

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055595.D
 Acq On : 14 May 2019 15:51
 Operator : JC/SP
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Quant Time: May 15 07:43:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	708848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1218500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1050333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	399913	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	509587	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
35) Dibromofluoromethane	7.59	113	404740	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	10.09	98	1563036	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.40	95	497237	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	140989	19.490	ug/l	97
3) Chloromethane	2.06	50	218711	19.434	ug/l	99
4) Vinyl Chloride	2.18	62	213784	19.490	ug/l	99
5) Bromomethane	2.55	94	131611	20.544	ug/l	95
6) Chloroethane	2.69	64	130359	19.607	ug/l	99
7) Trichlorofluoromethane	3.01	101	242929	19.870	ug/l	97
8) Diethyl Ether	3.41	74	107974	19.766	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156477	20.331	ug/l	99
10) Methyl Iodide	3.95	142	198870	20.266	ug/l	99
11) Tert butyl alcohol	4.80	59	129666	101.922	ug/l	98
12) 1,1-Dichloroethene	3.73	96	155753	20.210	ug/l	100
13) Acrolein	3.61	56	124943	97.883	ug/l	98
14) Allyl chloride	4.32	41	301526	20.308	ug/l	99
15) Acrylonitrile	4.99	53	437199	102.338	ug/l	98
16) Acetone	3.82	43	378531	83.580	ug/l	99
17) Carbon Disulfide	4.04	76	437416	19.807	ug/l	100
18) Methyl Acetate	4.33	43	185353	20.929	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	501012	20.824	ug/l	99
20) Methylene Chloride	4.55	84	190260	19.960	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	170104	20.306	ug/l	98
22) Diisopropyl ether	5.96	45	613981	20.588	ug/l	99
23) Vinyl Acetate	5.90	43	2350721	105.201	ug/l	100
24) 1,1-Dichloroethane	5.84	63	334334	20.186	ug/l	99
25) 2-Butanone	6.84	43	570039	96.036	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215423	20.138	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	196501	20.248	ug/l	100
28) Bromochloromethane	7.19	49	169563	21.078	ug/l	98
29) Tetrahydrofuran	7.21	42	390963	101.601	ug/l	100
30) Chloroform	7.37	83	314526	20.292	ug/l	100
31) Cyclohexane	7.65	56	329355	19.983	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	244418	20.365	ug/l	100
36) 1,1-Dichloropropene	7.79	75	241616	19.944	ug/l	99
37) Ethyl Acetate	6.93	43	231676	20.410	ug/l	99
38) Carbon Tetrachloride	7.77	117	201153	20.000	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285939	20.042	ug/l	99
40) Benzene	8.04	78	744512	20.124	ug/l	100
41) Methacrylonitrile	7.17	41	104514	20.199	ug/l	91
42) 1,2-Dichloroethane	8.12	62	248037	20.103	ug/l	99
43) Isopropyl Acetate	8.17	43	361640	20.314	ug/l	99
44) Trichloroethene	8.83	130	176982	19.891	ug/l	100
45) 1,2-Dichloropropane	9.12	63	206072	20.209	ug/l	98
46) Dibromomethane	9.21	93	121267	20.136	ug/l	99
47) Bromodichloromethane	9.40	83	232636	20.265	ug/l	99
48) Methyl methacrylate	9.20	41	171502	19.721	ug/l	98
49) 1,4-Dioxane	9.20	88	66458	418.139	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1131130	101.126	ug/l	100
52) Toluene	10.16	92	428401	20.211	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227484	20.670	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273354	20.685	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	168390	19.871	ug/l	96
56) Ethyl methacrylate	10.43	69	246211	20.849	ug/l	99
57) 1,3-Dichloropropane	10.71	76	302087	20.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	291658	88.460	ug/l	100
59) 2-Hexanone	10.75	43	792641	102.724	ug/l	100
60) Dibromochloromethane	10.90	129	158377	20.546	ug/l	100
61) 1,2-Dibromoethane	11.00	107	163877	20.468	ug/l	99
64) Tetrachloroethene	10.63	164	163618	19.502	ug/l	99
65) Chlorobenzene	11.43	112	443192	20.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153158	20.499	ug/l	99
67) Ethyl Benzene	11.51	91	793142	20.289	ug/l	100
68) m/p-Xylenes	11.62	106	585805	40.998	ug/l	99
69) o-Xylene	11.95	106	289189	20.797	ug/l	100
70) Styrene	11.96	104	464199	20.992	ug/l	99
71) Bromoform	12.13	173	98635	20.253	ug/l #	99
73) Isopropylbenzene	12.25	105	760940	19.470	ug/l	99
74) N-amyl acetate	12.07	43	278343	20.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237443	21.955	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	274242	27.716	ug/l #	100
77) Bromobenzene	12.53	156	176274	21.549	ug/l	100
78) n-propylbenzene	12.59	91	840935	20.181	ug/l	100
79) 2-Chlorotoluene	12.67	91	519648	19.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	622143	20.139	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56674	20.373	ug/l	100
82) 4-Chlorotoluene	12.77	91	495029	20.105	ug/l	100
83) tert-Butylbenzene	12.99	119	542273	20.222	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	585204	20.512	ug/l	99
85) sec-Butylbenzene	13.17	105	688824	19.945	ug/l	100
86) p-Isopropyltoluene	13.29	119	568922	20.316	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283132	20.457	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	268437	19.713	ug/l	98
89) n-Butylbenzene	13.61	91	423316	20.489	ug/l	99
90) Hexachloroethane	13.87	117	91813	20.537	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284349	20.558	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33791	20.246	ug/l	99

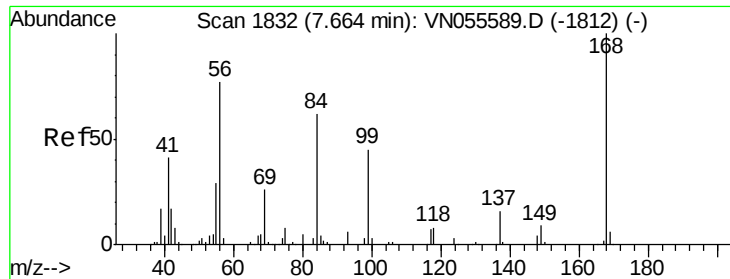
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
Data File : VN055595.D
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Quant Title : SW846 8260
QLast Update : Wed May 15 07:28:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	99839	19.904	ug/l	98
94) Hexachlorobutadiene	15.01	225	89372	22.263	ug/l	99
95) Naphthalene	15.13	128	295267	21.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	110325	20.207	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

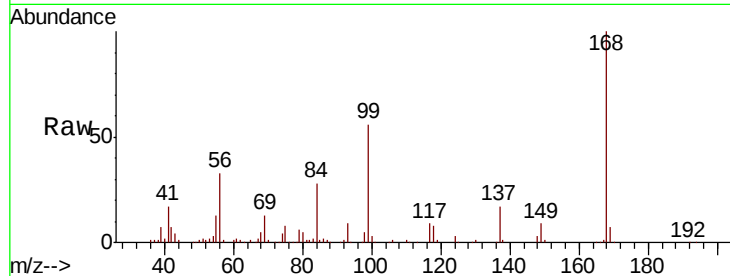
VN0514WBS01

Tot Ion:168 Resp: 708848

Ion Ratio Lower Upper

168 100

99 55.1 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

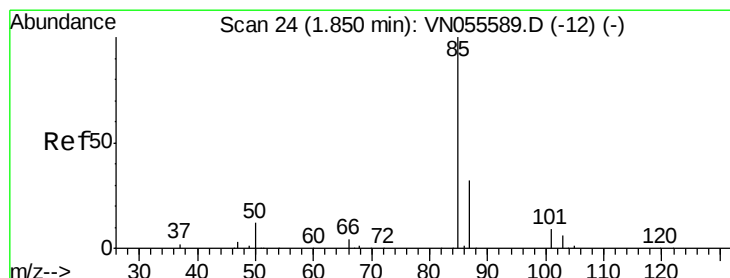
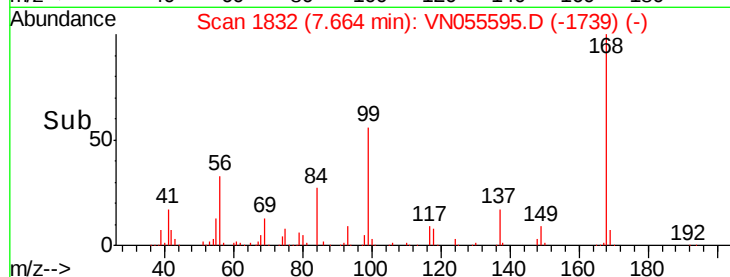
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.490 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055595.D

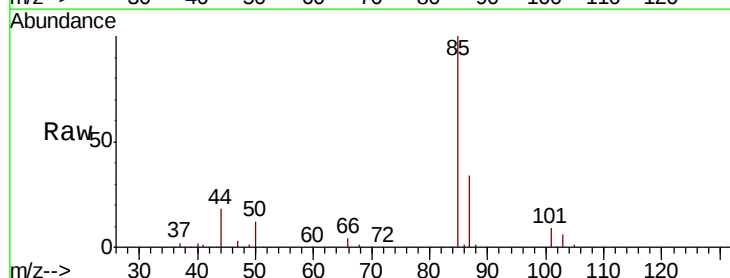
Acq: 14 May 2019 15:51

Tgt Ion: 85 Resp: 140989

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

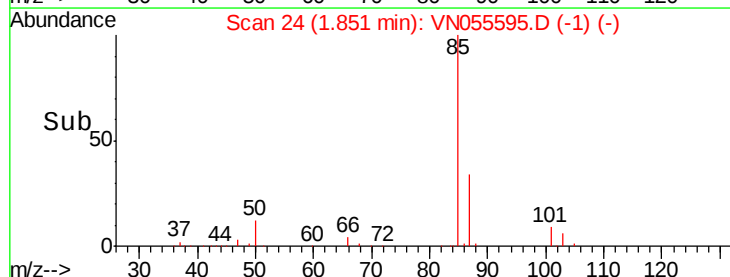
40000

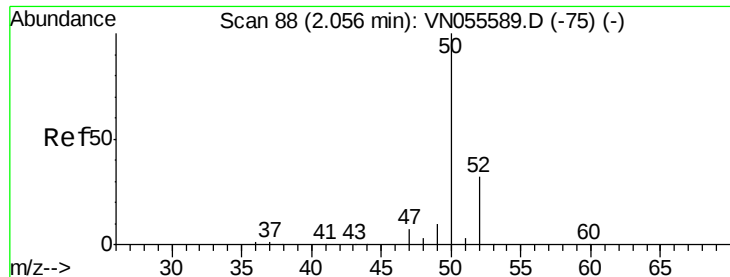
20000

0

1.80 1.85 1.90 1.95

Time-->

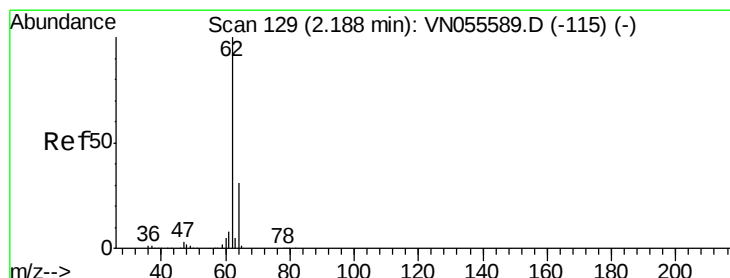
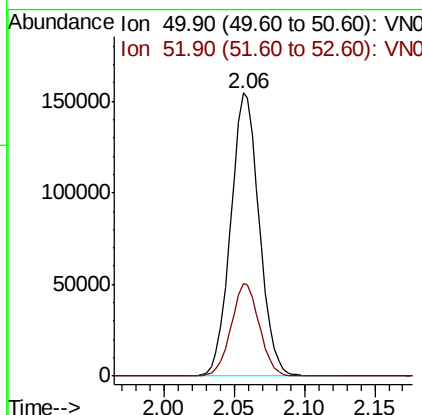
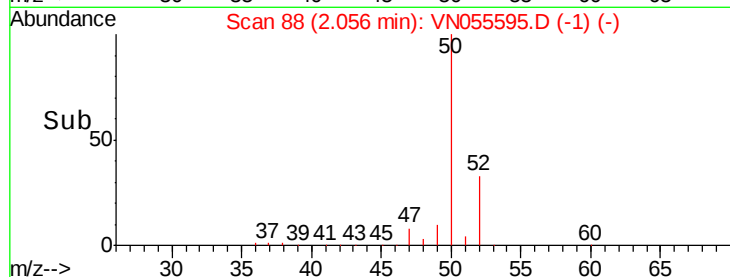
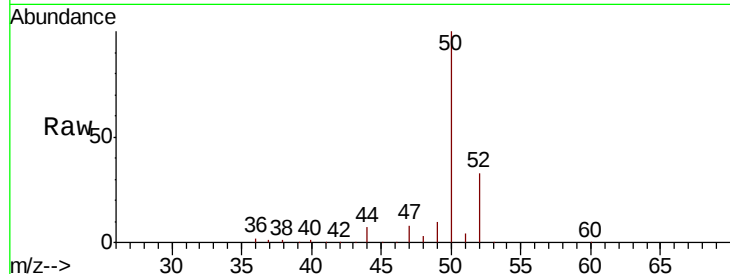




#3
 Chloromethane
 Concen: 19.434 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

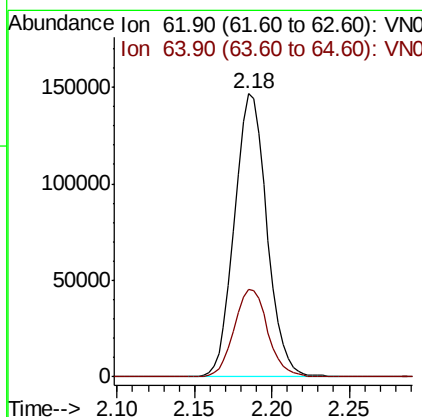
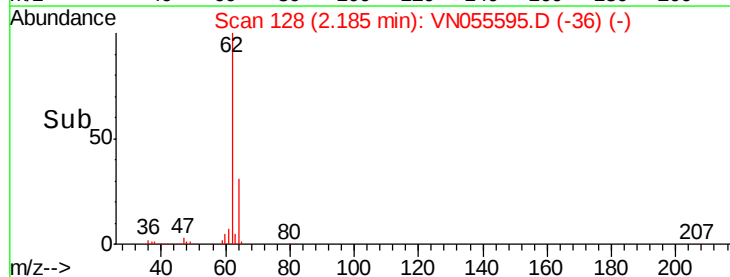
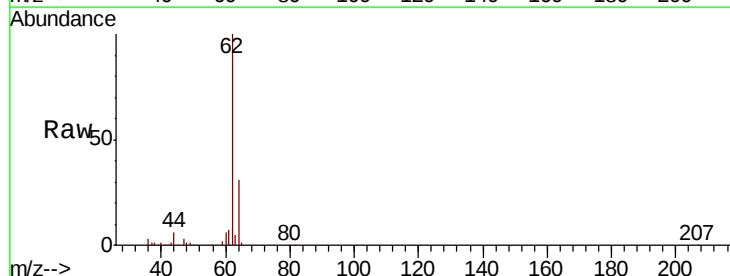
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

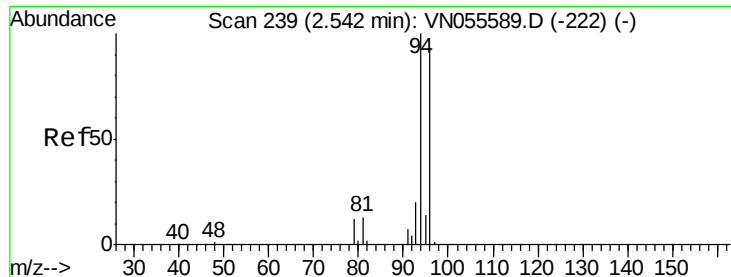
Tot Ion: 50 Resp: 218711
 Ion Ratio Lower Upper
 50 100
 52 32.7 25.5 38.3



#4
 Vinyl Chloride
 Concen: 19.490 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 62 Resp: 213784
 Ion Ratio Lower Upper
 62 100
 64 30.7 25.1 37.7





#5

Bromomethane

Concen: 20.544 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

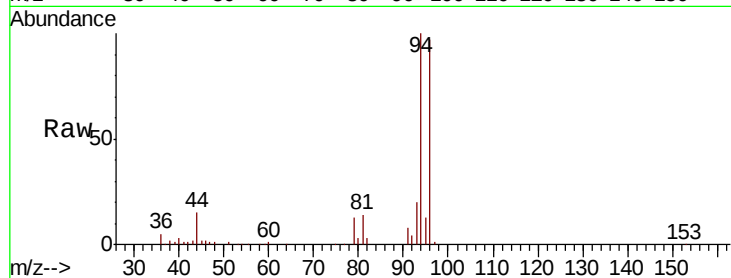
VN0514WBS01

Tot Ion: 94 Resp: 131611

Ion Ratio Lower Upper

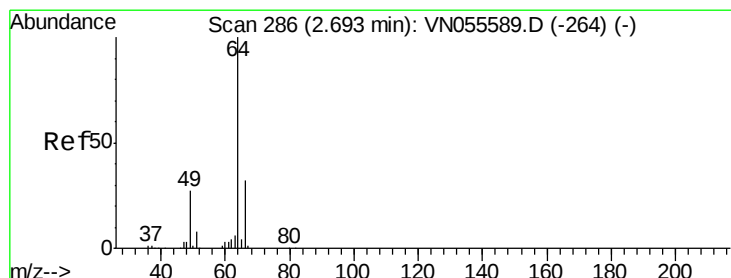
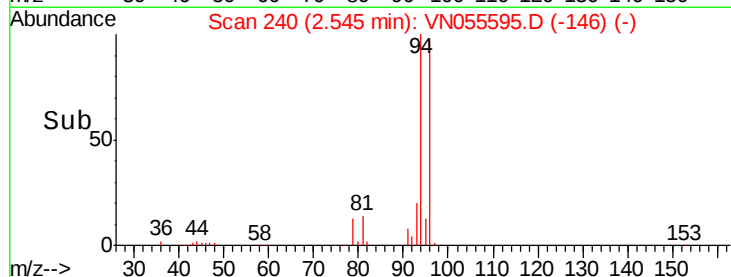
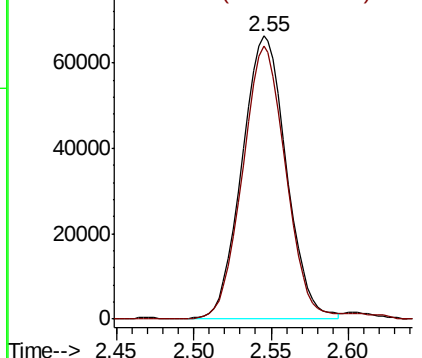
94 100

96 96.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.607 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055595.D

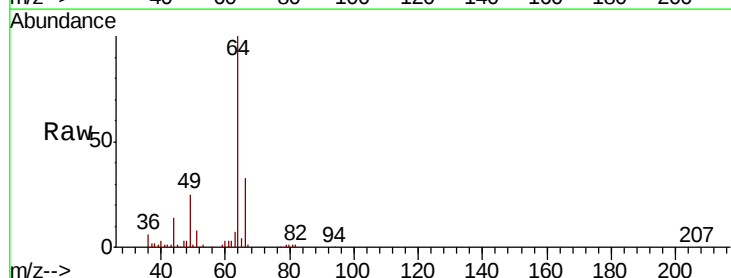
Acq: 14 May 2019 15:51

Tgt Ion: 64 Resp: 130359

Ion Ratio Lower Upper

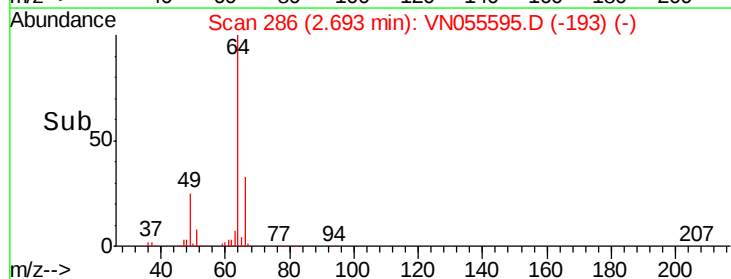
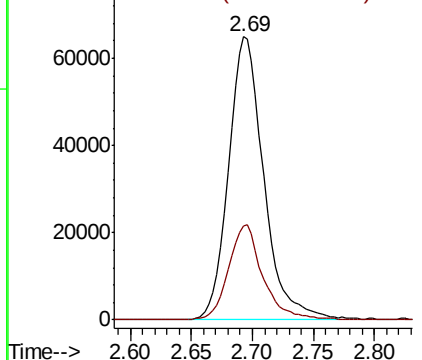
64 100

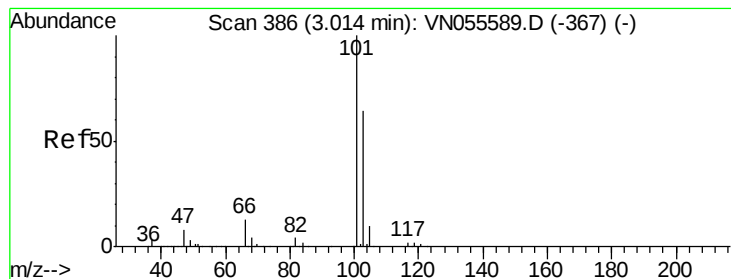
66 32.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



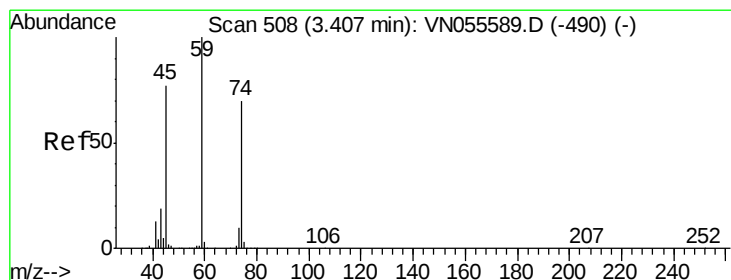
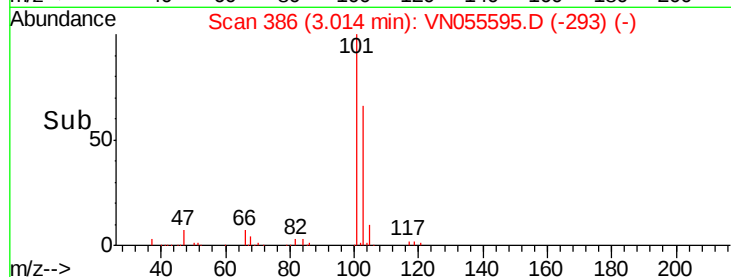
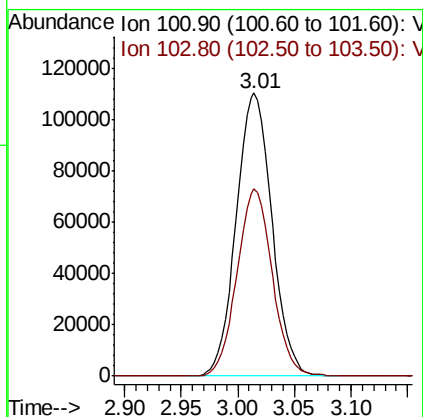
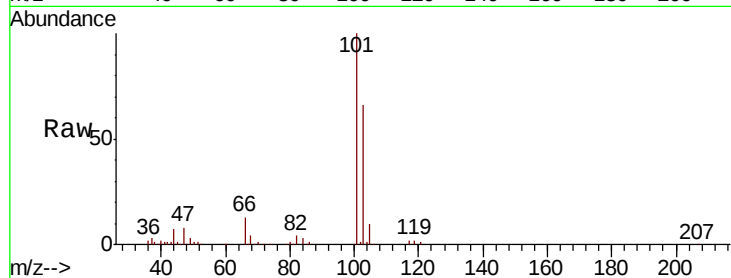


#7

Trichlorofluoromethane
 Concen: 19.870 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
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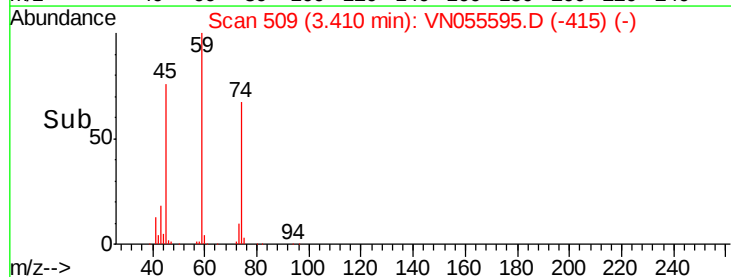
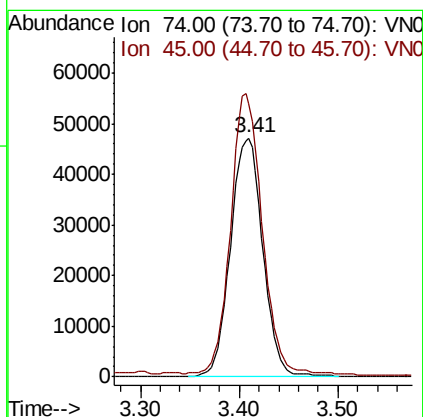
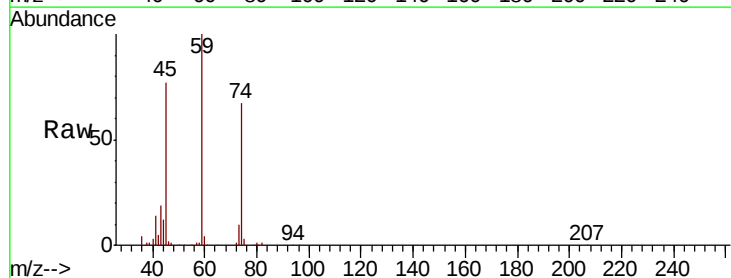
Tot Ion:101 Resp: 242929
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.0 76.6

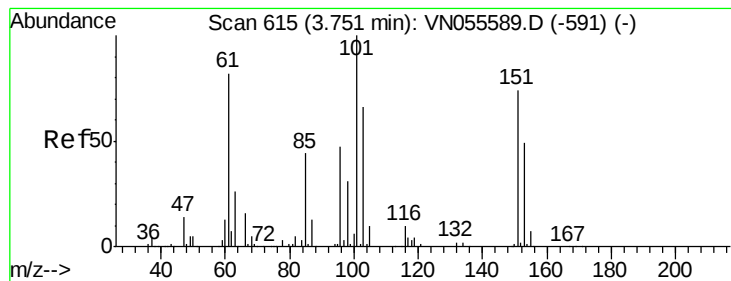


#8

Diethyl Ether
 Concen: 19.766 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 74 Resp: 107974
 Ion Ratio Lower Upper
 74 100
 45 112.4 54.9 164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.331 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

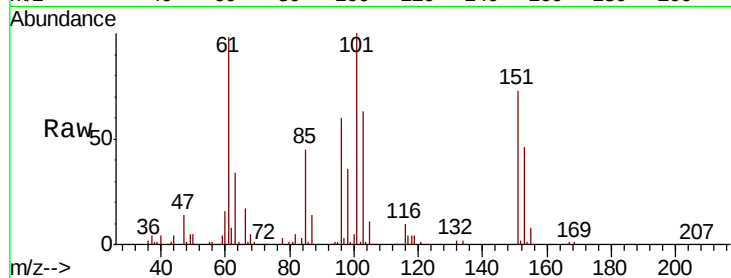
Tot Ion:101 Resp: 156477

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.2

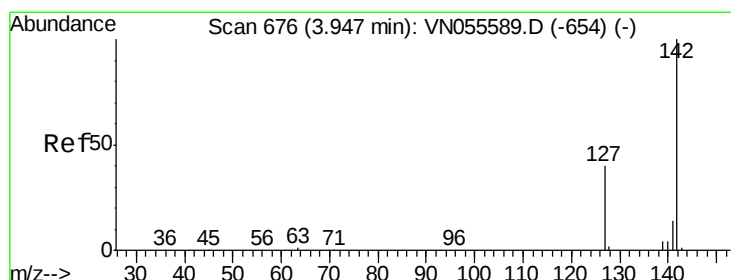
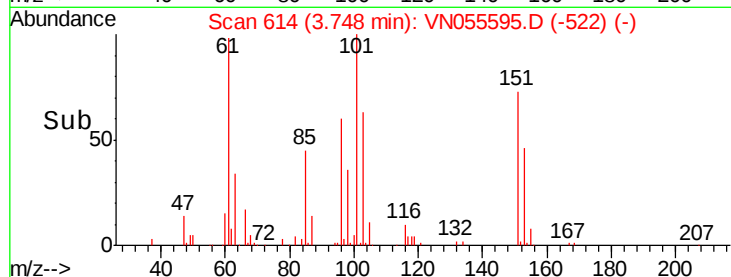
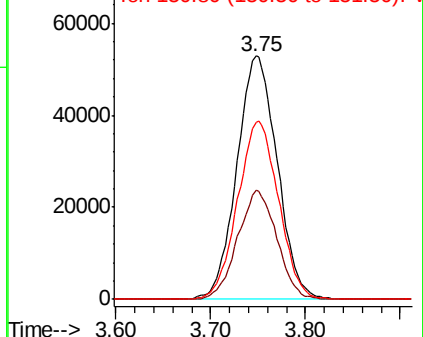
151 74.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.266 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

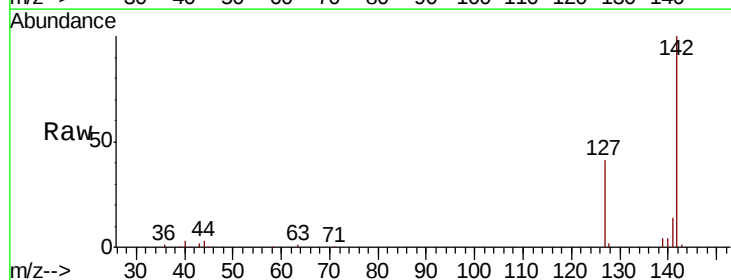
Tgt Ion:142 Resp: 198870

Ion Ratio Lower Upper

142 100

127 41.1 32.5 48.7

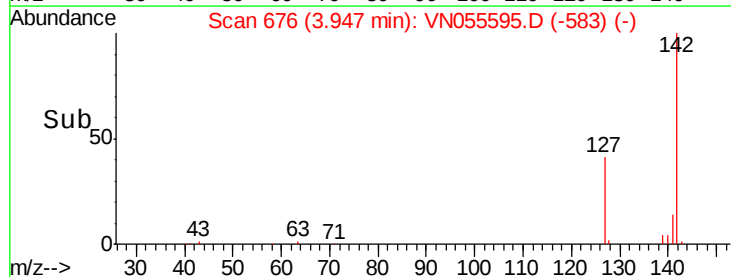
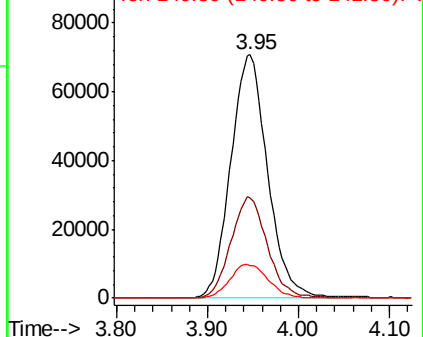
141 14.5 11.2 16.8

