

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054409.D
 Acq On : 18 Mar 2019 23:06
 Operator : JC/SP
 Sample : VN0318WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Quant Time: Mar 19 05:16:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1829653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	717899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	639762	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	603737	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	2148128	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	709560	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	225068	20.017	ug/l	98
3) Chloromethane	2.06	50	214647	19.653	ug/l	100
4) Vinyl Chloride	2.19	62	242173	19.399	ug/l	98
5) Bromomethane	2.57	94	167918	19.422	ug/l	98
6) Chloroethane	2.71	64	144098	19.078	ug/l	100
7) Trichlorofluoromethane	3.02	101	312511	18.829	ug/l	98
8) Diethyl Ether	3.41	74	161914	21.408	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249353	20.049	ug/l	99
10) Methyl Iodide	3.94	142	330297	19.637	ug/l	98
11) Tert butyl alcohol	4.82	59	77012	89.161	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	249920	20.277	ug/l	97
13) Acrolein	3.61	56	56230	68.701	ug/l	99
14) Allyl chloride	4.32	41	307786	19.463	ug/l	99
15) Acrylonitrile	5.00	53	396895	111.864	ug/l	99
16) Acetone	3.82	43	275017	76.235	ug/l	100
17) Carbon Disulfide	4.04	76	492191	15.930	ug/l	98
18) Methyl Acetate	4.33	43	185533	25.420	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	655175	21.446	ug/l	99
20) Methylene Chloride	4.54	84	254481	21.484	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	242574	20.541	ug/l	100
22) Diisopropyl ether	5.96	45	681741	21.601	ug/l	98
23) Vinyl Acetate	5.90	43	2311240	99.321	ug/l	99
24) 1,1-Dichloroethane	5.85	63	435123	21.472	ug/l	99
25) 2-Butanone	6.85	43	442215	104.441	ug/l	99
26) 2,2-Dichloropropane	6.82	77	258269	14.492	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	288038	21.863	ug/l	95
28) Bromochloromethane	7.19	49	171843	20.743	ug/l	98
29) Tetrahydrofuran	7.22	42	297746	109.370	ug/l	98
30) Chloroform	7.37	83	466328	22.052	ug/l	99
31) Cyclohexane	7.65	56	382211	19.423	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	387581	20.294	ug/l	99
36) 1,1-Dichloropropene	7.79	75	322070	19.114	ug/l	98
37) Ethyl Acetate	6.94	43	191073	19.736	ug/l	98
38) Carbon Tetrachloride	7.77	117	334994	18.959	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Quant Time: Mar 19 05:16:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363773	17.547	ug/l	99
40) Benzene	8.04	78	1036811	21.503	ug/l	99
41) Methacrylonitrile	7.18	41	104698	18.940	ug/l	92
42) 1,2-Dichloroethane	8.12	62	338014	20.764	ug/l	99
43) Isopropyl Acetate	8.17	43	315608	18.572	ug/l	98
44) Trichloroethene	8.83	130	304072	20.301	ug/l	99
45) 1,2-Dichloropropane	9.12	63	264481	22.090	ug/l	98
46) Dibromomethane	9.21	93	171198	21.163	ug/l	99
47) Bromodichloromethane	9.40	83	328933	20.283	ug/l	99
48) Methyl methacrylate	9.20	41	175543	20.355	ug/l	99
49) 1,4-Dioxane	9.20	88	52155	427.548	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	956181	106.323	ug/l	99
52) Toluene	10.16	92	634676	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	277694	16.363	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	352669	18.662	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249310	22.333	ug/l	98
56) Ethyl methacrylate	10.43	69	268749	20.190	ug/l	97
57) 1,3-Dichloropropane	10.71	76	394965	21.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	505421	98.459	ug/l	99
59) 2-Hexanone	10.75	43	579209	96.792	ug/l	97
60) Dibromochloromethane	10.90	129	246904	19.650	ug/l	99
61) 1,2-Dibromoethane	11.01	107	236682	20.864	ug/l	98
64) Tetrachloroethene	10.63	164	315041	20.461	ug/l	99
65) Chlorobenzene	11.43	112	732516	20.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	263533	20.746	ug/l	99
67) Ethyl Benzene	11.51	91	1191028	20.548	ug/l	100
68) m/p-Xylenes	11.62	106	932350	41.154	ug/l	99
69) o-Xylene	11.95	106	471934	21.369	ug/l	97
70) Styrene	11.96	104	714561	20.630	ug/l	99
71) Bromoform	12.13	173	154703	17.576	ug/l #	99
73) Isopropylbenzene	12.25	105	1212236	21.106	ug/l	99
74) N-amyl acetate	12.07	43	251234	19.706	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	275470	22.511	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	309305	29.298	ug/l #	100
77) Bromobenzene	12.53	156	323140	21.261	ug/l	98
78) n-propylbenzene	12.59	91	1290942	20.714	ug/l	99
79) 2-Chlorotoluene	12.67	91	792753	21.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	975128	20.411	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42164	13.653	ug/l #	84
82) 4-Chlorotoluene	12.77	91	770176	20.583	ug/l	100
83) tert-Butylbenzene	12.99	119	915405	20.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	986589	21.050	ug/l	100
85) sec-Butylbenzene	13.17	105	1116456	19.577	ug/l	100
86) p-Isopropyltoluene	13.29	119	959736	19.183	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	529818	20.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	501252	19.924	ug/l	98
89) n-Butylbenzene	13.61	91	668719	17.591	ug/l	99
90) Hexachloroethane	13.87	117	147439	17.797	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	539661	21.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36314	19.177	ug/l	95

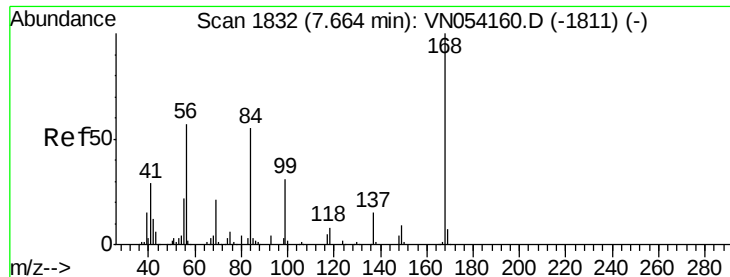
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233678	17.198	ug/l	98
94) Hexachlorobutadiene	15.01	225	157419	16.507	ug/l	98
95) Naphthalene	15.13	128	498540	18.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238906	17.960	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

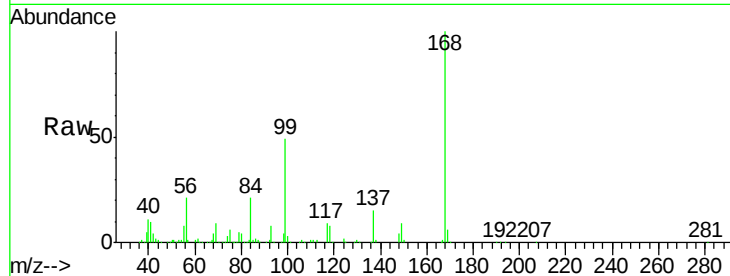
VN0318WBS02

Tot Ion:168 Resp: 1186381

Ion Ratio Lower Upper

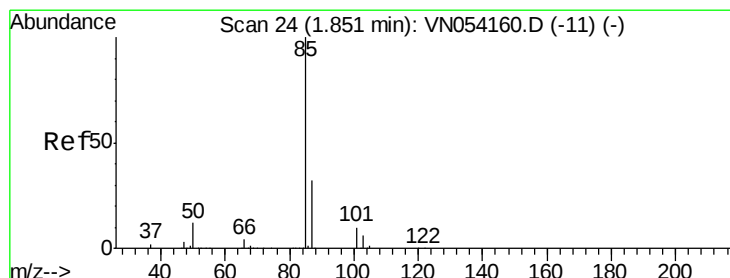
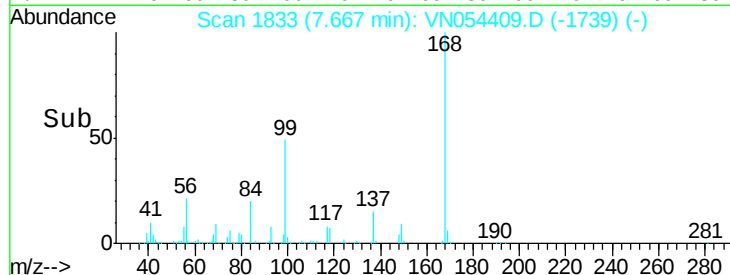
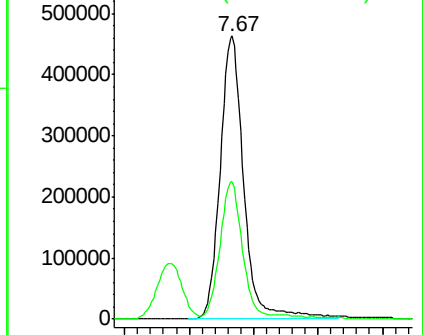
168 100

99 48.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.017 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054409.D

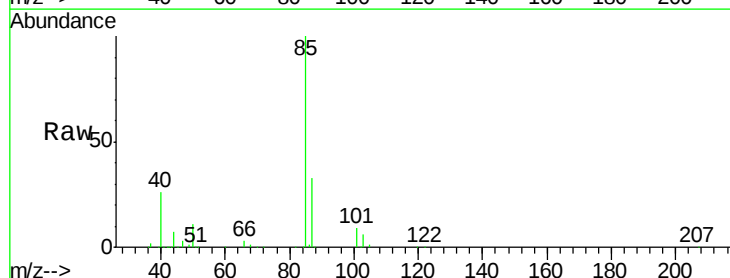
Acq: 18 Mar 2019 23:06

Tgt Ion: 85 Resp: 225068

Ion Ratio Lower Upper

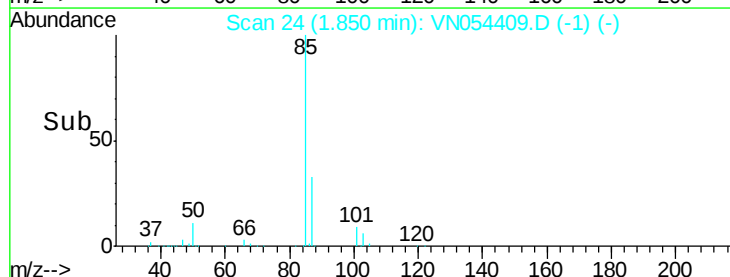
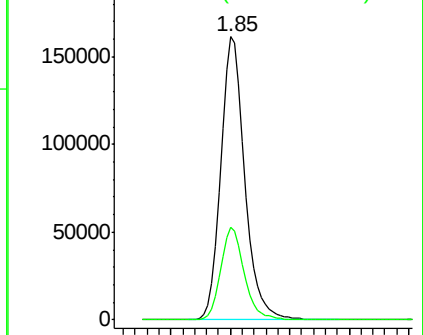
85 100

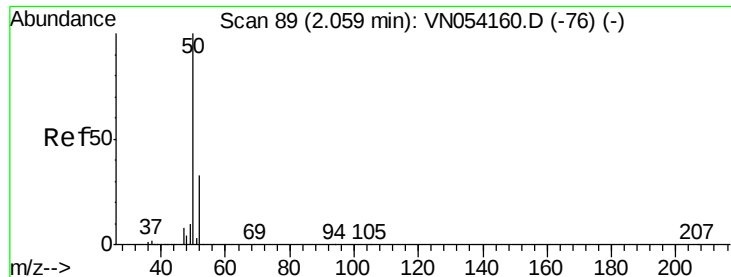
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.653 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

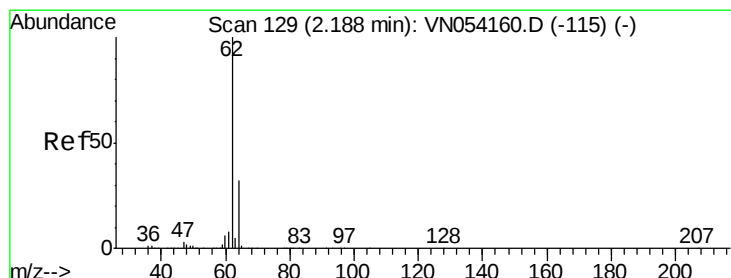
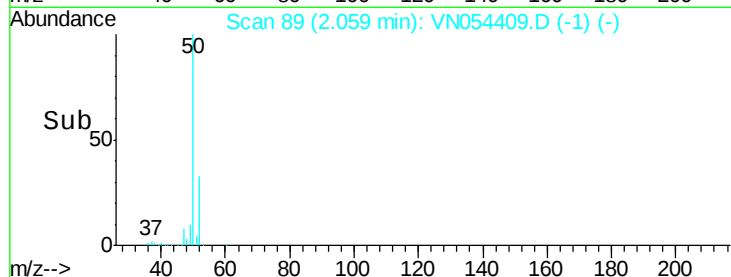
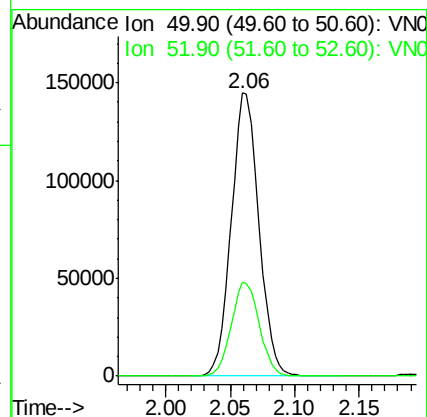
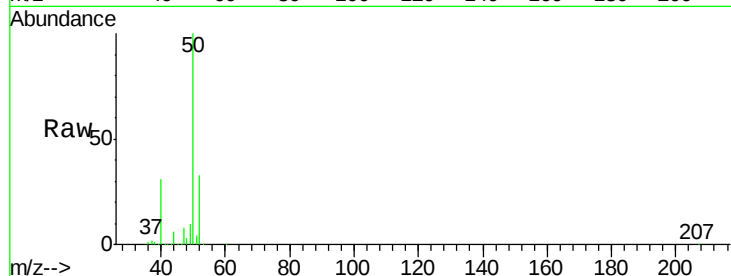
VN0318WBS02

Tot Ion: 50 Resp: 214647

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



#4

Vinyl Chloride

Concen: 19.399 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054409.D

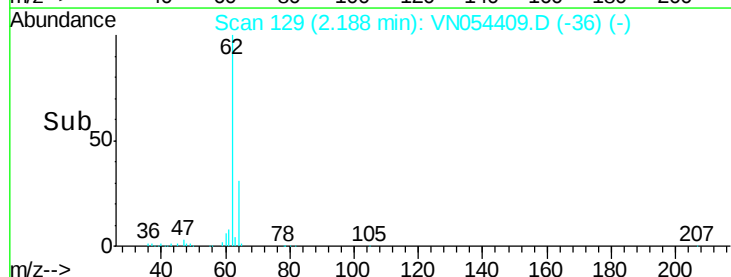
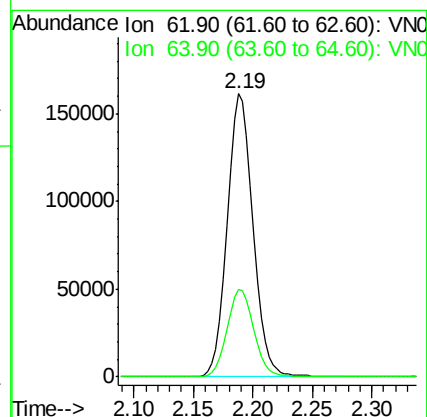
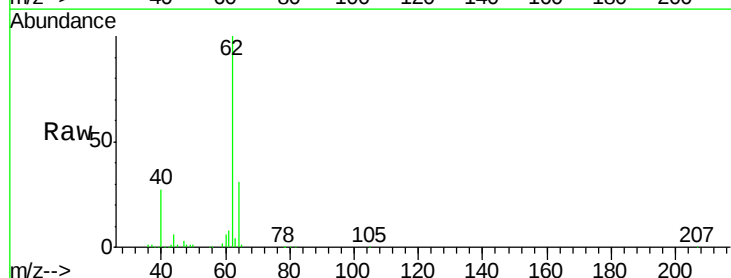
Acq: 18 Mar 2019 23:06

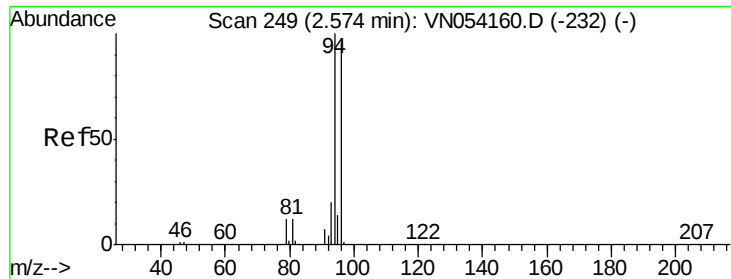
Tgt Ion: 62 Resp: 242173

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 19.422 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

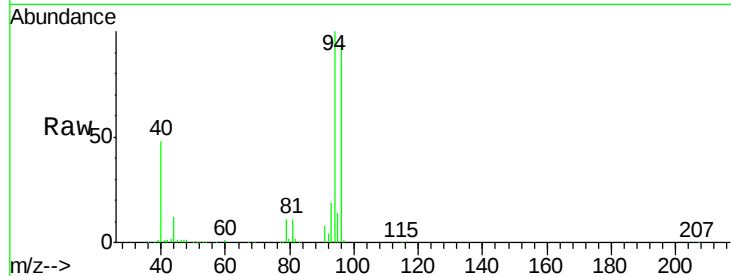
VN0318WBS02

Tot Ion: 94 Resp: 167918

Ion Ratio Lower Upper

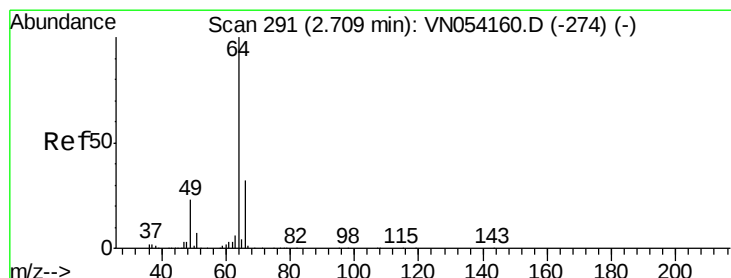
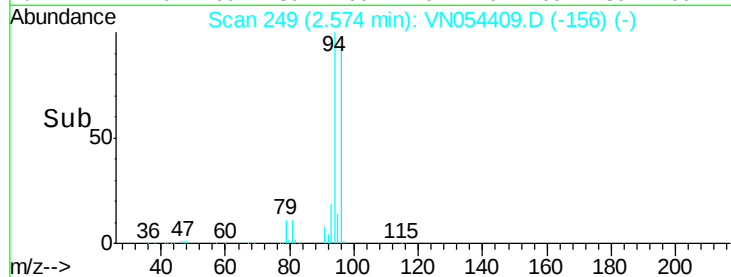
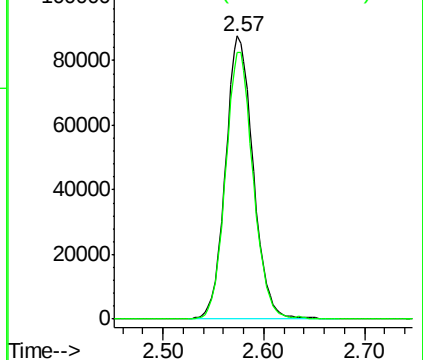
94 100

96 94.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.078 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054409.D

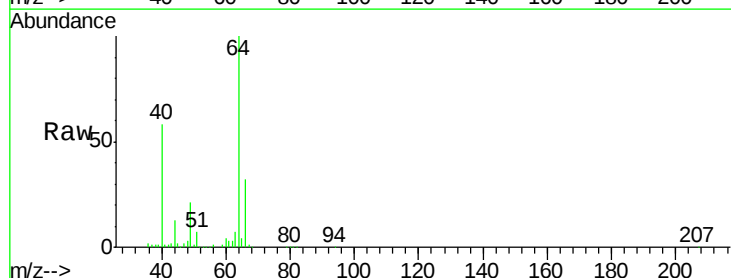
Acq: 18 Mar 2019 23:06

Tgt Ion: 64 Resp: 144098

Ion Ratio Lower Upper

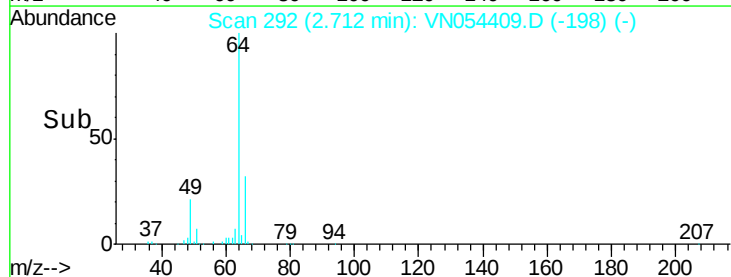
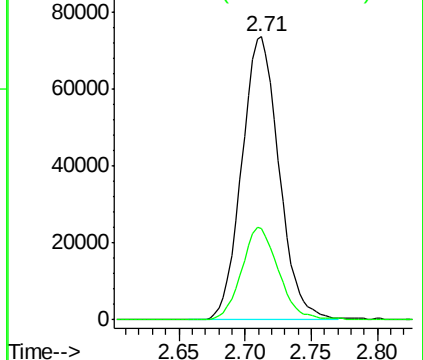
64 100

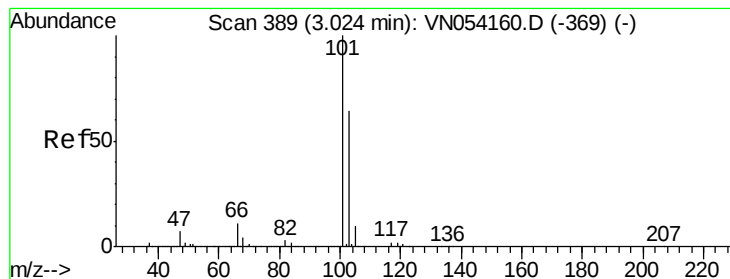
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



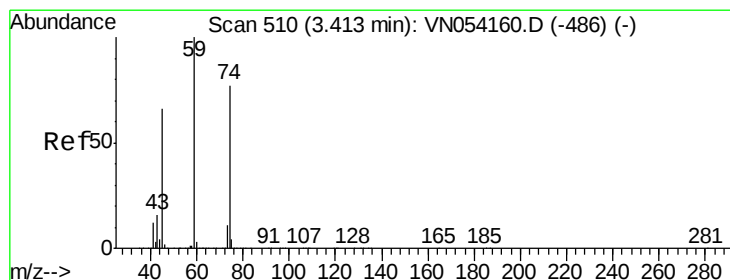
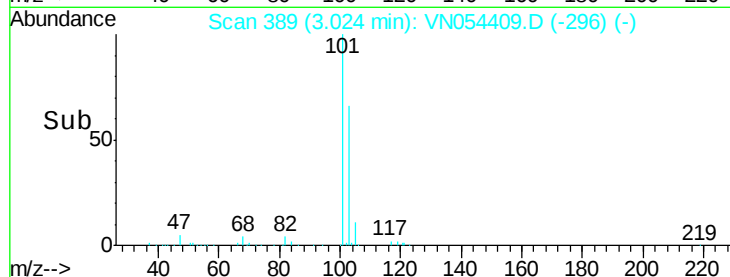
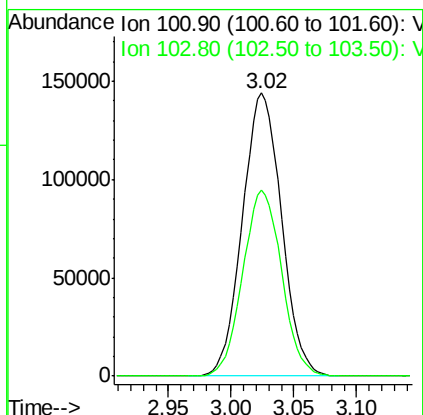
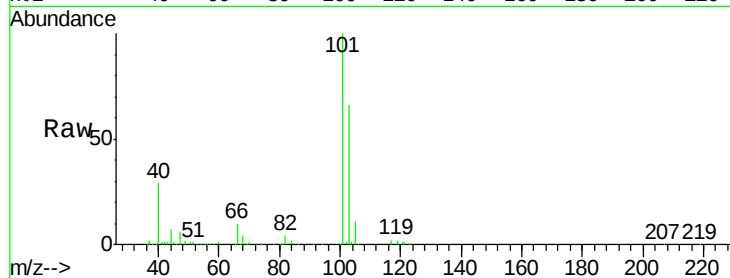


#7

Trichlorofluoromethane
 Concen: 18.829 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

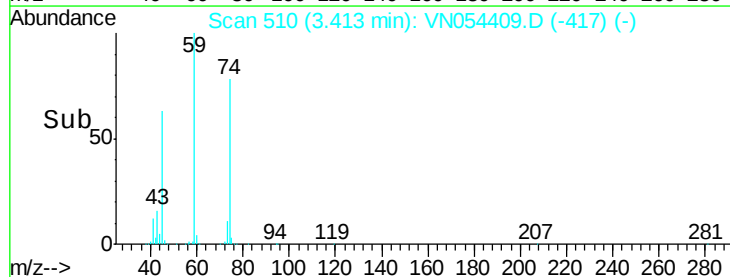
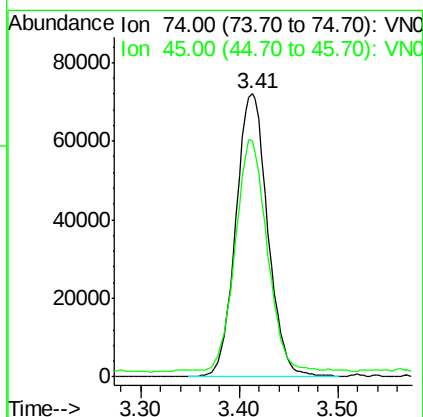
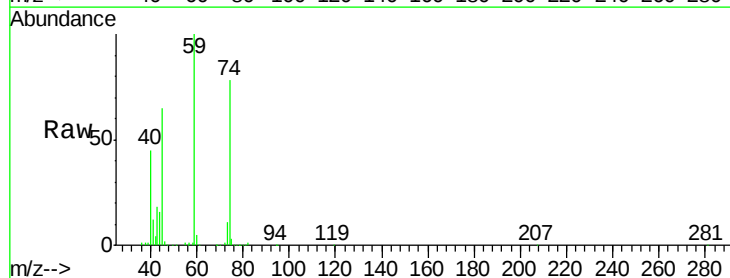
Tot Ion:101 Resp: 312511
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.2

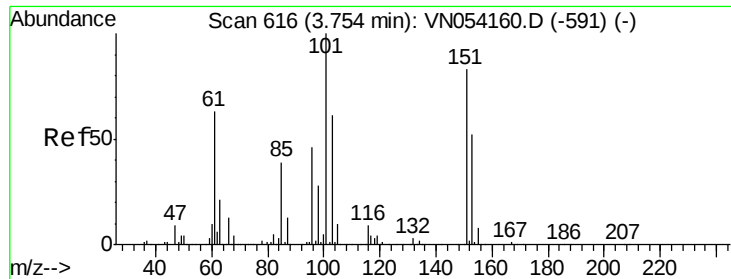


#8

Diethyl Ether
 Concen: 21.408 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 74 Resp: 161914
 Ion Ratio Lower Upper
 74 100
 45 80.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.049 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

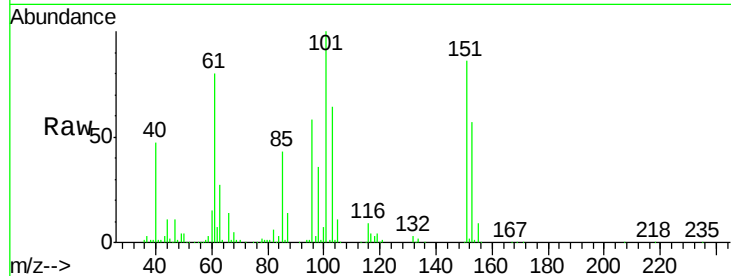
Tot Ion:101 Resp: 249353

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

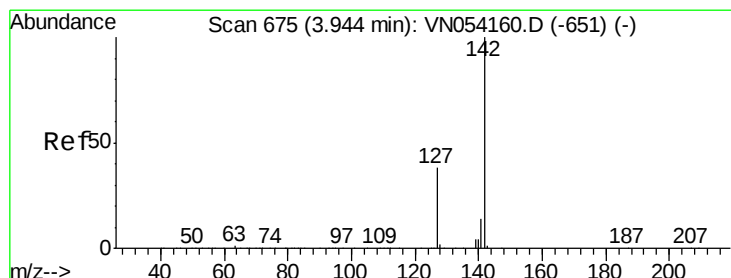
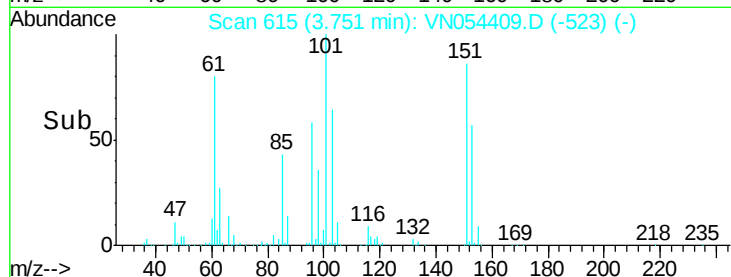
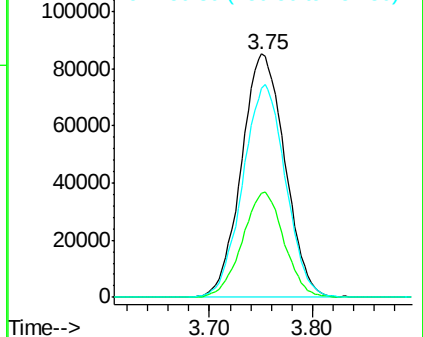
151 86.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.637 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

