 Resp: 64944

Ion Ratio Lower Upper

50 100

52 34.6 25.4 38.2



#4

Vinyl Chloride

Concen: 19.036 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062562.D

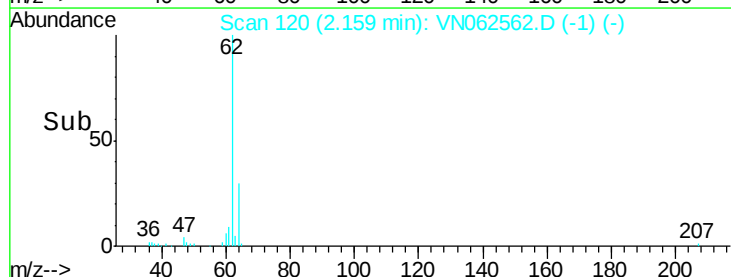
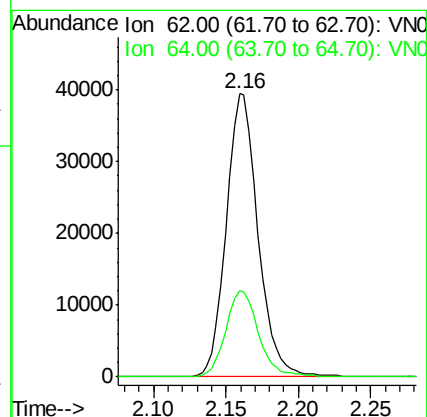
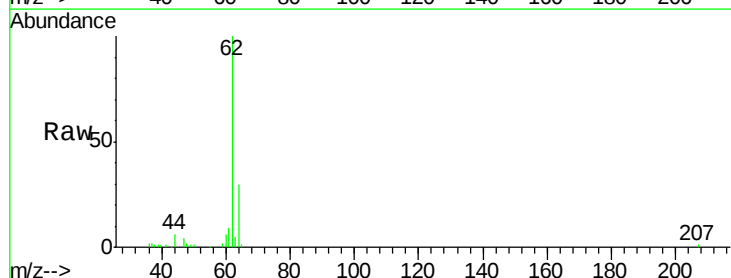
Acq: 20 Jul 2020 15:38

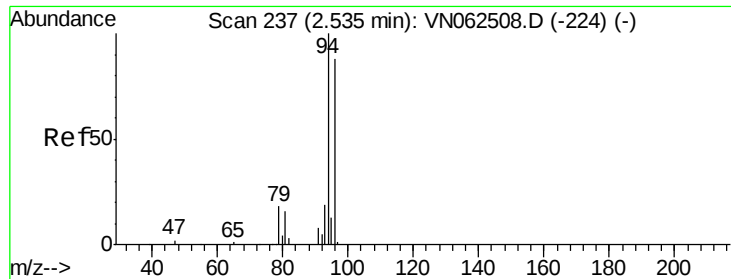
Tgt Ion: 62 Resp: 59805

Ion Ratio Lower Upper

62 100

64 30.5 24.3 36.5





#5

Bromomethane

Concen: 16.271 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

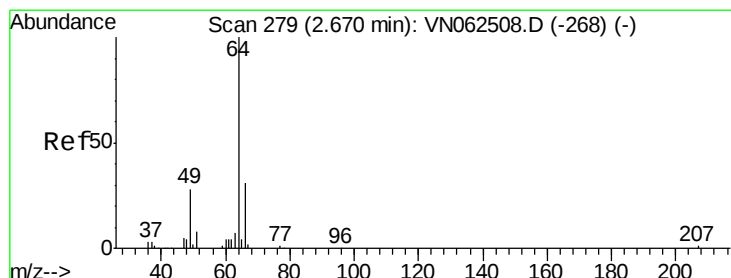
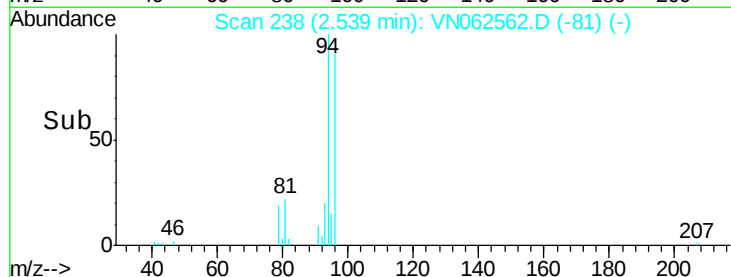
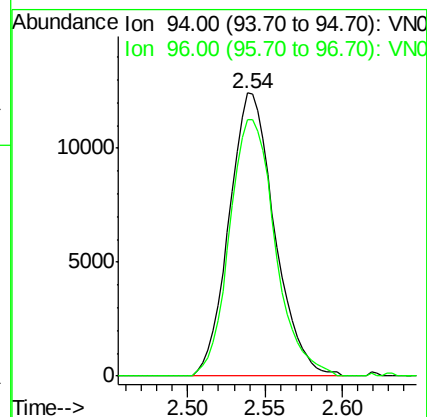
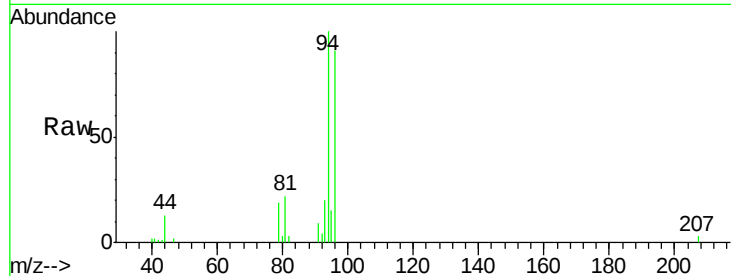
VSTDCCC020EC

Tot Ion: 94 Resp: 25359

Ion Ratio Lower Upper

94 100

96 90.7 70.2 105.4



#6

Chloroethane

Concen: 19.086 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN062562.D

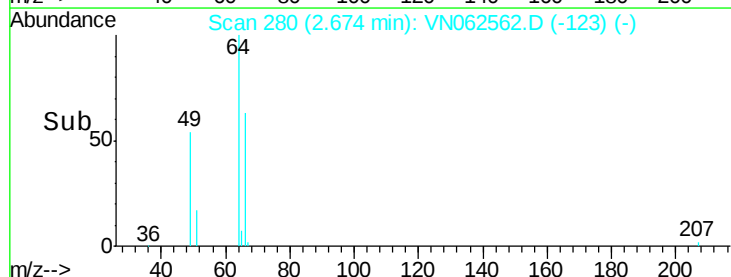
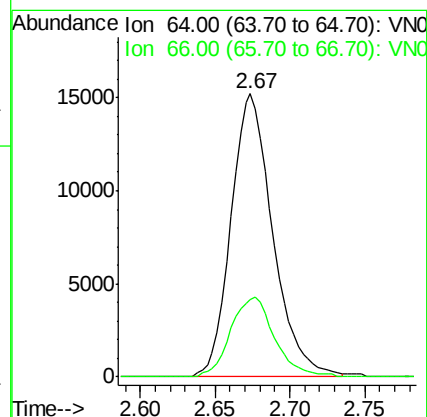
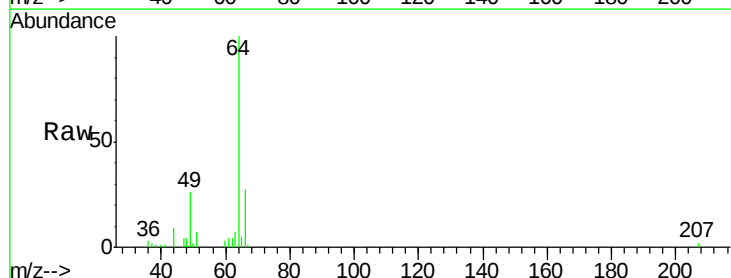
Acq: 20 Jul 2020 15:38

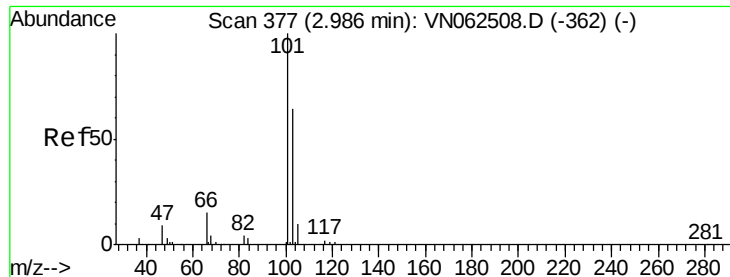
Tgt Ion: 64 Resp: 29519

Ion Ratio Lower Upper

64 100

66 27.2 24.9 37.3



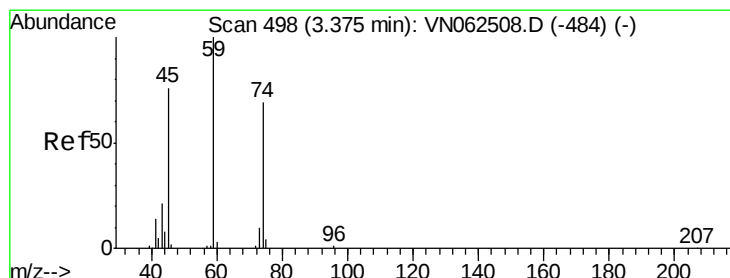
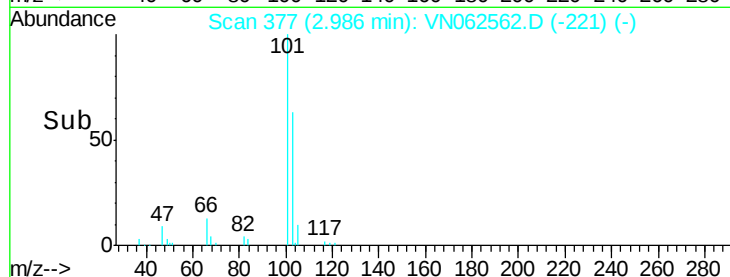
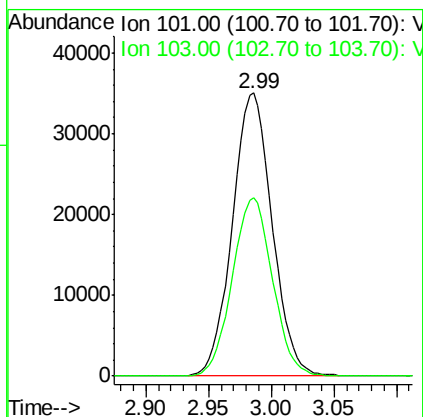
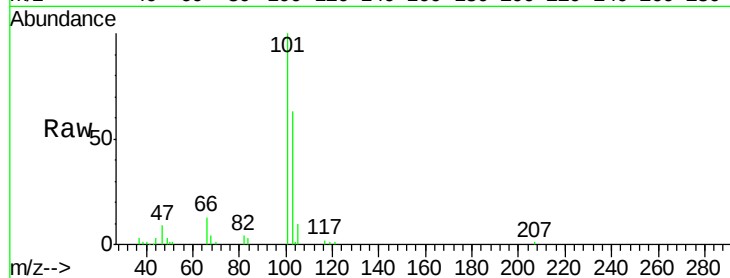


#7

Trichlorofluoromethane
Concen: 21.025 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

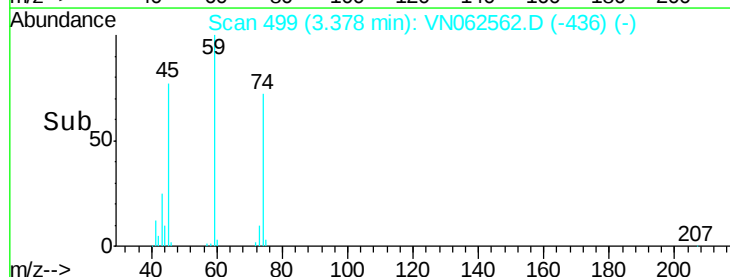
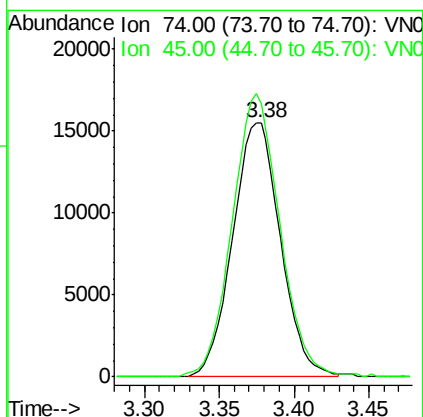
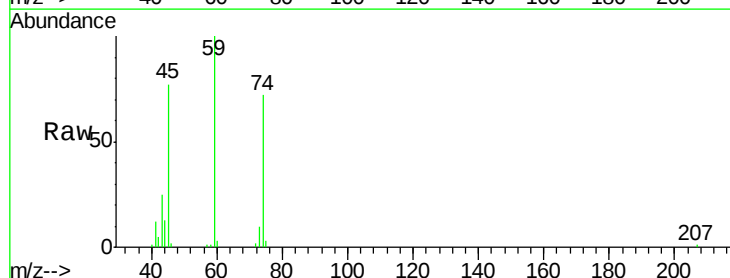
Tot Ion:101 Resp: 77417
Ion Ratio Lower Upper
101 100
103 63.2 50.9 76.3

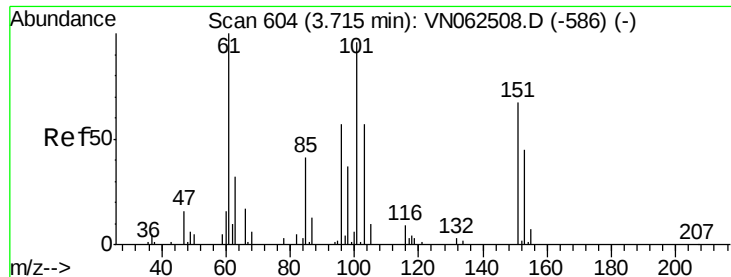


#8

Diethyl Ether
Concen: 19.493 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 74 Resp: 34505
Ion Ratio Lower Upper
74 100
45 110.6 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.149 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

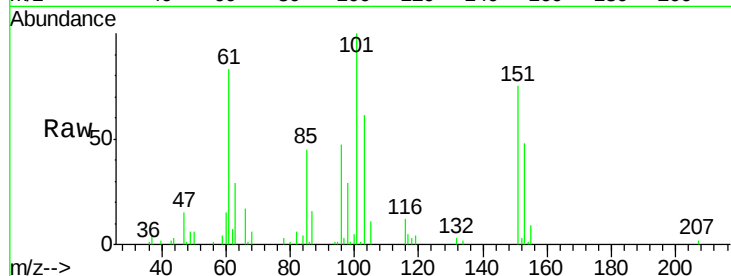
Tot Ion:101 Resp: 47963

Ion Ratio Lower Upper

101 100

85 44.5 0.0 90.4

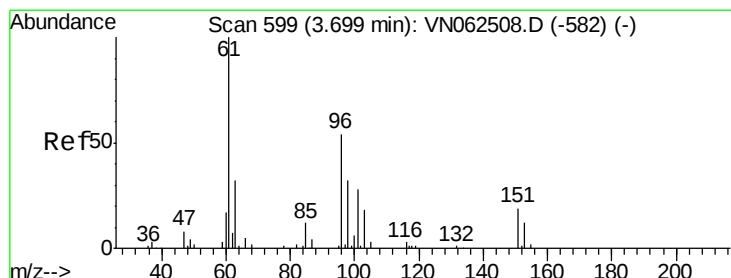
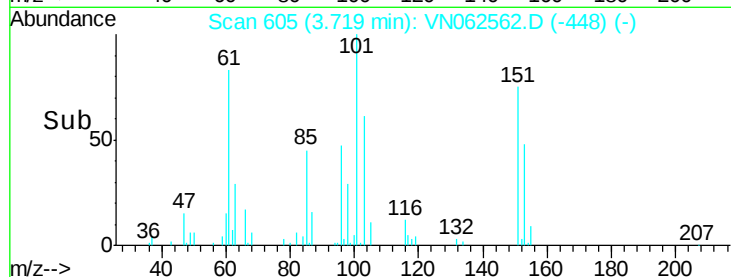
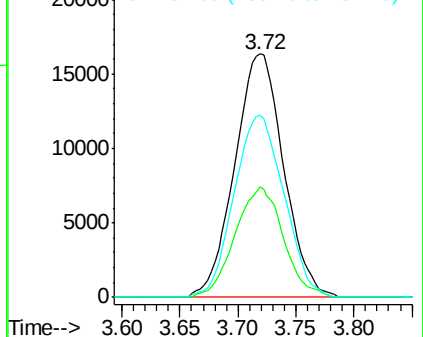
151 75.9 0.0 145.6



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: 19.616 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

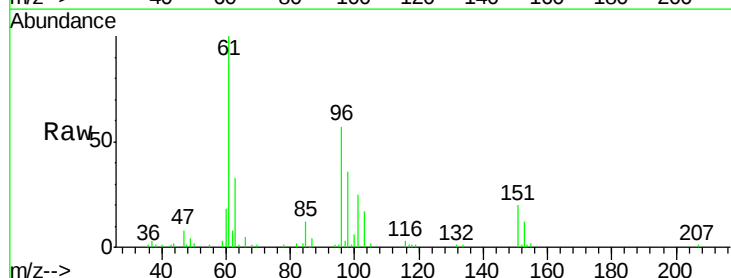
Tgt Ion: 96 Resp: 47635

Ion Ratio Lower Upper

96 100

61 175.1 147.8 221.8

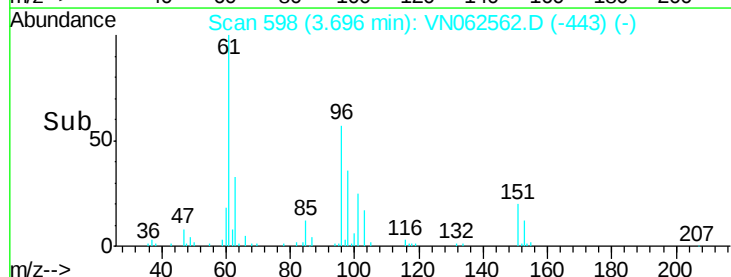
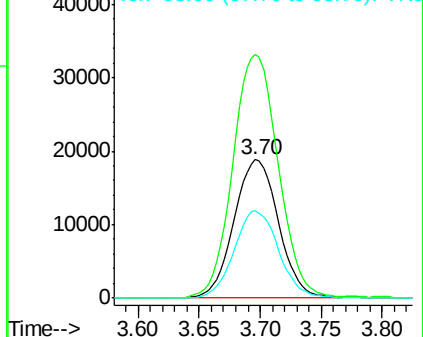
98 63.5 47.8 71.8

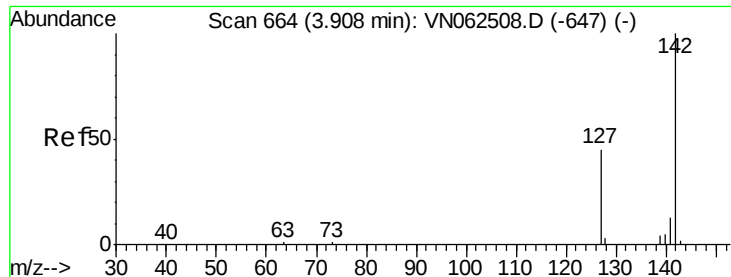


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

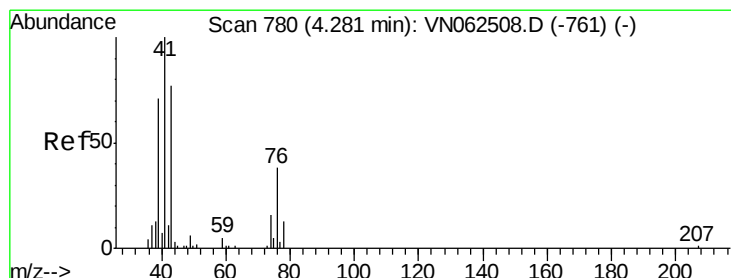
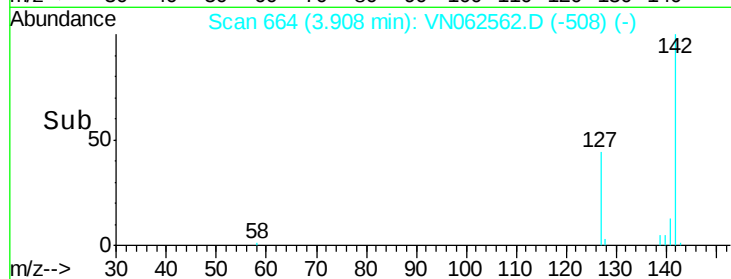
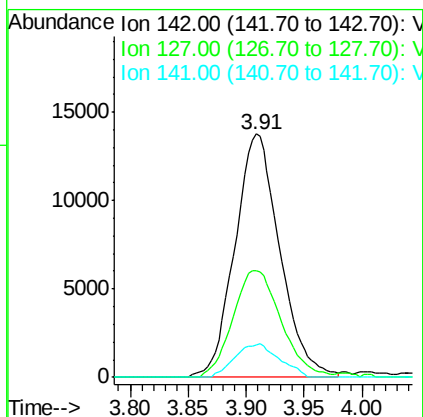
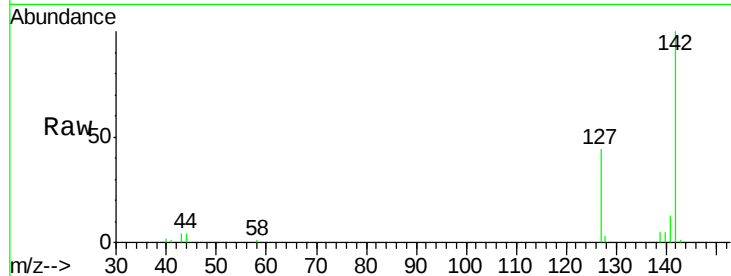




#11
Methvl Iodide
Concen: 12.472 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

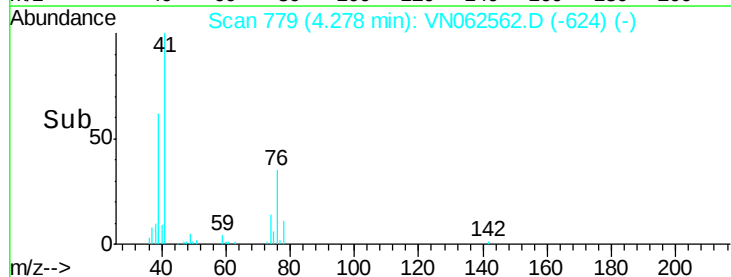
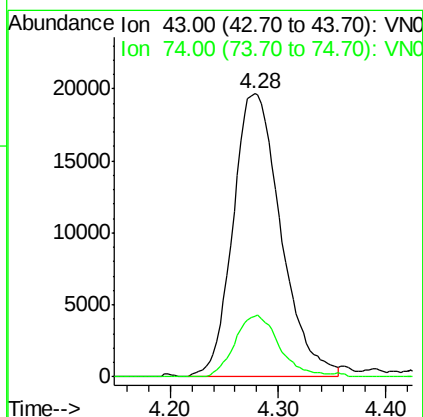
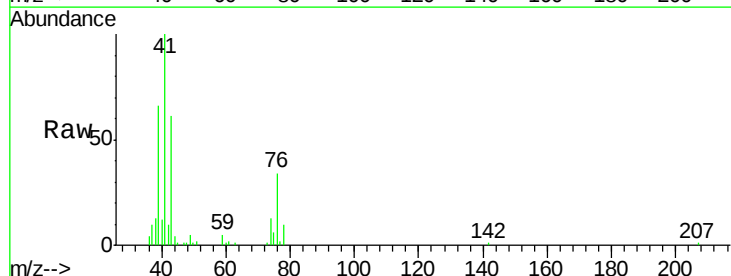
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

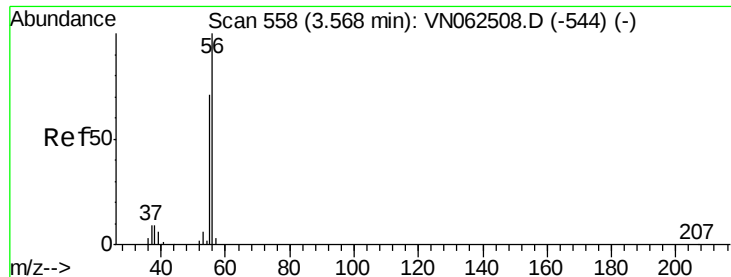
Tot Ion:142 Resp: 37089
Ion Ratio Lower Upper
142 100
127 43.4 22.1 66.5
141 13.6 6.5 19.4



#12
Methyl Acetate
Concen: 18.682 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 43 Resp: 60846
Ion Ratio Lower Upper
43 100
74 21.2 16.7 25.1





#13

Acrolein

Concen: 73.107 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

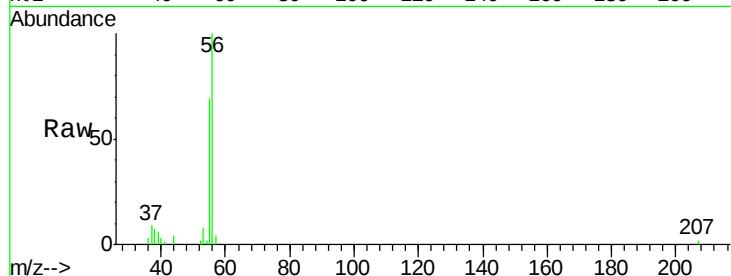
VSTDCCC020EC

Tot Ion: 56 Resp: 35574

Ion Ratio Lower Upper

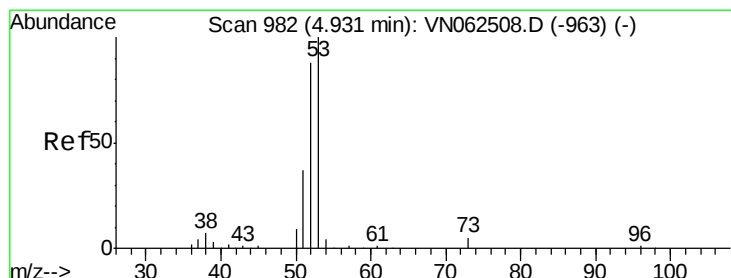
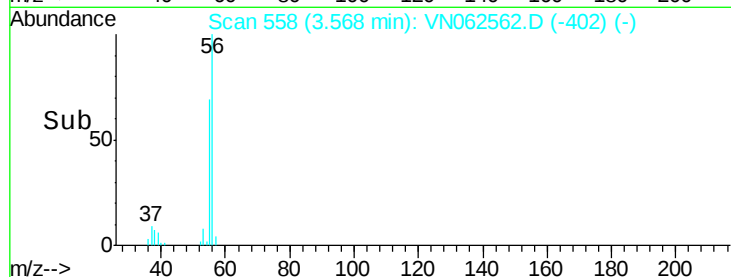
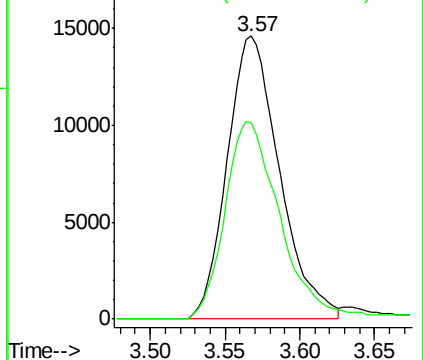
56 100

55 72.2 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 90.596 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

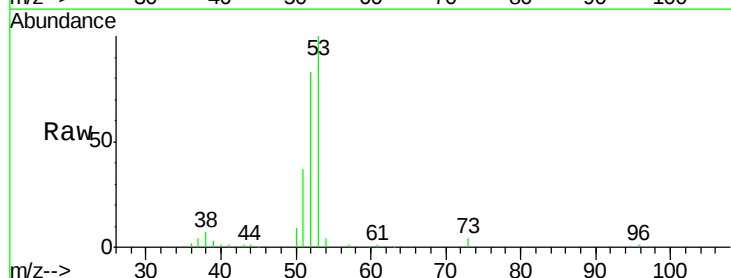
Tgt Ion: 53 Resp: 137226

Ion Ratio Lower Upper

53 100

52 83.4 41.8 125.4

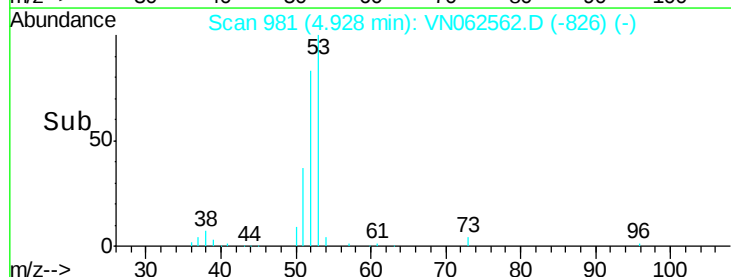
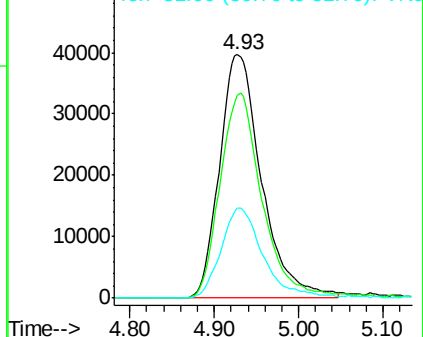
51 36.5 18.5 55.5

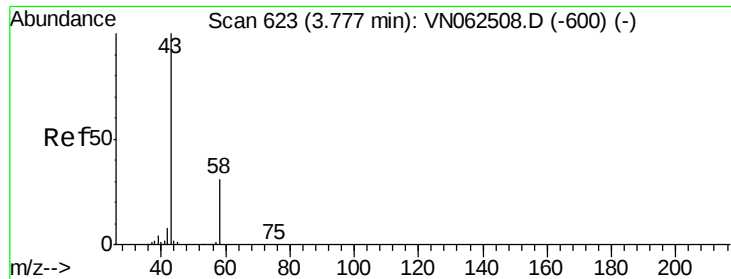


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 79.685 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.01 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

