

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
 Data File : VN063030.D
 Acq On : 20 Aug 2020 11:24
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Aug 20 13:42:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 13:39:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	32777	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	170229	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	164057	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	69573	29.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.87%
60) 4-Bromofluorobenzene	12.38	95	80474	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.06	98	226252	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	255023	108.822	ug/l	97
3) Chloromethane	2.03	50	276006	106.436	ug/l	98
4) Vinyl Chloride	2.16	62	275331	105.470	ug/l	99
5) Bromomethane	2.51	94	157860	98.100	ug/l	99
6) Chloroethane	2.66	64	160623	104.108	ug/l	98
7) Trichlorofluoromethane	2.98	101	322547	102.459	ug/l	99
8) Diethyl Ether	3.37	74	109062	104.165	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	165432	97.189	ug/l	100
10) 1,1-Dichloroethene	3.69	96	153321	100.240	ug/l	98
11) Methyl Iodide	3.91	142	235312	112.129	ug/l	98
12) Methyl Acetate	4.28	43	210467	103.231	ug/l	100
13) Acrolein	3.56	56	113834	544.777	ug/l	99
14) Acrylonitrile	4.93	53	472050	528.772	ug/l	98
15) Acetone	3.77	58	129043	499.448	ug/l	99
16) Carbon Disulfide	4.01	76	419531	102.171	ug/l	100
17) Allyl chloride	4.27	41	290391	103.466	ug/l	97
18) Methylene Chloride	4.50	84	197981	92.513	ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	170321	101.265	ug/l	98
20) Diisopropyl ether	5.90	45	691277	105.162	ug/l	92
21) 1,1-Dichloroethane	5.80	63	359950	99.774	ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	210079	100.790	ug/l	99
23) tert-Butyl Alcohol	4.74	59	144182	492.982	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	594904	106.020	ug/l	98
25) Chloroform	7.33	83	357218	99.426	ug/l	98
26) Cyclohexane	7.61	56	340238	109.555	ug/l #	99
29) 1,1-Dichloropropene	7.75	75	255014	103.156	ug/l	99
30) 2-Butanone	6.78	43	586020	508.589	ug/l	100
31) 2,2-Dichloropropane	6.77	77	297665	99.060	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	295979	99.406	ug/l	100
33) Carbon Tetrachloride	7.73	117	253470	99.970	ug/l	95
34) Benzene	8.00	78	798262	100.762	ug/l #	90
35) Methacrylonitrile	7.12	41	113385	105.517	ug/l	95
36) 1,2-Dichloroethane	8.08	62	268510	99.346	ug/l	100
37) Trichloroethene	8.80	130	195208	100.615	ug/l	98
38) Methylcyclohexane	9.05	83	345838	111.533	ug/l	96
39) 1,2-Dichloropropane	9.08	63	231835	100.549	ug/l	99
40) Dibromomethane	9.17	93	132929	99.299	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	295954	99.764	ug/l	99
42) Vinyl Acetate	5.84	43	2238637	512.863	ug/l	100
43) Ethyl Acetate	6.88	43	219814	99.948	ug/l	97
44) Isopropyl Acetate	8.13	43	384175	104.054	ug/l	99
45) 1,4-Dioxane	9.17	88	74479	2153.866	ug/l	96
46) Methyl methacrylate	9.17	41	194504	107.002	ug/l	98
47) n-amyl Acetate	12.05	43	365930	111.669	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	328211	104.757	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	355790	104.328	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	206446	100.020	ug/l	98
51) Ethyl methacrylate	10.40	69	311374	110.881	ug/l	99
52) 1,3-Dichloropropane	10.68	76	347493	101.902	ug/l	98
53) Dibromochloromethane	10.87	129	234444	103.507	ug/l	99
54) 1,2-Dibromoethane	10.98	107	202861	102.452	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	355527	616.355	ug/l	99
56) Bromoform	12.10	173	174987	105.503	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	1232726	522.334	ug/l	99
59) 2-Hexanone	10.72	43	883946	525.053	ug/l	97
61) Tetrachloroethene	10.60	164	176943	98.384	ug/l	98
62) Toluene	10.12	91	874698	100.601	ug/l	99
64) Chlorobenzene	11.41	112	549620	102.159	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	217235	101.873	ug/l	99
66) Ethyl Benzene	11.48	91	1012102	106.786	ug/l	99
67) m/p-Xylenes	11.60	106	764368	215.276	ug/l	99
68) o-Xylene	11.92	106	367583	107.773	ug/l	99
69) Styrene	11.94	104	658305	110.488	ug/l	99
70) Isopropylbenzene	12.22	105	1000285	107.809	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	300014	100.831	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	380943	148.137	ug/l	61
73) Bromobenzene	12.50	156	259142	103.569	ug/l	99
74) n-propylbenzene	12.57	91	1207055	108.452	ug/l	100
75) 2-Chlorotoluene	12.65	91	700302	105.572	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	866394	109.419	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	104770	112.280	ug/l	93
78) 4-Chlorotoluene	12.75	91	734427	107.386	ug/l	99
79) tert-butylbenzene	12.97	119	722521	108.449	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	859690	111.539	ug/l	99
81) sec-Butylbenzene	13.15	105	1011998	110.270	ug/l	100
82) p-Isopropyltoluene	13.26	119	914630	112.416	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	471550	107.938	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	463064	108.452	ug/l	99
85) n-Butylbenzene	13.59	91	786541	116.329	ug/l	97
86) Hexachloroethane	13.85	117	170014	106.097	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	452298	108.101	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	50710	107.448	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	244423	118.375	ug/l	99
90) Hexachlorobutadiene	14.98	225	156483	102.389	ug/l	98
91) Naphthalene	15.10	128	546321	119.740	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	239024	115.951	ug/l	99

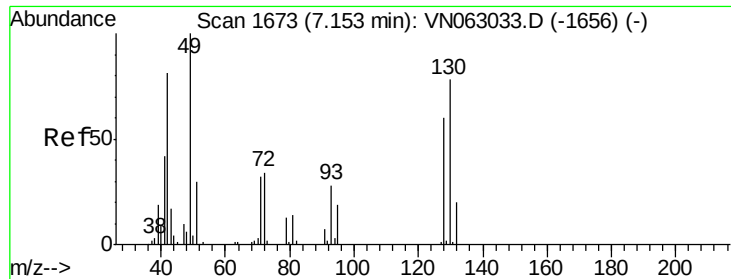
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
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Response via : Initial Calibration

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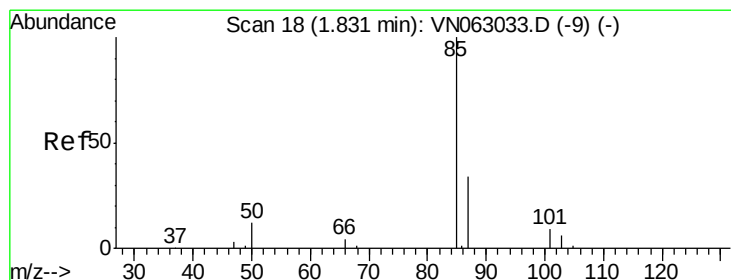
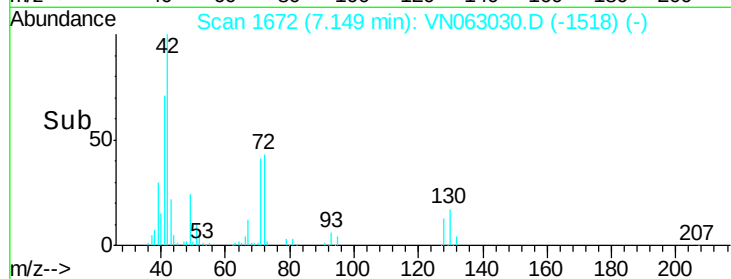
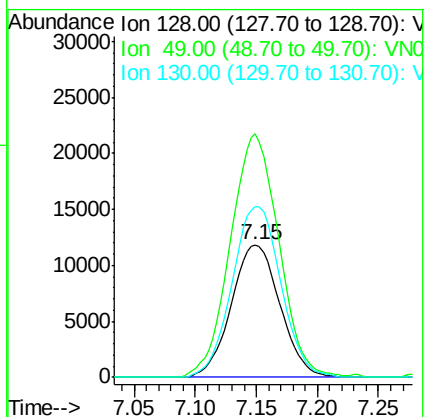
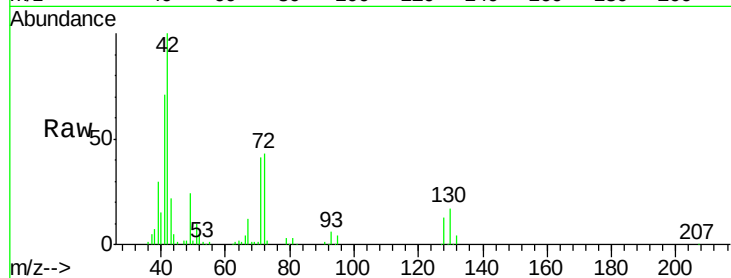
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

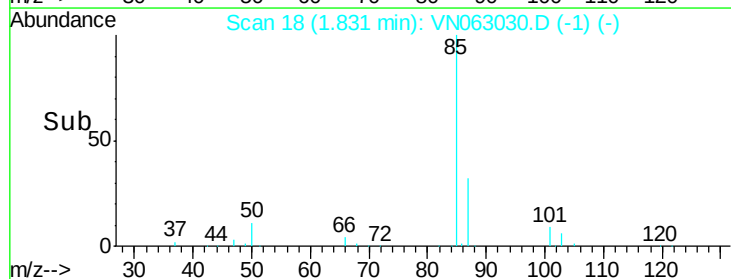
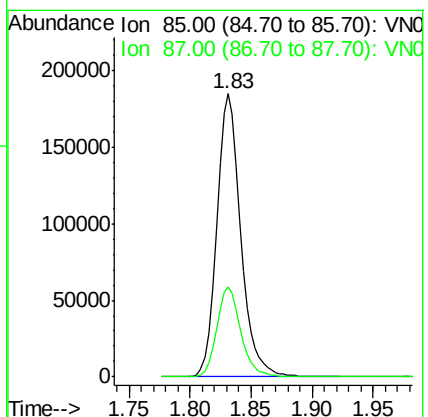
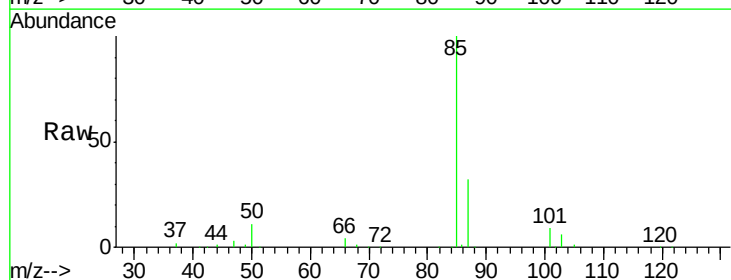
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

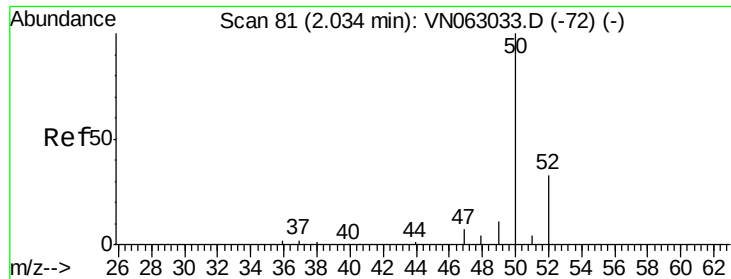
Tgt Ion: 128 Resp: 32777
 Ion Ratio Lower Upper
 128 100
 49 182.6 0.0 437.5
 130 129.2 0.0 327.3



#2
 Dichlorodifluoromethane
 Concen: 108.822 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 85 Resp: 255023
 Ion Ratio Lower Upper
 85 100
 87 32.0 16.9 50.6





#3

Chloromethane

Concen: 106.436 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

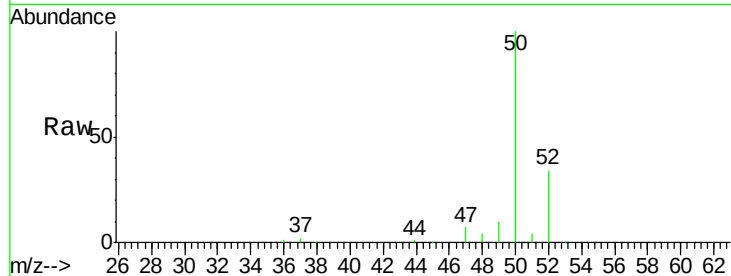
VSTDIC100

Tgt Ion: 50 Resp: 276006

Ion Ratio Lower Upper

50 100

52 33.7 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.03

150000

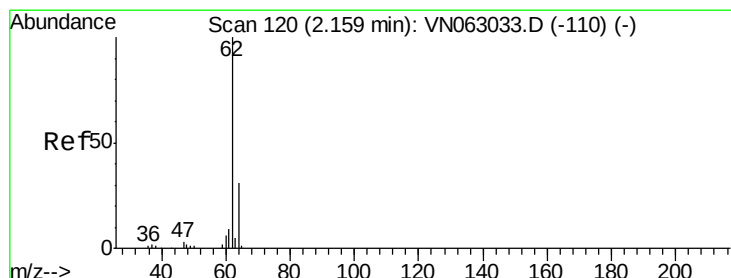
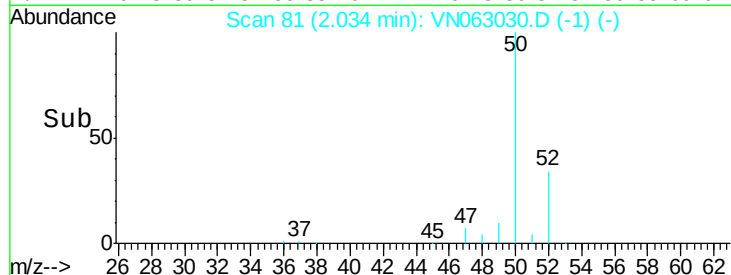
100000

50000

0

Time-->

1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 105.470 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN063030.D

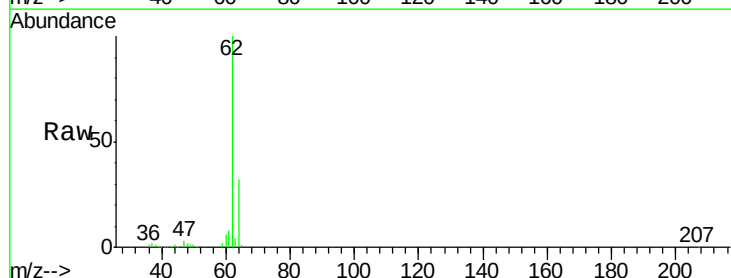
Acq: 20 Aug 2020 11:24

Tgt Ion: 62 Resp: 275331

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.16

200000

150000

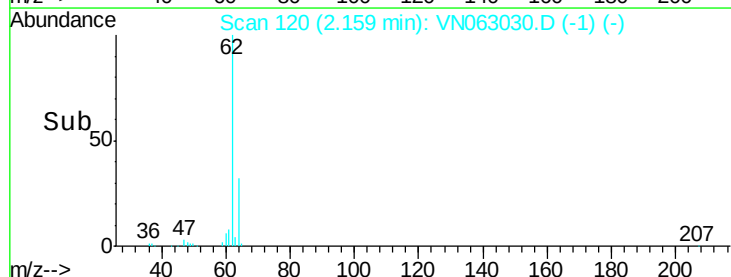
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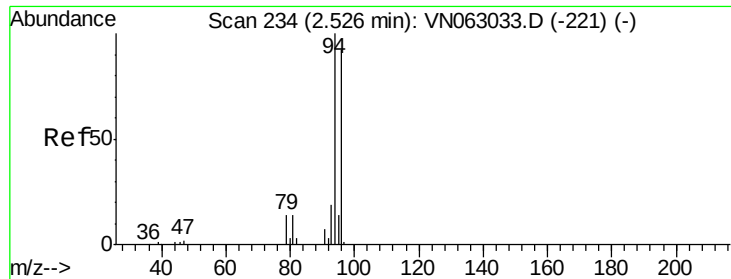
50000

0

Time-->

2.10 2.15 2.20 2.25

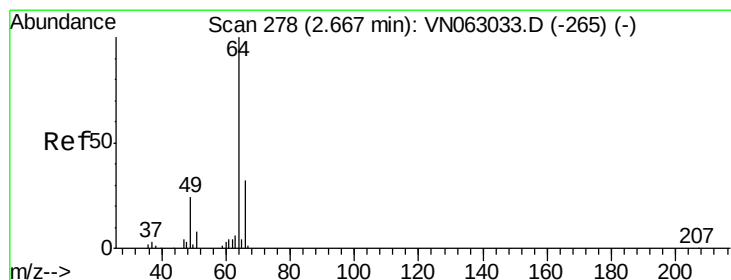
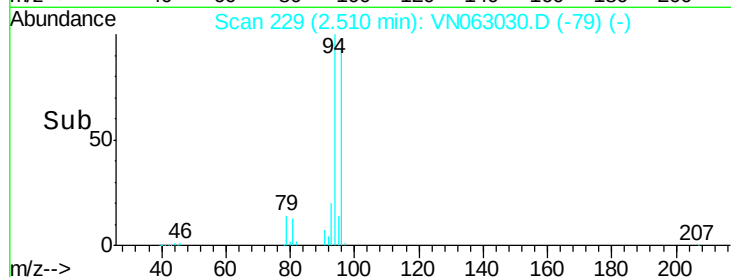
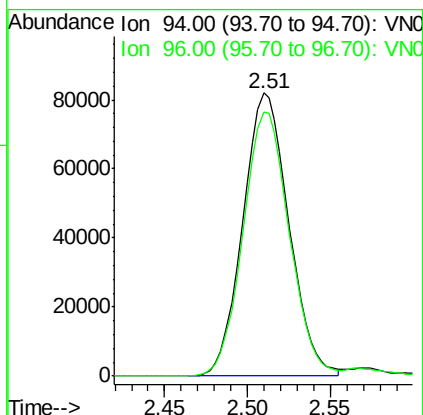
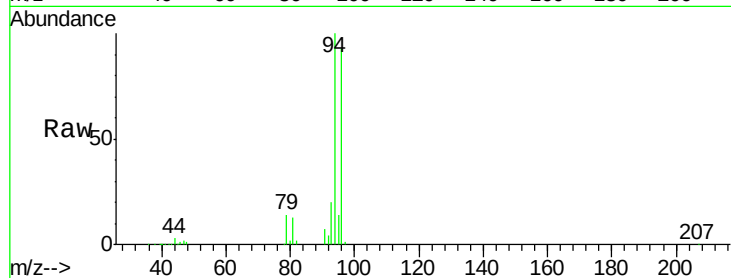




#5
 Bromomethane
 Concen: 98.100 ug/l
 RT: 2.51 min Scan# 229
 Delta R.T. -0.02 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

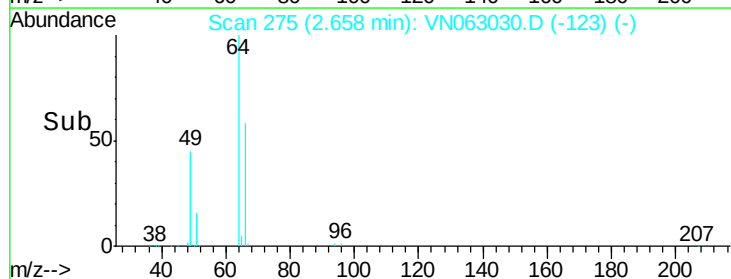
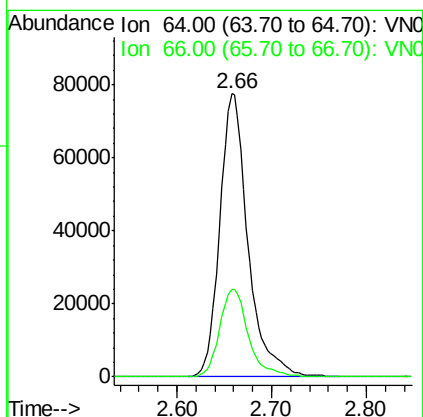
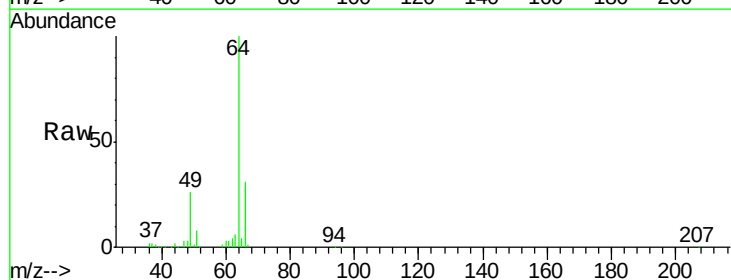
Instrument :
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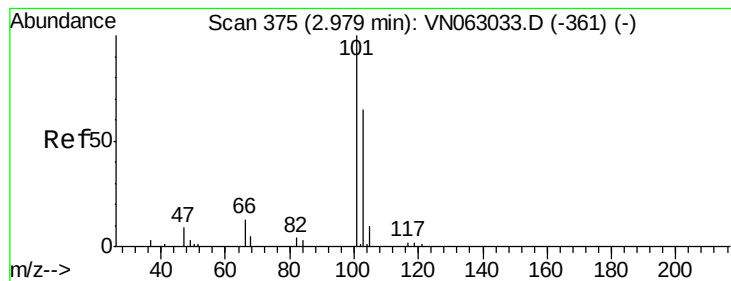
Tgt Ion: 94 Resp: 157860
 Ion Ratio Lower Upper
 94 100
 96 93.3 74.0 111.0



#6
 Chloroethane
 Concen: 104.108 ug/l
 RT: 2.66 min Scan# 275
 Delta R.T. -0.01 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 64 Resp: 160623
 Ion Ratio Lower Upper
 64 100
 66 30.9 25.8 38.8



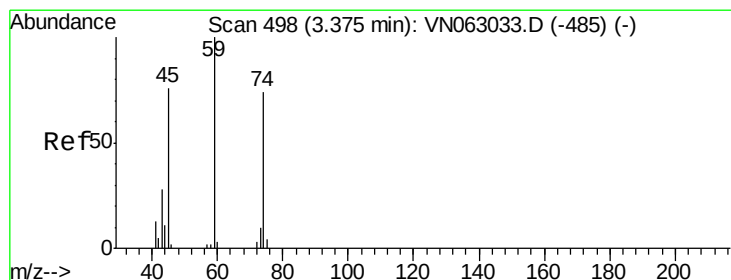
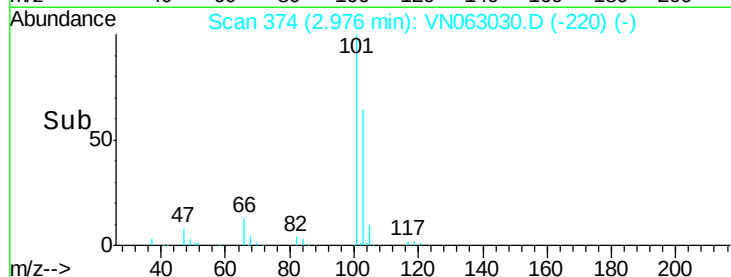
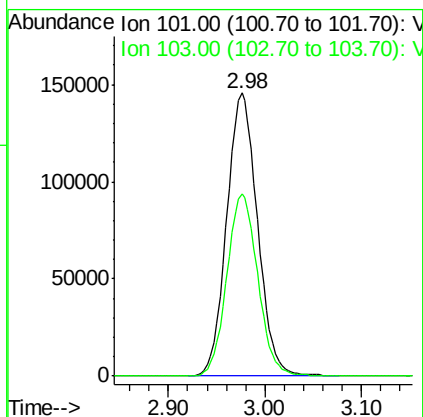
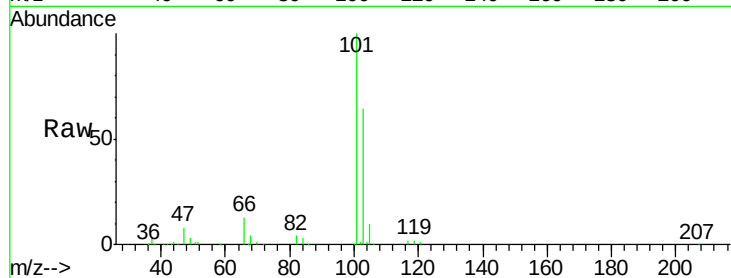


#7

Trichlorofluoromethane
 Concen: 102.459 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
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 VSTDIC100

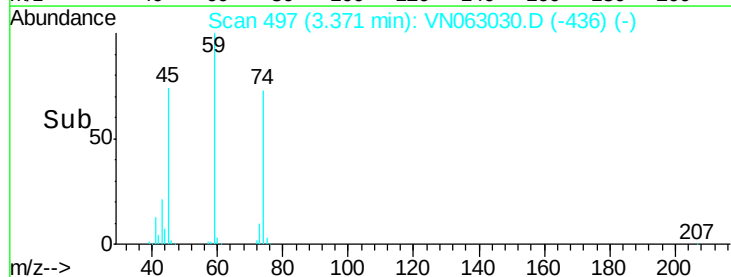
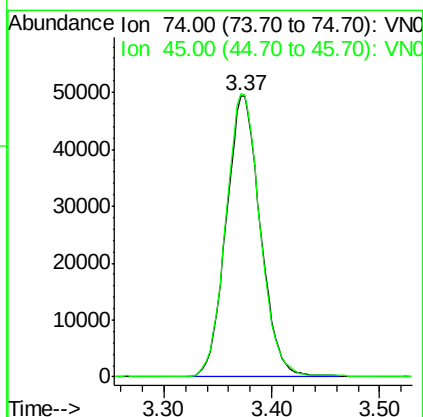
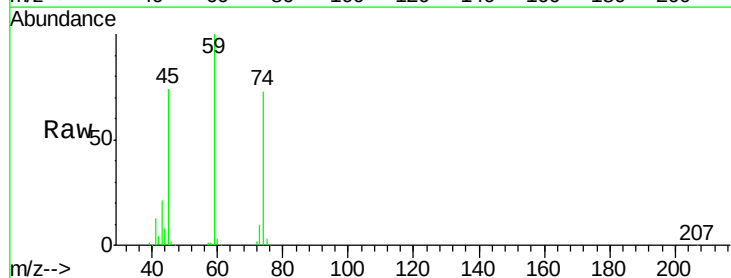
Tgt Ion:101 Resp: 322547
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.9 77.9

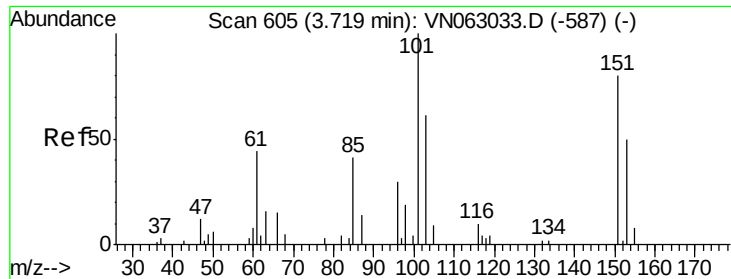


#8

Diethyl Ether
 Concen: 104.165 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 74 Resp: 109062
 Ion Ratio Lower Upper
 74 100
 45 100.8 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.189 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

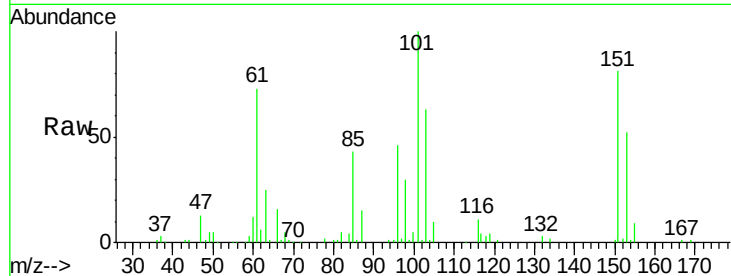
Tgt Ion:101 Resp: 165432

Ion Ratio Lower Upper

101 100

85 42.8 0.0 85.0

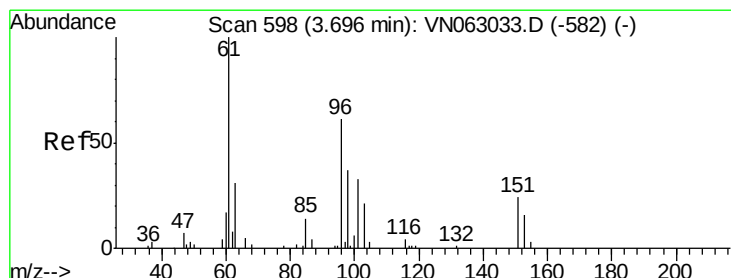
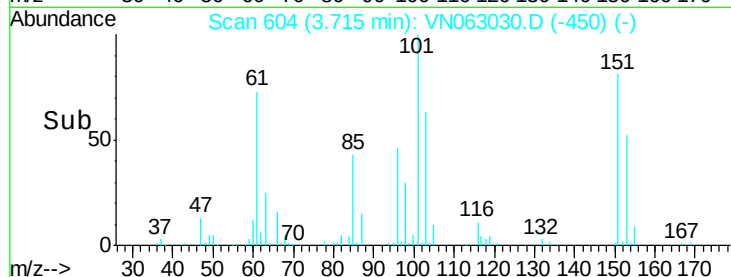
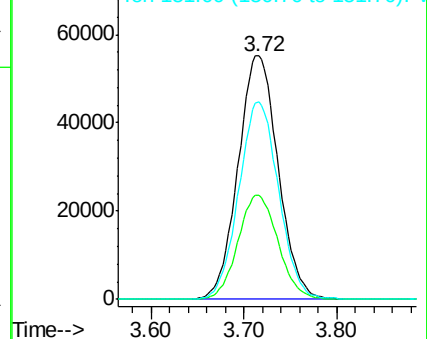
151 80.6 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 100.240 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

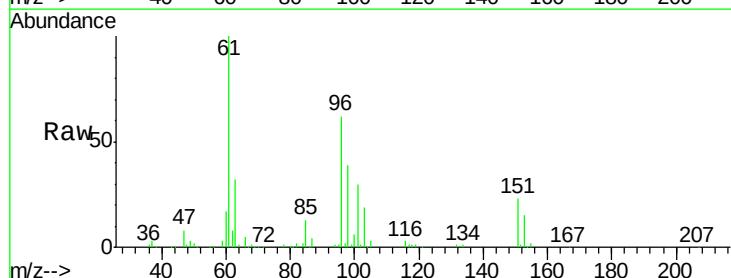
Tgt Ion: 96 Resp: 153321

Ion Ratio Lower Upper

96 100

61 161.6 130.8 196.2

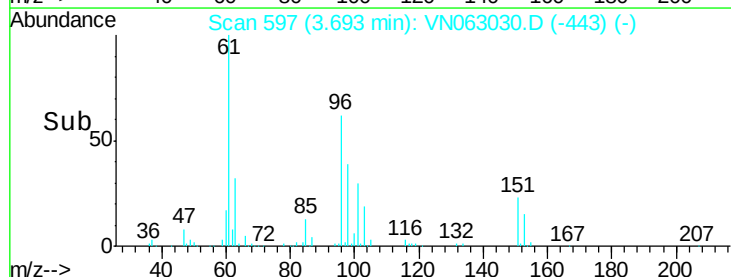
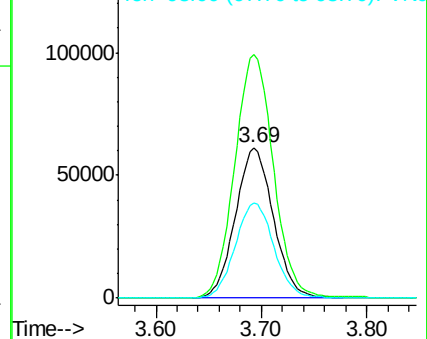
98 62.9 49.0 73.4