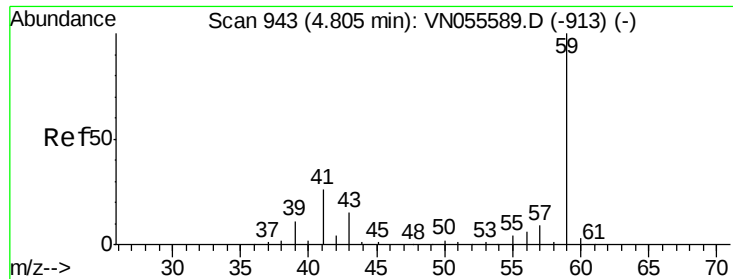


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

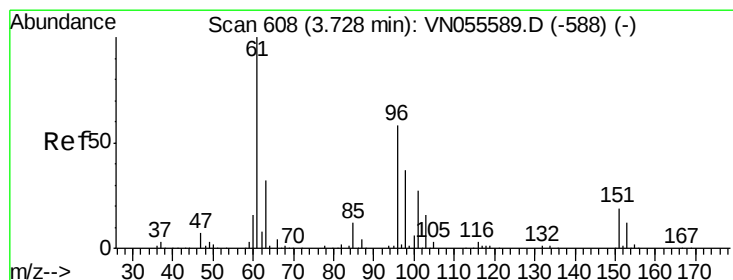
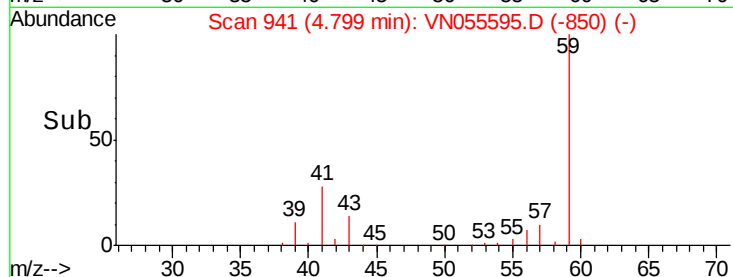
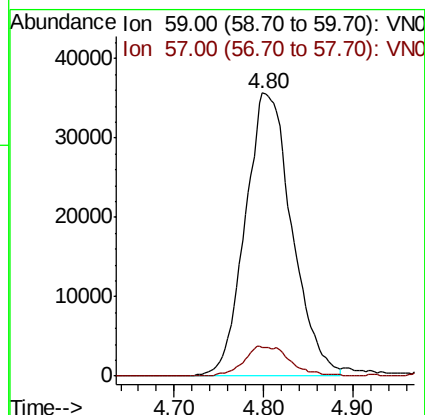
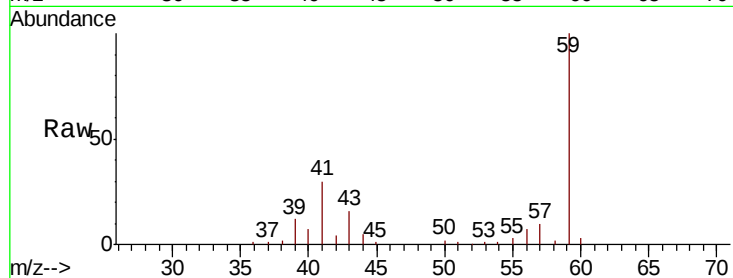




#11
Tert butyl alcohol
Concen: 101.922 ug/l
RT: 4.80 min Scan# 941
Delta R.T. -0.01 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

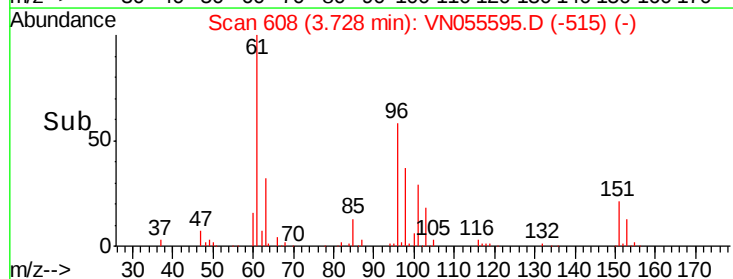
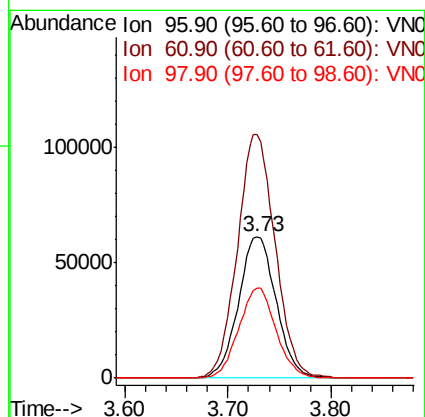
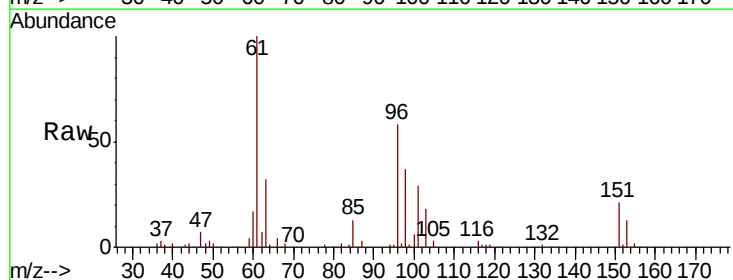
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

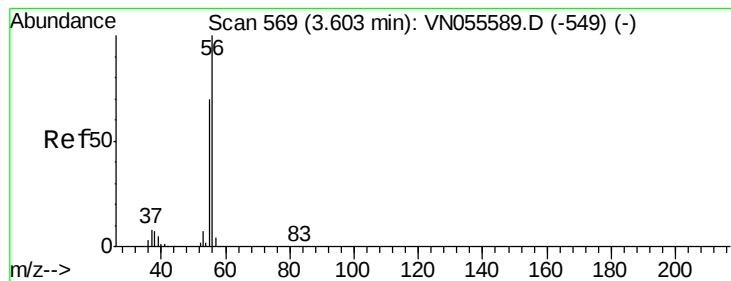
Tot Ion: 59 Resp: 129666
Ion Ratio Lower Upper
59 100
57 10.2 7.6 11.4



#12
1,1-Dichloroethene
Concen: 20.210 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 96 Resp: 155753
Ion Ratio Lower Upper
96 100
61 172.0 137.5 206.3
98 63.9 50.3 75.5





#13

Acrolein

Concen: 97.883 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

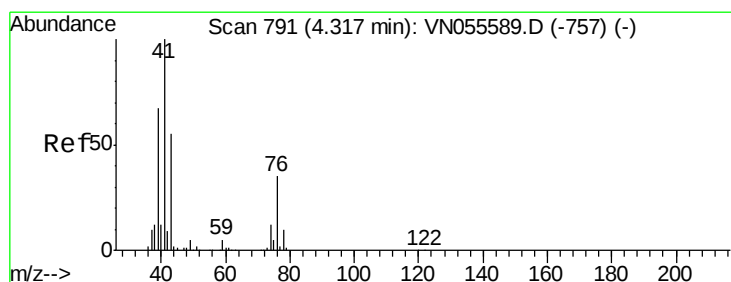
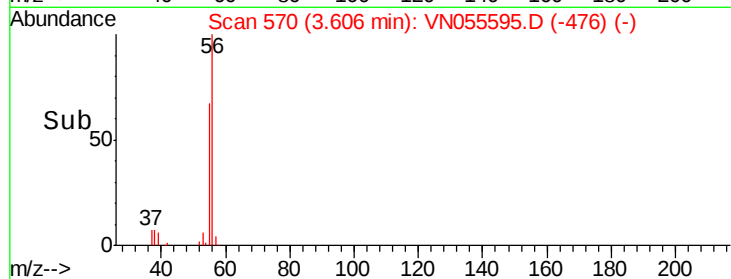
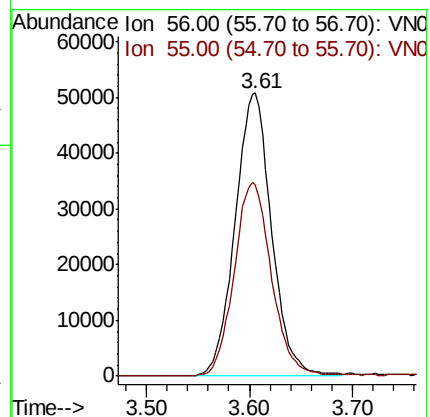
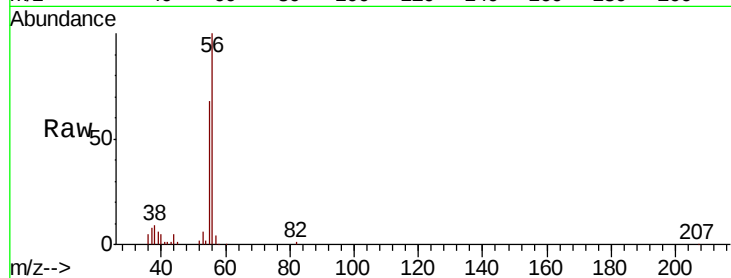
VN0514WBS01

Tot Ion: 56 Resp: 124943

Ion Ratio Lower Upper

56 100

55 69.7 57.1 85.7



#14

Allyl chloride

Concen: 20.308 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

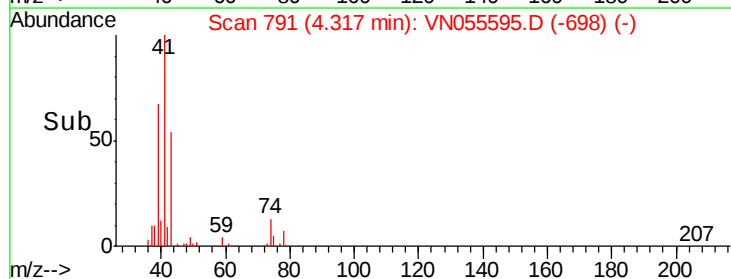
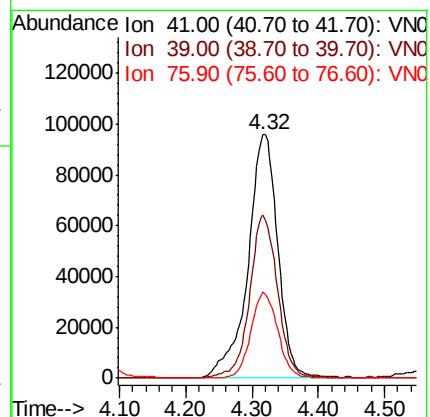
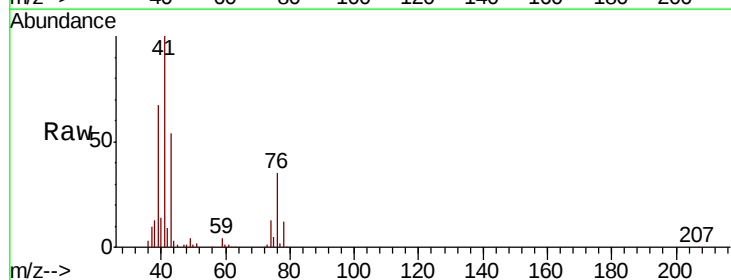
Tgt Ion: 41 Resp: 301526

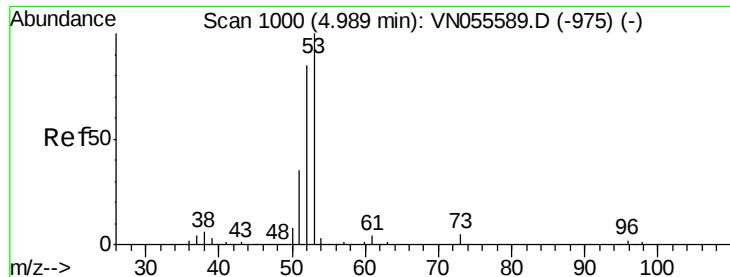
Ion Ratio Lower Upper

41 100

39 62.1 49.3 73.9

76 31.5 24.7 37.1





#15

Acrylonitrile

Concen: 102.338 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

VN0514WBS01

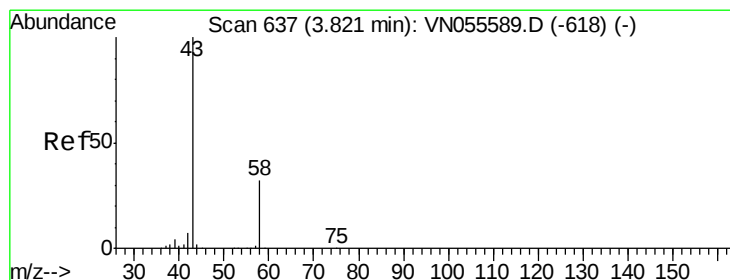
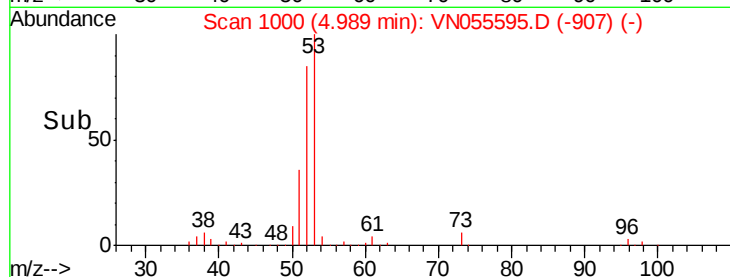
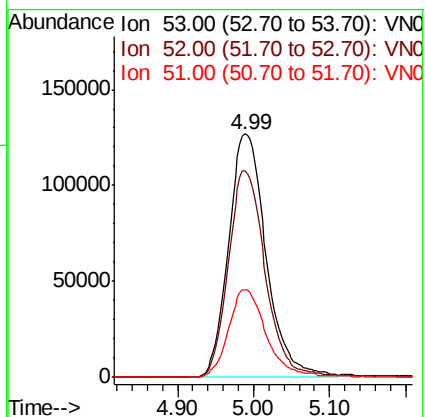
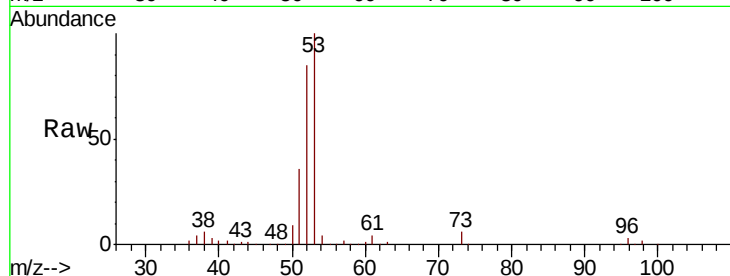
Tot Ion: 53 Resp: 437199

Ion Ratio Lower Upper

53 100

52 83.6 65.6 98.4

51 36.3 28.3 42.5



#16

Acetone

Concen: 83.580 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055595.D

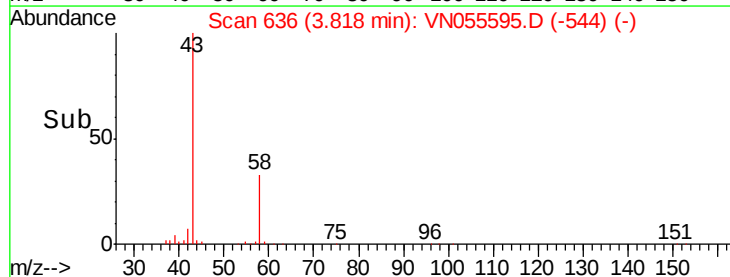
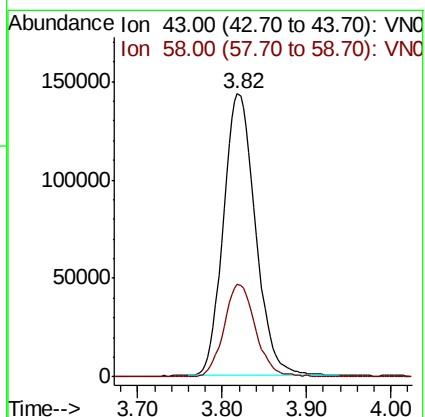
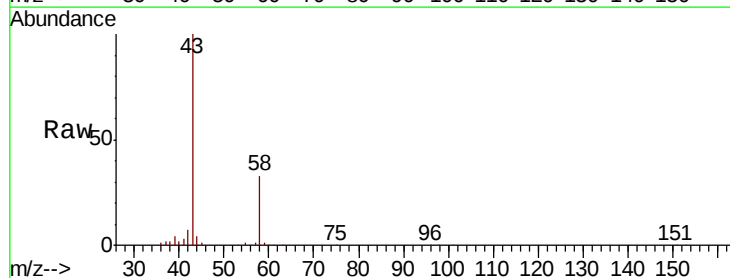
Acq: 14 May 2019 15:51

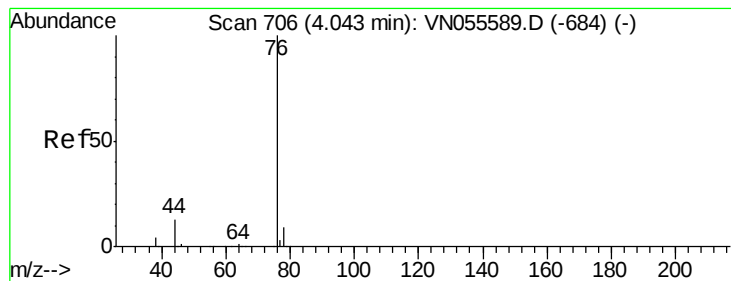
Tgt Ion: 43 Resp: 378531

Ion Ratio Lower Upper

43 100

58 32.8 25.7 38.5





#17

Carbon Disulfide

Concen: 19.807 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

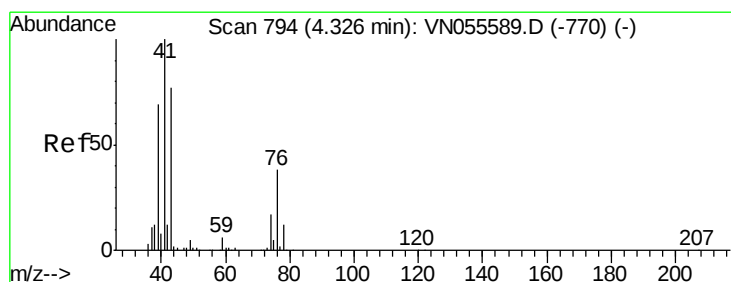
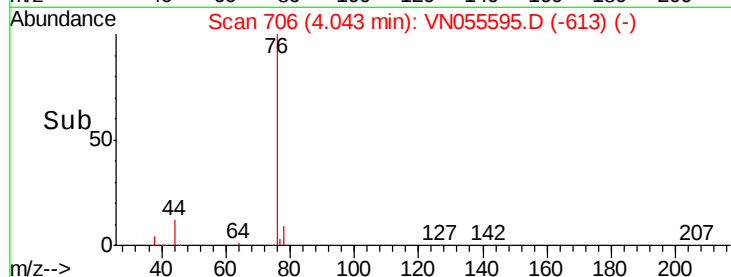
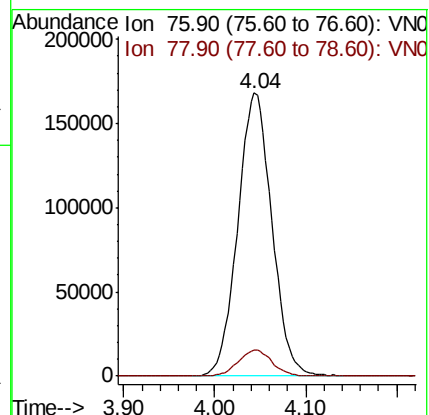
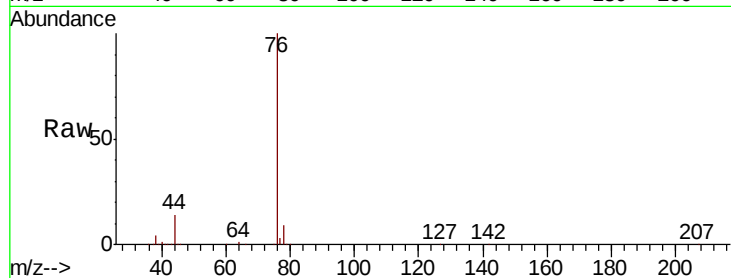
VN0514WBS01

Tot Ion: 76 Resp: 437416

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



#18

Methyl Acetate

Concen: 20.929 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055595.D

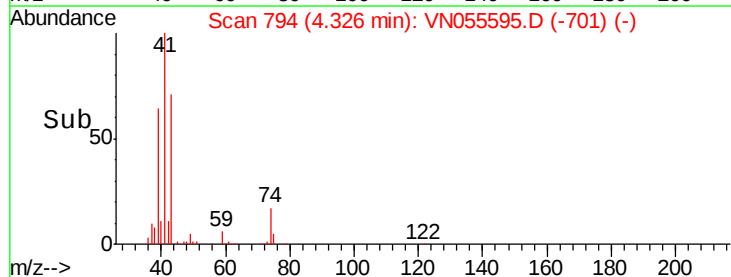
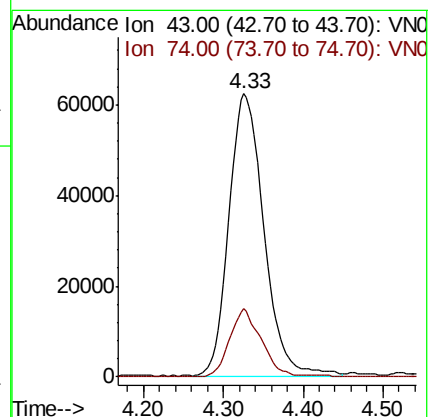
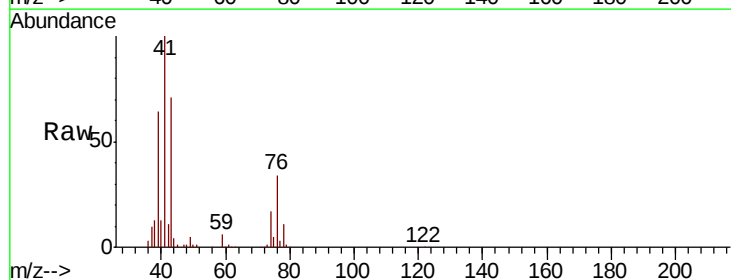
Acq: 14 May 2019 15:51

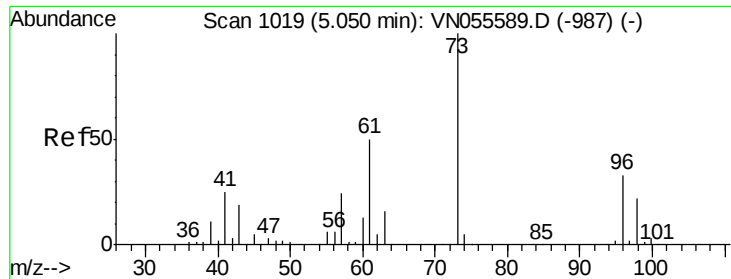
Tgt Ion: 43 Resp: 185353

Ion Ratio Lower Upper

43 100

74 22.1 17.4 26.2

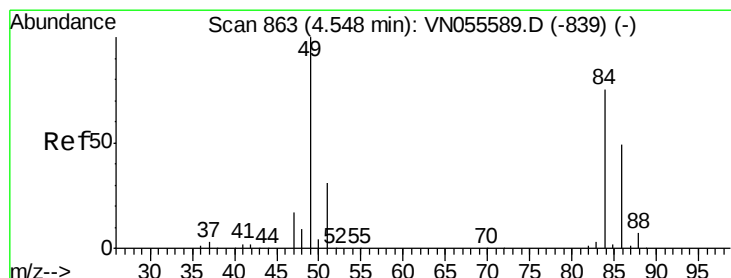
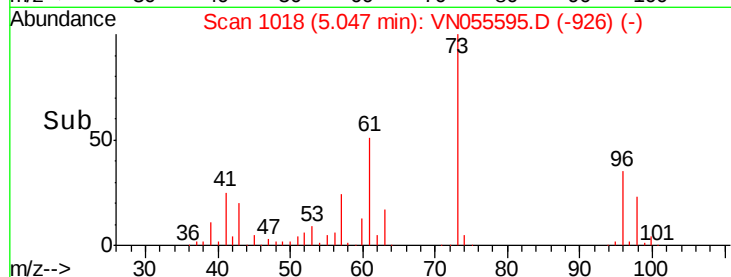
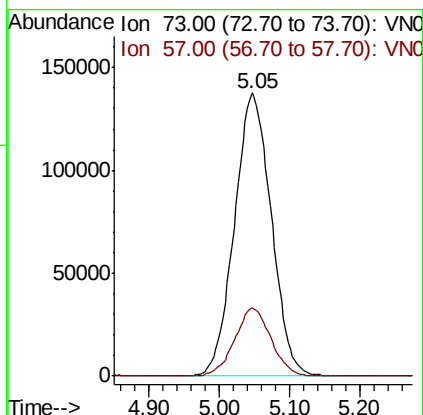
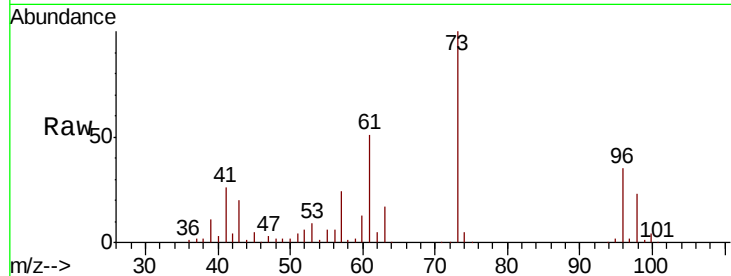




#19
Methyl tert-butyl Ether
Concen: 20.824 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

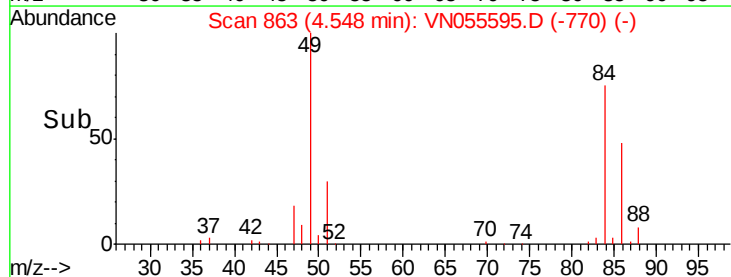
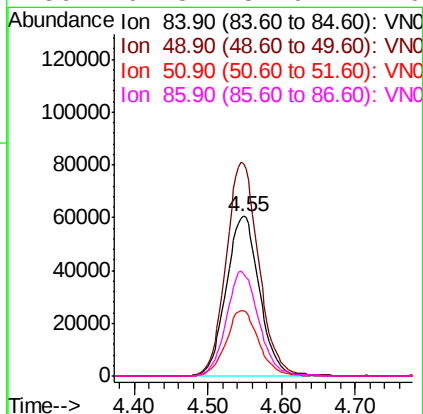
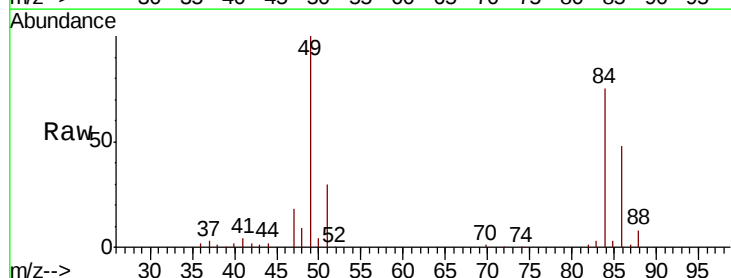
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

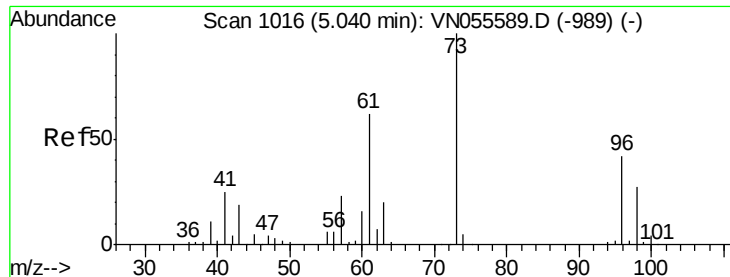
Tot Ion: 73 Resp: 501012
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3



#20
Methylene Chloride
Concen: 19.960 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 84 Resp: 190260
Ion Ratio Lower Upper
84 100
49 133.5 106.2 159.2
51 40.7 32.7 49.1
86 64.3 51.9 77.9

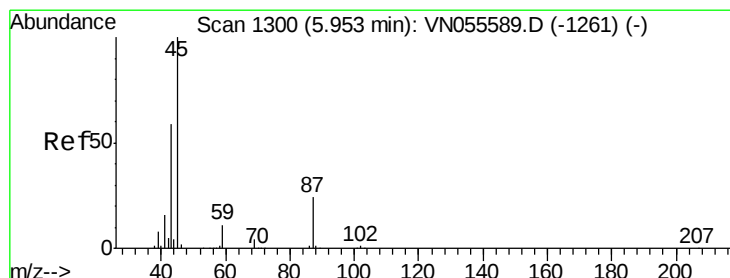
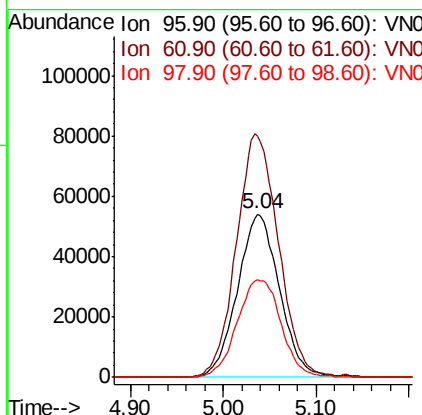
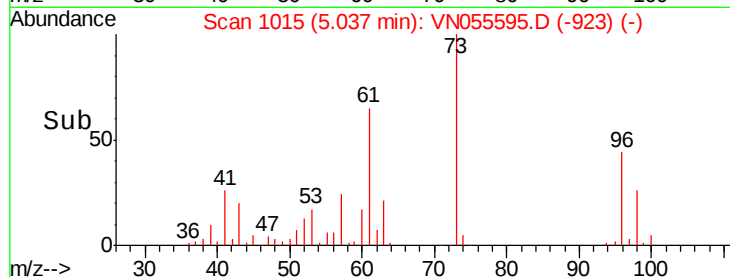
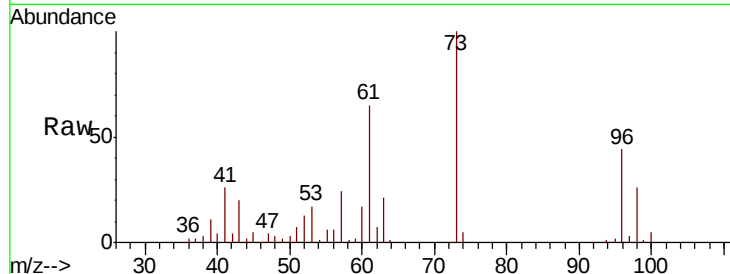




#21
trans-1,2-Dichloroethene
Concen: 20.306 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

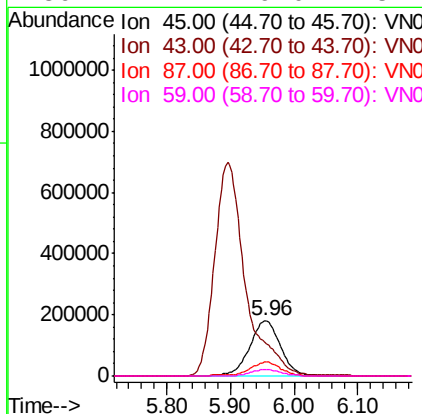
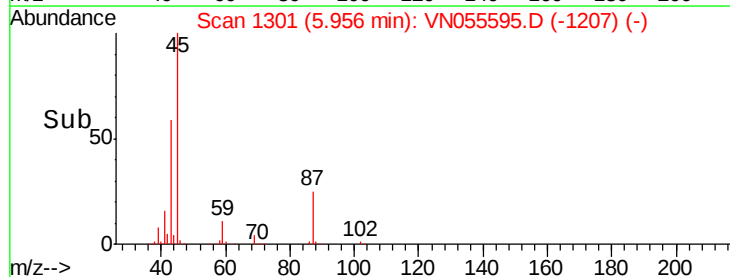
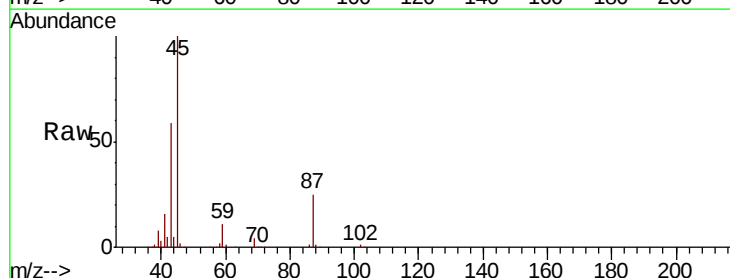
Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

