

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055301.D
 Acq On : 30 Apr 2019 12:13
 Operator : JC/SP
 Sample : VN0430WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 05:16:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	369014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	607586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241402	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.59	113	195912	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.09	98	694581	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.40	95	218210	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93964	20.783	ug/l	98
3) Chloromethane	2.06	50	110408	19.721	ug/l	98
4) Vinyl Chloride	2.19	62	87913	19.481	ug/l	98
5) Bromomethane	2.56	94	48149	20.143	ug/l	96
6) Chloroethane	2.70	64	46475	19.011	ug/l	94
7) Trichlorofluoromethane	3.02	101	126194	19.666	ug/l	98
8) Diethyl Ether	3.41	74	44979	20.035	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75830	19.844	ug/l	97
10) Methyl Iodide	3.96	142	103709	19.285	ug/l #	94
11) Tert butyl alcohol	4.78	59	28747	104.009	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	70997	19.477	ug/l	97
13) Acrolein	3.61	56	19609	90.845	ug/l	98
14) Allyl chloride	4.33	41	145488	19.271	ug/l	99
15) Acrylonitrile	4.99	53	161912	104.220	ug/l	99
16) Acetone	3.82	43	156171	103.823	ug/l	99
17) Carbon Disulfide	4.06	76	183374	19.276	ug/l	98
18) Methyl Acetate	4.32	43	84239	22.418	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	209783	20.471	ug/l	99
20) Methylene Chloride	4.55	84	88010	19.169	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	75302	19.505	ug/l	93
22) Diisopropyl ether	5.95	45	304110	20.273	ug/l	97
23) Vinyl Acetate	5.90	43	1012572	102.995	ug/l	100
24) 1,1-Dichloroethane	5.85	63	157905	19.757	ug/l	99
25) 2-Butanone	6.84	43	204691	106.406	ug/l	98
26) 2,2-Dichloropropane	6.82	77	107382	19.457	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	89693	20.430	ug/l	100
28) Bromochloromethane	7.20	49	82183	20.399	ug/l	97
29) Tetrahydrofuran	7.21	42	132014	107.173	ug/l	99
30) Chloroform	7.37	83	153051	20.201	ug/l	99
31) Cyclohexane	7.65	56	143827	18.941	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	122494	19.921	ug/l	99
36) 1,1-Dichloropropene	7.79	75	106911	18.370	ug/l	100
37) Ethyl Acetate	6.93	43	87774	19.679	ug/l	99
38) Carbon Tetrachloride	7.77	117	100310	17.868	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	113748	18.383	ug/l	98
40) Benzene	8.04	78	327198	19.072	ug/l	97
41) Methacrylonitrile	7.18	41	47217	20.010	ug/l	92
42) 1,2-Dichloroethane	8.12	62	118349	19.477	ug/l	99
43) Isopropyl Acetate	8.16	43	144052	20.096	ug/l #	88
44) Trichloroethene	8.84	130	82995	18.976	ug/l	97
45) 1,2-Dichloropropane	9.12	63	94003	18.998	ug/l	97
46) Dibromomethane	9.21	93	53448	19.761	ug/l	100
47) Bromodichloromethane	9.40	83	112160	19.330	ug/l	99
48) Methyl methacrylate	9.20	41	65693	18.643	ug/l	92
49) 1,4-Dioxane	9.20	88	16159	443.601	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	417016	103.332	ug/l	99
52) Toluene	10.16	92	192152	19.520	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	98743	19.603	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	121489	19.345	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71961	19.686	ug/l	96
56) Ethyl methacrylate	10.43	69	88842	19.746	ug/l	99
57) 1,3-Dichloropropane	10.71	76	126755	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	132689	102.717	ug/l	99
59) 2-Hexanone	10.75	43	260687	103.239	ug/l	100
60) Dibromochloromethane	10.90	129	73759	19.743	ug/l	97
61) 1,2-Dibromoethane	11.00	107	68116	20.161	ug/l	100
64) Tetrachloroethene	10.63	164	78665	18.709	ug/l	93
65) Chlorobenzene	11.43	112	194888	19.387	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74535	18.936	ug/l	98
67) Ethyl Benzene	11.51	91	357518	19.695	ug/l	98
68) m/p-Xylenes	11.62	106	255880	39.491	ug/l	99
69) o-Xylene	11.95	106	127078	19.787	ug/l	99
70) Styrene	11.96	104	206915	20.984	ug/l	99
71) Bromoform	12.13	173	44563	20.403	ug/l #	95
73) Isopropylbenzene	12.25	105	343711	21.302	ug/l	100
74) N-amyl acetate	12.07	43	97874	20.409	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	89051	22.290	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	101281	28.055	ug/l #	100
77) Bromobenzene	12.53	156	80105	21.201	ug/l	99
78) n-propylbenzene	12.59	91	364756	19.003	ug/l	99
79) 2-Chlorotoluene	12.67	91	227884	20.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	274199	18.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18153	18.410	ug/l #	83
82) 4-Chlorotoluene	12.77	91	212428	19.034	ug/l	100
83) tert-Butylbenzene	12.99	119	235871	21.063	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	256080	19.545	ug/l	100
85) sec-Butylbenzene	13.17	105	301768	18.952	ug/l	99
86) p-Isopropyltoluene	13.29	119	246921	18.868	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	122731	19.628	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115484	19.612	ug/l	99
89) n-Butylbenzene	13.61	91	171836	18.478	ug/l	99
90) Hexachloroethane	13.87	117	44741	20.667	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	124519	20.092	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11023	22.422	ug/l	94

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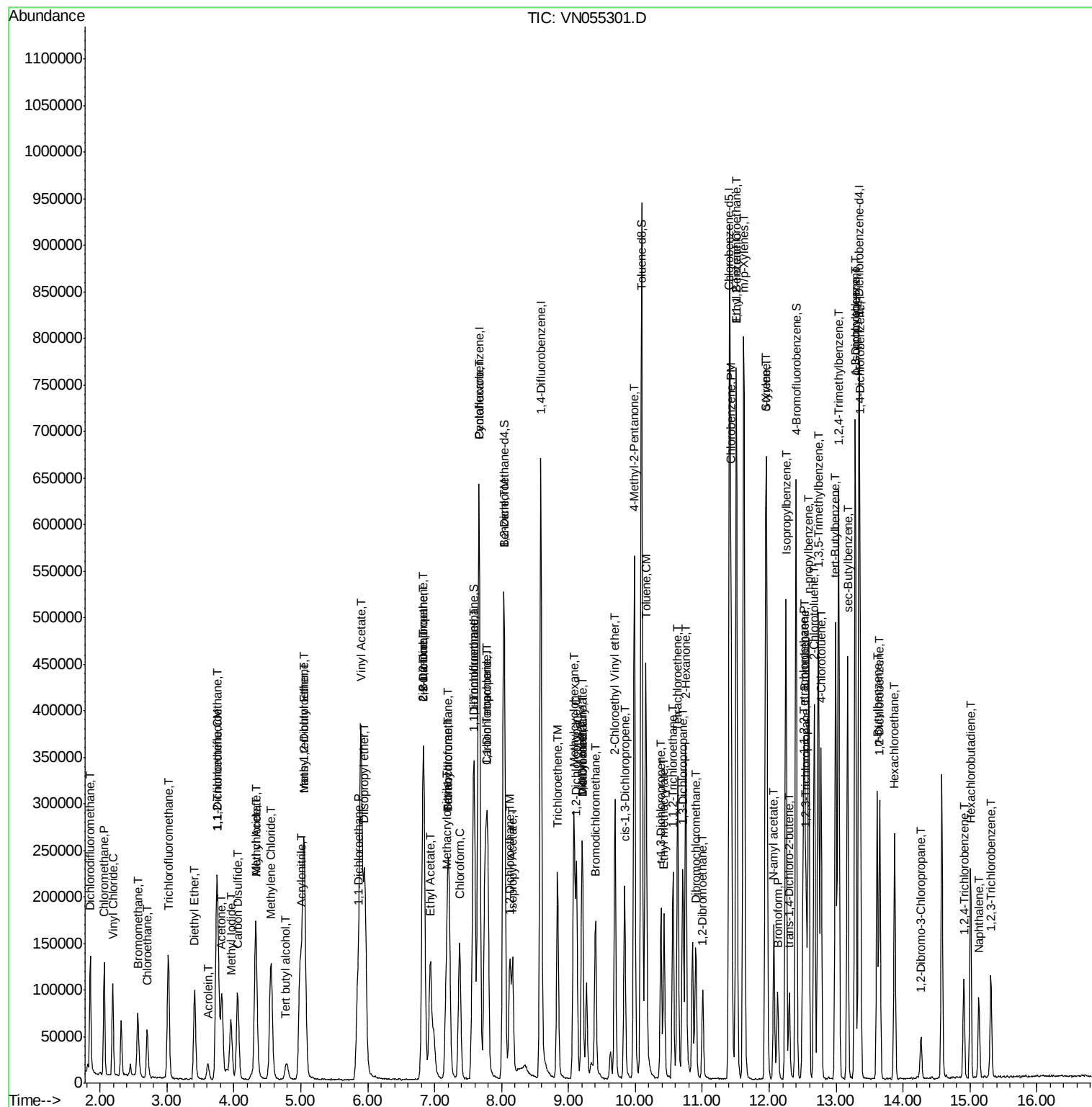
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34306	16.422	ug/l	100
94) Hexachlorobutadiene	15.01	225	44419	22.266	ug/l	99
95) Naphthalene	15.13	128	72684	16.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36611	17.033	ug/l	98

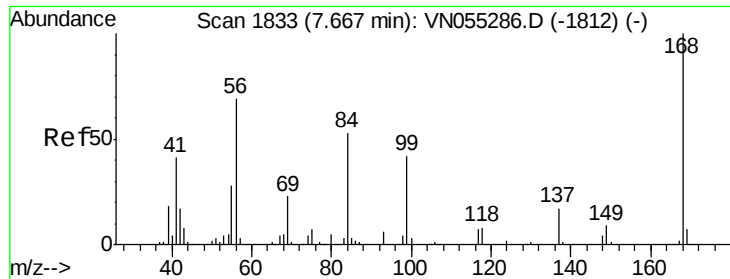
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

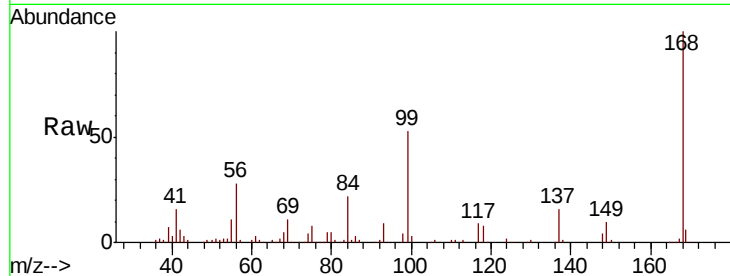
ClientSampled :

Tot Ion:168 Resp: 369014

Ion Ratio Lower Upper

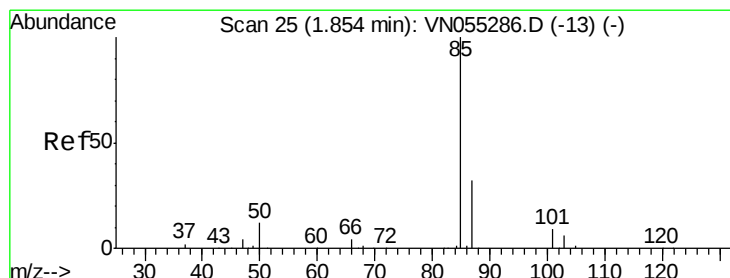
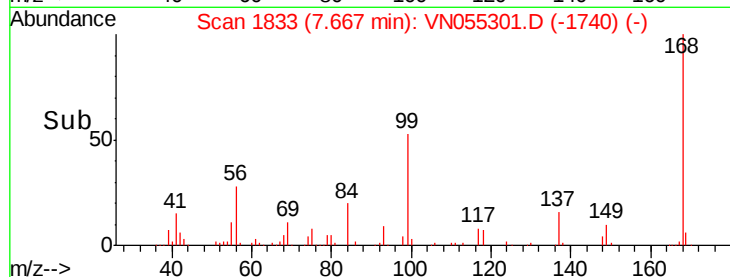
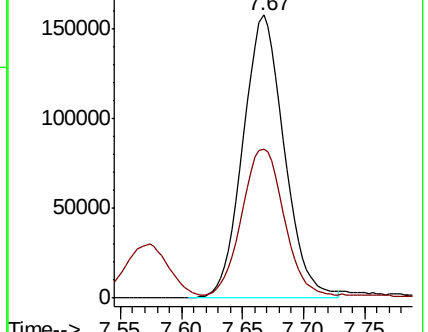
168 100

99 51.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.783 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055301.D

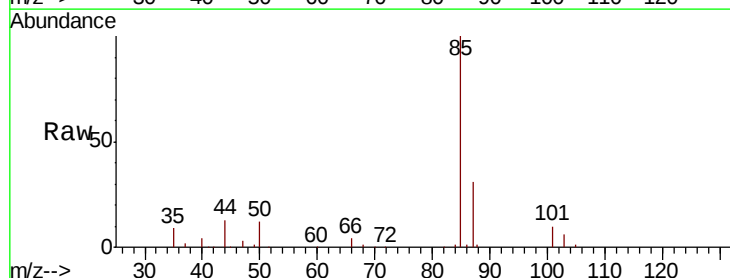
Acq: 30 Apr 2019 12:13

Tgt Ion: 85 Resp: 93964

Ion Ratio Lower Upper

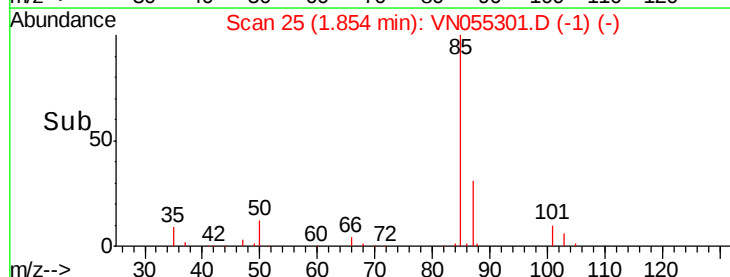
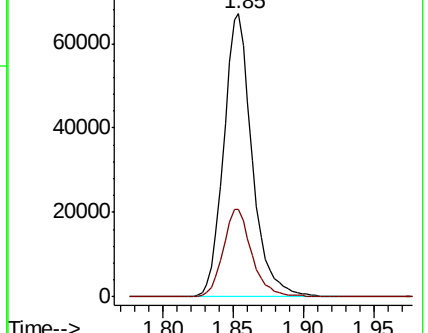
85 100

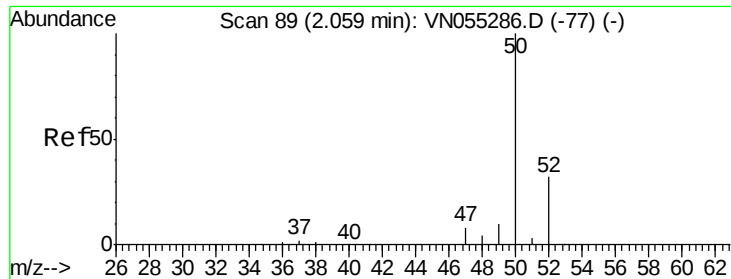
87 31.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.721 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

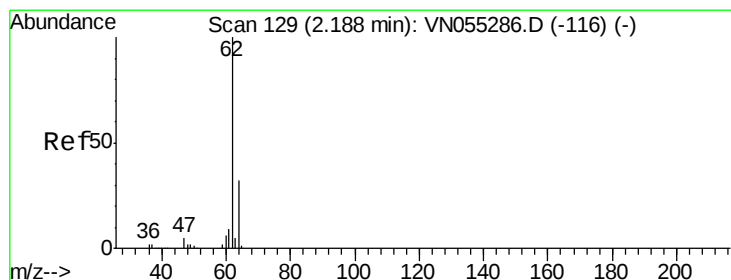
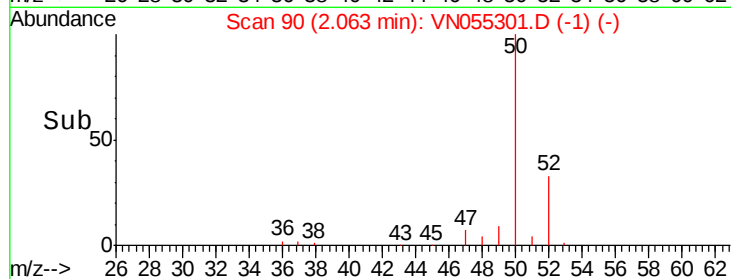
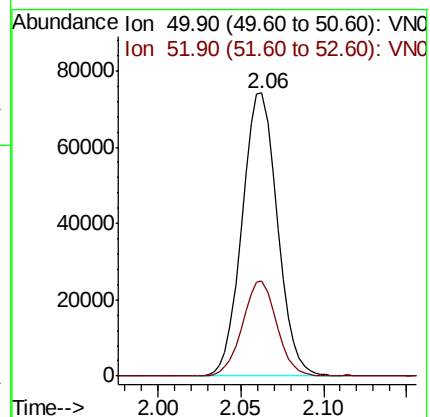
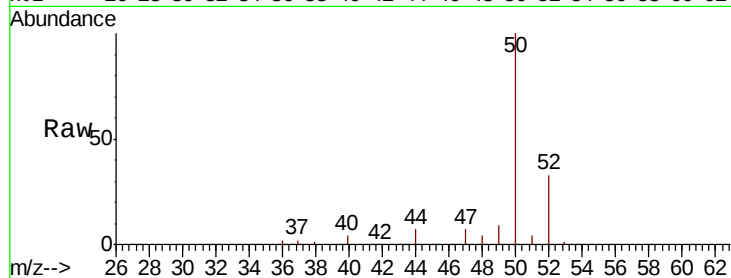
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 110408

Ion Ratio Lower Upper

50 100

52 33.5 25.7 38.5



#4

Vinyl Chloride

Concen: 19.481 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055301.D

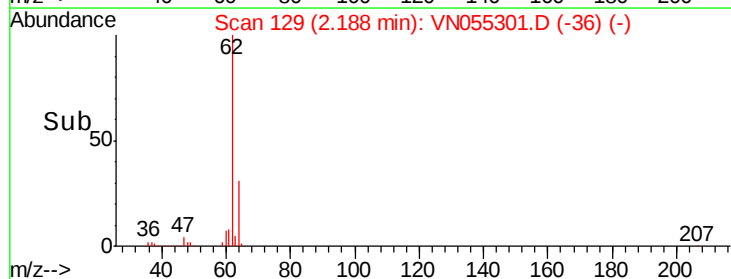
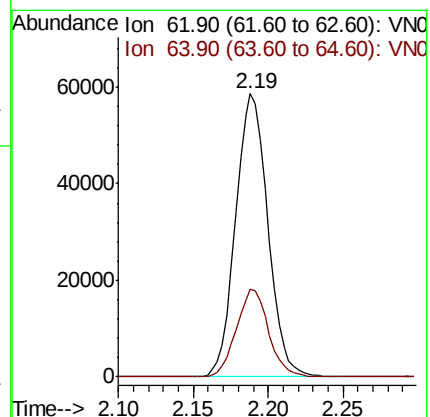
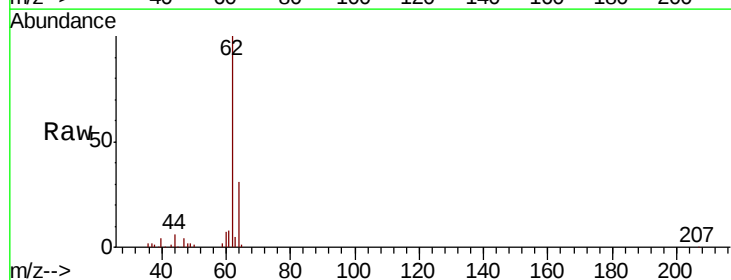
Acq: 30 Apr 2019 12:13

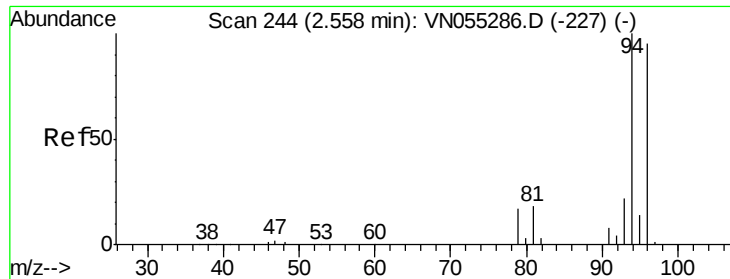
Tgt Ion: 62 Resp: 87913

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3

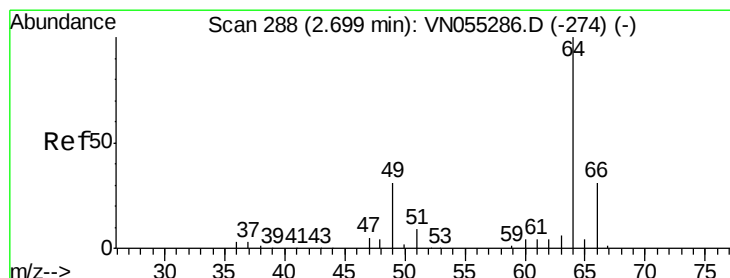
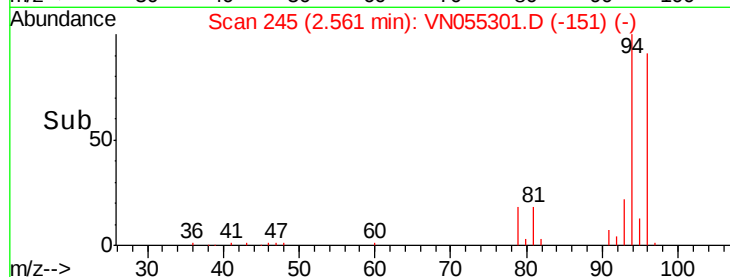
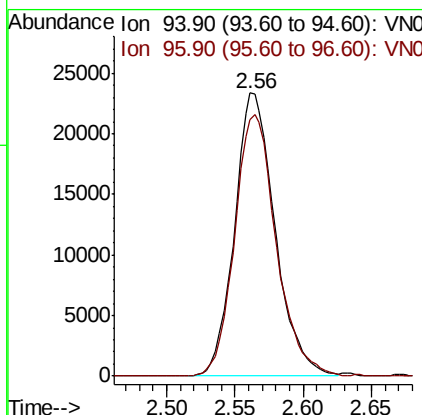
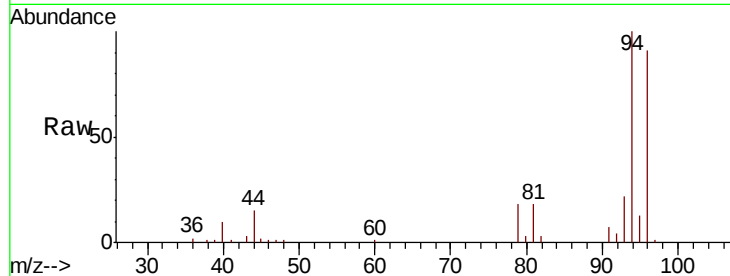




#5
 Bromomethane
 Concen: 20.143 ug/l
 RT: 2.56 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VN055301.D
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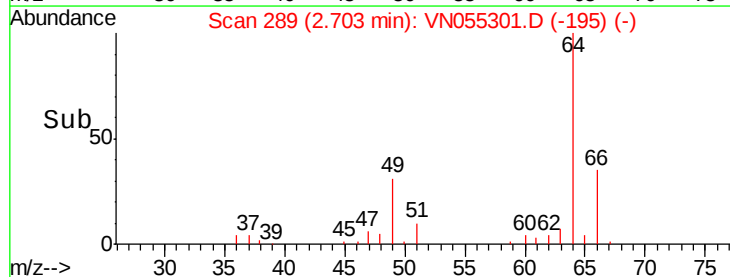
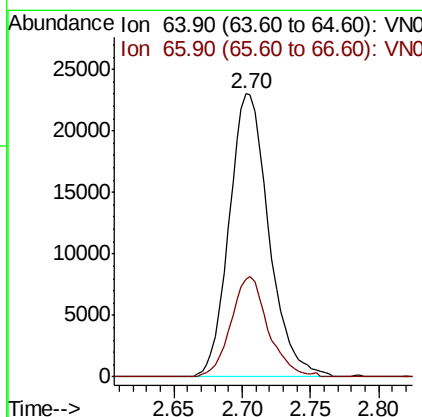
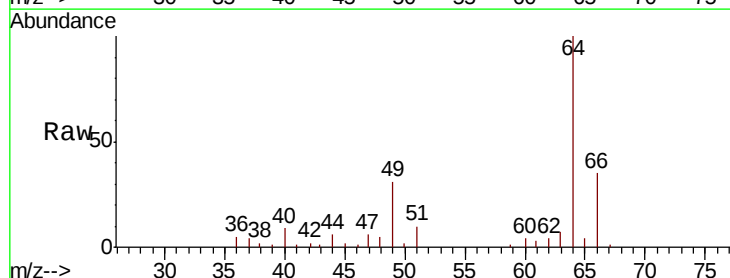
Instrument :
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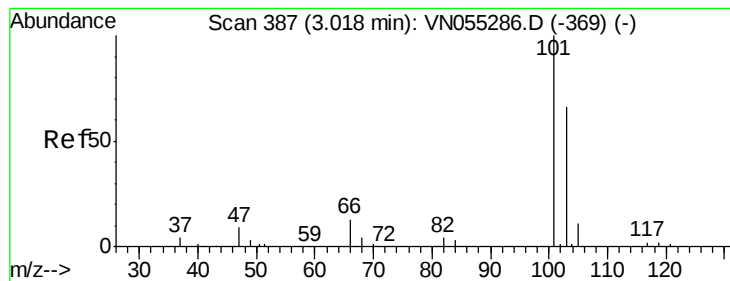
Tot Ion: 94 Resp: 48149
 Ion Ratio Lower Upper
 94 100
 96 90.8 76.0 114.0



#6
 Chloroethane
 Concen: 19.011 ug/l
 RT: 2.70 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 64 Resp: 46475
 Ion Ratio Lower Upper
 64 100
 66 34.7 25.0 37.4



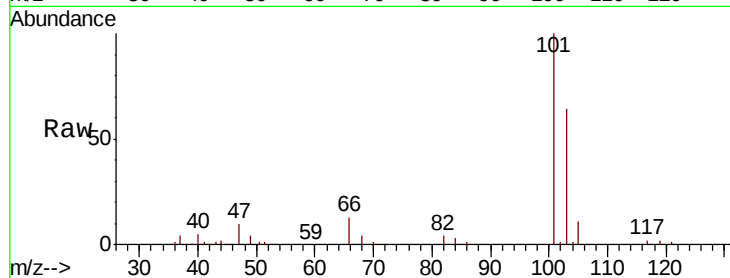


#7

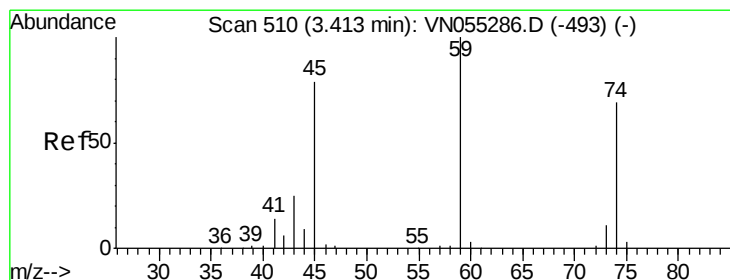
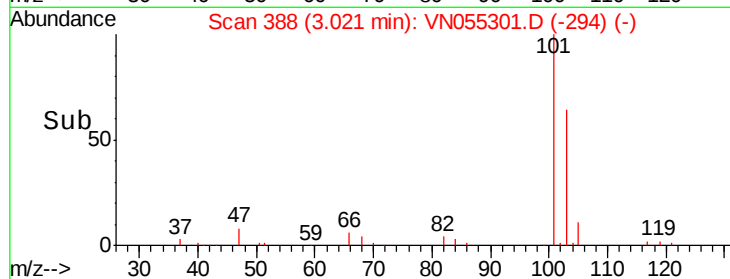
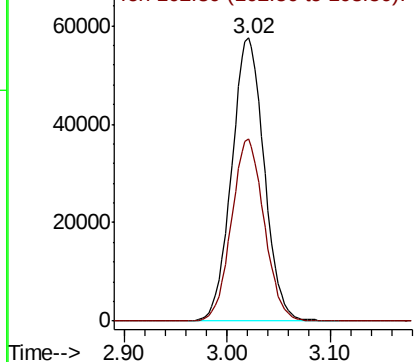
Trichlorofluoromethane
 Concen: 19.666 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 126194
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 79.0



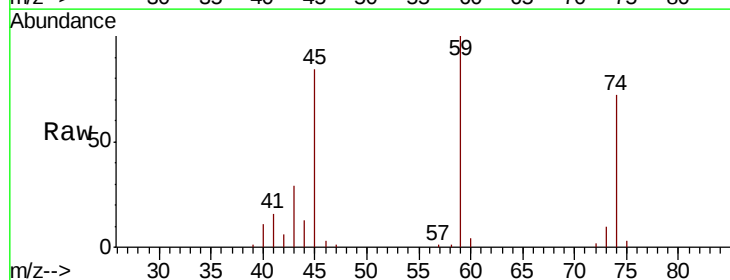
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



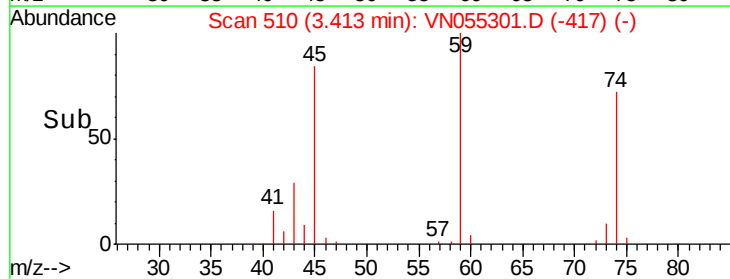
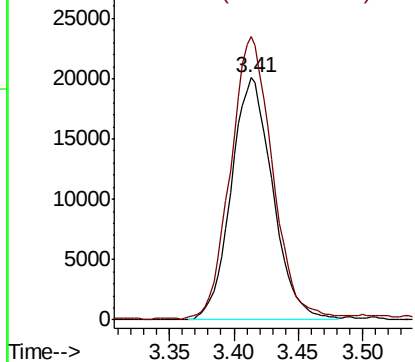
#8

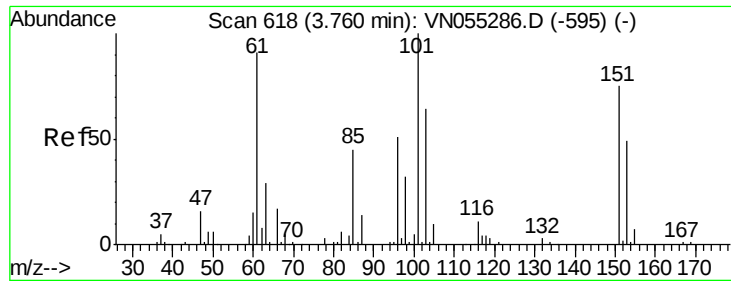
Diethyl Ether
 Concen: 20.035 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055301.D
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Tgt Ion: 74 Resp: 44979
 Ion Ratio Lower Upper
 74 100
 45 118.9 58.9 176.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.844 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

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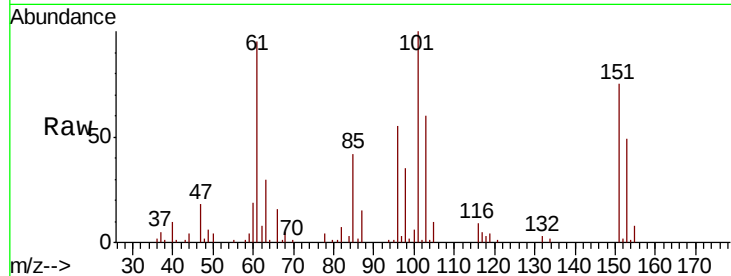
Tot Ion:101 Resp: 75830

