

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055629.D
 Acq On : 17 May 2019 22:40
 Operator : JC/SP
 Sample : VN0517MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:13:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	325489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198483	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	179233	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	7.59	113	160306	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.09	98	591948	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	203058	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45333	18.102	ug/l	95
3) Chloromethane	2.06	50	62738	18.782	ug/l	98
4) Vinyl Chloride	2.18	62	68424	18.917	ug/l	97
5) Bromomethane	2.57	94	47869	20.766	ug/l	100
6) Chloroethane	2.71	64	40064	19.949	ug/l	97
7) Trichlorofluoromethane	3.03	101	90045	19.426	ug/l	100
8) Diethyl Ether	3.41	74	37567	20.175	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52417	18.549	ug/l	99
10) Methyl Iodide	3.96	142	72243	17.733	ug/l	99
11) Tert butyl alcohol	4.77	59	71759	107.848	ug/l	96
12) 1,1-Dichloroethene	3.74	96	58083	19.540	ug/l	98
13) Acrolein	3.61	56	32624	96.961	ug/l	93
14) Allyl chloride	4.33	41	92291	19.232	ug/l	99
15) Acrylonitrile	4.99	53	152809	103.226	ug/l	100
16) Acetone	3.82	43	123800	85.022	ug/l	98
17) Carbon Disulfide	4.06	76	154074	18.645	ug/l	99
18) Methyl Acetate	4.32	43	63646	20.389	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	195858	19.917	ug/l	99
20) Methylene Chloride	4.56	84	63462	19.098	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	62318	19.680	ug/l	98
22) Diisopropyl ether	5.95	45	184779	19.432	ug/l	98
23) Vinyl Acetate	5.90	43	790542	97.977	ug/l	99
24) 1,1-Dichloroethane	5.85	63	111355	19.972	ug/l	98
25) 2-Butanone	6.83	43	203753	100.079	ug/l	99
26) 2,2-Dichloropropane	6.83	77	69579	14.061	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	72597	19.688	ug/l	95
28) Bromochloromethane	7.20	49	47564	19.609	ug/l	96
29) Tetrahydrofuran	7.21	42	138522	102.699	ug/l	99
30) Chloroform	7.37	83	113315	19.799	ug/l	97
31) Cyclohexane	7.66	56	100383	18.970	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	100731	19.623	ug/l	98
36) 1,1-Dichloropropene	7.80	75	84077	18.783	ug/l	100
37) Ethyl Acetate	6.93	43	85041	21.054	ug/l	99
38) Carbon Tetrachloride	7.78	117	87791	18.354	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	94311	17.478	ug/l	98
40) Benzene	8.05	78	255347	19.395	ug/l	100
41) Methacrylonitrile	7.21	41	120645	69.862	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	85304	20.009	ug/l	100
43) Isopropyl Acetate	8.17	43	140183	19.952	ug/l	99
44) Trichloroethene	8.84	130	72499	19.515	ug/l	98
45) 1,2-Dichloropropane	9.12	63	68035	19.616	ug/l	98
46) Dibromomethane	9.21	93	44221	19.480	ug/l	98
47) Bromodichloromethane	9.40	83	89995	18.916	ug/l	99
48) Methyl methacrylate	9.20	41	61486	19.579	ug/l	96
49) 1,4-Dioxane	9.20	88	26629	426.726	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	409059	99.252	ug/l	99
52) Toluene	10.16	92	158763	19.226	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	94151	18.387	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	105097	18.735	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	65929	19.393	ug/l	99
56) Ethyl methacrylate	10.43	69	101001	19.032	ug/l	98
57) 1,3-Dichloropropane	10.71	76	105084	19.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	220630	97.845	ug/l	99
59) 2-Hexanone	10.75	43	283622	97.744	ug/l	99
60) Dibromochloromethane	10.90	129	74966	19.457	ug/l	100
61) 1,2-Dibromoethane	11.01	107	67295	19.784	ug/l	98
64) Tetrachloroethene	10.63	164	69214	20.173	ug/l	98
65) Chlorobenzene	11.44	112	170929	19.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67579	19.093	ug/l	99
67) Ethyl Benzene	11.51	91	298168	19.024	ug/l	99
68) m/p-Xylenes	11.62	106	226071	38.195	ug/l	99
69) o-Xylene	11.95	106	109485	18.912	ug/l	100
70) Styrene	11.97	104	186285	19.353	ug/l	100
71) Bromoform	12.13	173	57929	19.312	ug/l #	100
73) Isopropylbenzene	12.25	105	292237	19.512	ug/l	100
74) N-amyl acetate	12.07	43	103590	18.587	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	90561	19.597	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110966	27.398	ug/l #	100
77) Bromobenzene	12.53	156	145400	35.670	ug/l	43
78) n-propylbenzene	12.59	91	318980	18.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	190394	19.146	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	242850	19.150	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26331	16.712	ug/l	99
82) 4-Chlorotoluene	12.77	91	189035	18.202	ug/l	100
83) tert-Butylbenzene	12.99	119	211367	19.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241202	19.228	ug/l	100
85) sec-Butylbenzene	13.17	105	270497	19.062	ug/l	100
86) p-Isopropyltoluene	13.29	119	244418	18.690	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126871	18.824	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122868	19.093	ug/l	99
89) n-Butylbenzene	13.62	91	199122	18.282	ug/l	100
90) Hexachloroethane	13.87	117	48430	19.186	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	127379	18.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18024	20.010	ug/l	95

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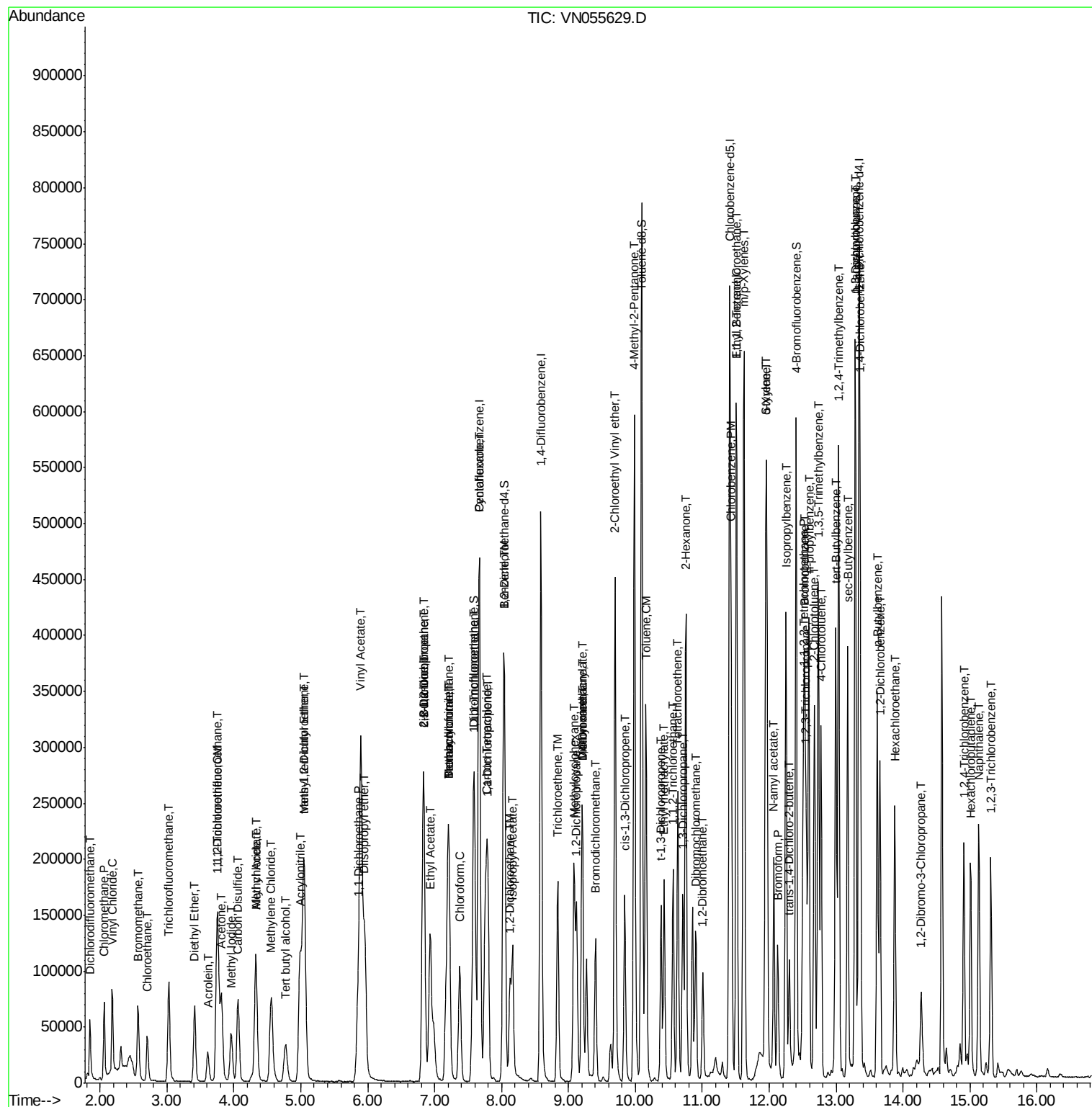
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71569	20.927	ug/l	99
94) Hexachlorobutadiene	15.01	225	40849	17.920	ug/l	100
95) Naphthalene	15.13	128	206768	21.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	73404	20.528	ug/l	99

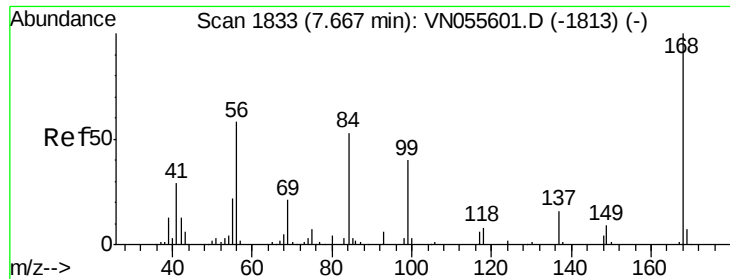
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

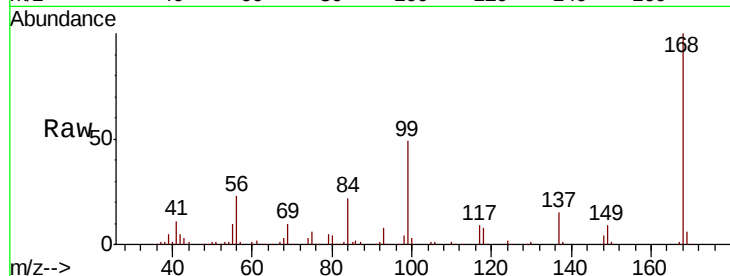
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 325489

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055601.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055601.D (-1813) (-)

7.67

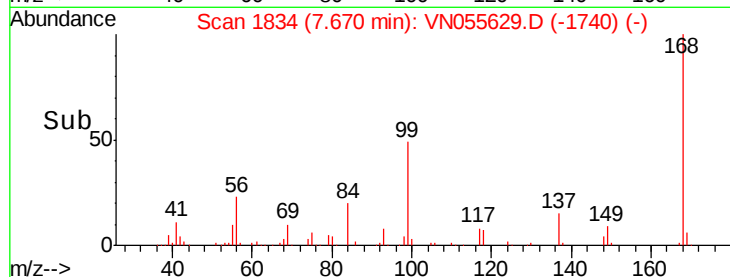
150000

100000

50000

0

Time-->



Abundance Ion 167.90 (167.60 to 168.60): VN055629.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055629.D (-1740) (-)

7.67

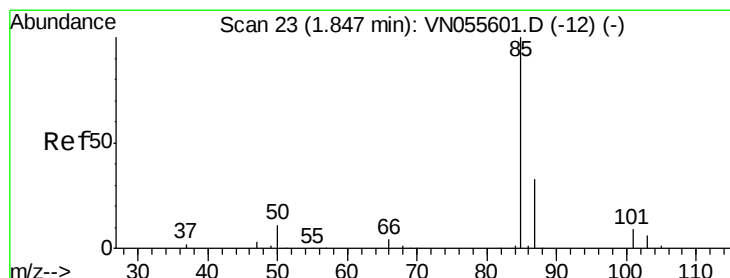
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.102 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055629.D

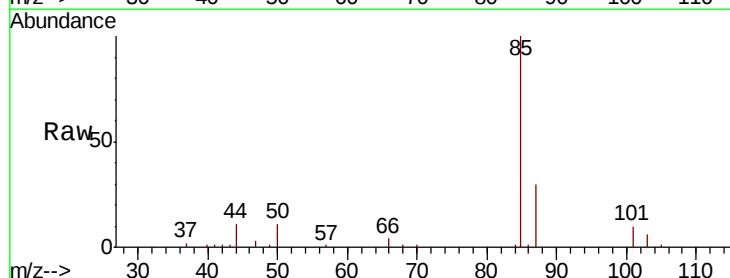
Acq: 17 May 2019 22:40

Tgt Ion: 85 Resp: 45333

Ion Ratio Lower Upper

85 100

87 30.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN055601.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055601.D (-12) (-)

1.85

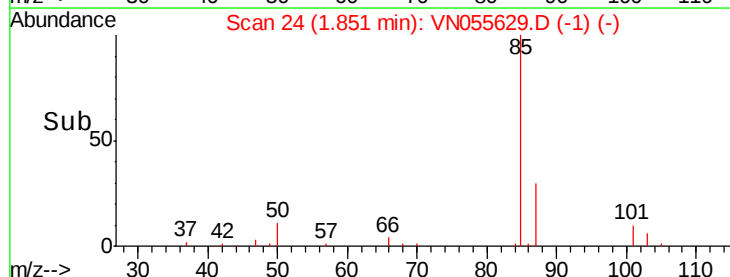
30000

20000

10000

0

Time-->



Abundance Ion 84.90 (84.60 to 85.60): VN055629.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055629.D (-1) (-)

1.85

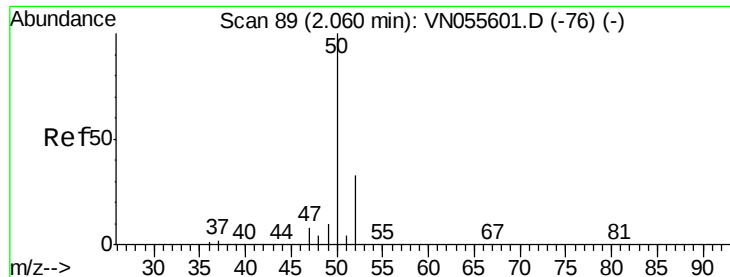
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 18.782 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

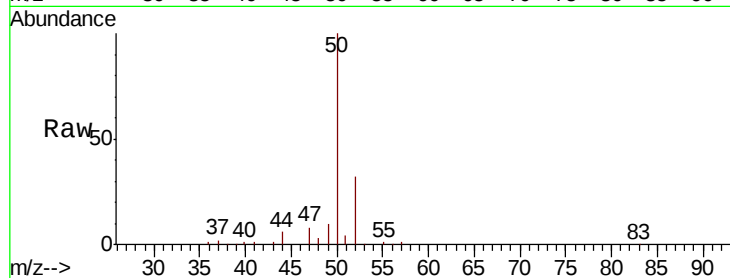
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 62738

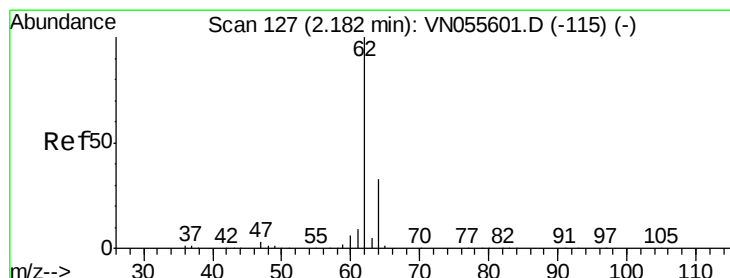
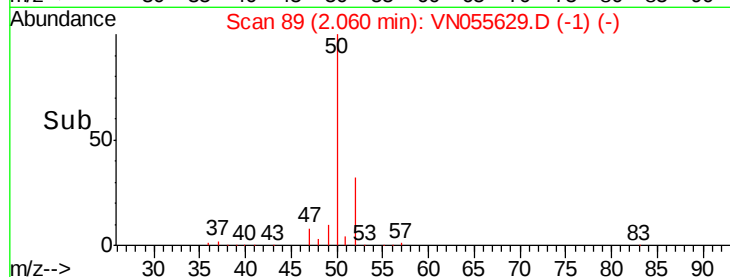
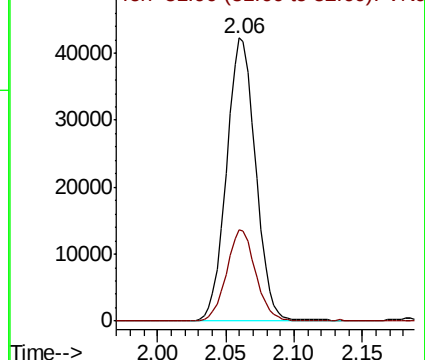
Ion Ratio Lower Upper

50 100

52 32.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0
Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.917 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055629.D

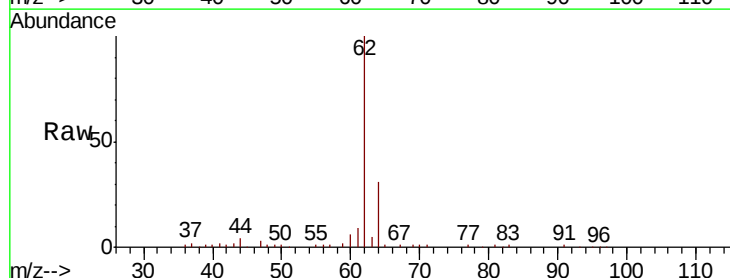
Acq: 17 May 2019 22:40

Tgt Ion: 62 Resp: 68424

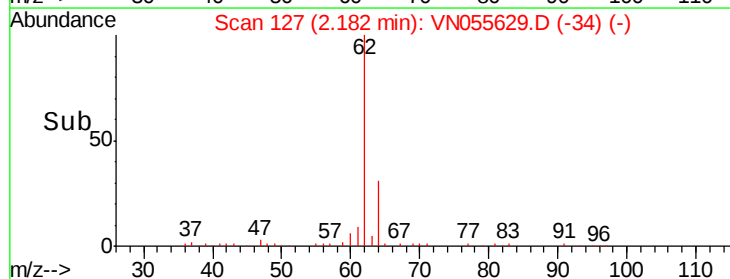
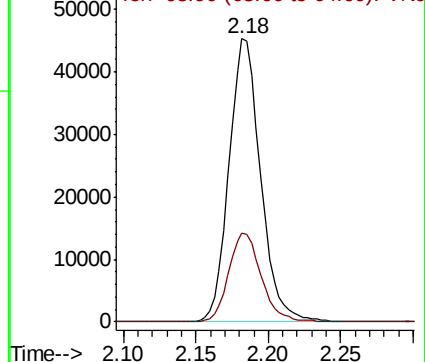
Ion Ratio Lower Upper

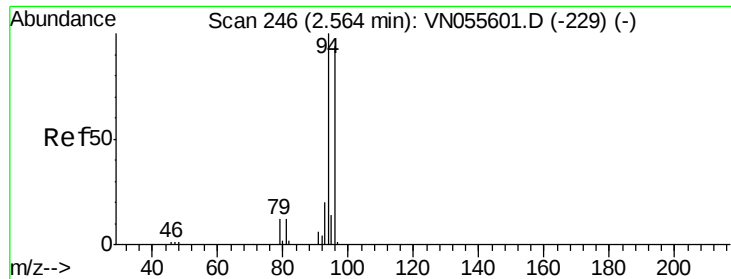
62 100

64 31.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.766 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

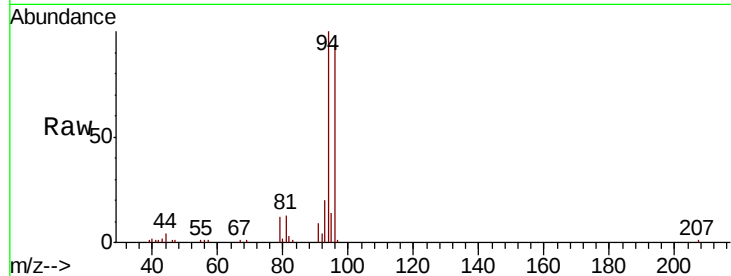
ClientSampleId :

Tot Ion: 94 Resp: 47869

Ion Ratio Lower Upper

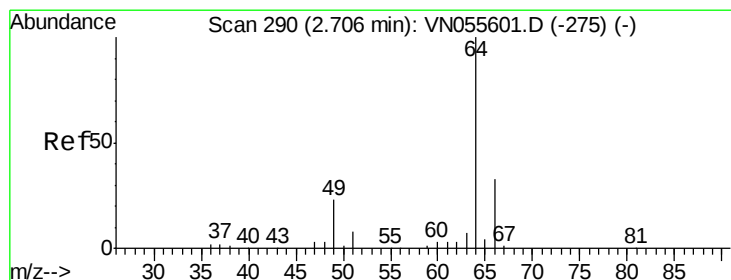
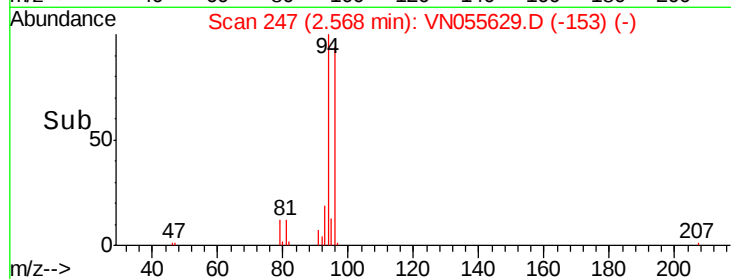
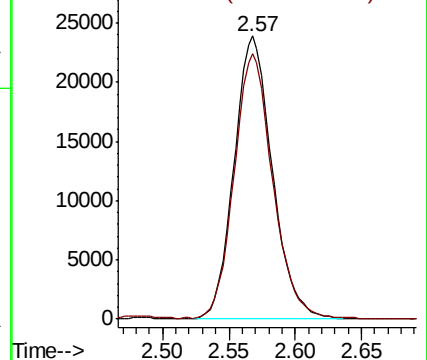
94 100

96 93.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.949 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055629.D

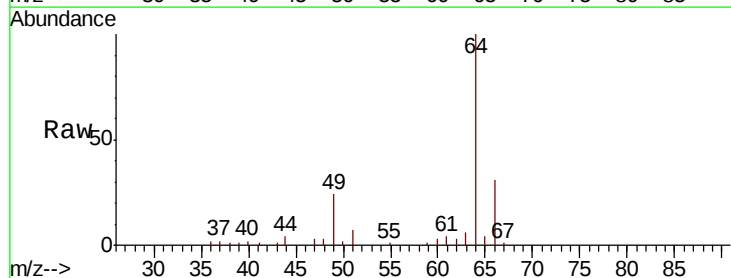
Acq: 17 May 2019 22:40

Tgt Ion: 64 Resp: 40064

Ion Ratio Lower Upper

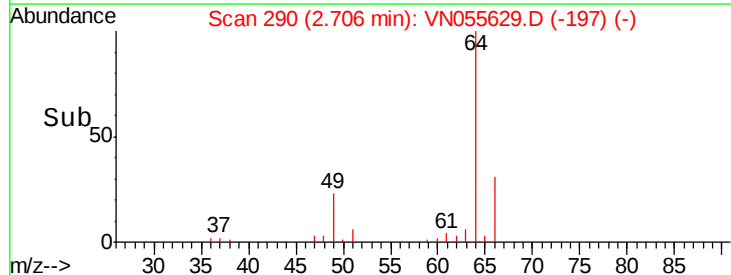
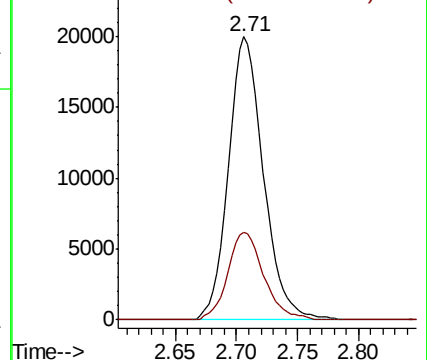
64 100

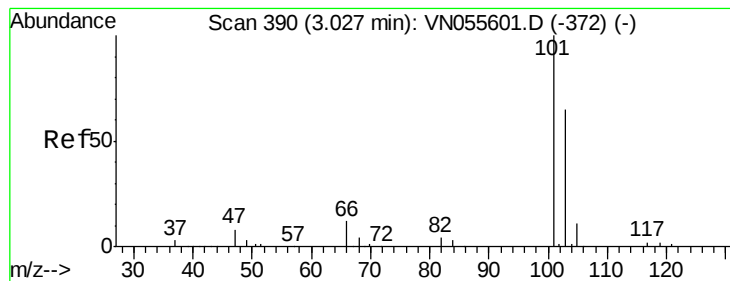
66 31.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



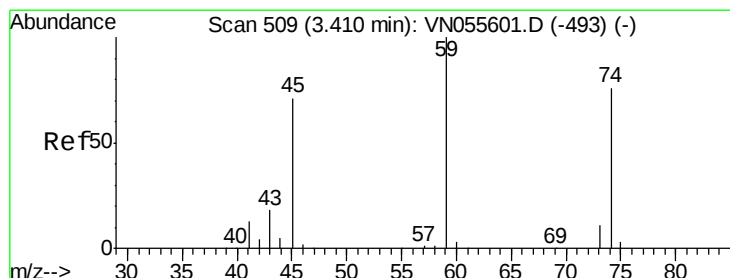
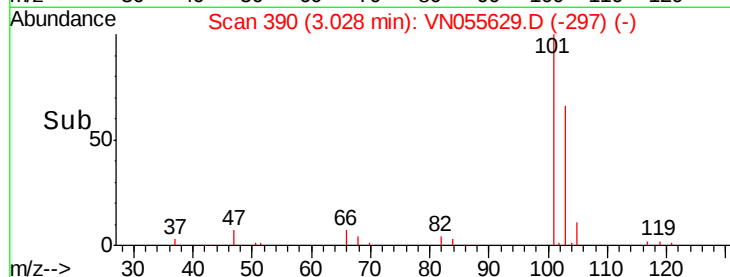
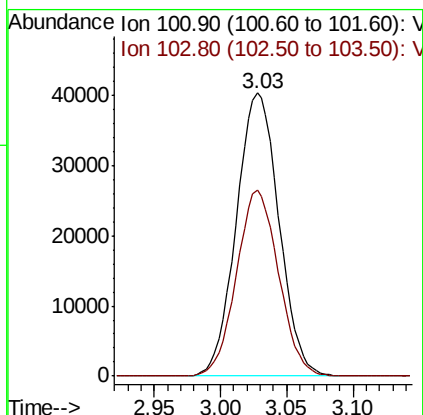
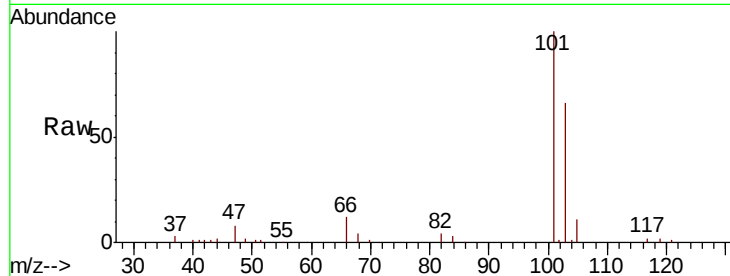


#7

Trichlorofluoromethane
 Concen: 19.426 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :

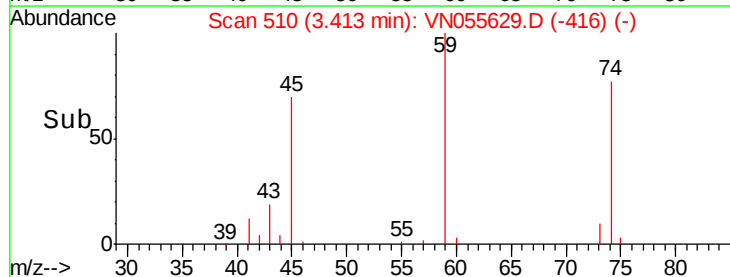
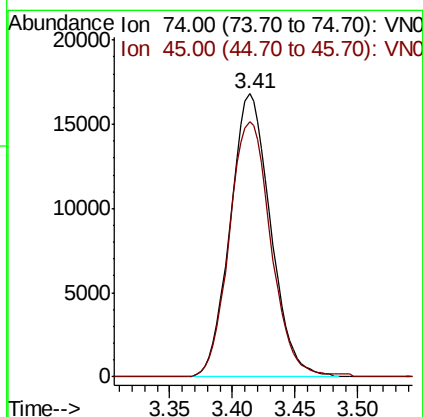
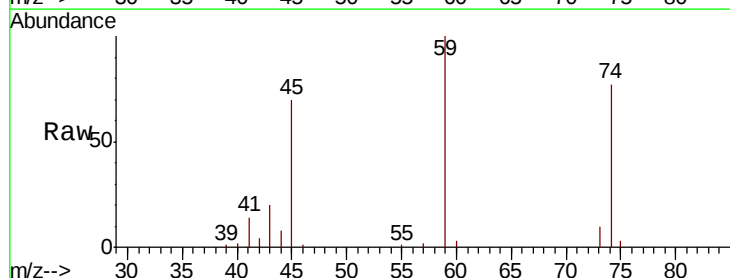
Tot Ion:101 Resp: 90045
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.3 78.5

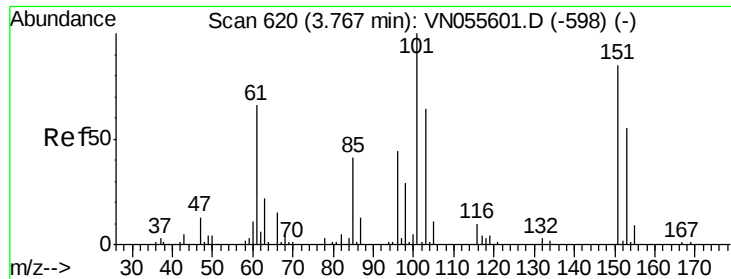


#8

Diethyl Ether
 Concen: 20.175 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 74 Resp: 37567
 Ion Ratio Lower Upper
 74 100
 45 93.4 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.549 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

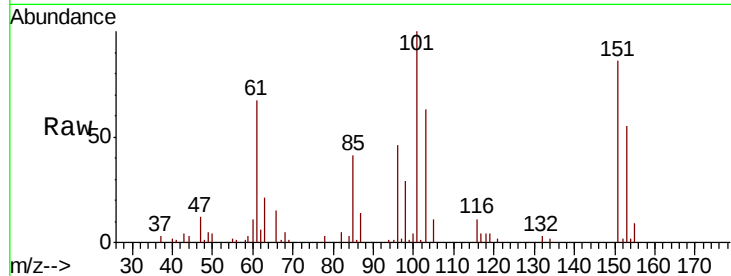
Tot Ion:101 Resp: 52417

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.0

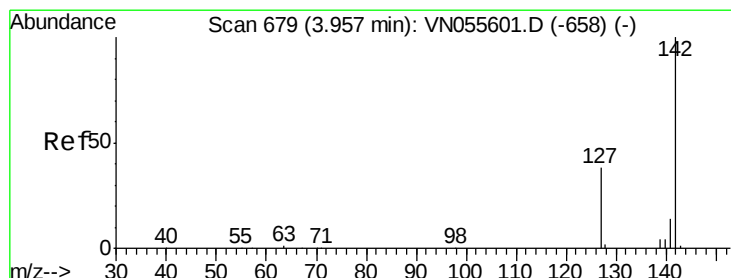
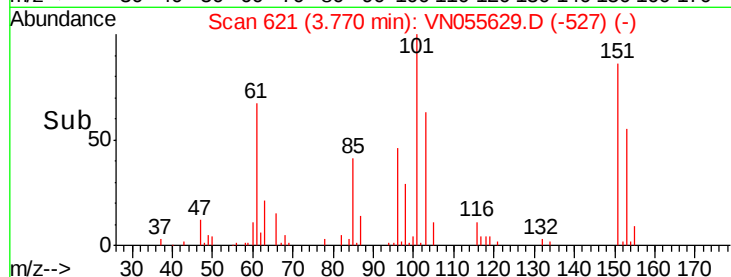
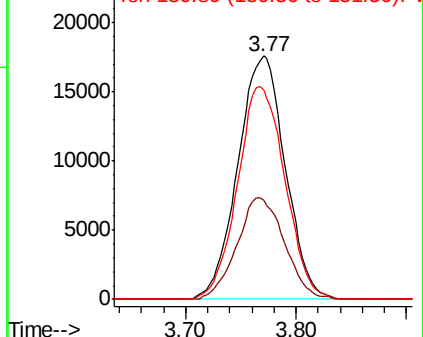
151 87.4 69.3 103.9