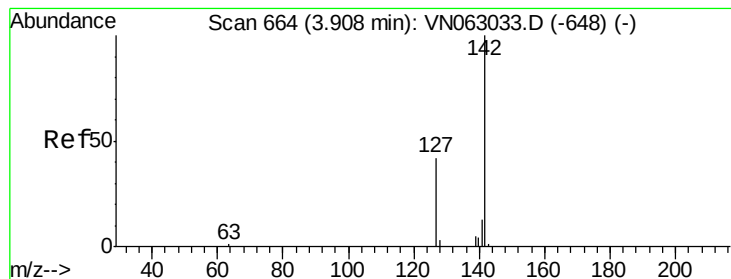


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methyl Iodide

Concen: 112.129 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

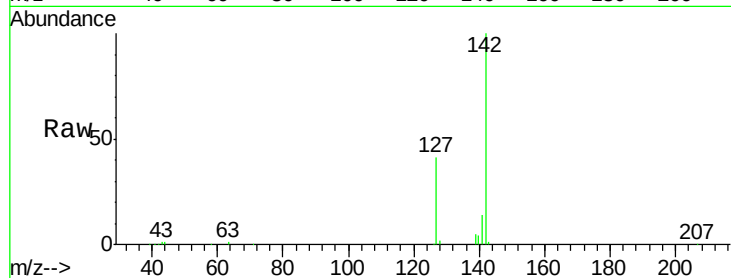
Tgt Ion:142 Resp: 235312

Ion Ratio Lower Upper

142 100

127 40.6 20.9 62.8

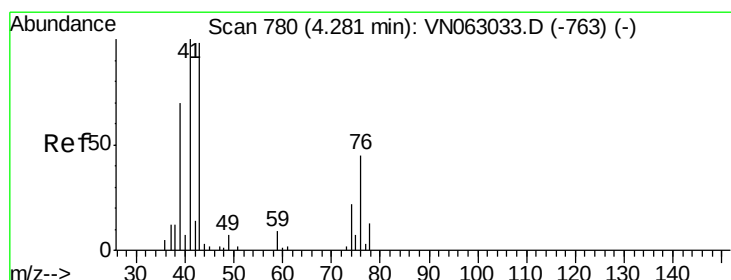
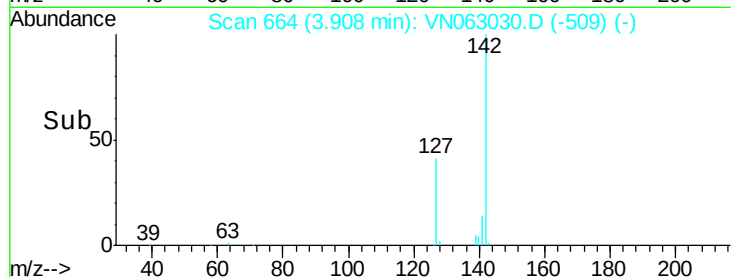
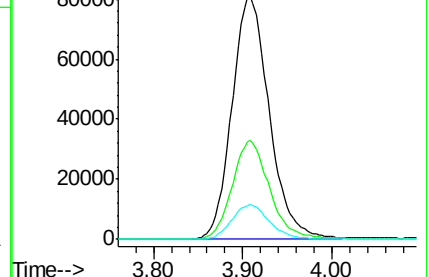
141 14.5 6.7 20.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 103.231 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN063030.D

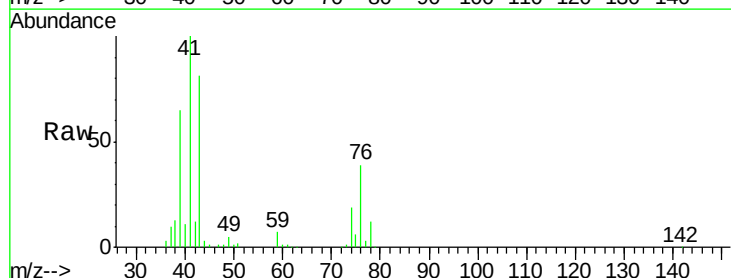
Acq: 20 Aug 2020 11:24

Tgt Ion: 43 Resp: 210467

Ion Ratio Lower Upper

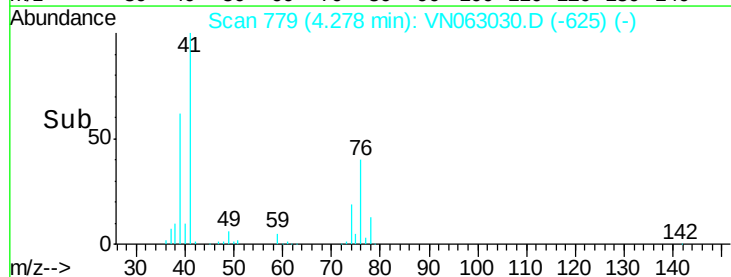
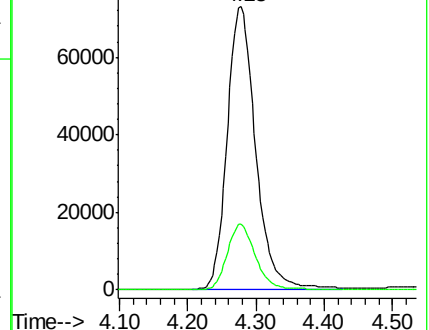
43 100

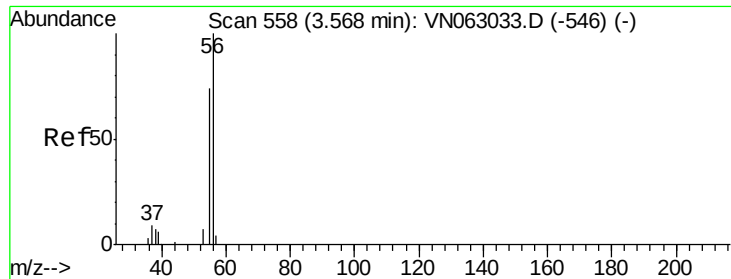
74 23.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V

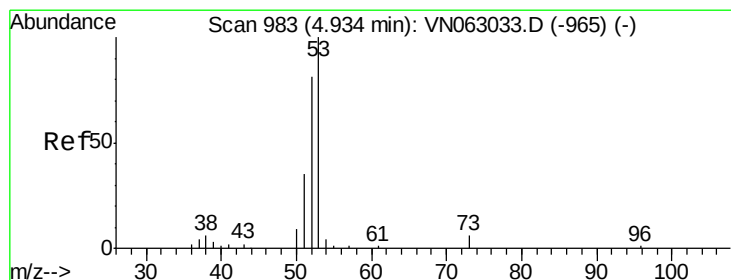
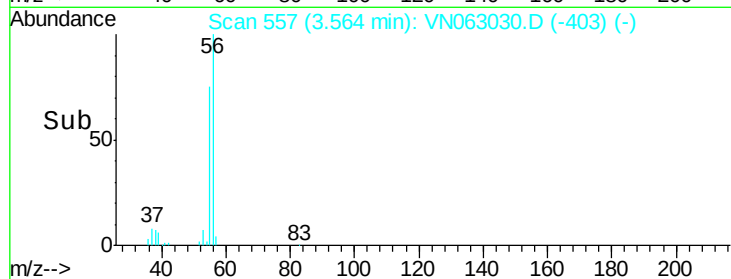
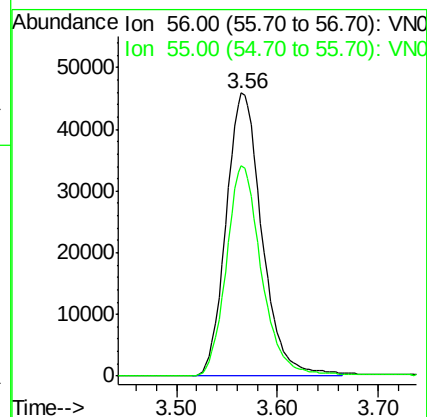
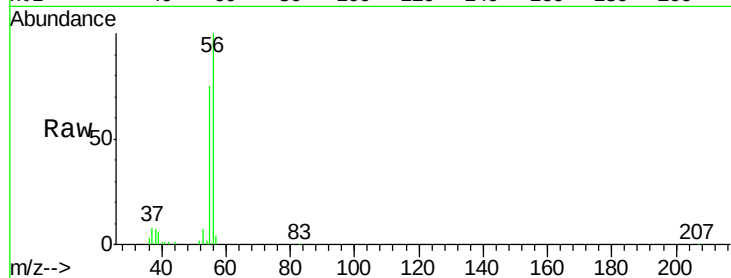




#13
Acrolein
Concen: 544.777 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

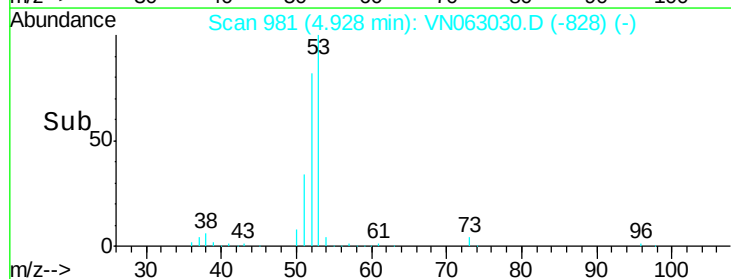
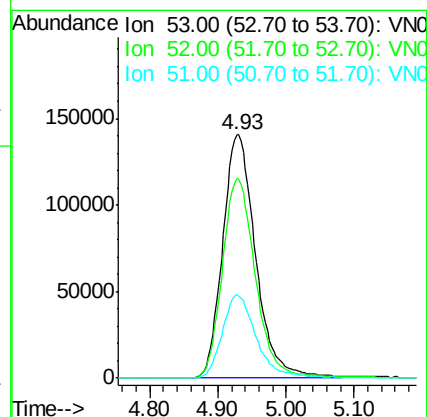
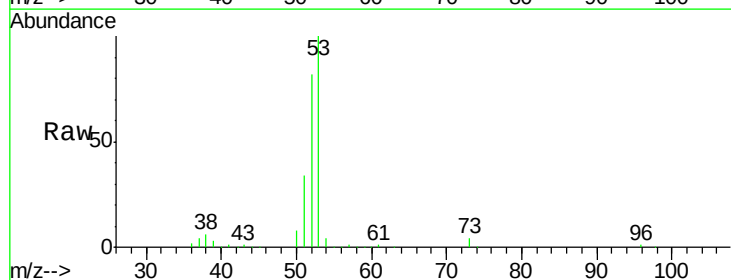
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

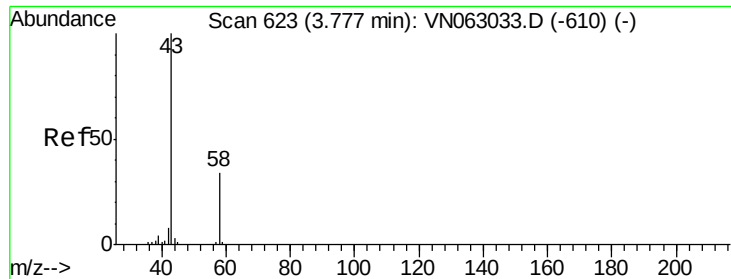
Tgt Ion: 56 Resp: 113834
Ion Ratio Lower Upper
56 100
55 72.7 58.7 88.1



#14
Acrylonitrile
Concen: 528.772 ug/l
RT: 4.93 min Scan# 981
Delta R.T. -0.01 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 53 Resp: 472050
Ion Ratio Lower Upper
53 100
52 81.5 39.9 119.7
51 35.2 17.0 51.0

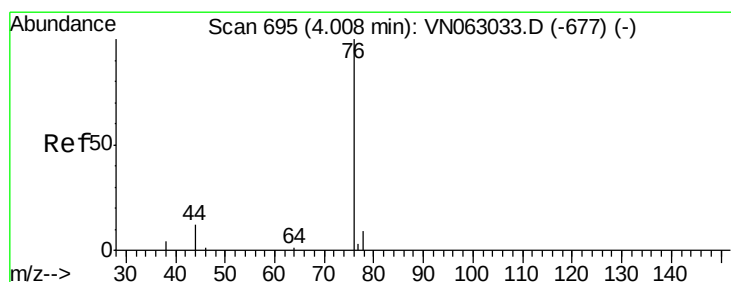
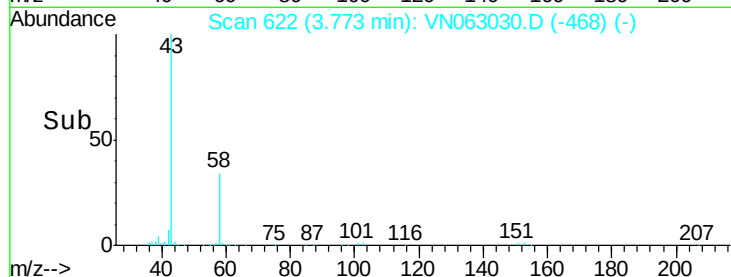
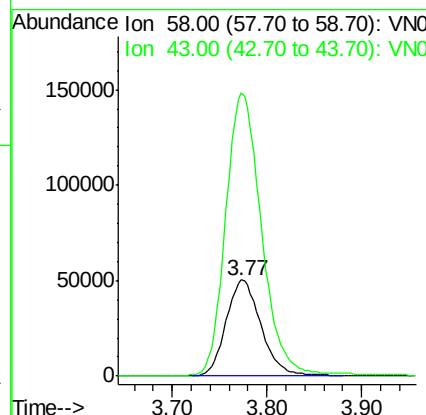
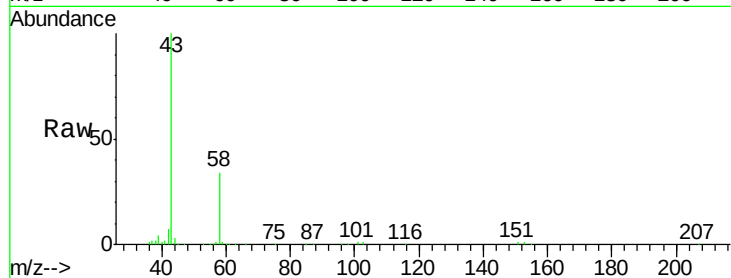




#15
Acetone
Concen: 499.448 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

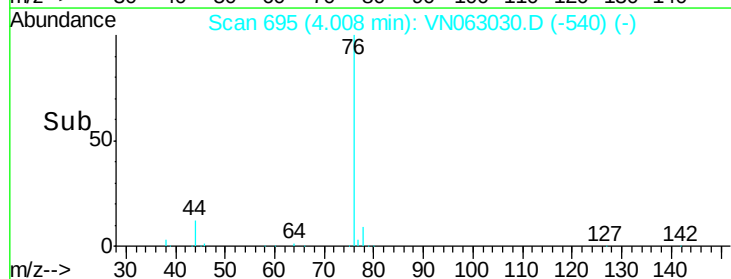
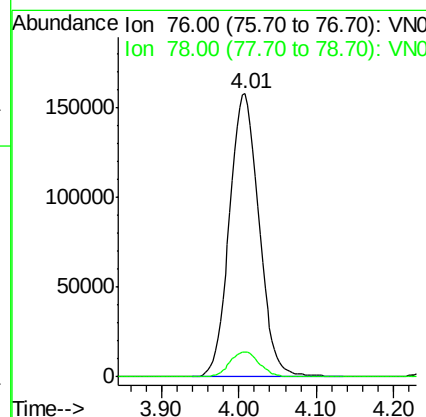
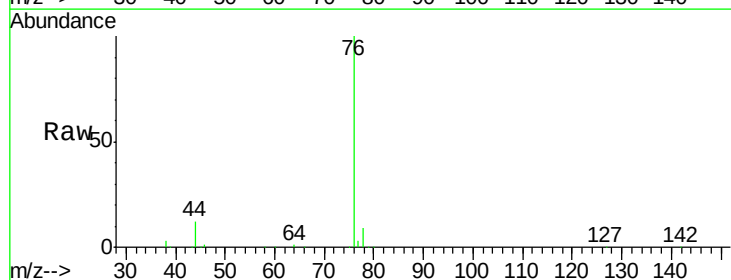
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

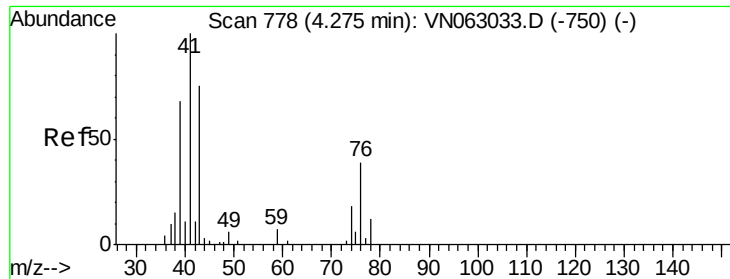
Tgt Ion: 58 Resp: 129043
Ion Ratio Lower Upper
58 100
43 294.0 233.2 349.8



#16
Carbon Disulfide
Concen: 102.171 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 76 Resp: 419531
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

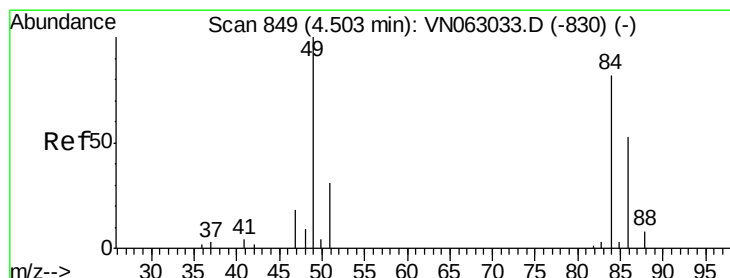
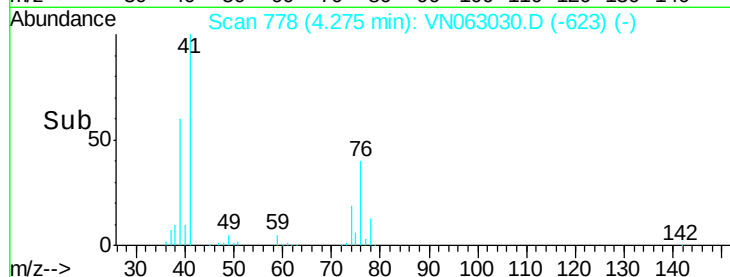
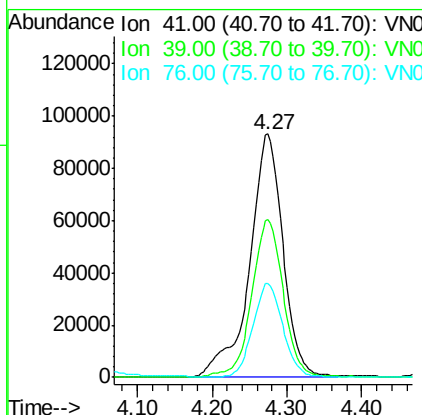
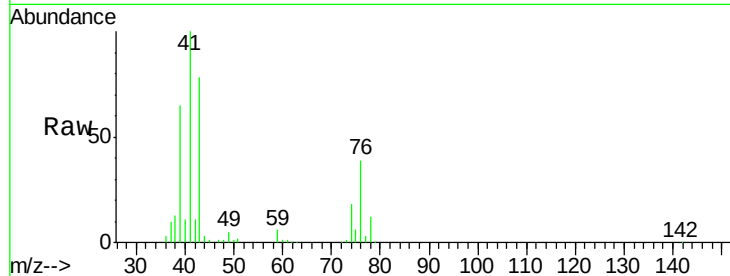




#17
 Allyl chloride
 Concen: 103.466 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

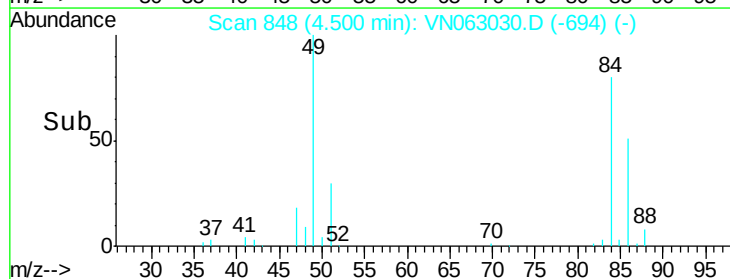
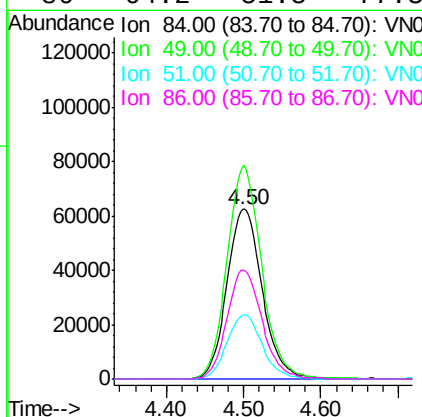
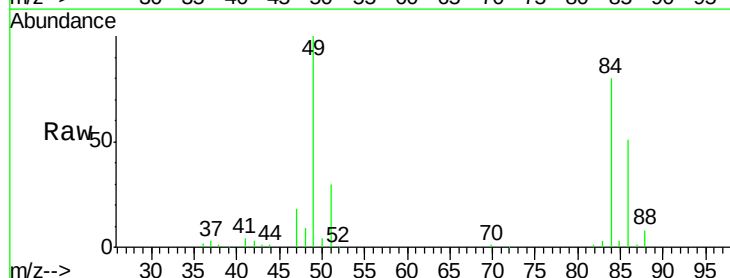
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

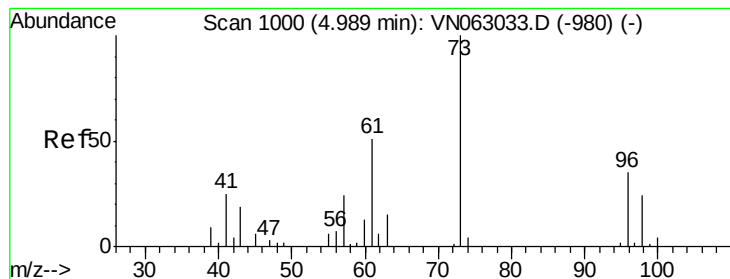
Tgt Ion:	41	Resp:	290391
Ion	Ratio	Lower	Upper
41	100		
39	64.7	33.8	101.4
76	38.3	19.4	58.4



#18
 Methylene Chloride
 Concen: 92.513 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:	84	Resp:	197981
Ion	Ratio	Lower	Upper
84	100		
49	125.6	97.8	146.8
51	37.8	30.7	46.1
86	64.2	51.5	77.3





#19

trans-1,2-Dichloroethene

Concen: 101.265 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

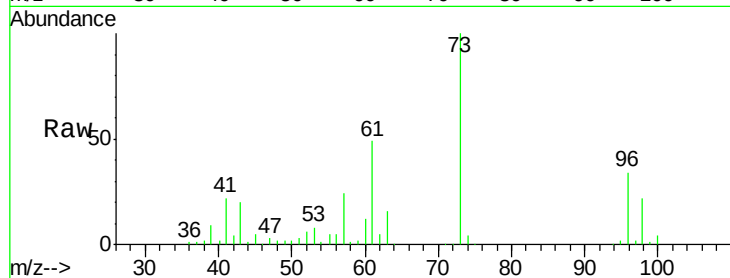
Tgt Ion: 96 Resp: 170321

Ion Ratio Lower Upper

96 100

61 144.2 115.9 173.9

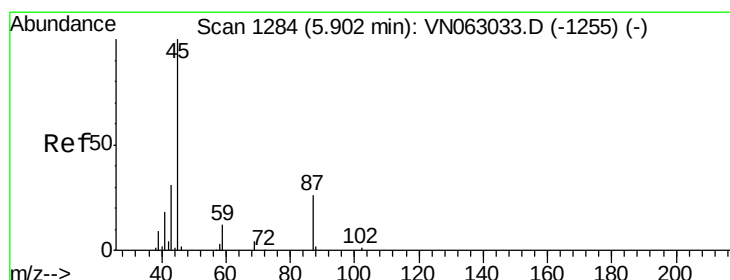
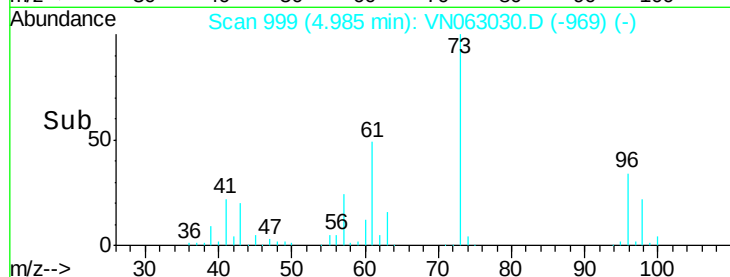
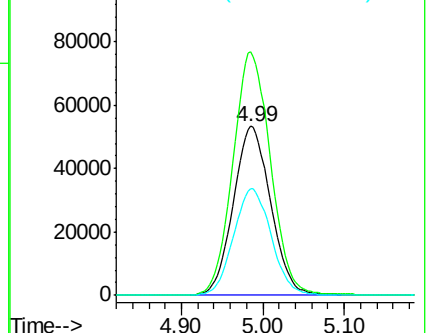
98 63.1 53.3 79.9



Abundance Ion 96.00 (95.70 to 96.70): VN063033.D (-980) (-)

Ion 61.00 (60.70 to 61.70): VN063033.D (-980) (-)

Ion 98.00 (97.70 to 98.70): VN063033.D (-980) (-)



#20

Diisopropyl ether

Concen: 105.162 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion: 45 Resp: 691277

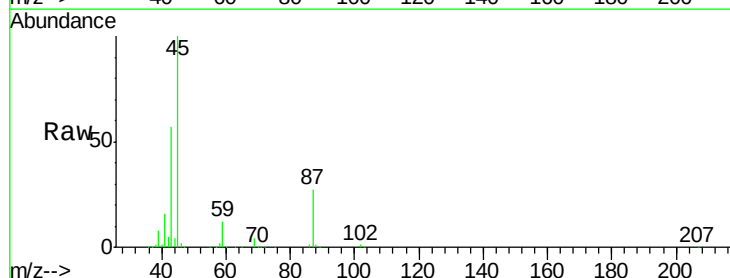
Ion Ratio Lower Upper

45 100

43 55.5 51.8 77.6

87 26.6 21.8 32.6

59 12.0 9.6 14.4

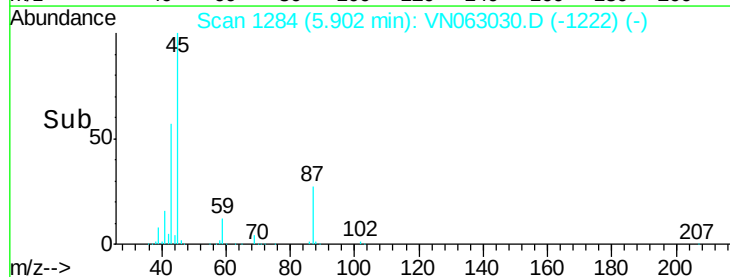
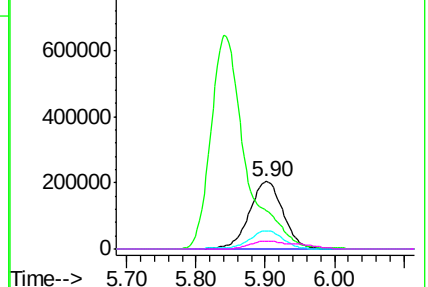


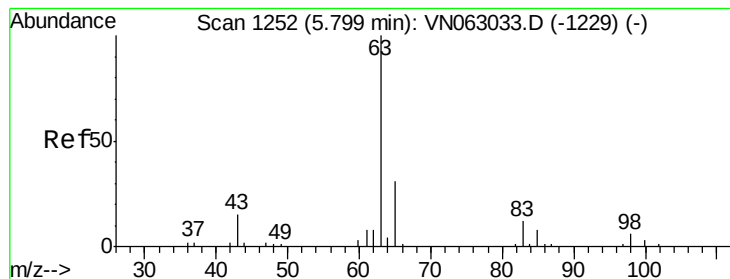
Abundance Ion 45.00 (44.70 to 45.70): VN063033.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN063033.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN063033.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN063033.D (-1255) (-)





#21

1,1-Dichloroethane

Concen: 99.774 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

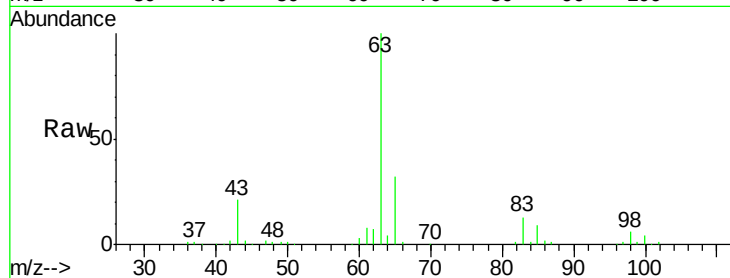
Tgt Ion: 63 Resp: 359950

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

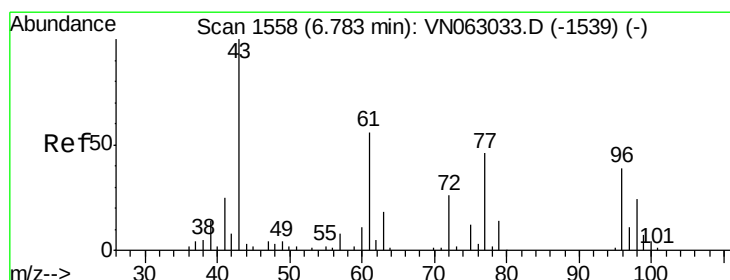
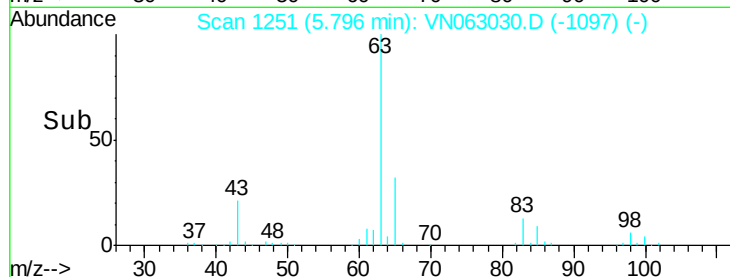
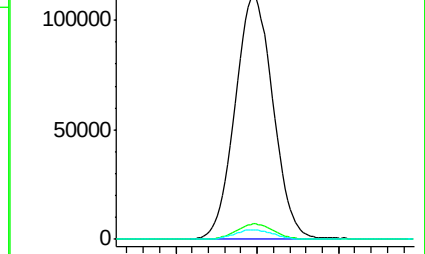
100 3.8 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VN063030.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063030.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063030.D (-1229) (-)