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

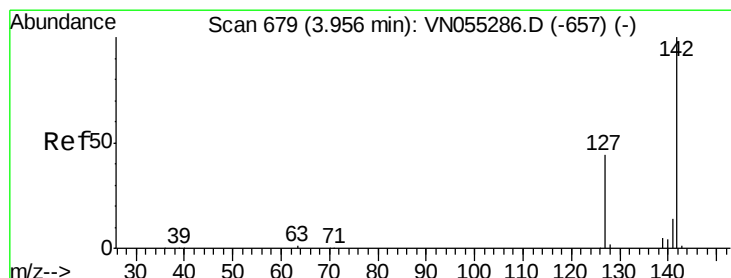
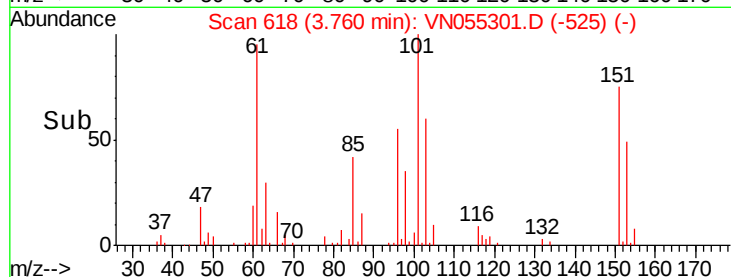
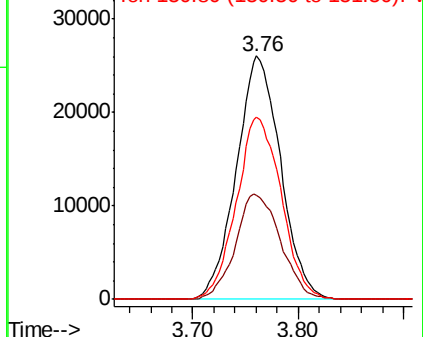
151 75.9 63.3 94.9



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: 19.285 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

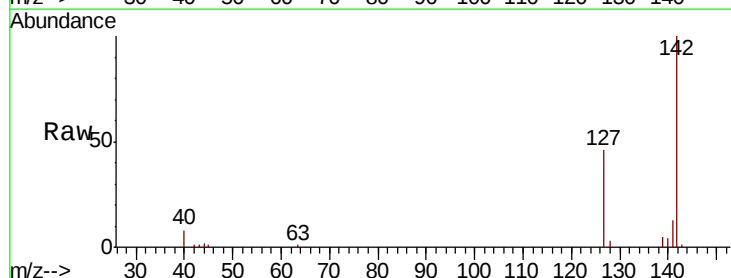
Tgt Ion:142 Resp: 103709

Ion Ratio Lower Upper

142 100

127 43.8 34.4 51.6

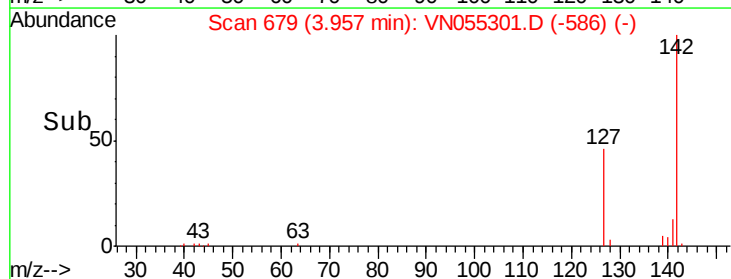
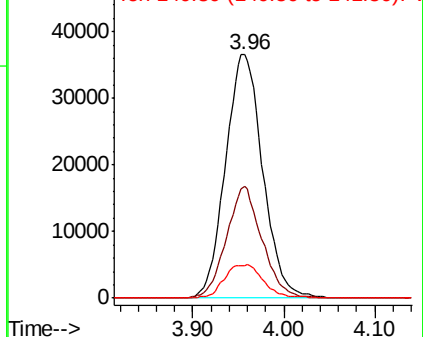
141 6.8 11.5 17.3#



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

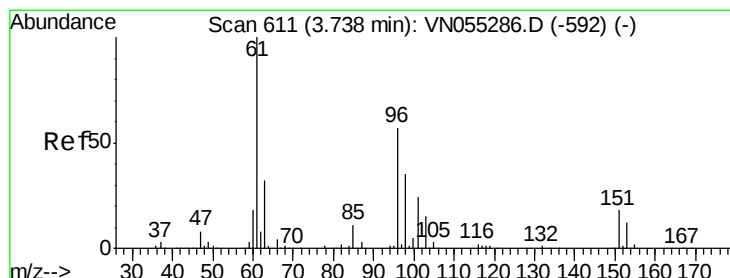
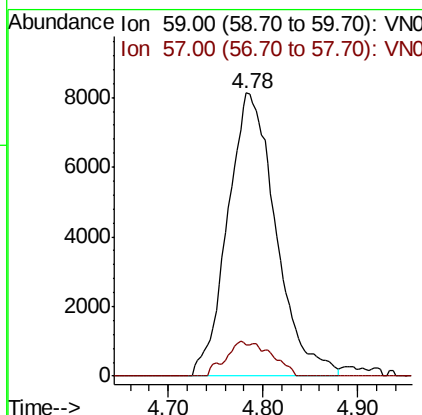
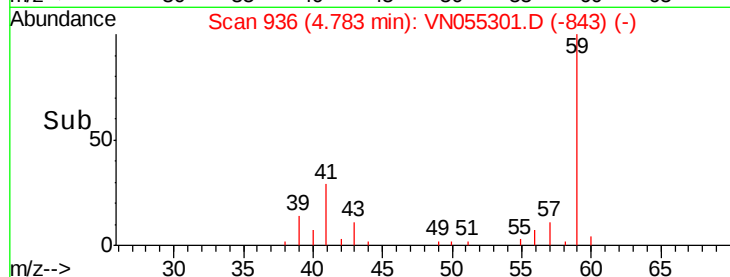
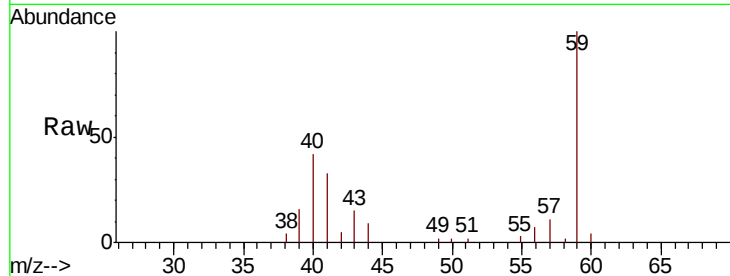




#11
Tert butyl alcohol
Concen: 104.009 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

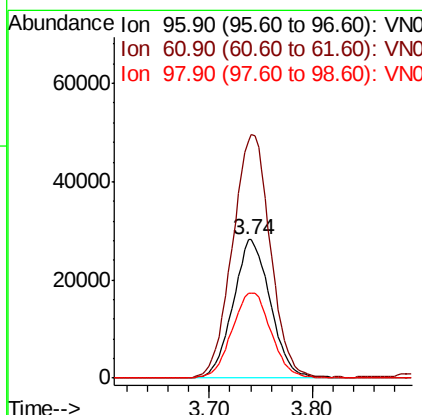
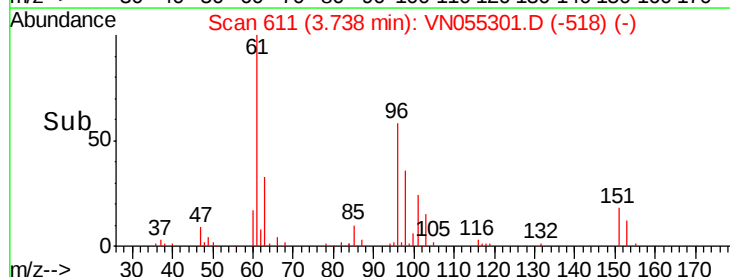
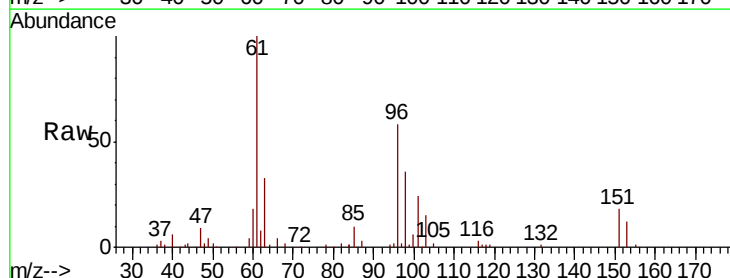
Instrument :
MSVOA_N
ClientSampleId :

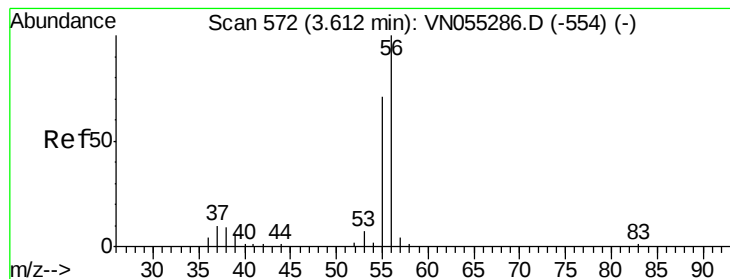
Tot Ion: 59 Resp: 28747
Ion Ratio Lower Upper
59 100
57 6.1 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 19.477 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 96 Resp: 70997
Ion Ratio Lower Upper
96 100
61 171.4 140.9 211.3
98 61.0 50.0 75.0





#13

Acrolein

Concen: 90.845 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

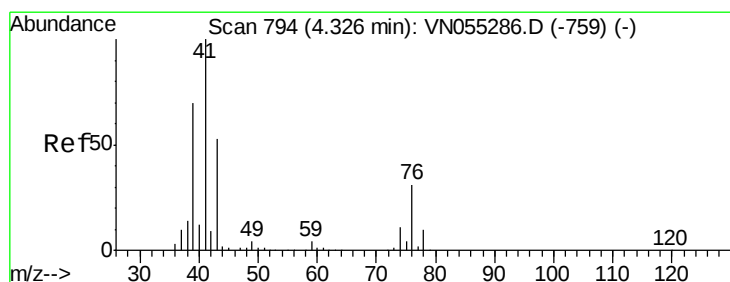
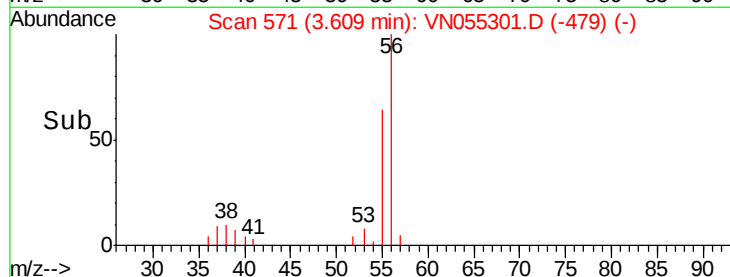
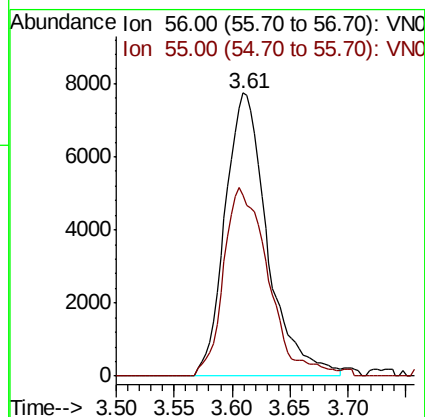
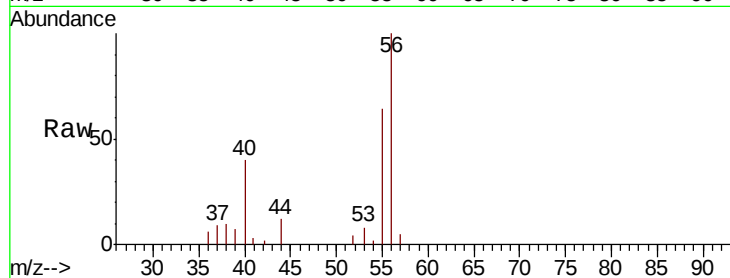
ClientSampleId :

Tot Ion: 56 Resp: 19609

Ion Ratio Lower Upper

56 100

55 70.4 57.4 86.2



#14

Allyl chloride

Concen: 19.271 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

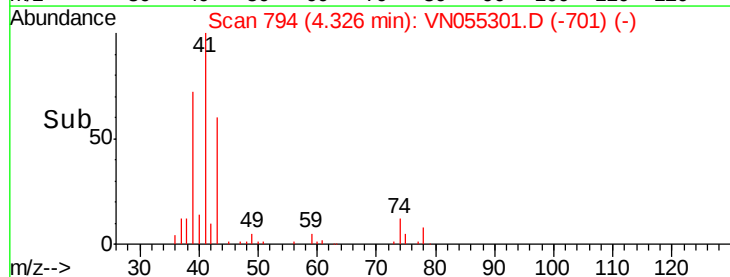
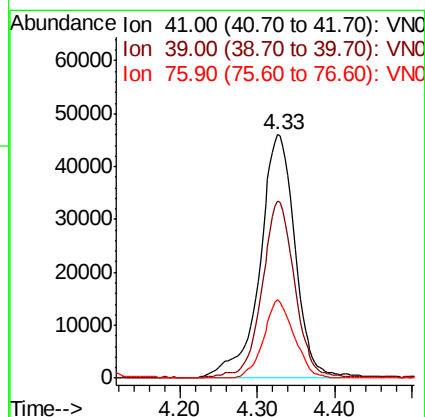
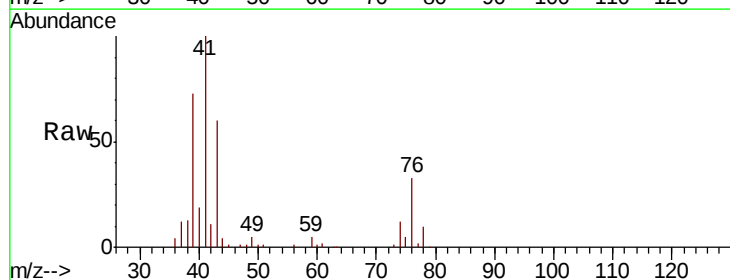
Tgt Ion: 41 Resp: 145488

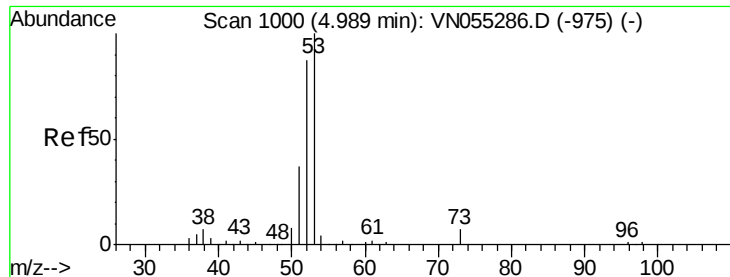
Ion Ratio Lower Upper

41 100

39 65.5 53.0 79.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 104.220 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

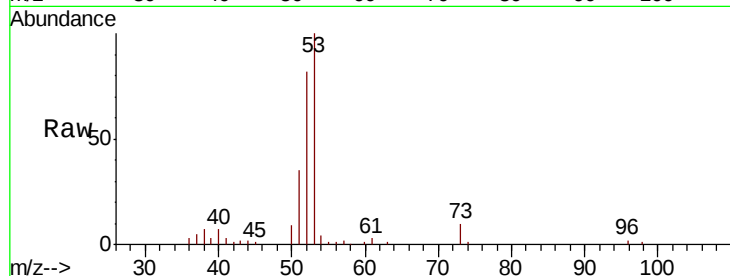
Tot Ion: 53 Resp: 161912

Ion Ratio Lower Upper

53 100

52 83.5 66.5 99.7

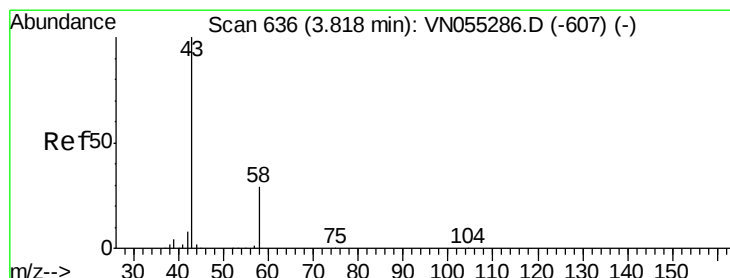
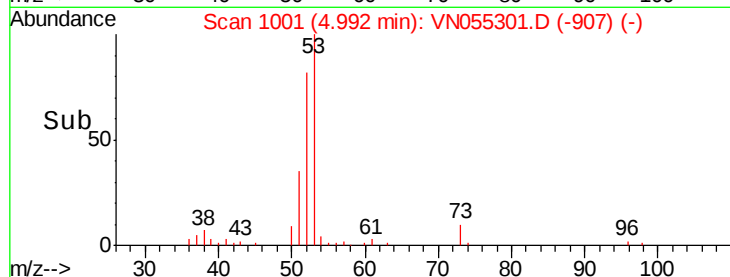
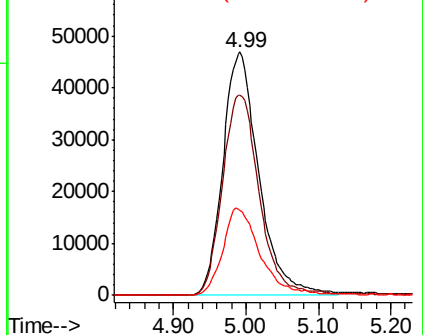
51 36.2 29.6 44.4



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: 103.823 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055301.D

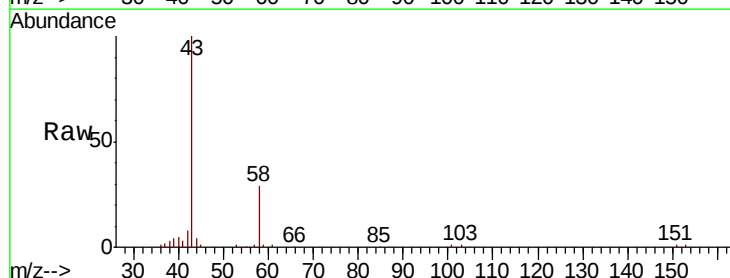
Acq: 30 Apr 2019 12:13

Tgt Ion: 43 Resp: 156171

Ion Ratio Lower Upper

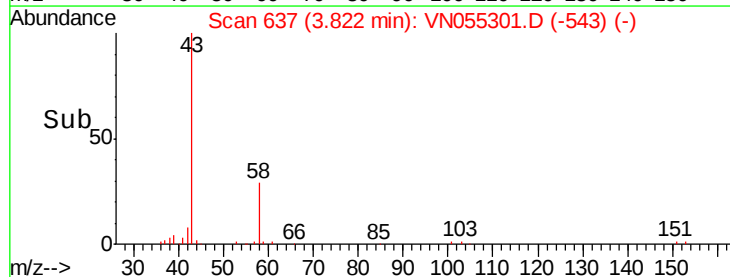
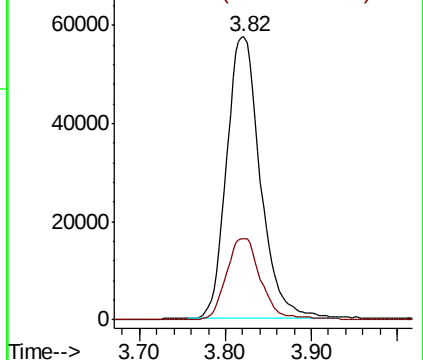
43 100

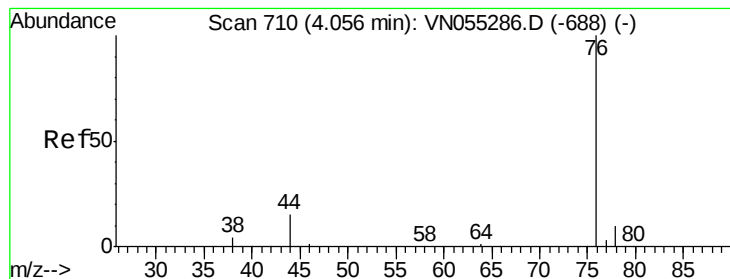
58 28.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.276 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

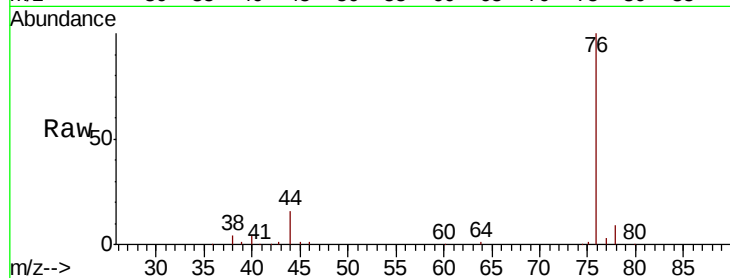
ClientSampleId :

Tot Ion: 76 Resp: 183374

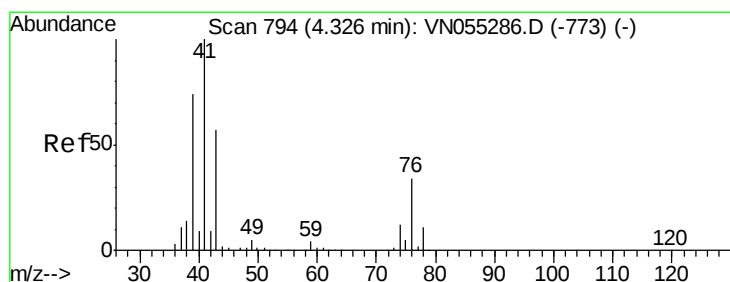
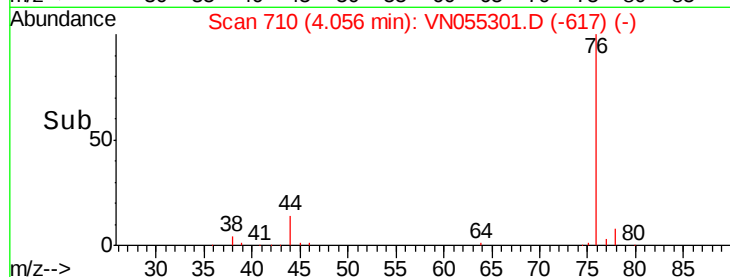
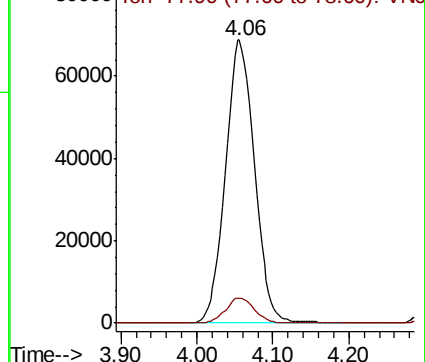
Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 22.418 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055301.D

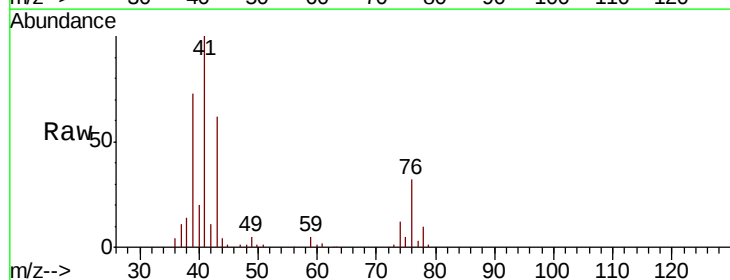
Acq: 30 Apr 2019 12:13

Tgt Ion: 43 Resp: 84239

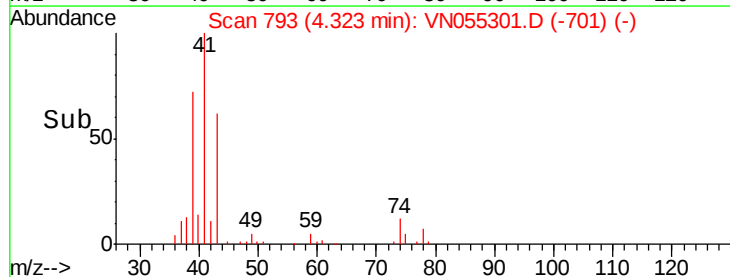
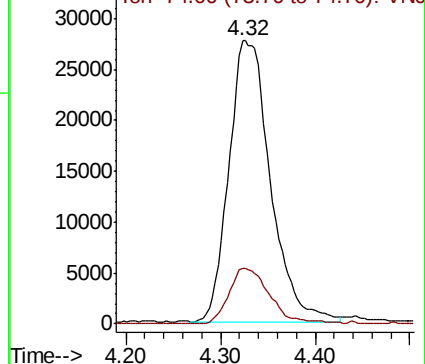
Ion Ratio Lower Upper

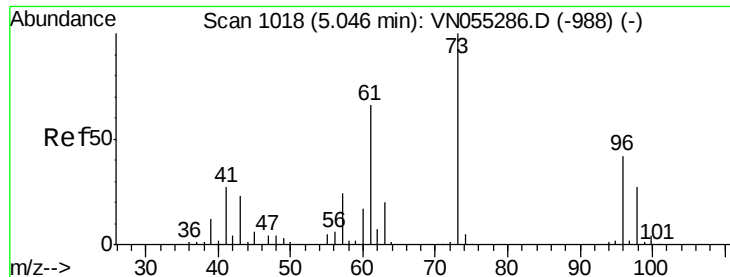
43 100

74 19.0 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

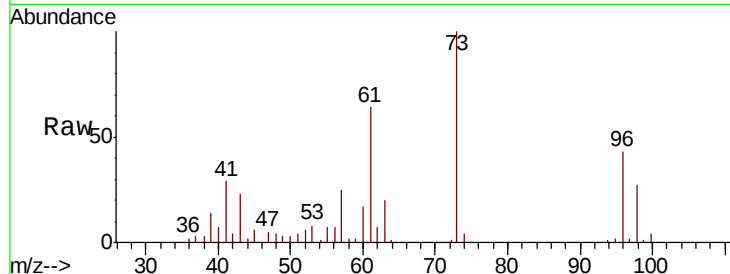




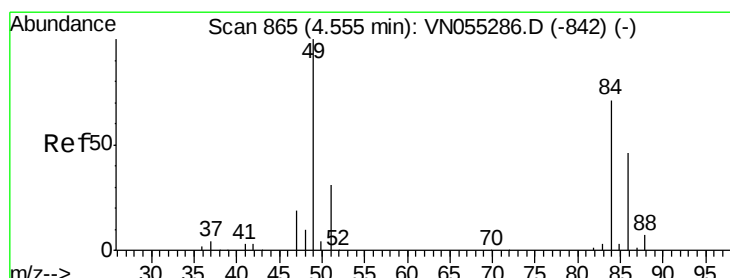
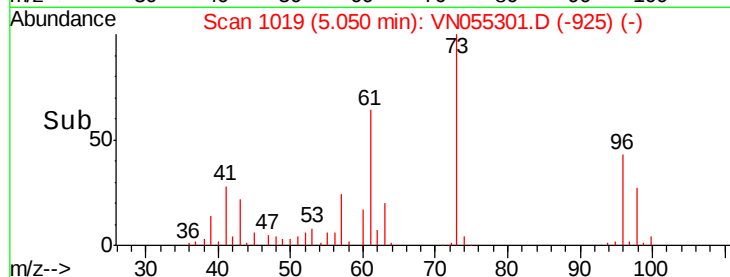
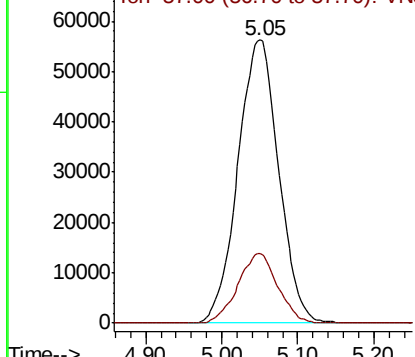
#19
Methyl tert-butyl Ether
Concen: 20.471 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 209783
Ion Ratio Lower Upper
73 100
57 24.6 19.1 28.7

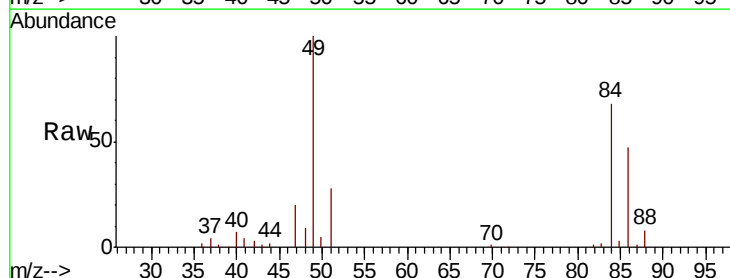


Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

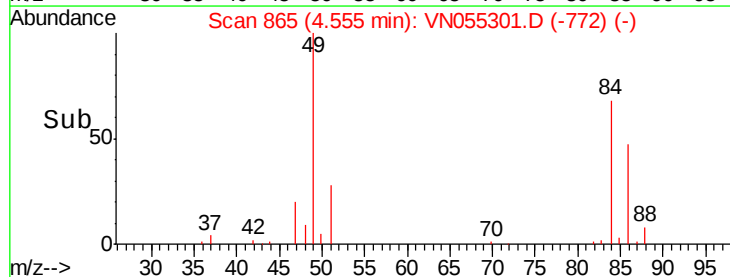
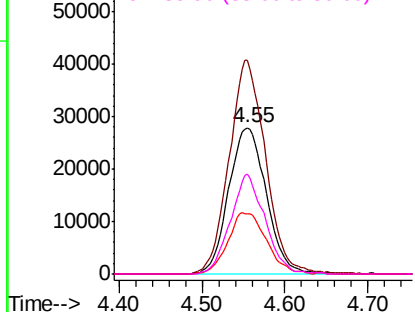


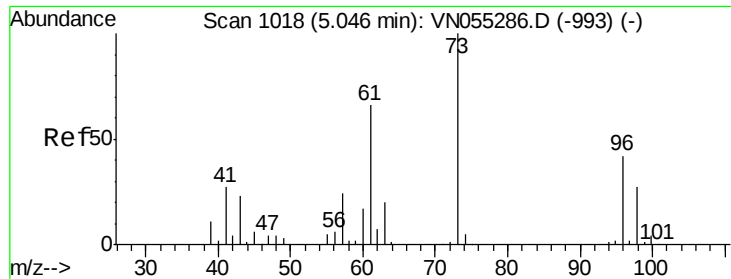
#20
Methylene Chloride
Concen: 19.169 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 84 Resp: 88010
Ion Ratio Lower Upper
84 100
49 146.1 112.4 168.6
51 41.2 34.6 51.8
86 68.3 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

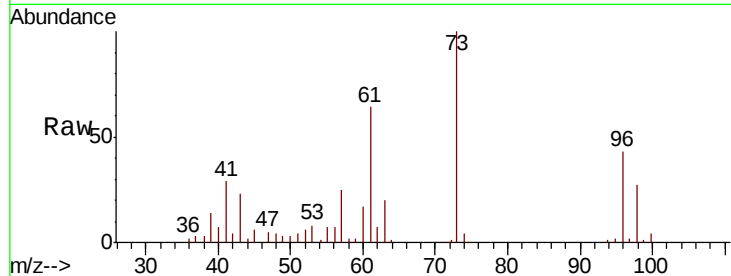




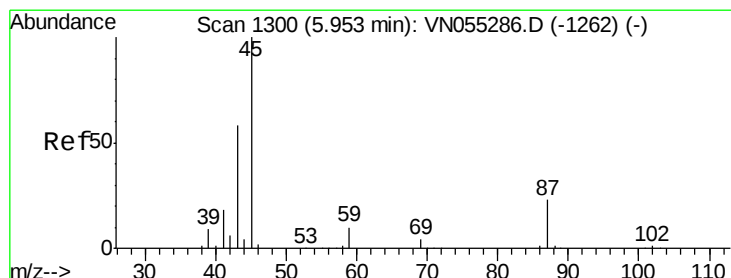
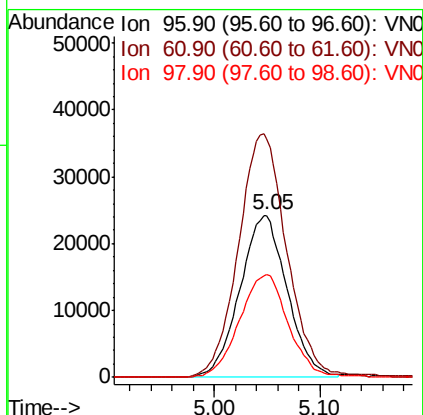
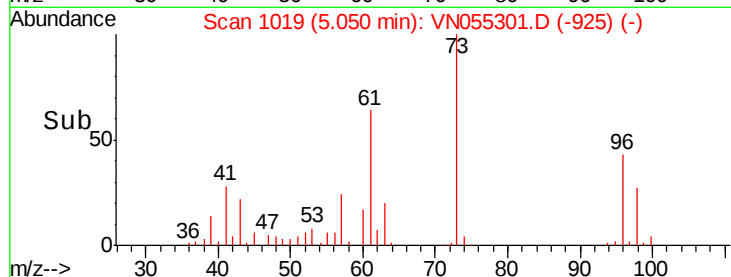
#21
trans-1,2-Dichloroethene
Concen: 19.505 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 75302
Ion Ratio Lower Upper
96 100
61 146.6 126.2 189.4
98 63.2 52.2 78.2