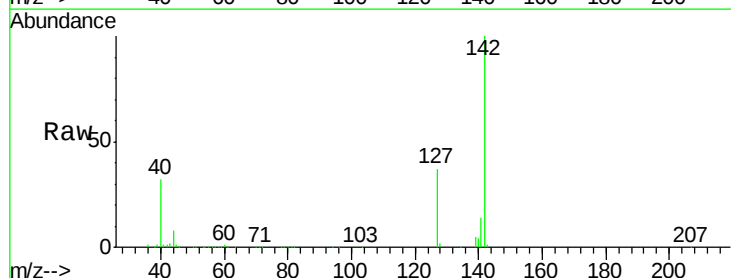
Tgt Ion:142 Resp: 330297

Ion Ratio Lower Upper

142 100

127 36.7 30.3 45.5

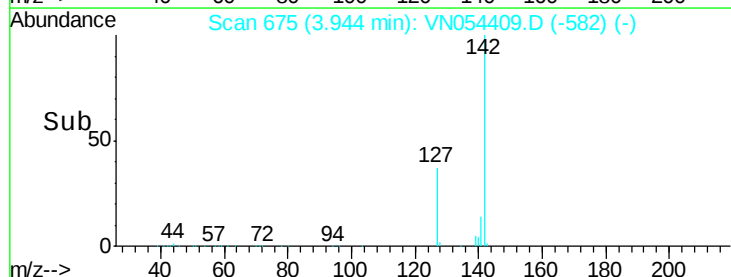
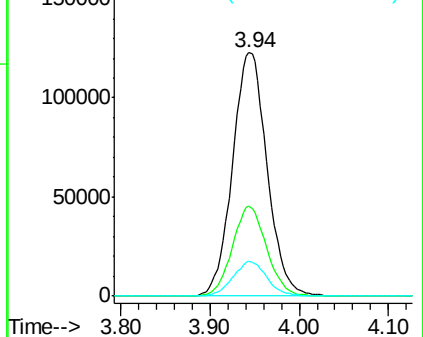
141 13.9 11.2 16.8

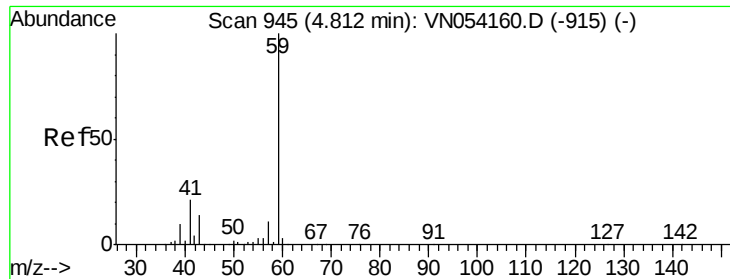


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

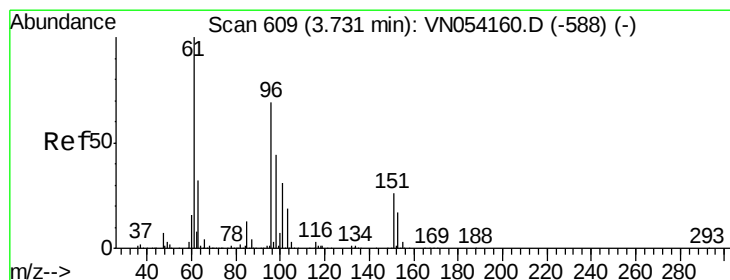
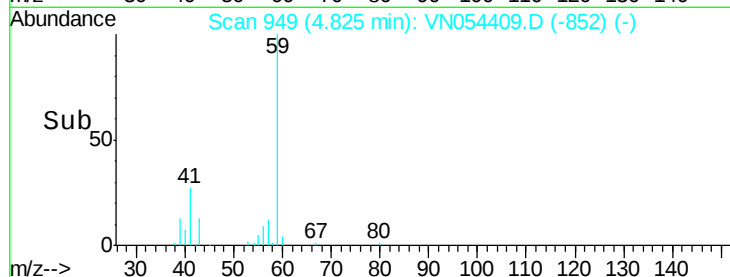
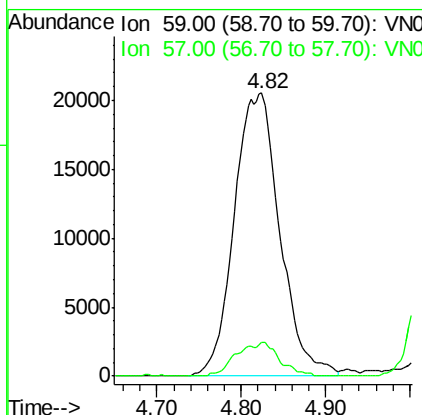
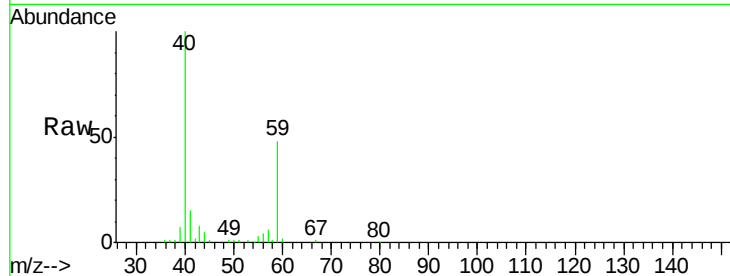




#11
Tert butyl alcohol
Concen: 89.161 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

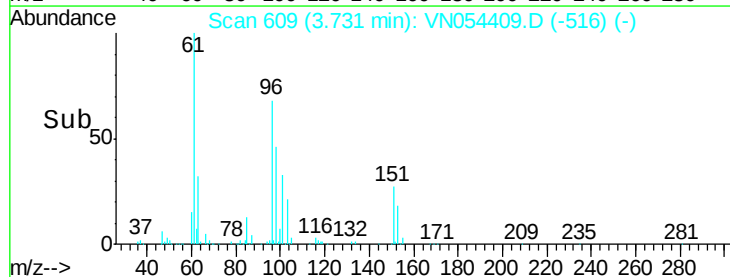
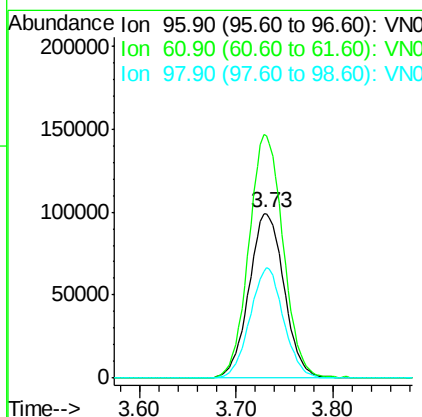
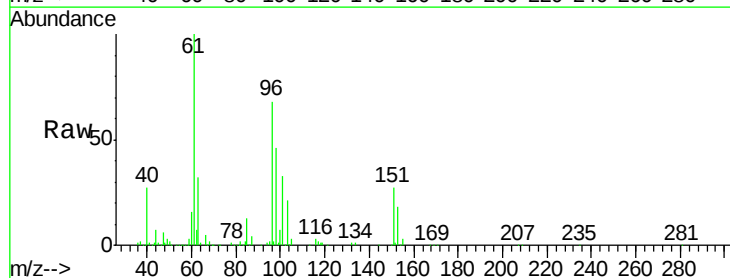
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 59 Resp: 77012
Ion Ratio Lower Upper
59 100
57 5.7 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 20.277 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 96 Resp: 249920
Ion Ratio Lower Upper
96 100
61 147.7 116.5 174.7
98 67.3 51.0 76.4





#13

Acrolein

Concen: 68.701 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

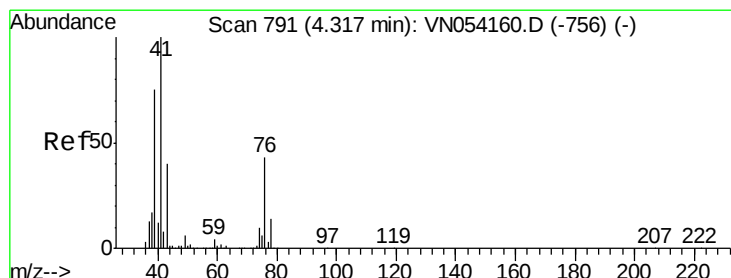
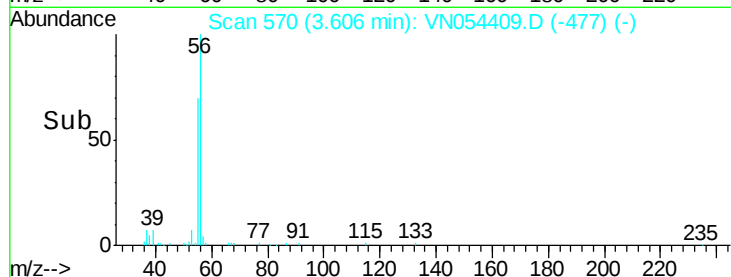
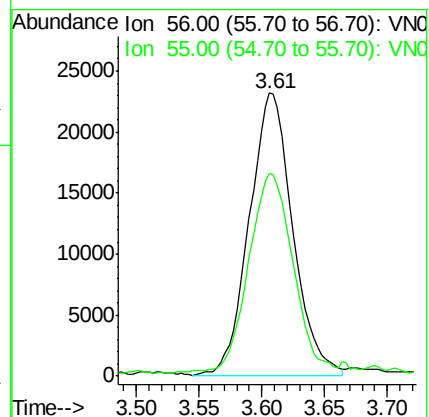
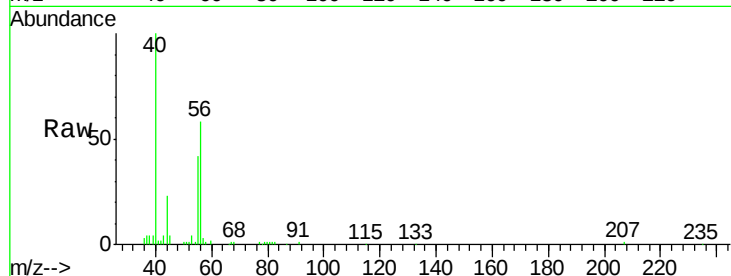
VN0318WBS02

Tot Ion: 56 Resp: 56230

Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



#14

Allyl chloride

Concen: 19.463 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

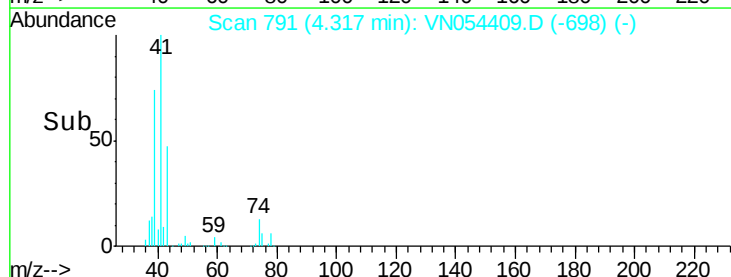
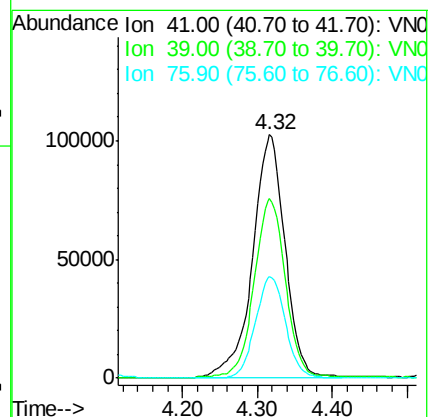
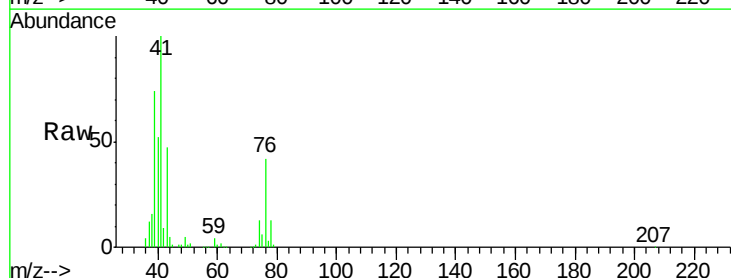
Tgt Ion: 41 Resp: 307786

Ion Ratio Lower Upper

41 100

39 72.1 58.2 87.4

76 38.9 31.7 47.5

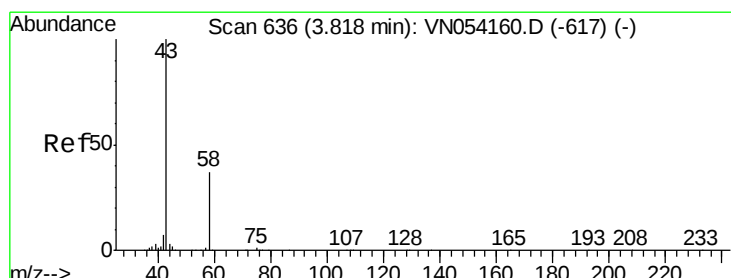
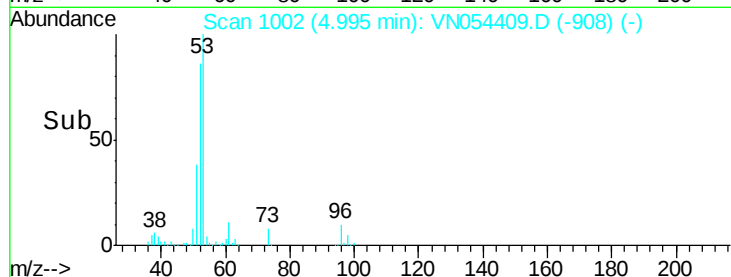
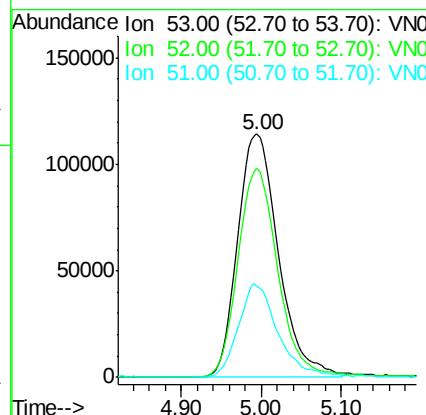
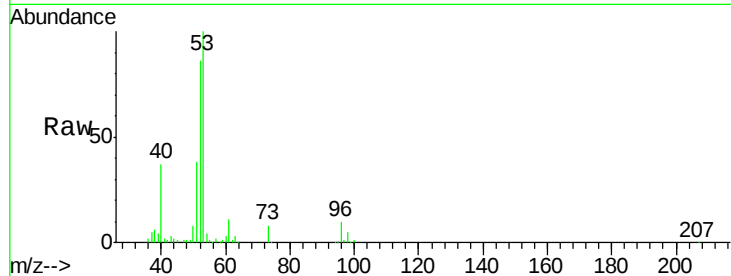




#15
 Acrylonitrile
 Concen: 111.864 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

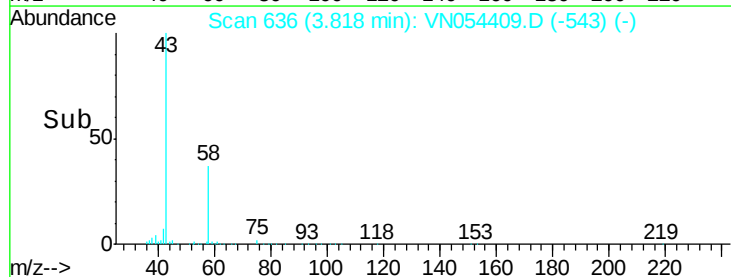
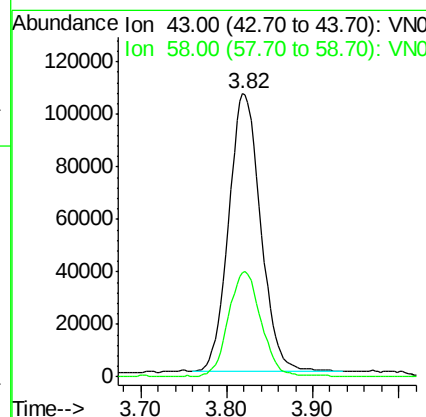
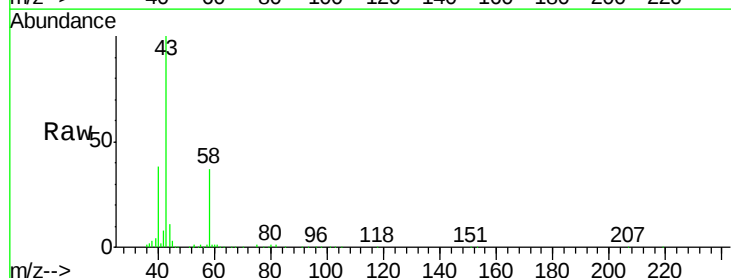
Instrument :
 MSVOA_N
 ClientSampled :
 VN0318WBS02

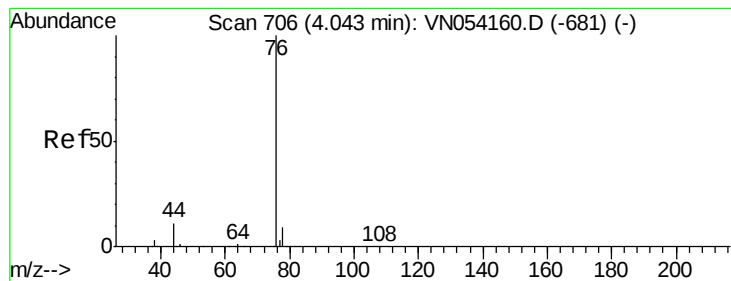
Tot Ion	53	Resp	396895
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.4	99.6
51	37.3	29.6	44.4



#16
 Acetone
 Concen: 76.235 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	43	Resp	275017
Ion Ratio	Lower	Upper	
43	100		
58	37.3	29.9	44.9





#17

Carbon Disulfide

Concen: 15.930 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

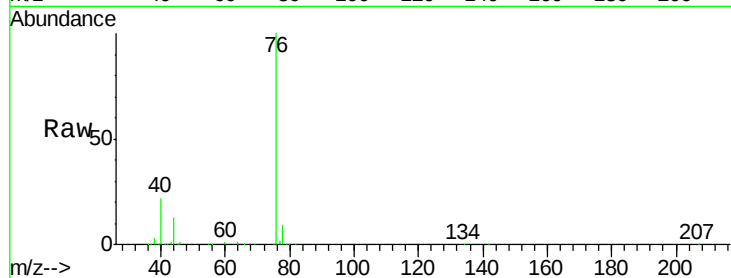
VN0318WBS02

Tot Ion: 76 Resp: 492191

Ion Ratio Lower Upper

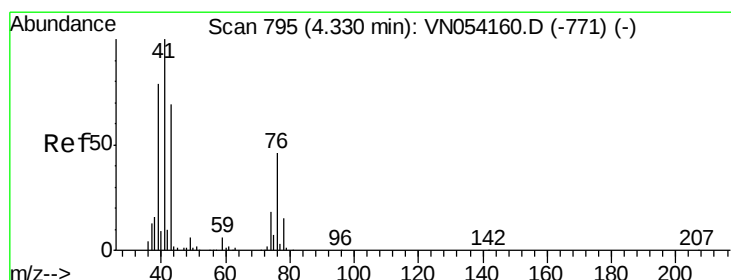
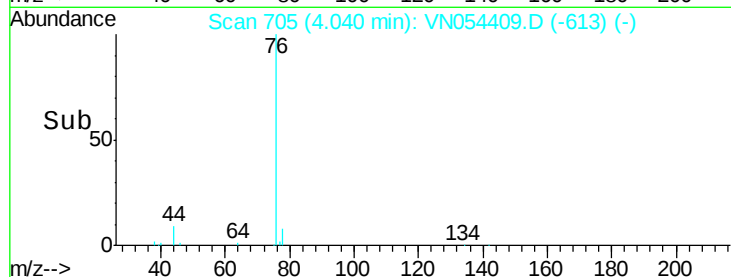
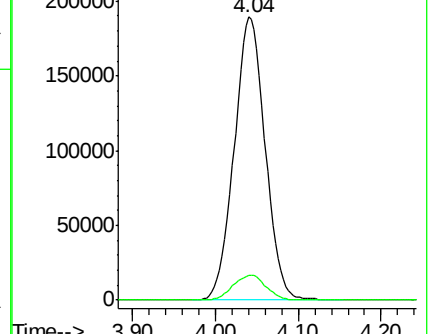
76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.420 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054409.D

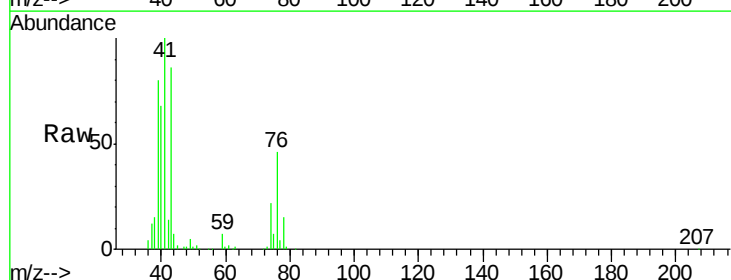
Acq: 18 Mar 2019 23:06

Tgt Ion: 43 Resp: 185533

Ion Ratio Lower Upper

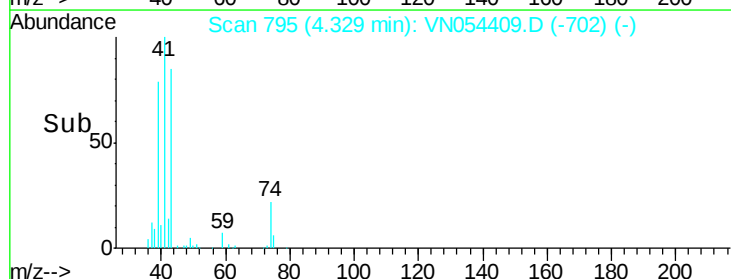
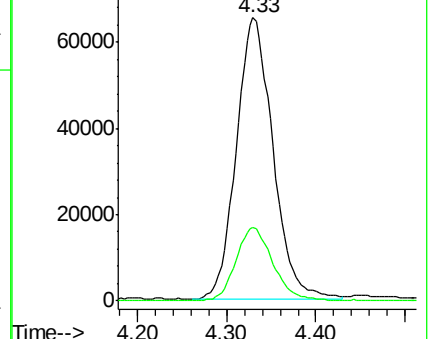
43 100

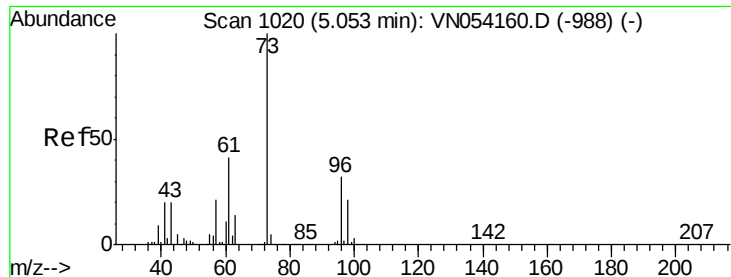
74 26.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

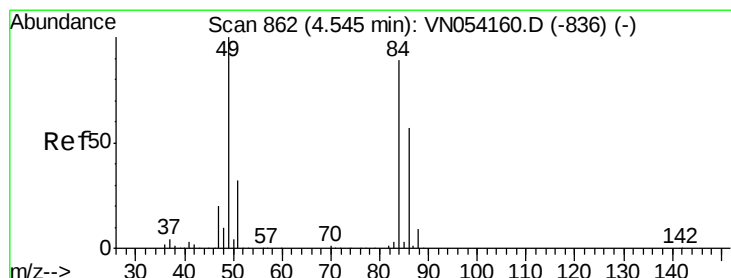
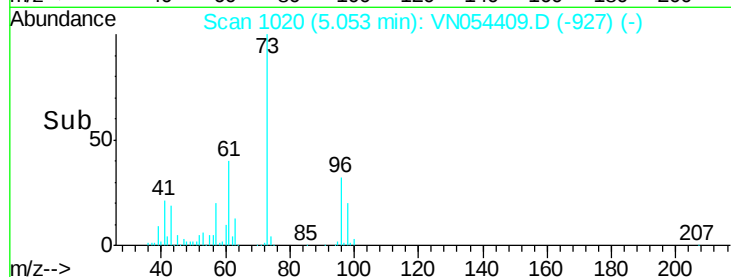
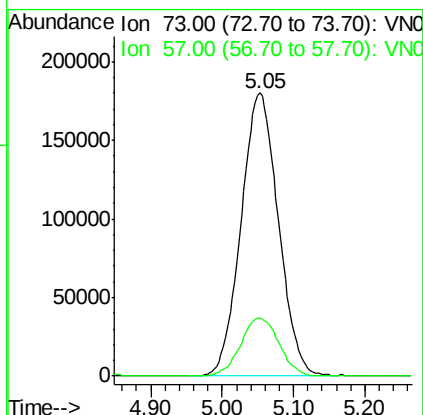
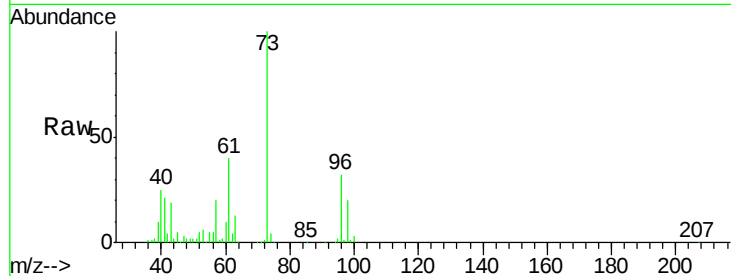




#19
Methyl tert-butyl Ether
Concen: 21.446 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

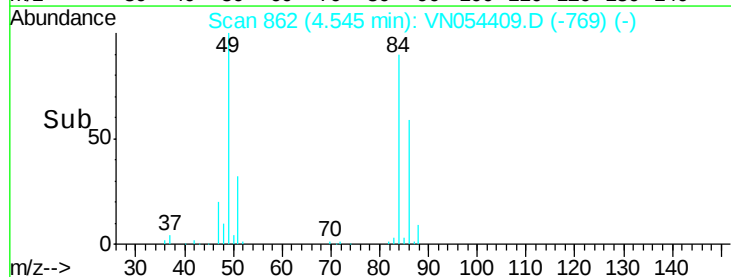
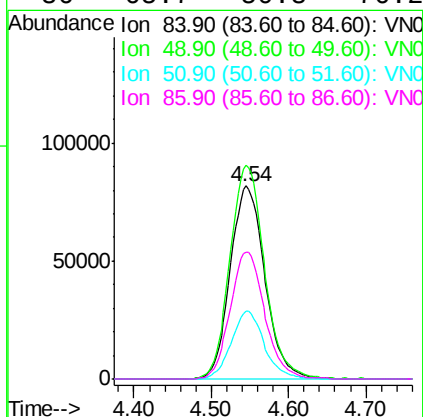
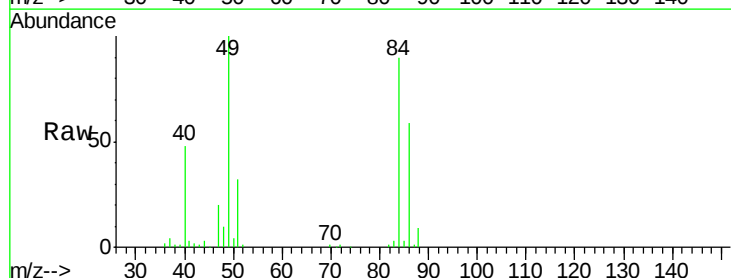
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

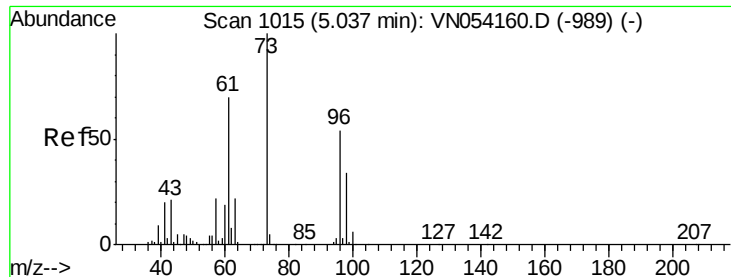
Tot Ion: 73 Resp: 655175
Ion Ratio Lower Upper
73 100
57 20.4 16.8 25.2



#20
Methylene Chloride
Concen: 21.484 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 84 Resp: 254481
Ion Ratio Lower Upper
84 100
49 110.7 89.7 134.5
51 34.9 28.2 42.4
86 65.7 50.8 76.2

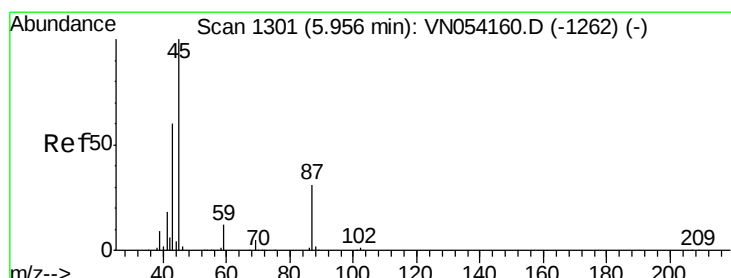
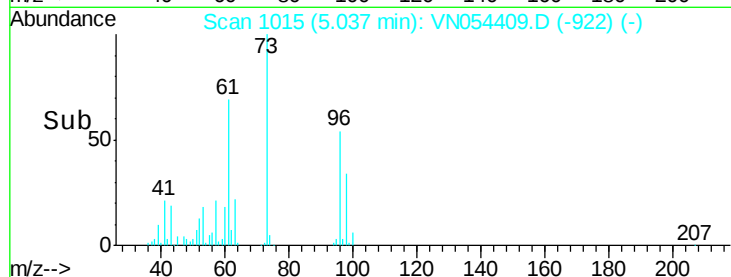
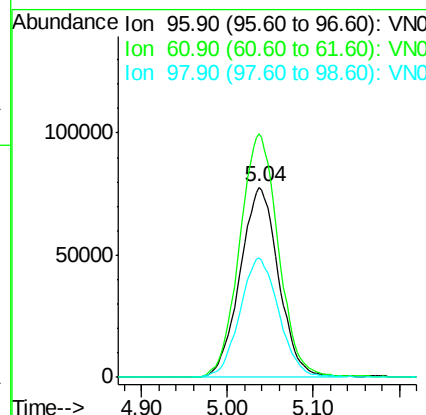
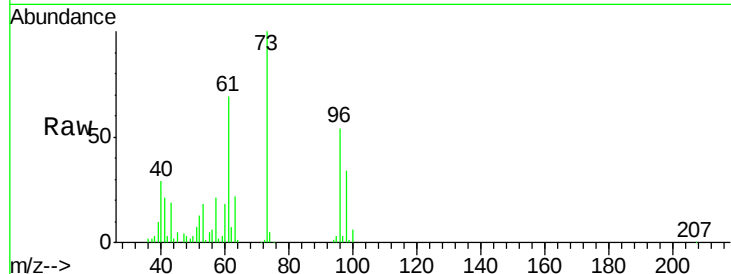




#21
trans-1,2-Dichloroethene
Concen: 20.541 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