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: 17.733 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

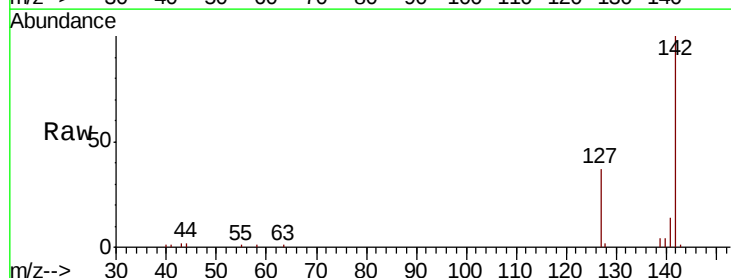
Tgt Ion:142 Resp: 72243

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

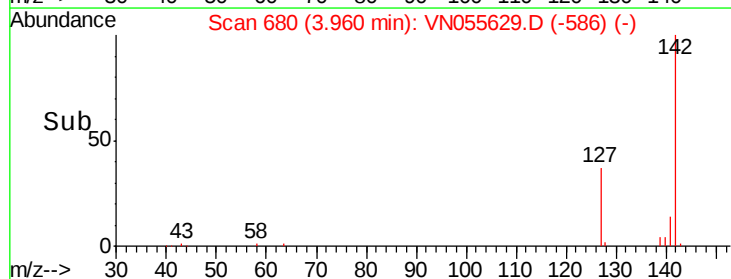
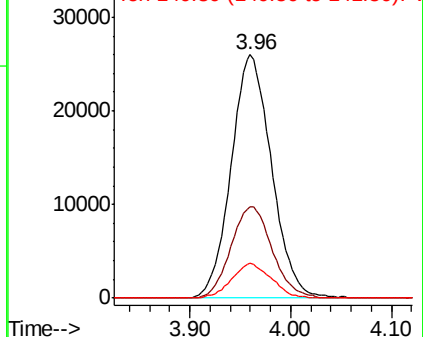
141 14.0 11.5 17.3

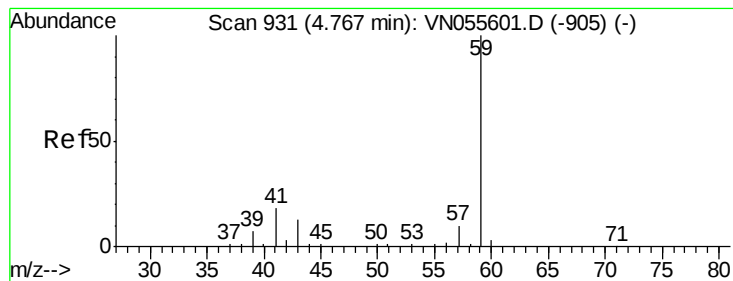


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



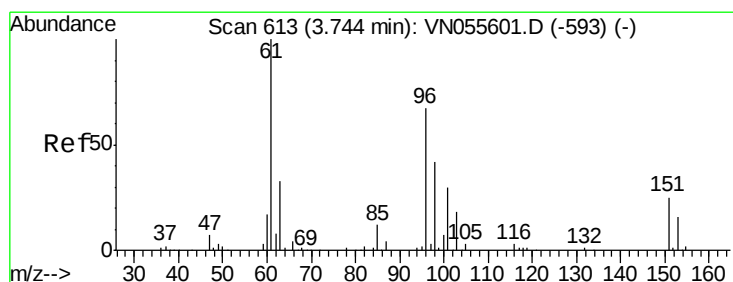
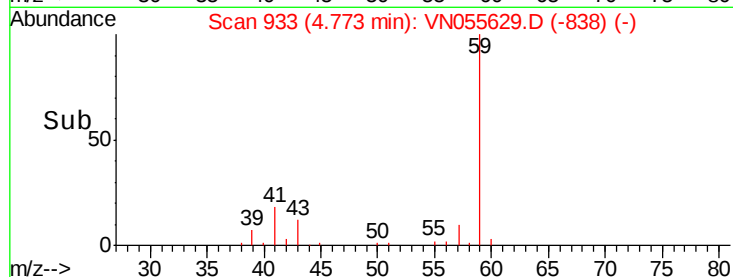
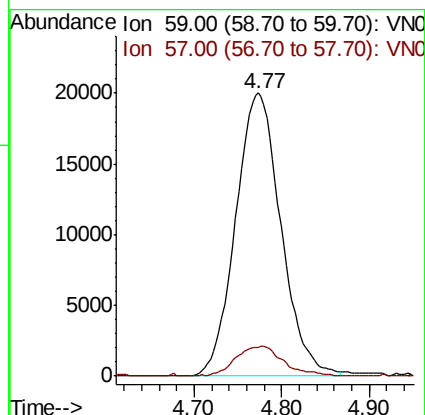
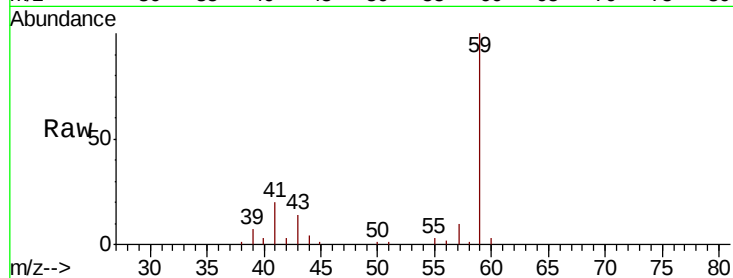


#11

Tert butyl alcohol
 Concen: 107.848 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :

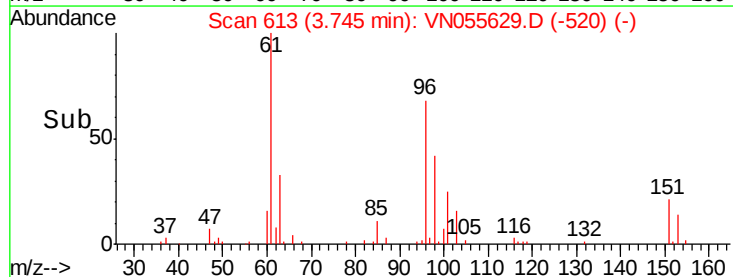
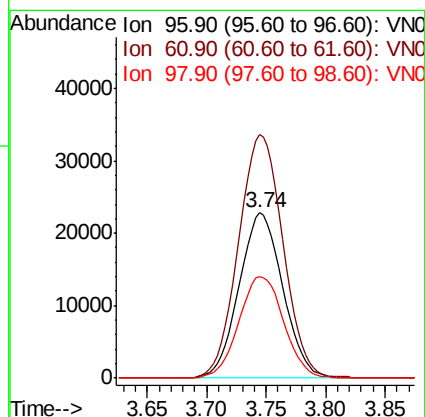
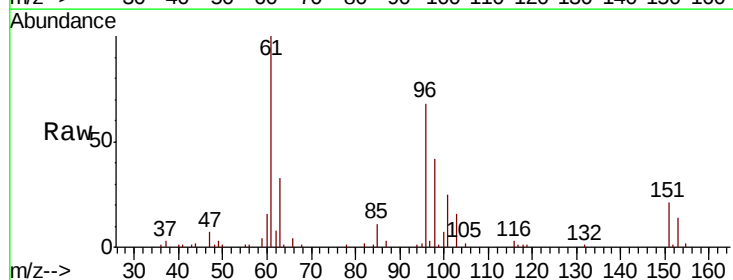
Tot Ion: 59 Resp: 71759
 Ion Ratio Lower Upper
 59 100
 57 11.2 7.8 11.6

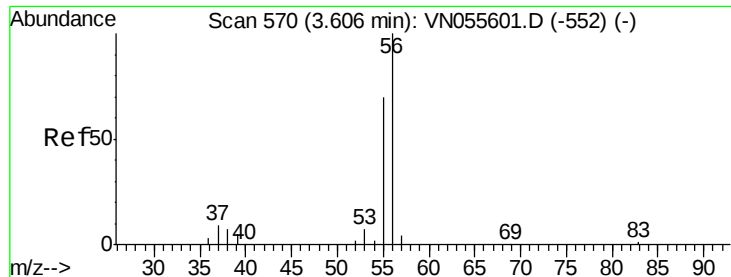


#12

1,1-Dichloroethene
 Concen: 19.540 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 96 Resp: 58083
 Ion Ratio Lower Upper
 96 100
 61 147.4 120.2 180.2
 98 61.7 50.6 75.8





#13

Acrolein

Concen: 96.961 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

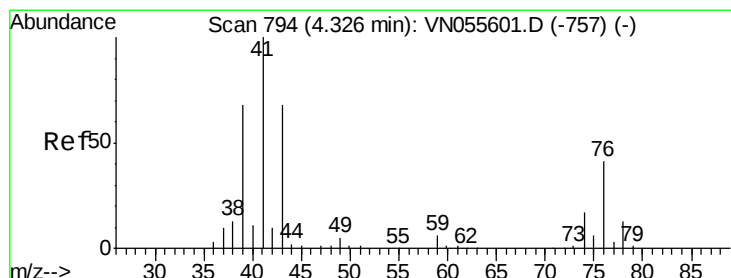
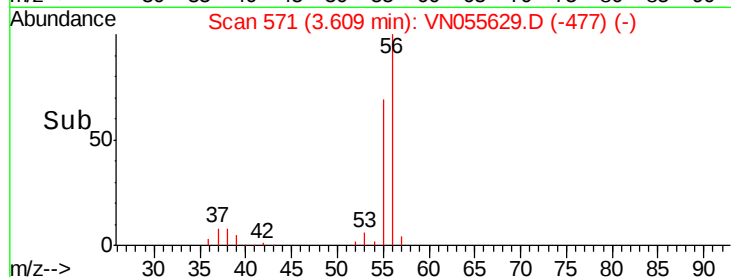
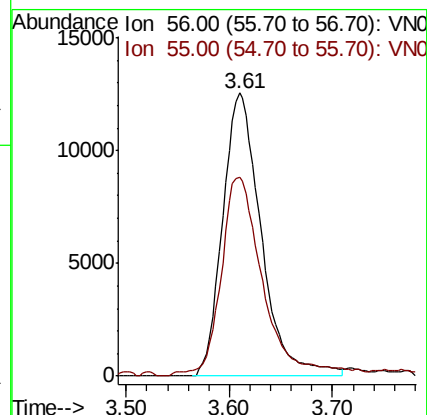
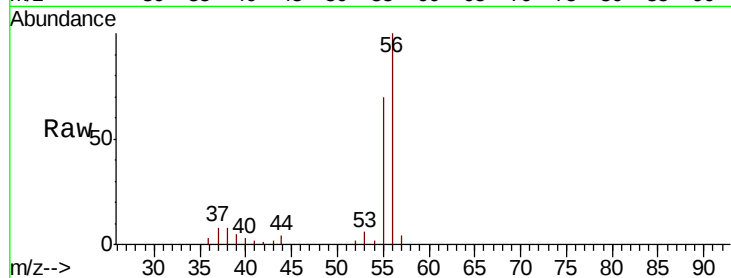
ClientSampled :

Tot Ion: 56 Resp: 32624

Ion Ratio Lower Upper

56 100

55 76.2 56.5 84.7



#14

Allyl chloride

Concen: 19.232 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

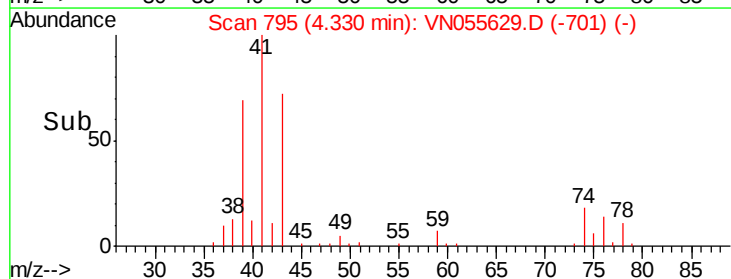
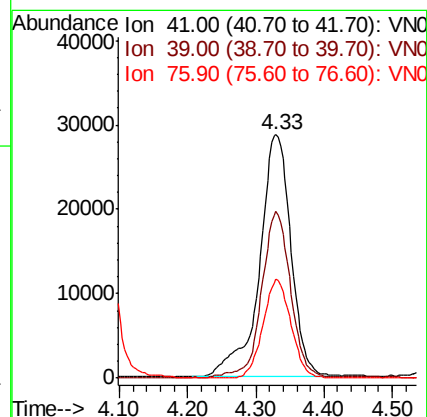
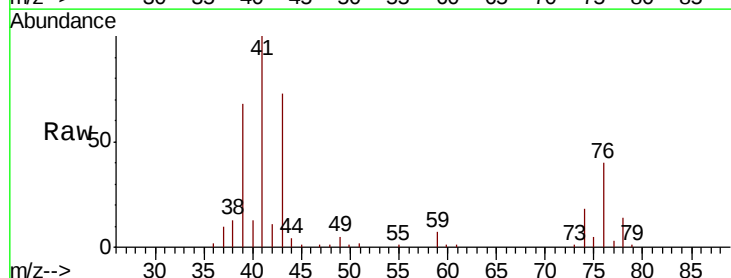
Tgt Ion: 41 Resp: 92291

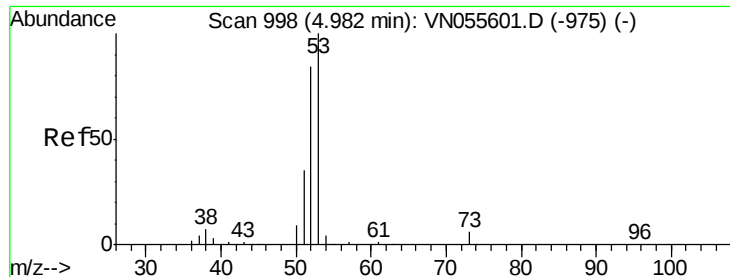
Ion Ratio Lower Upper

41 100

39 63.4 50.5 75.7

76 35.9 29.2 43.8





#15

Acrylonitrile

Concen: 103.226 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

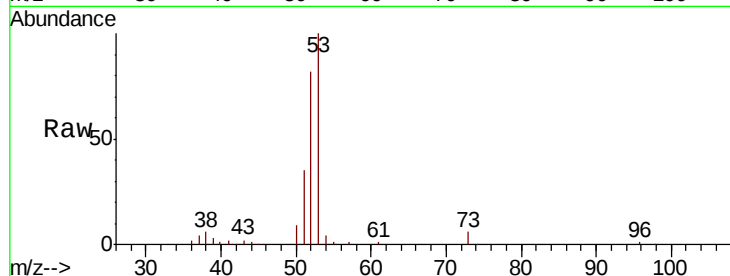
Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 152809

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	36.1	28.5	42.7

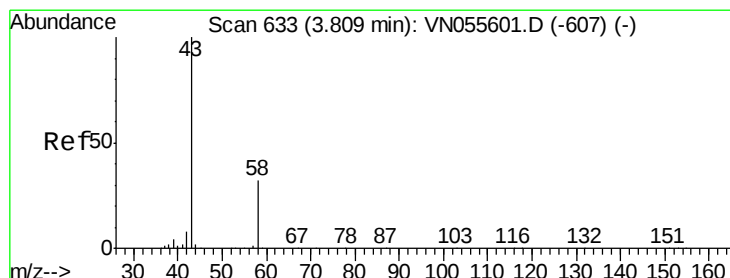
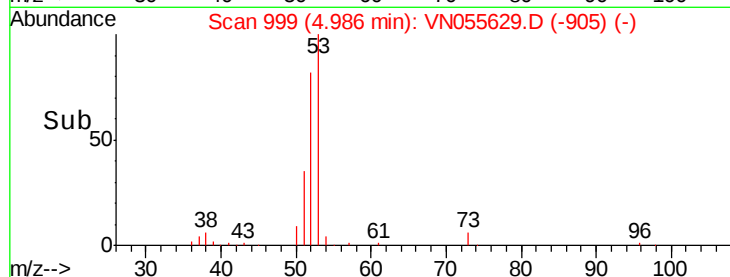
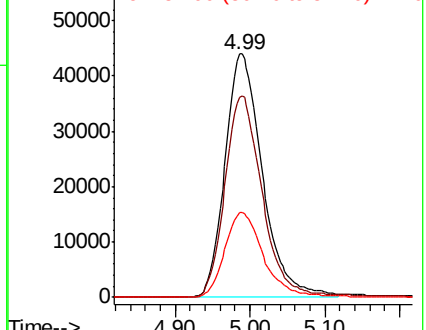


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.022 ug/l

RT: 3.82 min Scan# 635

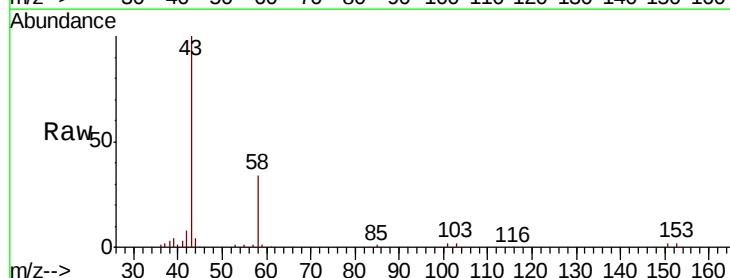
Delta R.T. 0.01 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion: 43 Resp: 123800

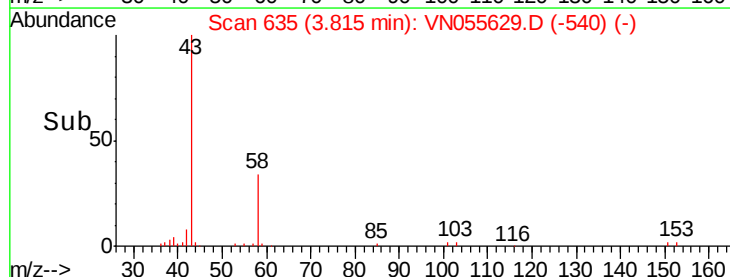
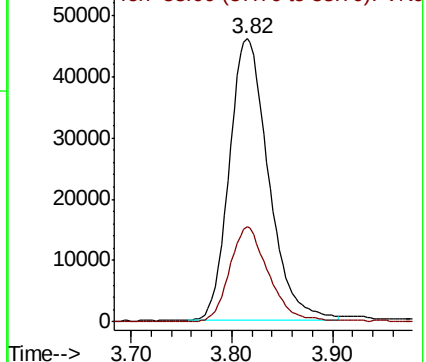
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.0	39.0

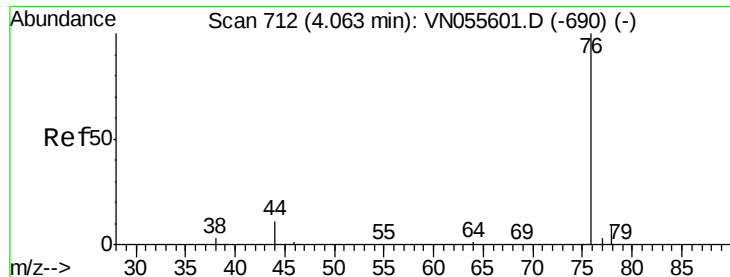


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

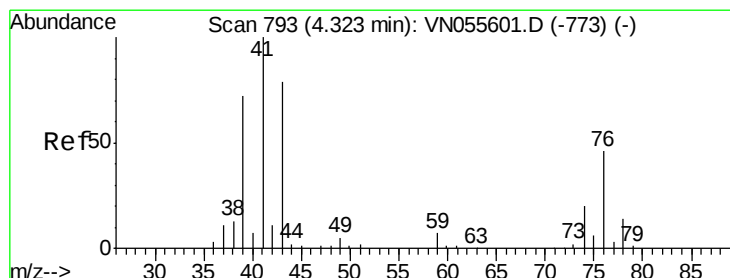
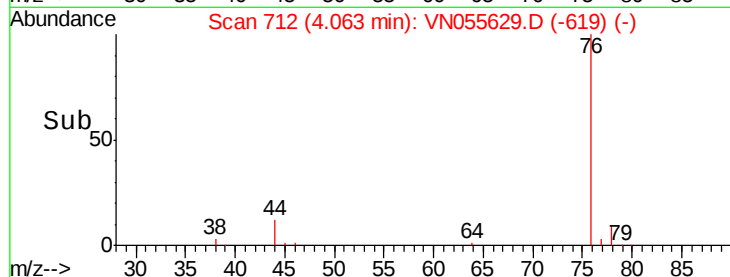
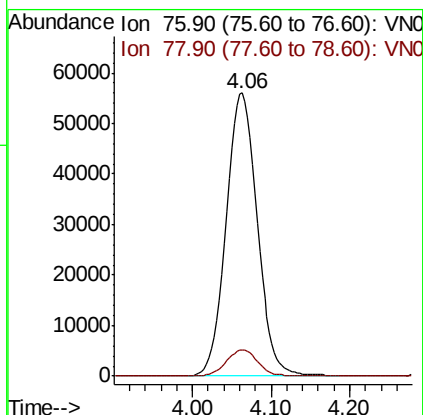
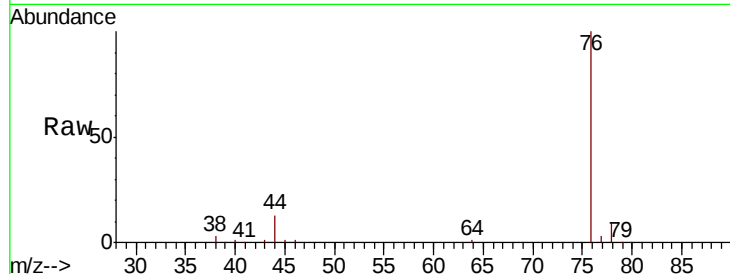




#17
Carbon Disulfide
Concen: 18.645 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

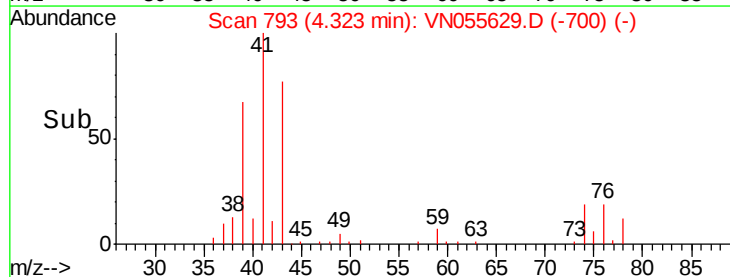
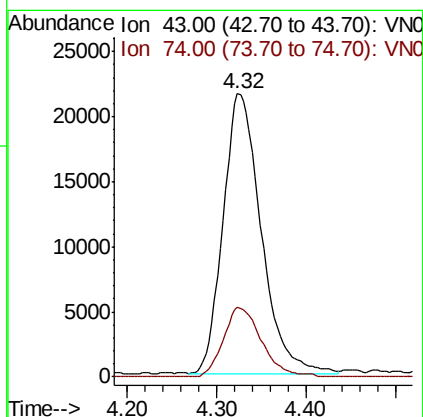
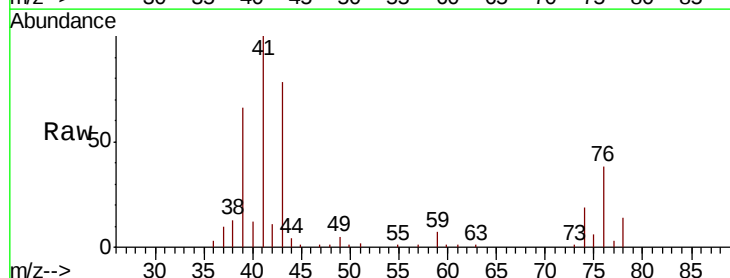
Instrument :
MSVOA_N
ClientSampled :

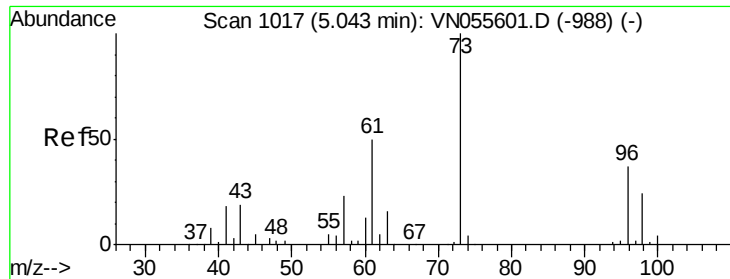
Tot Ion: 76 Resp: 154074
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 20.389 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 43 Resp: 63646
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9



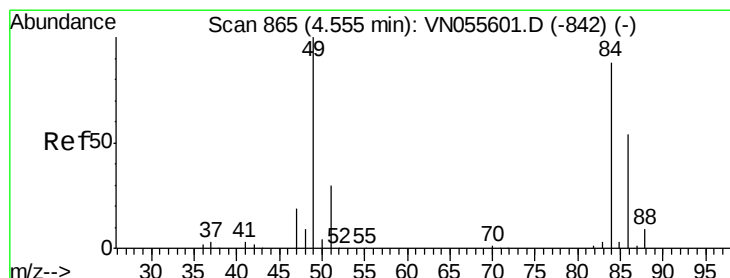
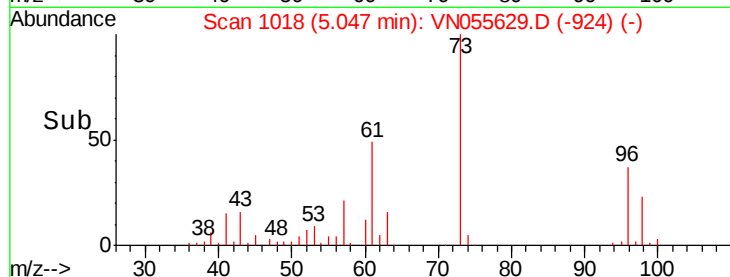
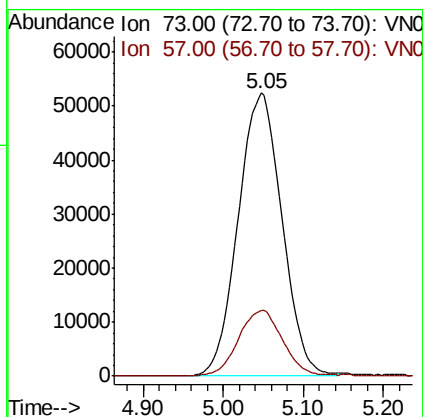
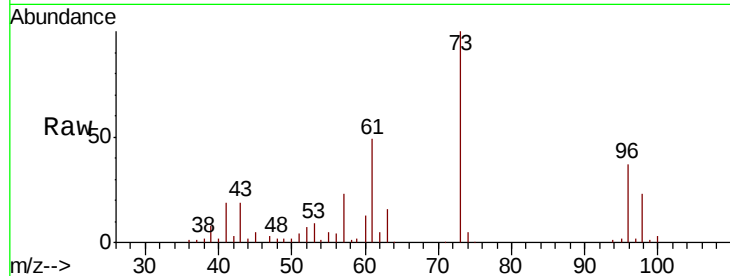


#19

Methyl tert-butyl Ether
 Concen: 19.917 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampled :

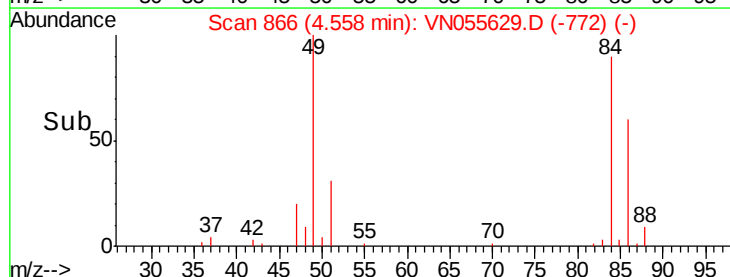
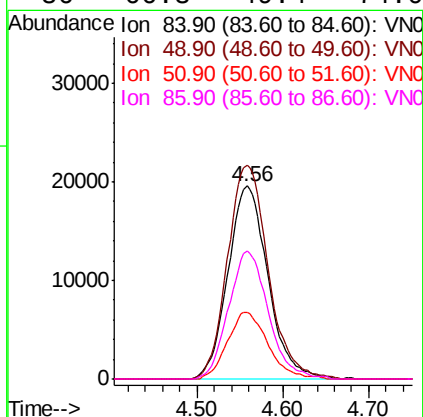
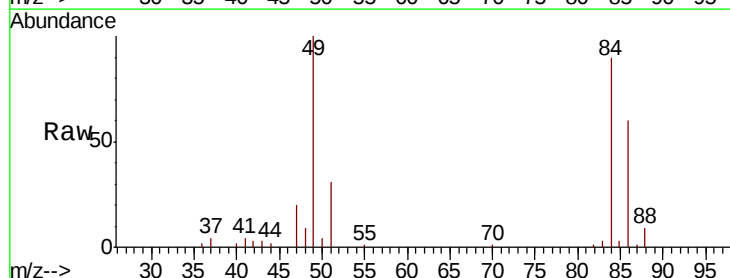
Tot Ion: 73 Resp: 195858
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.2 27.2

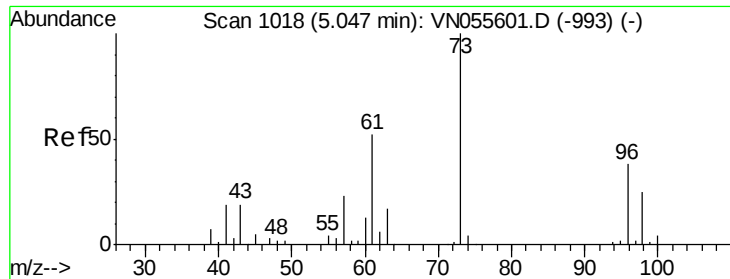


#20

Methylene Chloride
 Concen: 19.098 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 84 Resp: 63462
 Ion Ratio Lower Upper
 84 100
 49 110.8 91.0 136.4
 51 34.8 27.5 41.3
 86 66.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.680 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :

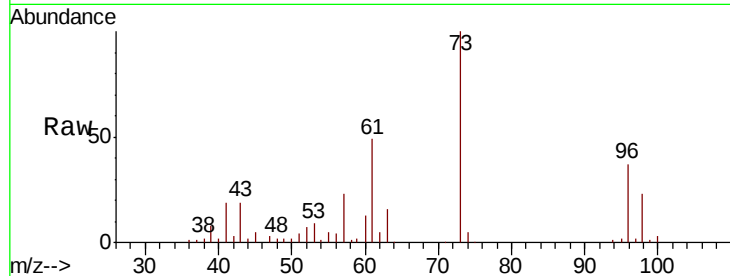
Tot Ion: 96 Resp: 62318

Ion Ratio Lower Upper

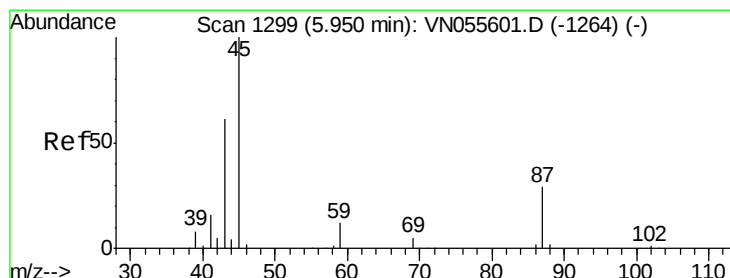
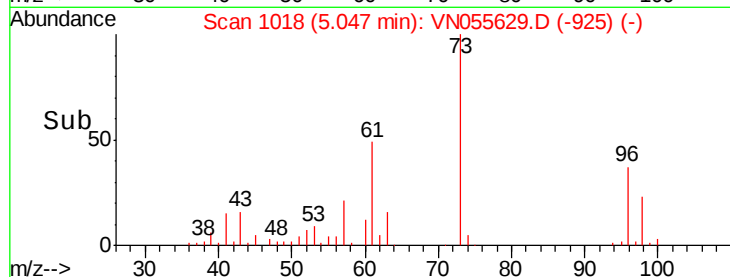
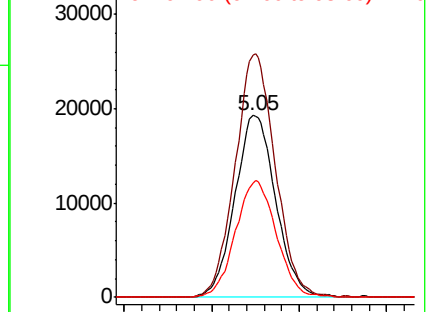
96 100