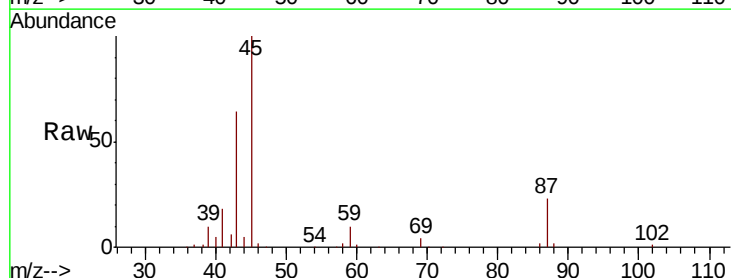


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

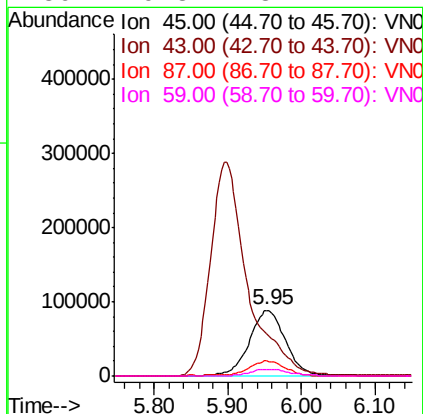
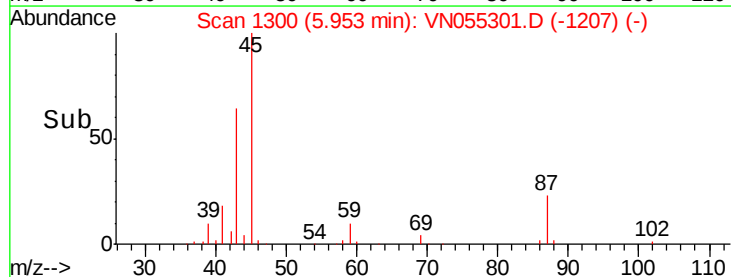


#22
Diisopropyl ether
Concen: 20.273 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 45 Resp: 304110
Ion Ratio Lower Upper
45 100
43 61.2 46.6 70.0
87 22.5 18.1 27.1
59 9.8 8.2 12.2



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

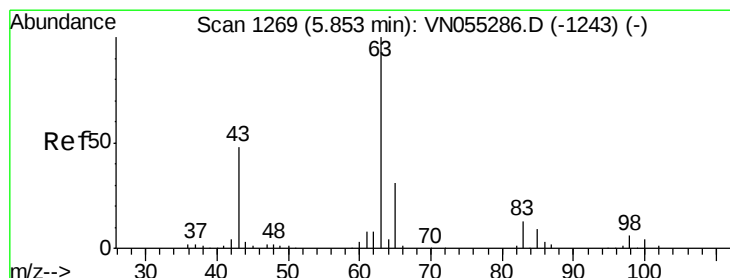
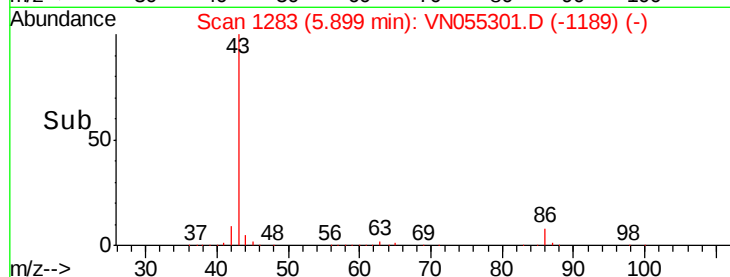
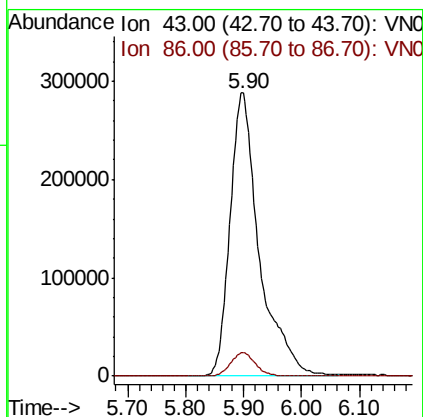
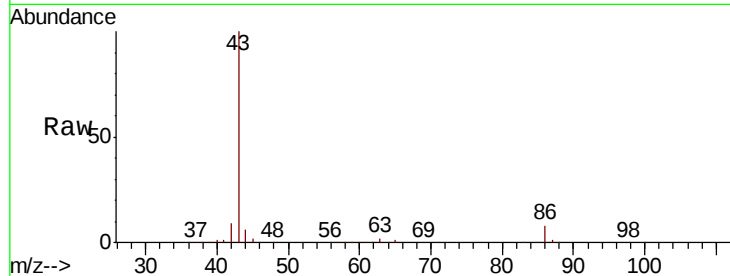




#23
 Vinyl Acetate
 Concen: 102.995 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

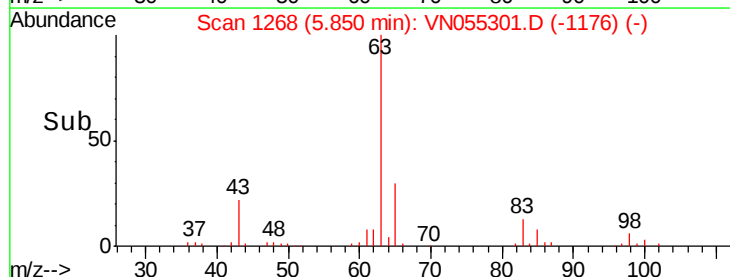
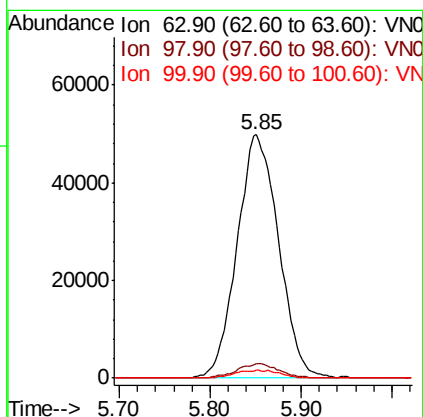
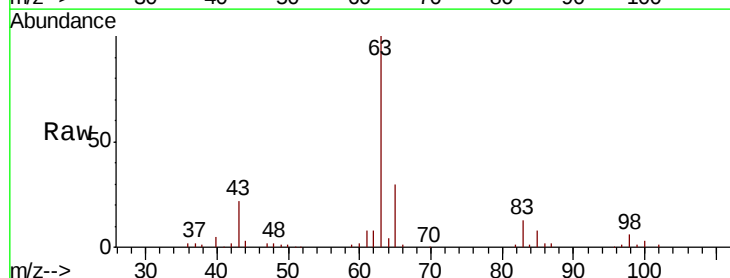
Instrument :
 MSVOA_N
 ClientSampleId :

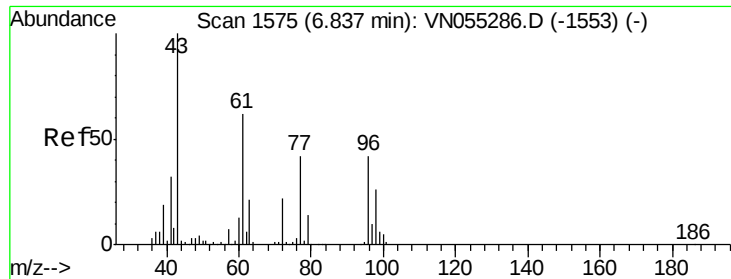
Tot Ion: 43 Resp: 1012572
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 19.757 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 63 Resp: 157905
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.2 1.8 5.4

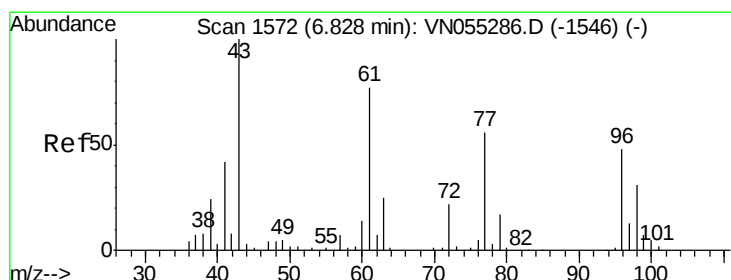
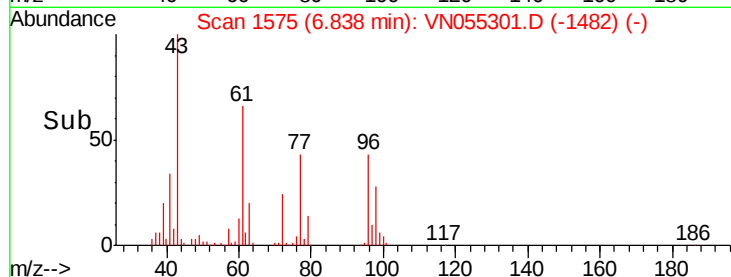
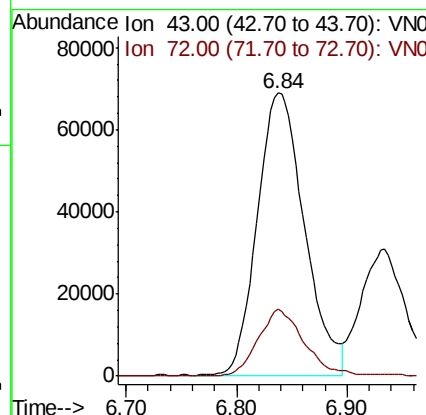
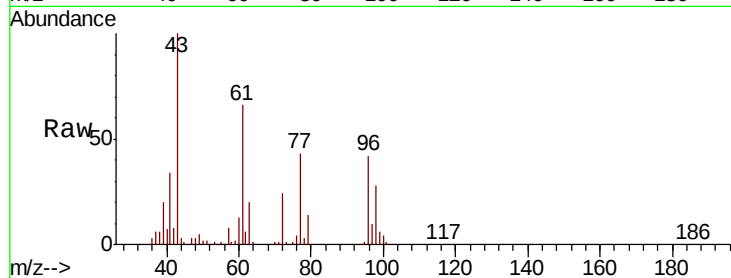




#25
2-Butanone
Concen: 106.406 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

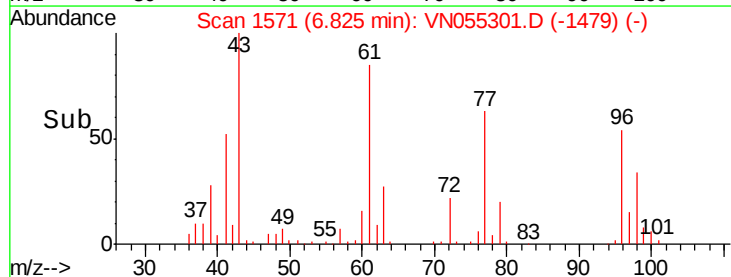
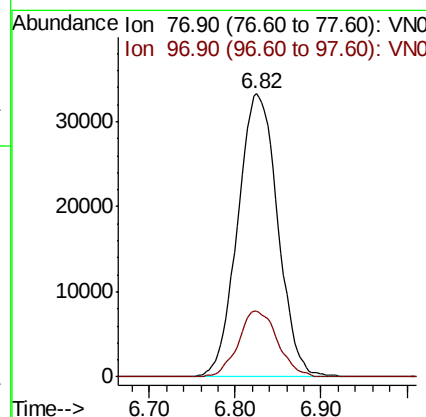
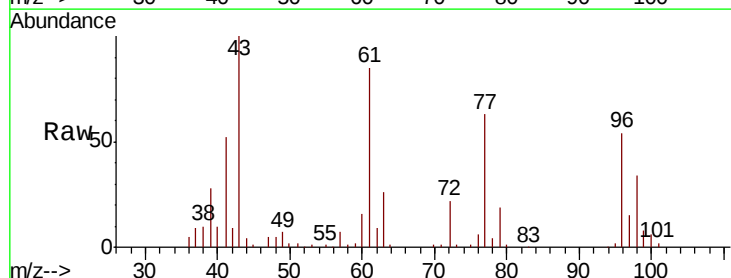
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 204691
Ion Ratio Lower Upper
43 100
72 23.6 18.0 27.0



#26
2,2-Dichloropropane
Concen: 19.457 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 77 Resp: 107382
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

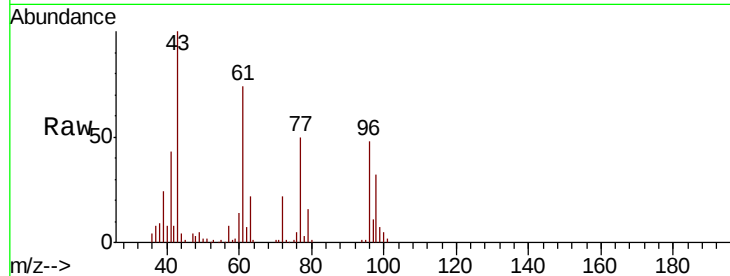
Tot Ion: 96 Resp: 89693

Ion Ratio Lower Upper

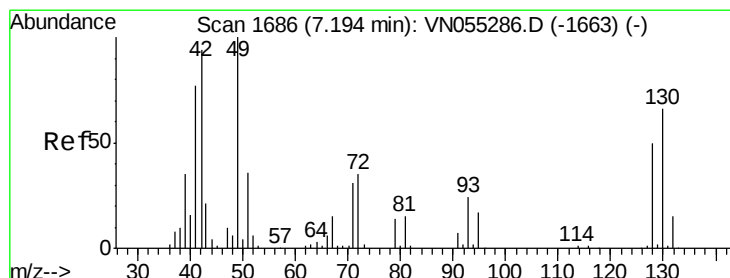
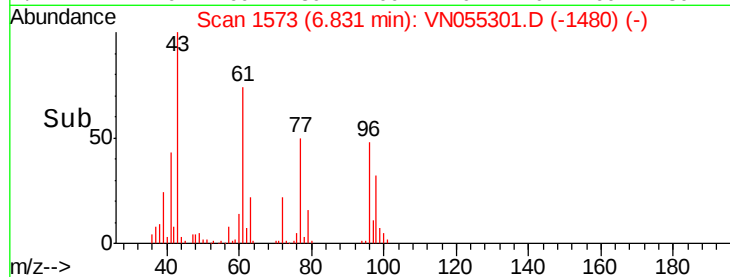
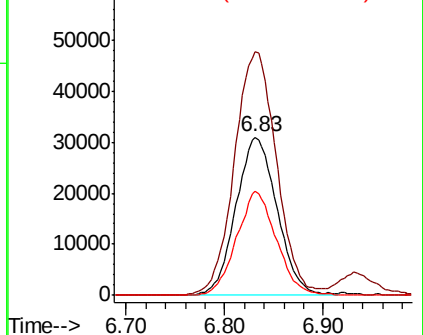
96 100

61 157.7 0.0 316.2

98 63.4 0.0 126.6



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: 20.399 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

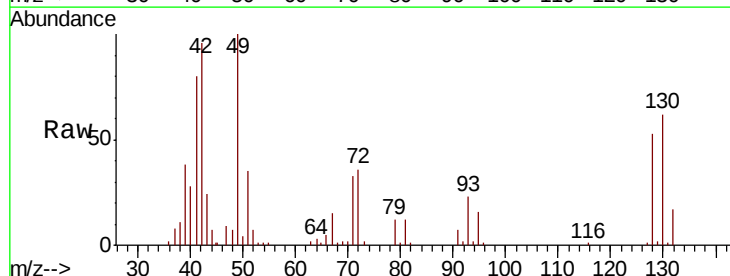
Tgt Ion: 49 Resp: 82183

Ion Ratio Lower Upper

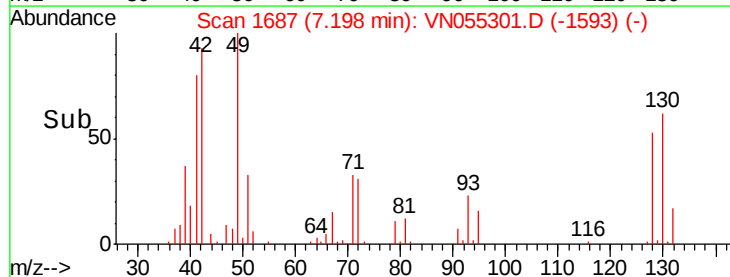
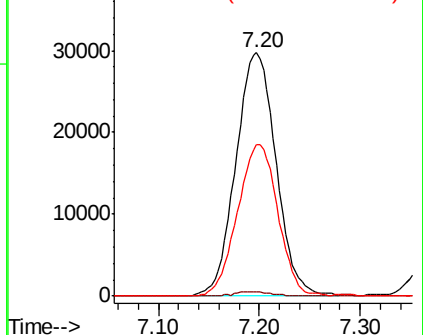
49 100

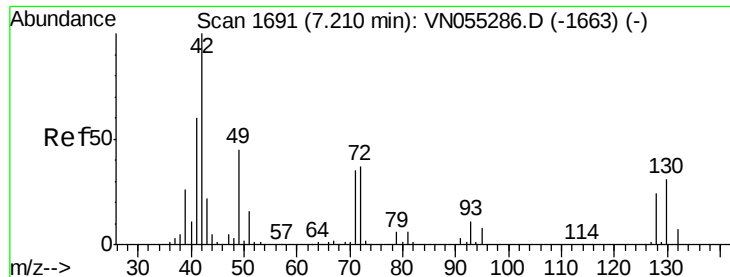
129 1.5 0.0 2.4

130 62.6 52.0 78.0



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

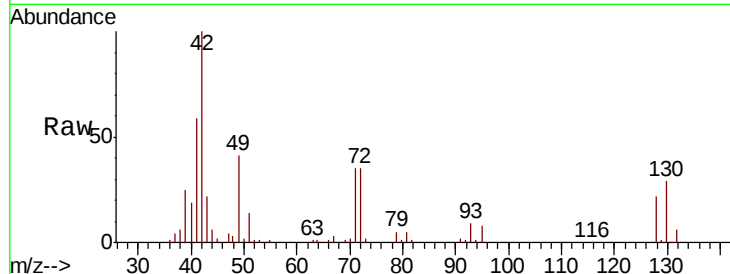




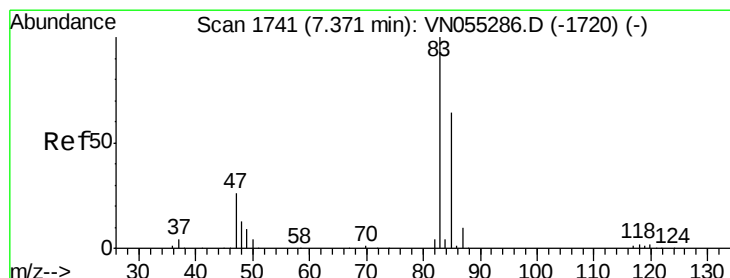
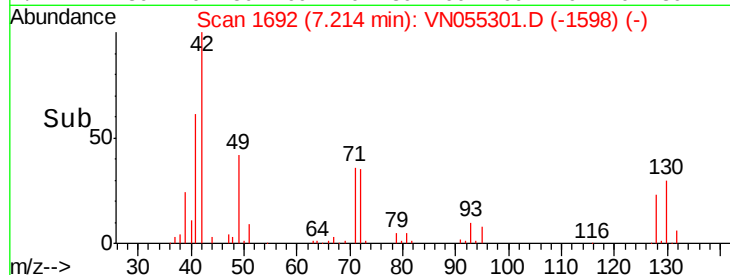
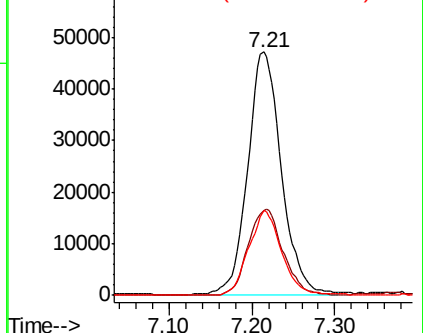
#29
Tetrahydrofuran
Concen: 107.173 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 132014
Ion Ratio Lower Upper
42 100
72 36.8 29.0 43.6
71 34.4 27.1 40.7

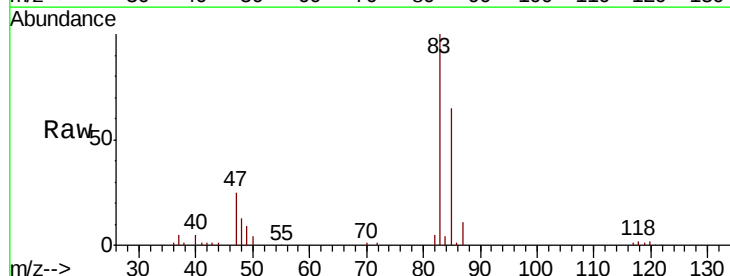


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

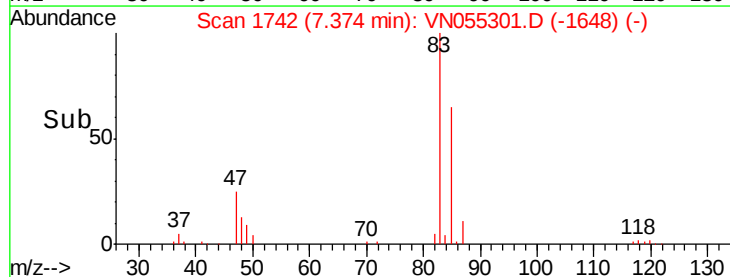
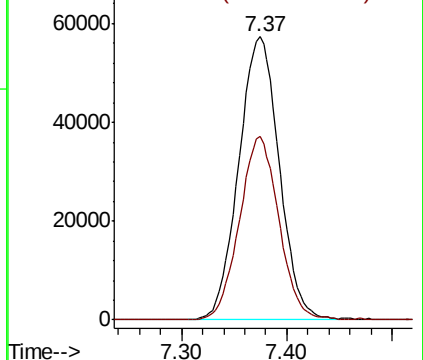


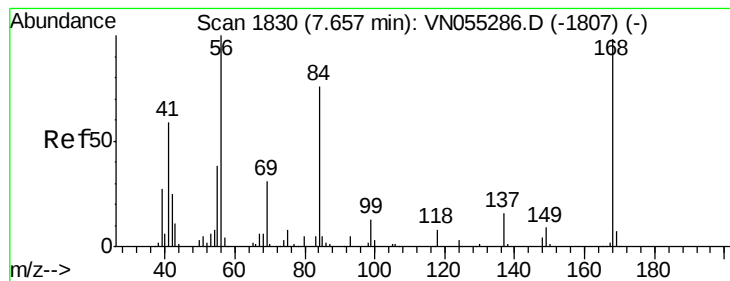
#30
Chloroform
Concen: 20.201 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 83 Resp: 153051
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2



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





#31

Cyclohexane

Concen: 18.941 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :

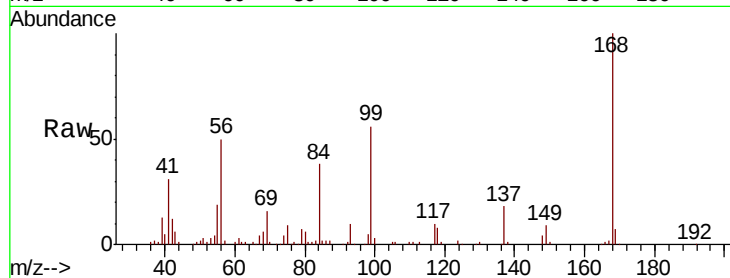
Tot Ion: 56 Resp: 143827

Ion Ratio Lower Upper

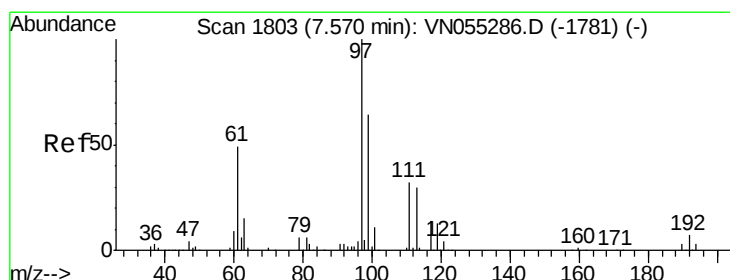
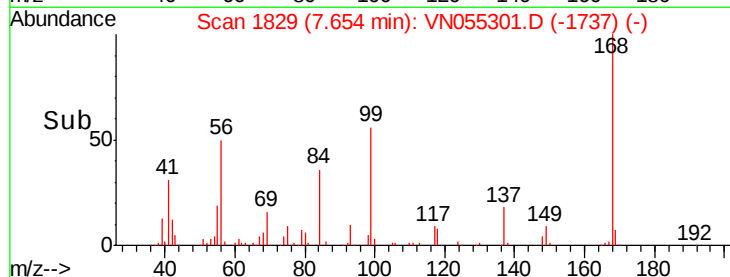
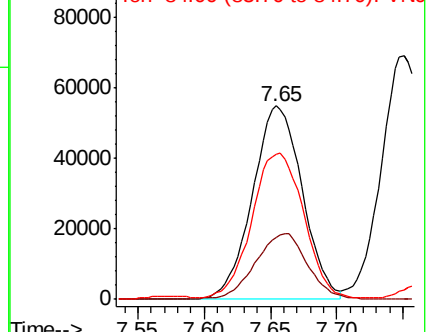
56 100

69 32.2 25.2 37.8

84 74.3 61.1 91.7



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



#32

1,1,1-Trichloroethane

Concen: 19.921 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

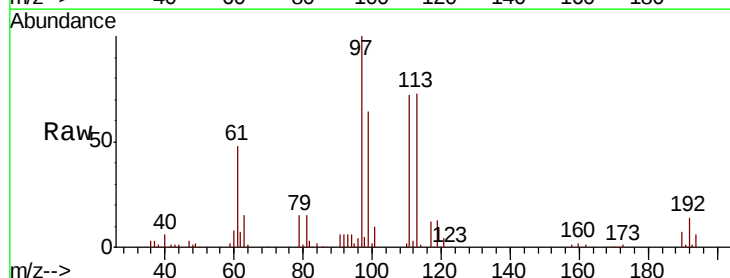
Tgt Ion: 97 Resp: 122494

Ion Ratio Lower Upper

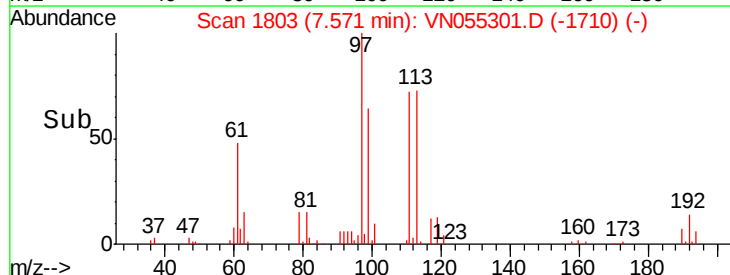
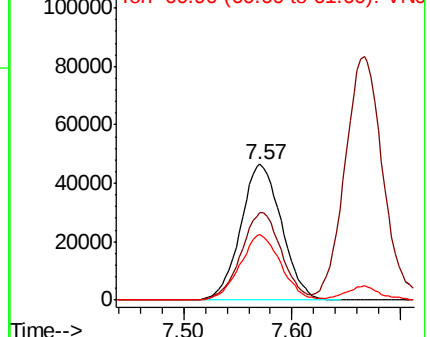
97 100

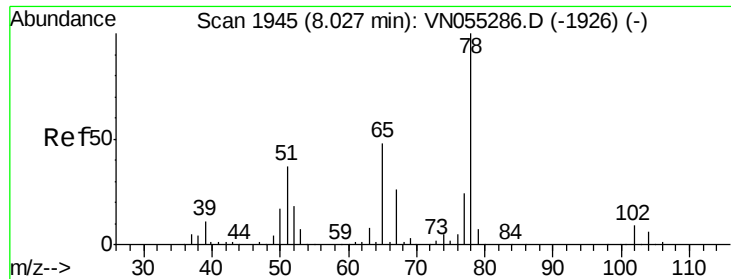
99 63.7 51.8 77.8

61 48.0 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 50.005 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

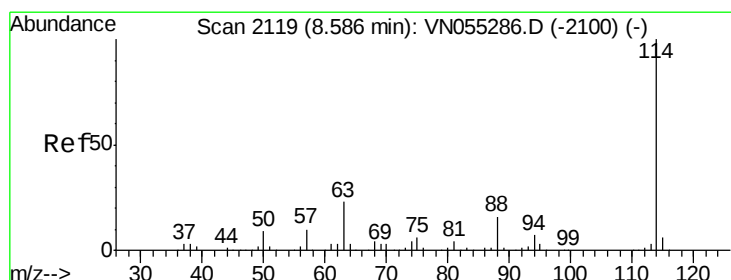
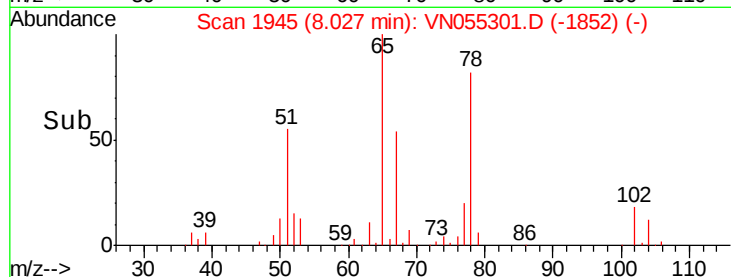
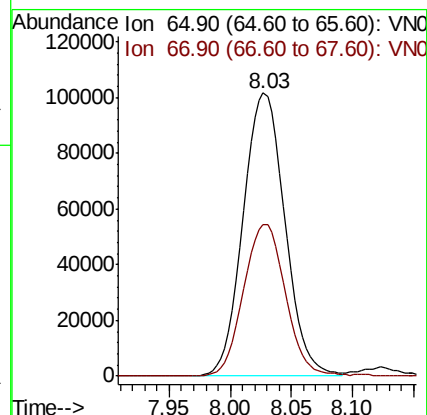
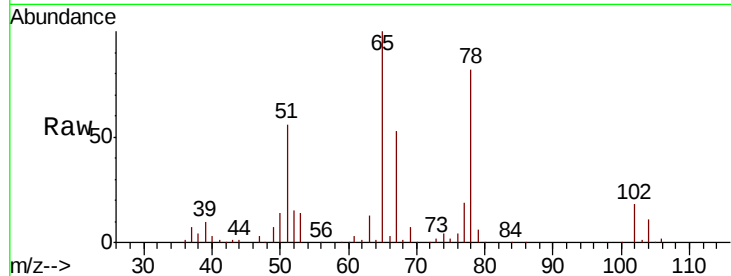
ClientSampleId :

Tot Ion: 65 Resp: 241402

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

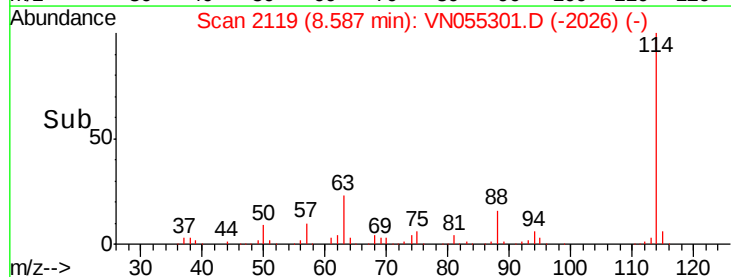
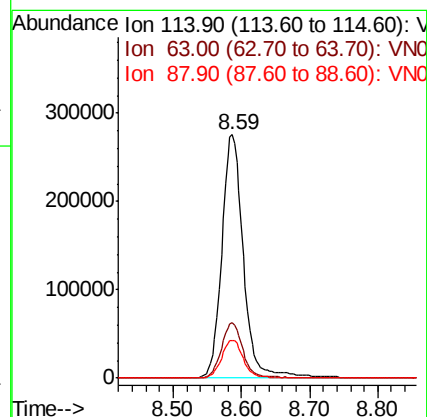
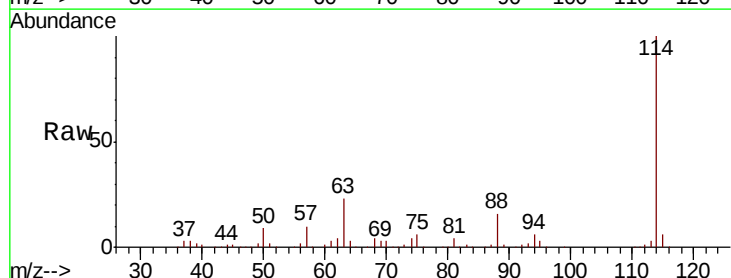
Tgt Ion: 114 Resp: 607586