#22

cis-1,2-Dichloroethene

Concen: 100.790 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

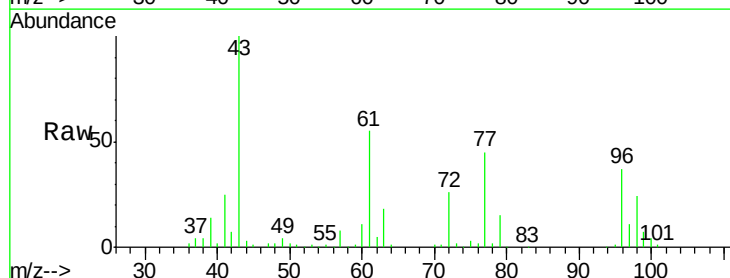
Tgt Ion: 96 Resp: 210079

Ion Ratio Lower Upper

96 100

61 151.0 120.9 181.3

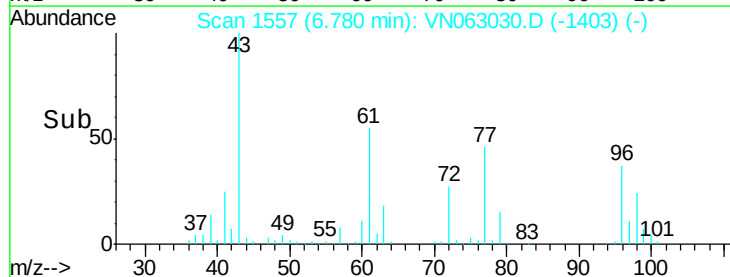
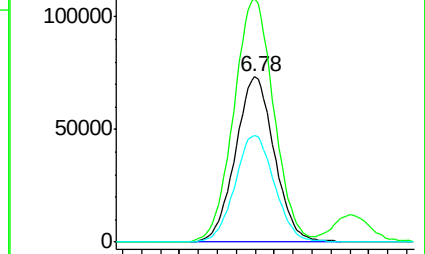
98 65.7 50.3 75.5

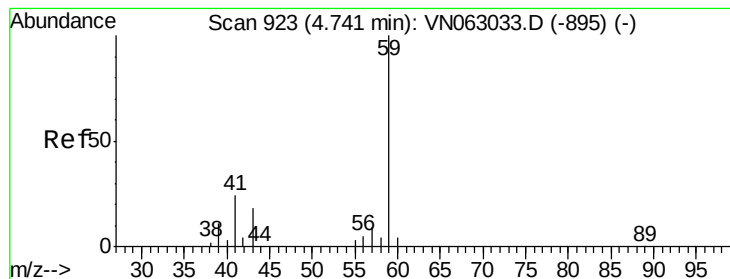


Abundance Ion 96.00 (95.70 to 96.70): VN063030.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063030.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063030.D (-1539) (-)



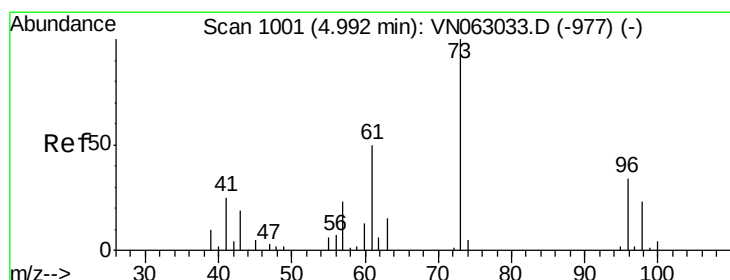
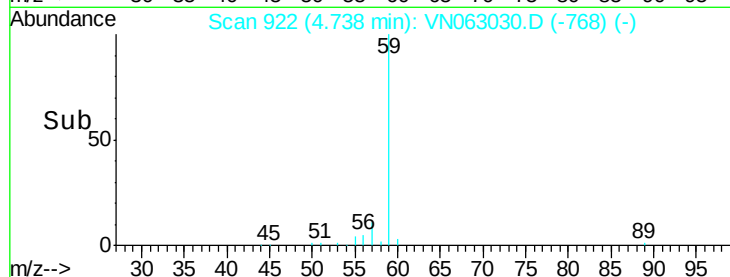
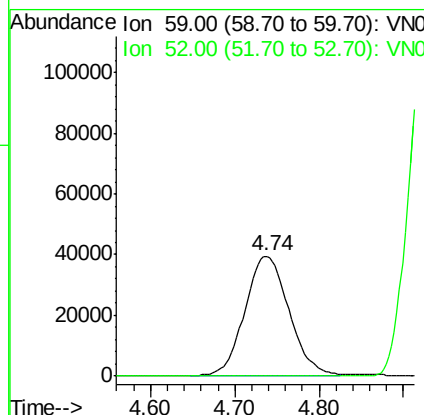
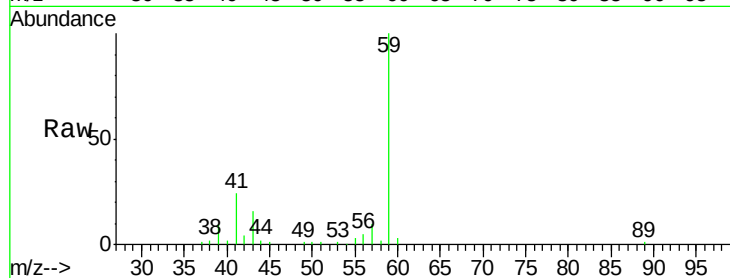


#23

tert-Butyl Alcohol
 Concen: 492.982 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

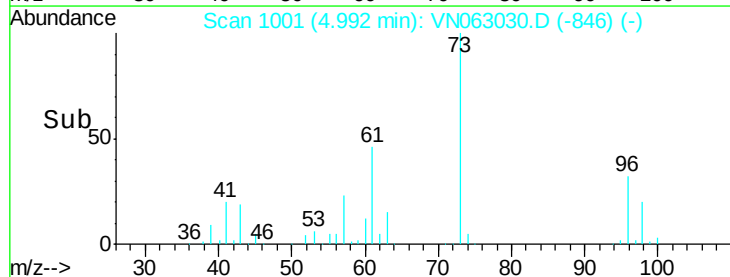
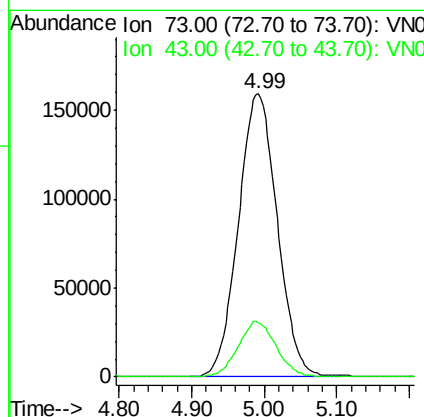
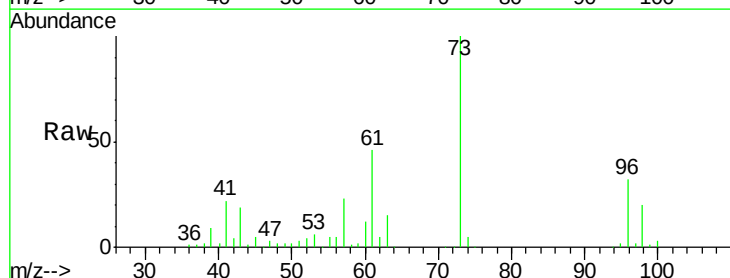
Tgt Ion: 59 Resp: 144182
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

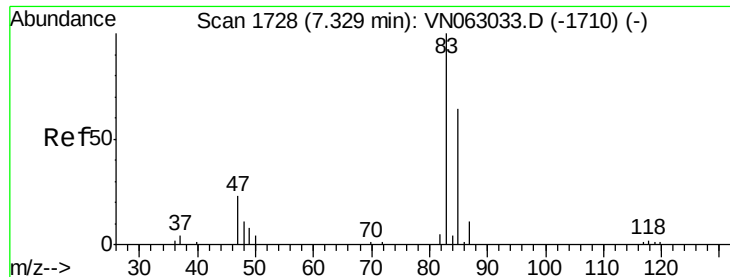


#24

Methyl tert-Butyl Ether
 Concen: 106.020 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 73 Resp: 594904
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.8 23.6

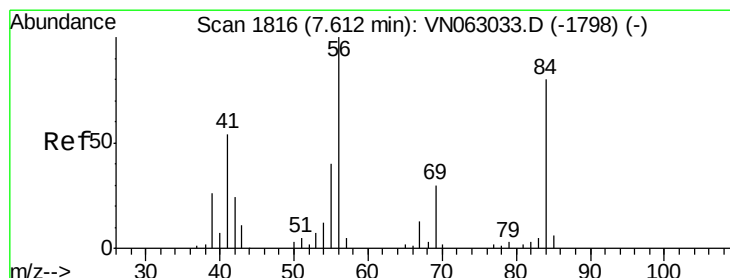
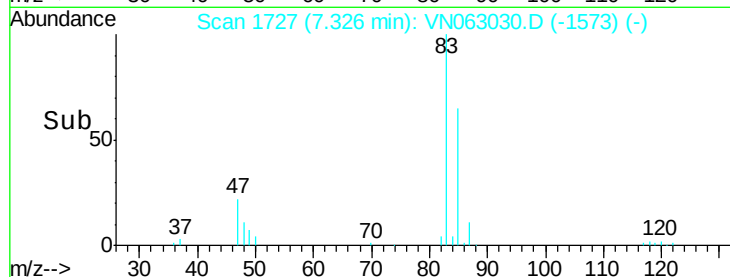
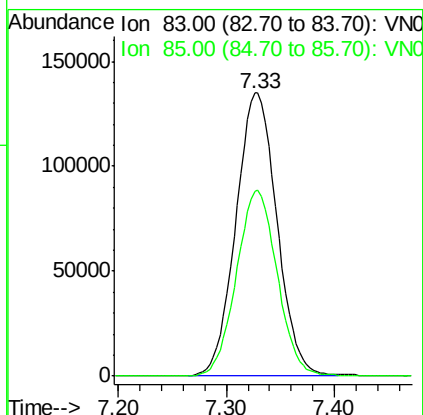
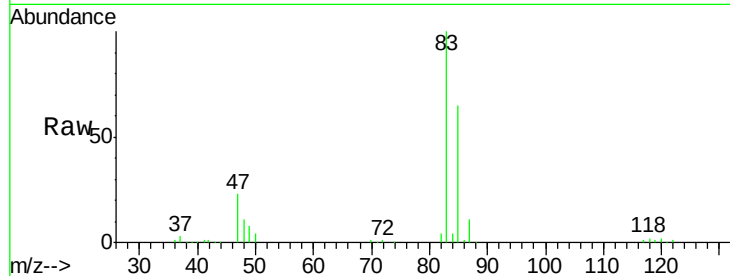




#25
Chloroform
Concen: 99.426 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

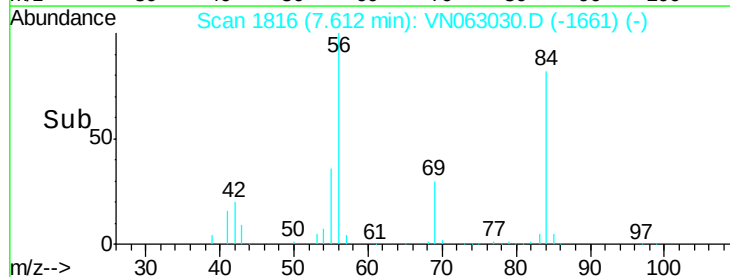
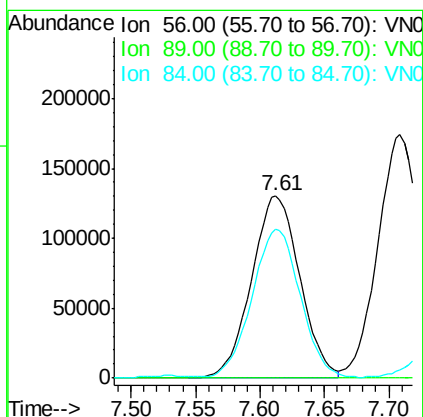
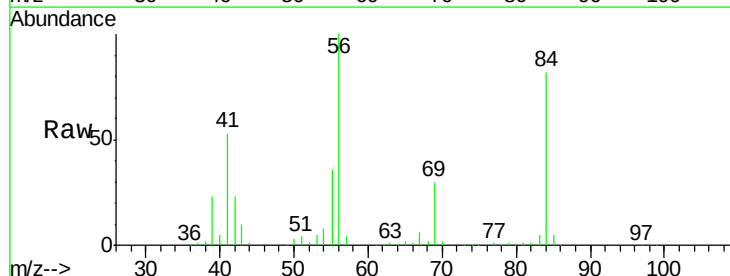
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

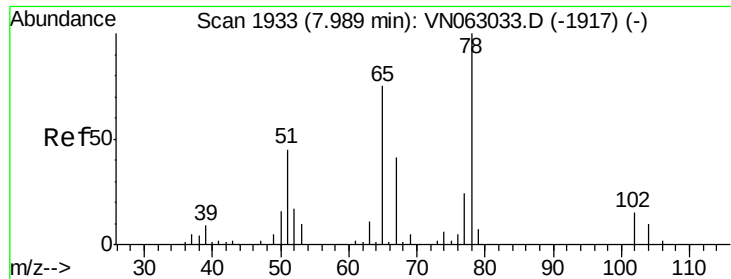
Tgt Ion: 83 Resp: 357218
Ion Ratio Lower Upper
83 100
85 65.4 51.0 76.4



#26
Cyclohexane
Concen: 109.555 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 56 Resp: 340238
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.3 65.0 97.4

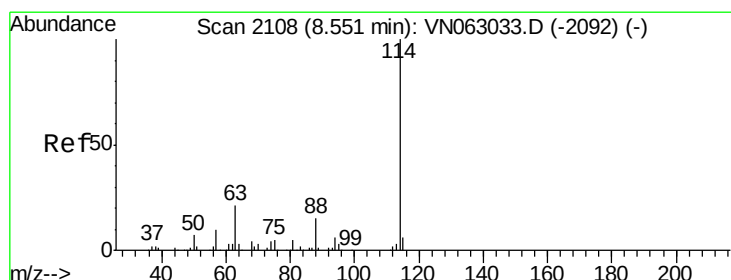
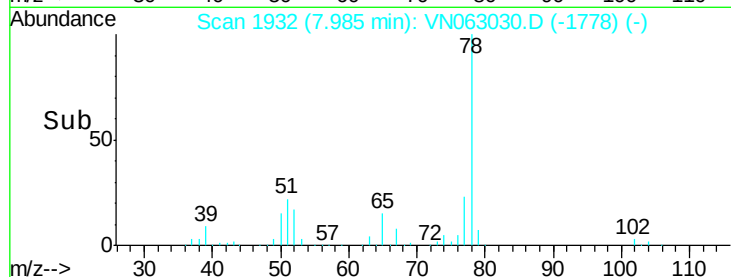
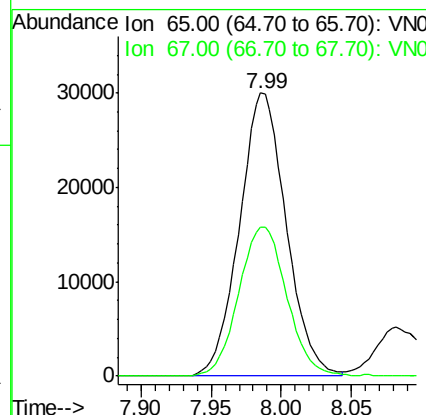
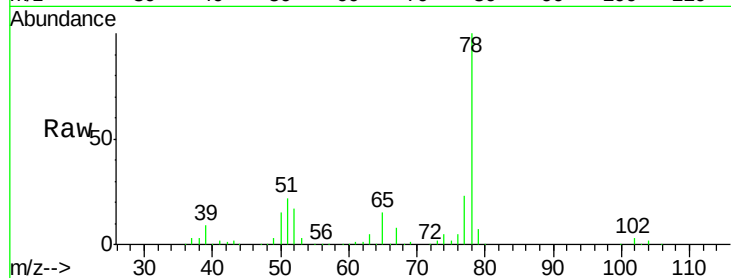




#27
 1,2-Dichloroethane-d4
 Concen: 29.958 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

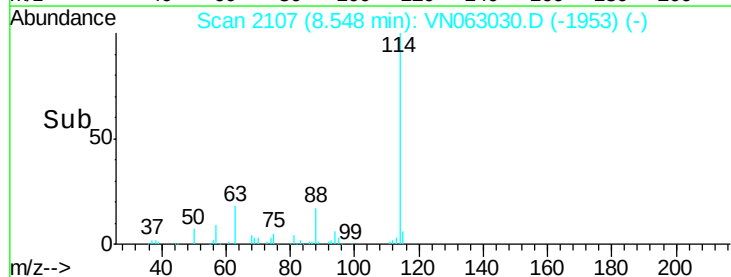
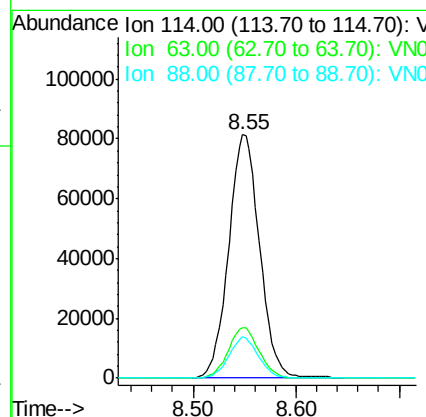
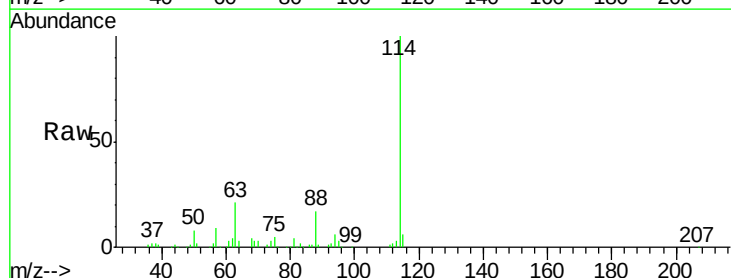
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

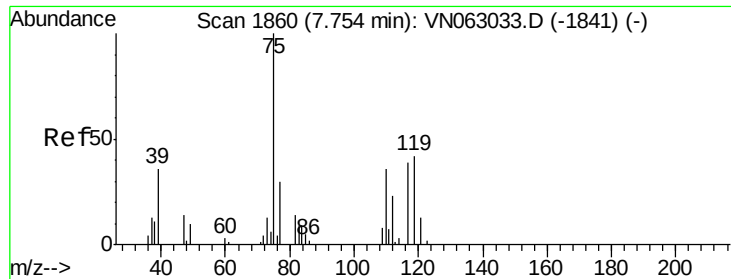
Tgt Ion: 65 Resp: 69573
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 114 Resp: 170229
 Ion Ratio Lower Upper
 114 100
 63 20.6 17.0 25.6
 88 16.2 12.6 18.8





#29

1,1-Dichloropropene

Concen: 103.156 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

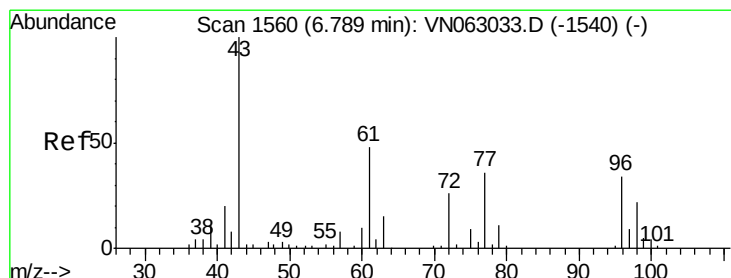
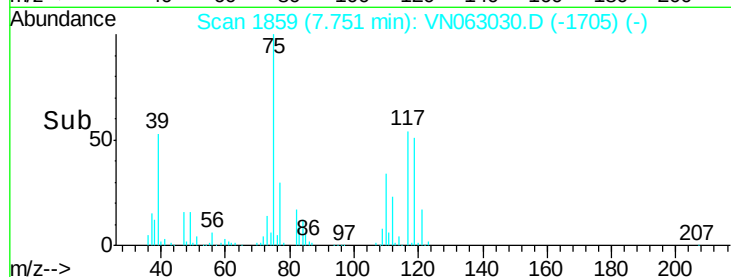
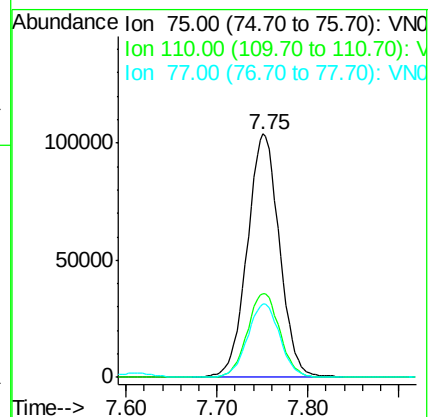
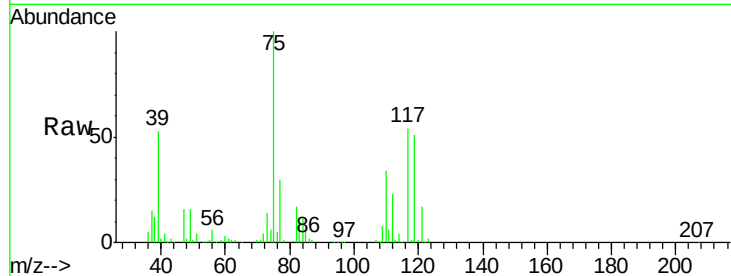
Tgt Ion: 75 Resp: 255014

Ion Ratio Lower Upper

75 100

110 34.5 0.0 70.6

77 30.7 0.0 60.2



#30

2-Butanone

Concen: 508.589 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

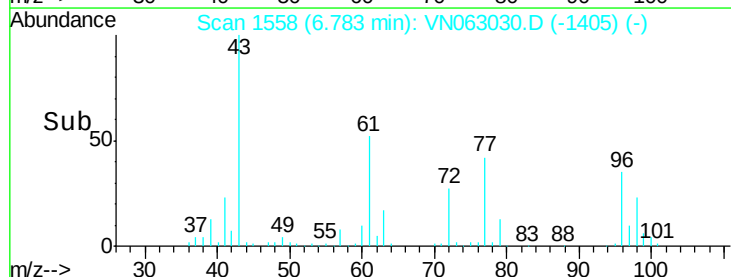
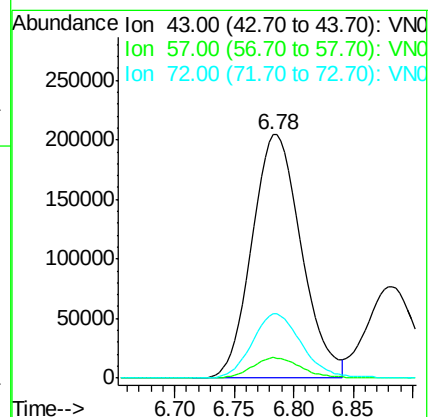
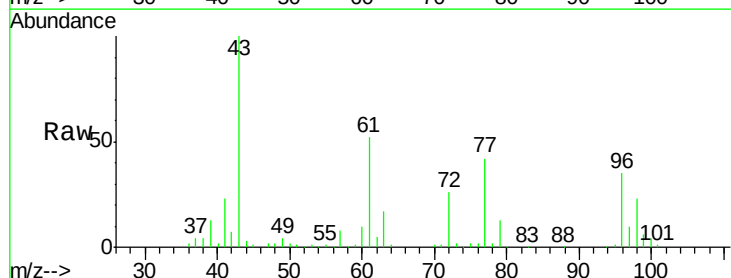
Tgt Ion: 43 Resp: 586020

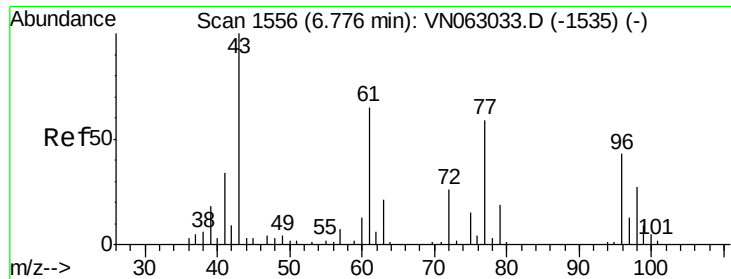
Ion Ratio Lower Upper

43 100

57 8.4 6.6 9.8

72 26.7 21.3 31.9

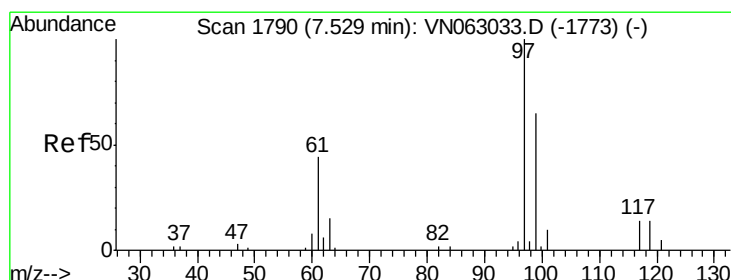
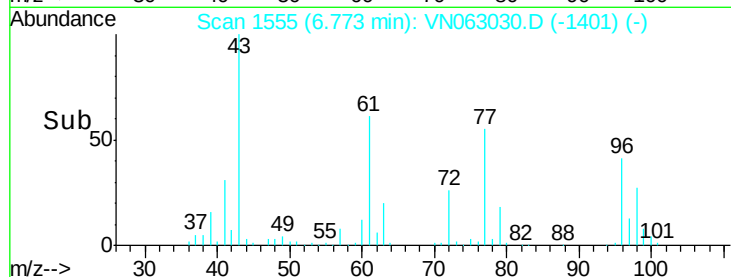
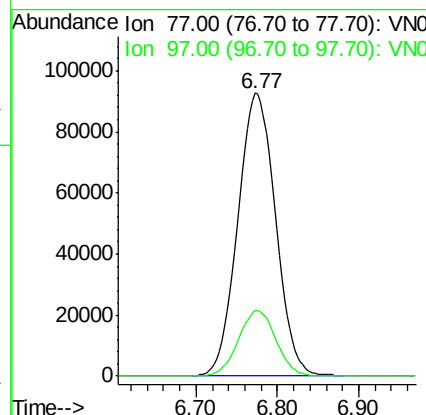
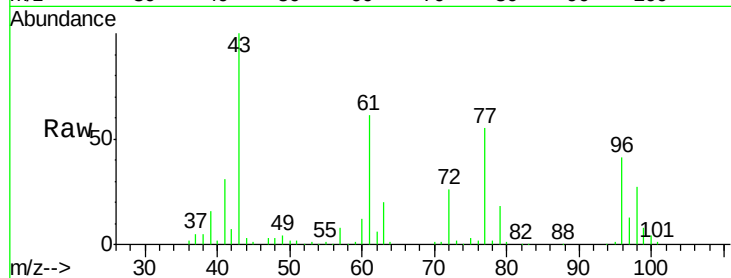




#31
 2,2-Dichloropropane
 Concen: 99.060 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

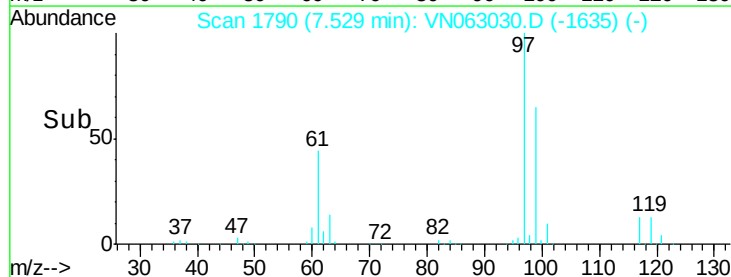
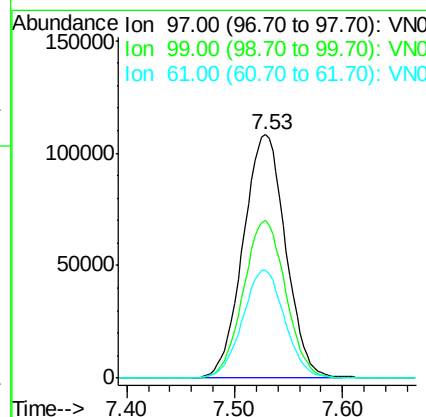
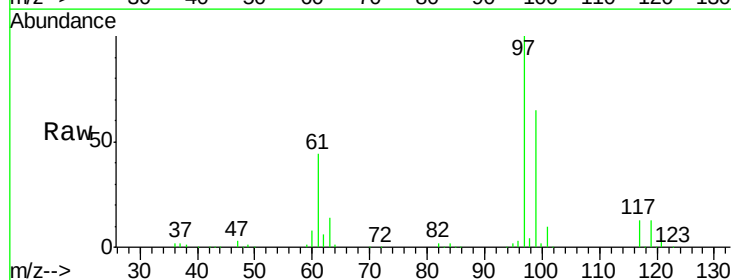
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

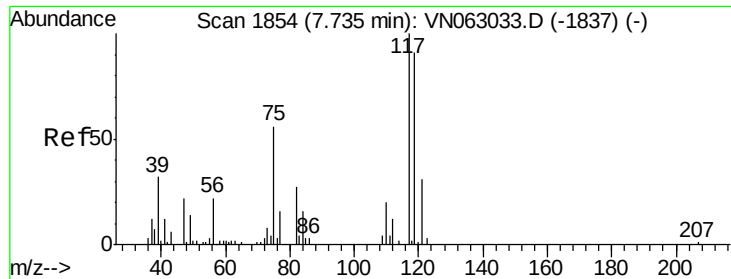
Tgt Ion: 77 Resp: 297665
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.2 27.4



#32
 1,1,1-Trichloroethane
 Concen: 99.406 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 97 Resp: 295979
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.7 77.5
 61 44.1 35.3 52.9

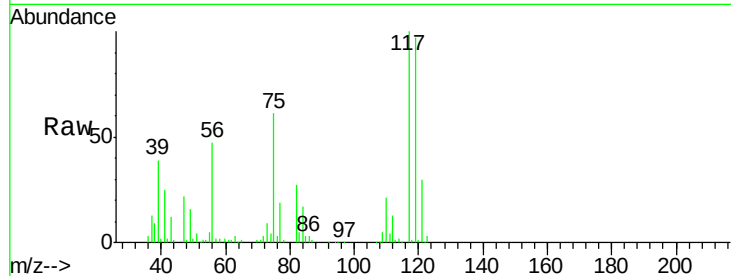




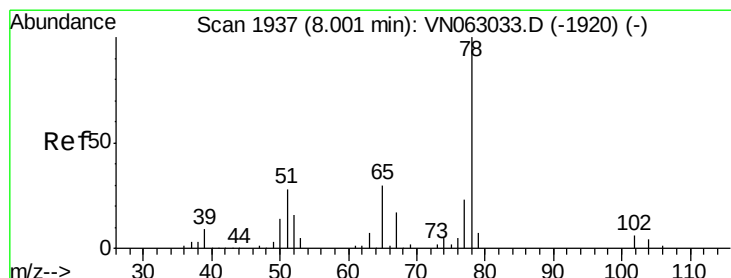
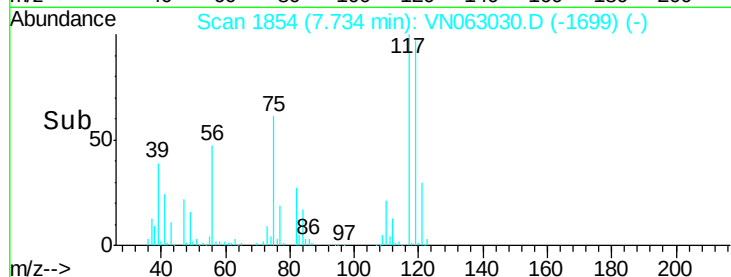
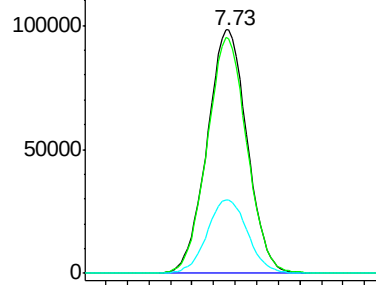
#33
Carbon Tetrachloride
Concen: 99.970 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tgt Ion: 117 Resp: 253470
Ion Ratio Lower Upper
117 100
119 96.6 73.0 109.4
121 30.0 24.9 37.3

