

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062512.D
 Acq On : 13 Jul 2020 12:48
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

Quant Time: Jul 14 00:59:24 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	48965	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	275983	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	249672	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	124156	29.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.40%
60) 4-Bromofluorobenzene	12.37	95	126983	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	10.06	98	357321	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	60320	20.872	ug/l 97
3) Chloromethane	2.04	50	86838	20.809	ug/l 100
4) Vinyl Chloride	2.16	62	76371	20.936	ug/l 98
5) Bromomethane	2.53	94	37203	20.558	ug/l 94
6) Chloroethane	2.67	64	37593	20.934	ug/l 99
7) Trichlorofluoromethane	2.98	101	91021	21.290	ug/l 98
8) Diethyl Ether	3.37	74	42368	20.614	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56867	20.575	ug/l 99
10) 1,1-Dichloroethene	3.70	96	57489	20.389	ug/l 98
11) Methyl Iodide	3.91	142	64553	18.695	ug/l 99
12) Methyl Acetate	4.28	43	76241	20.161	ug/l 98
13) Acrolein	3.57	56	55059	97.450	ug/l 98
14) Acrylonitrile	4.93	53	177567	100.963	ug/l 98
15) Acetone	3.78	58	52652	97.523	ug/l 94
16) Carbon Disulfide	4.01	76	187347	20.389	ug/l 99
17) Allyl chloride	4.28	41	125269	20.890	ug/l 98
18) Methylene Chloride	4.50	84	70563	20.338	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	62857	20.141	ug/l 93
20) Diisopropyl ether	5.90	45	253667	20.577	ug/l 98
21) 1,1-Dichloroethane	5.80	63	134545	20.644	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	72452	20.586	ug/l 100
23) tert-Butyl Alcohol	4.73	59	57809	98.218	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	211177	20.315	ug/l 99
25) Chloroform	7.33	83	124006	20.748	ug/l 97
26) Cyclohexane	7.61	56	118510	20.630	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	97600	20.849	ug/l 98
30) 2-Butanone	6.79	43	247406	99.652	ug/l 98
31) 2,2-Dichloropropane	6.77	77	107028	20.276	ug/l # 70
32) 1,1,1-Trichloroethane	7.53	97	102620	20.396	ug/l 99
33) Carbon Tetrachloride	7.73	117	89078	20.423	ug/l 99
34) Benzene	8.00	78	287682	20.685	ug/l 99
35) Methacrylonitrile	7.12	41	46576	21.357	ug/l 99
36) 1,2-Dichloroethane	8.09	62	100319	20.069	ug/l 99
37) Trichloroethene	8.80	130	63979	20.480	ug/l 98
38) Methylcyclohexane	9.05	83	106953	20.366	ug/l 99
39) 1,2-Dichloropropane	9.08	63	81015	20.447	ug/l 98
40) Dibromomethane	9.17	93	46919	20.547	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	96634	19.952	ug/l	100
42) Vinyl Acetate	5.84	43	1064467	103.178	ug/l	100
43) Ethyl Acetate	6.88	43	98168	19.668	ug/l #	93
44) Isopropyl Acetate	8.13	43	165403	19.751	ug/l	96
45) 1,4-Dioxane	9.17	88	22808	398.135	ug/l	95
46) Methyl methacrylate	9.17	41	79998	20.135	ug/l	98
47) n-amyl Acetate	12.04	43	140983	19.971	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	112886	19.983	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	122768	20.132	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	65985	20.615	ug/l	98
51) Ethyl methacrylate	10.40	69	109473	20.314	ug/l	97
52) 1,3-Dichloropropane	10.68	76	120311	20.480	ug/l	100
53) Dibromochloromethane	10.87	129	70601	20.245	ug/l	100
54) 1,2-Dibromoethane	10.98	107	65603	20.024	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	150876	87.657	ug/l	99
56) Bromoform	12.10	173	47066	19.760	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	507416	104.312	ug/l	99
59) 2-Hexanone	10.72	43	367337	102.966	ug/l	100
61) Tetrachloroethene	10.60	164	54148	21.178	ug/l	96
62) Toluene	10.12	91	297474	21.002	ug/l	99
64) Chlorobenzene	11.40	112	173960	20.901	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	63509	20.615	ug/l	99
66) Ethyl Benzene	11.48	91	324658	20.699	ug/l	98
67) m/p-Xylenes	11.59	106	235871	41.431	ug/l	99
68) o-Xylene	11.92	106	112711	20.630	ug/l	99
69) Styrene	11.94	104	188214	20.297	ug/l	99
70) Isopropylbenzene	12.22	105	306981	20.931	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	99764	21.047	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	130479	28.299	ug/l	59
73) Bromobenzene	12.50	156	70178	20.661	ug/l	98
74) n-propylbenzene	12.56	91	357456	20.504	ug/l	100
75) 2-Chlorotoluene	12.65	91	215544	20.535	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	253241	20.265	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	33941	19.683	ug/l	95
78) 4-Chlorotoluene	12.75	91	216085	20.175	ug/l	100
79) tert-butylbenzene	12.97	119	211337	20.423	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	243868	19.842	ug/l	98
81) sec-Butylbenzene	13.15	105	281438	20.252	ug/l	100
82) p-Isopropyltoluene	13.27	119	244262	19.918	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	119253	20.216	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	114395	19.653	ug/l	99
85) n-Butylbenzene	13.59	91	198854	18.903	ug/l	99
86) Hexachloroethane	13.85	117	47018	19.869	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	116029	20.455	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17733	19.809	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	52739	18.676	ug/l	99
90) Hexachlorobutadiene	14.98	225	32709	20.884	ug/l	97
91) Naphthalene	15.10	128	148659	19.416	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	54635	19.197	ug/l	99

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

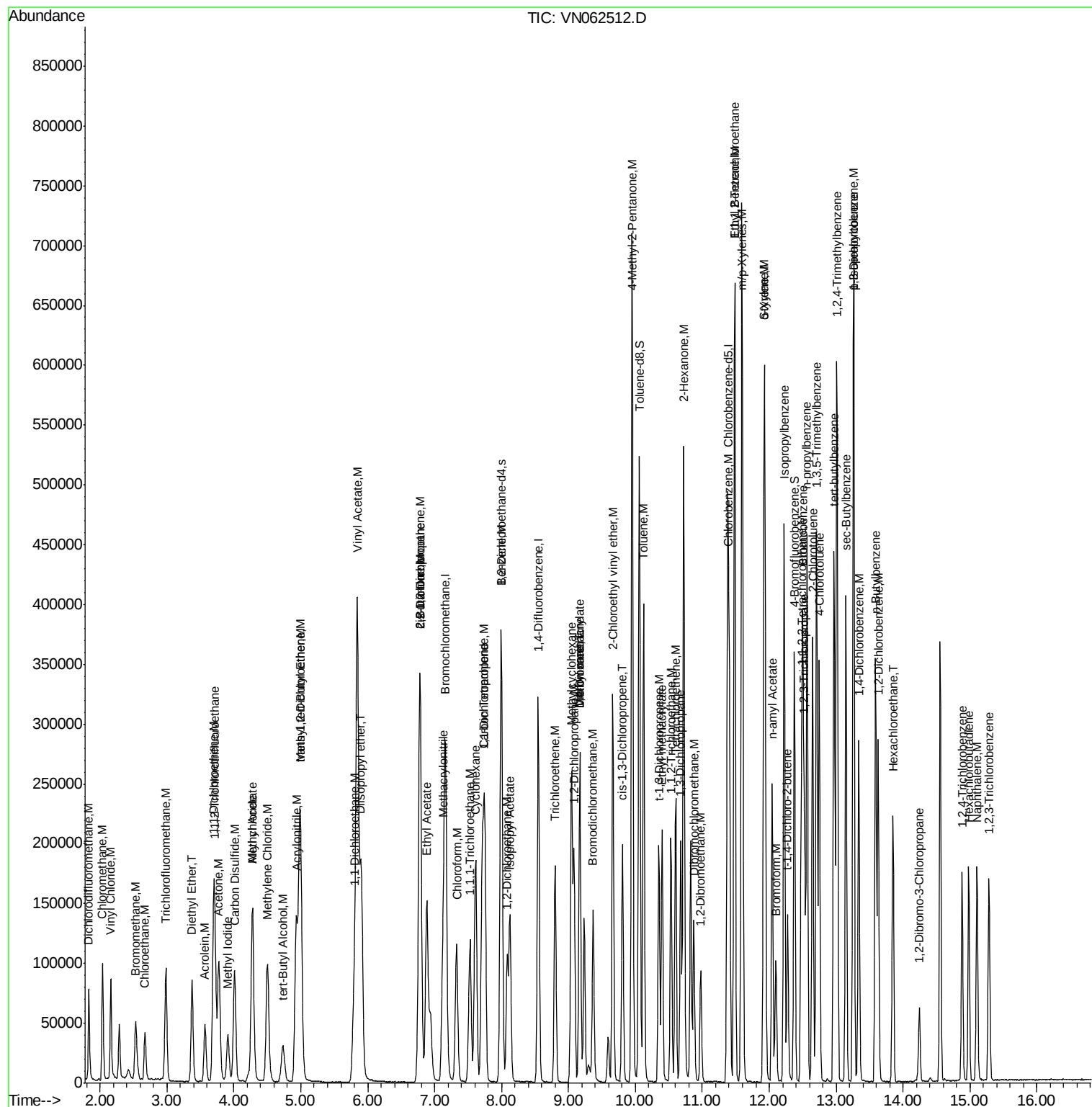
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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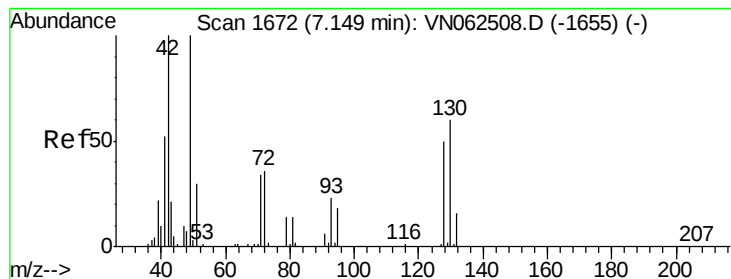
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062512.D
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Quant Time: Jul 14 00:59:24 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
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 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

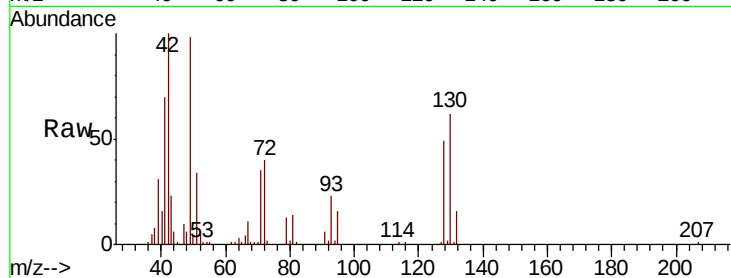
Tot Ion:128 Resp: 48965

Ion Ratio Lower Upper

128 100

49 207.6 0.0 525.0

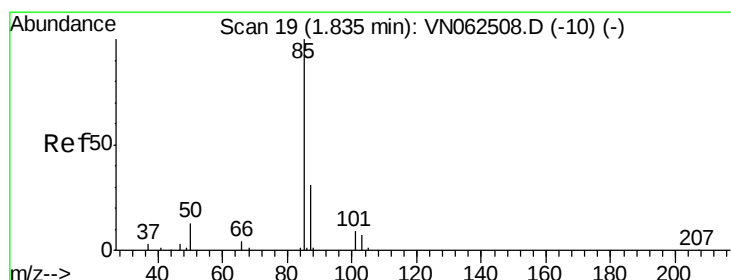
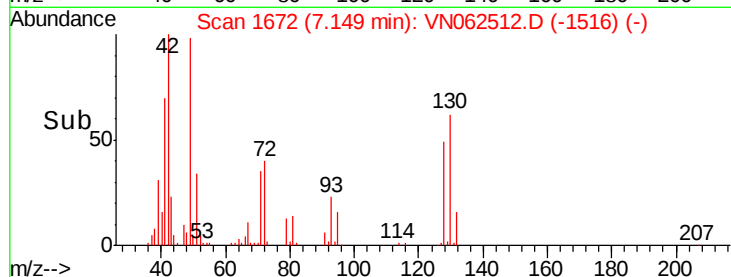
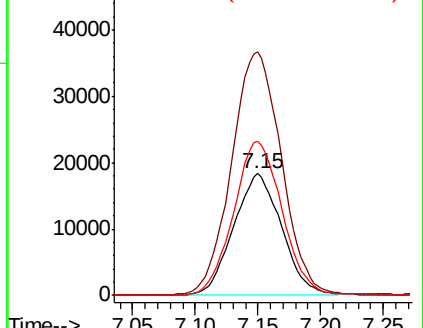
130 127.8 0.0 319.8



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: 20.872 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062512.D

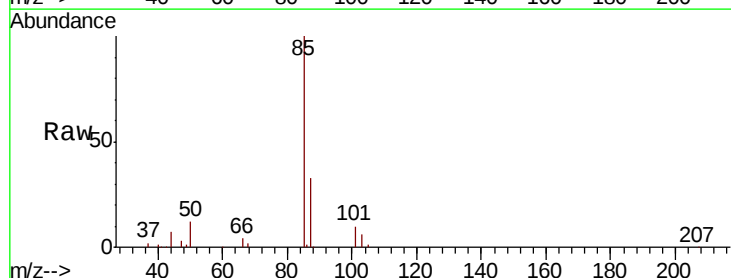
Acq: 13 Jul 2020 12:48

Tgt Ion: 85 Resp: 60320

Ion Ratio Lower Upper

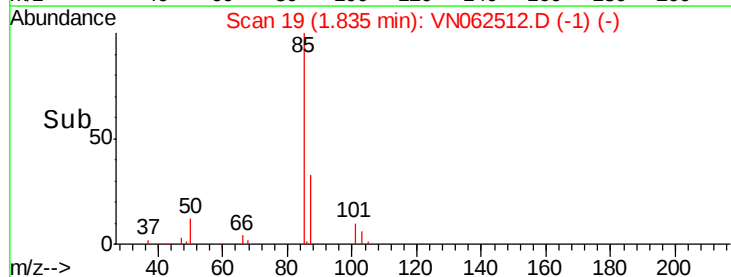
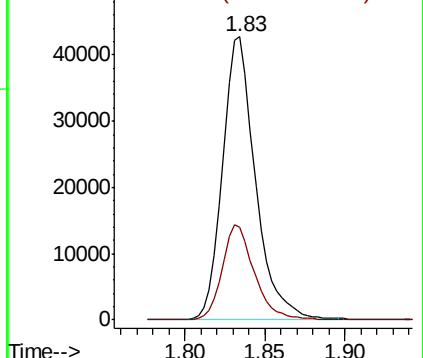
85 100

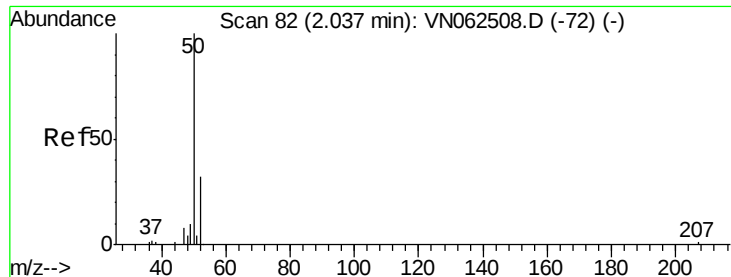
87 32.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.809 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

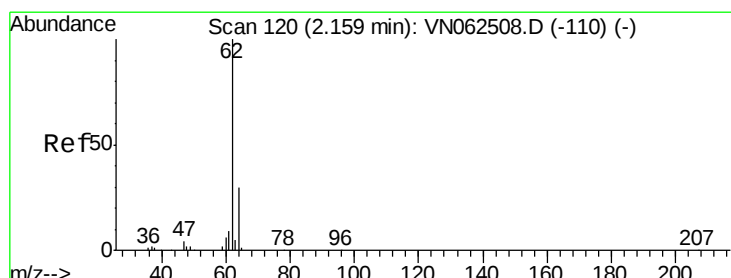
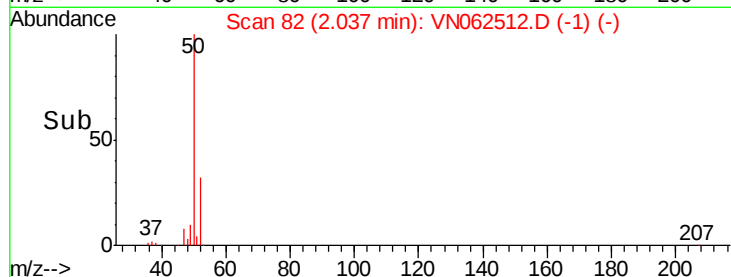
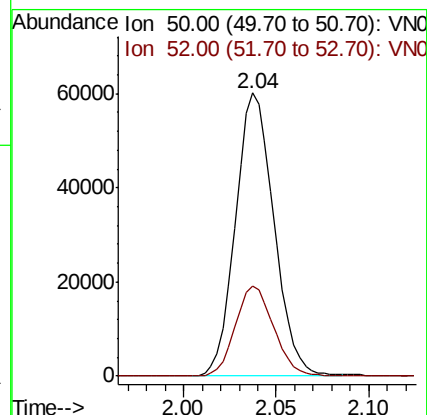
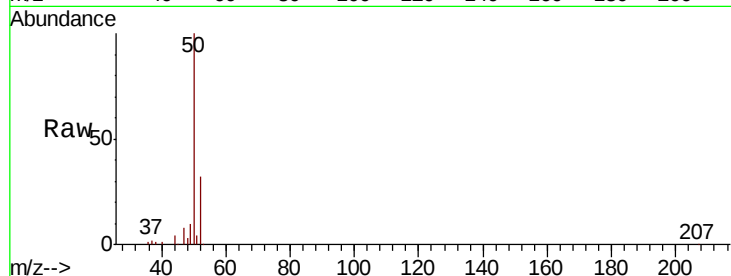
ICVVN071320

Tot Ion: 50 Resp: 86838

Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.2



#4

Vinyl Chloride

Concen: 20.936 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062512.D

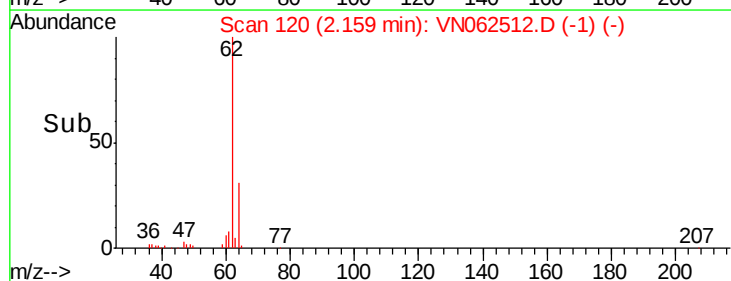
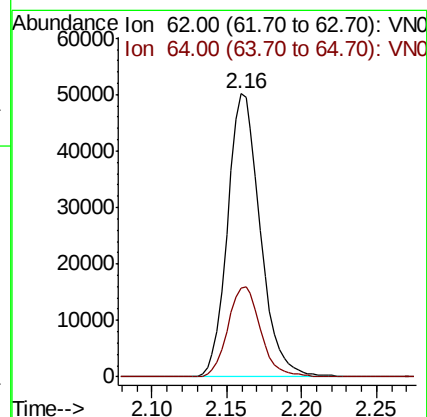
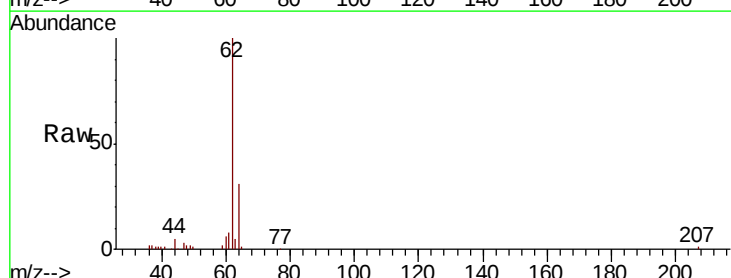
Acq: 13 Jul 2020 12:48

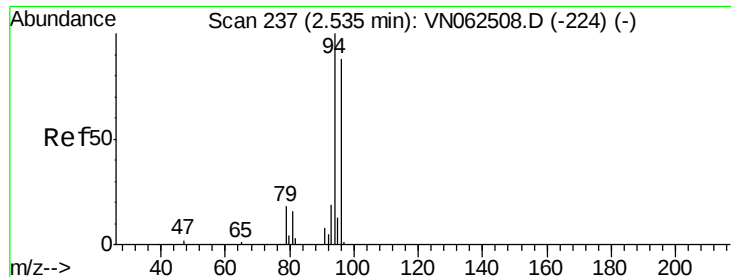
Tgt Ion: 62 Resp: 76371

Ion Ratio Lower Upper

62 100

64 31.3 24.3 36.5





#5

Bromomethane

Concen: 20.558 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

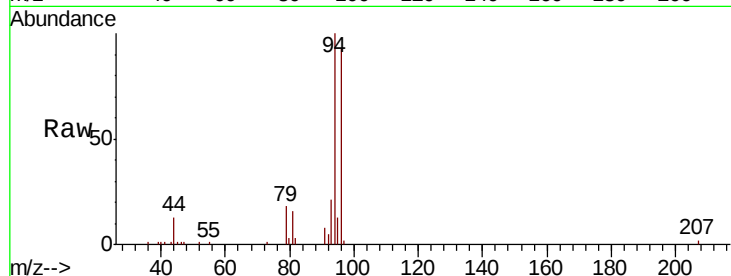
ICVVN071320

Tot Ion: 94 Resp: 37203

Ion Ratio Lower Upper

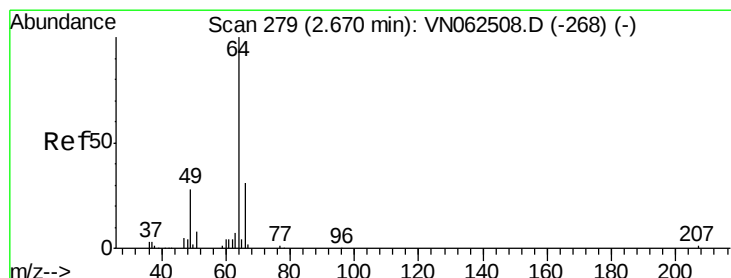
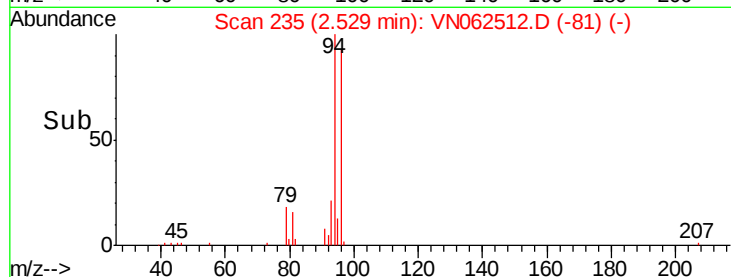
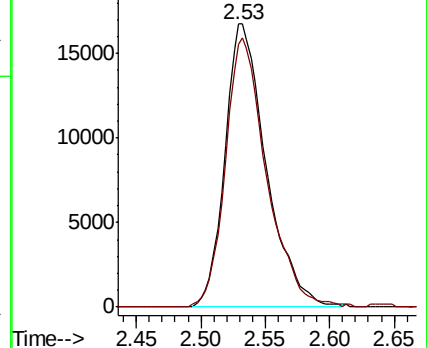
94 100

96 93.1 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.934 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN062512.D

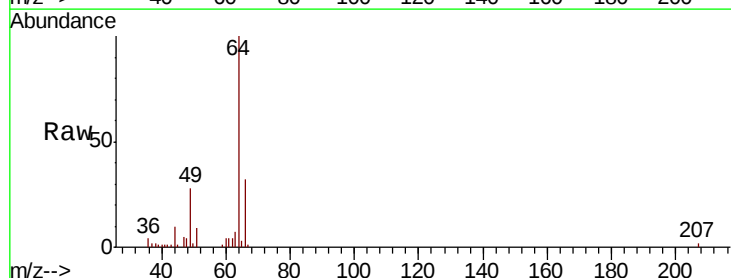
Acq: 13 Jul 2020 12:48

Tgt Ion: 64 Resp: 37593

Ion Ratio Lower Upper

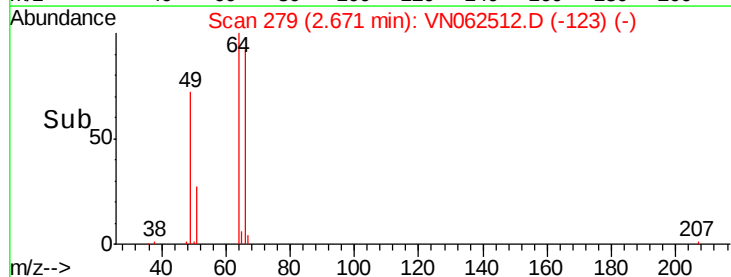
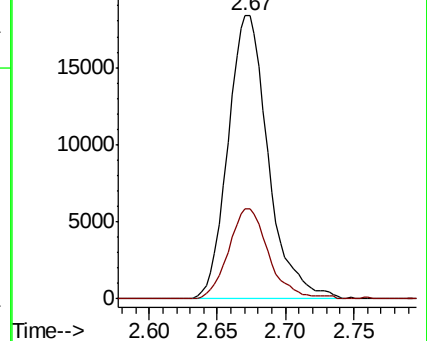
64 100

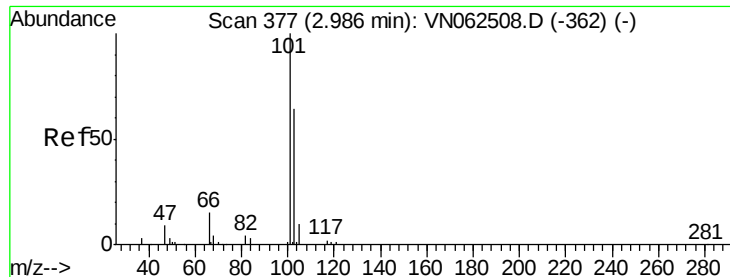
66 31.9 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



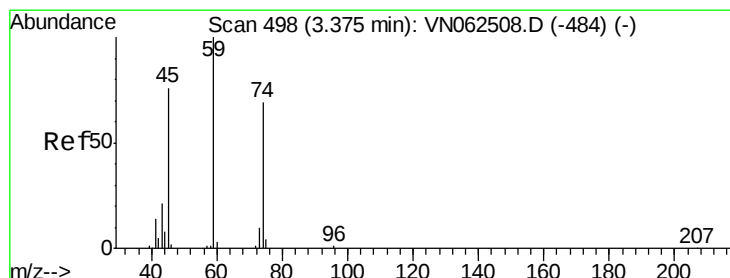
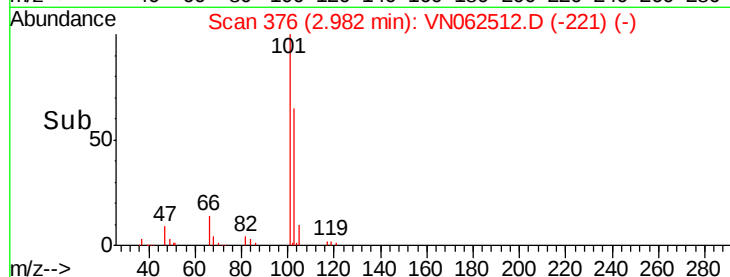
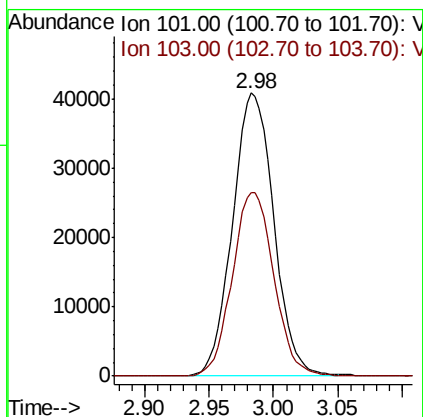
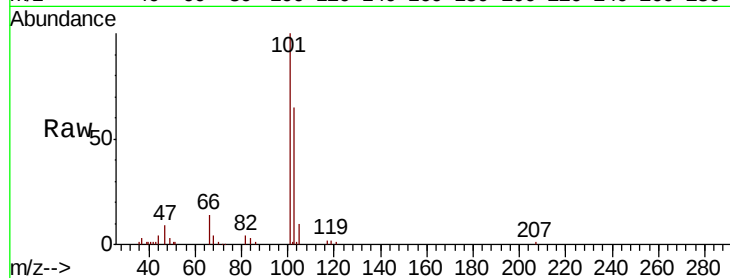


#7

Trichlorofluoromethane
Concen: 21.290 ug/l
RT: 2.98 min Scan# 376
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Instrument :
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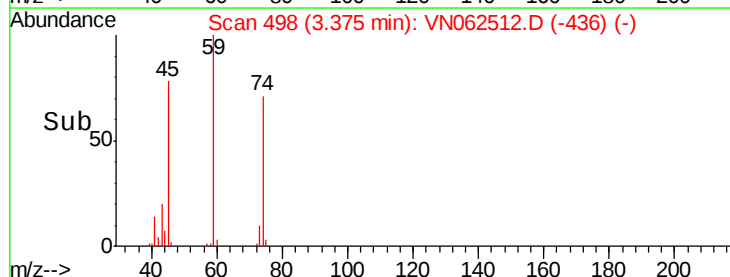
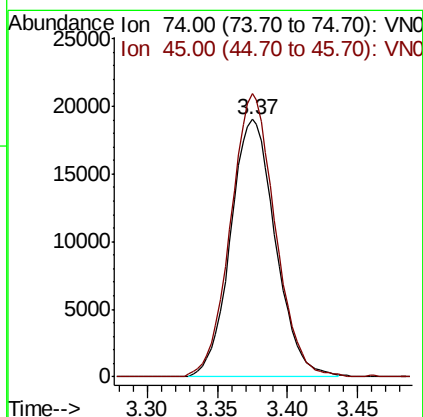
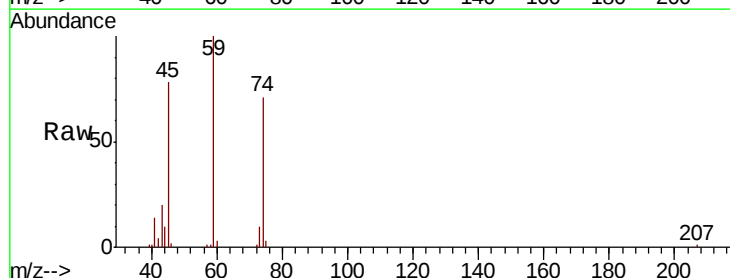
Tot Ion:101 Resp: 91021
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3

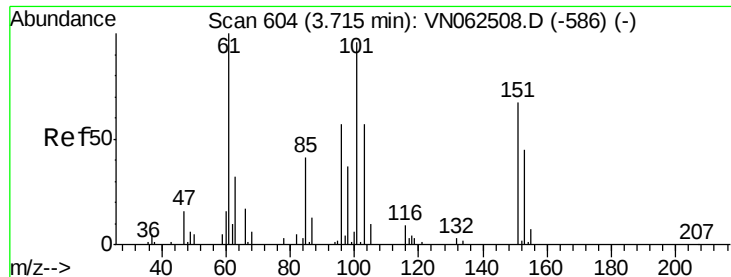


#8

Diethyl Ether
Concen: 20.614 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 74 Resp: 42368
Ion Ratio Lower Upper
74 100
45 109.1 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.575 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