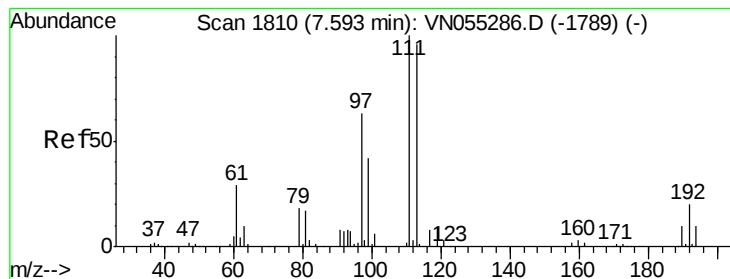
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.125 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

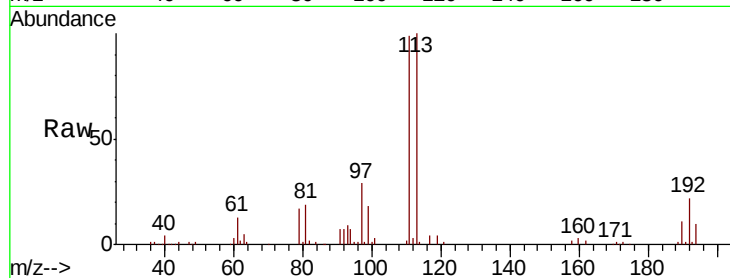
Tot Ion:113 Resp: 195912

Ion Ratio Lower Upper

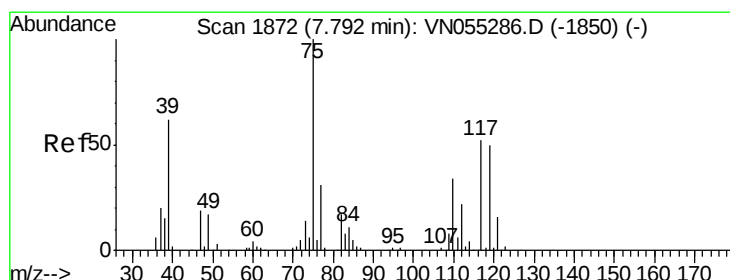
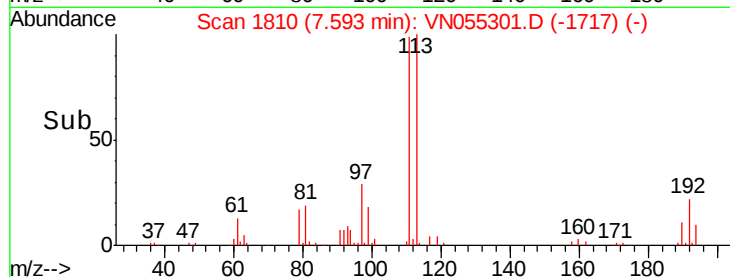
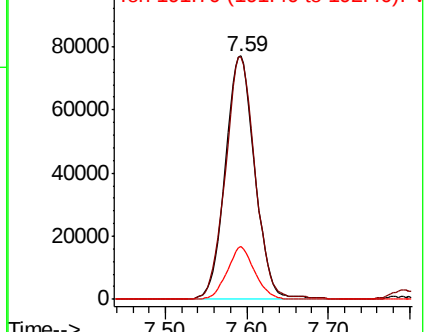
113 100

111 98.9 82.3 123.5

192 20.1 17.0 25.6



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: 18.370 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

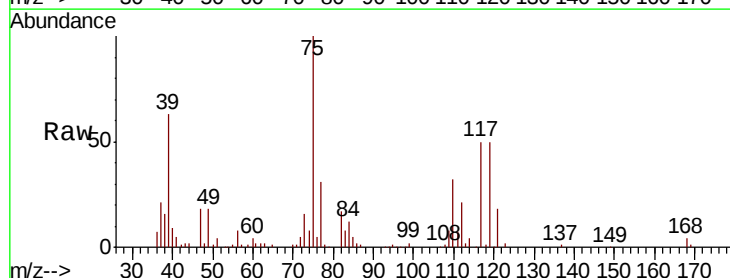
Tgt Ion: 75 Resp: 106911

Ion Ratio Lower Upper

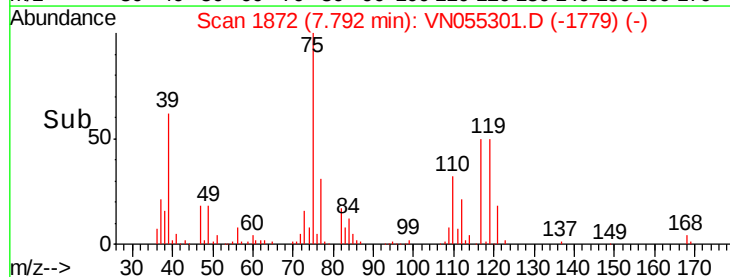
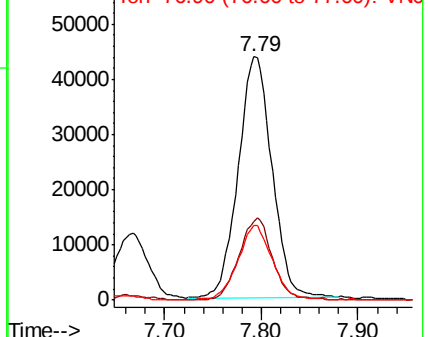
75 100

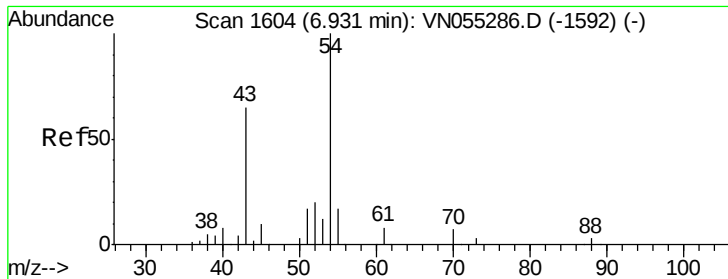
110 33.5 16.8 50.4

77 31.4 25.0 37.6



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

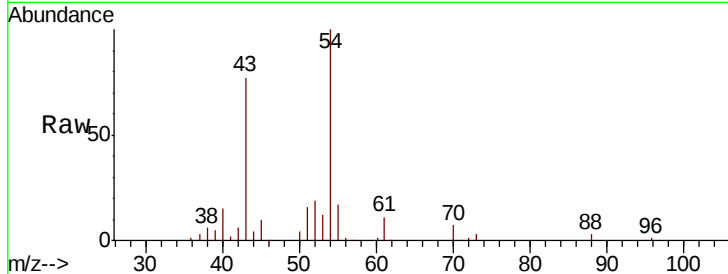




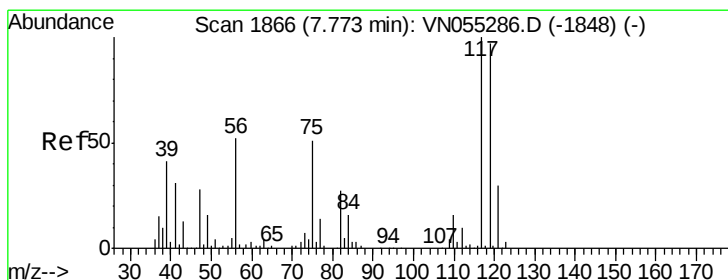
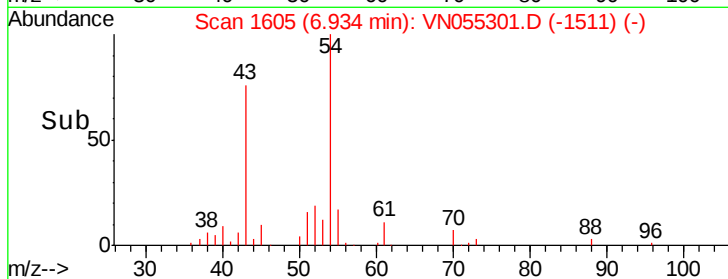
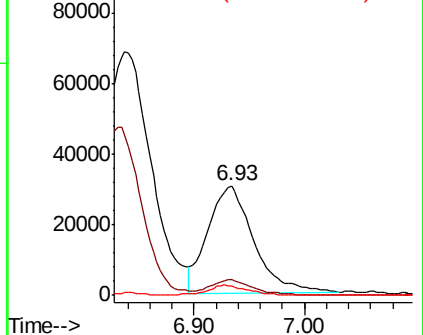
#37
Ethyl Acetate
Concen: 19.679 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 87774
Ion Ratio Lower Upper
43 100
61 13.5 10.4 15.6
70 8.5 6.6 10.0

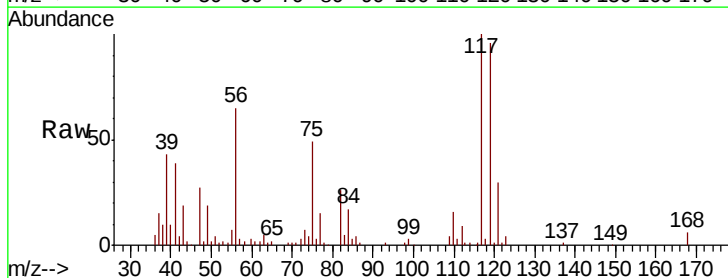


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

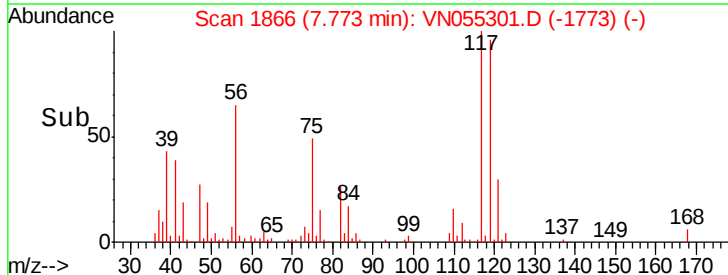
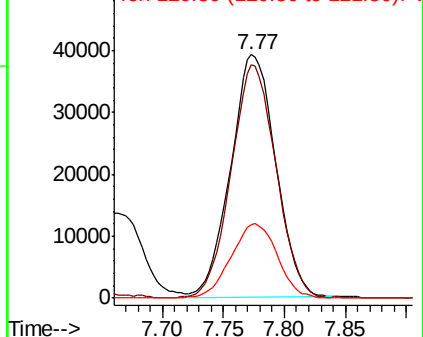


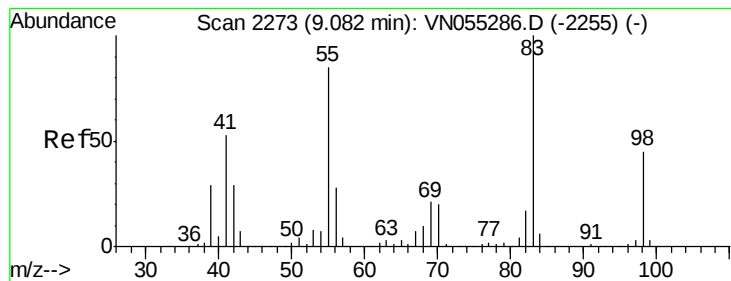
#38
Carbon Tetrachloride
Concen: 17.868 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 117 Resp: 100310
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6
121 30.5 23.8 35.8



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





#39

Methvlcvclohexane

Concen: 18.383 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

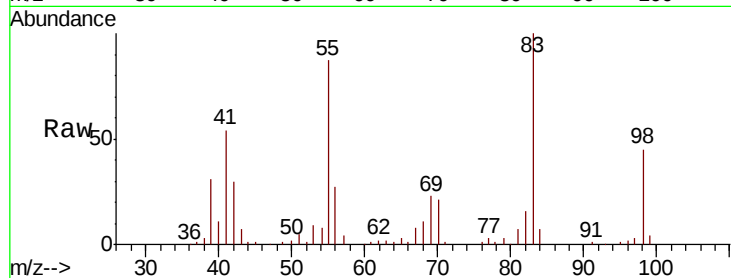
Tot Ion: 83 Resp: 113748

Ion Ratio Lower Upper

83 100

55 87.3 67.8 101.6

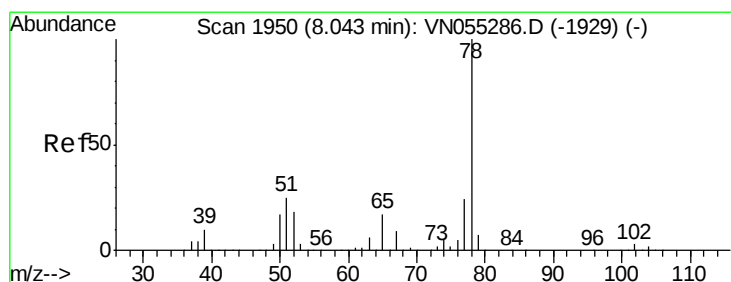
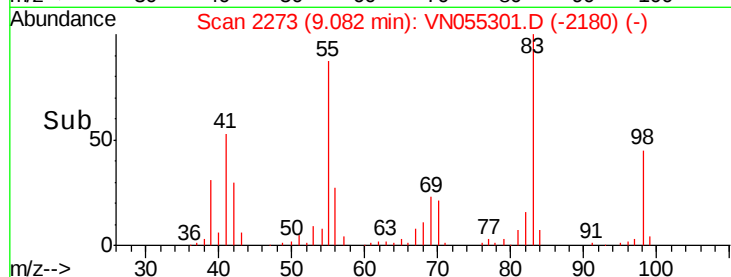
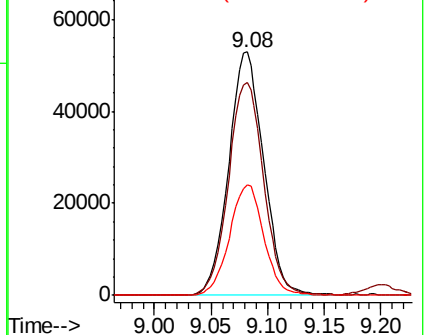
98 45.5 36.2 54.4



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: 19.072 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055301.D

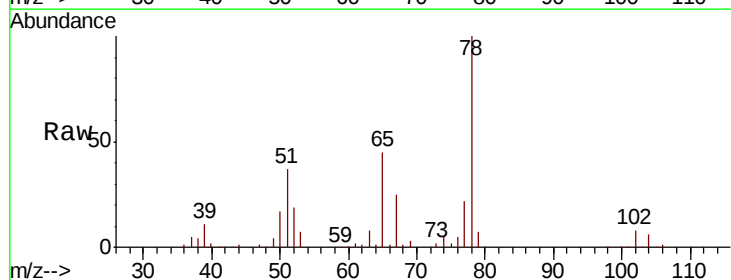
Acq: 30 Apr 2019 12:13

Tgt Ion: 78 Resp: 327198

Ion Ratio Lower Upper

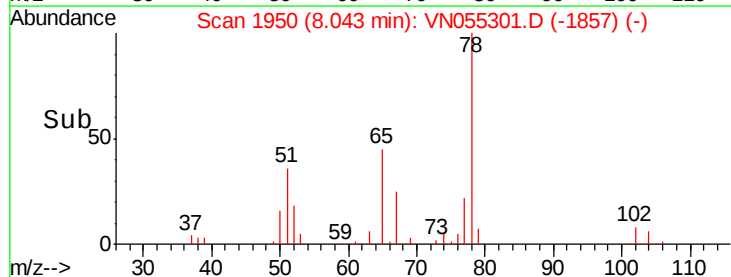
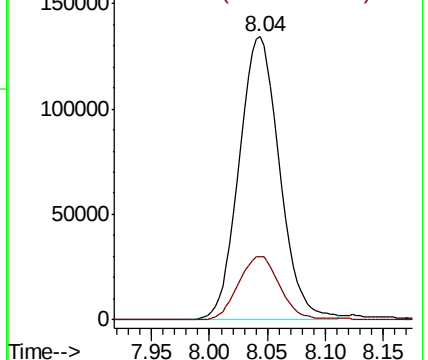
78 100

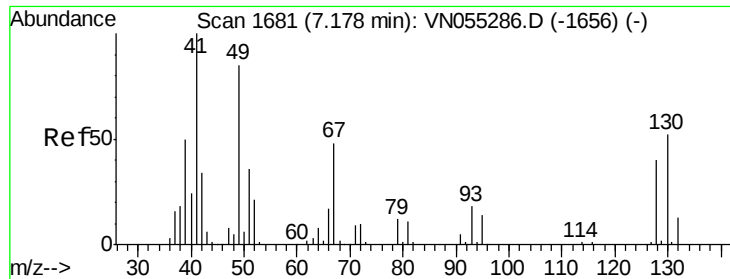
77 22.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

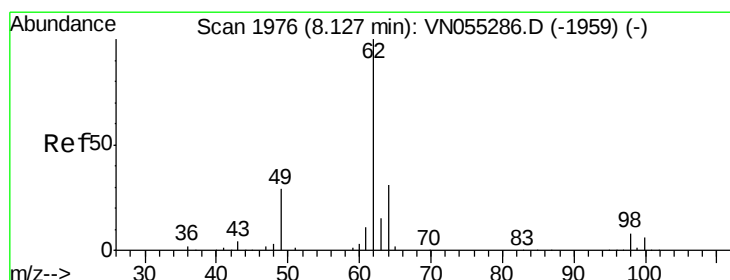
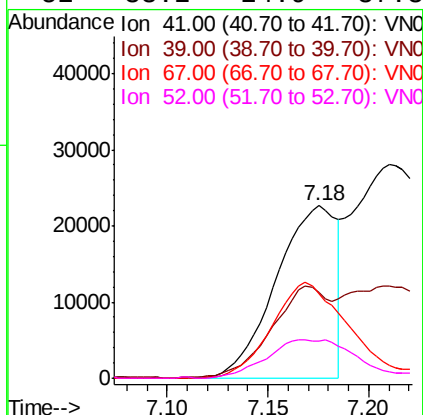
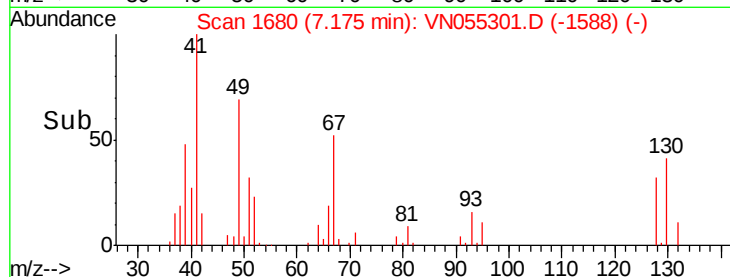
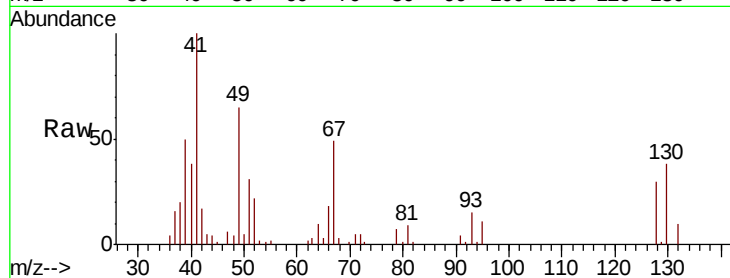




#41
Methacrylonitrile
Concen: 20.010 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

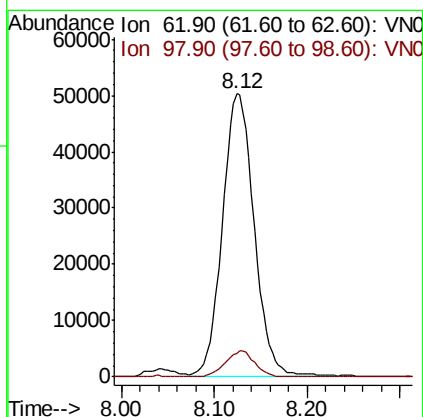
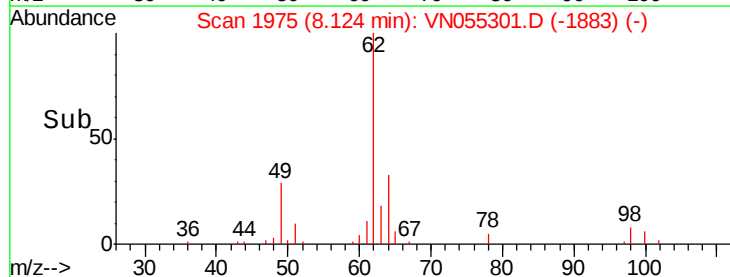
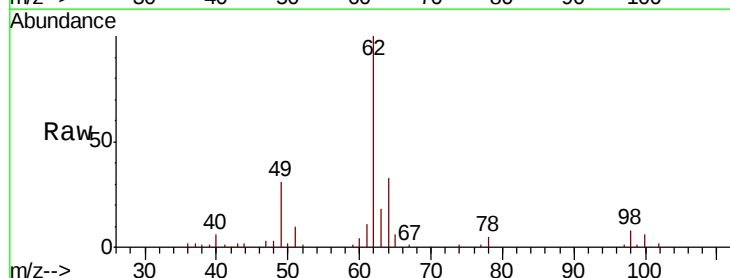
Instrument :
MSVOA_N
ClientSampleId :

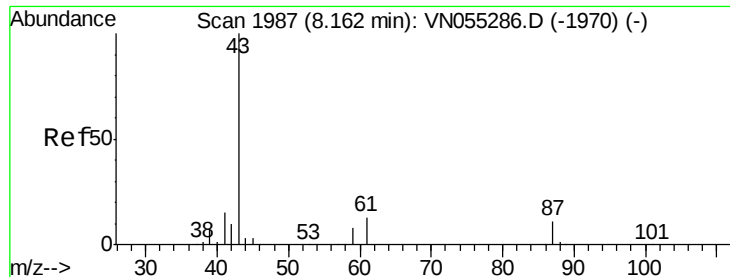
Tot Ion: 41 Resp: 47217
Ion Ratio Lower Upper
41 100
39 50.3 48.5 72.7
67 71.9 54.9 82.3
52 33.2 24.9 37.3



#42
1,2-Dichloroethane
Concen: 19.477 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 62 Resp: 118349
Ion Ratio Lower Upper
62 100
98 8.6 0.0 16.4





#43

Isopropyl Acetate

Concen: 20.096 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

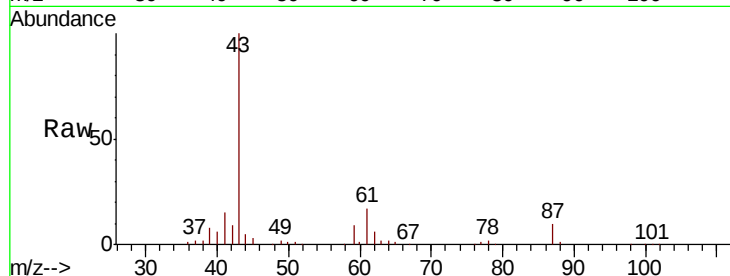
Tot Ion: 43 Resp: 144052

Ion Ratio Lower Upper

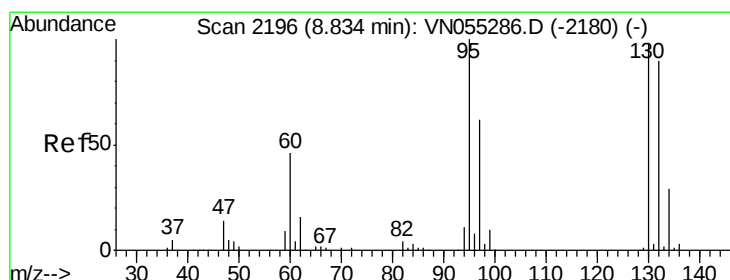
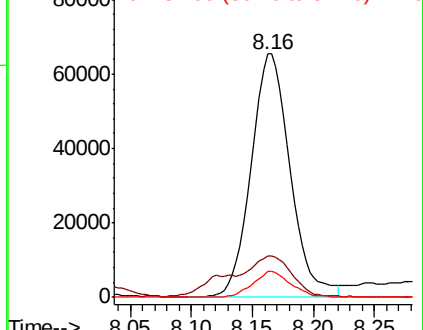
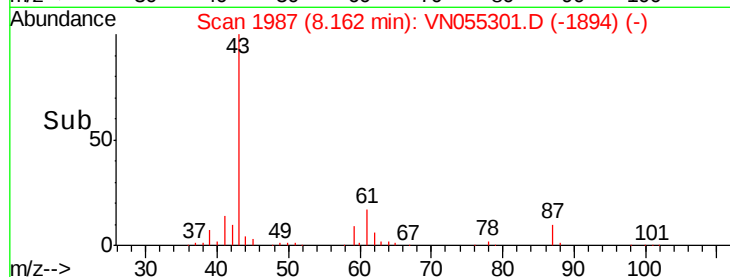
43 100

61 17.6 20.8 31.2#

87 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055301.D (-1894) (-)



#44

Trichloroethene

Concen: 18.976 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055301.D

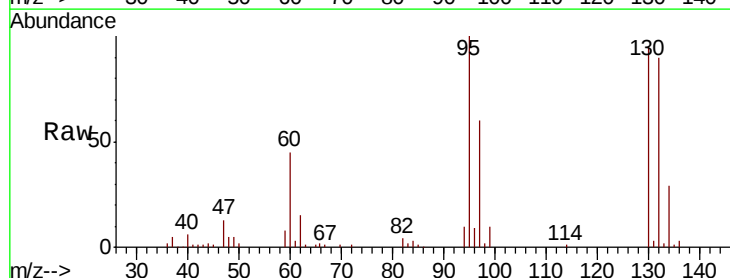
Acq: 30 Apr 2019 12:13

Tgt Ion:130 Resp: 82995

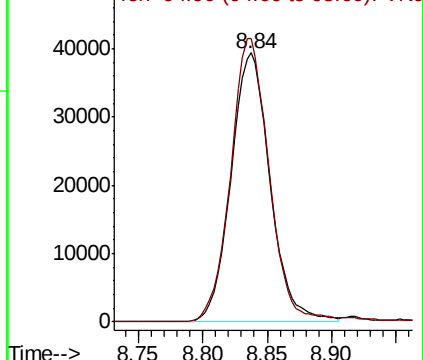
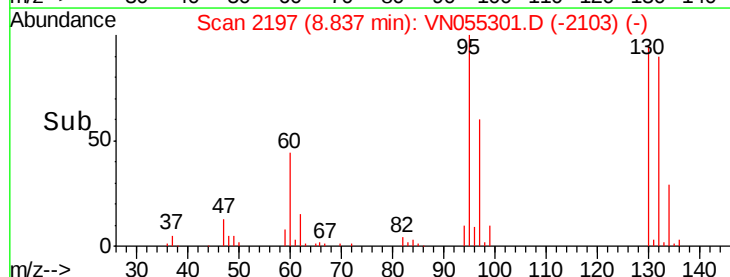
Ion Ratio Lower Upper

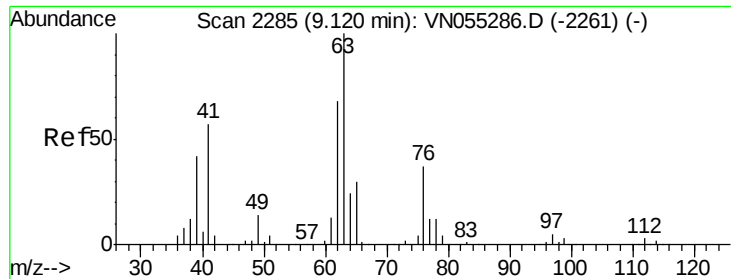
130 100

95 105.2 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055301.D (-2103) (-)

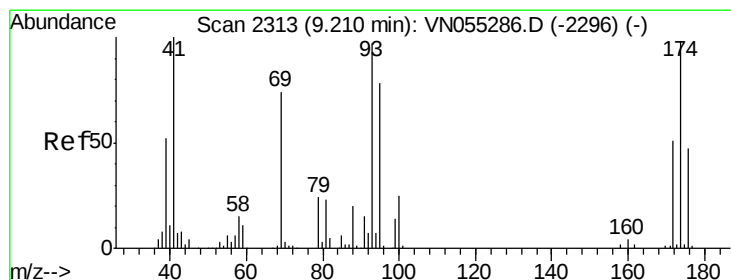
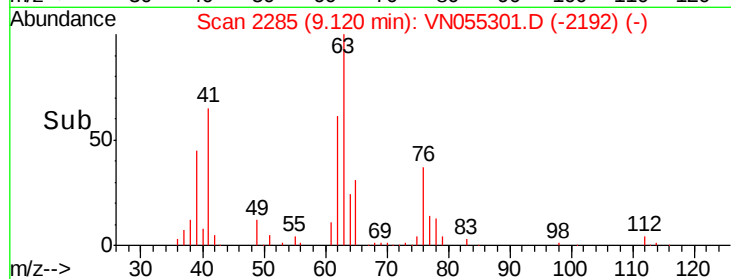
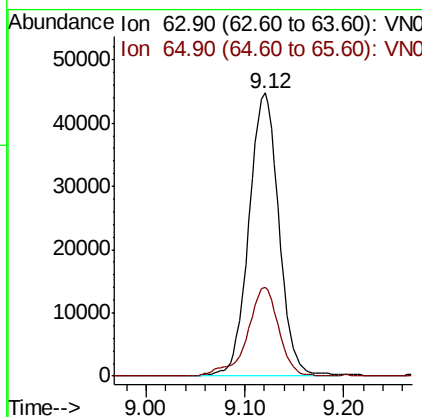
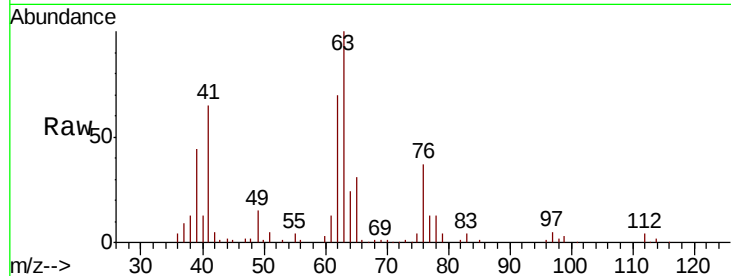




#45
 1,2-Dichloropropane
 Concen: 18.998 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

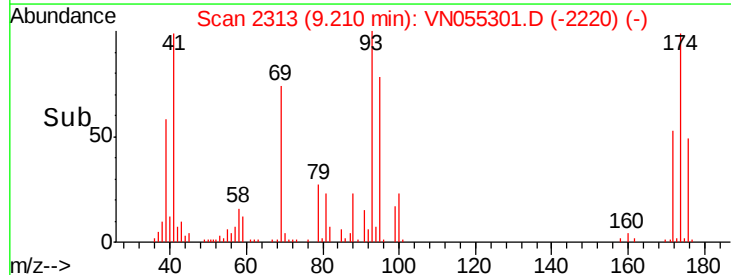
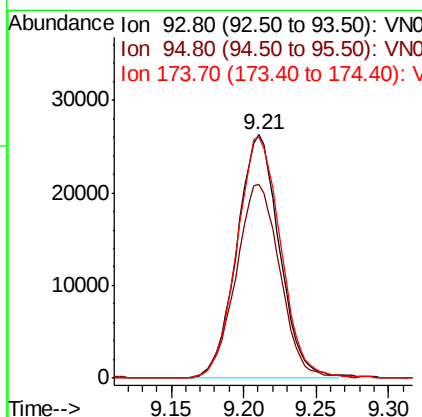
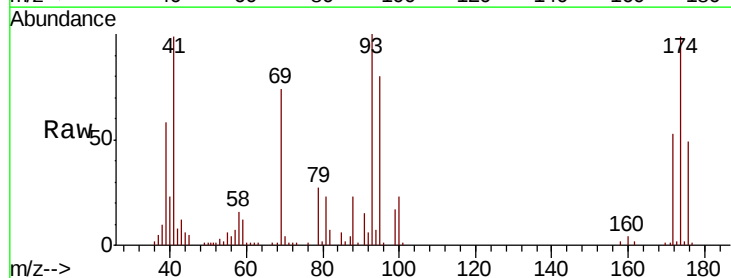
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 94003
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.9 35.9