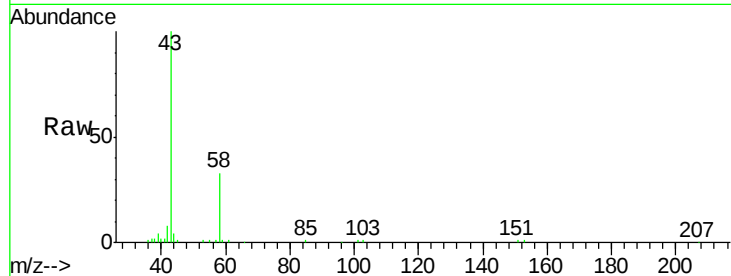
VSTDCCC020EC

Tot Ion: 58 Resp: 37052

Ion Ratio Lower Upper

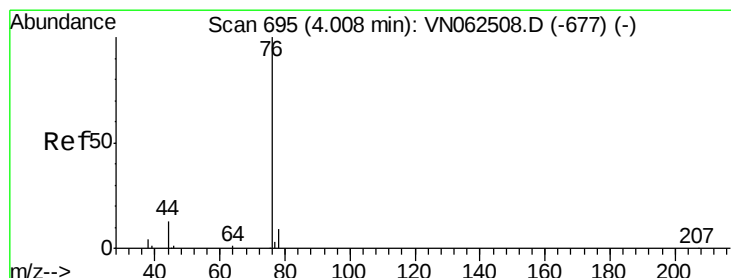
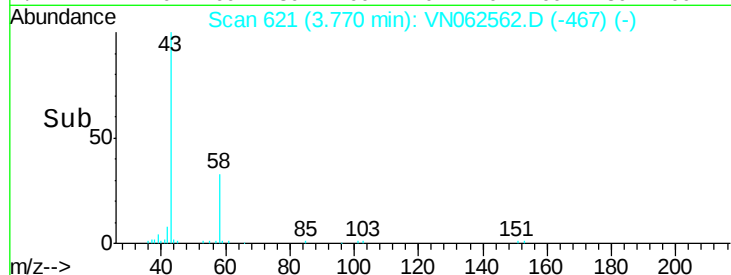
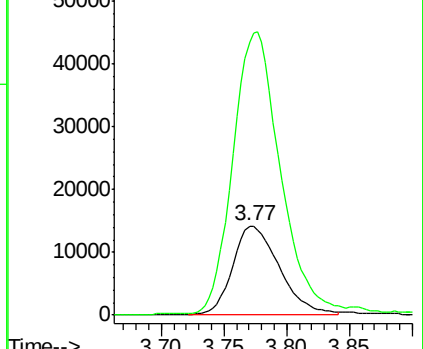
58 100

43 302.8 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.870 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062562.D

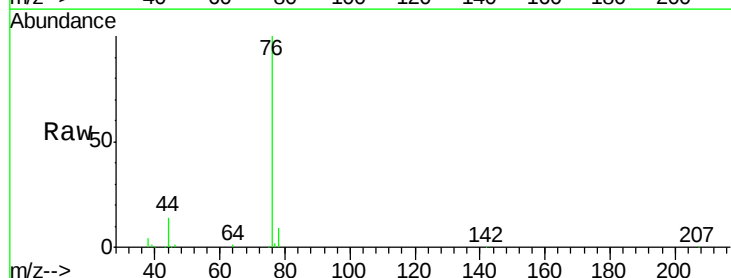
Acq: 20 Jul 2020 15:38

Tgt Ion: 76 Resp: 149334

Ion Ratio Lower Upper

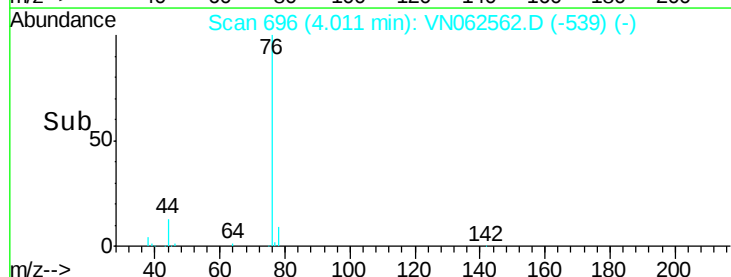
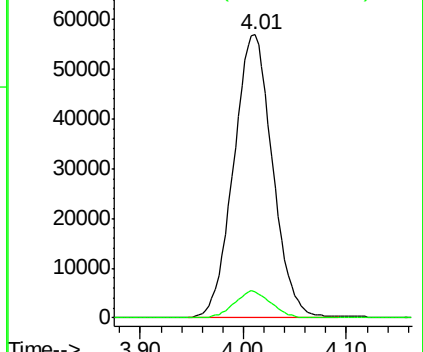
76 100

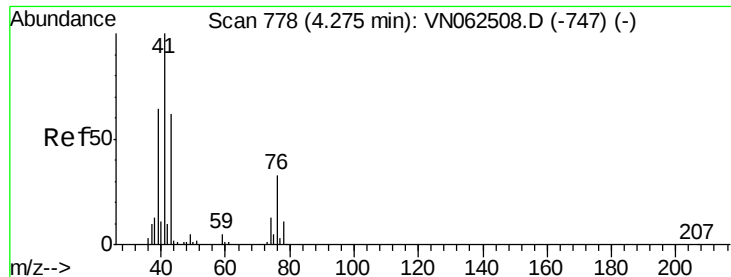
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

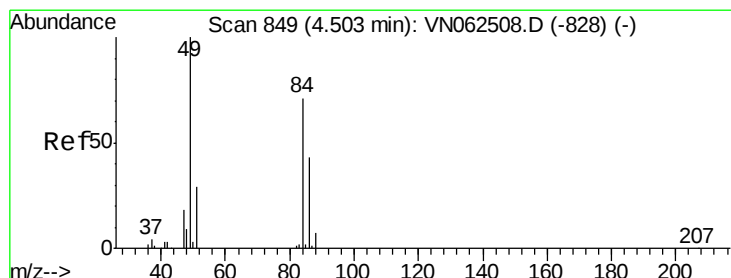
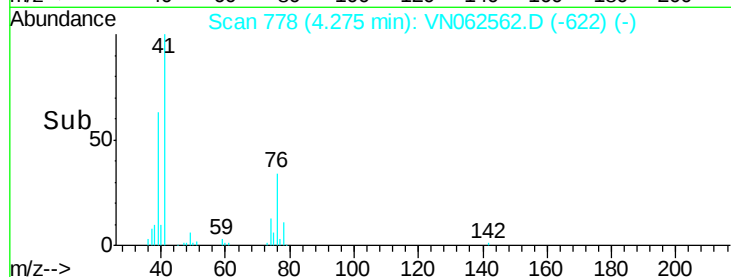
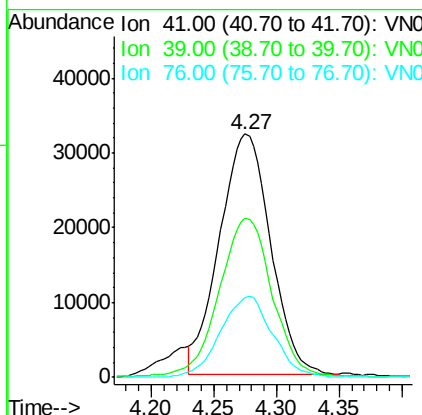
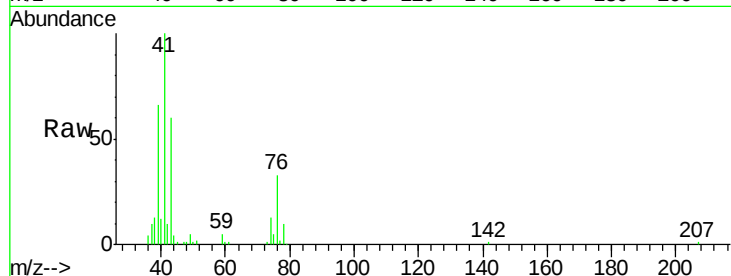




#17
Allvl chloride
Concen: 17.603 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

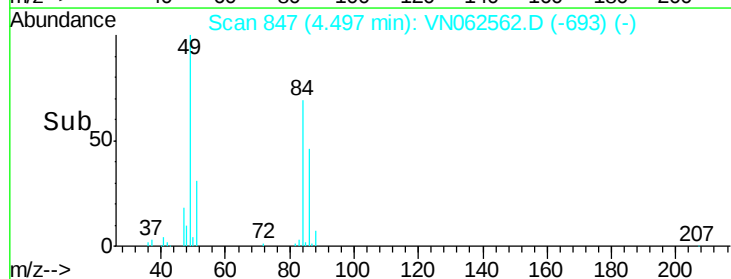
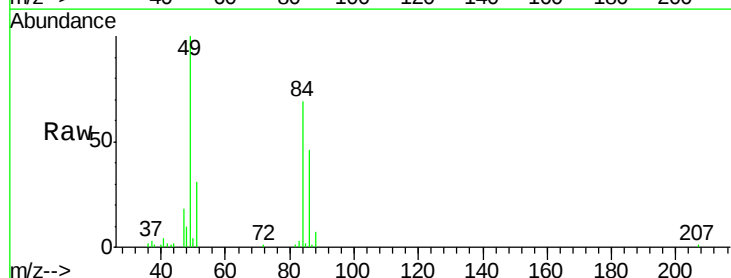
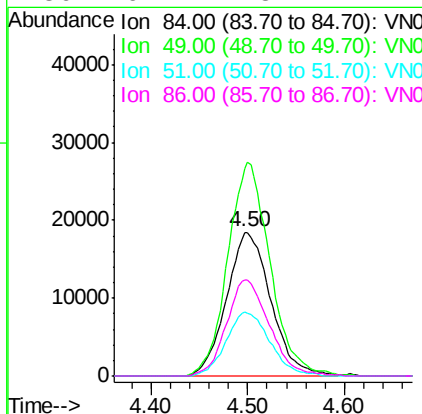
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

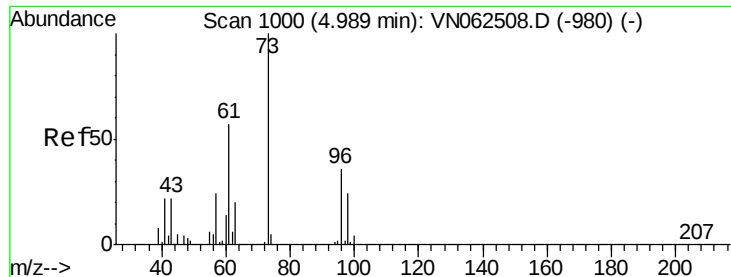
Tot Ion: 41 Resp: 90914
Ion Ratio Lower Upper
41 100
39 65.6 31.9 95.5
76 33.2 16.6 49.8



#18
Methylene Chloride
Concen: 19.670 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 84 Resp: 58774
Ion Ratio Lower Upper
84 100
49 143.5 112.1 168.1
51 44.6 33.0 49.4
86 67.1 48.2 72.4

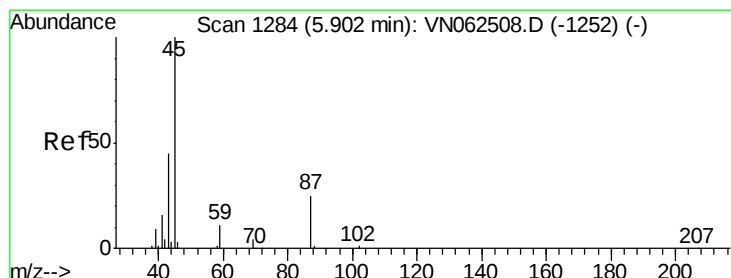
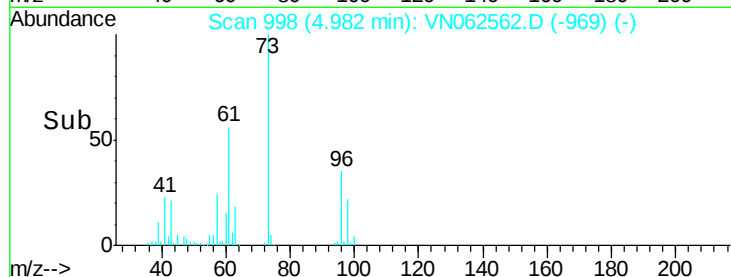
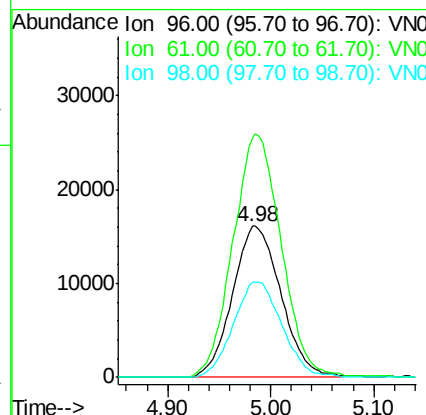
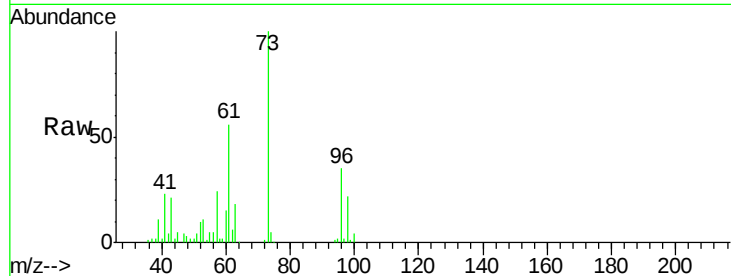




#19
trans-1,2-Dichloroethene
Concen: 19.583 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

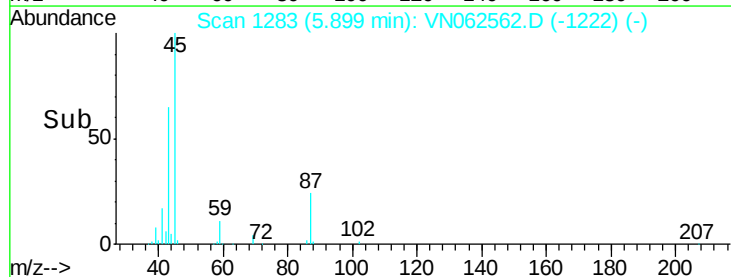
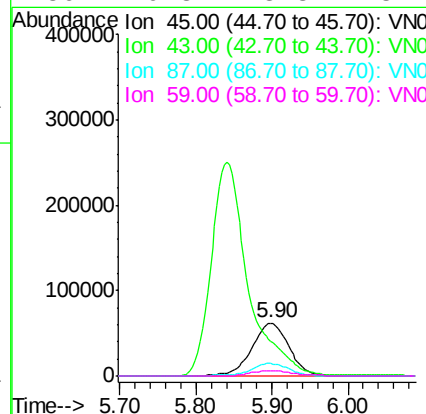
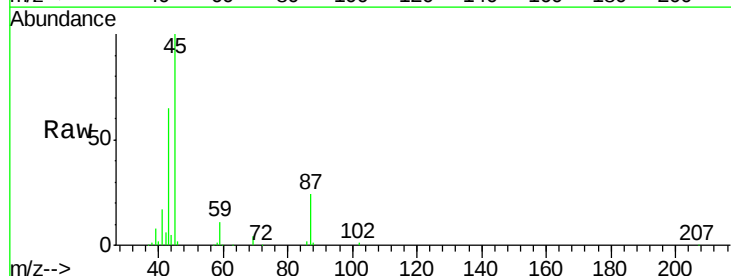
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

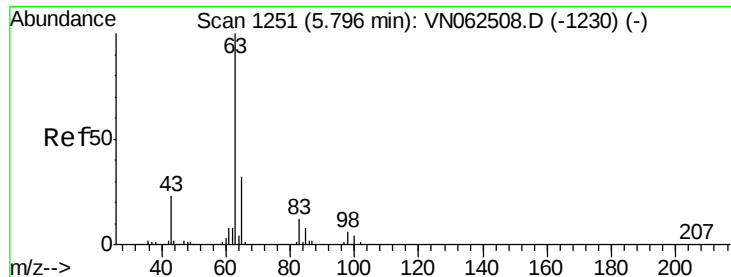
Tot Ion: 96 Resp: 52635
Ion Ratio Lower Upper
96 100
61 157.2 125.7 188.5
98 62.8 54.1 81.1



#20
Diisopropyl ether
Concen: 19.773 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 45 Resp: 209933
Ion Ratio Lower Upper
45 100
43 63.0 51.3 76.9
87 23.5 19.8 29.6
59 10.3 8.8 13.2





#21

1,1-Dichloroethane

Concen: 19.745 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

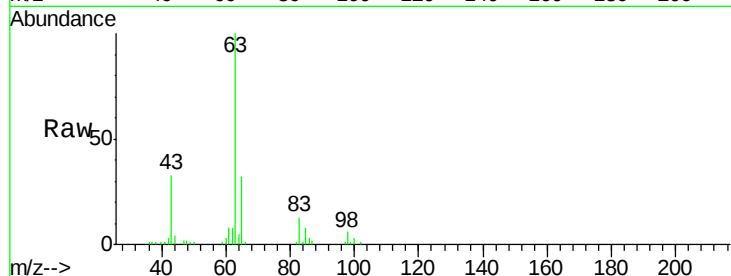
Tot Ion: 63 Resp: 110831

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

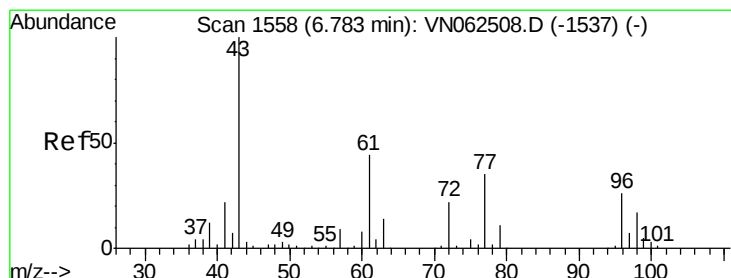
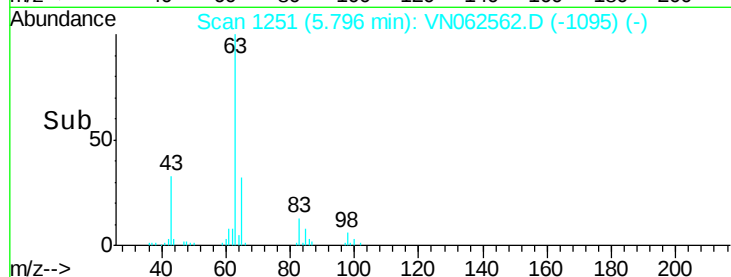
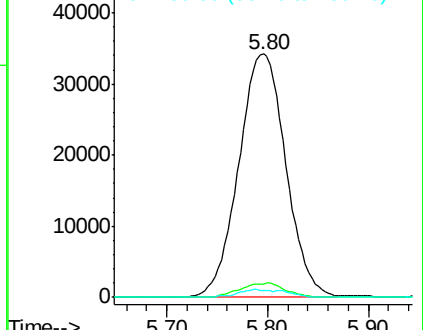
100 3.0 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN062562.D (-1095) (-)

Ion 98.00 (97.70 to 98.70): VN062562.D (-1095) (-)

Ion 100.00 (99.70 to 100.70): VN062562.D (-1095) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.815 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

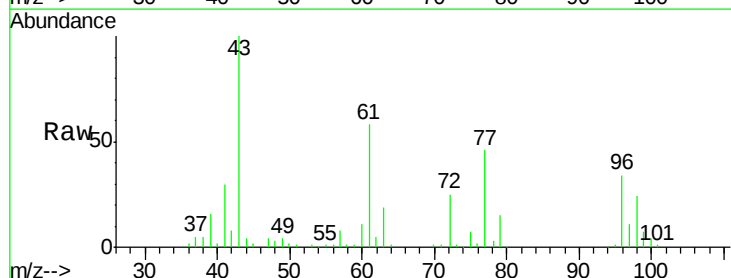
Tgt Ion: 96 Resp: 60061

Ion Ratio Lower Upper

96 100

61 165.2 134.9 202.3

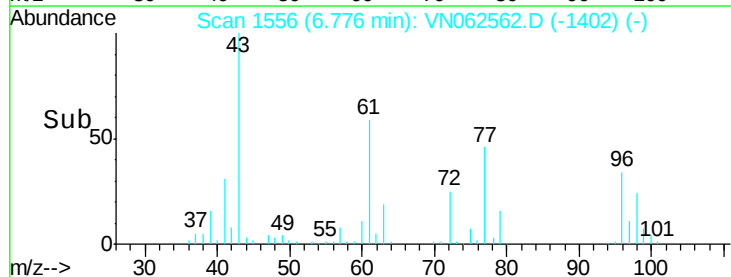
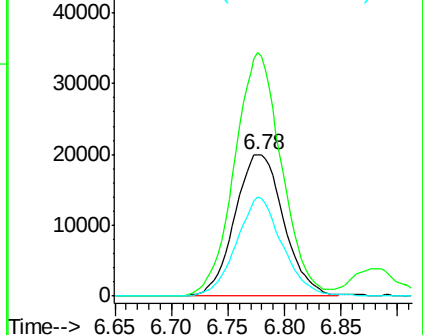
98 65.0 51.5 77.3

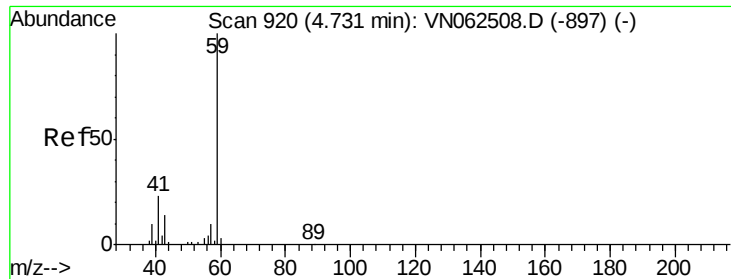


Abundance Ion 96.00 (95.70 to 96.70): VN062562.D (-1402) (-)

Ion 61.00 (60.70 to 61.70): VN062562.D (-1402) (-)

Ion 98.00 (97.70 to 98.70): VN062562.D (-1402) (-)





#23

tert-Butyl Alcohol

Concen: 85.168 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

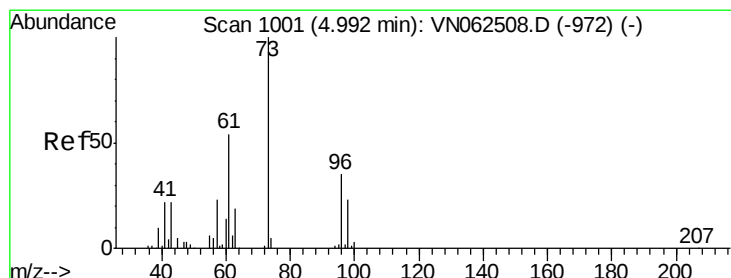
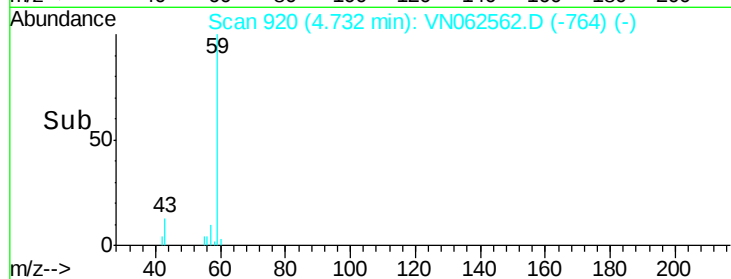
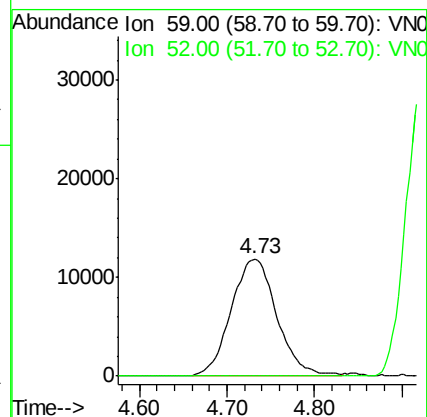
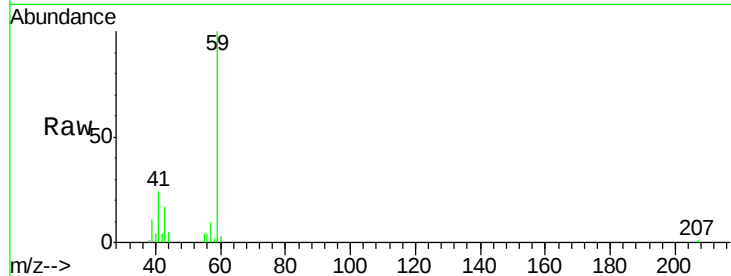
VSTDCCC020EC

Tot Ion: 59 Resp: 43173

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.291 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN062562.D

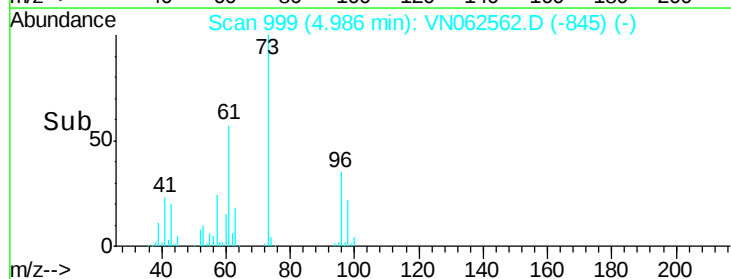
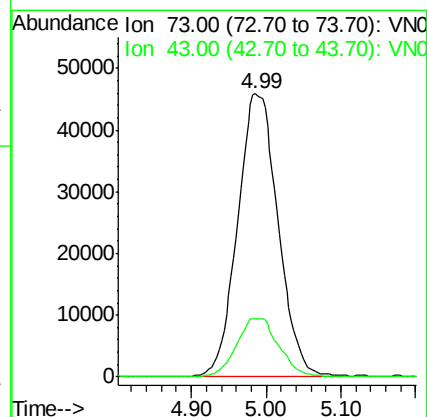
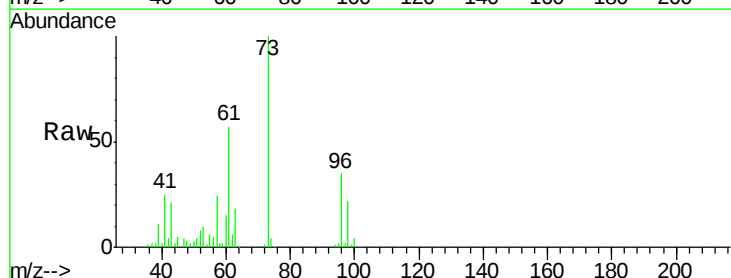
Acq: 20 Jul 2020 15:38

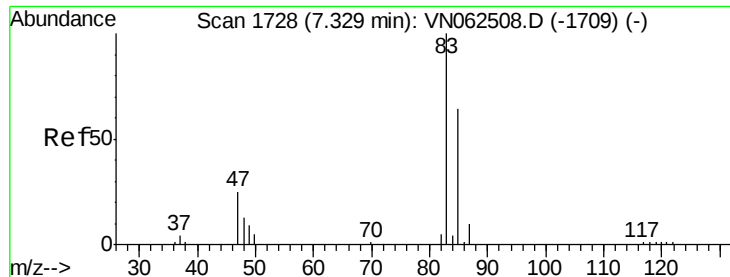
Tgt Ion: 73 Resp: 172715

Ion Ratio Lower Upper

73 100

43 10.8 16.9 25.3#

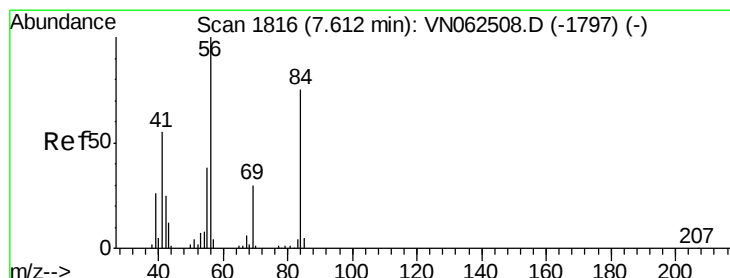
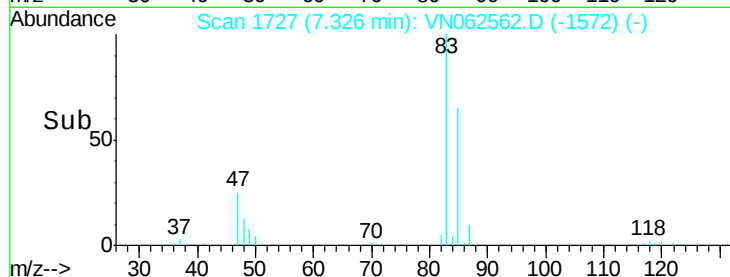
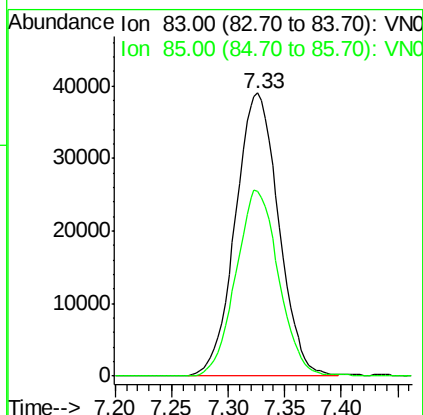
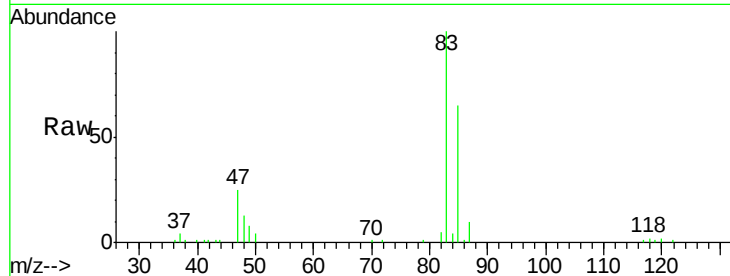