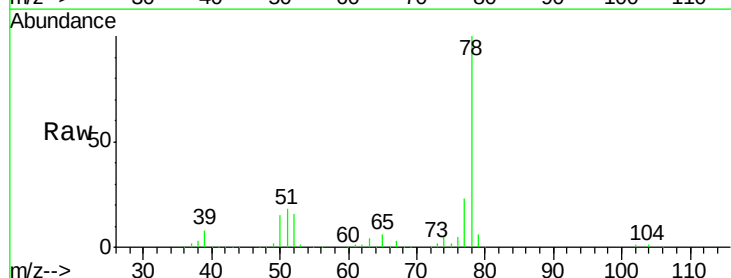


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

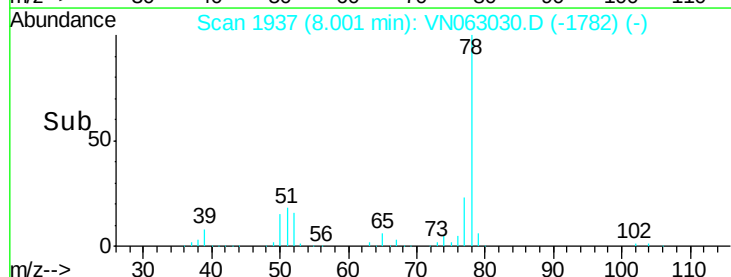
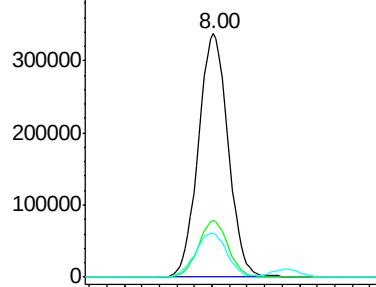


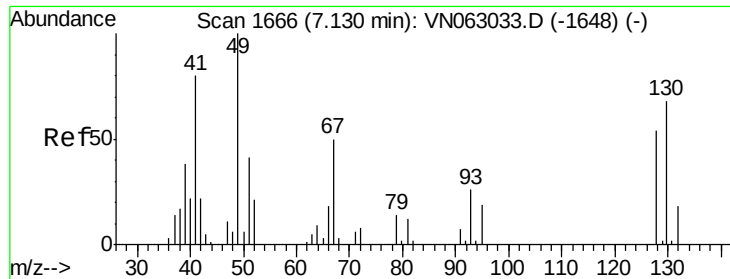
#34
Benzene
Concen: 100.762 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 78 Resp: 798262
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8
51 18.2 22.2 33.2#



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

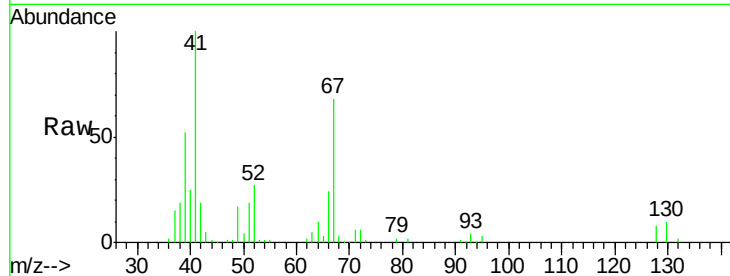




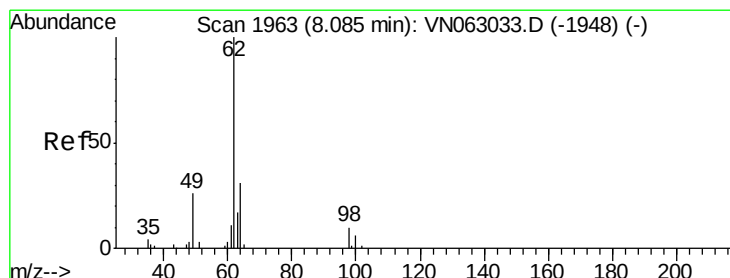
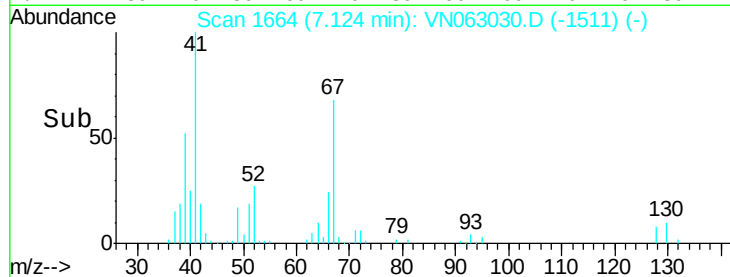
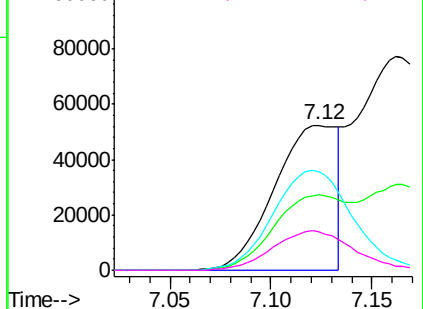
#35
Methacrylonitrile
Concen: 105.517 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	113385
Ion	Ratio	Lower	Upper
41	100		
39	52.0	23.7	71.1
67	68.1	31.6	94.7
52	26.3	13.1	39.3

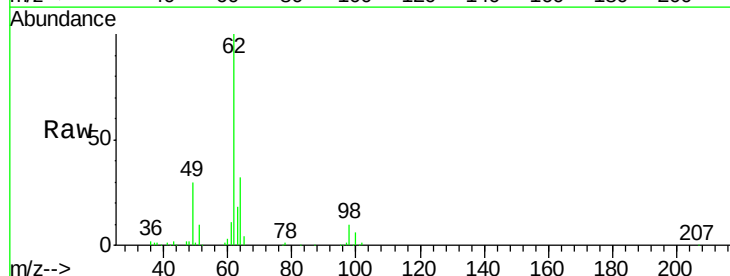


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

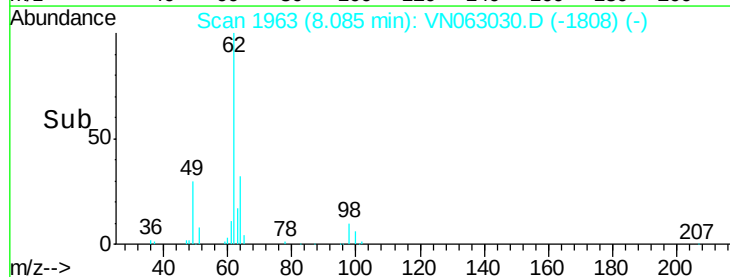
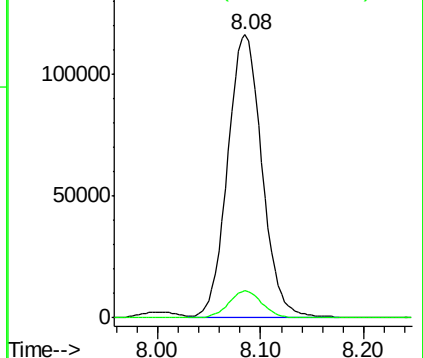


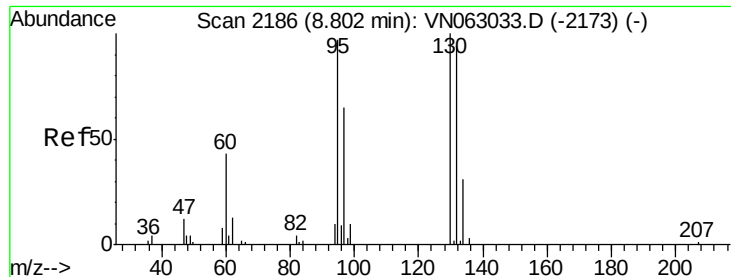
#36
1,2-Dichloroethane
Concen: 99.346 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion:	62	Resp:	268510
Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.6	11.4



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





#37

Trichloroethene

Concen: 100.615 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

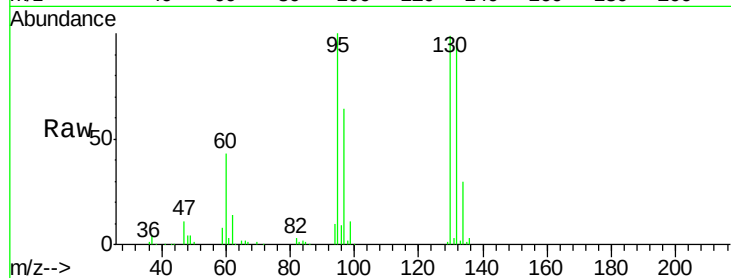
VSTDIC100

Tgt Ion:130 Resp: 195208

Ion Ratio Lower Upper

130 100

95 100.9 78.9 118.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

100000

80000

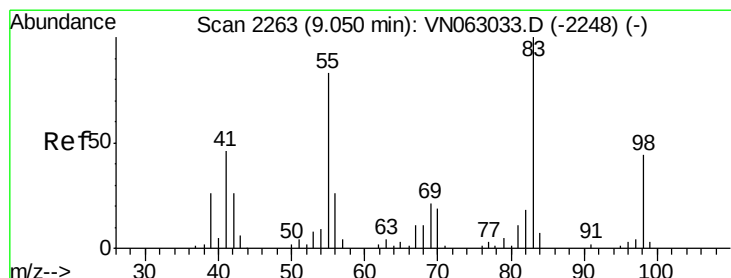
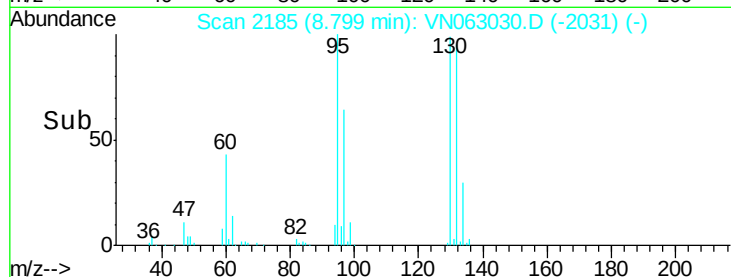
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 111.533 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

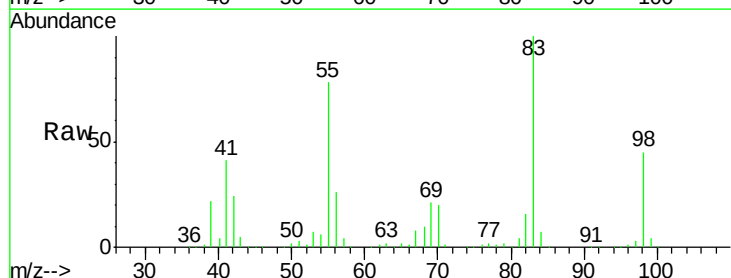
Tgt Ion: 83 Resp: 345838

Ion Ratio Lower Upper

83 100

55 79.0 41.9 125.7

98 44.8 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

200000

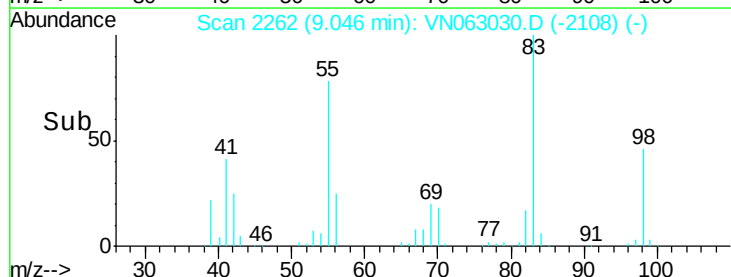
150000

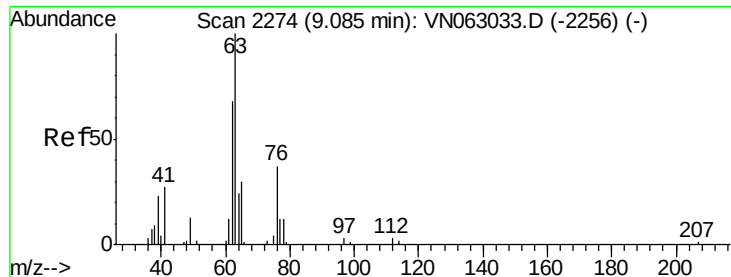
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 100.549 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

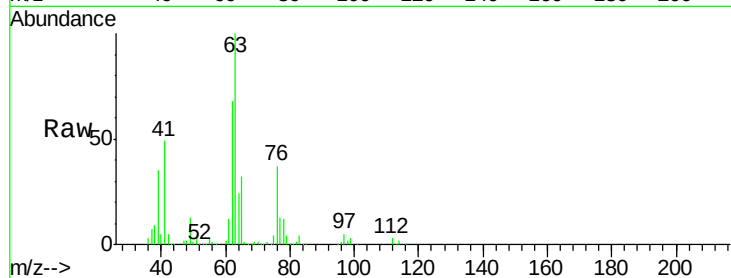
VSTDIC100

Tgt Ion: 63 Resp: 231835

Ion Ratio Lower Upper

63 100

65 32.0 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VN063033.D (-2256) (-)

Ion 65.00 (64.70 to 65.70): VN063033.D (-2256) (-)

9.08

120000

100000

80000

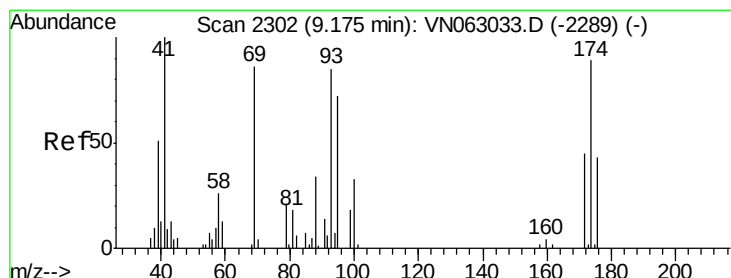
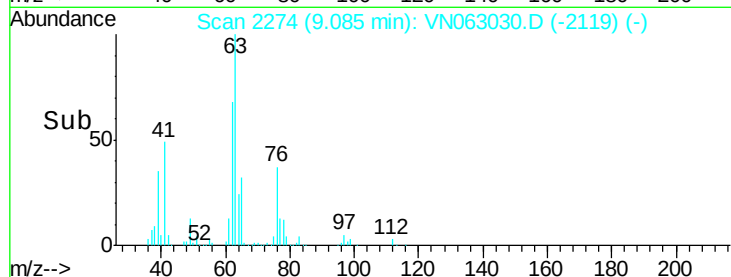
60000

40000

20000

0

Time-->



#40

Dibromomethane

Concen: 99.299 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

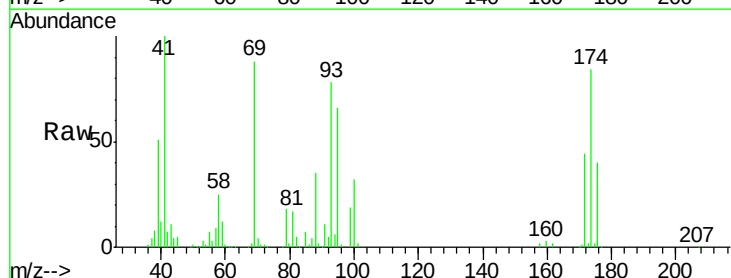
Tgt Ion: 93 Resp: 132929

Ion Ratio Lower Upper

93 100

95 85.0 0.0 168.2

174 107.5 0.0 208.4



Abundance Ion 93.00 (92.70 to 93.70): VN063033.D (-2289) (-)

Ion 95.00 (94.70 to 95.70): VN063033.D (-2289) (-)

Ion 174.00 (173.70 to 174.70): VN063033.D (-2289) (-)

9.17

80000

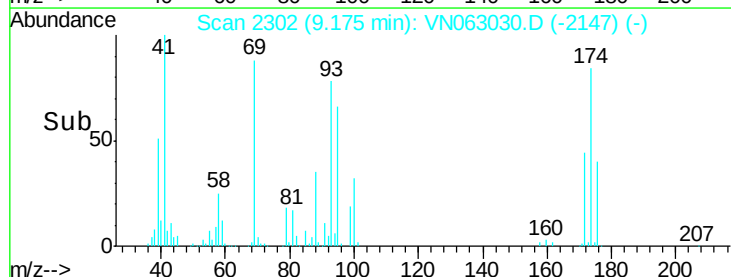
60000

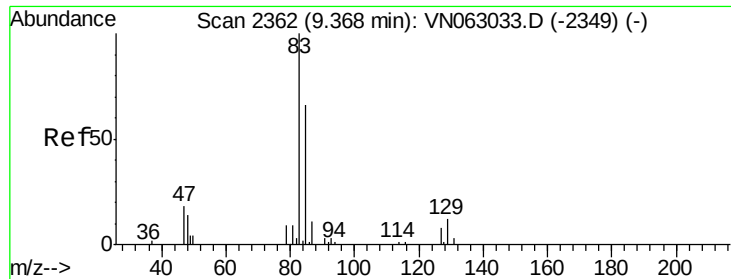
40000

20000

0

Time-->





#41

Bromodichloromethane

Concen: 99.764 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

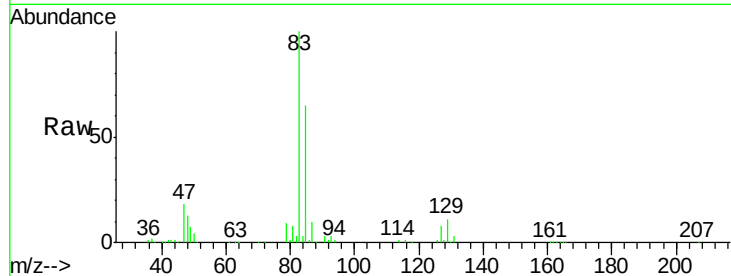
Tgt Ion: 83 Resp: 295954

Ion Ratio Lower Upper

83 100

85 65.2 52.6 79.0

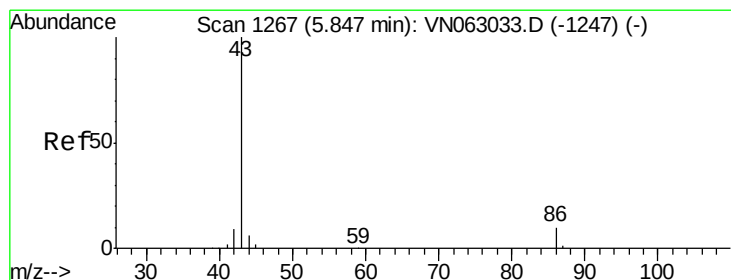
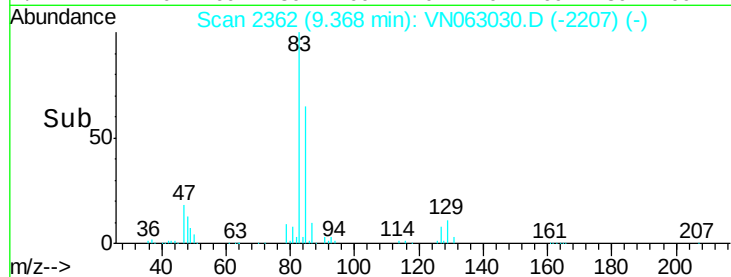
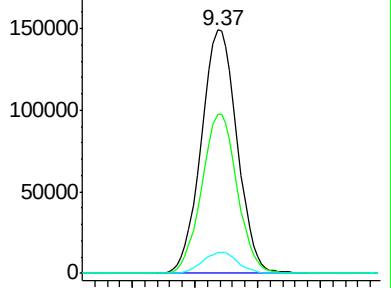
127 8.4 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VN063030.D (-2207) (-)

Ion 85.00 (84.70 to 85.70): VN063030.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VN063030.D (-2207) (-)



#42

Vinyl Acetate

Concen: 512.863 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN063030.D

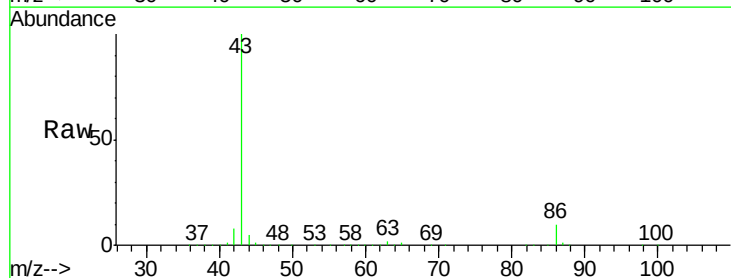
Acq: 20 Aug 2020 11:24

Tgt Ion: 43 Resp: 2238637

Ion Ratio Lower Upper

43 100

86 8.5 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN063030.D (-1112) (-)

Ion 86.00 (85.70 to 86.70): VN063030.D (-1112) (-)

Ion 127.00 (126.70 to 127.70): VN063030.D (-1112) (-)

Ion 159.00 (158.70 to 159.70): VN063030.D (-1112) (-)

Ion 183.00 (182.70 to 183.70): VN063030.D (-1112) (-)

Ion 200.00 (199.70 to 200.70): VN063030.D (-1112) (-)

Ion 227.00 (226.70 to 227.70): VN063030.D (-1112) (-)

Ion 253.00 (252.70 to 253.70): VN063030.D (-1112) (-)

Ion 281.00 (280.70 to 281.70): VN063030.D (-1112) (-)

Ion 309.00 (308.70 to 309.70): VN063030.D (-1112) (-)

Ion 337.00 (336.70 to 337.70): VN063030.D (-1112) (-)

Ion 365.00 (364.70 to 365.70): VN063030.D (-1112) (-)

Ion 393.00 (392.70 to 393.70): VN063030.D (-1112) (-)

Ion 421.00 (420.70 to 421.70): VN063030.D (-1112) (-)

Ion 449.00 (448.70 to 449.70): VN063030.D (-1112) (-)

Ion 477.00 (476.70 to 477.70): VN063030.D (-1112) (-)

Ion 505.00 (504.70 to 505.70): VN063030.D (-1112) (-)

Ion 533.00 (532.70 to 533.70): VN063030.D (-1112) (-)

Ion 561.00 (560.70 to 561.70): VN063030.D (-1112) (-)

Ion 589.00 (588.70 to 589.70): VN063030.D (-1112) (-)

Ion 617.00 (616.70 to 617.70): VN063030.D (-1112) (-)

Ion 645.00 (644.70 to 645.70): VN063030.D (-1112) (-)

Ion 673.00 (672.70 to 673.70): VN063030.D (-1112) (-)

Ion 701.00 (700.70 to 701.70): VN063030.D (-1112) (-)

Ion 729.00 (728.70 to 729.70): VN063030.D (-1112) (-)

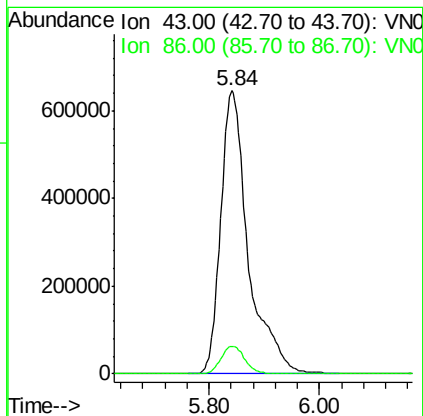
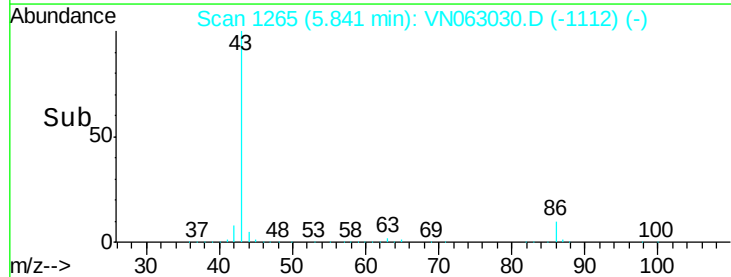
Ion 757.00 (756.70 to 757.70): VN063030.D (-1112) (-)

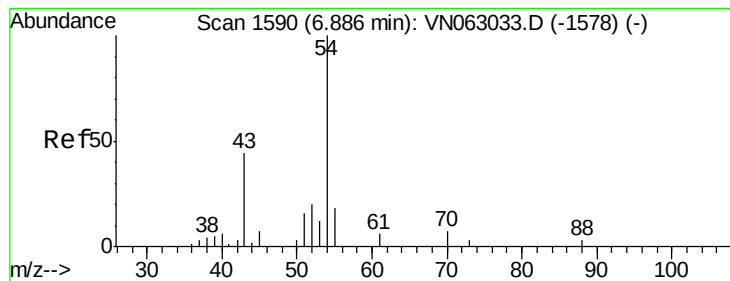
Ion 785.00 (784.70 to 785.70): VN063030.D (-1112) (-)

Ion 813.00 (812.70 to 813.70): VN063030.D (-1112) (-)

Ion 841.00 (840.70 to 841.70): VN063030.D (-1112) (-)

Ion 869.00 (868.70 to 869.70): VN063030.D (-1112) (-)





#43

Ethyl Acetate

Concen: 99.948 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

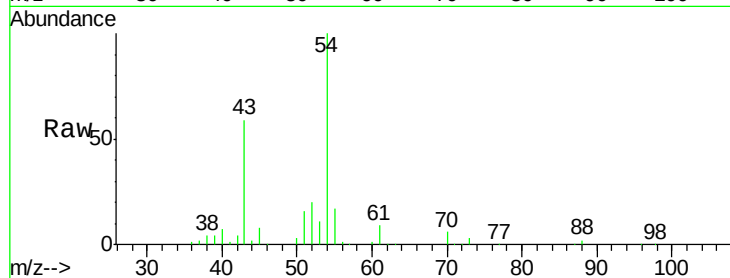
VSTDIC100

Tgt Ion: 43 Resp: 219814

Ion Ratio Lower Upper

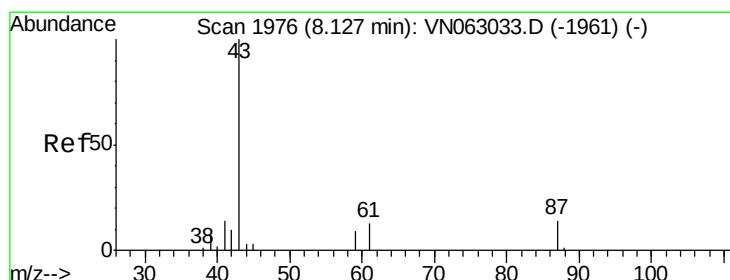
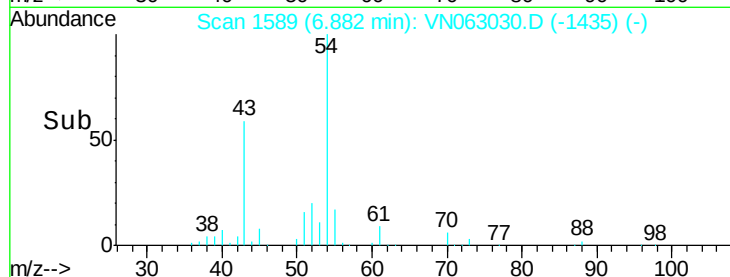
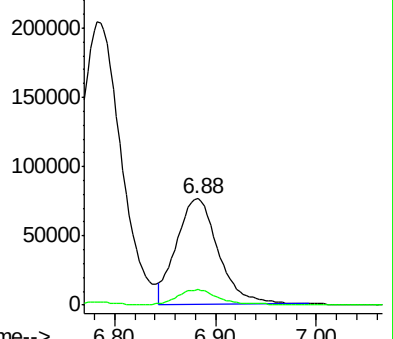
43 100

45 15.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 104.054 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063030.D

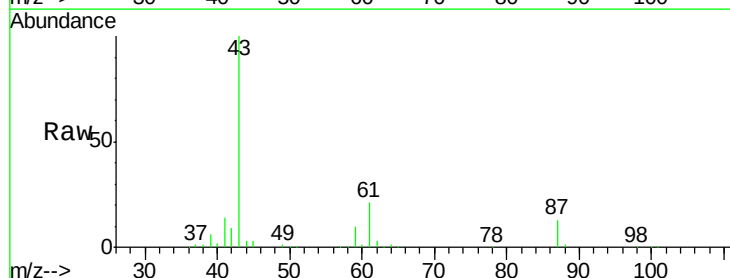
Acq: 20 Aug 2020 11:24

Tgt Ion: 43 Resp: 384175

Ion Ratio Lower Upper

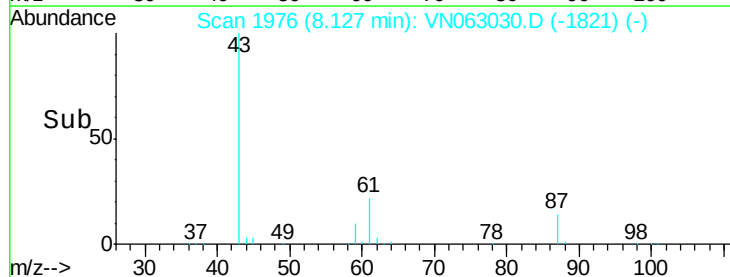
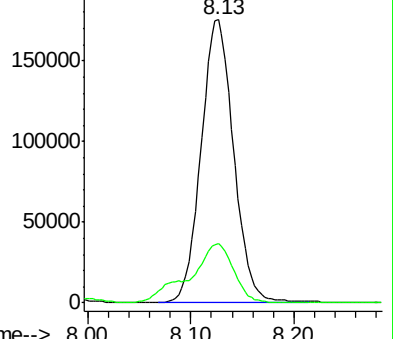
43 100

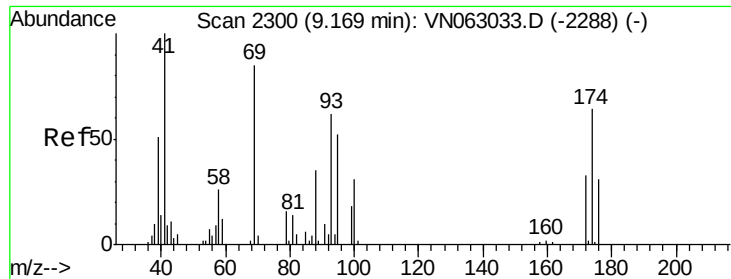
61 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

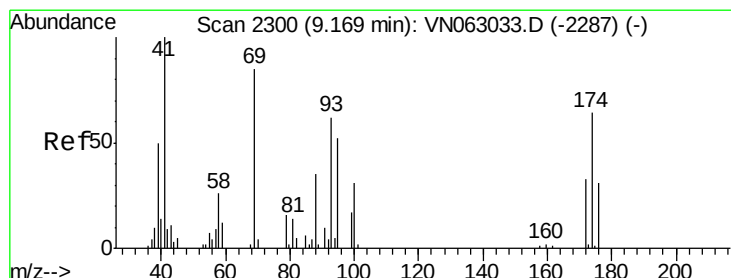
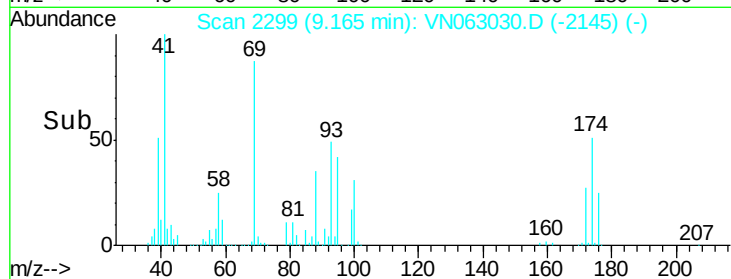
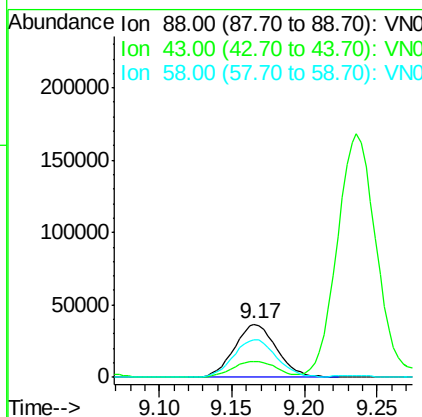
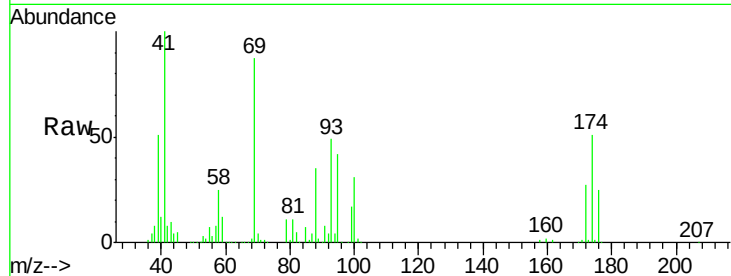