ICVVN071320

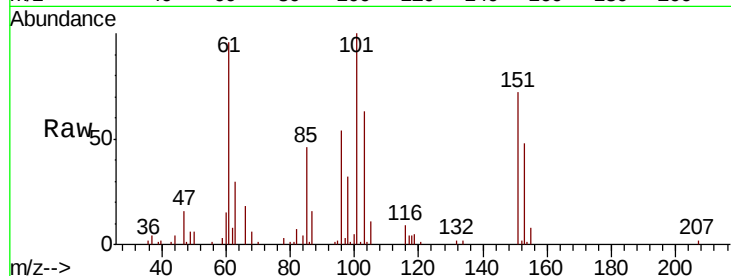
Tot Ion:101 Resp: 56867

Ion Ratio Lower Upper

101 100

85 44.8 0.0 90.4

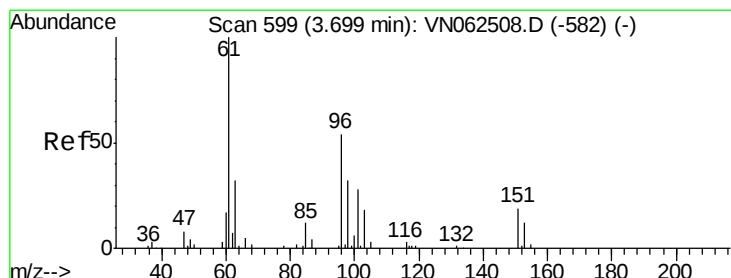
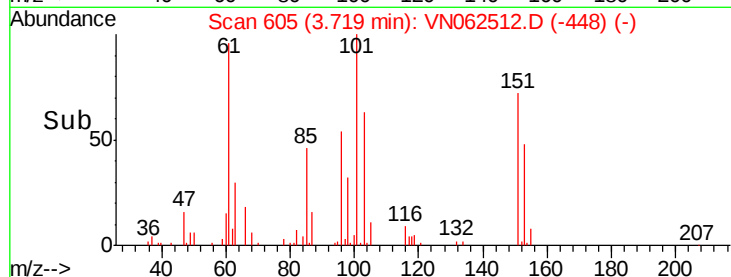
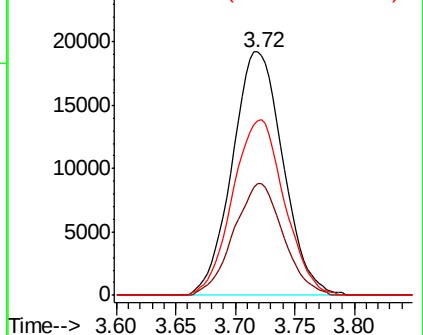
151 73.5 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.389 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

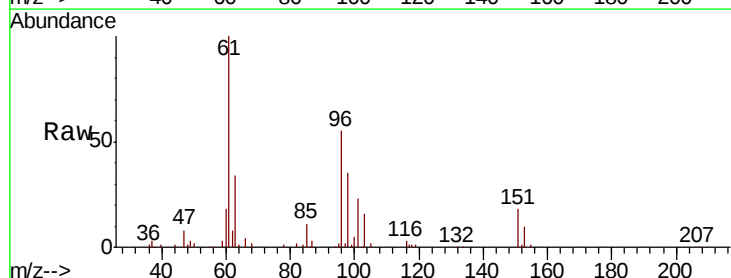
Tgt Ion: 96 Resp: 57489

Ion Ratio Lower Upper

96 100

61 183.3 147.8 221.8

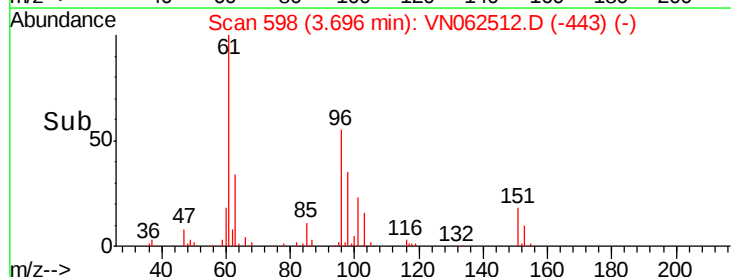
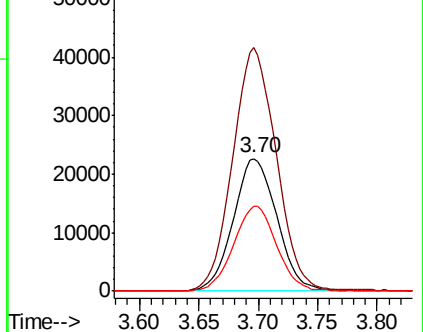
98 63.8 47.8 71.8

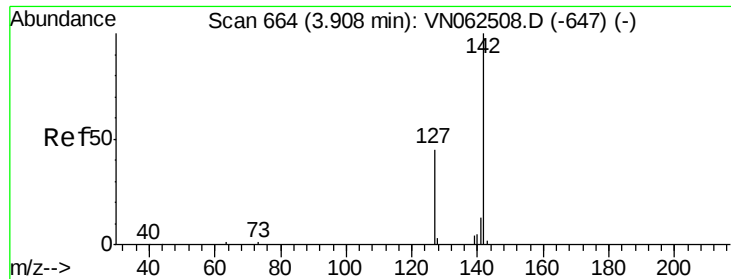


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

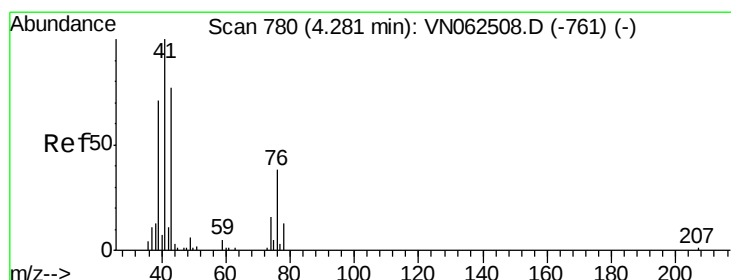
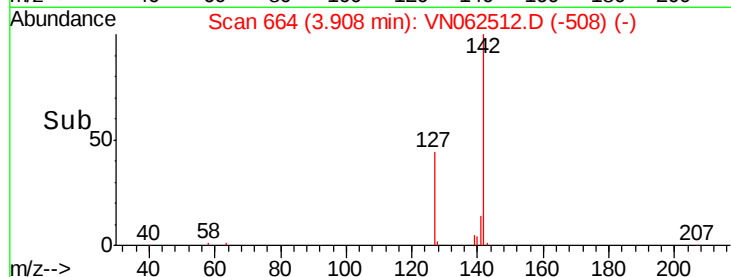
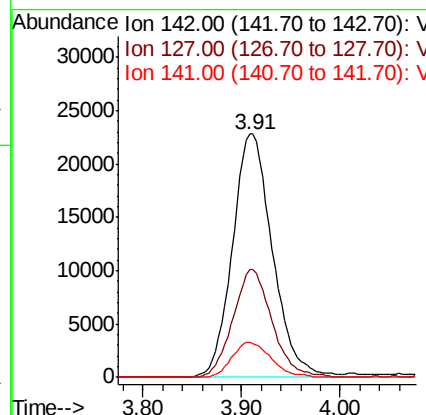
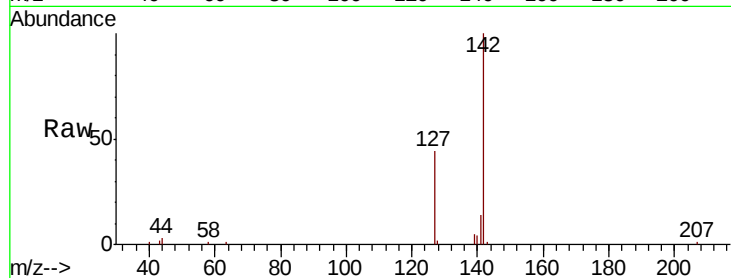




#11
Methvl Iodide
Concen: 18.695 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

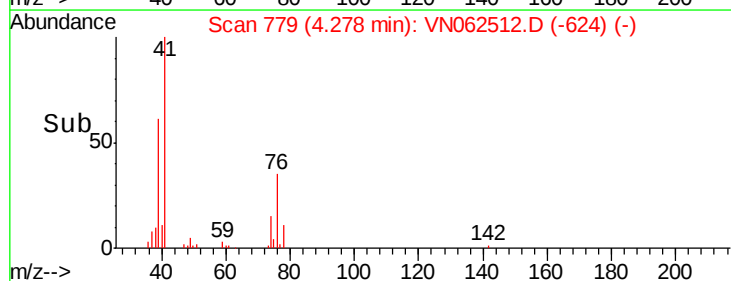
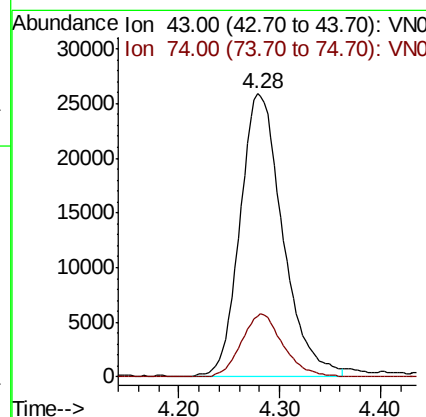
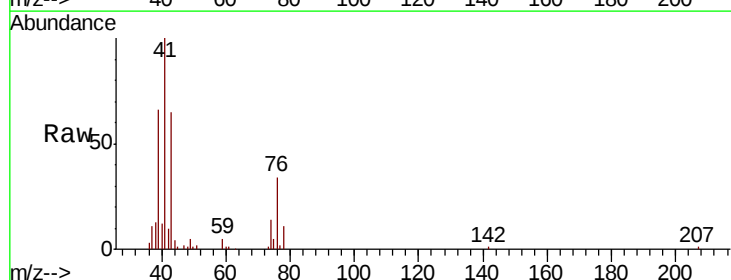
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

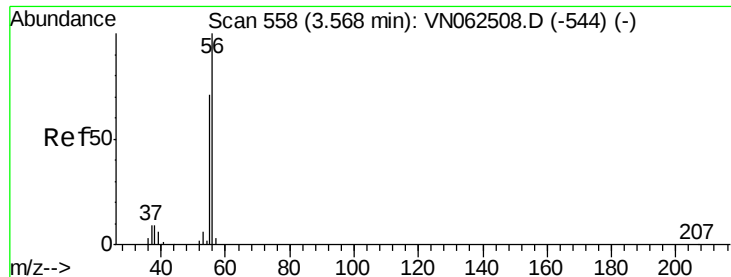
Tot Ion:142 Resp: 64553
Ion Ratio Lower Upper
142 100
127 44.4 22.1 66.5
141 14.5 6.5 19.4



#12
Methyl Acetate
Concen: 20.161 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 43 Resp: 76241
Ion Ratio Lower Upper
43 100
74 21.9 16.7 25.1





#13

Acrolein

Concen: 97.450 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

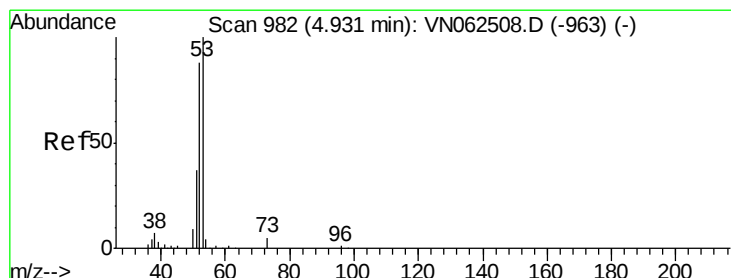
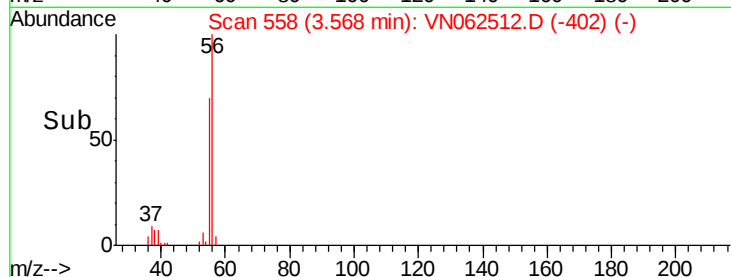
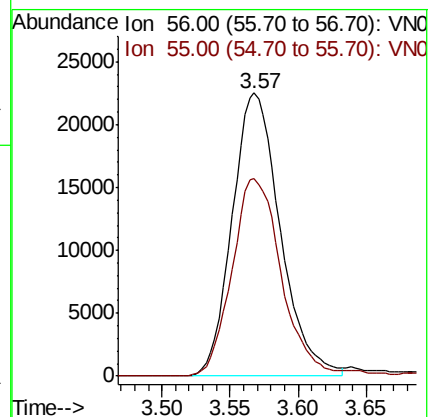
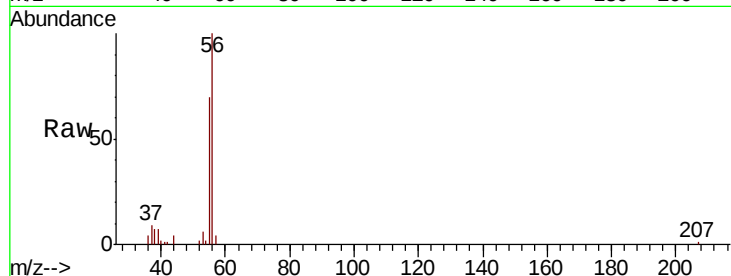
ICVVN071320

Tot Ion: 56 Resp: 55059

Ion Ratio Lower Upper

56 100

55 71.6 56.0 84.0



#14

Acrylonitrile

Concen: 100.963 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

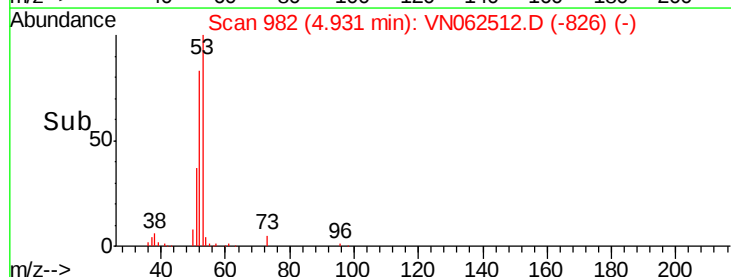
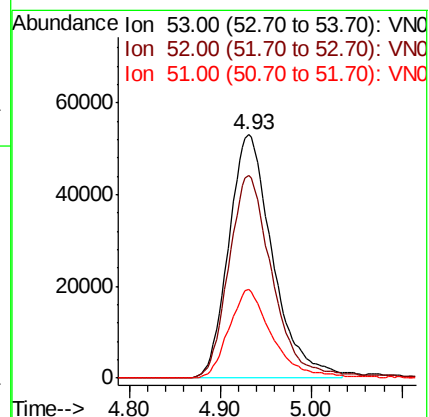
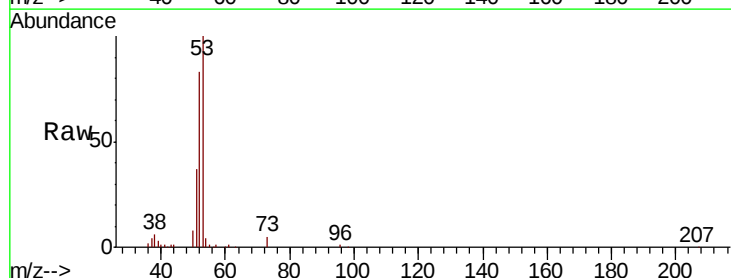
Tgt Ion: 53 Resp: 177567

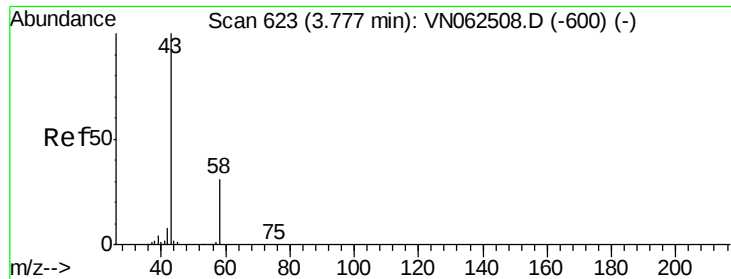
Ion Ratio Lower Upper

53 100

52 82.0 41.8 125.4

51 34.8 18.5 55.5





#15

Acetone

Concen: 97.523 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

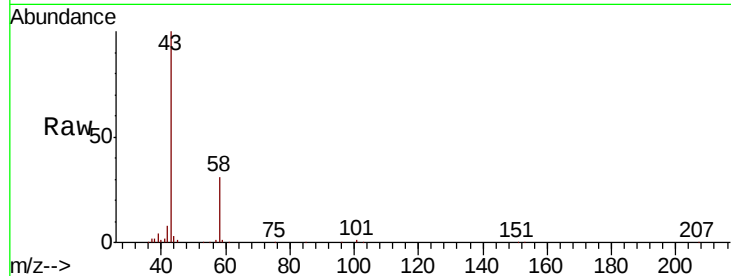
ICVVN071320

Tot Ion: 58 Resp: 52652

Ion Ratio Lower Upper

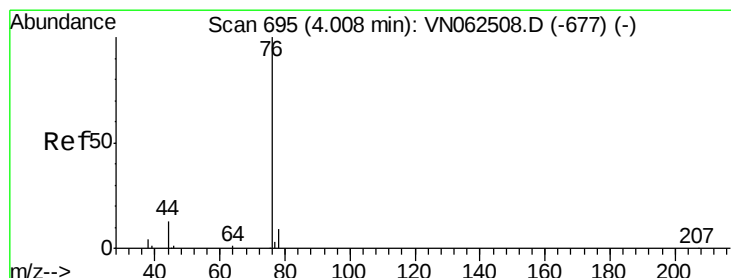
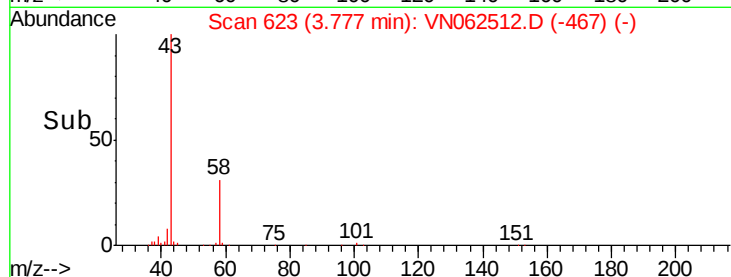
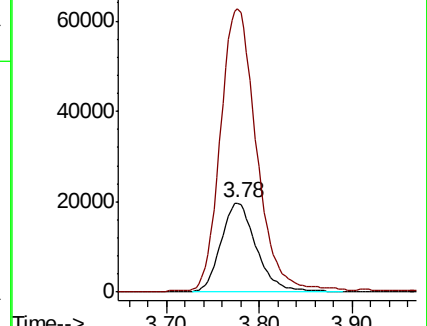
58 100

43 314.7 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN062508.D (-600) (-)

Ion 43.00 (42.70 to 43.70): VN062508.D (-600) (-)



#16

Carbon Disulfide

Concen: 20.389 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062512.D

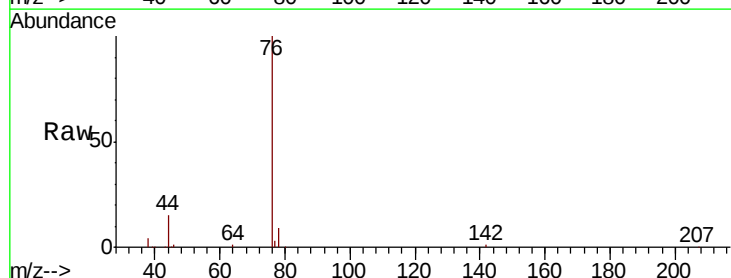
Acq: 13 Jul 2020 12:48

Tgt Ion: 76 Resp: 187347

Ion Ratio Lower Upper

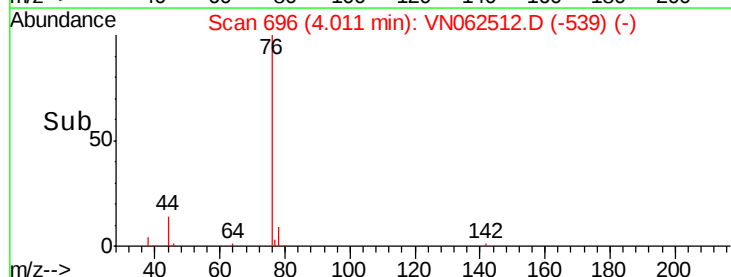
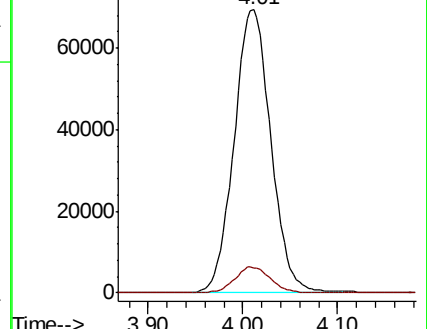
76 100

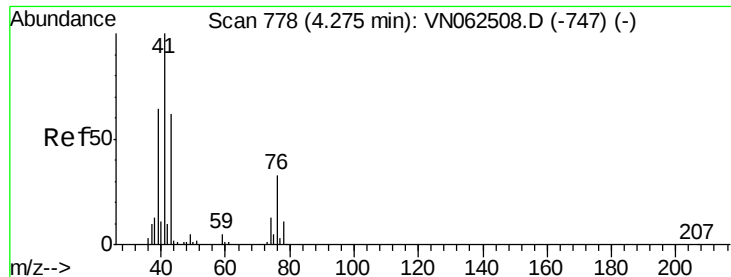
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-677) (-)

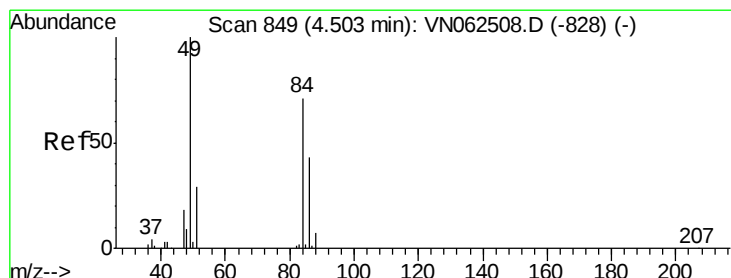
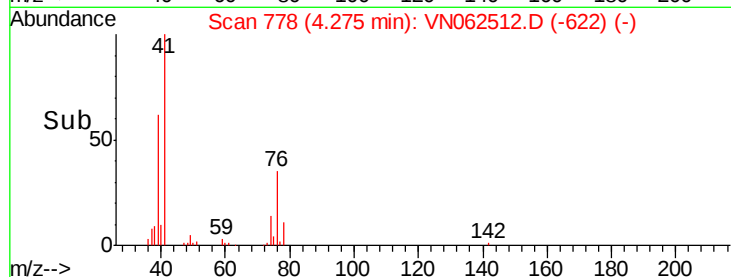
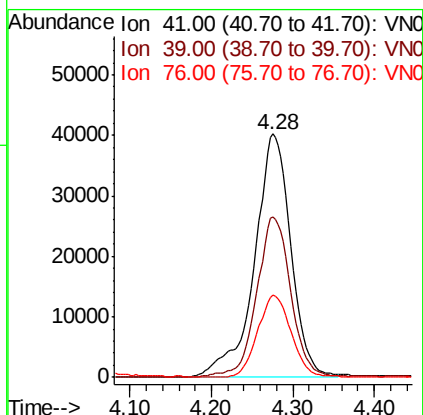
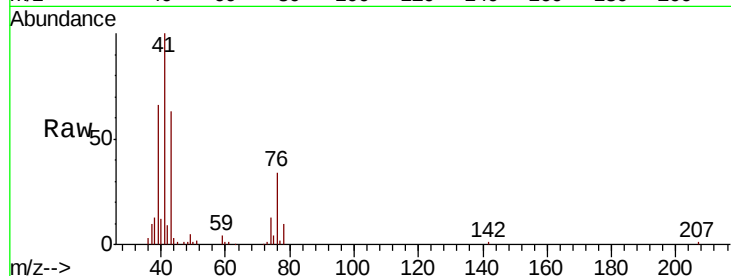




#17
Allvl chloride
Concen: 20.890 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

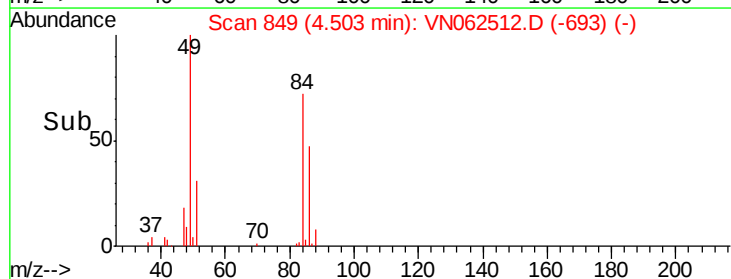
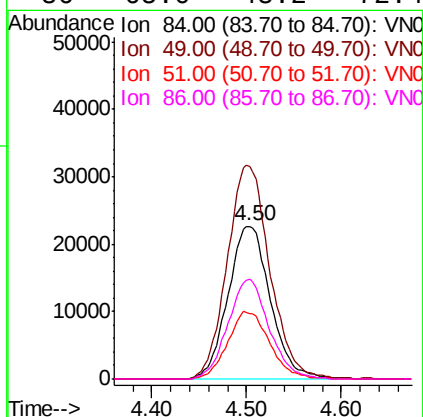
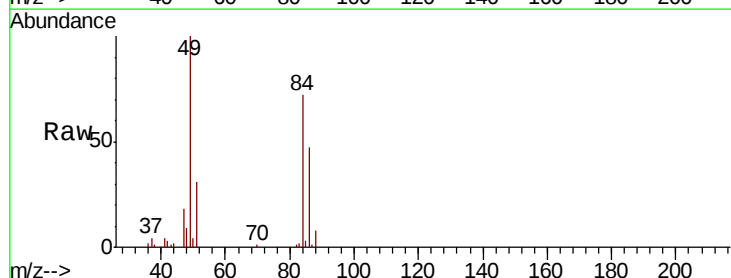
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

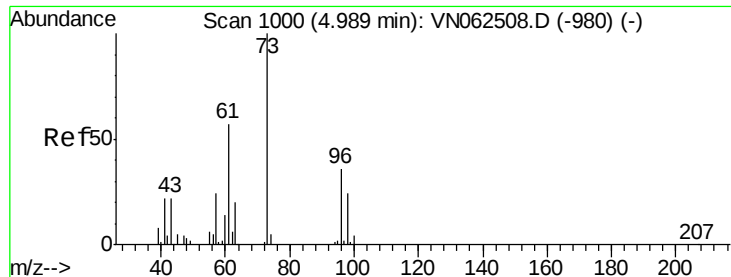
Tot Ion: 41 Resp: 125269
Ion Ratio Lower Upper
41 100
39 65.9 31.9 95.5
76 33.4 16.6 49.8



#18
Methylene Chloride
Concen: 20.338 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 84 Resp: 70563
Ion Ratio Lower Upper
84 100
49 138.8 112.1 168.1
51 42.8 33.0 49.4
86 65.0 48.2 72.4

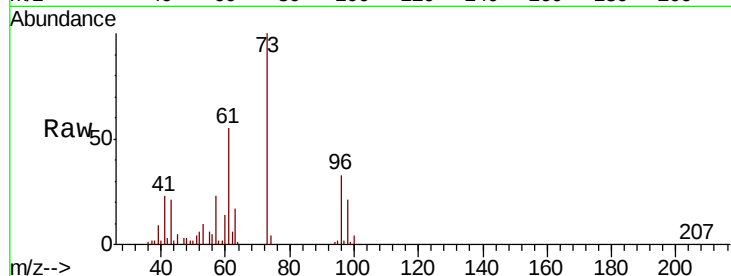




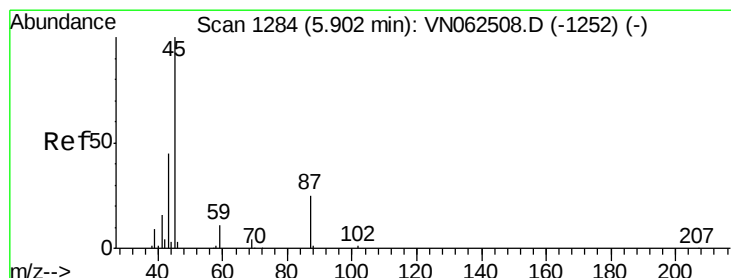
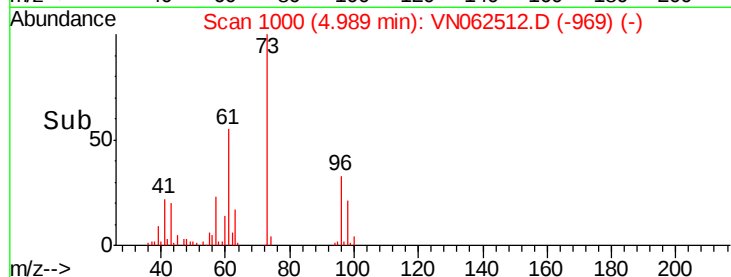
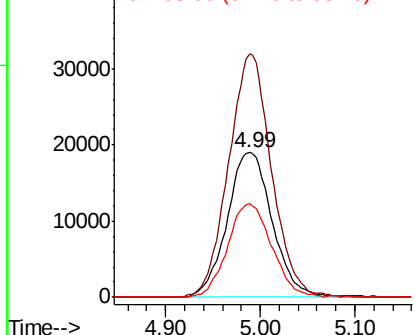
#19
trans-1,2-Dichloroethene
Concen: 20.141 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

Tot Ion: 96 Resp: 62857
Ion Ratio Lower Upper
96 100
61 167.2 125.7 188.5
98 64.5 54.1 81.1

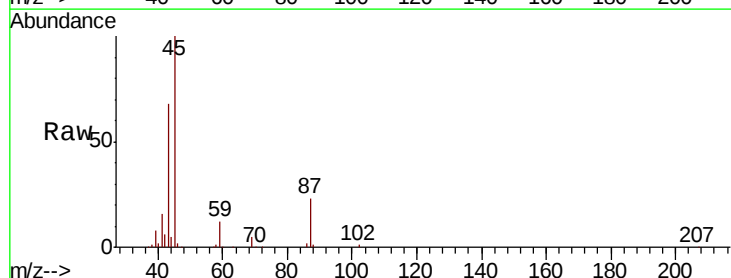


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

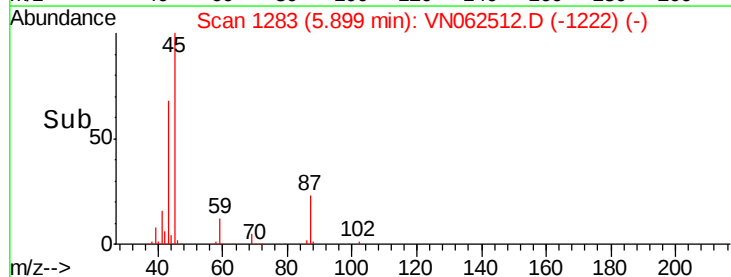
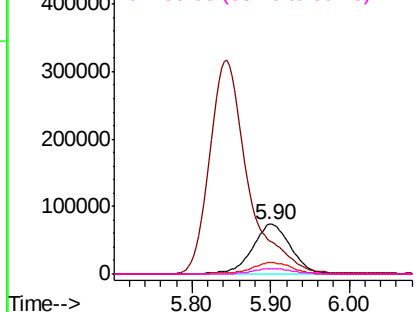


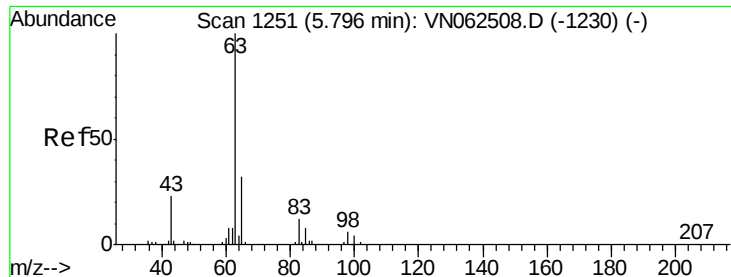
#20
Diisopropyl ether
Concen: 20.577 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 45 Resp: 253667
Ion Ratio Lower Upper
45 100
43 64.6 51.3 76.9
87 22.6 19.8 29.6
59 11.2 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.644 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