#46
 Dibromomethane
 Concen: 19.761 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 93 Resp: 53448
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.7 98.5
 174 102.5 81.5 122.3





#47

Bromodichloromethane

Concen: 19.330 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

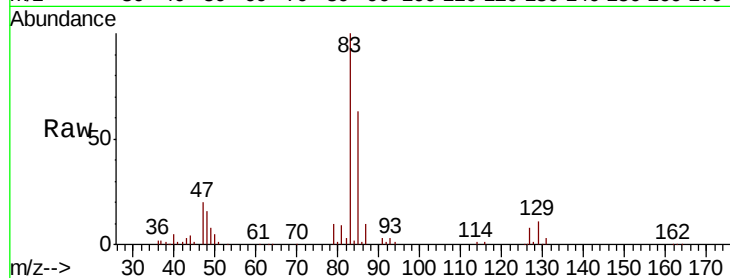
Tot Ion: 83 Resp: 112160

Ion Ratio Lower Upper

83 100

85 63.2 50.1 75.1

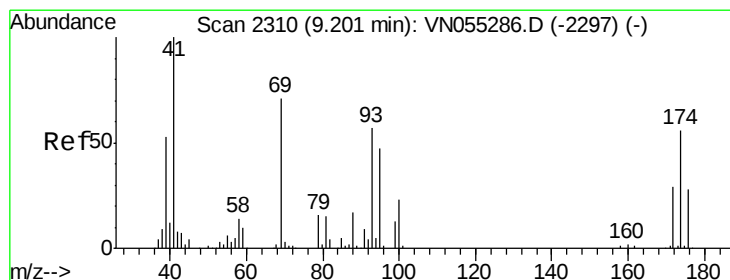
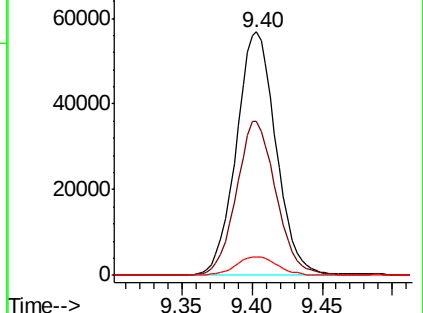
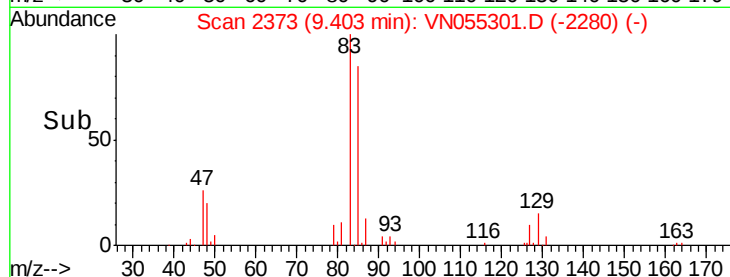
127 7.6 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055301.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055301.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055301.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.643 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

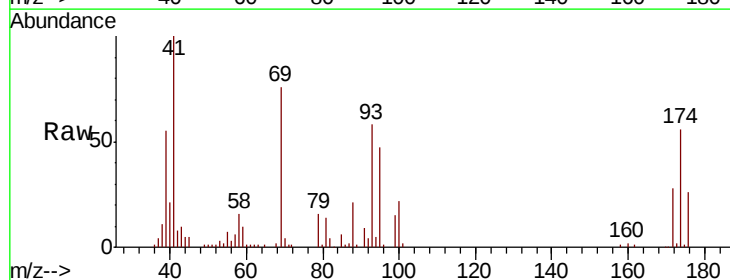
Tgt Ion: 41 Resp: 65693

Ion Ratio Lower Upper

41 100

69 80.7 58.6 87.8

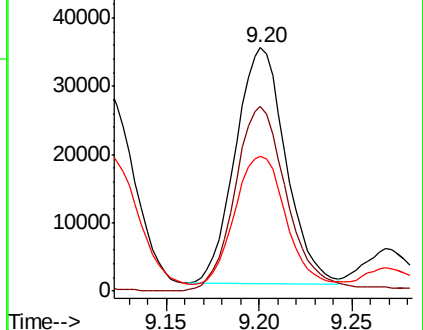
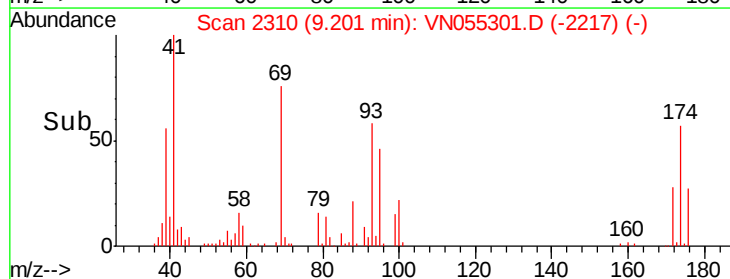
39 58.7 43.8 65.6

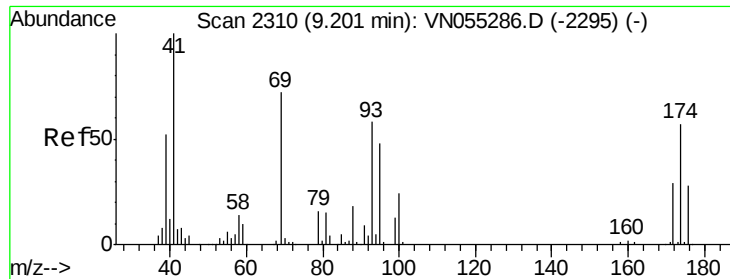


Abundance Ion 41.00 (40.70 to 41.70): VN055301.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055301.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055301.D (-2217) (-)

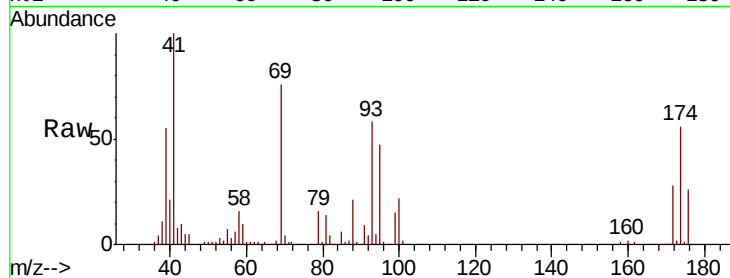




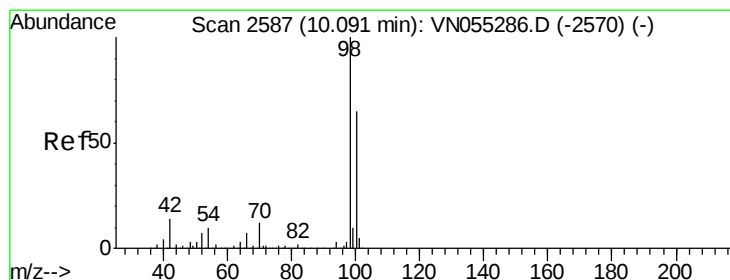
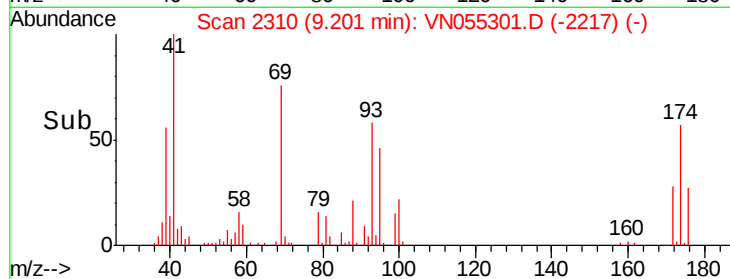
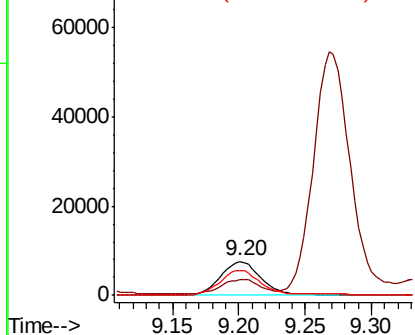
#49
 1,4-Dioxane
 Concen: 443.601 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 16159
 Ion Ratio Lower Upper
 88 100
 43 38.5 33.3 49.9
 58 73.4 62.7 94.1

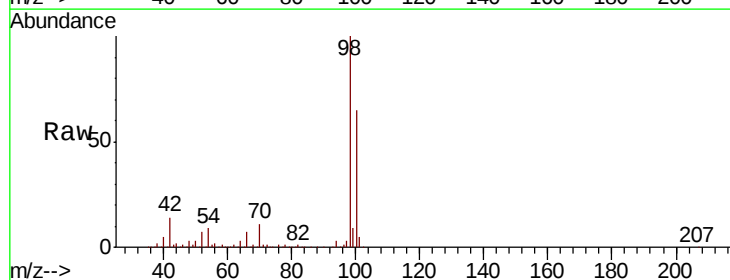


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

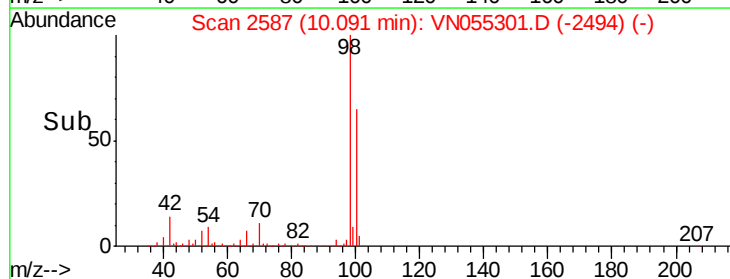
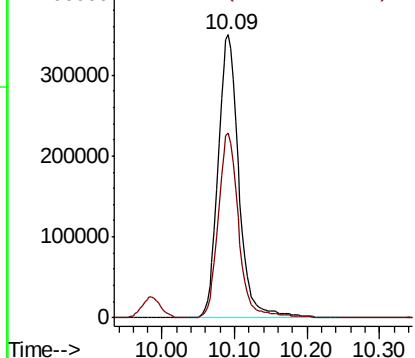


#50
 Toluene-d8
 Concen: 48.234 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 98 Resp: 694581
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.7 77.5



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: 103.332 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

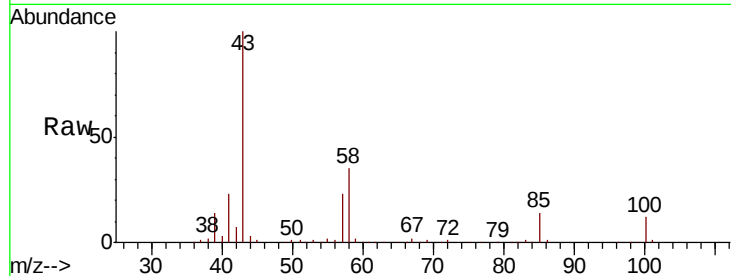
ClientSampleId :

Tot Ion: 43 Resp: 417016

Ion Ratio Lower Upper

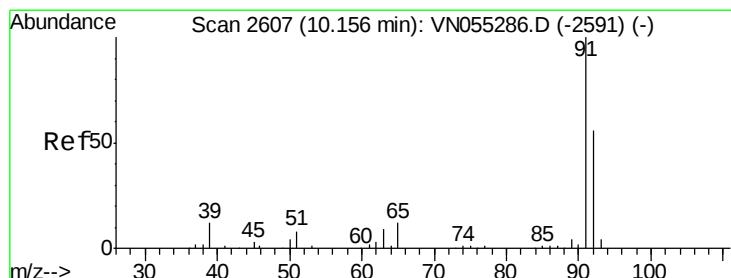
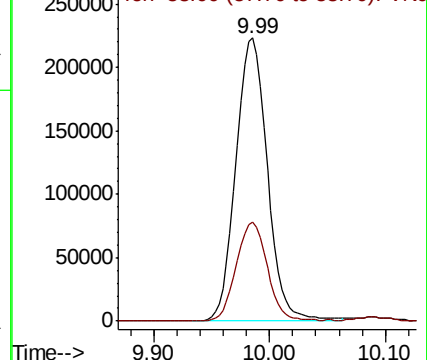
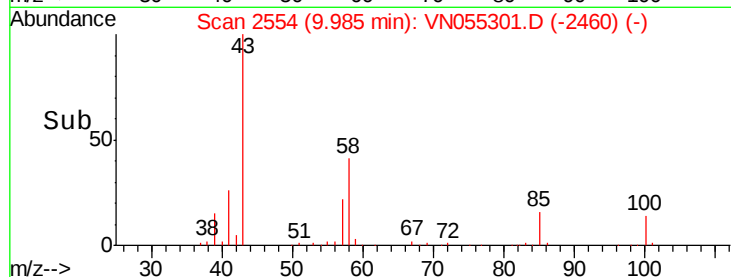
43 100

58 34.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055301.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN055301.D (-2460) (-)



#52

Toluene

Concen: 19.520 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055301.D

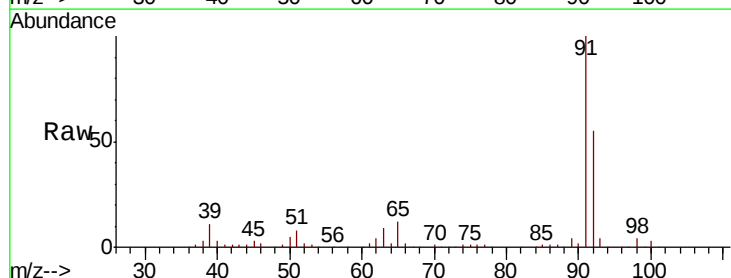
Acq: 30 Apr 2019 12:13

Tgt Ion: 92 Resp: 192152

Ion Ratio Lower Upper

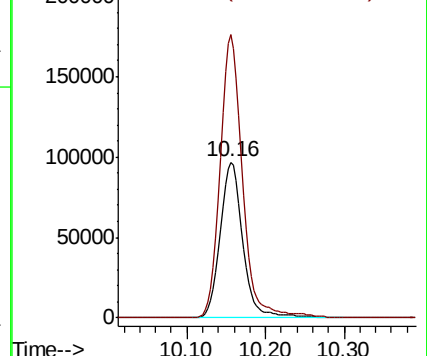
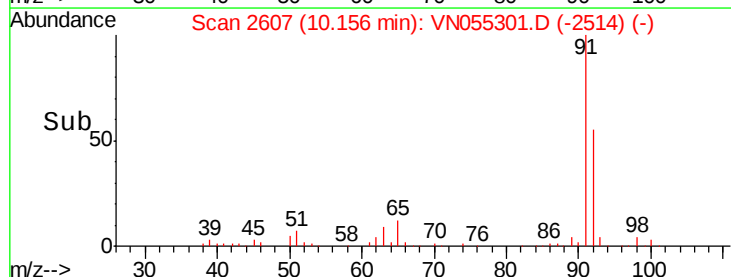
92 100

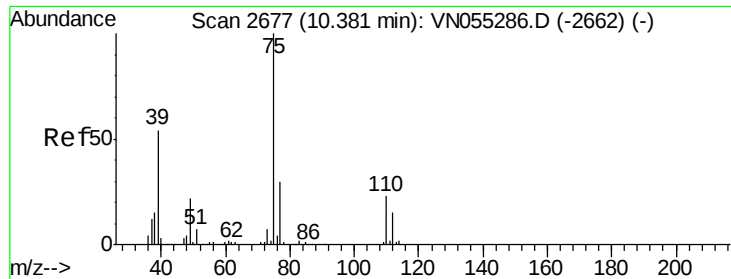
91 179.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055301.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055301.D (-2514) (-)





#53

t-1,3-Dichloropropene

Concen: 19.603 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

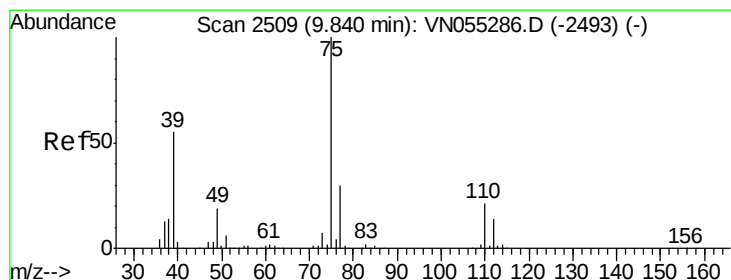
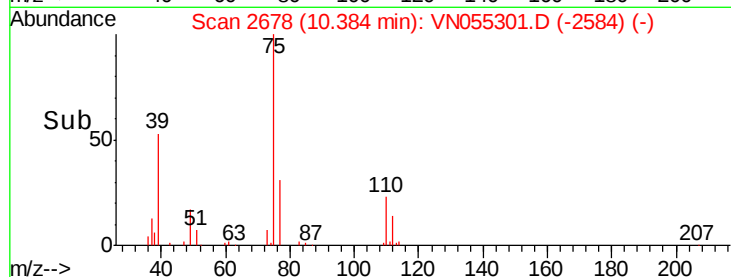
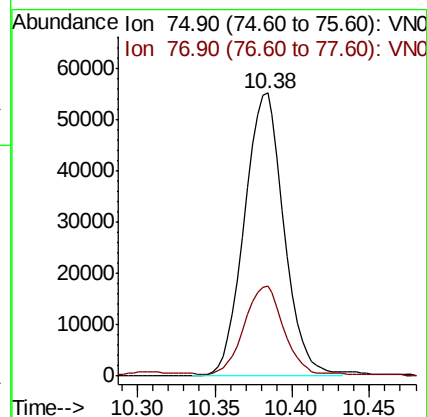
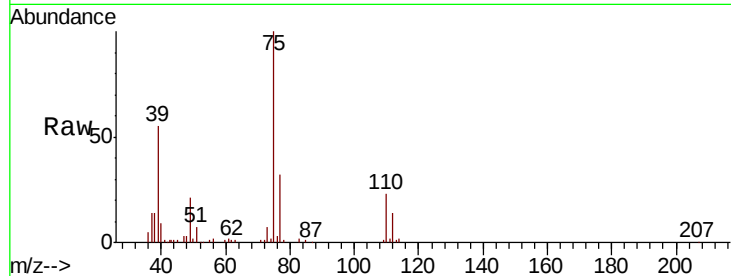
ClientSampleId :

Tot Ion: 75 Resp: 98743

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.345 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

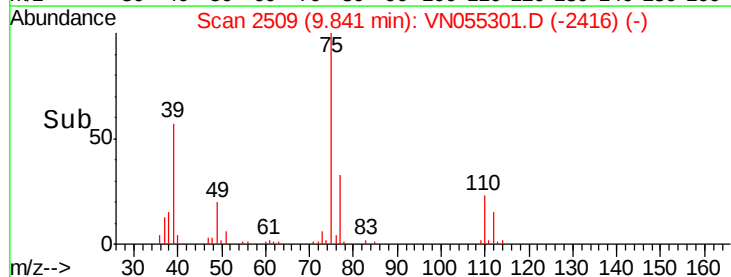
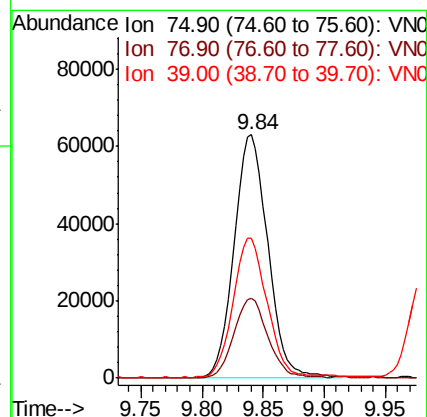
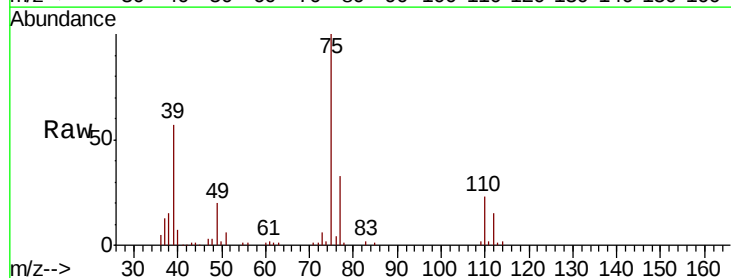
Tgt Ion: 75 Resp: 121489

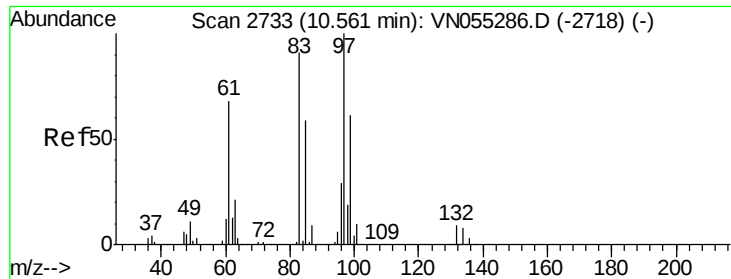
Ion Ratio Lower Upper

75 100

77 32.8 24.2 36.2

39 56.9 44.2 66.2

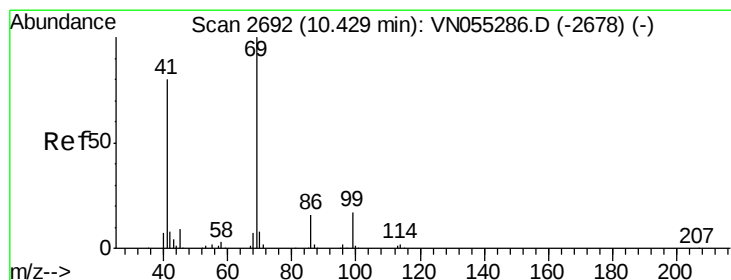
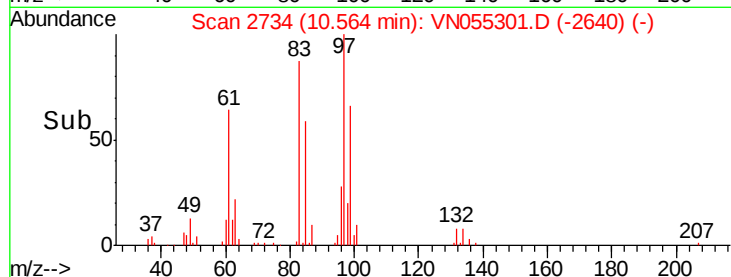
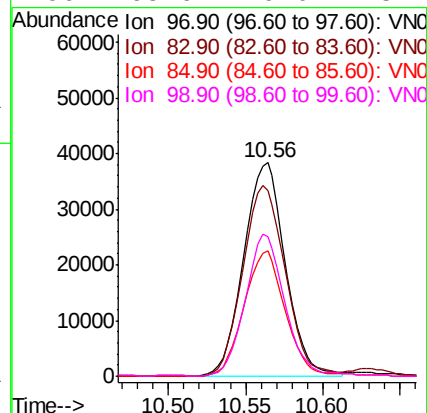
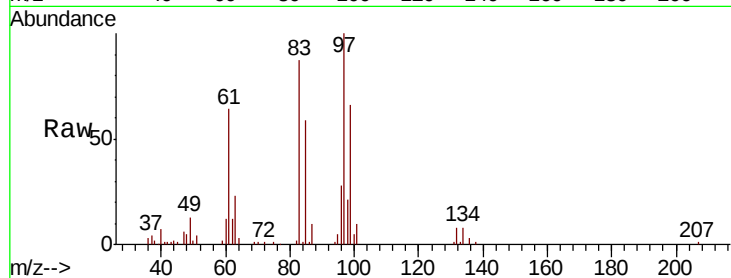




#55
 1,1,2-Trichloroethane
 Concen: 19.686 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

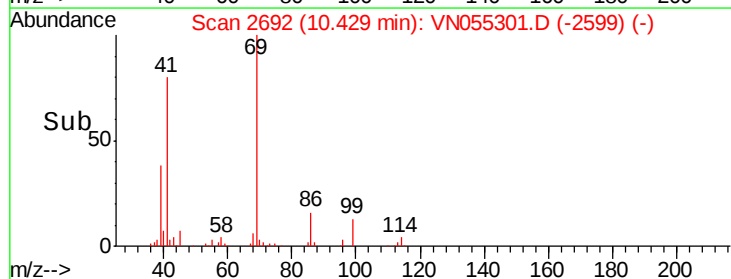
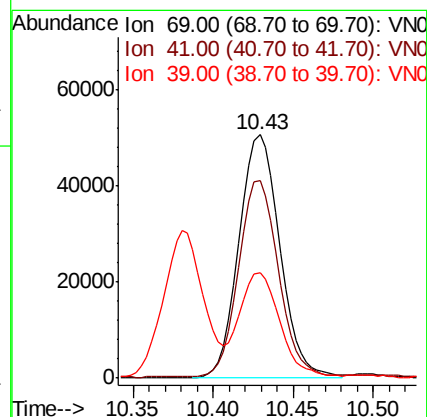
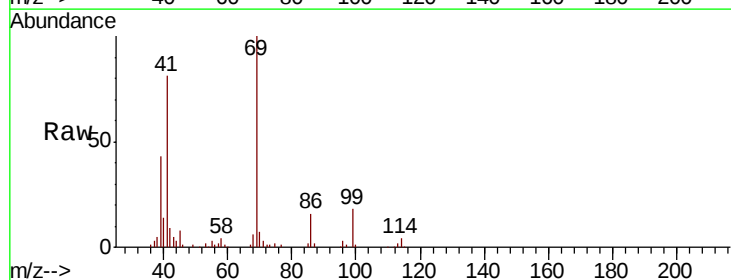
Instrument :
 MSVOA_N
 ClientSampled :

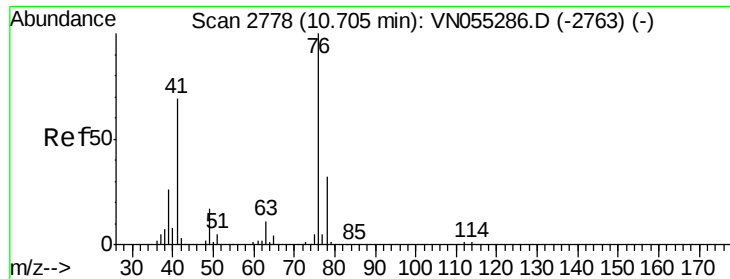
Tot Ion: 97 Resp: 71961
 Ion Ratio Lower Upper
 97 100
 83 87.0 72.8 109.2
 85 58.6 47.0 70.6
 99 65.6 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 19.746 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 69 Resp: 88842
 Ion Ratio Lower Upper
 69 100
 41 77.8 62.7 94.1
 39 41.8 32.0 48.0





#57

1,3-Dichloropropane

Concen: 19.767 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

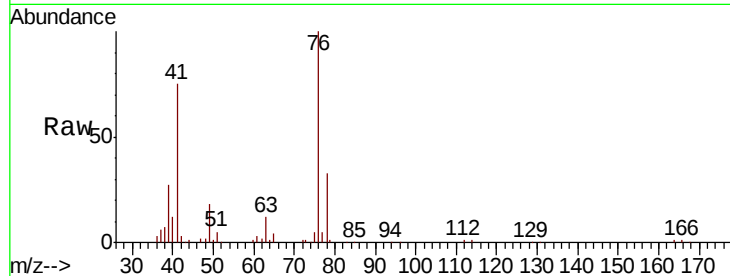
ClientSampleId :

Tot Ion: 76 Resp: 126755

Ion Ratio Lower Upper

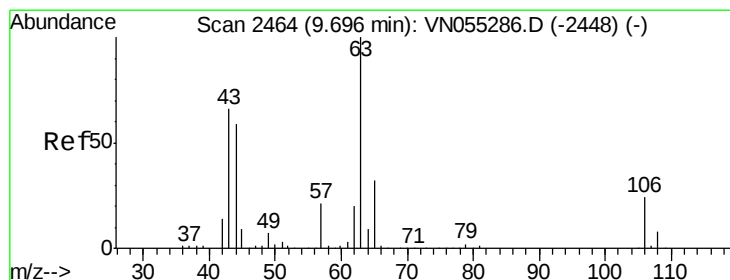
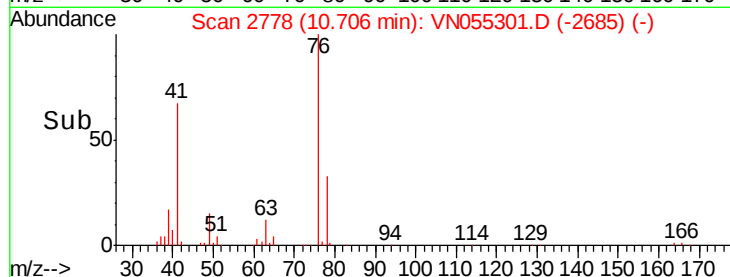
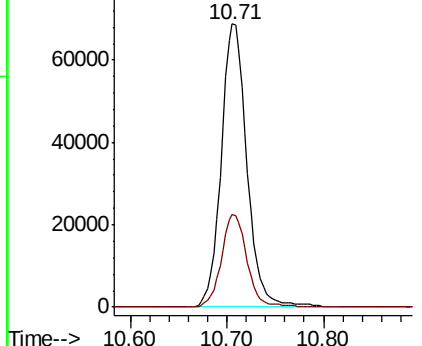
76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN055286.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055286.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 102.717 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055301.D

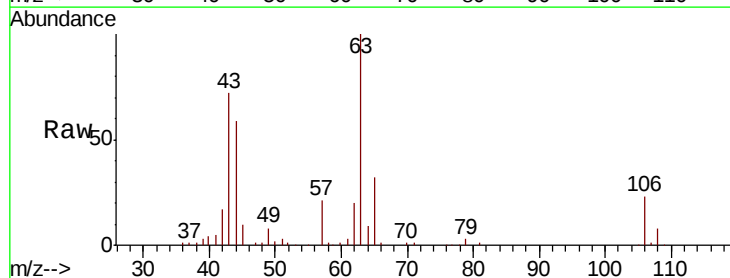
Acq: 30 Apr 2019 12:13

Tgt Ion: 63 Resp: 132689

Ion Ratio Lower Upper

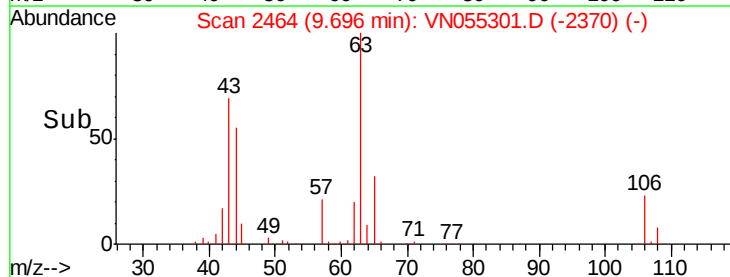
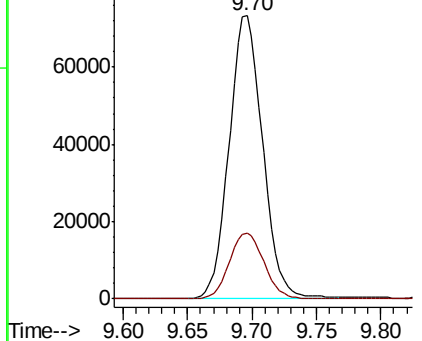
63 100

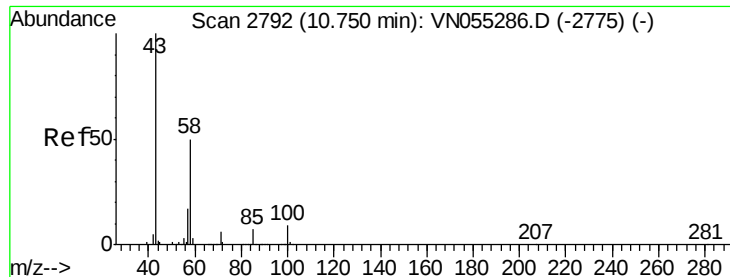
106 24.1 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN055286.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055286.D (-2448) (-)