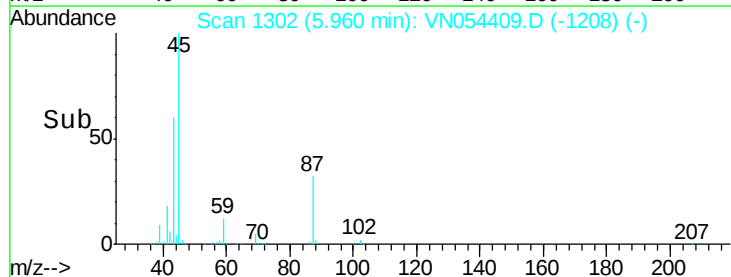
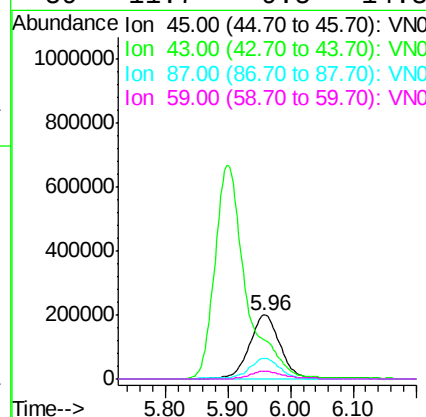
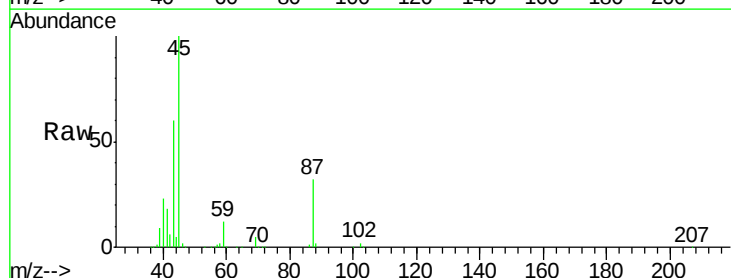
Instrument :
MSVOA_N
ClientSampled :
VN0318WBS02

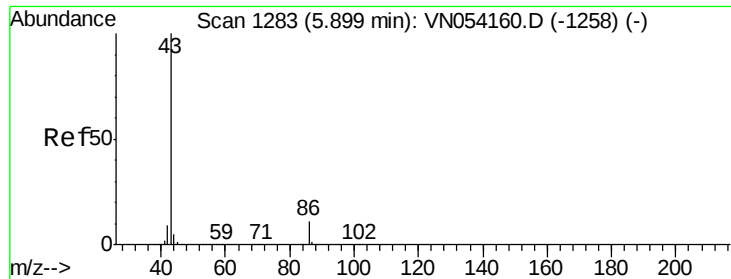
Tot Ion: 96 Resp: 242574
Ion Ratio Lower Upper
96 100
61 128.0 102.8 154.2
98 62.8 50.0 75.0



#22
Diisopropyl ether
Concen: 21.601 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 45 Resp: 681741
Ion Ratio Lower Upper
45 100
43 58.1 48.2 72.2
87 31.6 24.9 37.3
59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 99.321 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

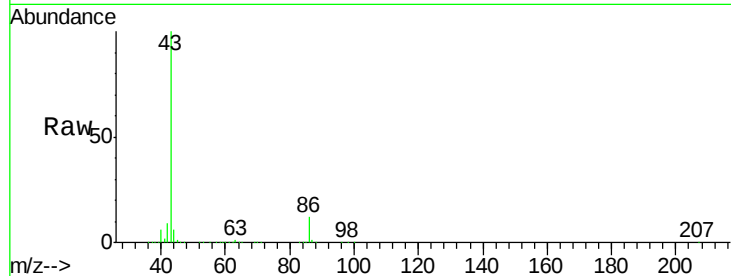
VN0318WBS02

Tot Ion: 43 Resp: 2311240

Ion Ratio Lower Upper

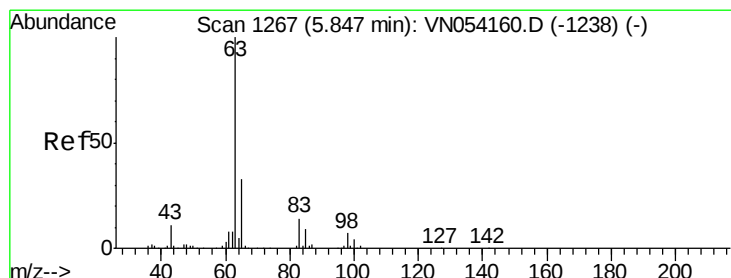
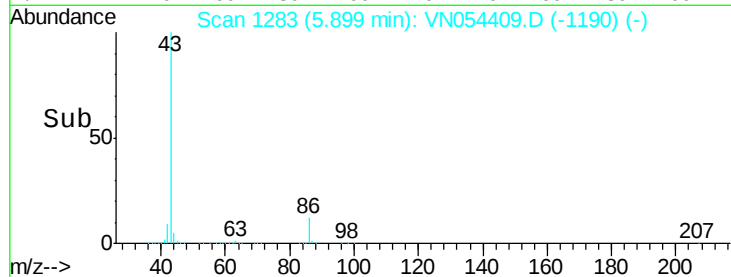
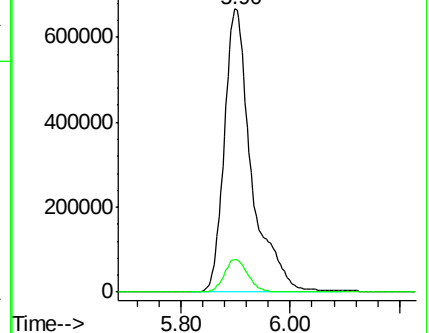
43 100

86 11.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.472 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

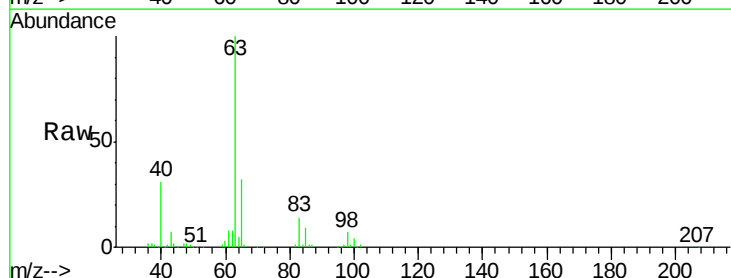
Tgt Ion: 63 Resp: 435123

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

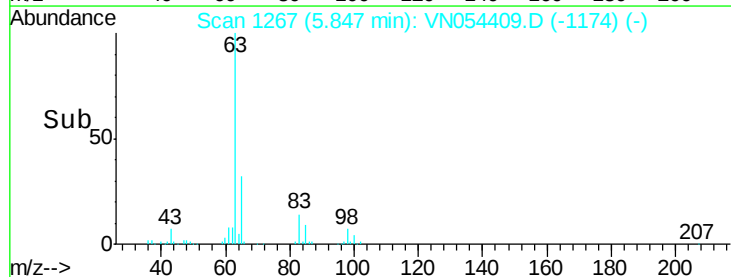
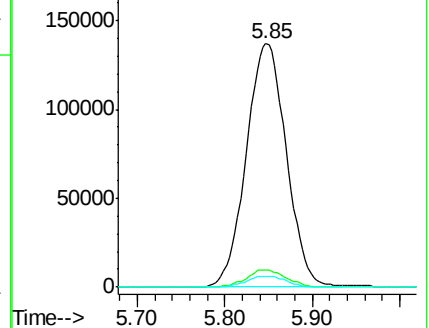
100 4.4 2.0 6.0

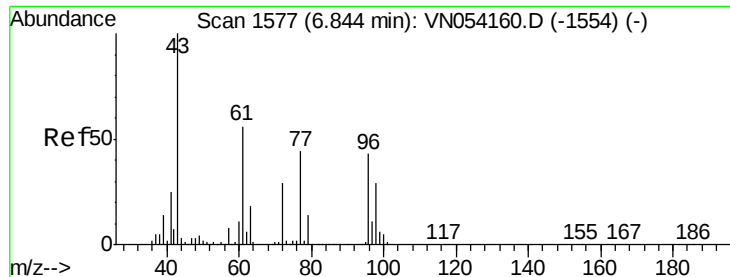


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.441 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

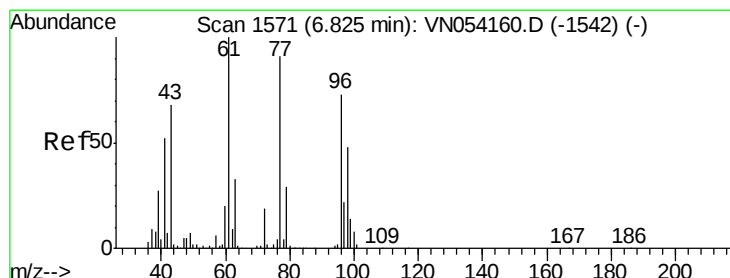
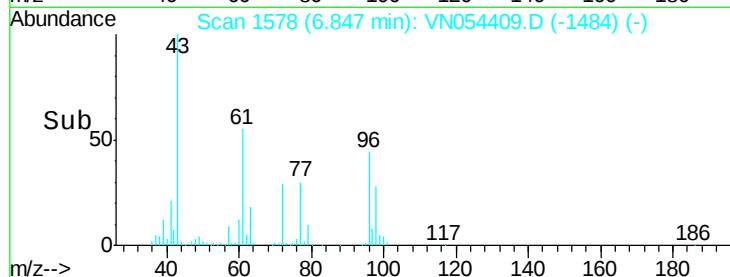
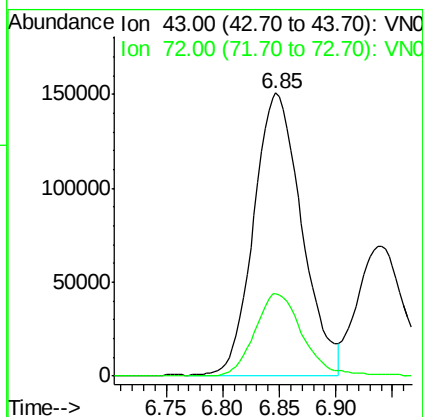
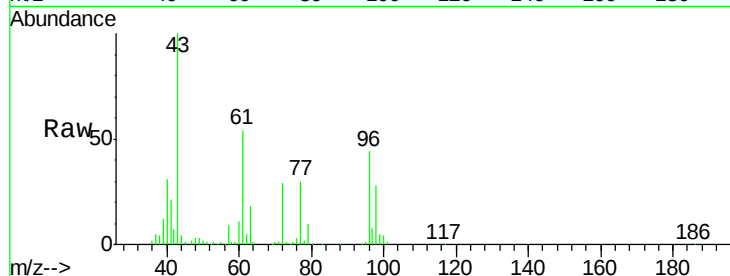
VN0318WBS02

Tot Ion: 43 Resp: 442215

Ion Ratio Lower Upper

43 100

72 29.4 23.0 34.6



#26

2,2-Dichloropropane

Concen: 14.492 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054409.D

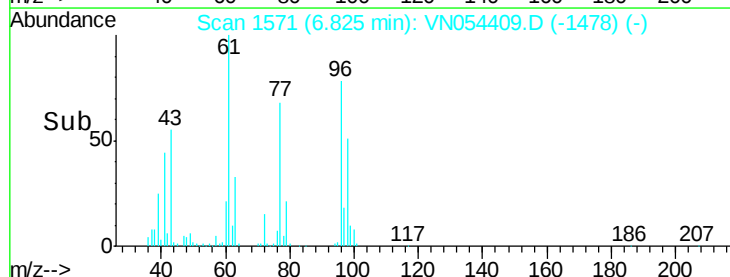
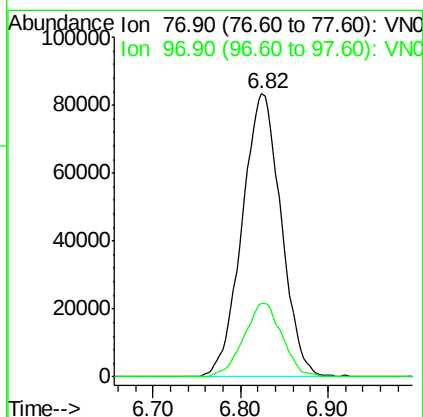
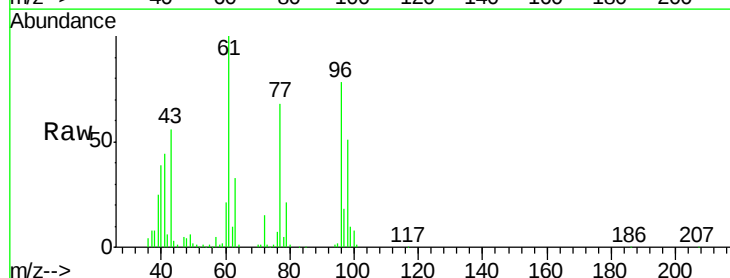
Acq: 18 Mar 2019 23:06

Tgt Ion: 77 Resp: 258269

Ion Ratio Lower Upper

77 100

97 25.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.863 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

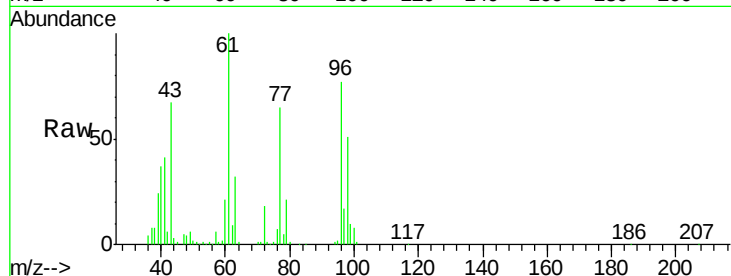
Tot Ion: 96 Resp: 288038

Ion Ratio Lower Upper

96 100

61 129.1 0.0 273.0

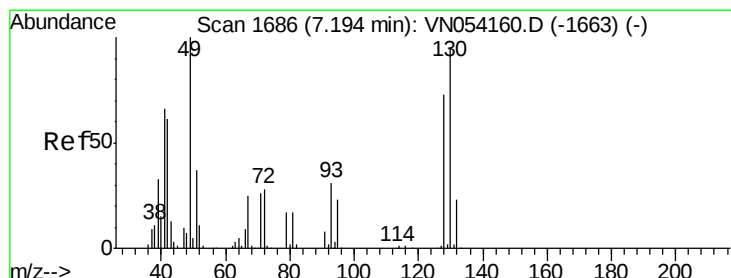
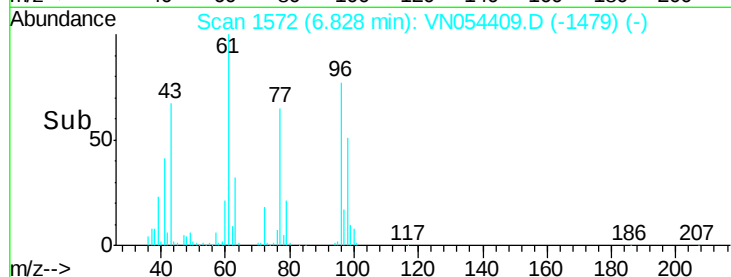
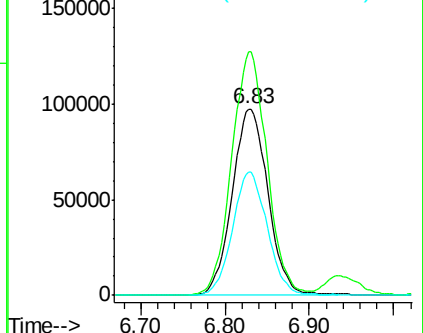
98 64.2 0.0 130.6



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: 20.743 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

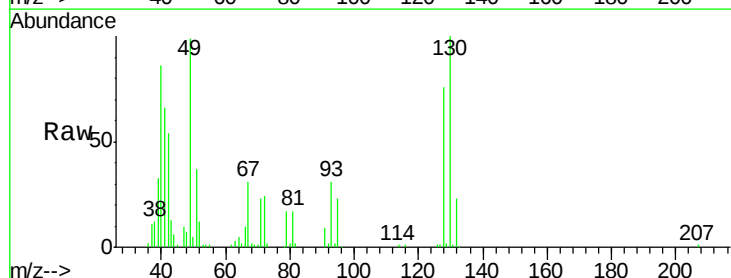
Tgt Ion: 49 Resp: 171843

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

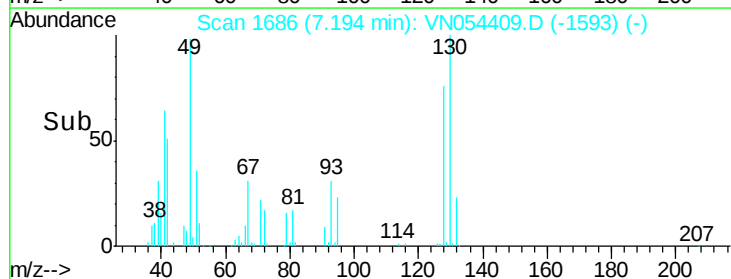
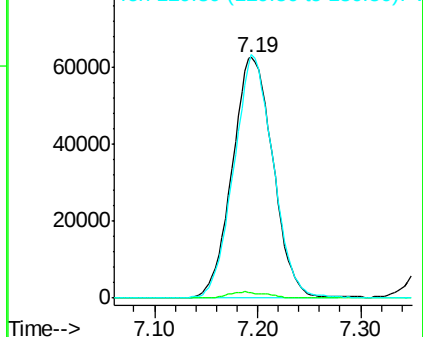
130 97.5 76.7 115.1

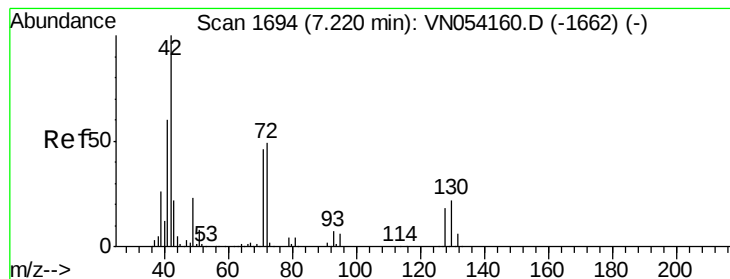


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.370 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

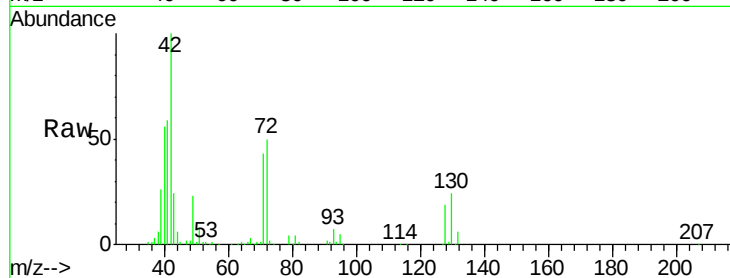
Tot Ion: 42 Resp: 297746

Ion Ratio Lower Upper

42 100

72 46.2 37.8 56.6

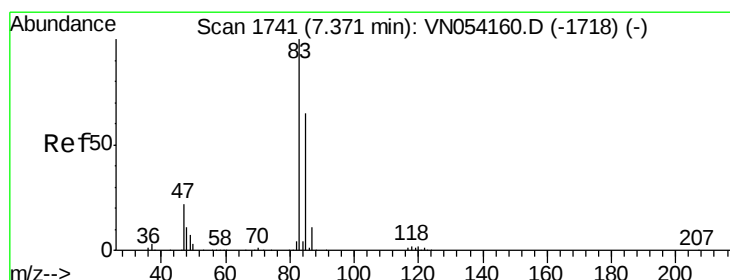
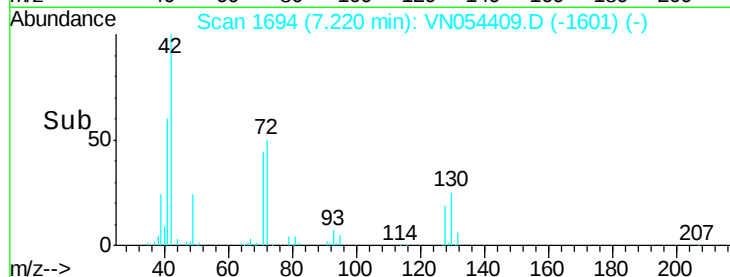
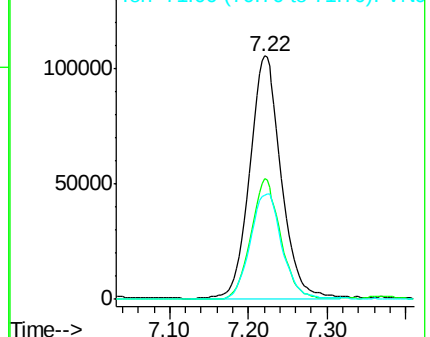
71 43.9 36.2 54.2



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: 22.052 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054409.D

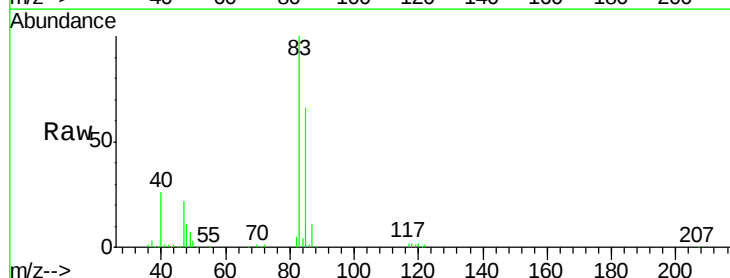
Acq: 18 Mar 2019 23:06

Tgt Ion: 83 Resp: 466328

Ion Ratio Lower Upper

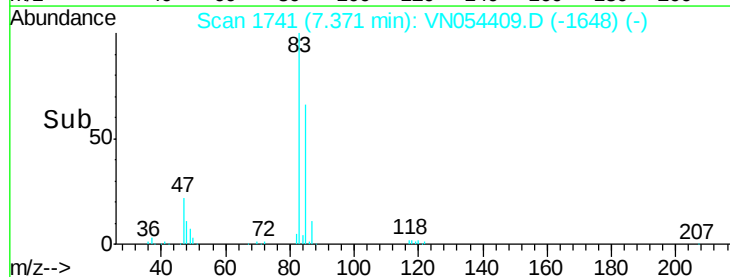
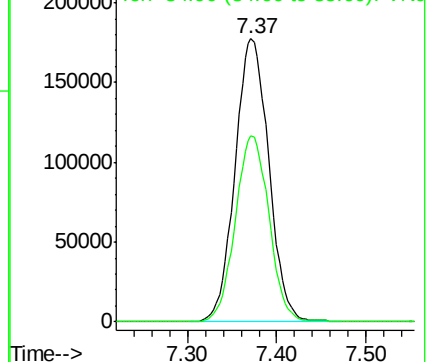
83 100

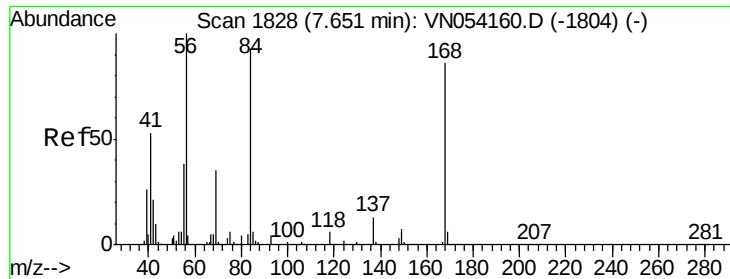
85 65.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.423 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

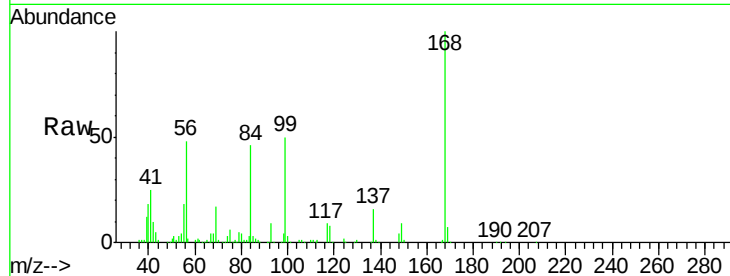
Tot Ion: 56 Resp: 382211

Ion Ratio Lower Upper

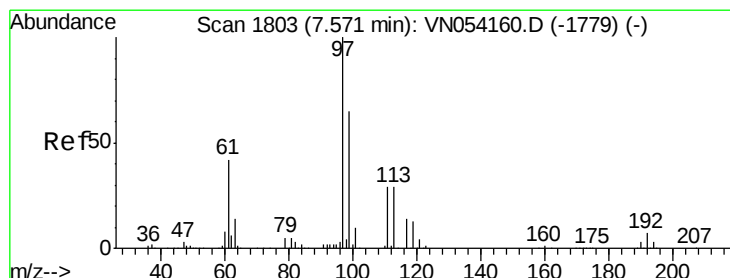
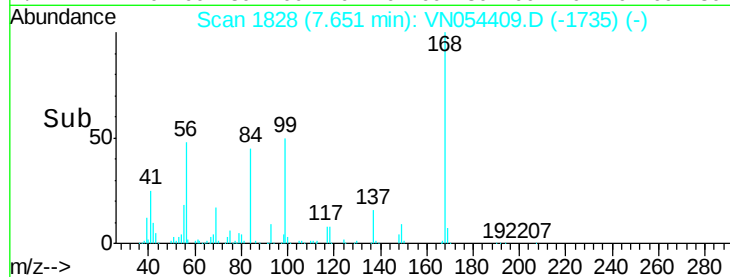
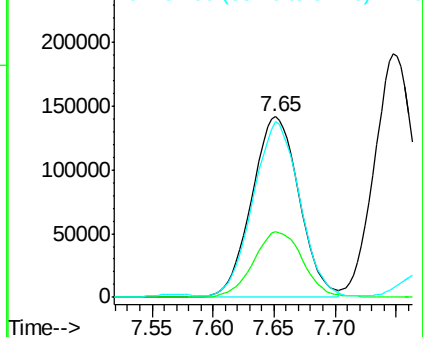
56 100

69 36.6 27.8 41.6

84 96.0 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 20.294 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

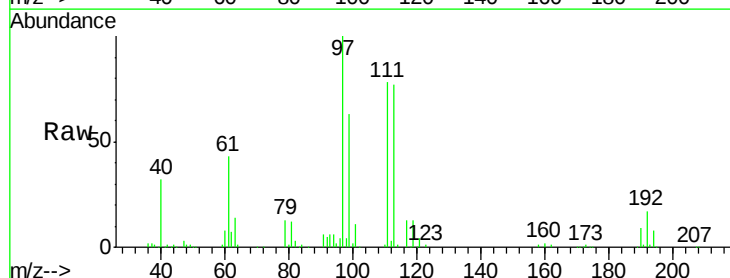
Tgt Ion: 97 Resp: 387581

Ion Ratio Lower Upper

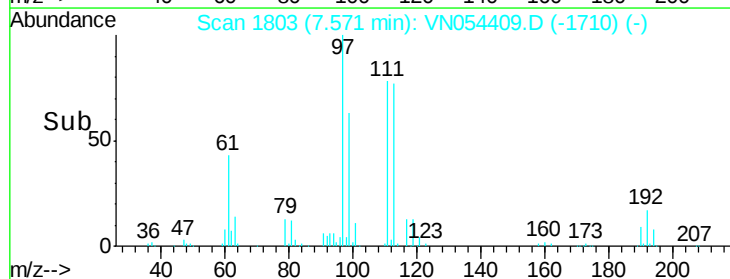
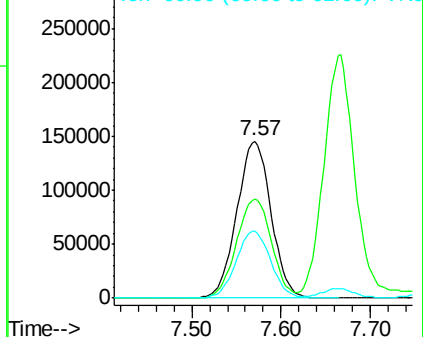
97 100

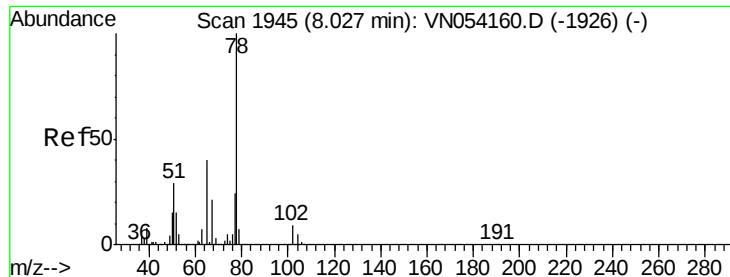
99 65.0 51.5 77.3

61 43.1 33.6 50.4



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

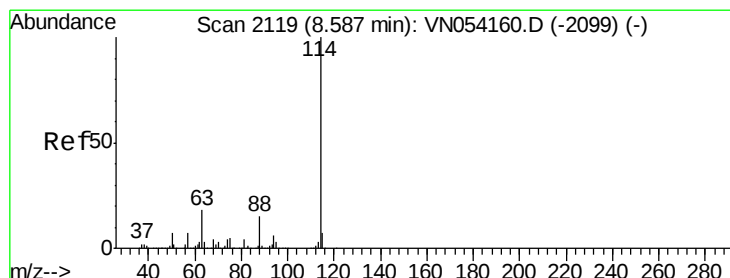
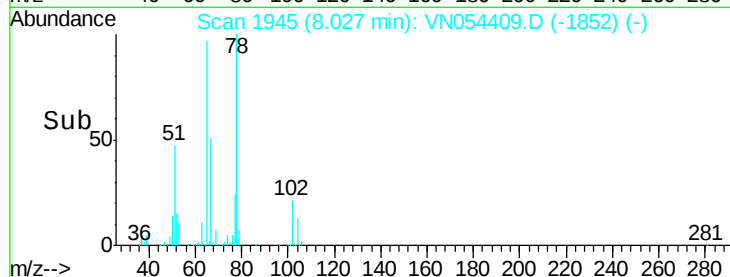
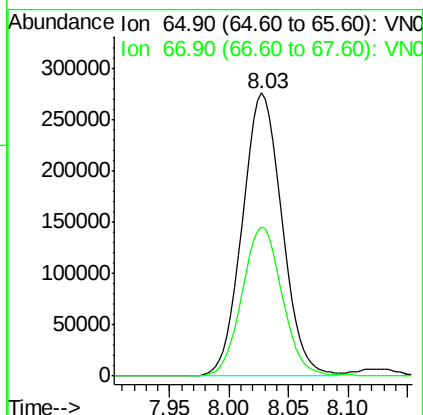
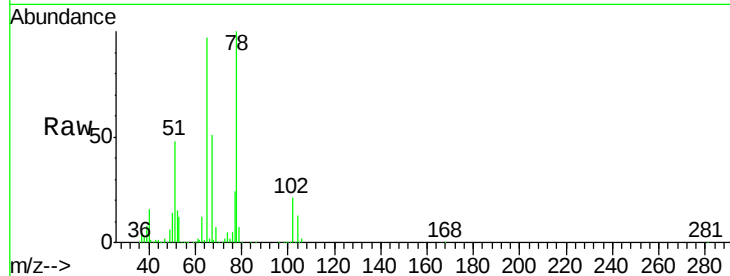




#33
 1,2-Dichloroethane-d4
 Concen: 50.777 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