#25
Chloroform
Concen: 20.212 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

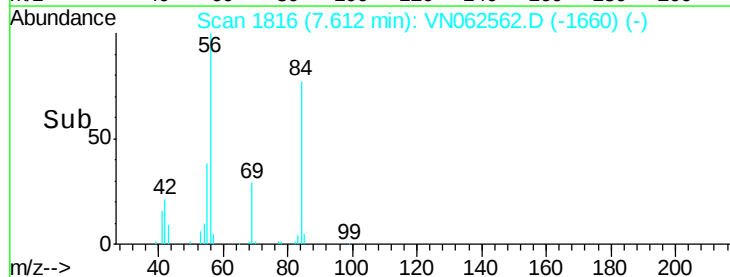
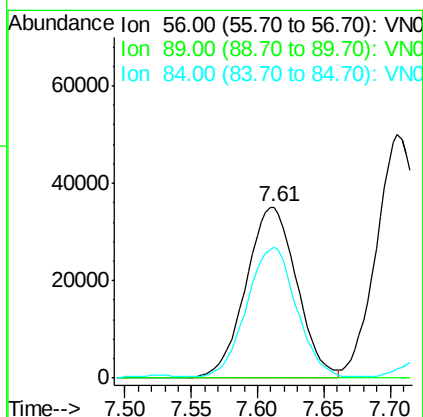
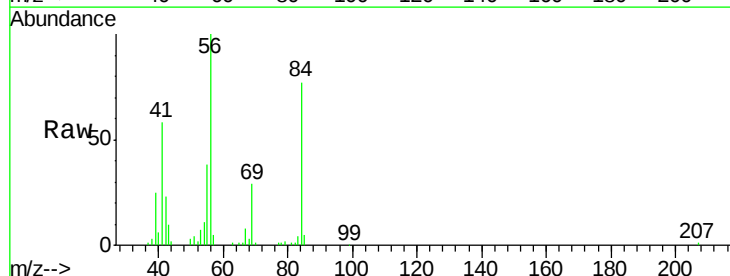
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

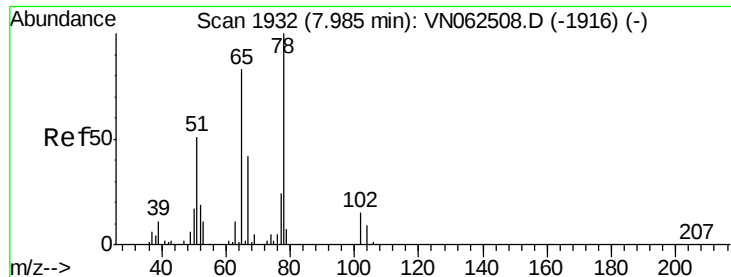
Tot Ion: 83 Resp: 104043
Ion Ratio Lower Upper
83 100
85 65.3 51.0 76.4



#26
Cyclohexane
Concen: 19.008 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 56 Resp: 94042
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.5 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 29.459 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

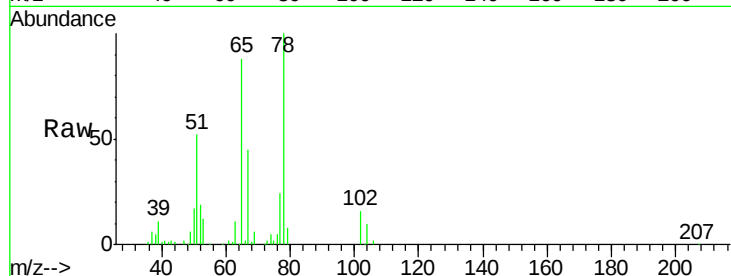
VSTDCCC020EC

Tot Ion: 65 Resp: 106722

Ion Ratio Lower Upper

65 100

67 52.5 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN062508.D (-1916) (-)

Ion 67.00 (66.70 to 67.70): VN062508.D (-1916) (-)

7.98

50000

40000

30000

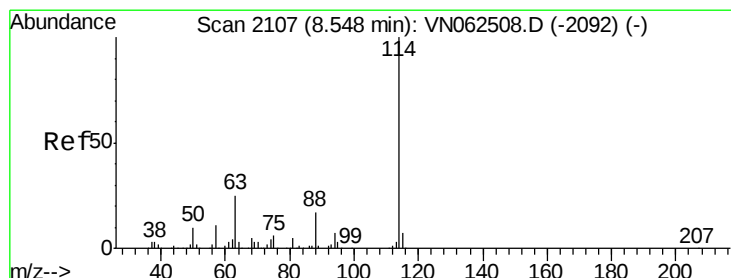
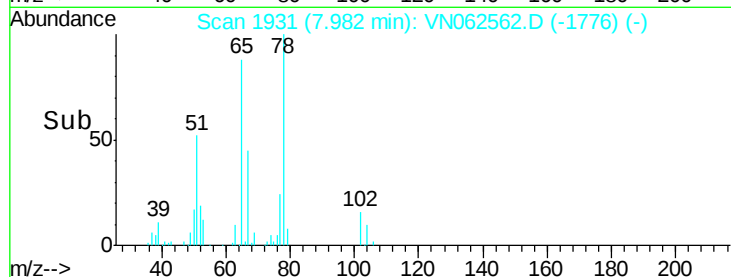
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

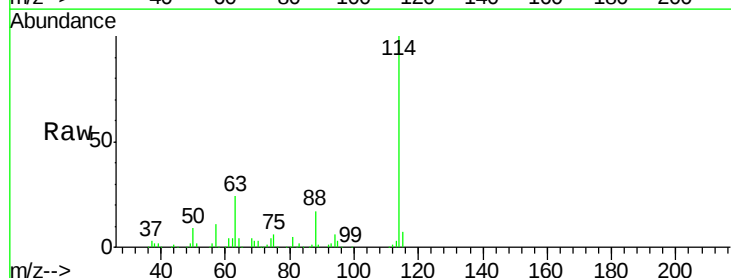
Tgt Ion: 114 Resp: 227416

Ion Ratio Lower Upper

114 100

63 24.3 19.4 29.0

88 17.2 13.5 20.3



Abundance Ion 114.00 (113.70 to 114.70): VN062508.D (-2092) (-)

Ion 63.00 (62.70 to 63.70): VN062508.D (-2092) (-)

Ion 88.00 (87.70 to 88.70): VN062508.D (-2092) (-)

8.55

150000

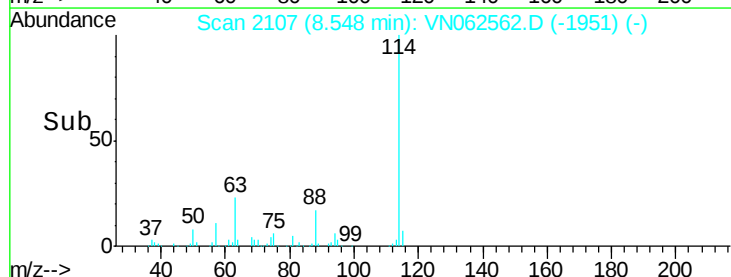
100000

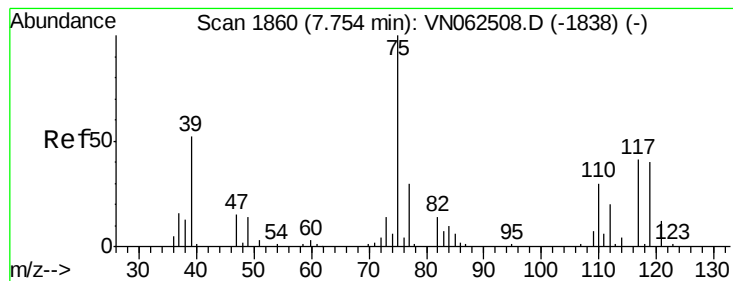
50000

0

8.45 8.50 8.55 8.60

Time-->





#29

1,1-Dichloropropene

Concen: 20.859 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

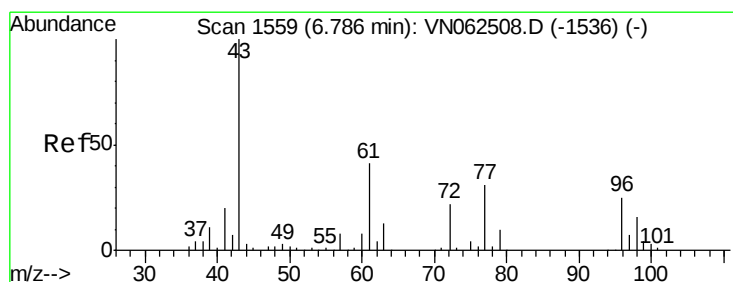
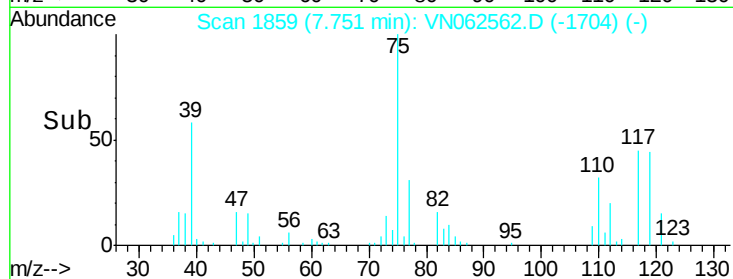
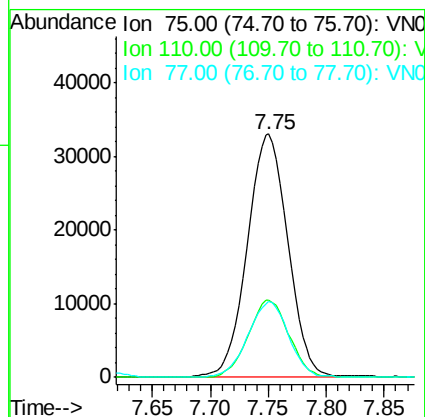
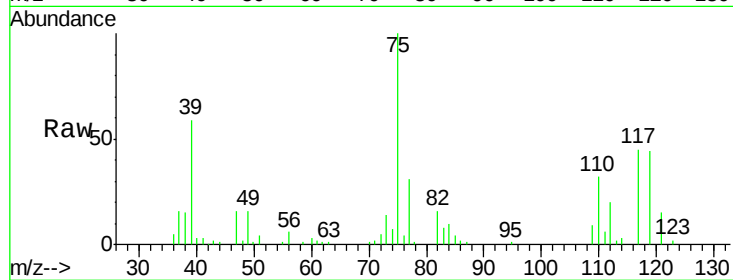
Tot Ion: 75 Resp: 80462

Ion Ratio Lower Upper

75 100

110 31.6 0.0 62.4

77 31.3 0.0 62.8



#30

2-Butanone

Concen: 89.924 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

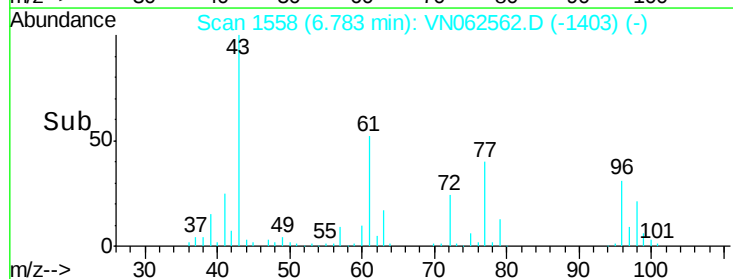
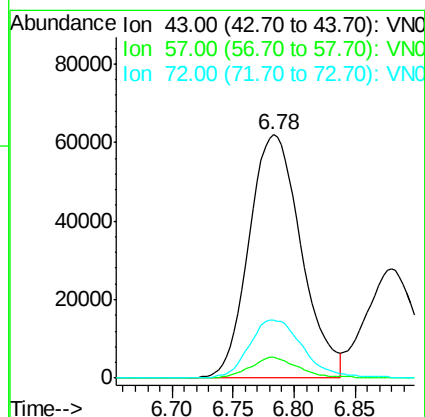
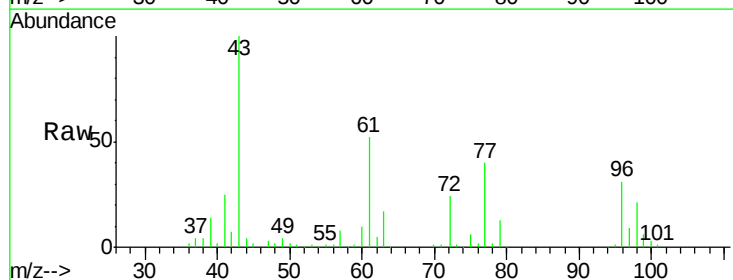
Tgt Ion: 43 Resp: 183966

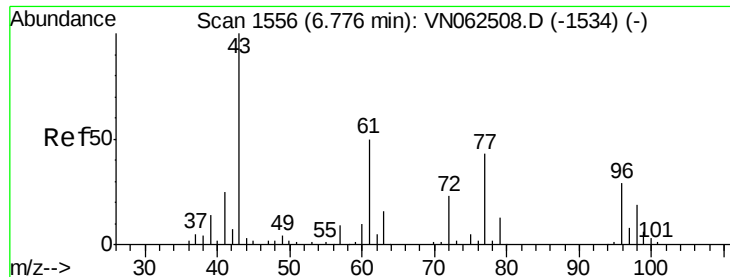
Ion Ratio Lower Upper

43 100

57 7.9 6.6 9.8

72 24.4 18.5 27.7





#31

2,2-Dichloropropane

Concen: 20.998 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

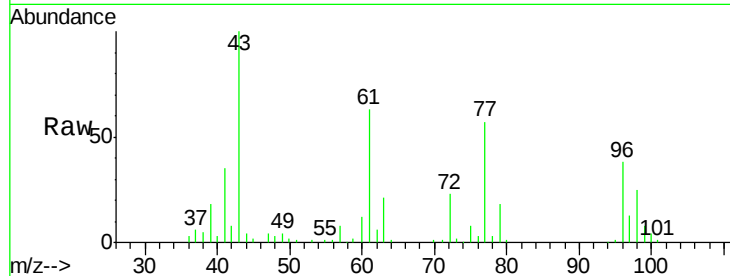
VSTDCCC020EC

Tot Ion: 77 Resp: 91334

Ion Ratio Lower Upper

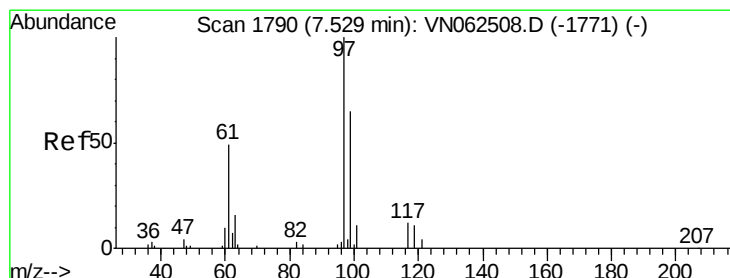
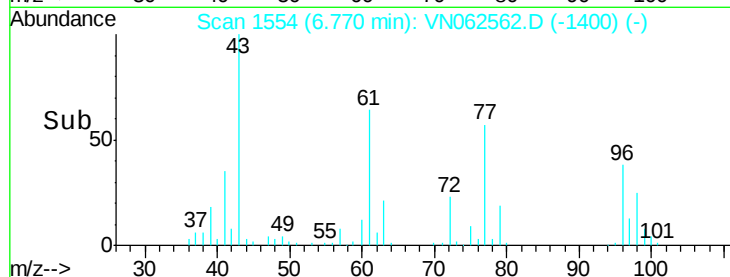
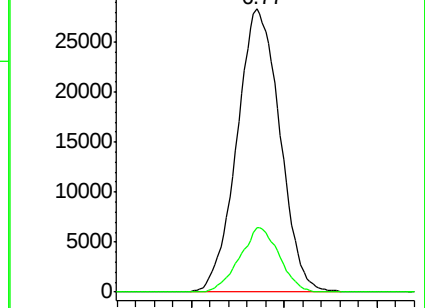
77 100

97 20.9 8.6 12.8#



Abundance Ion 77.00 (76.70 to 77.70): VN062508.D (-1534) (-)

Ion 97.00 (96.70 to 97.70): VN062508.D (-1534) (-)



#32

1,1,1-Trichloroethane

Concen: 21.225 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

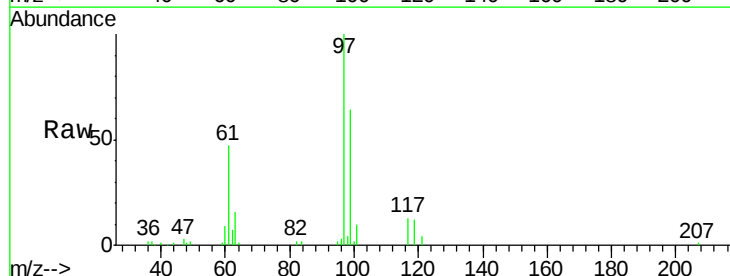
Tgt Ion: 97 Resp: 88002

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

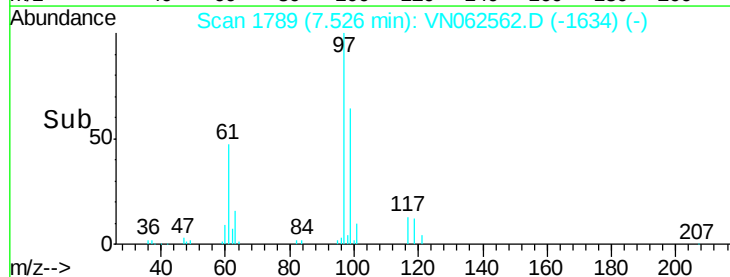
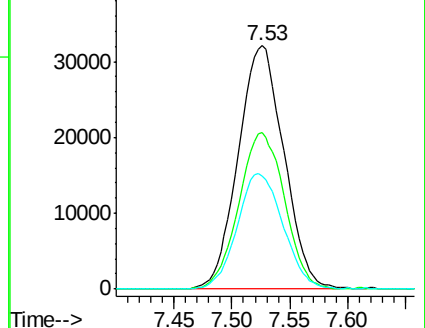
61 47.6 39.4 59.0

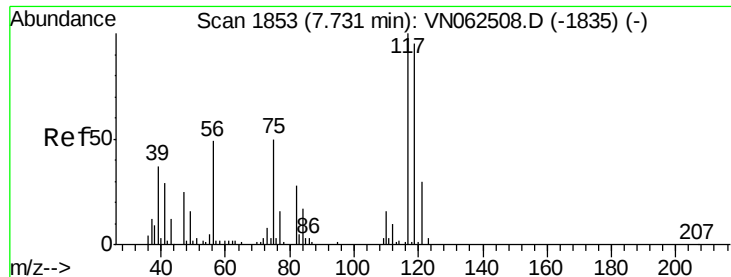


Abundance Ion 97.00 (96.70 to 97.70): VN062508.D (-1771) (-)

Ion 99.00 (98.70 to 99.70): VN062508.D (-1771) (-)

Ion 61.00 (60.70 to 61.70): VN062508.D (-1771) (-)

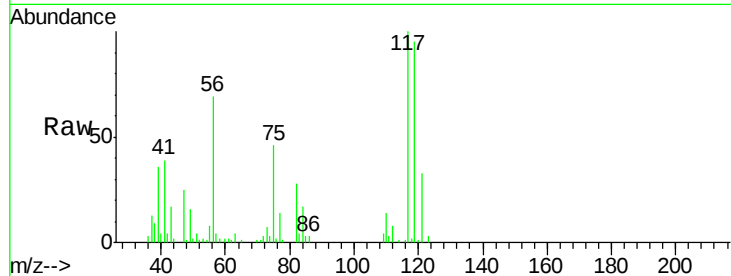




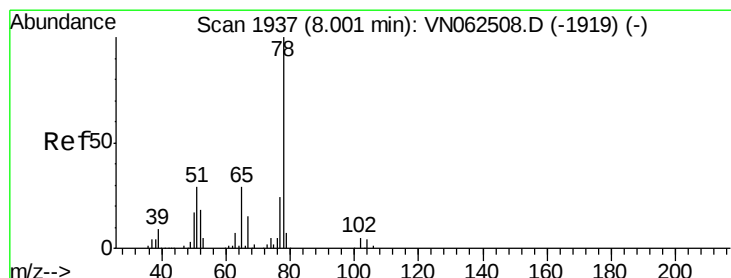
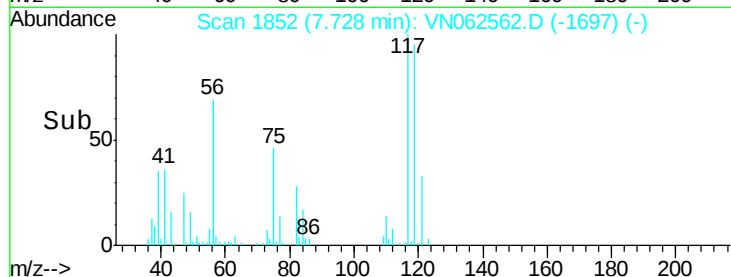
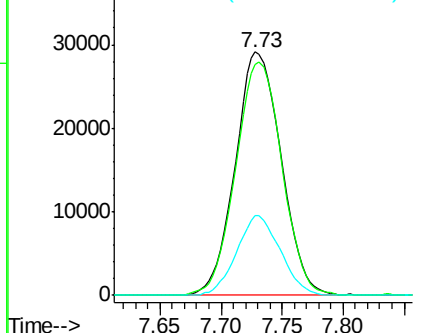
#33
Carbon Tetrachloride
Concen: 21.147 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 76004
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.4
121 32.6 23.8 35.6

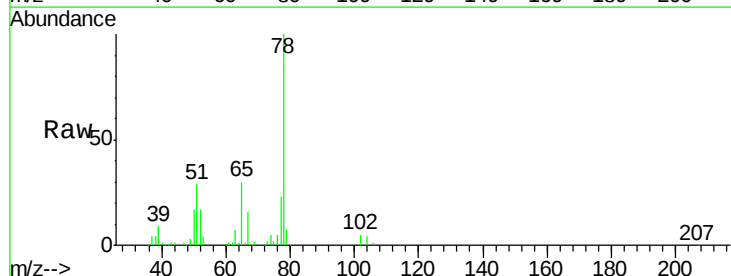


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

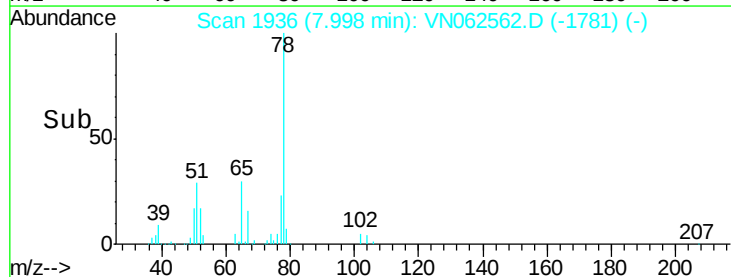
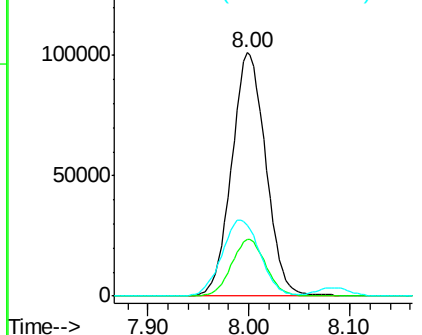


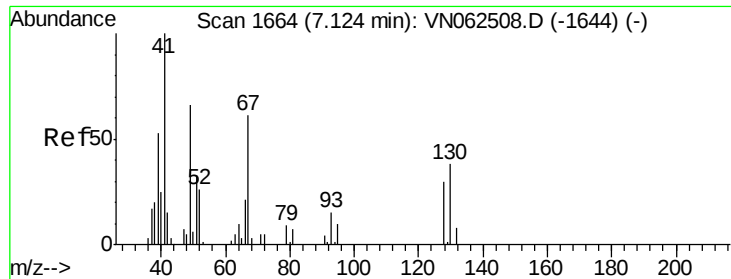
#34
Benzene
Concen: 20.776 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 78 Resp: 238095
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3
51 29.0 23.1 34.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

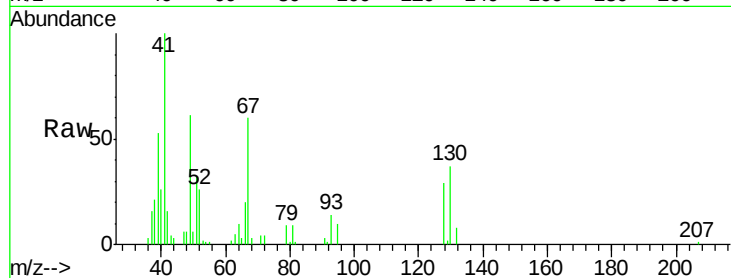




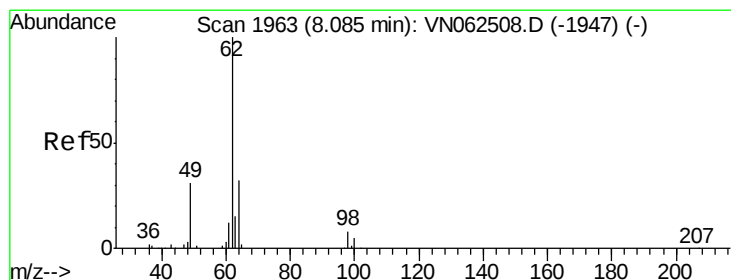
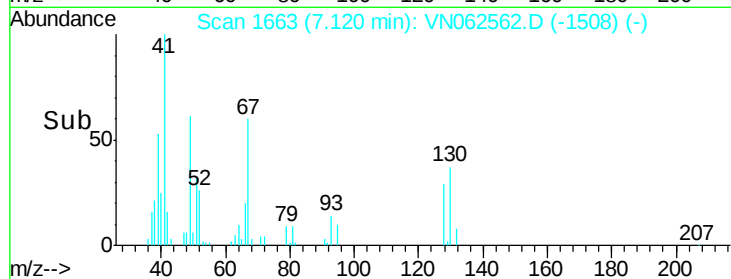
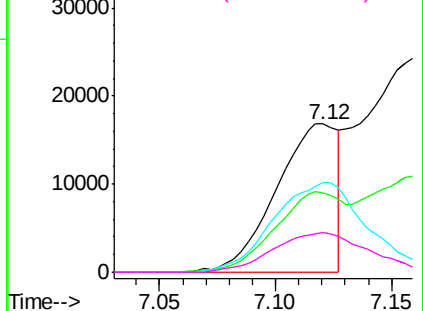
#35
Methacrylonitrile
Concen: 17.319 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	31123
Ion	Ratio	Lower	Upper
41	100		
39	52.4	26.5	79.5
67	60.0	30.7	92.1
52	26.4	13.0	39.0

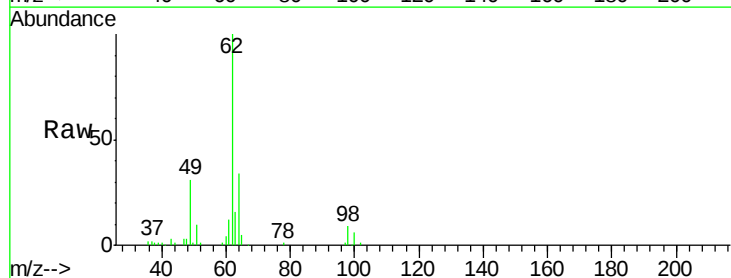


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

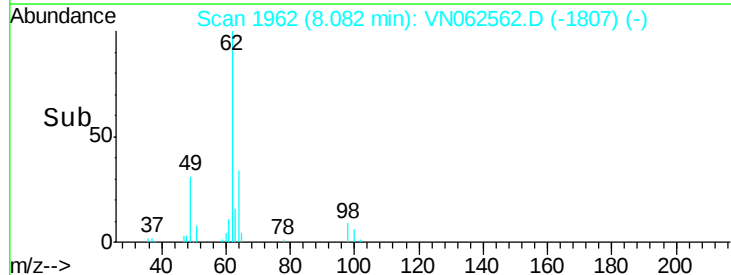
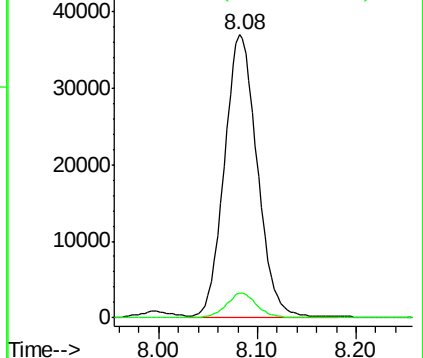


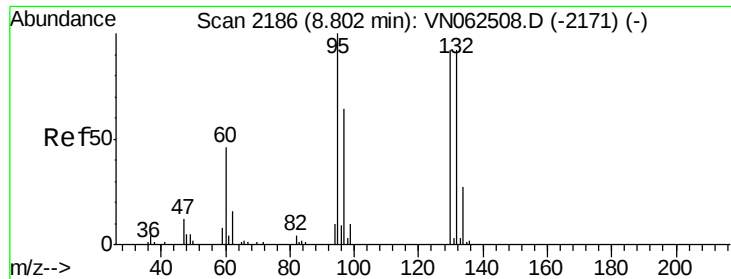
#36
1,2-Dichloroethane
Concen: 20.944 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion:	62	Resp:	86271
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.6	9.8