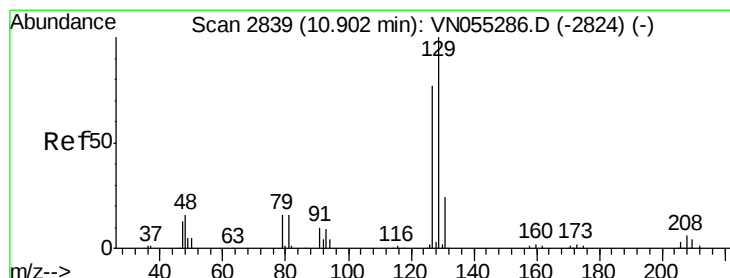
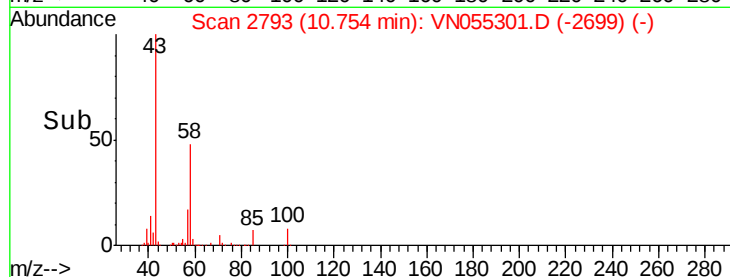
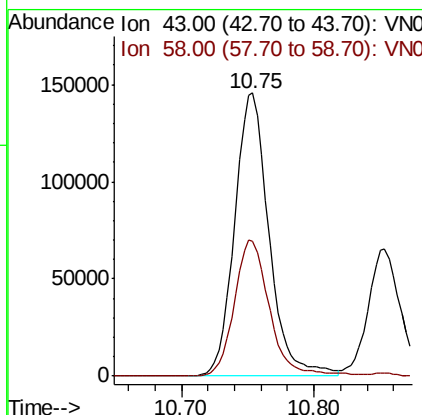
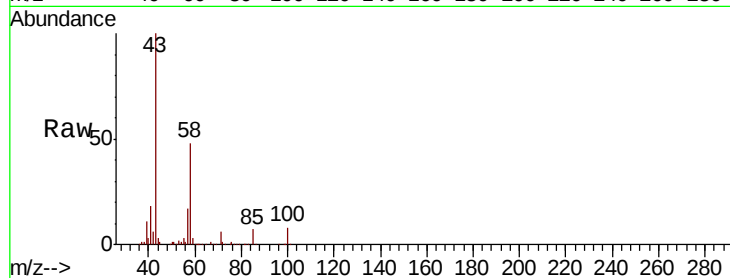




#59
2-Hexanone
Concen: 103.239 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

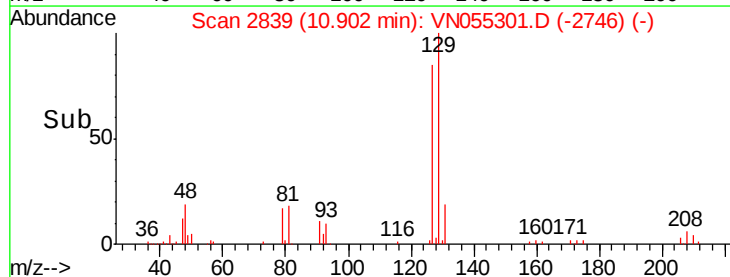
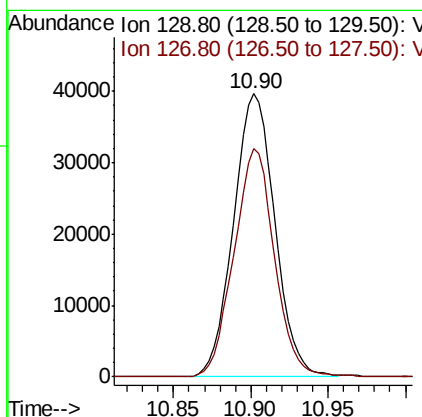
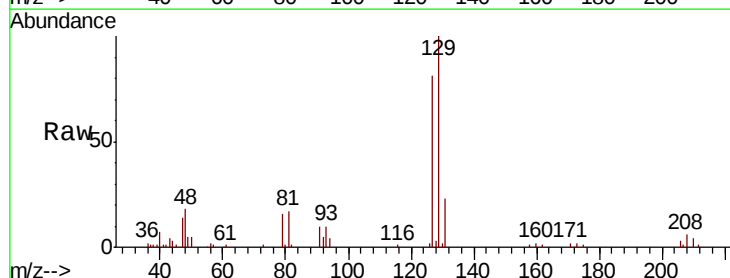
Instrument :
MSVOA_N
ClientSampleId :

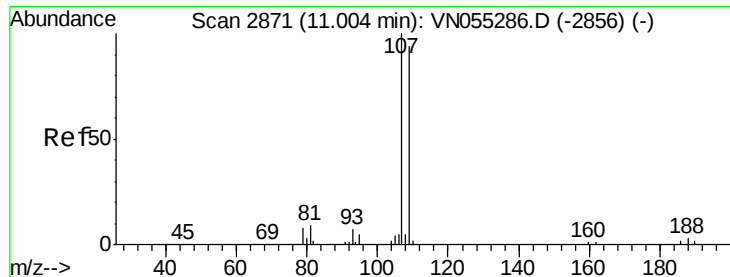
Tot Ion: 43 Resp: 260687
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.6



#60
Dibromochloromethane
Concen: 19.743 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 129 Resp: 73759
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.161 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

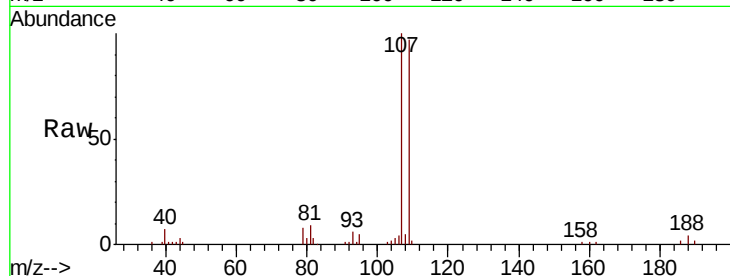
ClientSampleId :

Tot Ion:107 Resp: 68116

Ion Ratio Lower Upper

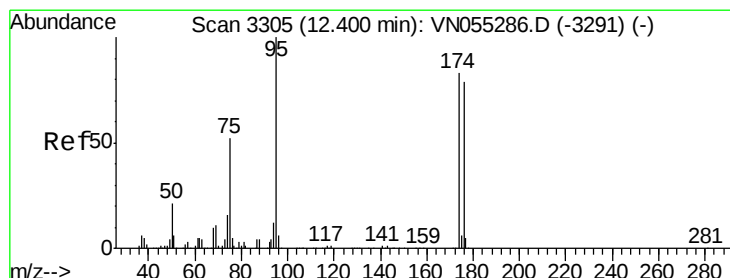
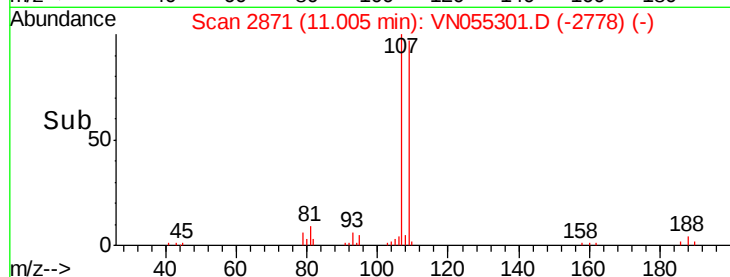
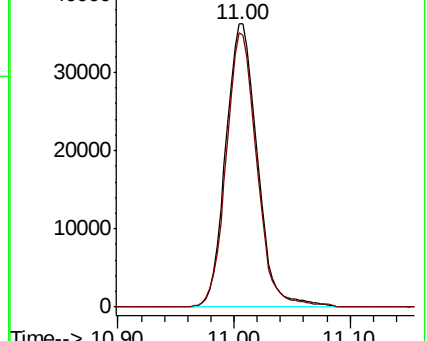
107 100

109 93.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.485 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

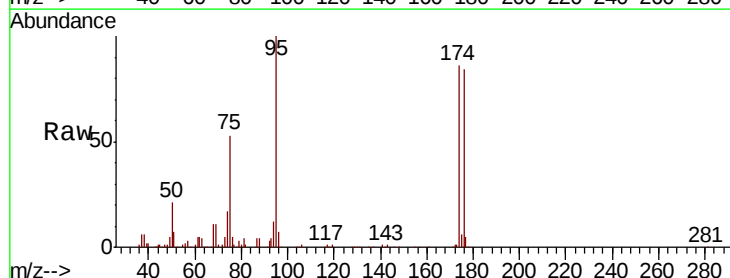
Tgt Ion: 95 Resp: 218210

Ion Ratio Lower Upper

95 100

174 82.9 0.0 166.6

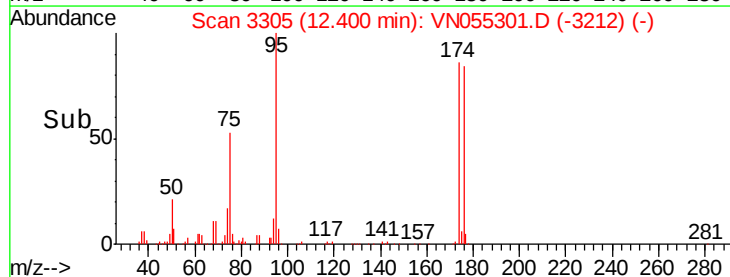
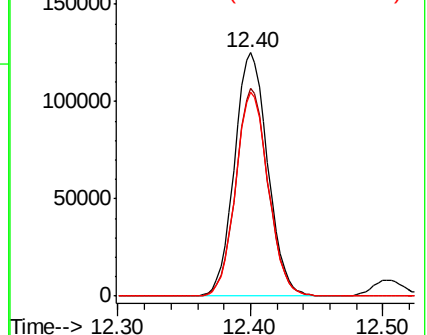
176 82.1 0.0 157.8

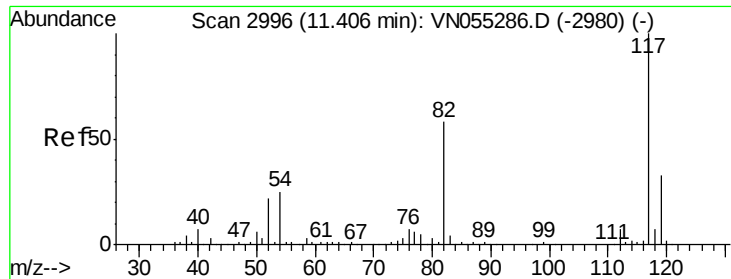


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

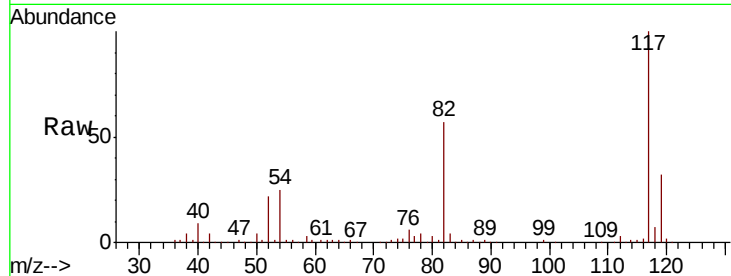




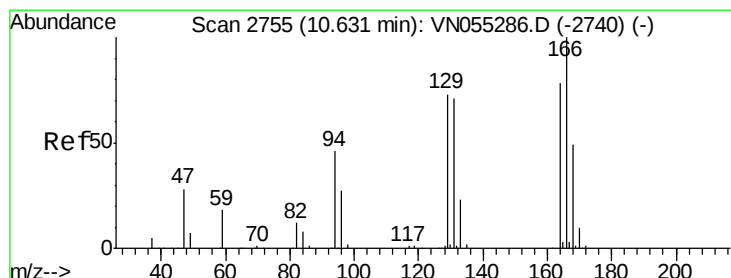
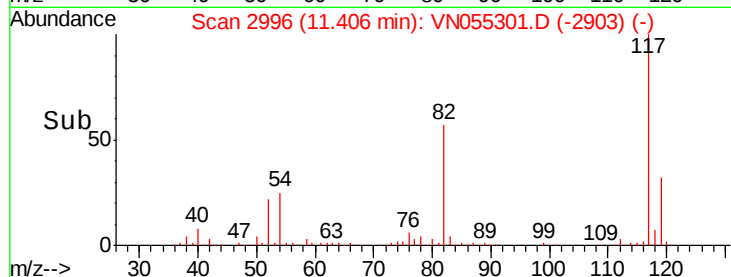
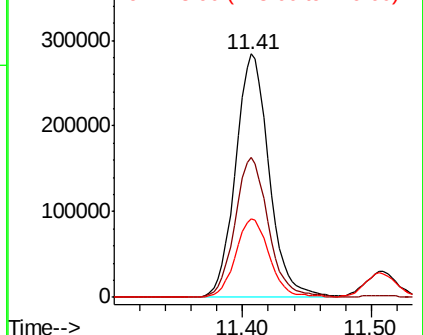
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 514156
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 32.0 26.6 40.0

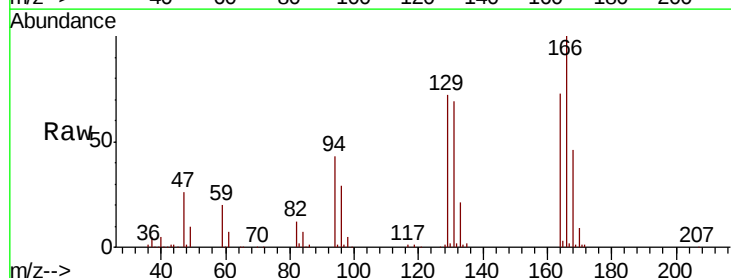


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

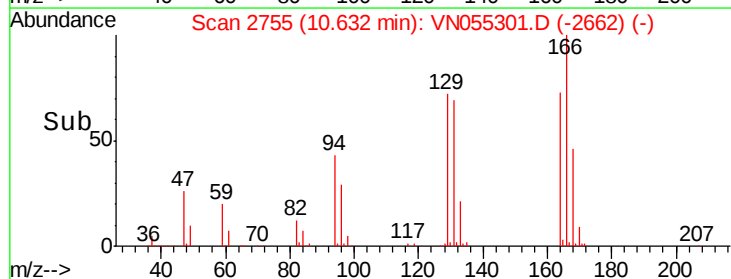
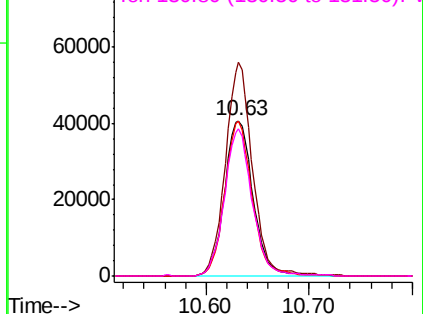


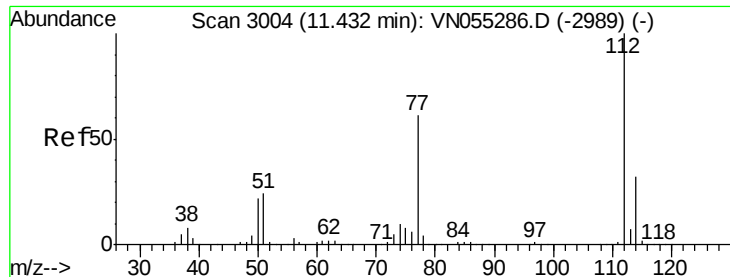
#64
Tetrachloroethene
Concen: 18.709 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion:164 Resp: 78665
Ion Ratio Lower Upper
164 100
166 137.6 102.3 153.5
129 99.7 75.0 112.6
131 95.1 72.7 109.1



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

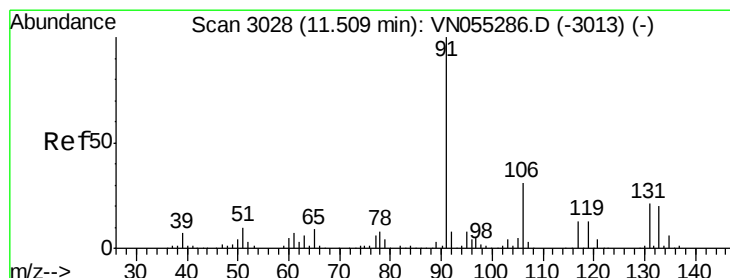
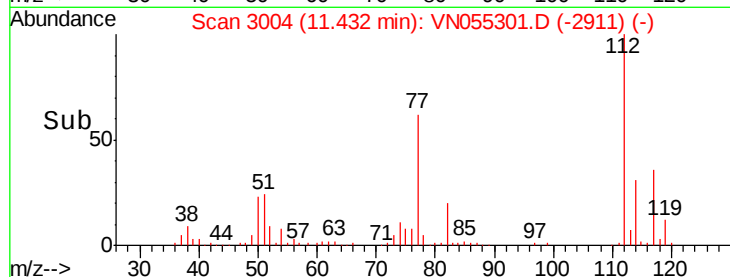
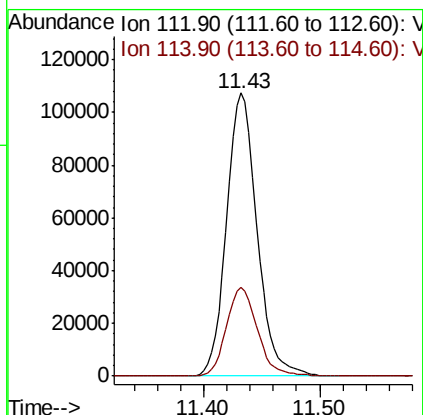
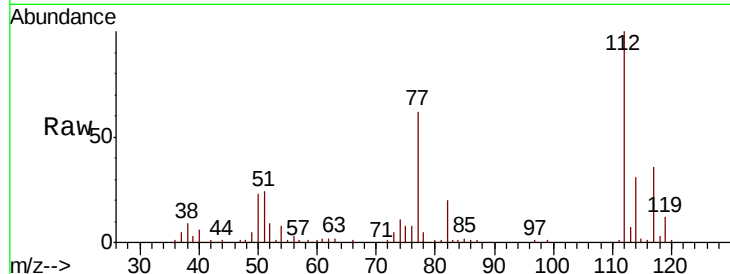




#65
Chlorobenzene
Concen: 19.387 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

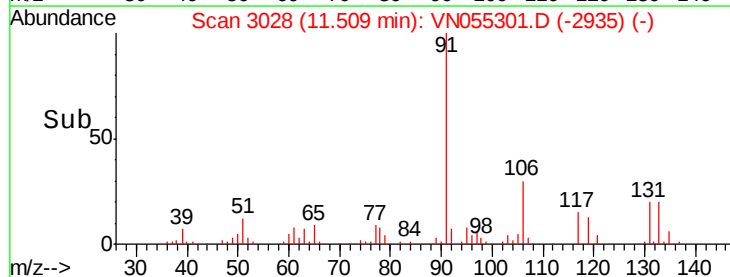
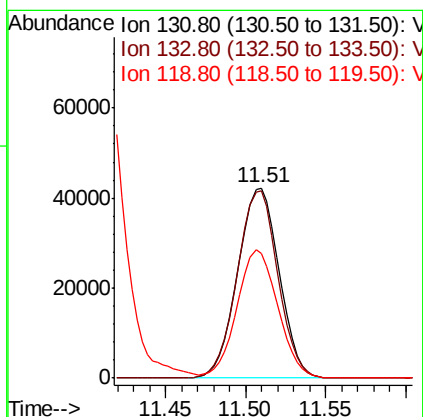
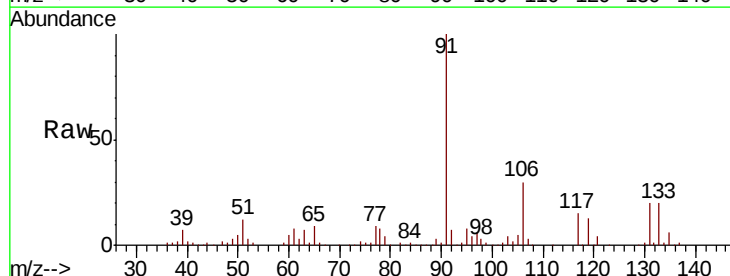
Instrument :
MSVOA_N
ClientSampled :

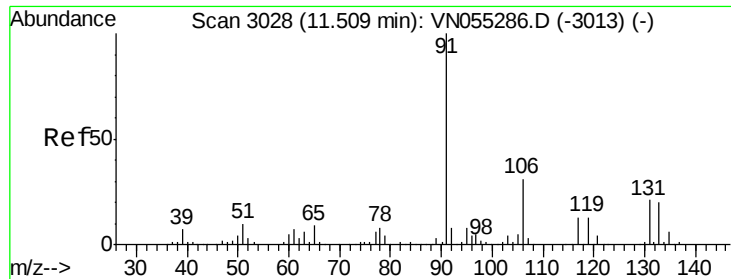
Tot Ion:112 Resp: 194888
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.936 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion:131 Resp: 74535
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.6
119 67.0 32.7 98.1

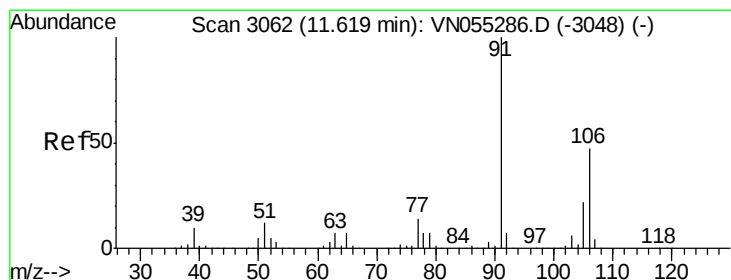
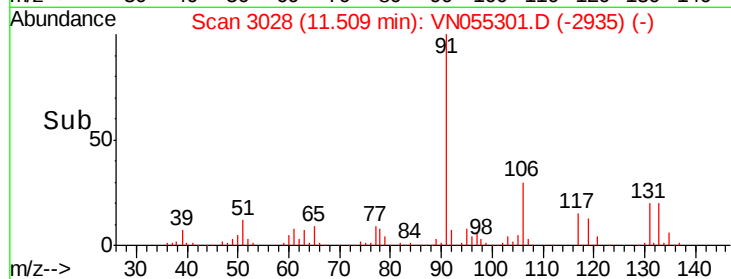
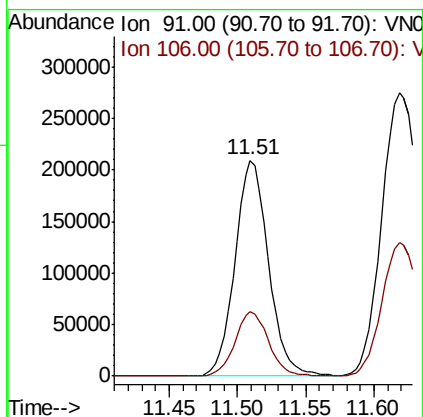
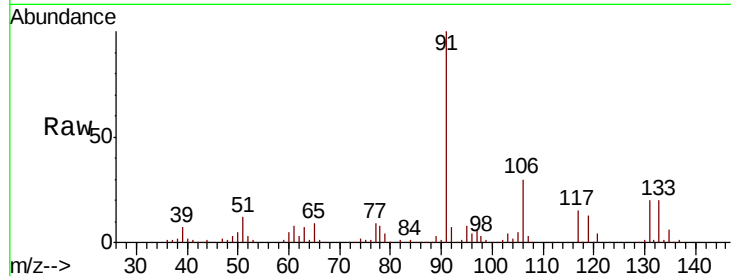




#67
Ethyl Benzene
Concen: 19.695 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

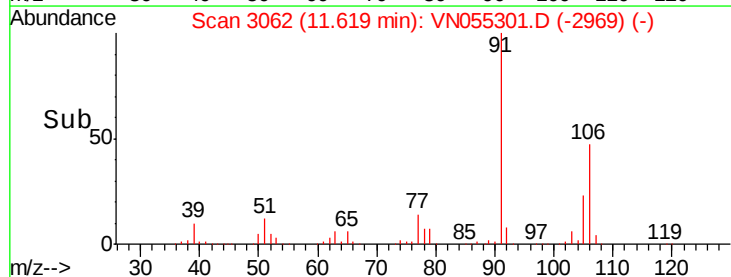
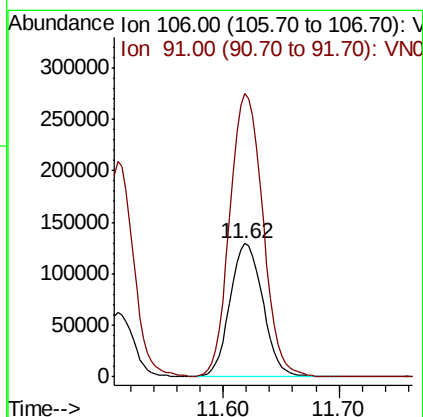
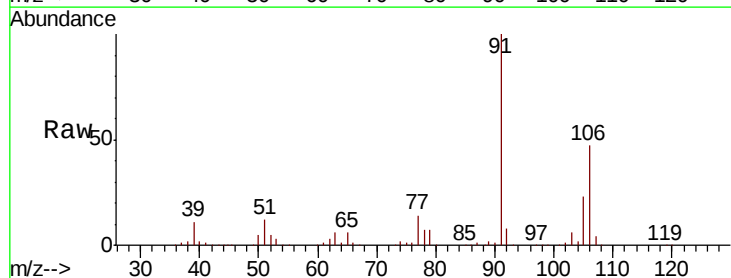
Instrument :
MSVOA_N
ClientSampled :

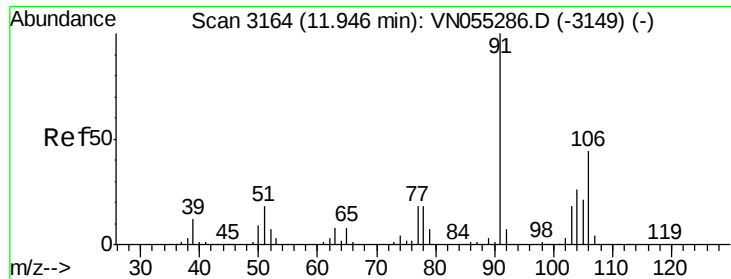
Tot Ion: 91 Resp: 357518
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8



#68
m/p-Xylenes
Concen: 39.491 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 106 Resp: 255880
Ion Ratio Lower Upper
106 100
91 212.7 169.5 254.3

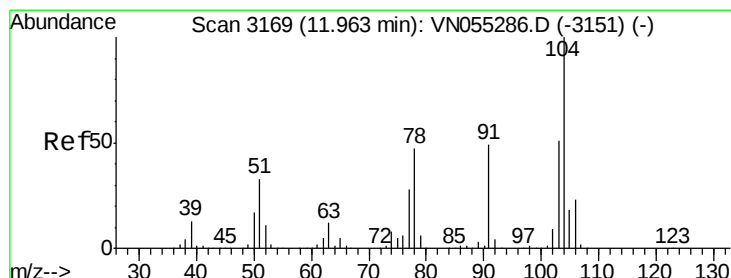
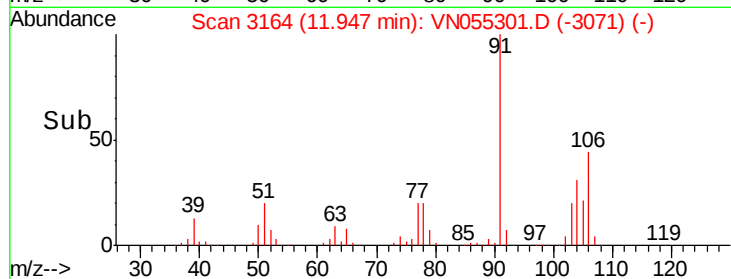
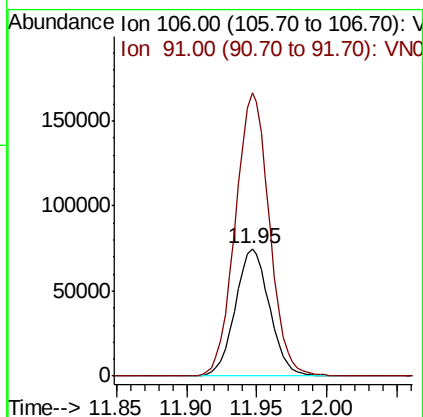
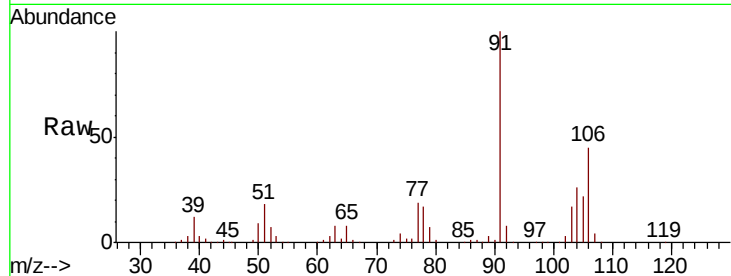




#69
o-Xylene
Concen: 19.787 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

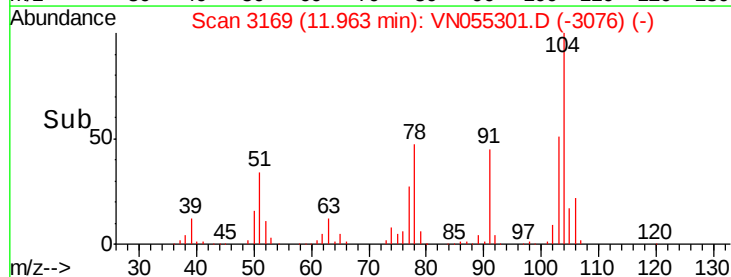
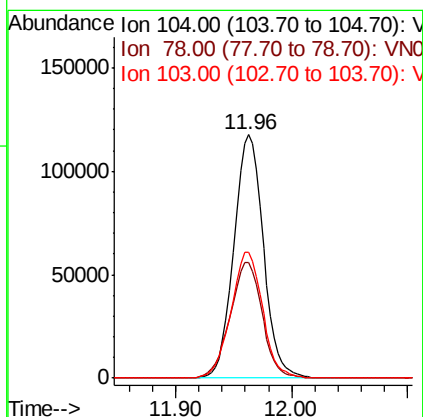
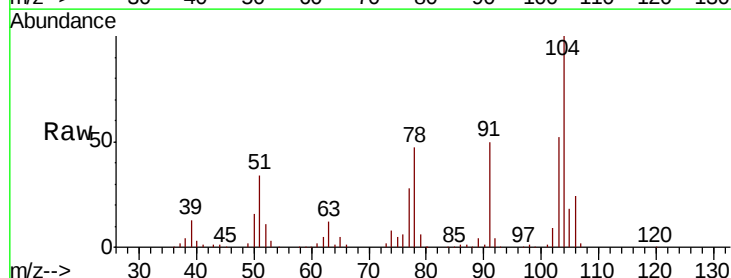
Instrument :
MSVOA_N
ClientSampled :

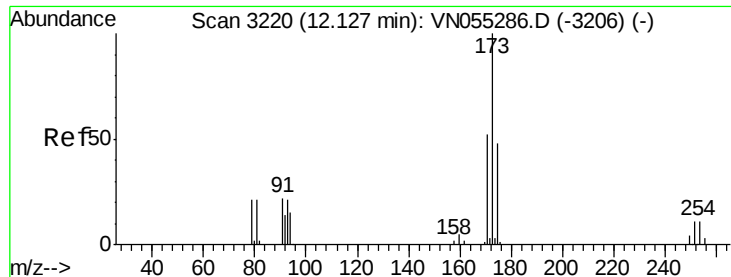
Tot Ion:106 Resp: 127078
Ion Ratio Lower Upper
106 100
91 221.9 111.5 334.5



#70
Styrene
Concen: 20.984 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion:104 Resp: 206915
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.2
103 55.4 44.6 67.0