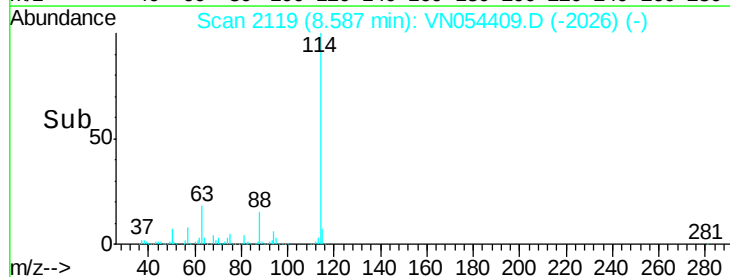
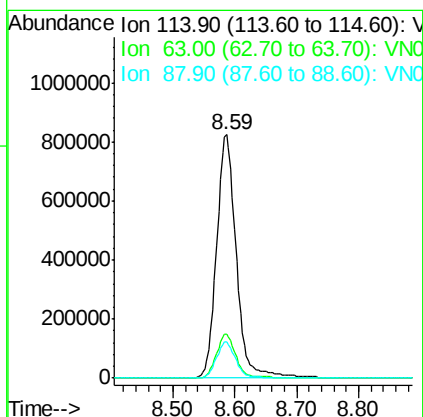
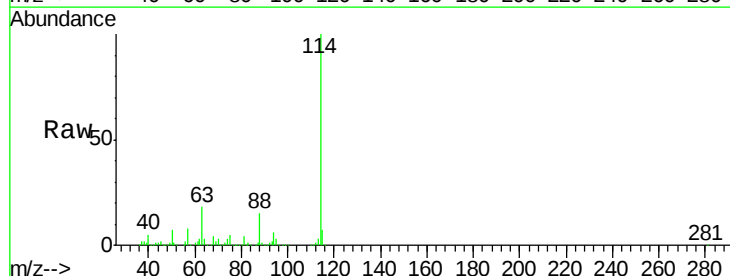
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

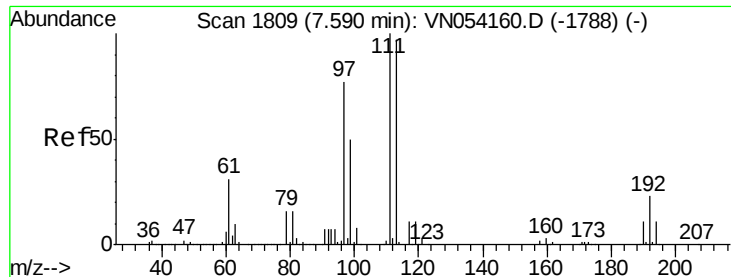
Tot Ion: 65 Resp: 639762
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 114 Resp: 1829653
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 14.9 0.0 30.2

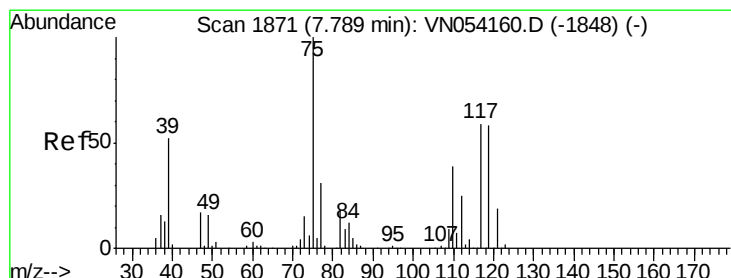
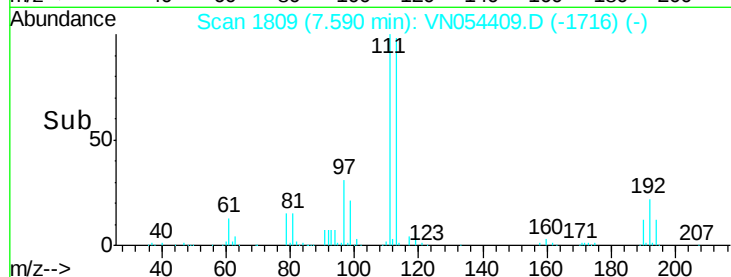
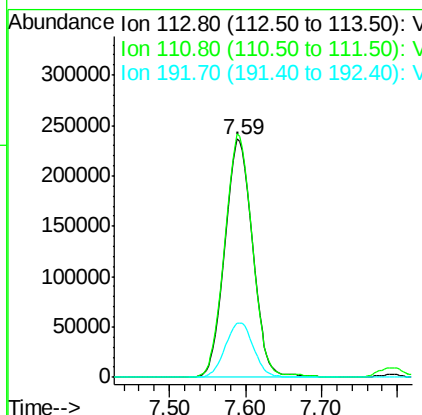
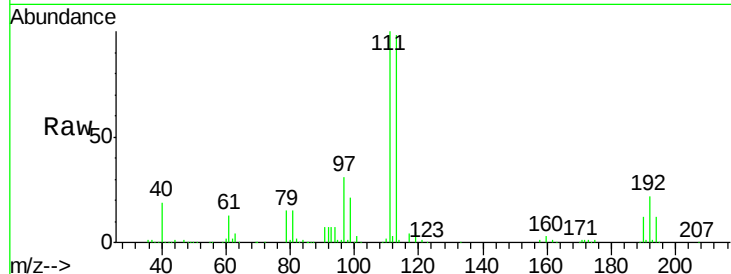




#35
 Dibromofluoromethane
 Concen: 51.162 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

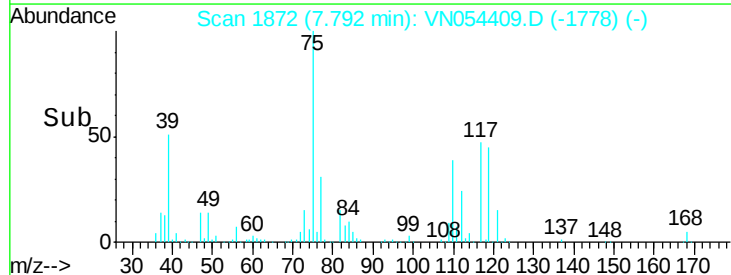
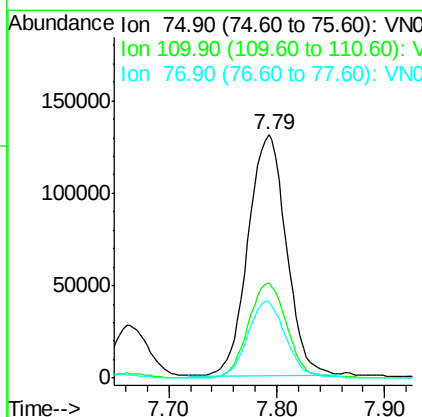
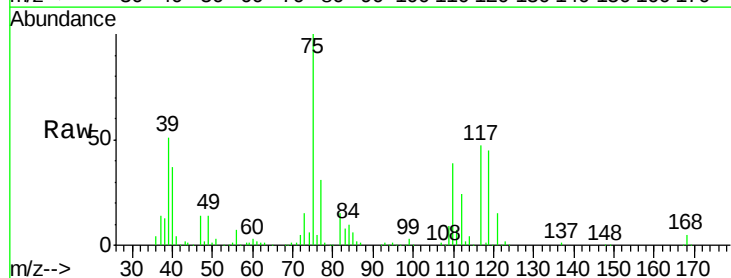
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

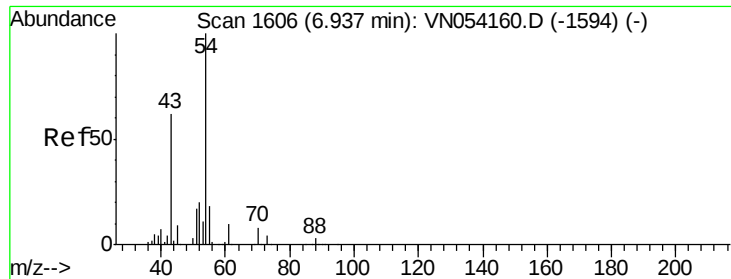
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	23.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.114 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.1	57.5
77	31.5	25.0	37.4

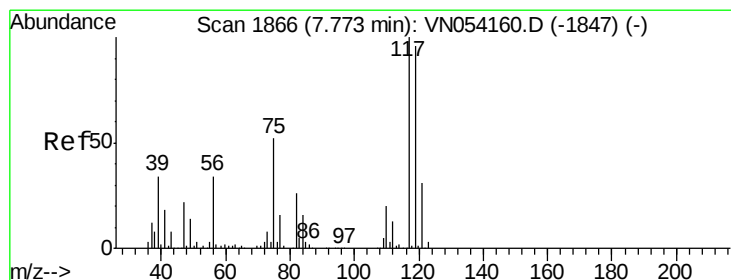
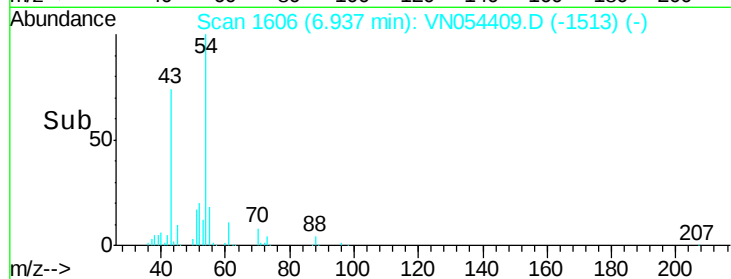
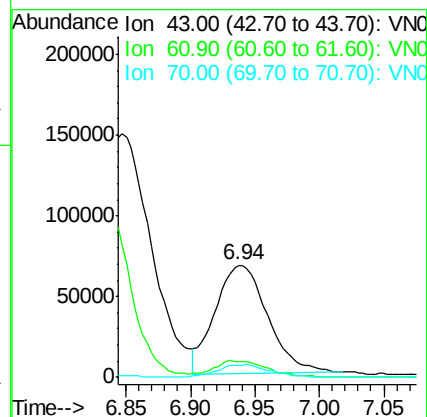
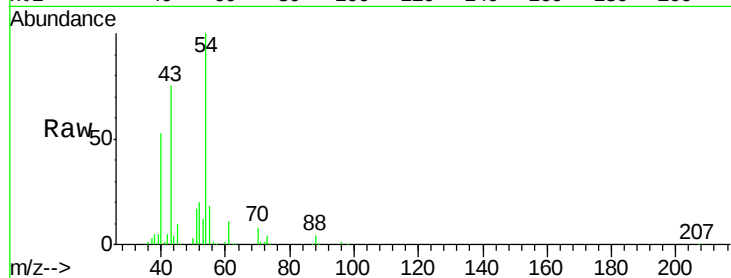




#37
Ethyl Acetate
Concen: 19.736 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

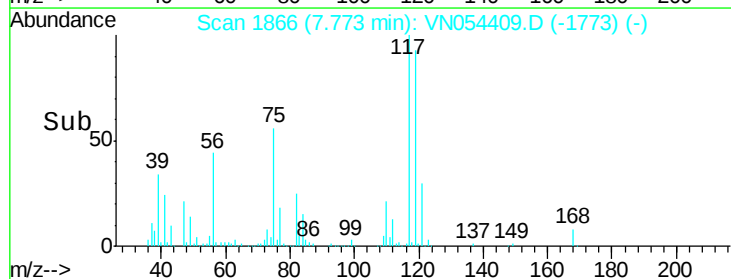
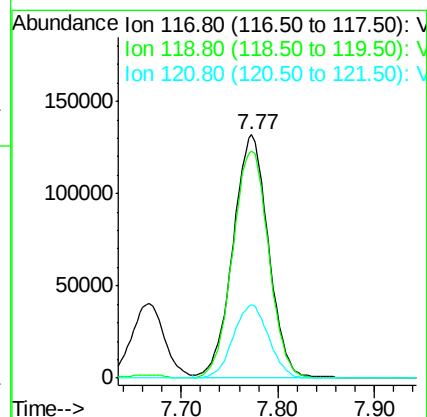
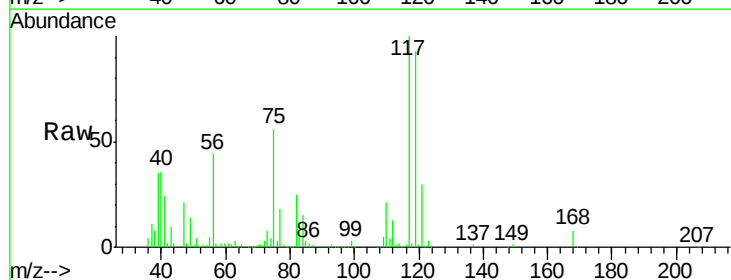
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

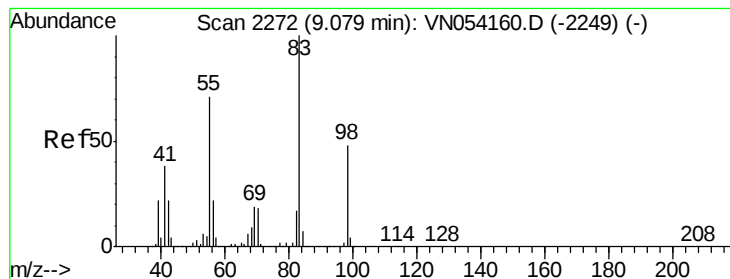
Tot Ion: 43 Resp: 191073
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 12.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.959 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 117 Resp: 334994
Ion Ratio Lower Upper
117 100
119 93.6 76.3 114.5
121 30.5 24.6 36.8





#39

Methvlcvclohexane

Concen: 17.547 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

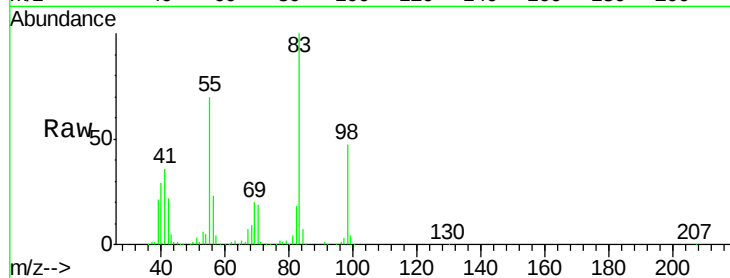
Tot Ion: 83 Resp: 363773

Ion Ratio Lower Upper

83 100

55 69.6 56.6 84.8

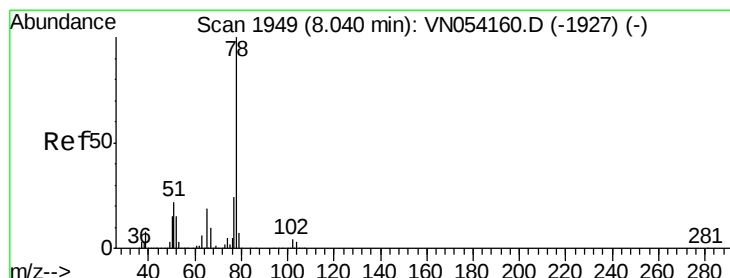
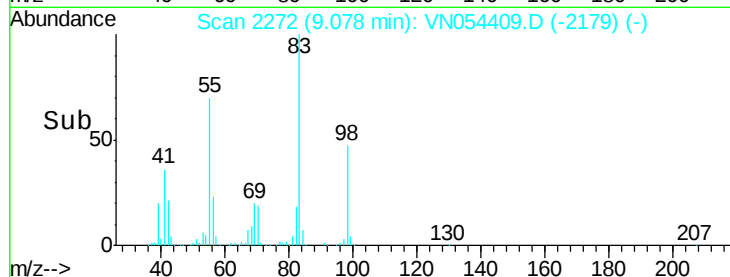
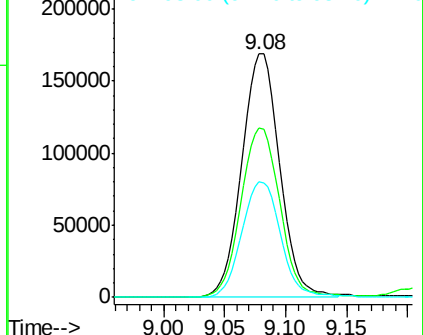
98 47.3 38.4 57.6



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: 21.503 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054409.D

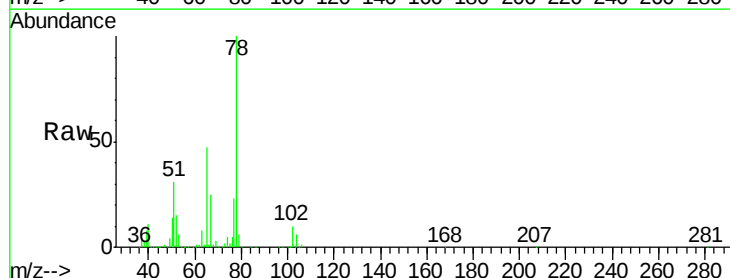
Acq: 18 Mar 2019 23:06

Tgt Ion: 78 Resp: 1036811

Ion Ratio Lower Upper

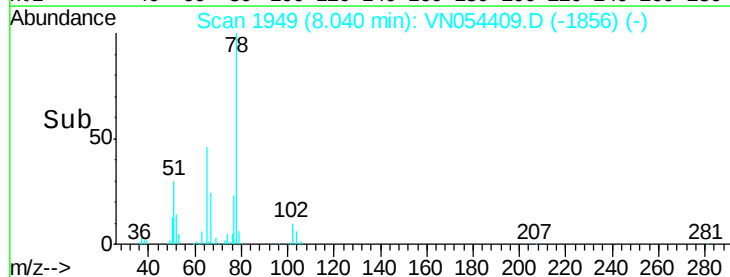
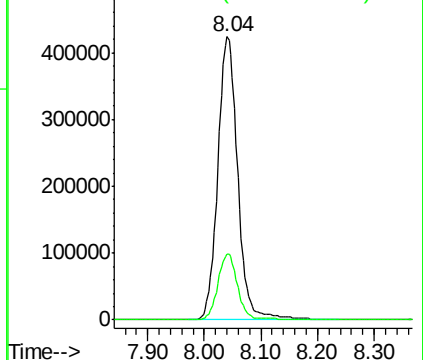
78 100

77 23.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 18.940 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 41 Resp: 104698

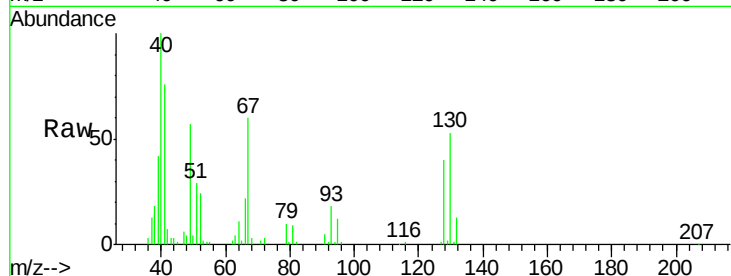
Ion Ratio Lower Upper

41 100

39 54.6 46.8 70.2

67 92.3 67.0 100.4

52 39.0 26.5 39.7

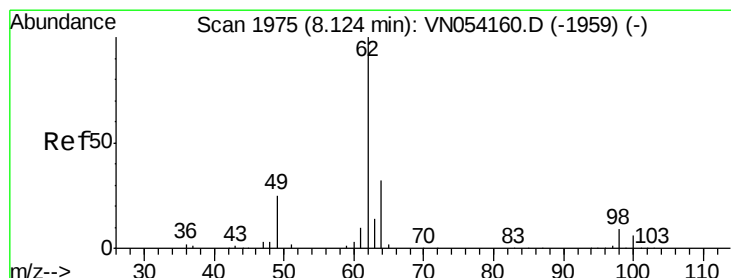
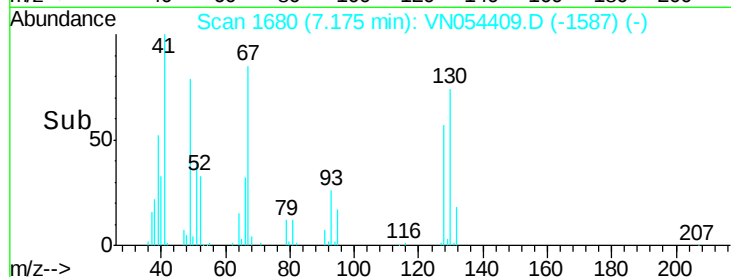
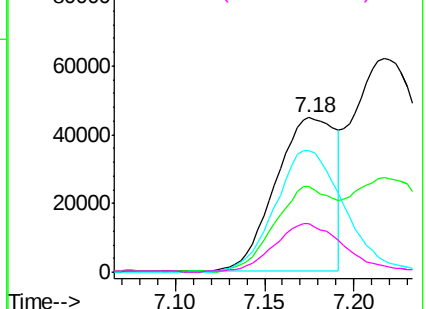


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.764 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054409.D

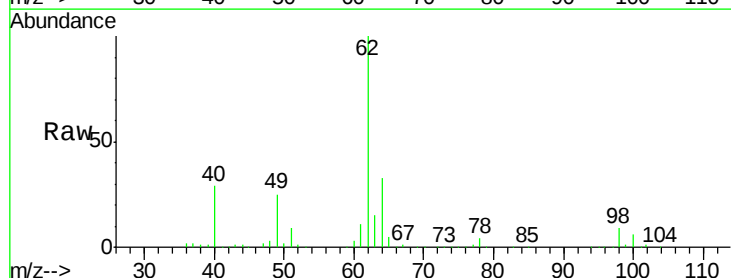
Acq: 18 Mar 2019 23:06

Tgt Ion: 62 Resp: 338014

Ion Ratio Lower Upper

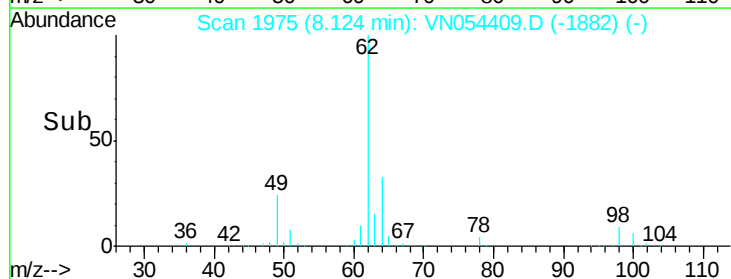
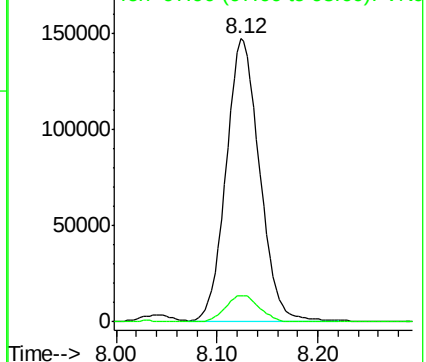
62 100

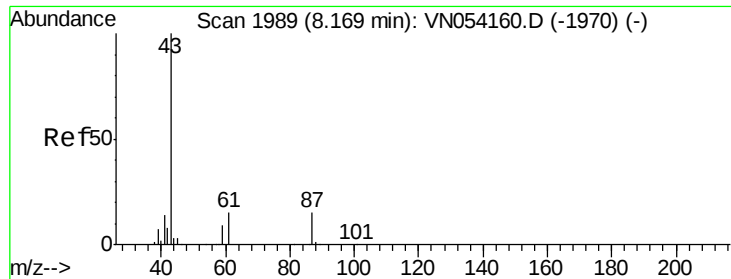
98 9.6 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.572 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

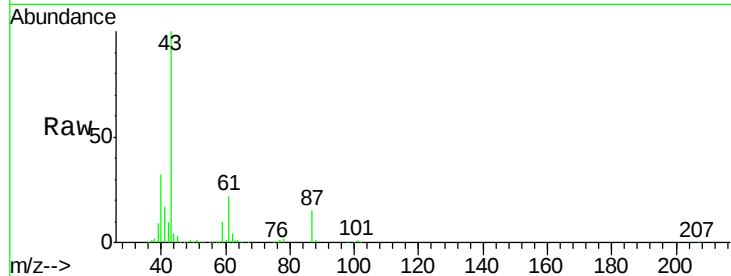
Tot Ion: 43 Resp: 315608

Ion Ratio Lower Upper

43 100

61 21.1 15.8 23.8

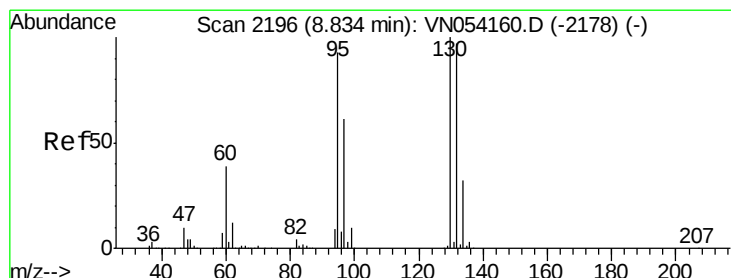
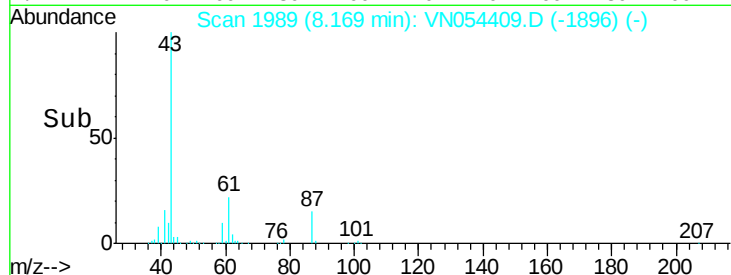
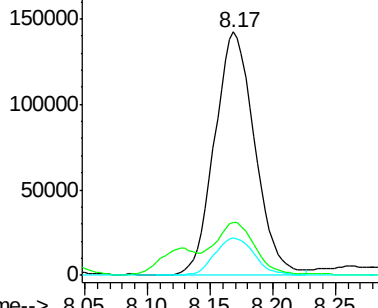
87 15.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 20.301 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054409.D

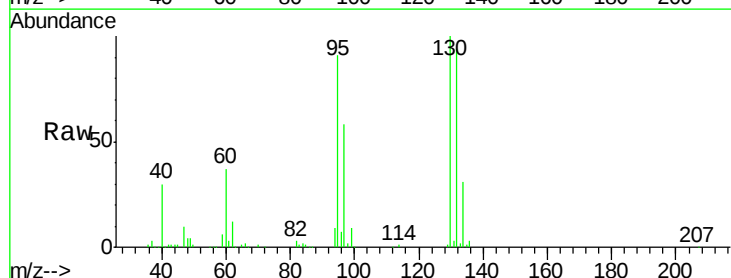
Acq: 18 Mar 2019 23:06

Tgt Ion: 130 Resp: 304072

Ion Ratio Lower Upper

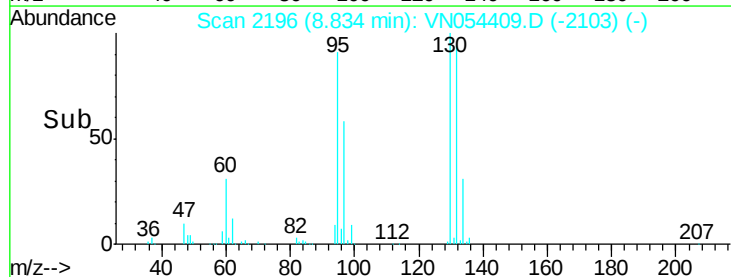
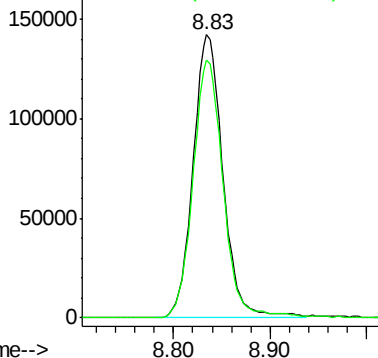
130 100

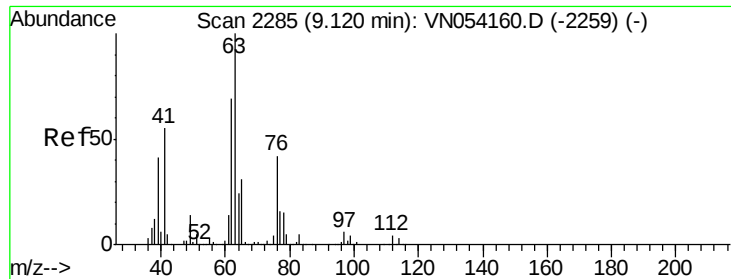
95 91.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 22.090 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

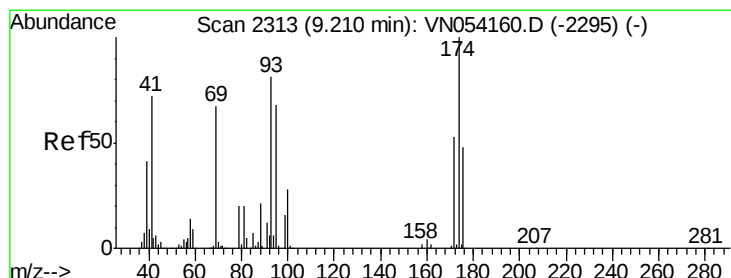
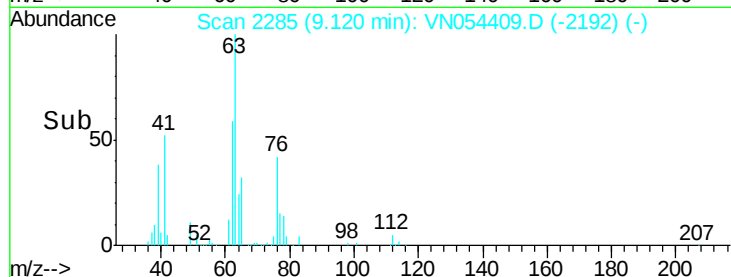
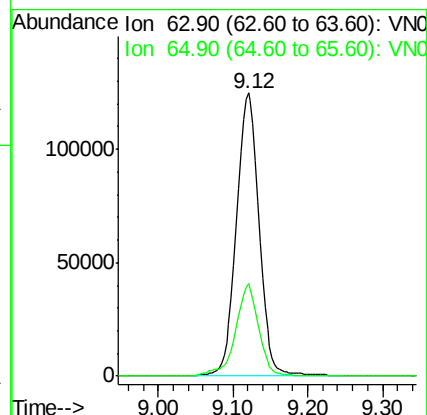
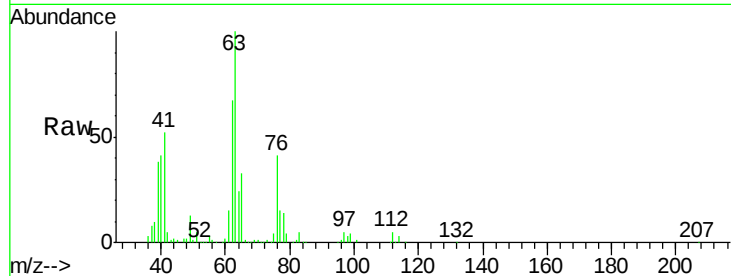
VN0318WBS02