#45
 1,4-Dioxane
 Concen: 2153.866 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

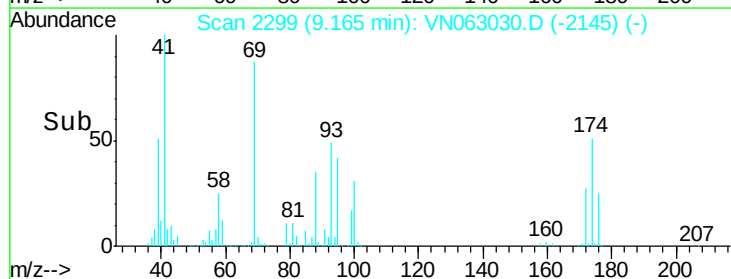
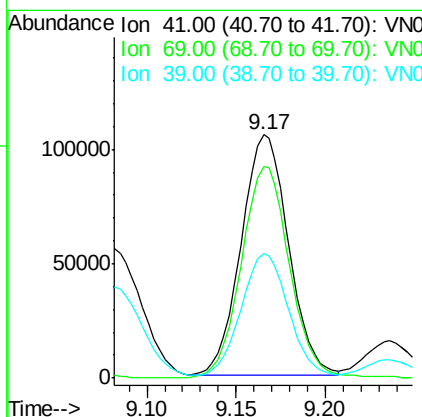
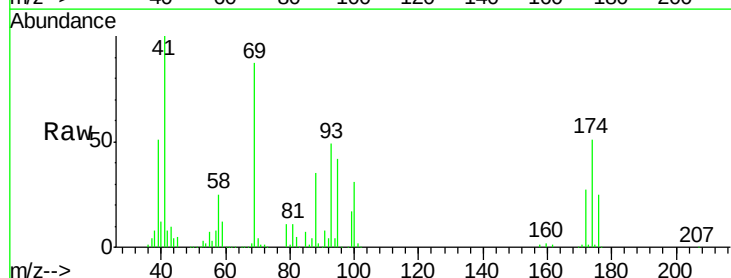
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

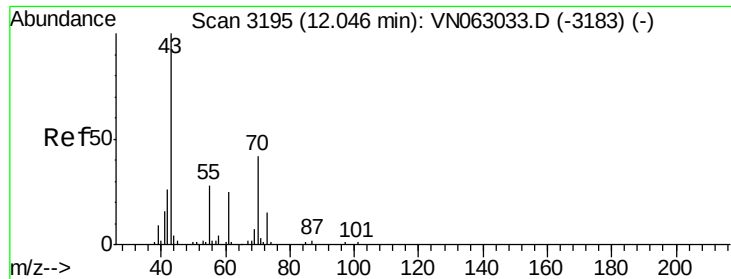
Tgt Ion: 88 Resp: 74479
 Ion Ratio Lower Upper
 88 100
 43 30.8 28.5 42.7
 58 72.3 59.6 89.4



#46
 Methyl methacrylate
 Concen: 107.002 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 41 Resp: 194504
 Ion Ratio Lower Upper
 41 100
 69 88.1 42.6 128.0
 39 50.7 25.1 75.4

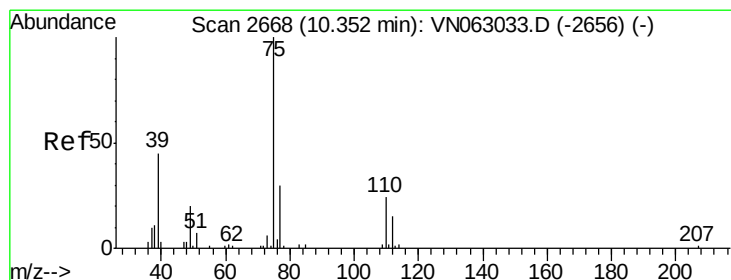
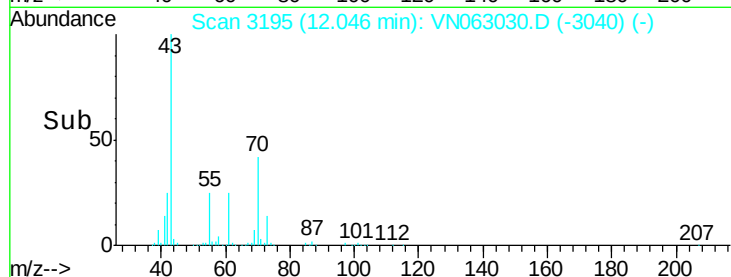
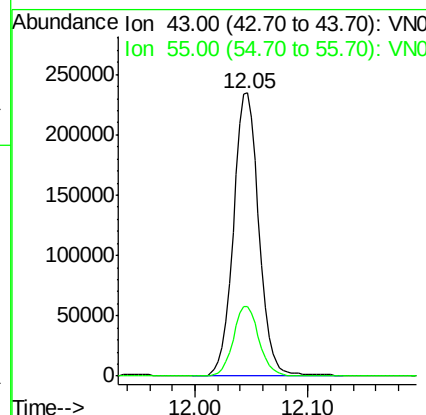
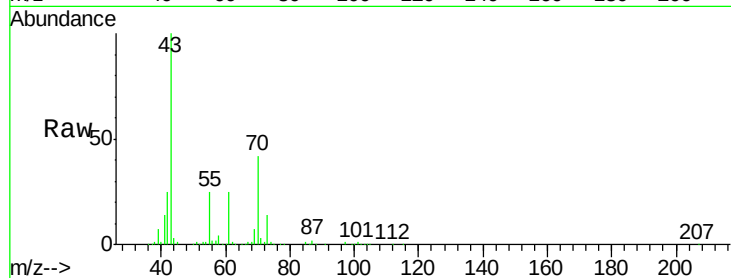




#47
n-amyl Acetate
Concen: 111.669 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

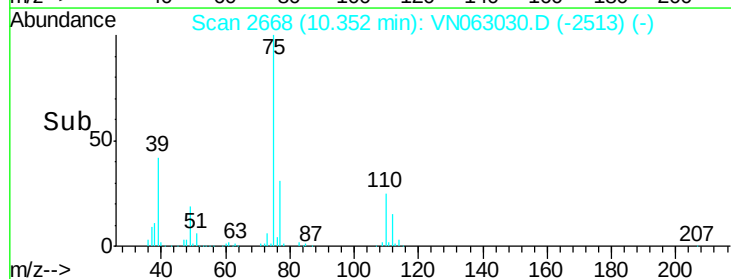
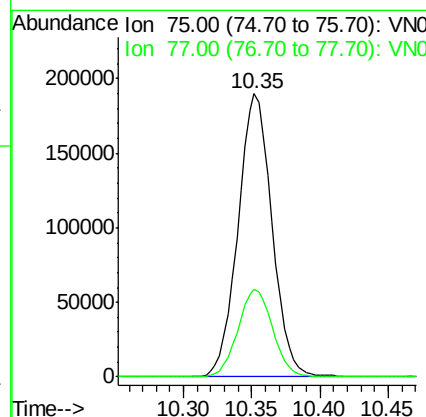
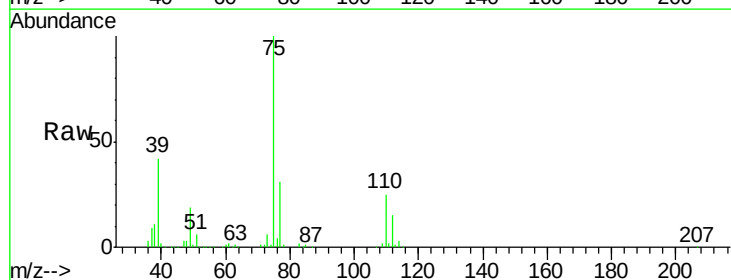
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

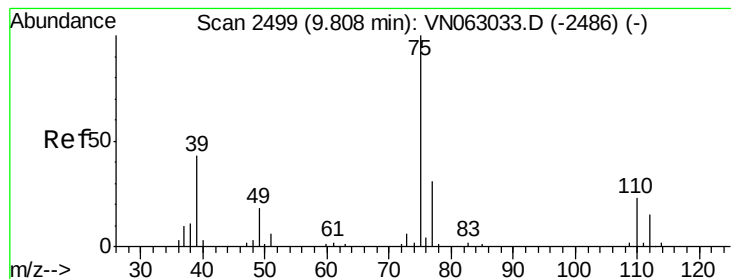
Tgt Ion: 43 Resp: 365930
Ion Ratio Lower Upper
43 100
55 25.2 21.2 31.8



#48
t-1,3-Dichloropropene
Concen: 104.757 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 75 Resp: 328211
Ion Ratio Lower Upper
75 100
77 31.0 23.8 35.8



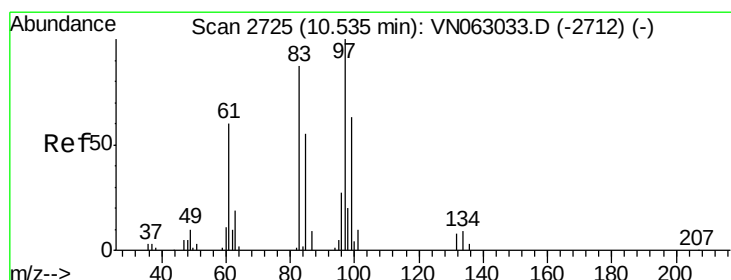
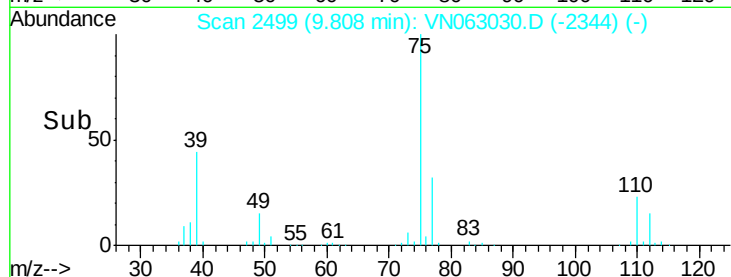
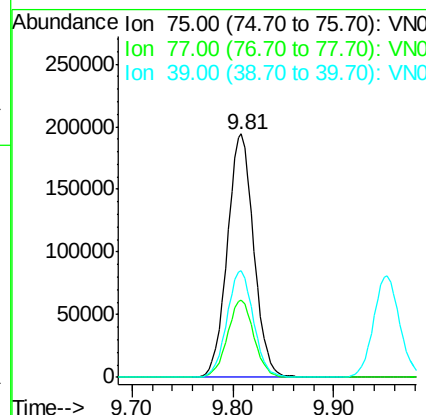
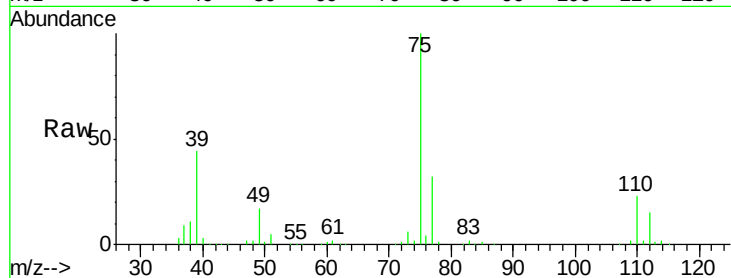


#49

cis-1,3-Dichloropropene
 Concen: 104.328 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

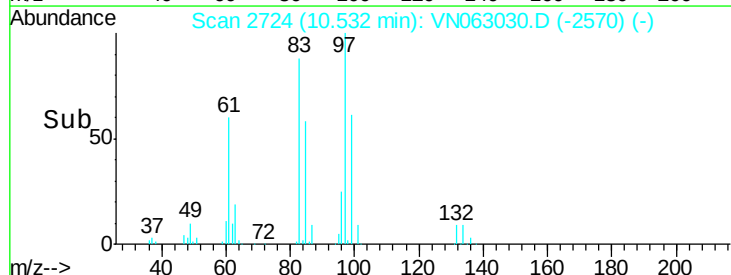
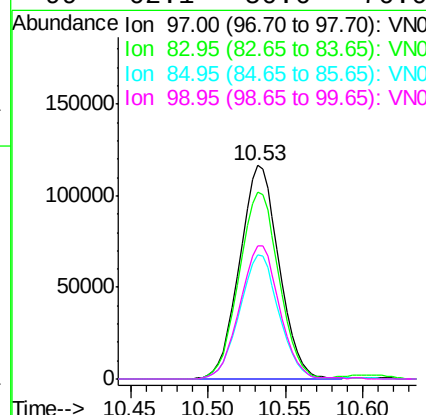
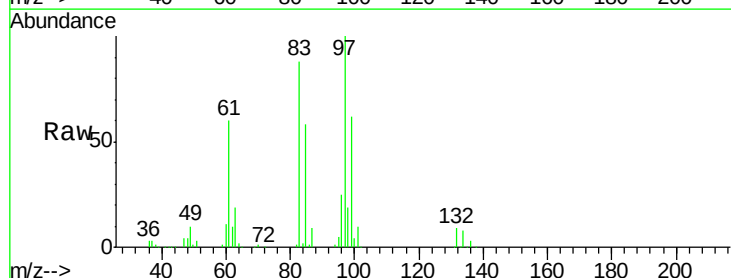
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	43.7	34.5	51.7

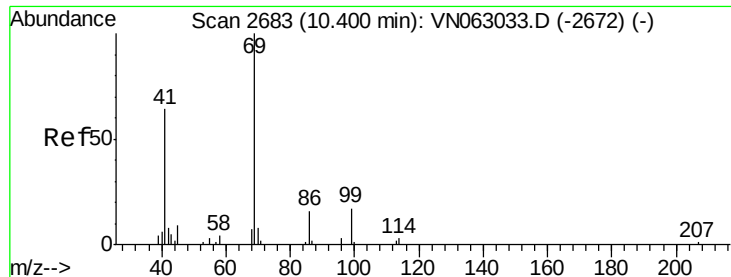


#50

1,1,2-Trichloroethane
 Concen: 100.020 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.9	104.9
85	58.4	44.0	66.0
99	62.1	50.6	76.0





#51

Ethyl methacrylate

Concen: 110.881 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

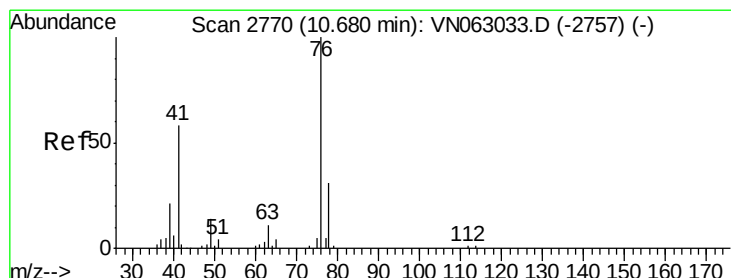
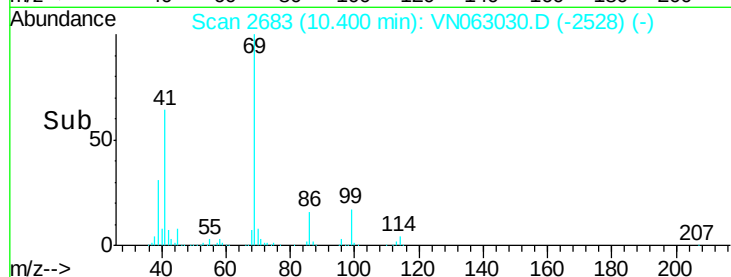
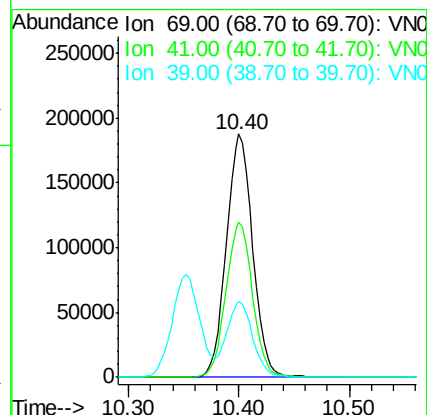
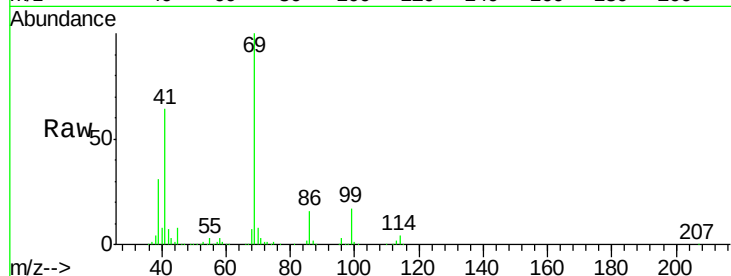
Tgt Ion: 69 Resp: 311374

Ion Ratio Lower Upper

69 100

41 63.7 32.1 96.5

39 31.1 16.1 48.3



#52

1,3-Dichloropropane

Concen: 101.902 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063030.D

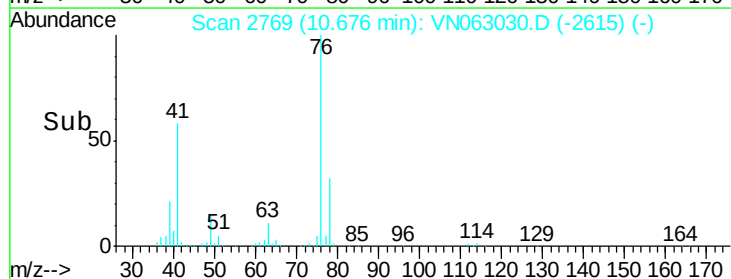
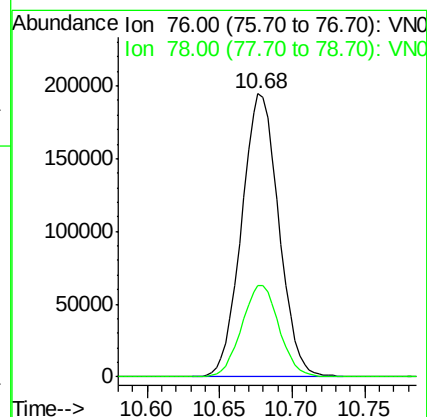
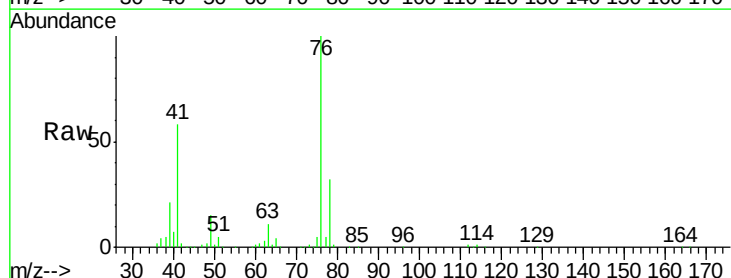
Acq: 20 Aug 2020 11:24

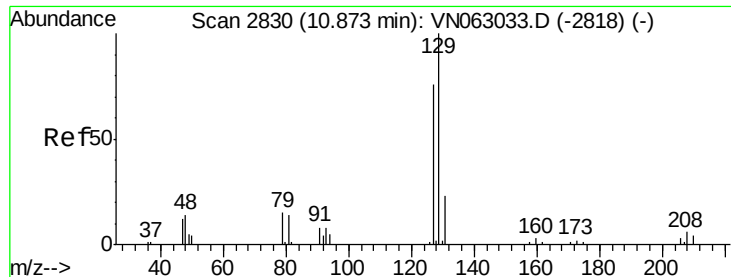
Tgt Ion: 76 Resp: 347493

Ion Ratio Lower Upper

76 100

78 32.6 0.0 63.2

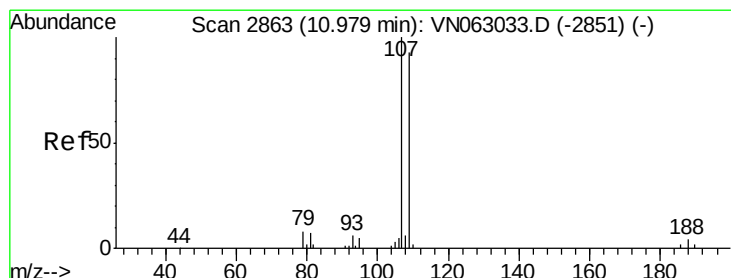
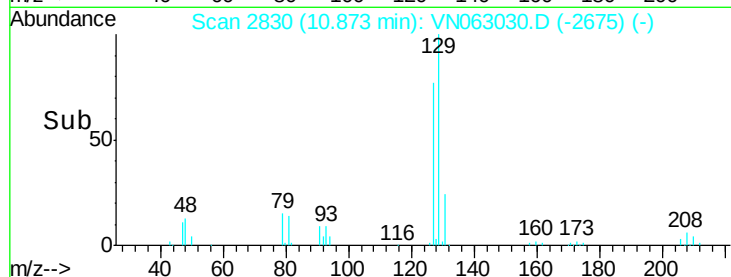
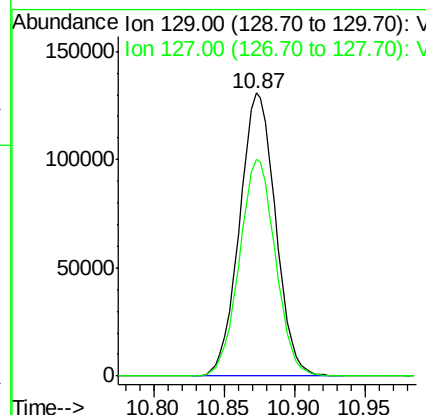
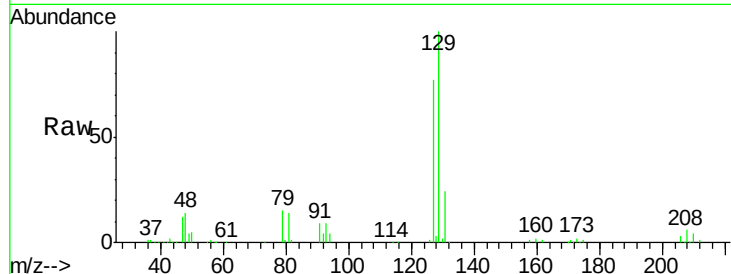




#53
 Dibromochloromethane
 Concen: 103.507 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

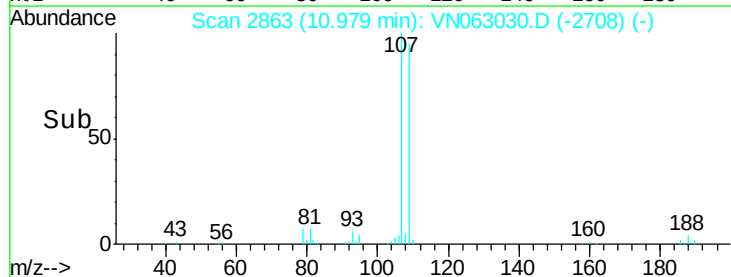
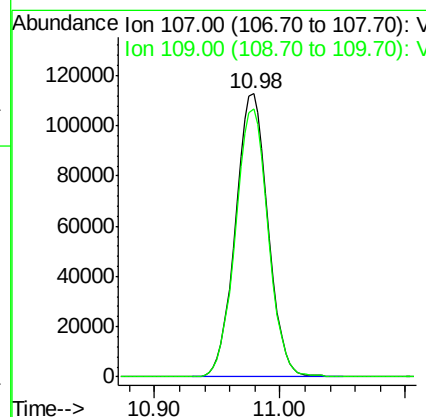
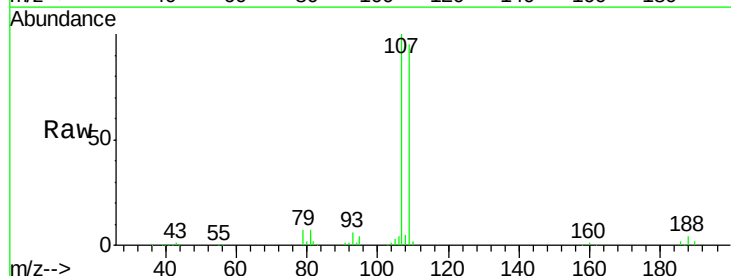
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

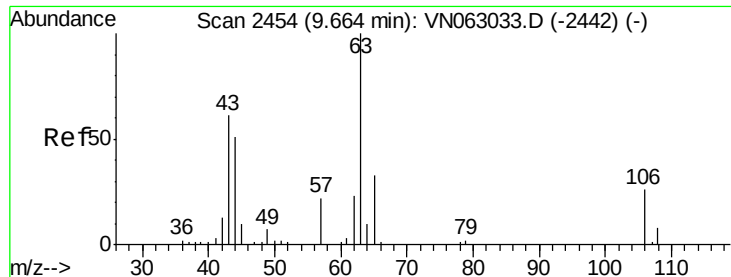
Tgt Ion:129 Resp: 234444
 Ion Ratio Lower Upper
 129 100
 127 76.5 38.7 116.1



#54
 1,2-Dibromoethane
 Concen: 102.452 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:107 Resp: 202861
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.3 114.5





#55

2-Chloroethyl vinyl ether

Concen: 616.355 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

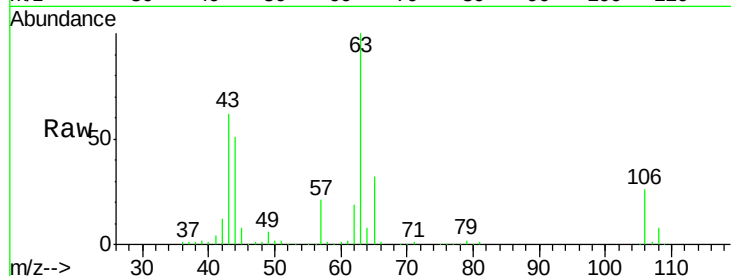
Tgt Ion: 63 Resp: 35527

Ion Ratio Lower Upper

63 100

65 32.3 25.9 38.9

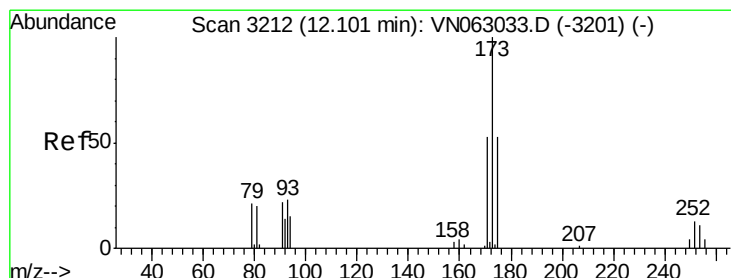
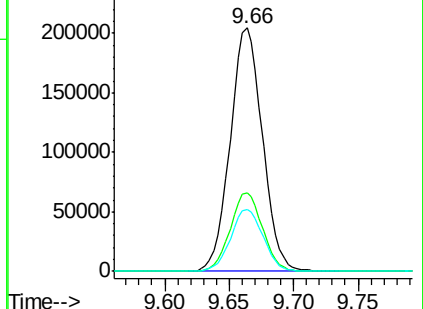
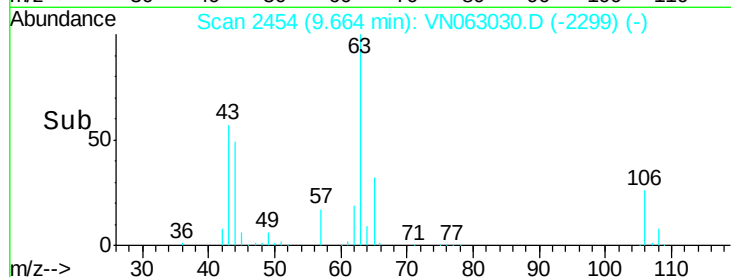
106 25.7 19.9 29.9



Abundance Ion 63.00 (62.70 to 63.70): VN063030.D (-2299) (-)

Ion 65.00 (64.70 to 65.70): VN063030.D (-2299) (-)

Ion 106.00 (105.70 to 106.70): VN063030.D (-2299) (-)



#56

Bromoform

Concen: 105.503 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

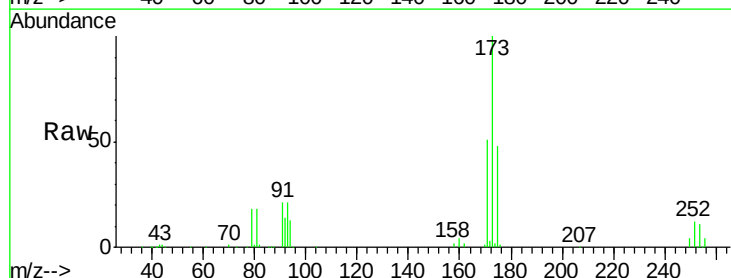
Tgt Ion: 173 Resp: 174987

Ion Ratio Lower Upper

173 100

175 48.9 41.2 61.8

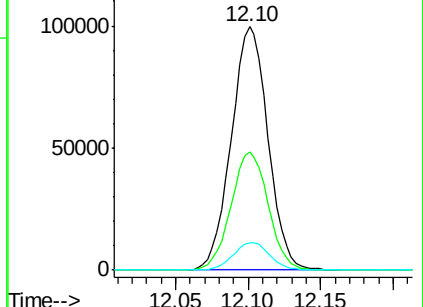
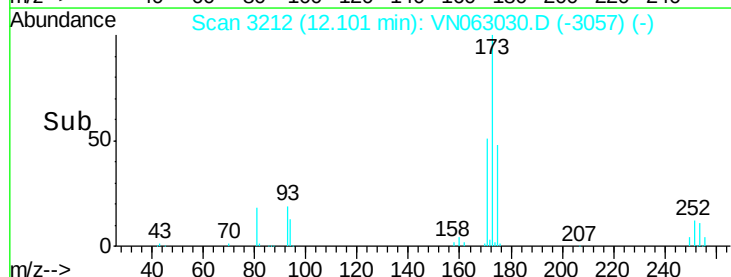
254 11.2 9.0 13.4

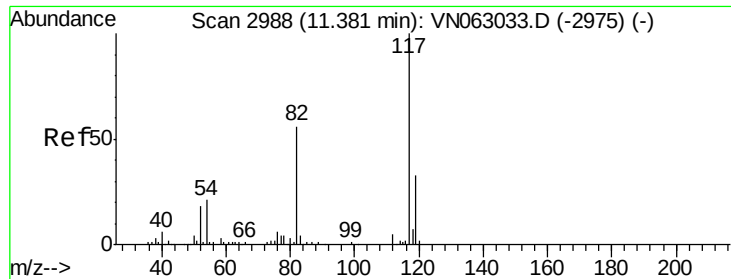


Abundance Ion 173.00 (172.70 to 173.70): VN063030.D (-3057) (-)

Ion 175.00 (174.70 to 175.70): VN063030.D (-3057) (-)

Ion 254.00 (253.70 to 254.70): VN063030.D (-3057) (-)