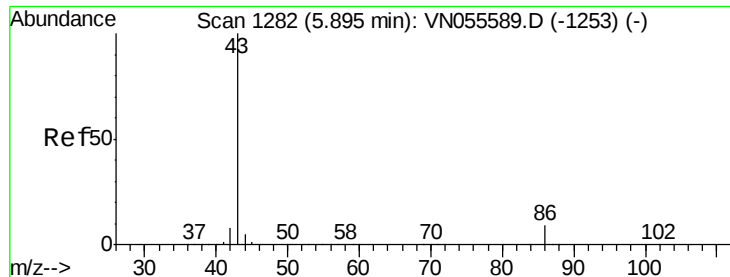
Tot Ion: 96 Resp: 170104
Ion Ratio Lower Upper
96 100
61 147.4 117.8 176.6
98 59.4 51.4 77.2



#22
Diisopropyl ether
Concen: 20.588 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 45 Resp: 613981
Ion Ratio Lower Upper
45 100
43 58.0 47.1 70.7
87 24.9 19.5 29.3
59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 105.201 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

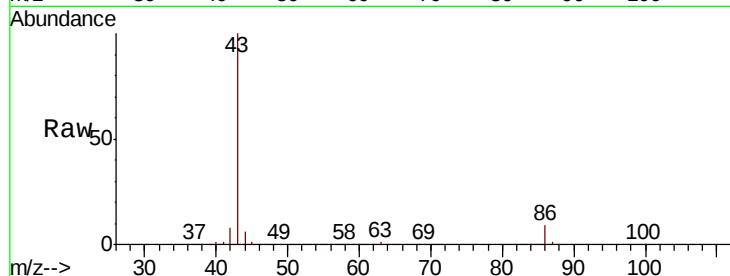
VN0514WBS01

Tot Ion: 43 Resp: 2350721

Ion Ratio Lower Upper

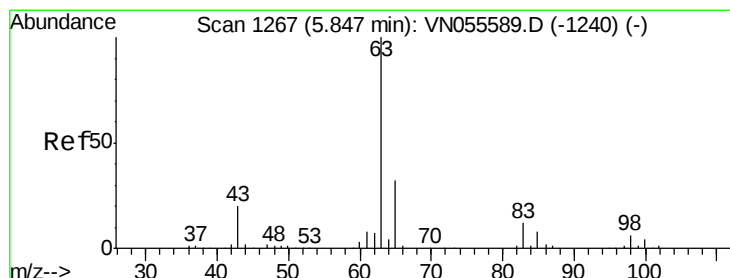
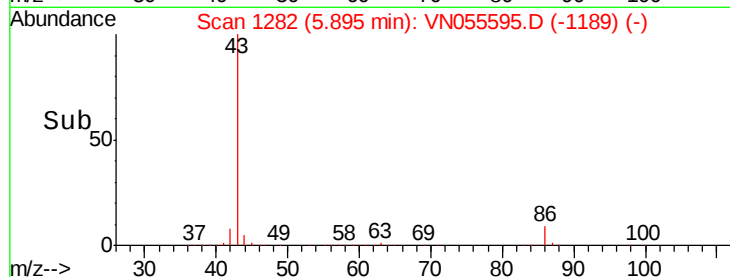
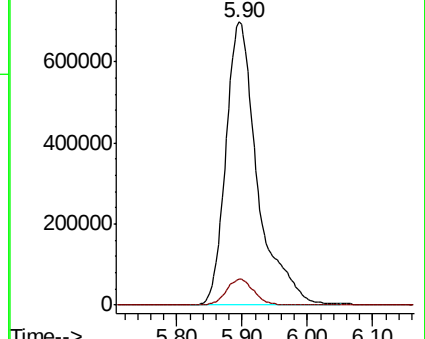
43 100

86 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN055589.D (-1253) (-)



#24

1,1-Dichloroethane

Concen: 20.186 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

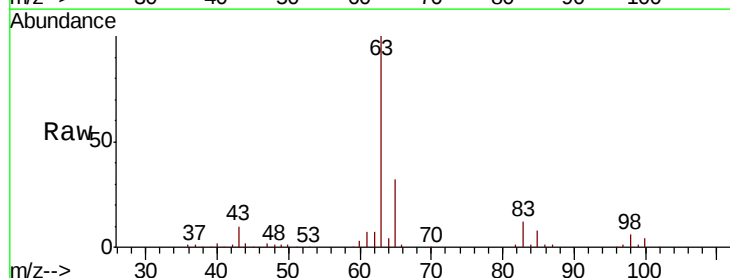
Tgt Ion: 63 Resp: 334334

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

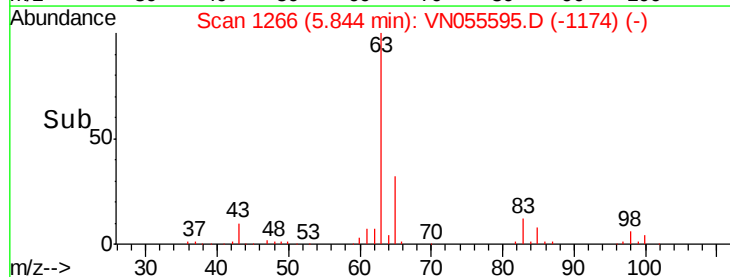
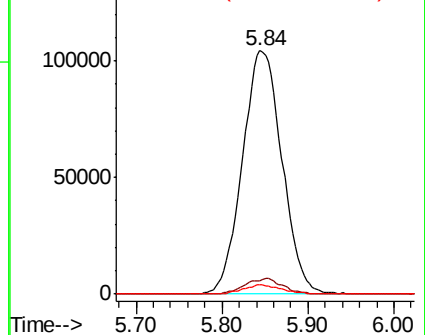
100 3.7 2.1 6.3

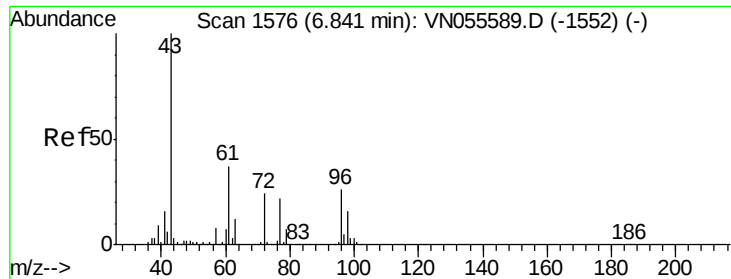


Abundance Ion 62.90 (62.60 to 63.60): VN055589.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN055589.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN055589.D (-1240) (-)

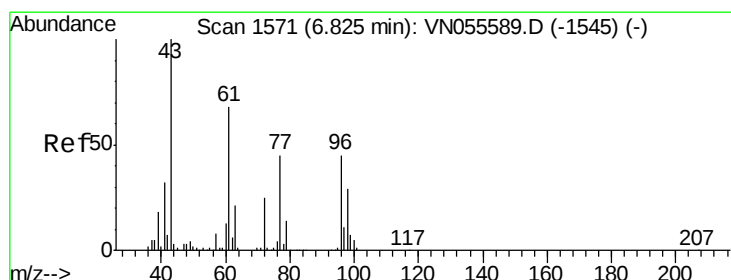
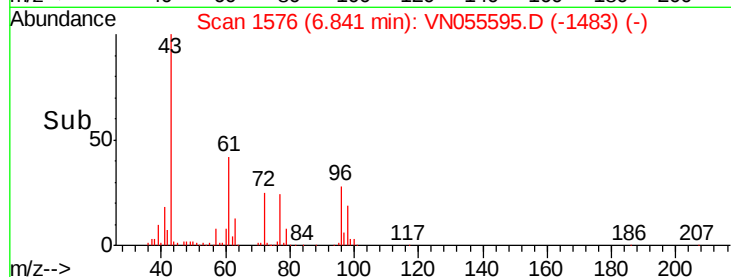
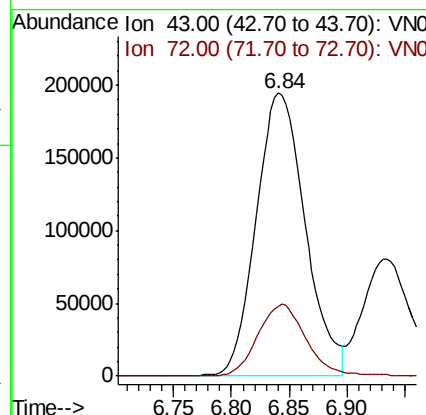
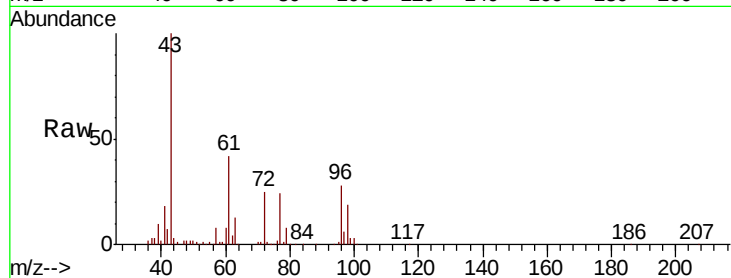




#25
 2-Butanone
 Concen: 96.036 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

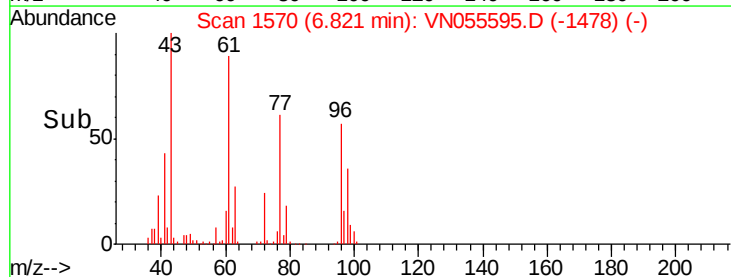
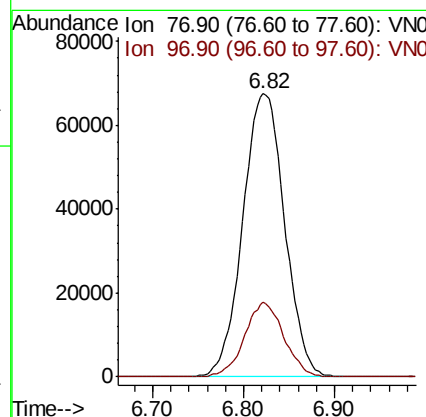
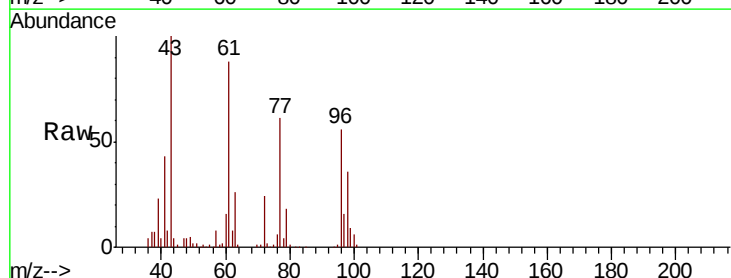
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

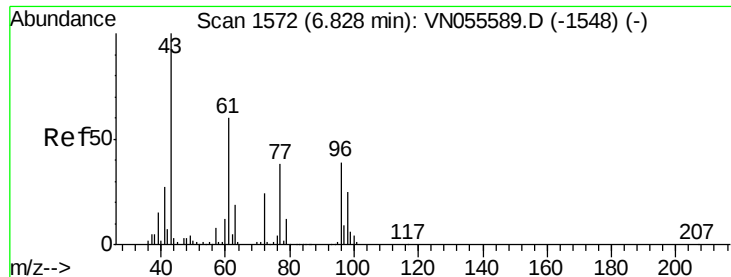
Tot Ion: 43 Resp: 570039
 Ion Ratio Lower Upper
 43 100
 72 24.7 19.5 29.3



#26
 2,2-Dichloropropane
 Concen: 20.138 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 77 Resp: 215423
 Ion Ratio Lower Upper
 77 100
 97 24.8 11.7 35.1

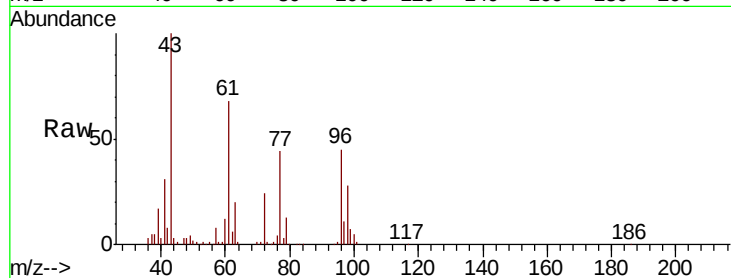




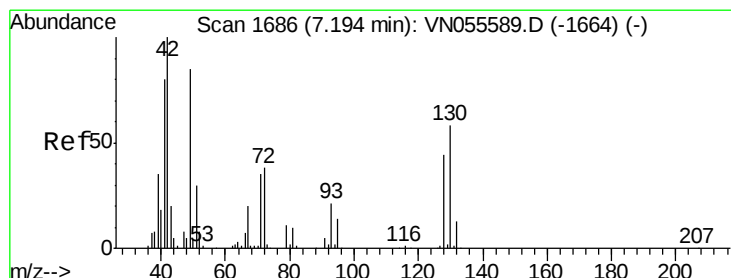
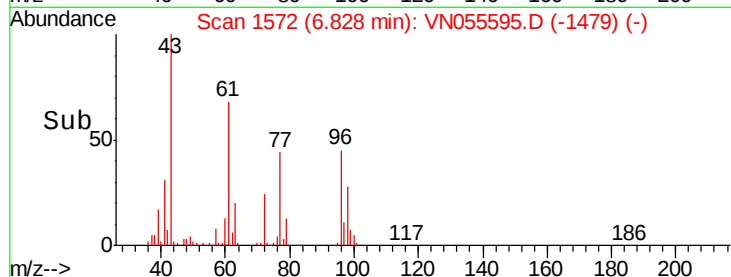
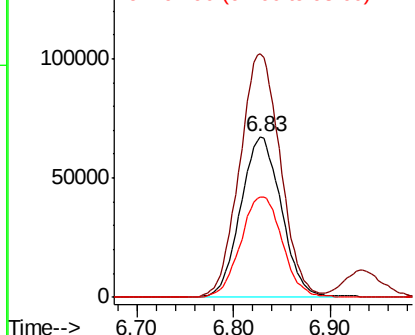
#27
 cis-1,2-Dichloroethene
 Concen: 20.248 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0514WBS01

Tot Ion: 96 Resp: 196501
 Ion Ratio Lower Upper
 96 100
 61 152.1 0.0 305.0
 98 64.1 0.0 128.2

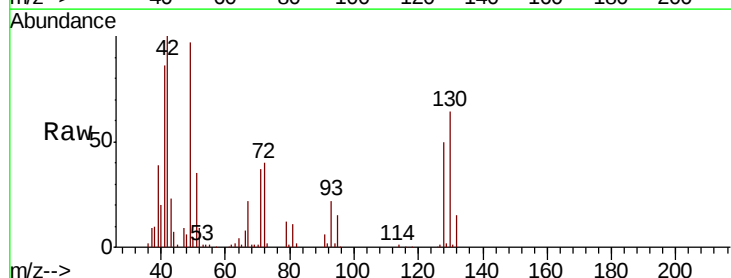


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

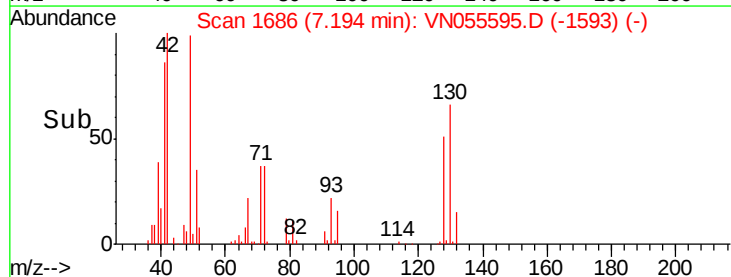
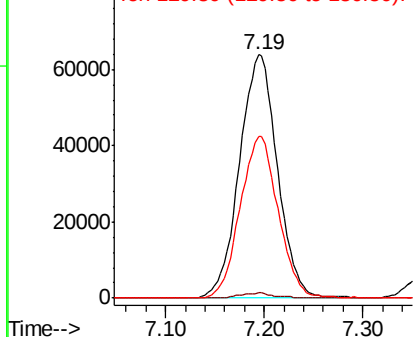


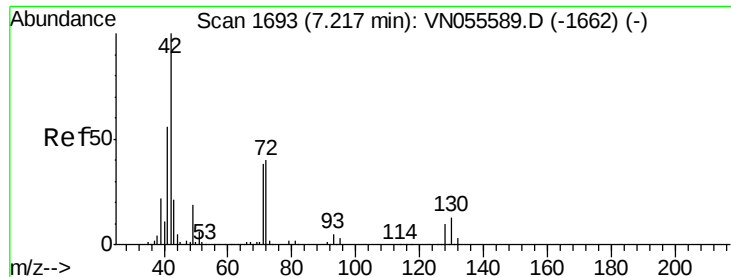
#28
 Bromochloromethane
 Concen: 21.078 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 49 Resp: 169563
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 66.8 52.4 78.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

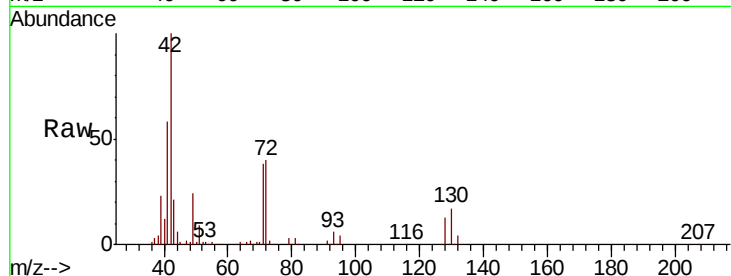




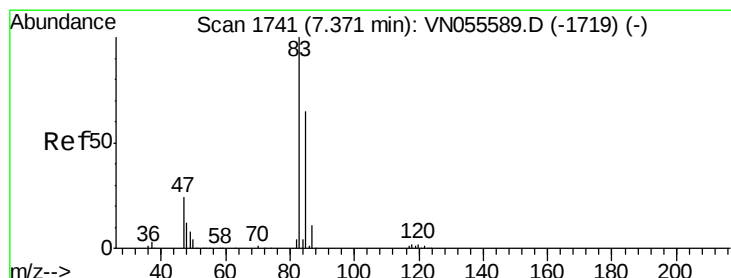
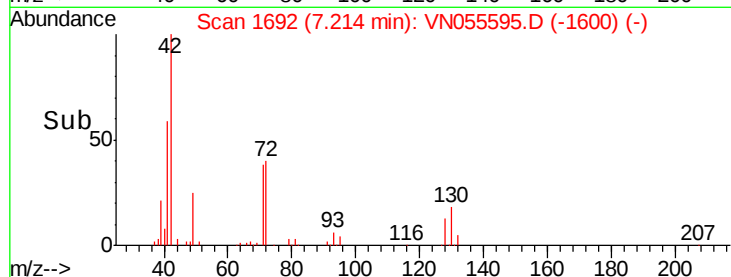
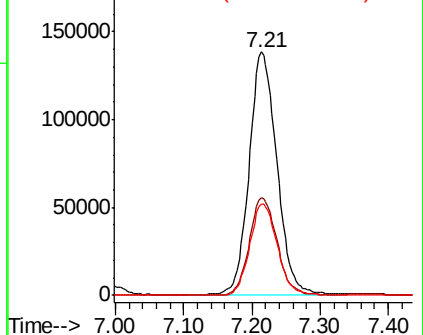
#29
Tetrahydrofuran
Concen: 101.601 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.2
71	37.4	29.9	44.9

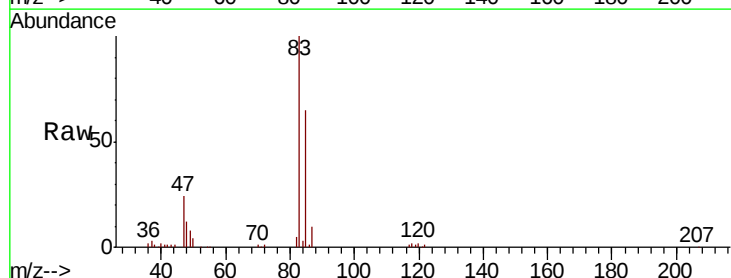


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

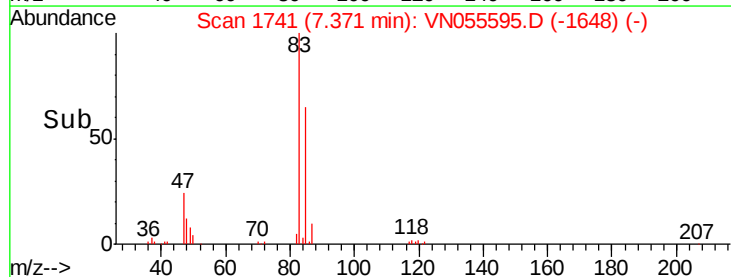
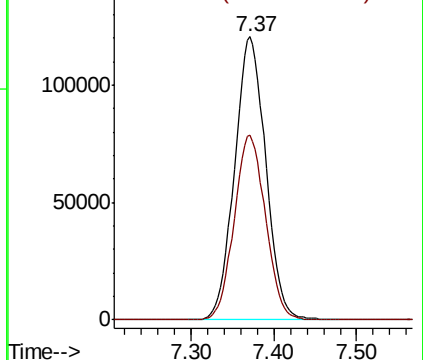


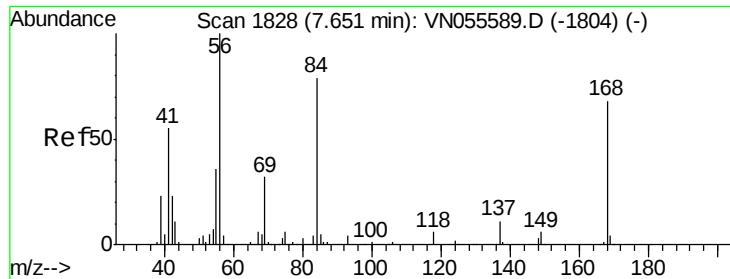
#30
Chloroform
Concen: 20.292 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

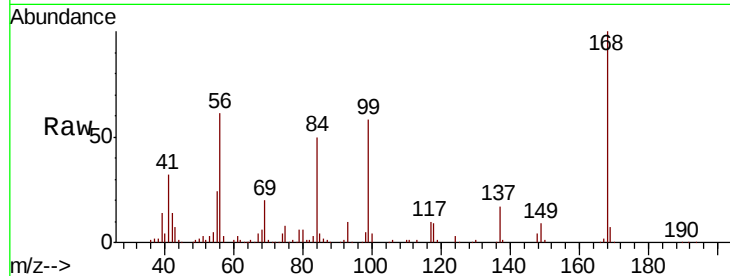




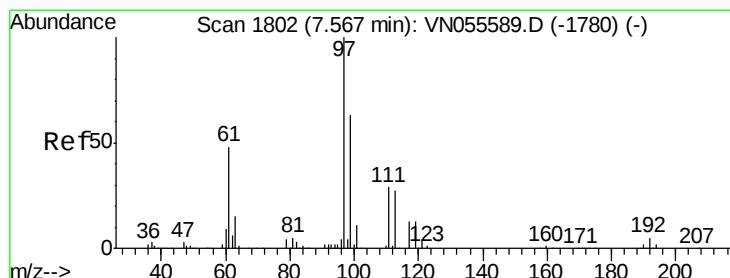
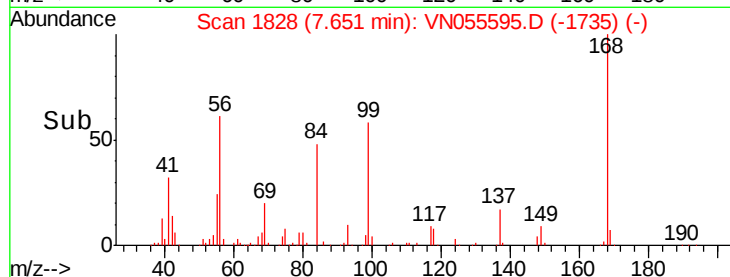
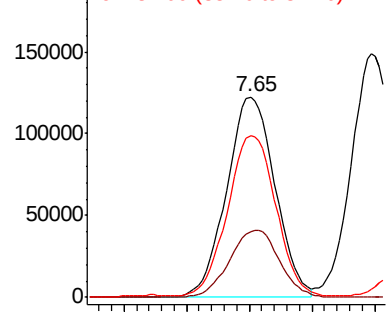
#31
Cyclohexane
Concen: 19.983 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion: 56 Resp: 329355
Ion Ratio Lower Upper
56 100
69 32.6 25.7 38.5
84 79.8 63.4 95.0

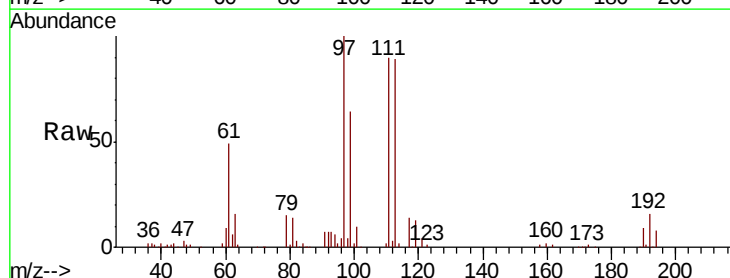


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

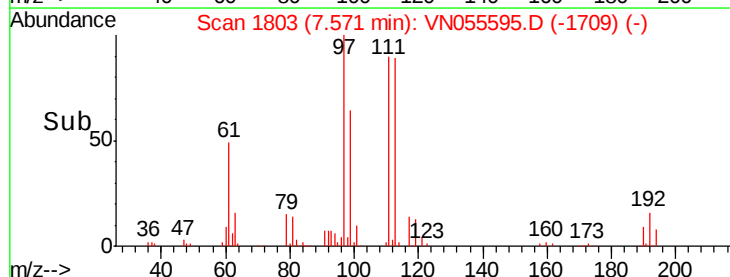
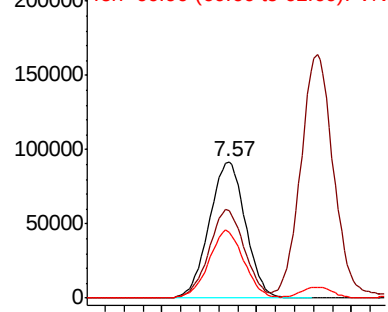


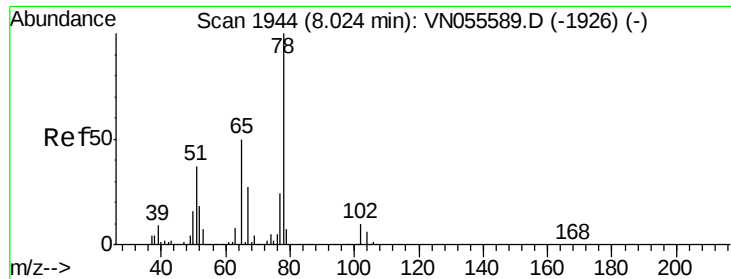
#32
1,1,1-Trichloroethane
Concen: 20.365 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 97 Resp: 244418
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 48.3 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 51.178 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

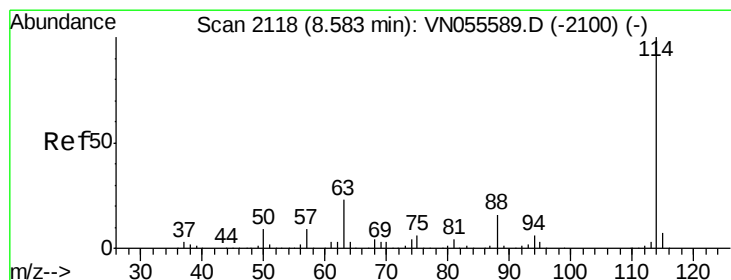
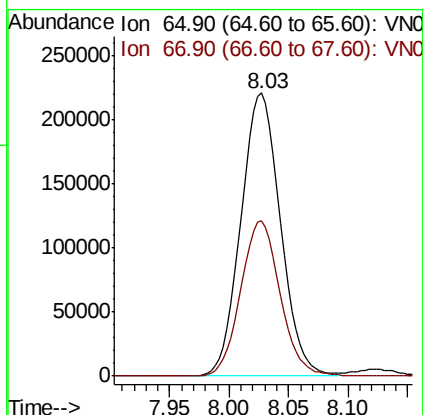
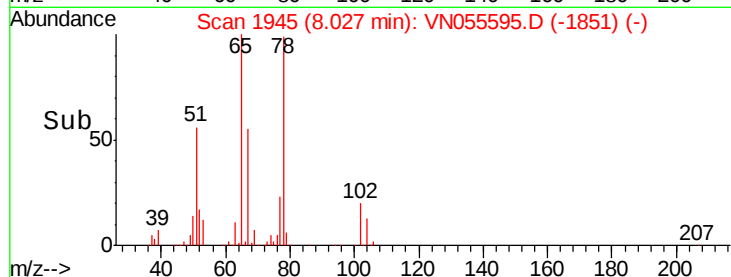
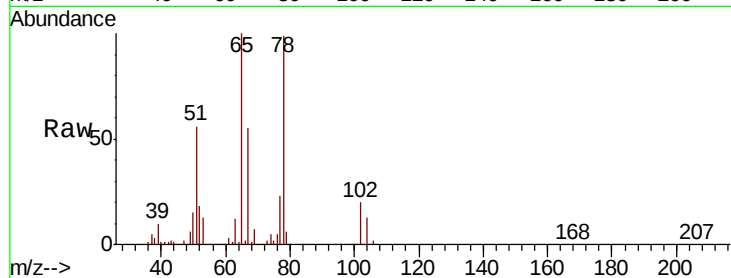
VN0514WBS01

Tot Ion: 65 Resp: 509587

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

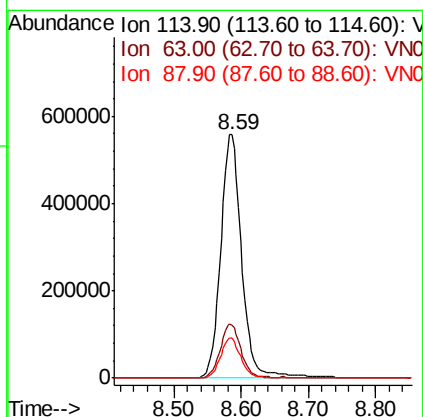
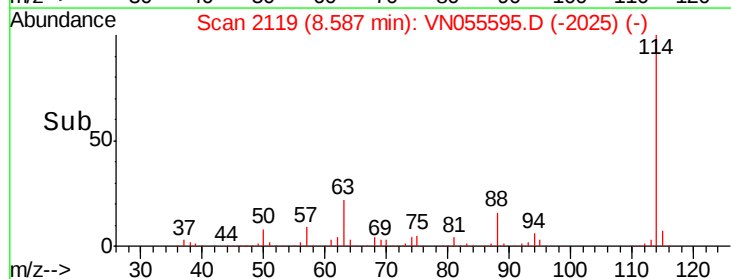
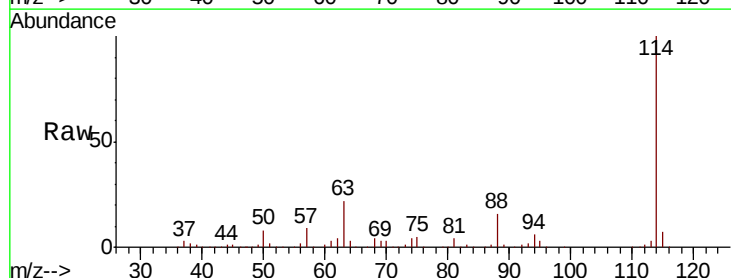
Tgt Ion: 114 Resp: 1218500

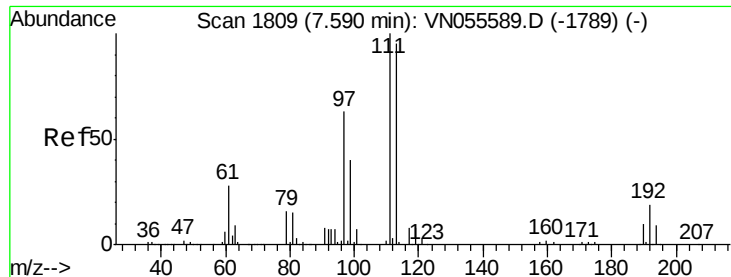
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.8