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

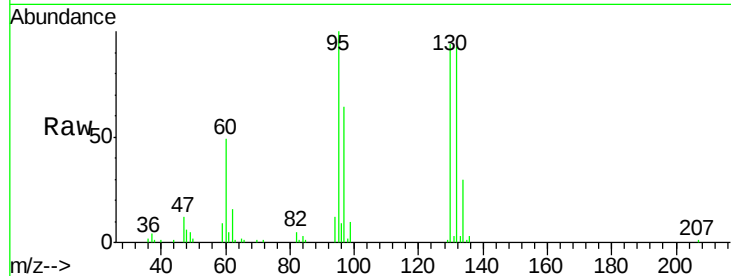




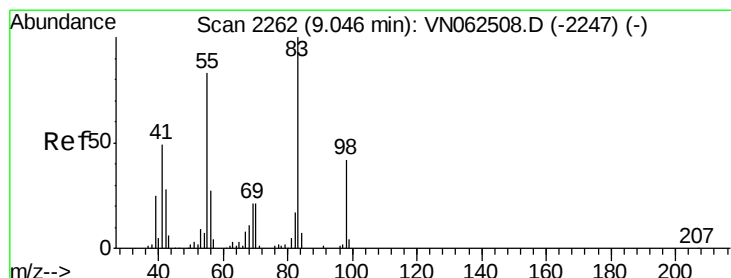
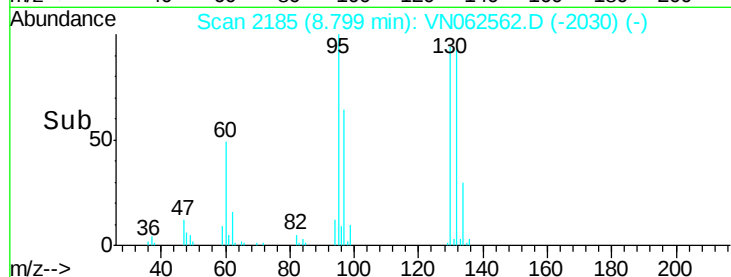
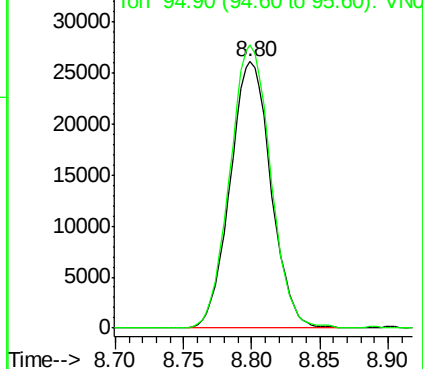
#37
 Trichloroethene
 Concen: 21.089 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 54288
 Ion Ratio Lower Upper
 130 100
 95 106.3 86.5 129.7

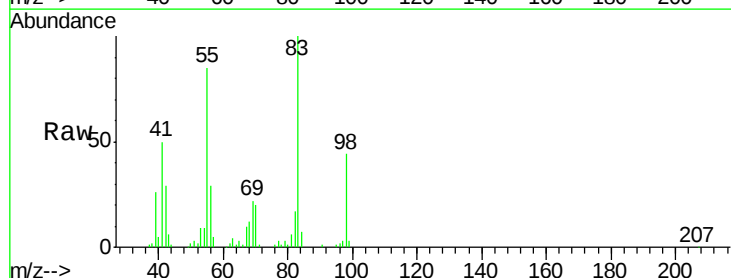


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

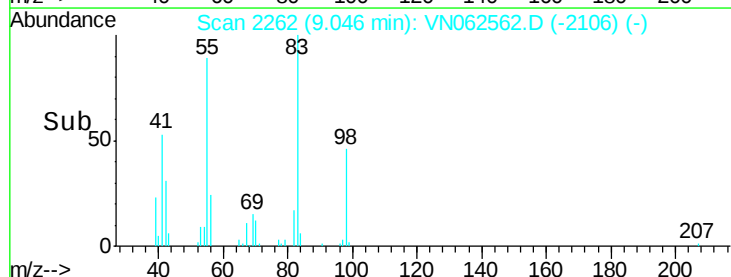
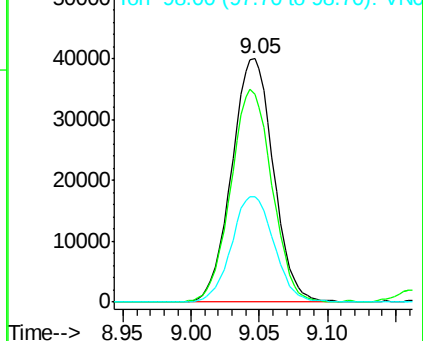


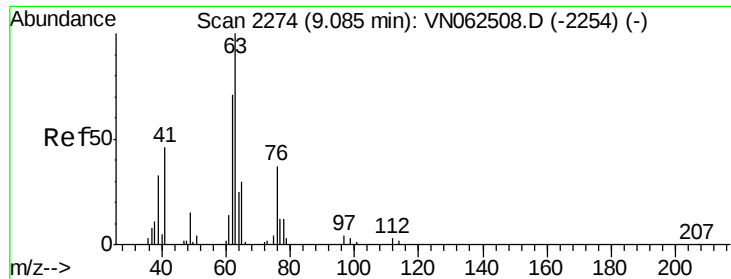
#38
 Methylcyclohexane
 Concen: 19.616 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion: 83 Resp: 84887
 Ion Ratio Lower Upper
 83 100
 55 86.5 42.8 128.3
 98 44.1 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: 20.613 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

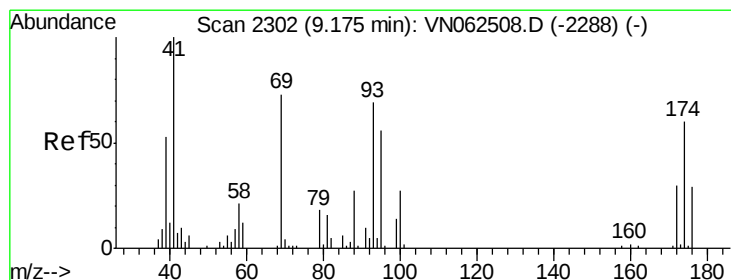
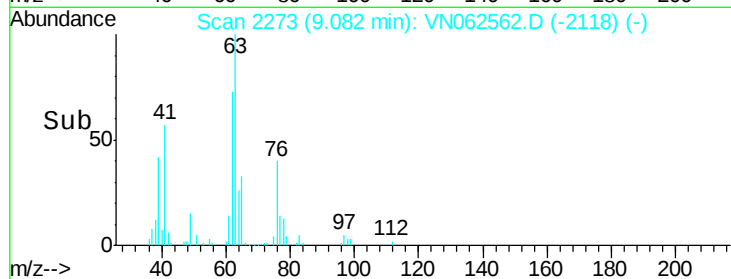
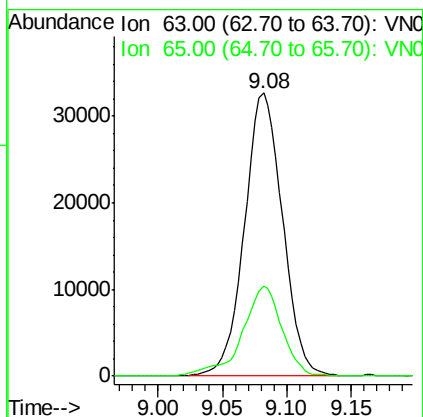
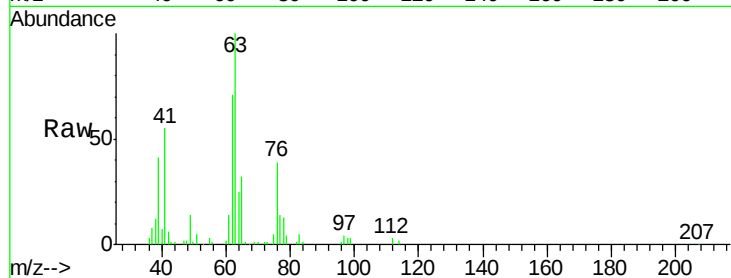
VSTDCCC020EC

Tot Ion: 63 Resp: 67301

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.4



#40

Dibromomethane

Concen: 21.044 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

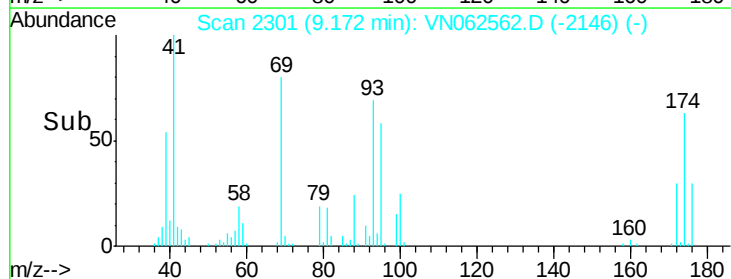
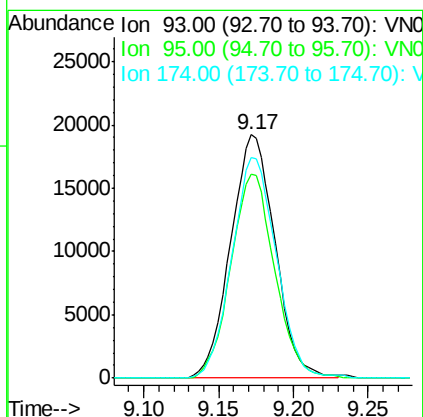
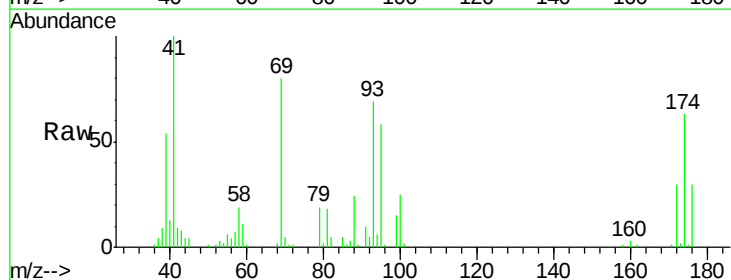
Tgt Ion: 93 Resp: 39598

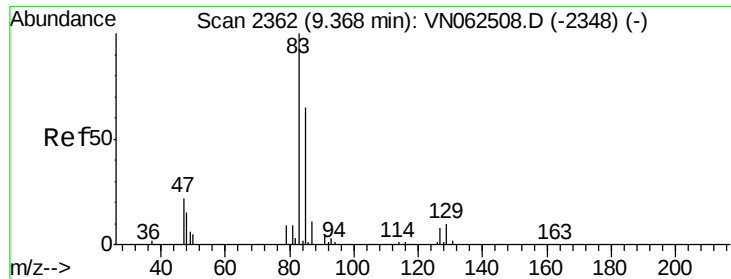
Ion Ratio Lower Upper

93 100

95 82.9 0.0 161.2

174 90.7 0.0 178.0

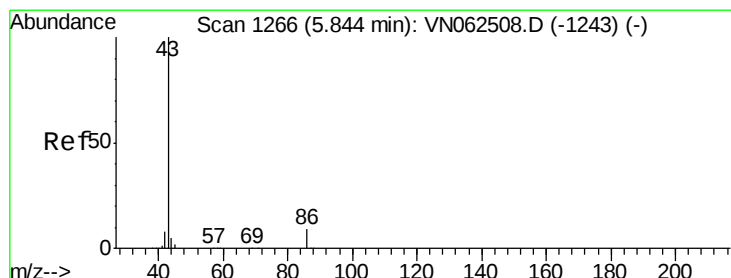
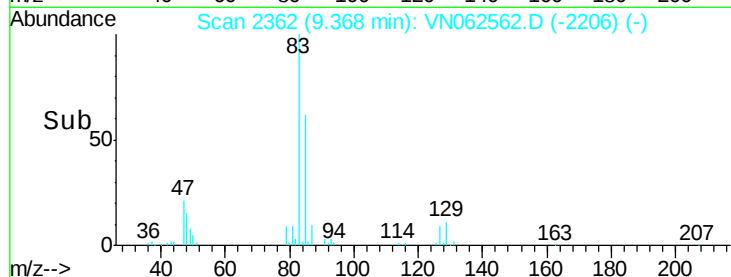
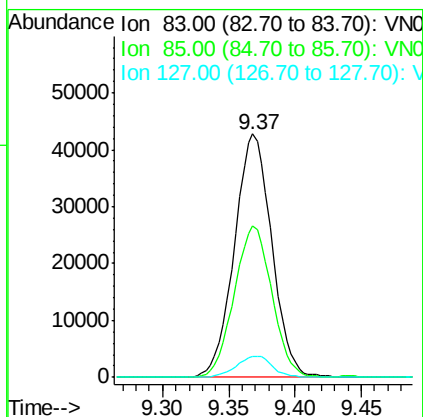
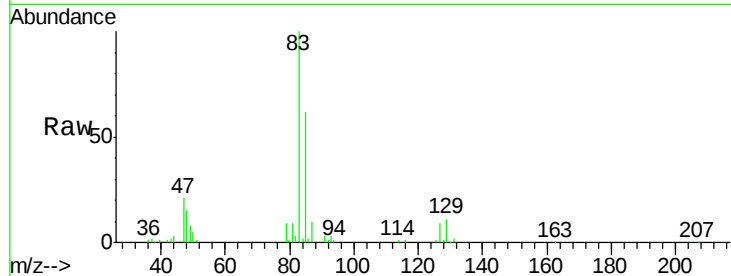




#41
 Bromodichloromethane
 Concen: 21.025 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

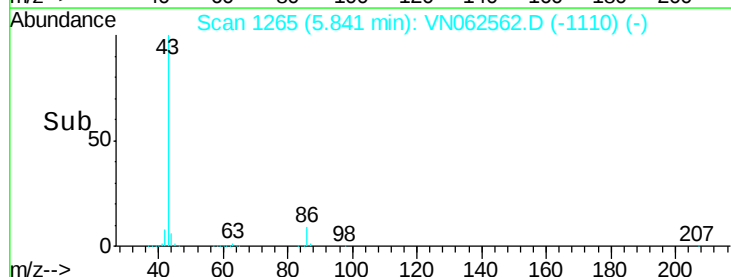
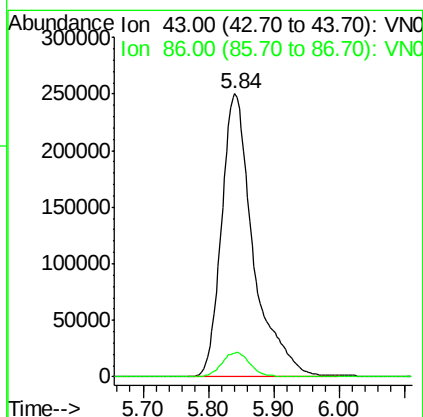
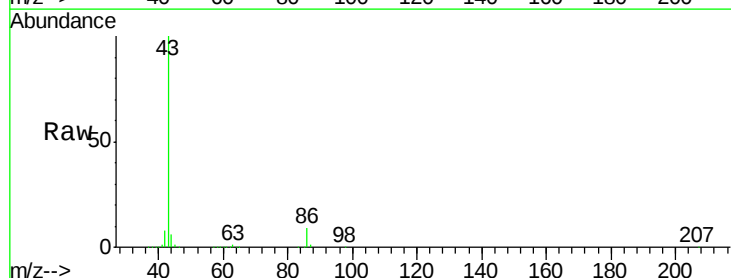
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

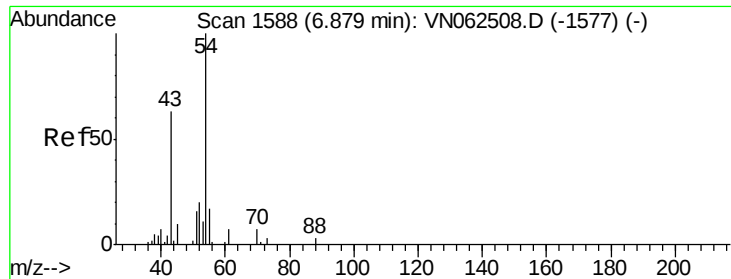
Tot Ion: 83 Resp: 83912
 Ion Ratio Lower Upper
 83 100
 85 62.0 51.6 77.4
 127 8.6 6.3 9.5



#42
 Vinyl Acetate
 Concen: 99.502 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion: 43 Resp: 845892
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.1 9.1

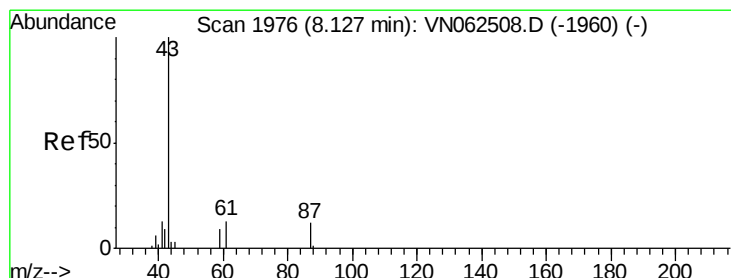
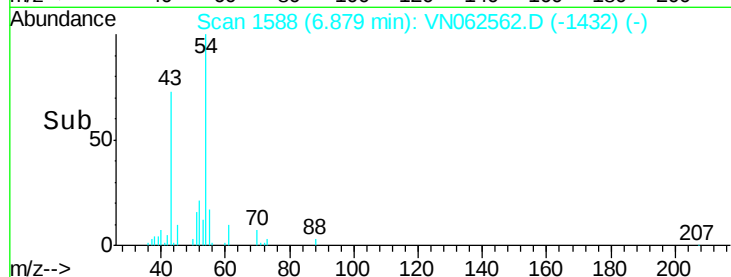
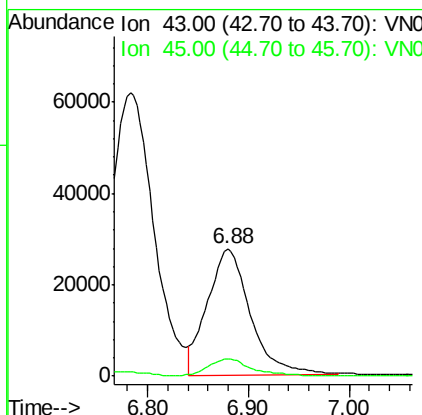
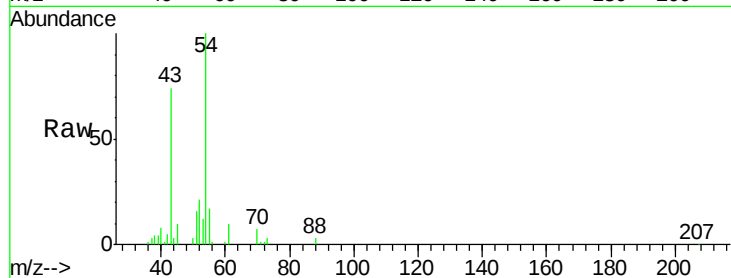




#43
Ethyl Acetate
Concen: 19.932 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

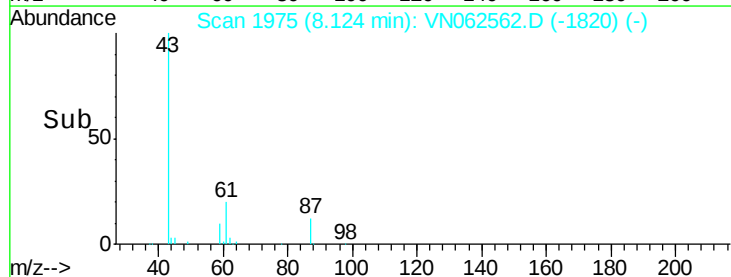
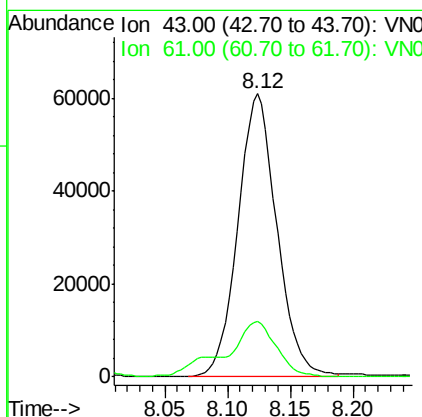
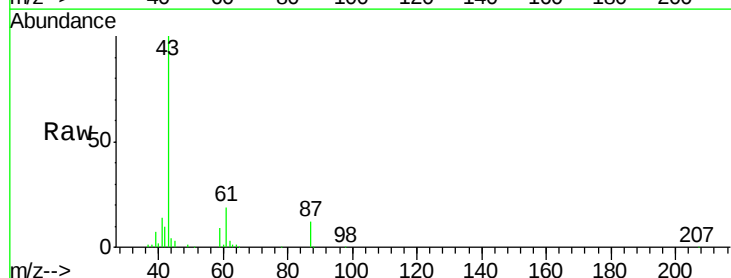
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

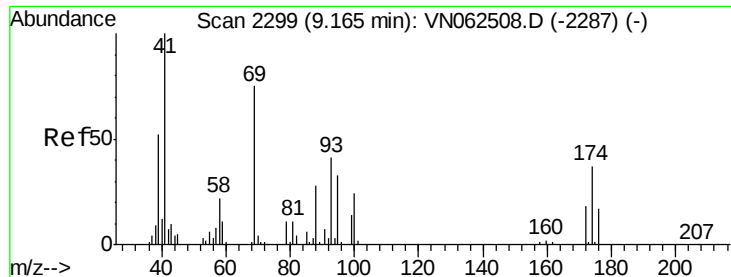
Tot Ion: 43 Resp: 81981
Ion Ratio Lower Upper
43 100
45 12.4 10.2 15.4



#44
Isopropyl Acetate
Concen: 19.126 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 43 Resp: 131983
Ion Ratio Lower Upper
43 100
61 19.1 14.7 22.1

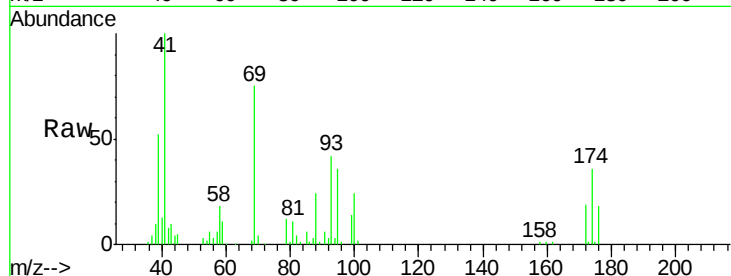




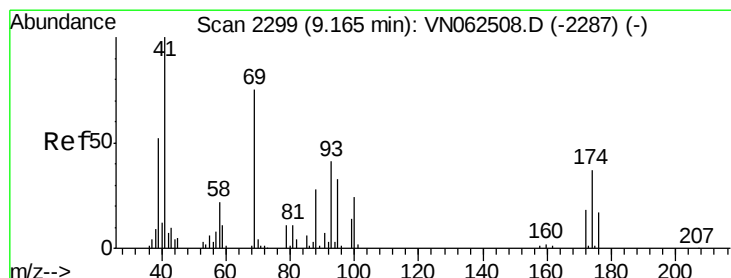
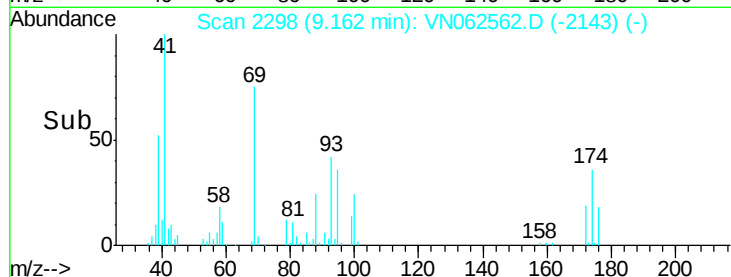
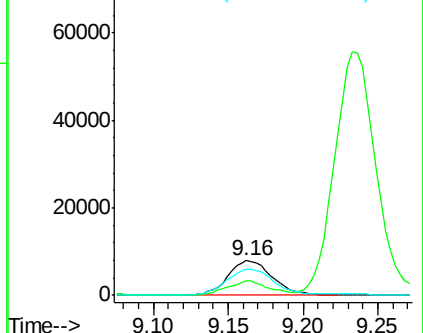
#45
 1,4-Dioxane
 Concen: 349.003 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 16475
 Ion Ratio Lower Upper
 88 100
 43 40.4 29.2 43.8
 58 79.8 62.2 93.4

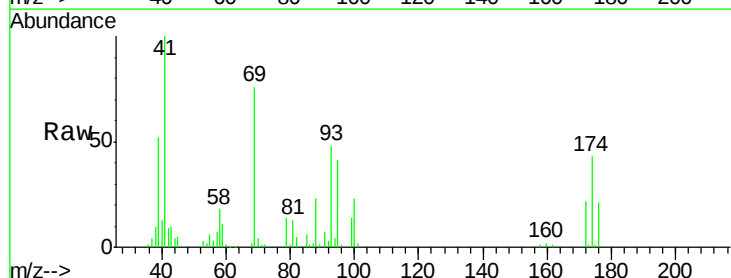


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

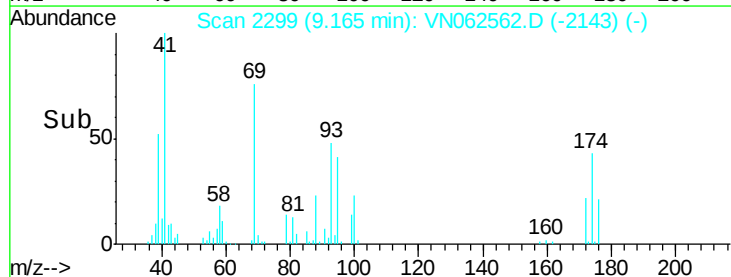
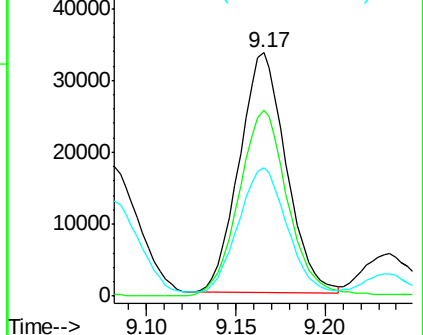


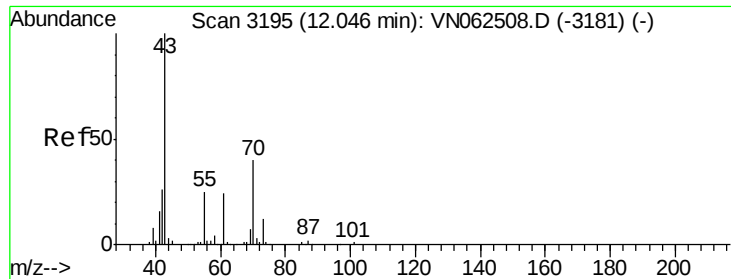
#46
 Methyl methacrylate
 Concen: 18.783 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion: 41 Resp: 61494
 Ion Ratio Lower Upper
 41 100
 69 77.6 37.4 112.2
 39 51.6 25.9 77.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

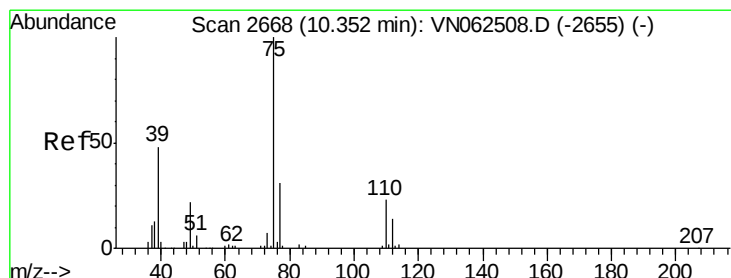
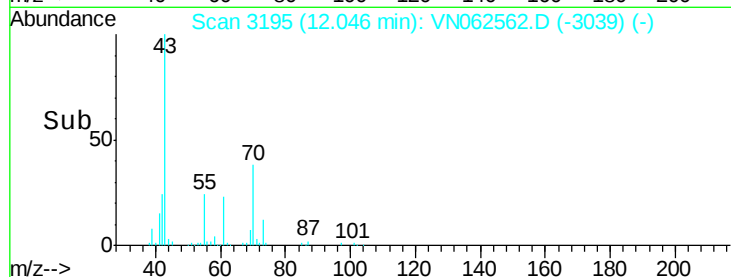
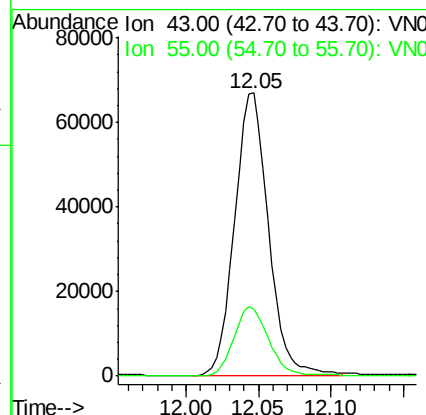
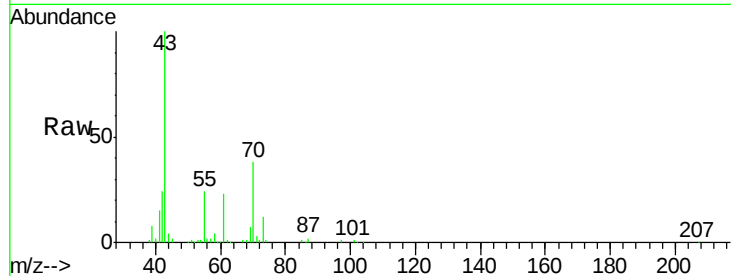




#47
n-amvl Acetate
Concen: 18.787 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