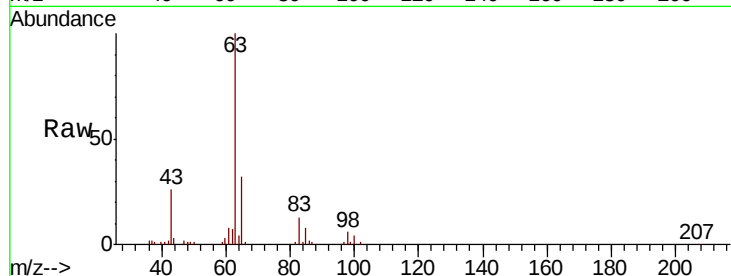
Tot Ion: 63 Resp: 134545

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

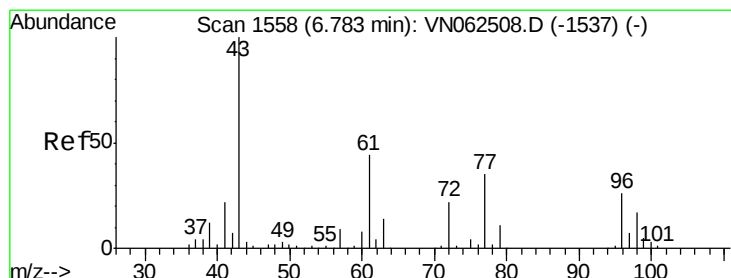
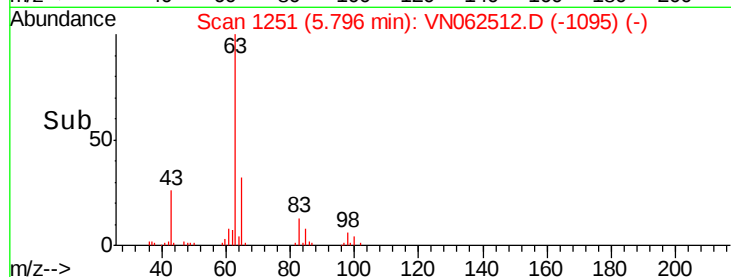
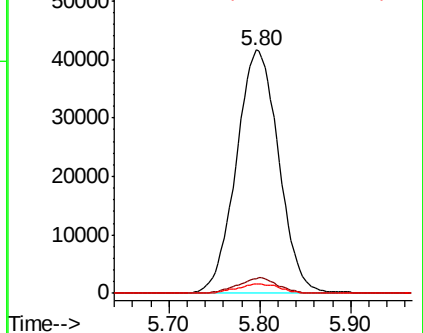
100 3.8 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN062512.D (-1095) (-)

Ion 98.00 (97.70 to 98.70): VN062512.D (-1095) (-)

Ion 100.00 (99.70 to 100.70): VN062512.D (-1095) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.586 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

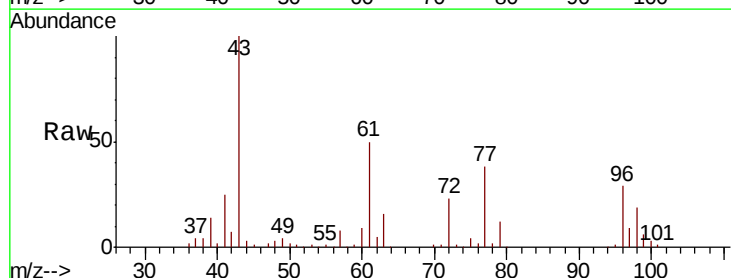
Tgt Ion: 96 Resp: 72452

Ion Ratio Lower Upper

96 100

61 168.2 134.9 202.3

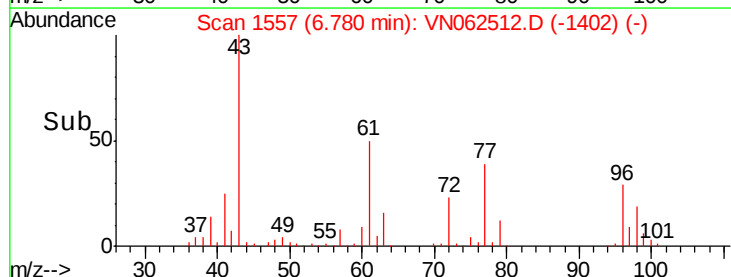
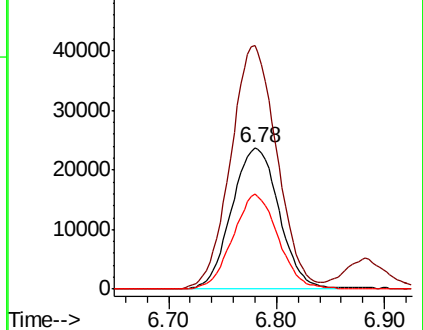
98 64.1 51.5 77.3

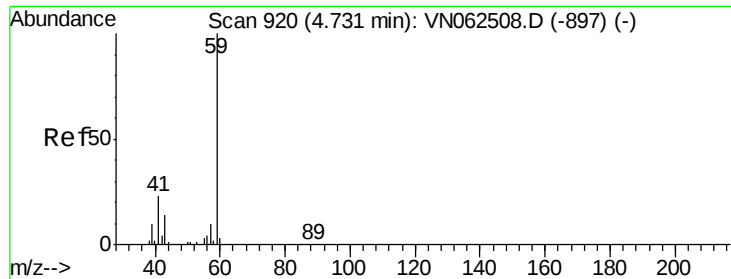


Abundance Ion 96.00 (95.70 to 96.70): VN062512.D (-1402) (-)

Ion 61.00 (60.70 to 61.70): VN062512.D (-1402) (-)

Ion 98.00 (97.70 to 98.70): VN062512.D (-1402) (-)

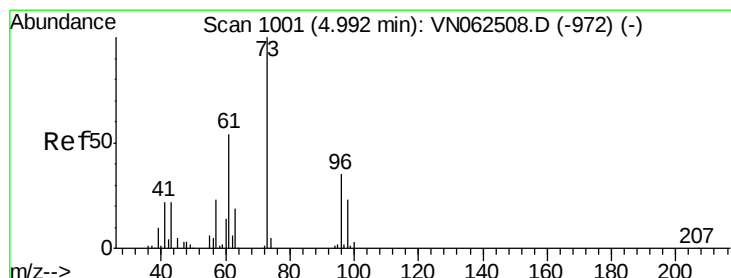
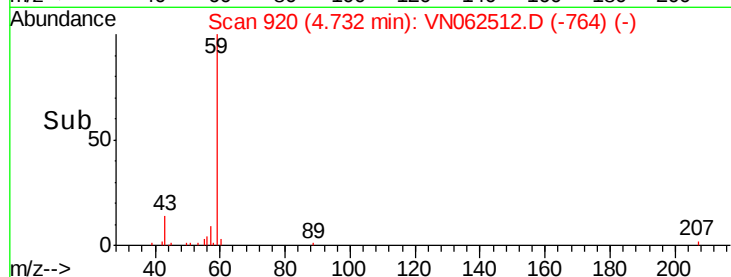
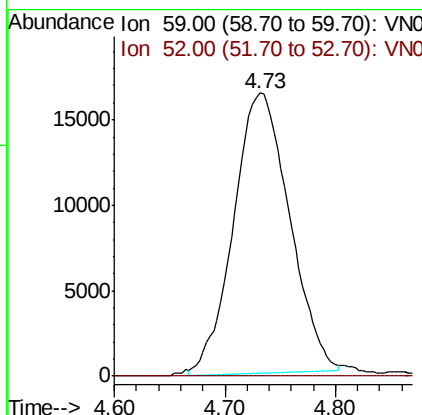
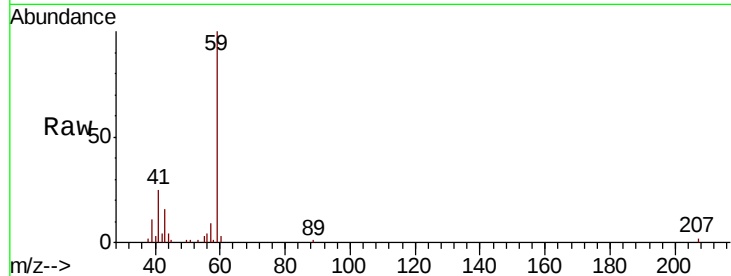




#23
 tert-Butyl Alcohol
 Concen: 98.218 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

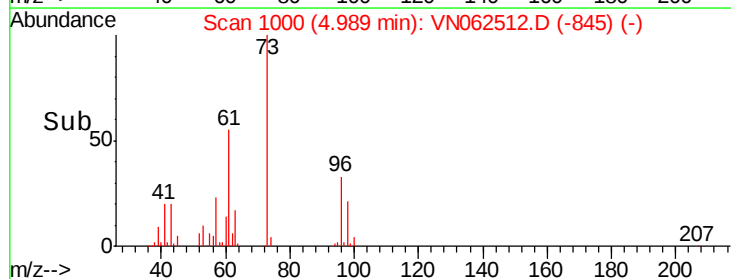
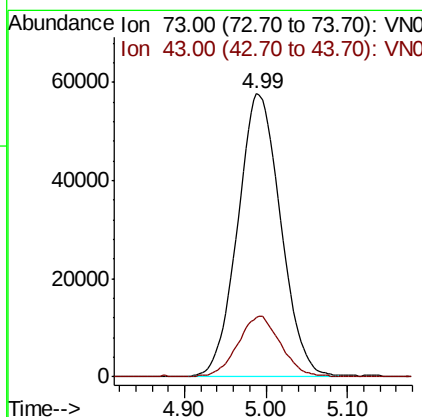
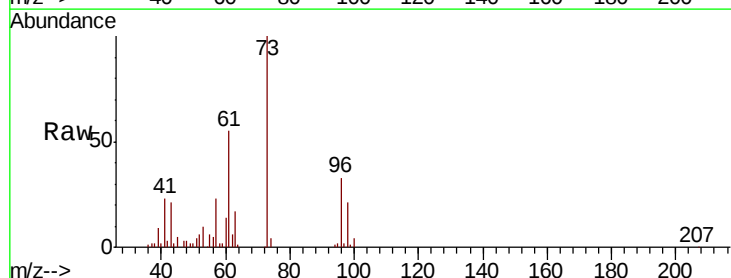
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

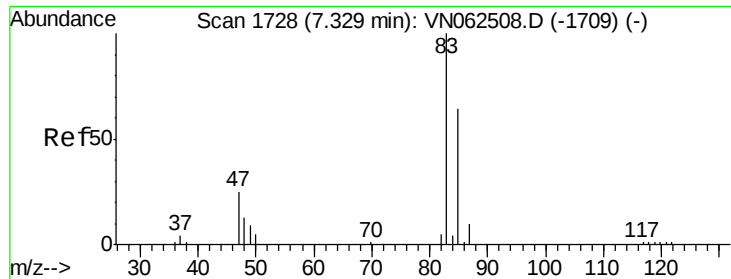
Tot Ion: 59 Resp: 57809
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 20.315 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion: 73 Resp: 211177
 Ion Ratio Lower Upper
 73 100
 43 21.4 16.9 25.3

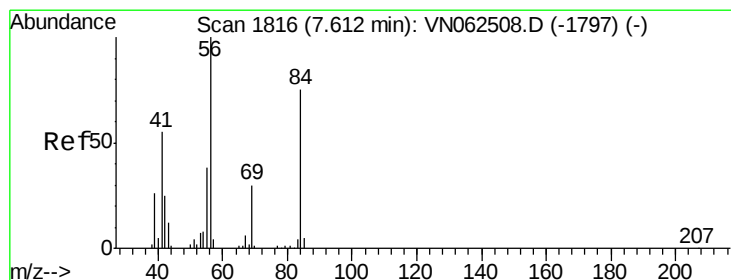
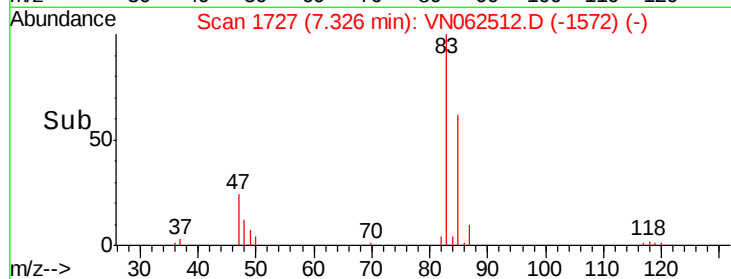
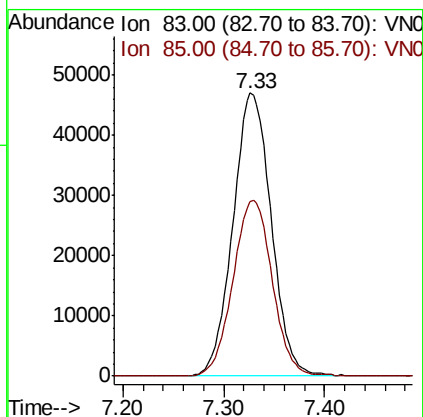
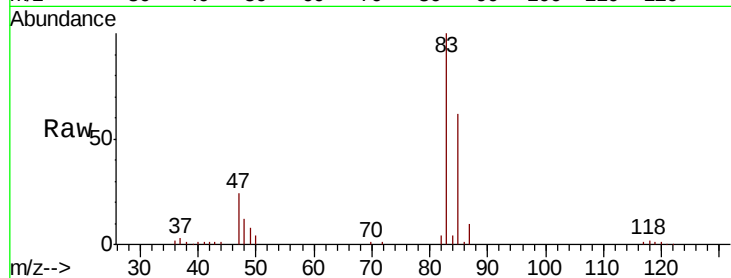




#25
Chloroform
Concen: 20.748 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

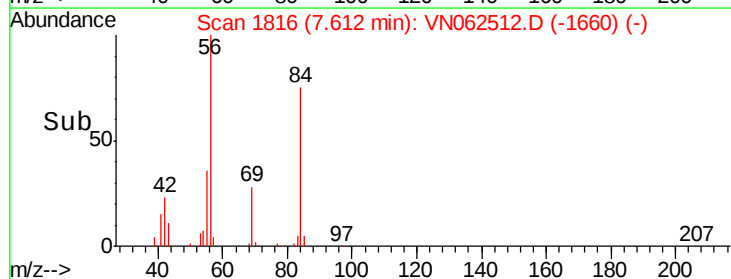
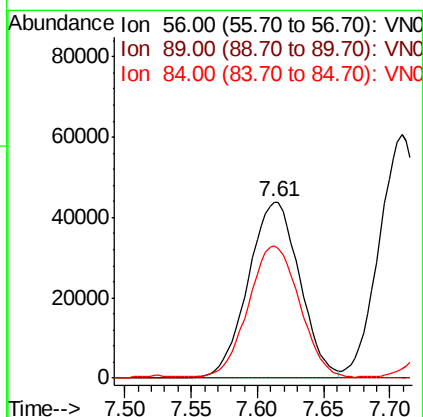
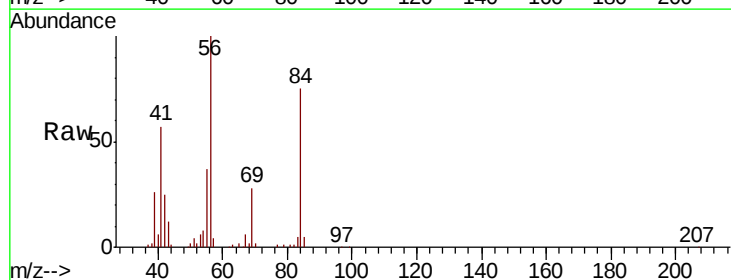
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

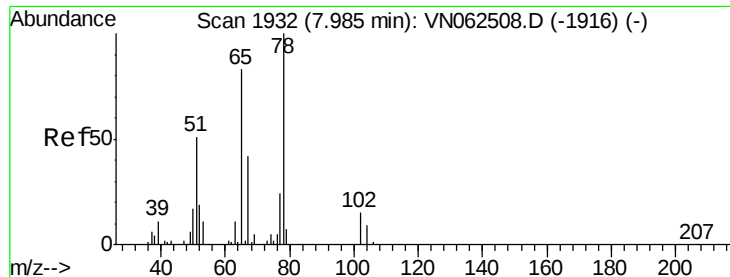
Tot Ion: 83 Resp: 124006
Ion Ratio Lower Upper
83 100
85 61.6 51.0 76.4



#26
Cyclohexane
Concen: 20.630 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 56 Resp: 118510
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.4 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 29.516 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

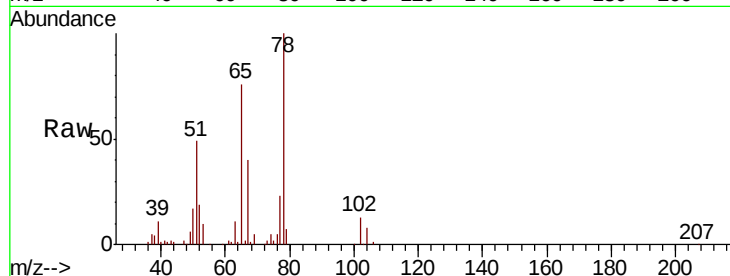
ICVVN071320

Tot Ion: 65 Resp: 124156

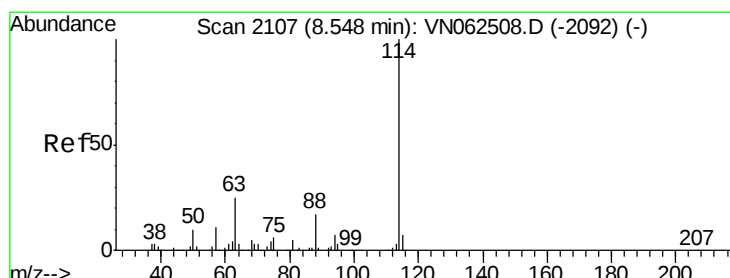
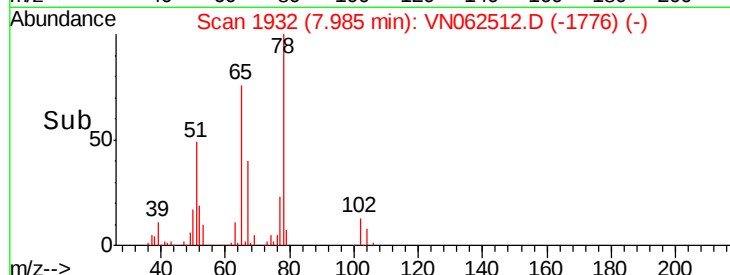
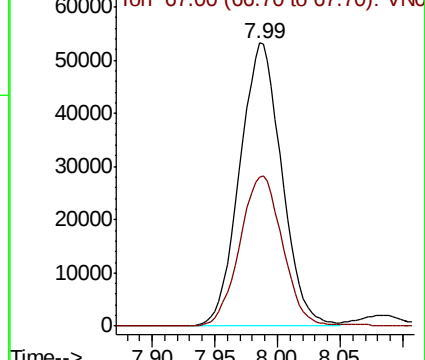
Ion Ratio Lower Upper

65 100

67 53.8 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN062512.D (-1776) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

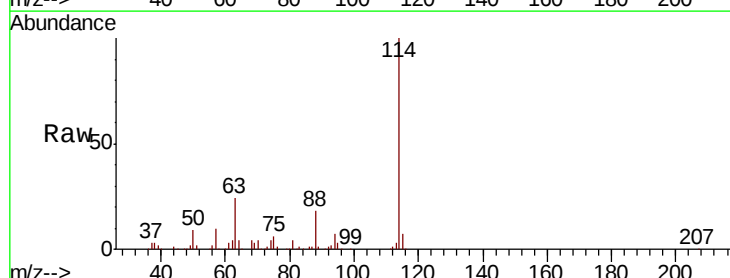
Tgt Ion: 114 Resp: 275983

Ion Ratio Lower Upper

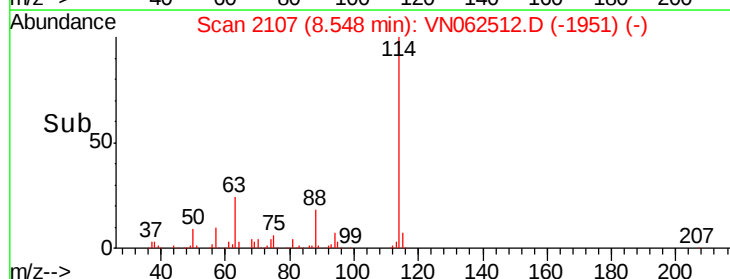
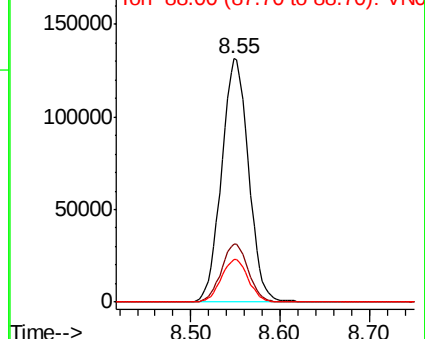
114 100

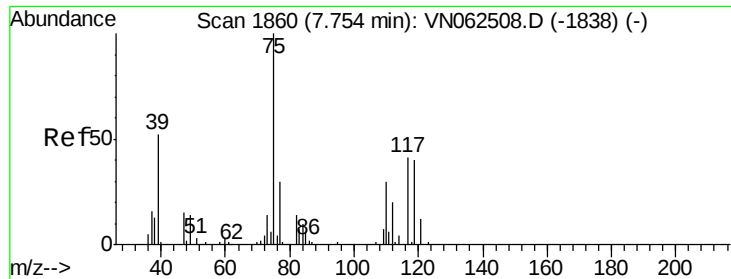
63 23.8 19.4 29.0

88 17.6 13.5 20.3



Abundance Ion 114.00 (113.70 to 114.70): VN062512.D (-1951) (-)





#29

1,1-Dichloropropene

Concen: 20.849 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

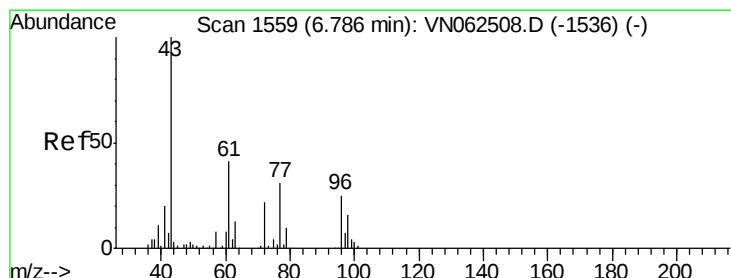
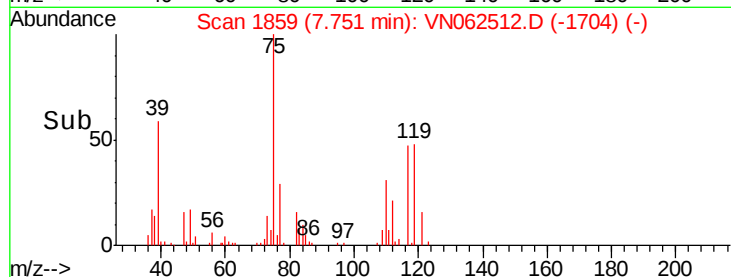
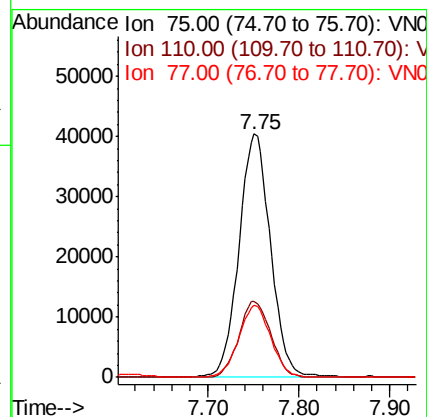
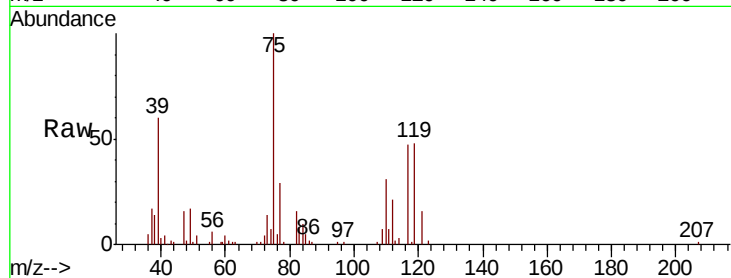
Tot Ion: 75 Resp: 97600

Ion Ratio Lower Upper

75 100

110 31.4 0.0 62.4

77 29.9 0.0 62.8



#30

2-Butanone

Concen: 99.652 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

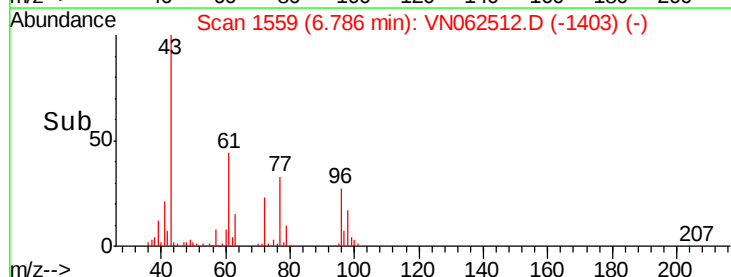
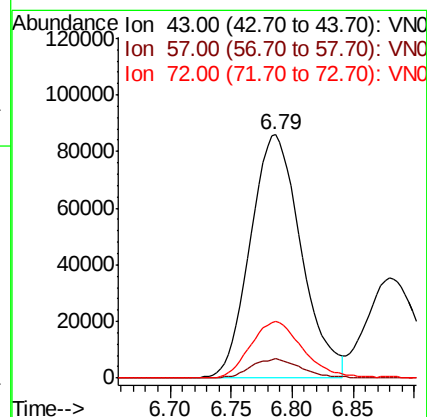
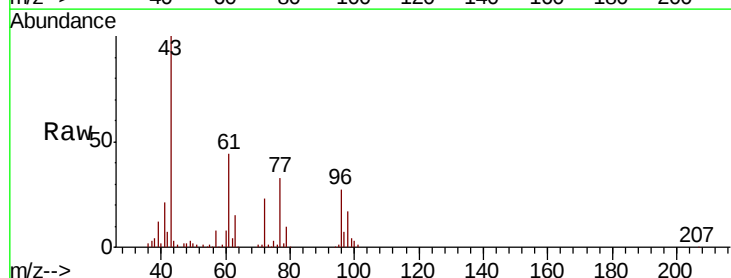
Tgt Ion: 43 Resp: 247406

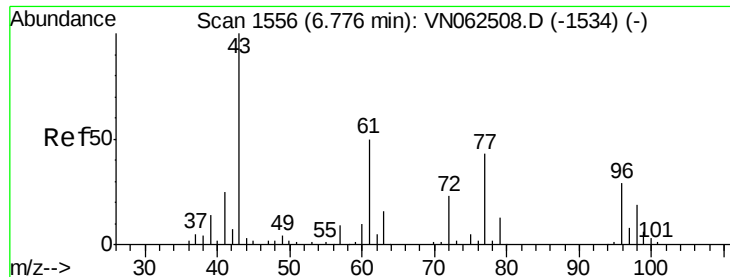
Ion Ratio Lower Upper

43 100

57 8.0 6.6 9.8

72 24.2 18.5 27.7





#31

2,2-Dichloropropane

Concen: 20.276 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

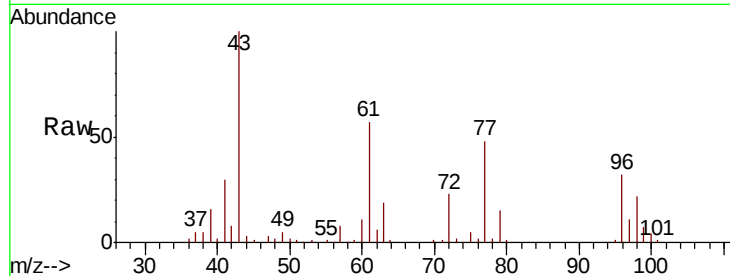
ICVVN071320

Tot Ion: 77 Resp: 107028

Ion Ratio Lower Upper

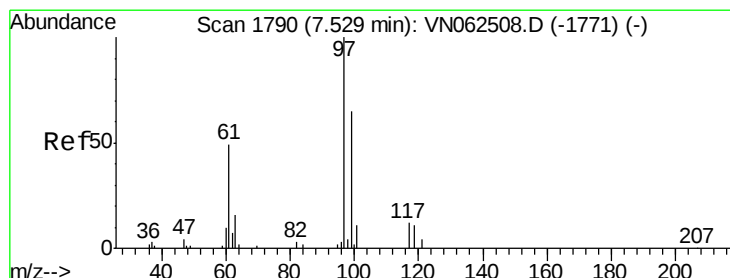
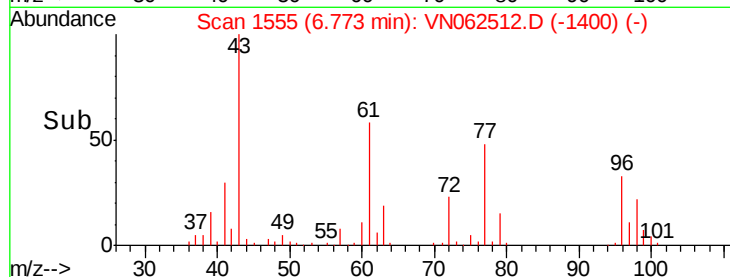
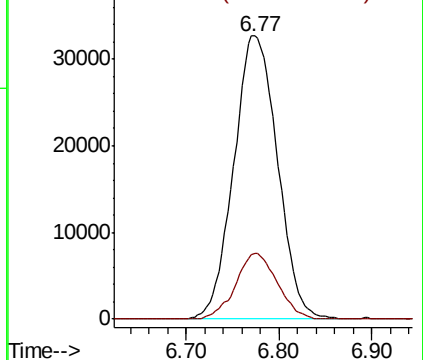
77 100

97 22.0 8.6 12.8#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.396 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

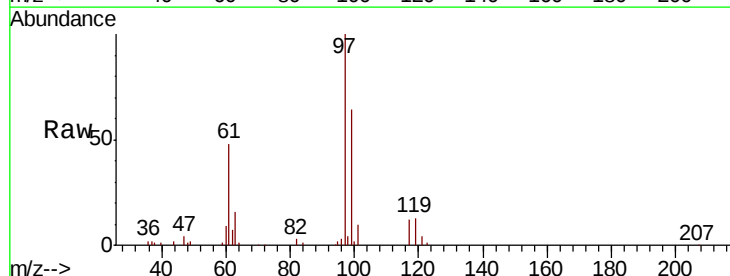
Tgt Ion: 97 Resp: 102620

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

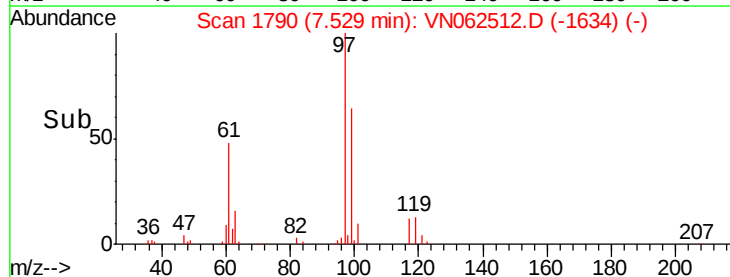
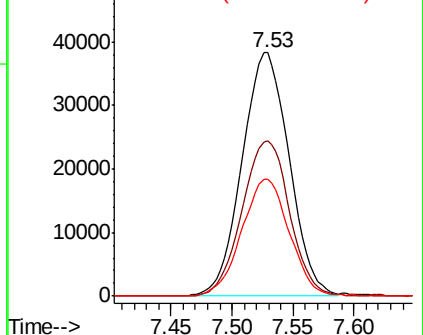
61 48.4 39.4 59.0