88 16.3 0.0 32.6

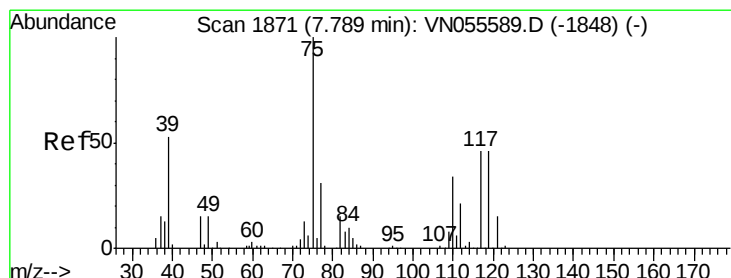
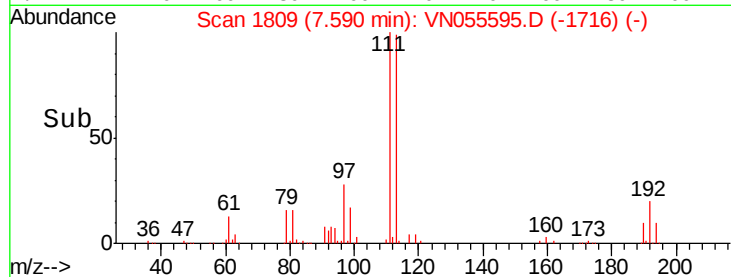
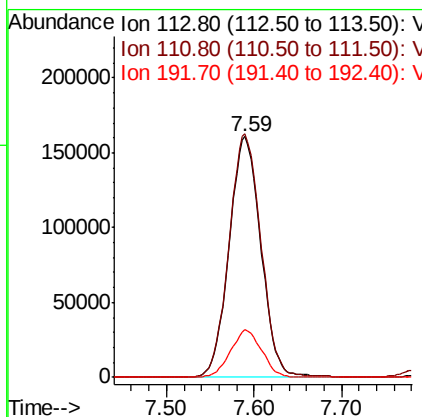
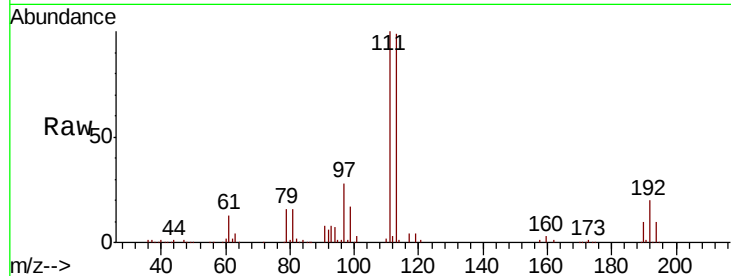




#35
 Dibromofluoromethane
 Concen: 50.975 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

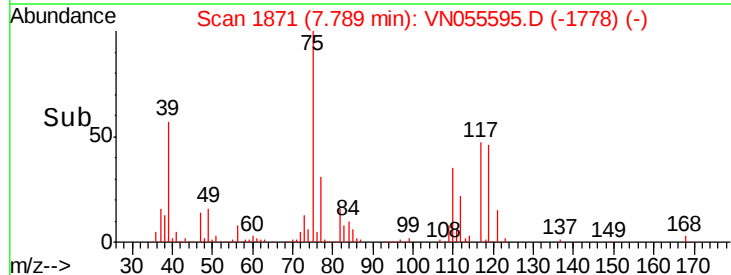
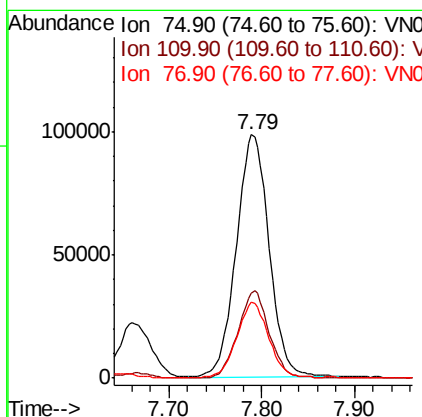
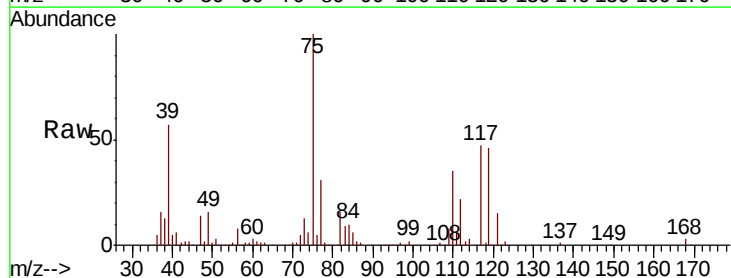
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

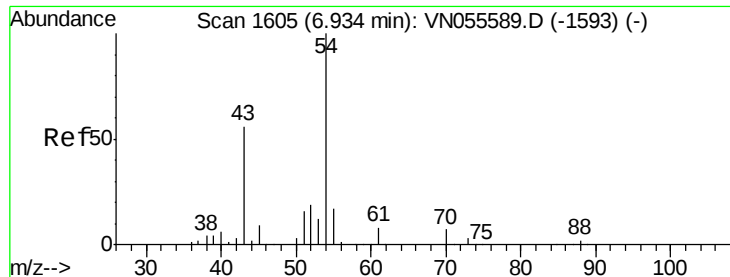
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	19.4	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 19.944 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.7	24.9	37.3

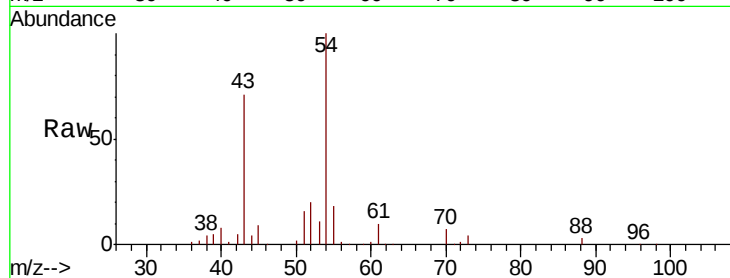




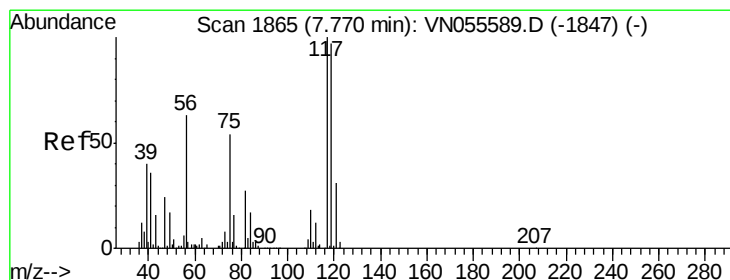
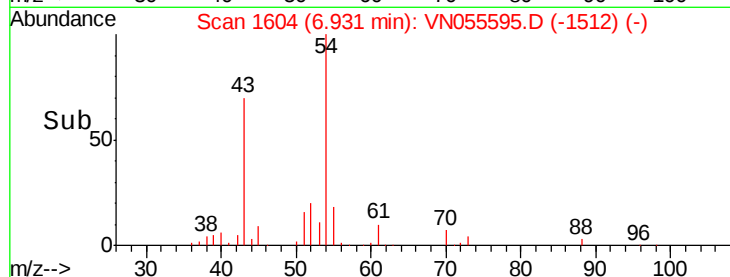
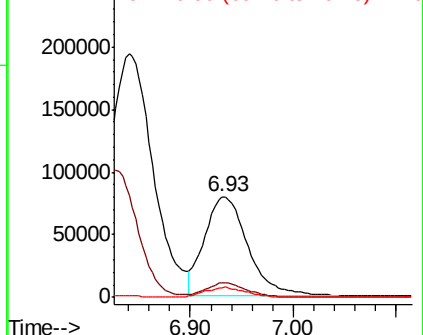
#37
Ethyl Acetate
Concen: 20.410 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

Tot Ion: 43 Resp: 231676
Ion Ratio Lower Upper
43 100
61 13.8 10.8 16.2
70 8.8 7.4 11.2

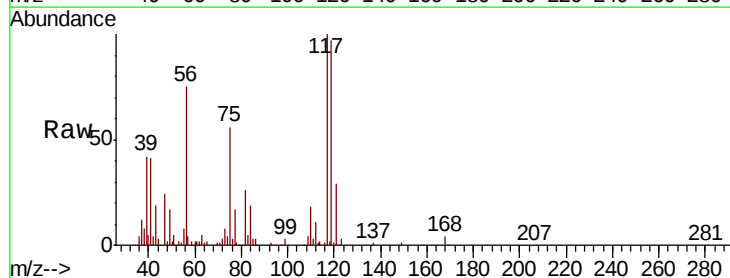


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

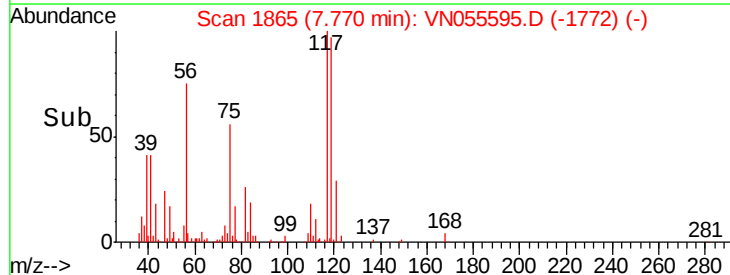
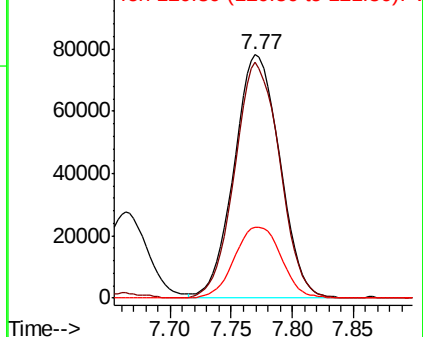


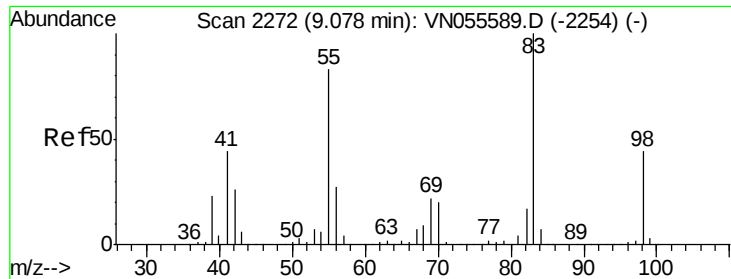
#38
Carbon Tetrachloride
Concen: 20.000 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 117 Resp: 201153
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7
121 29.4 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

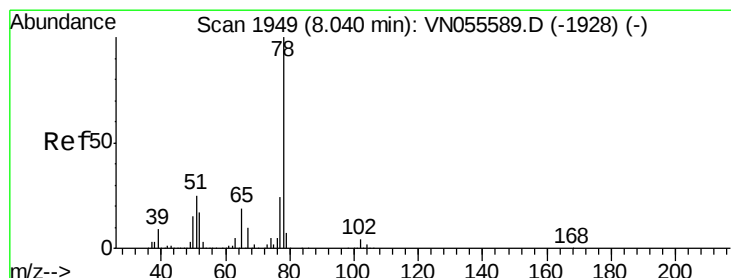
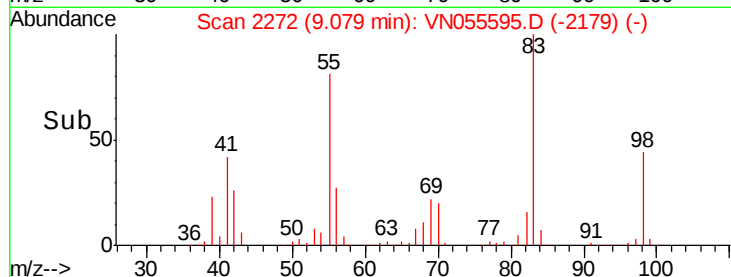
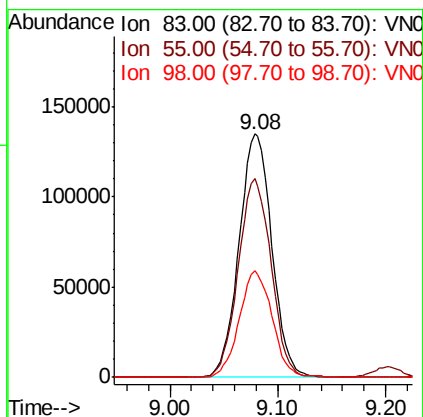
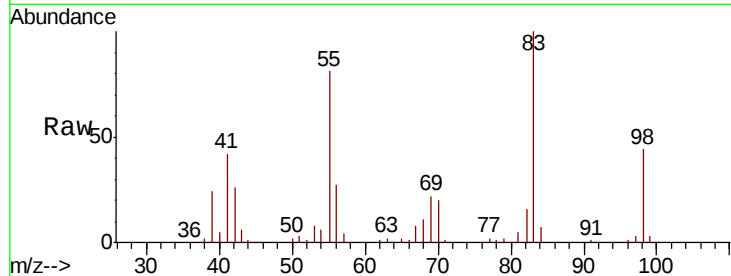




#39
Methvlcvclohexane
Concen: 20.042 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

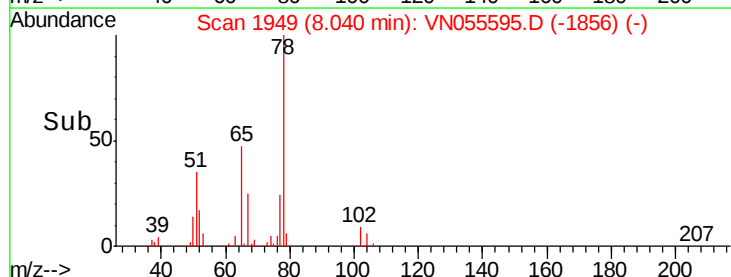
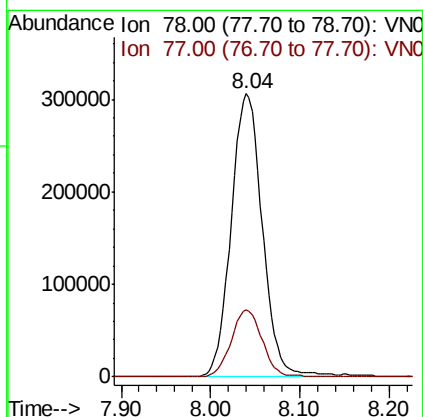
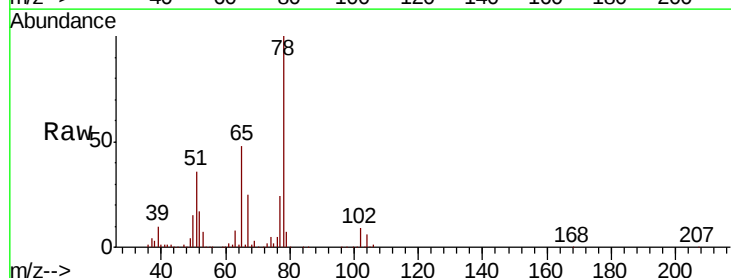
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

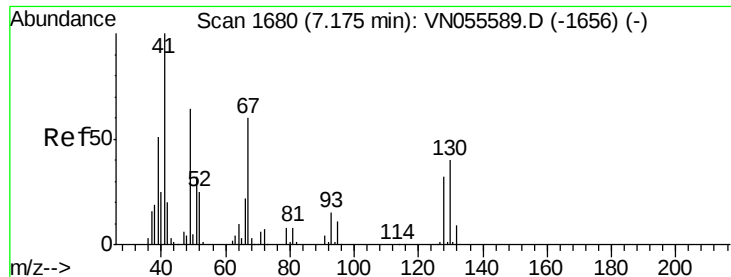
Tot Ion: 83 Resp: 285939
Ion Ratio Lower Upper
83 100
55 81.4 66.3 99.5
98 43.8 34.8 52.2



#40
Benzene
Concen: 20.124 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 78 Resp: 744512
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

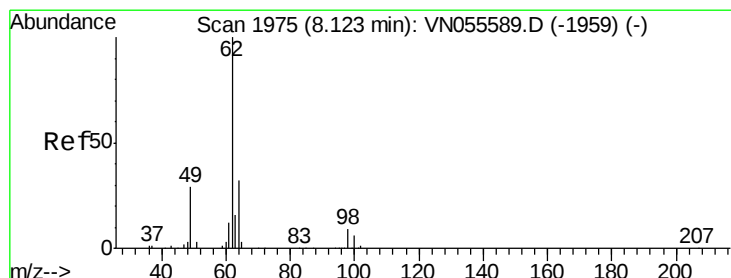
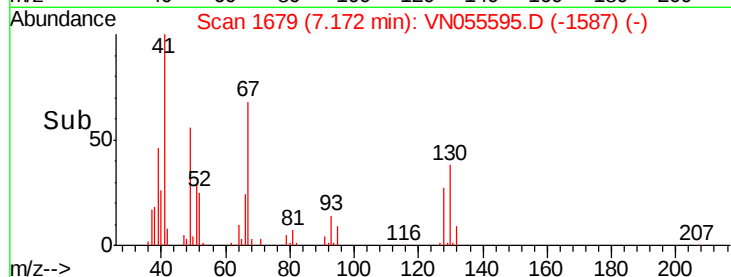
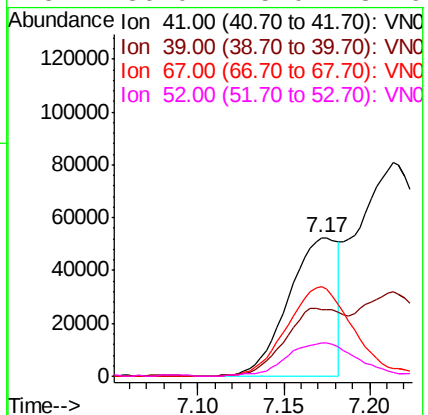
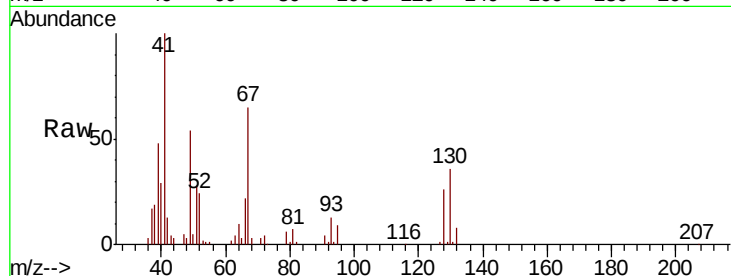




#41
Methacrylonitrile
Concen: 20.199 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

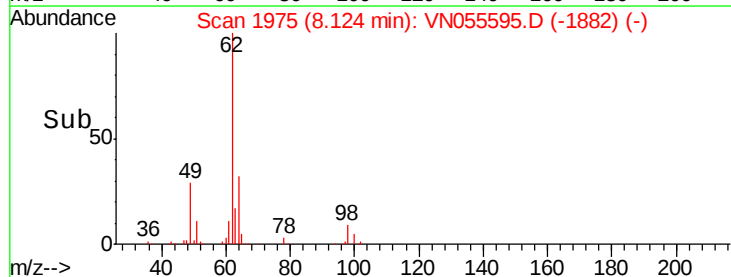
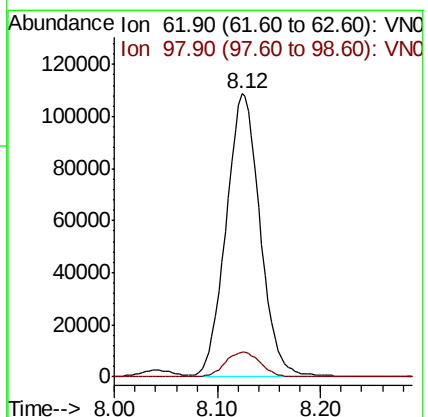
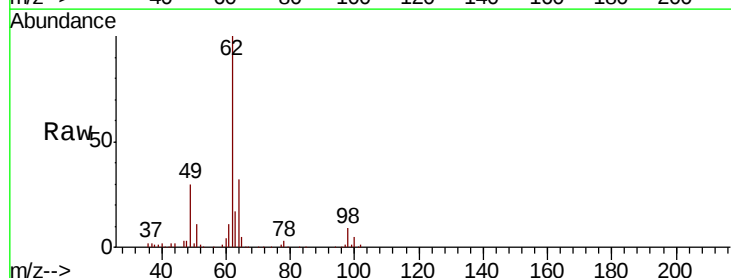
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

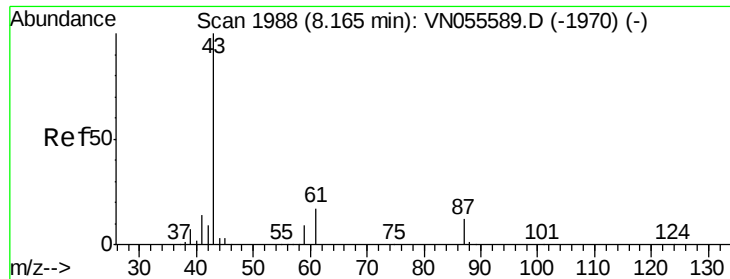
Tot Ion:	41	Resp:	104514
Ion	Ratio	Lower	Upper
41	100		
39	60.1	44.1	66.1
67	88.7	63.4	95.0
52	36.0	25.0	37.6



#42
1,2-Dichloroethane
Concen: 20.103 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion:	62	Resp:	248037
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43

Isopropyl Acetate

Concen: 20.314 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

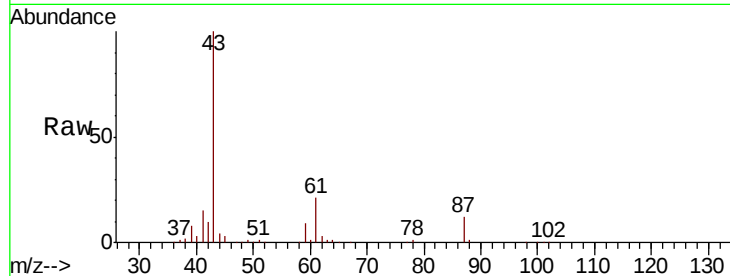
Tot Ion: 43 Resp: 361640

Ion Ratio Lower Upper

43 100

61 20.8 16.1 24.1

87 11.8 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055589.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1970) (-)

8.17

150000

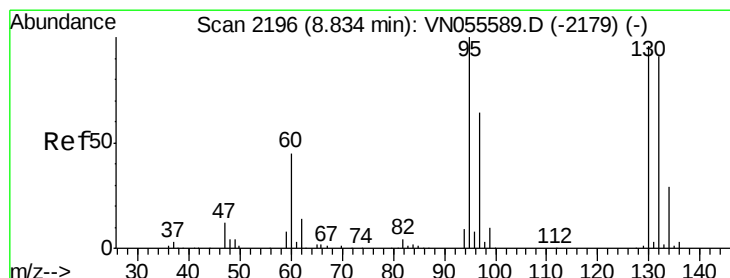
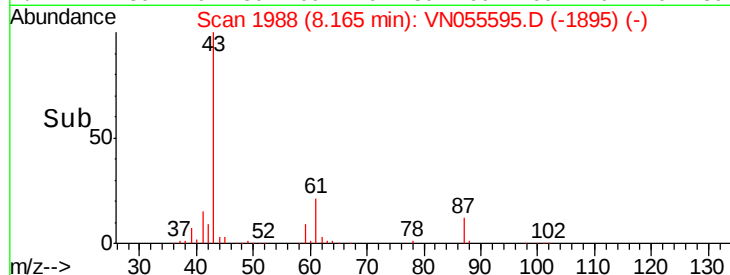
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.891 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055595.D

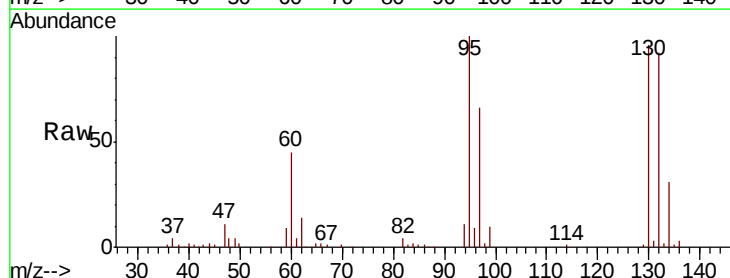
Acq: 14 May 2019 15:51

Tgt Ion:130 Resp: 176982

Ion Ratio Lower Upper

130 100

95 104.7 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN055589.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055589.D (-2179) (-)

8.83

100000

80000

60000

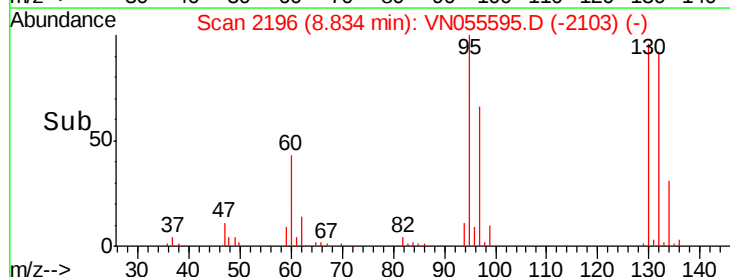
40000

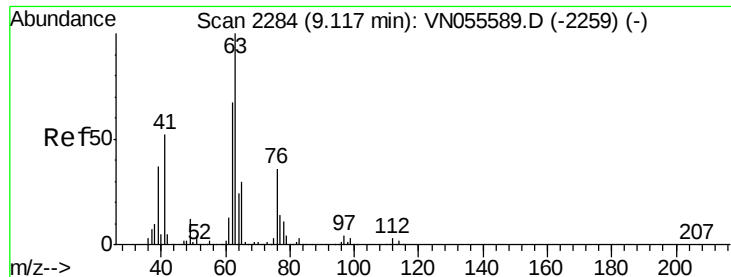
20000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 20.209 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

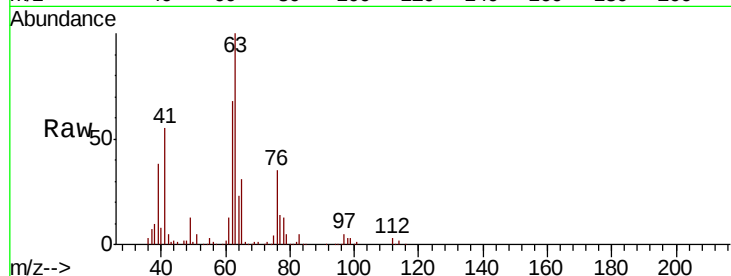
VN0514WBS01

Tot Ion: 63 Resp: 206072

Ion Ratio Lower Upper

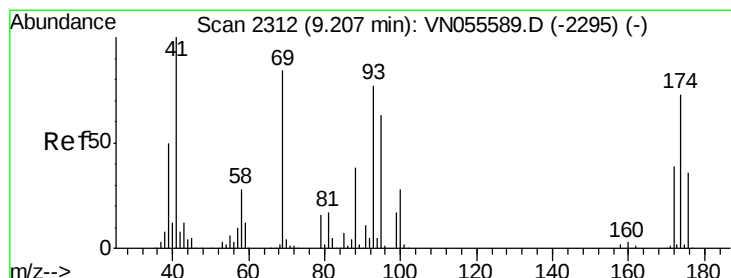
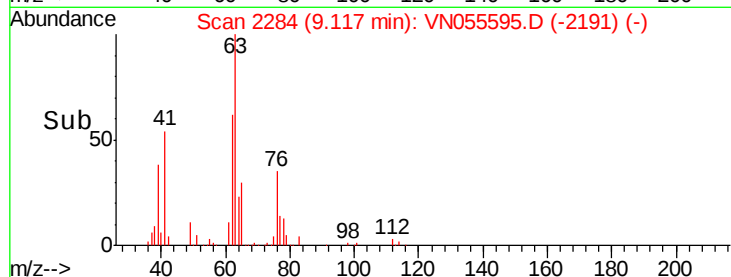
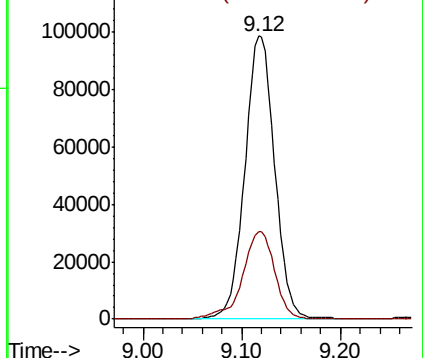
63 100

65 30.9 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.136 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

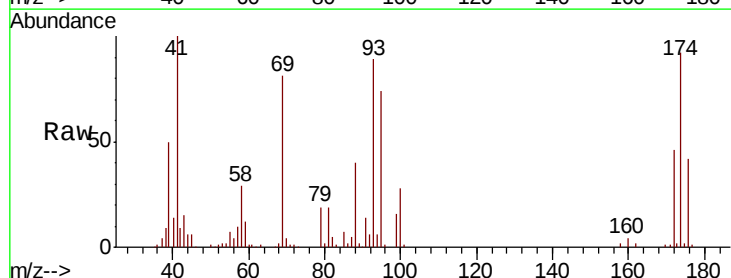
Tgt Ion: 93 Resp: 121267

Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

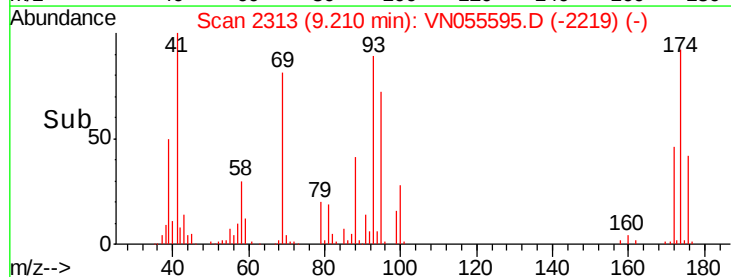
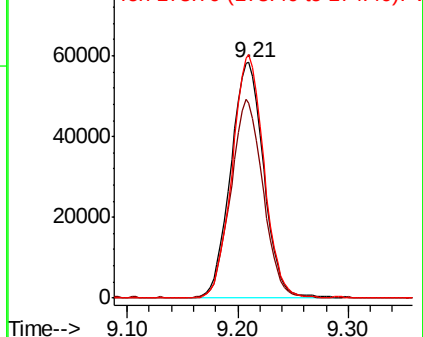
174 99.1 78.4 117.6

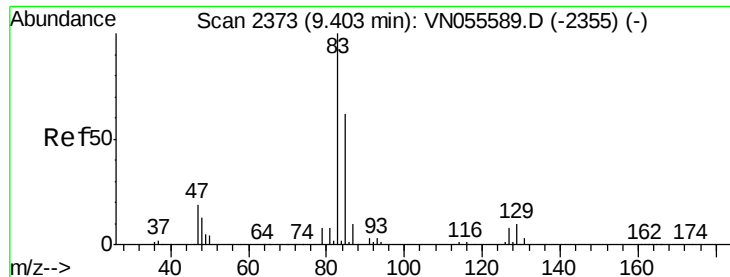


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.265 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