61 133.4 108.6 162.8

98 62.5 51.4 77.0



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



#22

Diisopropyl ether

Concen: 19.432 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion: 45 Resp: 184779

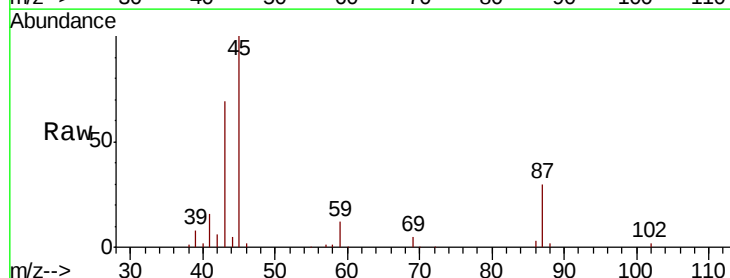
Ion Ratio Lower Upper

45 100

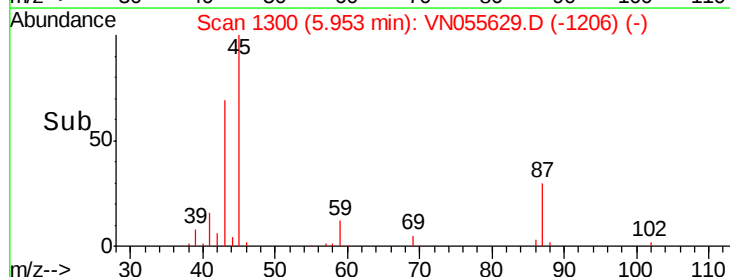
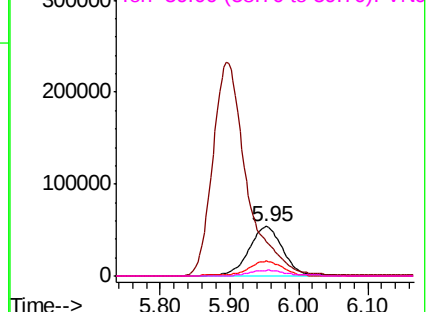
43 65.4 50.4 75.6

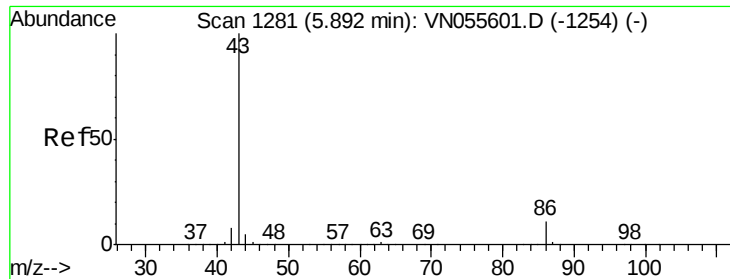
87 29.6 23.8 35.6

59 11.7 9.5 14.3



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

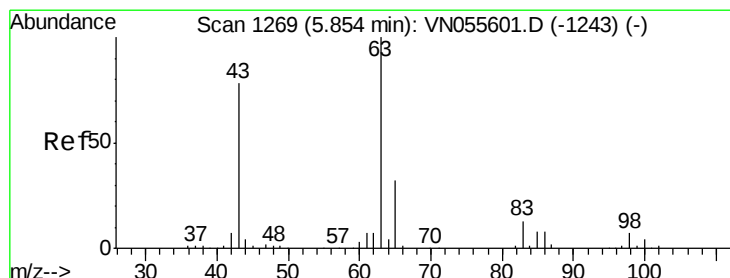
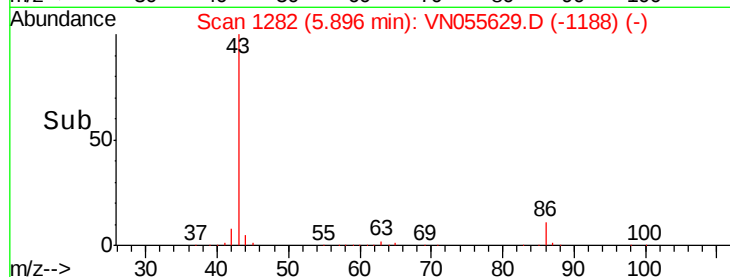
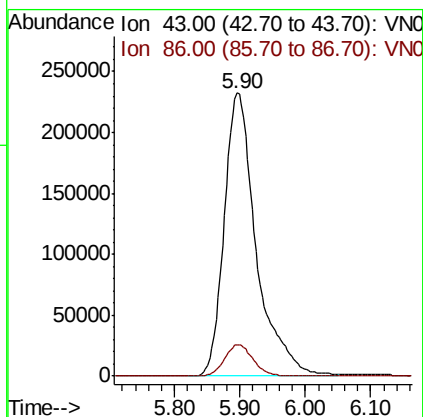
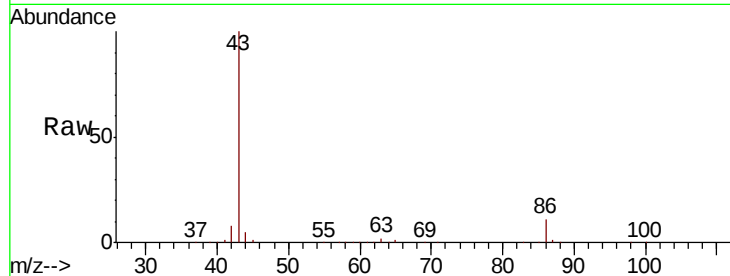




#23
 Vinyl Acetate
 Concen: 97.977 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

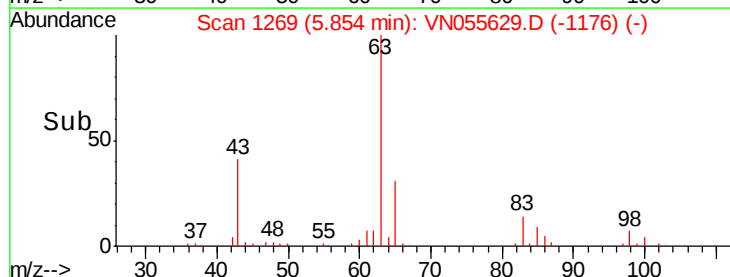
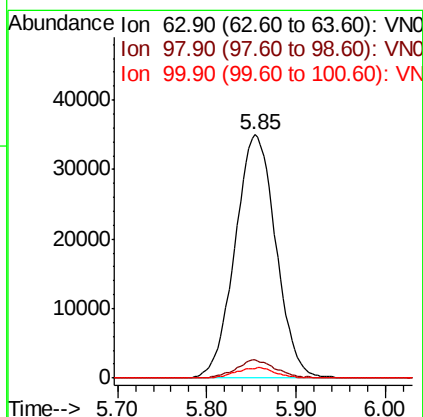
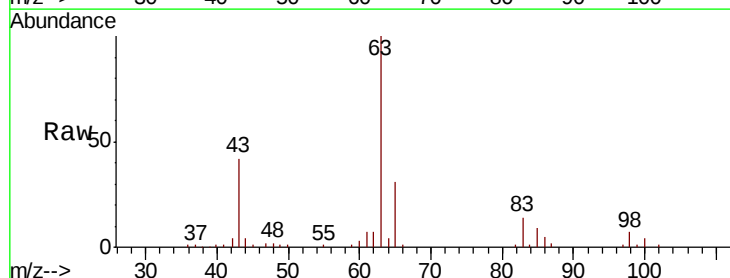
Instrument :
 MSVOA_N
 ClientSampled :

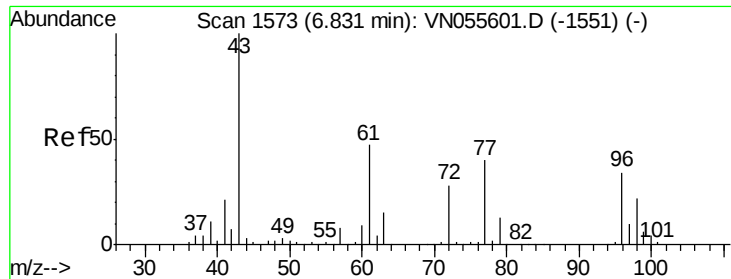
Tot Ion: 43 Resp: 790542
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.972 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 63 Resp: 111355
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 100.079 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

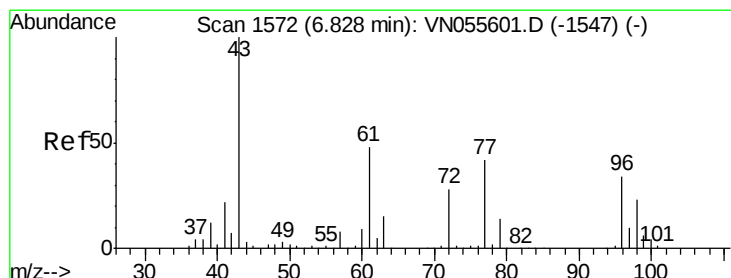
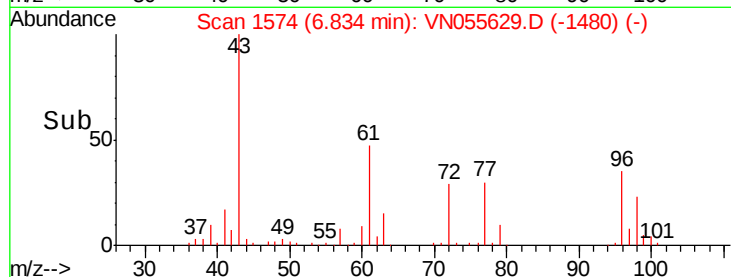
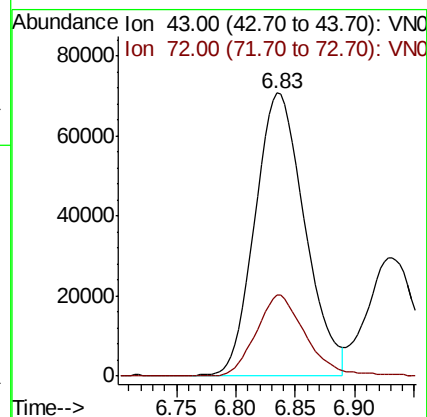
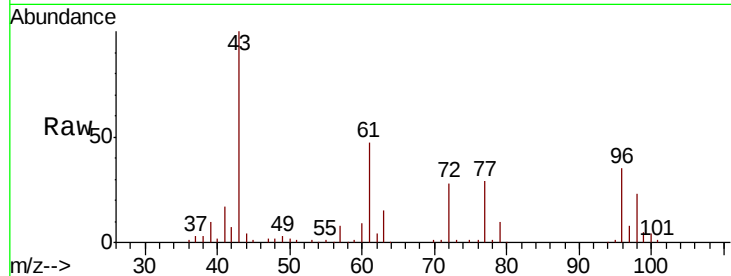
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 203753

Ion Ratio Lower Upper

43 100

72 28.5 22.3 33.5



#26

2,2-Dichloropropane

Concen: 14.061 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055629.D

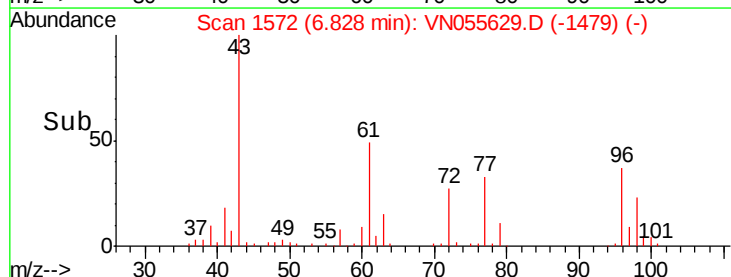
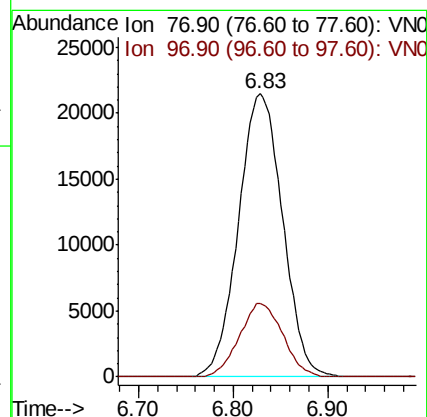
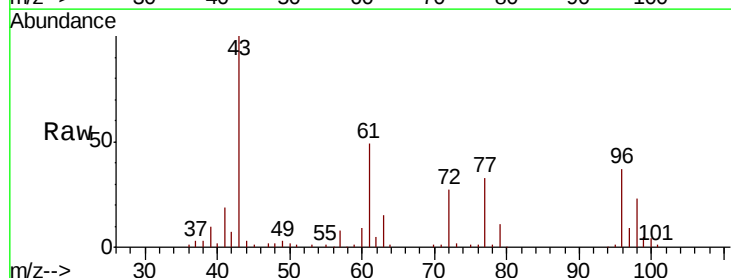
Acq: 17 May 2019 22:40

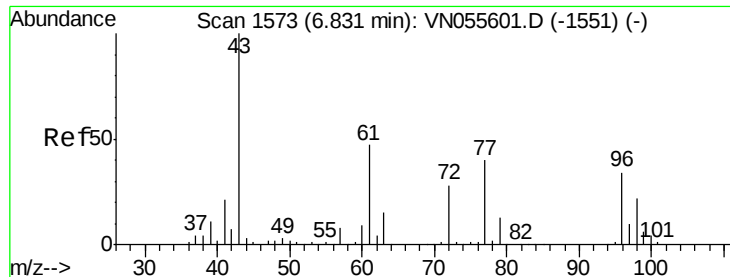
Tgt Ion: 77 Resp: 69579

Ion Ratio Lower Upper

77 100

97 25.5 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.688 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

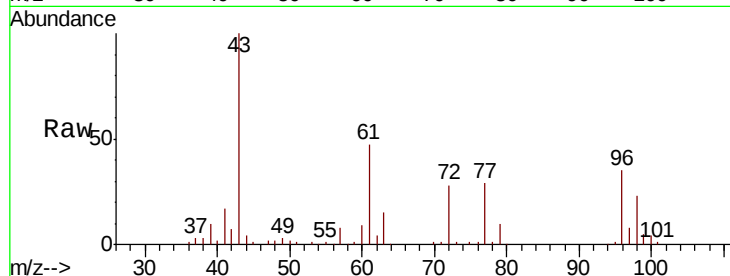
Tot Ion: 96 Resp: 72597

Ion Ratio Lower Upper

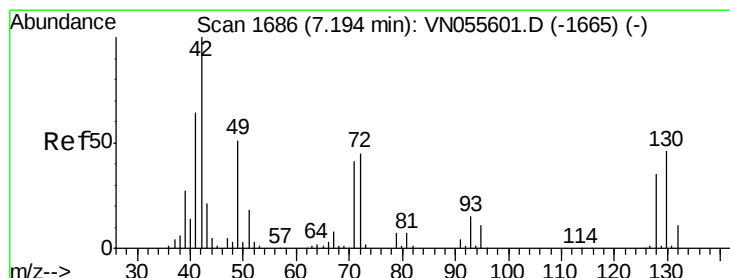
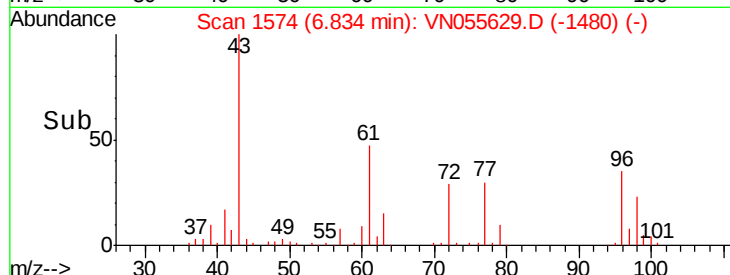
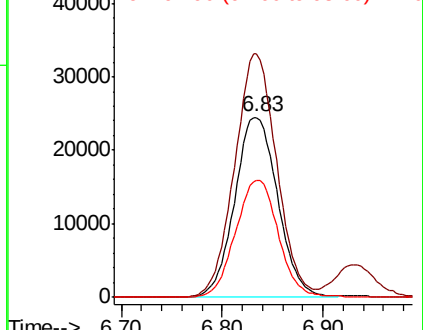
96 100

61 131.8 0.0 279.0

98 64.7 0.0 131.6



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: 19.609 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

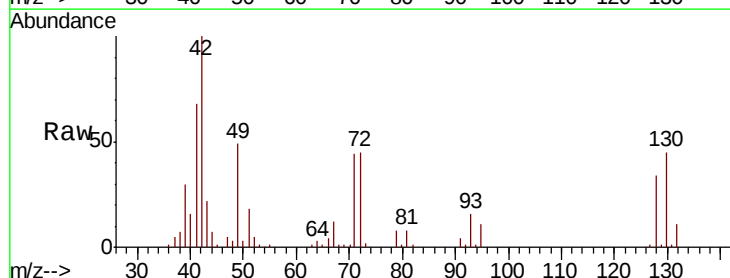
Tgt Ion: 49 Resp: 47564

Ion Ratio Lower Upper

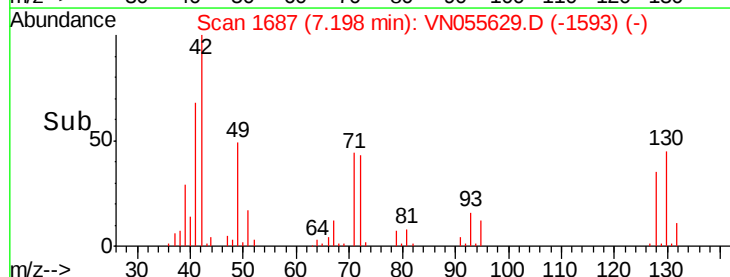
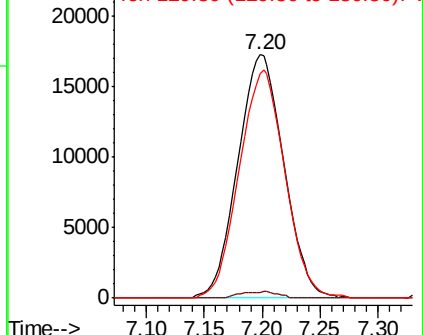
49 100

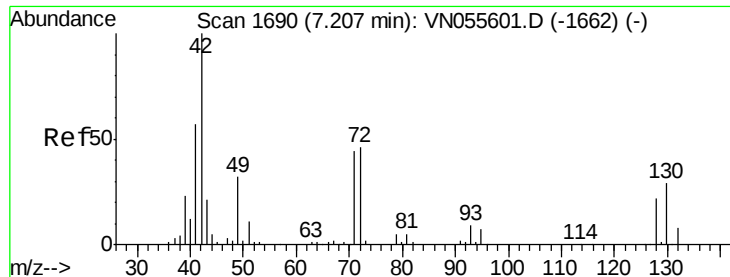
129 2.1 0.0 4.4

130 93.1 71.0 106.6



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

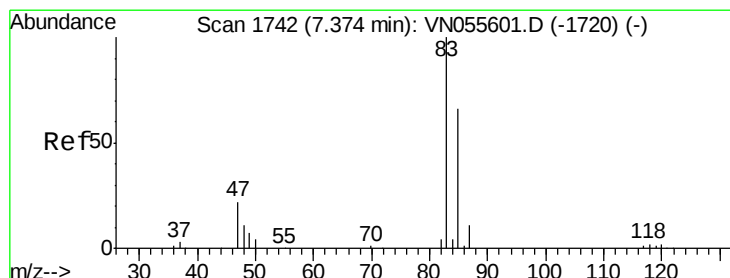
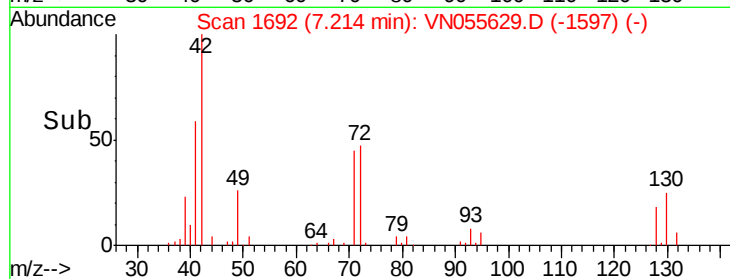
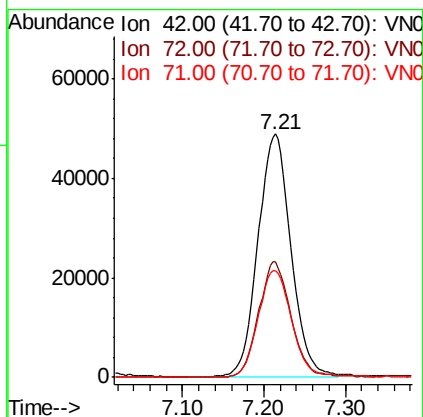
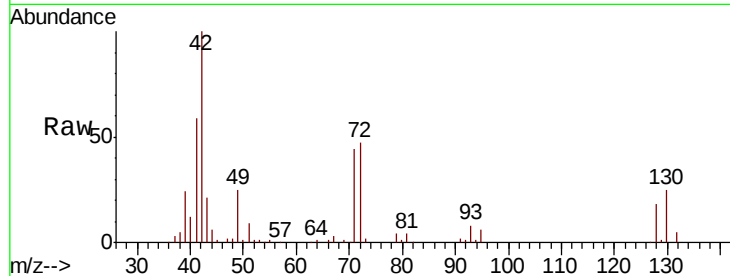




#29
Tetrahydrofuran
Concen: 102.699 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

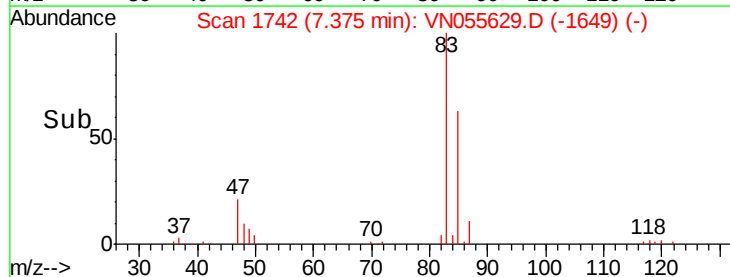
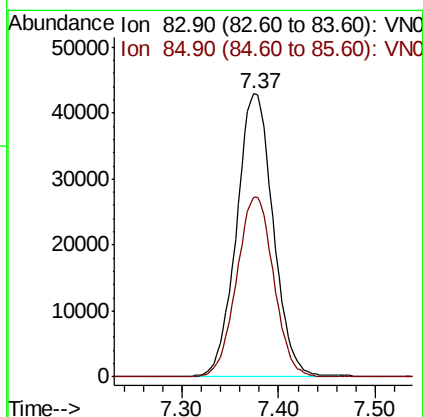
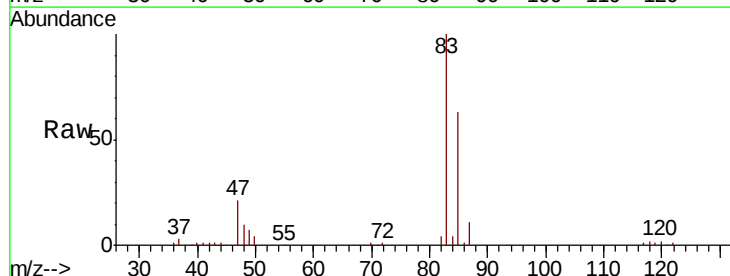
Instrument :
MSVOA_N
ClientSampleId :

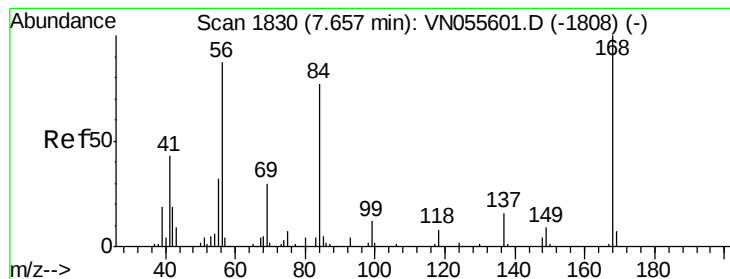
Tot Ion: 42 Resp: 138522
Ion Ratio Lower Upper
42 100
72 46.1 36.5 54.7
71 44.4 34.9 52.3



#30
Chloroform
Concen: 19.799 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 83 Resp: 113315
Ion Ratio Lower Upper
83 100
85 63.3 52.6 78.8





#31

Cyclohexane

Concen: 18.970 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :

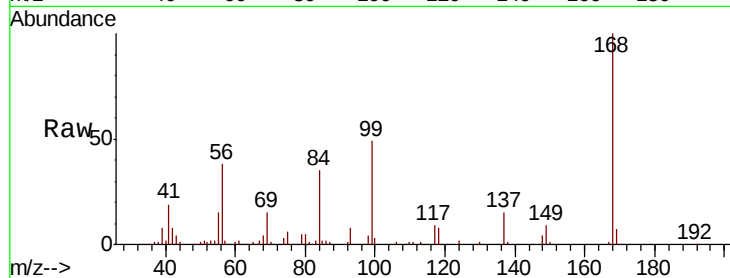
Tot Ion: 56 Resp: 100383

Ion Ratio Lower Upper

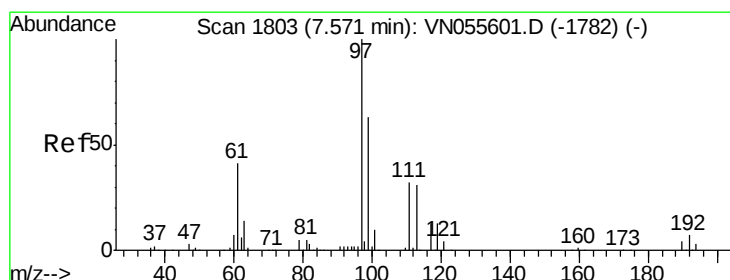
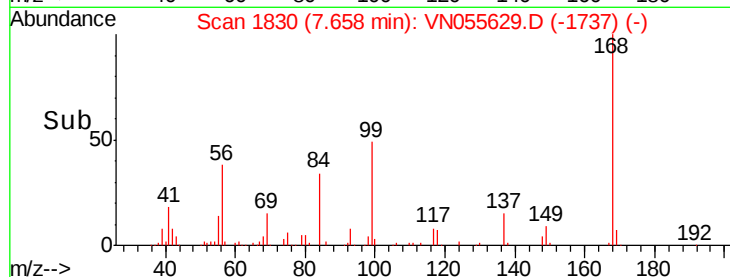
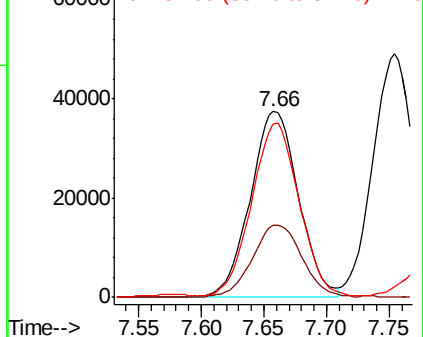
56 100

69 38.9 27.2 40.8

84 91.9 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.623 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

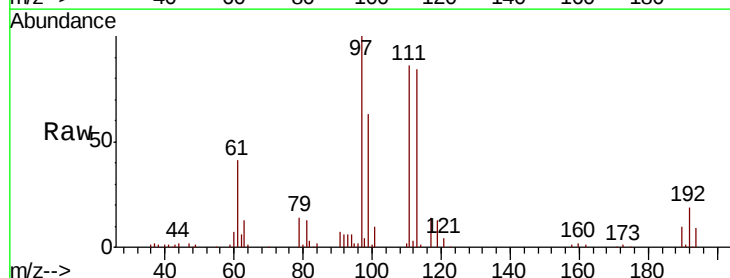
Tgt Ion: 97 Resp: 100731

Ion Ratio Lower Upper

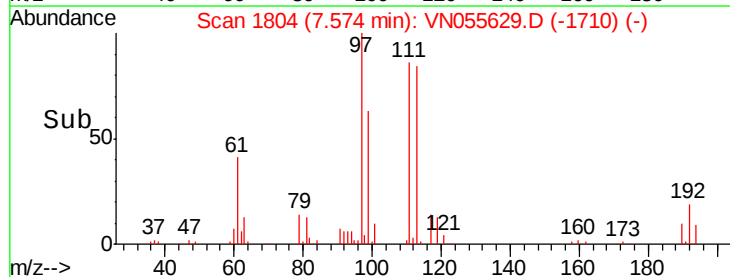
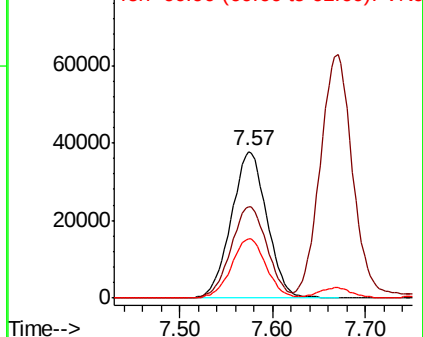
97 100

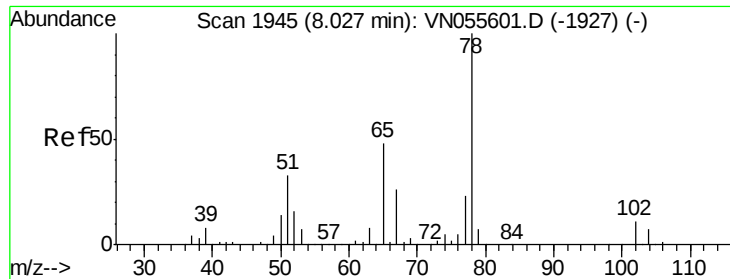
99 63.1 51.4 77.2

61 39.5 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

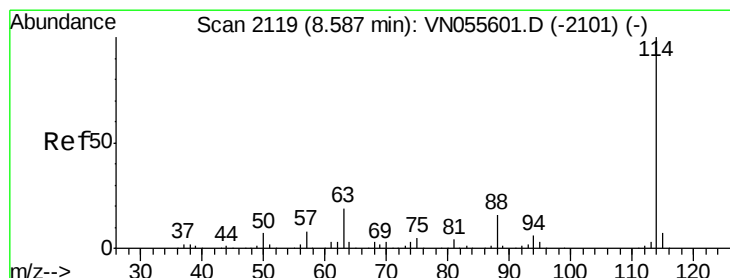
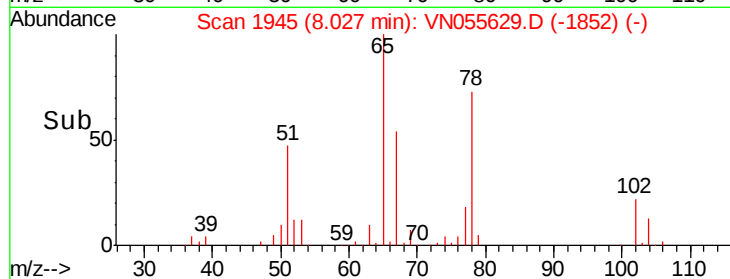
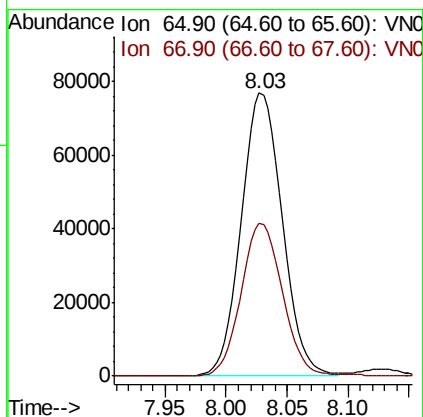
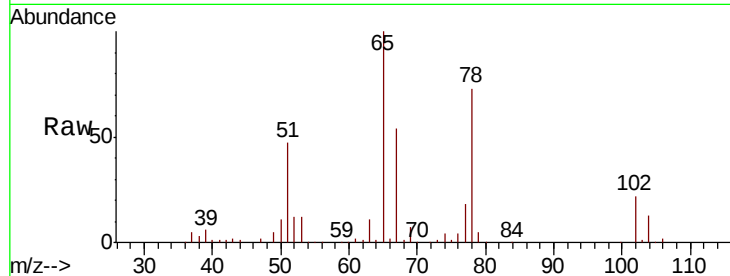