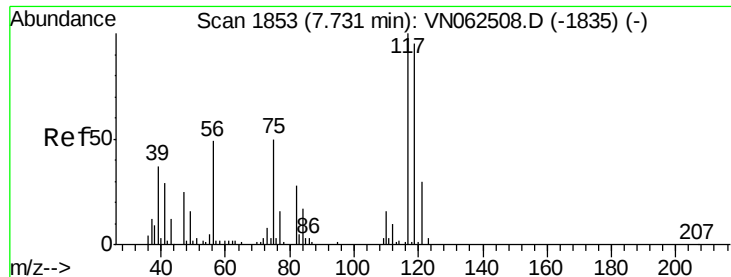


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

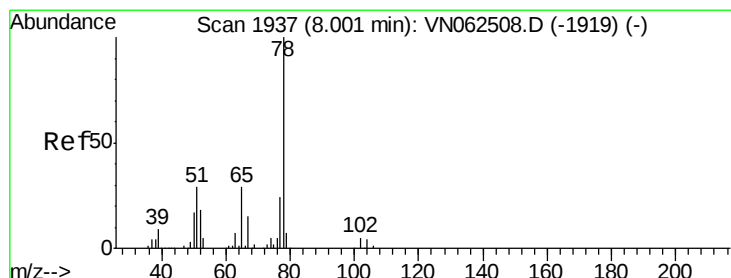
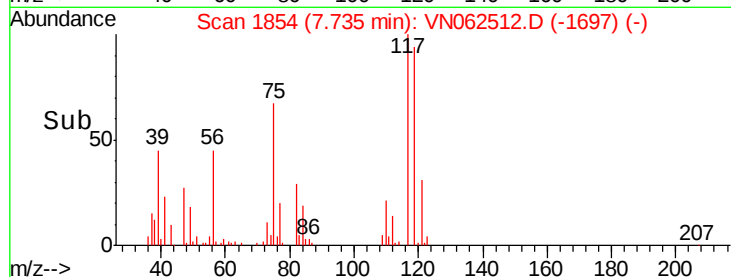
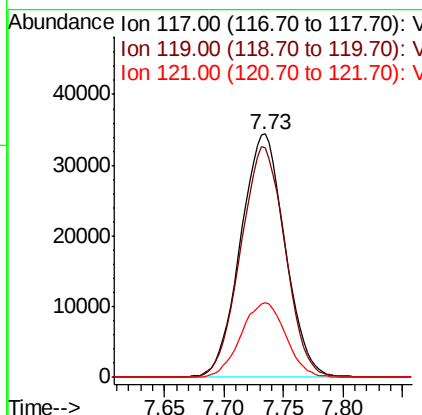
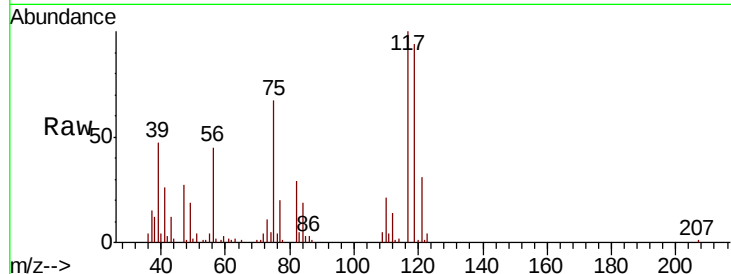




#33
Carbon Tetrachloride
Concen: 20.423 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

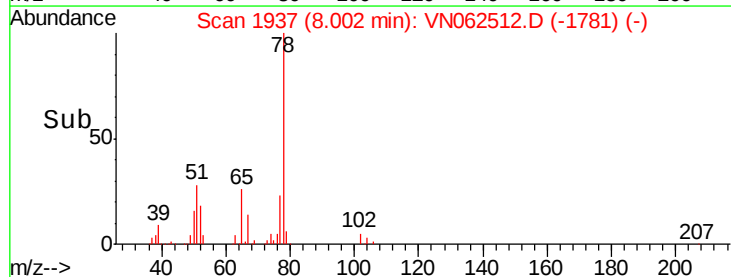
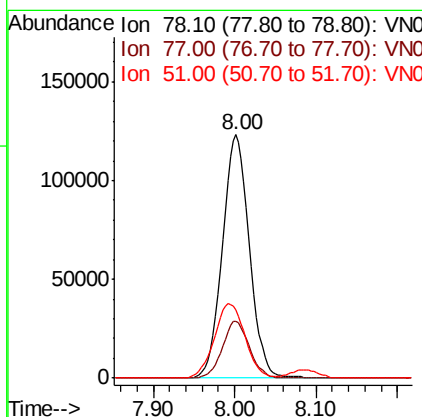
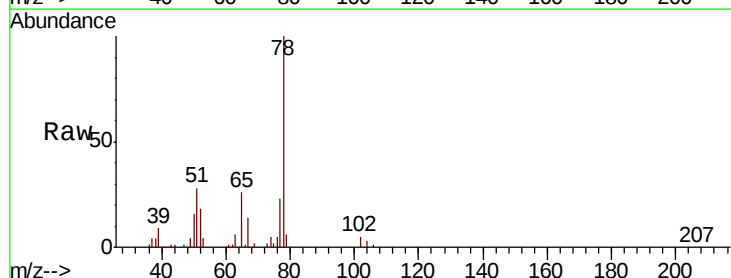
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

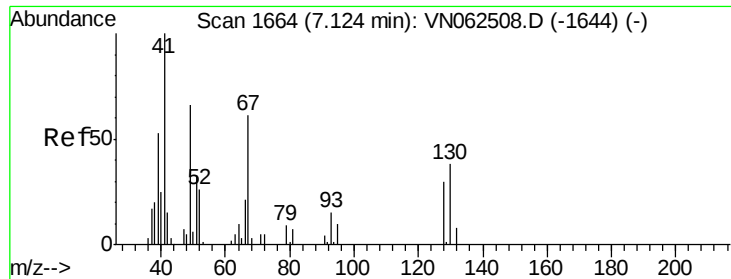
Tot Ion:117 Resp: 89078
Ion Ratio Lower Upper
117 100
119 94.3 76.2 114.4
121 30.9 23.8 35.6



#34
Benzene
Concen: 20.685 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 78 Resp: 287682
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3
51 27.6 23.1 34.7

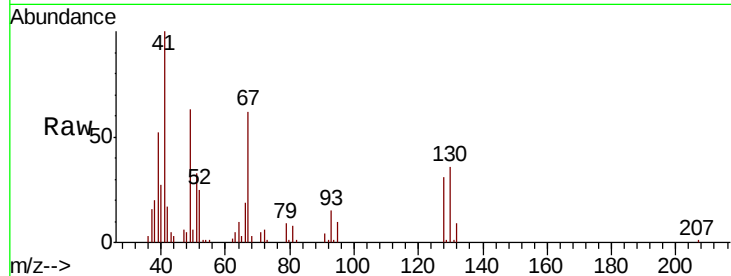




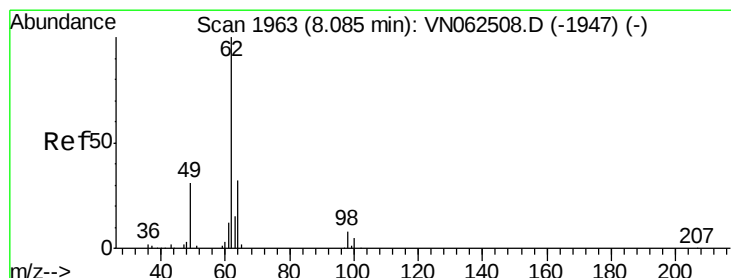
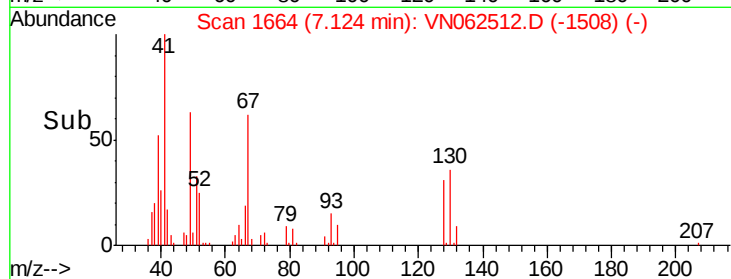
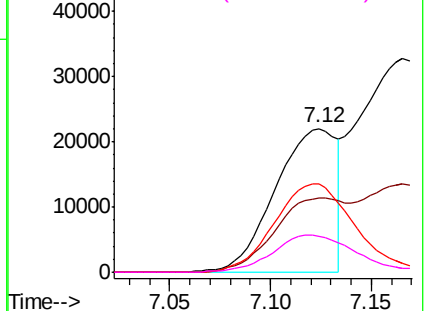
#35
Methacrylonitrile
Concen: 21.357 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

Tot Ion:	41	Resp:	46576
Ion	Ratio	Lower	Upper
41	100		
39	51.8	26.5	79.5
67	62.0	30.7	92.1
52	25.0	13.0	39.0

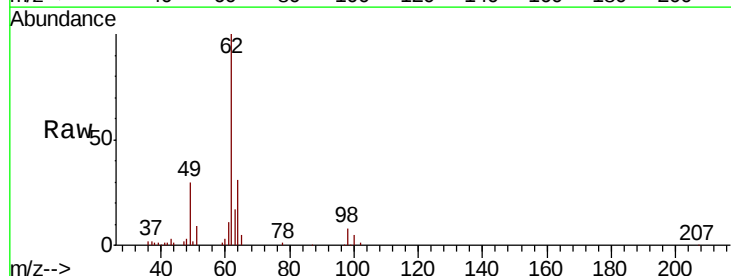


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

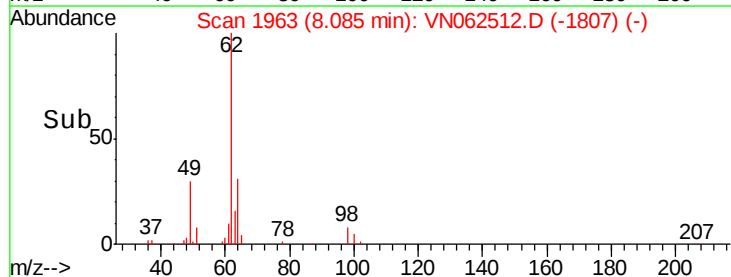
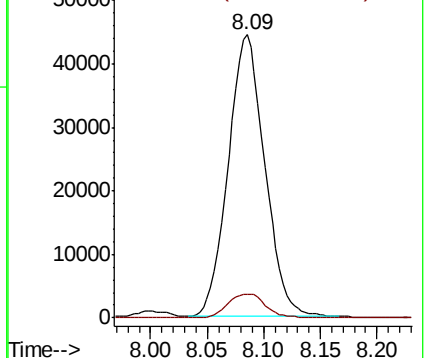


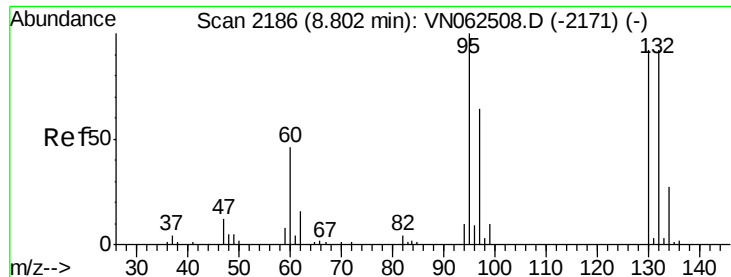
#36
1,2-Dichloroethane
Concen: 20.069 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion:	62	Resp:	100319
Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.6	9.8



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

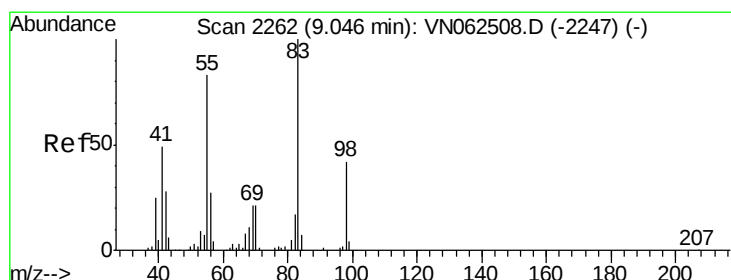
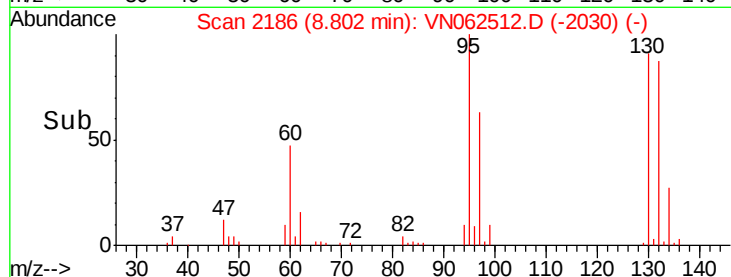
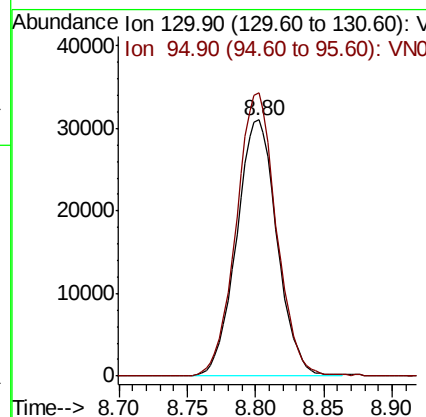
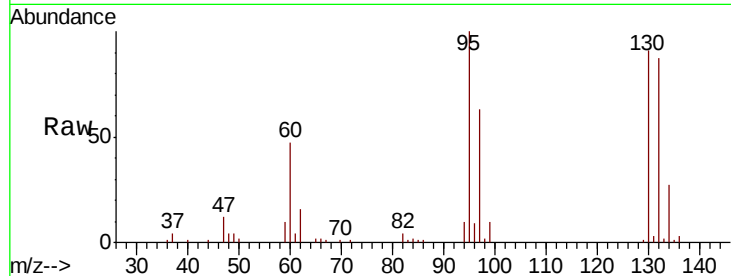




#37
 Trichloroethene
 Concen: 20.480 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

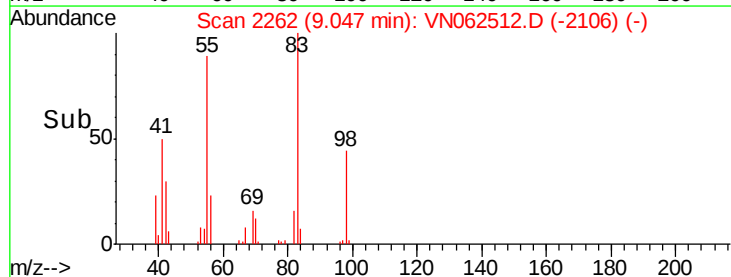
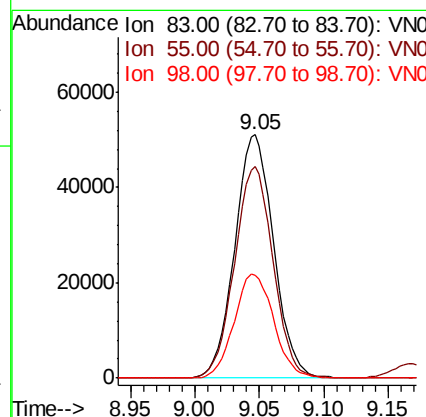
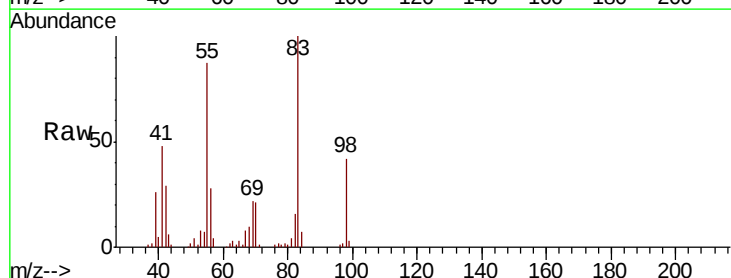
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

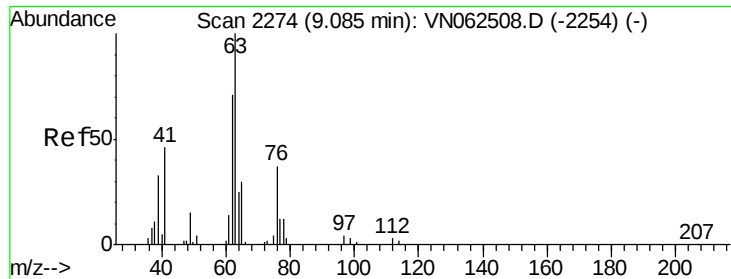
Tot Ion:130 Resp: 63979
 Ion Ratio Lower Upper
 130 100
 95 110.4 86.5 129.7



#38
 Methylcyclohexane
 Concen: 20.366 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion: 83 Resp: 106953
 Ion Ratio Lower Upper
 83 100
 55 86.4 42.8 128.3
 98 43.5 21.9 65.7

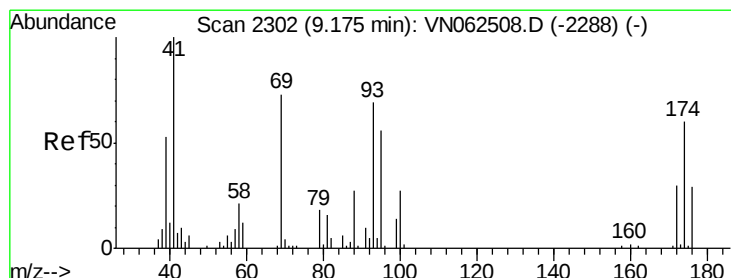
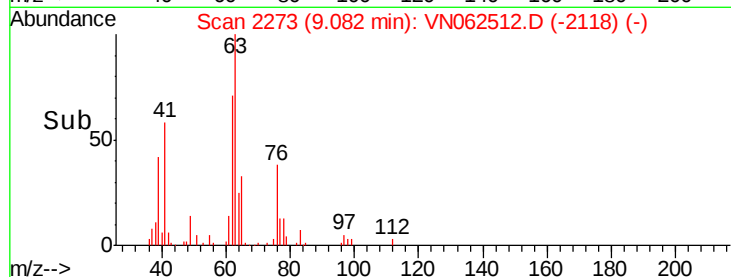
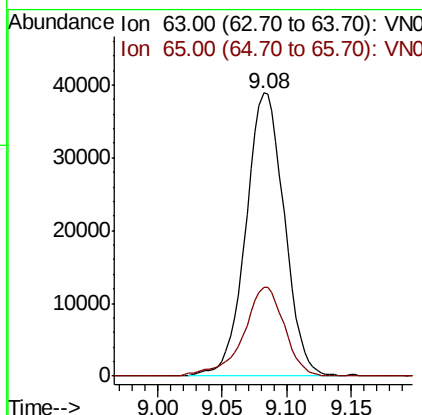
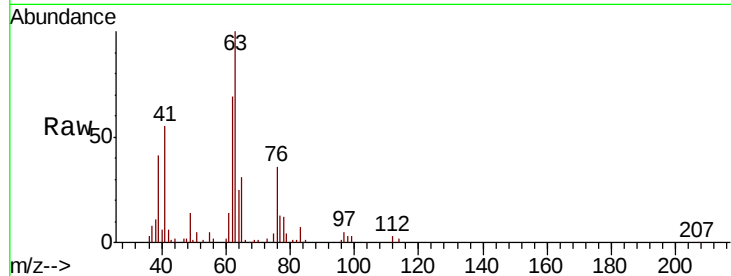




#39
 1,2-Dichloropropane
 Concen: 20.447 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

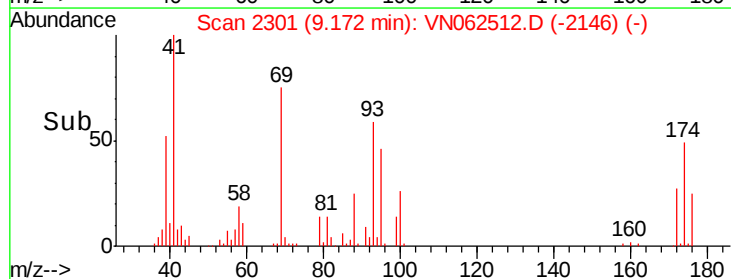
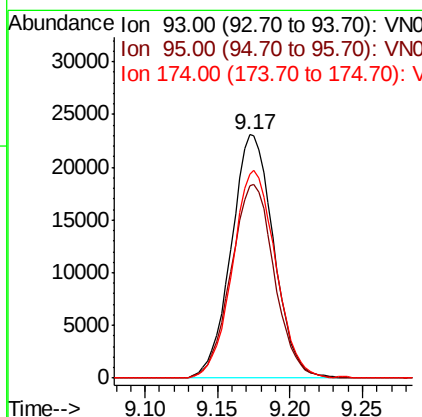
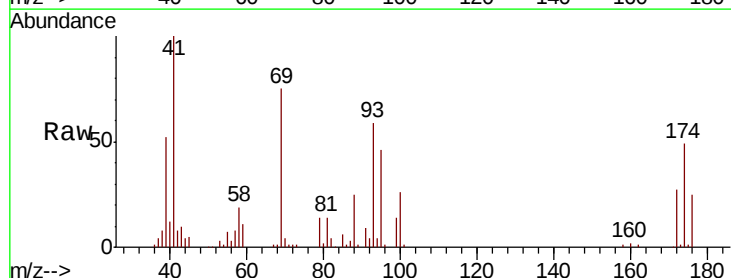
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

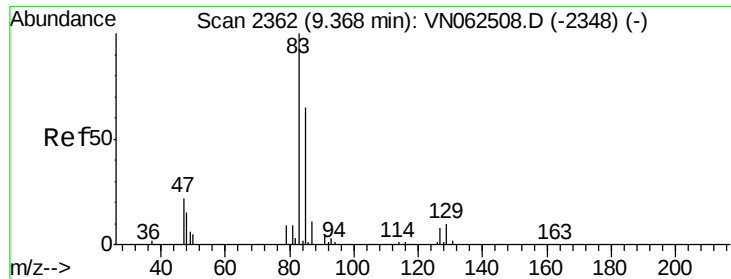
Tot Ion: 63 Resp: 81015
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4



#40
 Dibromomethane
 Concen: 20.547 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion: 93 Resp: 46919
 Ion Ratio Lower Upper
 93 100
 95 81.1 0.0 161.2
 174 86.7 0.0 178.0





#41

Bromodichloromethane

Concen: 19.952 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

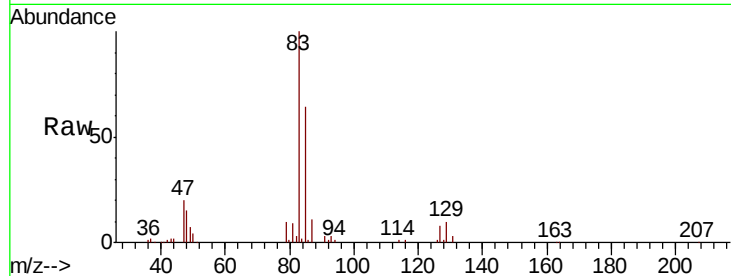
Tot Ion: 83 Resp: 96634

Ion Ratio Lower Upper

83 100

85 64.4 51.6 77.4

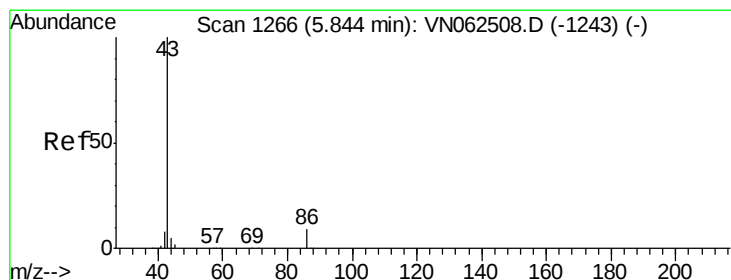
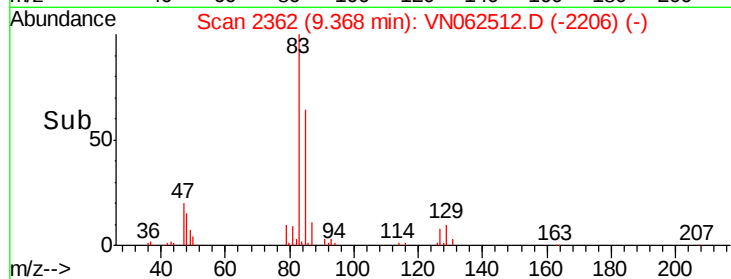
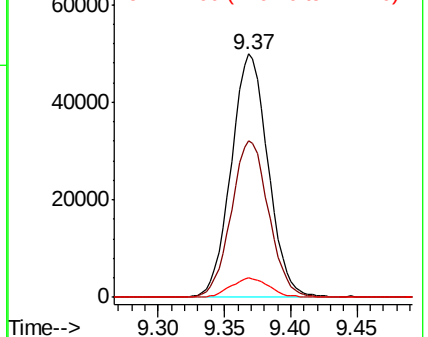
127 8.0 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VN062512.D (-2206) (-)

Ion 85.00 (84.70 to 85.70): VN062512.D (-2206) (-)

Ion 127.00 (126.70 to 127.70): VN062512.D (-2206) (-)



#42

Vinyl Acetate

Concen: 103.178 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062512.D

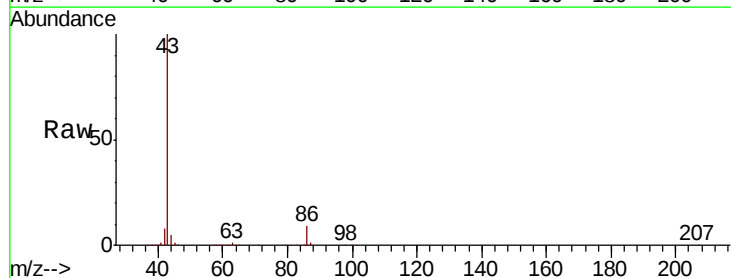
Acq: 13 Jul 2020 12:48

Tgt Ion: 43 Resp: 1064467

Ion Ratio Lower Upper

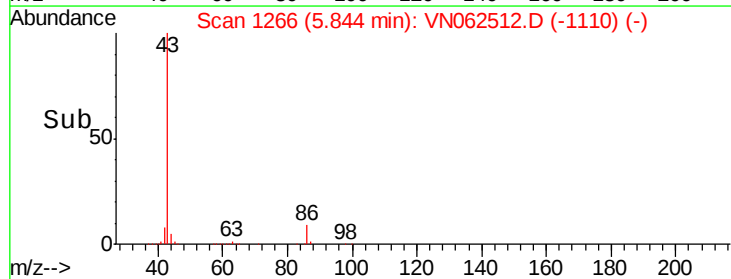
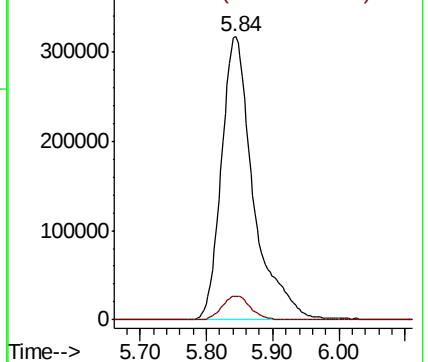
43 100

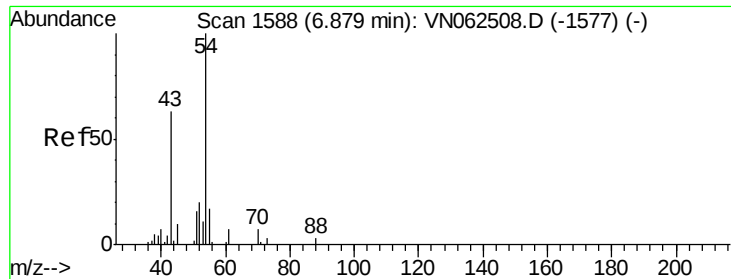
86 7.6 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN062512.D (-1110) (-)

Ion 86.00 (85.70 to 86.70): VN062512.D (-1110) (-)

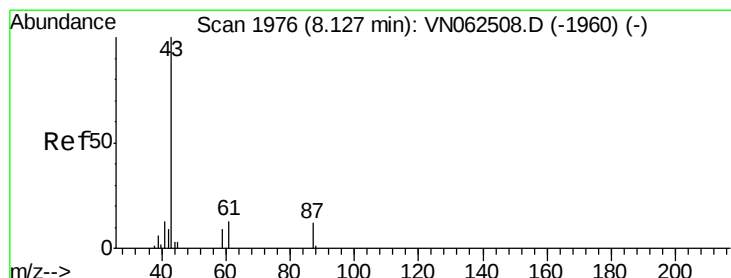
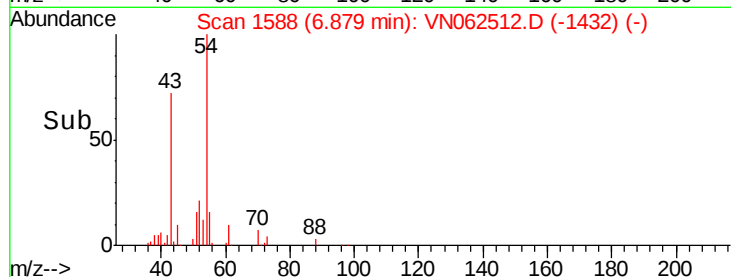
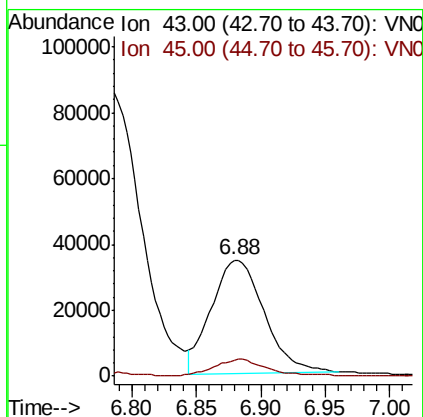
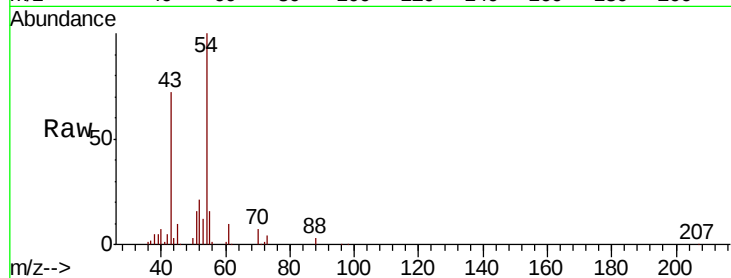




#43
Ethyl Acetate
Concen: 19.668 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

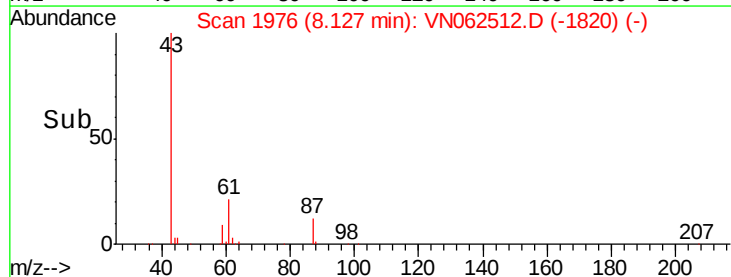
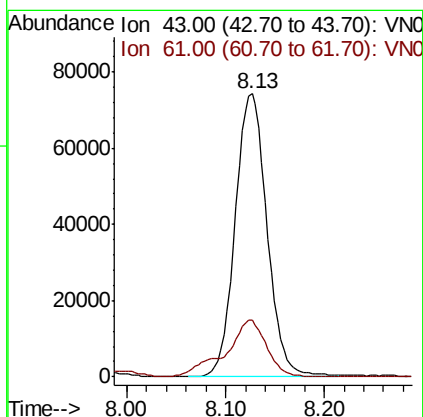
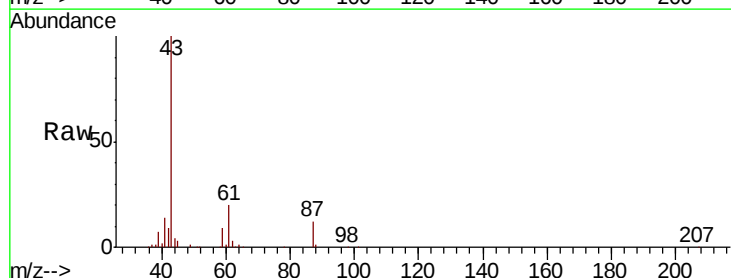
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