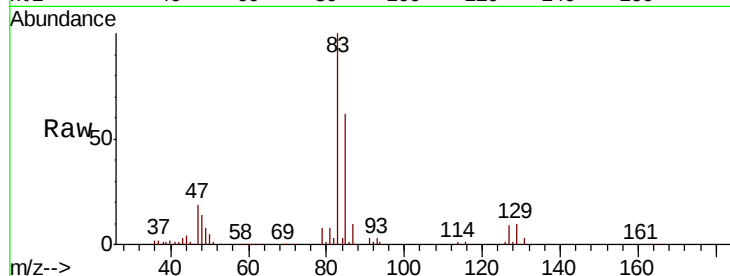
Tot Ion: 83 Resp: 232636

Ion Ratio Lower Upper

83 100

85 62.4 49.6 74.4

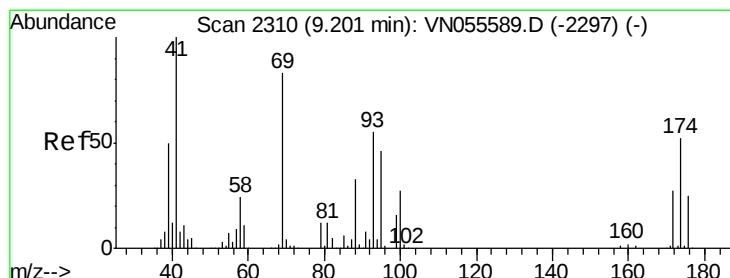
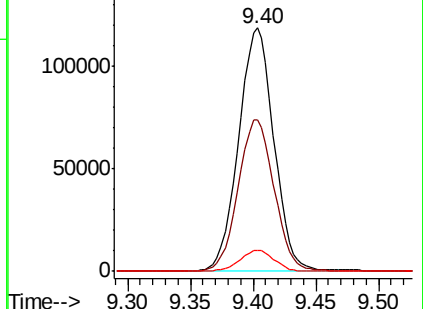
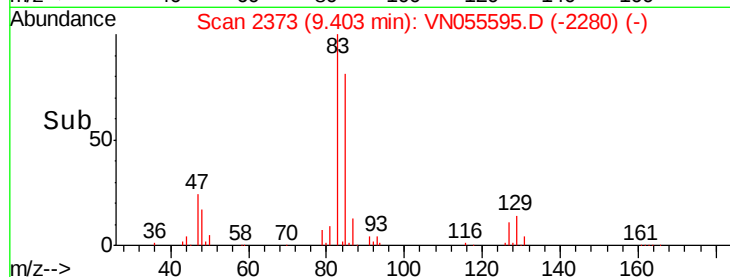
127 8.8 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN055595.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055595.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055595.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.721 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

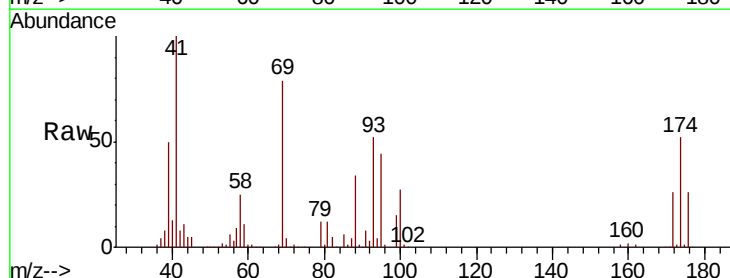
Tgt Ion: 41 Resp: 171502

Ion Ratio Lower Upper

41 100

69 83.2 65.7 98.5

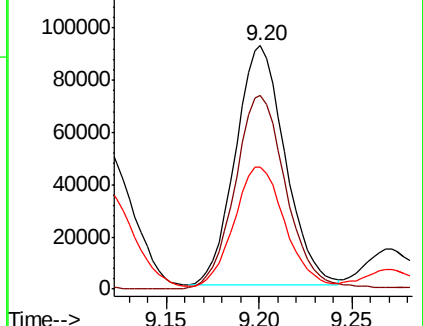
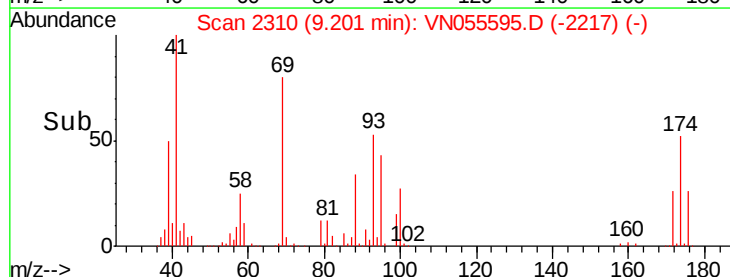
39 52.1 40.2 60.4

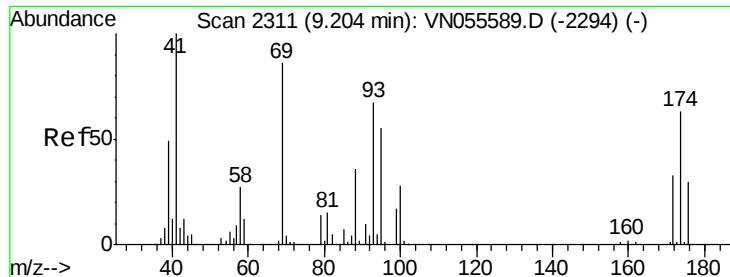


Abundance Ion 41.00 (40.70 to 41.70): VN055595.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055595.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055595.D (-2217) (-)





#49

1,4-Dioxane

Concen: 418.139 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

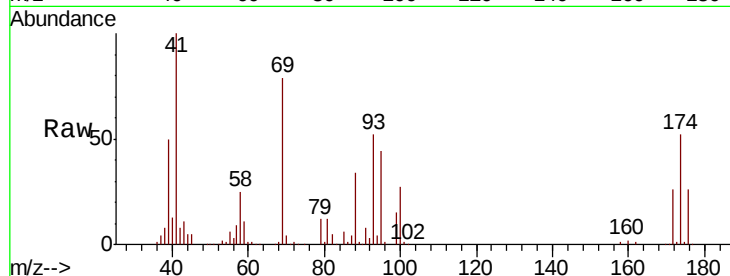
Tot Ion: 88 Resp: 66458

Ion Ratio Lower Upper

88 100

43 32.0 25.4 38.0

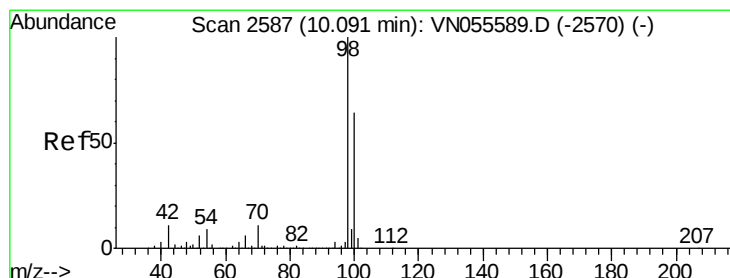
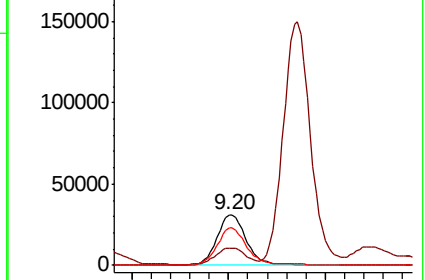
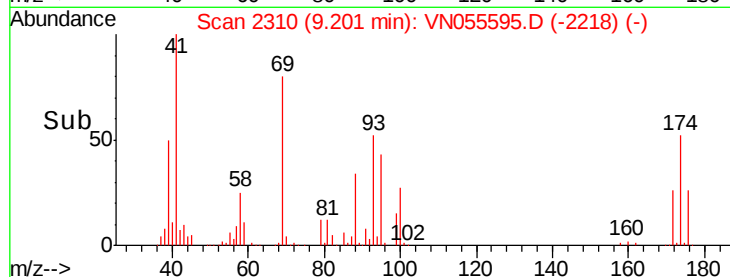
58 73.8 59.4 89.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.528 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055595.D

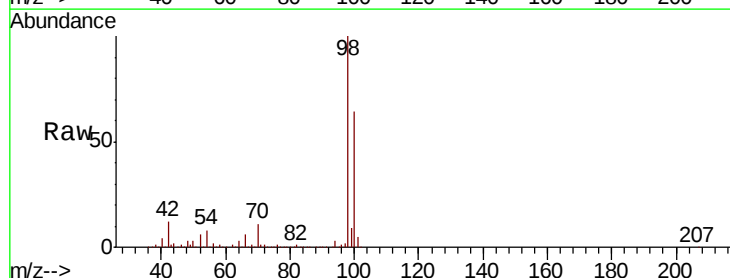
Acq: 14 May 2019 15:51

Tgt Ion: 98 Resp: 1563036

Ion Ratio Lower Upper

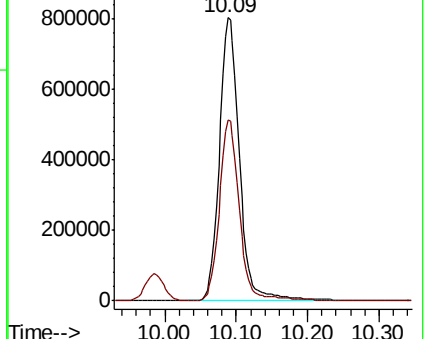
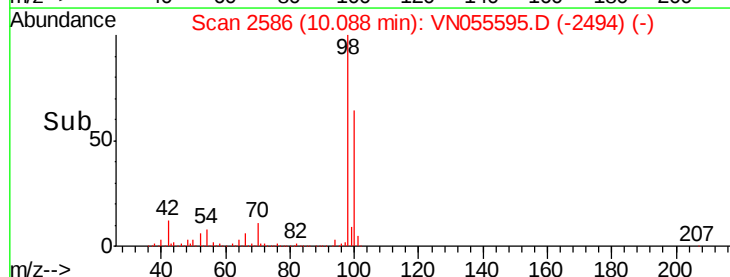
98 100

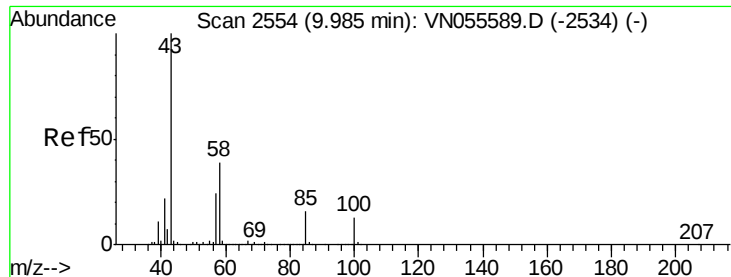
100 64.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.126 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

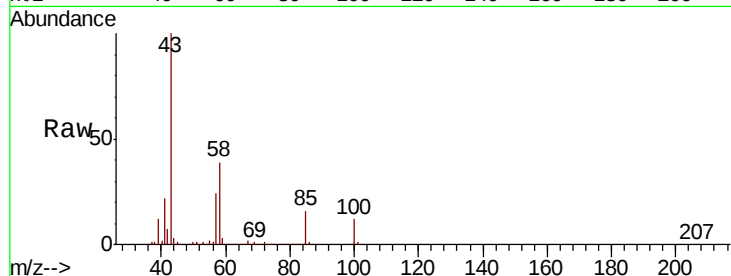
VN0514WBS01

Tot Ion: 43 Resp: 1131130

Ion Ratio Lower Upper

43 100

58 38.5 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

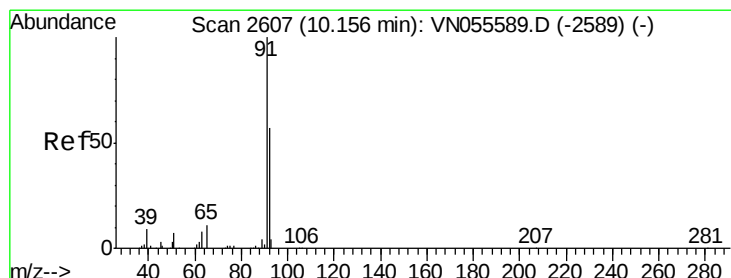
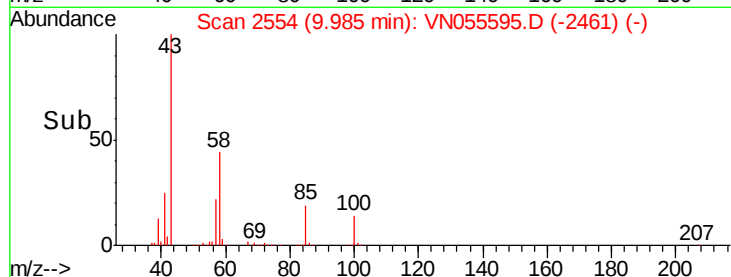
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.211 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055595.D

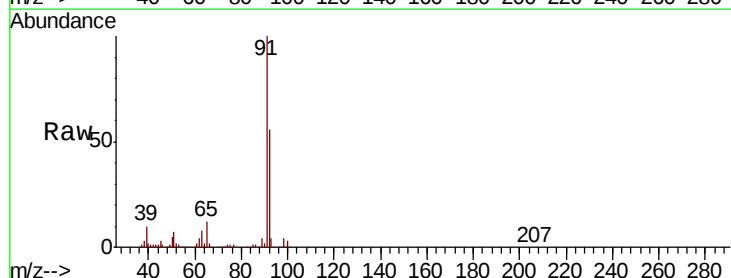
Acq: 14 May 2019 15:51

Tgt Ion: 92 Resp: 428401

Ion Ratio Lower Upper

92 100

91 175.6 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

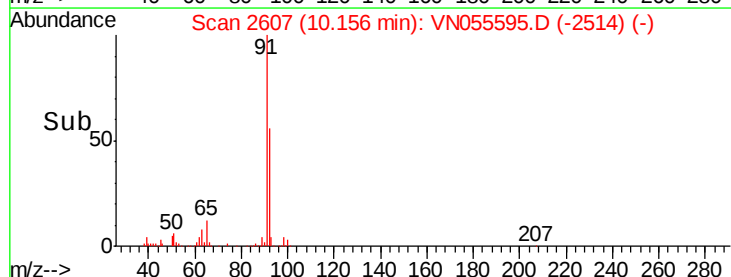
300000

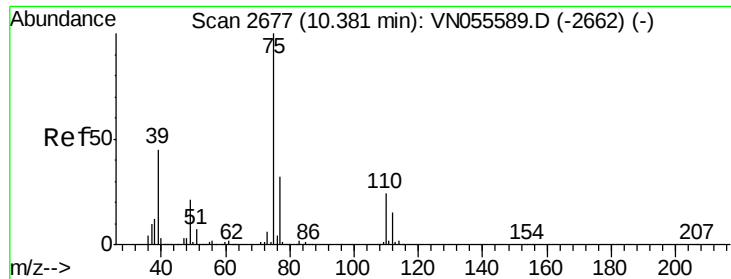
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.670 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

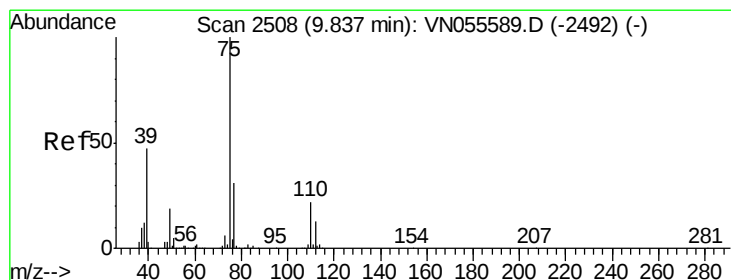
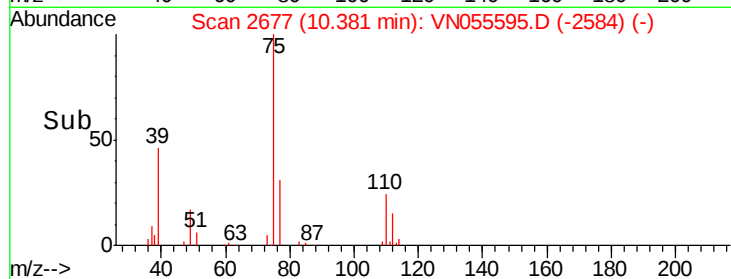
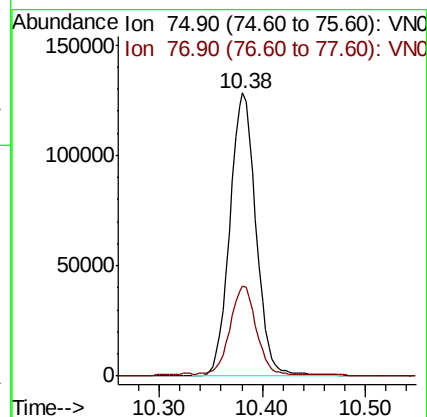
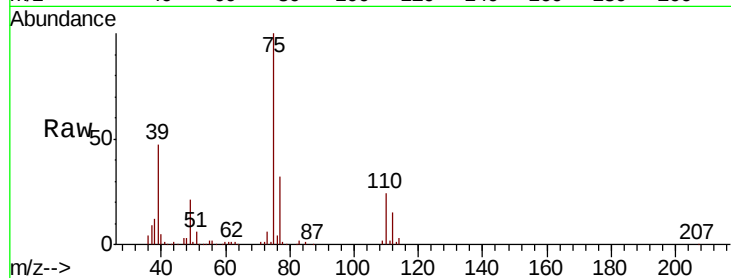
VN0514WBS01

Tot Ion: 75 Resp: 227484

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.685 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

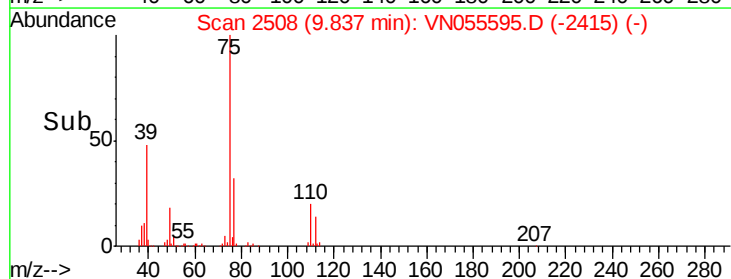
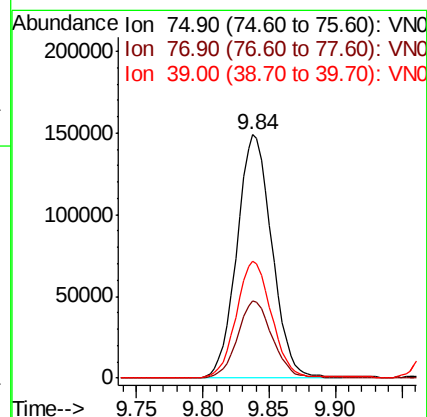
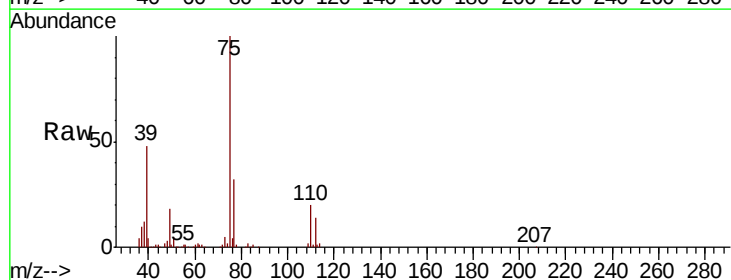
Tgt Ion: 75 Resp: 273354

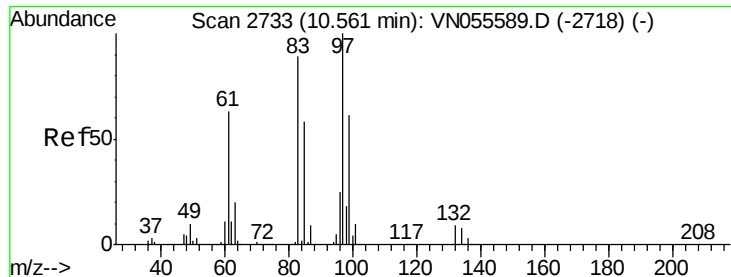
Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7

39 48.1 37.7 56.5

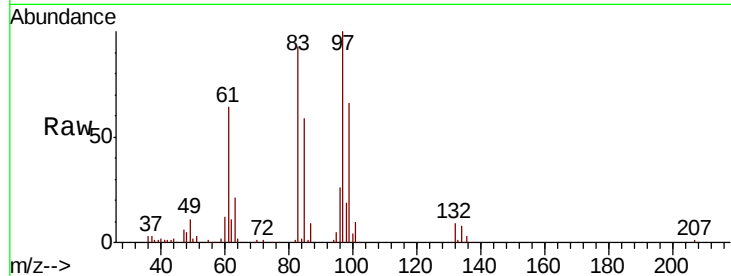




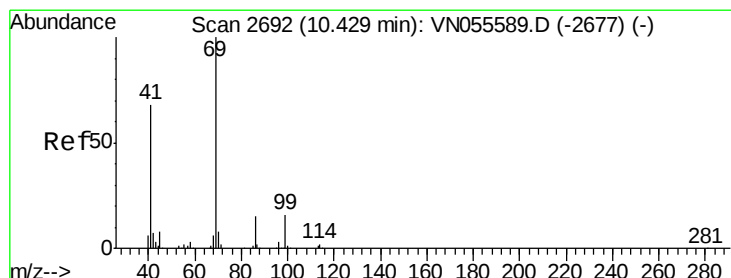
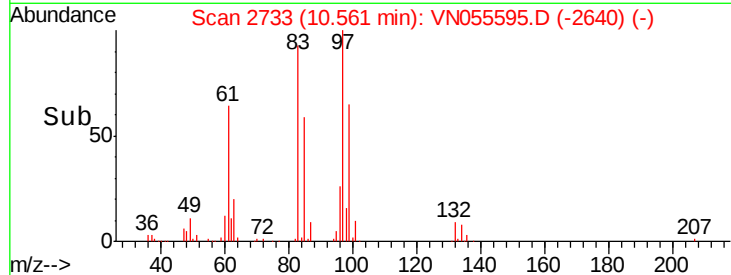
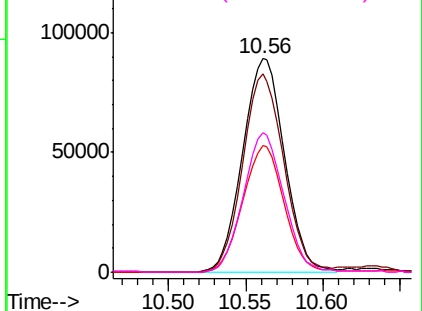
#55
 1,1,2-Trichloroethane
 Concen: 19.871 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0514WBS01

Tot Ion:	97	Resp:	168390
Ion	Ratio	Lower	Upper
97	100		
83	92.7	71.5	107.3
85	59.3	46.2	69.4
99	65.6	49.0	73.6

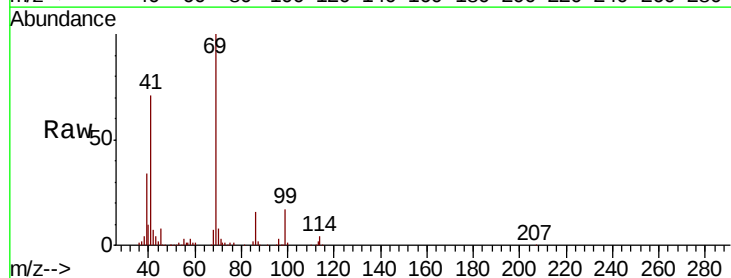


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

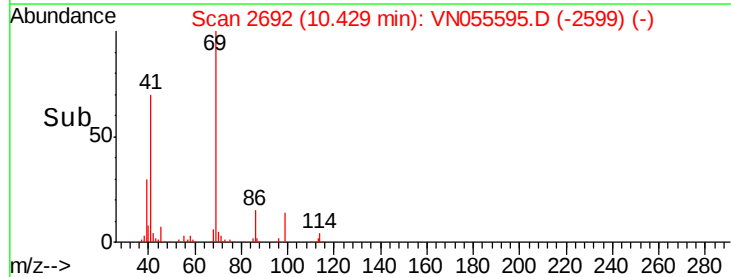
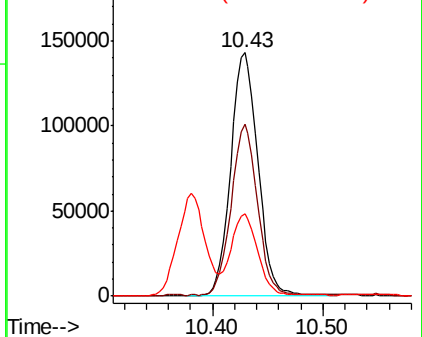


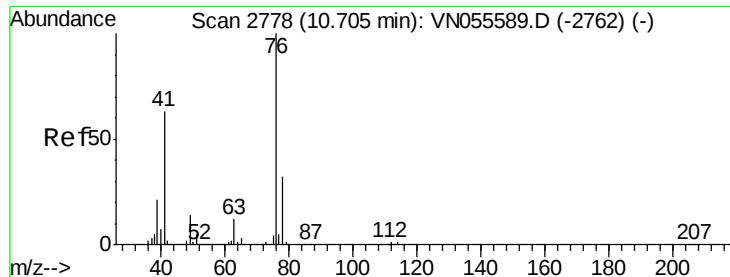
#56
 Ethyl methacrylate
 Concen: 20.849 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion:	69	Resp:	246211
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.6	82.0
39	32.7	25.5	38.3



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





#57

1,3-Dichloropropane

Concen: 20.621 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

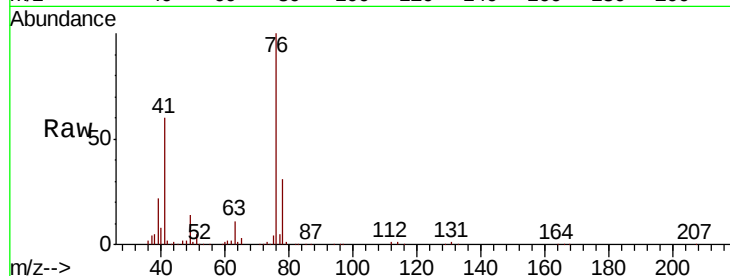
VN0514WBS01

Tot Ion: 76 Resp: 302087

Ion Ratio Lower Upper

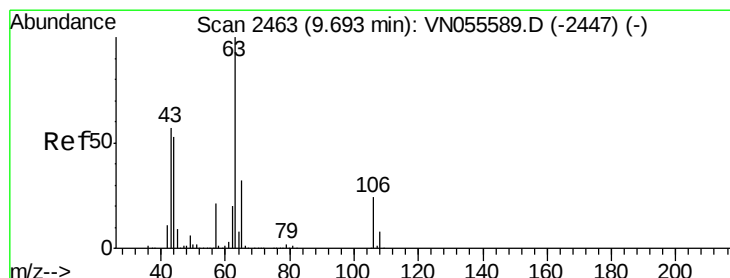
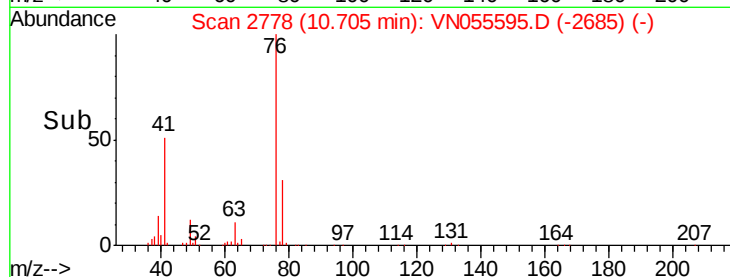
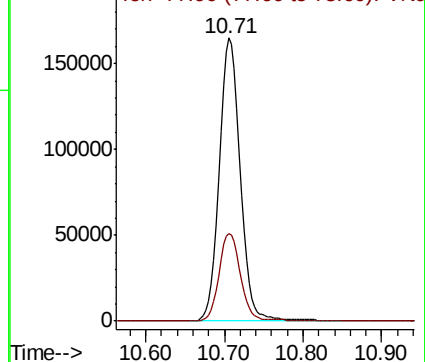
76 100

78 31.6 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 88.460 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055595.D

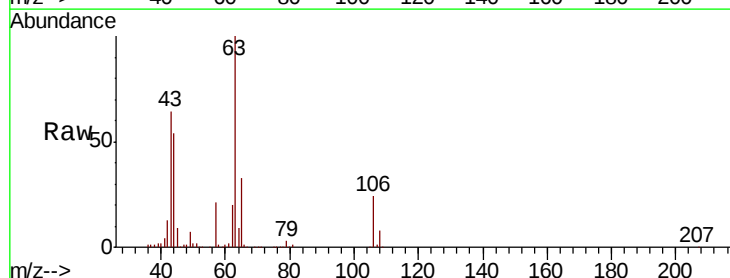
Acq: 14 May 2019 15:51

Tgt Ion: 63 Resp: 291658

Ion Ratio Lower Upper

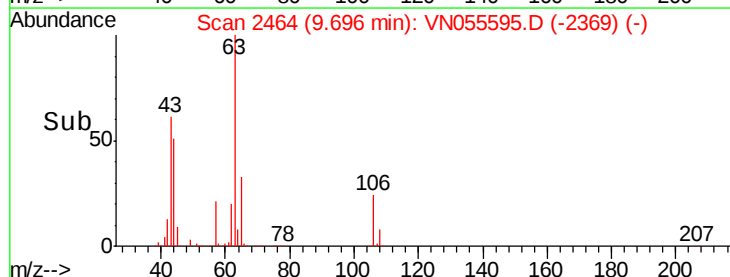
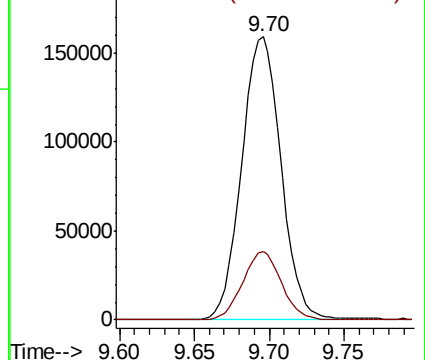
63 100

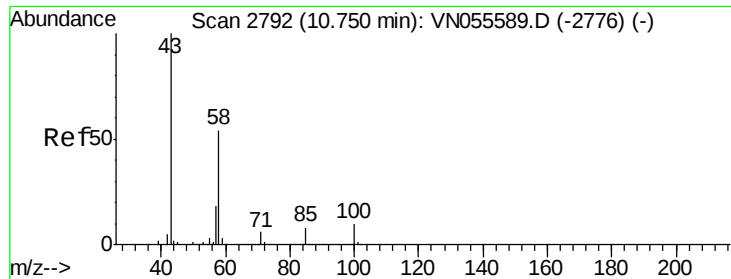
106 23.8 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

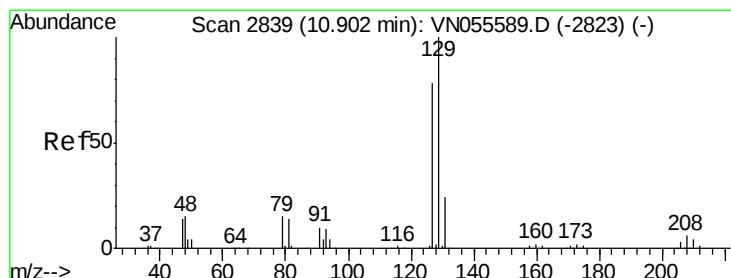
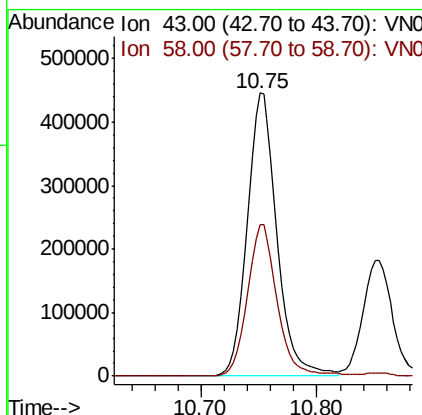
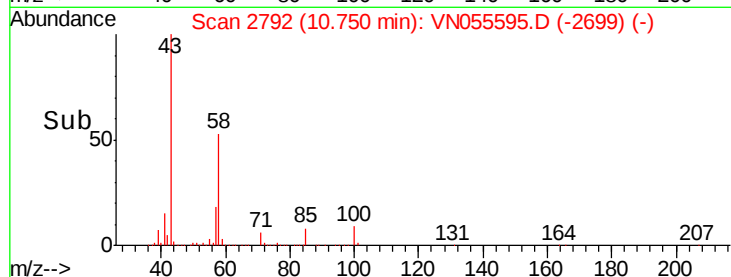
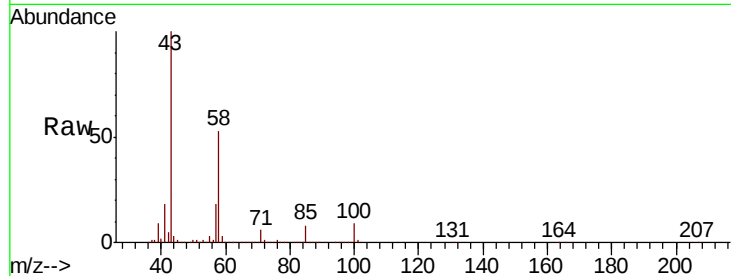