#33
 1,2-Dichloroethane-d4
 Concen: 50.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

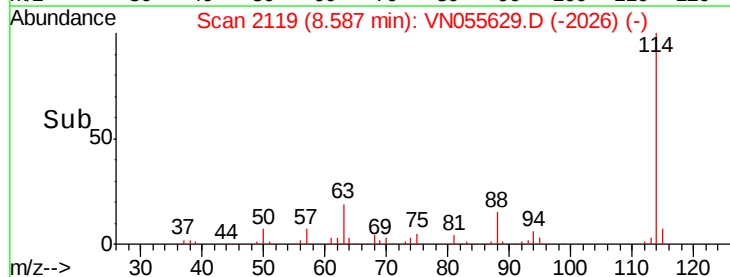
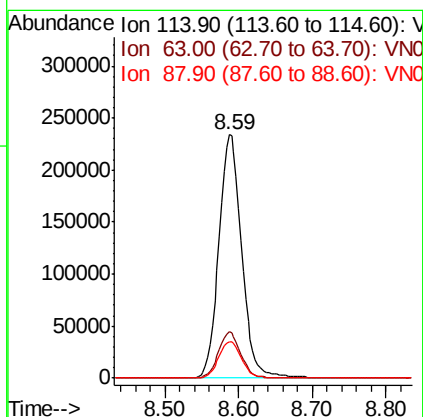
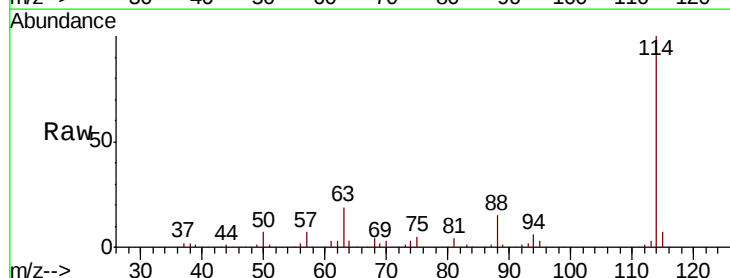
Instrument :
 MSVOA_N
 ClientSampled :

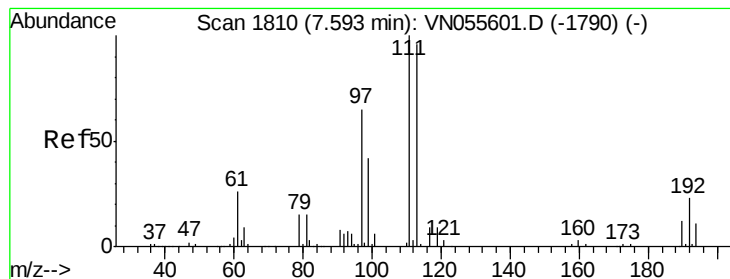
Tot Ion: 65 Resp: 179233
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 114 Resp: 502059
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.2
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :

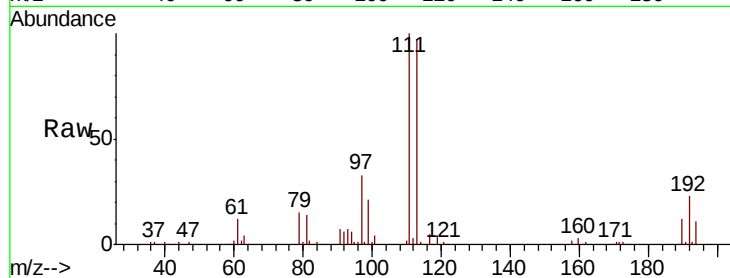
Tot Ion:113 Resp: 160306

Ion Ratio Lower Upper

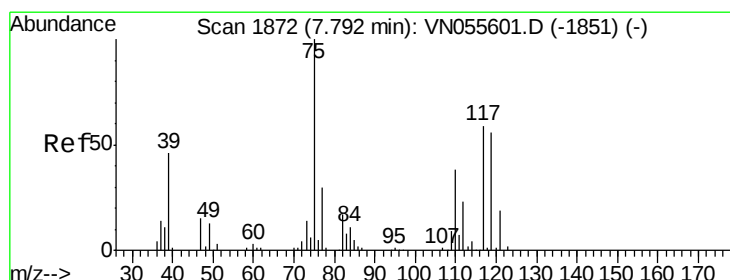
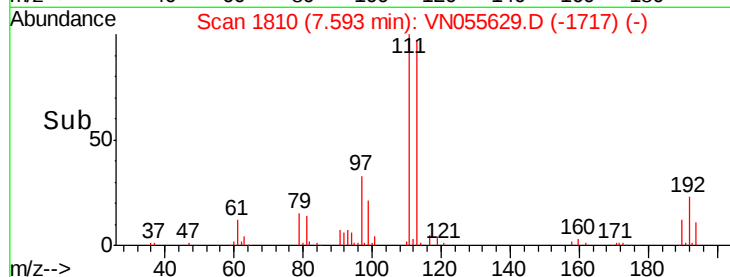
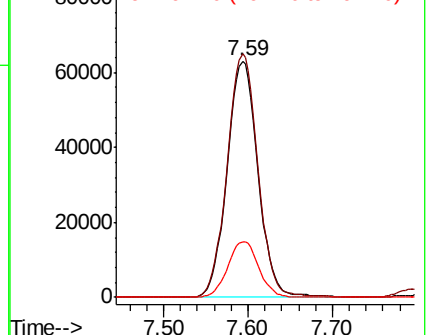
113 100

111 103.2 82.5 123.7

192 23.6 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.783 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

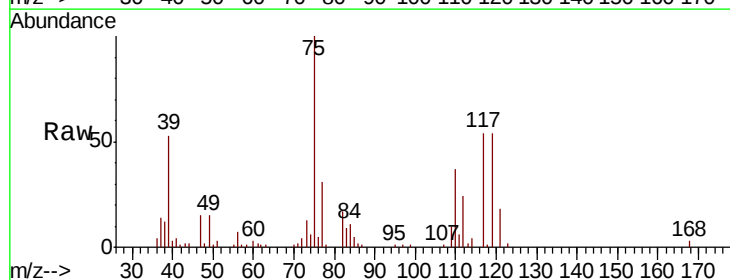
Tgt Ion: 75 Resp: 84077

Ion Ratio Lower Upper

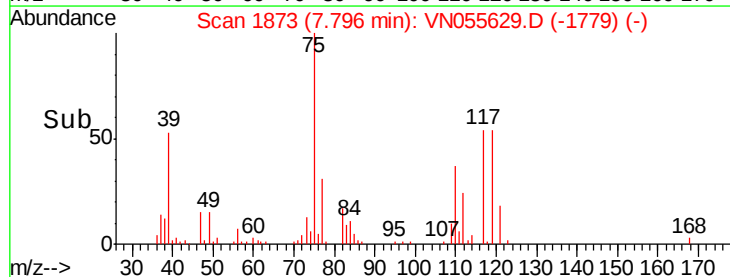
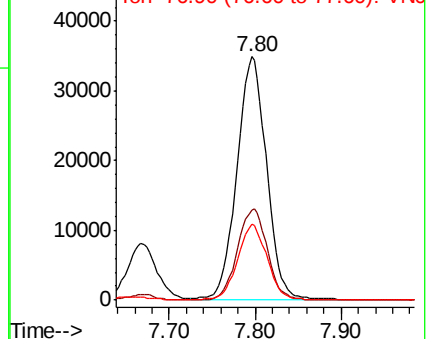
75 100

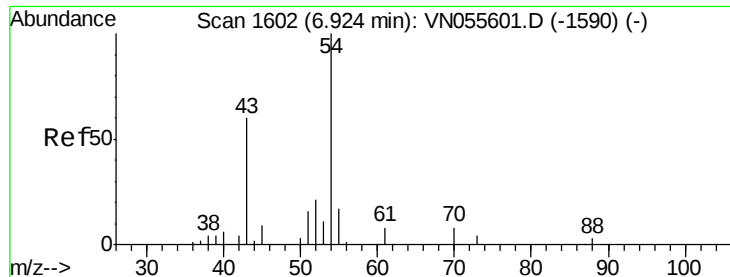
110 37.4 18.6 55.6

77 30.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

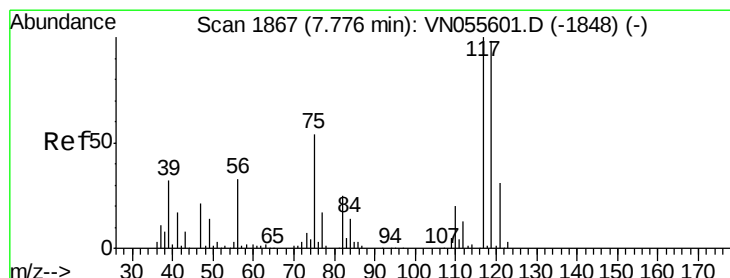
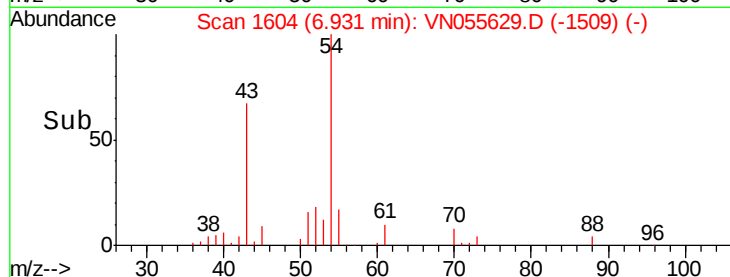
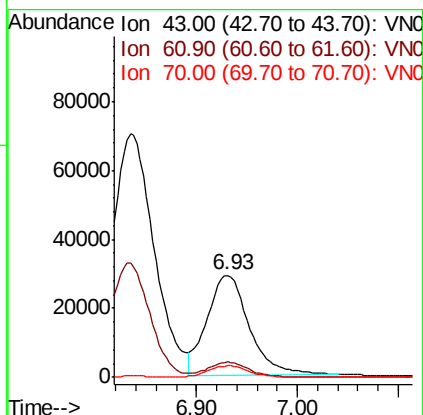
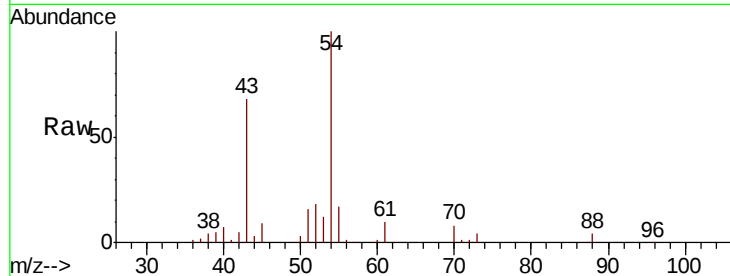




#37
Ethyl Acetate
Concen: 21.054 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

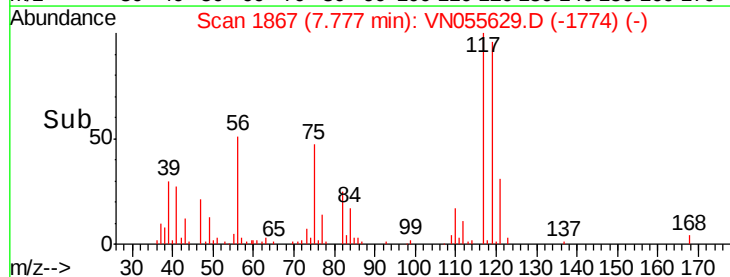
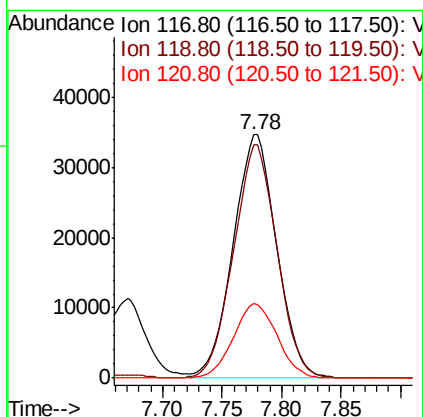
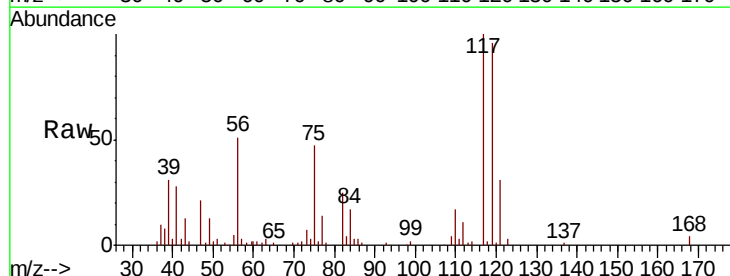
Instrument :
MSVOA_N
ClientSampled :

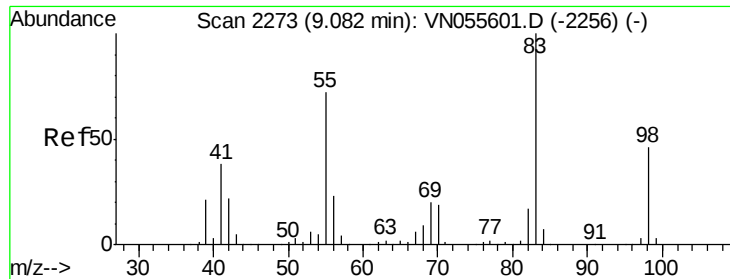
Tot Ion: 43 Resp: 85041
Ion Ratio Lower Upper
43 100
61 15.0 11.4 17.0
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.354 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 117 Resp: 87791
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.8
121 30.7 24.6 37.0

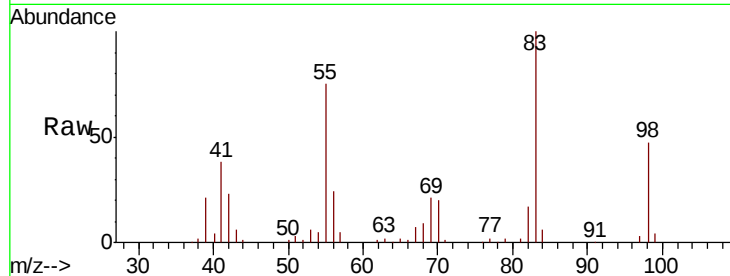




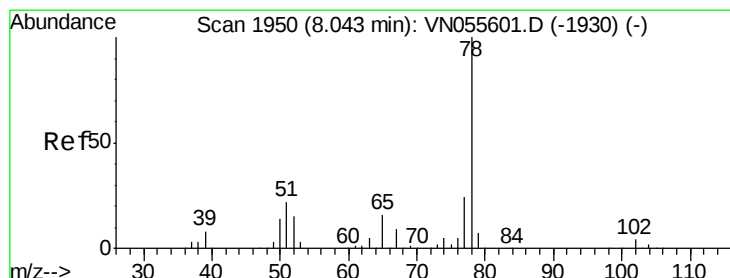
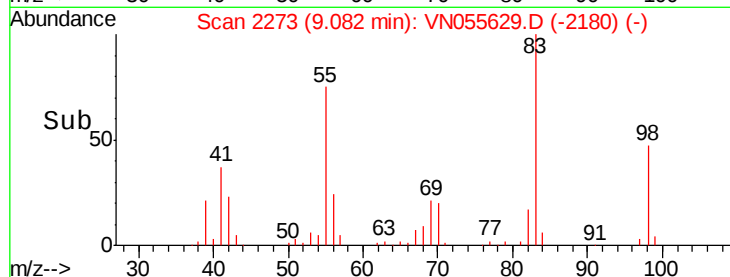
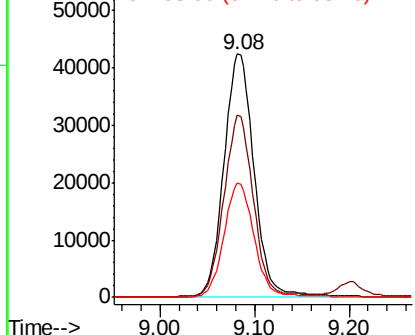
#39
Methvlcvclohexane
Concen: 17.478 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 94311
Ion Ratio Lower Upper
83 100
55 74.1 57.8 86.6
98 46.8 36.7 55.1

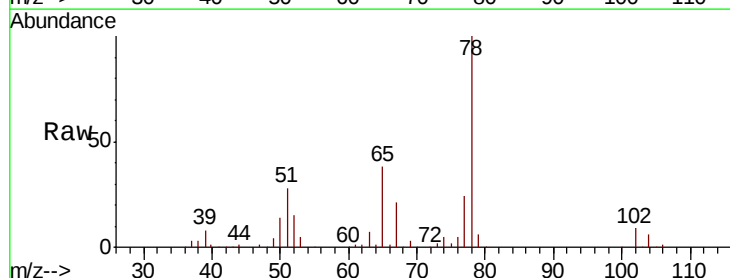


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

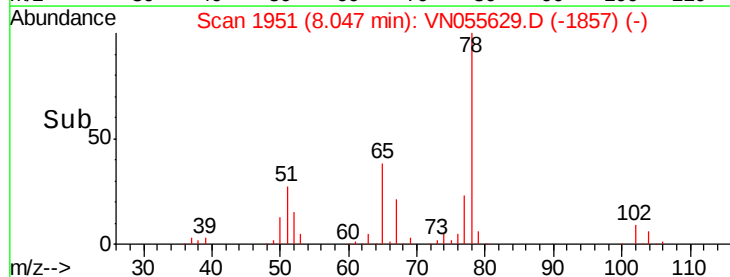
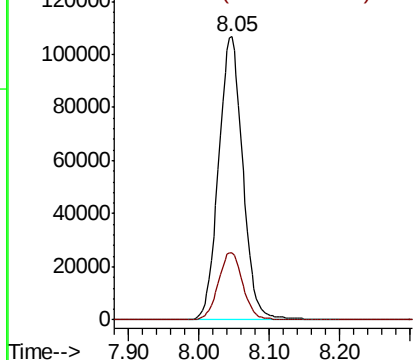


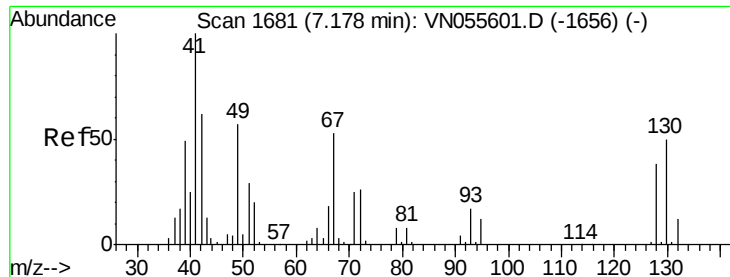
#40
Benzene
Concen: 19.395 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 78 Resp: 255347
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 69.862 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.03 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 120645

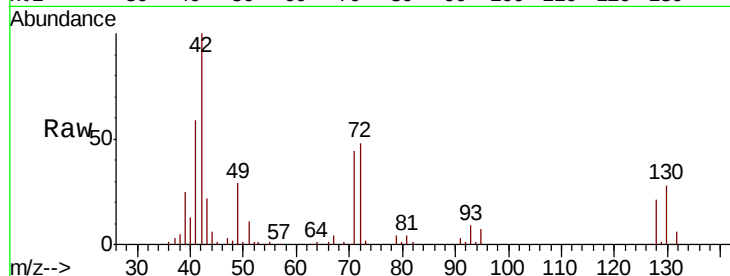
Ion Ratio Lower Upper

41 100

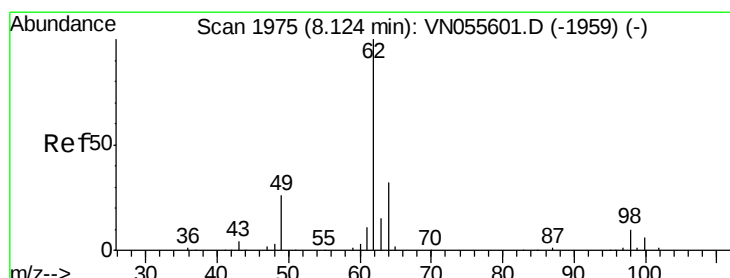
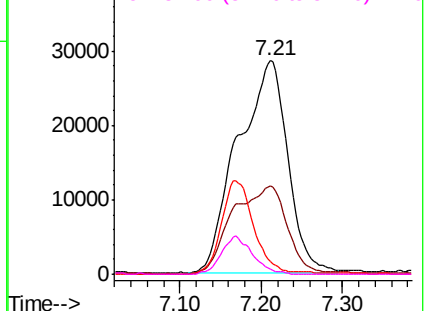
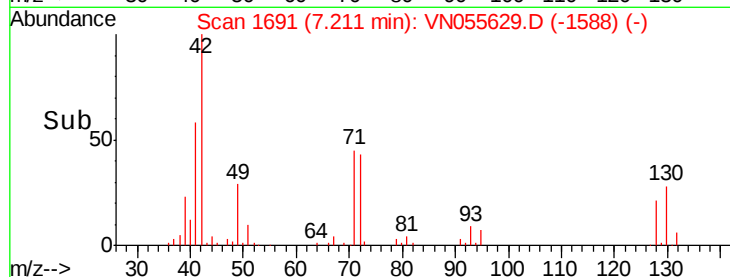
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



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



#42

1,2-Dichloroethane

Concen: 20.009 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055629.D

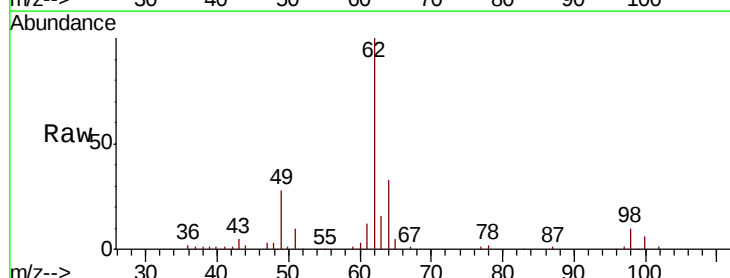
Acq: 17 May 2019 22:40

Tgt Ion: 62 Resp: 85304

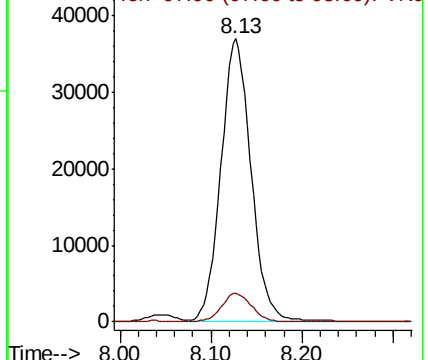
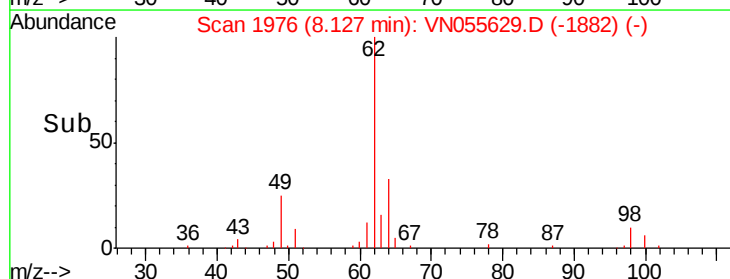
Ion Ratio Lower Upper

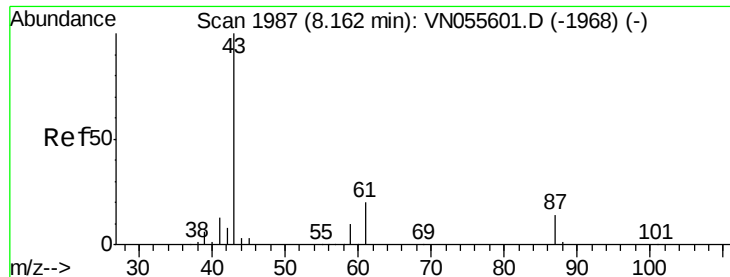
62 100

98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



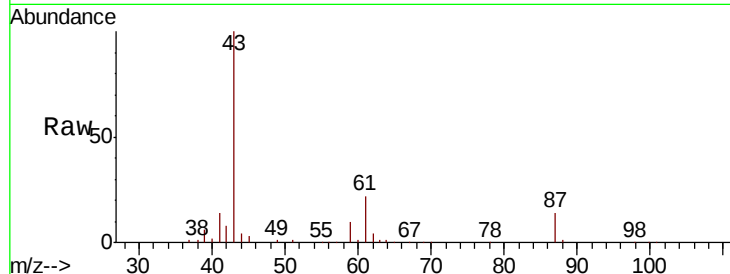


#43

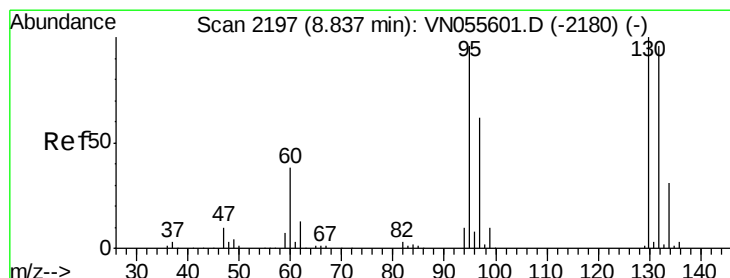
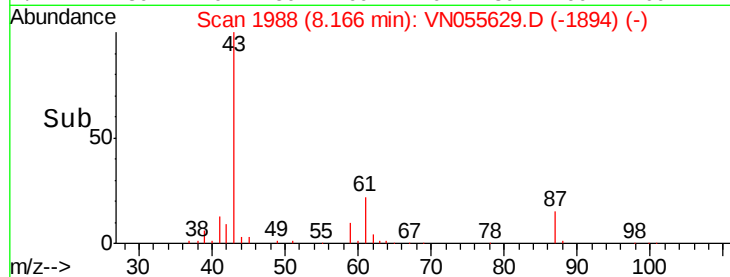
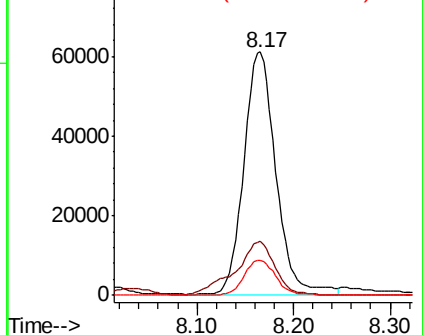
Isopropyl Acetate
 Concen: 19.952 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 140183
 Ion Ratio Lower Upper
 43 100
 61 27.0 22.1 33.1
 87 14.4 11.8 17.6



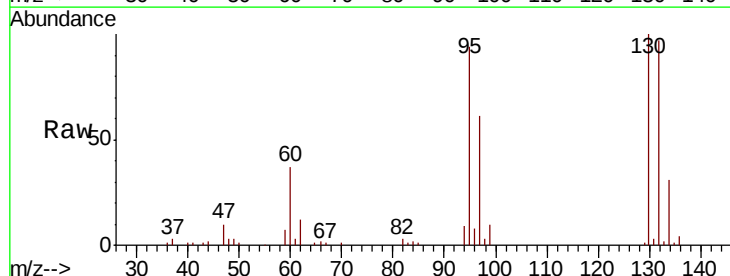
Abundance Ion 43.00 (42.70 to 43.70): VN055629.D (-2104) (-)
 Ion 61.00 (60.70 to 61.70): VN055629.D (-2104) (-)
 Ion 87.00 (86.70 to 87.70): VN055629.D (-2104) (-)



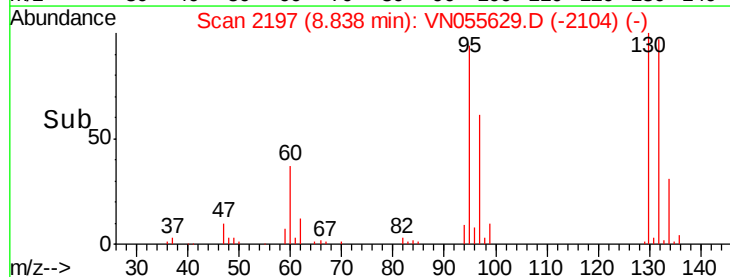
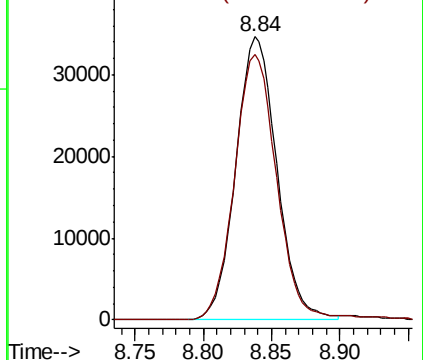
#44

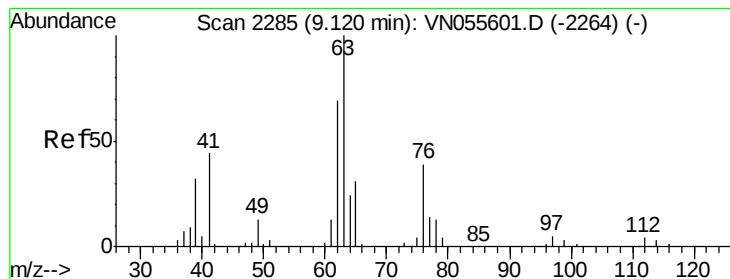
Trichloroethene
 Concen: 19.515 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion:130 Resp: 72499
 Ion Ratio Lower Upper
 130 100
 95 93.8 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055629.D (-2104) (-)
 Ion 94.90 (94.60 to 95.60): VN055629.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 19.616 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

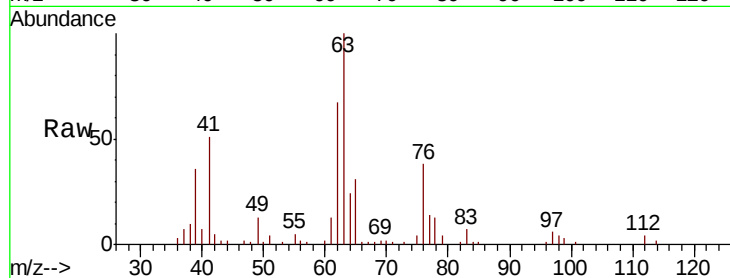
ClientSampleId :

Tot Ion: 63 Resp: 68035

Ion Ratio Lower Upper

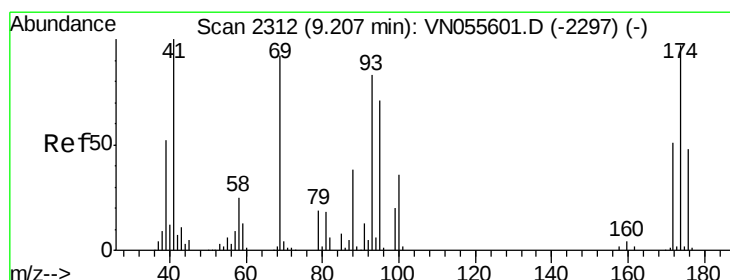
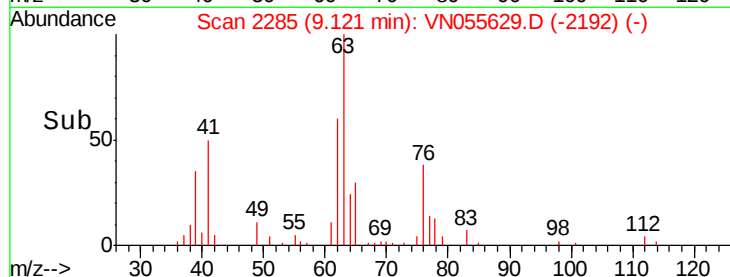
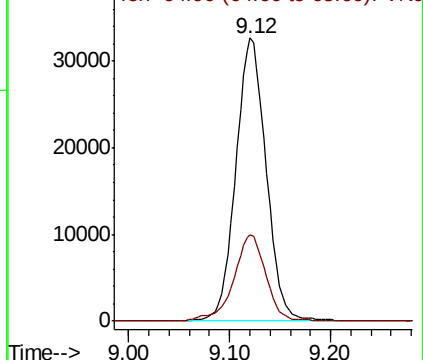
63 100

65 30.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.480 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