#71

Bromoform

Concen: 20.403 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

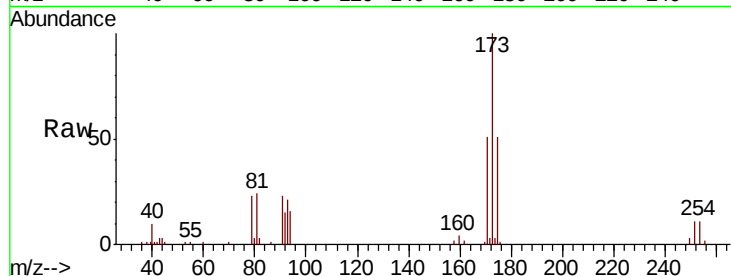
Tot Ion:173 Resp: 44563

Ion Ratio Lower Upper

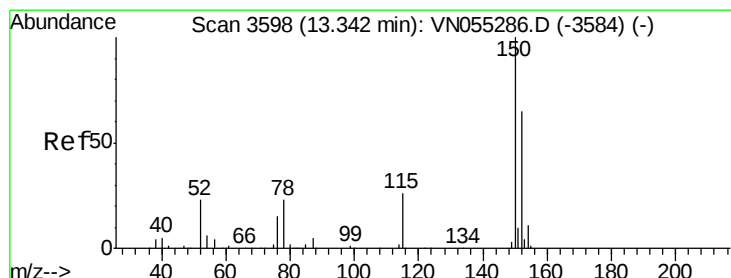
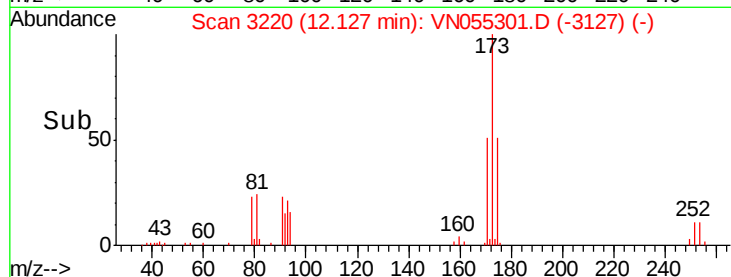
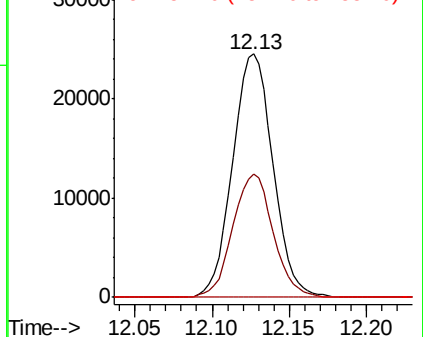
173 100

175 50.5 23.6 71.0

254 0.0 0.0 0.0



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: VN055301.D

Acq: 30 Apr 2019 12:13

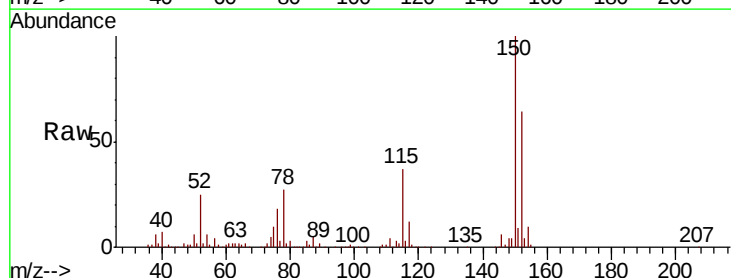
Tgt Ion:152 Resp: 186864

Ion Ratio Lower Upper

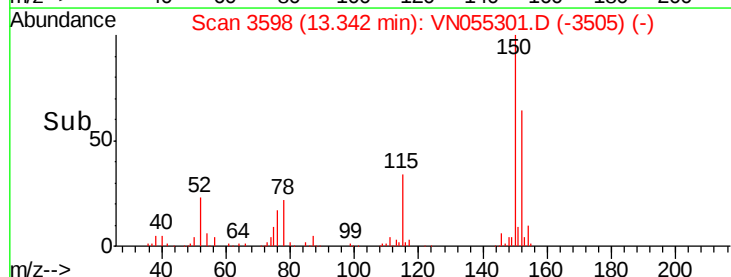
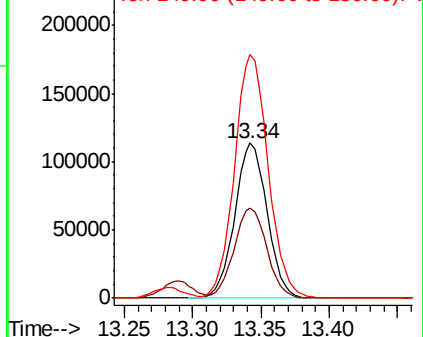
152 100

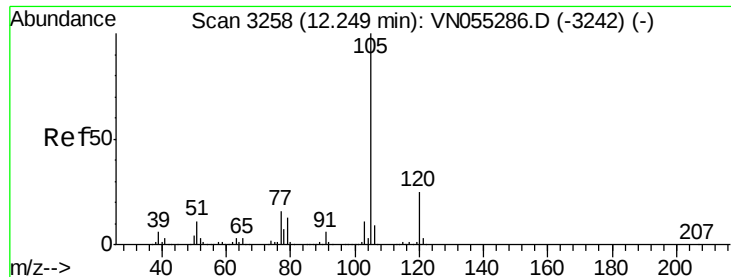
115 59.0 29.0 87.0

150 163.3 0.0 345.6



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: 21.302 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

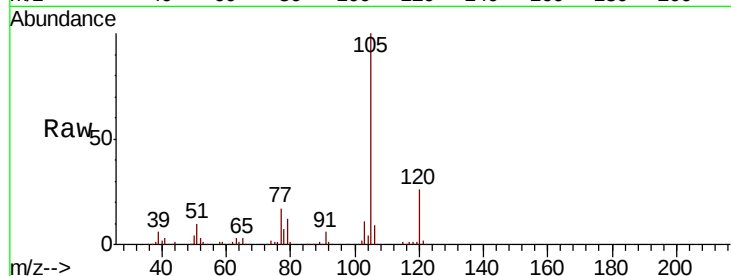
ClientSampleId :

Tot Ion:105 Resp: 343711

Ion Ratio Lower Upper

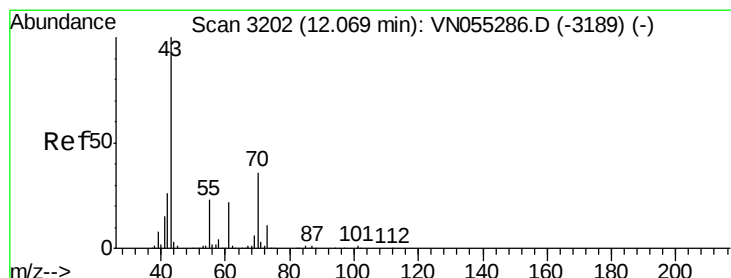
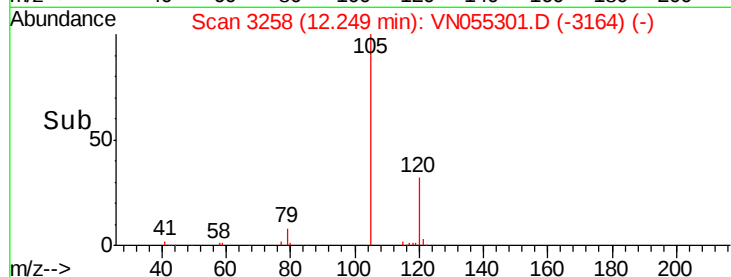
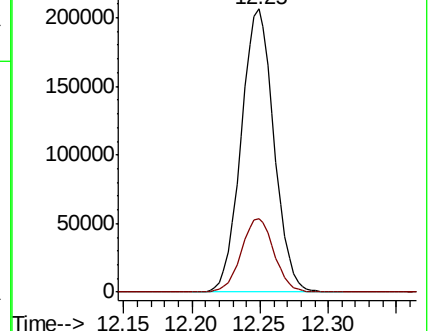
105 100

120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion: 43 Resp: 97874

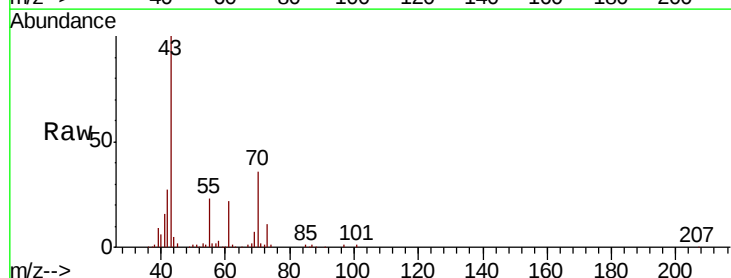
Ion Ratio Lower Upper

43 100

70 34.8 27.9 41.9

55 23.3 18.2 27.2

61 21.1 16.9 25.3

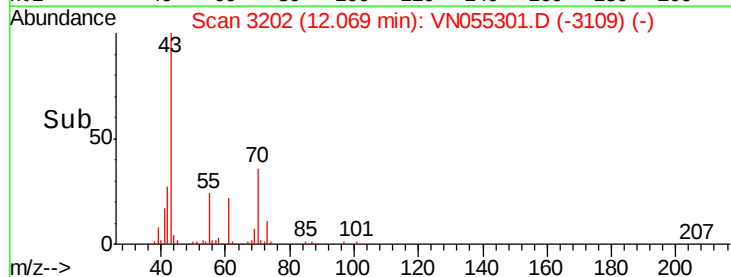
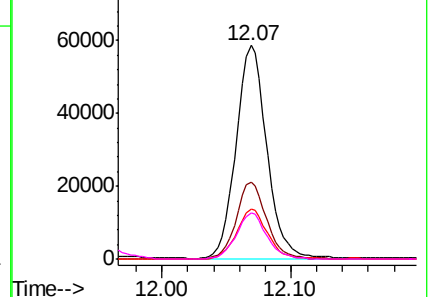


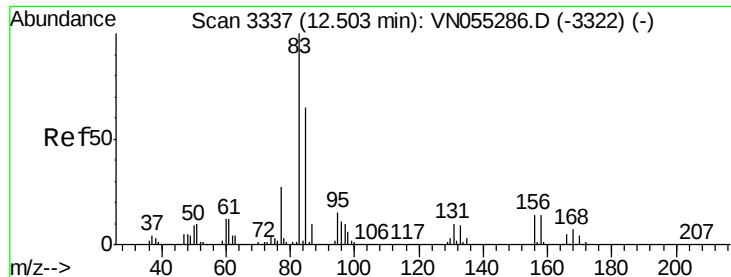
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.290 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

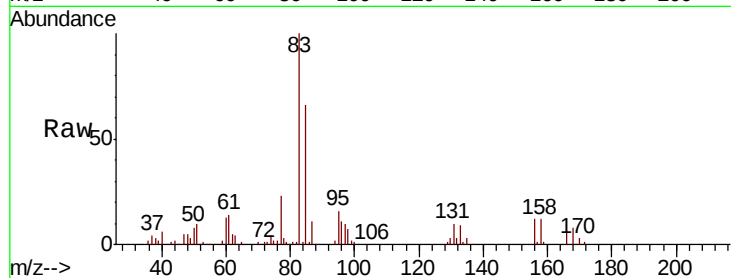
Tot Ion: 83 Resp: 89051

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

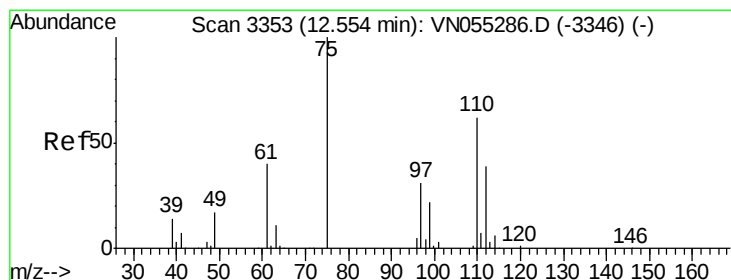
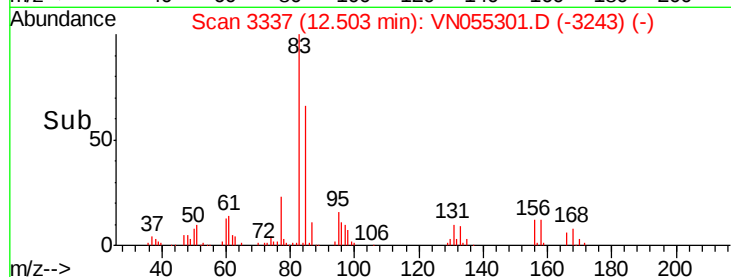
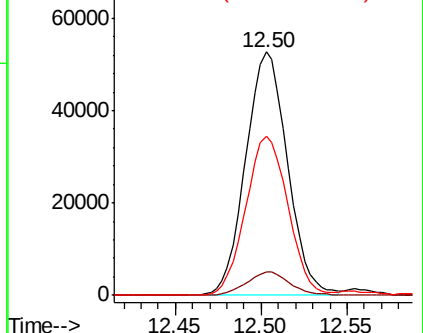
85 66.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.055 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055301.D

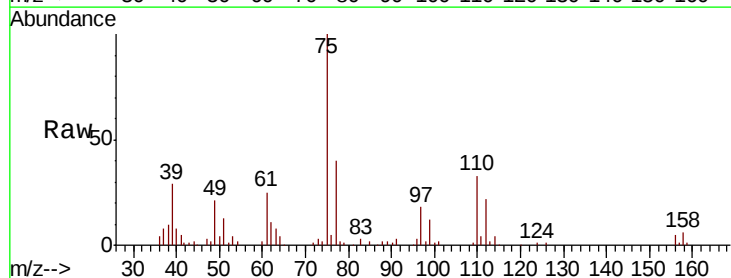
Acq: 30 Apr 2019 12:13

Tgt Ion: 75 Resp: 101281

Ion Ratio Lower Upper

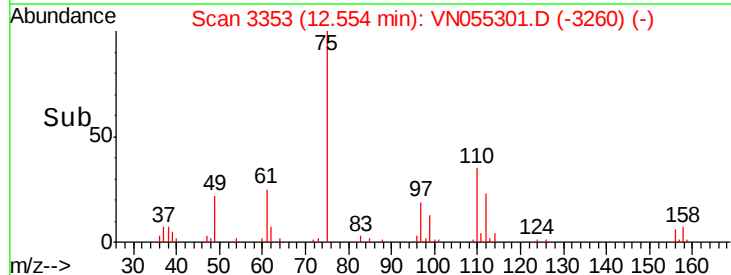
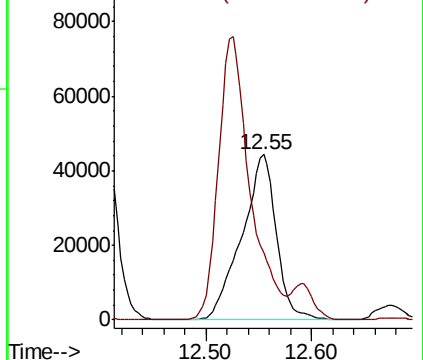
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.201 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

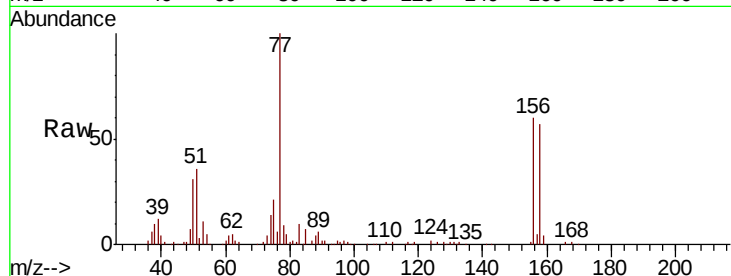
Tot Ion:156 Resp: 80105

Ion Ratio Lower Upper

156 100

77 198.5 99.6 298.8

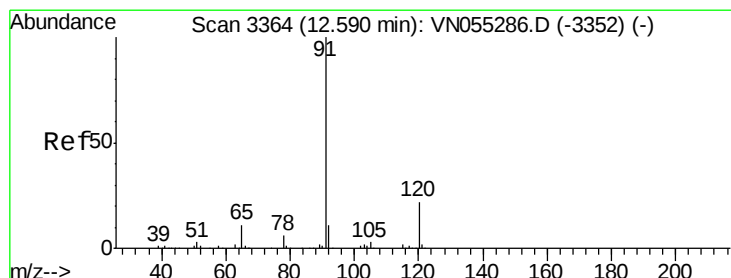
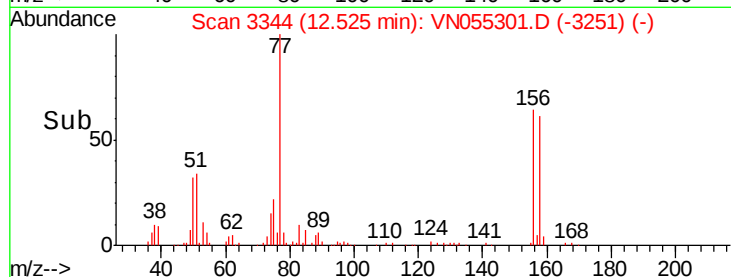
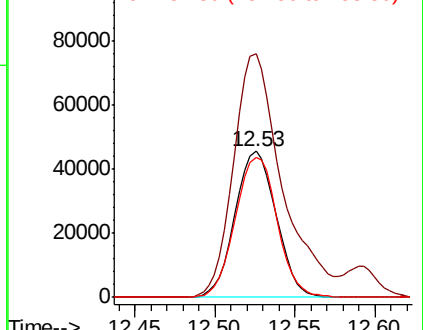
158 97.8 49.3 147.8



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: 19.003 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055301.D

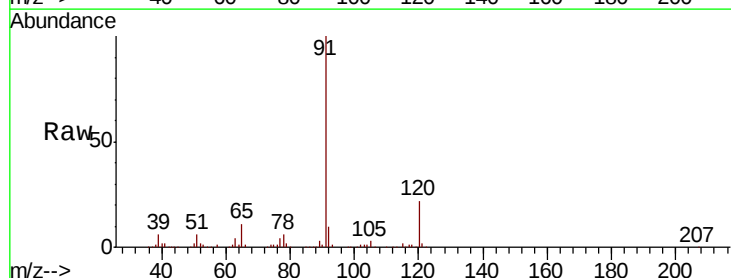
Acq: 30 Apr 2019 12:13

Tgt Ion: 91 Resp: 364756

Ion Ratio Lower Upper

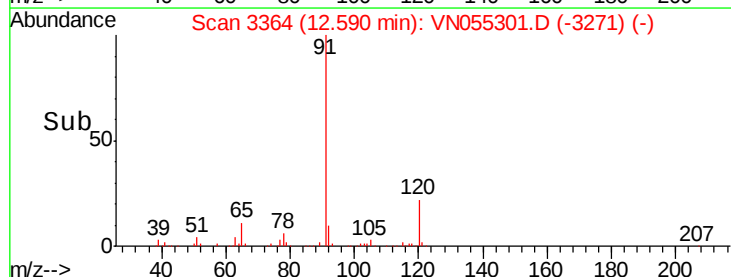
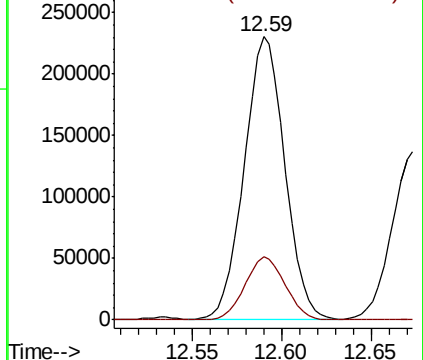
91 100

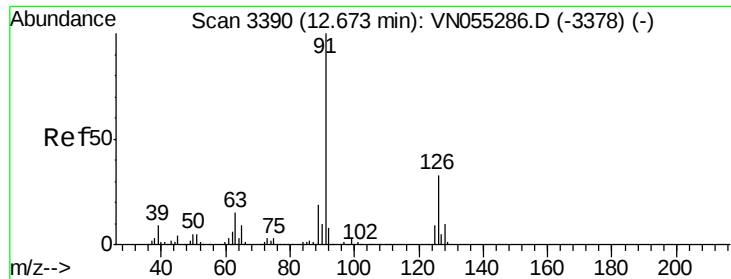
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

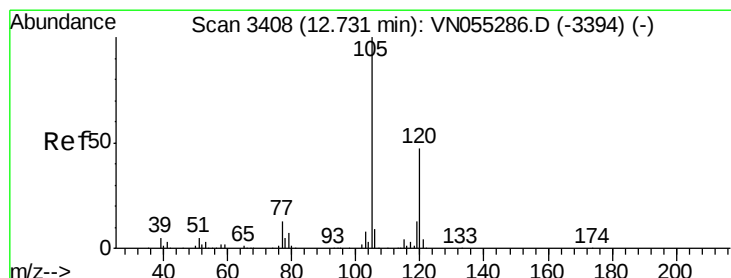
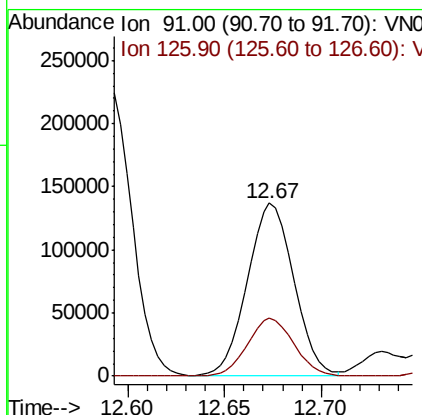
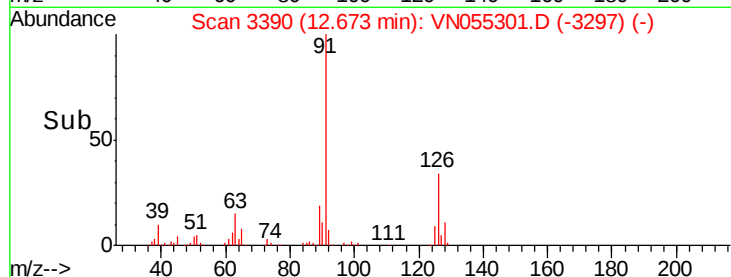
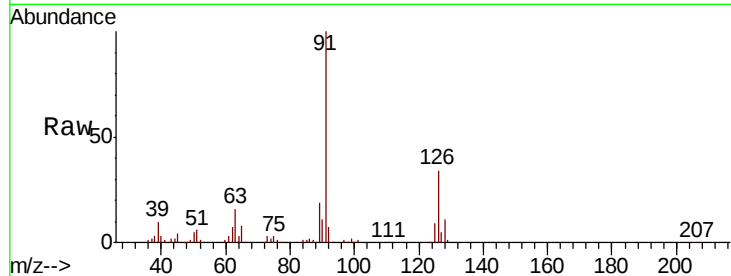




#79
 2-Chlorotoluene
 Concen: 20.956 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

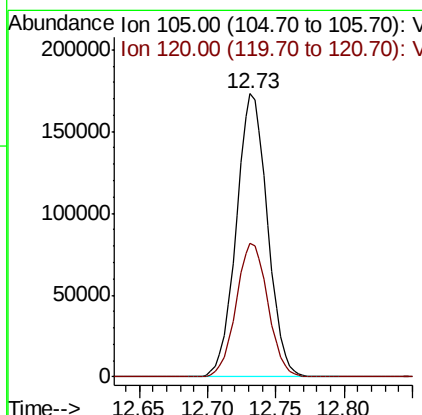
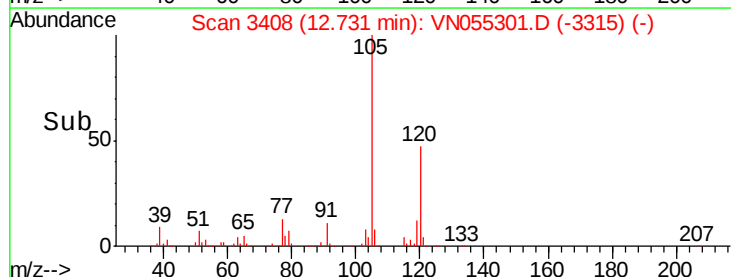
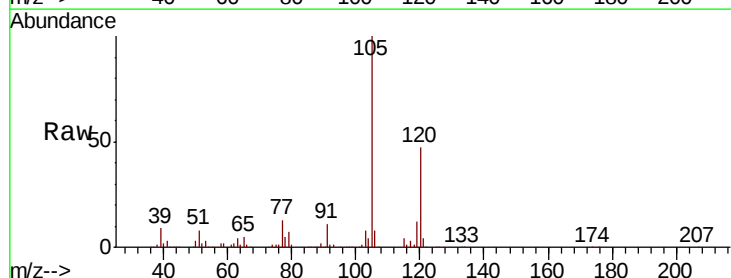
Instrument :
 MSVOA_N
 ClientSampled :

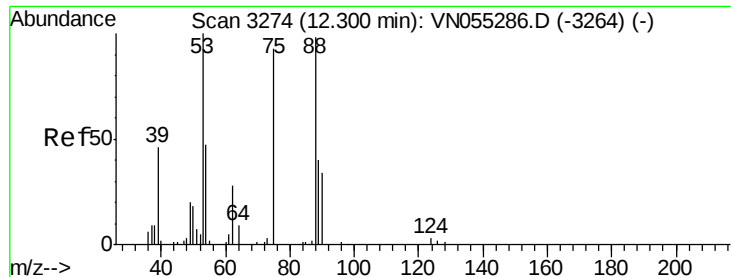
Tot Ion: 91 Resp: 227884
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 18.717 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 105 Resp: 274199
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.410 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

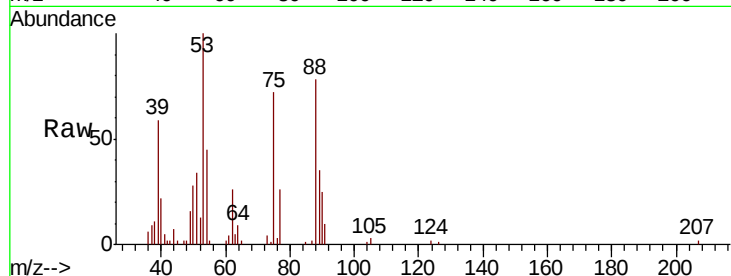
Tot Ion: 75 Resp: 18153

Ion Ratio Lower Upper

75 100

53 130.1 86.3 129.5#

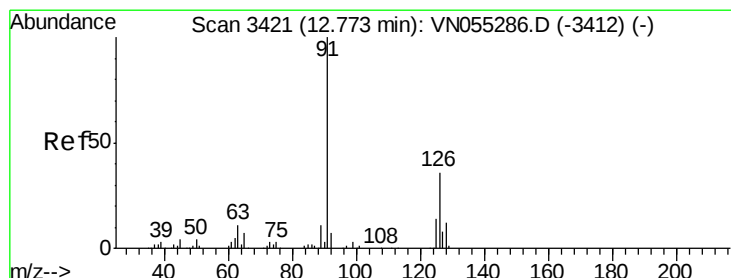
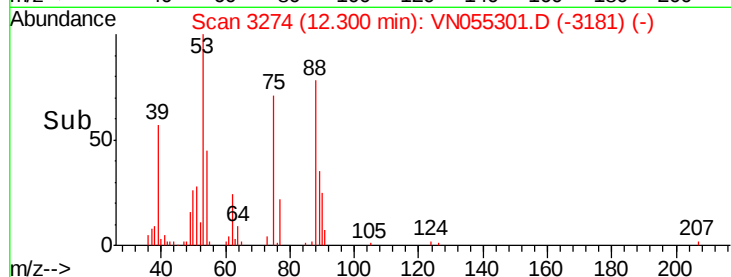
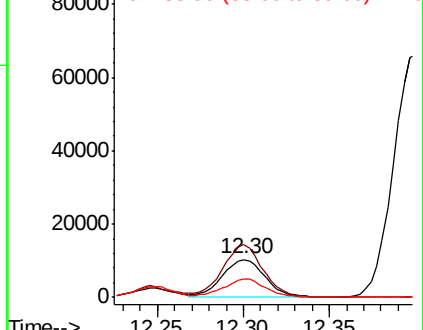
89 46.6 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.034 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055301.D

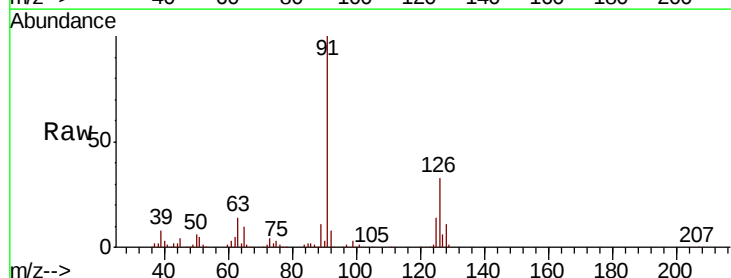
Acq: 30 Apr 2019 12:13

Tgt Ion: 91 Resp: 212428

Ion Ratio Lower Upper

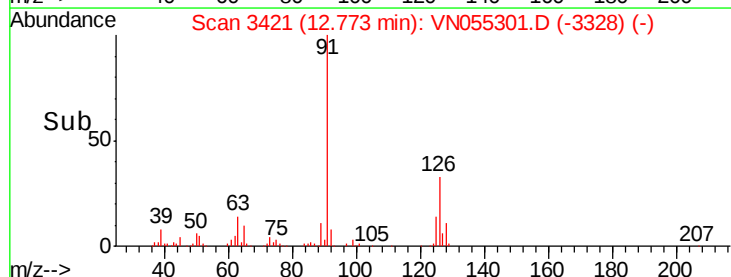
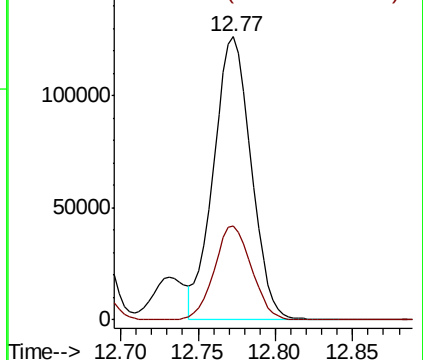
91 100

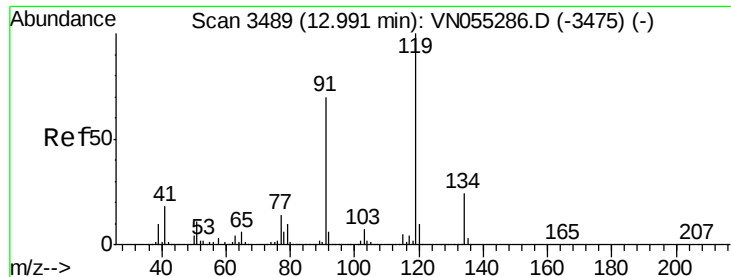
126 33.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

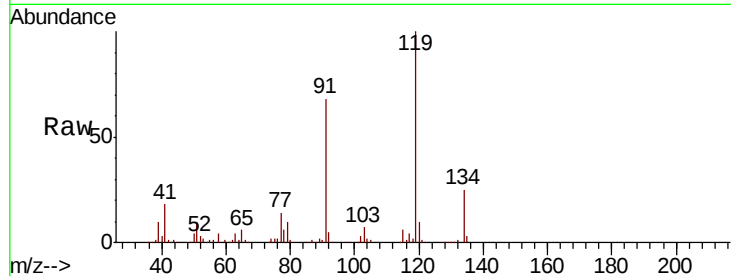




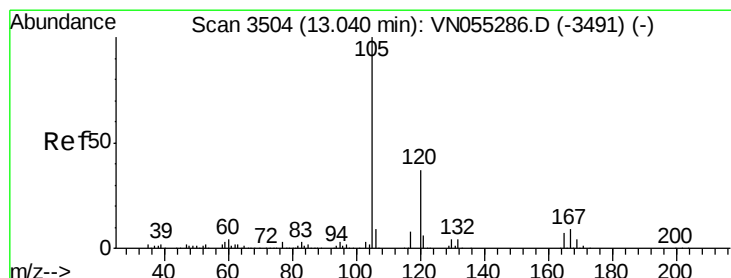
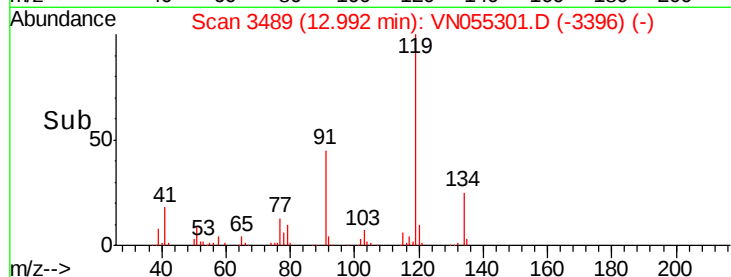
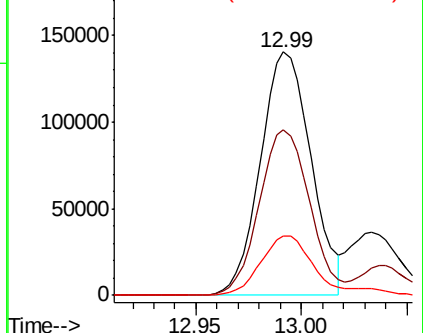
#83
tert-Butylbenzene
Concen: 21.063 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 235871
Ion Ratio Lower Upper
119 100
91 67.5 34.3 102.9
134 24.9 13.1 39.3