Tot Ion: 63 Resp: 264481

Ion Ratio Lower Upper

63 100

65 32.6 25.0 37.6



#46

Dibromomethane

Concen: 21.163 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

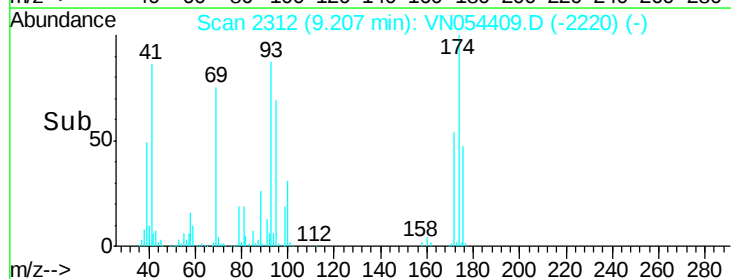
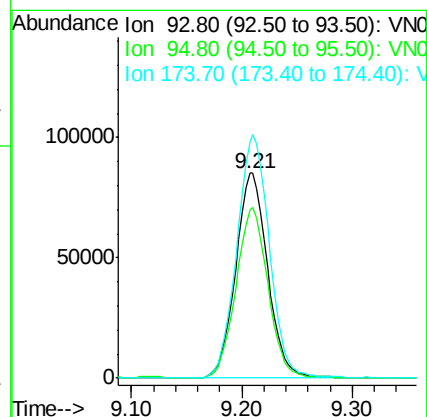
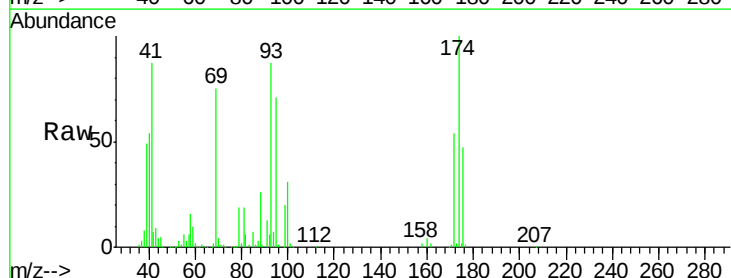
Tgt Ion: 93 Resp: 171198

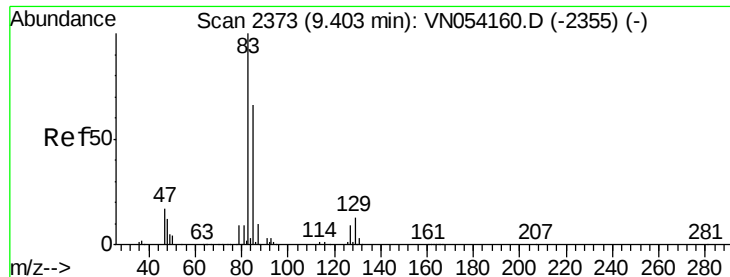
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 121.0 98.5 147.7





#47

Bromodichloromethane

Concen: 20.283 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

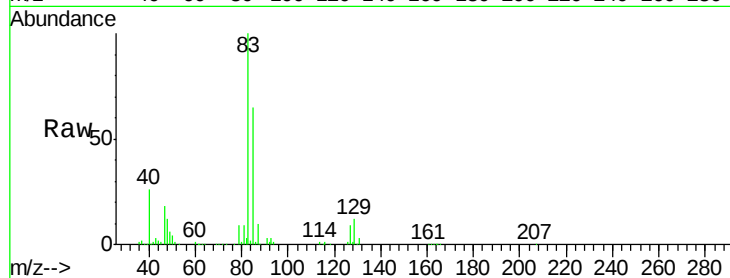
Tot Ion: 83 Resp: 328933

Ion Ratio Lower Upper

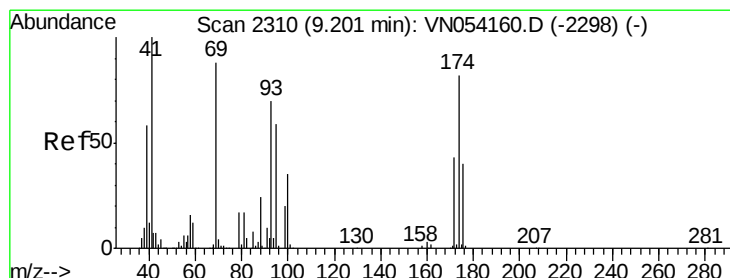
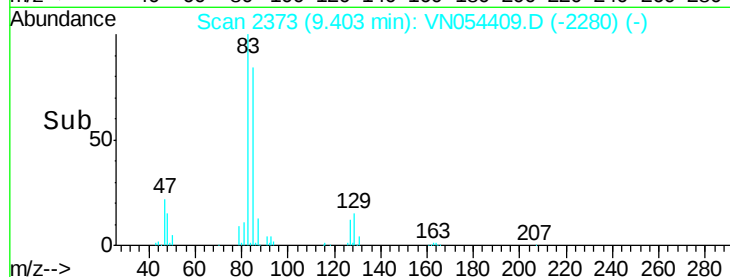
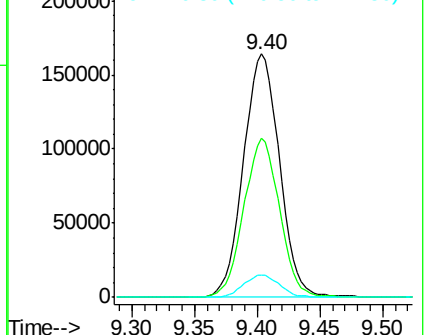
83 100

85 65.3 52.8 79.2

127 9.3 7.4 11.2



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



#48

Methyl methacrylate

Concen: 20.355 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

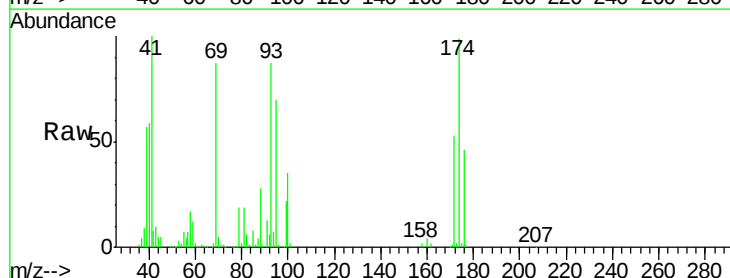
Tgt Ion: 41 Resp: 175543

Ion Ratio Lower Upper

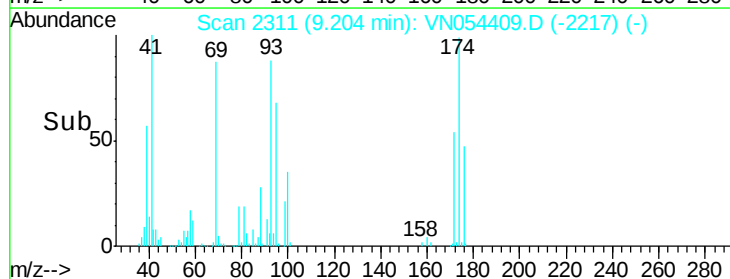
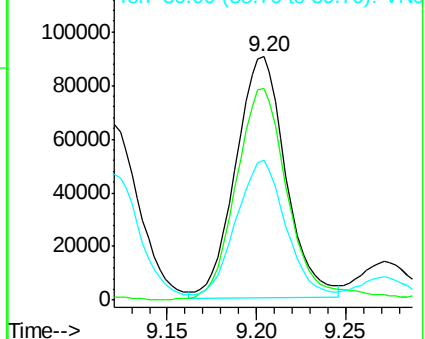
41 100

69 90.6 72.6 108.8

39 57.7 47.5 71.3



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

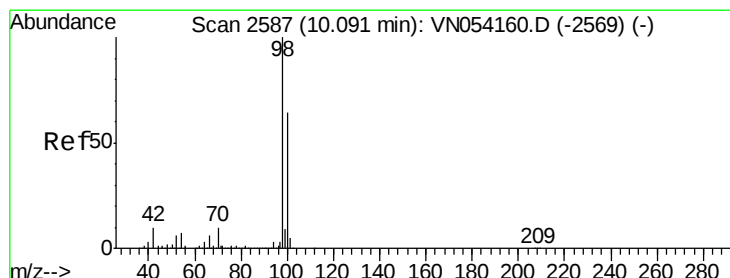
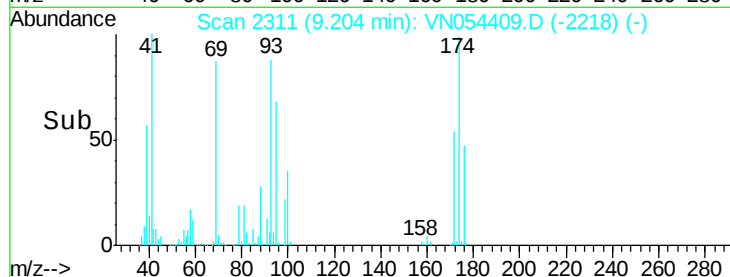
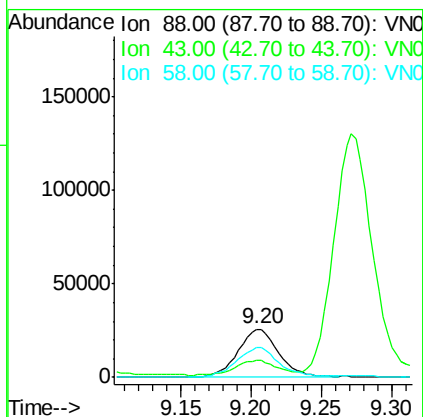
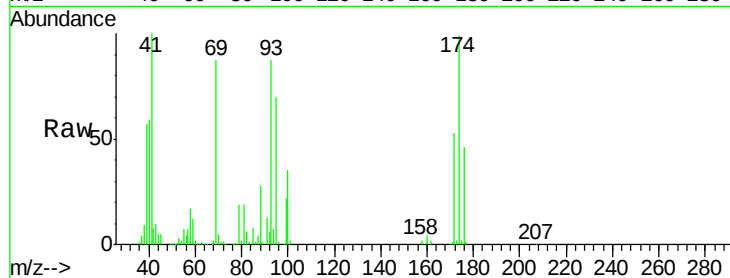




#49
1,4-Dioxane
Concen: 427.548 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

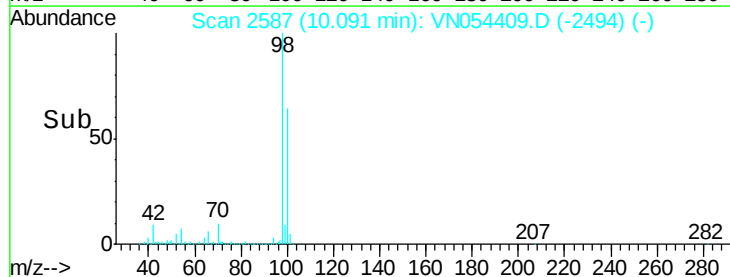
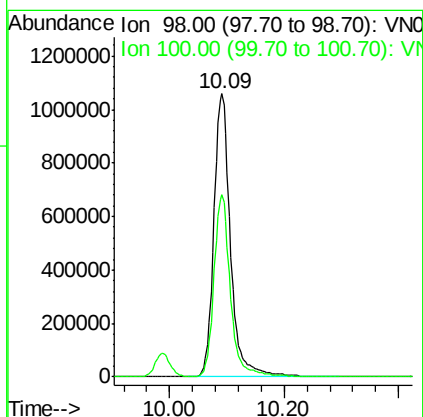
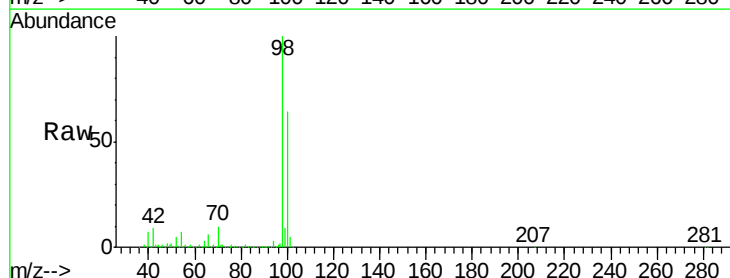
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

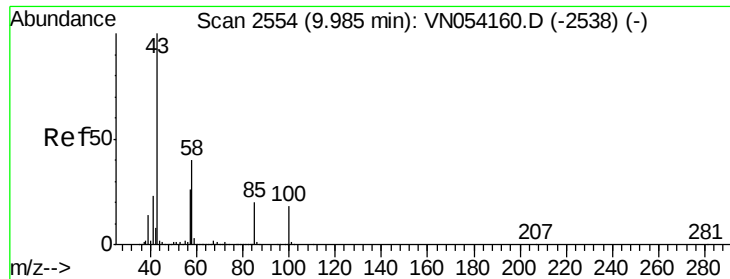
Tot Ion: 88 Resp: 52155
Ion Ratio Lower Upper
88 100
43 29.7 24.1 36.1
58 63.9 50.8 76.2



#50
Toluene-d8
Concen: 49.290 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 98 Resp: 2148128
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 106.323 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

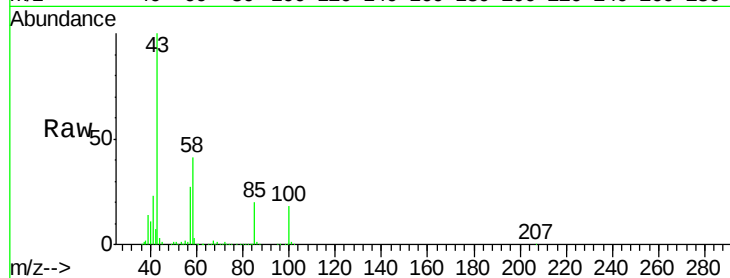
VN0318WBS02

Tot Ion: 43 Resp: 956181

Ion Ratio Lower Upper

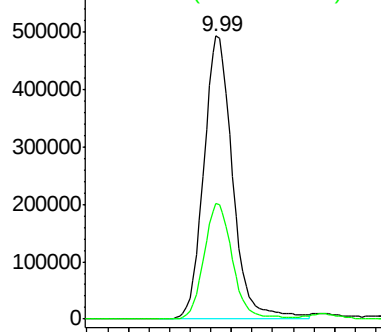
43 100

58 40.6 31.8 47.6

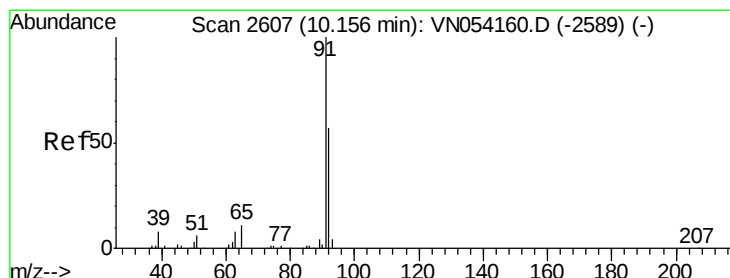
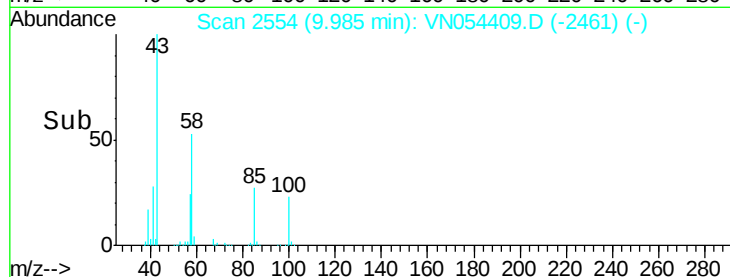


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.760 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054409.D

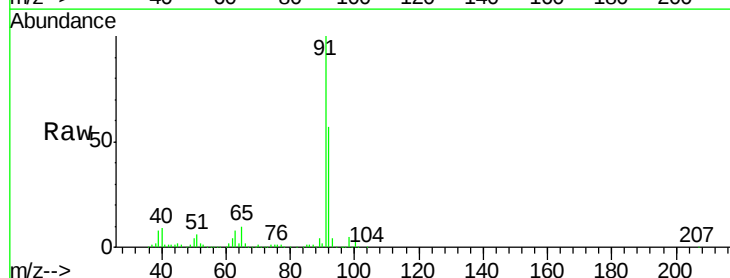
Acq: 18 Mar 2019 23:06

Tgt Ion: 92 Resp: 634676

Ion Ratio Lower Upper

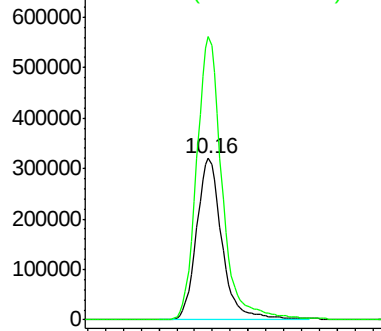
92 100

91 176.6 140.7 211.1

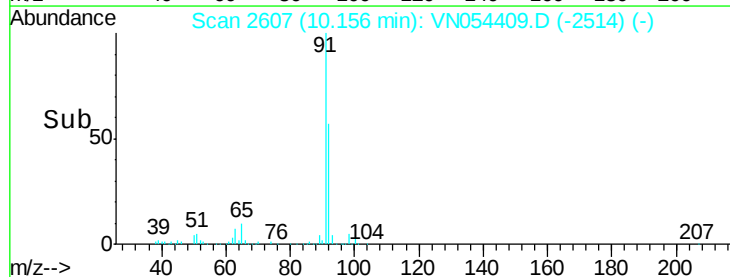


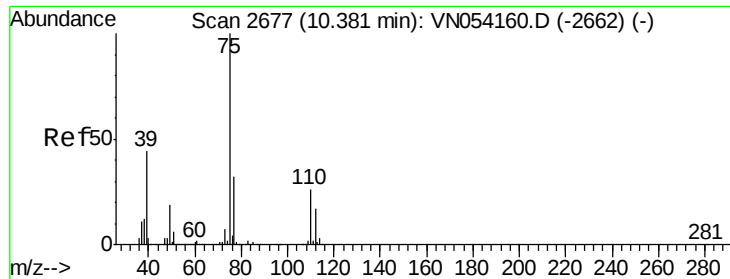
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 16.363 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

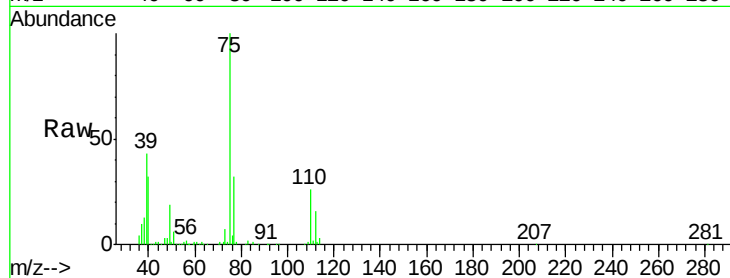
VN0318WBS02

Tot Ion: 75 Resp: 277694

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

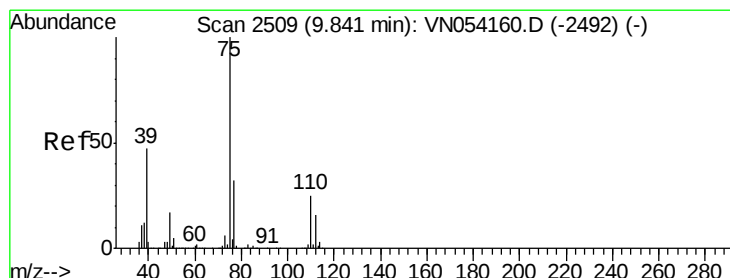
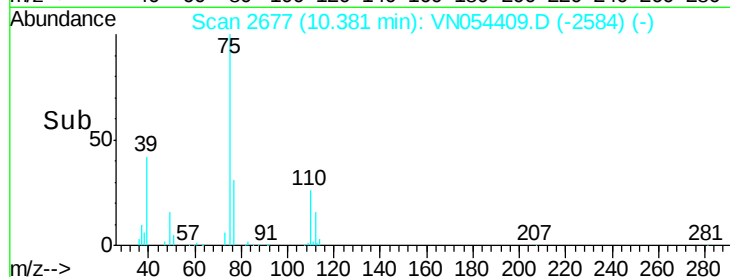
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.662 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

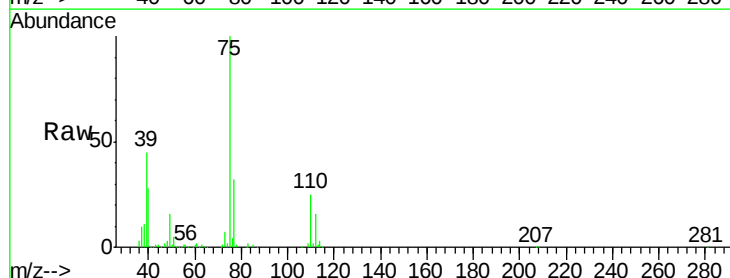
Tgt Ion: 75 Resp: 352669

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 44.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

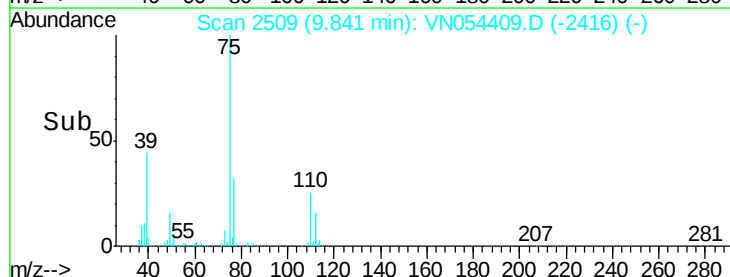
150000

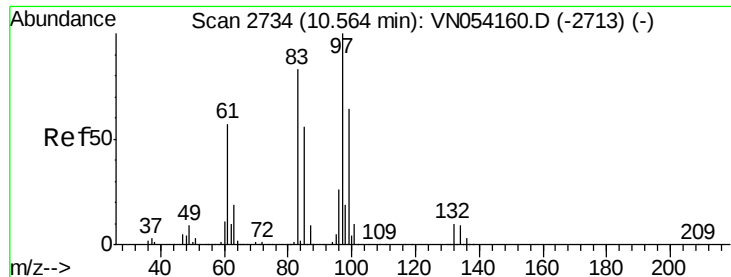
100000

50000

0

Time-->

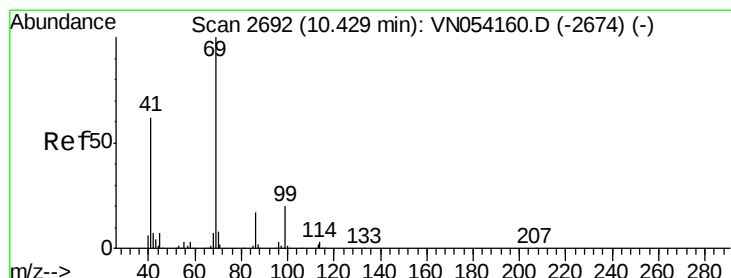
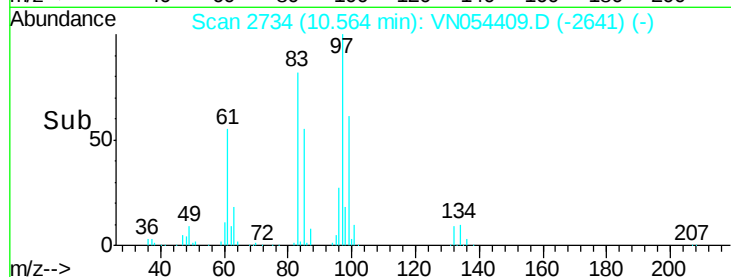
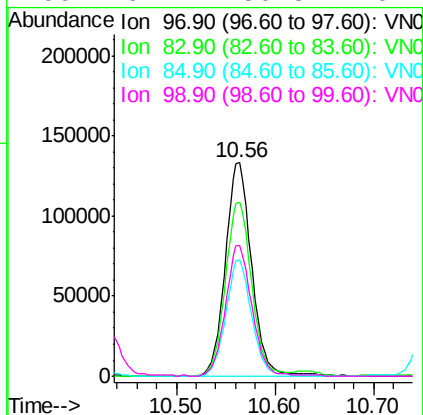
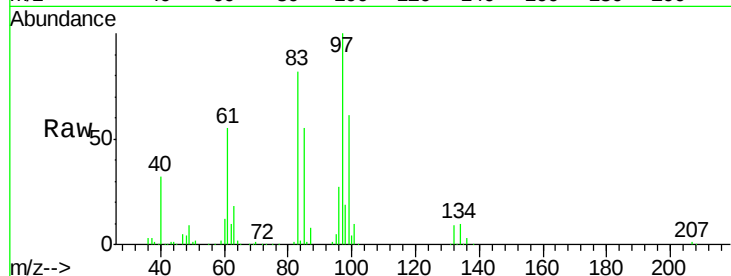




#55
 1,1,2-Trichloroethane
 Concen: 22.333 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

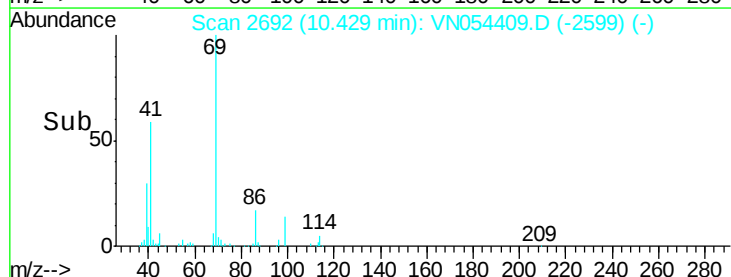
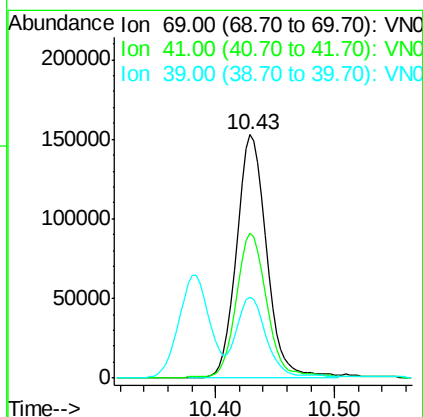
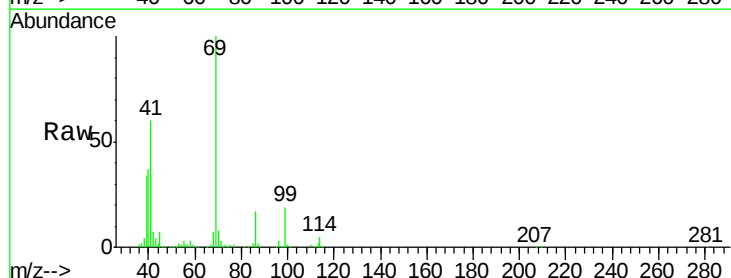
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

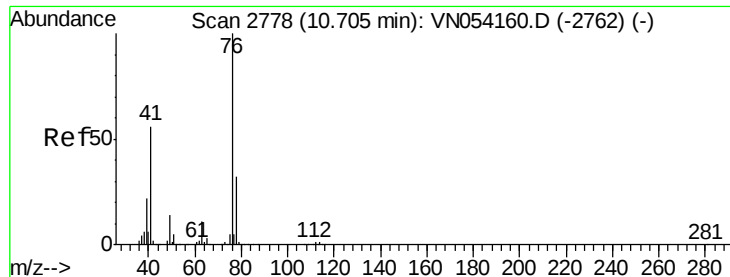
Tot Ion:	97	Resp:	249310
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.6	100.0
85	54.5	44.4	66.6
99	61.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.190 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion:	69	Resp:	268749
Ion	Ratio	Lower	Upper
69	100		
41	59.8	49.4	74.2
39	33.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.638 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

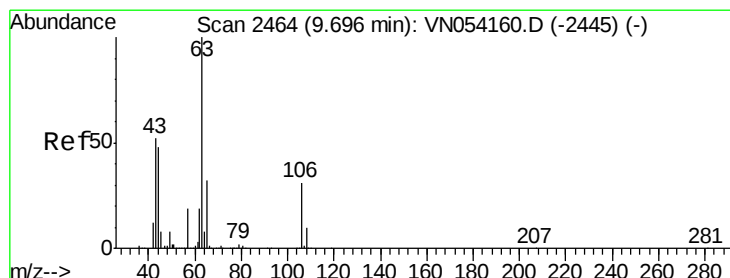
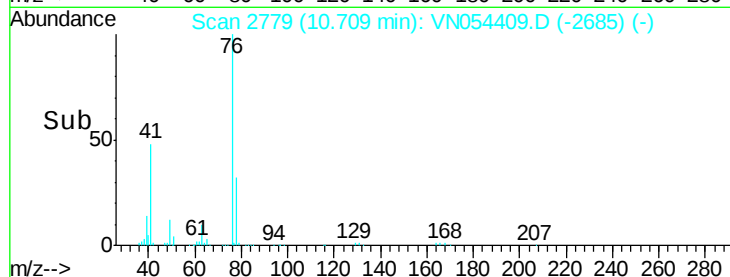
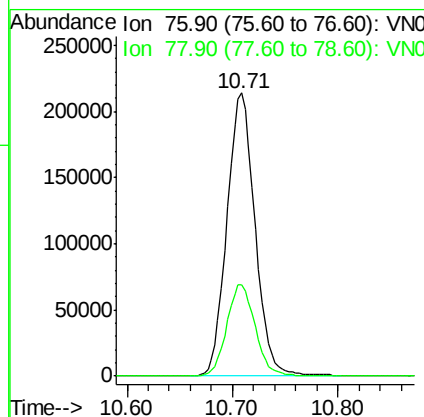
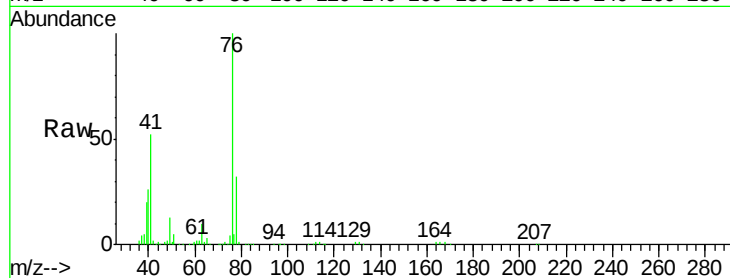
VN0318WBS02

Tot Ion: 76 Resp: 394965

Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 98.459 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054409.D