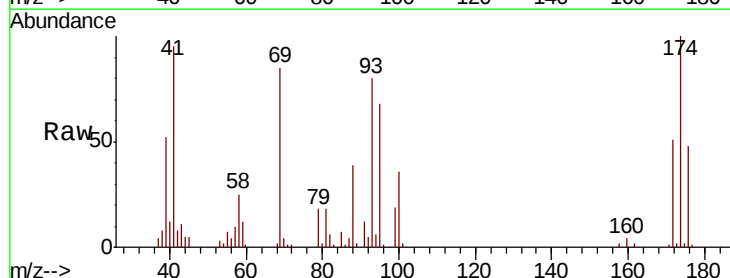
Tgt Ion: 93 Resp: 44221

Ion Ratio Lower Upper

93 100

95 85.3 67.9 101.9

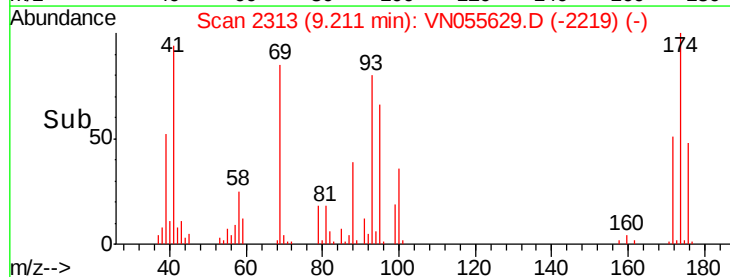
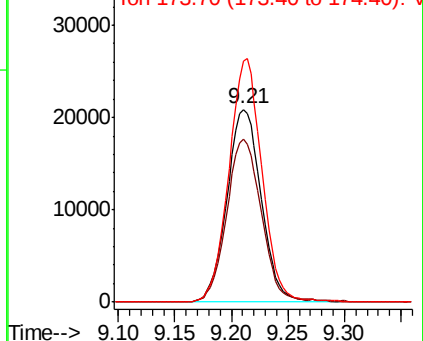
174 121.4 93.8 140.6

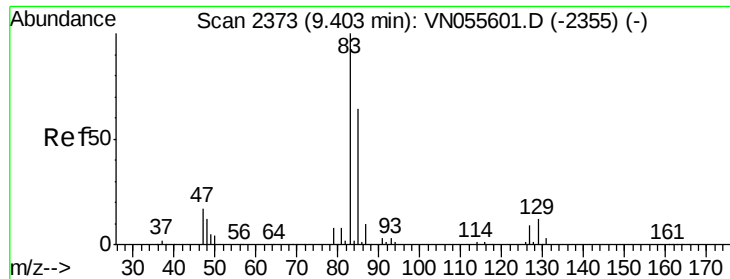


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

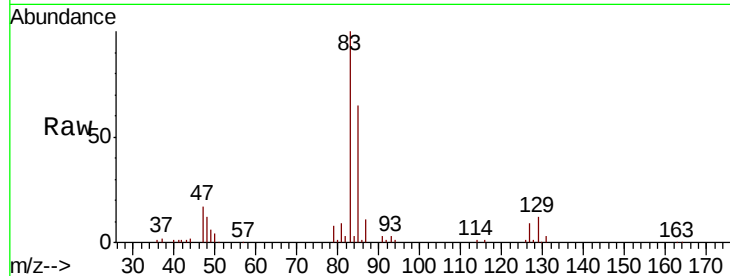




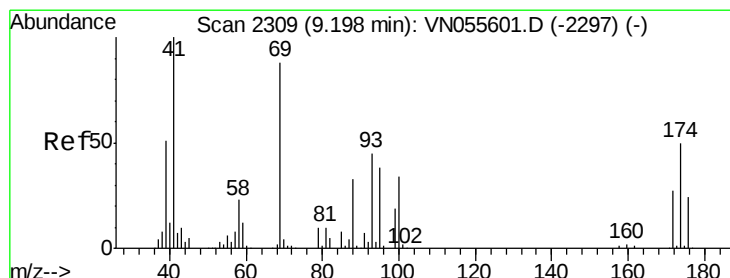
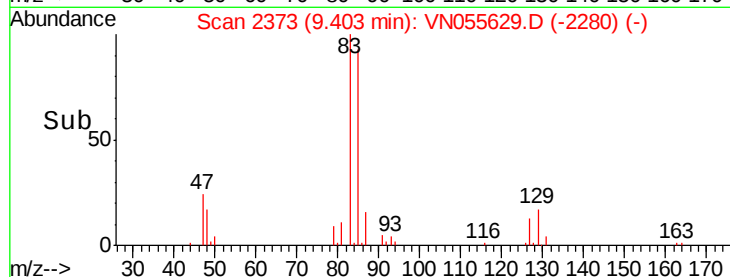
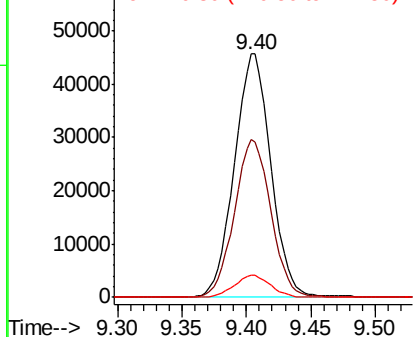
#47
Bromodichloromethane
Concen: 18.916 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 89995
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.0
127 9.0 7.1 10.7

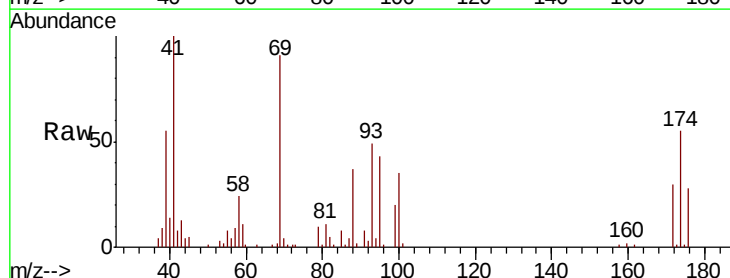


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

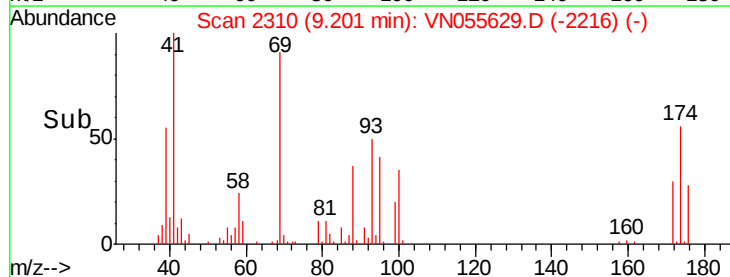
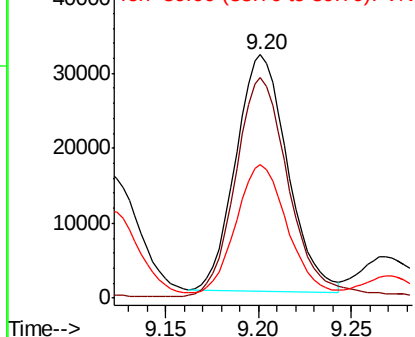


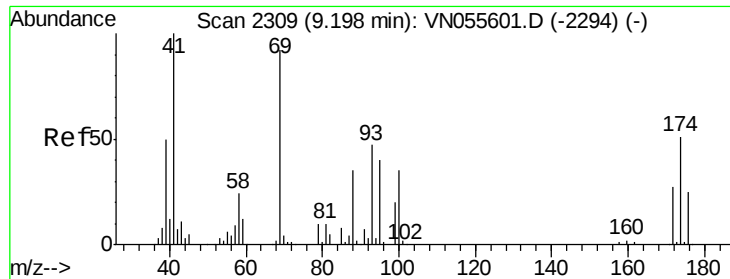
#48
Methyl methacrylate
Concen: 19.579 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 41 Resp: 61486
Ion Ratio Lower Upper
41 100
69 96.7 74.2 111.2
39 56.8 43.8 65.8



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

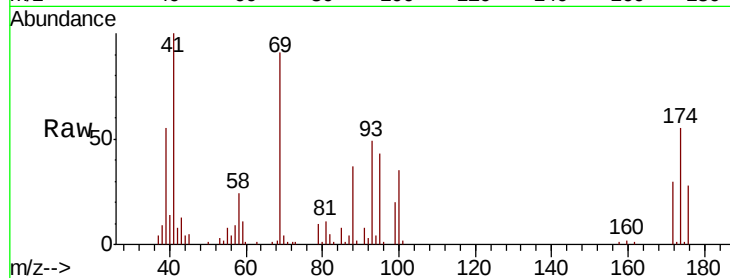




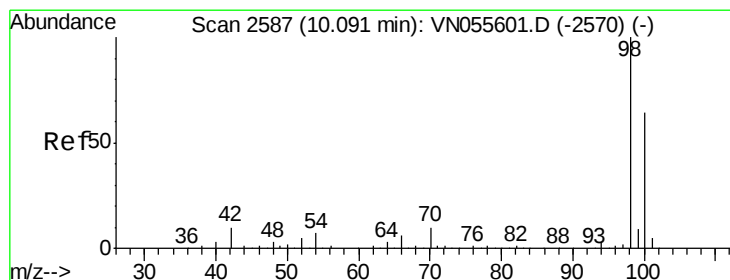
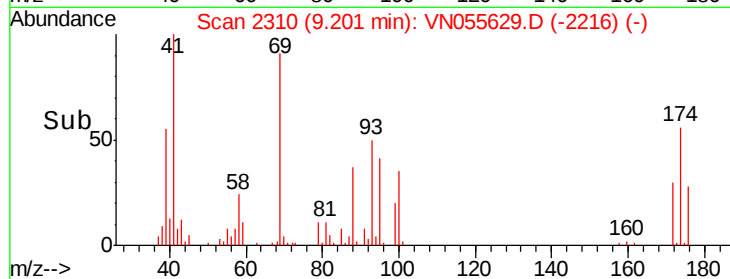
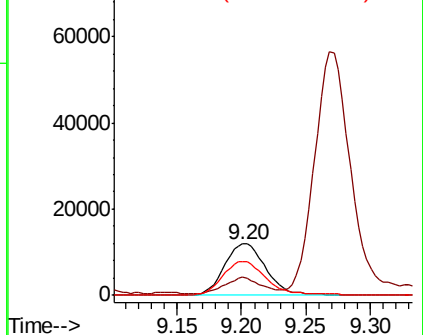
#49
1,4-Dioxane
Concen: 426.726 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 26629
Ion Ratio Lower Upper
88 100
43 27.6 22.4 33.6
58 67.7 53.4 80.2

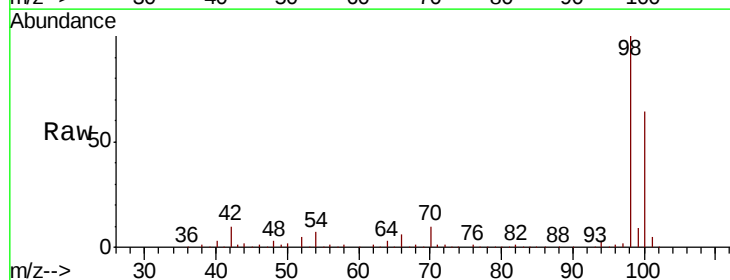


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

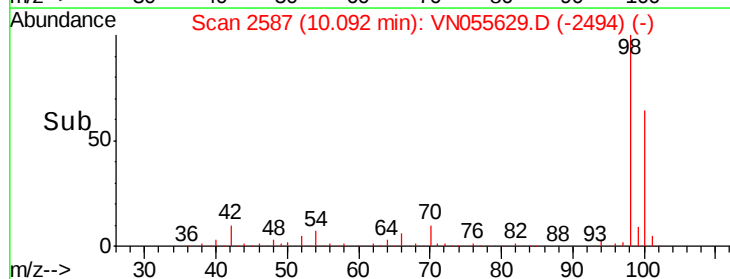
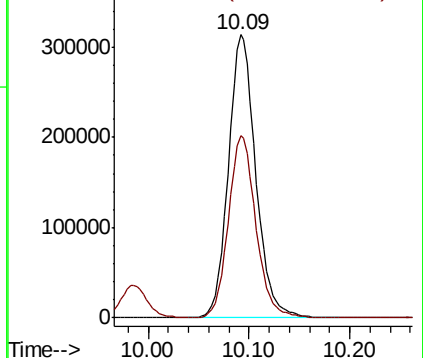


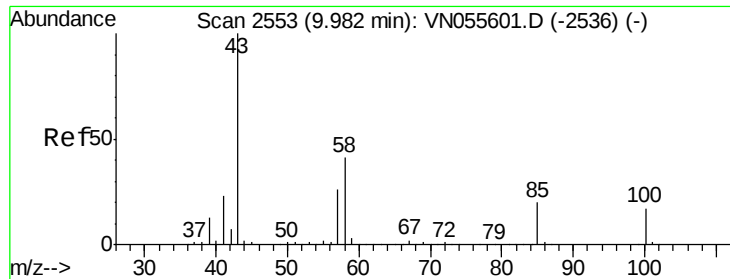
#50
Toluene-d8
Concen: 49.087 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 98 Resp: 591948
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



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: 99.252 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

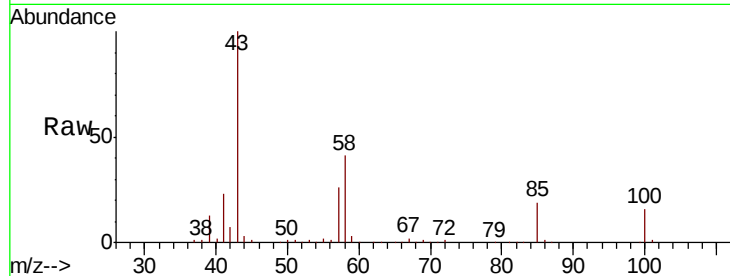
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 409059

Ion Ratio Lower Upper

43 100

58 41.6 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

250000

200000

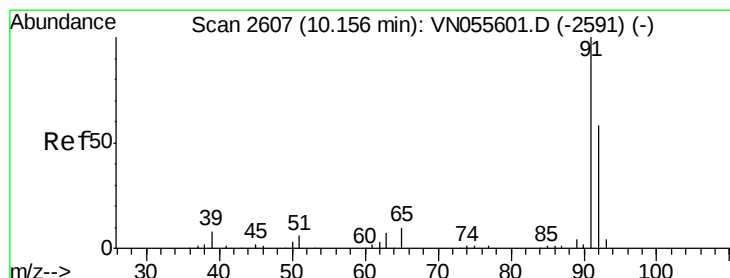
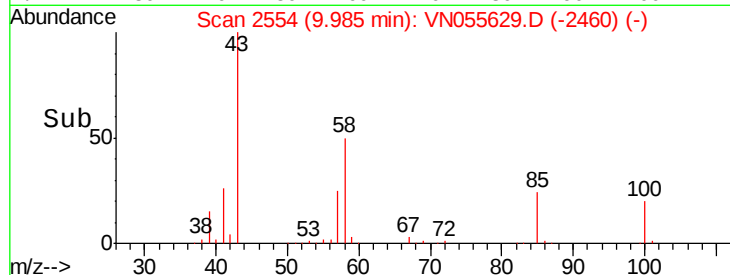
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.226 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN055629.D

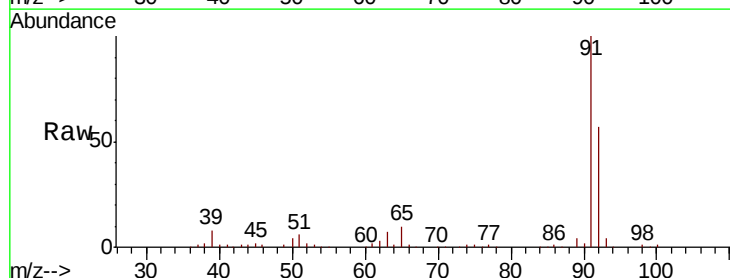
Acq: 17 May 2019 22:40

Tgt Ion: 92 Resp: 158763

Ion Ratio Lower Upper

92 100

91 174.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

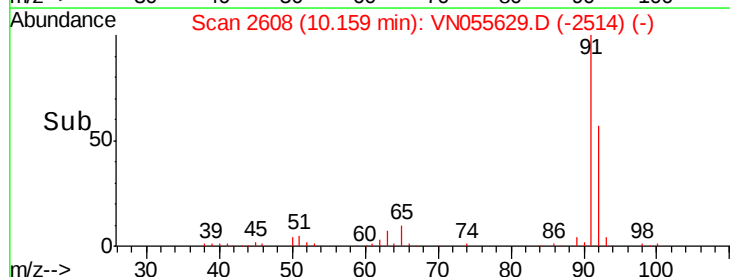
150000

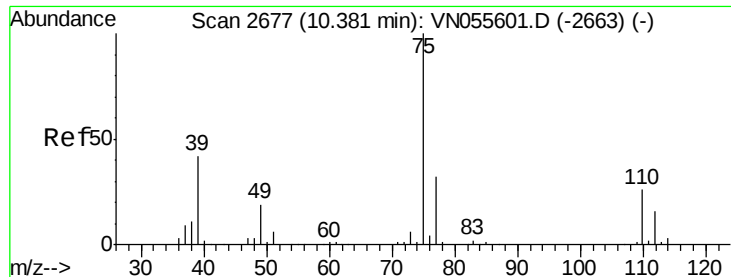
100000

50000

0

Time-->

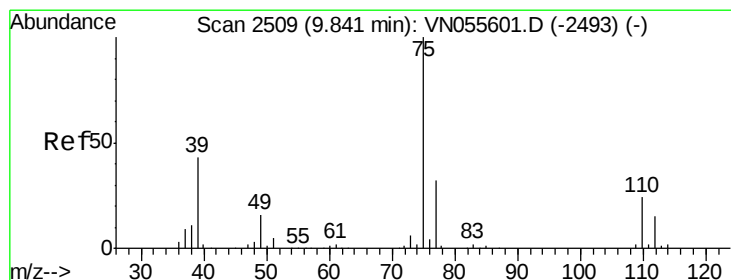
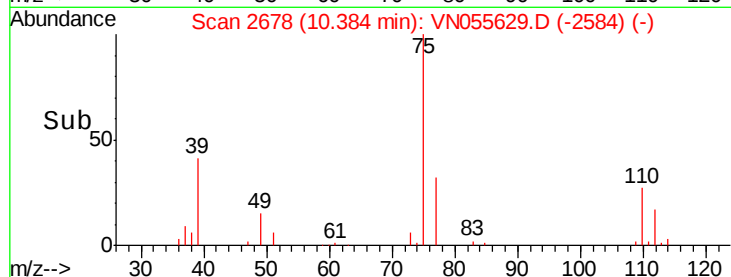
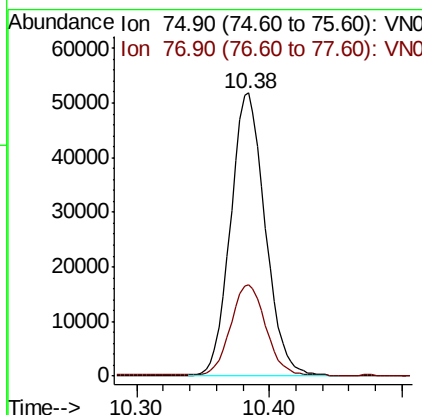
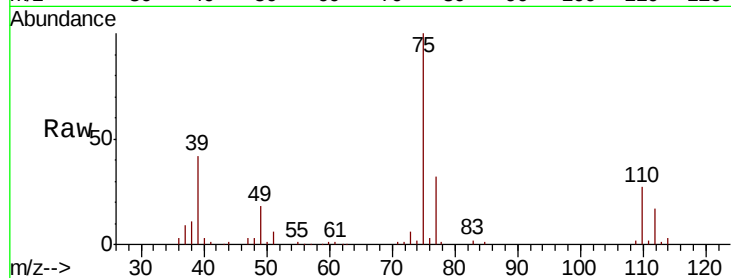




#53
t-1,3-Dichloropropene
Concen: 18.387 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

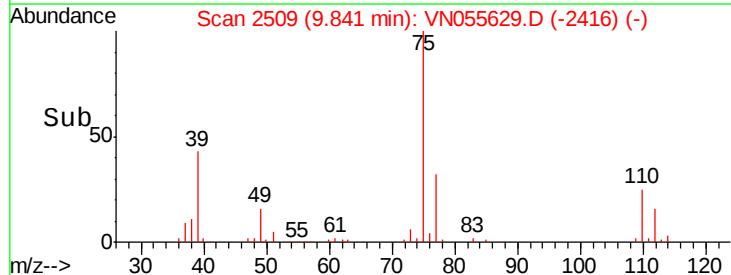
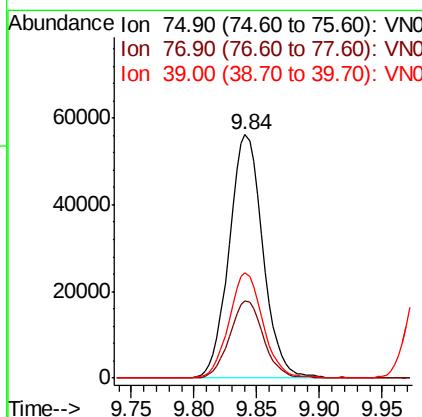
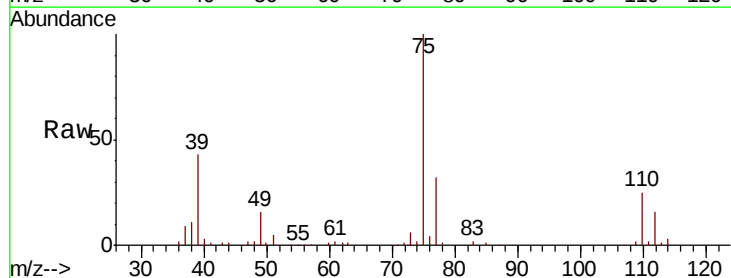
Instrument :
MSVOA_N
ClientSampleId :

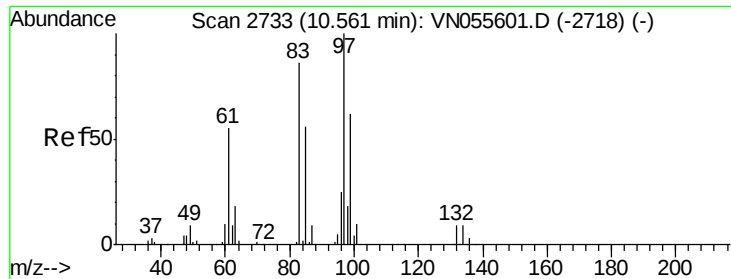
Tot Ion: 75 Resp: 94151
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.735 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 75 Resp: 105097
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
39 42.8 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 19.393 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 65929

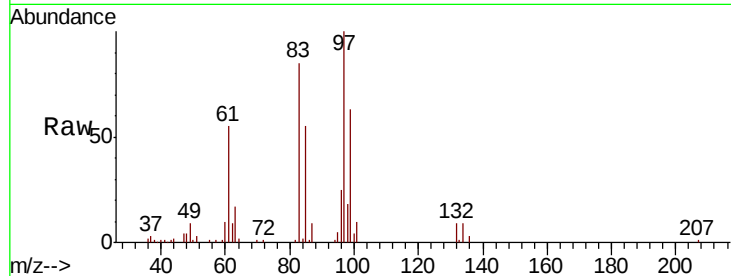
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.4	102.6
85	55.4	44.8	67.2
99	62.8	49.9	74.9

97 100

83 84.9 68.4 102.6

85 55.4 44.8 67.2

99 62.8 49.9 74.9



Abundance

Ion 96.90 (96.60 to 97.60): VNO

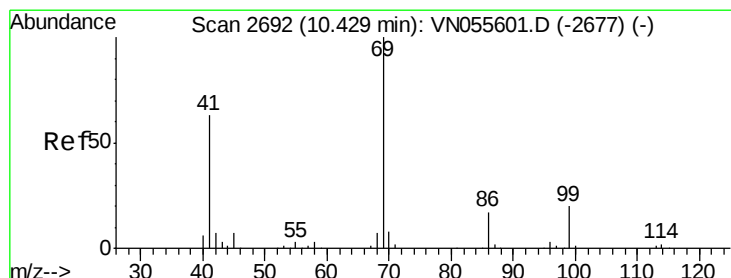
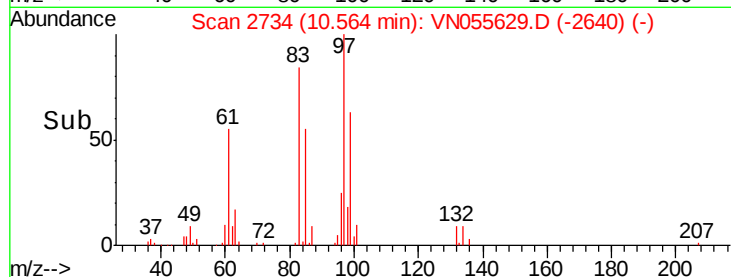
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

Time-->



#56

Ethyl methacrylate

Concen: 19.032 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

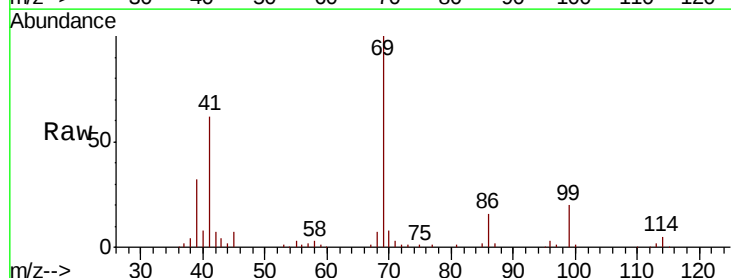
Tgt Ion: 69 Resp: 101001

Ion	Ratio	Lower	Upper
69	100		
41	60.6	50.3	75.5
39	31.8	25.4	38.2

69 100

41 60.6 50.3 75.5

39 31.8 25.4 38.2



Abundance

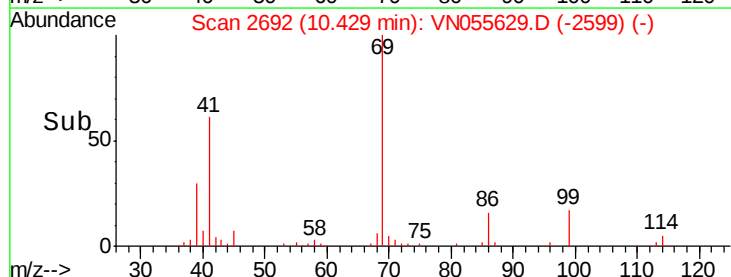
Ion 69.00 (68.70 to 69.70): VNO

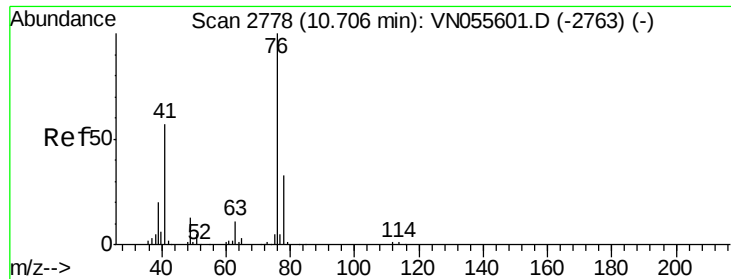
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

Time-->

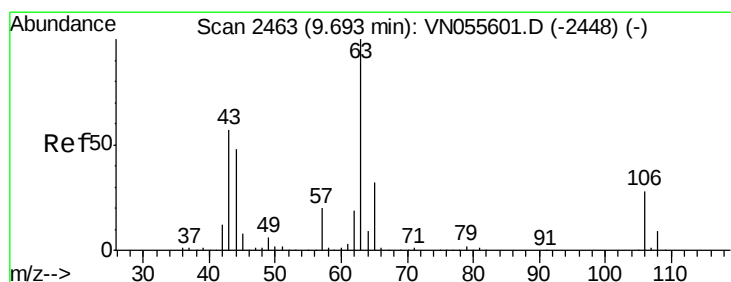
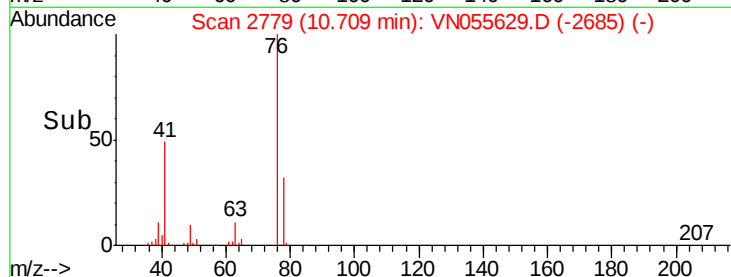
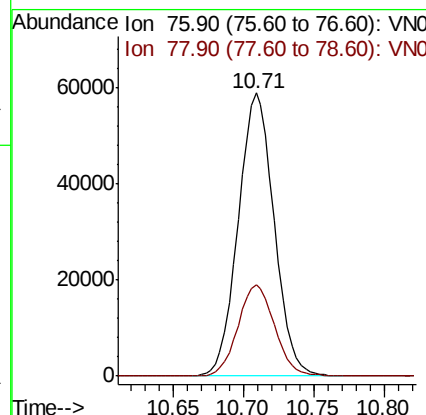
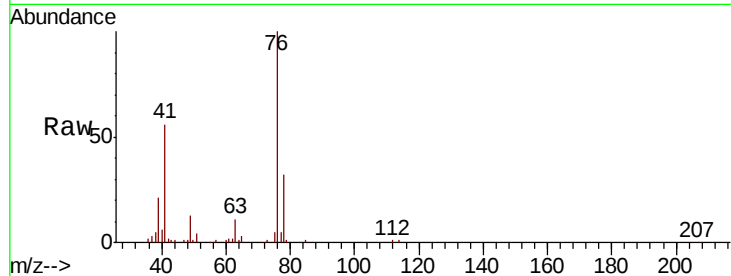




#57
 1,3-Dichloropropane
 Concen: 19.517 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

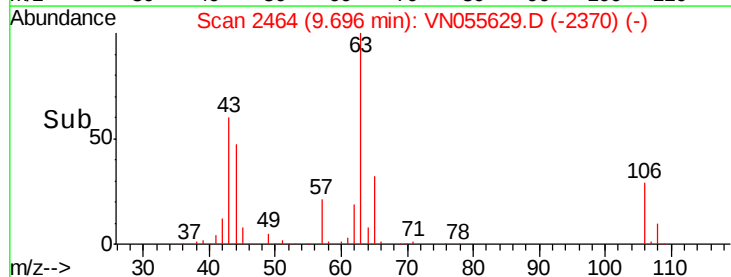
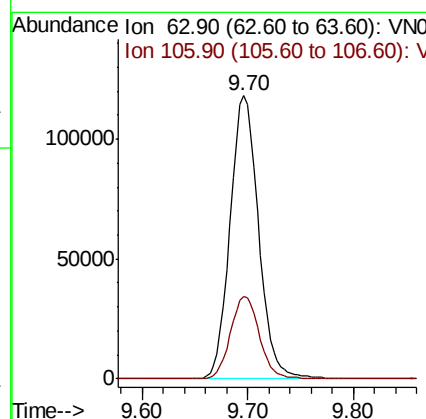
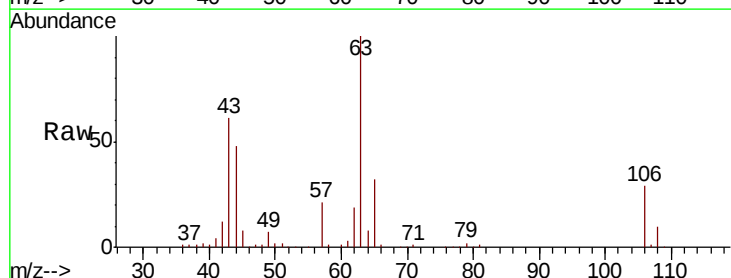
Instrument :
 MSVOA_N
 ClientSampled :

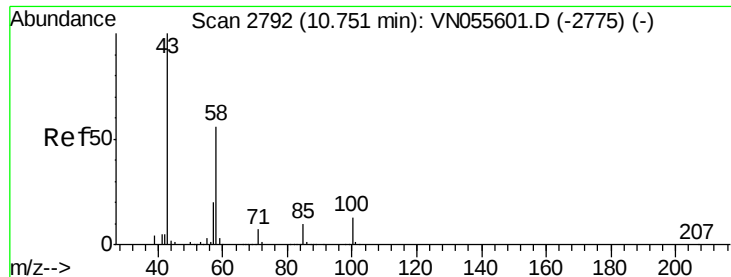
Tot Ion: 76 Resp: 105084
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.845 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 63 Resp: 220630
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.0 34.6