#59
2-Hexanone
Concen: 102.724 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

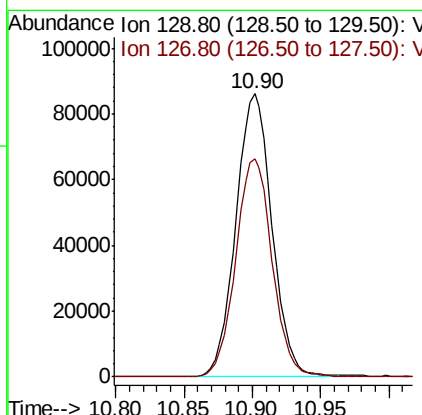
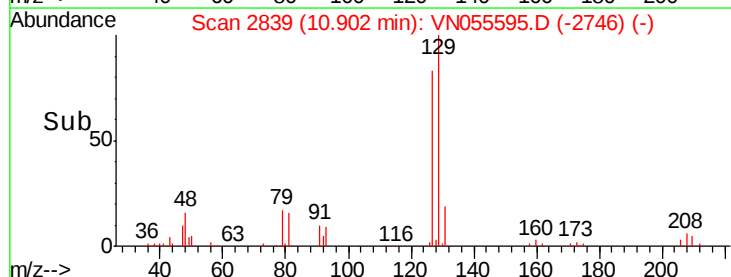
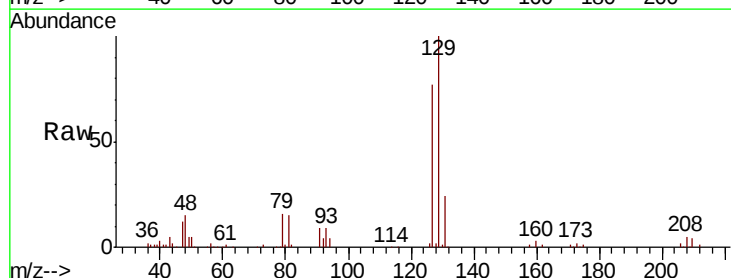
Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

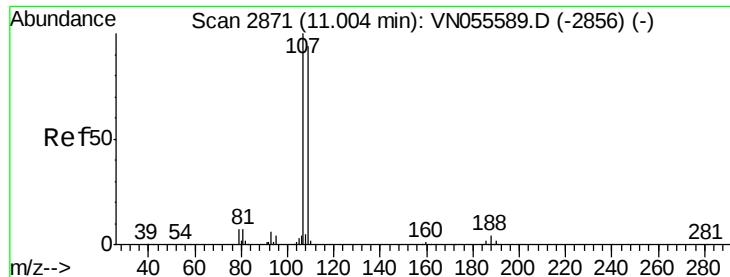
Tot Ion: 43 Resp: 792641
Ion Ratio Lower Upper
43 100
58 54.0 27.0 80.8



#60
Dibromochloromethane
Concen: 20.546 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 129 Resp: 158377
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.468 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

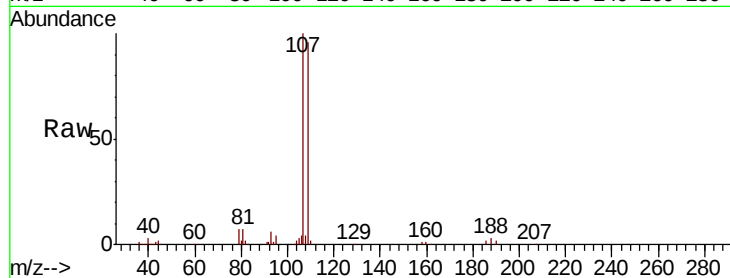
VN0514WBS01

Tot Ion:107 Resp: 163877

Ion Ratio Lower Upper

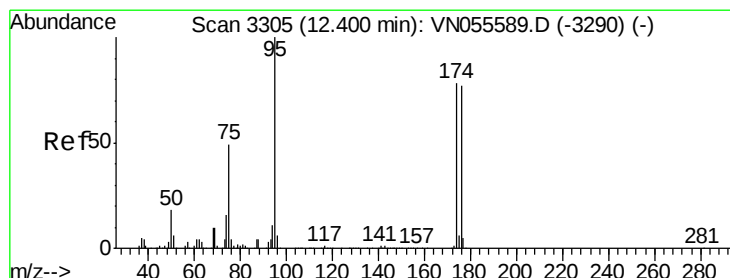
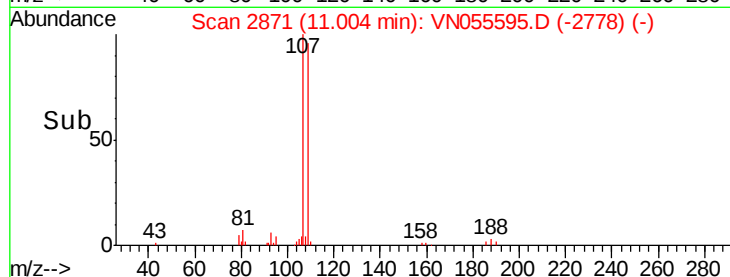
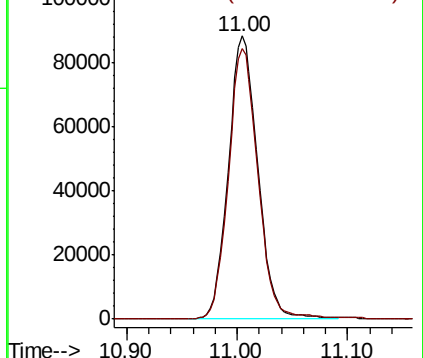
107 100

109 95.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.160 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

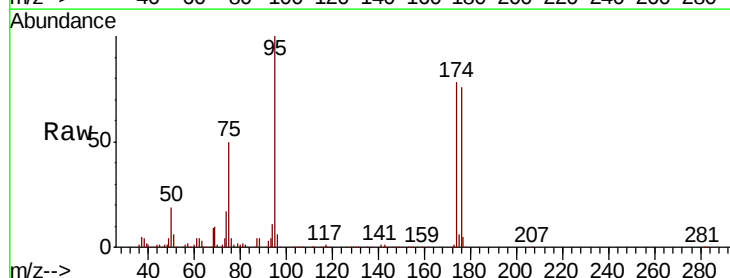
Tgt Ion: 95 Resp: 497237

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.4

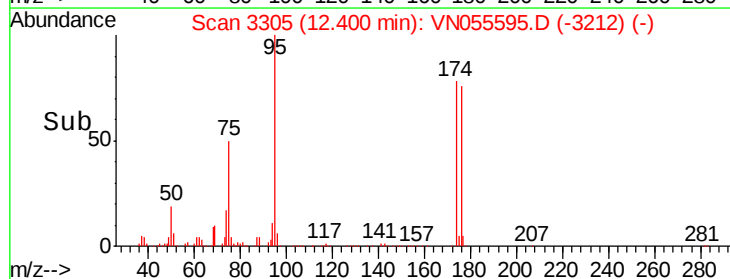
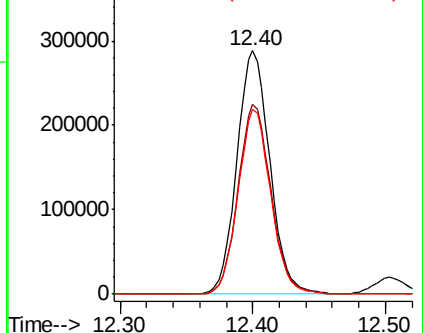
176 75.3 0.0 153.4

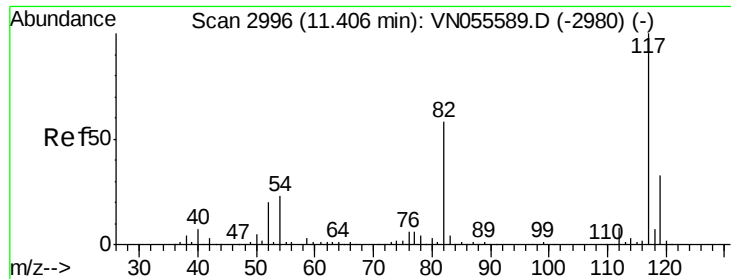


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

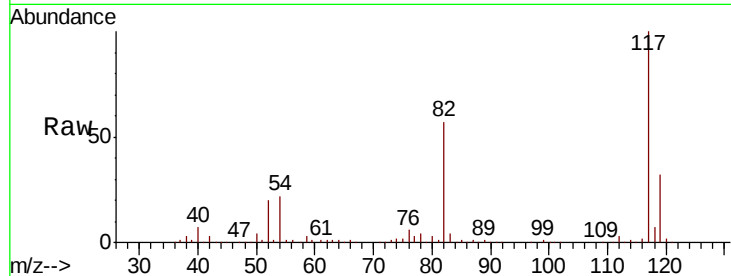




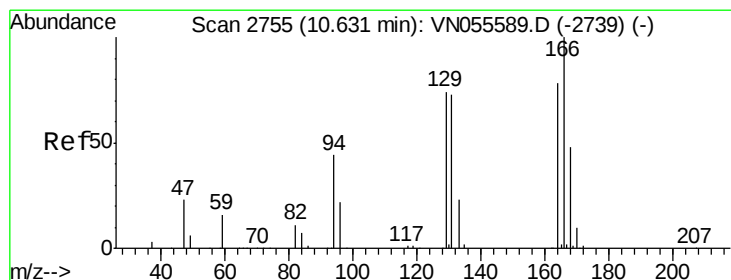
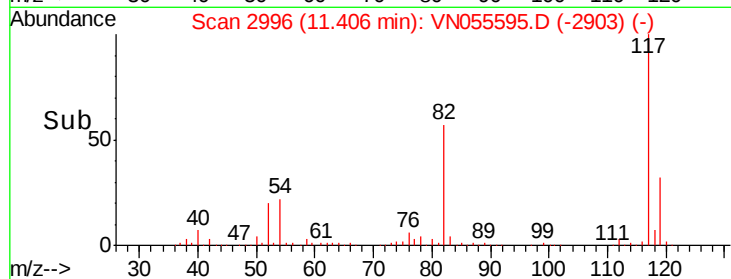
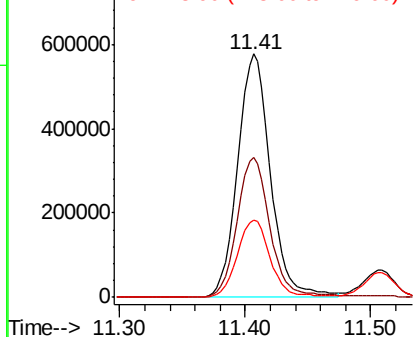
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion:117 Resp: 1050333
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 31.9 26.0 39.0

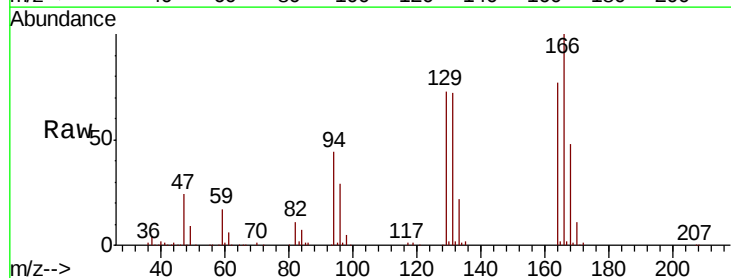


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

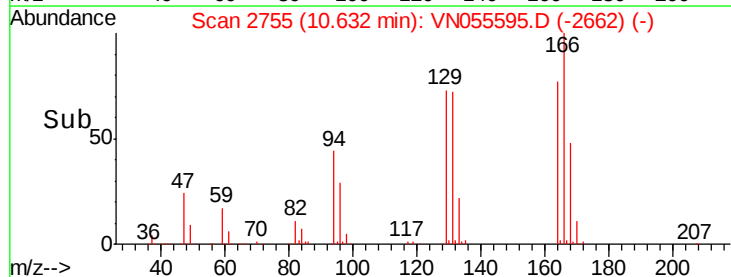
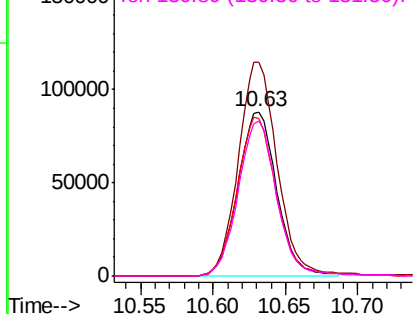


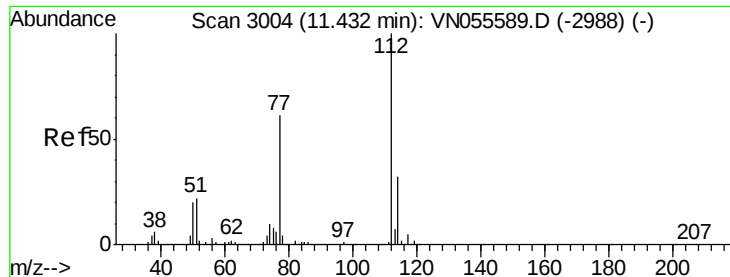
#64
Tetrachloroethene
Concen: 19.502 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion:164 Resp: 163618
Ion Ratio Lower Upper
164 100
166 130.1 102.1 153.1
129 95.6 75.8 113.8
131 94.2 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.334 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

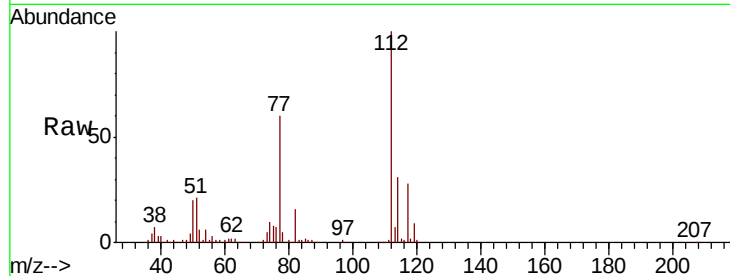
VN0514WBS01

Tot Ion:112 Resp: 443192

Ion Ratio Lower Upper

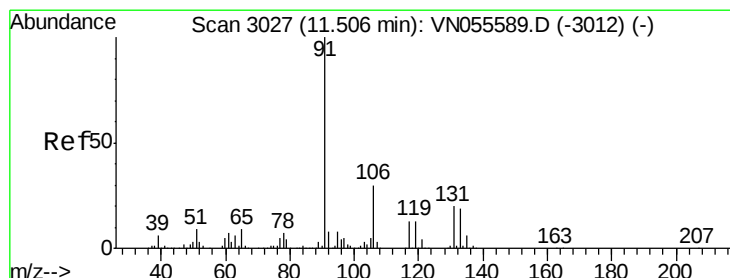
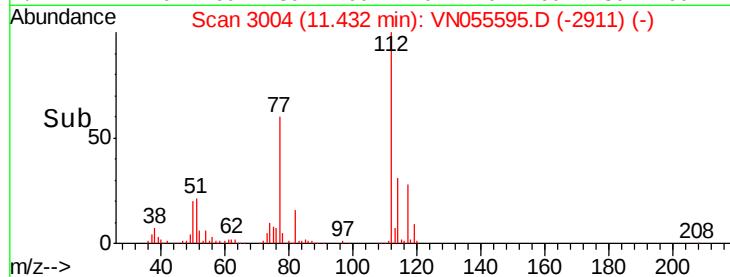
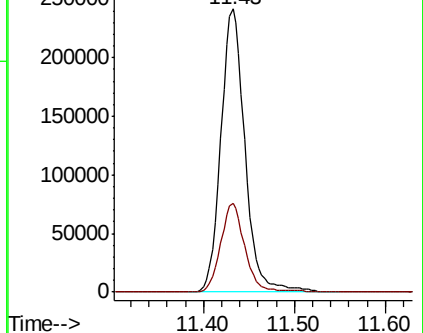
112 100

114 31.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.499 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

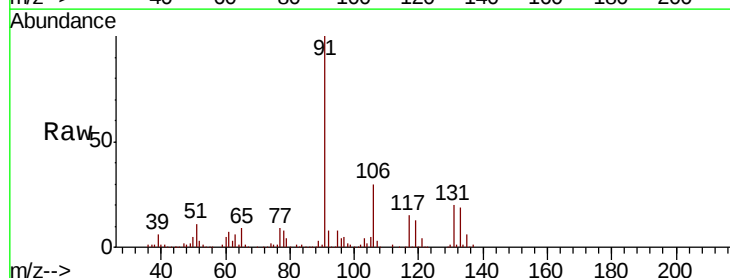
Tgt Ion:131 Resp: 153158

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

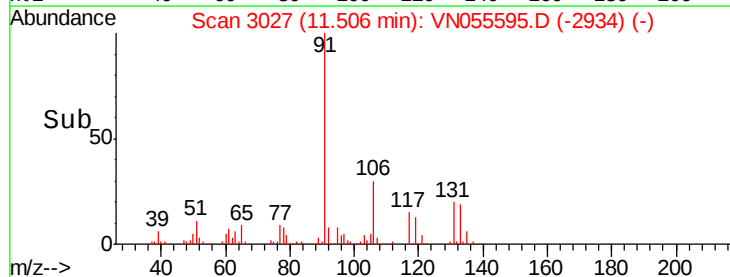
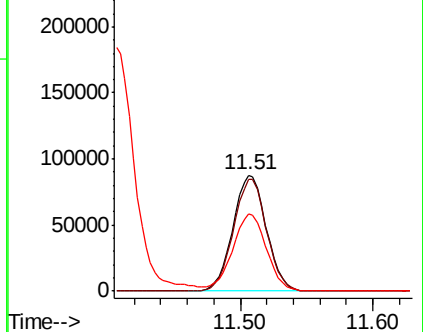
119 67.8 34.2 102.5

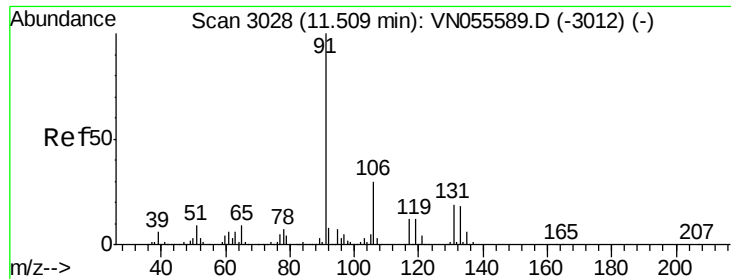


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

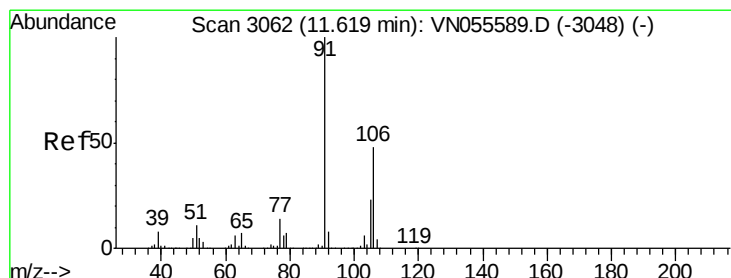
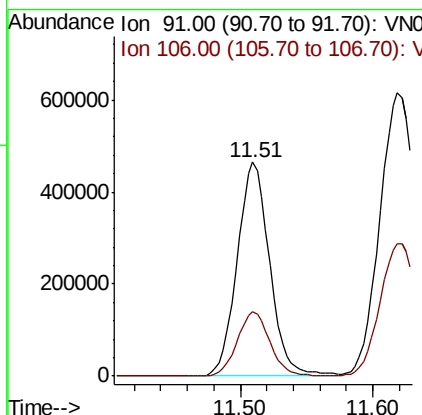
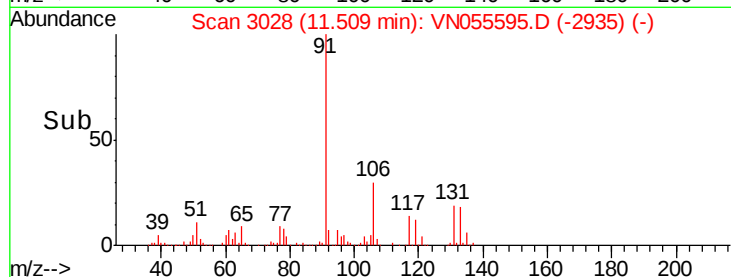
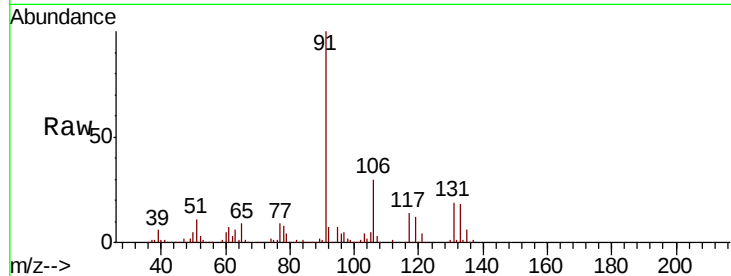




#67
Ethyl Benzene
Concen: 20.289 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

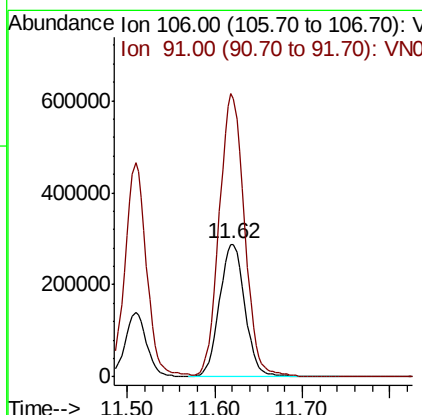
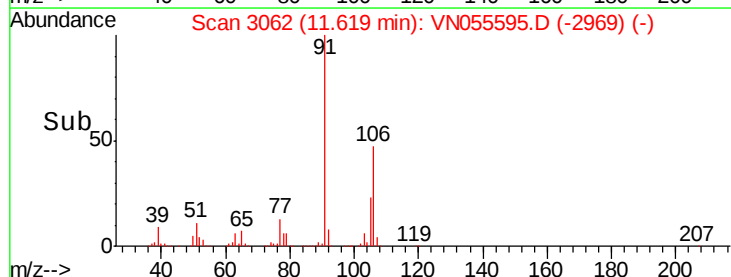
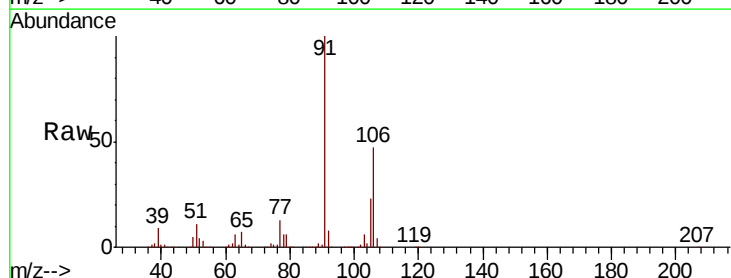
Instrument :
MSVOA_N
ClientSampled :
VN0514WBS01

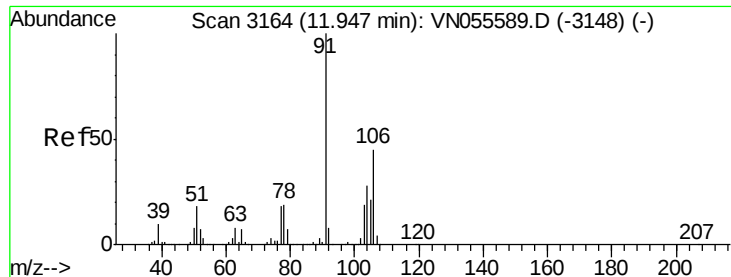
Tot Ion: 91 Resp: 793142
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



#68
m/p-Xylenes
Concen: 40.998 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 106 Resp: 585805
Ion Ratio Lower Upper
106 100
91 211.3 167.5 251.3

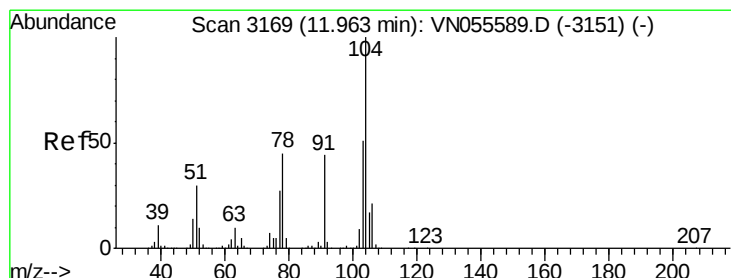
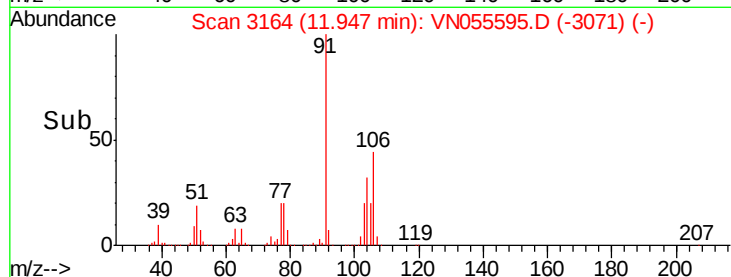
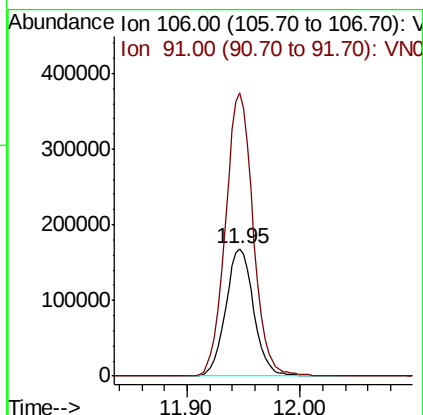
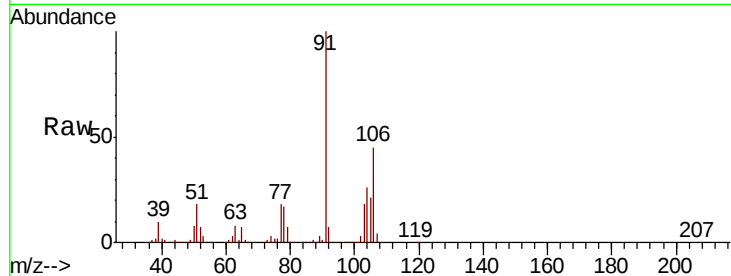




#69
o-Xylene
Concen: 20.797 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

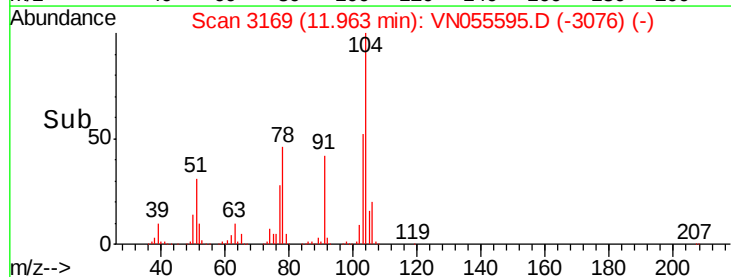
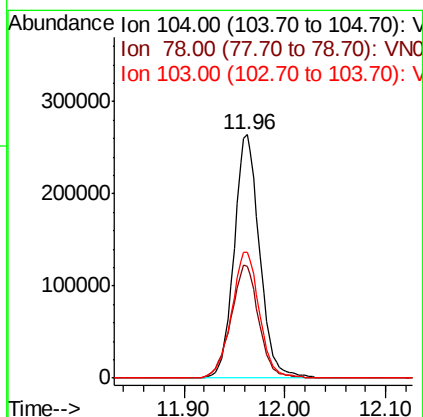
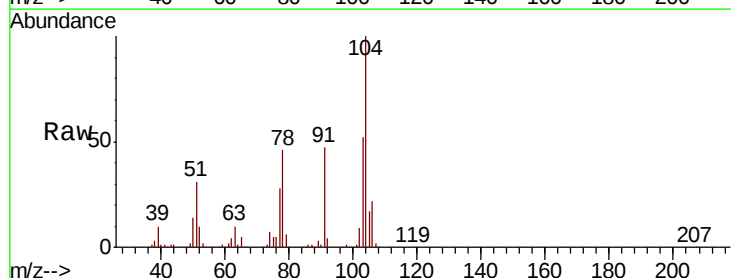
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

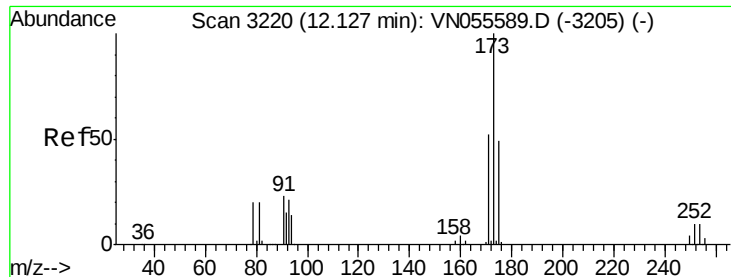
Tot Ion:106 Resp: 289189
Ion Ratio Lower Upper
106 100
91 220.3 110.2 330.6



#70
Styrene
Concen: 20.992 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion:104 Resp: 464199
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 56.5 44.6 67.0

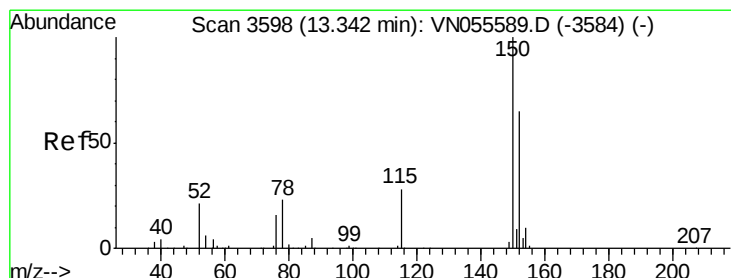
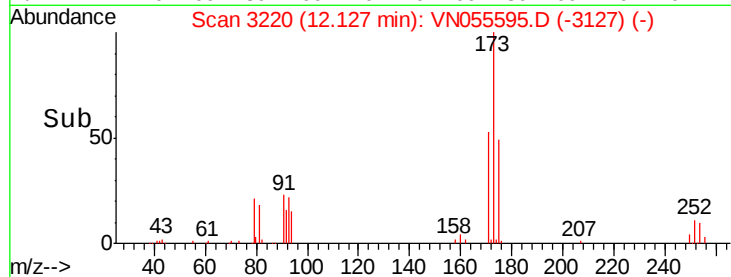
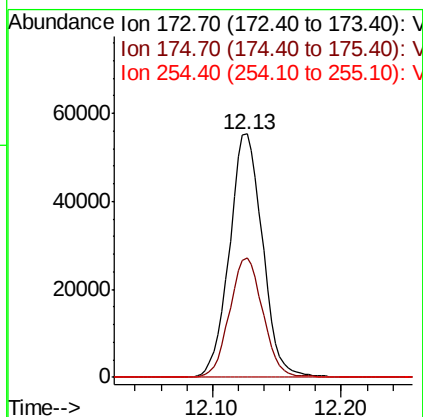
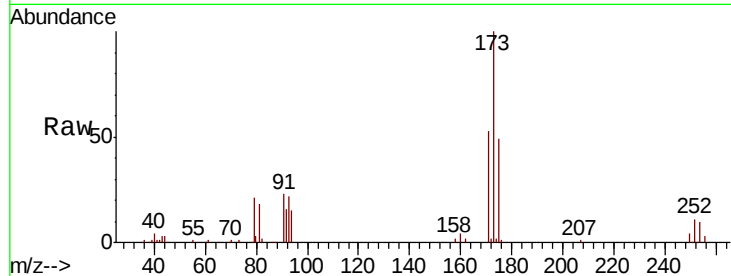




#71
Bromoform
Concen: 20.253 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