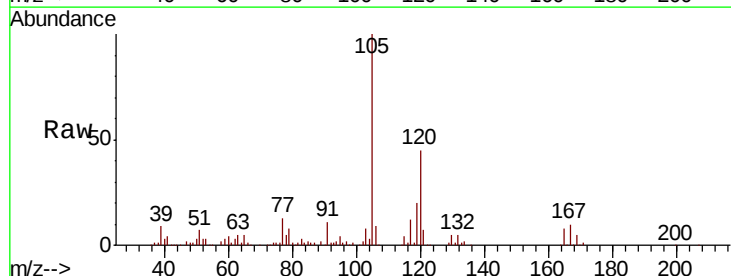


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

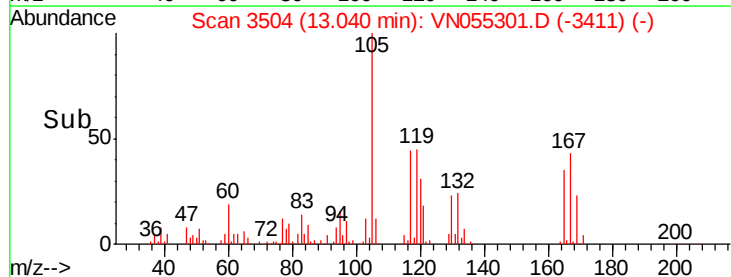
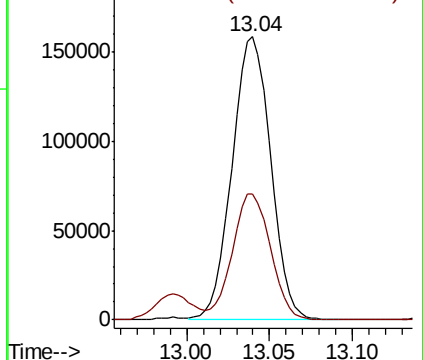


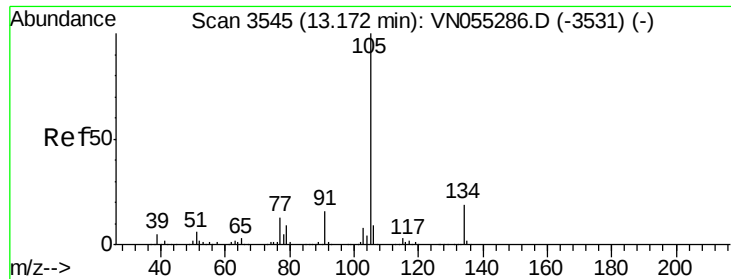
#84
1,2,4-Trimethylbenzene
Concen: 19.545 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion:105 Resp: 256080
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.5



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

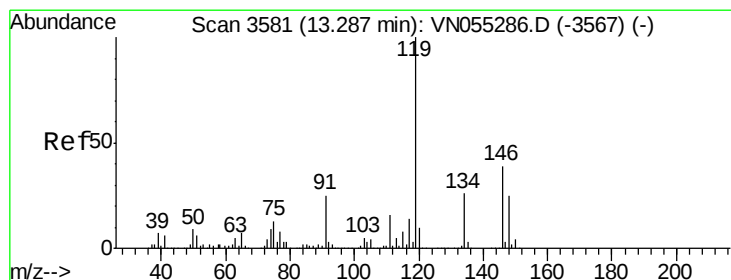
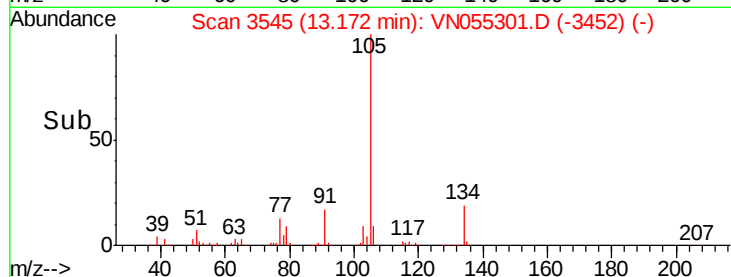
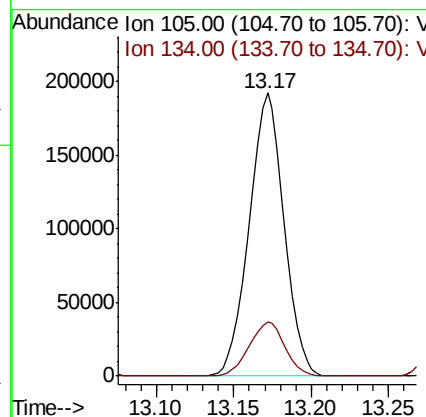
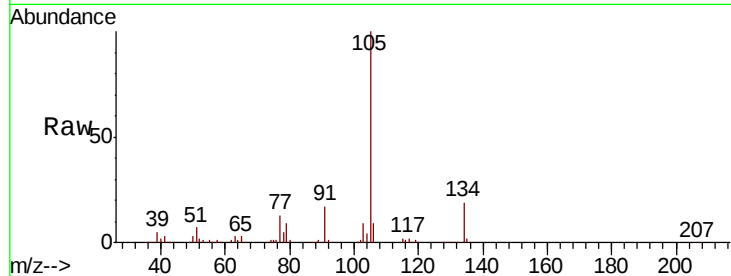




#85
 sec-Butylbenzene
 Concen: 18.952 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

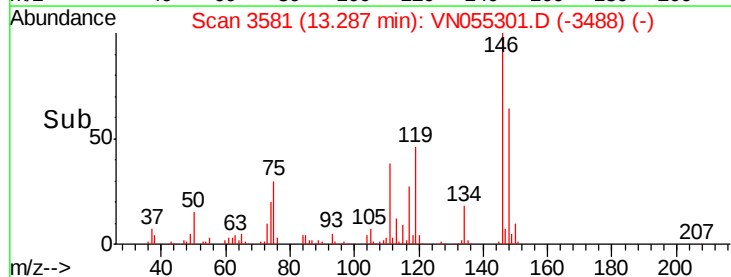
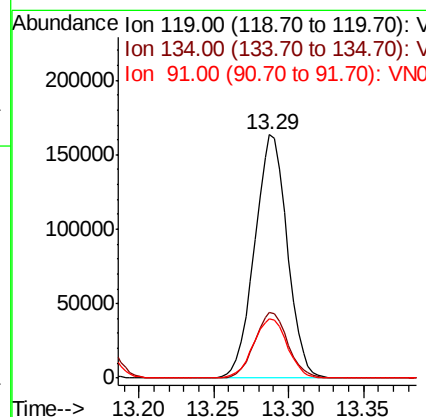
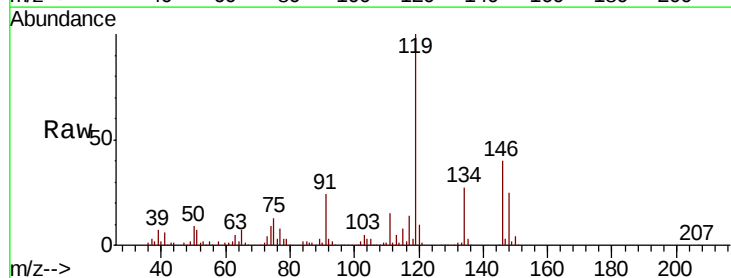
Instrument :
 MSVOA_N
 ClientSampleId :

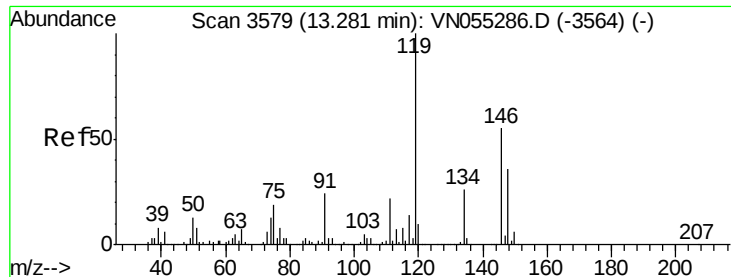
Tot Ion:105 Resp: 301768
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 18.868 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion:119 Resp: 246921
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.0 38.9
 91 25.5 12.2 36.6

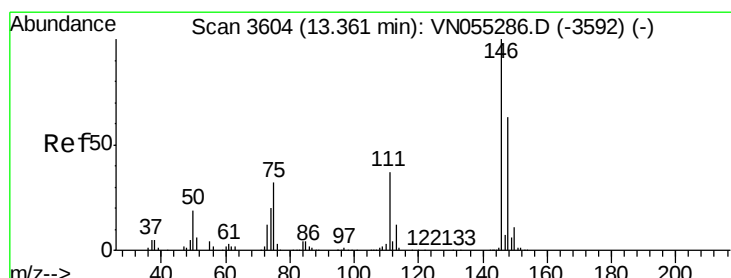
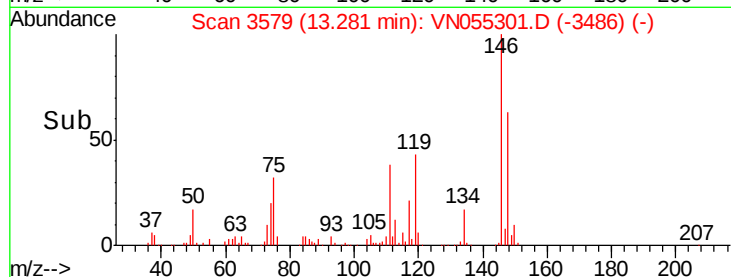
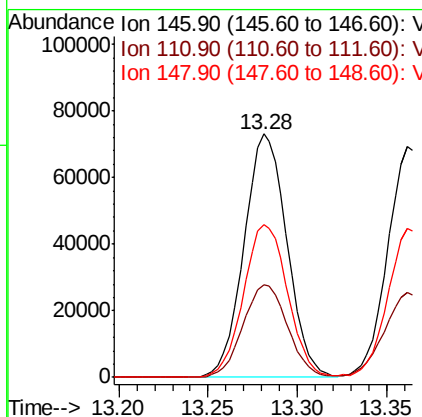
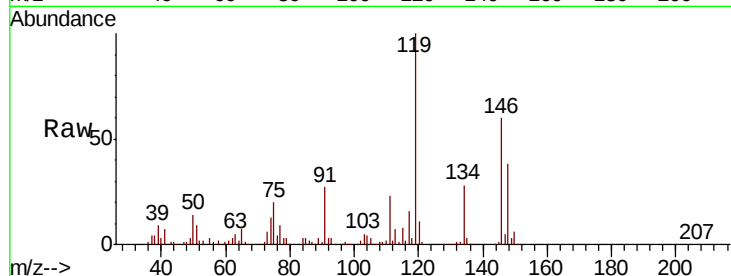




#87
 1,3-Dichlorobenzene
 Concen: 19.628 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

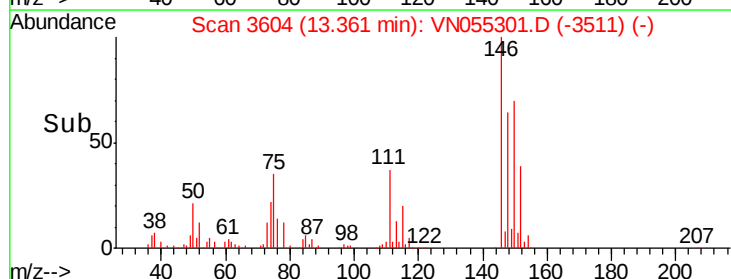
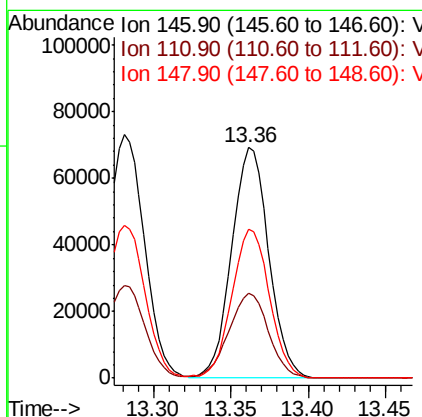
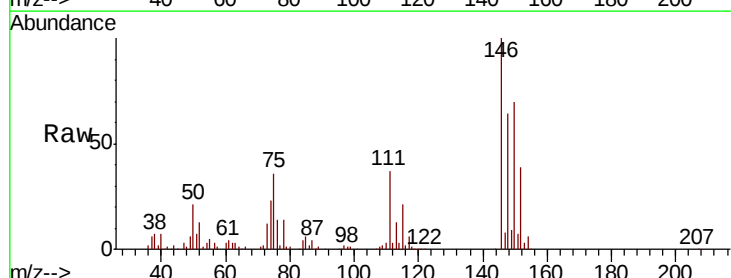
Instrument :
 MSVOA_N
 ClientSampled :

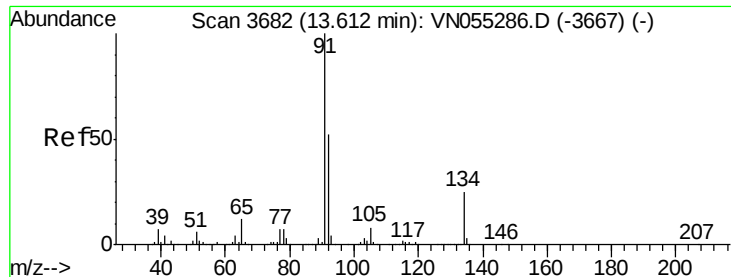
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.5	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.612 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	65.3	32.5	97.4





#89

n-Butylbenzene

Concen: 18.478 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

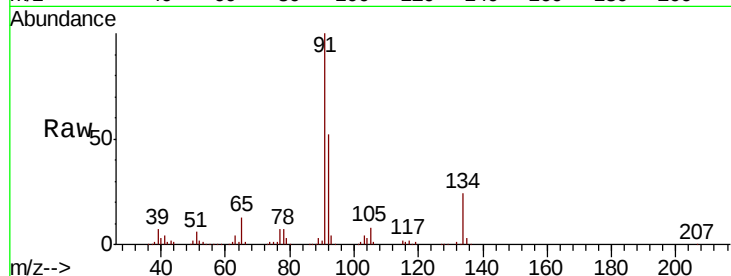
Tot Ion: 91 Resp: 171836

Ion Ratio Lower Upper

91 100

92 51.9 26.1 78.3

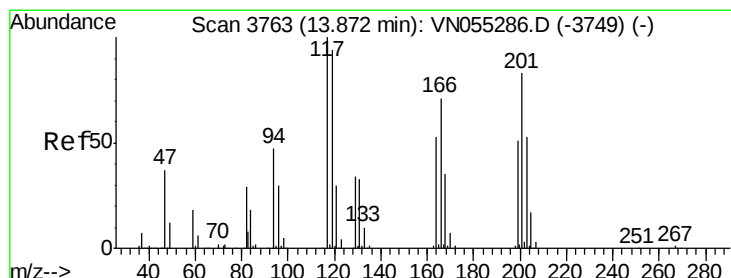
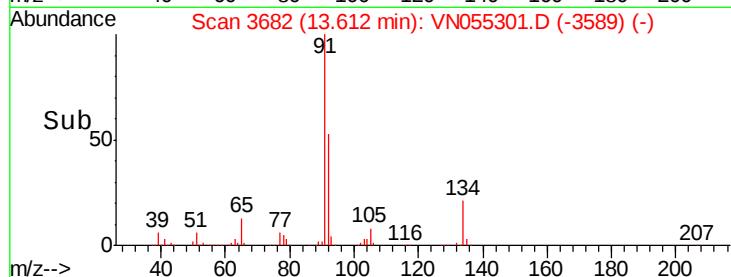
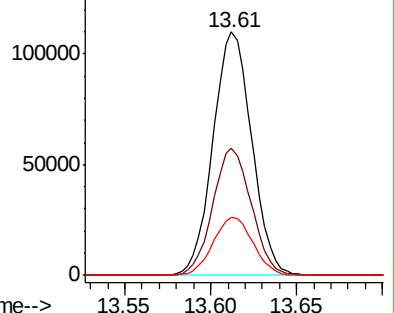
134 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.667 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055301.D

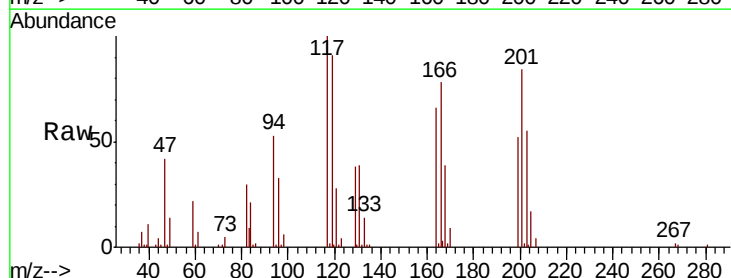
Acq: 30 Apr 2019 12:13

Tgt Ion: 117 Resp: 44741

Ion Ratio Lower Upper

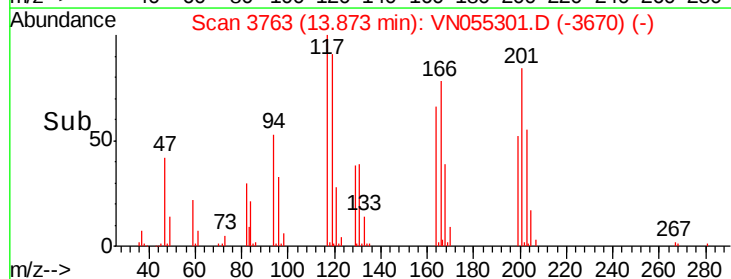
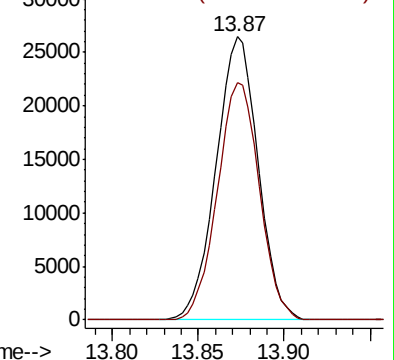
117 100

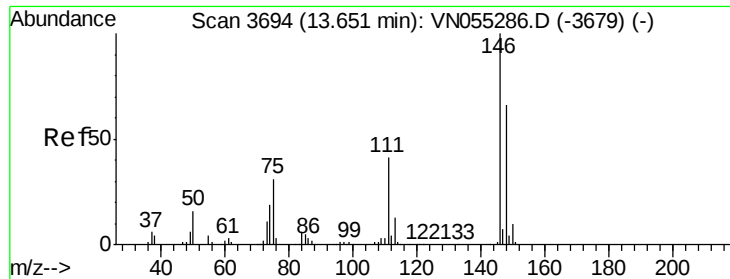
201 83.8 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.092 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

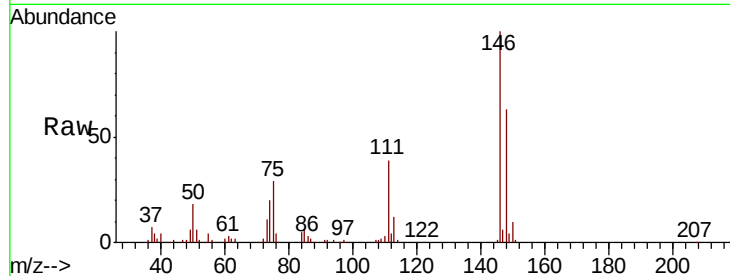
Tot Ion:146 Resp: 124519

Ion Ratio Lower Upper

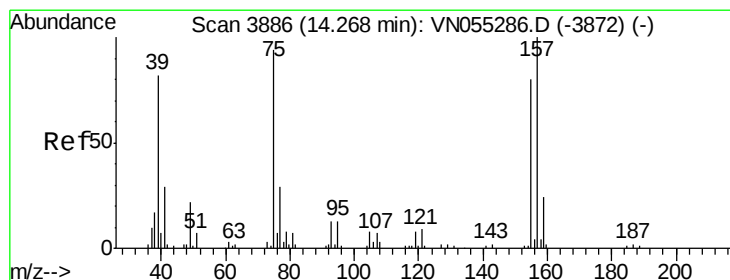
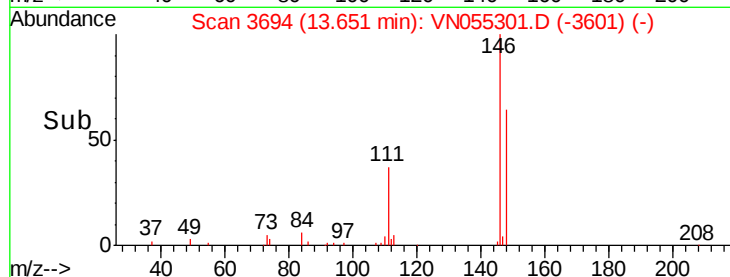
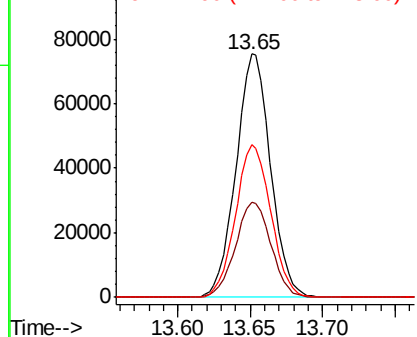
146 100

111 40.2 20.3 61.0

148 63.9 32.4 97.2



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: 22.422 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

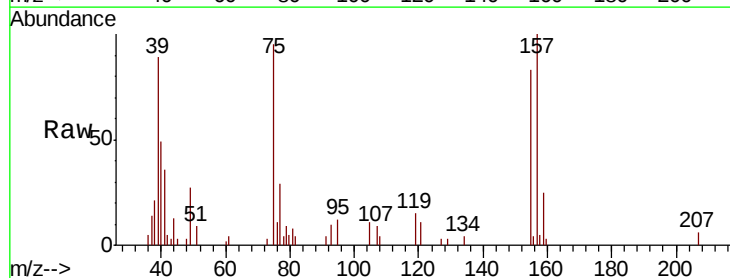
Tgt Ion: 75 Resp: 11023

Ion Ratio Lower Upper

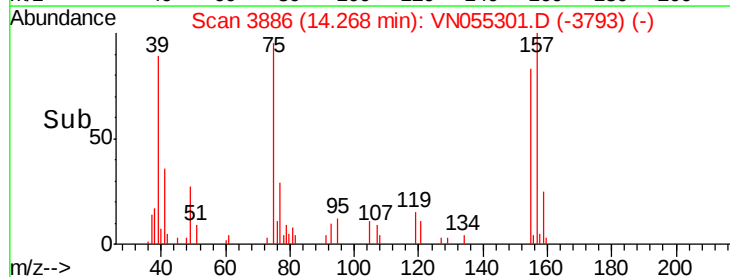
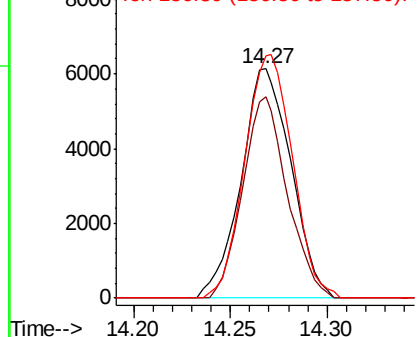
75 100

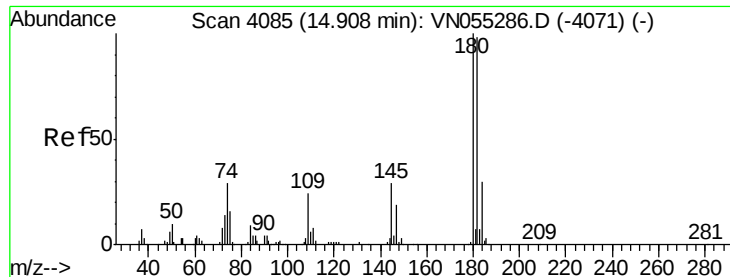
155 78.3 41.5 124.6

157 101.5 54.0 162.2



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

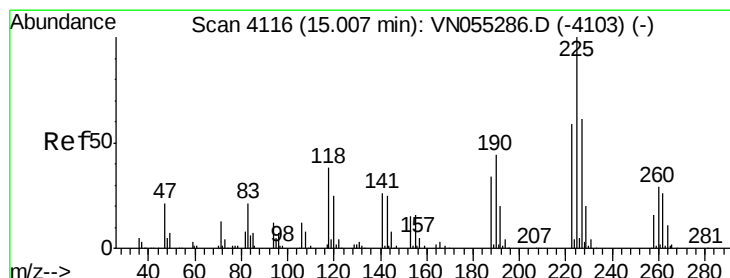
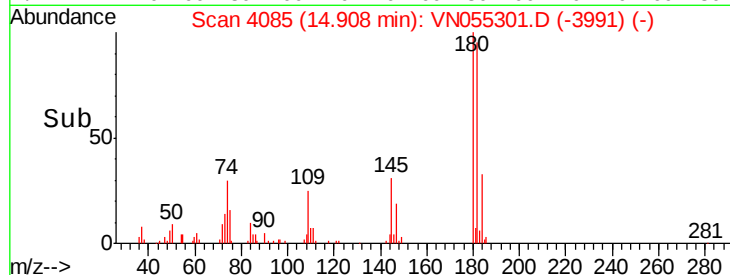
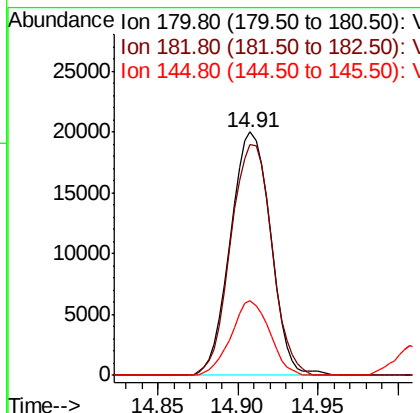
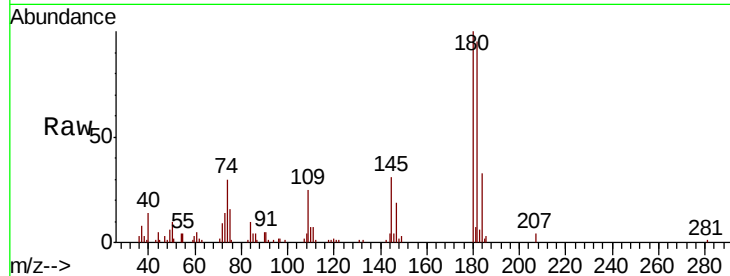




#93
 1,2,4-Trichlorobenzene
 Concen: 16.422 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

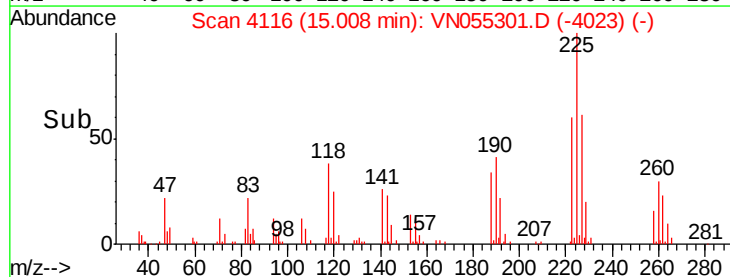
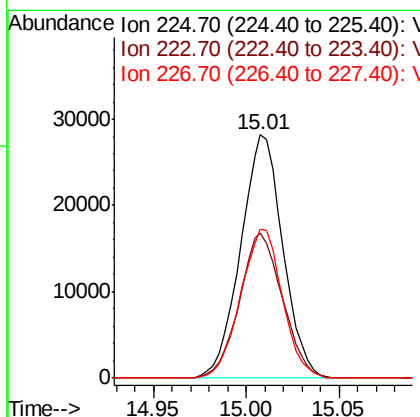
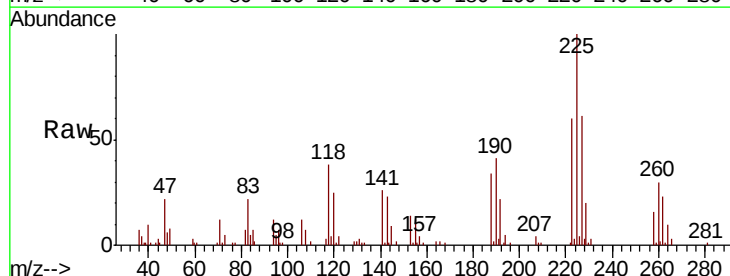
Instrument :
 MSVOA_N
 ClientSampled :

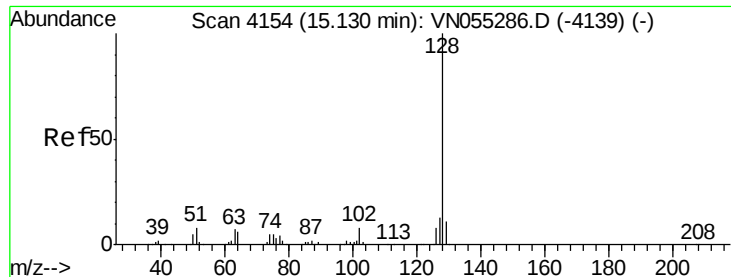
Tot Ion:180 Resp: 34306
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.3 144.9
 145 29.4 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 22.266 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion:225 Resp: 44419
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.3 90.8
 227 60.8 30.9 92.7





#95

Naphthalene

Concen: 16.391 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

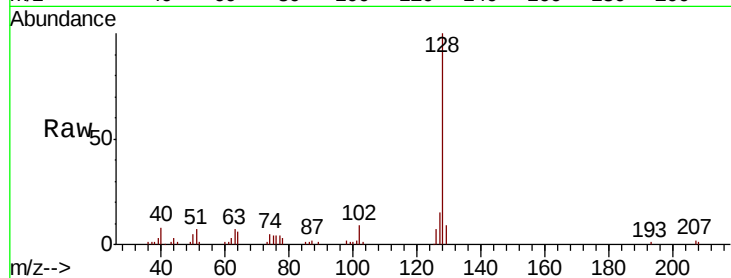
Tot Ion:128 Resp: 72684

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

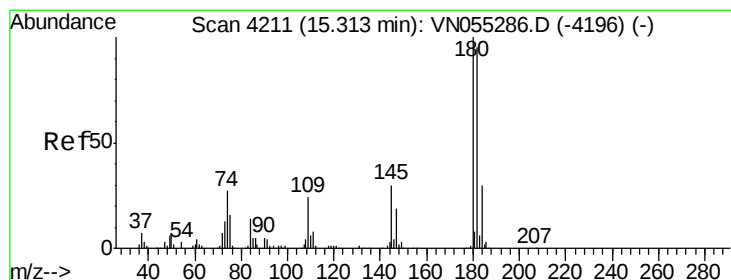
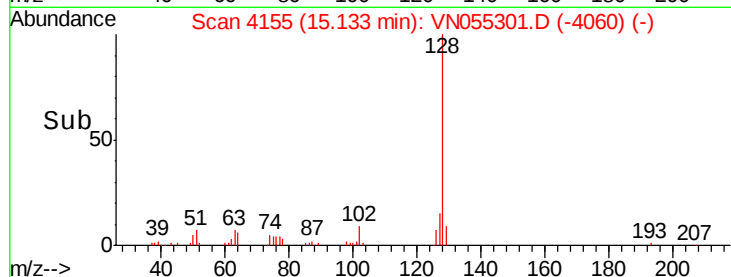
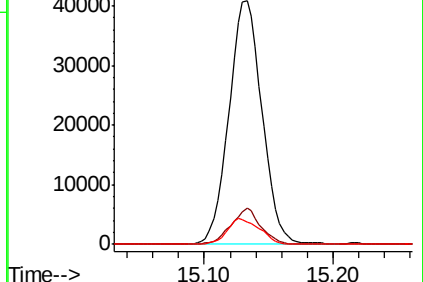
129 10.2 8.6 13.0



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: 17.033 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

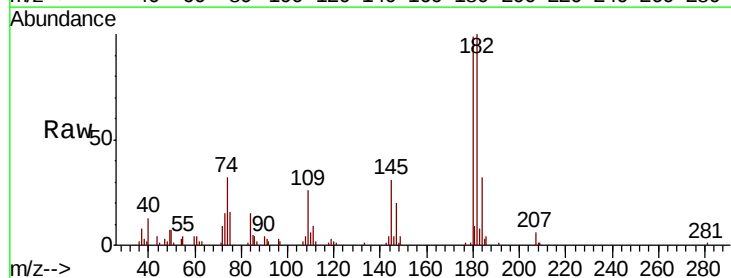
Tgt Ion:180 Resp: 36611

Ion Ratio Lower Upper

180 100

182 99.2 48.3 144.9

145 30.9 15.2 45.6



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