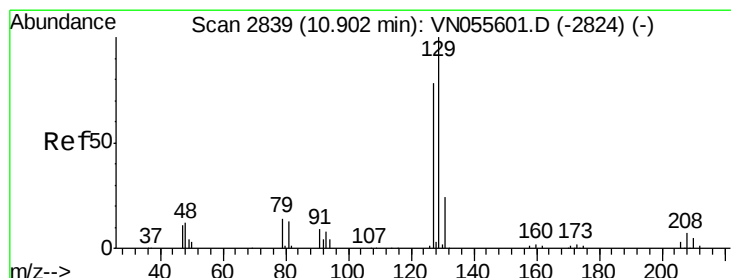
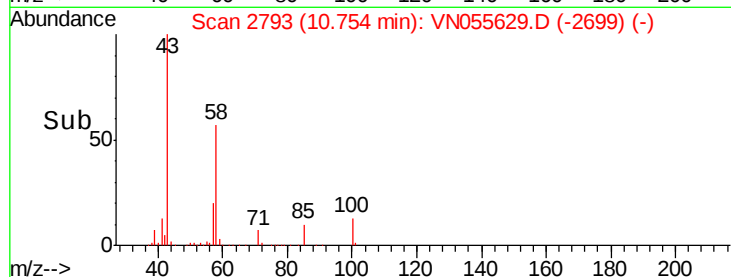
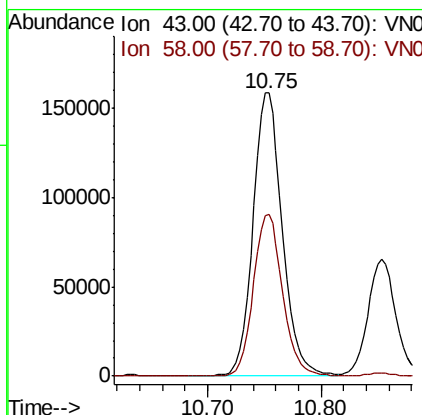
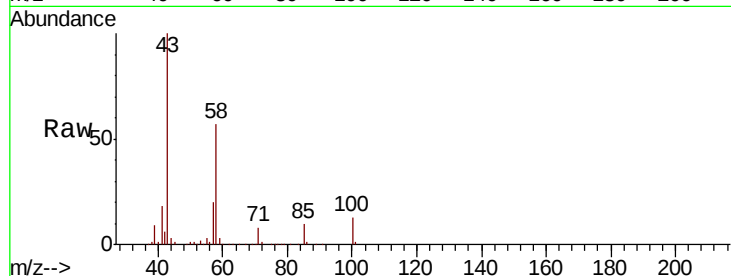




#59
2-Hexanone
Concen: 97.744 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

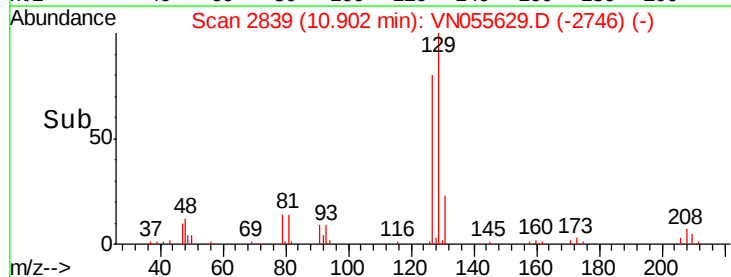
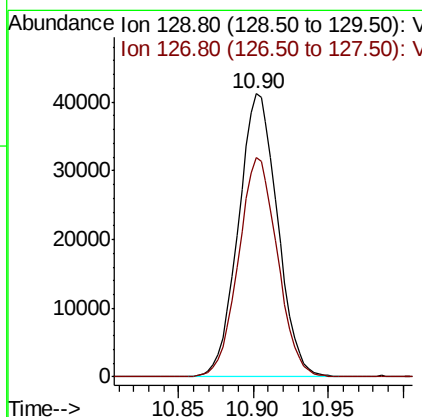
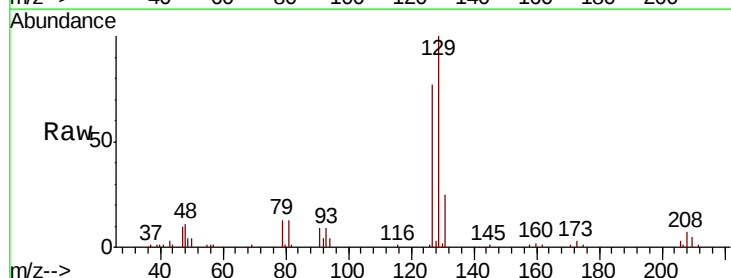
Instrument :
MSVOA_N
ClientSampleId :

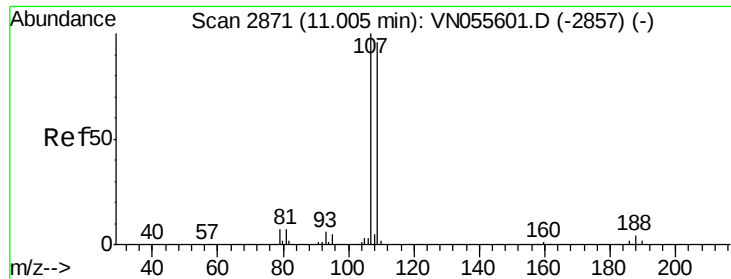
Tot Ion: 43 Resp: 283622
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.4



#60
Dibromochloromethane
Concen: 19.457 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 129 Resp: 74966
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.784 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

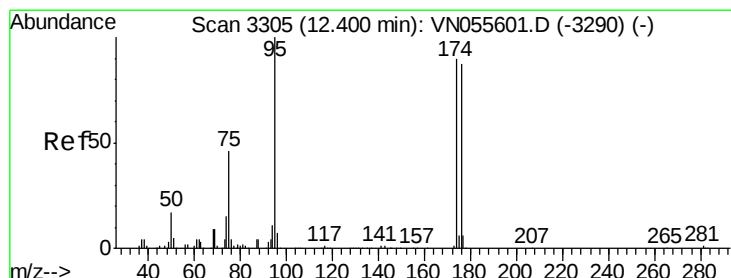
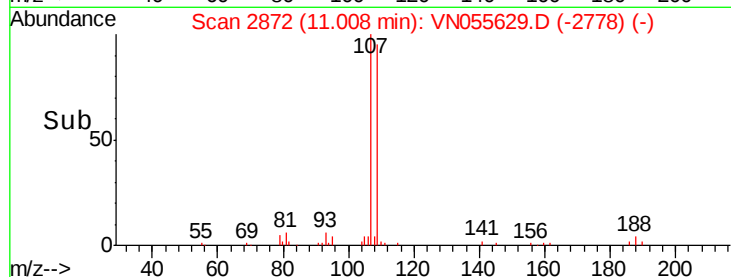
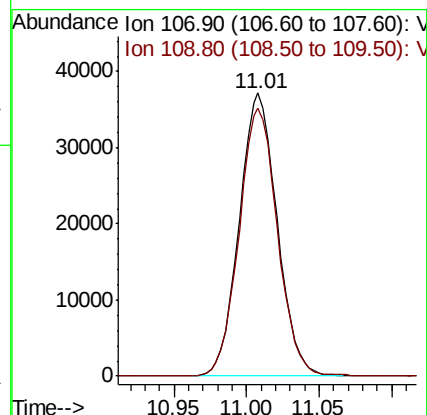
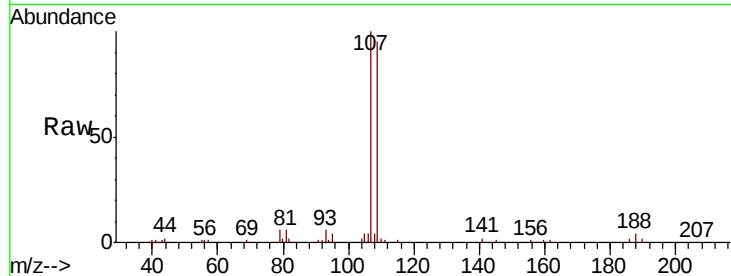
ClientSampleId :

Tot Ion:107 Resp: 67295

Ion Ratio Lower Upper

107 100

109 96.0 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 48.763 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

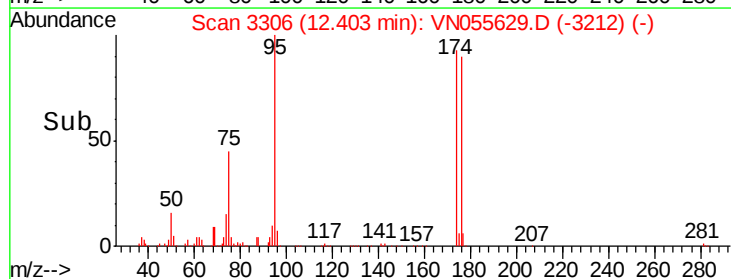
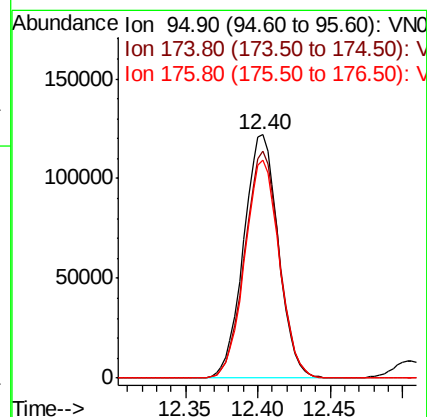
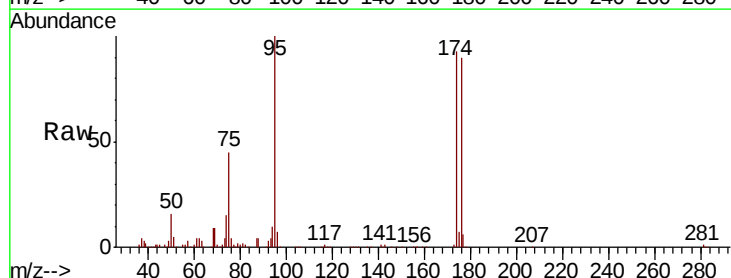
Tgt Ion: 95 Resp: 203058

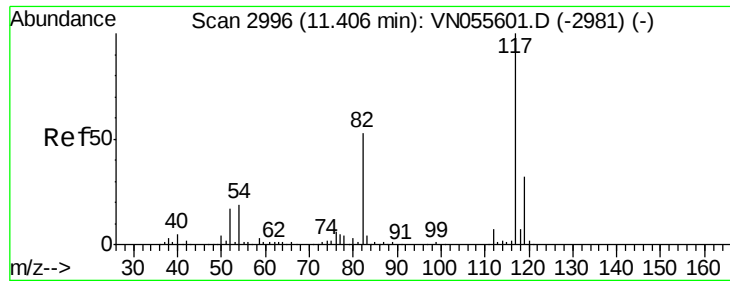
Ion Ratio Lower Upper

95 100

174 92.8 0.0 180.6

176 89.2 0.0 177.4

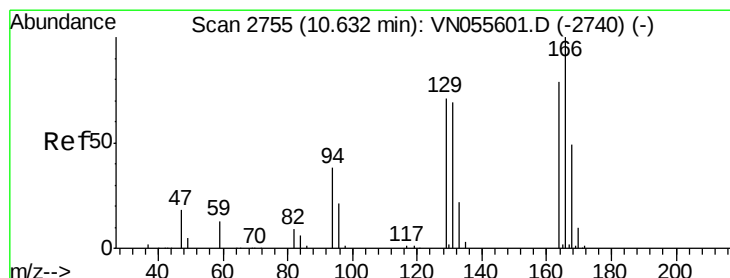
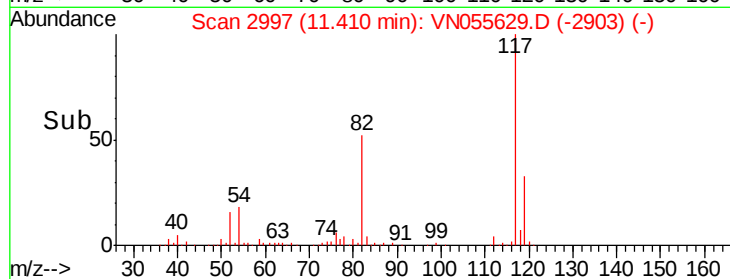
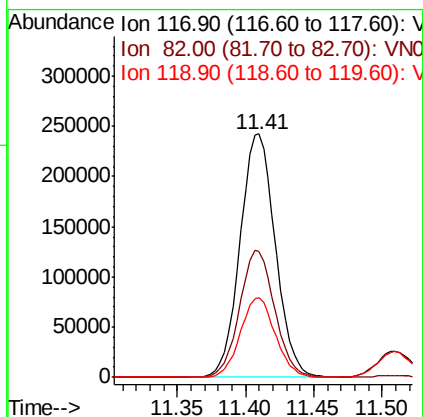
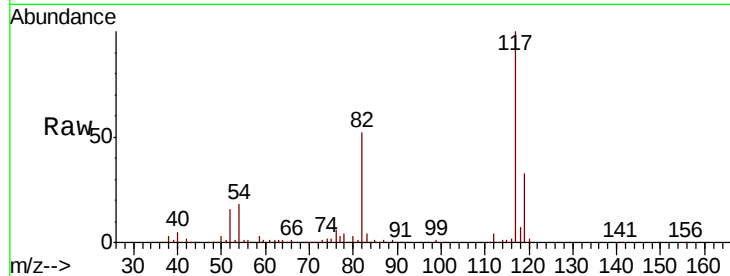




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

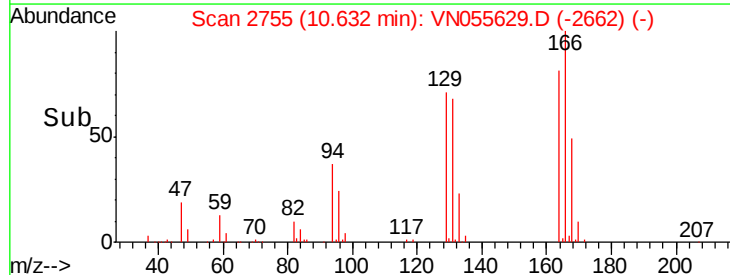
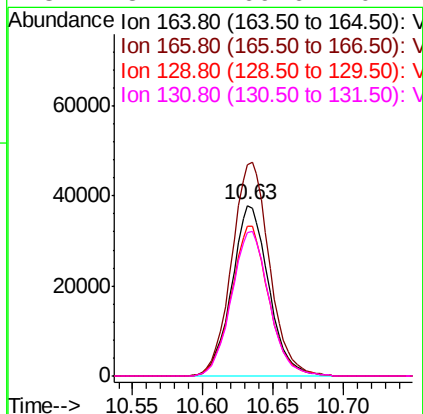
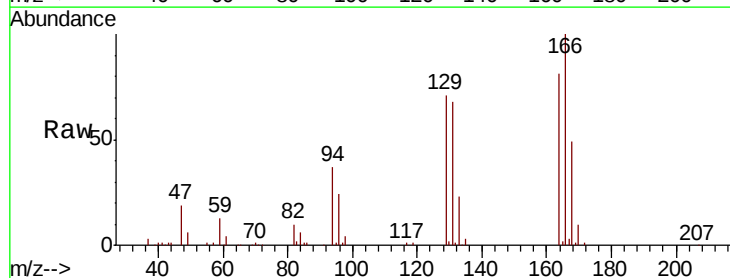
Instrument :
MSVOA_N
ClientSampleId :

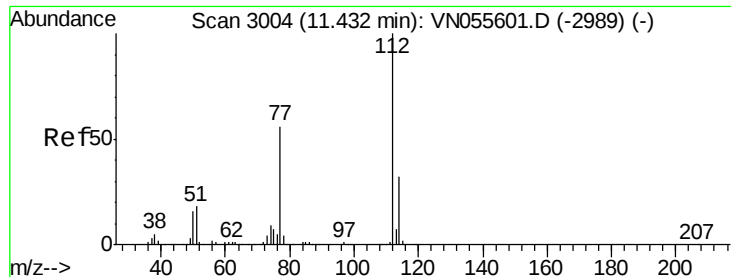
Tot Ion:117 Resp: 434998
Ion Ratio Lower Upper
117 100
82 51.7 42.3 63.5
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.173 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:164 Resp: 69214
Ion Ratio Lower Upper
164 100
166 123.7 101.0 151.6
129 87.9 71.7 107.5
131 84.1 69.6 104.4

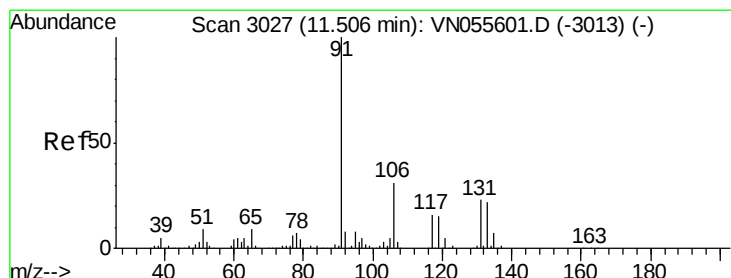
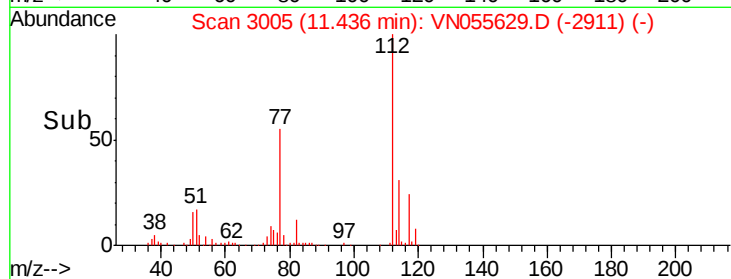
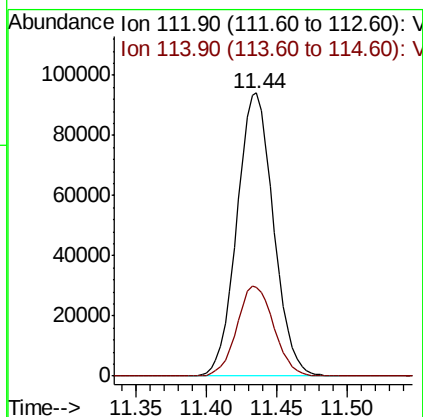
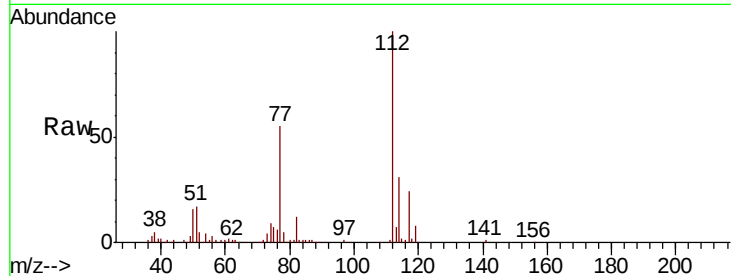




#65
Chlorobenzene
Concen: 19.427 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

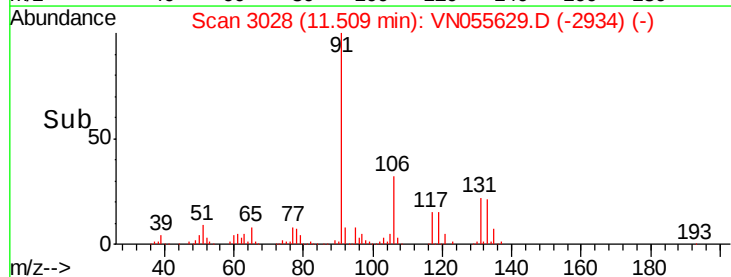
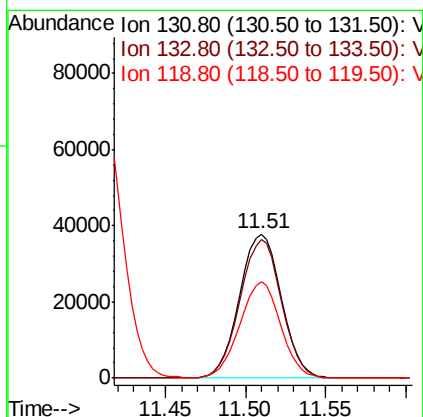
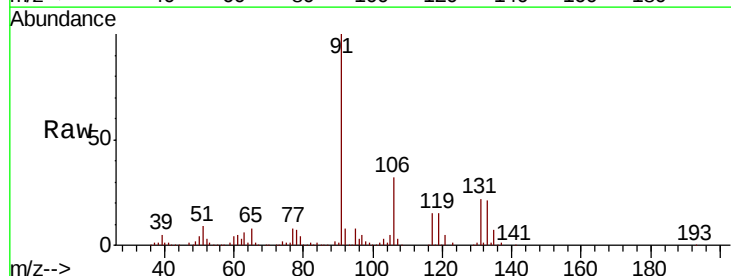
Instrument :
MSVOA_N
ClientSampled :

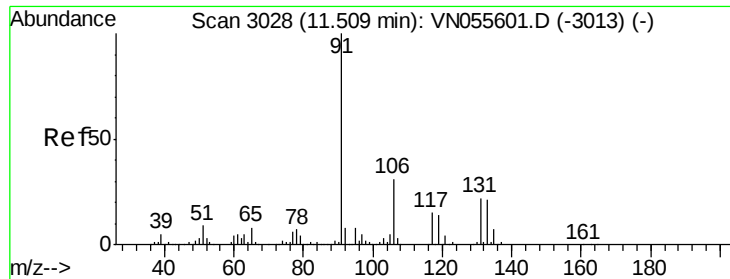
Tot Ion:112 Resp: 170929
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:131 Resp: 67579
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.4
119 65.5 33.3 99.8

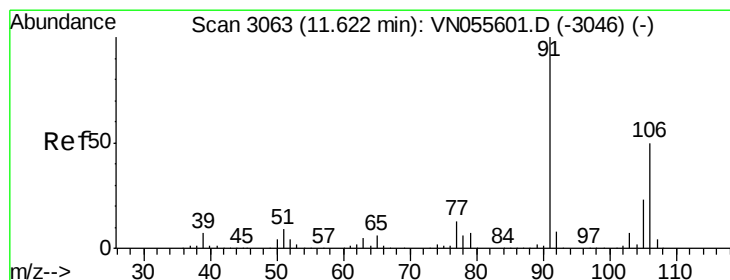
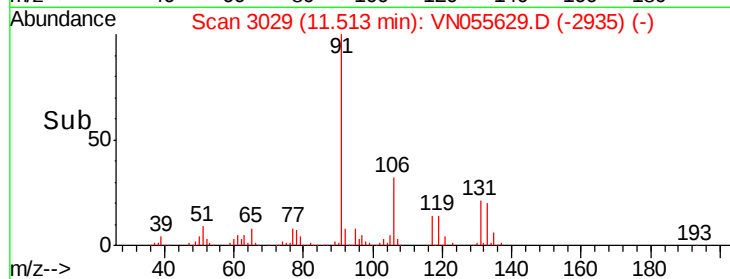
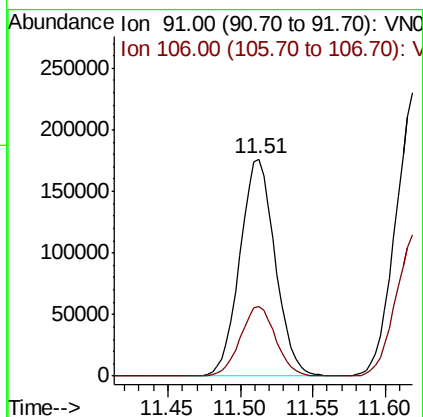
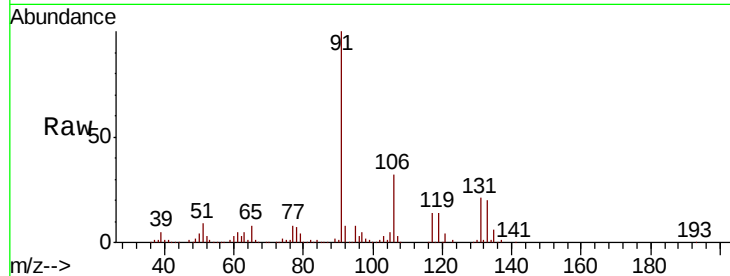




#67
Ethyl Benzene
Concen: 19.024 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

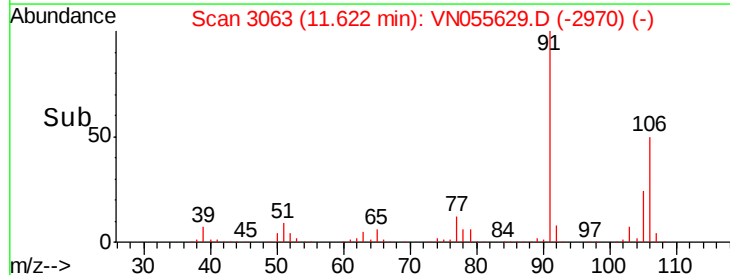
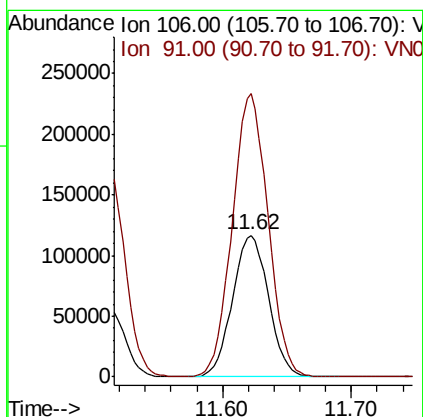
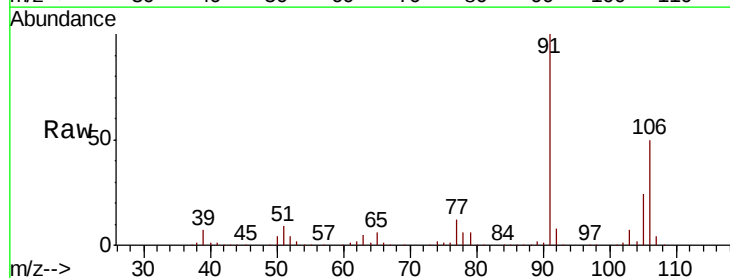
Instrument :
MSVOA_N
ClientSampled :

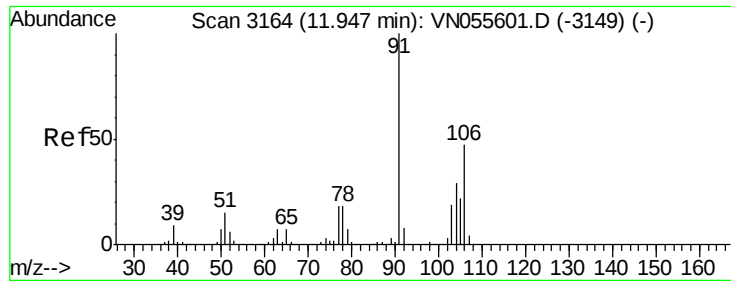
Tot Ion: 91 Resp: 298168
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8



#68
m/p-Xylenes
Concen: 38.195 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 106 Resp: 226071
Ion Ratio Lower Upper
106 100
91 198.5 160.5 240.7

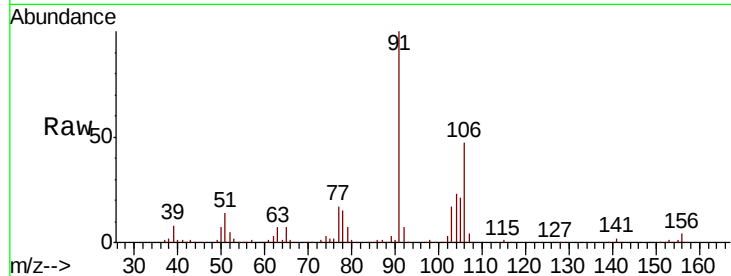




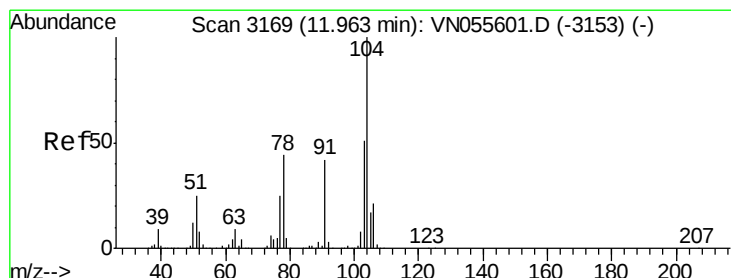
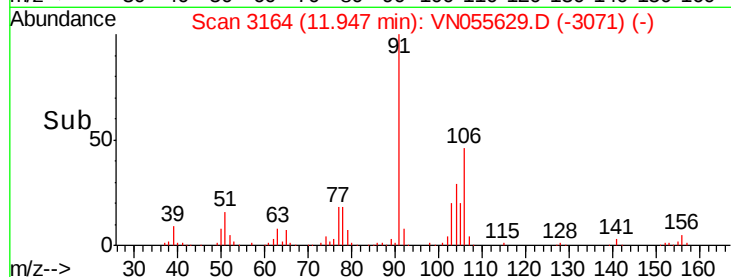
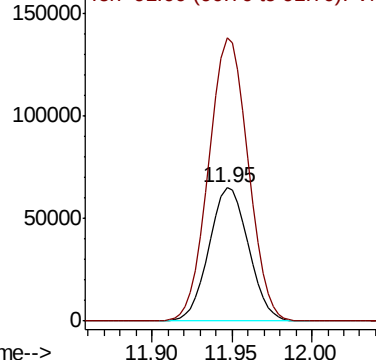
#69
o-Xylene
Concen: 18.912 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 109485
Ion Ratio Lower Upper
106 100
91 213.0 106.7 320.2

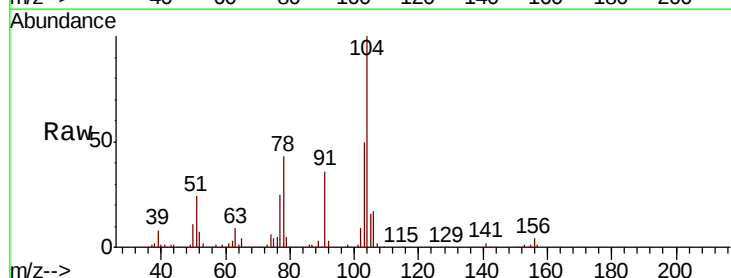


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

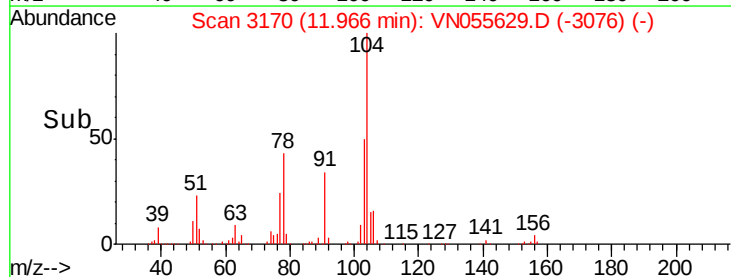
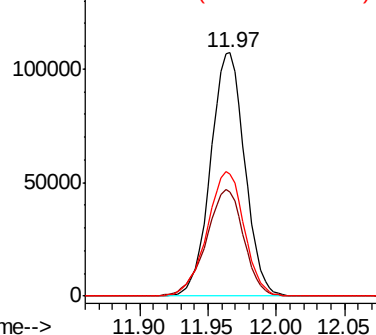


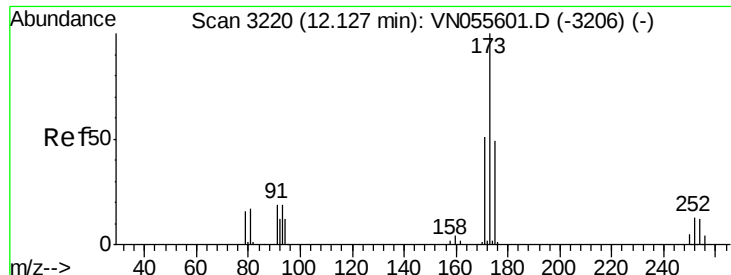
#70
Styrene
Concen: 19.353 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:104 Resp: 186285
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 55.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.312 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