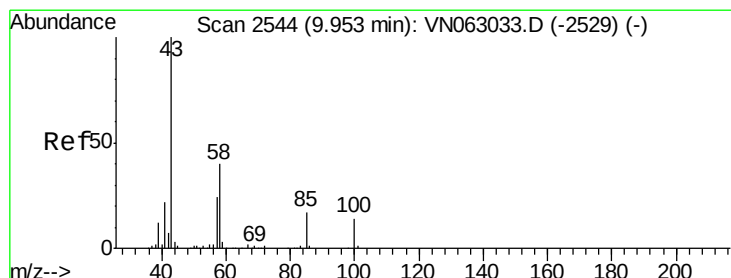
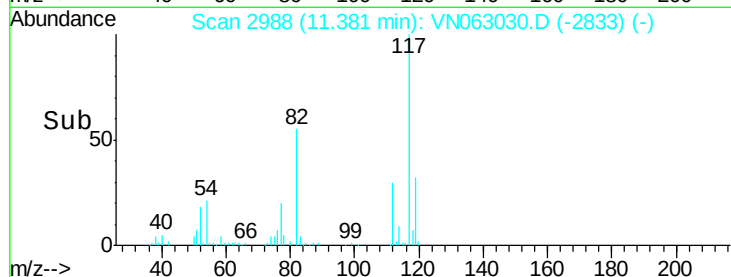
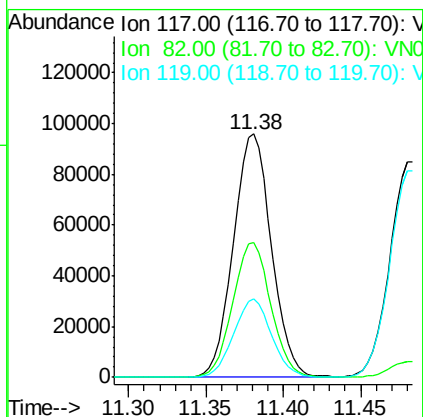
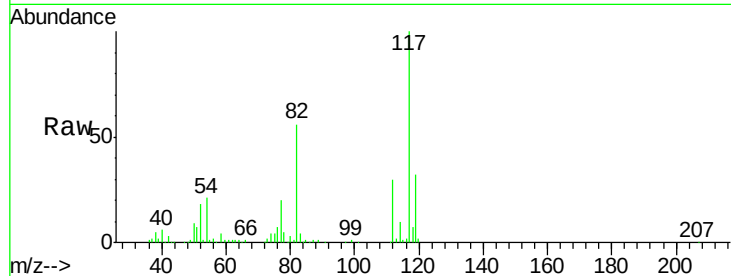




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

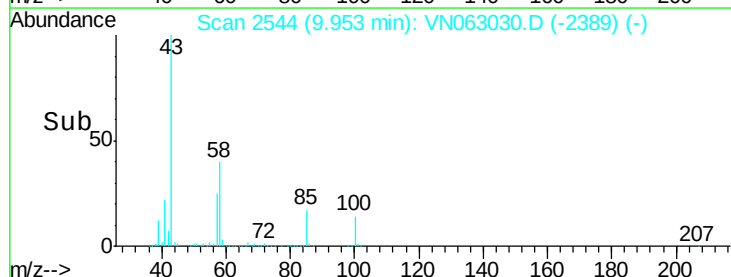
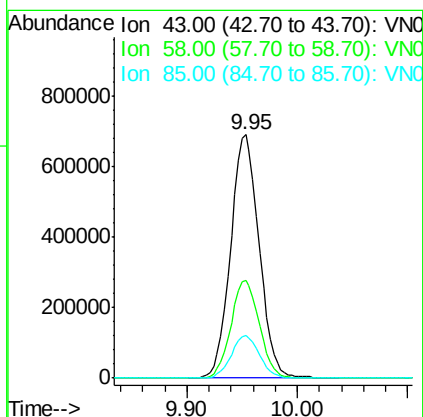
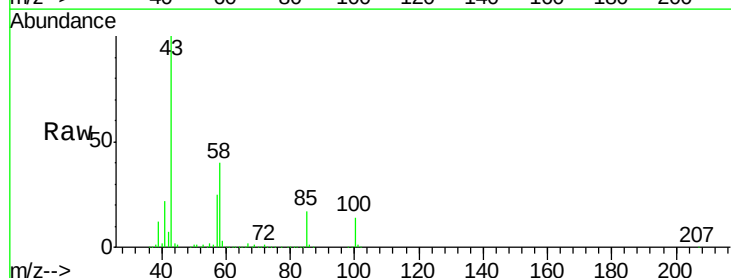
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

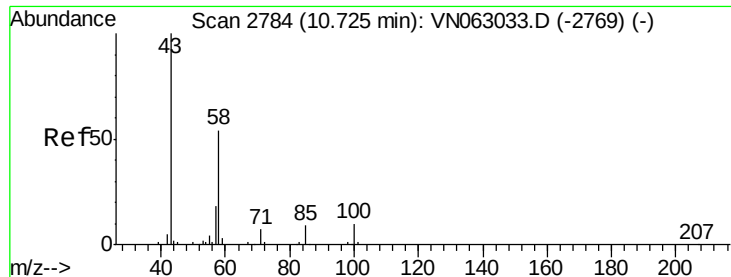
Tgt Ion: 117 Resp: 164057
Ion Ratio Lower Upper
117 100
82 55.4 44.9 67.3
119 32.0 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 522.334 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 43 Resp: 1232726
Ion Ratio Lower Upper
43 100
58 40.1 31.4 47.0
85 17.4 13.4 20.2

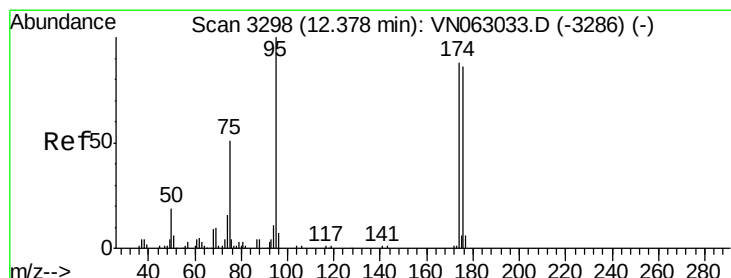
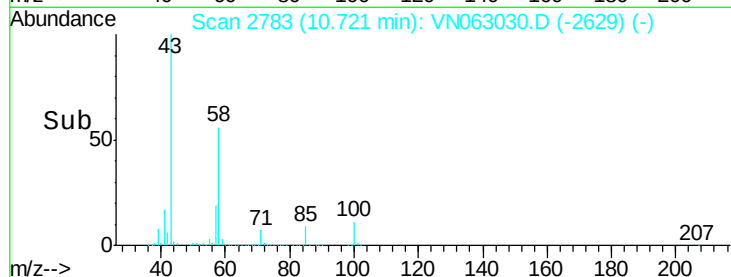
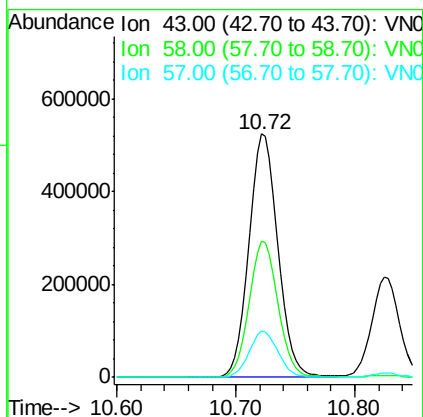
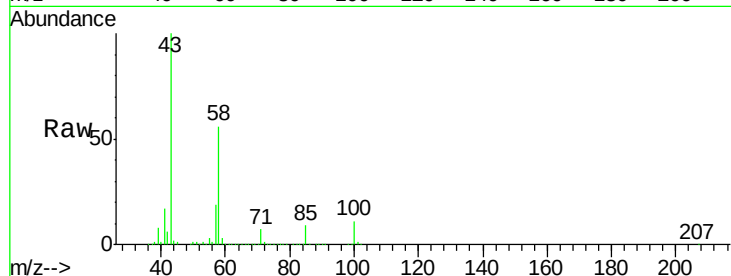




#59
2-Hexanone
Concen: 525.053 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

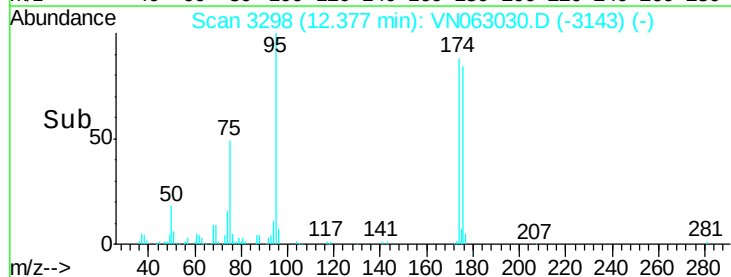
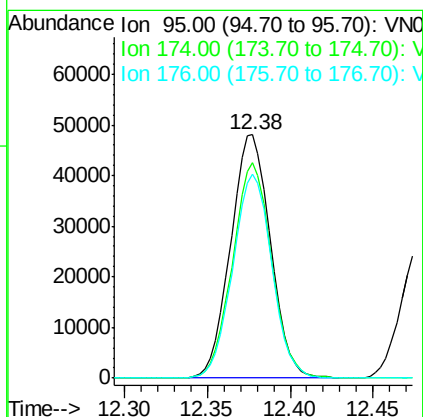
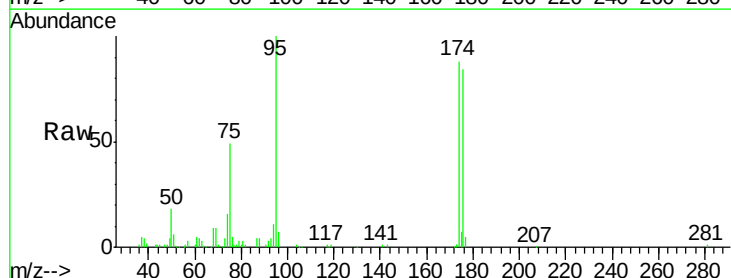
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

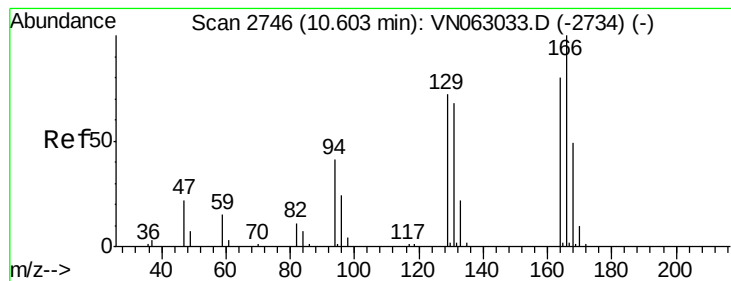
Tgt Ion: 43 Resp: 883946
Ion Ratio Lower Upper
43 100
58 55.9 42.6 64.0
57 19.0 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 31.042 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 95 Resp: 80474
Ion Ratio Lower Upper
95 100
174 86.4 70.1 105.1
176 81.9 66.8 100.2





#61

Tetrachloroethene

Concen: 98.384 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 176943

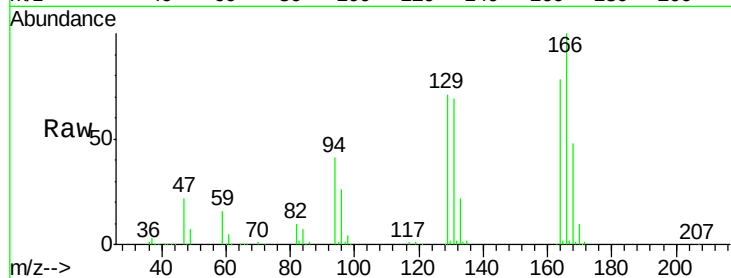
Ion Ratio Lower Upper

164 100

166 128.2 100.1 150.1

129 91.6 72.5 108.7

131 88.4 68.4 102.6

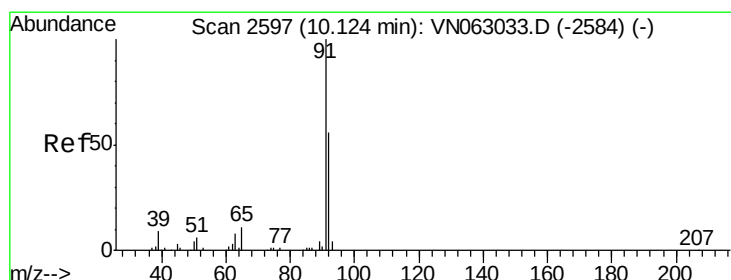
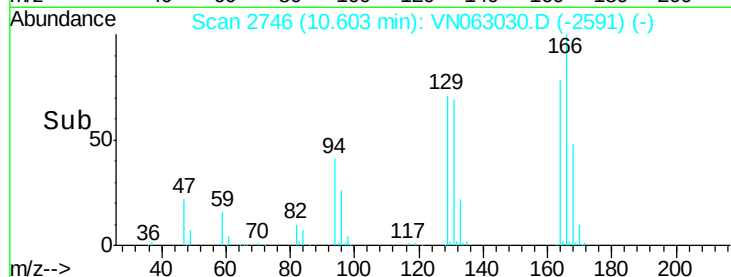
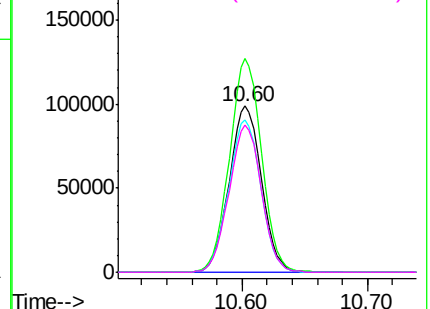


Abundance Ion 163.85 (163.55 to 164.55): V

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: 100.601 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063030.D

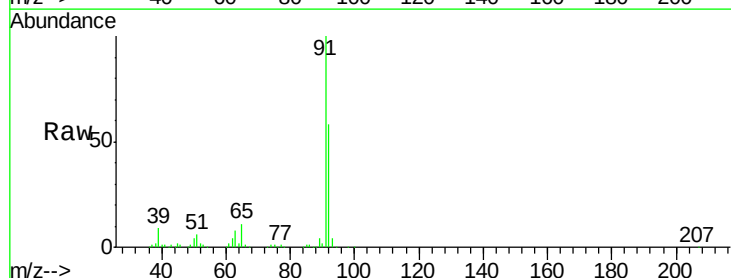
Acq: 20 Aug 2020 11:24

Tgt Ion: 91 Resp: 874698

Ion Ratio Lower Upper

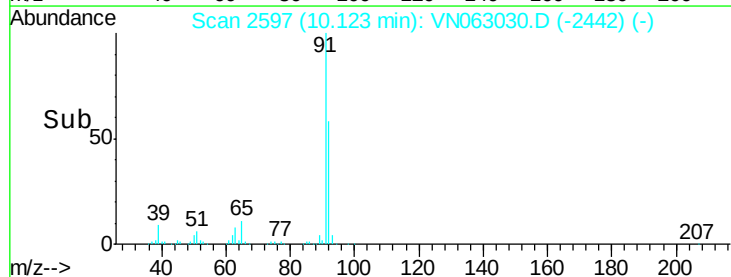
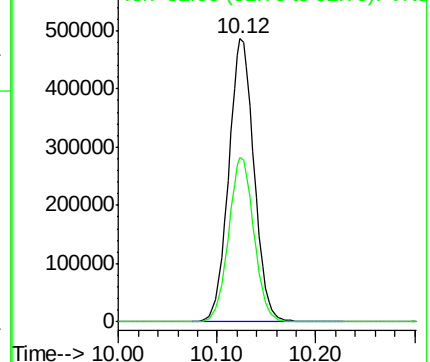
91 100

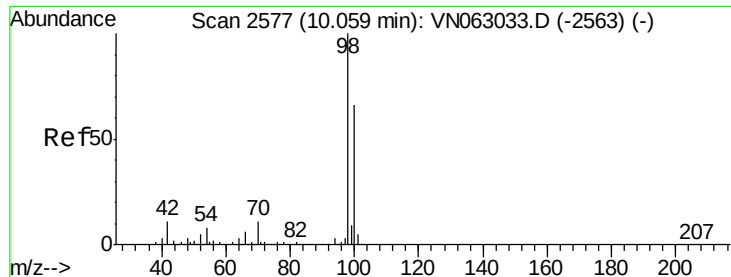
92 58.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.050 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

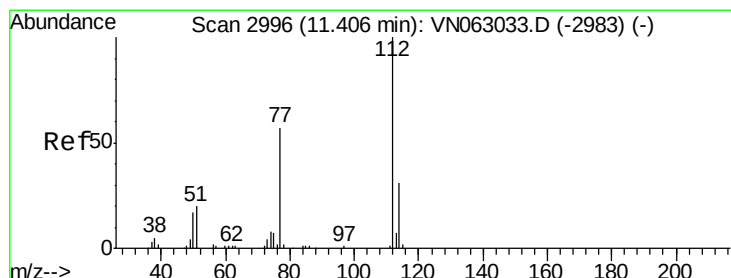
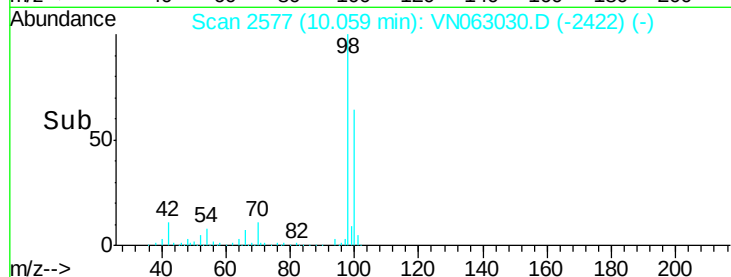
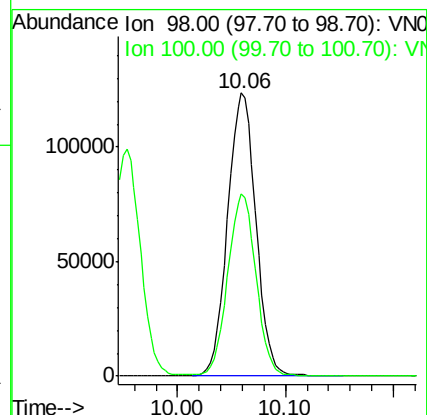
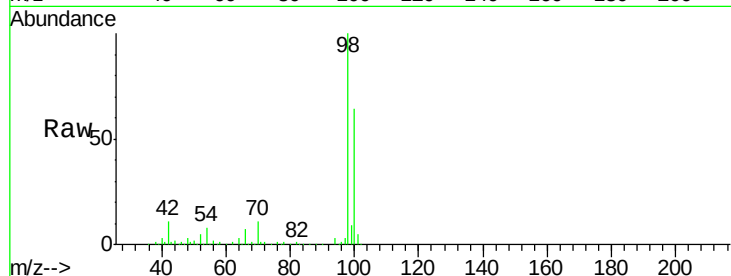
VSTDICC100

Tgt Ion: 98 Resp: 226252

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#64

Chlorobenzene

Concen: 102.159 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063030.D

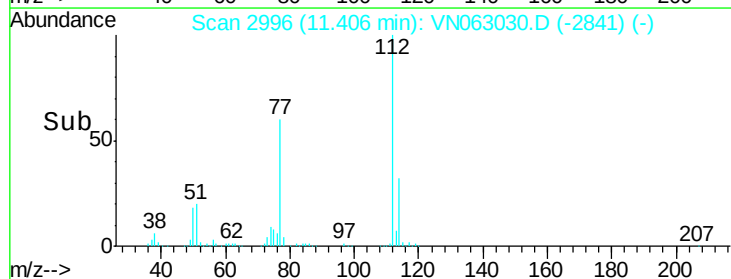
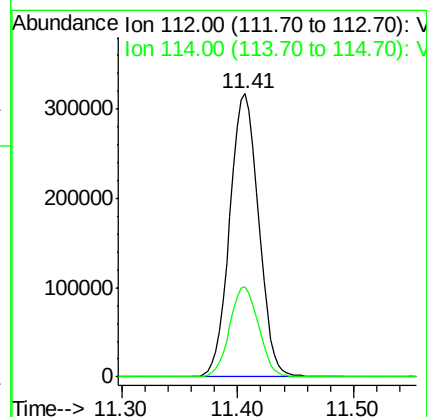
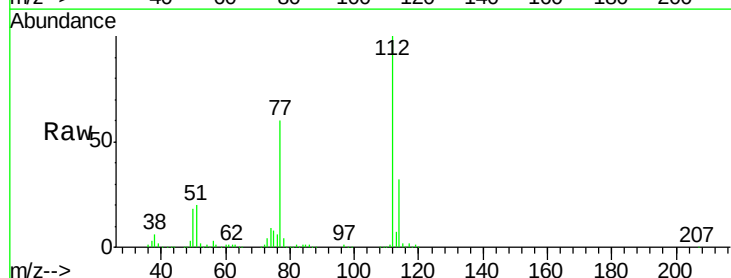
Acq: 20 Aug 2020 11:24

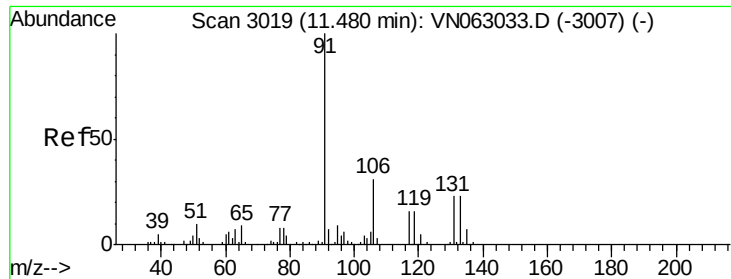
Tgt Ion: 112 Resp: 549620

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 101.873 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

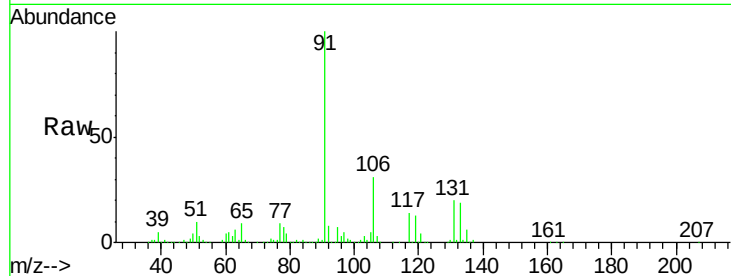
Tgt Ion:131 Resp: 217235

Ion Ratio Lower Upper

131 100

133 95.3 0.0 191.2

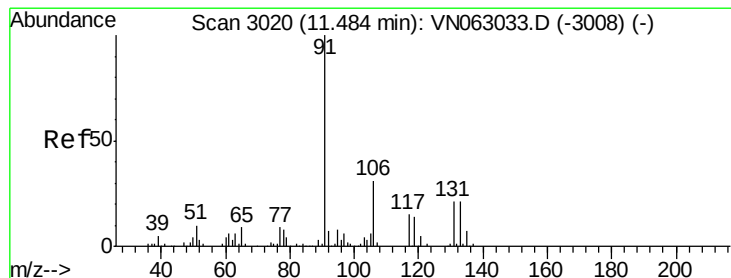
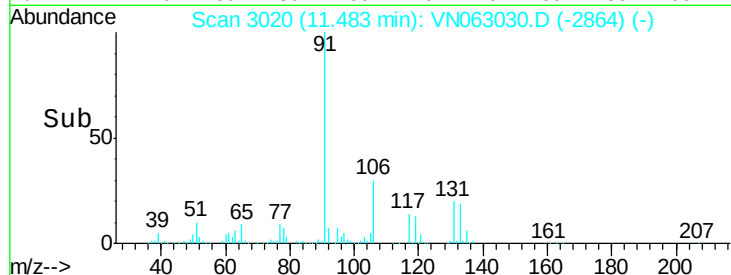
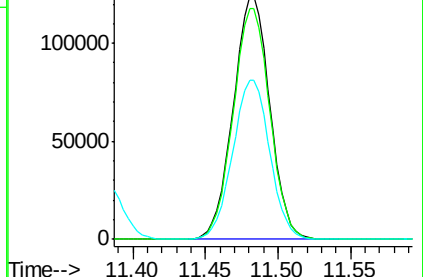
119 66.3 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 106.786 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN063030.D

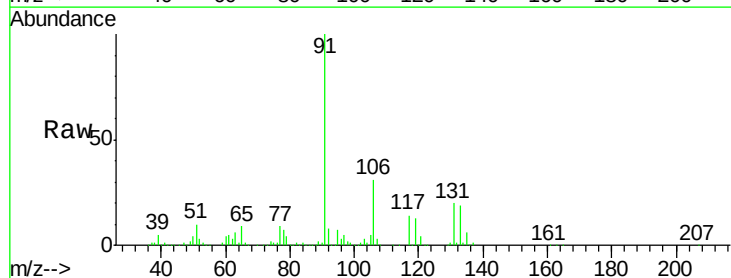
Acq: 20 Aug 2020 11:24

Tgt Ion: 91 Resp: 1012102

Ion Ratio Lower Upper

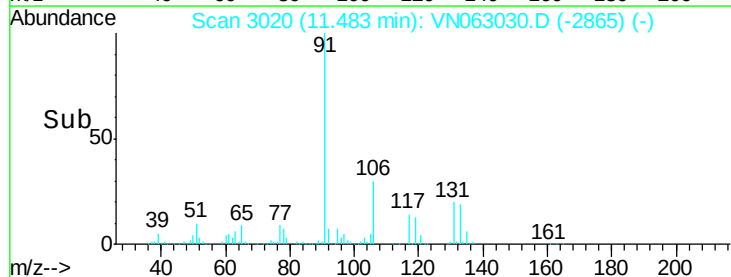
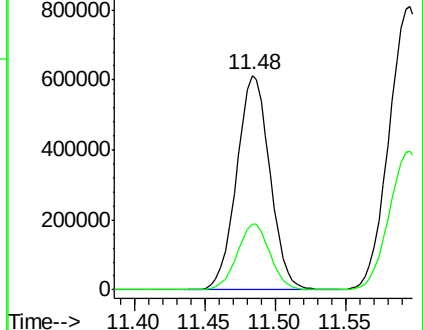
91 100

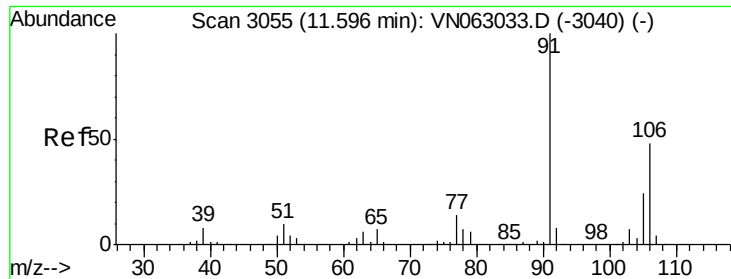
106 30.8 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

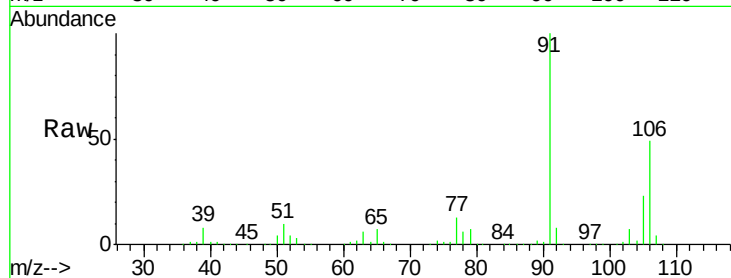




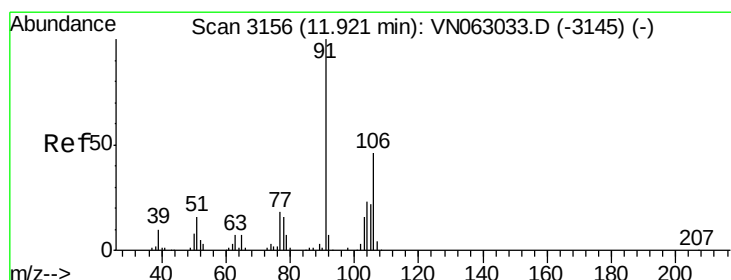
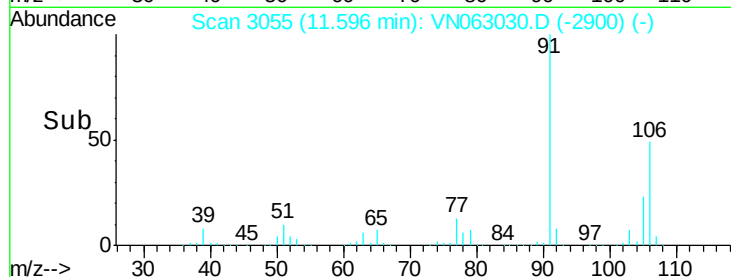
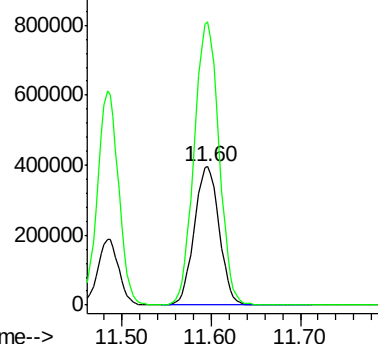
#67
m/p-Xylenes
Concen: 215.276 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 764368
Ion Ratio Lower Upper
106 100
91 204.4 164.9 247.3

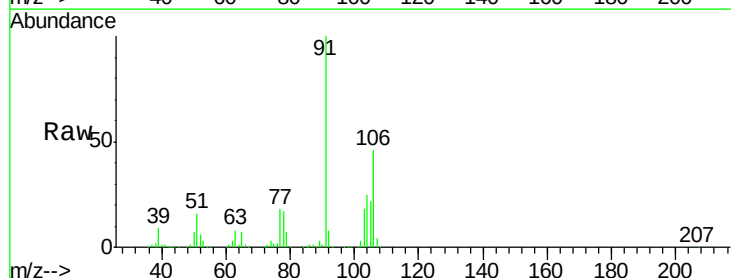


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

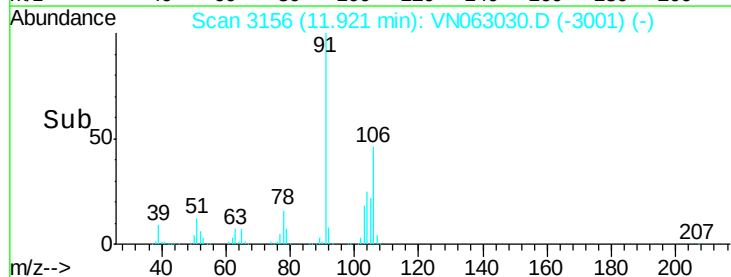
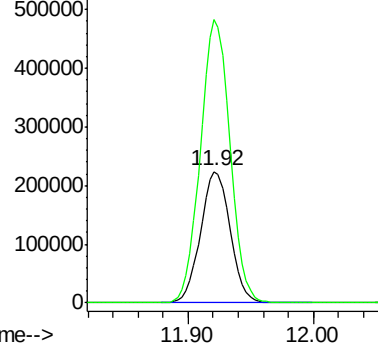


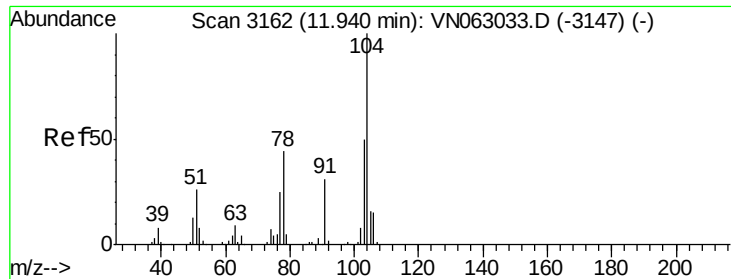
#68
o-Xylene
Concen: 107.773 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion:106 Resp: 367583
Ion Ratio Lower Upper
106 100
91 214.7 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