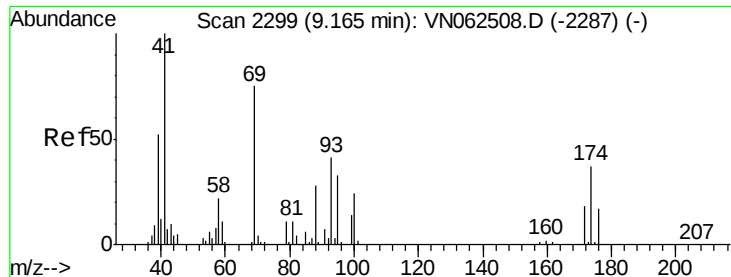
Tot Ion: 43 Resp: 98168
Ion Ratio Lower Upper
43 100
45 15.4 10.2 15.4#



#44
Isopropyl Acetate
Concen: 19.751 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 43 Resp: 165403
Ion Ratio Lower Upper
43 100
61 20.4 14.7 22.1

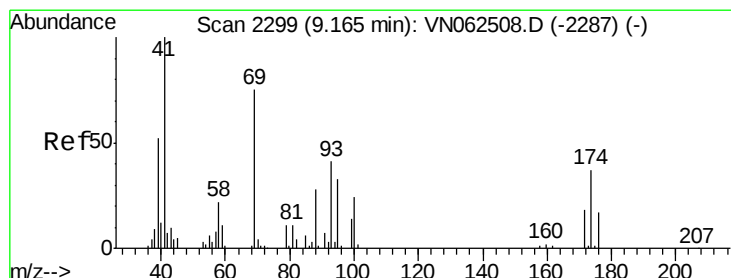
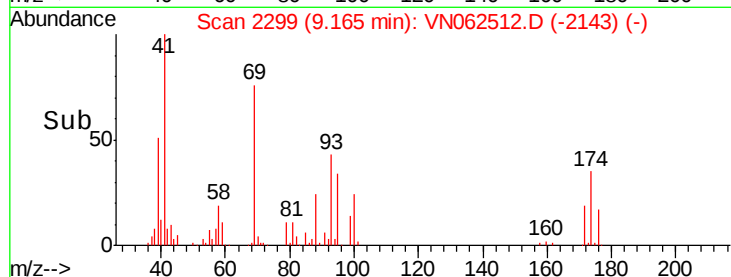
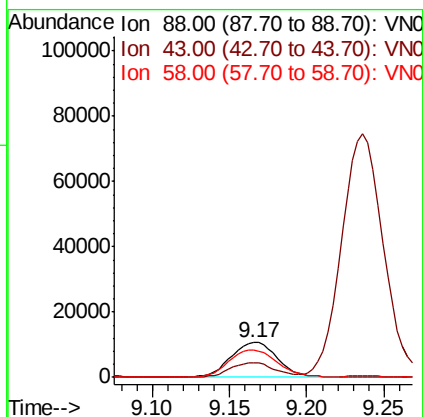
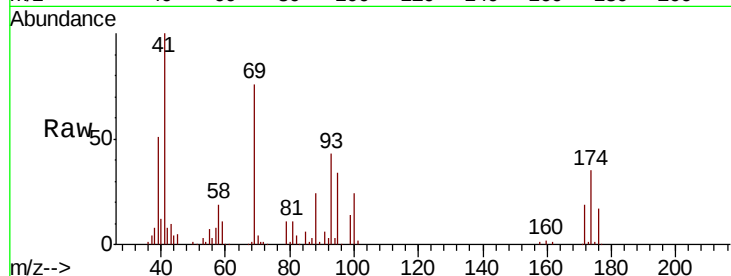




#45
 1,4-Dioxane
 Concen: 398.135 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

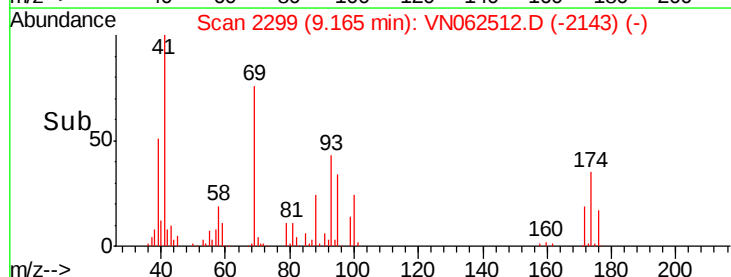
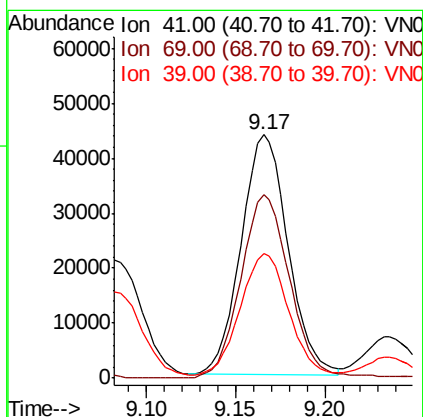
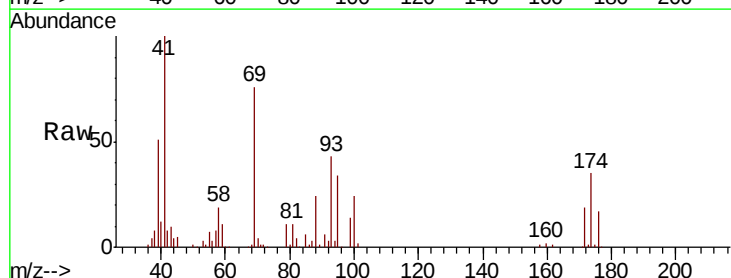
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

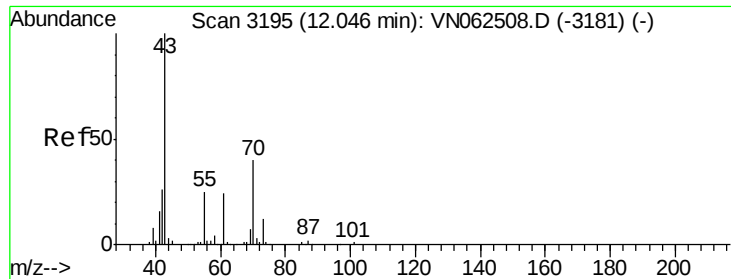
Tot Ion: 88 Resp: 22808
 Ion Ratio Lower Upper
 88 100
 43 40.8 29.2 43.8
 58 81.3 62.2 93.4



#46
 Methyl methacrylate
 Concen: 20.135 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion: 41 Resp: 79998
 Ion Ratio Lower Upper
 41 100
 69 76.9 37.4 112.2
 39 50.6 25.9 77.6

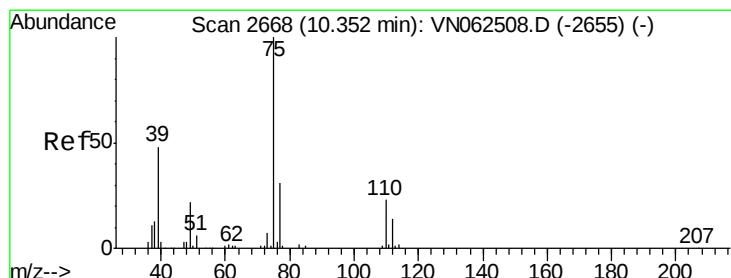
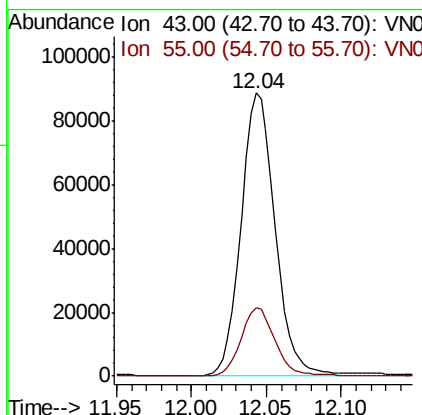
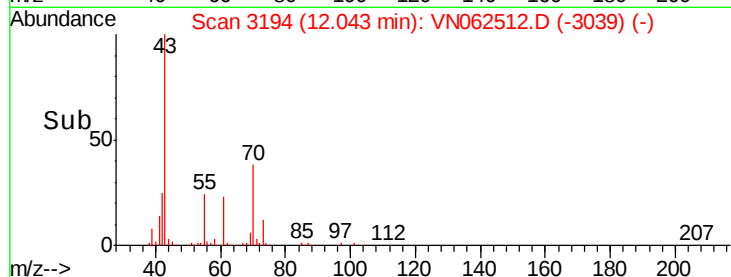
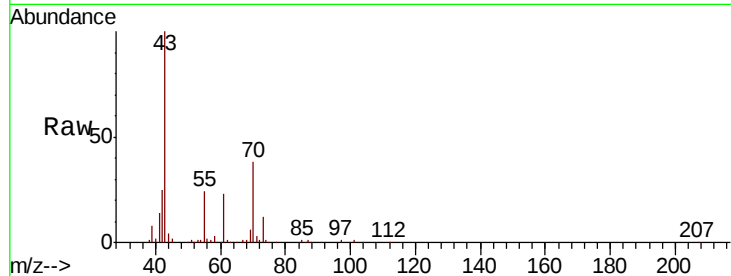




#47
n-amvl Acetate
Concen: 19.971 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

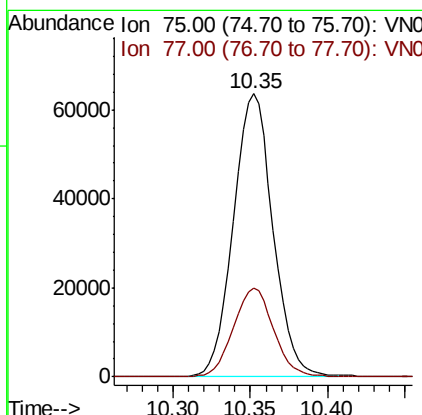
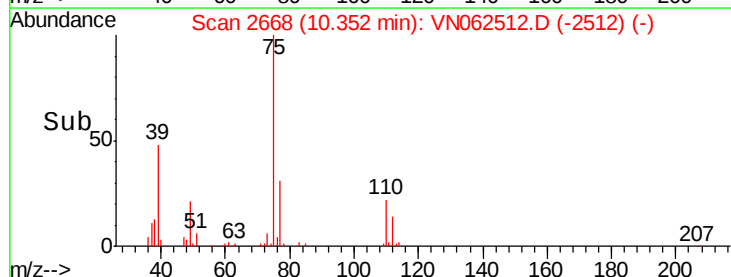
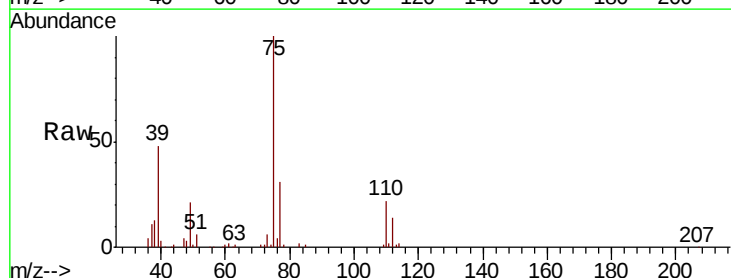
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

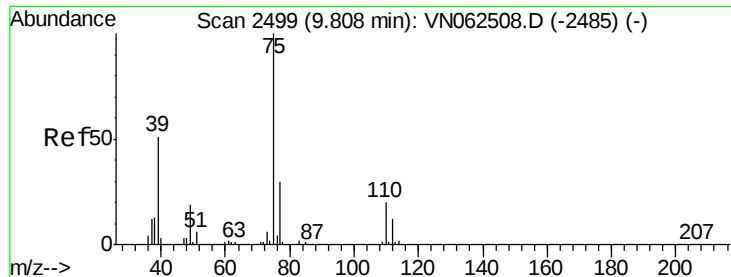
Tot Ion: 43 Resp: 140983
Ion Ratio Lower Upper
43 100
55 24.3 20.4 30.6



#48
t-1,3-Dichloropropene
Concen: 19.983 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 75 Resp: 112886
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4



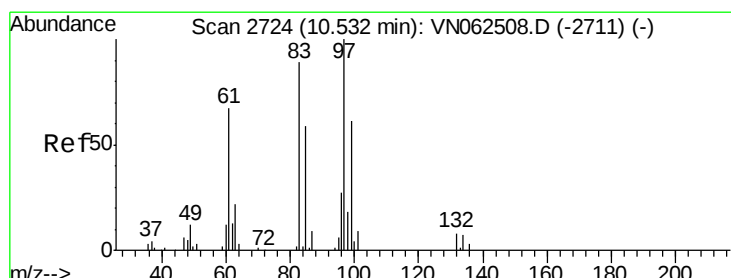
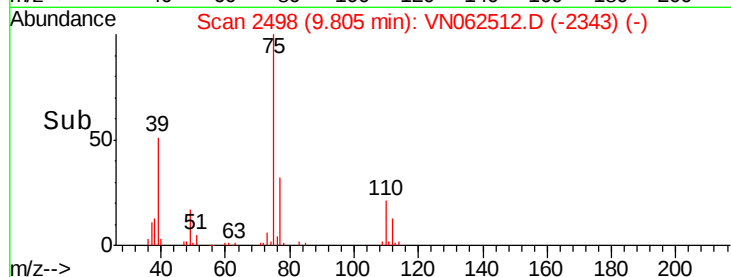
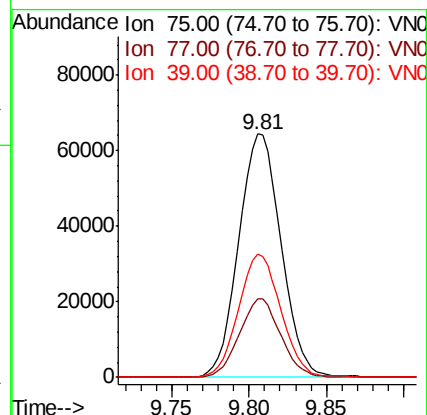
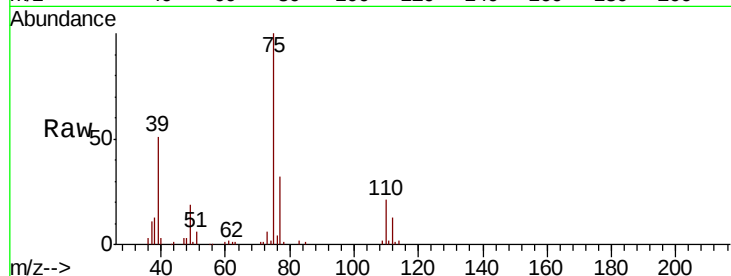


#49

cis-1,3-Dichloropropene
 Concen: 20.132 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

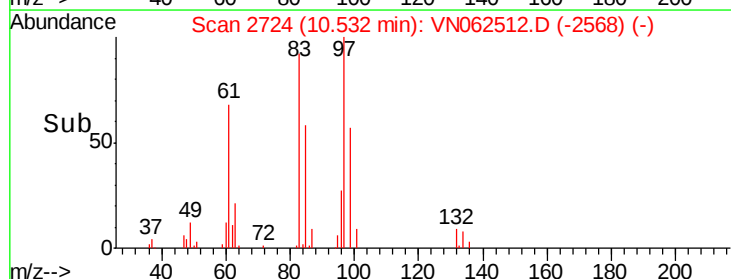
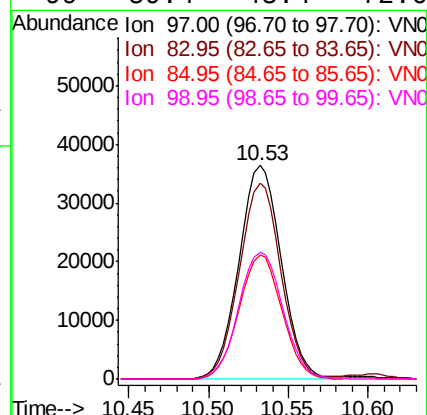
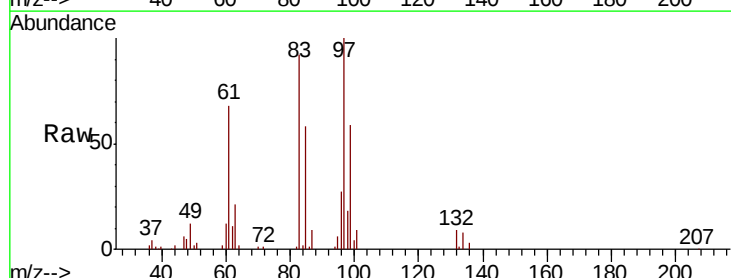
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	23.7	35.5
39	50.7	40.5	60.7

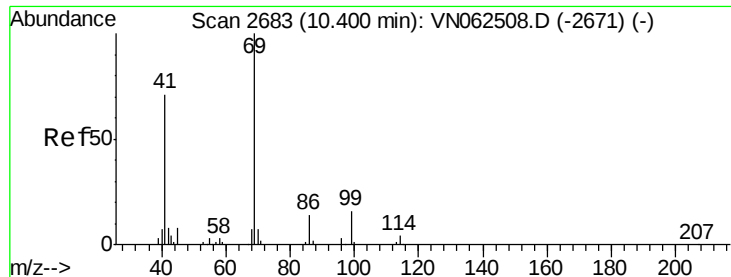


#50

1,1,2-Trichloroethane
 Concen: 20.615 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.3	106.9
85	58.3	47.2	70.8
99	59.4	48.4	72.6





#51

Ethyl methacrylate

Concen: 20.314 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

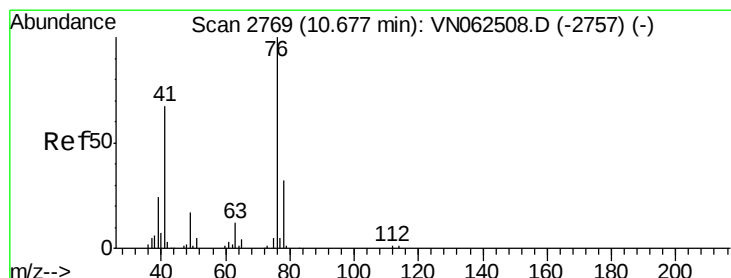
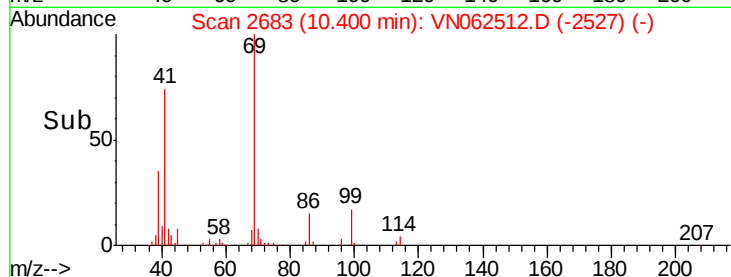
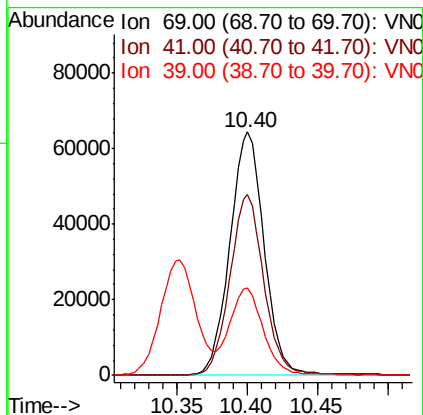
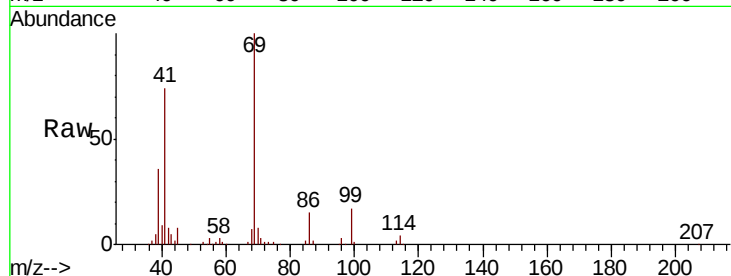
Tot Ion: 69 Resp: 109473

Ion Ratio Lower Upper

69 100

41 73.9 35.6 106.8

39 35.3 17.2 51.5



#52

1,3-Dichloropropane

Concen: 20.480 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN062512.D

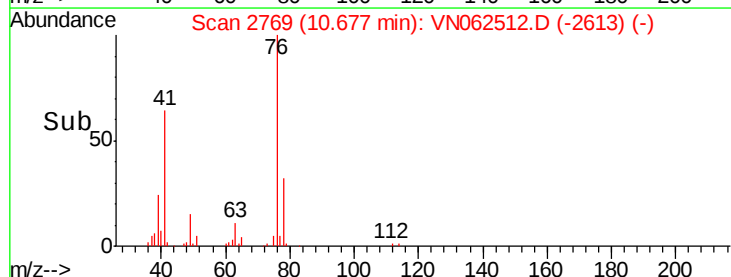
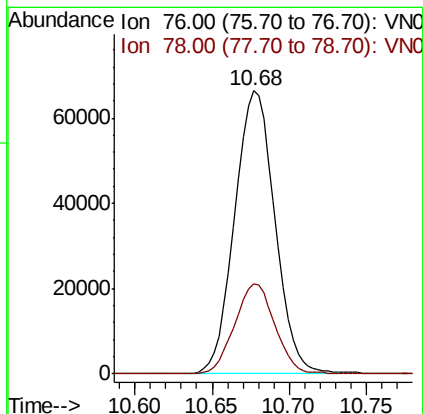
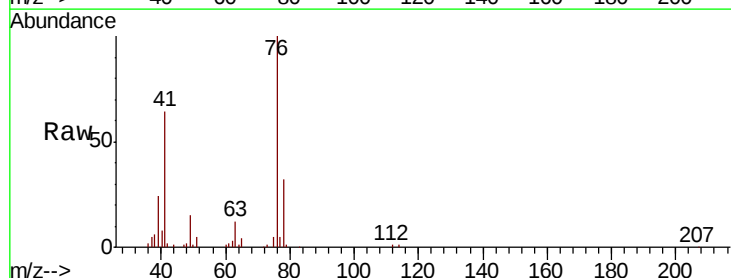
Acq: 13 Jul 2020 12:48

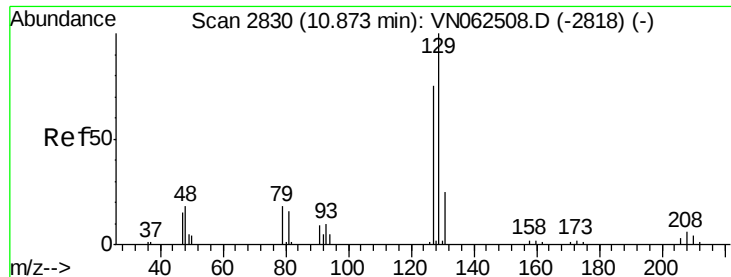
Tgt Ion: 76 Resp: 120311

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.6





#53

Dibromochloromethane

Concen: 20.245 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

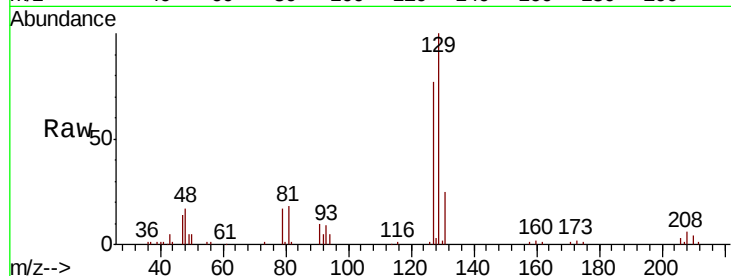
ICVVN071320

Tot Ion:129 Resp: 70601

Ion Ratio Lower Upper

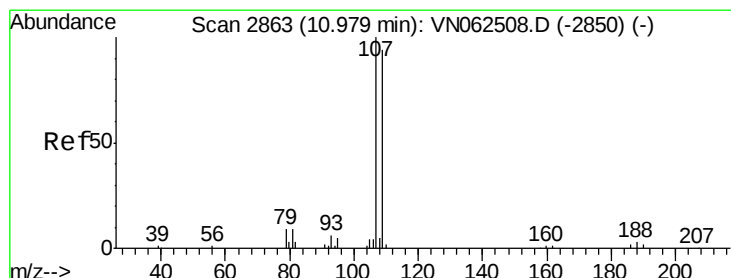
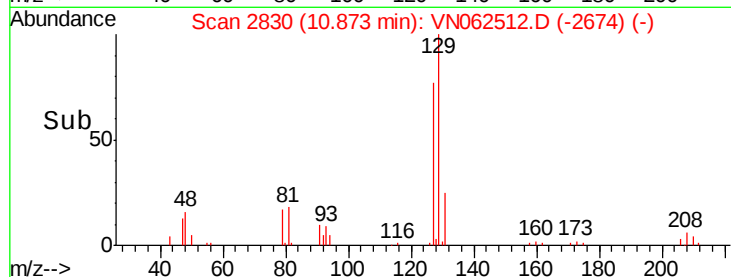
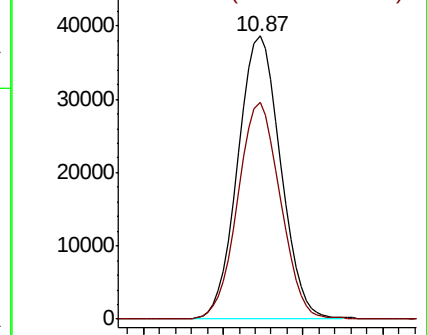
129 100

127 76.1 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.024 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062512.D

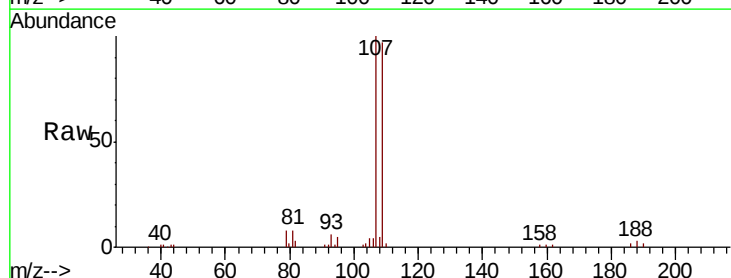
Acq: 13 Jul 2020 12:48

Tgt Ion:107 Resp: 65603

Ion Ratio Lower Upper

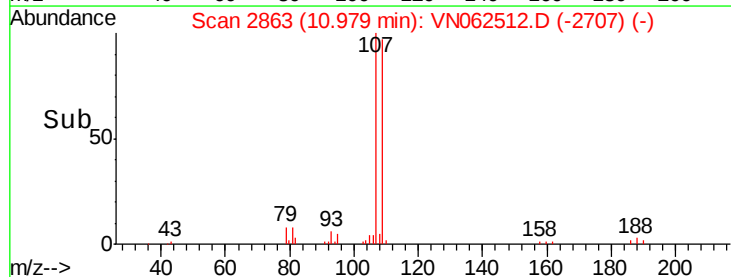
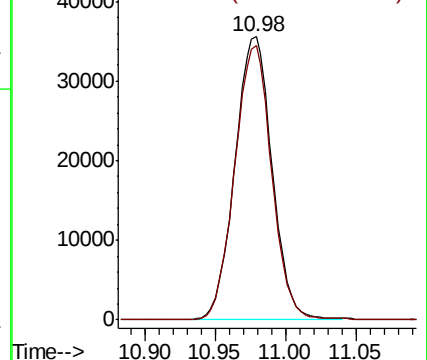
107 100

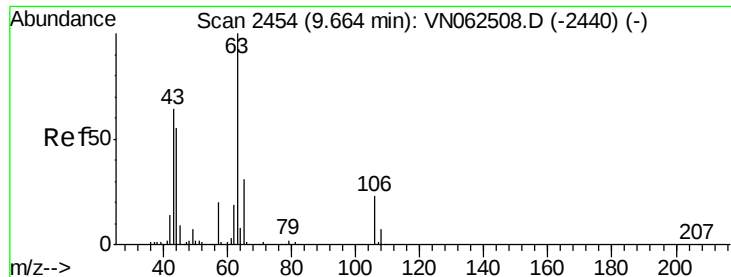
109 96.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 87.657 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

ICVVN071320

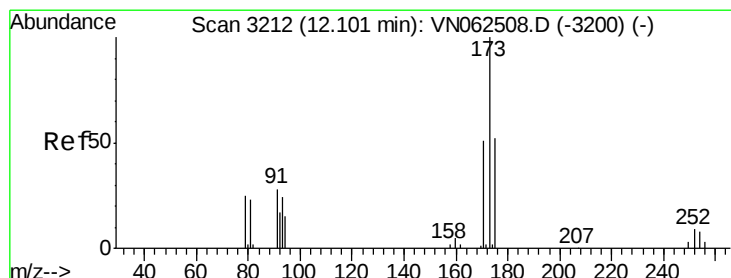
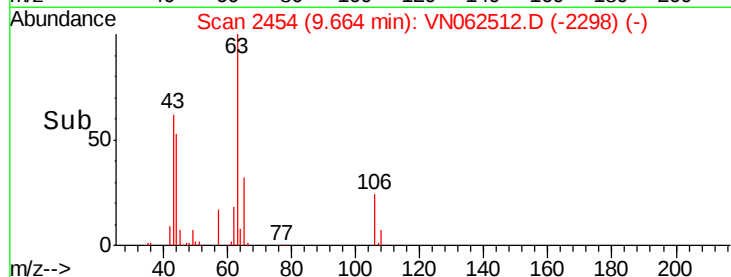
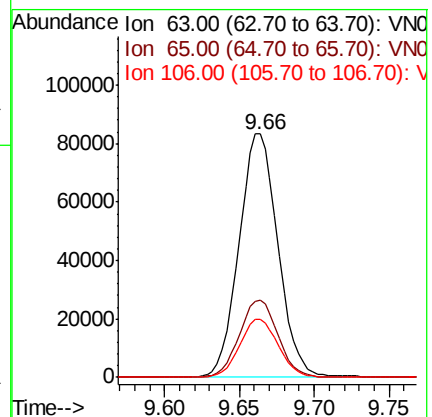
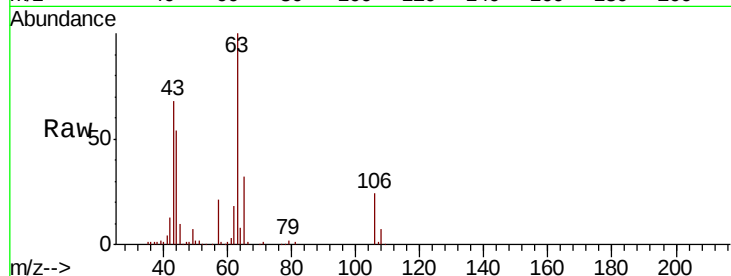
Tot Ion: 63 Resp: 150876

Ion Ratio Lower Upper

63 100

65 31.5 25.4 38.2

106 23.8 18.4 27.6



#56

Bromoform

Concen: 19.760 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

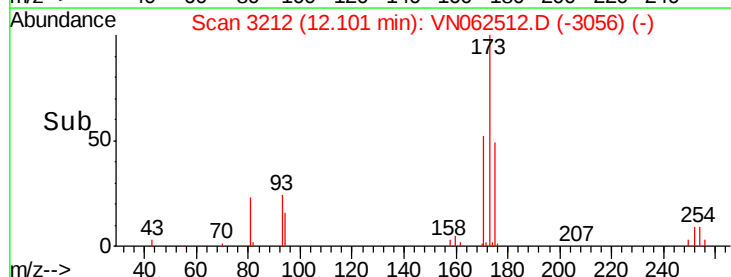
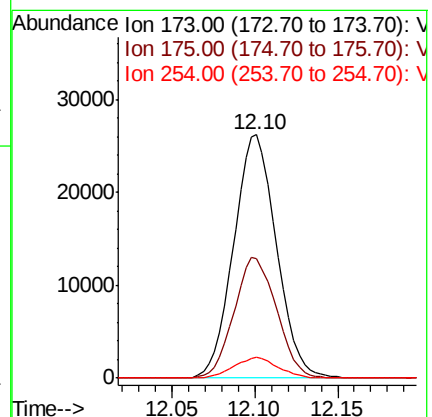
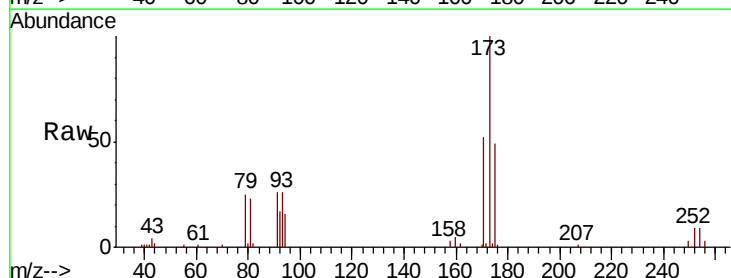
Tgt Ion: 173 Resp: 47066