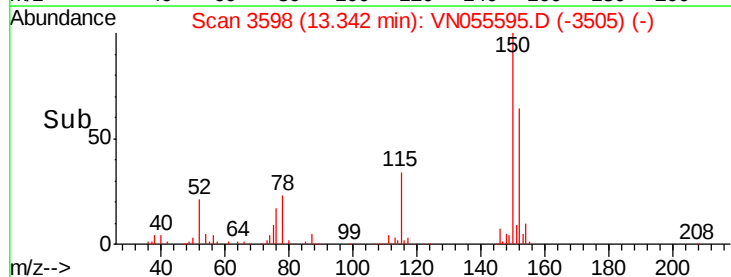
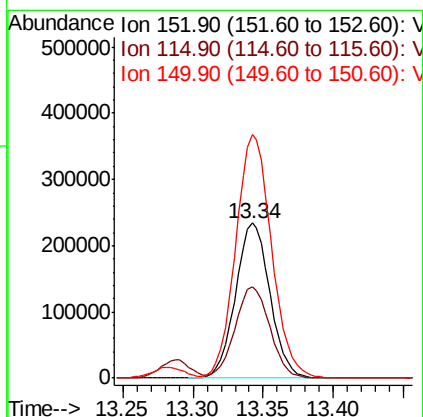
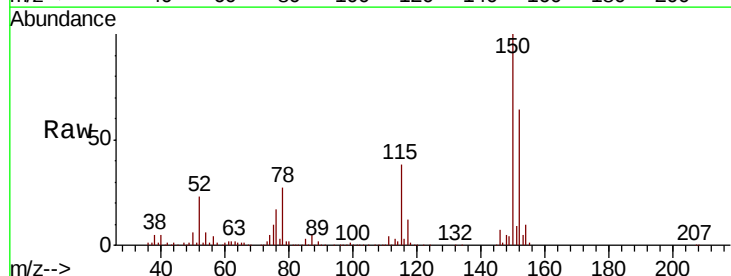
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

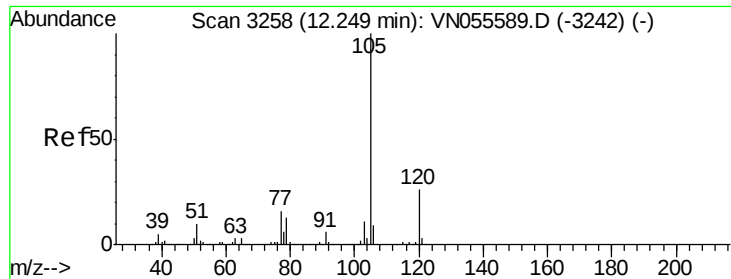
Tot Ion:173 Resp: 98635
Ion Ratio Lower Upper
173 100
175 49.4 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion:152 Resp: 399913
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.4
150 163.3 0.0 346.6





#73

Isopropylbenzene

Concen: 19.470 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

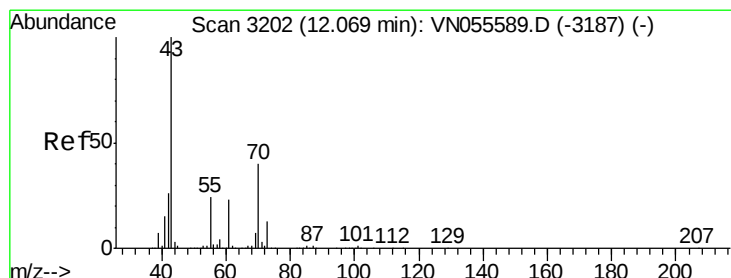
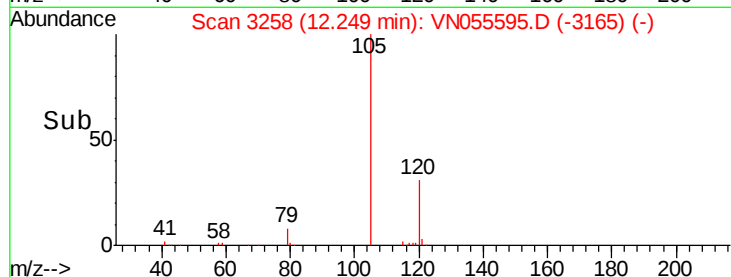
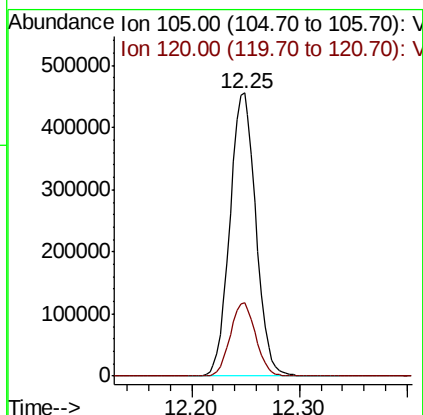
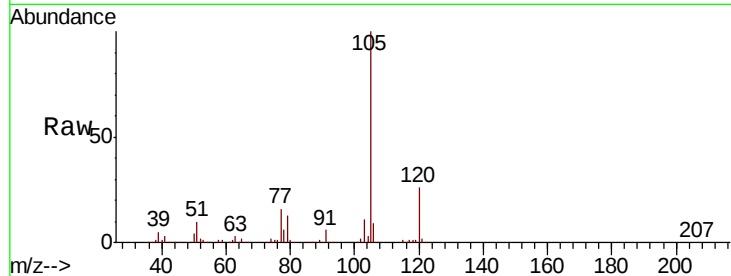
VN0514WBS01

Tot Ion:105 Resp: 760940

Ion Ratio Lower Upper

105 100

120 25.5 13.0 39.0



#74

N-ethyl acetate

Concen: 20.181 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Tgt Ion: 43 Resp: 278343

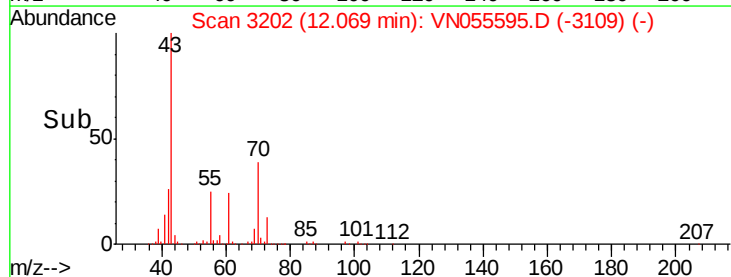
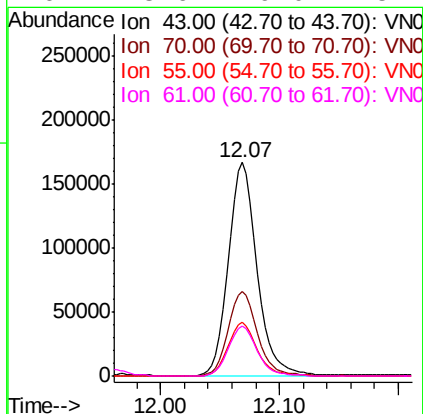
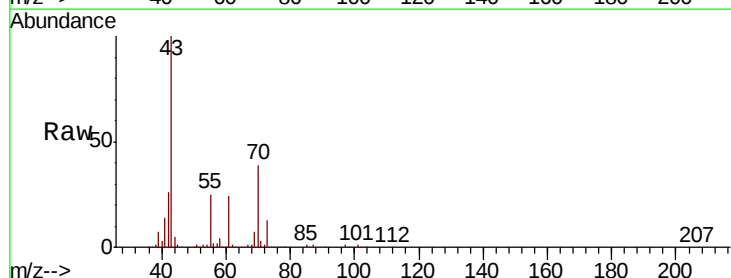
Ion Ratio Lower Upper

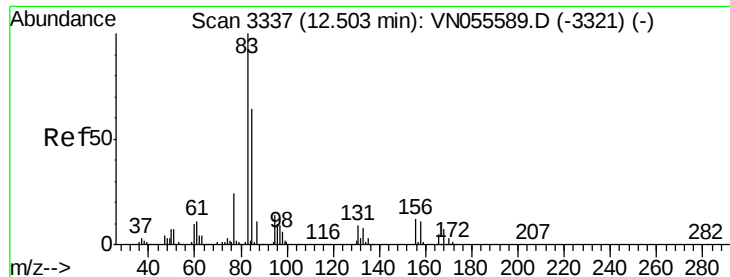
43 100

70 40.5 31.8 47.6

55 25.7 19.7 29.5

61 23.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.955 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

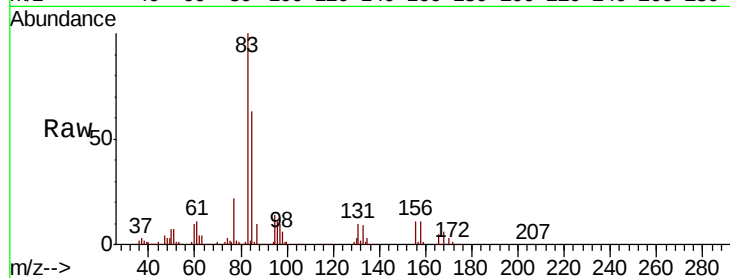
Tot Ion: 83 Resp: 237443

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

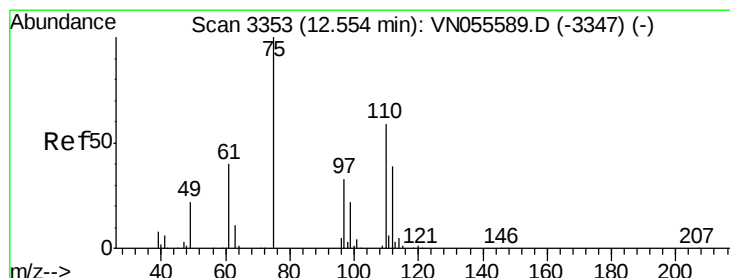
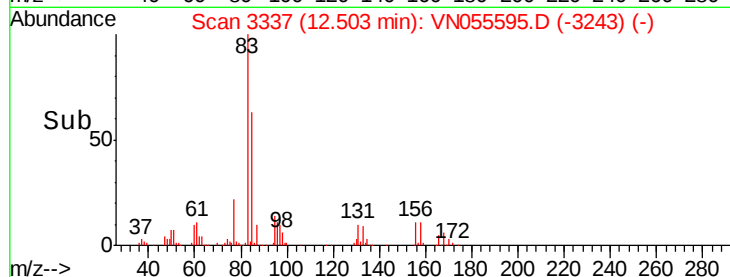
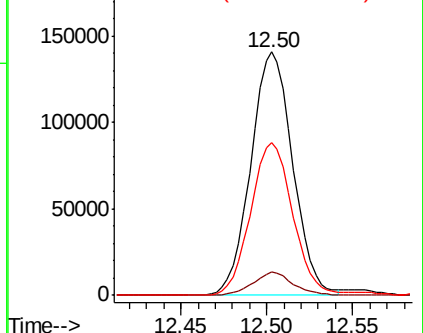
85 62.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN055595.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055595.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055595.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 27.716 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055595.D

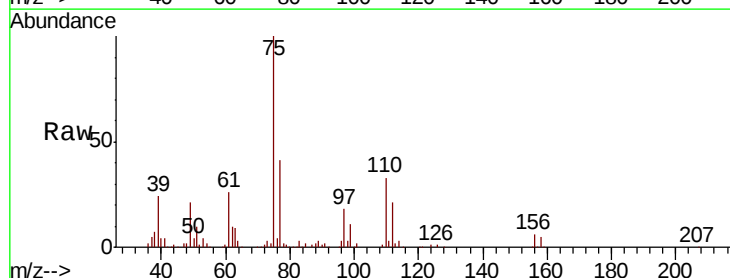
Acq: 14 May 2019 15:51

Tgt Ion: 75 Resp: 274242

Ion Ratio Lower Upper

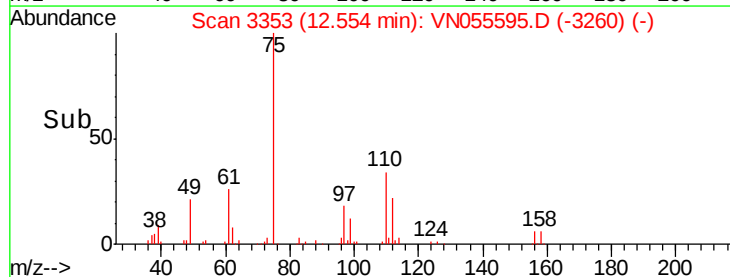
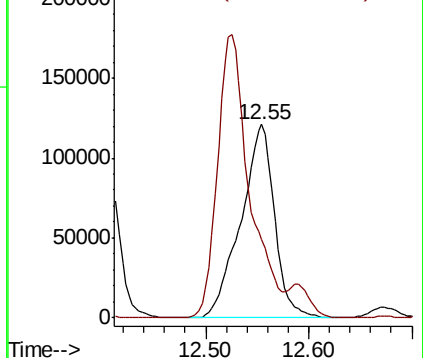
75 100

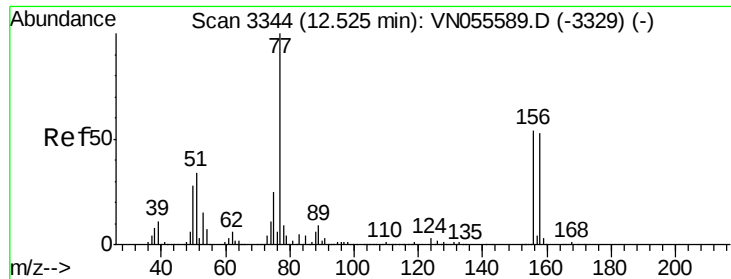
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055595.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055595.D (-3260) (-)





#77

Bromobenzene

Concen: 21.549 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

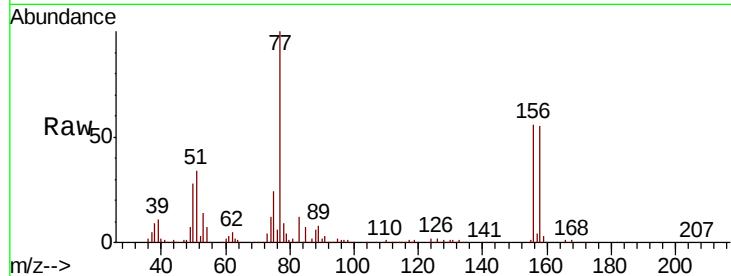
Tot Ion:156 Resp: 176274

Ion Ratio Lower Upper

156 100

77 217.6 108.9 326.7

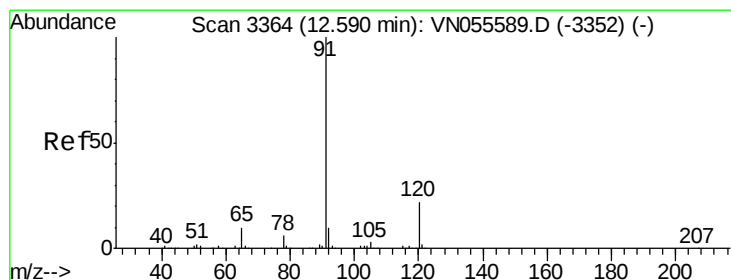
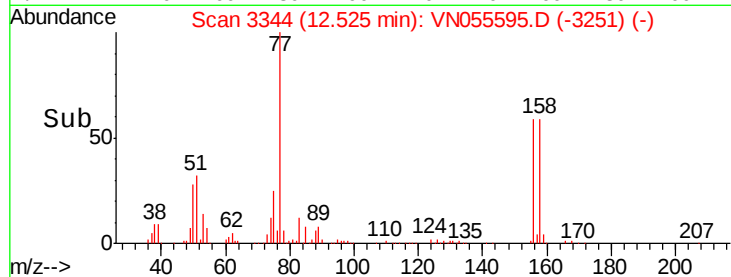
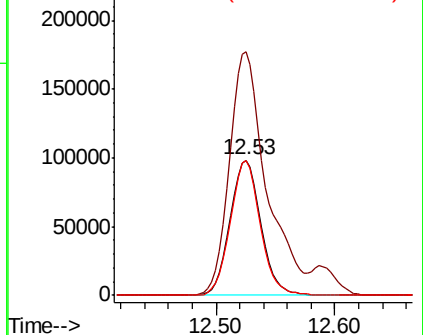
158 97.2 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.181 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055595.D

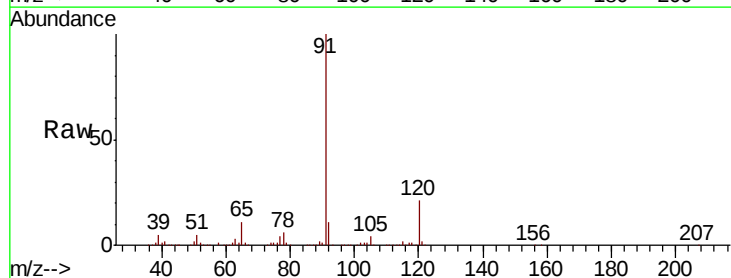
Acq: 14 May 2019 15:51

Tgt Ion: 91 Resp: 840935

Ion Ratio Lower Upper

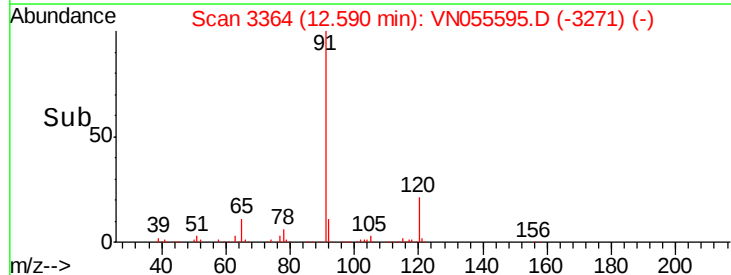
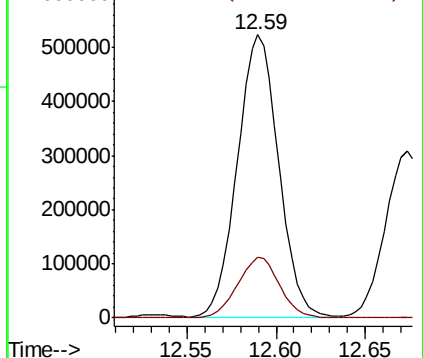
91 100

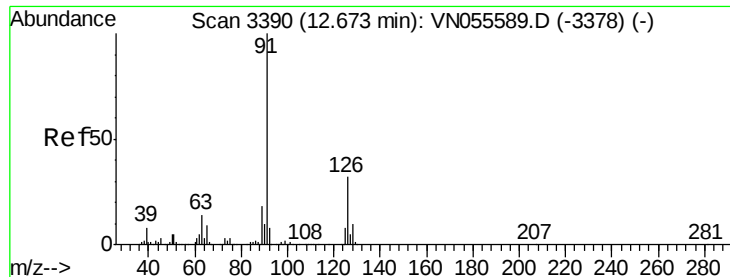
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

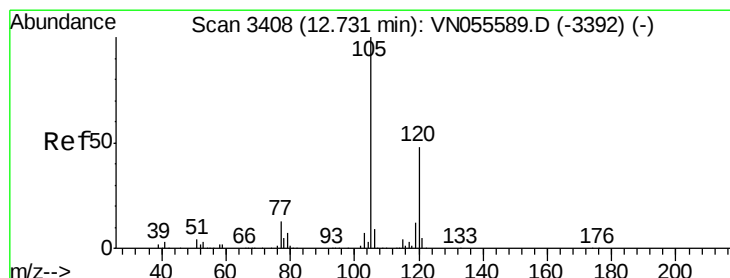
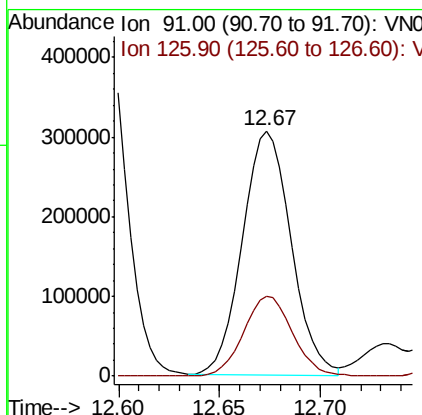
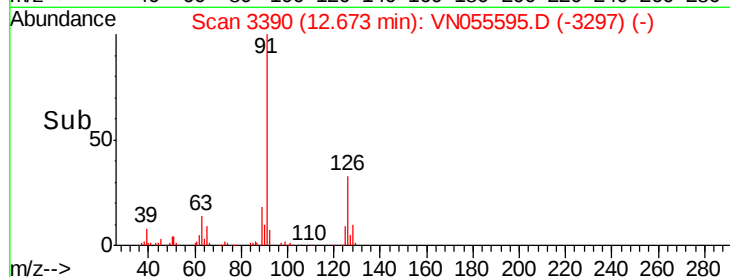
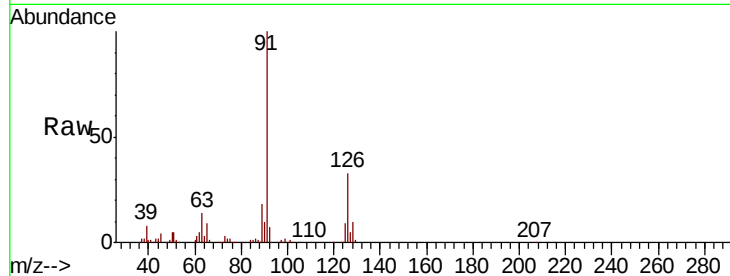




#79
 2-Chlorotoluene
 Concen: 19.605 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

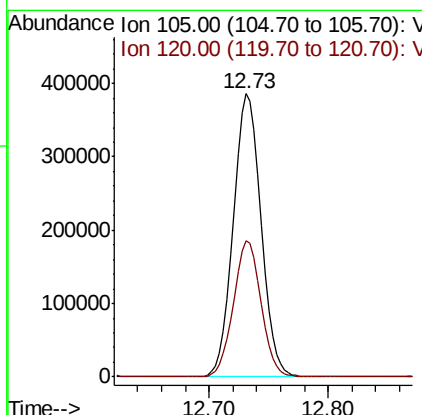
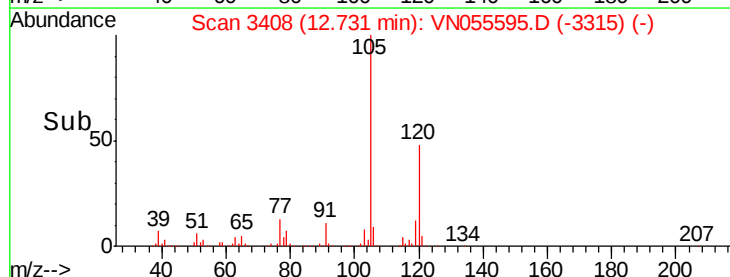
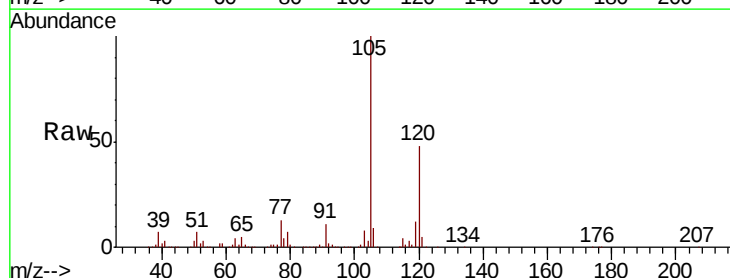
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

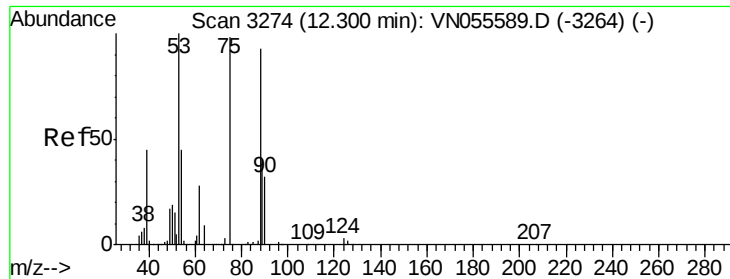
Tot Ion: 91 Resp: 519648
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.139 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion: 105 Resp: 622143
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.373 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

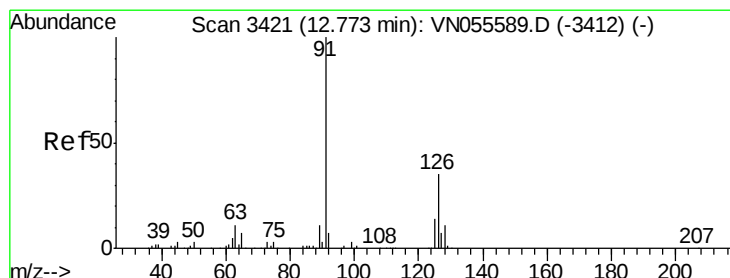
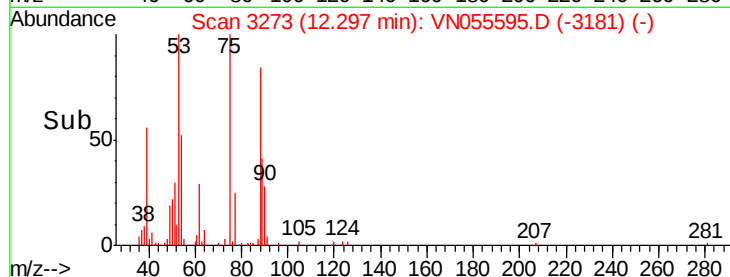
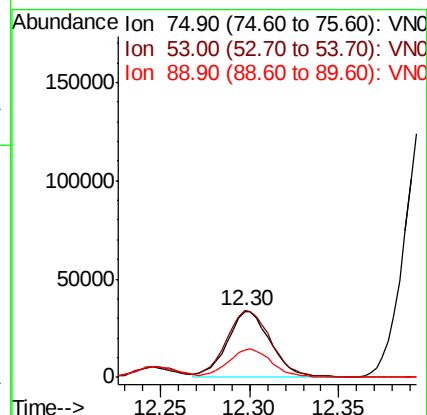
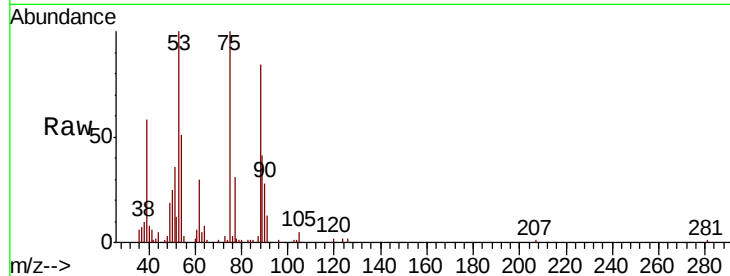
Tot Ion: 75 Resp: 56674

Ion Ratio Lower Upper

75 100

53 104.4 83.9 125.9

89 43.2 34.7 52.1



#82

4-Chlorotoluene

Concen: 20.105 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055595.D

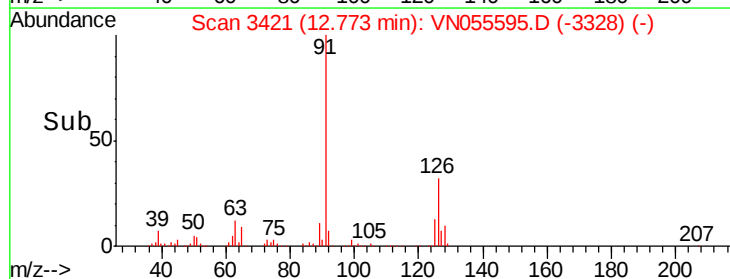
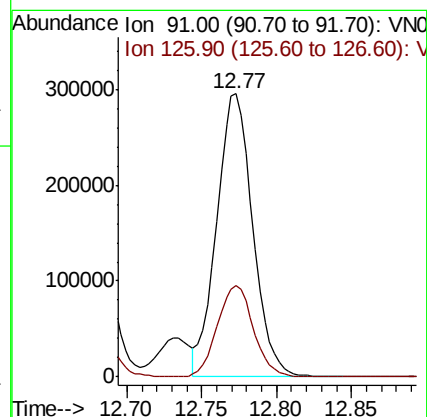
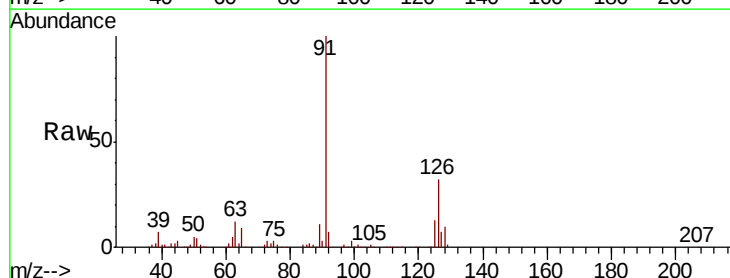
Acq: 14 May 2019 15:51

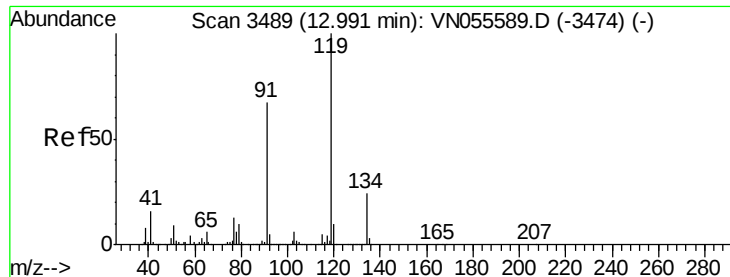
Tgt Ion: 91 Resp: 495029

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6

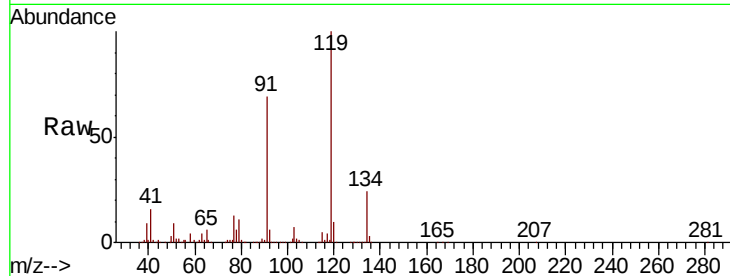




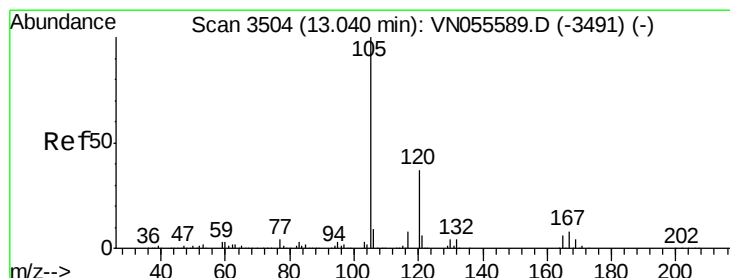
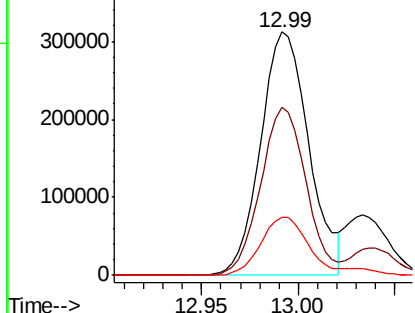
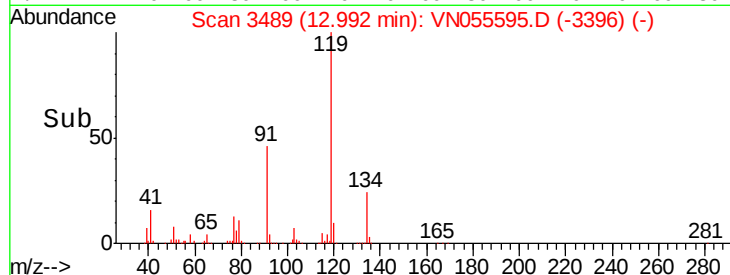
#83
tert-Butylbenzene
Concen: 20.222 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Tot Ion:119 Resp: 542273
Ion Ratio Lower Upper
119 100
91 64.9 33.5 100.4
134 23.2 12.7 38.1