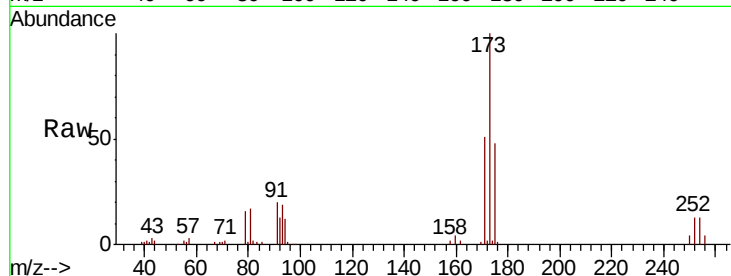
Tot Ion:173 Resp: 57929

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.9

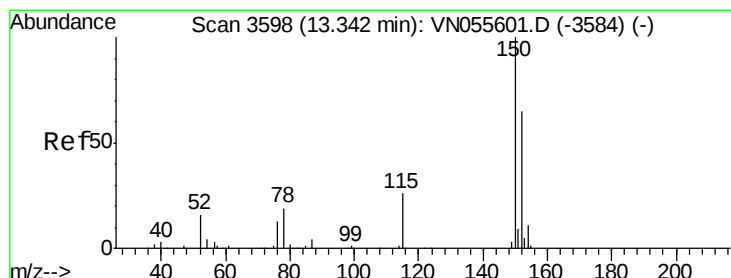
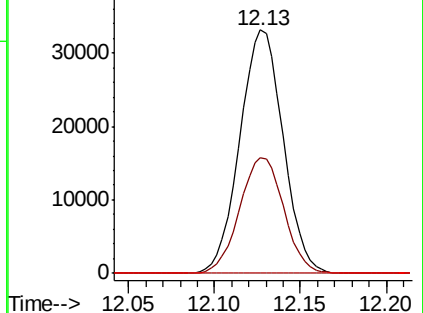
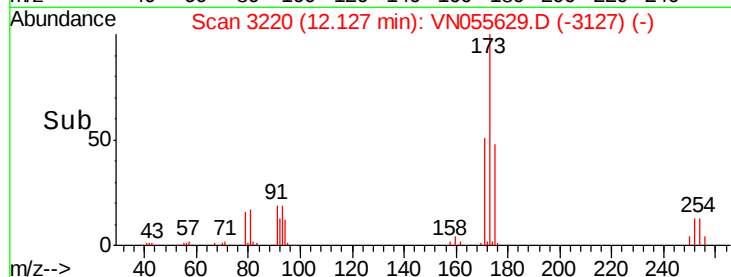
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

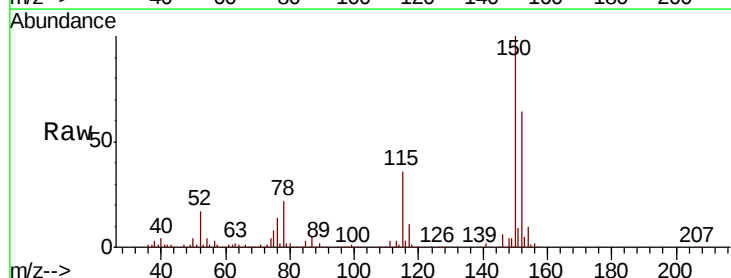
Tgt Ion:152 Resp: 198483

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

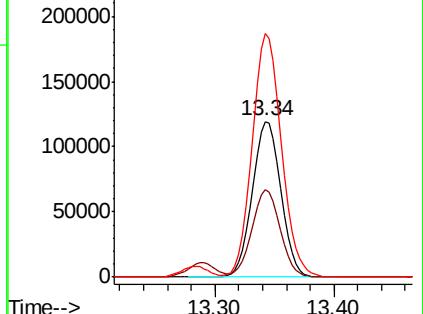
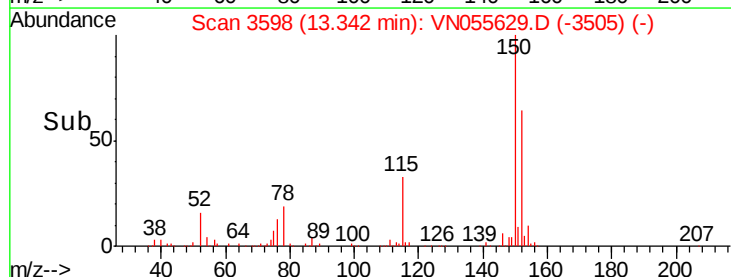
150 160.2 0.0 348.0

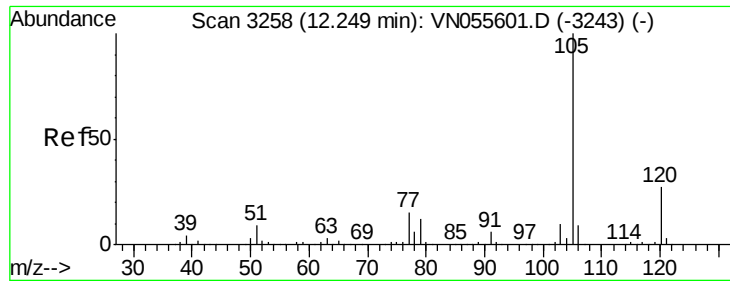


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.512 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

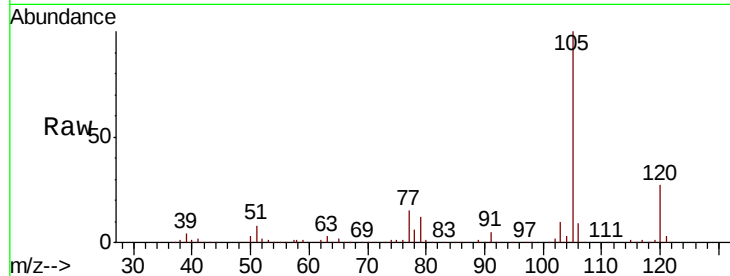
ClientSampleId :

Tot Ion:105 Resp: 292237

Ion Ratio Lower Upper

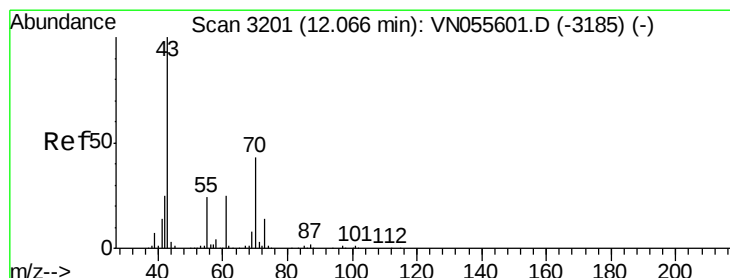
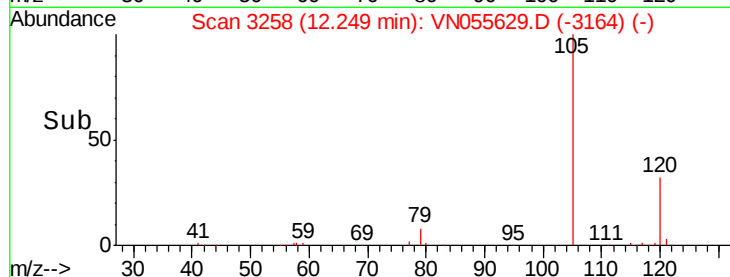
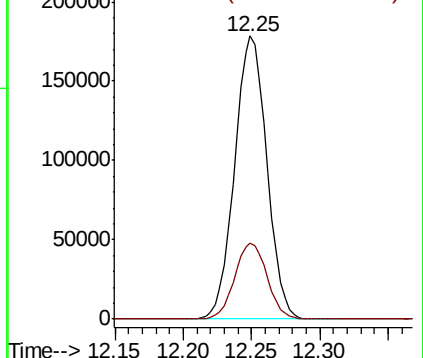
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.587 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion: 43 Resp: 103590

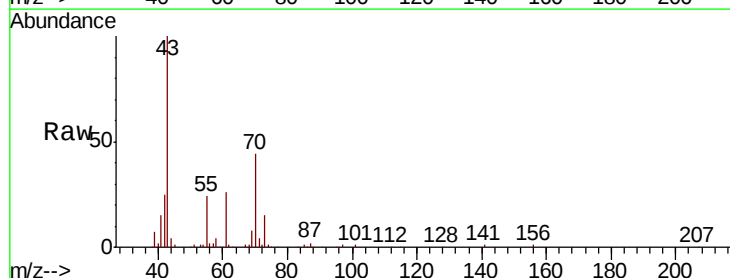
Ion Ratio Lower Upper

43 100

70 43.7 35.0 52.6

55 23.7 18.9 28.3

61 25.6 20.1 30.1

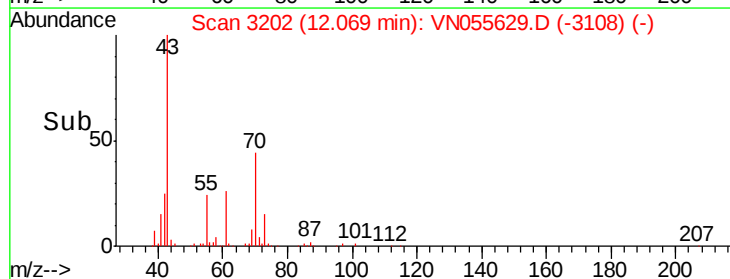
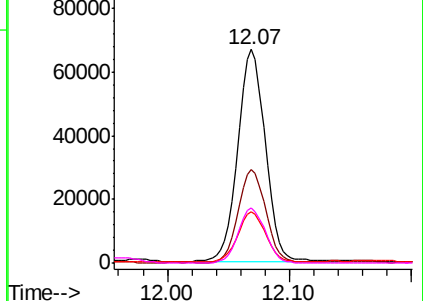


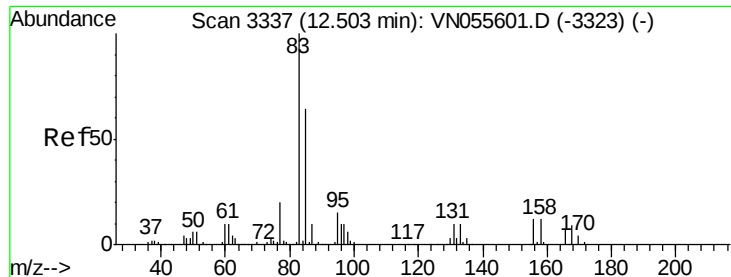
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.597 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

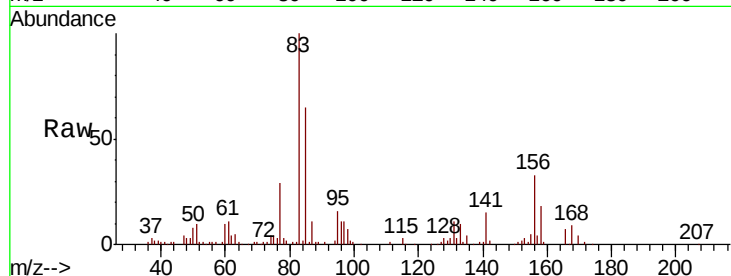
Tot Ion: 83 Resp: 90561

Ion Ratio Lower Upper

83 100

131 11.2 5.3 16.1

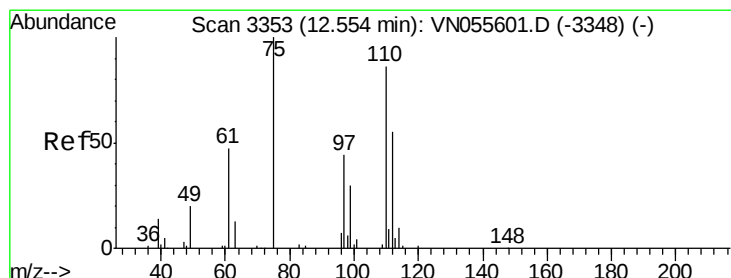
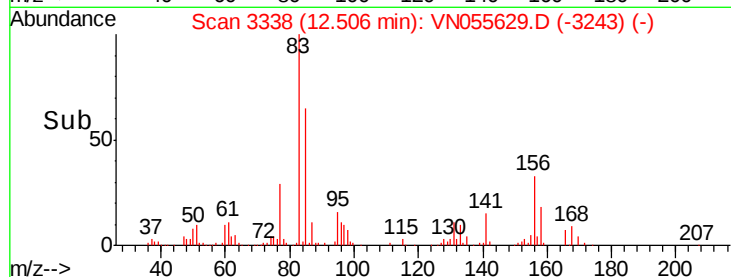
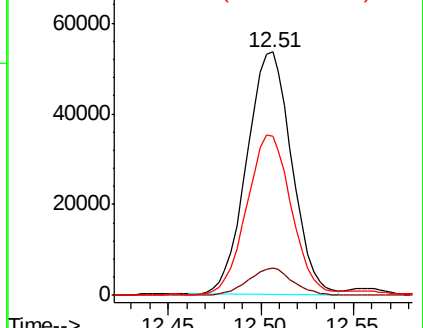
85 65.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055601.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 27.398 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055629.D

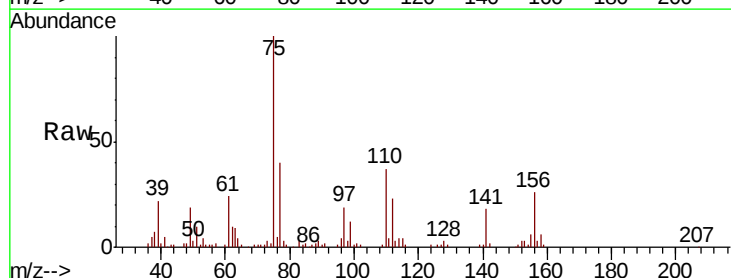
Acq: 17 May 2019 22:40

Tgt Ion: 75 Resp: 110966

Ion Ratio Lower Upper

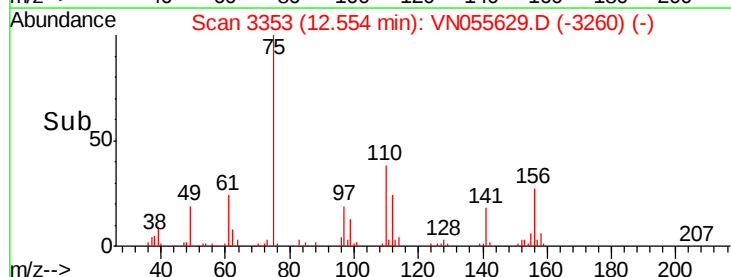
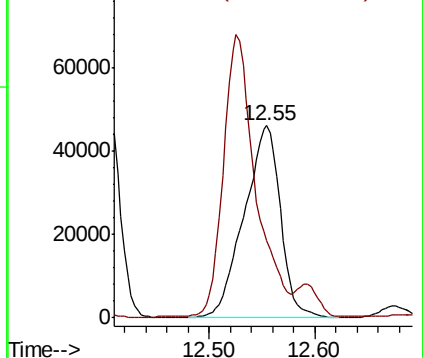
75 100

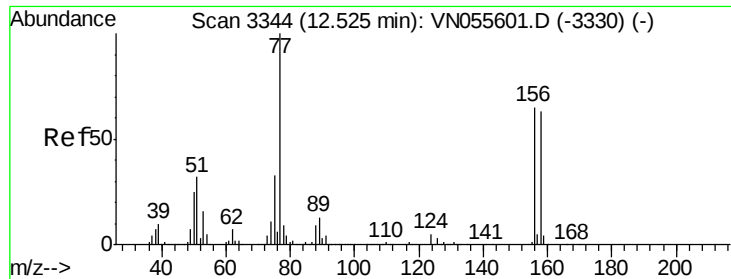
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055601.D (-3348) (-)





#77

Bromobenzene

Concen: 35.670 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampled :

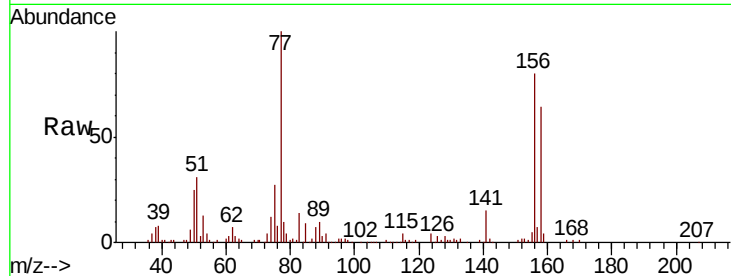
Tot Ion:156 Resp: 145400

Ion Ratio Lower Upper

156 100

77 98.1 94.5 283.5

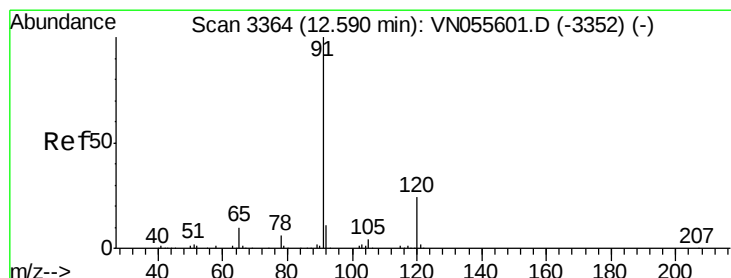
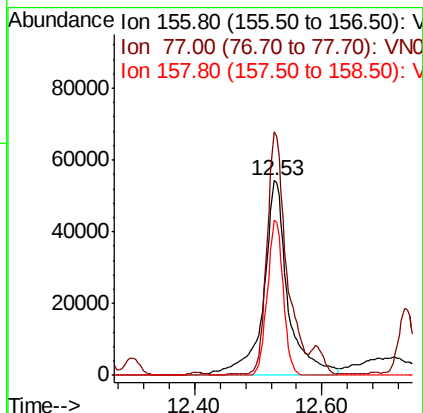
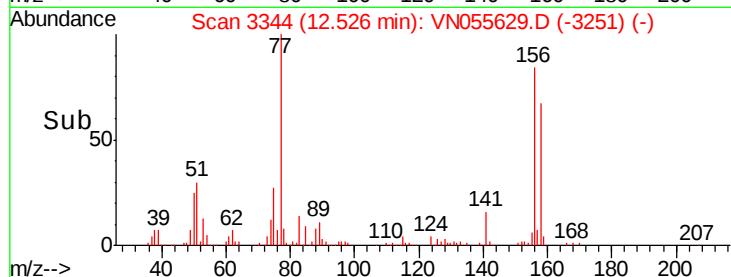
158 51.6 49.0 147.2



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: 18.097 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055629.D

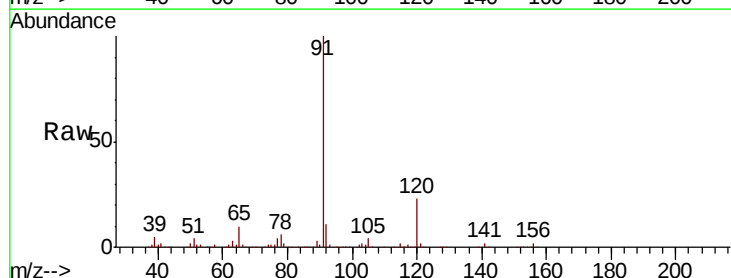
Acq: 17 May 2019 22:40

Tgt Ion: 91 Resp: 318980

Ion Ratio Lower Upper

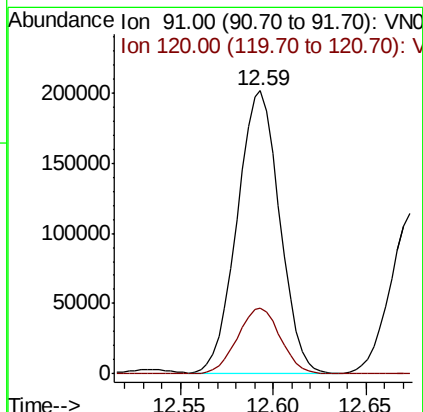
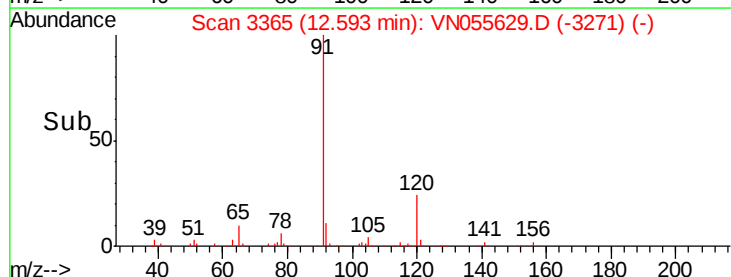
91 100

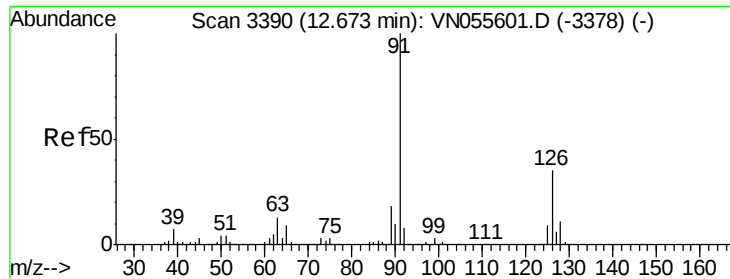
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.146 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

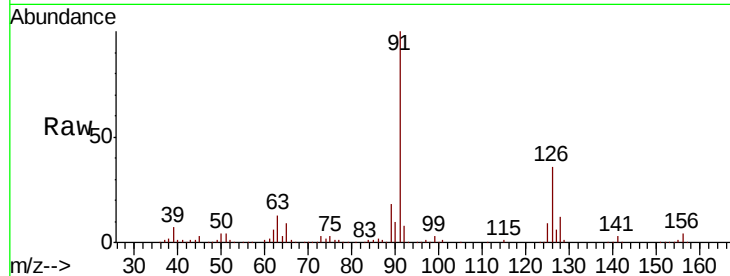
ClientSampleId :

Tot Ion: 91 Resp: 190394

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055601.D (-3378) (-)

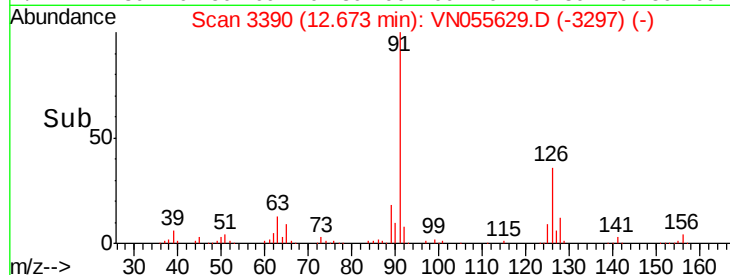
150000

100000

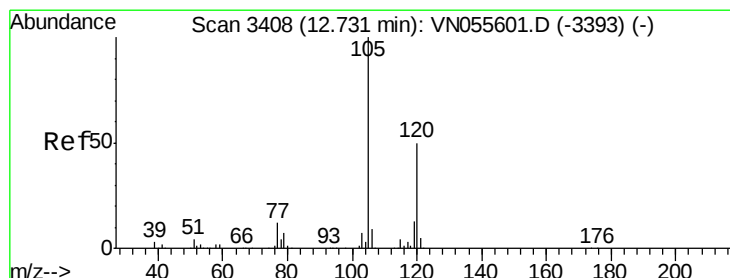
50000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.150 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055629.D

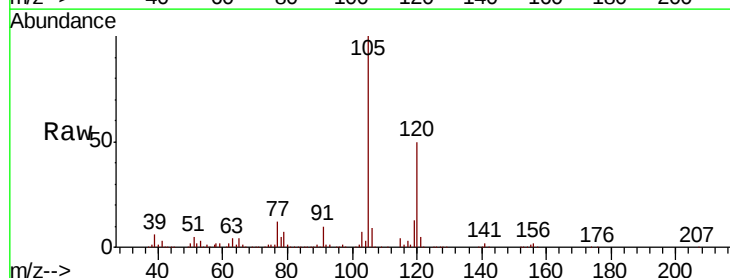
Acq: 17 May 2019 22:40

Tgt Ion:105 Resp: 242850

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055601.D (-3393) (-)

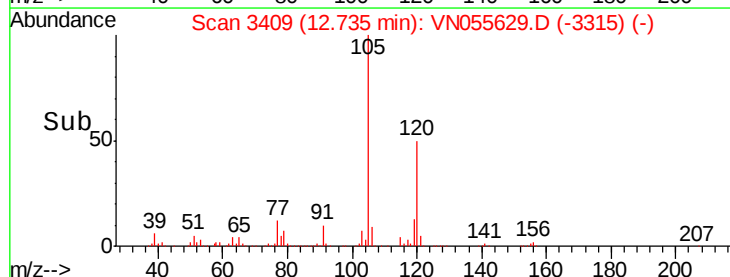
150000

100000

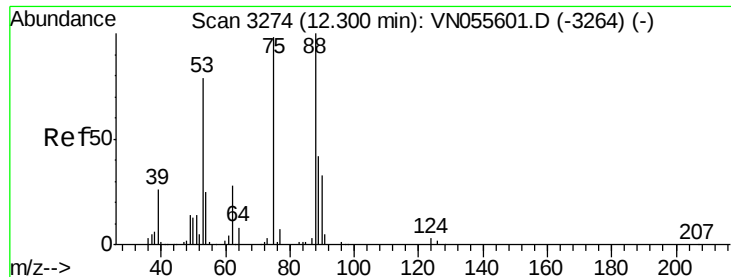
50000

0

12.70 12.75 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 16.712 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

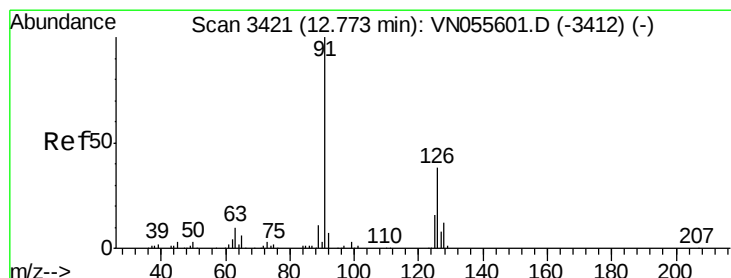
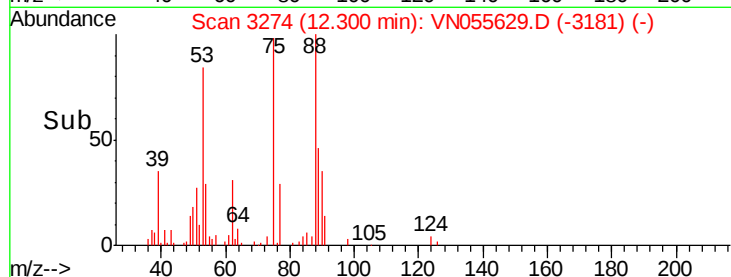
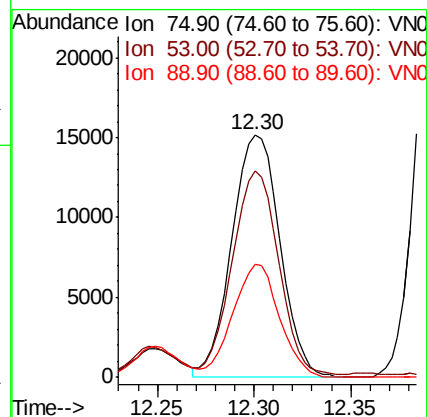
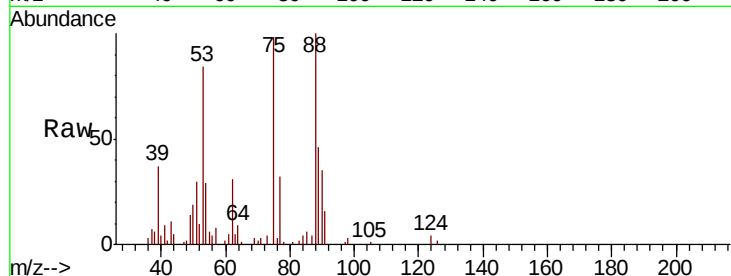
Tot Ion: 75 Resp: 26331

Ion Ratio Lower Upper

75 100

53 81.0 65.1 97.7

89 45.0 36.4 54.6



#82

4-Chlorotoluene

Concen: 18.202 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055629.D

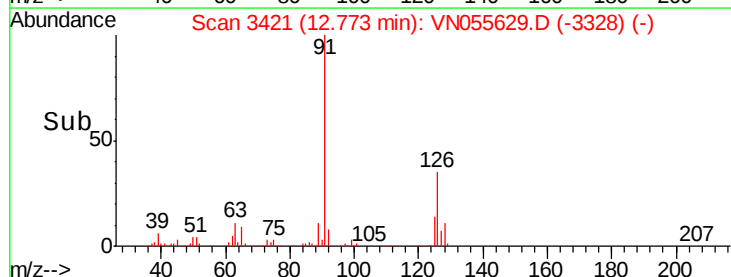
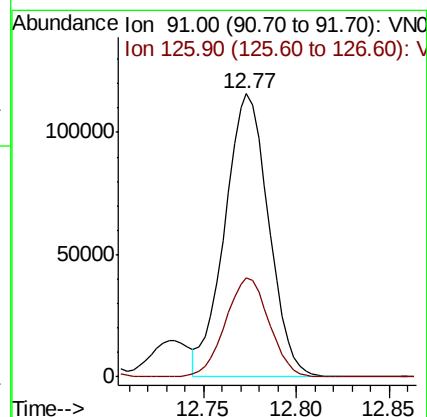
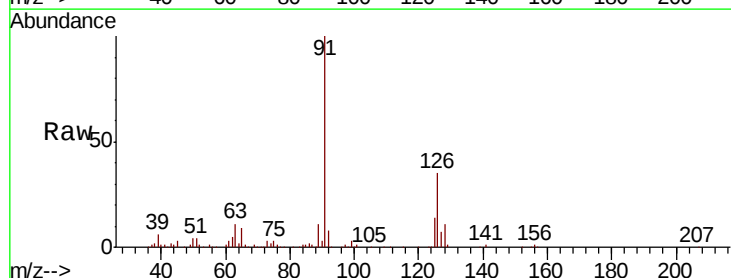
Acq: 17 May 2019 22:40

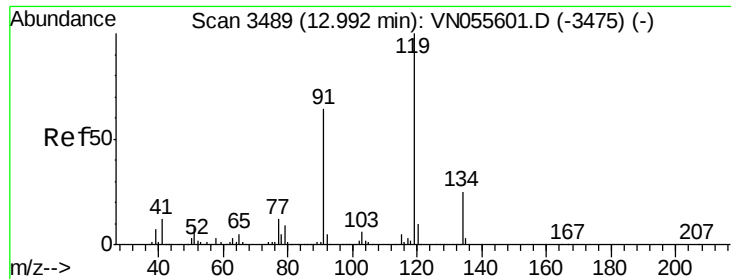
Tgt Ion: 91 Resp: 189035

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

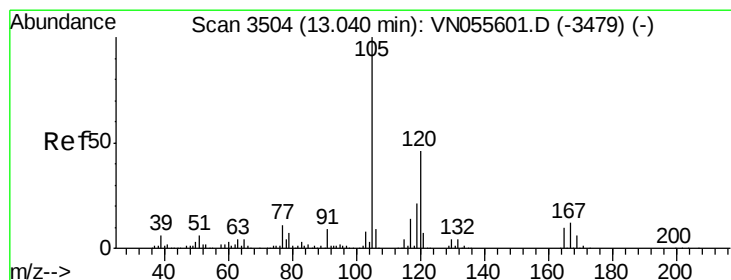
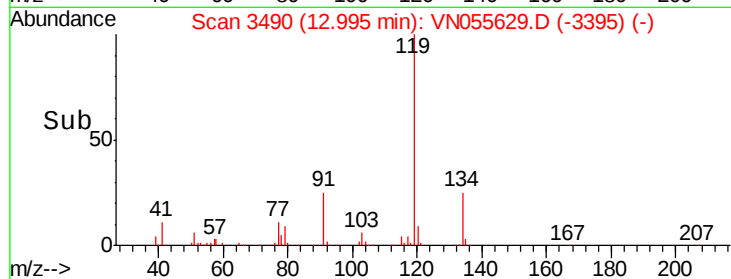
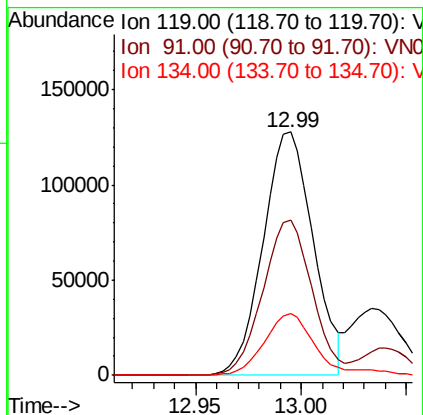
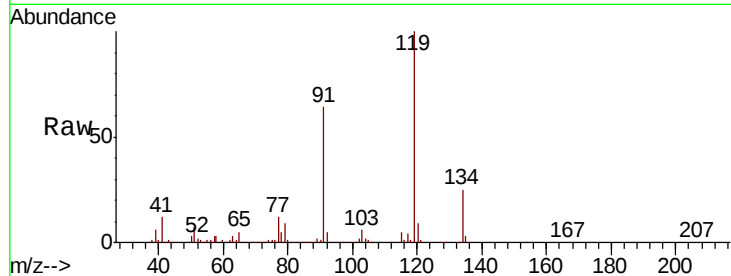