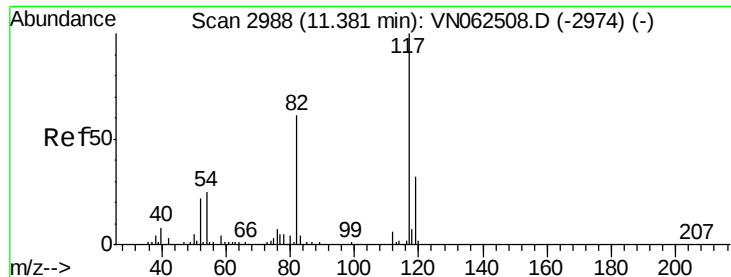
Ion Ratio Lower Upper

173 100

175 49.2 38.1 57.1

254 8.6 6.2 9.2

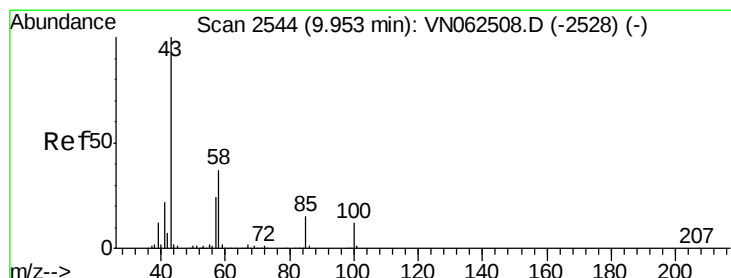
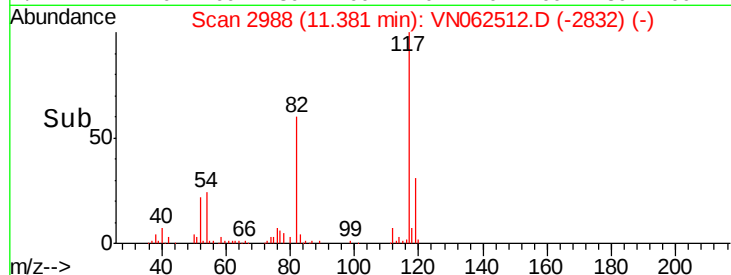
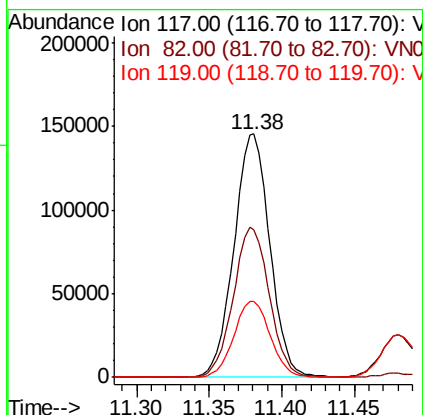
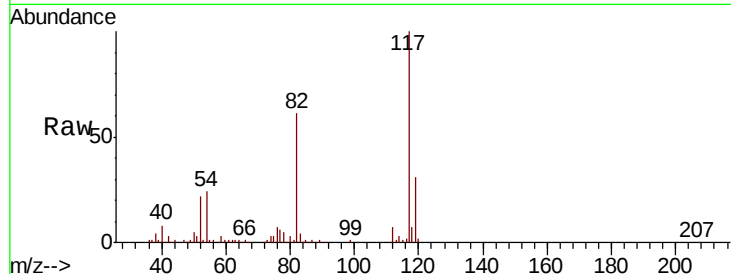




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

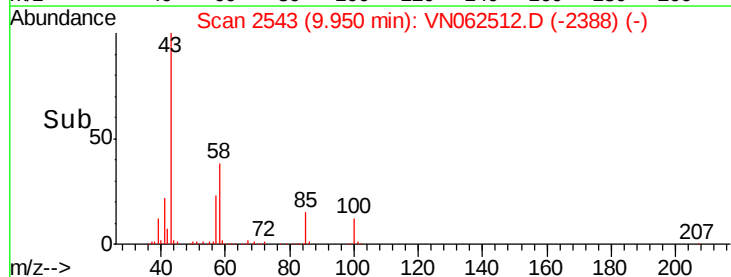
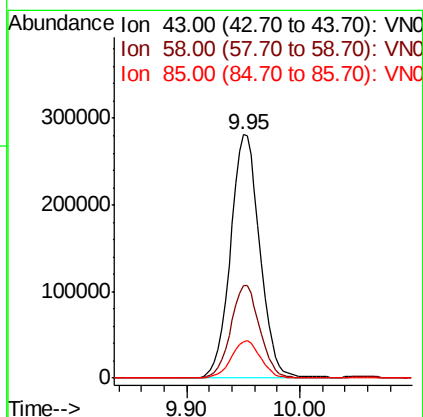
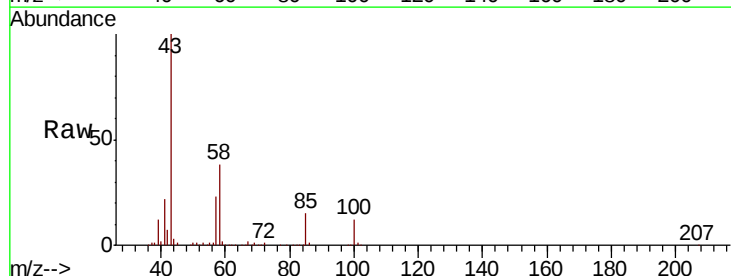
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

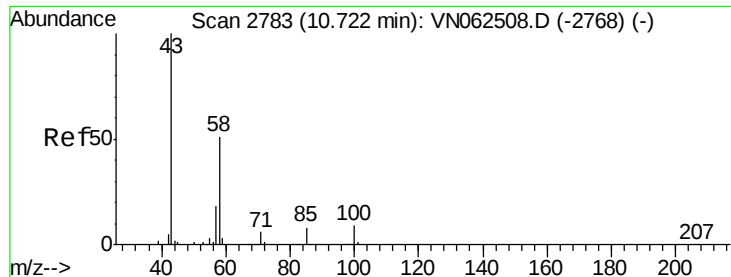
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	49.0	73.6
119	31.6	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 104.312 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.6	44.4
85	15.3	12.0	18.0

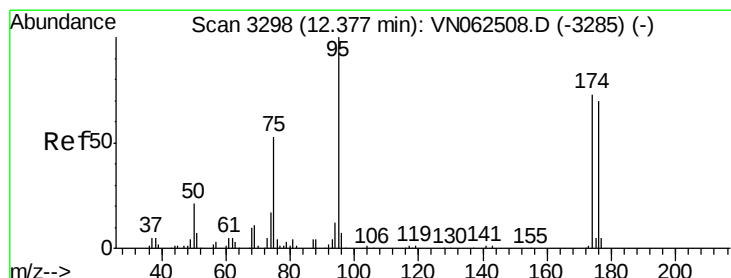
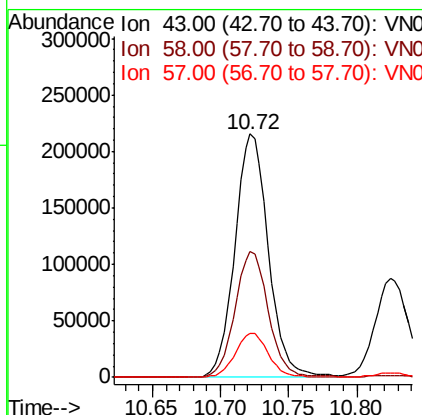
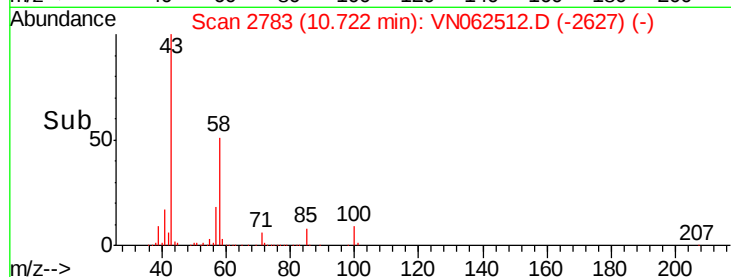
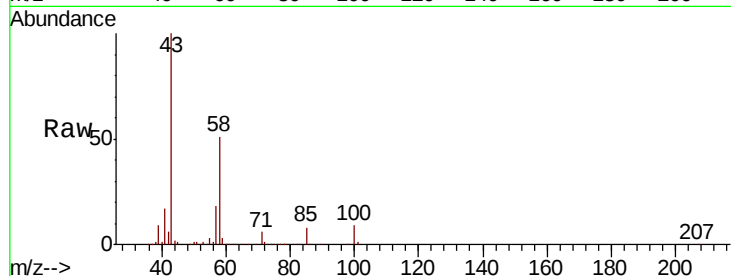




#59
2-Hexanone
Concen: 102.966 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

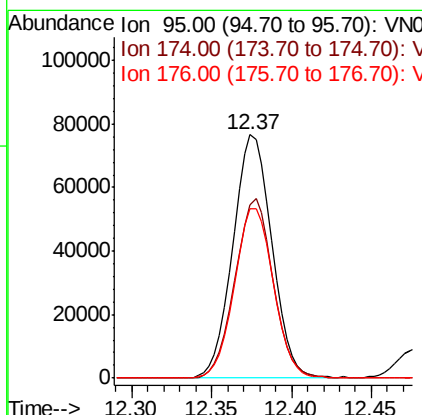
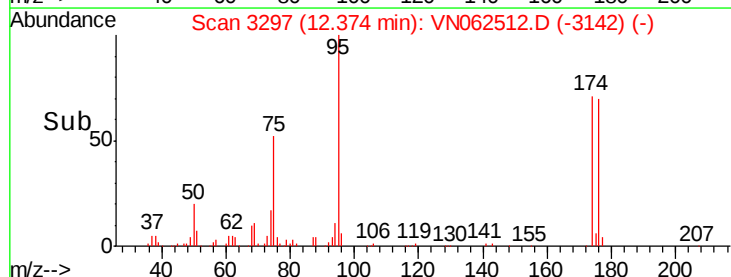
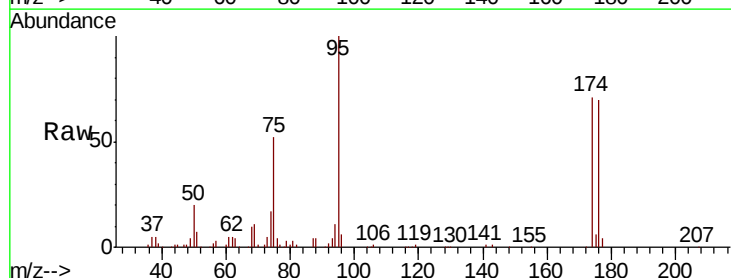
Instrument :
MSVOA_N
ClientSampled :
ICVVN071320

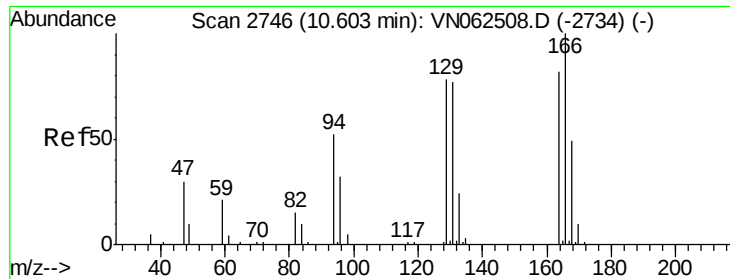
Tot Ion: 43 Resp: 367337
Ion Ratio Lower Upper
43 100
58 51.5 41.2 61.8
57 18.2 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.887 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 95 Resp: 126983
Ion Ratio Lower Upper
95 100
174 72.1 57.5 86.3
176 69.9 56.3 84.5





#61

Tetrachloroethene

Concen: 21.178 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

Tot Ion:164 Resp: 54148

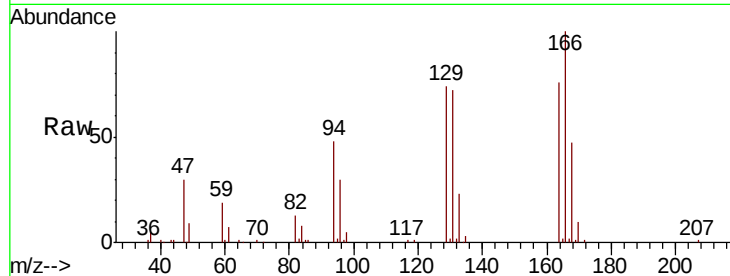
Ion Ratio Lower Upper

164 100

166 131.5 97.7 146.5

129 97.7 77.0 115.4

131 95.1 75.0 112.6

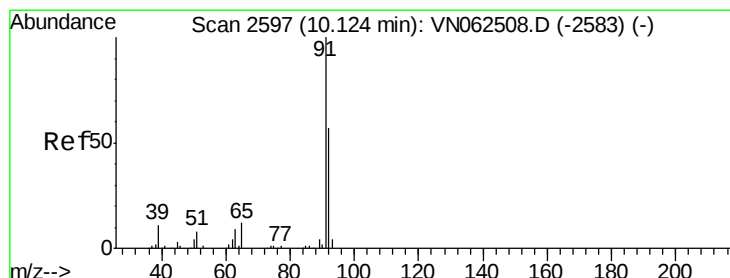
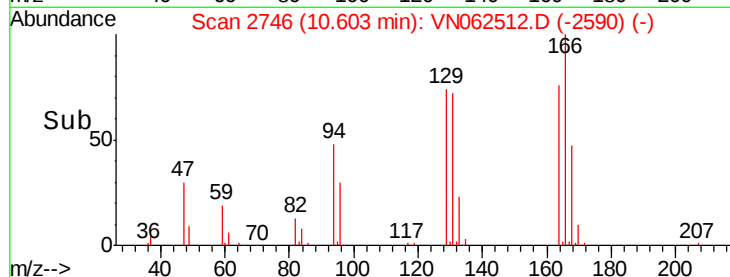
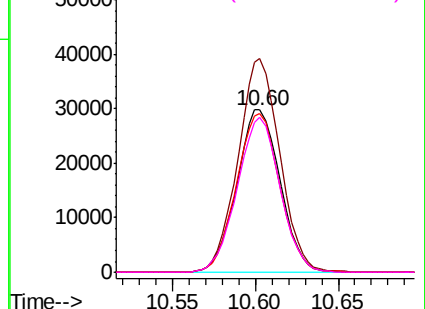


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.002 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062512.D

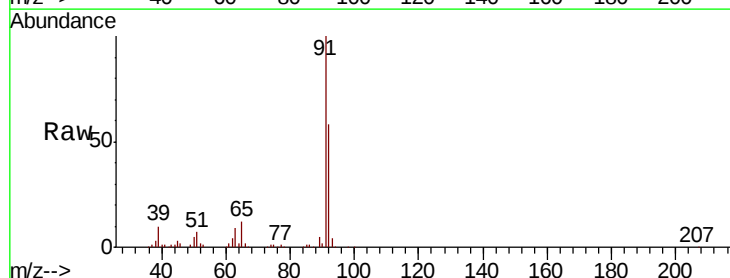
Acq: 13 Jul 2020 12:48

Tgt Ion: 91 Resp: 297474

Ion Ratio Lower Upper

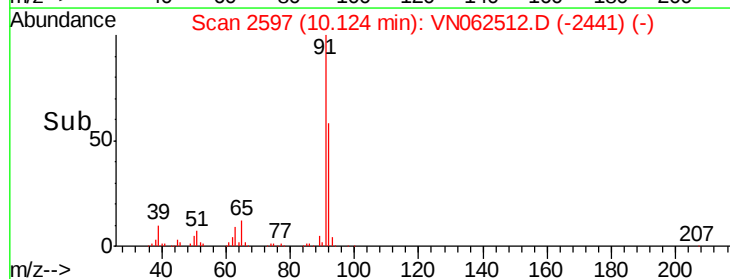
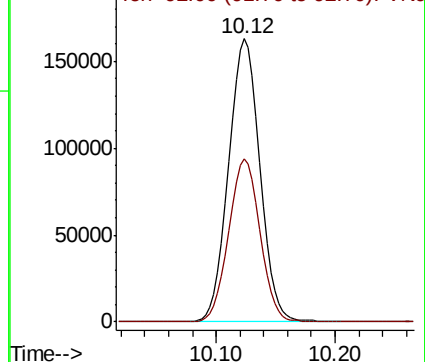
91 100

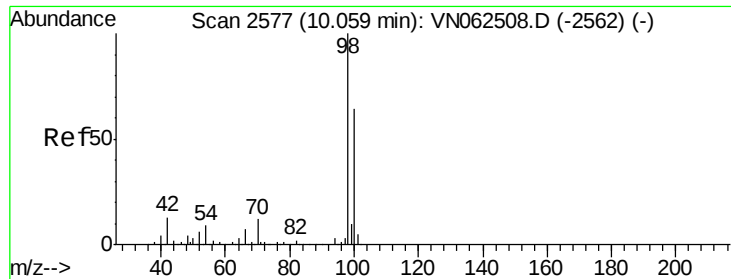
92 57.7 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.287 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

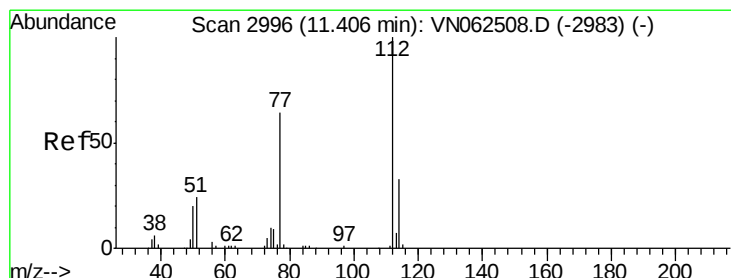
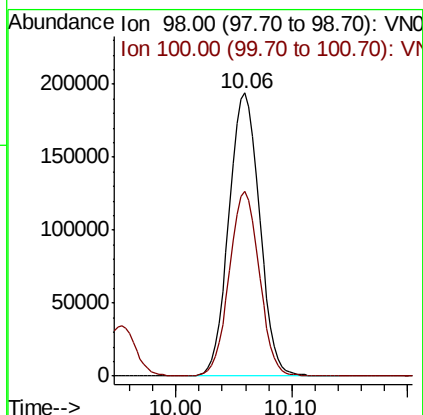
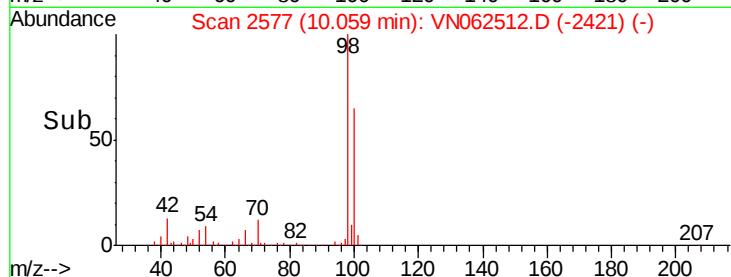
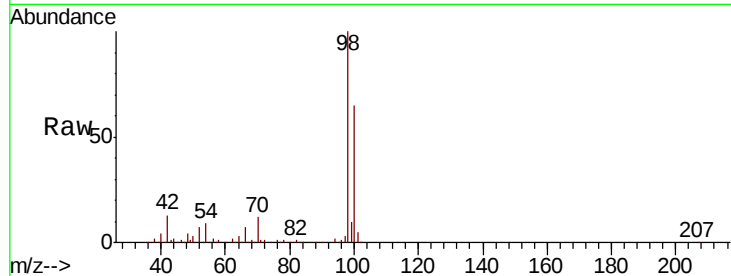
ICVVN071320

Tot Ion: 98 Resp: 357321

Ion Ratio Lower Upper

98 100

100 63.4 50.4 75.6



#64

Chlorobenzene

Concen: 20.901 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062512.D

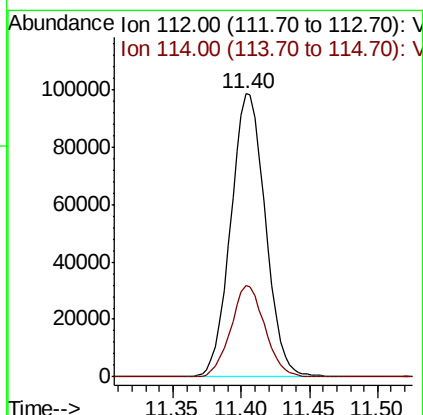
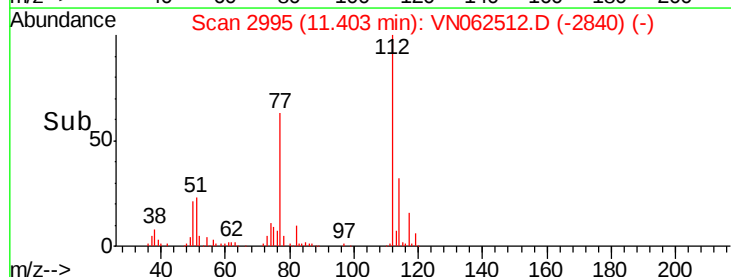
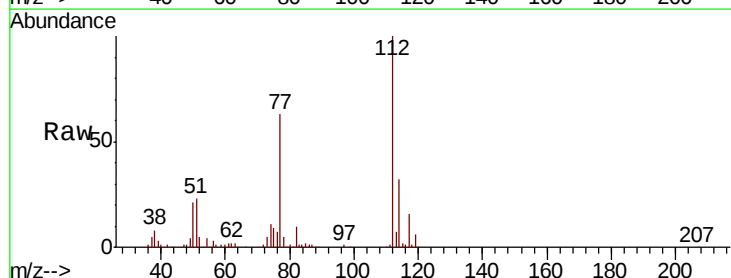
Acq: 13 Jul 2020 12:48

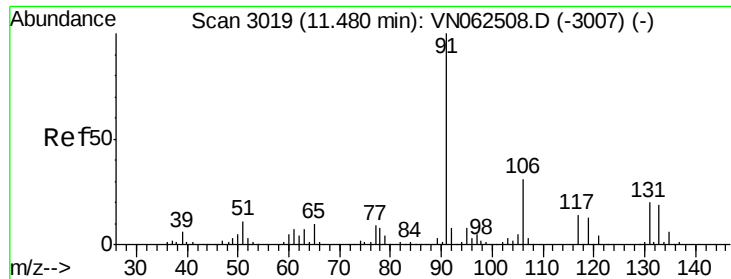
Tgt Ion: 112 Resp: 173960

Ion Ratio Lower Upper

112 100

114 32.5 26.0 39.0

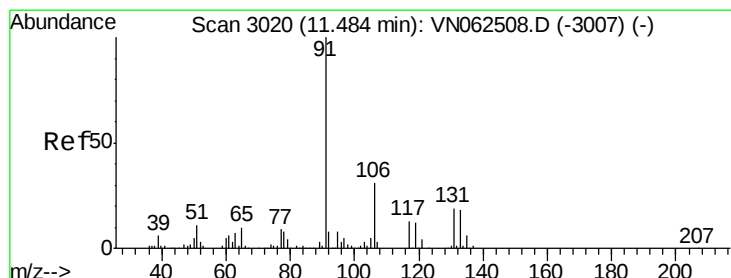
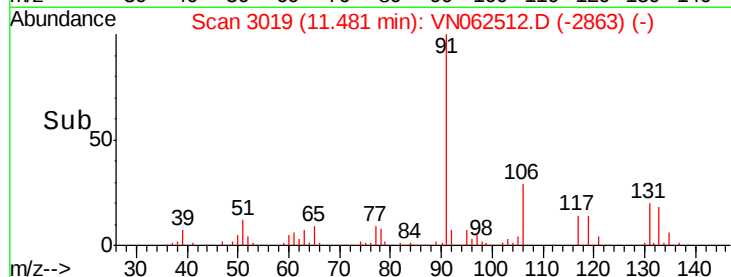
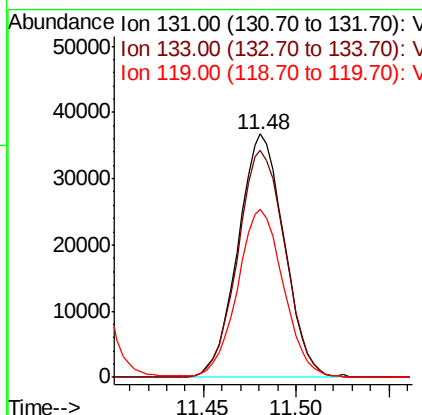
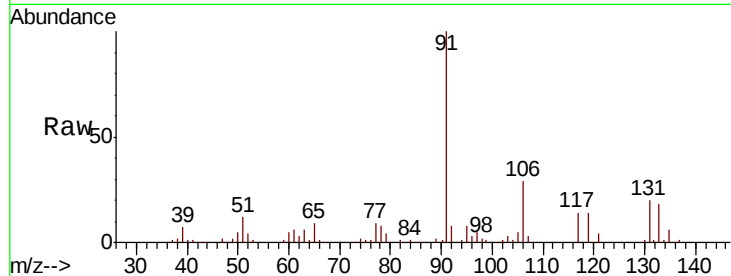




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.615 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

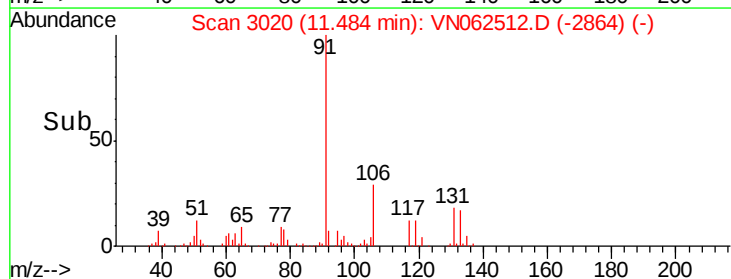
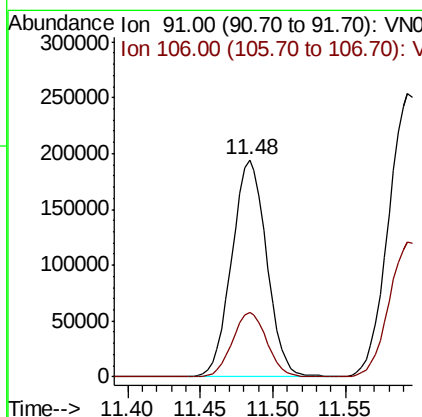
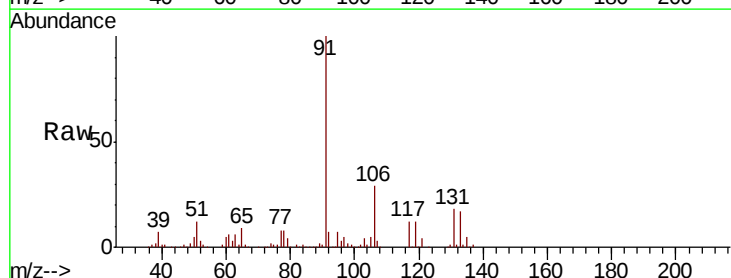
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

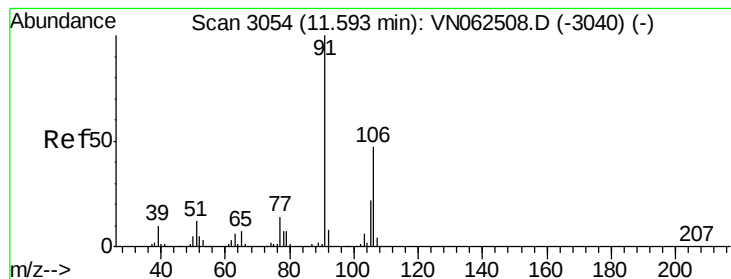
Tot Ion:131 Resp: 63509
 Ion Ratio Lower Upper
 131 100
 133 95.9 0.0 191.4
 119 68.9 0.0 136.2



#66
 Ethyl Benzene
 Concen: 20.699 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion: 91 Resp: 324658
 Ion Ratio Lower Upper
 91 100
 106 29.5 24.6 36.8





#67

m/p-Xylenes

Concen: 41.431 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

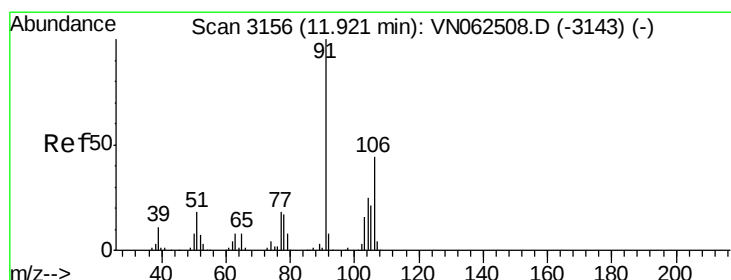
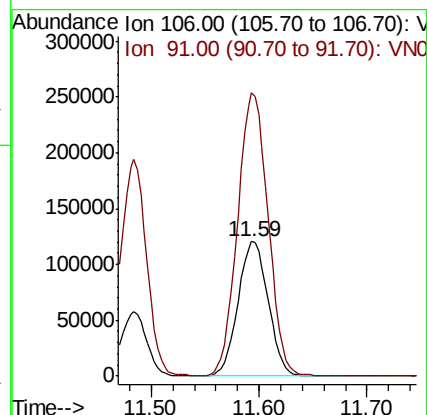
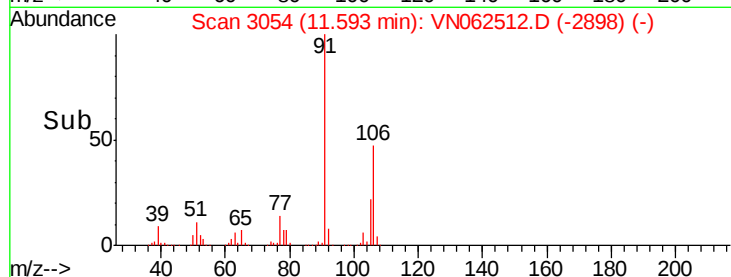
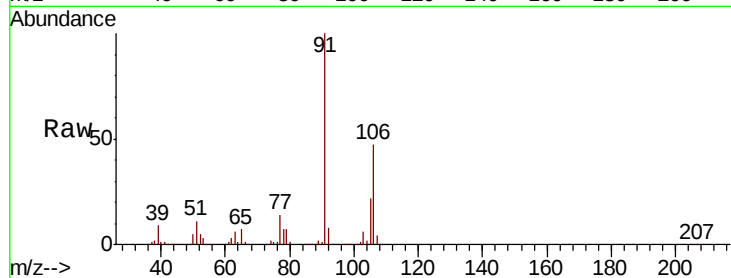
ICVVN071320

Tot Ion:106 Resp: 235871

Ion Ratio Lower Upper

106 100

91 211.3 170.7 256.1



#68

o-Xylene

Concen: 20.630 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062512.D

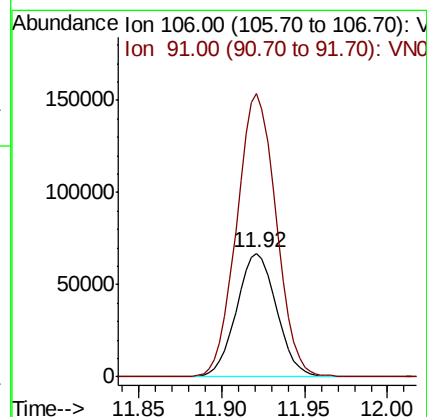
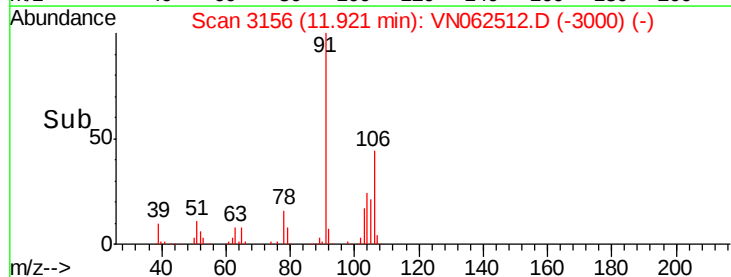
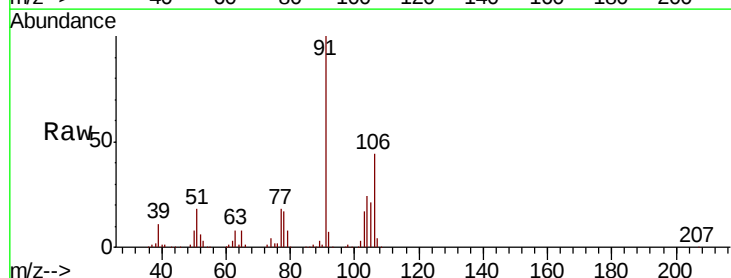
Acq: 13 Jul 2020 12:48