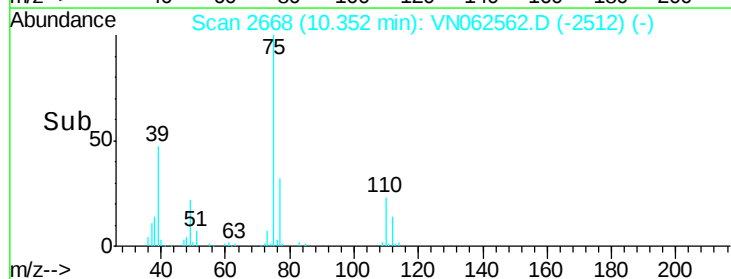
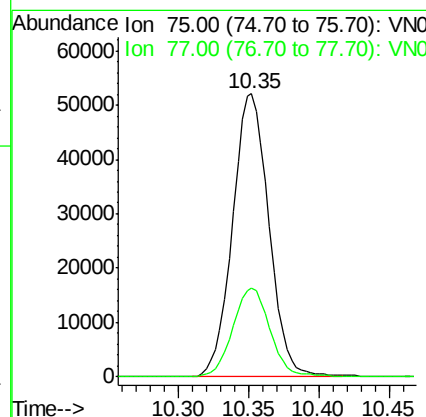
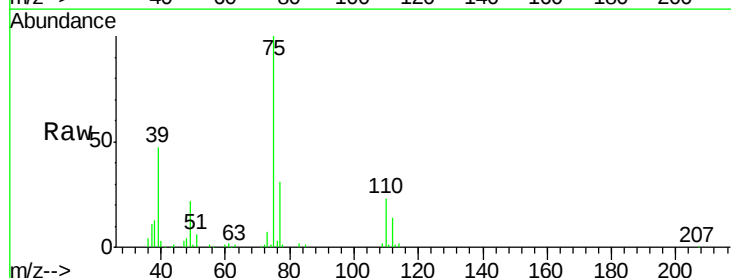
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

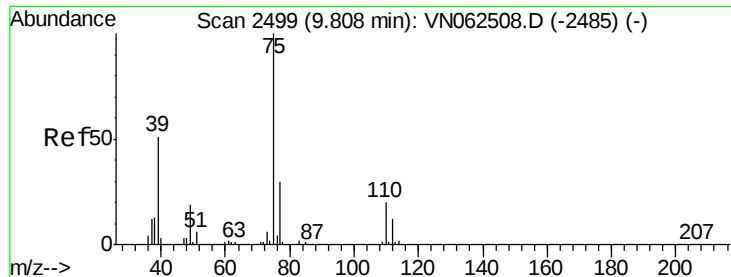
Tot Ion: 43 Resp: 109287
Ion Ratio Lower Upper
43 100
55 25.0 20.4 30.6



#48
t-1,3-Dichloropropene
Concen: 20.203 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 75 Resp: 94045
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

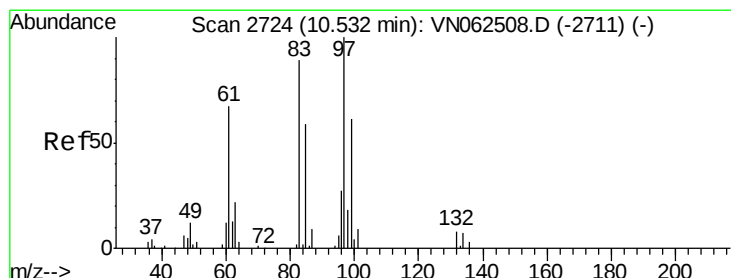
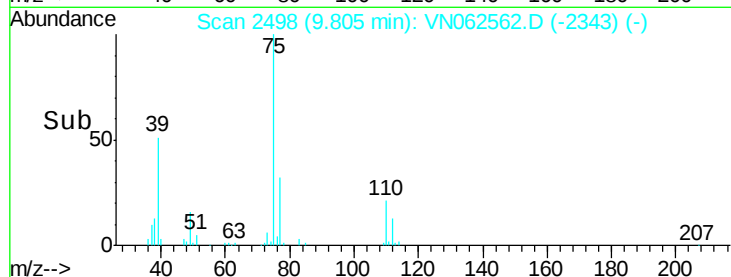
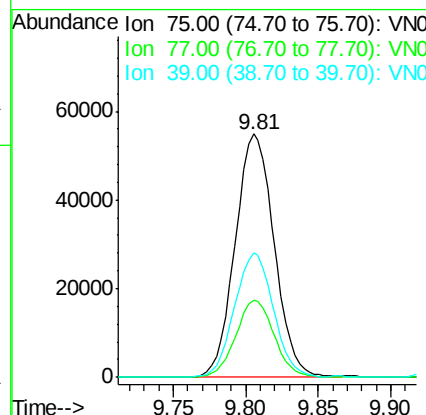
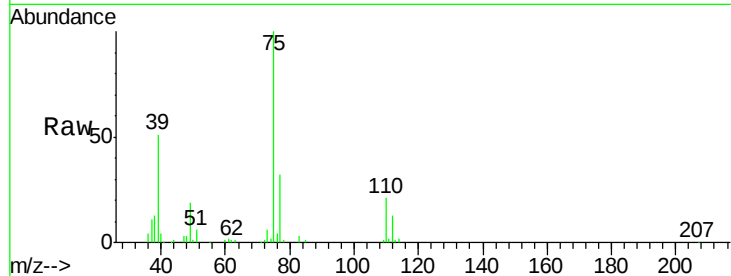




#49
 cis-1,3-Dichloropropene
 Concen: 20.462 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

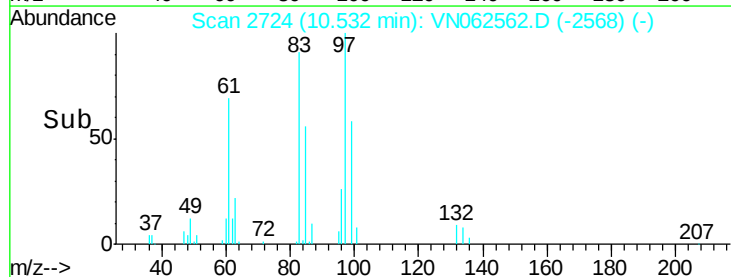
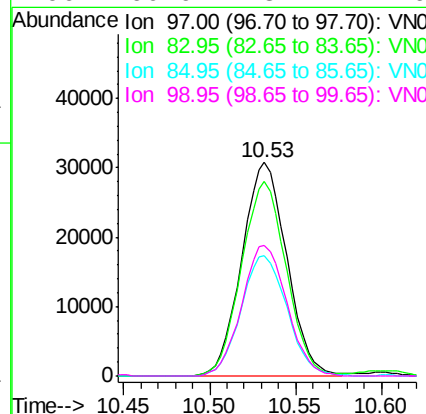
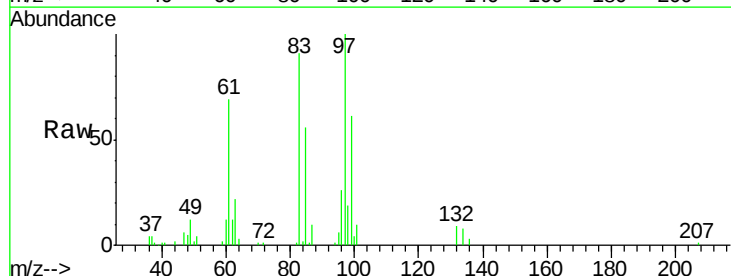
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

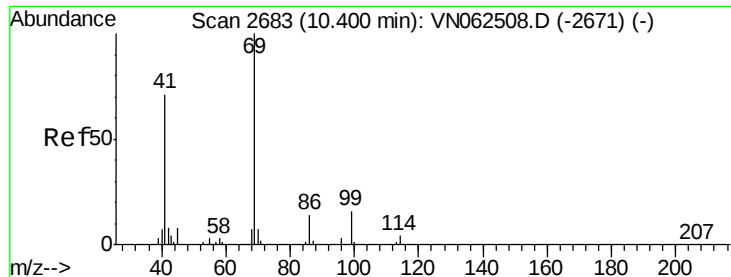
Tot Ion: 75 Resp: 102819
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.7 35.5
 39 51.0 40.5 60.7



#50
 1,1,2-Trichloroethane
 Concen: 21.159 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion: 97 Resp: 55807
 Ion Ratio Lower Upper
 97 100
 83 90.8 71.3 106.9
 85 56.2 47.2 70.8
 99 60.9 48.4 72.6





#51

Ethyl methacrylate

Concen: 19.018 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

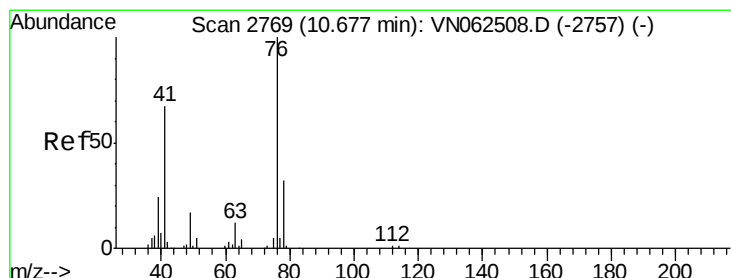
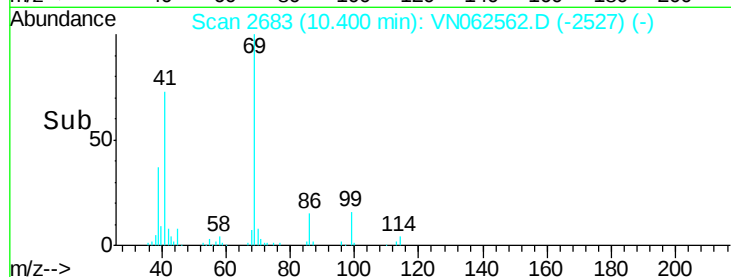
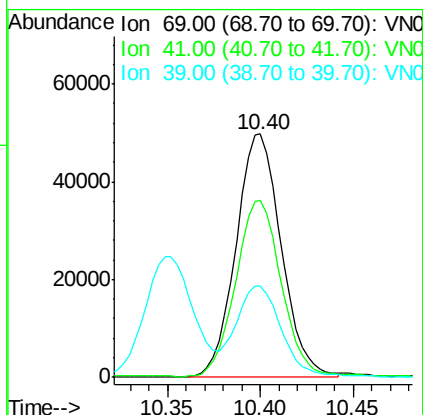
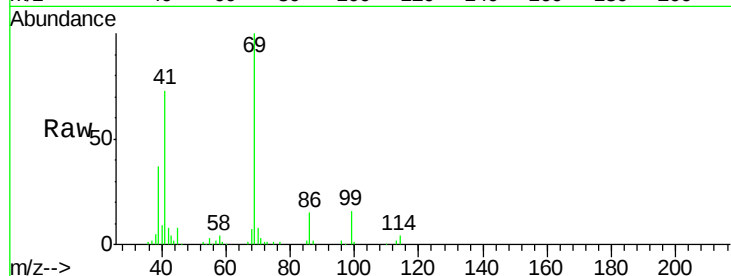
Tot Ion: 69 Resp: 84452

Ion Ratio Lower Upper

69 100

41 72.1 35.6 106.8

39 36.4 17.2 51.5



#52

1,3-Dichloropropane

Concen: 20.937 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN062562.D

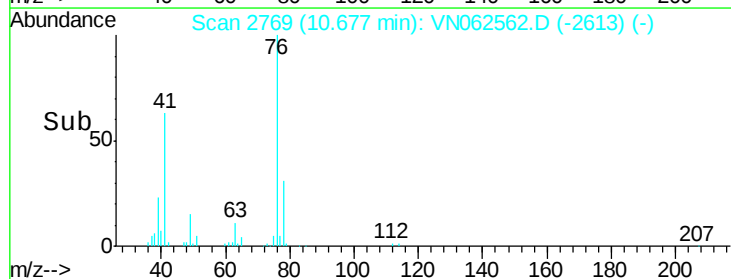
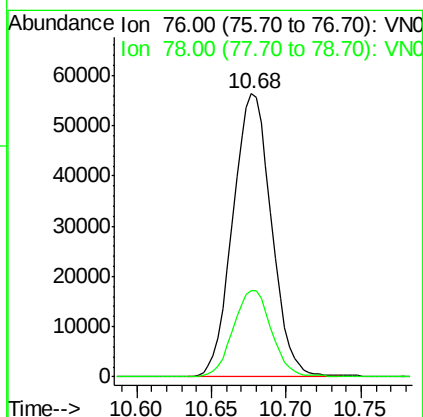
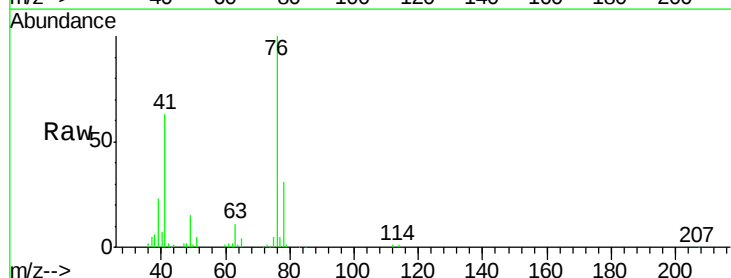
Acq: 20 Jul 2020 15:38

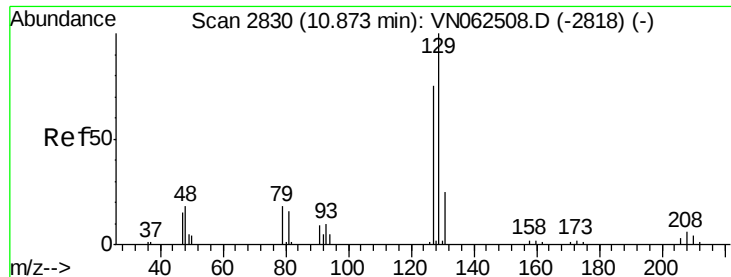
Tgt Ion: 76 Resp: 101348

Ion Ratio Lower Upper

76 100

78 30.3 0.0 63.6

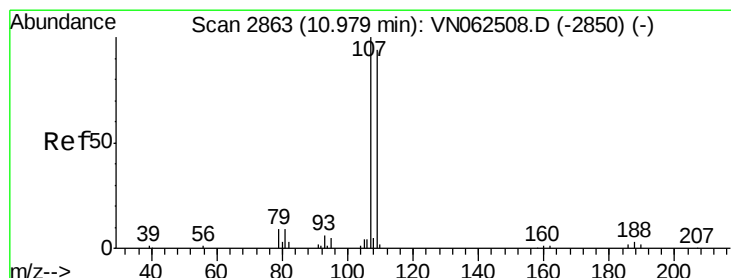
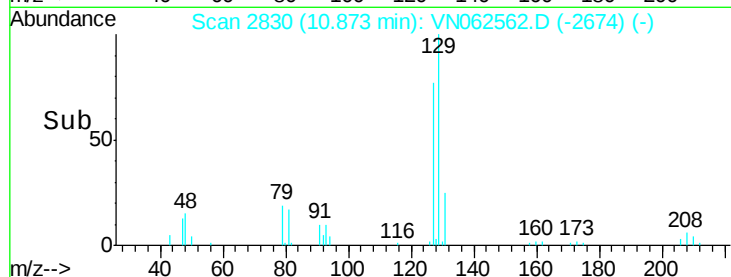
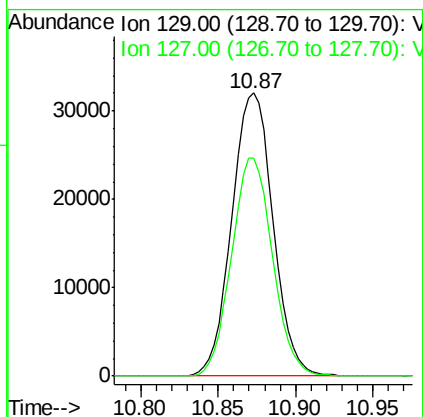
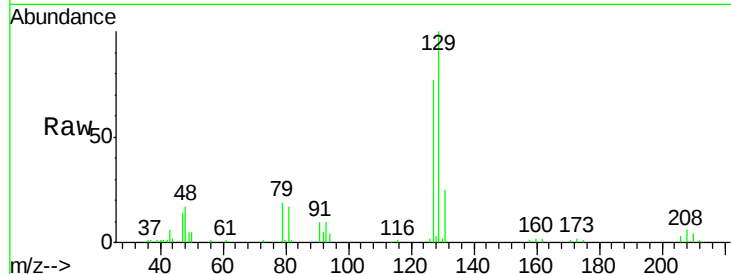




#53
 Dibromochloromethane
 Concen: 20.706 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

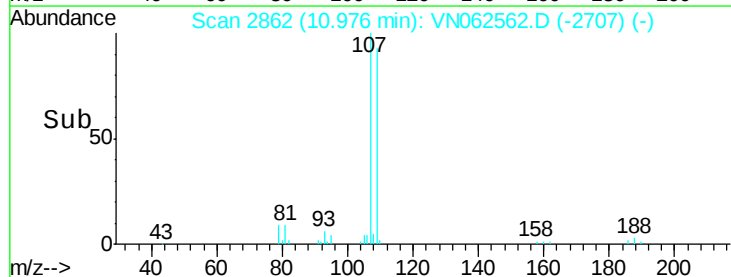
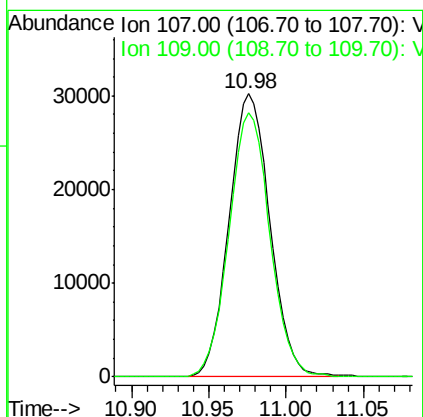
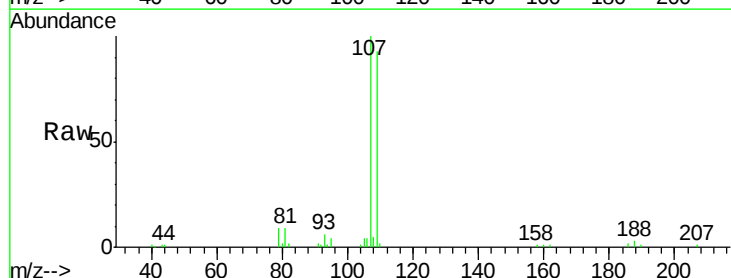
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

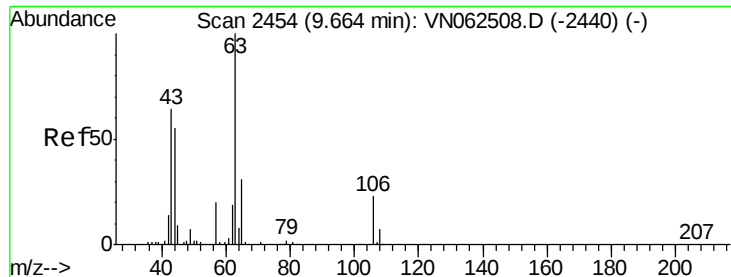
Tot Ion:129 Resp: 59502
 Ion Ratio Lower Upper
 129 100
 127 76.3 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 20.503 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion:107 Resp: 55350
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.8 112.2

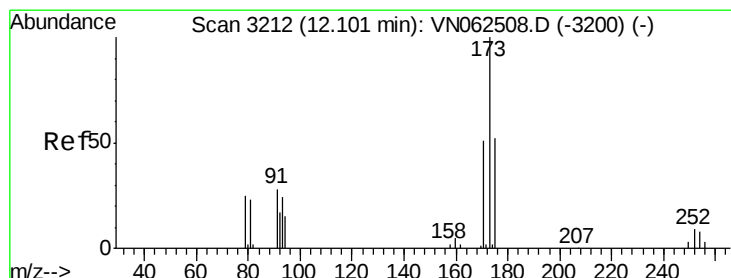
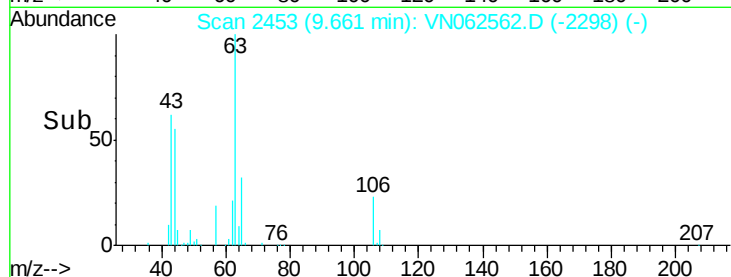
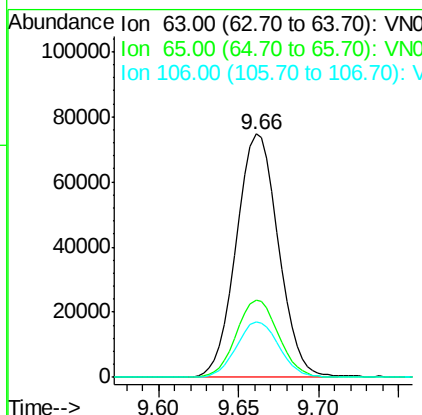
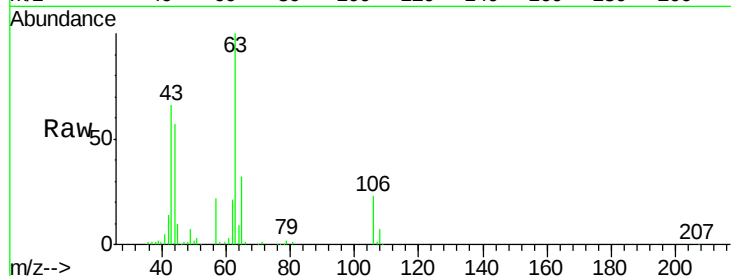




#55
 2-Chloroethyl vinyl ether
 Concen: 94.793 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

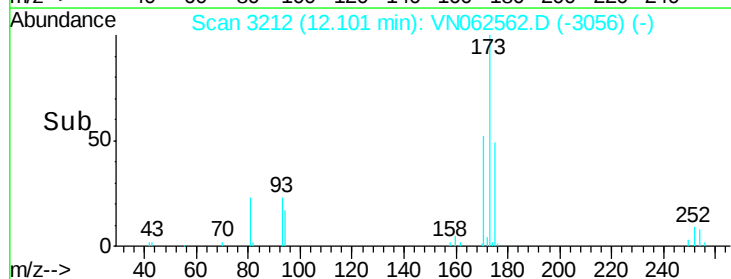
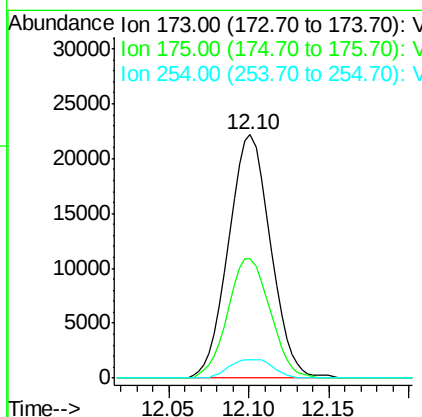
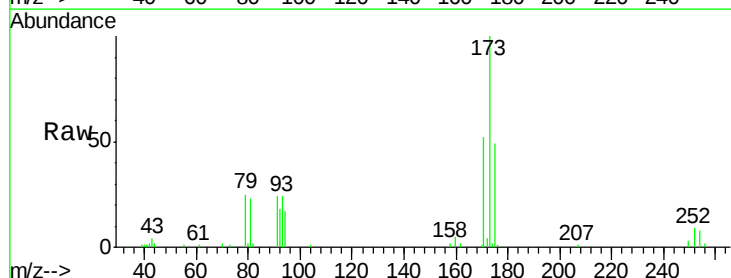
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

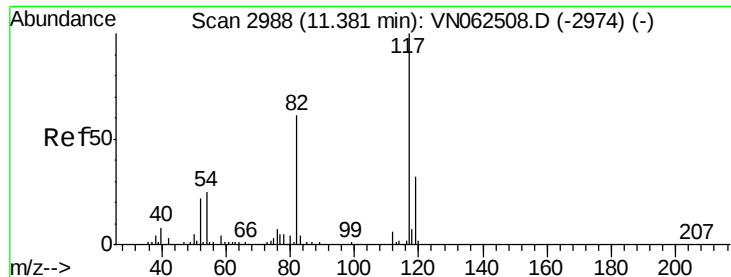
Tot Ion: 63 Resp: 134447
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2
 106 23.0 18.4 27.6



#56
 Bromoform
 Concen: 20.251 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion: 173 Resp: 39747
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.1 57.1
 254 7.9 6.2 9.2

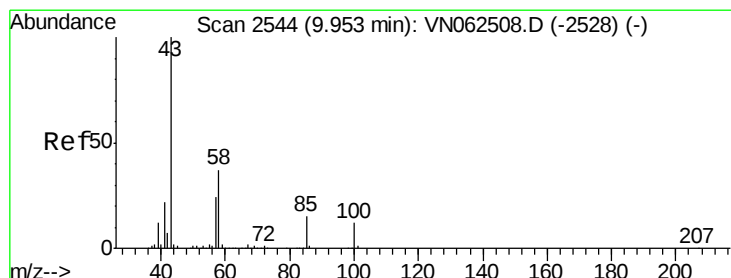
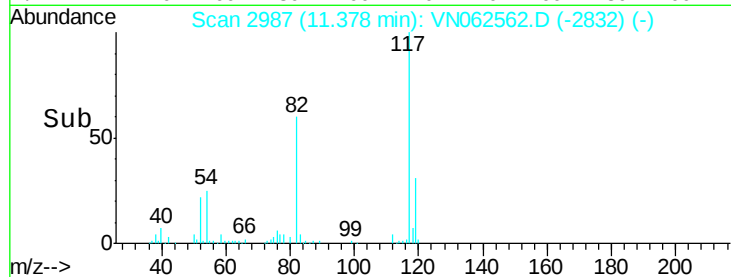
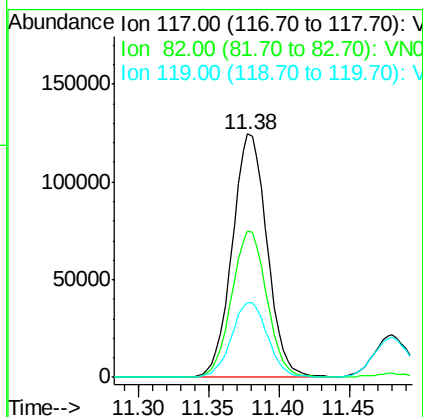
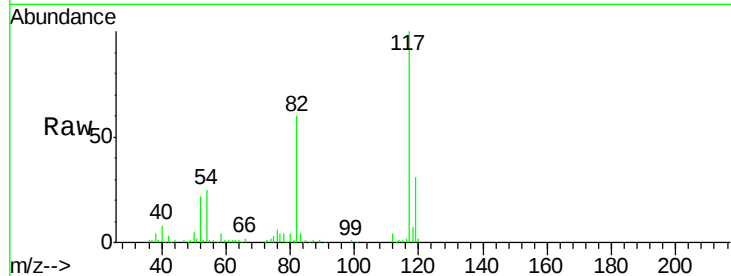




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

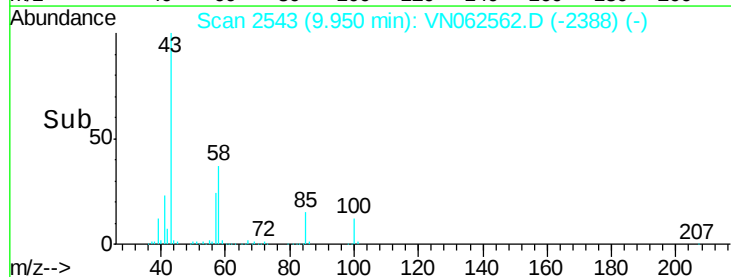
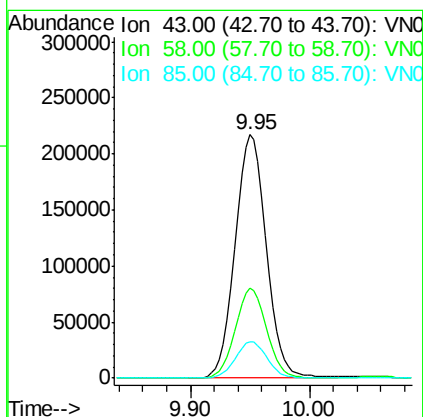
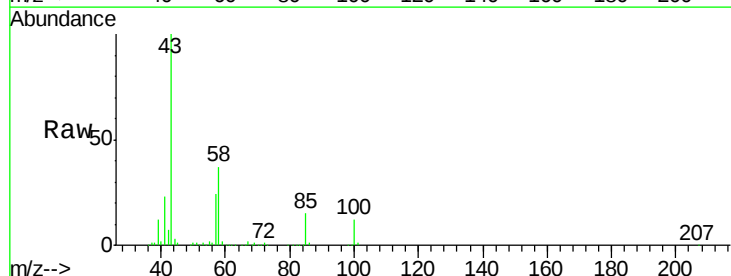
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

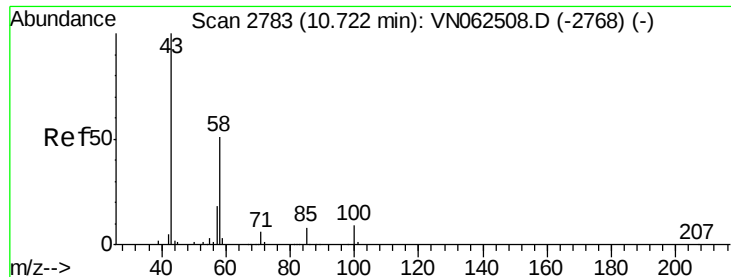
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	49.0	73.6
119	31.8	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 93.700 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.6	44.4
85	15.1	12.0	18.0