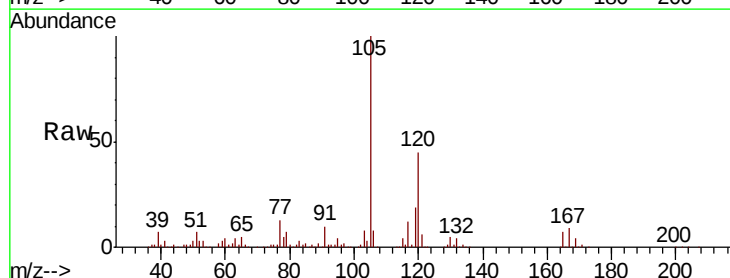


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

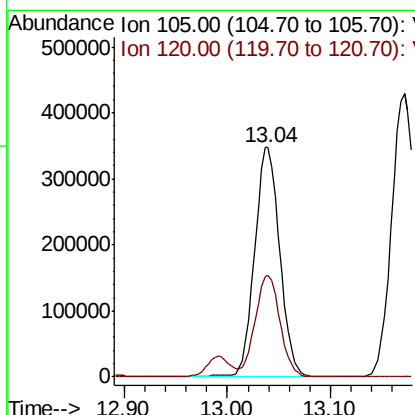
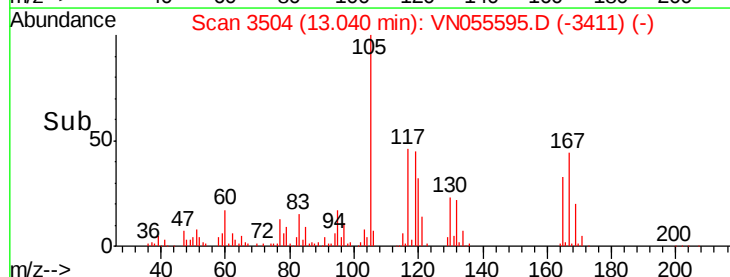


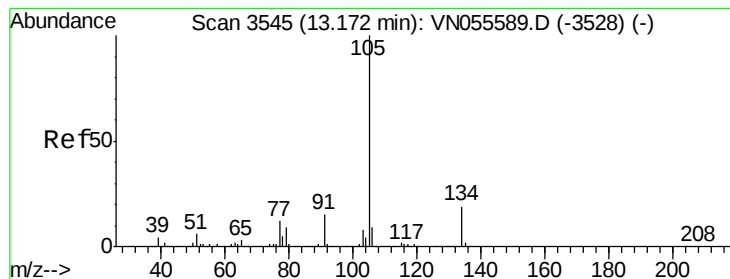
#84
1,2,4-Trimethylbenzene
Concen: 20.512 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion:105 Resp: 585204
Ion Ratio Lower Upper
105 100
120 43.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.945 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

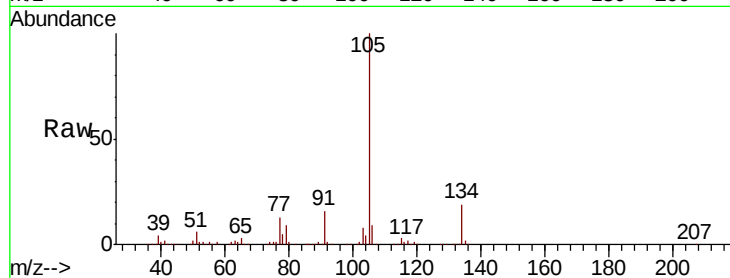
VN0514WBS01

Tot Ion:105 Resp: 688824

Ion Ratio Lower Upper

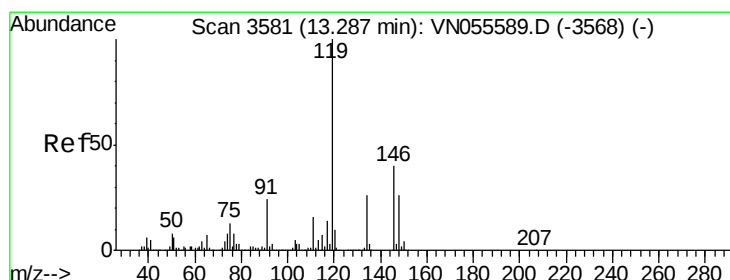
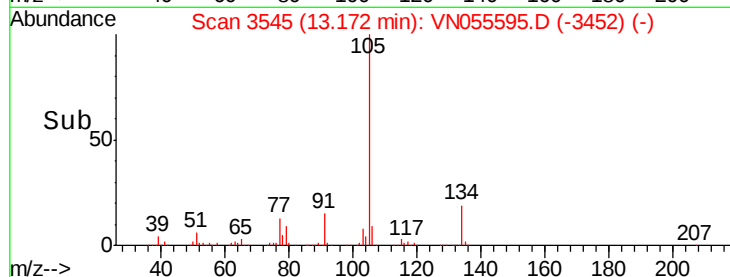
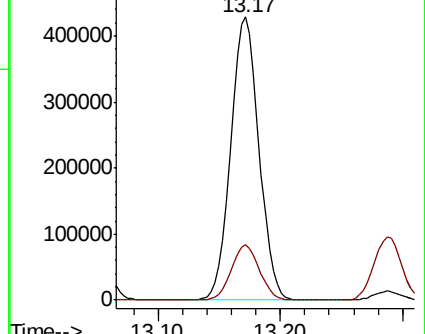
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.316 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

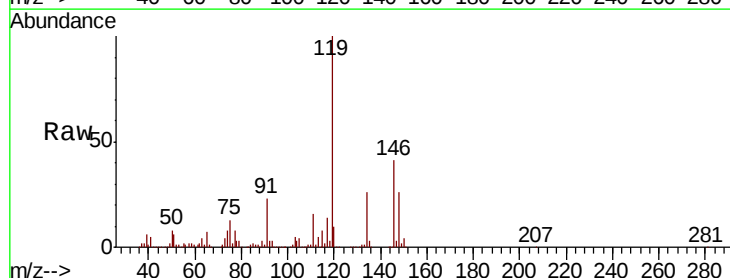
Tgt Ion:119 Resp: 568922

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

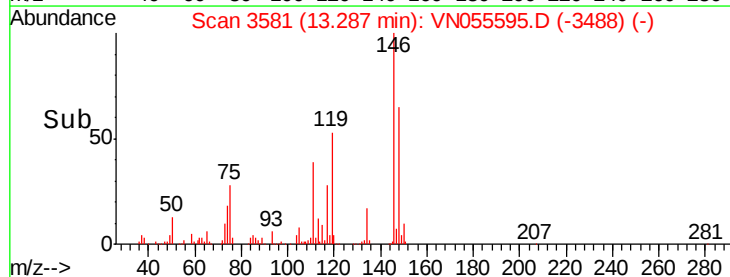
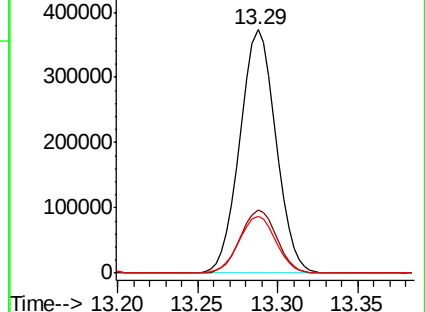
91 23.9 11.9 35.5

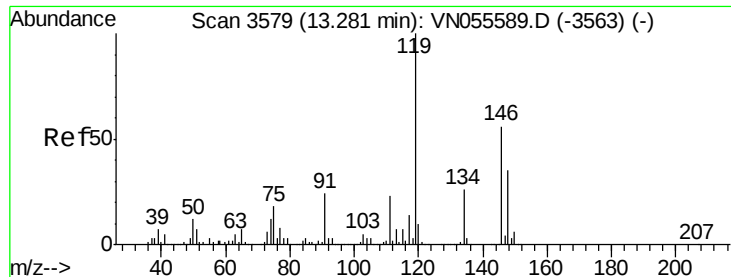


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

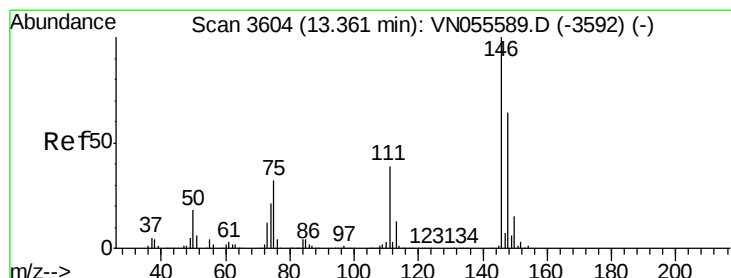
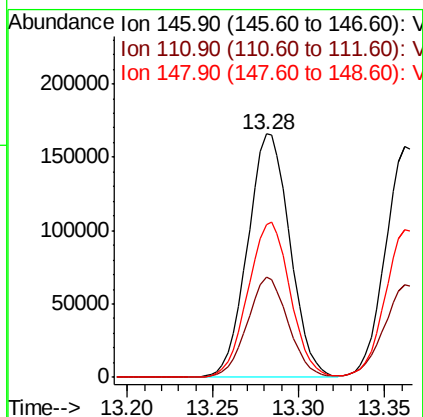
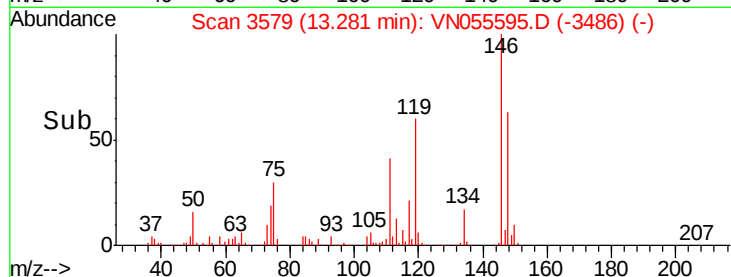
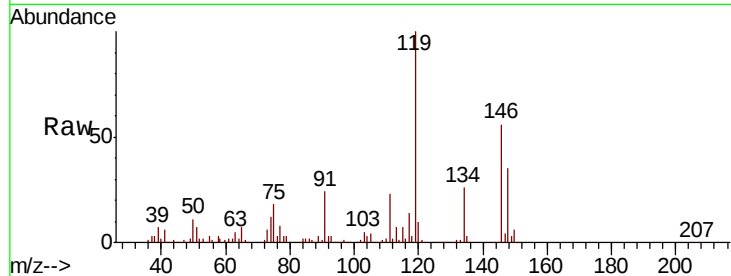




#87
 1,3-Dichlorobenzene
 Concen: 20.457 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

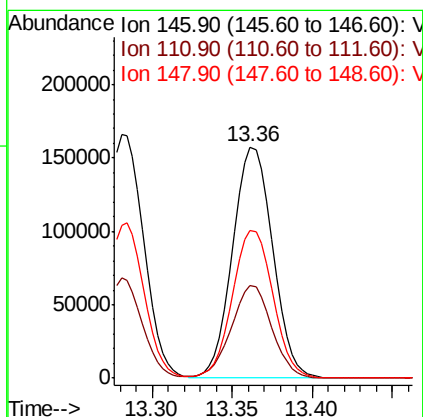
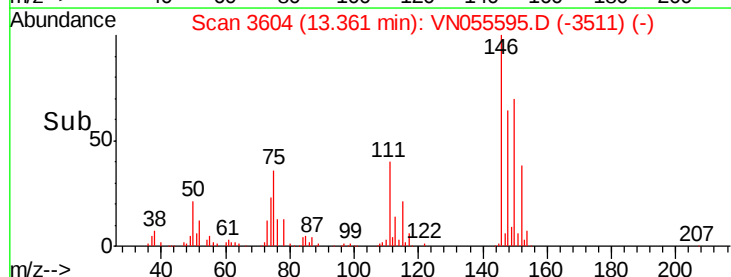
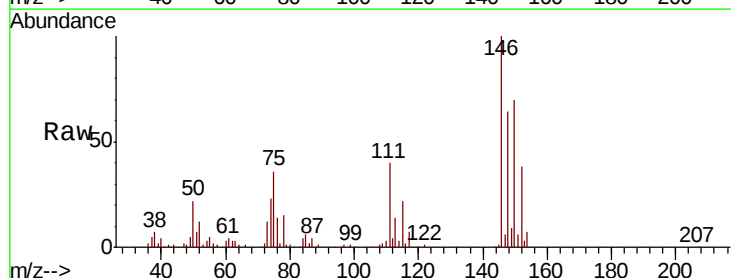
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

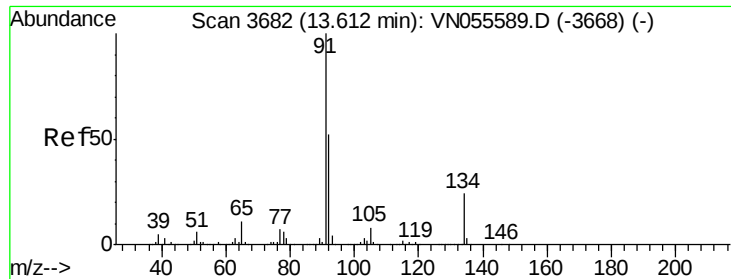
Tot Ion:146 Resp: 283132
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.5 61.5
 148 63.6 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 19.713 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion:146 Resp: 268437
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.7 59.0
 148 65.1 31.8 95.4

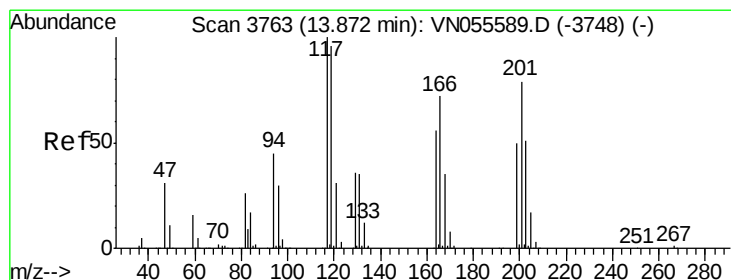
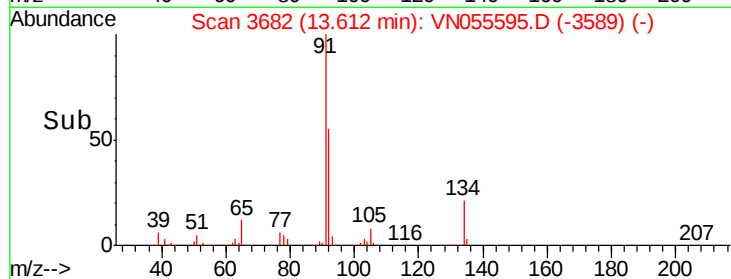
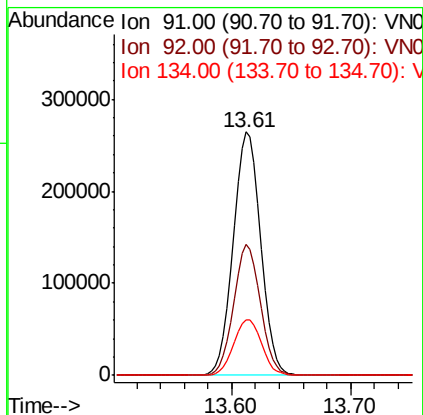
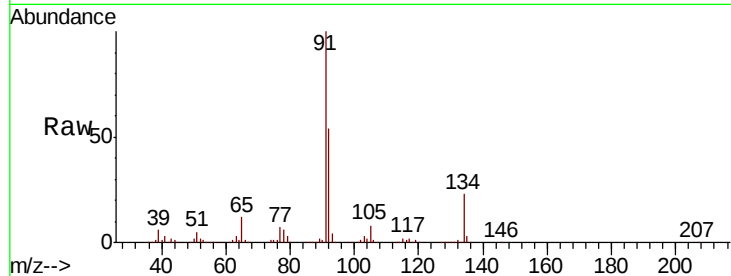




#89
n-Butylbenzene
Concen: 20.489 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

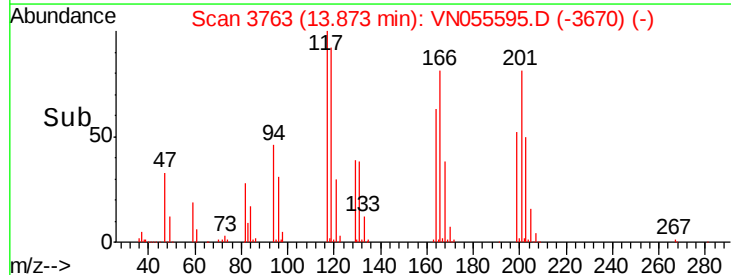
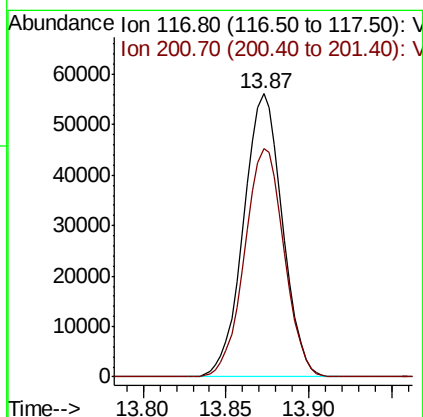
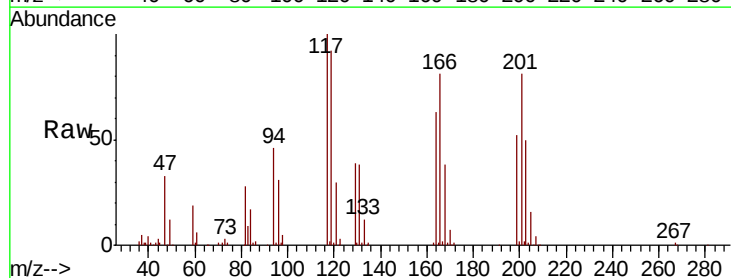
Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

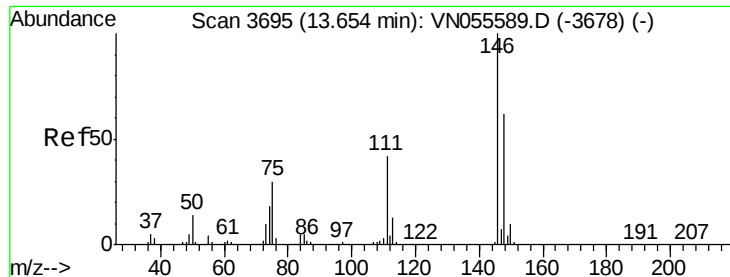
Tot Ion: 91 Resp: 423316
Ion Ratio Lower Upper
91 100
92 52.3 25.9 77.8
134 23.4 12.2 36.4



#90
Hexachloroethane
Concen: 20.537 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055595.D
Acq: 14 May 2019 15:51

Tgt Ion: 117 Resp: 91813
Ion Ratio Lower Upper
117 100
201 81.9 40.6 121.8





#91

1,2-Dichlorobenzene

Concen: 20.558 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

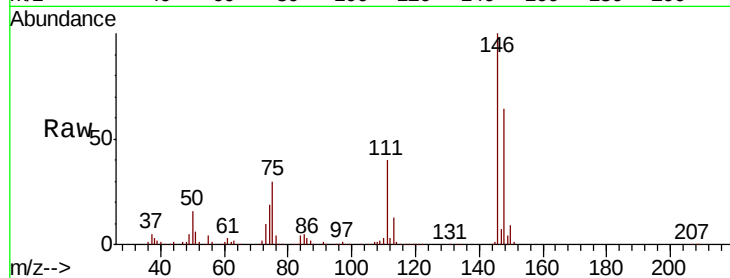
Tot Ion:146 Resp: 284349

Ion Ratio Lower Upper

146 100

111 40.5 21.0 63.0

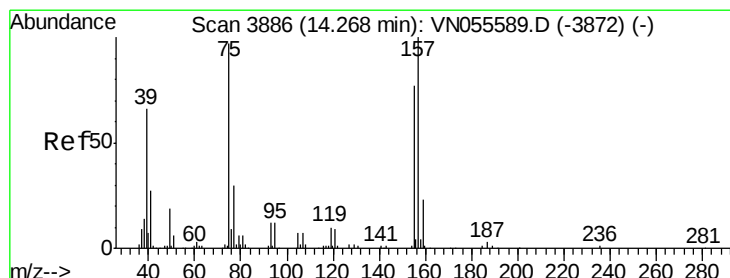
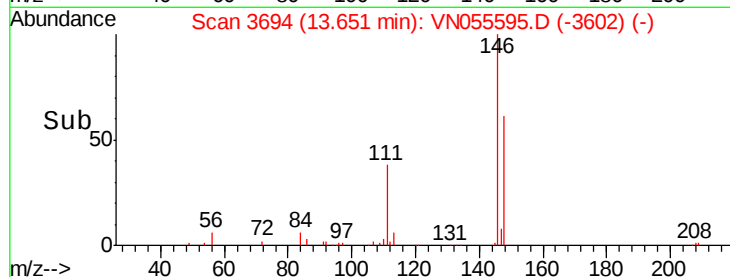
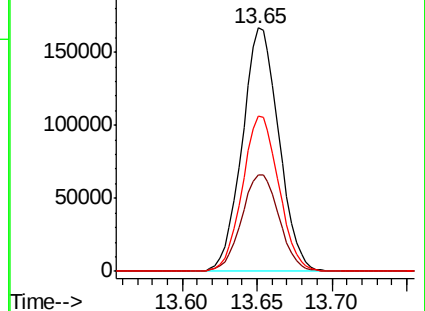
148 63.2 31.3 93.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.246 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

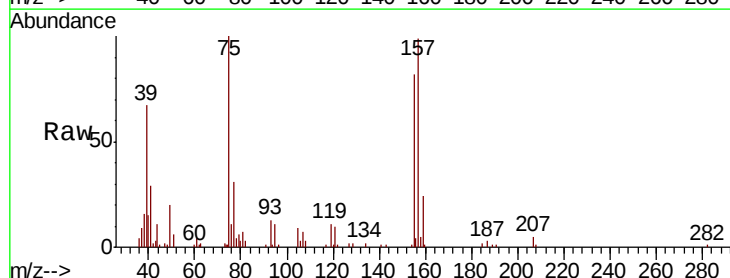
Tgt Ion: 75 Resp: 33791

Ion Ratio Lower Upper

75 100

155 81.5 40.4 121.1

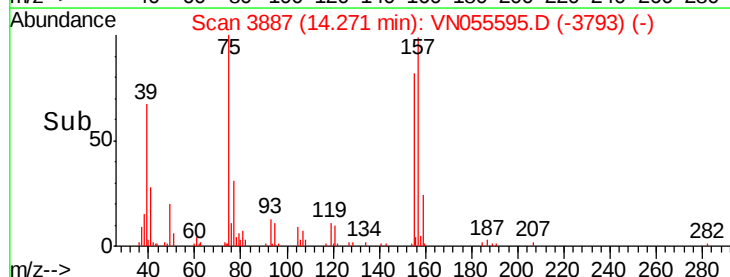
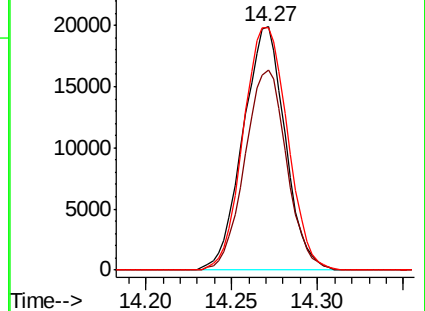
157 104.5 52.1 156.4

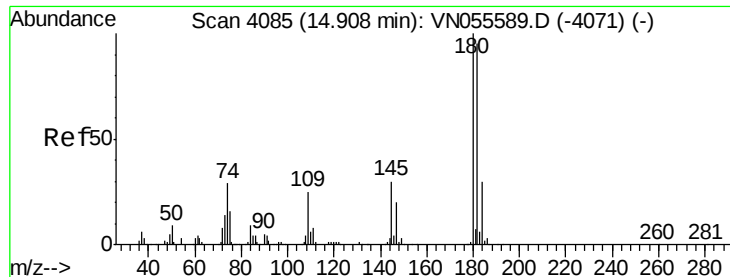


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

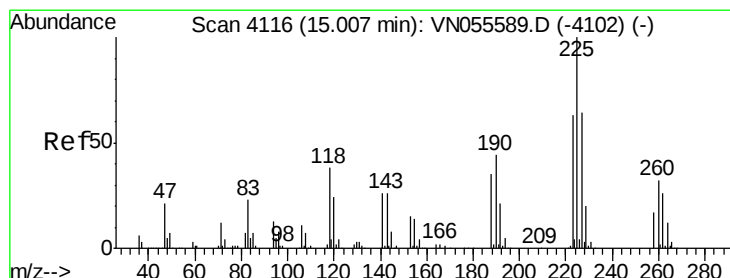
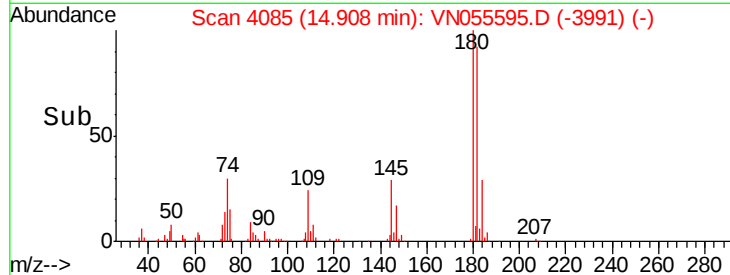
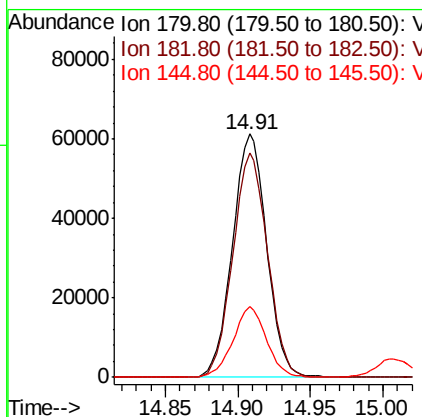
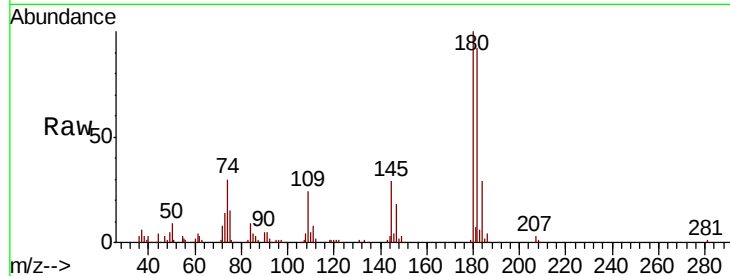




#93
 1,2,4-Trichlorobenzene
 Concen: 19.904 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

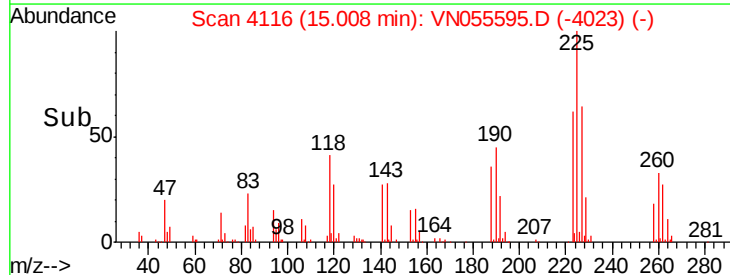
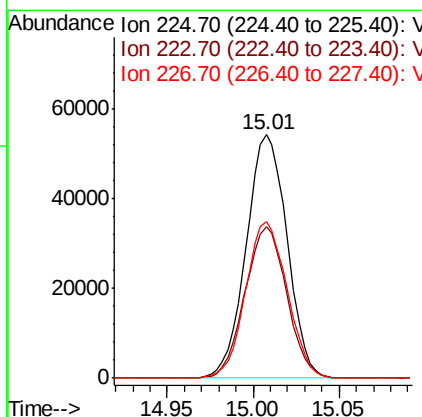
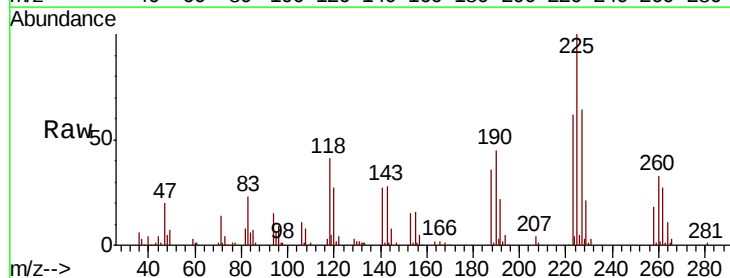
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

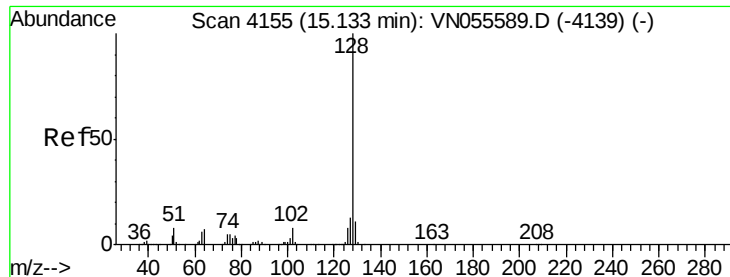
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.3
145	28.4	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 22.263 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055595.D
 Acq: 14 May 2019 15:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	95.0
227	65.4	32.4	97.0





#95

Naphthalene

Concen: 21.501 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

VN0514WBS01

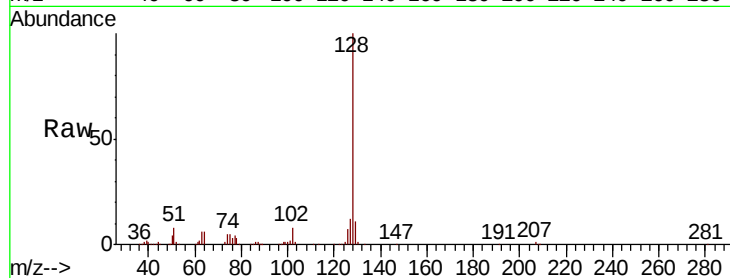
Tot Ion:128 Resp: 295267

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

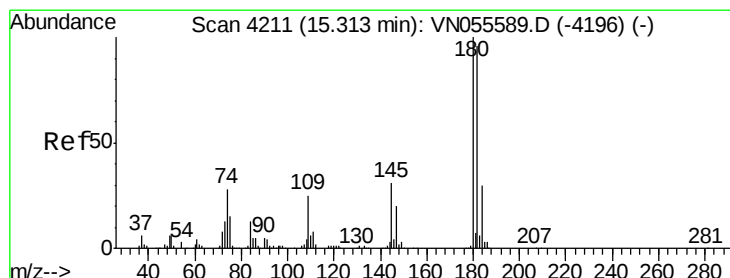
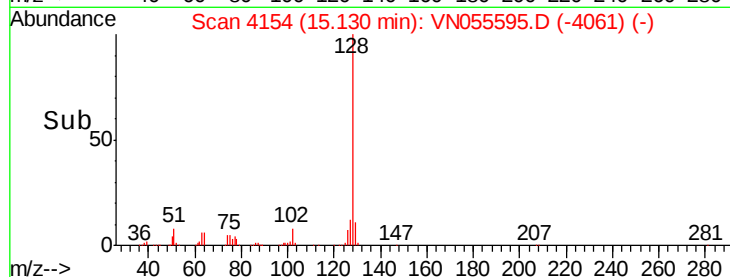
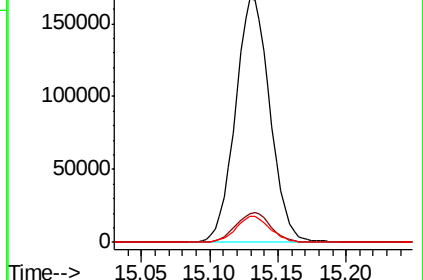
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.207 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055595.D

Acq: 14 May 2019 15:51

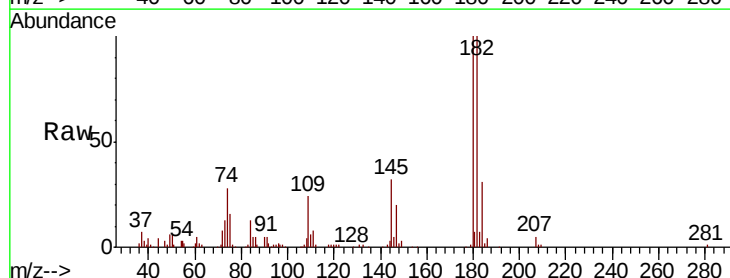
Tgt Ion:180 Resp: 110325

Ion Ratio Lower Upper

180 100

182 97.5 47.9 143.6

145 31.4 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