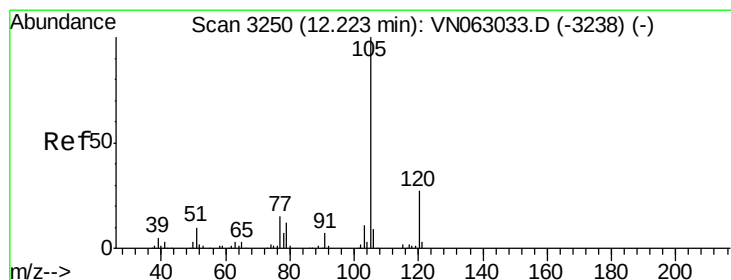
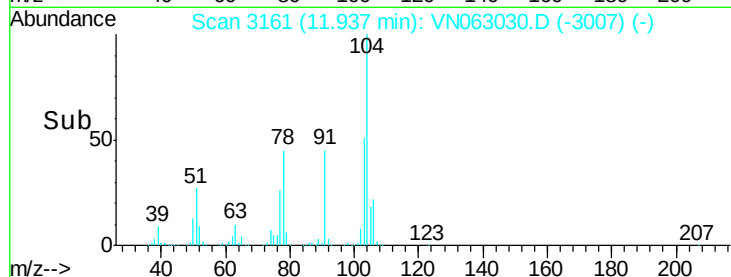
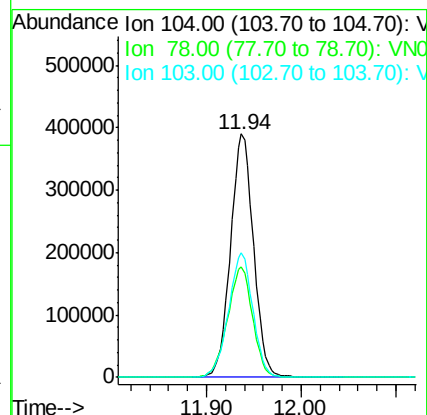
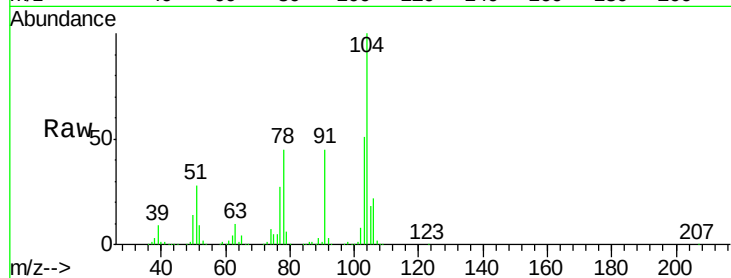




#69
 Styrene
 Concen: 110.488 ug/l
 RT: 11.94 min Scan# 3161
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

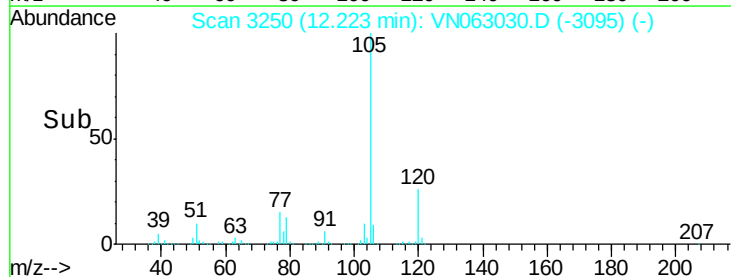
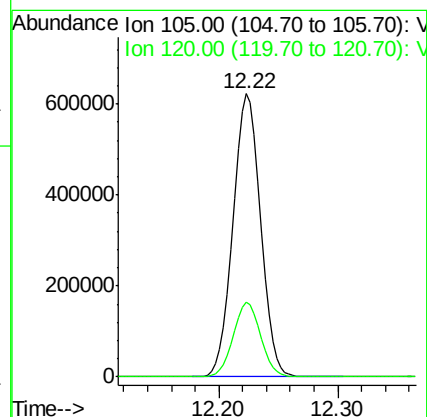
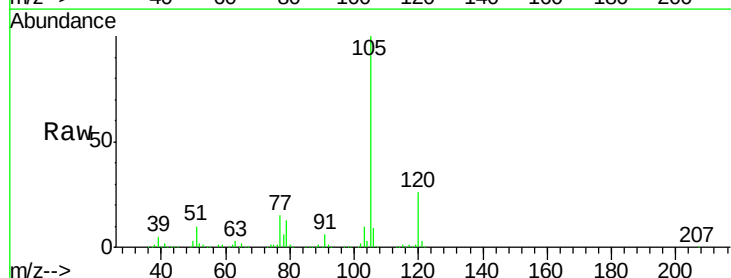
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

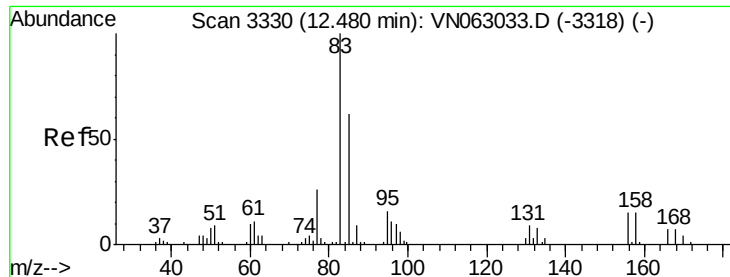
Tgt Ion:104 Resp: 658305
 Ion Ratio Lower Upper
 104 100
 78 49.5 39.6 59.4
 103 54.5 44.4 66.6



#70
 Isopropylbenzene
 Concen: 107.809 ug/l
 RT: 12.22 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:105 Resp: 1000285
 Ion Ratio Lower Upper
 105 100
 120 26.3 18.5 34.3

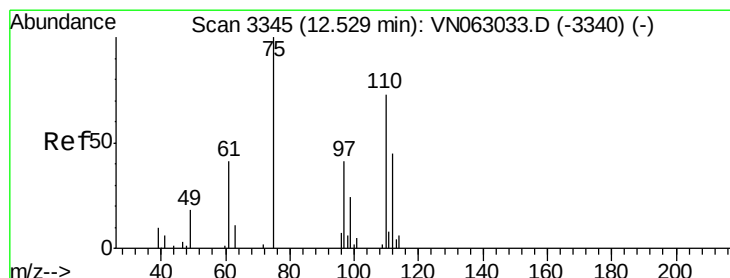
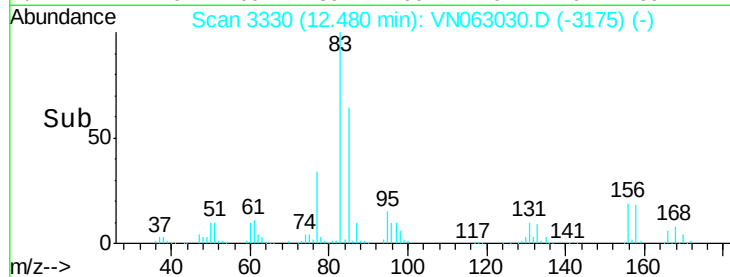
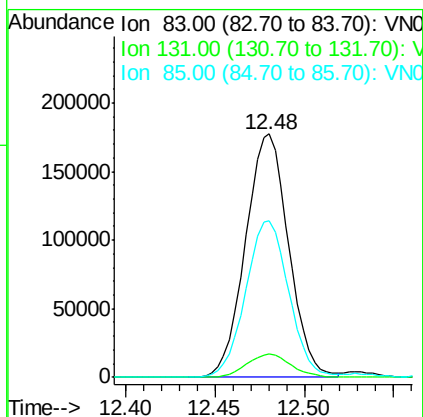
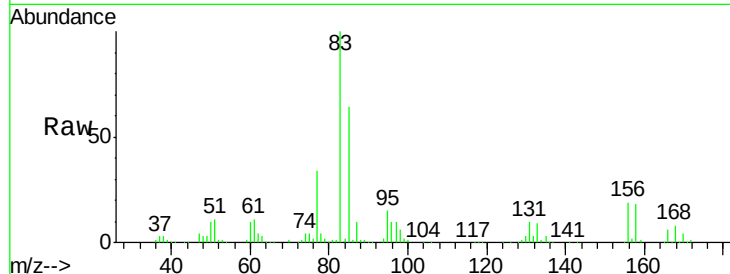




#71
 1,1,2,2-Tetrachloroethane
 Concen: 100.831 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

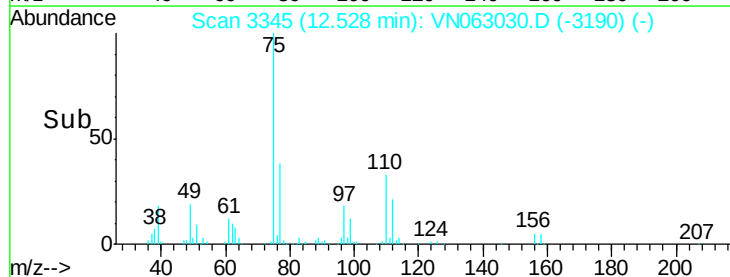
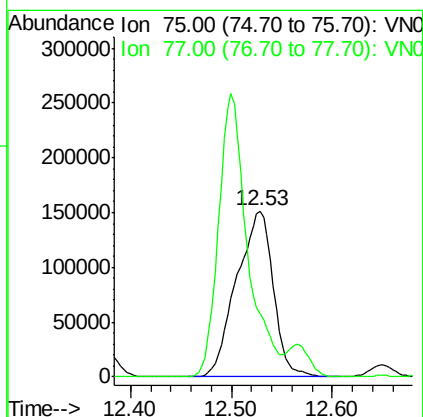
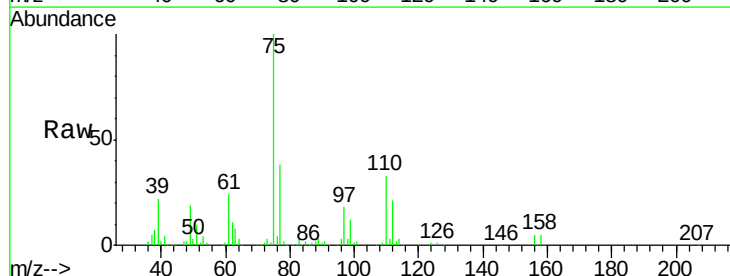
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

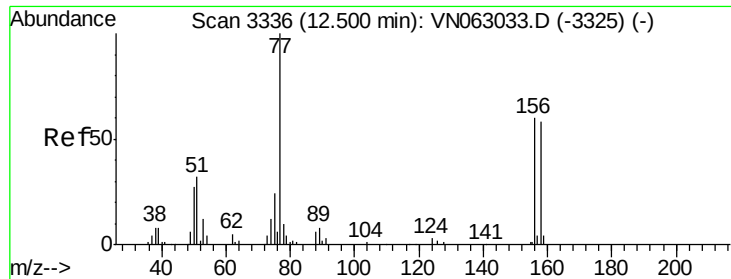
Tgt Ion: 83 Resp: 300014
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.5 13.7
 85 64.3 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 148.137 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 75 Resp: 380943
 Ion Ratio Lower Upper
 75 100
 77 136.5 0.0 387.8





#73

Bromobenzene

Concen: 103.569 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

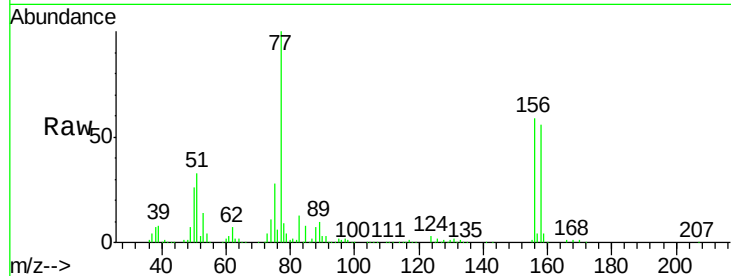
Tgt Ion:156 Resp: 259142

Ion Ratio Lower Upper

156 100

77 200.7 0.0 398.6

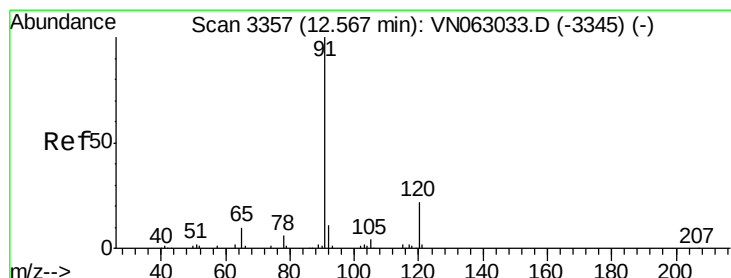
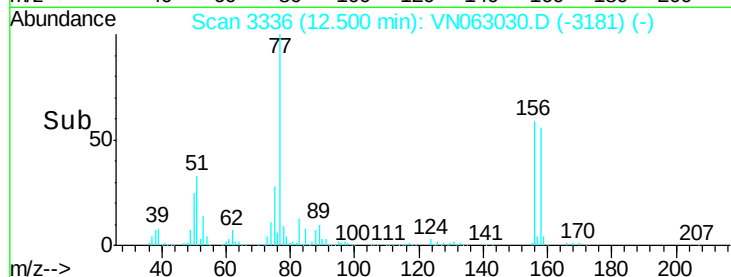
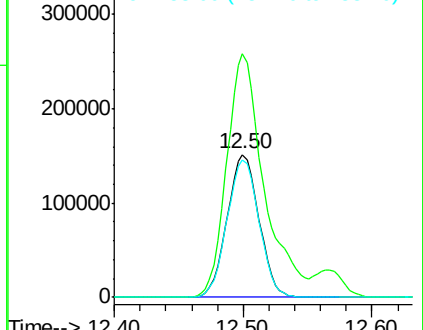
158 97.0 0.0 195.4



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: 108.452 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063030.D

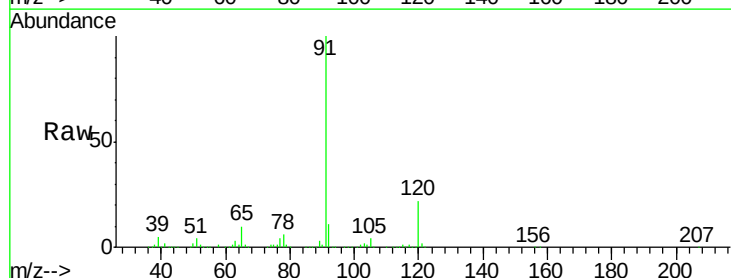
Acq: 20 Aug 2020 11:24

Tgt Ion: 91 Resp: 1207055

Ion Ratio Lower Upper

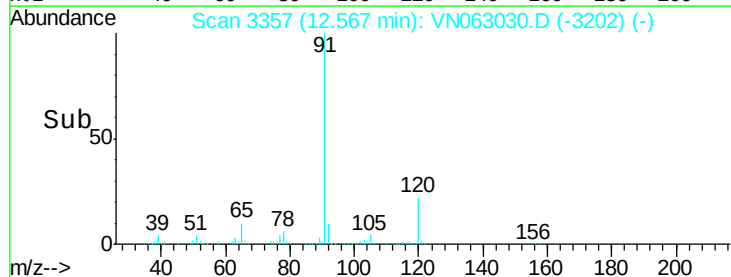
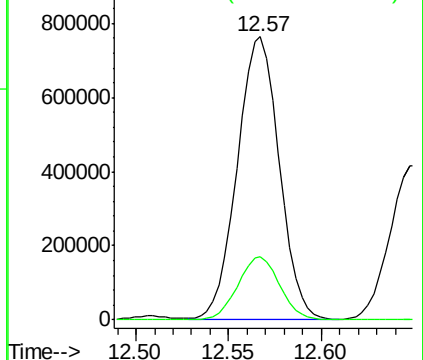
91 100

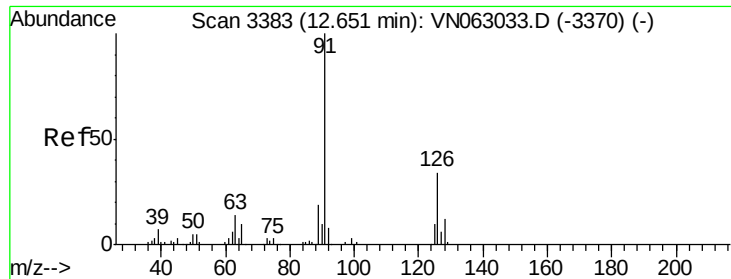
120 22.2 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 105.572 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

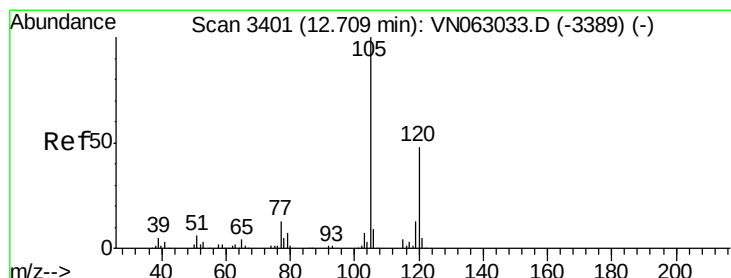
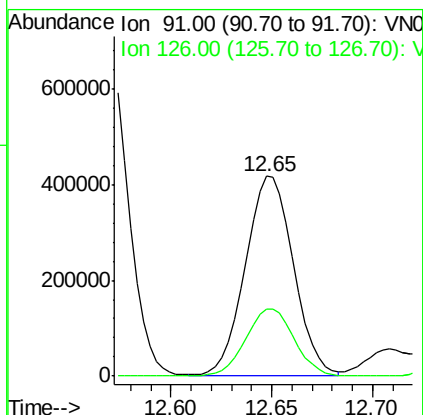
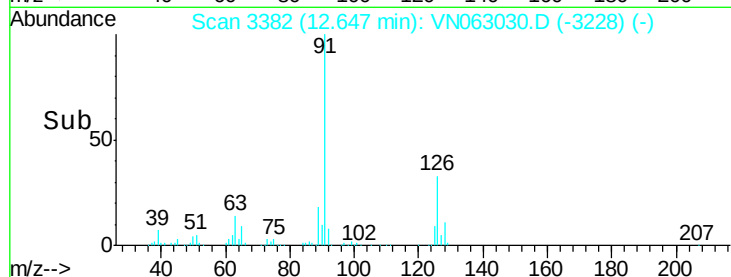
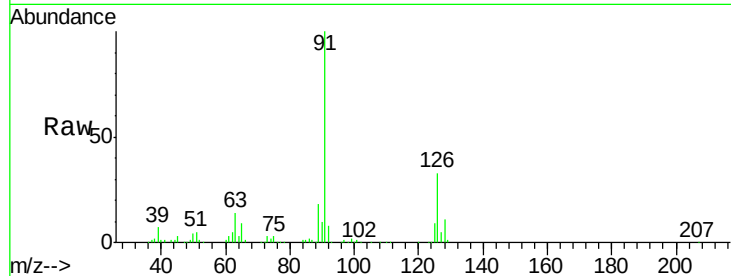
VSTDIC100

Tgt Ion: 91 Resp: 700302

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.0



#76

1,3,5-Trimethylbenzene

Concen: 109.419 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063030.D

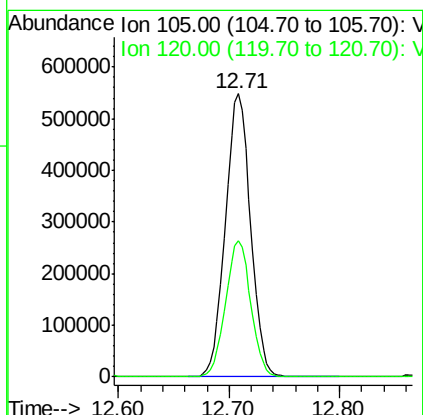
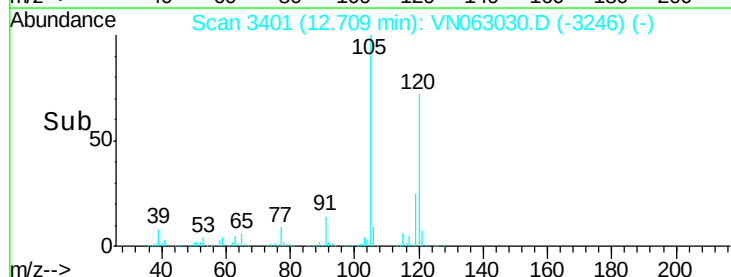
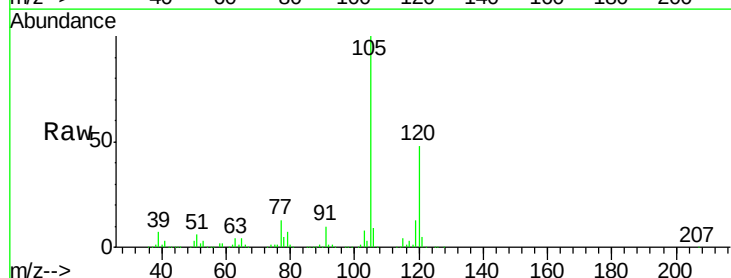
Acq: 20 Aug 2020 11:24

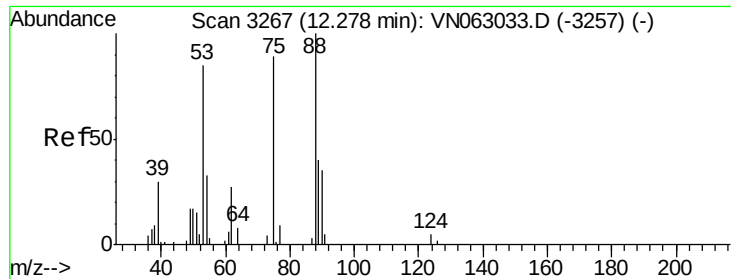
Tgt Ion: 105 Resp: 866394

Ion Ratio Lower Upper

105 100

120 48.2 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 112.280 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

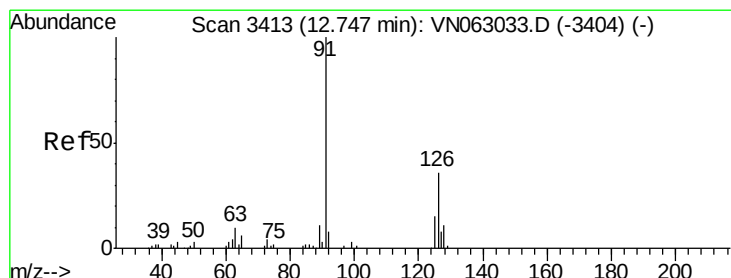
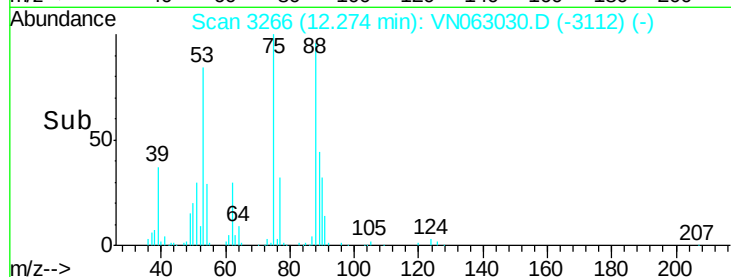
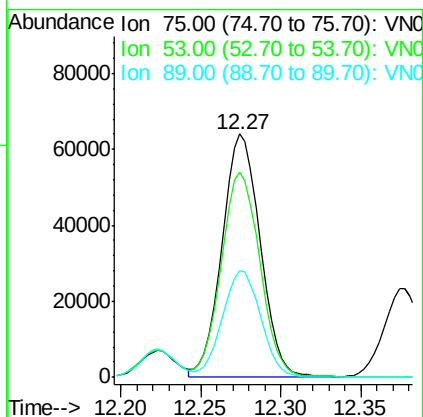
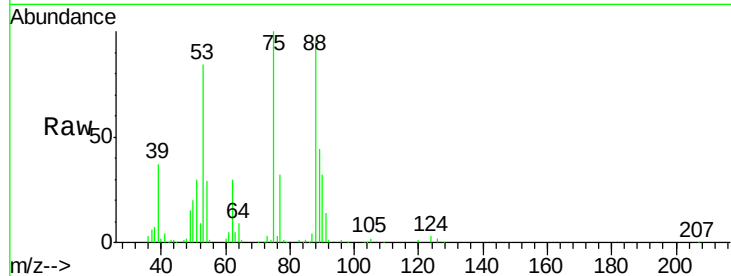
Tgt Ion: 75 Resp: 104770

Ion Ratio Lower Upper

75 100

53 84.4 47.0 141.0

89 44.2 22.9 68.7



#78

4-Chlorotoluene

Concen: 107.386 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN063030.D

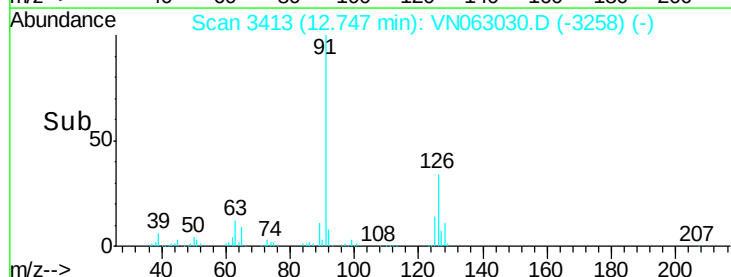
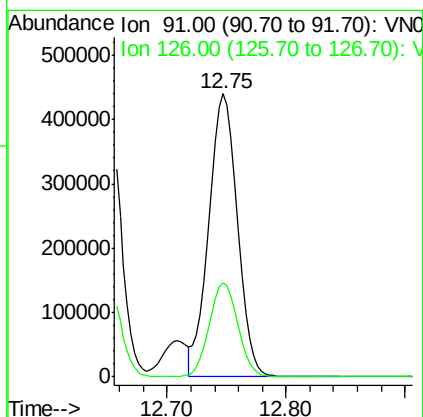
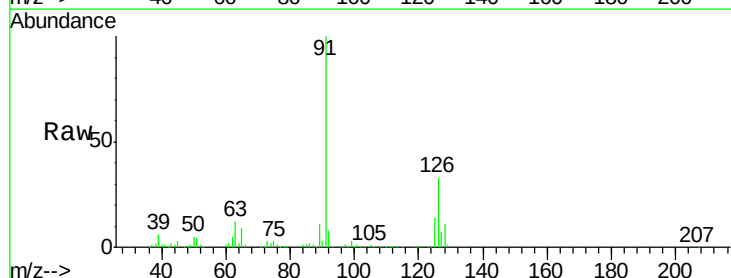
Acq: 20 Aug 2020 11:24

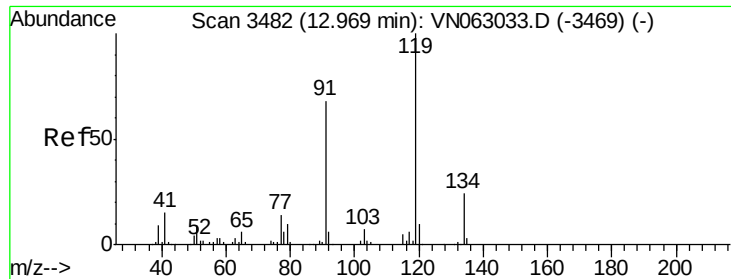
Tgt Ion: 91 Resp: 734427

Ion Ratio Lower Upper

91 100

126 33.2 0.0 65.0

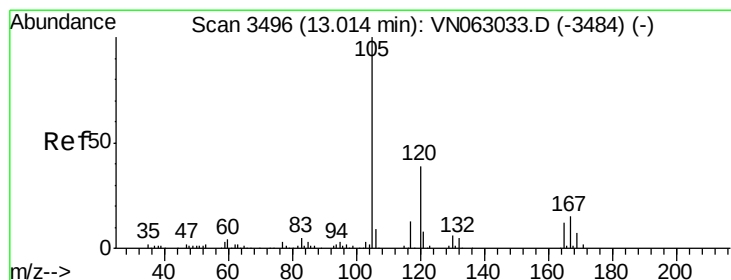
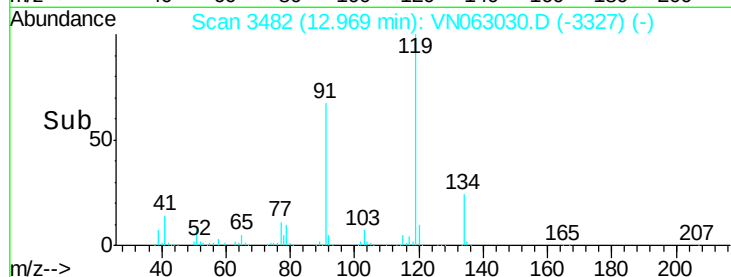
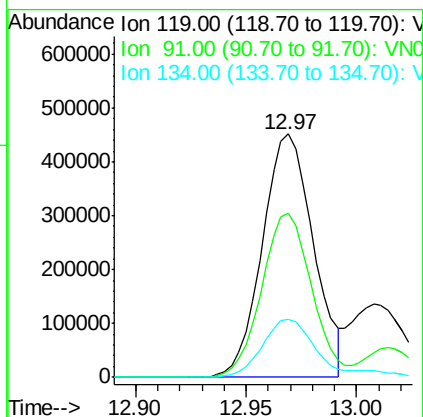
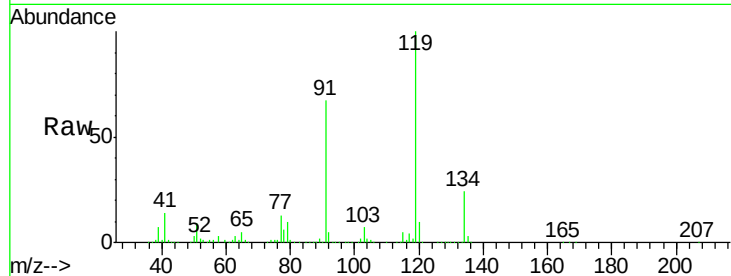




#79
 tert-butylbenzene
 Concen: 108.449 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

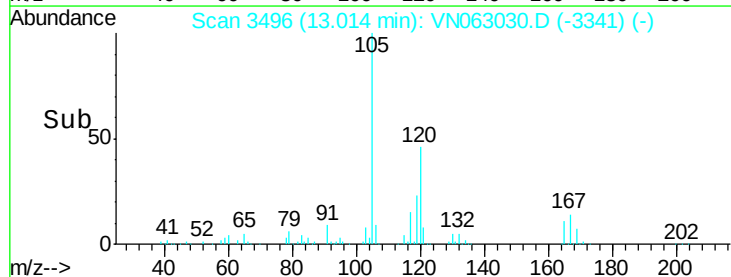
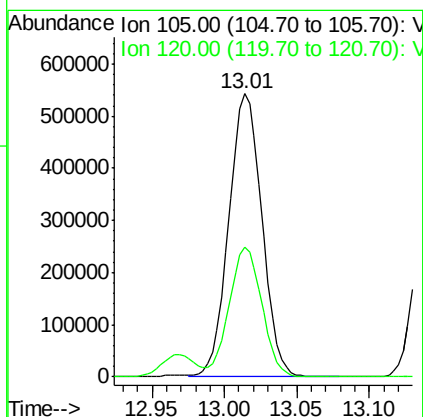
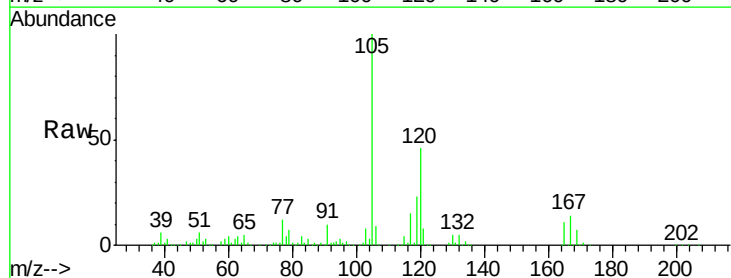
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