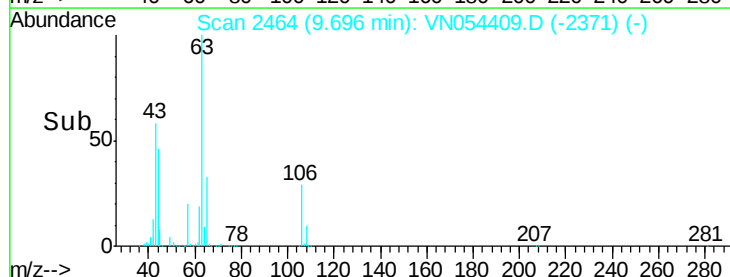
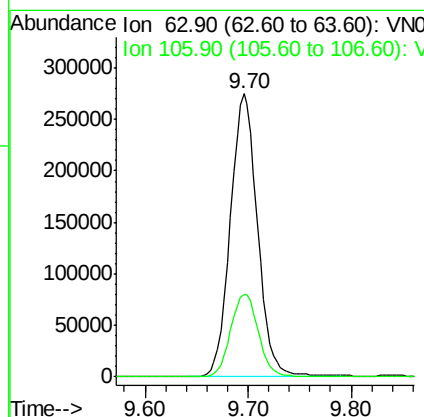
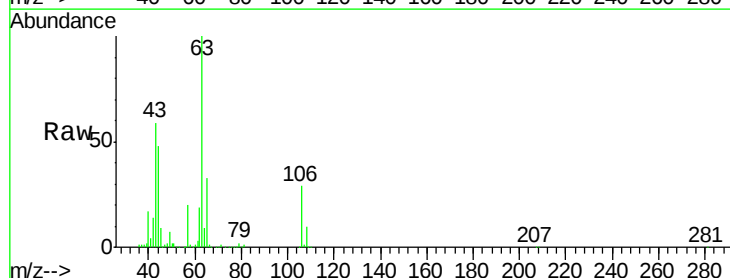
Acq: 18 Mar 2019 23:06

Tgt Ion: 63 Resp: 505421

Ion Ratio Lower Upper

63 100

106 29.8 24.4 36.6

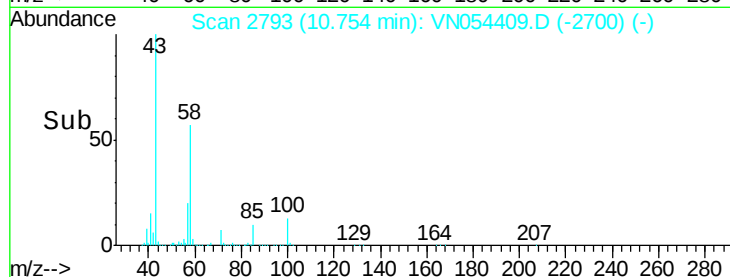
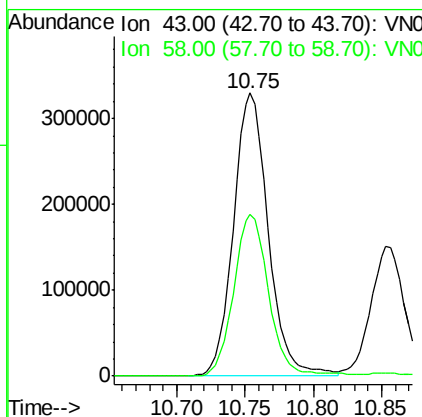
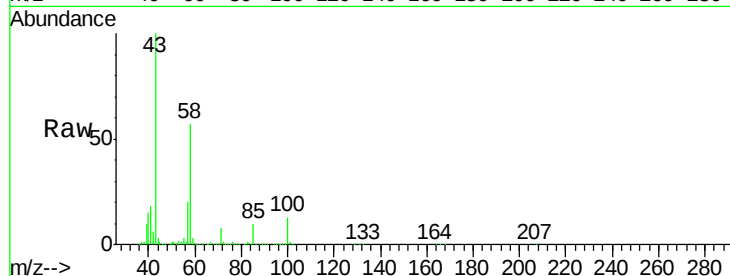




#59
2-Hexanone
Concen: 96.792 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

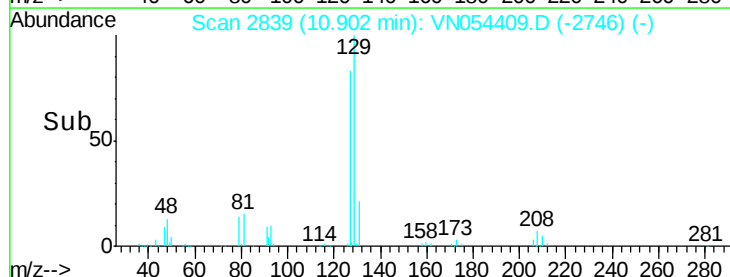
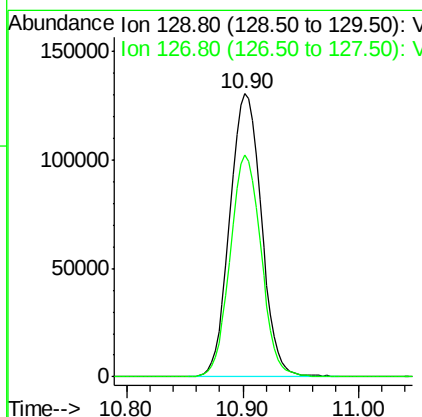
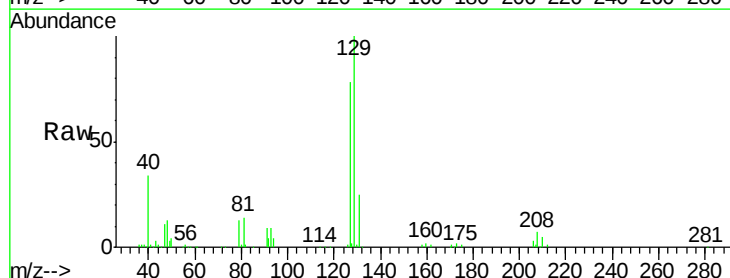
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 43 Resp: 579209
Ion Ratio Lower Upper
43 100
58 58.0 28.0 83.9



#60
Dibromochloromethane
Concen: 19.650 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 129 Resp: 246904
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

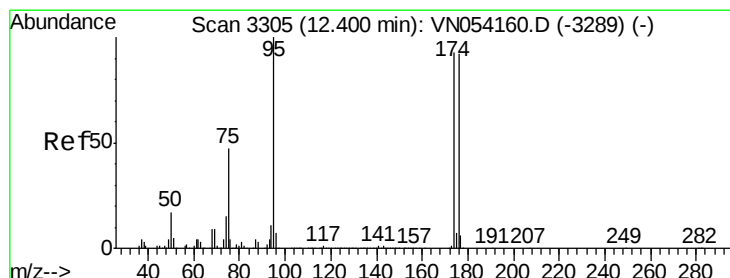
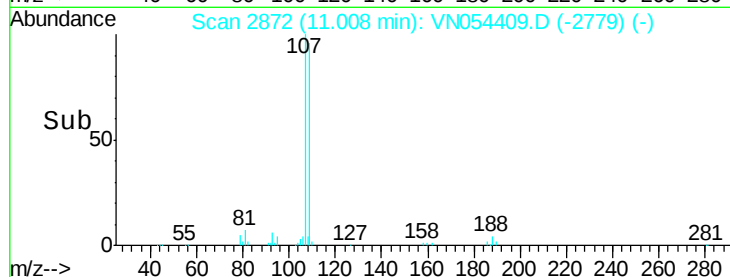
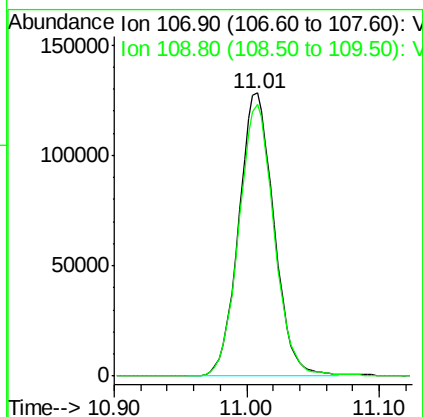
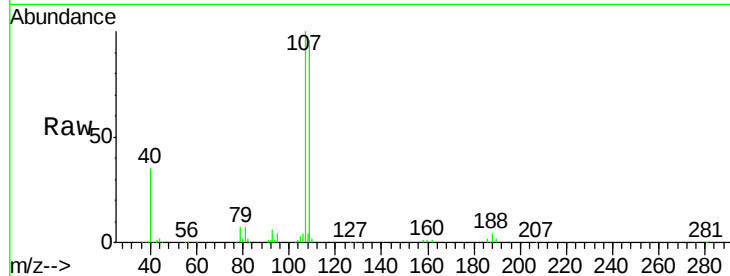




#61
 1,2-Dibromoethane
 Concen: 20.864 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

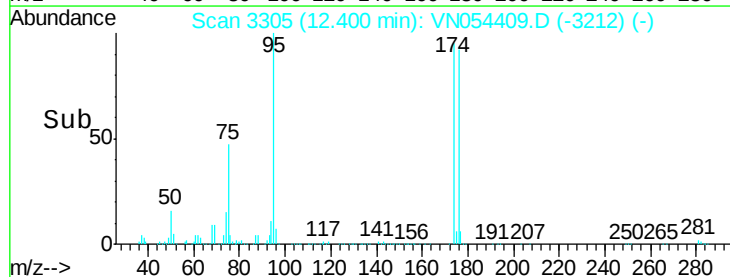
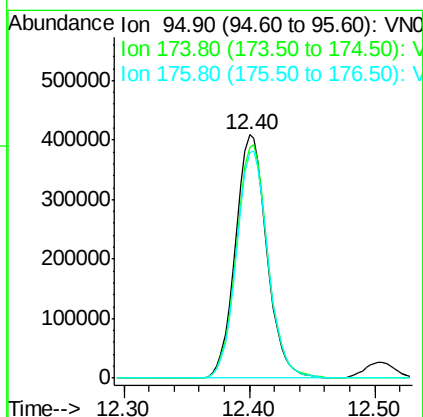
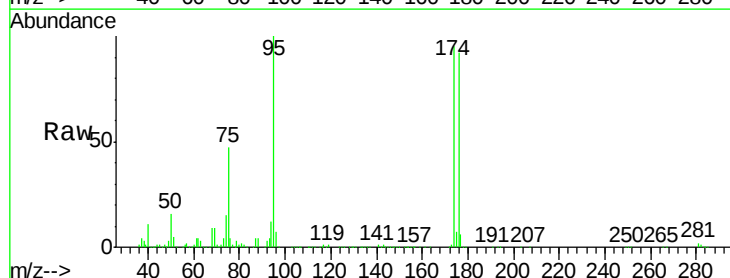
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

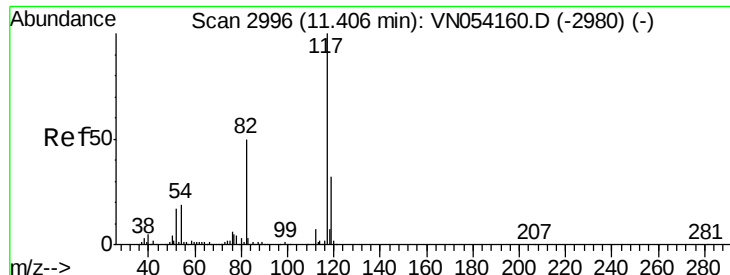
Tot Ion:107 Resp: 236682
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.531 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 95 Resp: 709560
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 191.0
 176 93.9 0.0 187.4

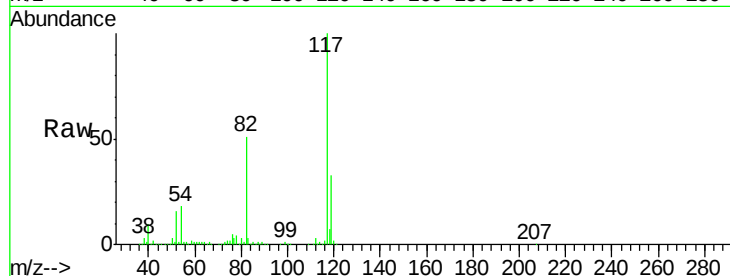




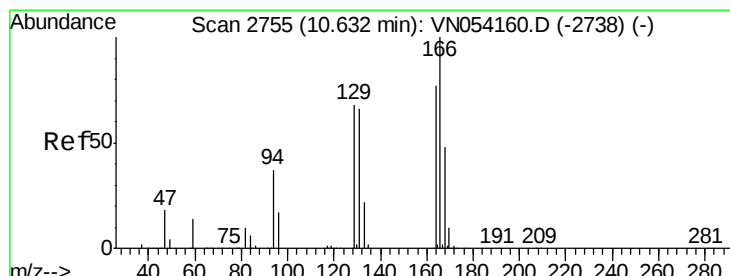
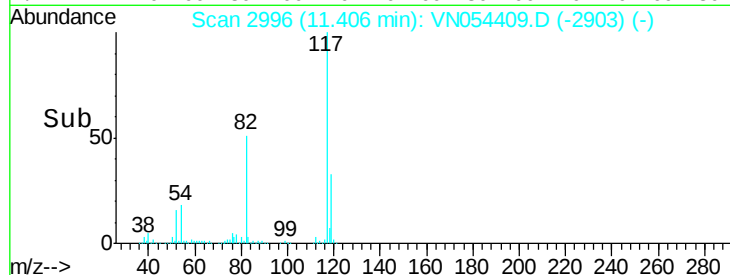
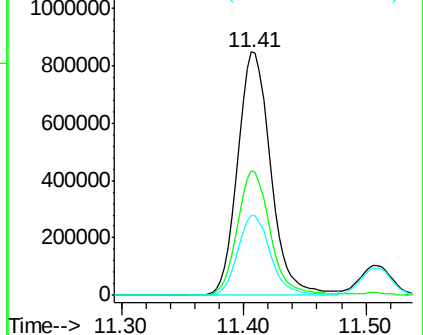
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS02

Tot Ion:117 Resp: 1592521
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.7 25.8 38.6

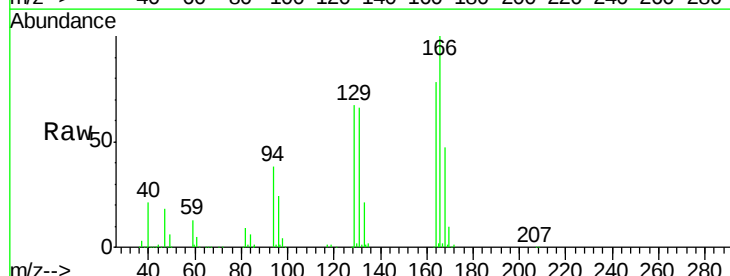


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

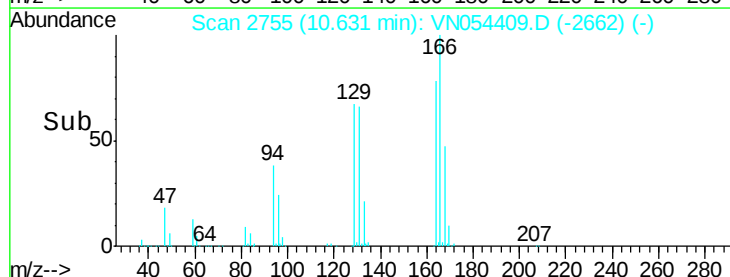
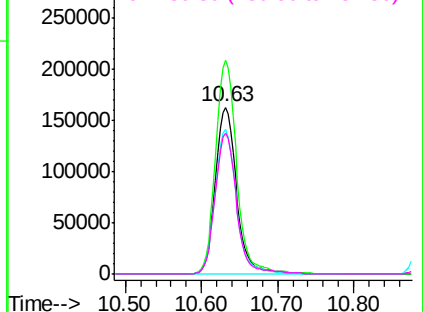


#64
Tetrachloroethene
Concen: 20.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion:164 Resp: 315041
Ion Ratio Lower Upper
164 100
166 128.4 103.9 155.9
129 86.6 71.1 106.7
131 85.0 68.2 102.4



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





#65

Chlorobenzene

Concen: 20.948 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

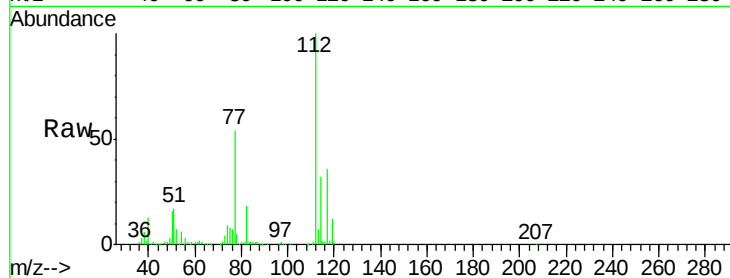
VN0318WBS02

Tot Ion:112 Resp: 732516

Ion Ratio Lower Upper

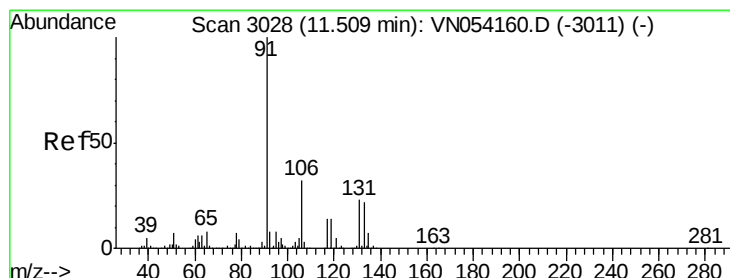
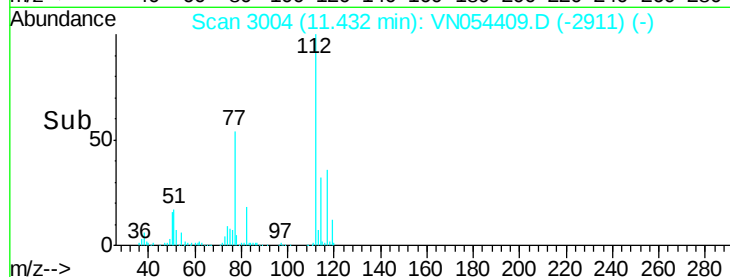
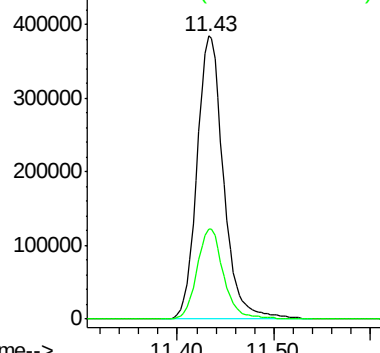
112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.746 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

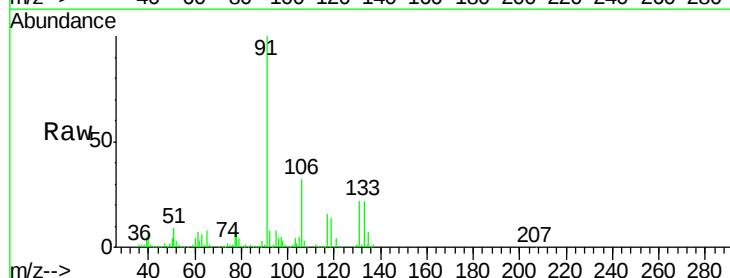
Tgt Ion:131 Resp: 263533

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

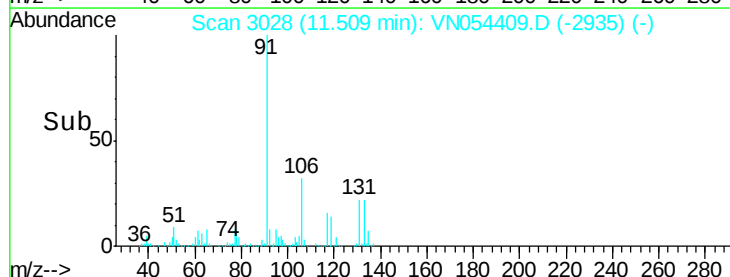
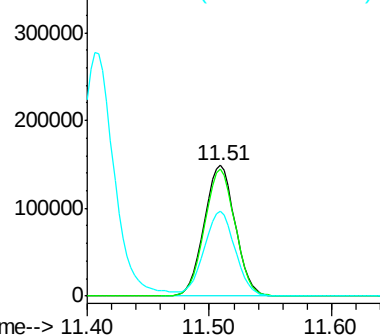
119 64.6 32.4 97.0

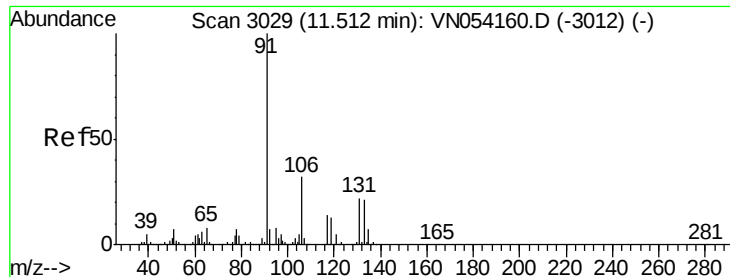


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.548 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

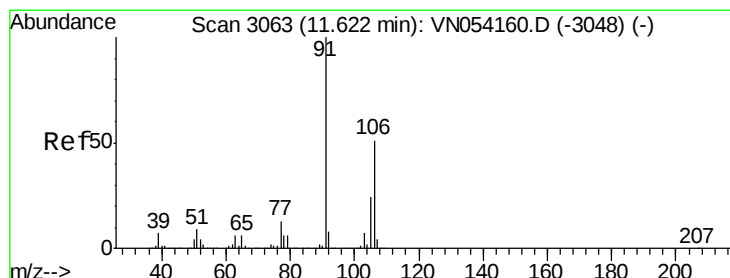
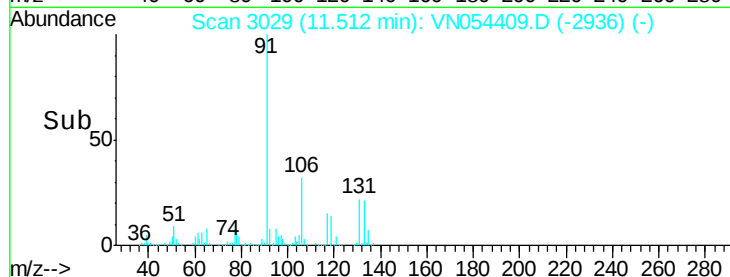
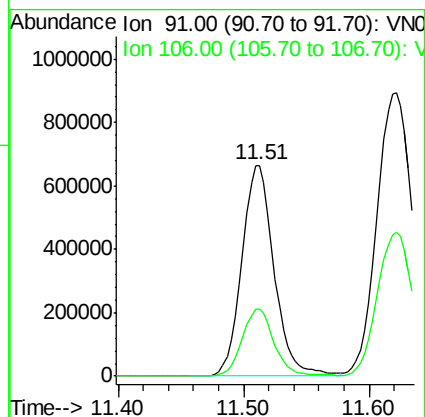
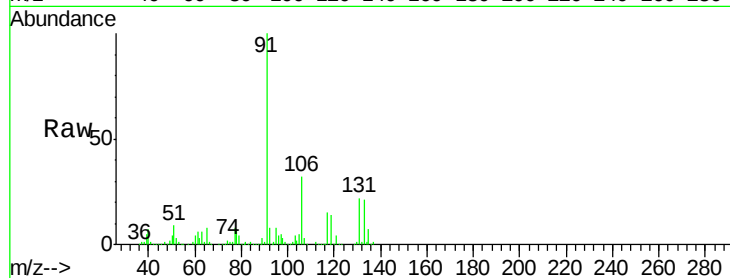
VN0318WBS02

Tot Ion: 91 Resp: 1191028

Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 41.154 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054409.D

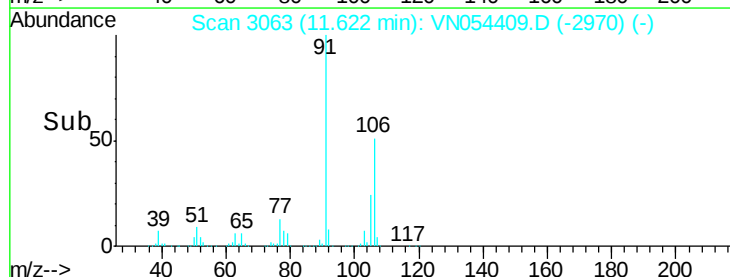
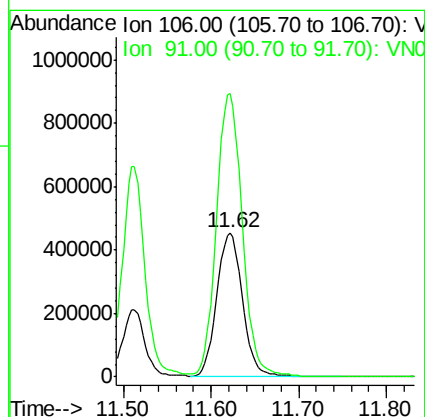
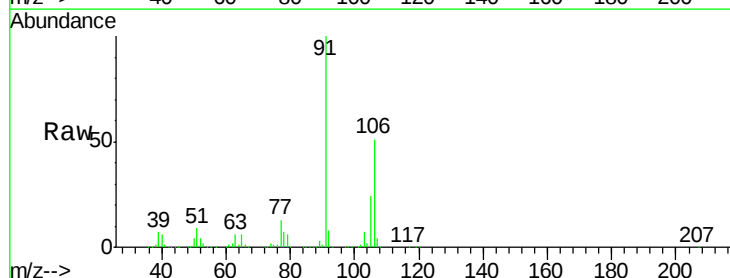
Acq: 18 Mar 2019 23:06

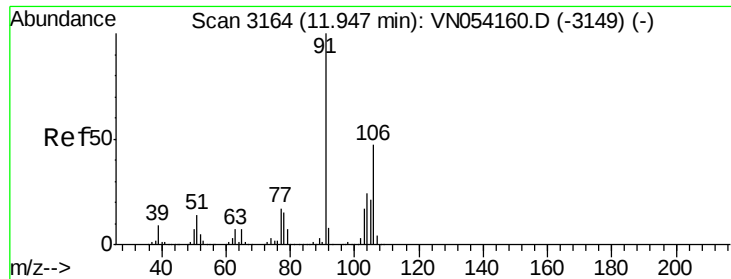
Tgt Ion: 106 Resp: 932350

Ion Ratio Lower Upper

106 100

91 197.4 159.4 239.2

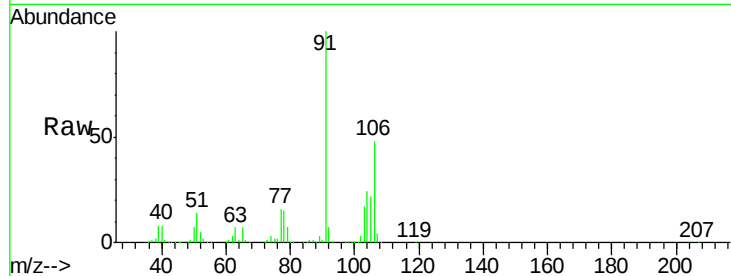




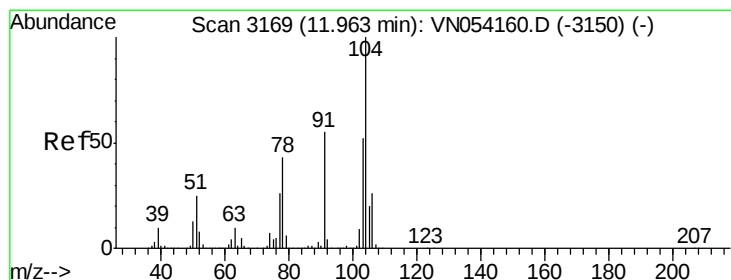
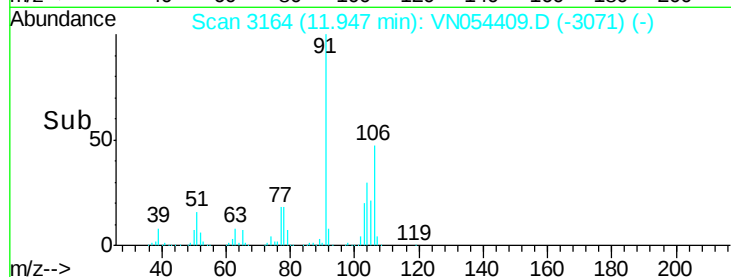
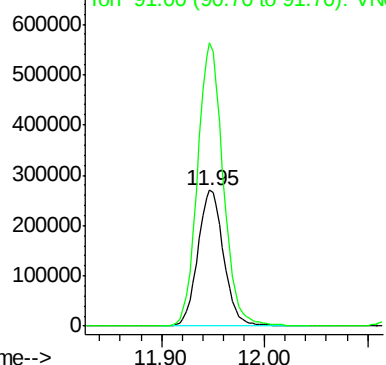
#69
o-Xylene
Concen: 21.369 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion:106 Resp: 471934
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1

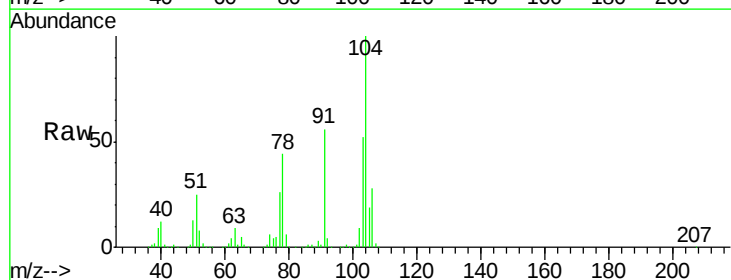


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

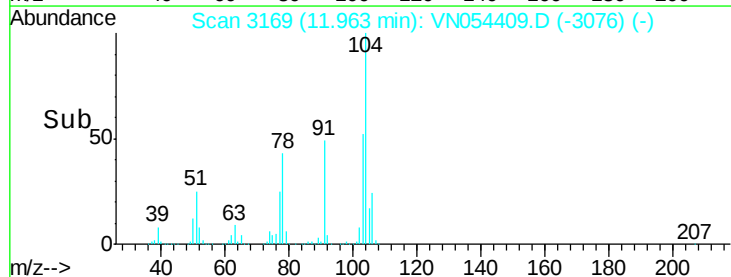
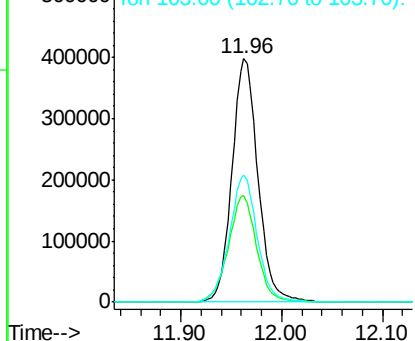


#70
Styrene
Concen: 20.630 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion:104 Resp: 714561
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 56.1 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.576 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