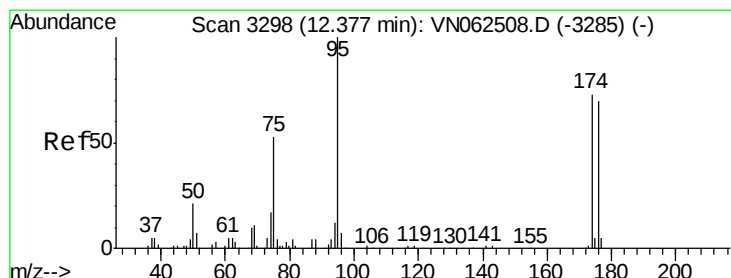
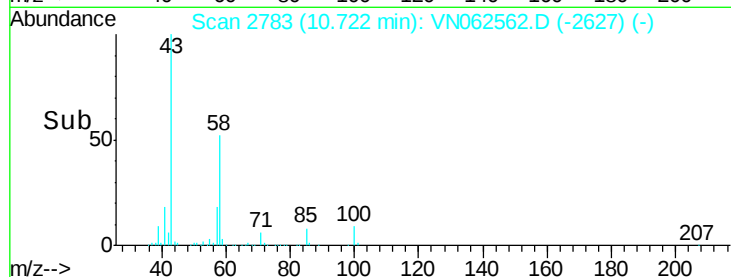
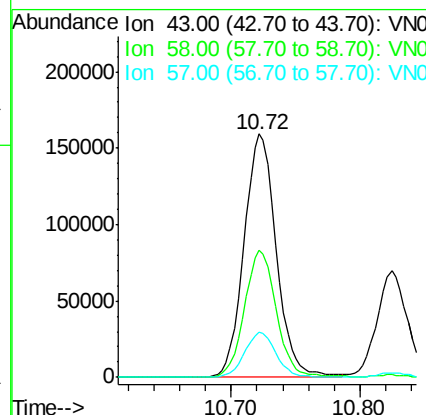
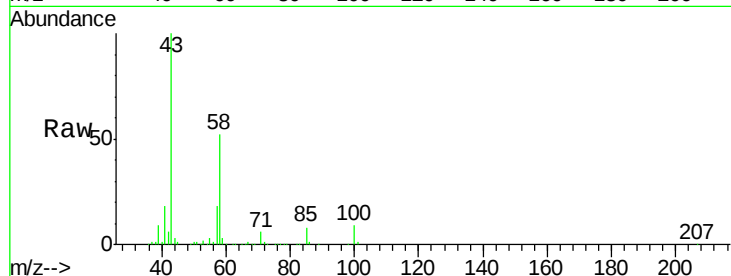




#59
2-Hexanone
Concen: 89.405 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

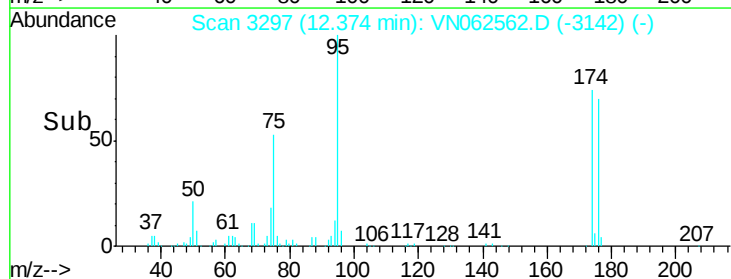
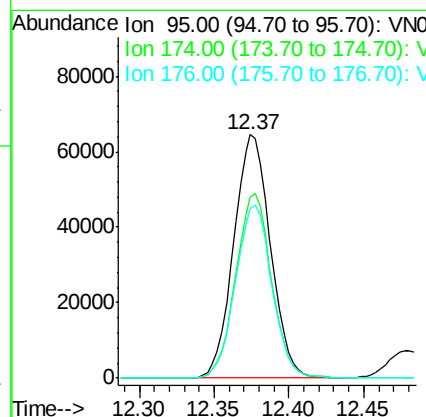
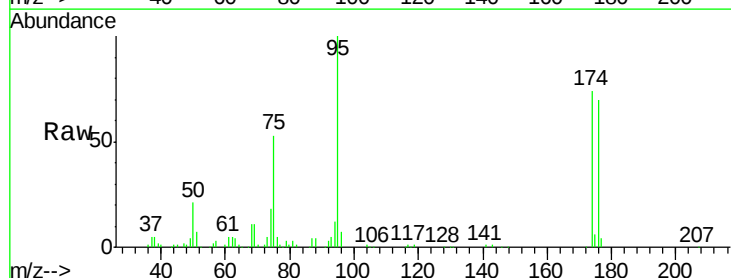
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

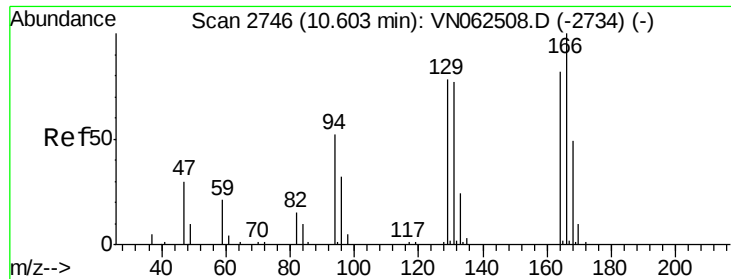
Tot Ion: 43 Resp: 276216
Ion Ratio Lower Upper
43 100
58 51.9 41.2 61.8
57 18.2 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.951 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 95 Resp: 110202
Ion Ratio Lower Upper
95 100
174 73.8 57.5 86.3
176 70.6 56.3 84.5





#61

Tetrachloroethene

Concen: 21.133 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 46792

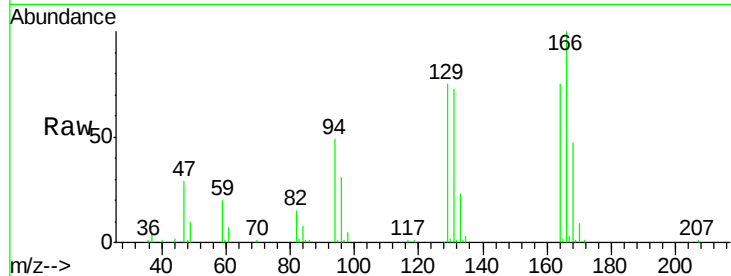
Ion Ratio Lower Upper

164 100

166 132.5 97.7 146.5

129 99.7 77.0 115.4

131 96.9 75.0 112.6

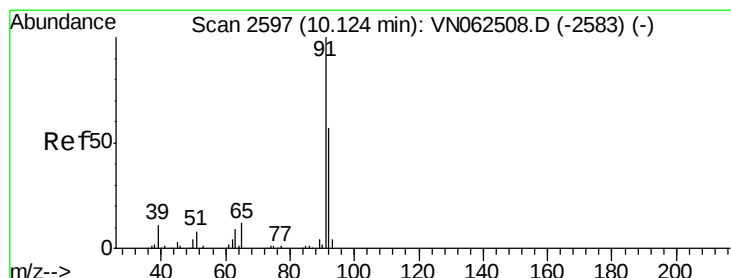
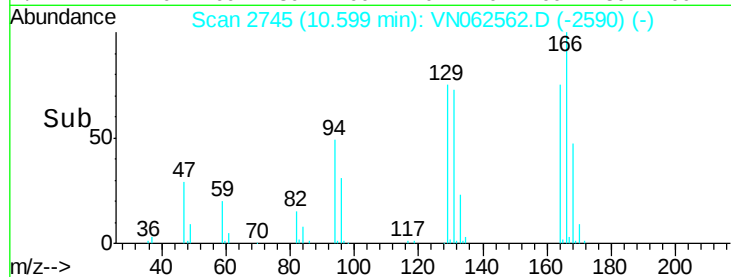
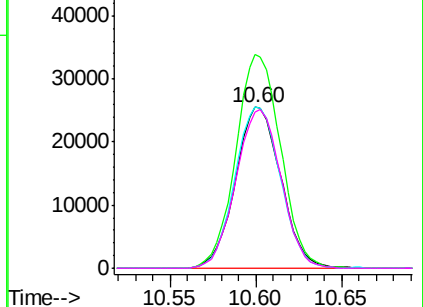


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.277 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062562.D

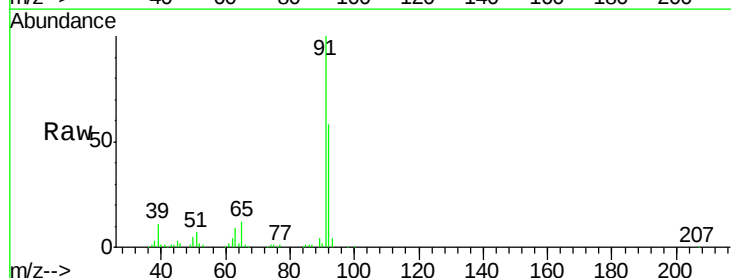
Acq: 20 Jul 2020 15:38

Tgt Ion: 91 Resp: 248712

Ion Ratio Lower Upper

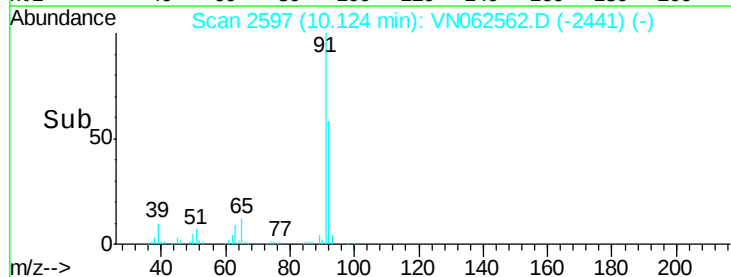
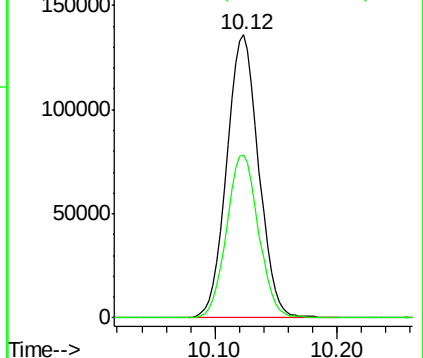
91 100

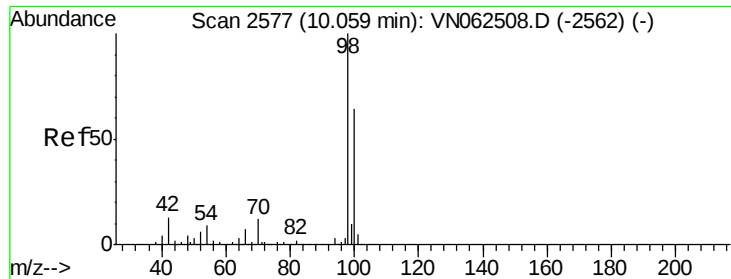
92 57.6 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.760 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

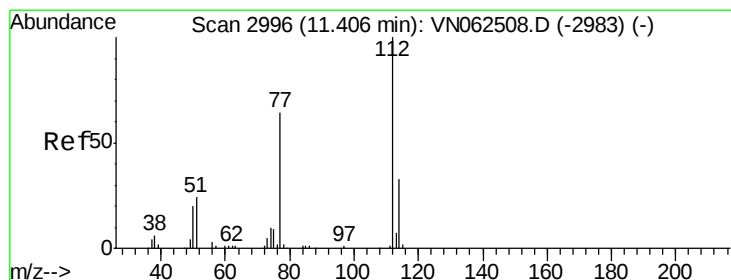
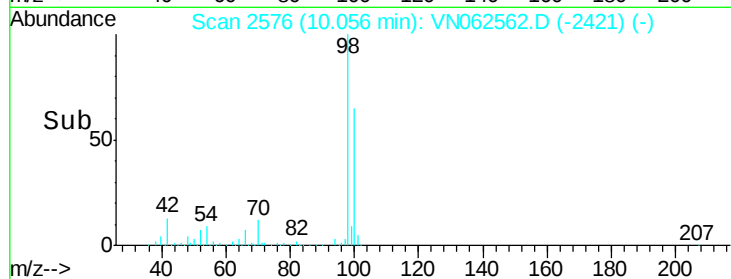
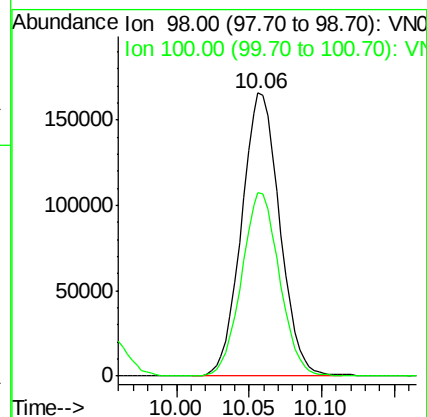
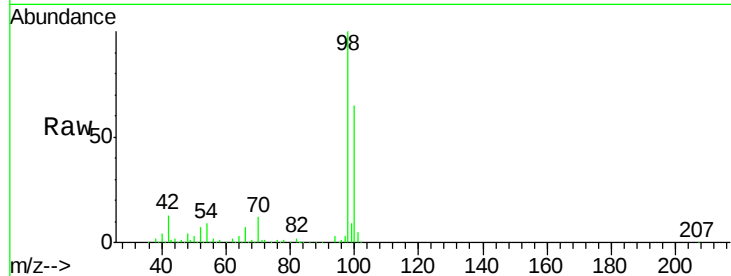
VSTDCCC020EC

Tot Ion: 98 Resp: 304050

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6



#64

Chlorobenzene

Concen: 20.173 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062562.D

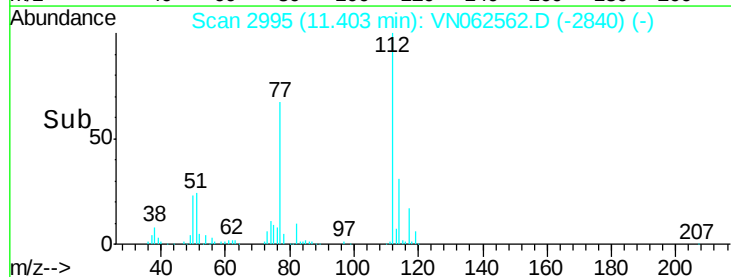
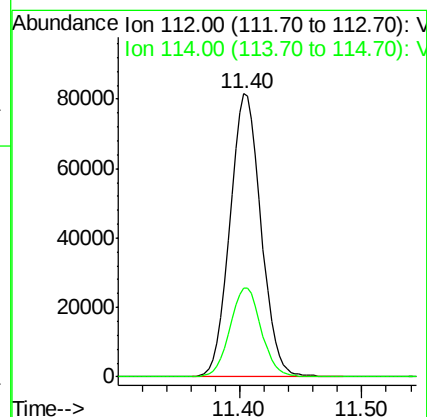
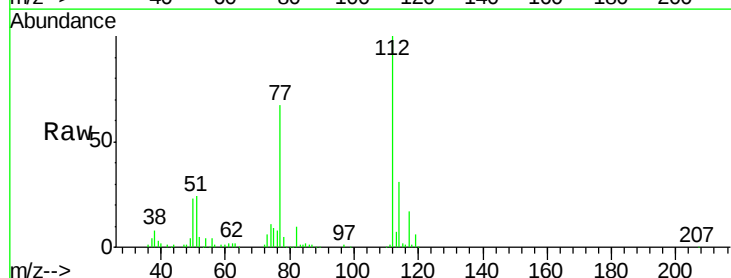
Acq: 20 Jul 2020 15:38

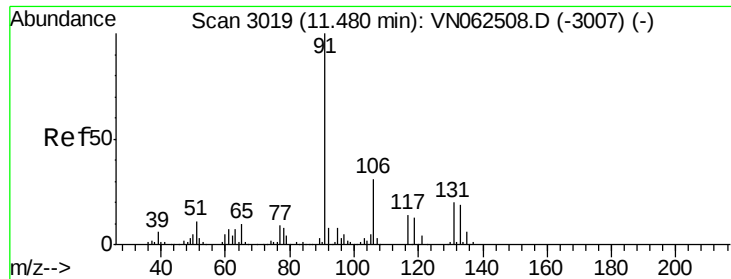
Tgt Ion: 112 Resp: 145397

Ion Ratio Lower Upper

112 100

114 31.4 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.364 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

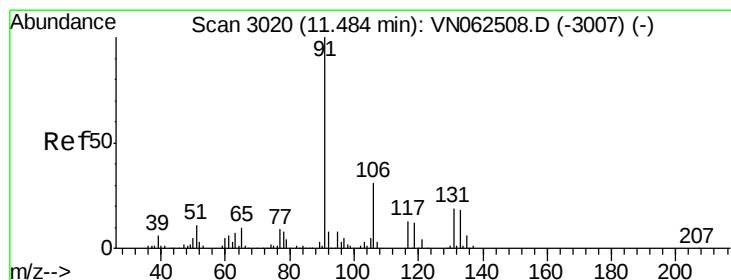
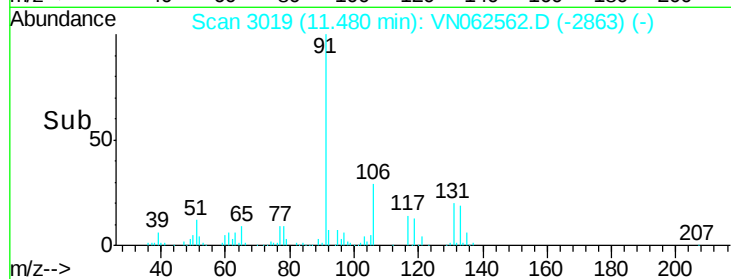
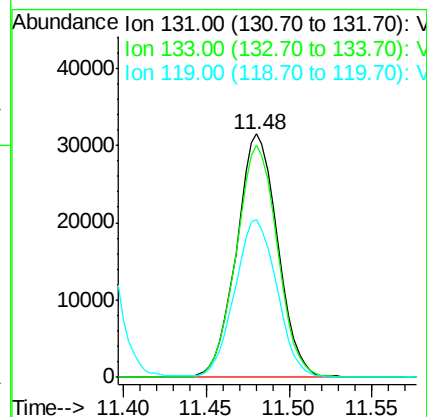
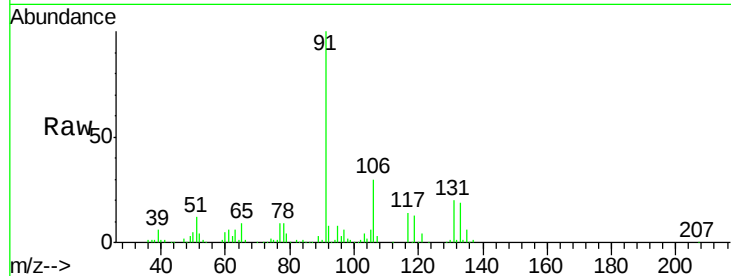
Tot Ion:131 Resp: 54330

Ion Ratio Lower Upper

131 100

133 95.3 0.0 191.4

119 66.3 0.0 136.2



#66

Ethyl Benzene

Concen: 19.880 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062562.D

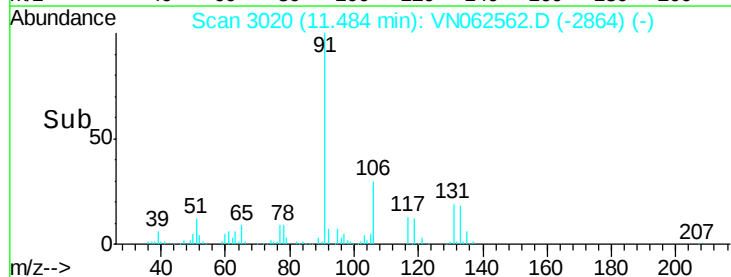
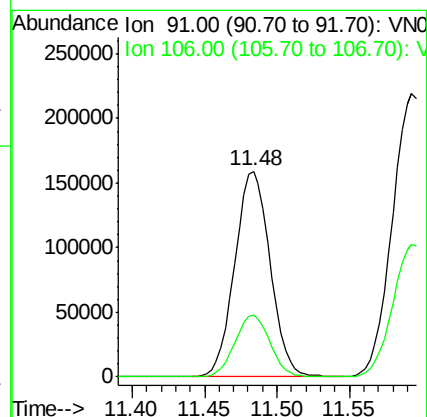
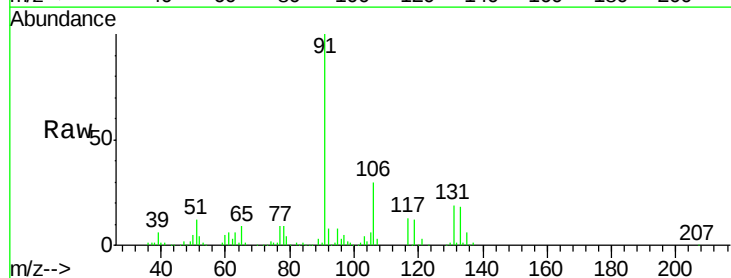
Acq: 20 Jul 2020 15:38

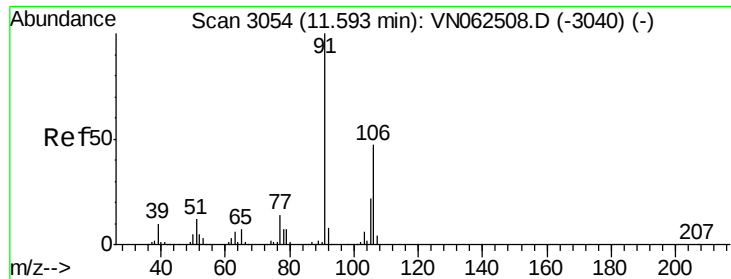
Tgt Ion: 91 Resp: 270032

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8

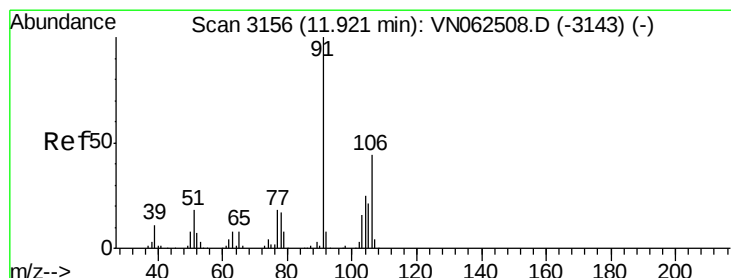
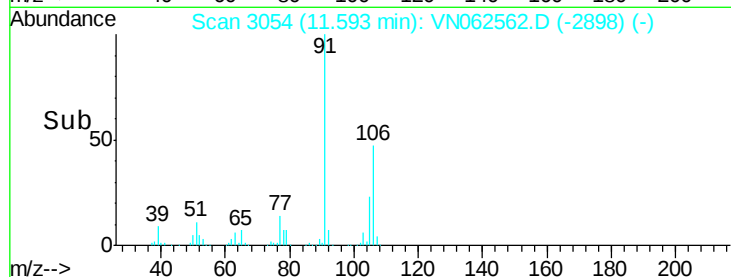
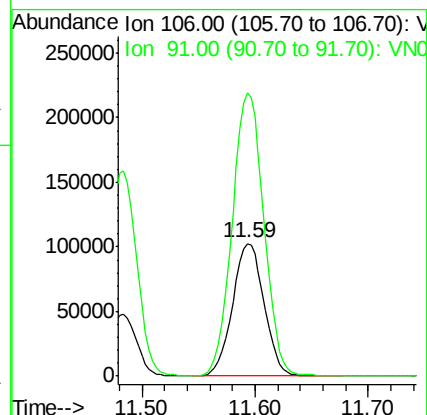
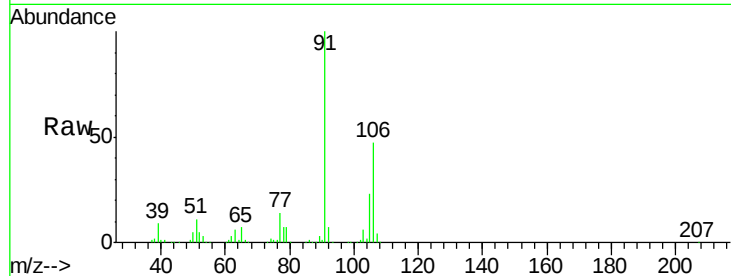




#67
m/p-Xylenes
Concen: 40.323 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

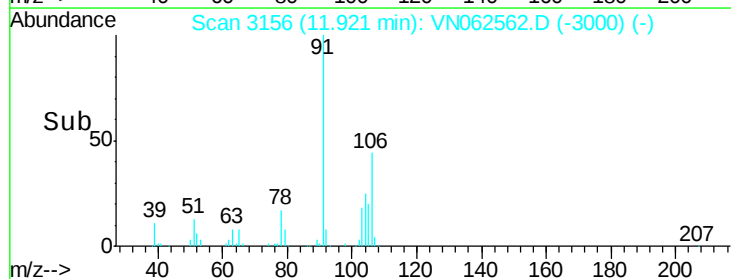
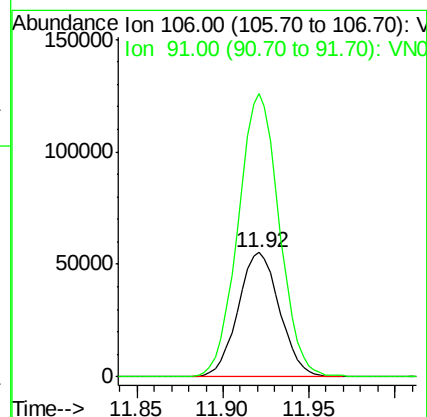
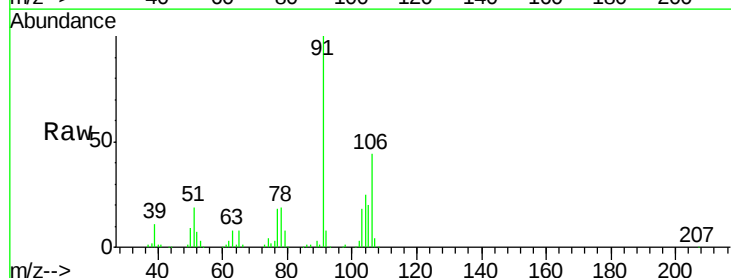
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

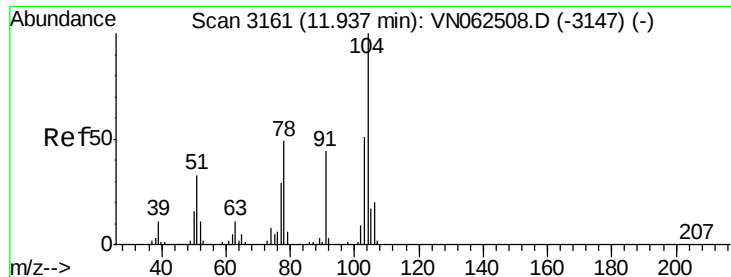
Tot Ion:106 Resp: 198801
Ion Ratio Lower Upper
106 100
91 213.3 170.7 256.1



#68
o-Xylene
Concen: 19.694 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion:106 Resp: 93179
Ion Ratio Lower Upper
106 100
91 225.3 113.9 341.6

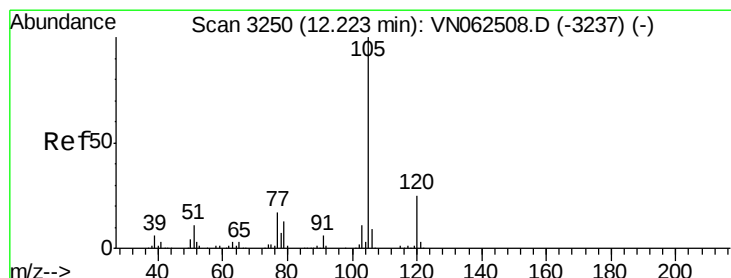
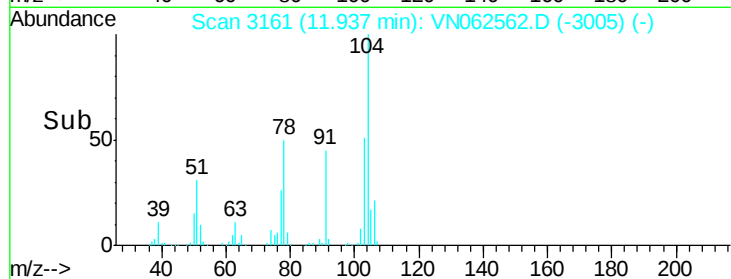
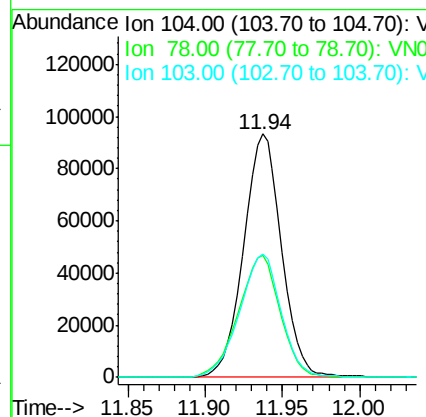
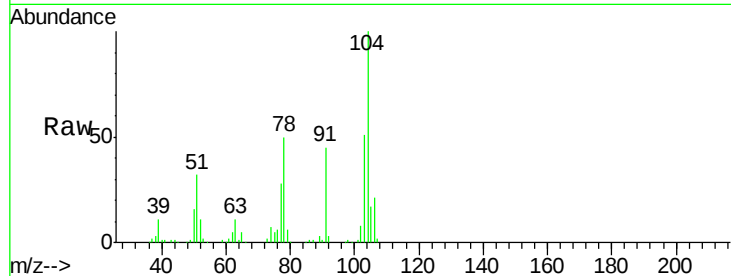




#69
 Stvrene
 Concen: 19.783 ug/l
 RT: 11.94 min Scan# 3161
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

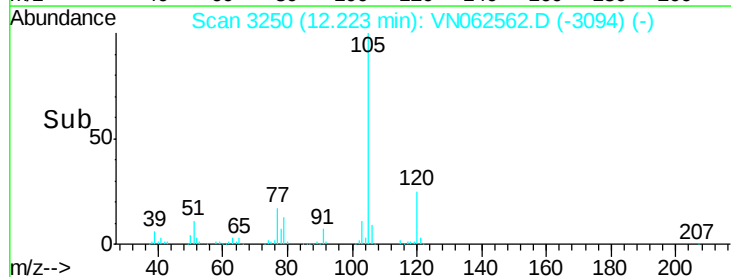
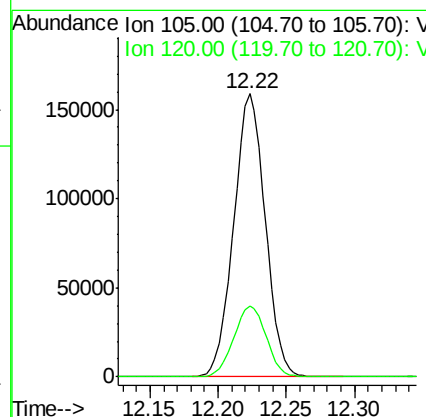
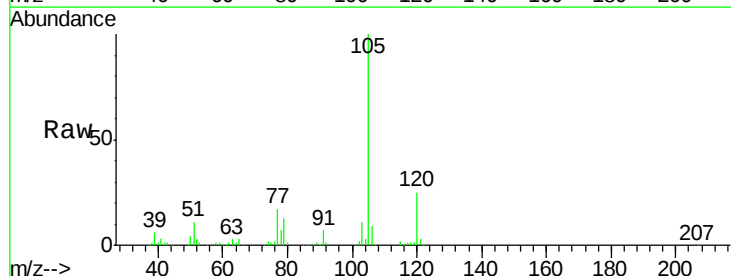
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