#83
tert-Butylbenzene
Concen: 19.227 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

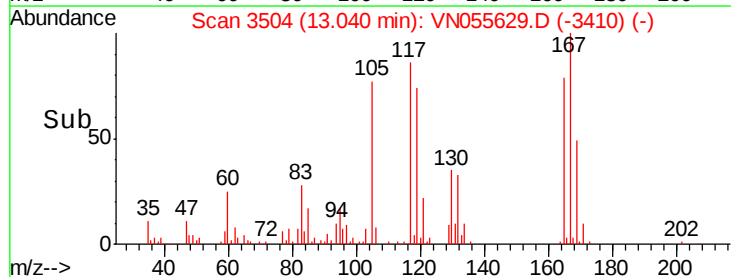
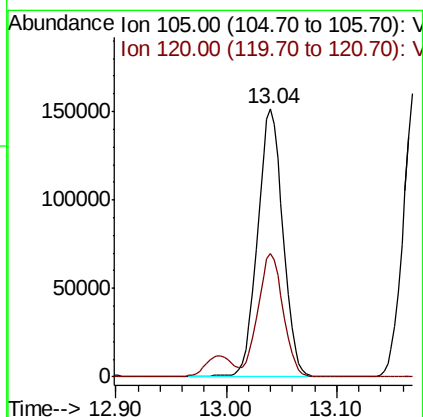
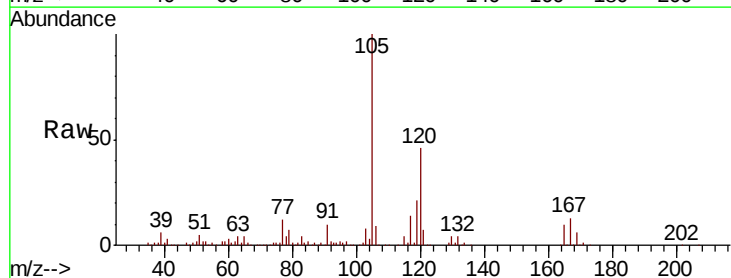
Instrument :
MSVOA_N
ClientSampleId :

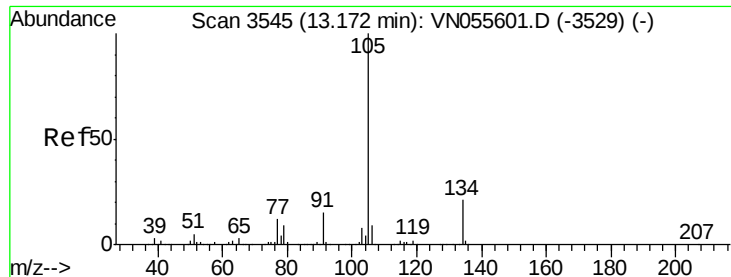
Tot Ion:119 Resp: 211367
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 24.8 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 19.228 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:105 Resp: 241202
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.062 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

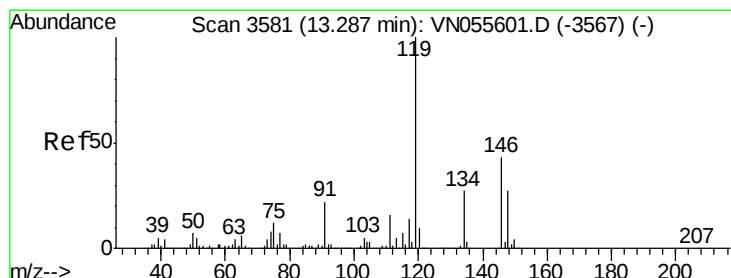
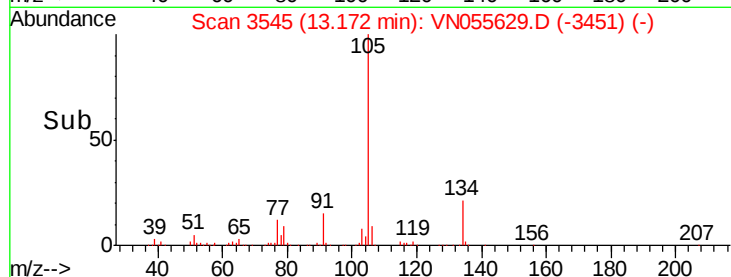
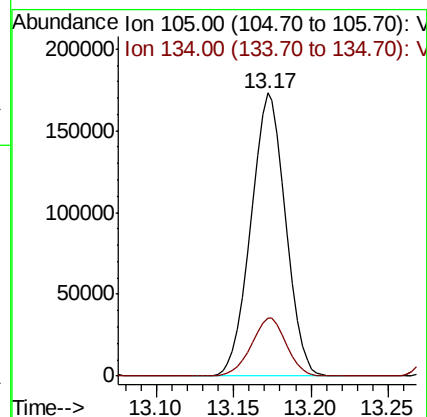
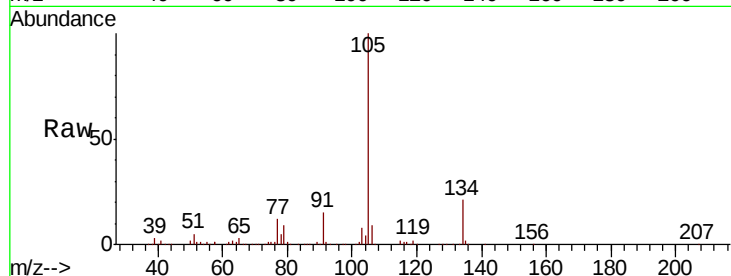
ClientSampled :

Tot Ion:105 Resp: 270497

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9



#86

p-Isopropyltoluene

Concen: 18.690 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

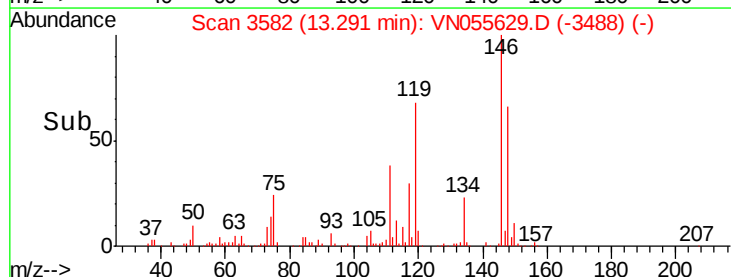
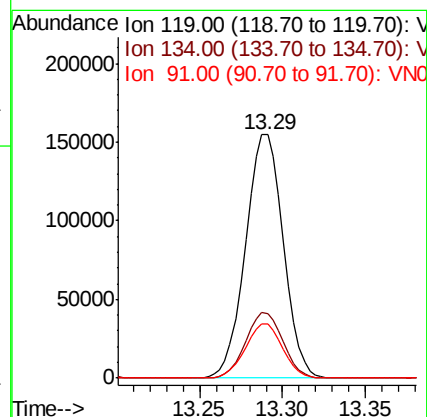
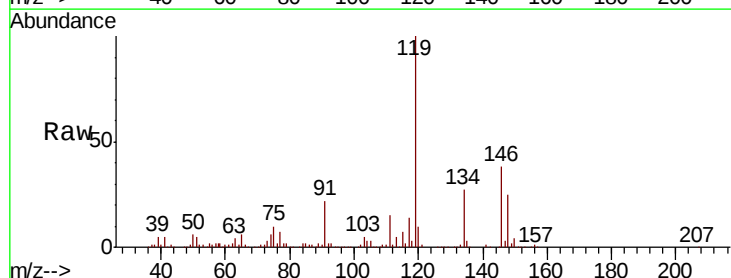
Tgt Ion:119 Resp: 244418

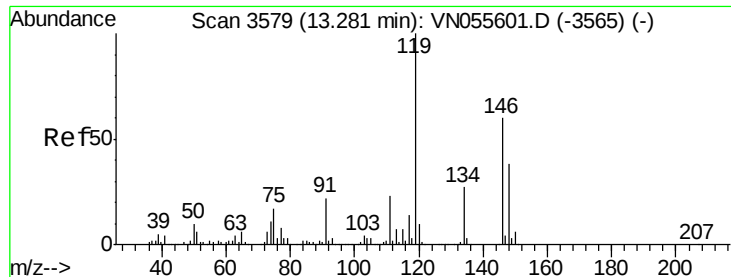
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.9 11.0 33.0

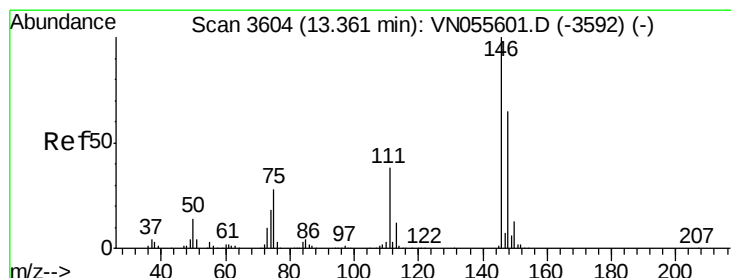
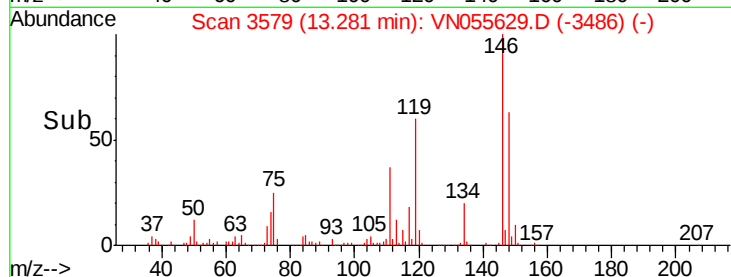
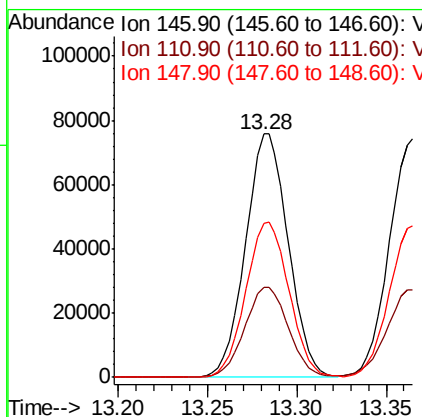
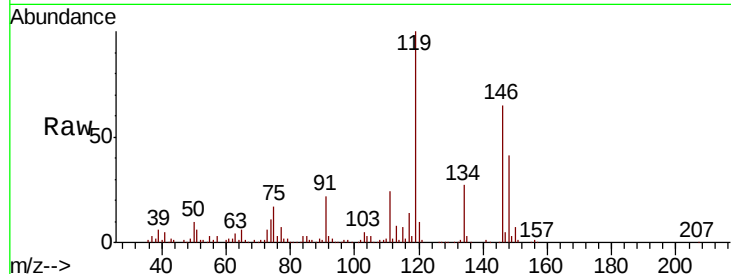




#87
 1,3-Dichlorobenzene
 Concen: 18.824 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

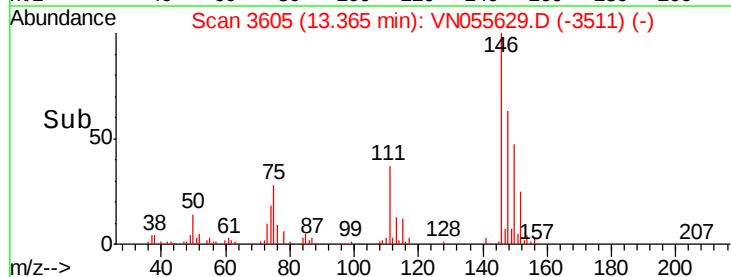
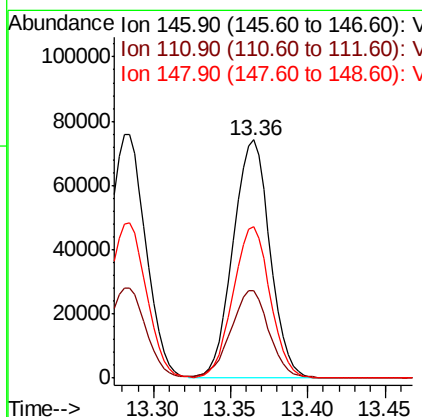
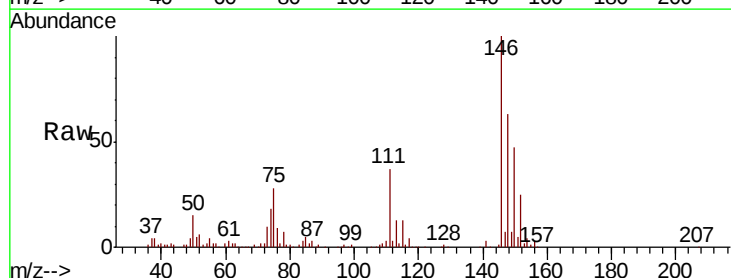
Instrument :
 MSVOA_N
 ClientSampled :

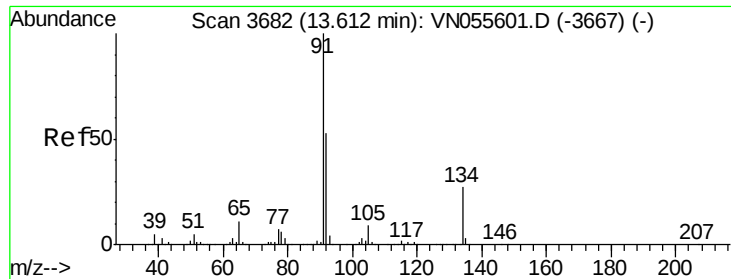
Tot Ion:146 Resp: 126871
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 64.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion:146 Resp: 122868
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.0 32.4 97.0





#89

n-Butylbenzene

Concen: 18.282 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

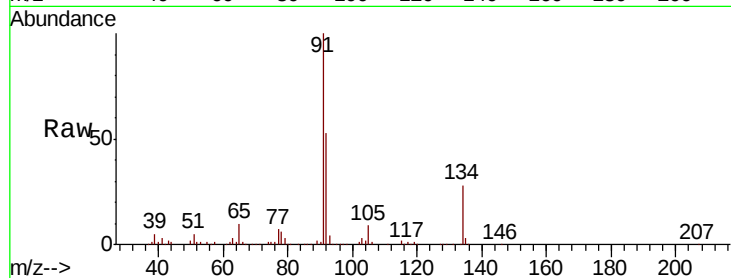
Tot Ion: 91 Resp: 199122

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

134 27.9 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055601.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055601.D (-3667) (-)

13.62

150000

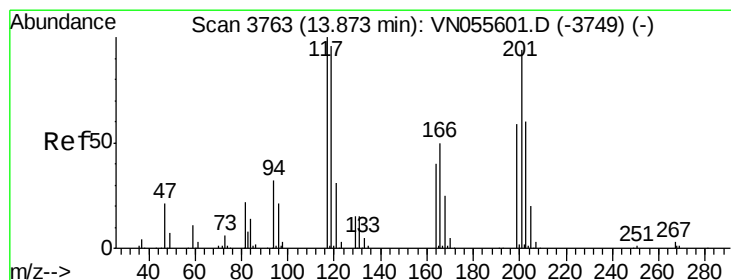
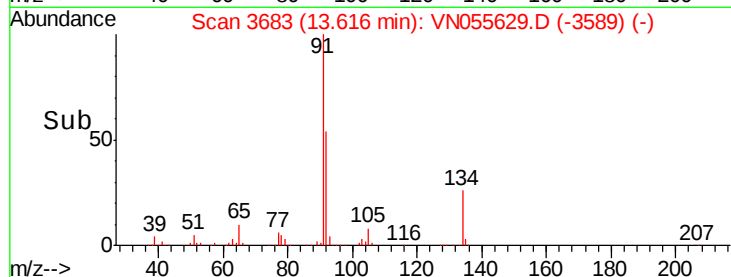
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 19.186 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055629.D

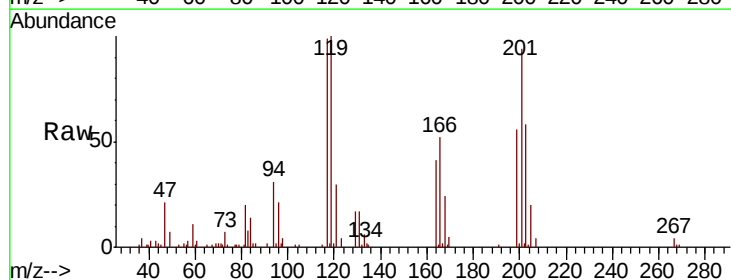
Acq: 17 May 2019 22:40

Tgt Ion: 117 Resp: 48430

Ion Ratio Lower Upper

117 100

201 95.9 47.1 141.3



Abundance Ion 116.80 (116.50 to 117.50): VN055601.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055601.D (-3749) (-)

13.87

30000

25000

20000

15000

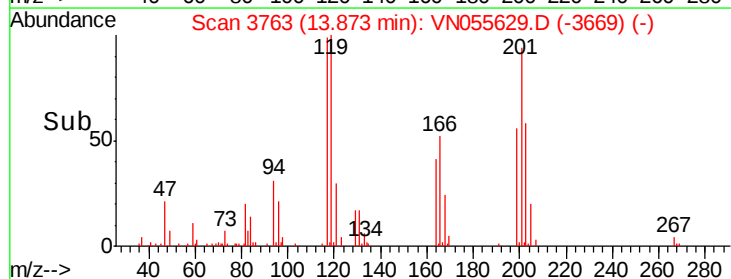
10000

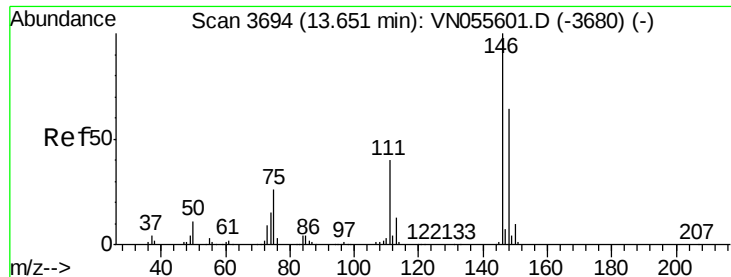
5000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 18.959 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampled :

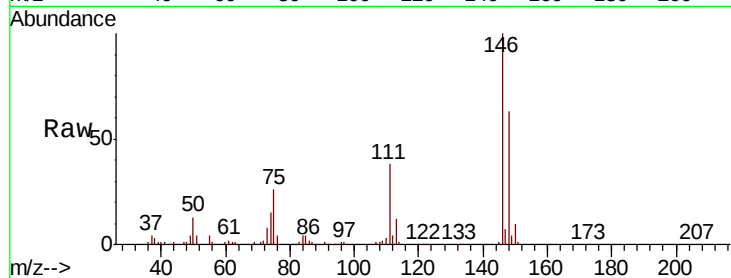
Tot Ion:146 Resp: 127379

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.0

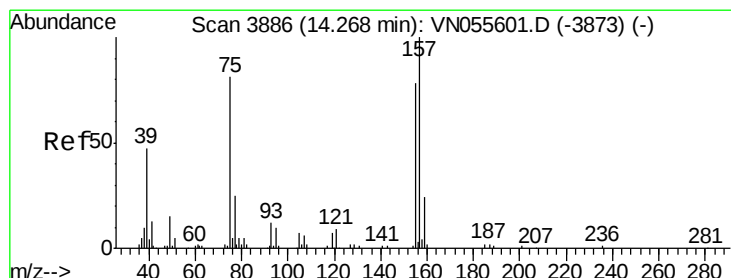
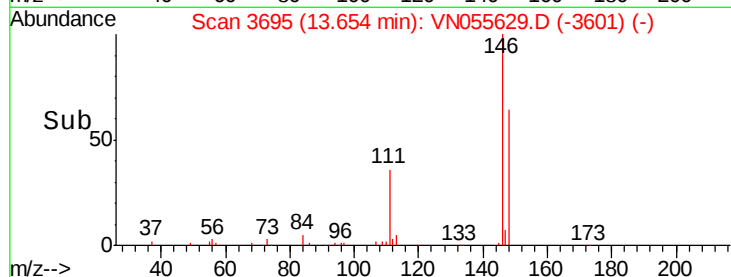
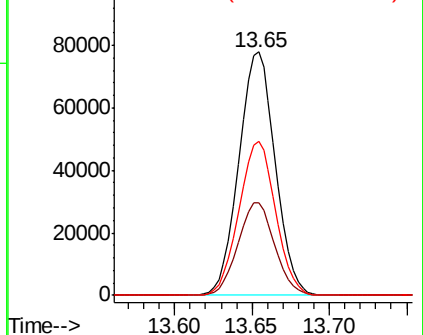
148 63.7 32.1 96.3



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: 20.010 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

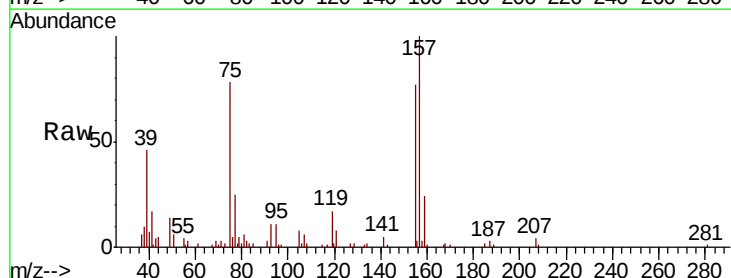
Tgt Ion: 75 Resp: 18024

Ion Ratio Lower Upper

75 100

155 100.3 48.4 145.0

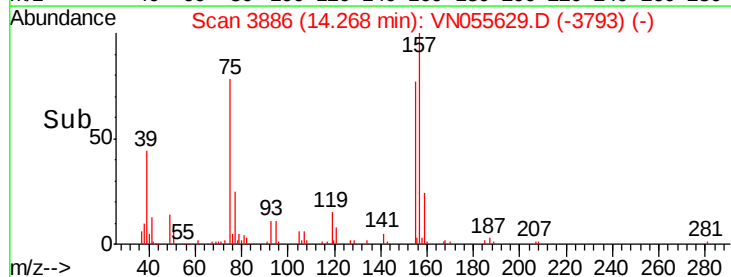
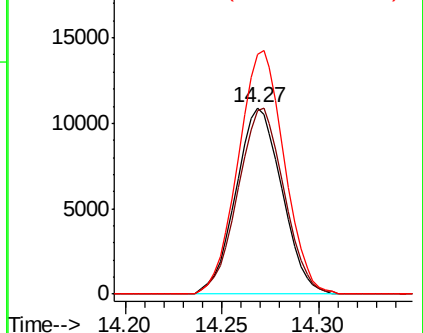
157 131.1 62.3 186.8

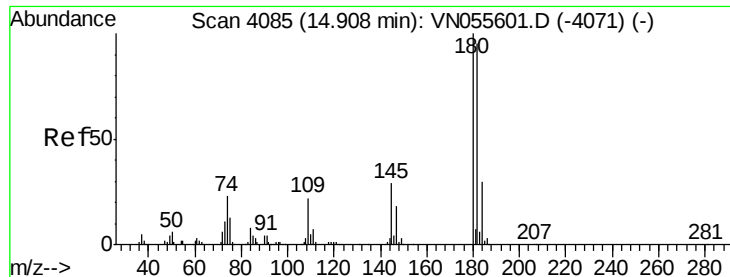


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

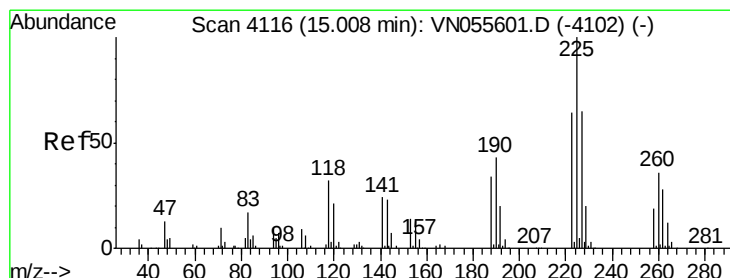
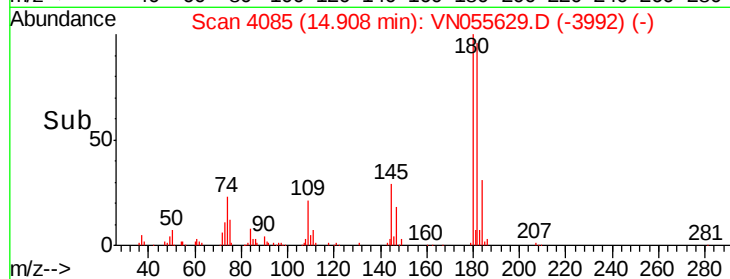
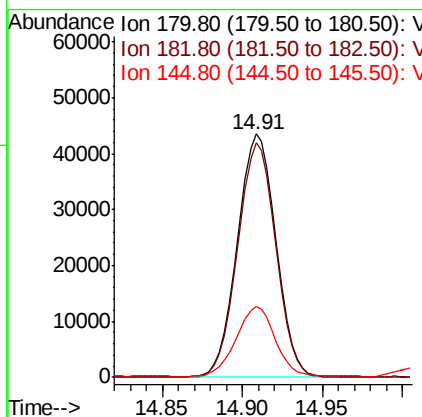
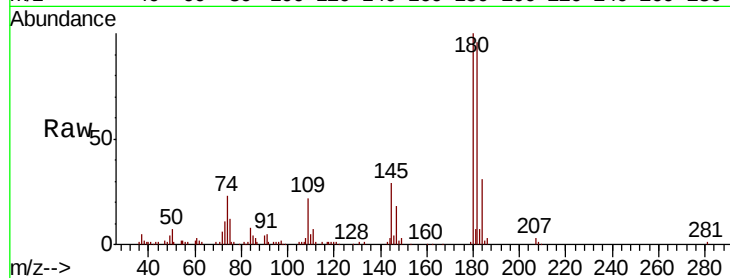




#93
 1,2,4-Trichlorobenzene
 Concen: 20.927 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

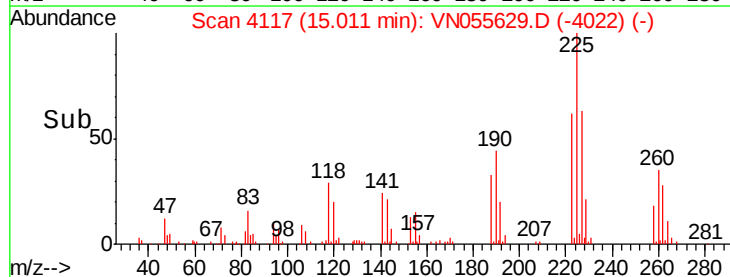
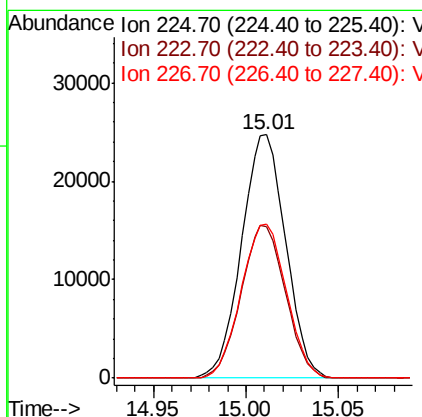
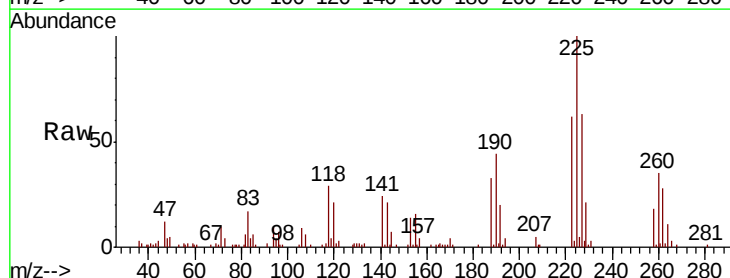
Instrument :
 MSVOA_N
 ClientSampled :

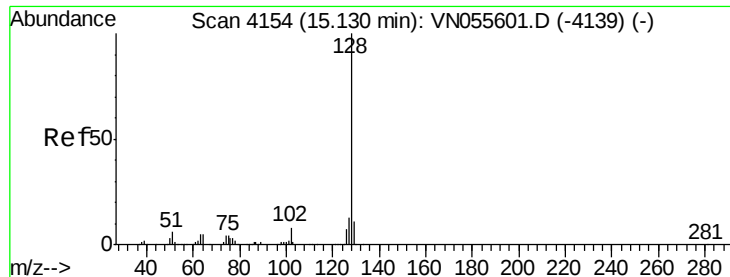
Tot Ion:180 Resp: 71569
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.6
 145 30.5 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 17.920 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion:225 Resp: 40849
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 94.7
 227 64.7 32.4 97.0





#95

Naphthalene

Concen: 21.091 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

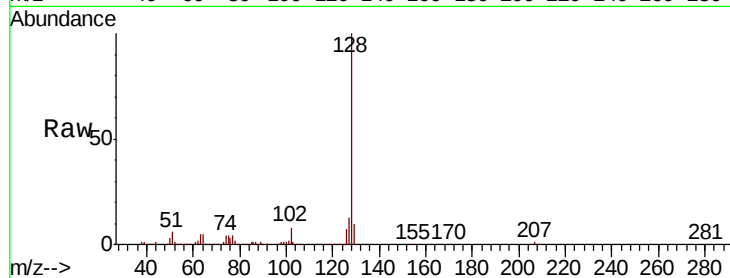
Tot Ion:128 Resp: 206768

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.8 8.6 12.8

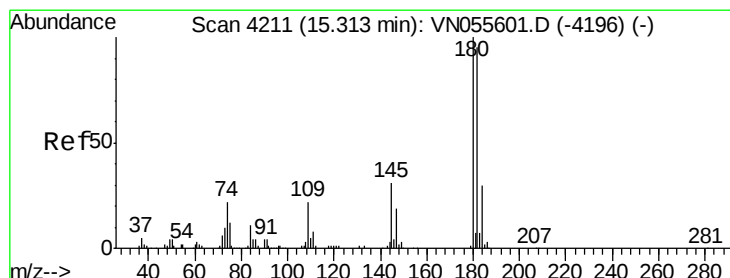
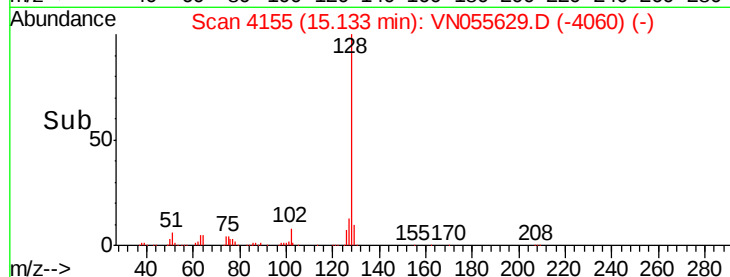
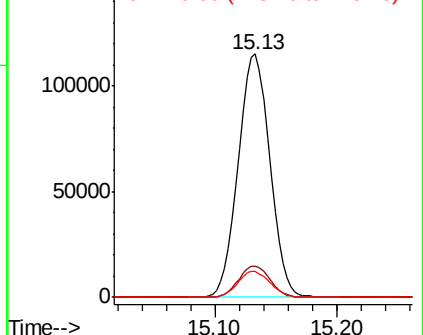


Abundance

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: 20.528 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

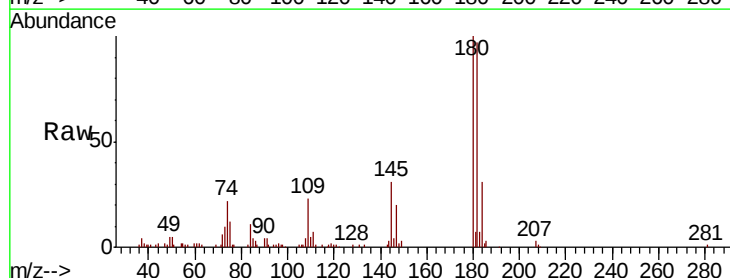
Tgt Ion:180 Resp: 73404

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.6

145 32.5 15.4 46.1



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