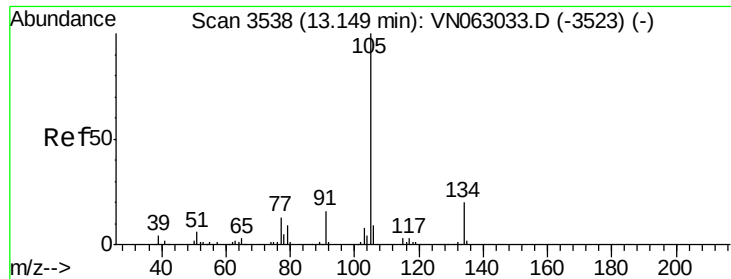
Tgt Ion:119 Resp: 722521
 Ion Ratio Lower Upper
 119 100
 91 66.4 0.0 136.8
 134 24.2 0.0 48.8



#80
 1,2,4-Trimethylbenzene
 Concen: 111.539 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:105 Resp: 859690
 Ion Ratio Lower Upper
 105 100
 120 45.7 0.0 90.4





#81

sec-Butylbenzene

Concen: 110.270 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

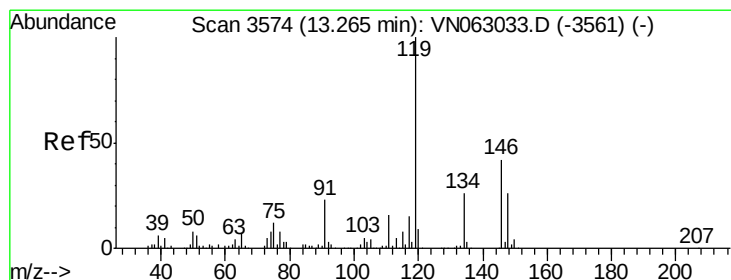
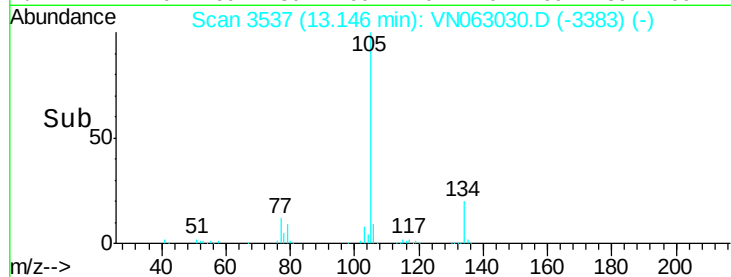
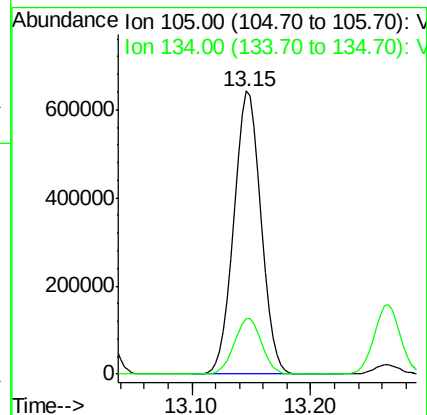
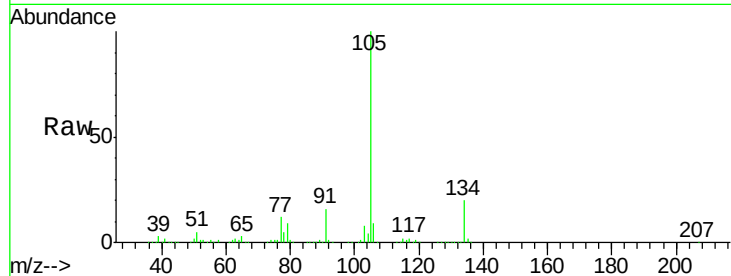
VSTDIC100

Tgt Ion:105 Resp: 1011998

Ion Ratio Lower Upper

105 100

134 19.8 0.0 39.4



#82

p-Isopropyltoluene

Concen: 112.416 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

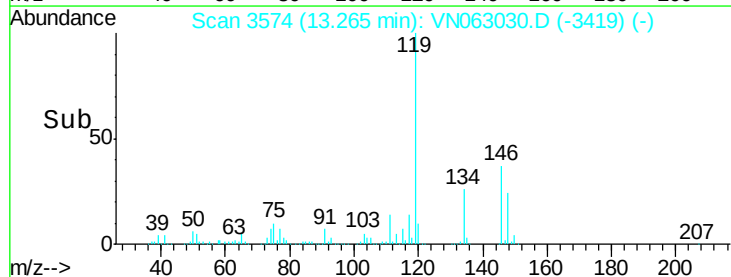
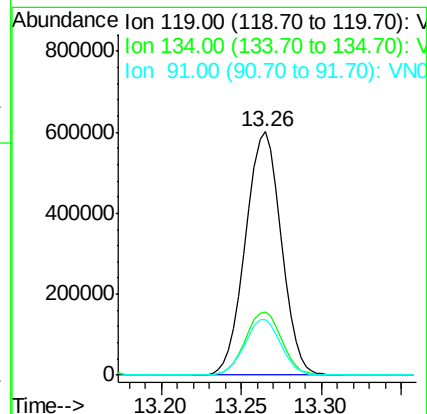
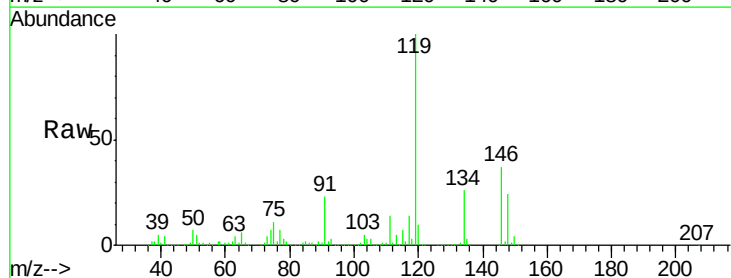
Tgt Ion:119 Resp: 914630

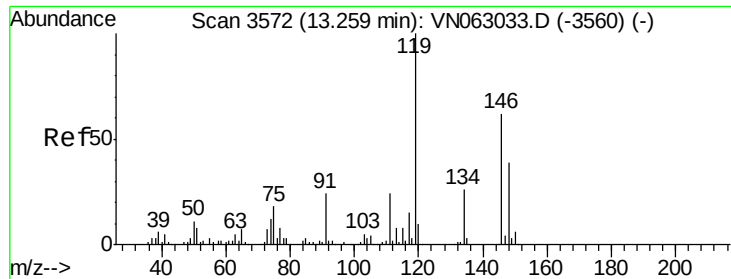
Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.2

91 23.1 0.0 46.2

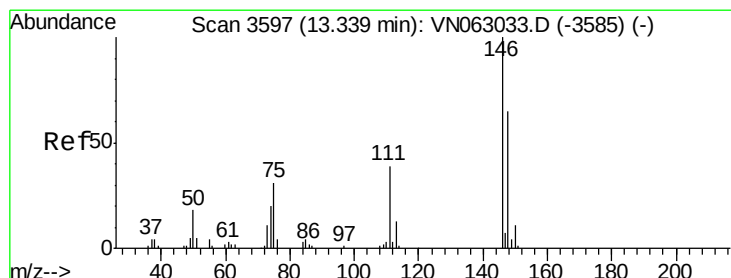
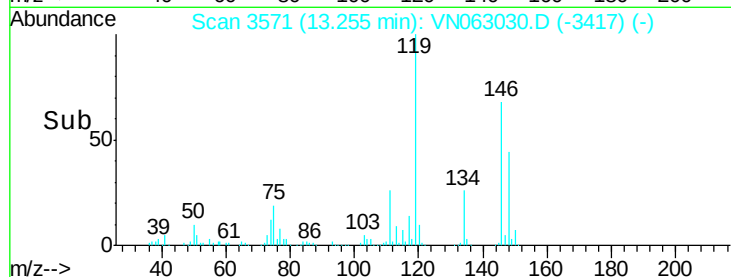
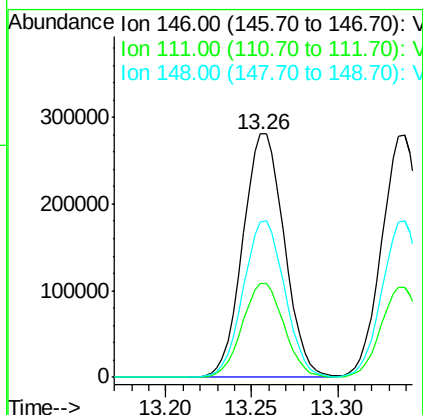
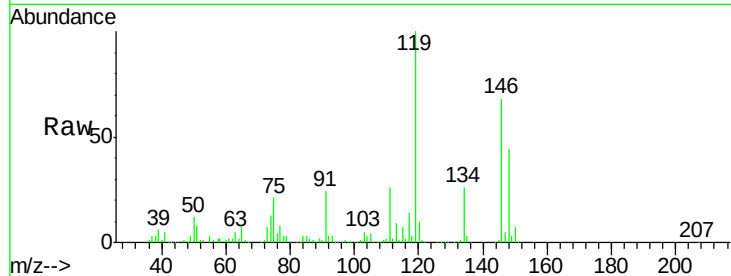




#83
 1,3-Dichlorobenzene
 Concen: 107.938 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

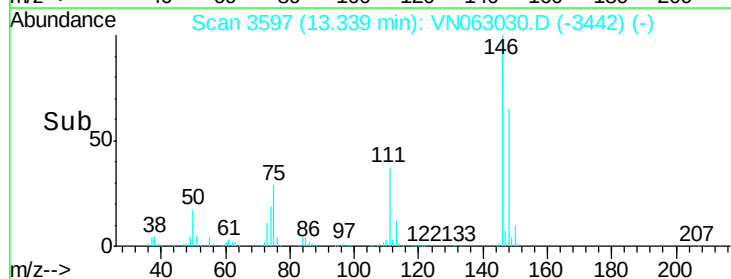
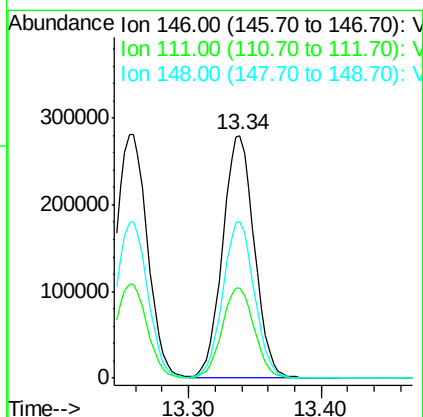
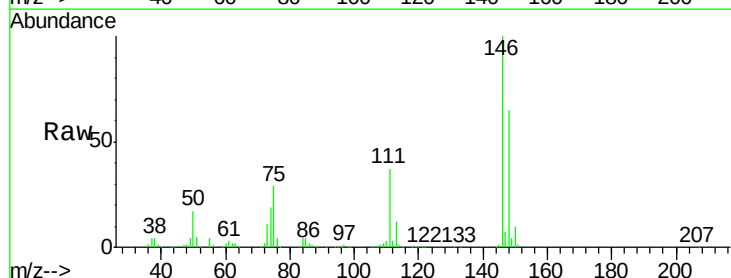
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

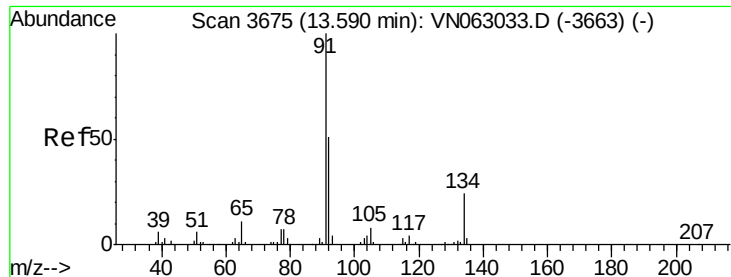
Tgt Ion:146 Resp: 471550
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.1
 148 64.1 31.5 94.5



#84
 1,4-Dichlorobenzene
 Concen: 108.452 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:146 Resp: 463064
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 64.1 31.6 94.8





#85

n-Butylbenzene

Concen: 116.329 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

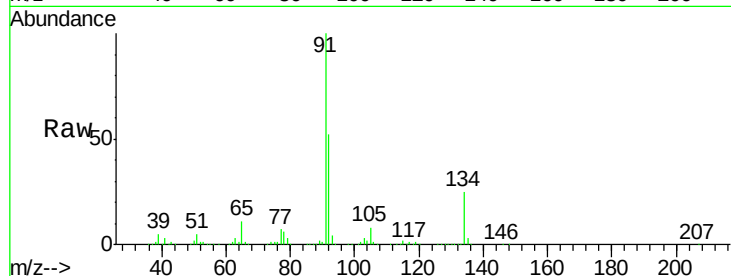
Tgt Ion: 91 Resp: 786541

Ion Ratio Lower Upper

91 100

92 52.0 0.0 100.6

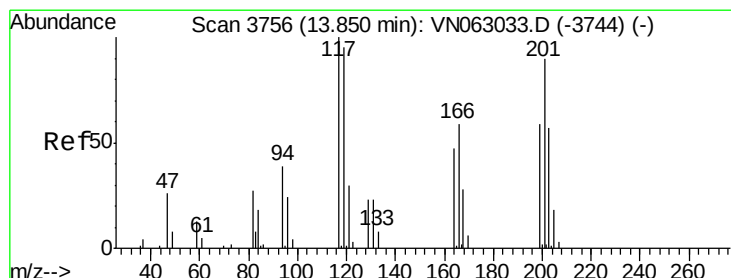
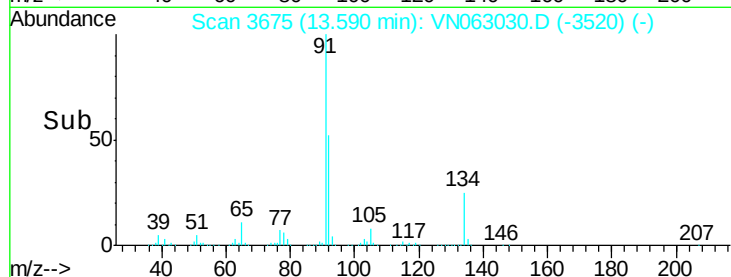
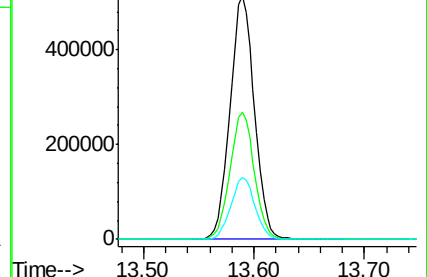
134 25.3 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN063033.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN063033.D (-3663) (-)



#86

Hexachloroethane

Concen: 106.097 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063030.D

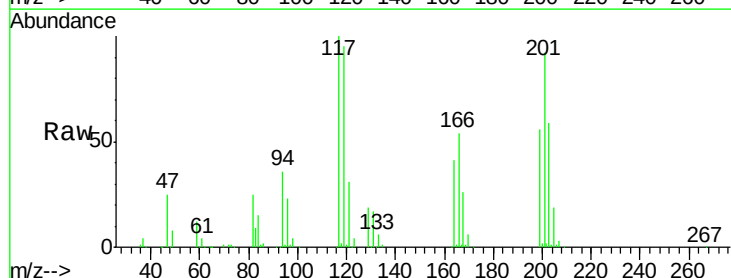
Acq: 20 Aug 2020 11:24

Tgt Ion: 117 Resp: 170014

Ion Ratio Lower Upper

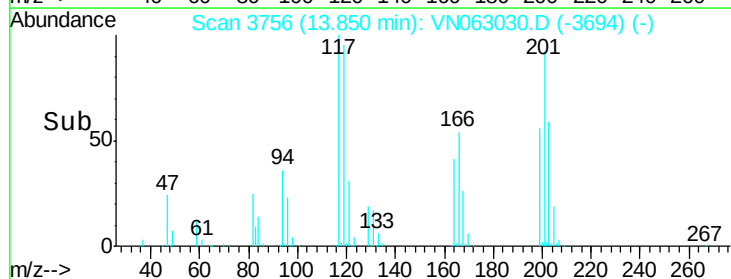
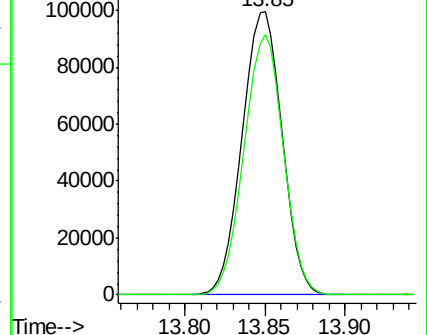
117 100

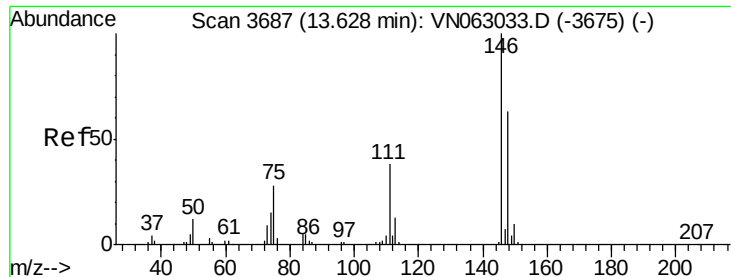
201 90.4 46.1 138.3



Abundance Ion 117.00 (116.70 to 117.70): VN063033.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN063033.D (-3744) (-)

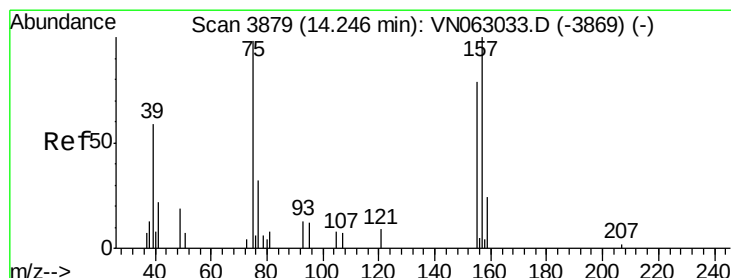
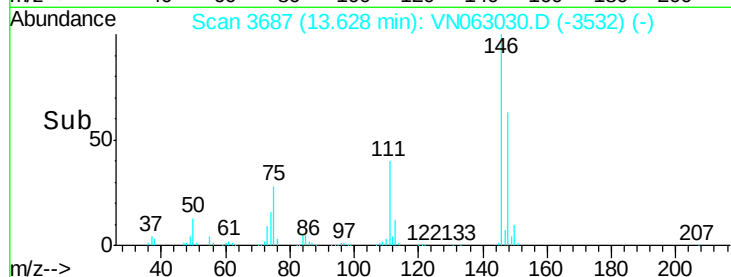
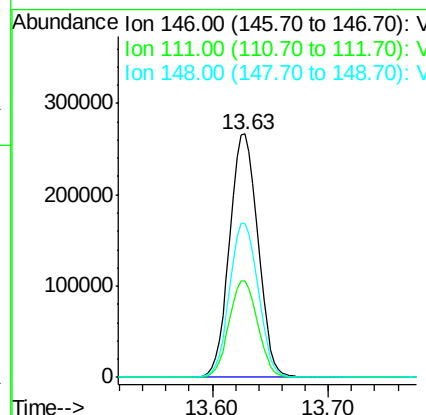
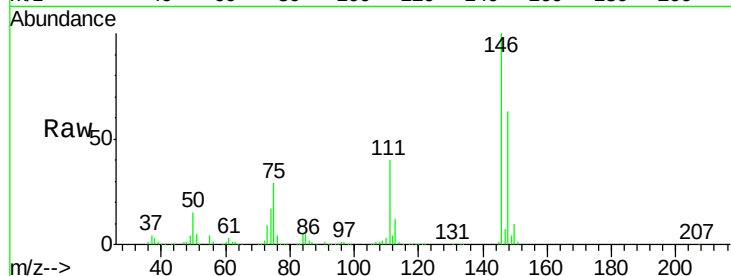




#87
 1,2-Dichlorobenzene
 Concen: 108.101 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

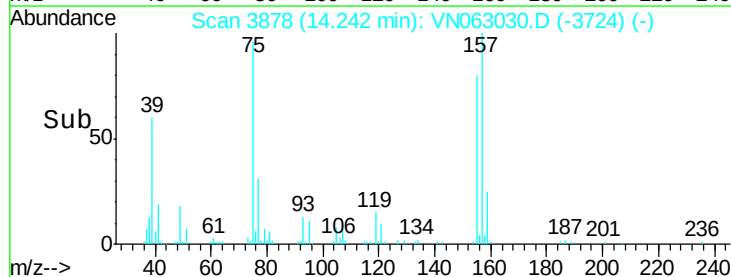
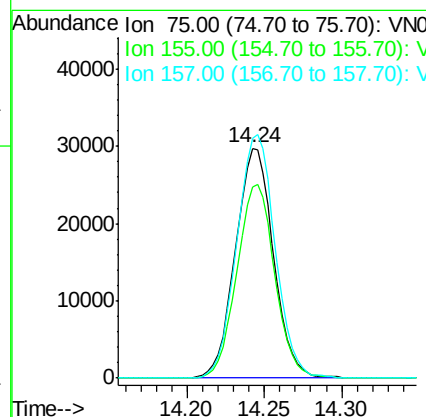
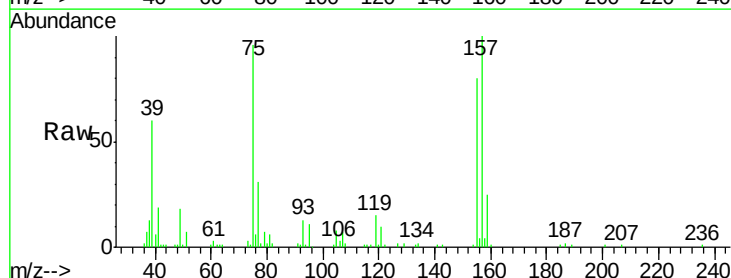
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

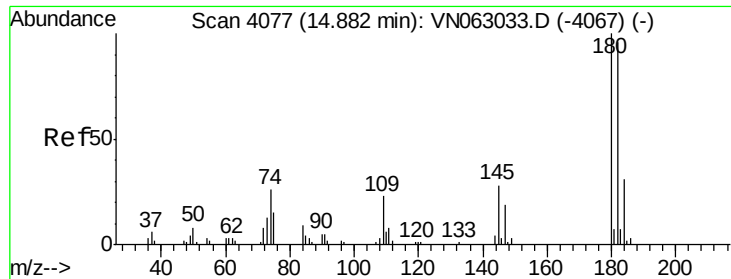
Tgt Ion:146 Resp: 452298
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.1 57.3
 148 63.9 31.8 95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 107.448 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 75 Resp: 50710
 Ion Ratio Lower Upper
 75 100
 155 84.0 64.8 97.2
 157 107.0 81.2 121.8

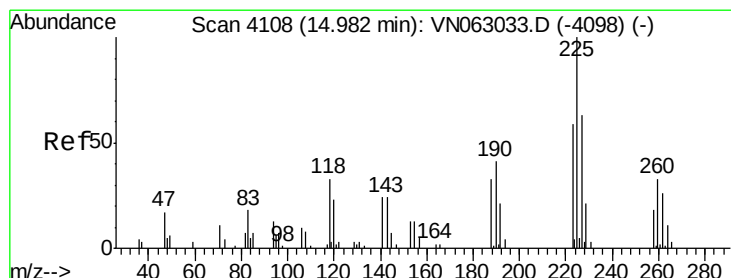
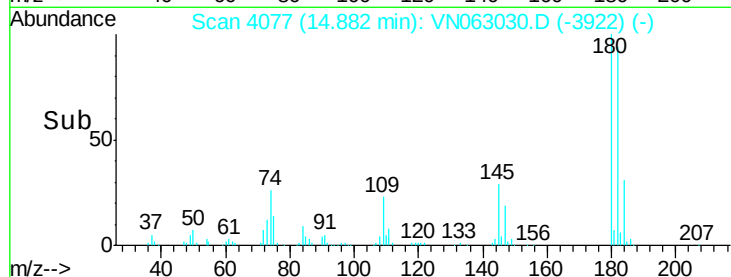
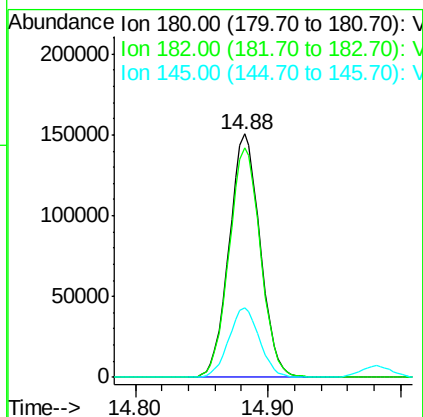
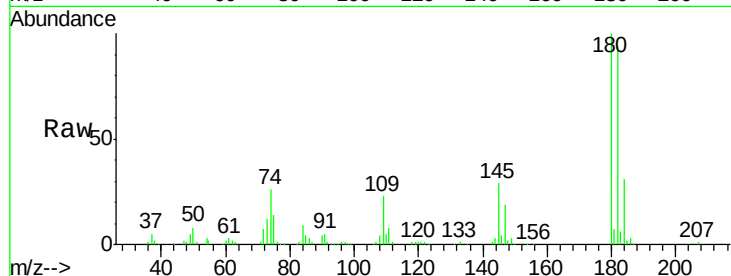




#89
 1,2,4-Trichlorobenzene
 Concen: 118.375 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

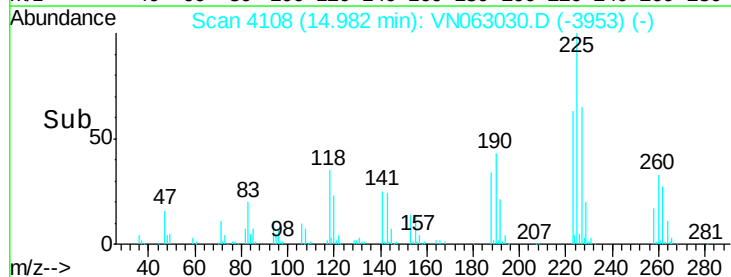
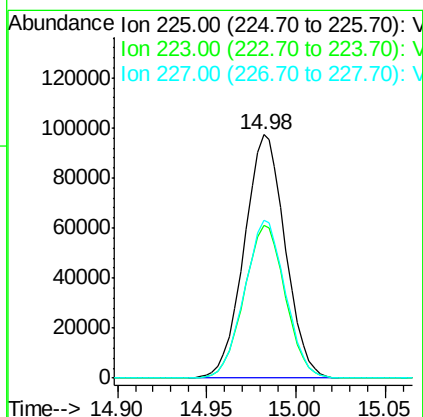
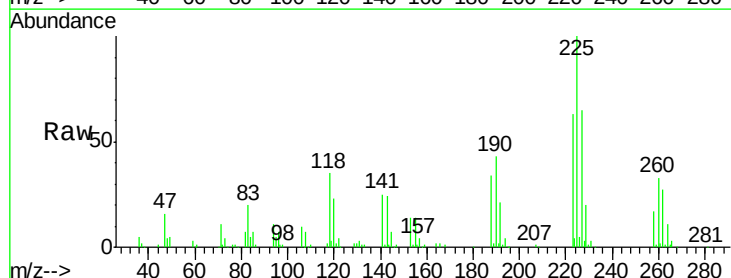
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 MSVOA_N
 ClientSampleId :
 VSTDIC100

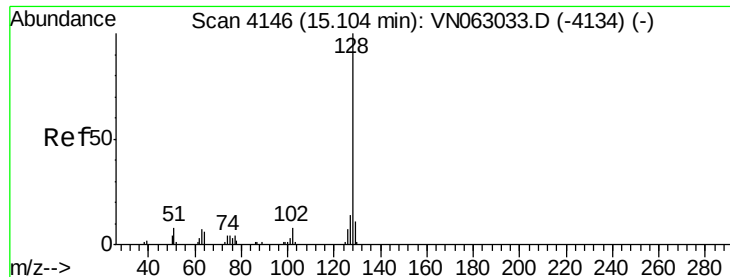
Tgt Ion:180 Resp: 244423
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.9 115.3
 145 28.2 21.9 32.9



#90
 Hexachlorobutadiene
 Concen: 102.389 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:225 Resp: 156483
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 122.8
 227 64.8 0.0 125.6

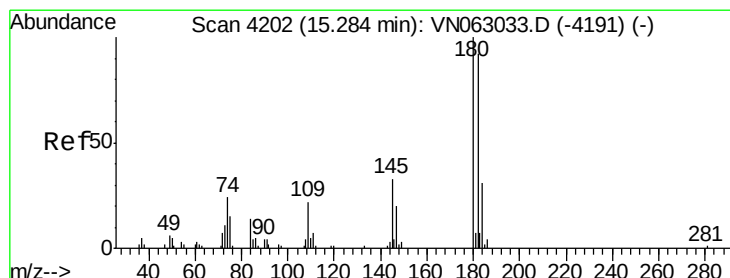
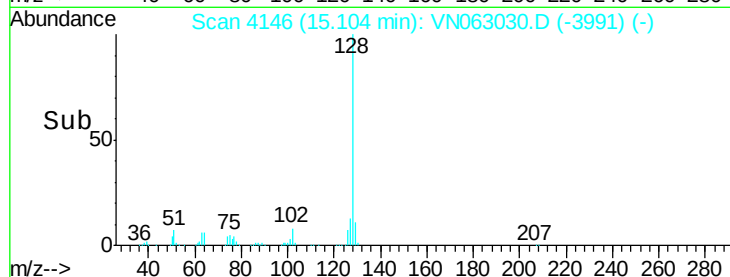
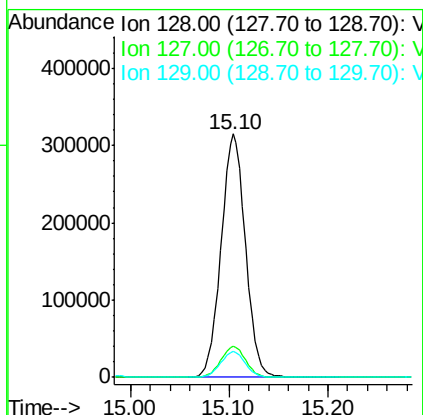
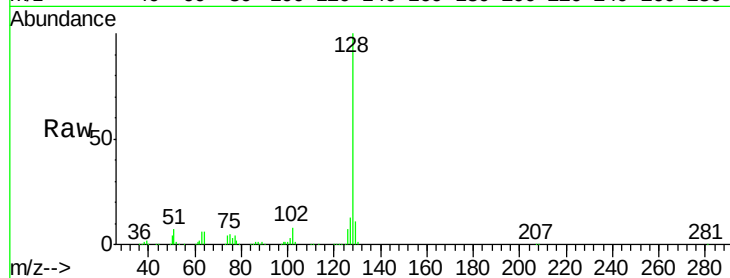




#91
Naphthalene
Concen: 119.740 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 546321
Ion Ratio Lower Upper
128 100
127 12.8 11.1 16.7
129 10.7 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 115.951 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion:180 Resp: 239024
Ion Ratio Lower Upper
180 100
182 94.9 0.0 188.0
145 30.6 0.0 62.0