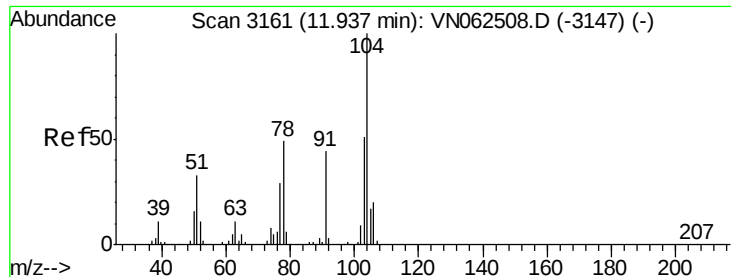
Tgt Ion:106 Resp: 112711

Ion Ratio Lower Upper

106 100

91 226.5 113.9 341.6

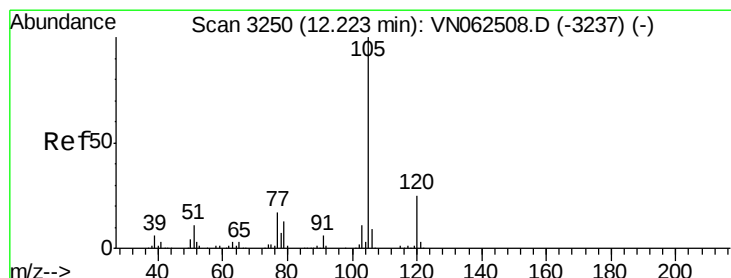
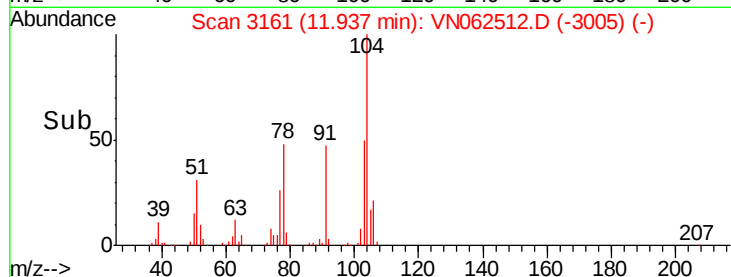
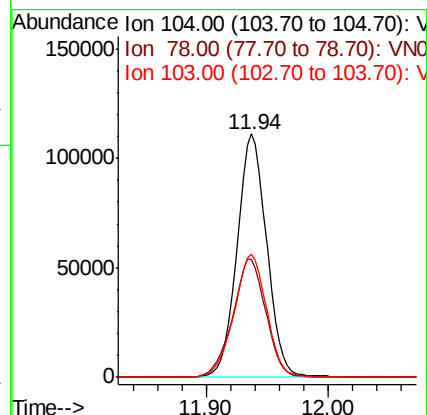
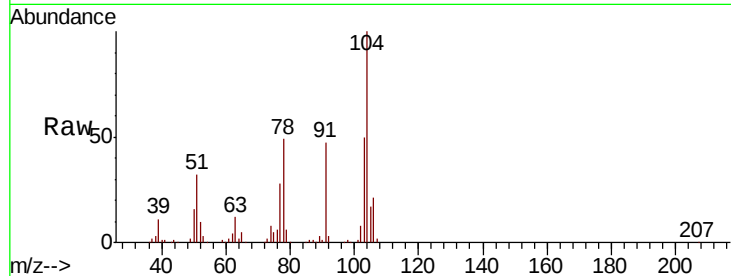




#69
Stvrene
Concen: 20.297 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

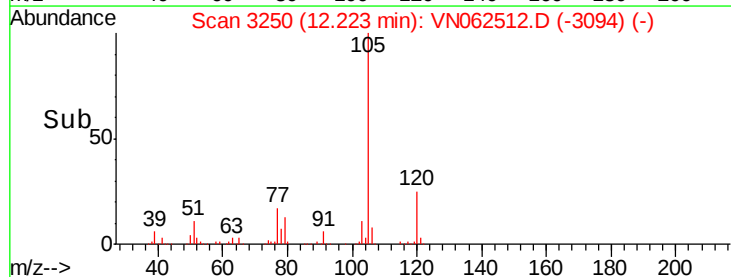
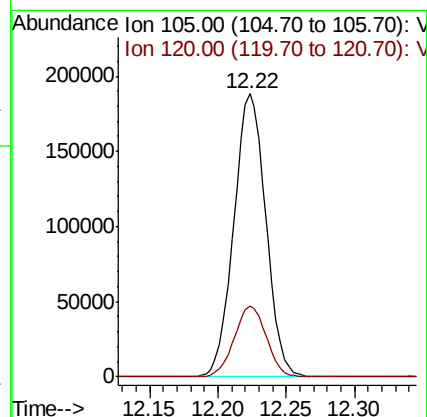
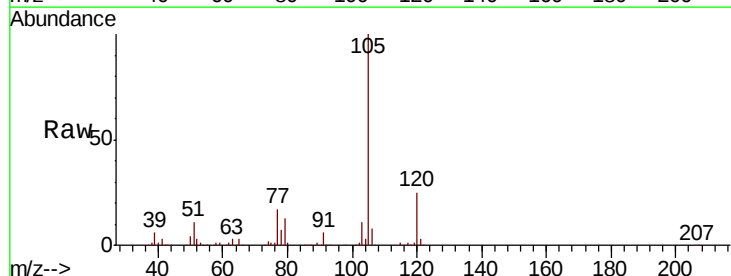
Instrument :
MSVOA_N
ClientSampled :
ICVVN071320

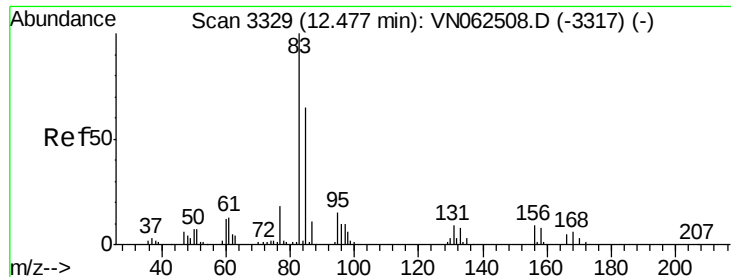
Tot Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	54.4	43.9	65.9
103	103	55.3	43.8	65.6



#70
Isopropylbenzene
Concen: 20.931 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	25.1	17.6	32.8

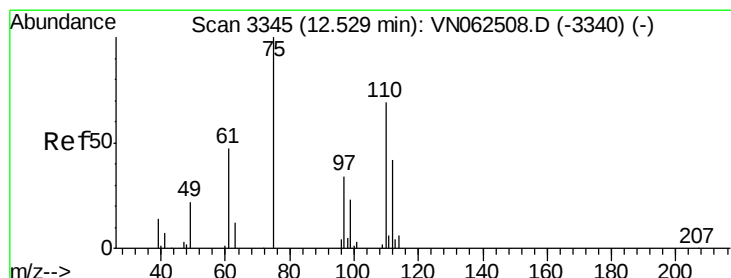
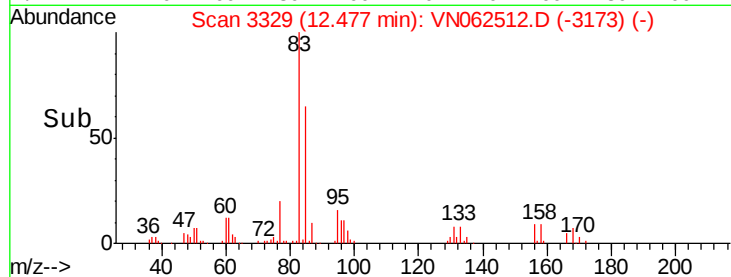
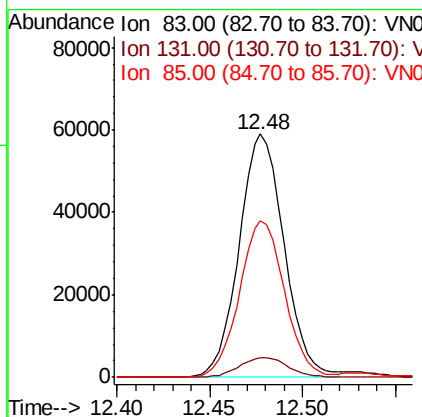
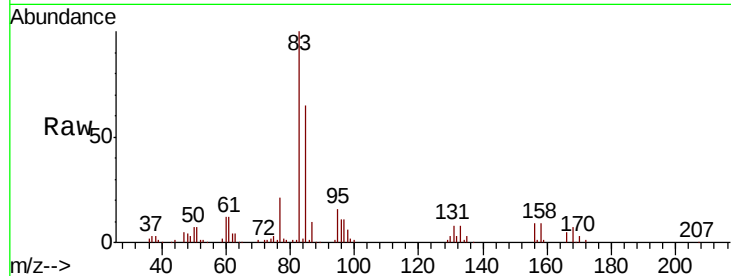




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.047 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

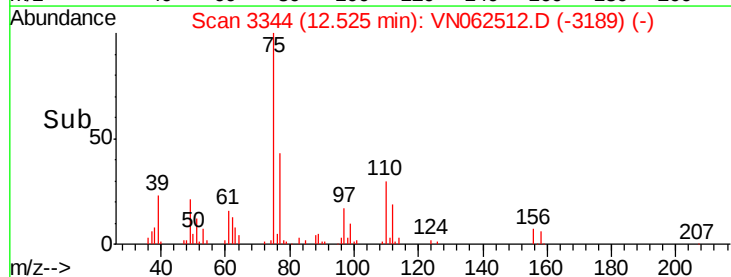
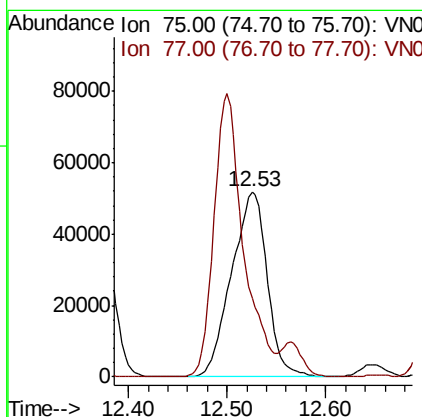
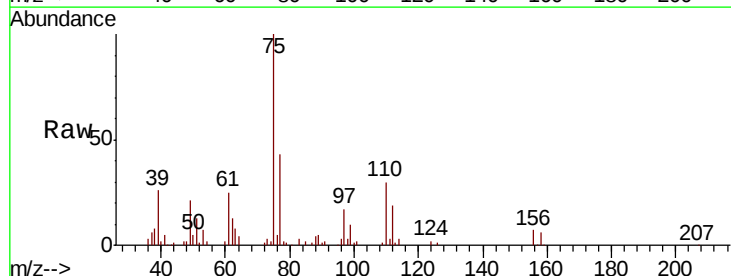
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

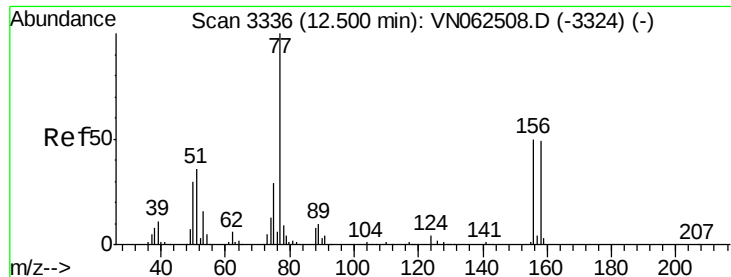
Tot Ion	83	Resp	99764
Ion Ratio	100	Lower	Upper
83	100		
131	8.7	4.5	13.7
85	64.6	32.5	97.4



#72
 1,2,3-Trichloropropane
 Concen: 28.299 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion	75	Resp	130479
Ion Ratio	100	Lower	Upper
75	100		
77	127.8	0.0	376.2





#73

Bromobenzene

Concen: 20.661 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

ICVVN071320

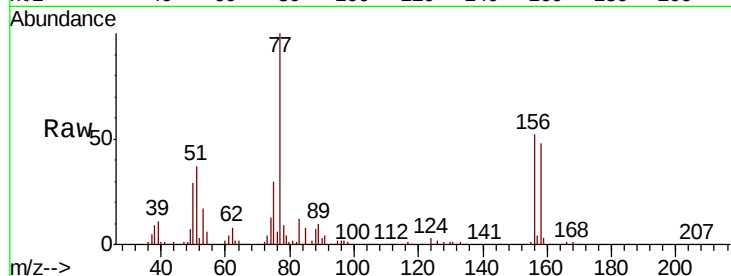
Tot Ion:156 Resp: 70178

Ion Ratio Lower Upper

156 100

77 237.6 0.0 485.0

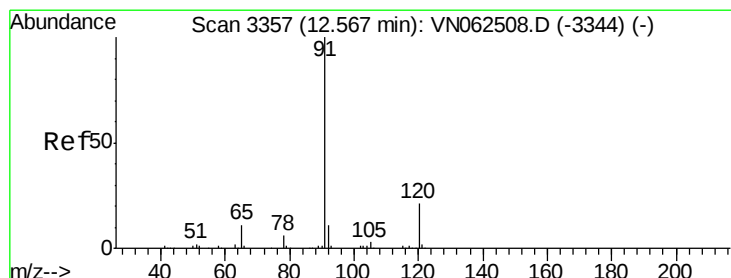
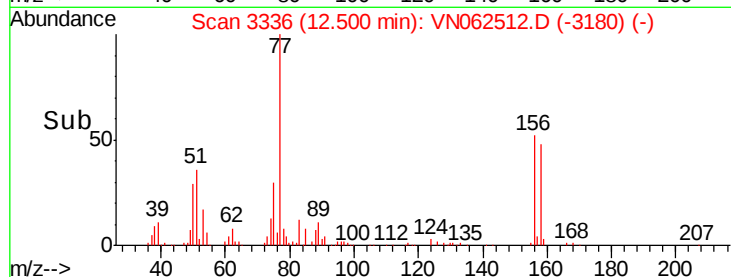
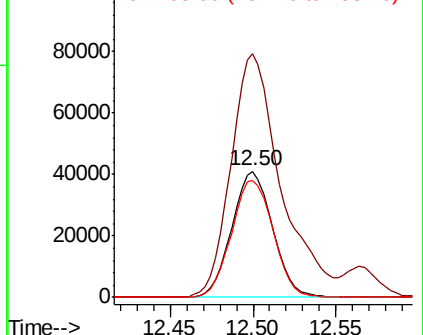
158 94.9 0.0 192.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.504 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062512.D

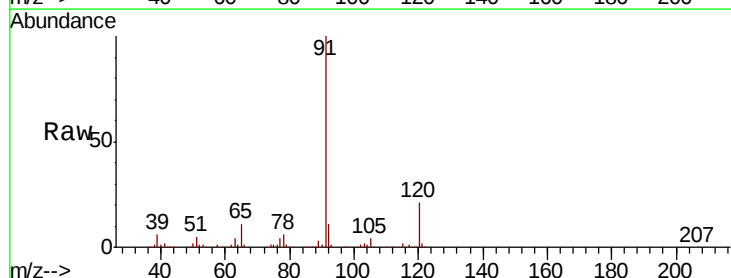
Acq: 13 Jul 2020 12:48

Tgt Ion: 91 Resp: 357456

Ion Ratio Lower Upper

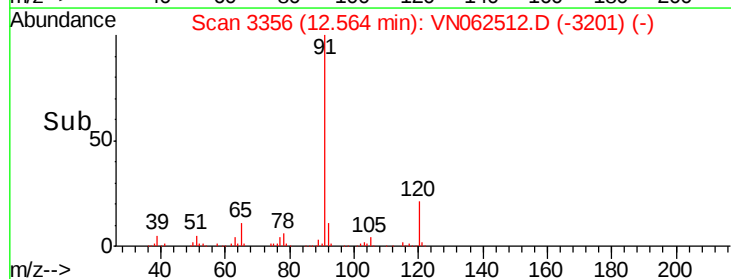
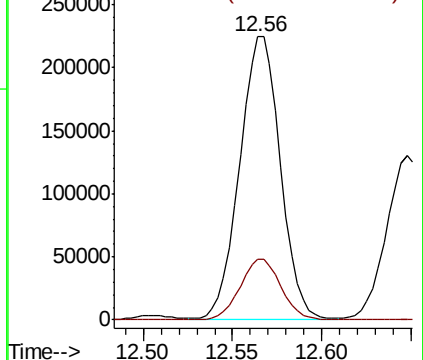
91 100

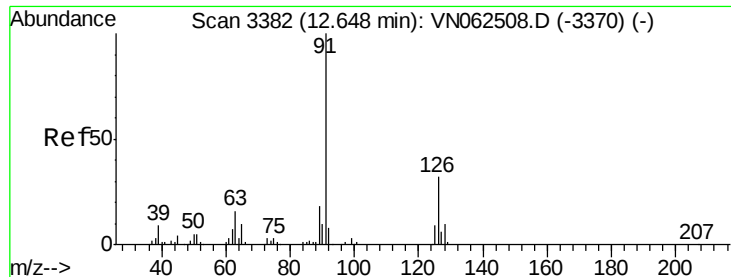
120 21.4 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.535 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

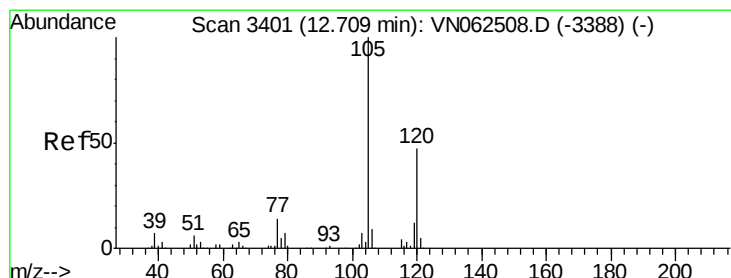
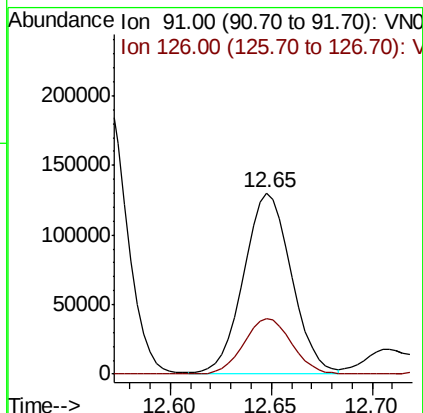
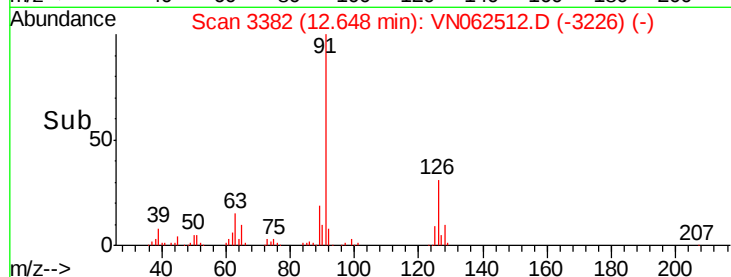
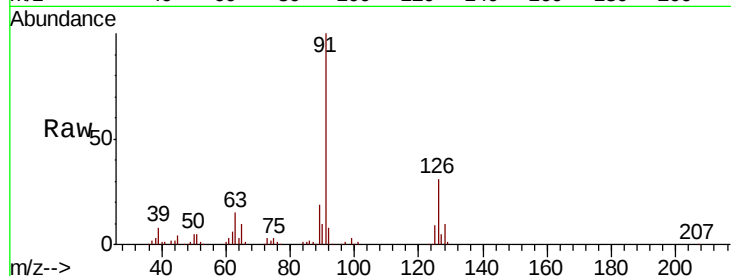
ICVVN071320

Tot Ion: 91 Resp: 215544

Ion Ratio Lower Upper

91 100

126 30.9 0.0 62.2



#76

1,3,5-Trimethylbenzene

Concen: 20.265 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062512.D

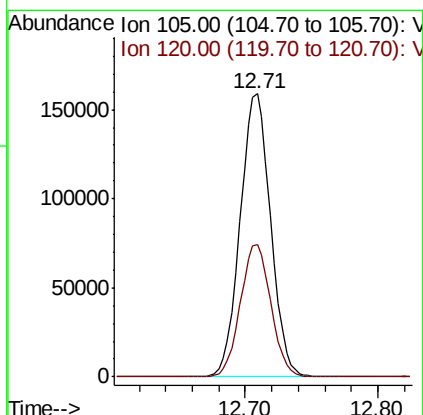
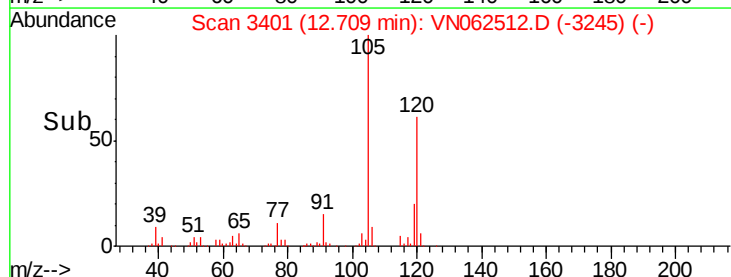
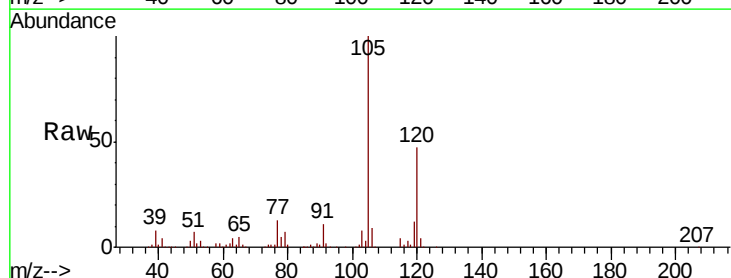
Acq: 13 Jul 2020 12:48

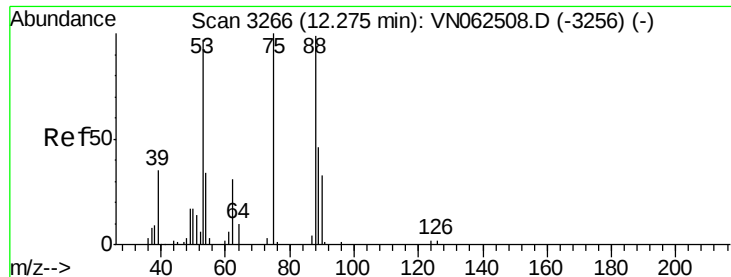
Tgt Ion: 105 Resp: 253241

Ion Ratio Lower Upper

105 100

120 46.9 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.683 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062512.D

Acq: 13 Jul 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071320

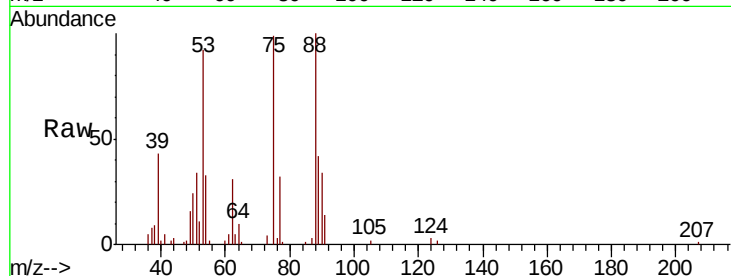
Tot Ion: 75 Resp: 33941

Ion Ratio Lower Upper

75 100

53 92.0 48.3 144.8

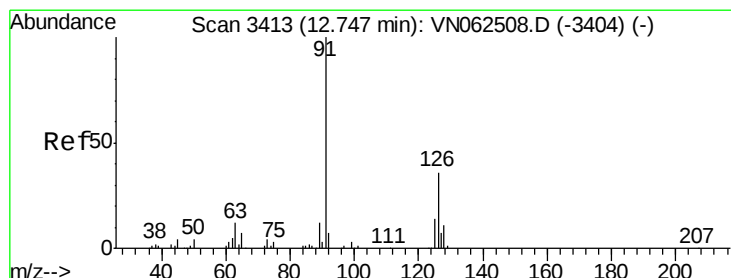
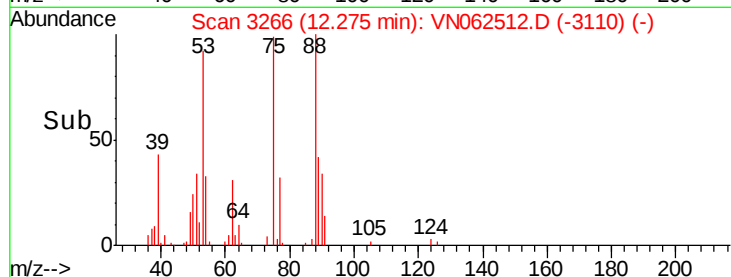
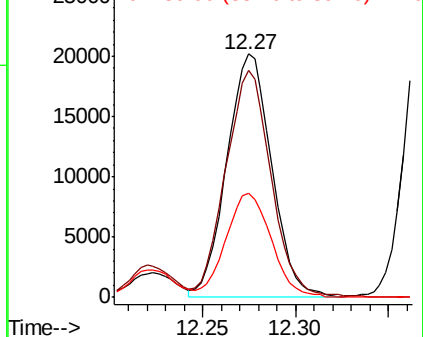
89 42.7 23.3 69.8



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: 20.175 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062512.D

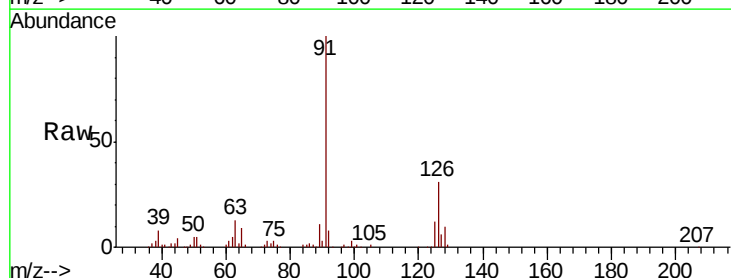
Acq: 13 Jul 2020 12:48

Tgt Ion: 91 Resp: 216085

Ion Ratio Lower Upper

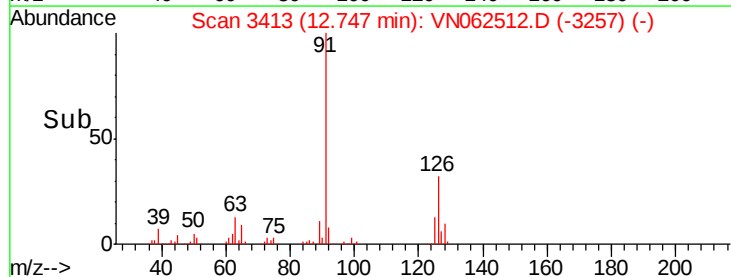
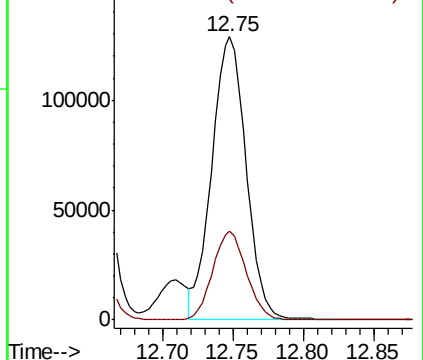
91 100

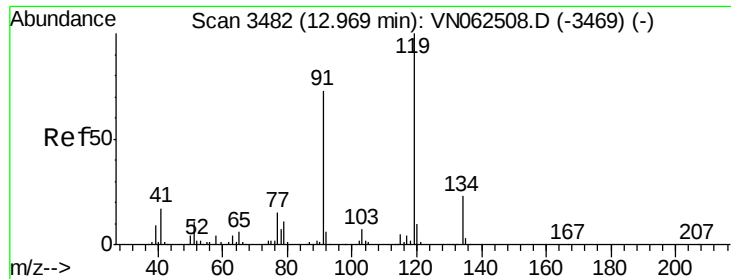
126 31.0 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

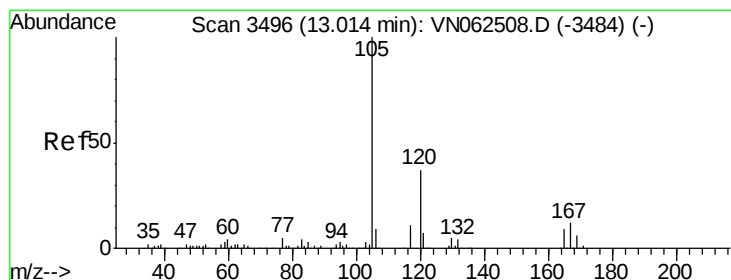
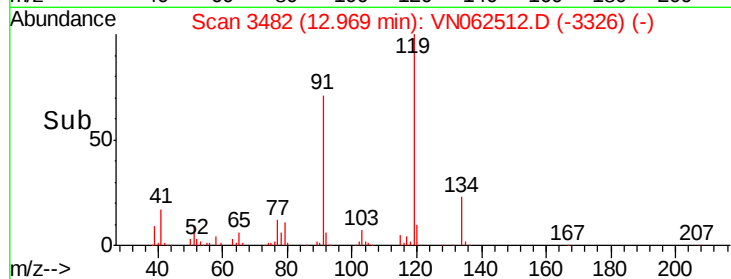
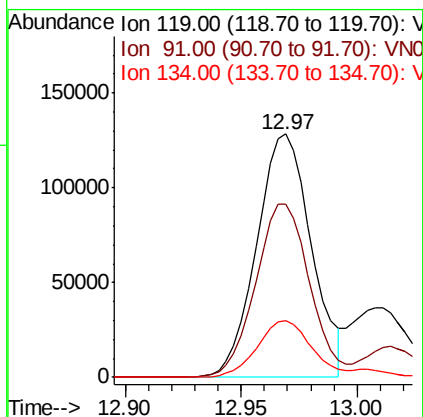
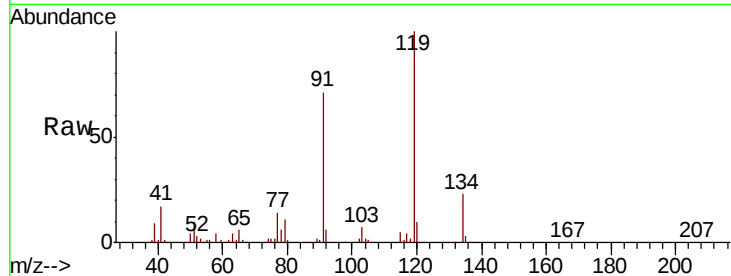




#79
tert-butylbenzene
Concen: 20.423 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

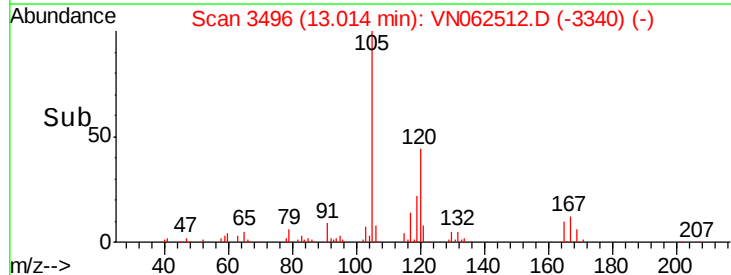
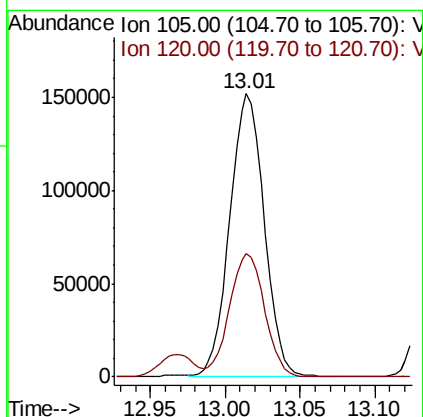
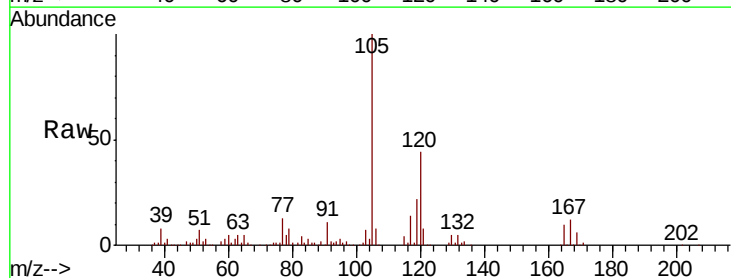
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