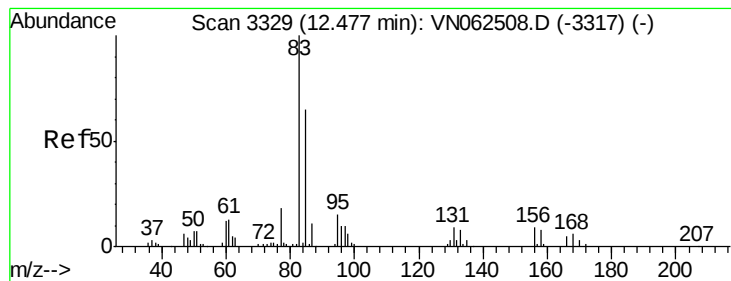
Tot Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	55.2	43.9	65.9
103	103	55.6	43.8	65.6



#70
 Isopropylbenzene
 Concen: 20.065 ug/l
 RT: 12.22 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	25.8	17.6	32.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.637 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

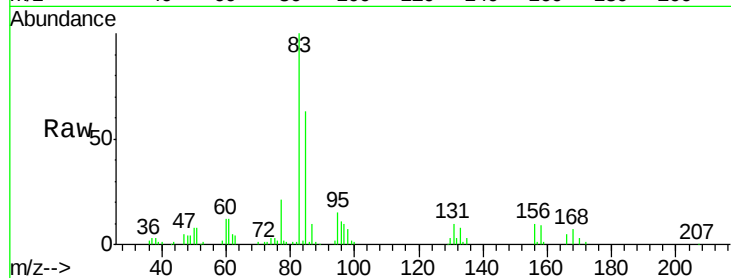
Tot Ion: 83 Resp: 80606

Ion Ratio Lower Upper

83 100

131 9.7 4.5 13.7

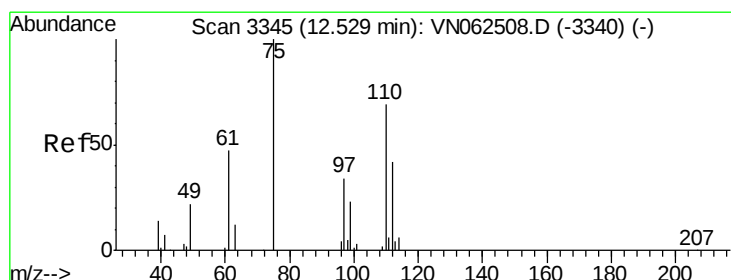
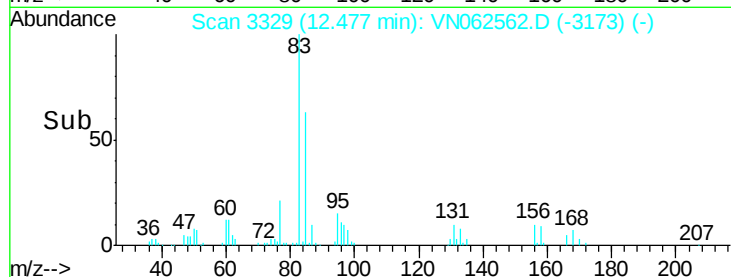
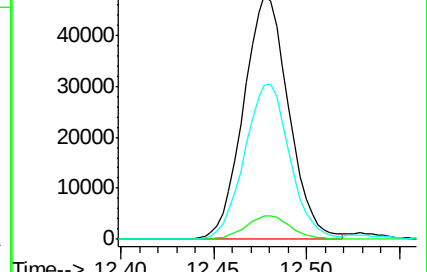
85 63.7 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VN062562.D (-3173) (-)

Ion 131.00 (130.70 to 131.70): VN062562.D (-3173) (-)

Ion 85.00 (84.70 to 85.70): VN062562.D (-3173) (-)



#72

1,2,3-Trichloropropane

Concen: 18.777 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN062562.D

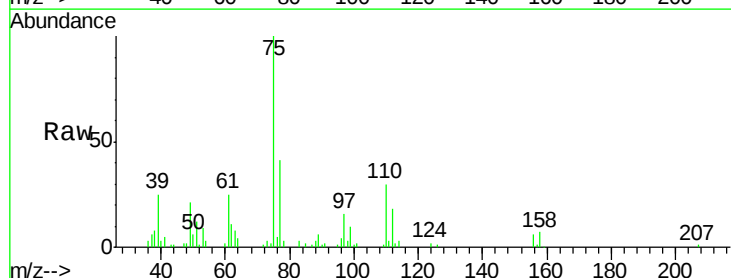
Acq: 20 Jul 2020 15:38

Tgt Ion: 75 Resp: 74973

Ion Ratio Lower Upper

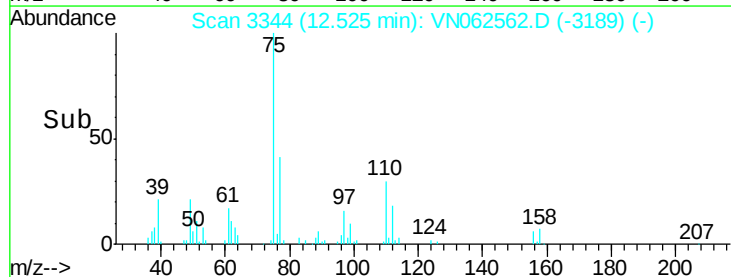
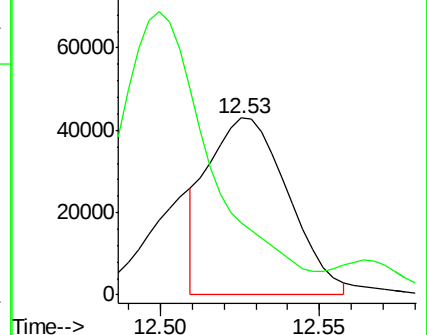
75 100

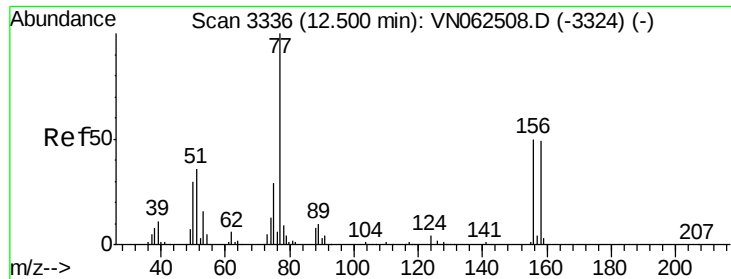
77 189.2 0.0 376.2



Abundance Ion 75.00 (74.70 to 75.70): VN062562.D (-3189) (-)

Ion 77.00 (76.70 to 77.70): VN062562.D (-3189) (-)

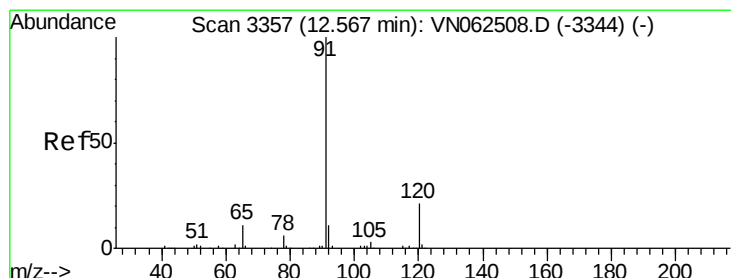
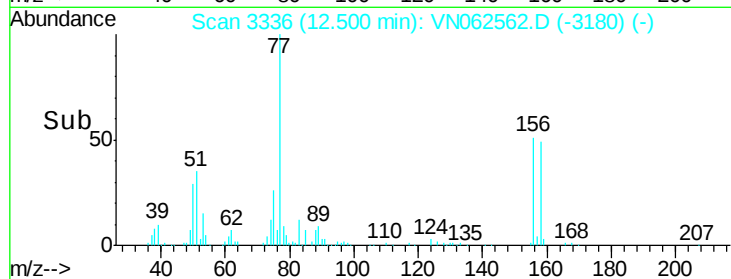
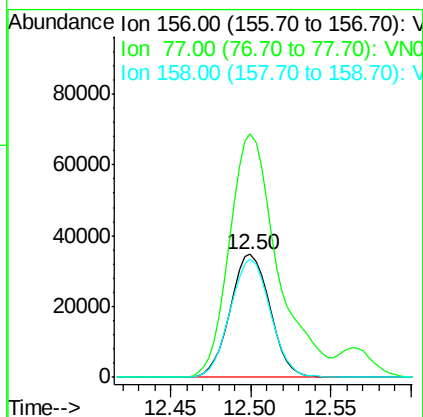
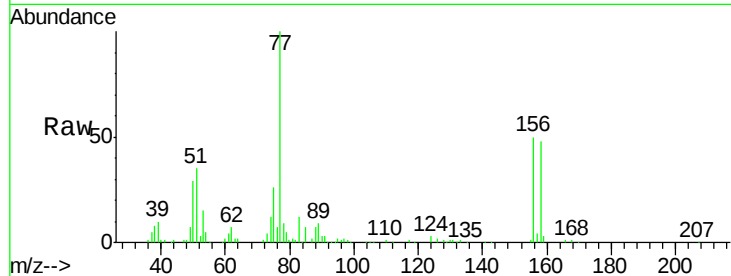




#73
Bromobenzene
Concen: 20.081 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

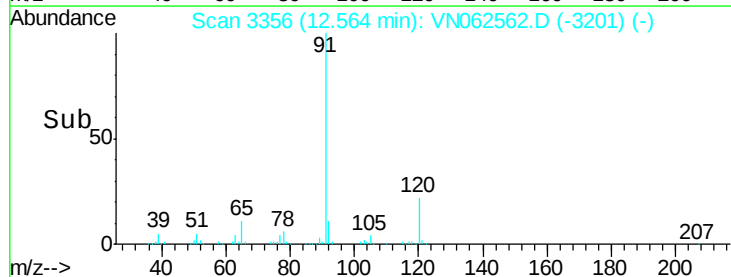
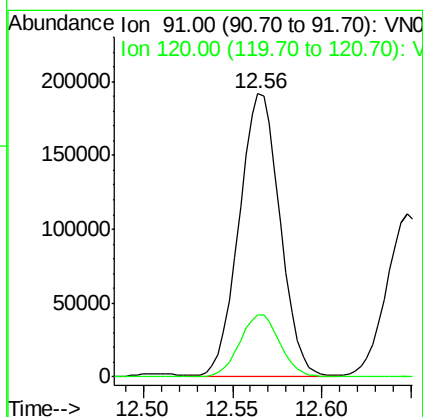
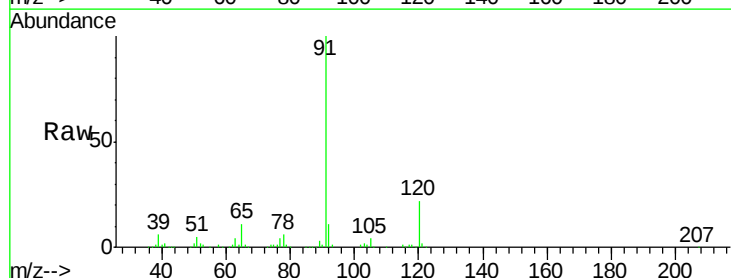
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

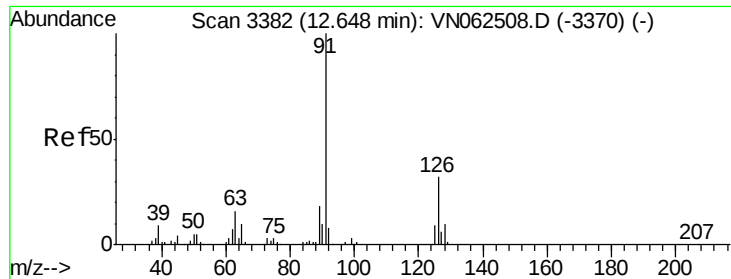
Tot Ion:156 Resp: 59069
Ion Ratio Lower Upper
156 100
77 240.2 0.0 485.0
158 96.7 0.0 192.6



#74
n-propylbenzene
Concen: 20.397 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 91 Resp: 307943
Ion Ratio Lower Upper
91 100
120 21.6 0.0 42.8





#75

2-Chlorotoluene

Concen: 20.217 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

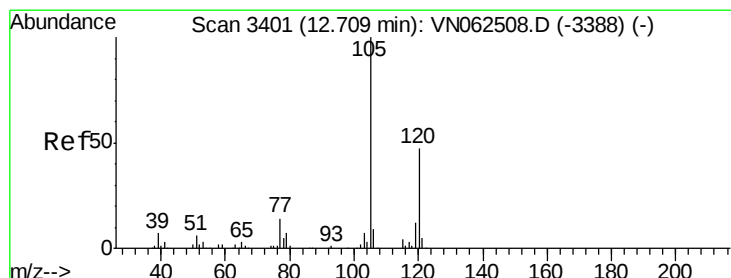
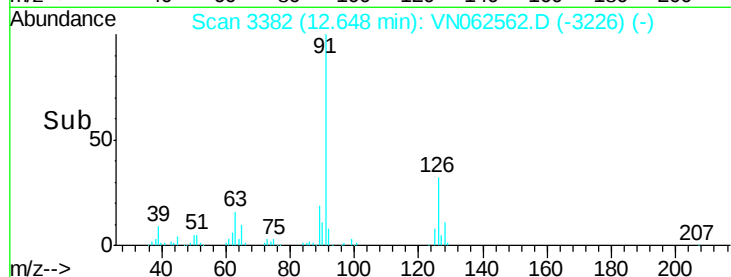
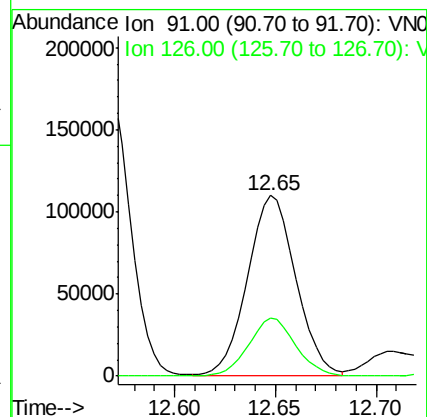
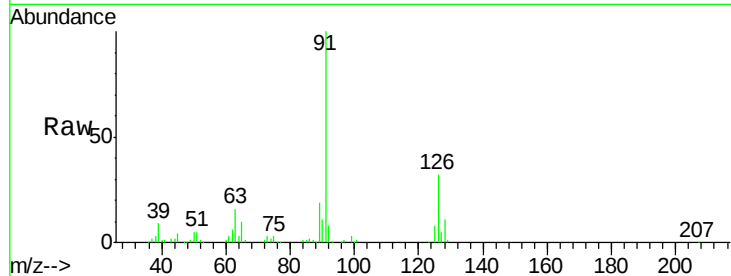
VSTDCCC020EC

Tot Ion: 91 Resp: 183773

Ion Ratio Lower Upper

91 100

126 31.3 0.0 62.2



#76

1,3,5-Trimethylbenzene

Concen: 20.000 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062562.D

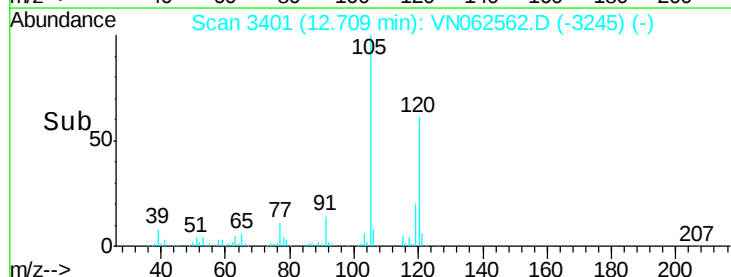
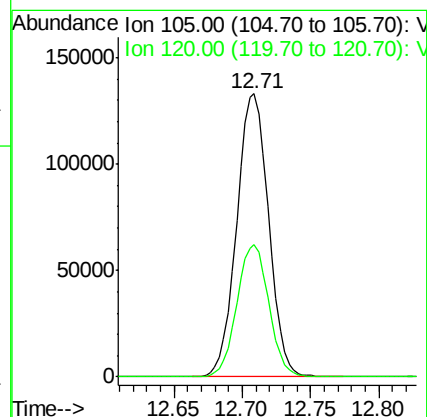
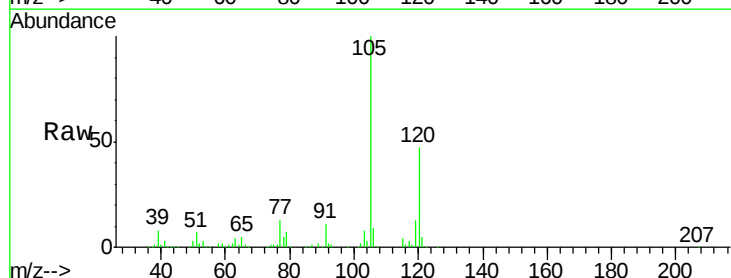
Acq: 20 Jul 2020 15:38

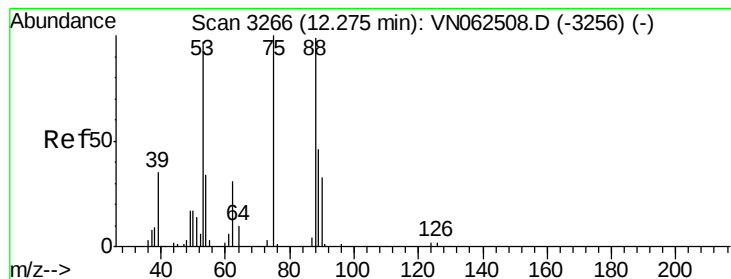
Tgt Ion: 105 Resp: 216442

Ion Ratio Lower Upper

105 100

120 46.7 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 17.344 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

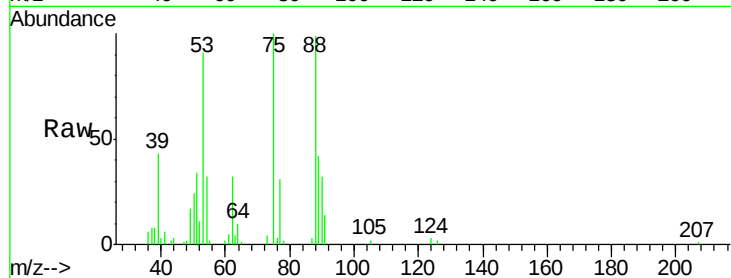
Tot Ion: 75 Resp: 25901

Ion Ratio Lower Upper

75 100

53 91.6 48.3 144.8

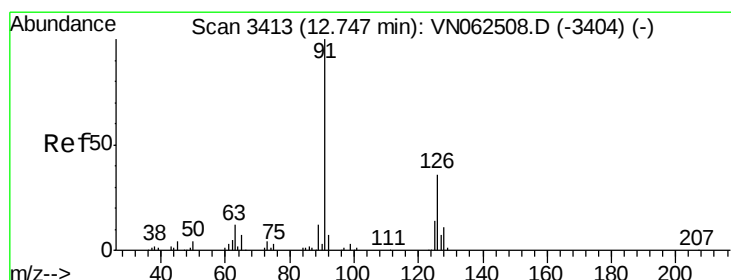
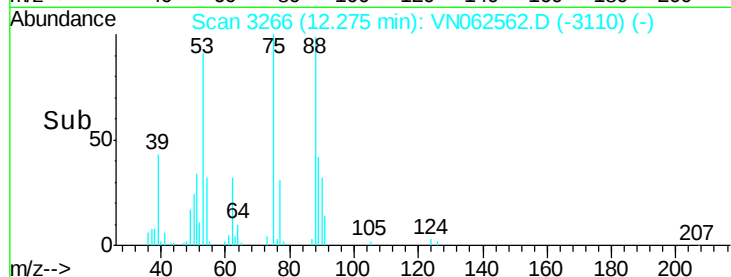
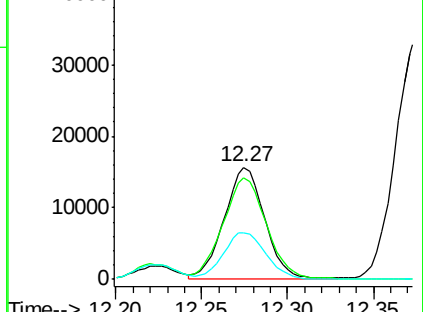
89 42.3 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.479 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062562.D

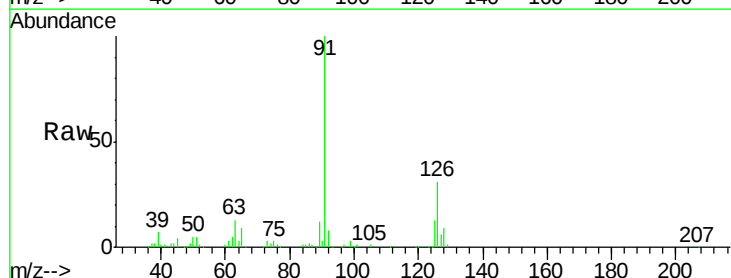
Acq: 20 Jul 2020 15:38

Tgt Ion: 91 Resp: 189946

Ion Ratio Lower Upper

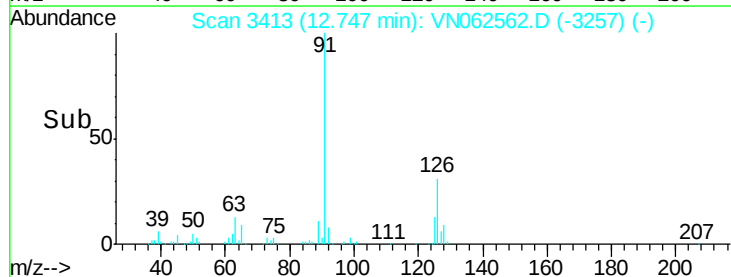
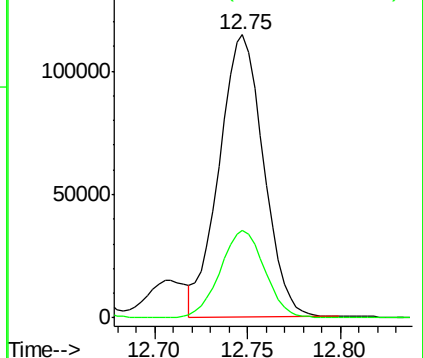
91 100

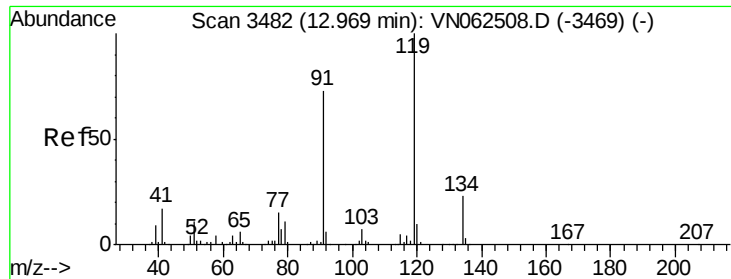
126 31.3 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

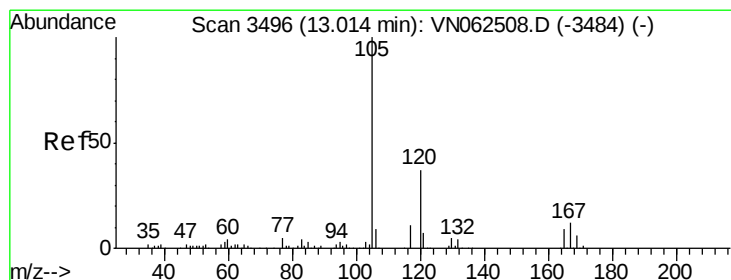
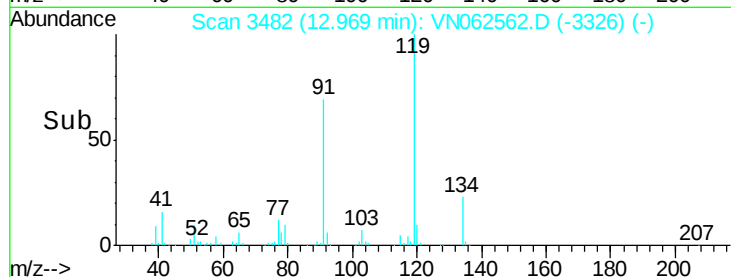
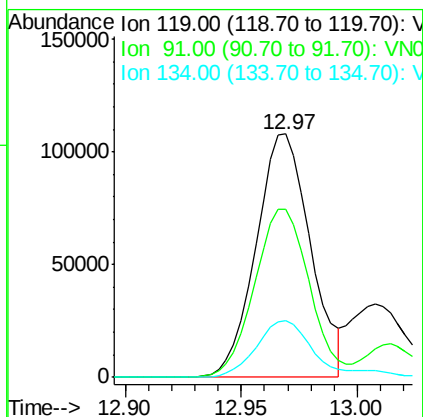
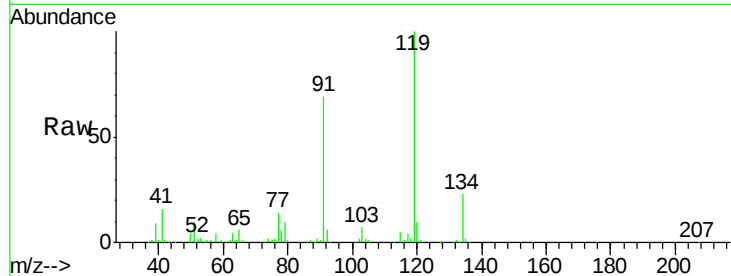




#79
tert-butylbenzene
Concen: 19.621 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

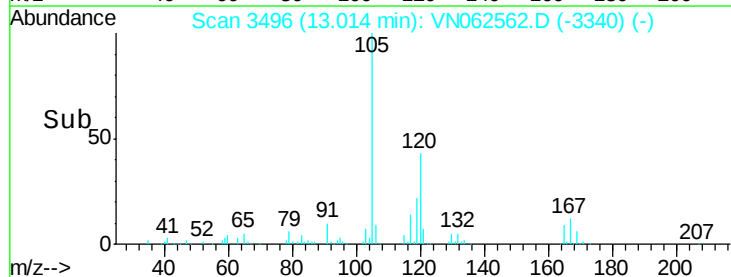
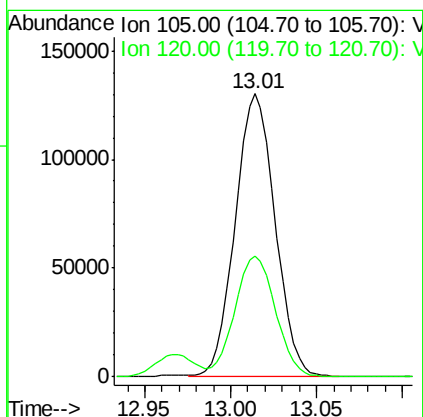
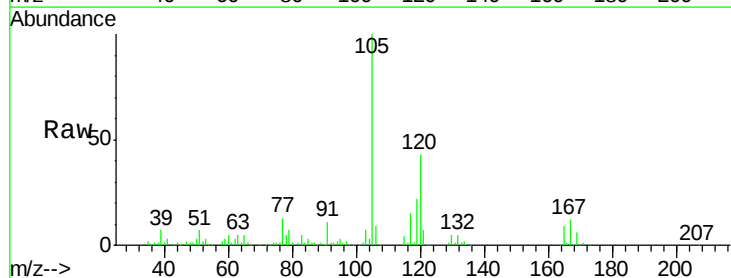
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

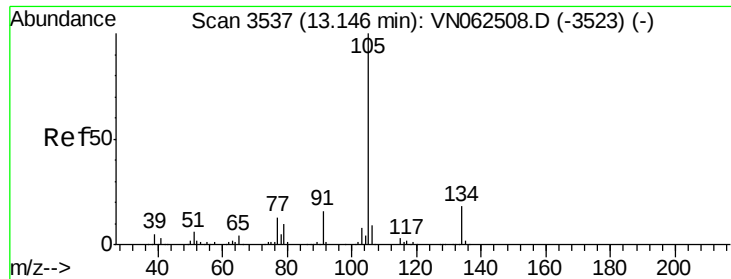
Tot Ion:119 Resp: 175830
Ion Ratio Lower Upper
119 100
91 69.4 0.0 139.8
134 23.2 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 19.576 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion:105 Resp: 208360
Ion Ratio Lower Upper
105 100
120 43.5 0.0 86.6