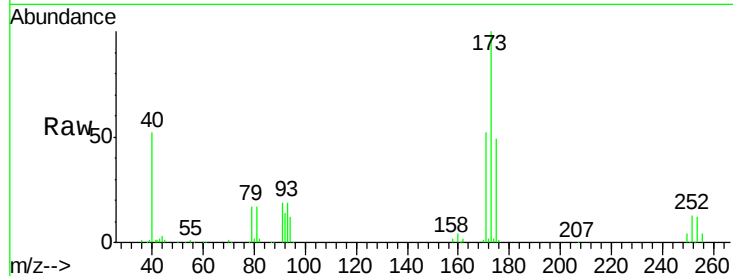
Tot Ion:173 Resp: 154703

Ion Ratio Lower Upper

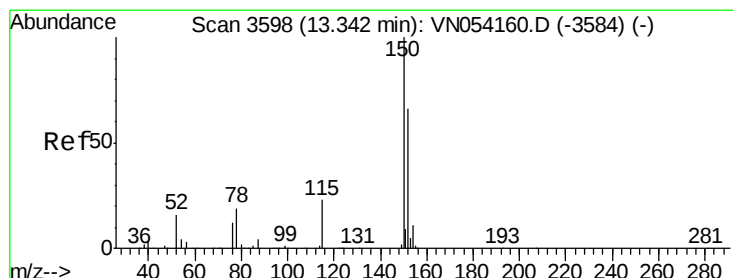
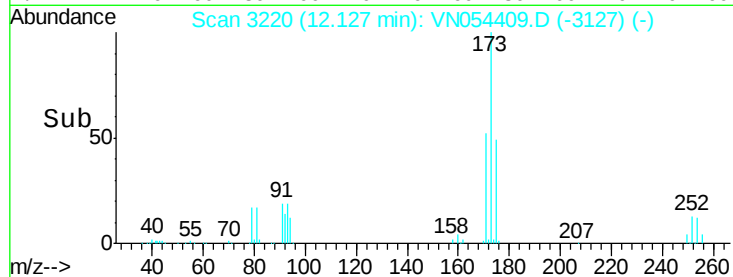
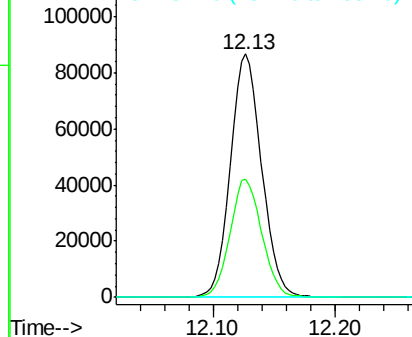
173 100

175 49.3 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

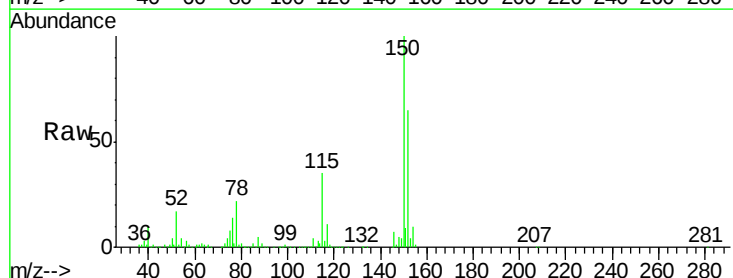
Tgt Ion:152 Resp: 717899

Ion Ratio Lower Upper

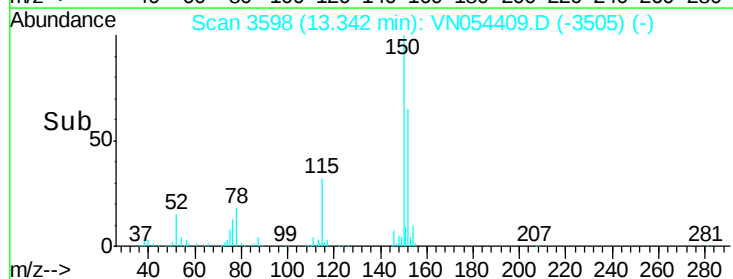
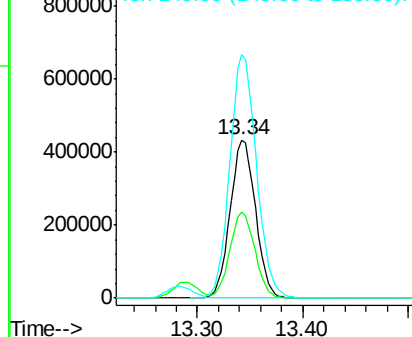
152 100

115 54.0 27.2 81.6

150 161.5 0.0 349.2



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: 21.106 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

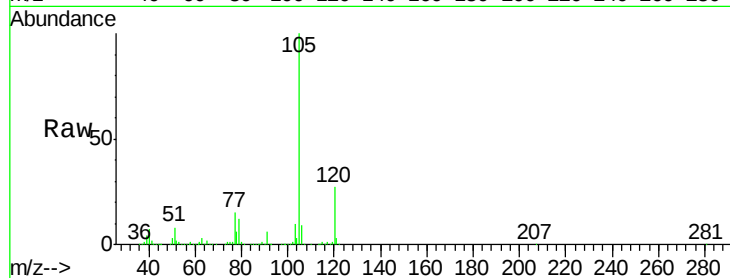
VN0318WBS02

Tot Ion:105 Resp: 1212236

Ion Ratio Lower Upper

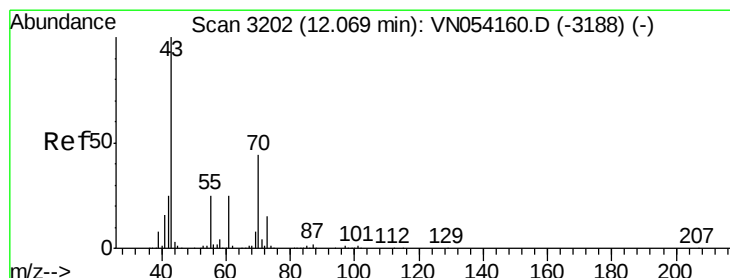
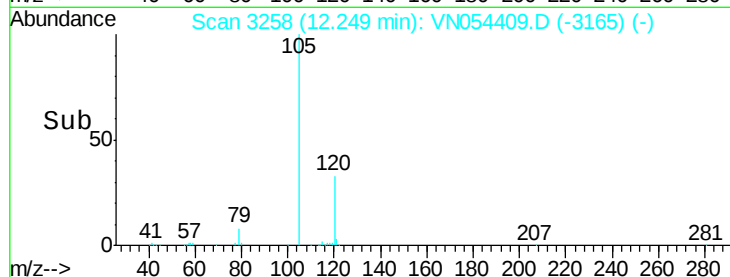
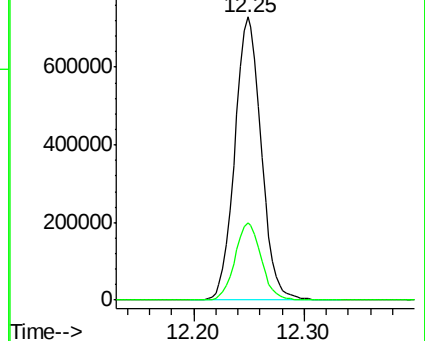
105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.706 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion: 43 Resp: 251234

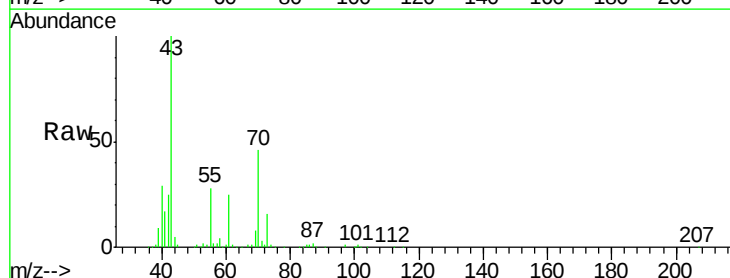
Ion Ratio Lower Upper

43 100

70 46.5 35.4 53.0

55 28.3 19.8 29.6

61 25.5 19.8 29.6

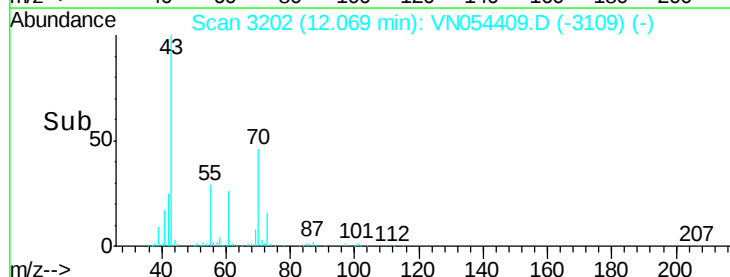
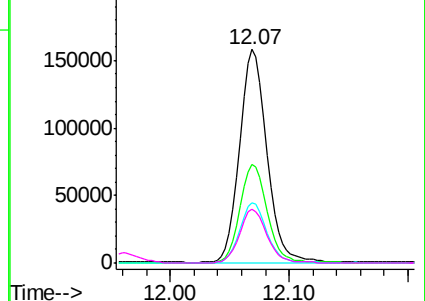


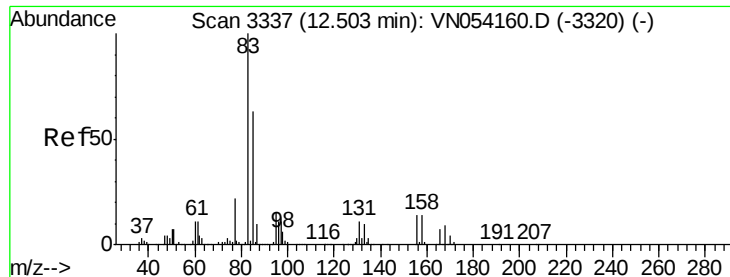
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.511 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

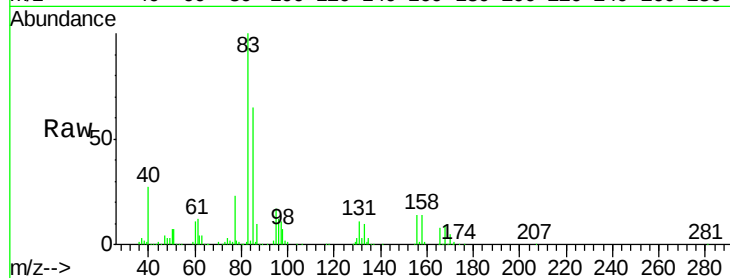
Tot Ion: 83 Resp: 275470

Ion Ratio Lower Upper

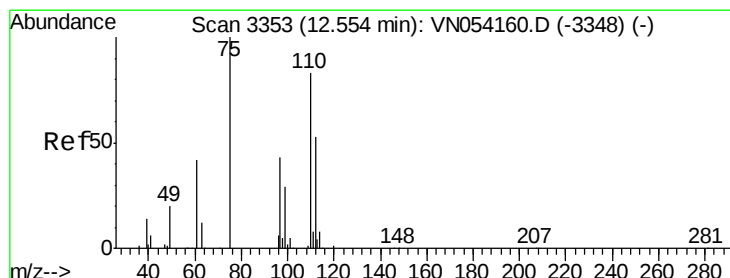
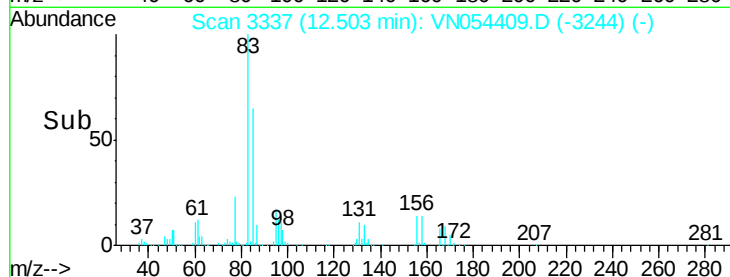
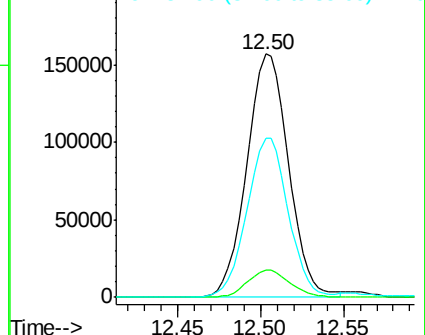
83 100

131 11.5 5.8 17.4

85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.298 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054409.D

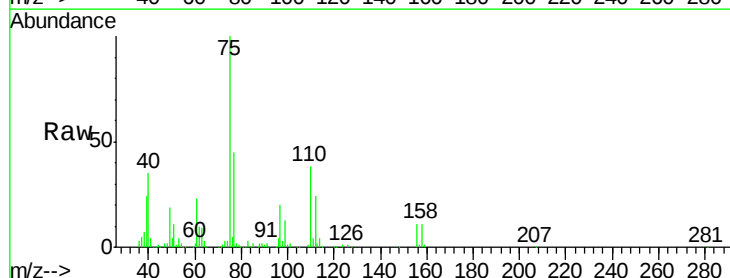
Acq: 18 Mar 2019 23:06

Tgt Ion: 75 Resp: 309305

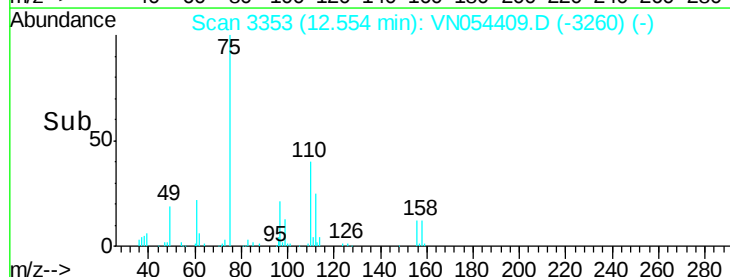
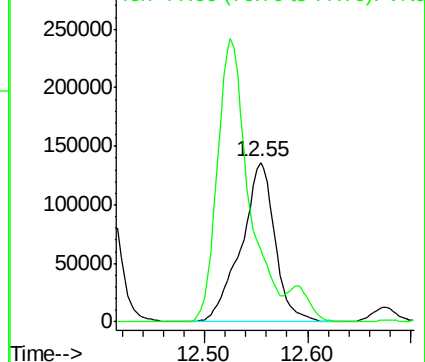
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.261 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

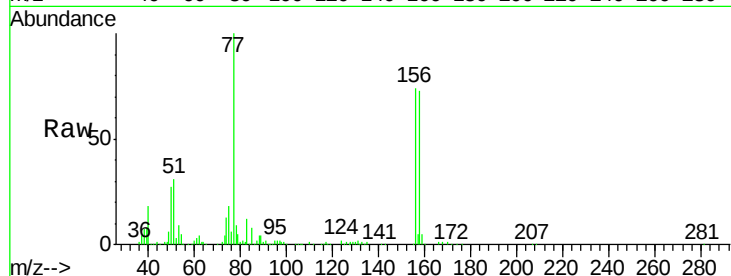
Tot Ion:156 Resp: 323140

Ion Ratio Lower Upper

156 100

77 158.4 81.5 244.4

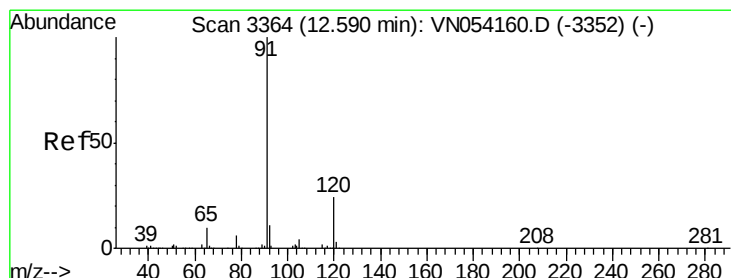
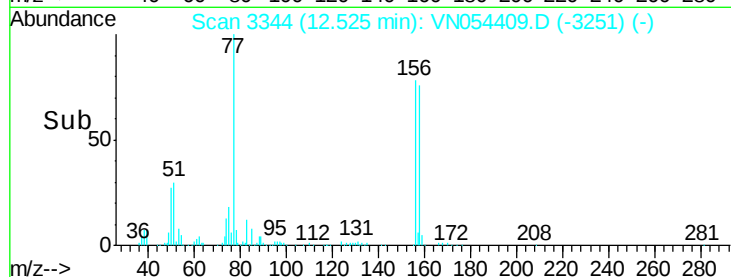
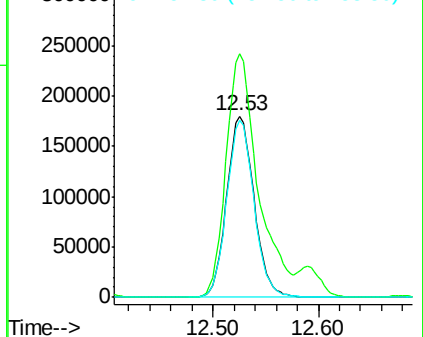
158 97.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.714 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054409.D

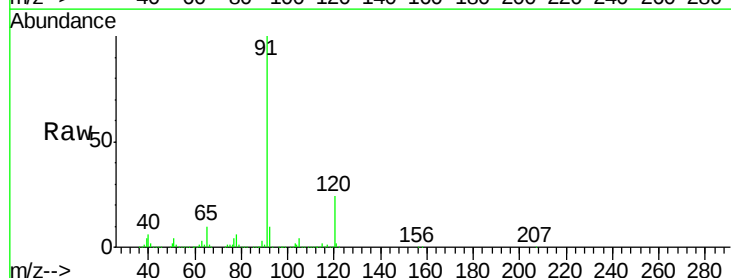
Acq: 18 Mar 2019 23:06

Tgt Ion: 91 Resp: 1290942

Ion Ratio Lower Upper

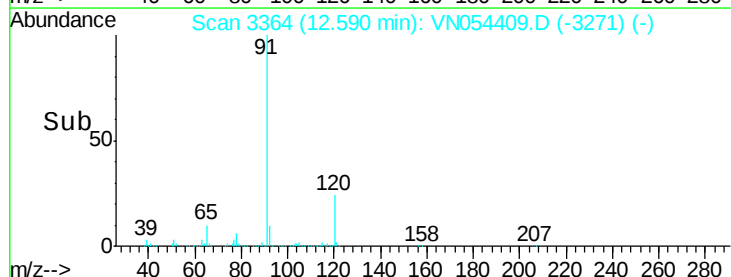
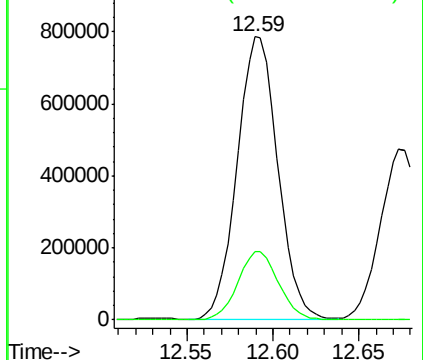
91 100

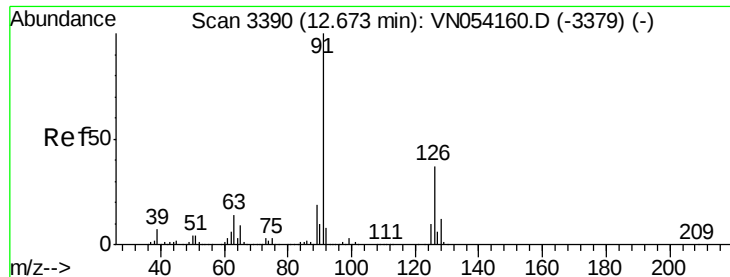
120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.156 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

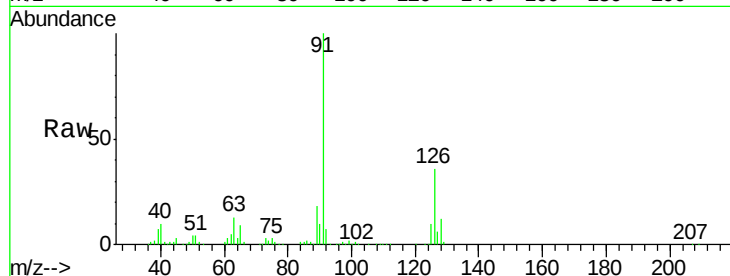
VN0318WBS02

Tot Ion: 91 Resp: 792753

Ion Ratio Lower Upper

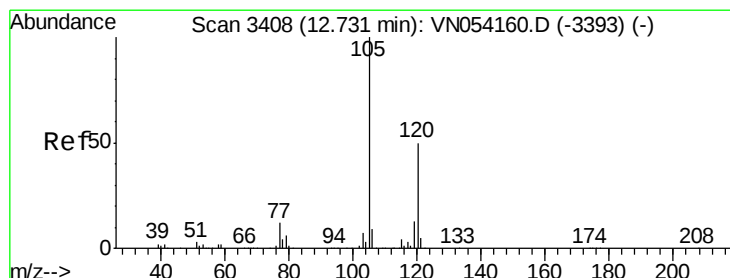
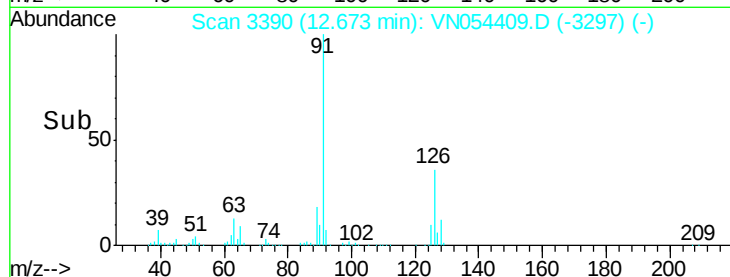
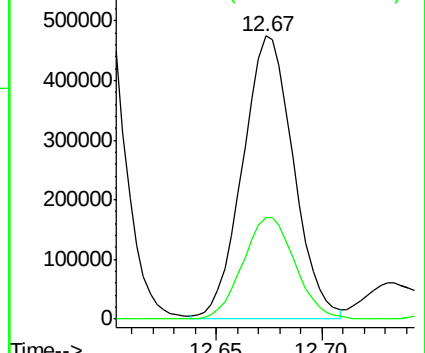
91 100

126 37.3 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.411 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054409.D

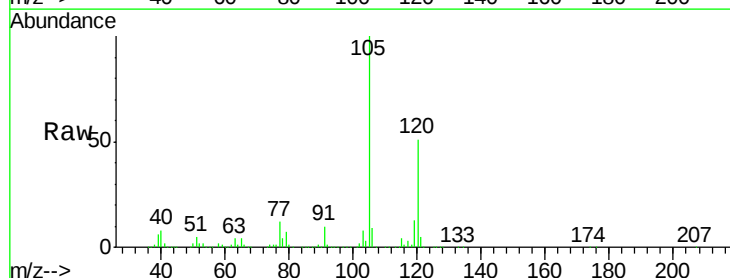
Acq: 18 Mar 2019 23:06

Tgt Ion:105 Resp: 975128

Ion Ratio Lower Upper

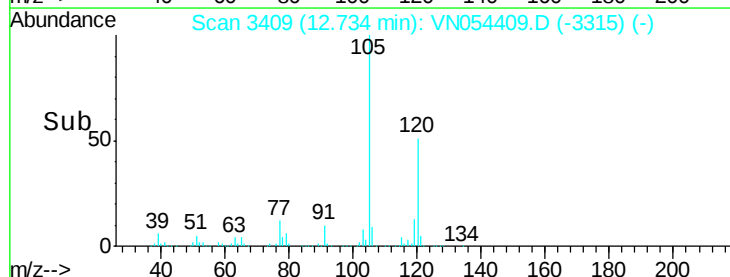
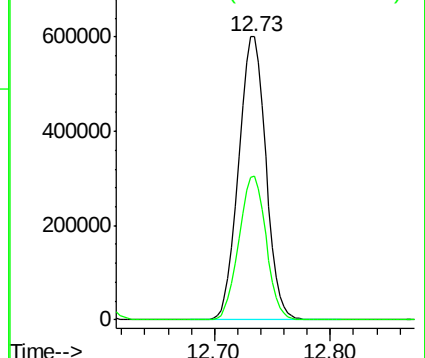
105 100

120 50.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

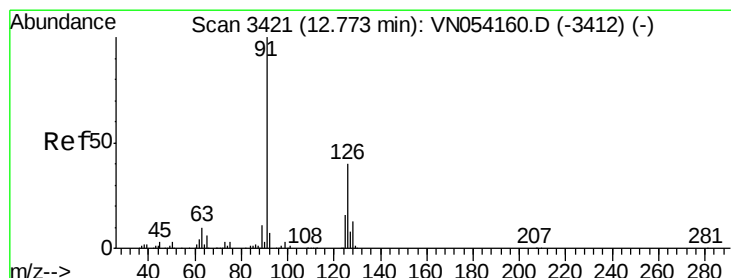
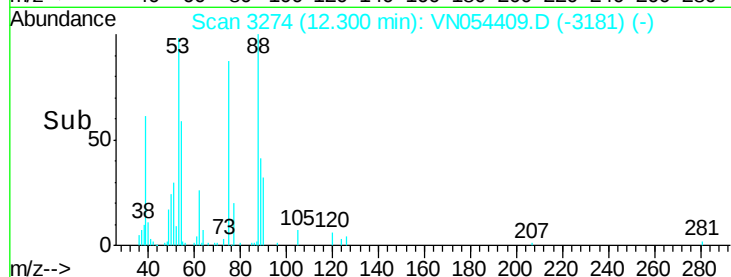
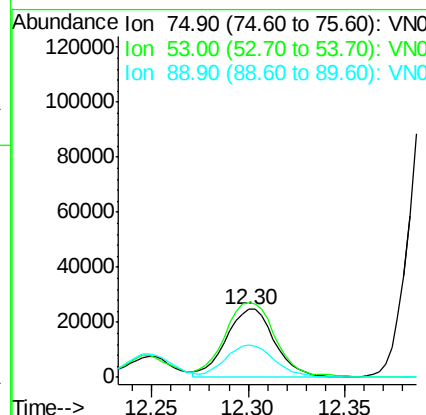
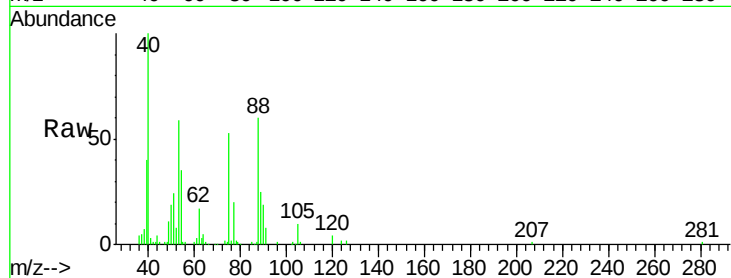




#81
trans-1,4-Dichloro-2-butene
Concen: 13.653 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

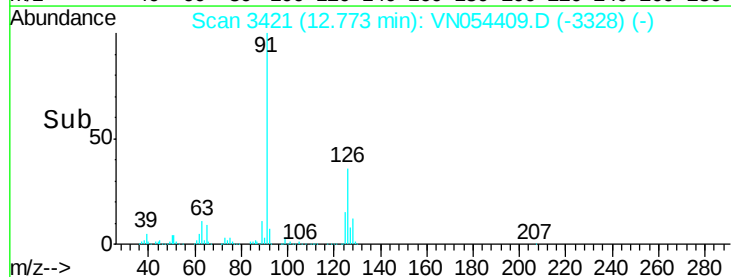
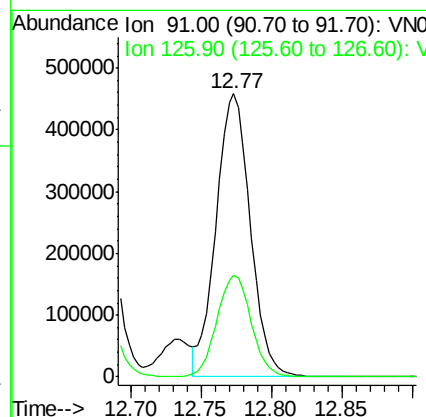
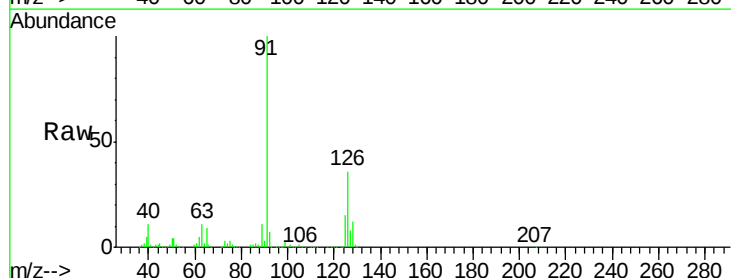
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

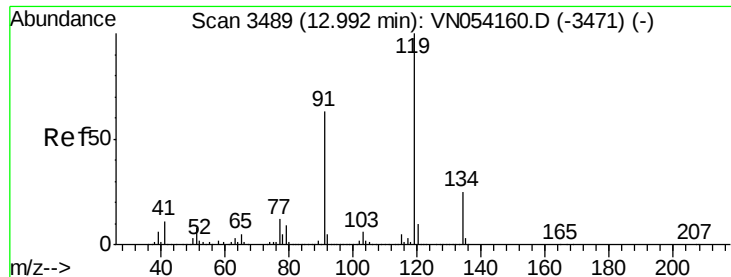
Tot Ion: 75 Resp: 42164
Ion Ratio Lower Upper
75 100
53 118.4 76.2 114.2#
89 49.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.583 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 91 Resp: 770176
Ion Ratio Lower Upper
91 100
126 36.1 18.1 54.1





#83

tert-Butylbenzene

Concen: 20.817 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

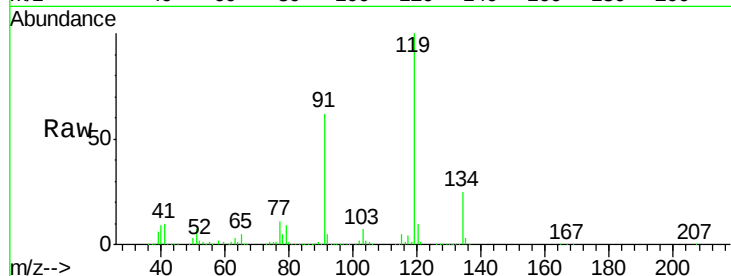
Tot Ion:119 Resp: 915405

Ion Ratio Lower Upper

119 100

91 60.5 30.9 92.8

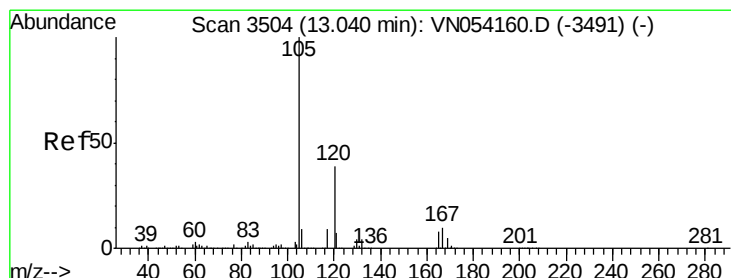
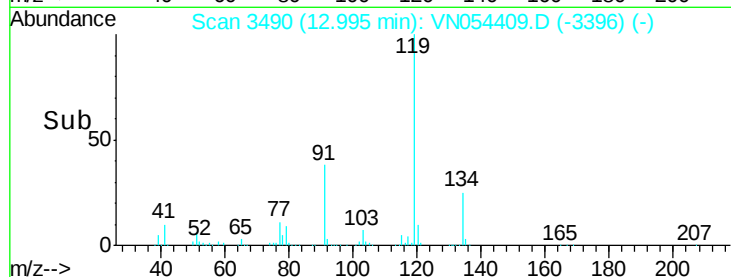
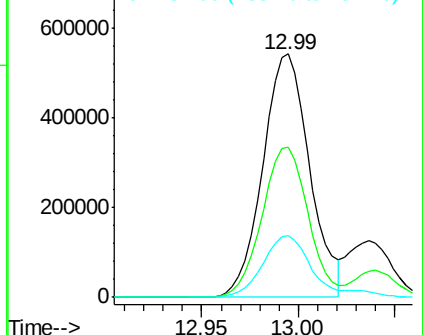
134 27.1 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.050 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054409.D