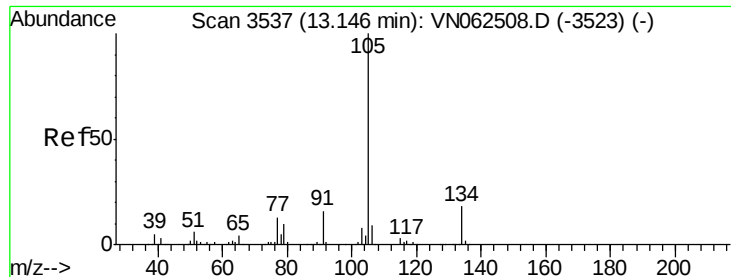
Tot Ion:119 Resp: 211337
Ion Ratio Lower Upper
119 100
91 70.3 0.0 139.8
134 23.0 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 19.842 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion:105 Resp: 243868
Ion Ratio Lower Upper
105 100
120 44.4 0.0 86.6

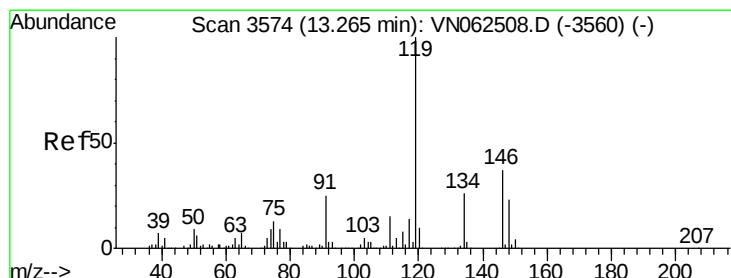
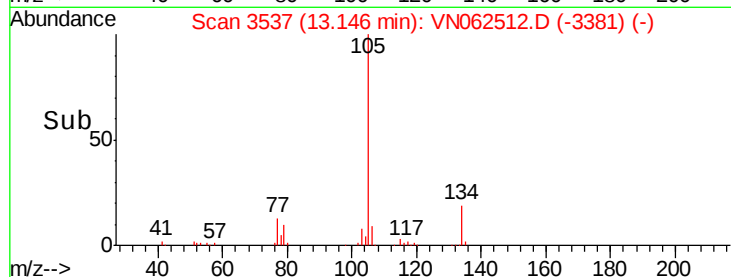
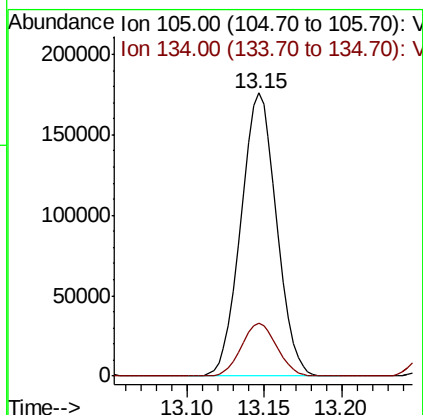
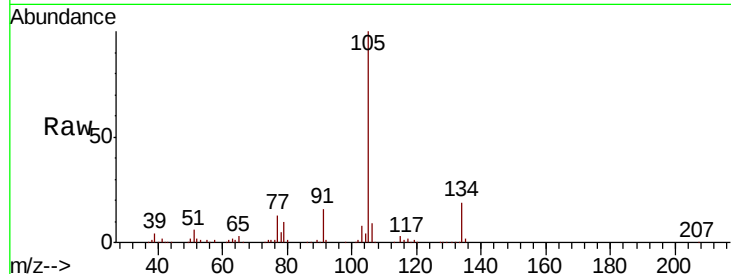




#81
 sec-Butylbenzene
 Concen: 20.252 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

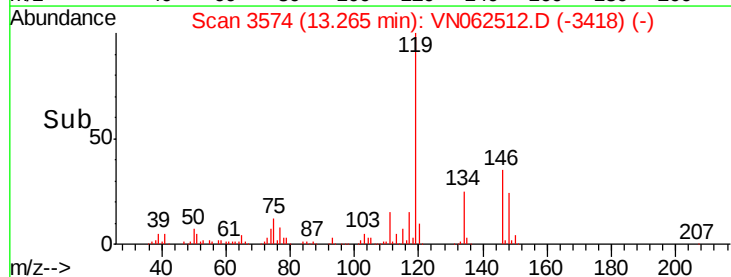
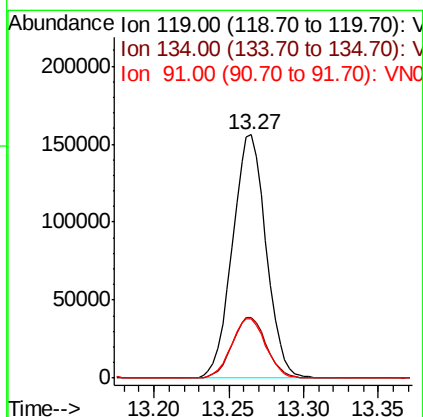
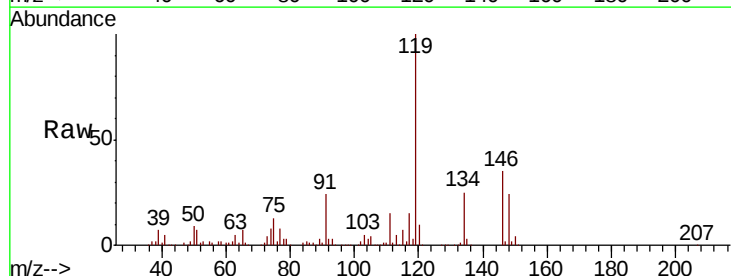
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

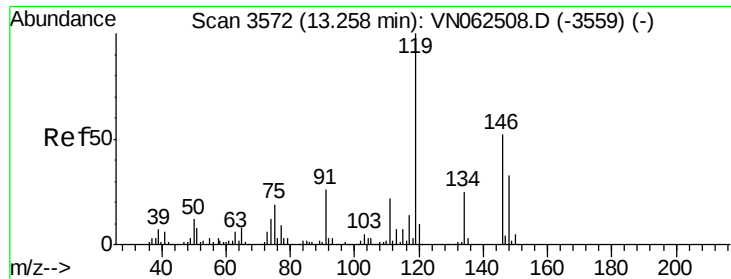
Tot Ion:105 Resp: 281438
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 37.2



#82
 p-Isopropyltoluene
 Concen: 19.918 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion:119 Resp: 244262
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 50.8
 91 24.9 0.0 51.2

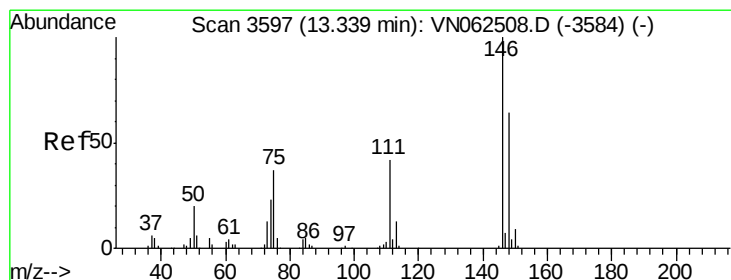
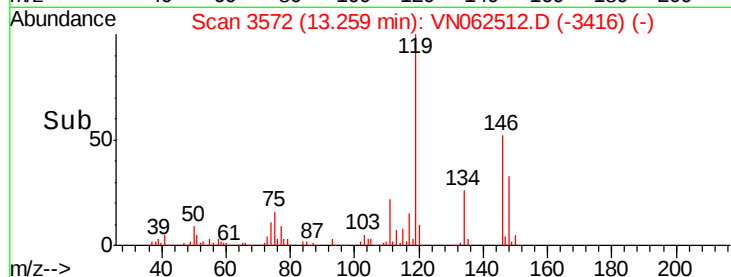
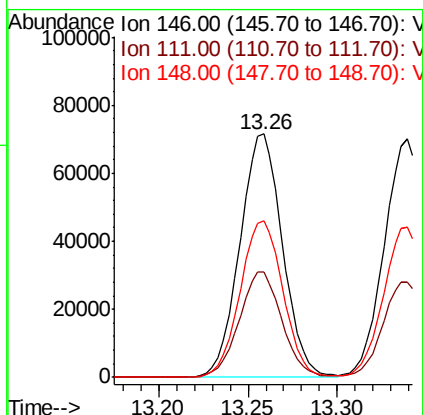
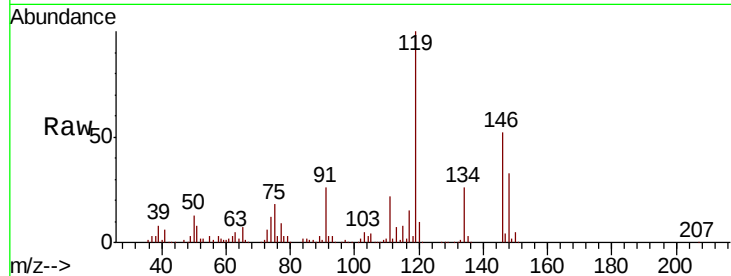




#83
 1,3-Dichlorobenzene
 Concen: 20.216 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

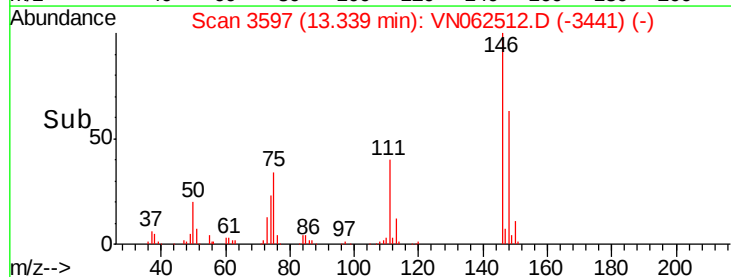
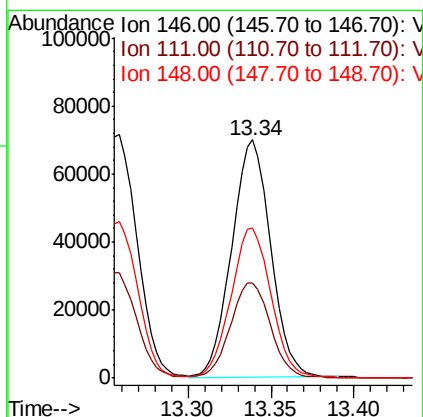
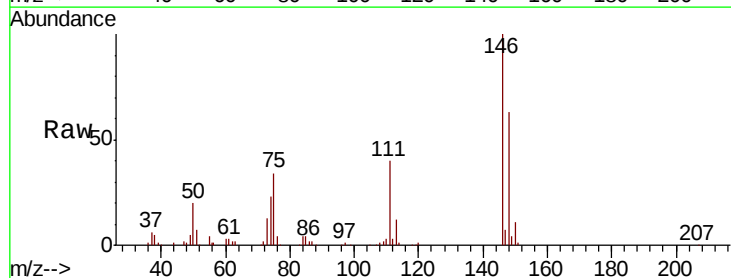
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071320

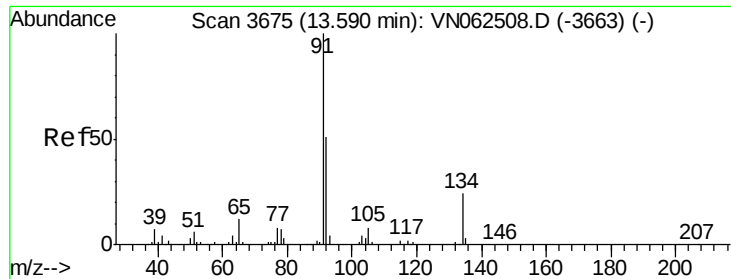
Tot Ion:146 Resp: 119253
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.0 63.0
 148 64.6 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.653 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion:146 Resp: 114395
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.4 64.2
 148 65.1 32.4 97.2

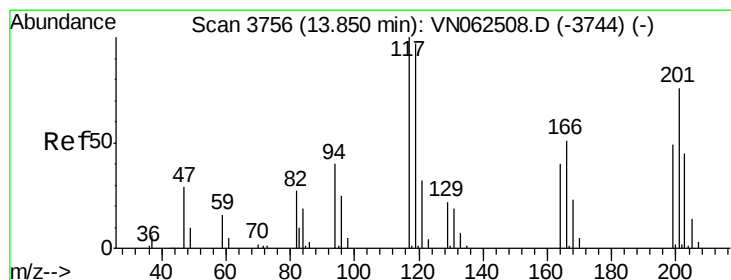
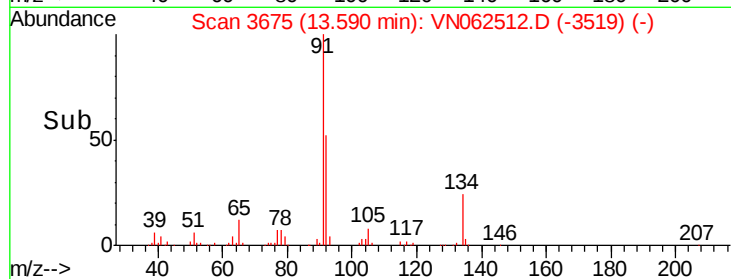
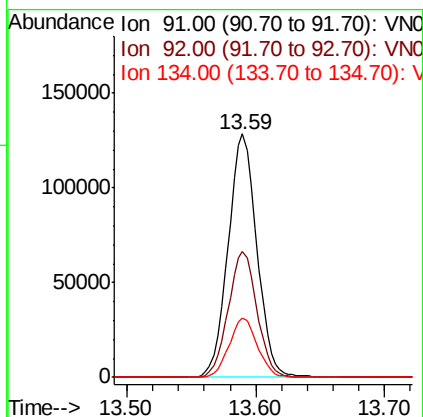
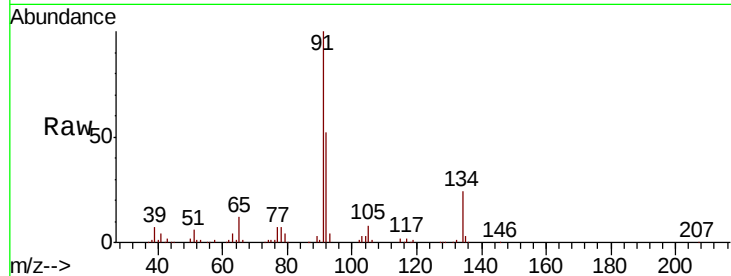




#85
n-Butylbenzene
Concen: 18.903 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

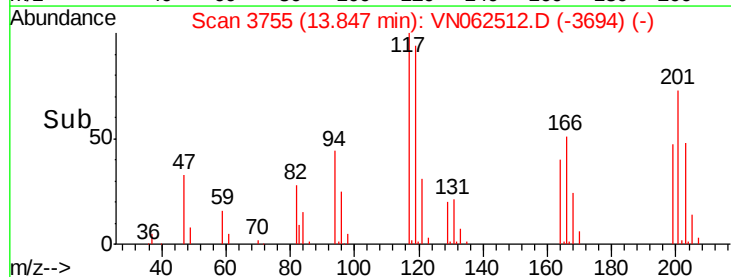
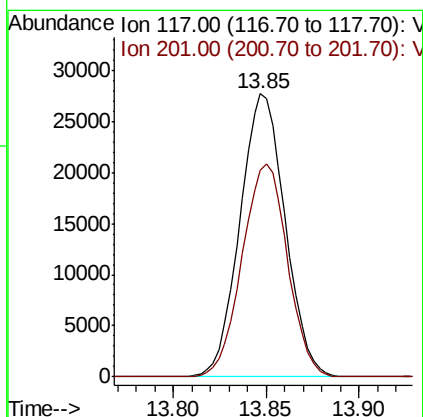
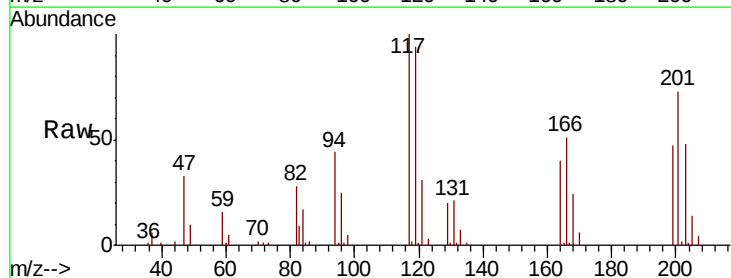
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071320

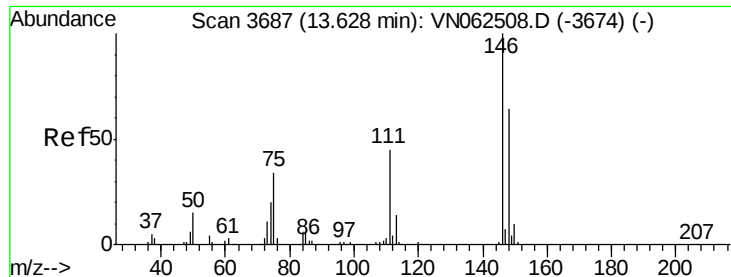
Tot Ion: 91 Resp: 198854
Ion Ratio Lower Upper
91 100
92 51.7 0.0 102.4
134 24.2 0.0 46.6



#86
Hexachloroethane
Concen: 19.869 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion: 117 Resp: 47018
Ion Ratio Lower Upper
117 100
201 75.4 37.4 112.2

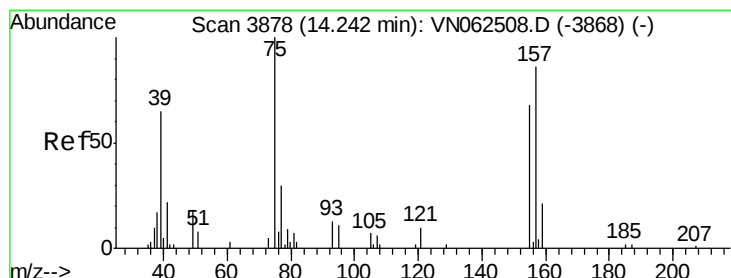
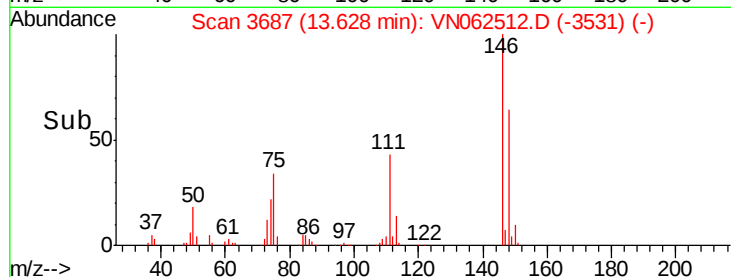
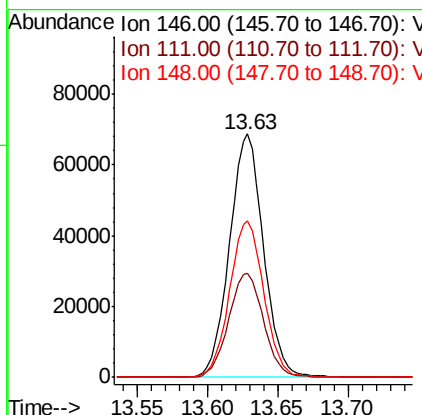
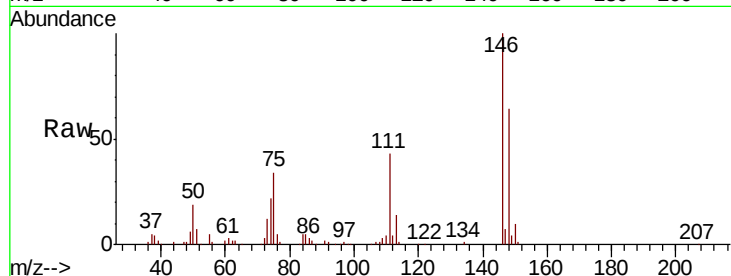




#87
 1,2-Dichlorobenzene
 Concen: 20.455 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

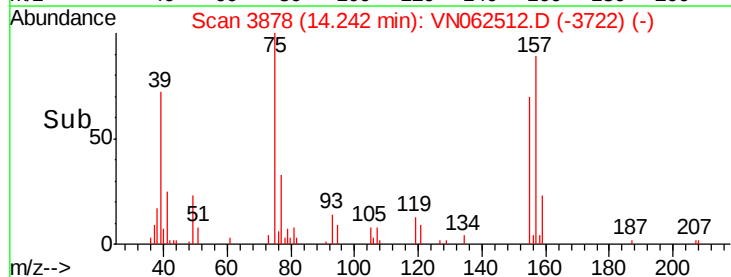
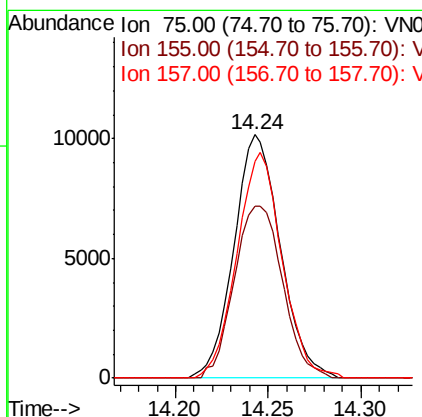
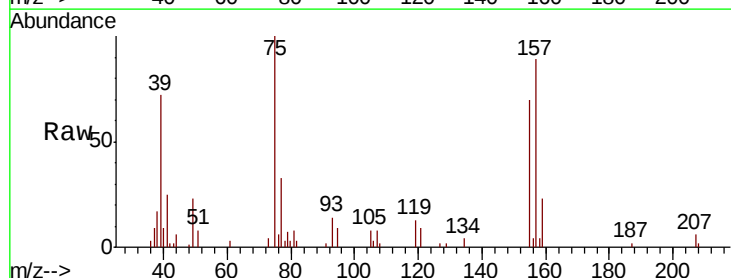
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 ClientSampleId :
 ICVVN071320

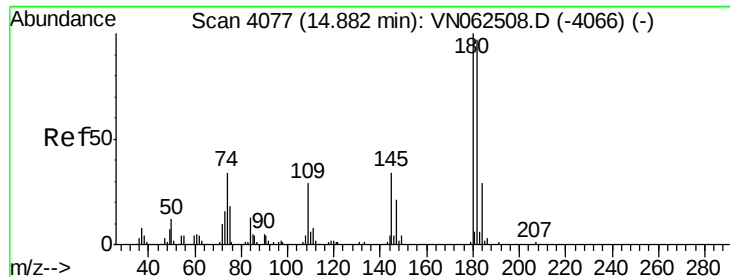
Tot Ion:146 Resp: 116029
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.4 67.0
 148 64.6 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.809 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion: 75 Resp: 17733
 Ion Ratio Lower Upper
 75 100
 155 73.7 55.7 83.5
 157 90.0 71.0 106.6

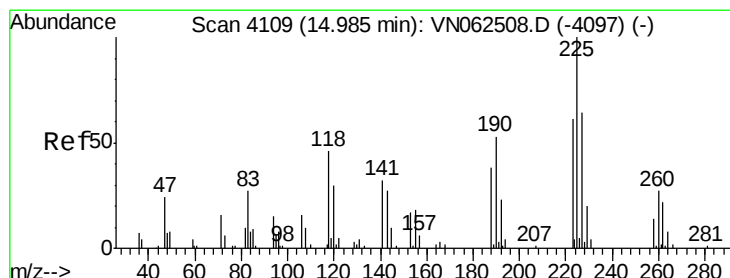
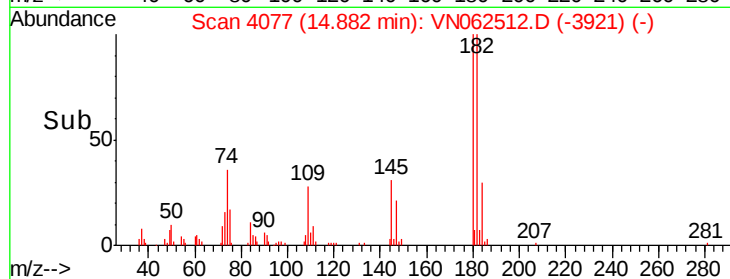
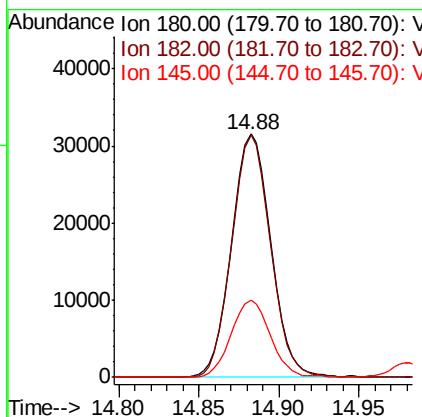
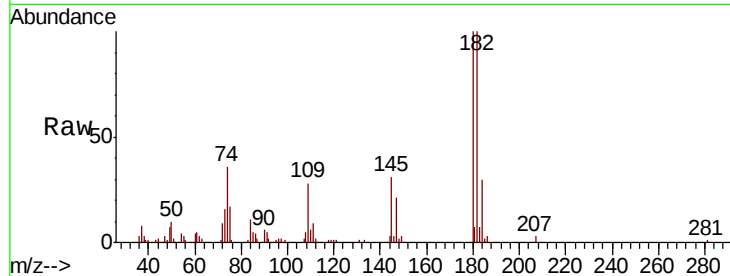




#89
 1,2,4-Trichlorobenzene
 Concen: 18.676 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

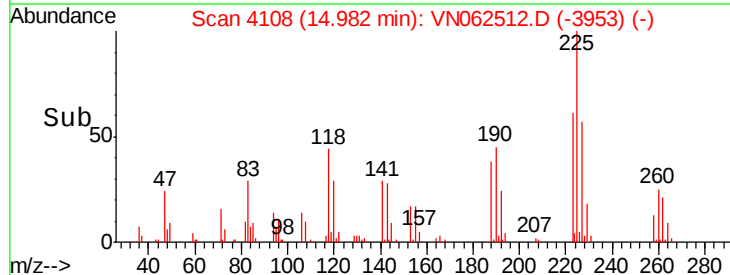
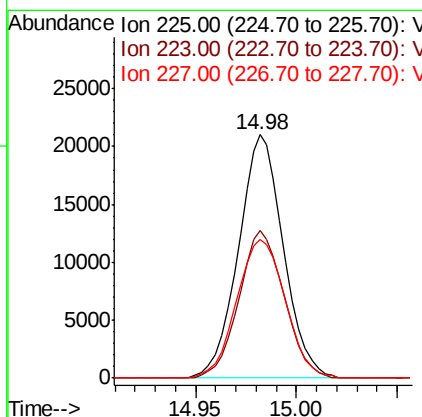
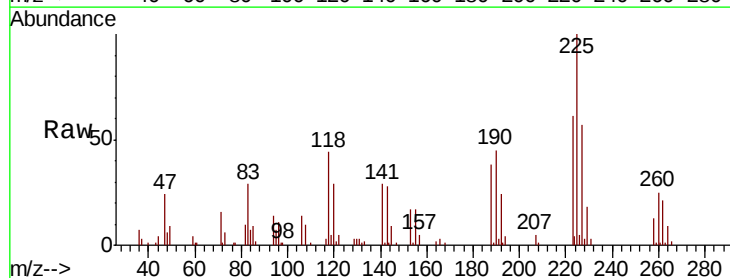
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 ClientSampleId :
 ICVVN071320

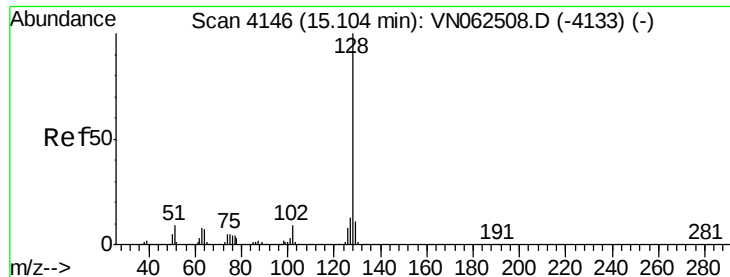
Tot Ion:180 Resp: 52739
 Ion Ratio Lower Upper
 180 100
 182 97.9 77.5 116.3
 145 31.3 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 20.884 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062512.D
 Acq: 13 Jul 2020 12:48

Tgt Ion:225 Resp: 32709
 Ion Ratio Lower Upper
 225 100
 223 61.0 0.0 120.4
 227 61.6 0.0 129.6

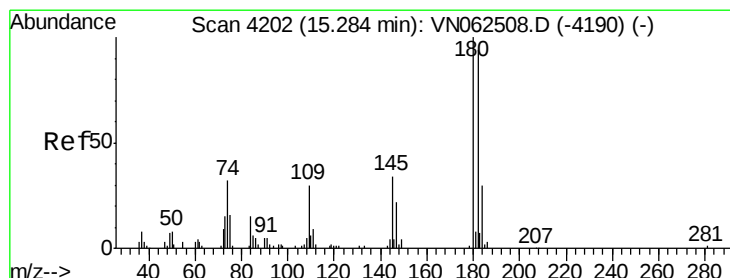
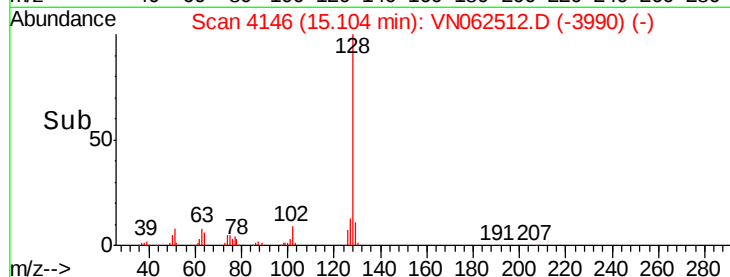
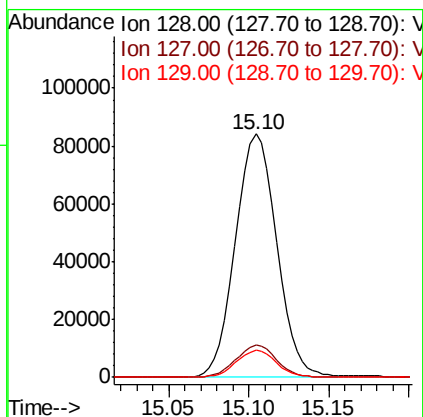
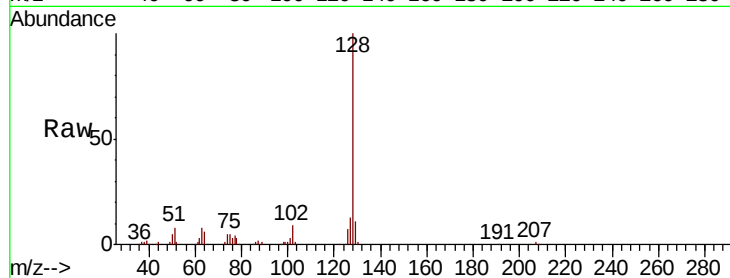




#91
Naphthalene
Concen: 19.416 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Instrument :
MSVOA_N
ClientSampled :
ICVVN071320

Tot Ion:128 Resp: 148659
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.9 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 19.197 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062512.D
Acq: 13 Jul 2020 12:48

Tgt Ion:180 Resp: 54635
Ion Ratio Lower Upper
180 100
182 94.5 0.0 187.2
145 33.6 0.0 67.8