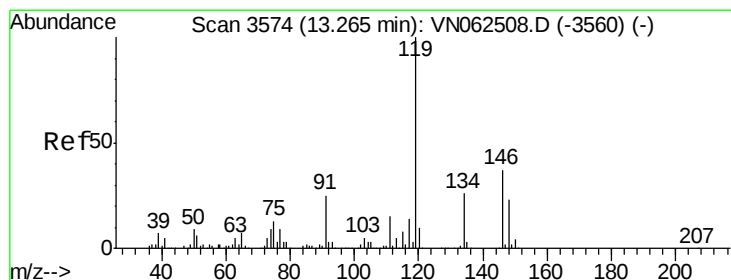
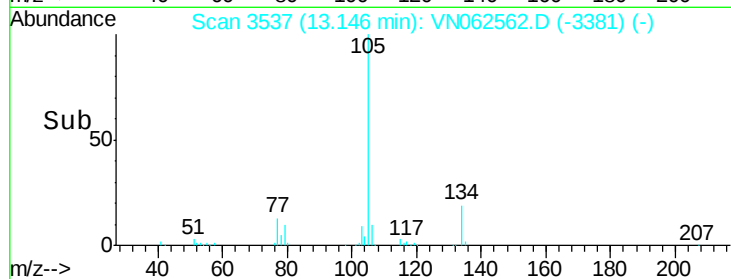
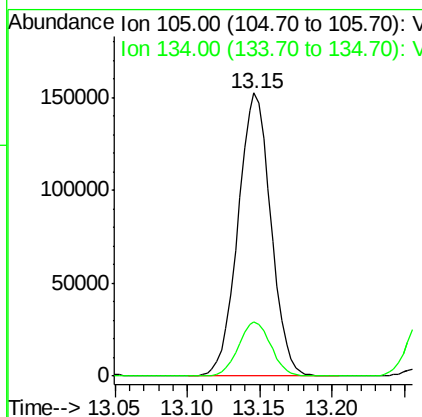
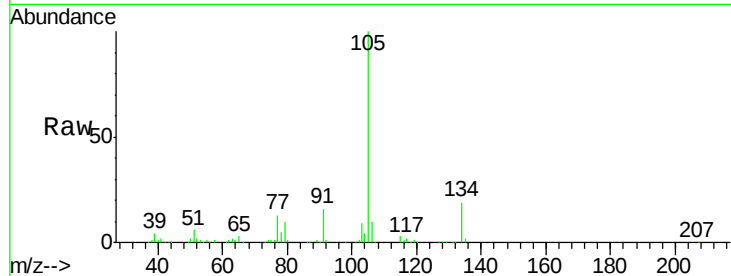




#81
 sec-Butylbenzene
 Concen: 19.900 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

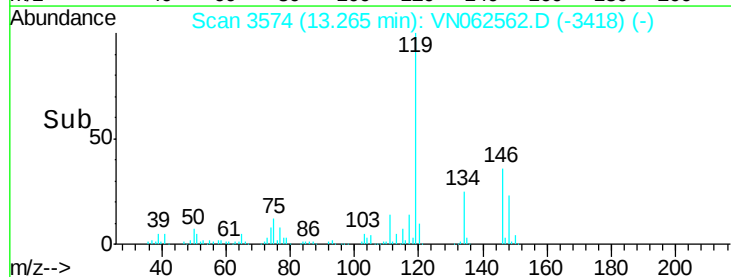
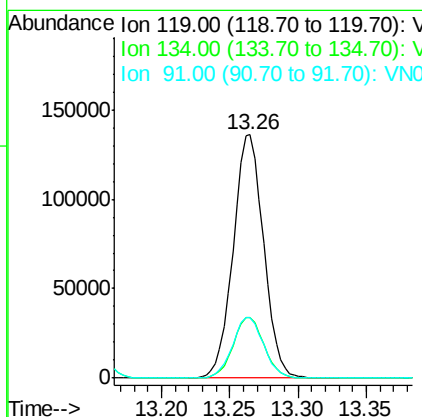
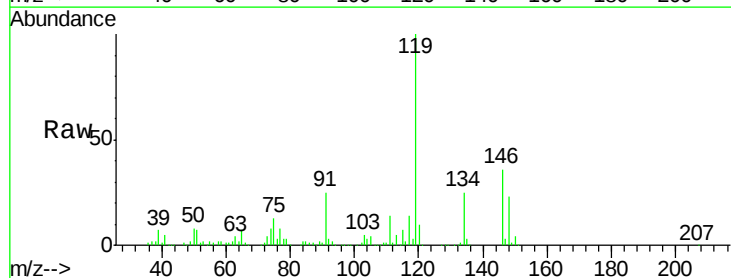
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

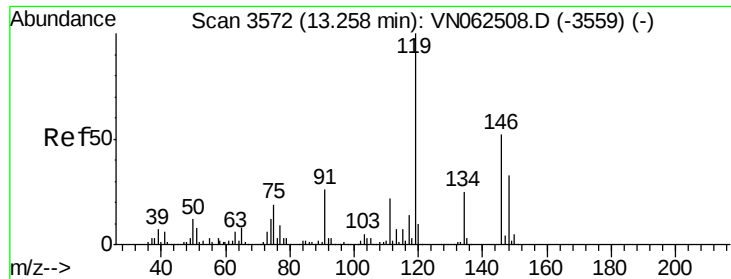
Tot Ion:105 Resp: 239481
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 37.2



#82
 p-Isopropyltoluene
 Concen: 19.853 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion:119 Resp: 210839
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 50.8
 91 25.5 0.0 51.2

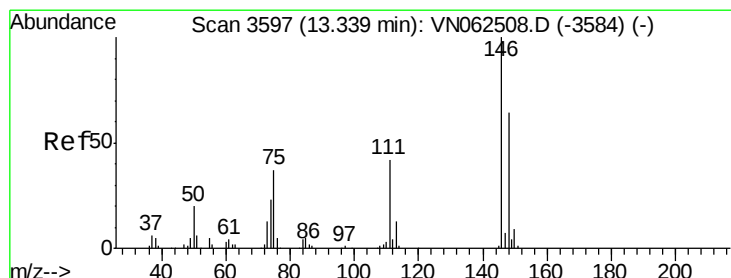
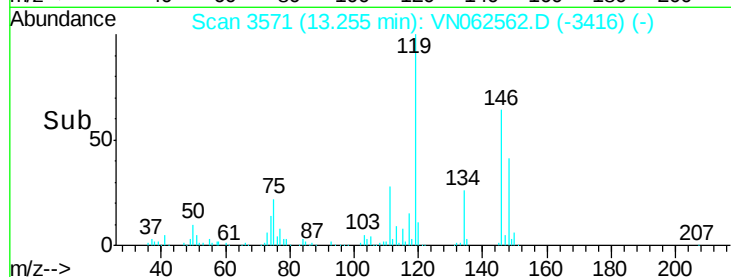
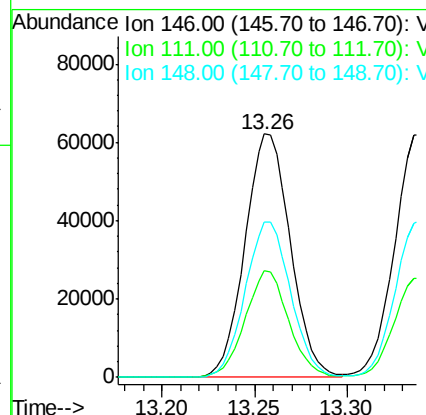
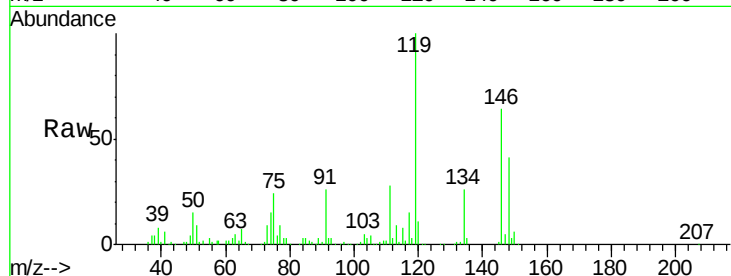




#83
 1,3-Dichlorobenzene
 Concen: 20.773 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

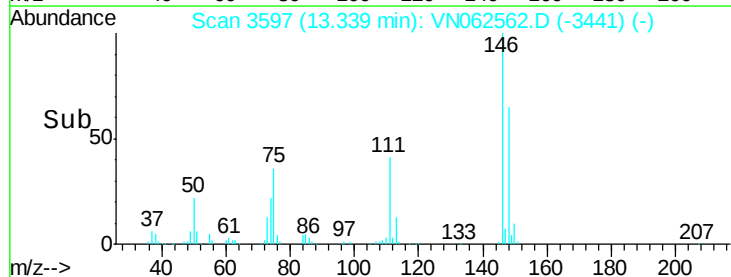
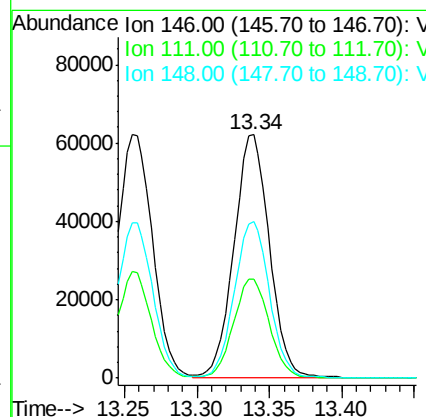
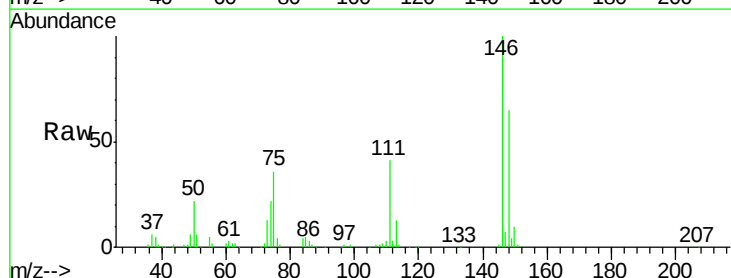
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

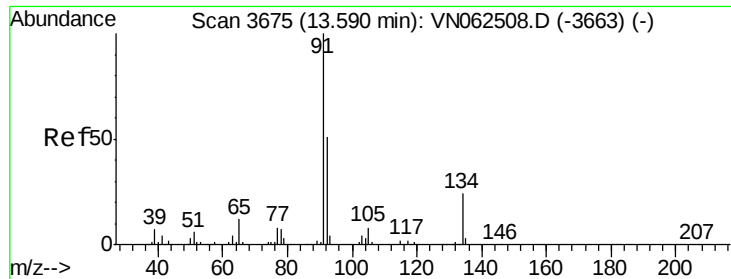
Tot Ion:146 Resp: 106118
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.0 63.0
 148 63.9 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 20.772 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion:146 Resp: 104704
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.4 64.2
 148 64.3 32.4 97.2

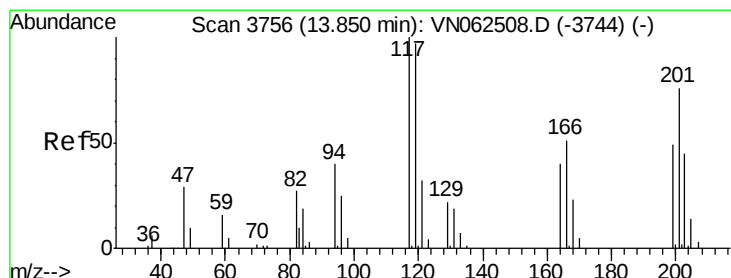
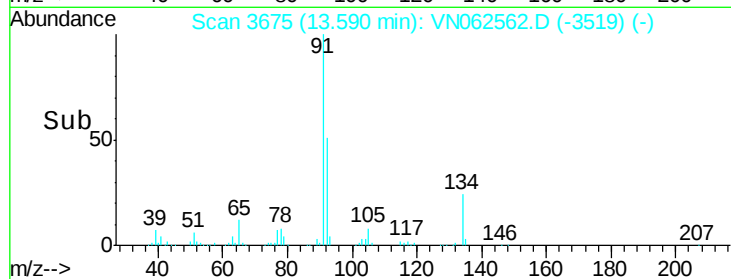
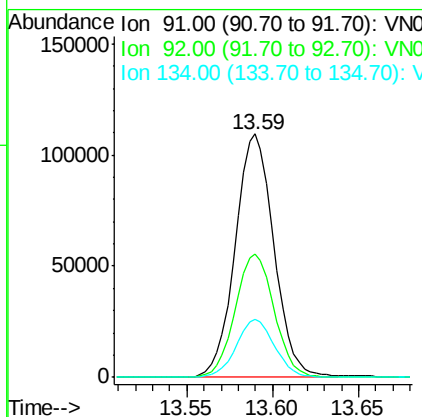
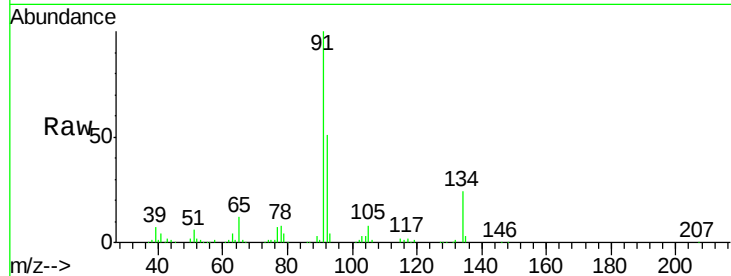




#85
n-Butylbenzene
Concen: 18.845 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

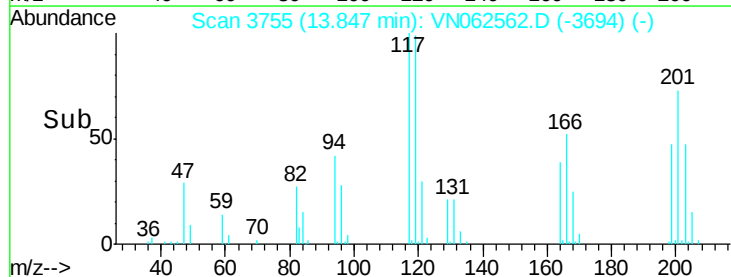
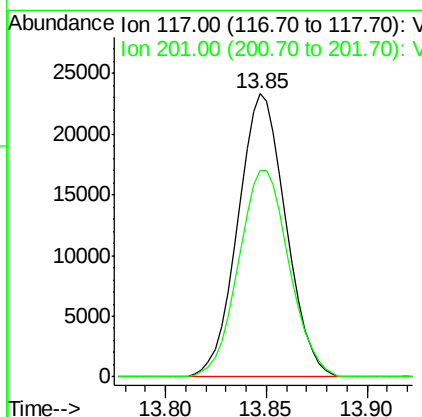
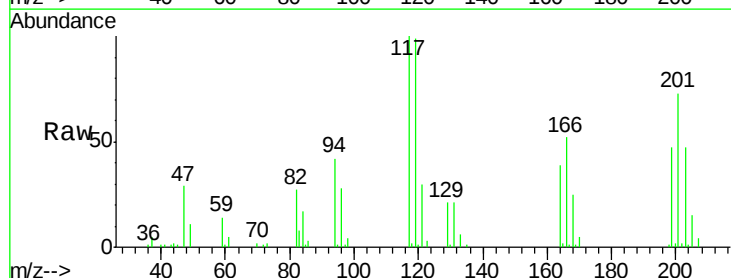
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

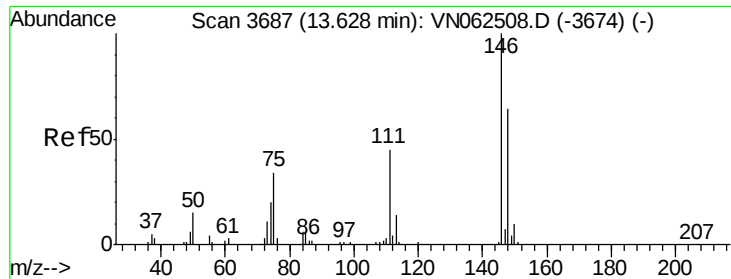
Tot Ion: 91 Resp: 171677
Ion Ratio Lower Upper
91 100
92 51.1 0.0 102.4
134 23.5 0.0 46.6



#86
Hexachloroethane
Concen: 18.970 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062562.D
Acq: 20 Jul 2020 15:38

Tgt Ion: 117 Resp: 38876
Ion Ratio Lower Upper
117 100
201 76.8 37.4 112.2





#87

1,2-Dichlorobenzene

Concen: 20.718 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

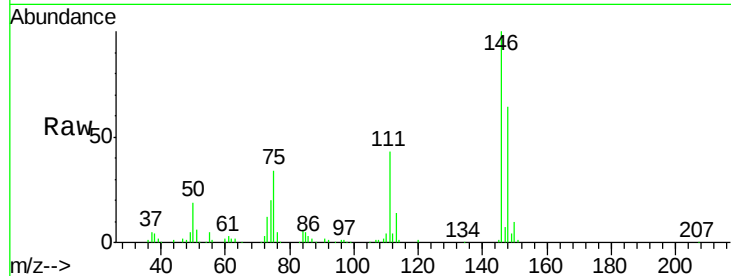
Tot Ion:146 Resp: 101771

Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.0

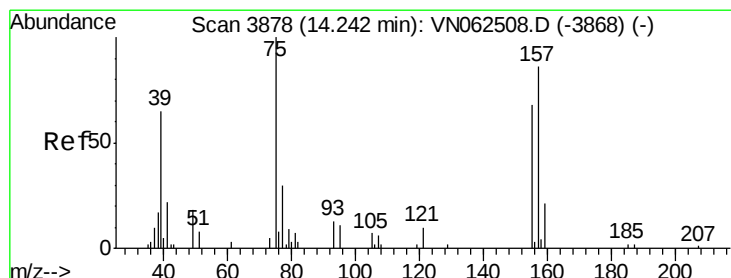
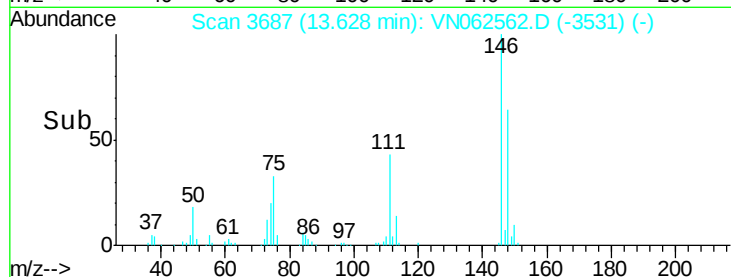
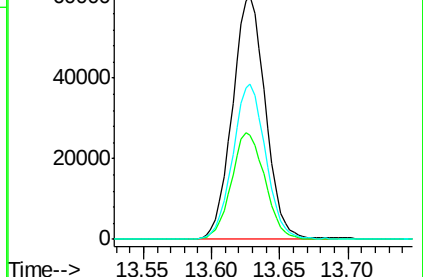
148 63.4 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.554 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

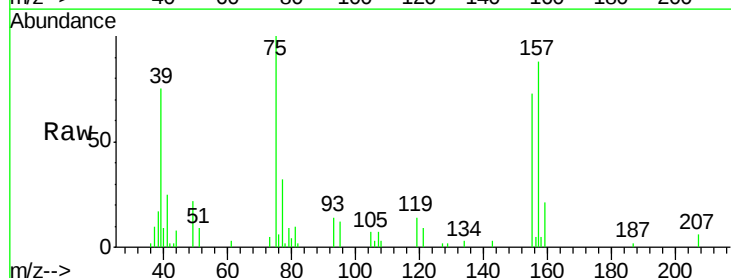
Tgt Ion: 75 Resp: 14384

Ion Ratio Lower Upper

75 100

155 71.3 55.7 83.5

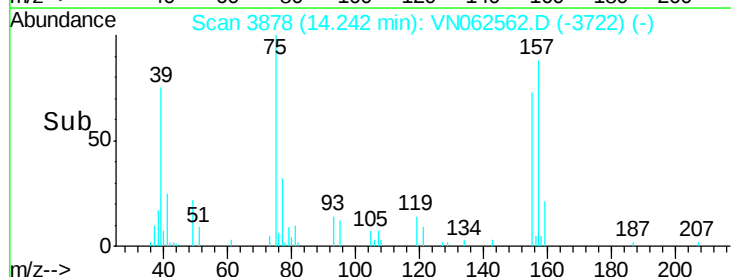
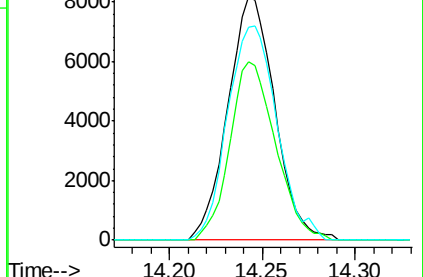
157 92.4 71.0 106.6

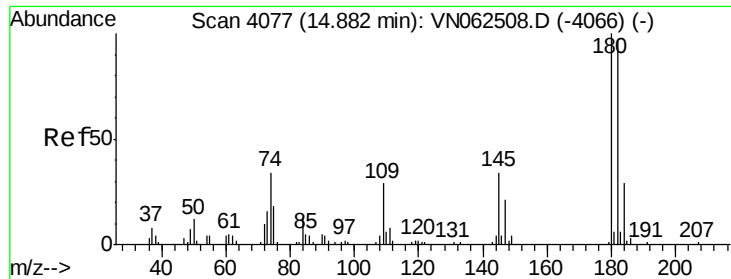


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

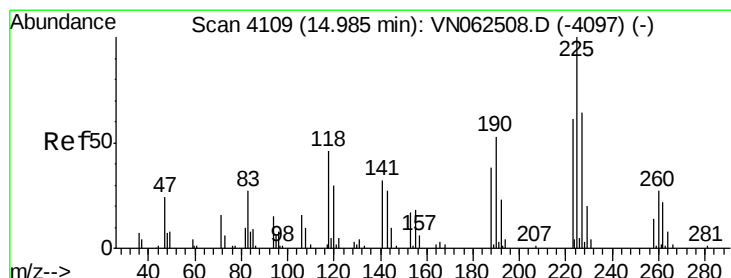
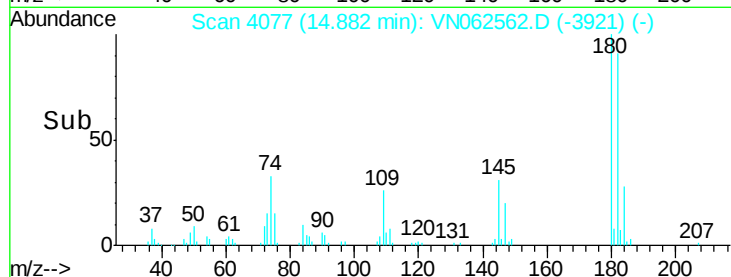
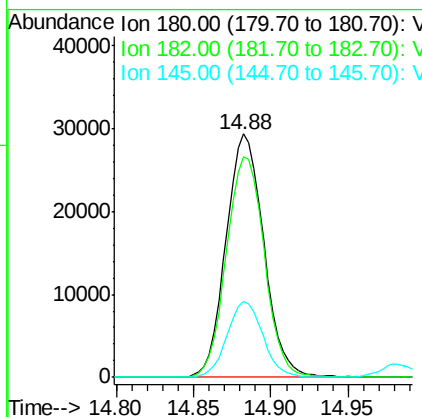
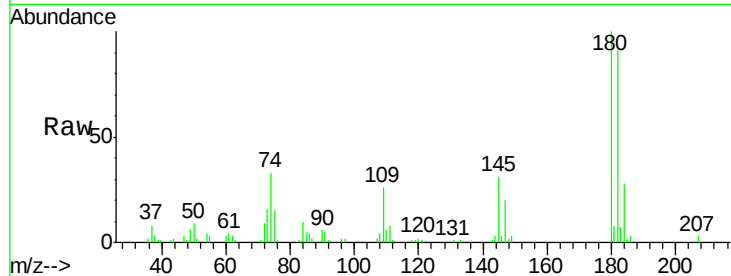




#89
 1,2,4-Trichlorobenzene
 Concen: 20.342 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

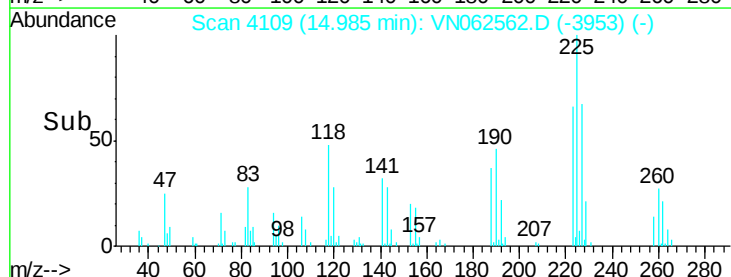
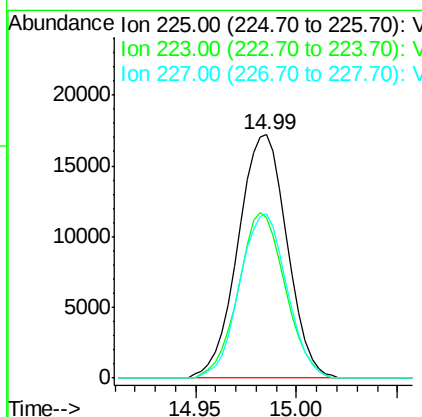
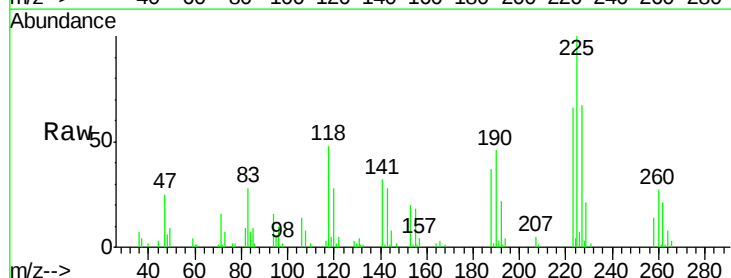
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

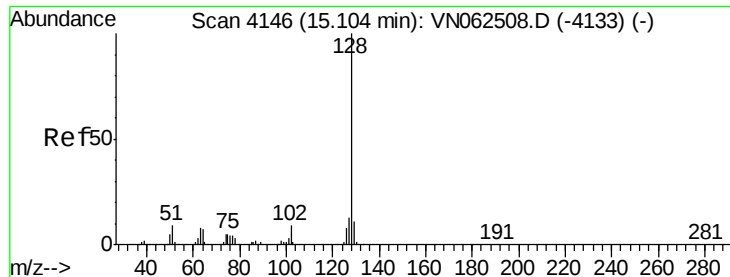
Tot Ion:180 Resp: 49745
 Ion Ratio Lower Upper
 180 100
 182 91.0 77.5 116.3
 145 29.5 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 21.610 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062562.D
 Acq: 20 Jul 2020 15:38

Tgt Ion:225 Resp: 29310
 Ion Ratio Lower Upper
 225 100
 223 65.0 0.0 120.4
 227 65.0 0.0 129.6





#91

Naphthalene

Concen: 17.047 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

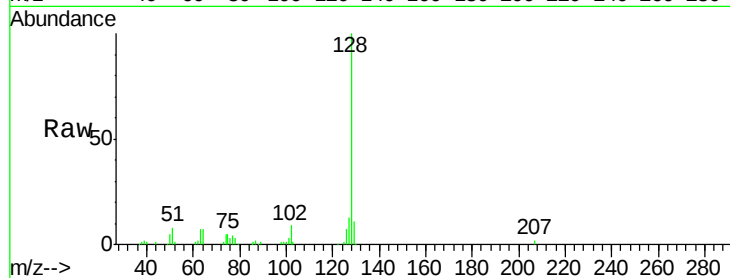
Tot Ion:128 Resp: 113029

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

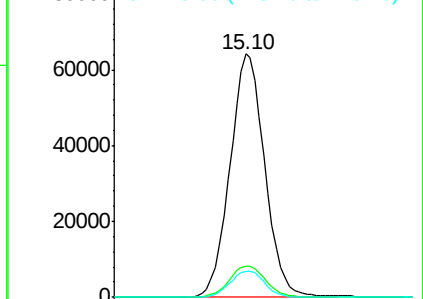
129 10.8 8.8 13.2



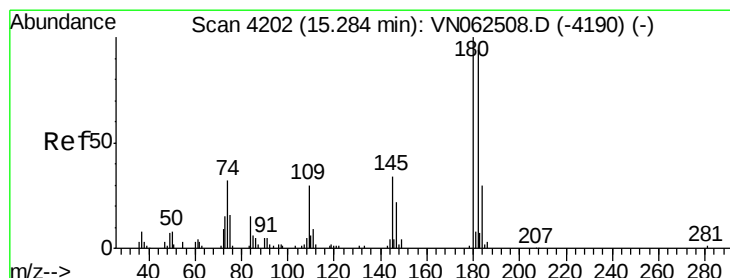
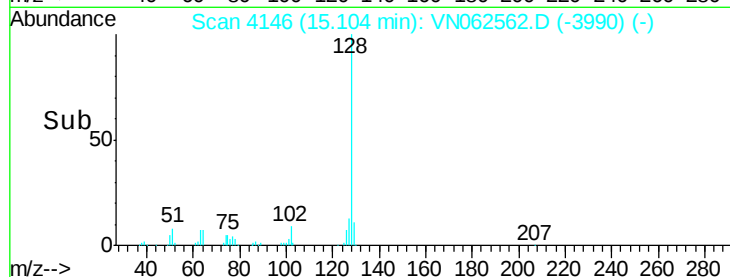
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 20.048 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062562.D

Acq: 20 Jul 2020 15:38

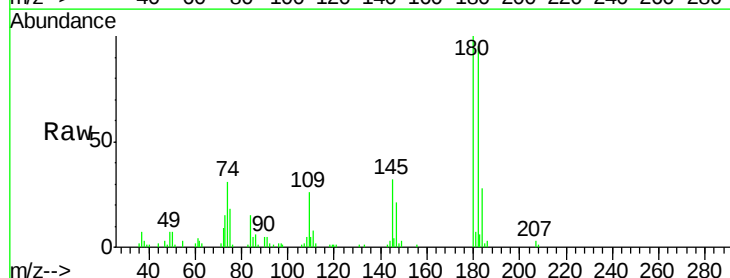
Tgt Ion:180 Resp: 49412

Ion Ratio Lower Upper

180 100

182 93.1 0.0 187.2

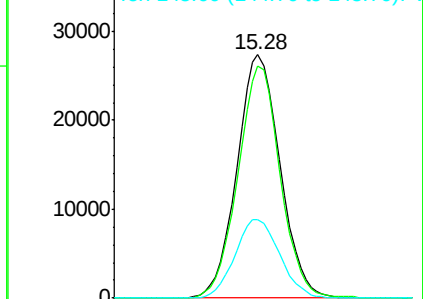
145 33.5 0.0 67.8



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



Time-->