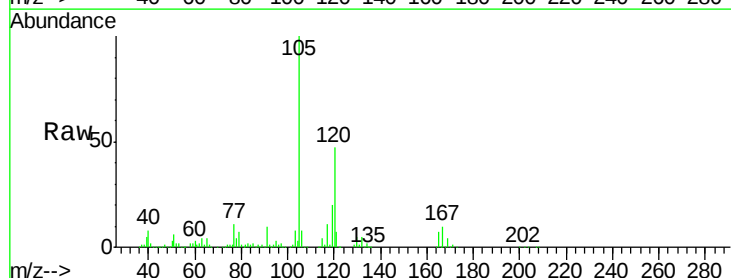
Acq: 18 Mar 2019 23:06

Tgt Ion:105 Resp: 986589

Ion Ratio Lower Upper

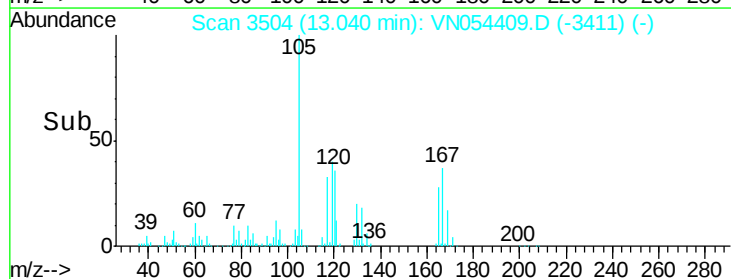
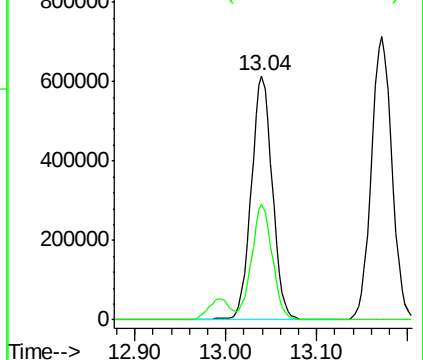
105 100

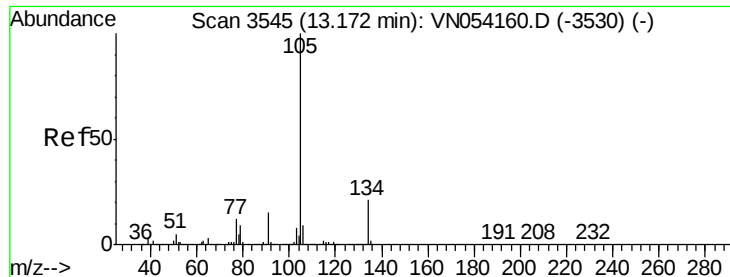
120 46.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.577 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

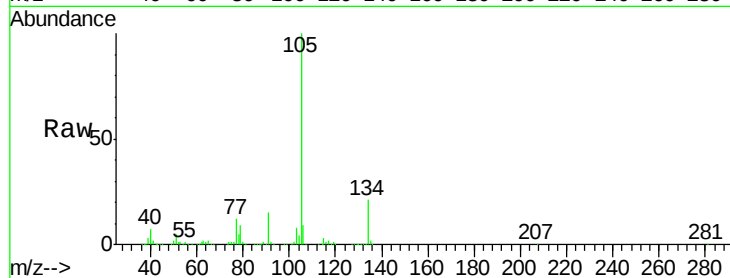
VN0318WBS02

Tot Ion:105 Resp: 1116456

Ion Ratio Lower Upper

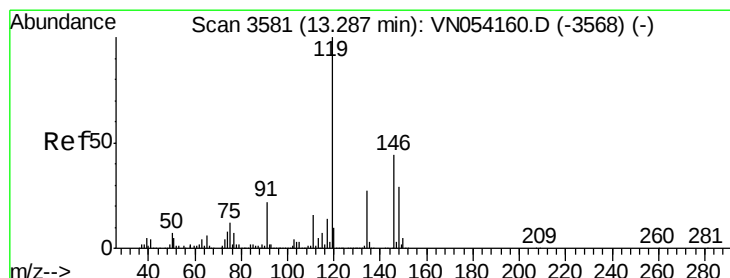
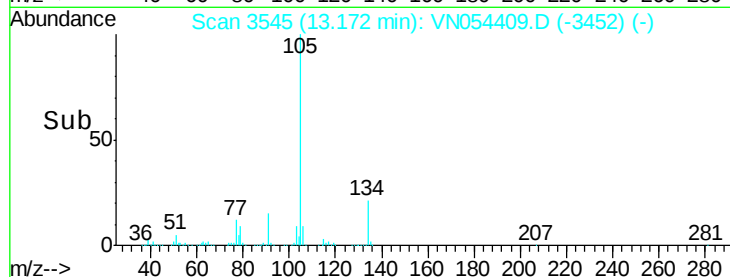
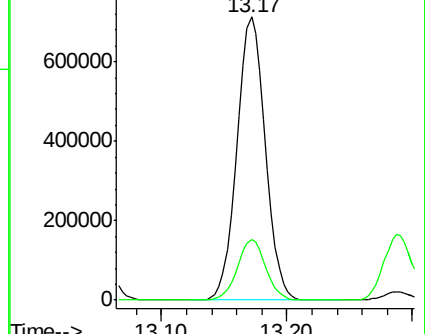
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.183 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

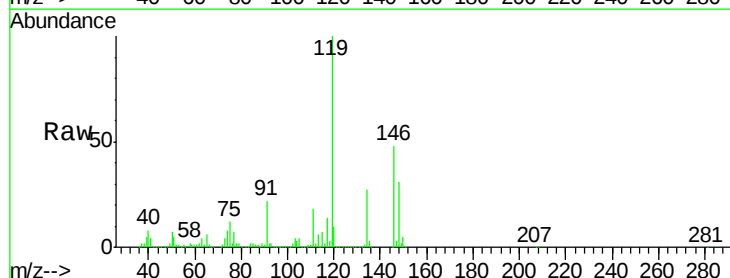
Tgt Ion:119 Resp: 959736

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

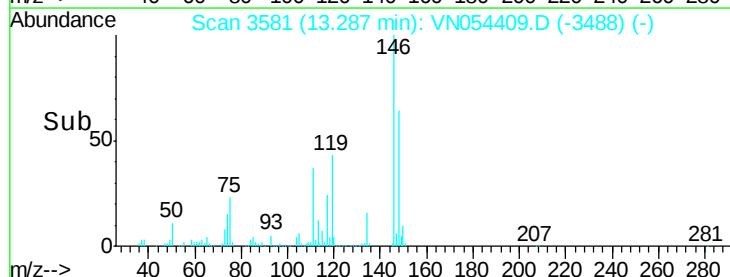
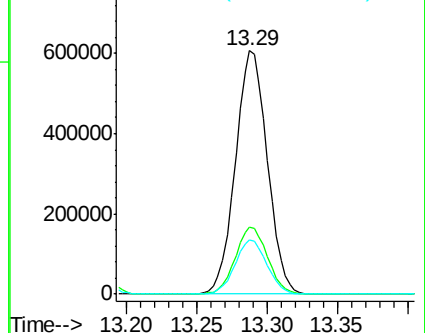
91 22.0 11.1 33.3

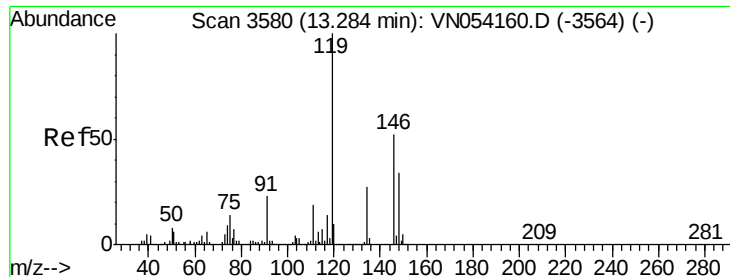


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.688 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

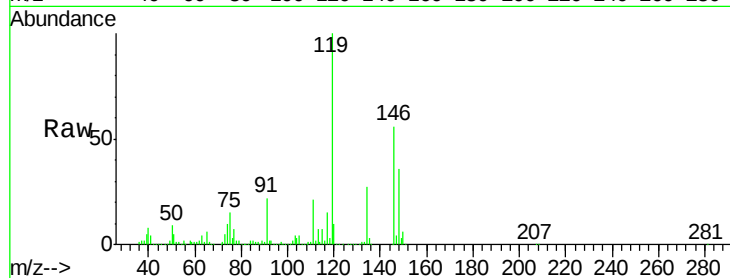
Tot Ion:146 Resp: 529818

Ion Ratio Lower Upper

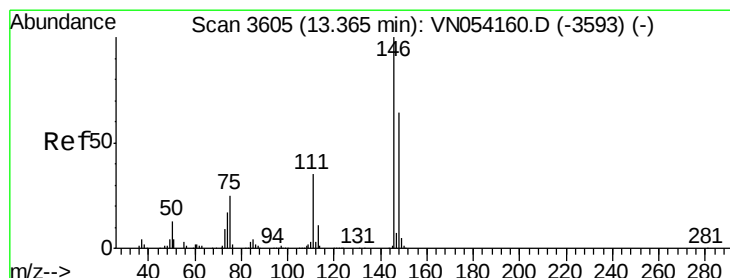
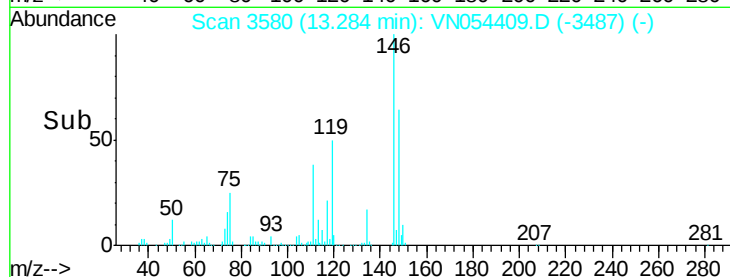
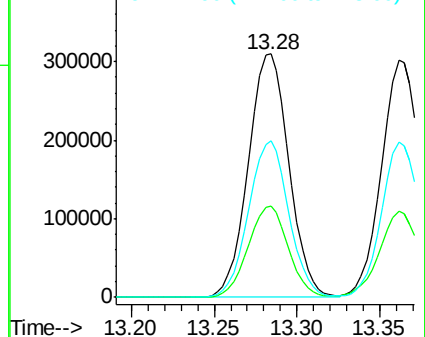
146 100

111 37.1 18.8 56.3

148 63.6 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.924 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

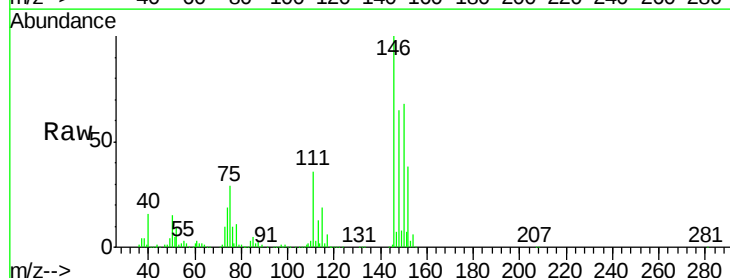
Tgt Ion:146 Resp: 501252

Ion Ratio Lower Upper

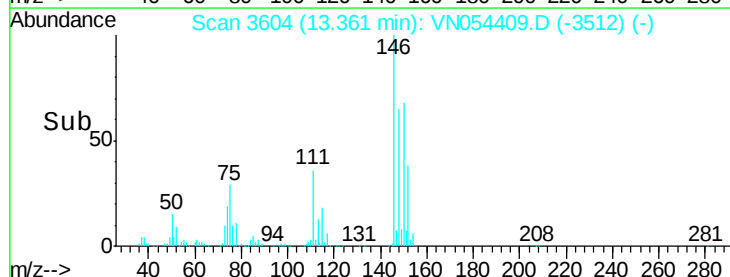
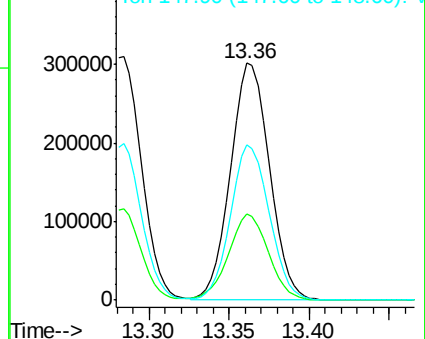
146 100

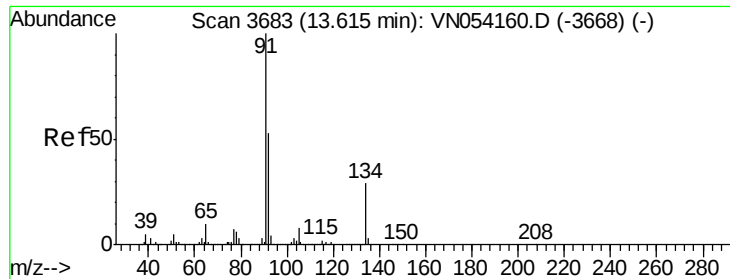
111 37.0 18.1 54.1

148 65.2 32.0 96.0



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





#89

n-Butylbenzene

Concen: 17.591 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

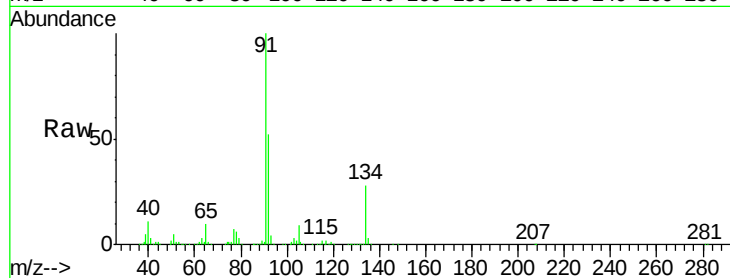
Tot Ion: 91 Resp: 668719

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.6

134 28.2 14.3 42.9

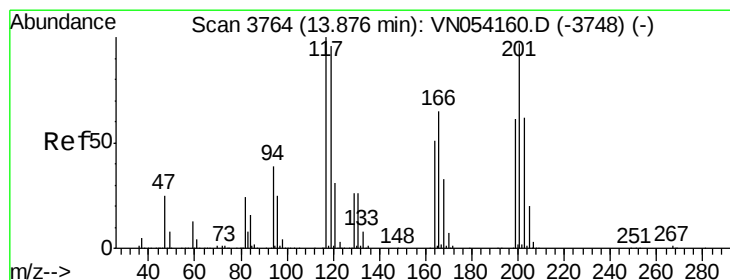
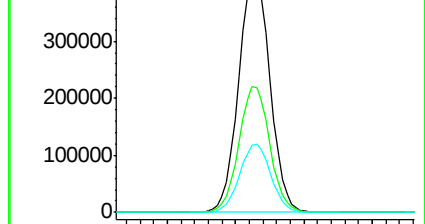
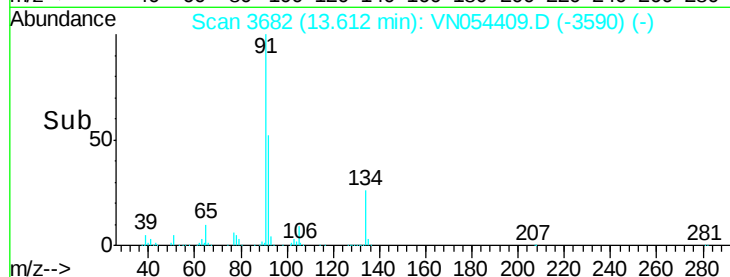


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 17.797 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054409.D

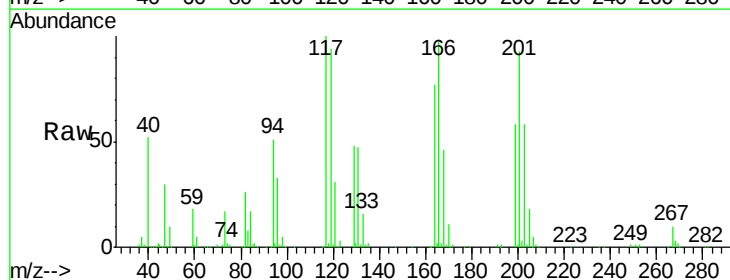
Acq: 18 Mar 2019 23:06

Tgt Ion: 117 Resp: 147439

Ion Ratio Lower Upper

117 100

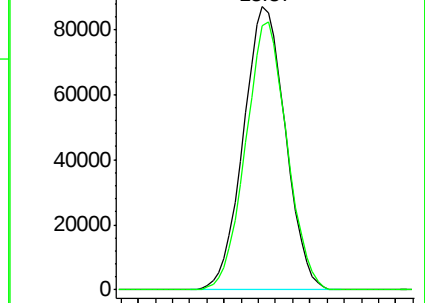
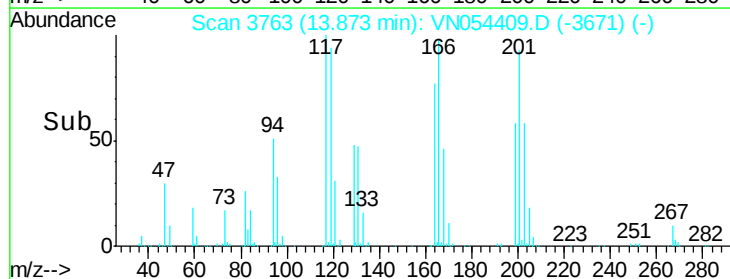
201 92.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->

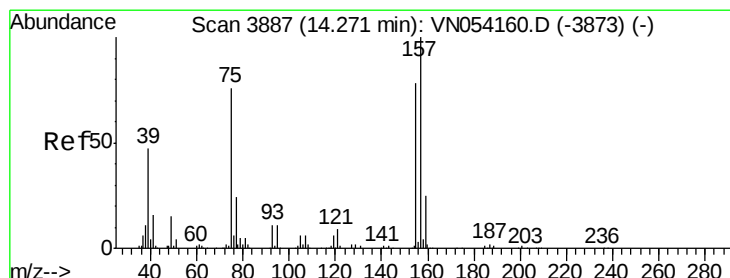
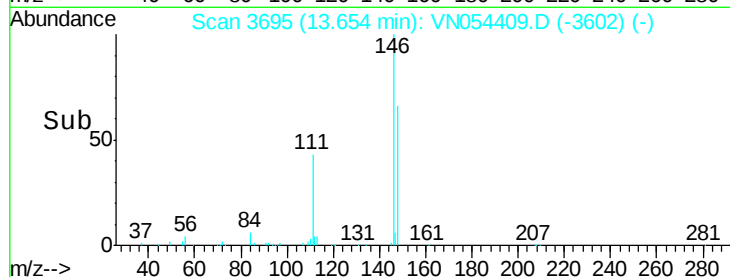
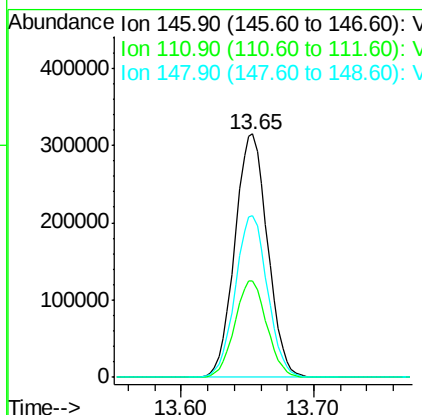
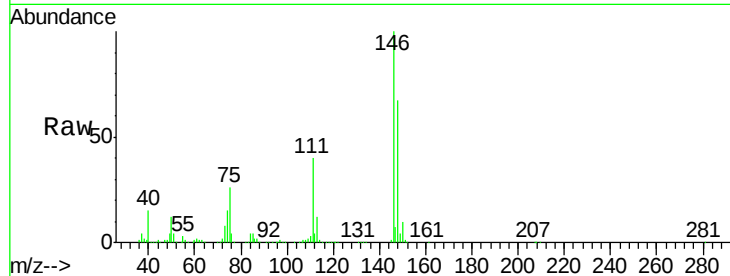




#91
 1,2-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

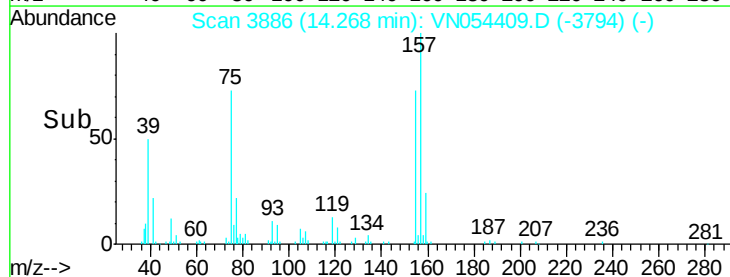
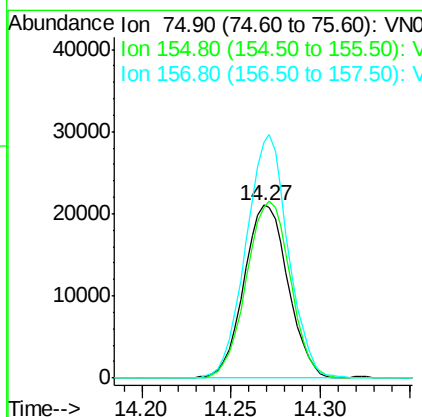
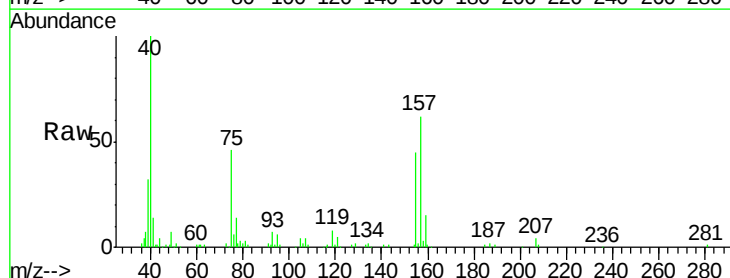
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

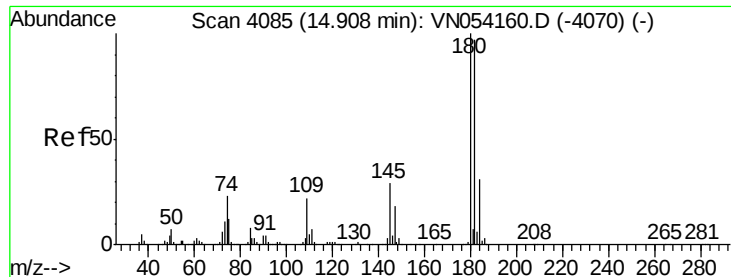
Tot Ion:146 Resp: 539661
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.3
 148 65.3 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.177 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 75 Resp: 36314
 Ion Ratio Lower Upper
 75 100
 155 101.8 50.1 150.3
 157 134.6 63.1 189.3

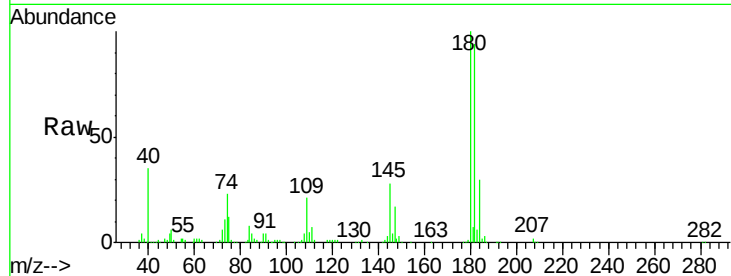




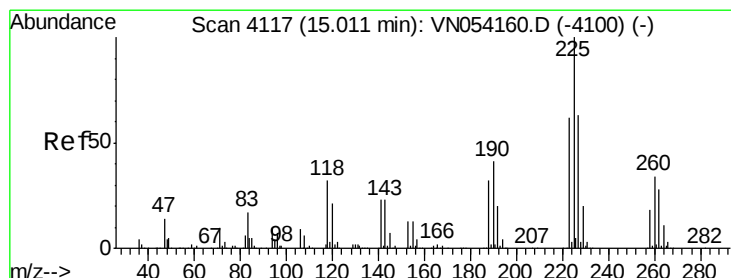
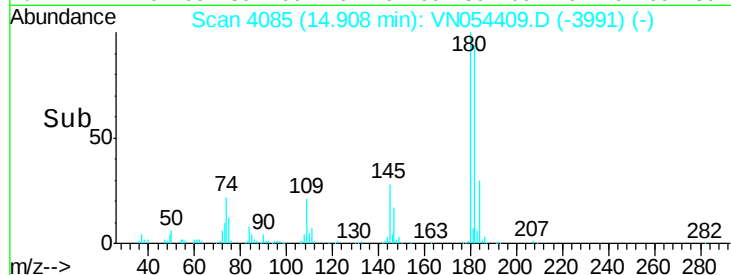
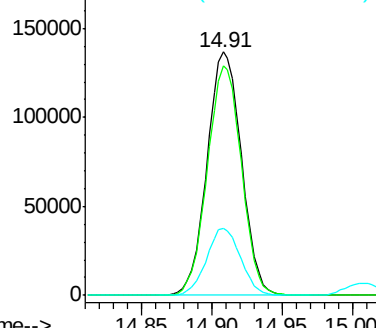
#93
 1,2,4-Trichlorobenzene
 Concen: 17.198 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.0	144.2
145	27.4	14.2	42.8

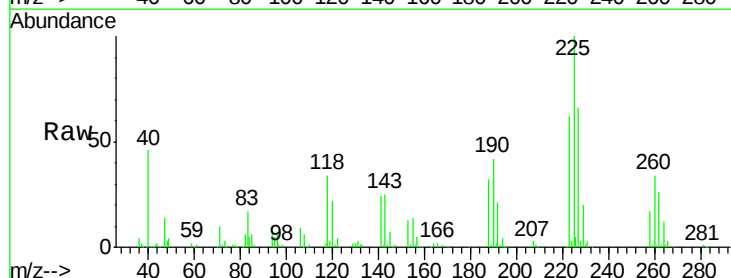


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

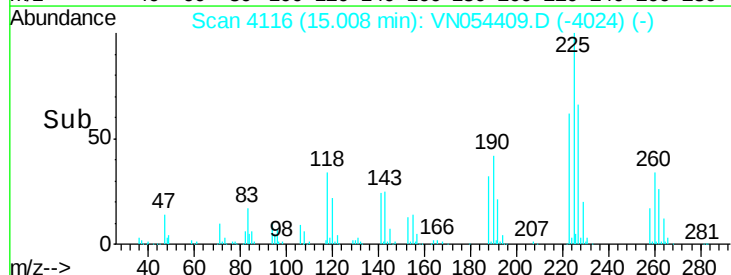
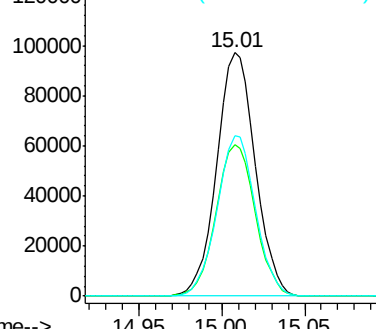


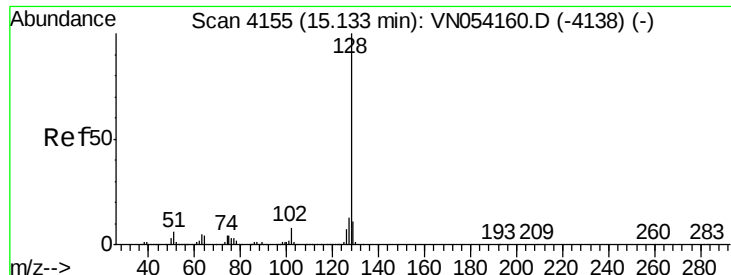
#94
 Hexachlorobutadiene
 Concen: 16.507 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	65.7	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.204 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

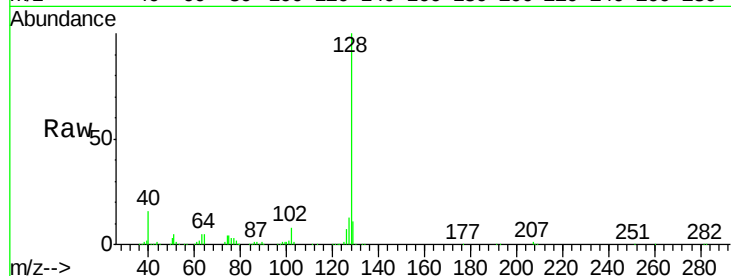
Tot Ion:128 Resp: 498540

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

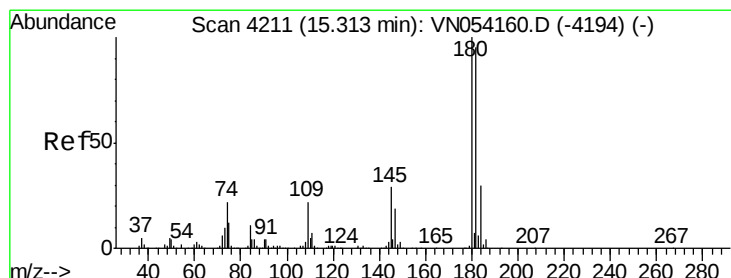
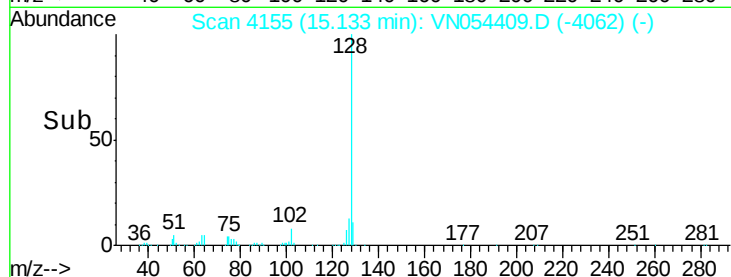
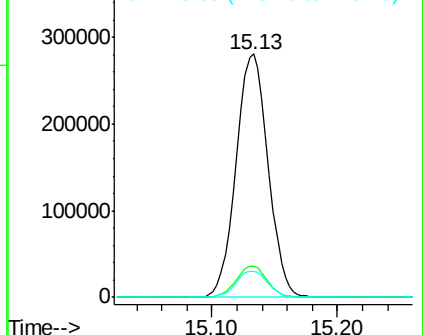
129 10.7 8.7 13.1



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: 17.960 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

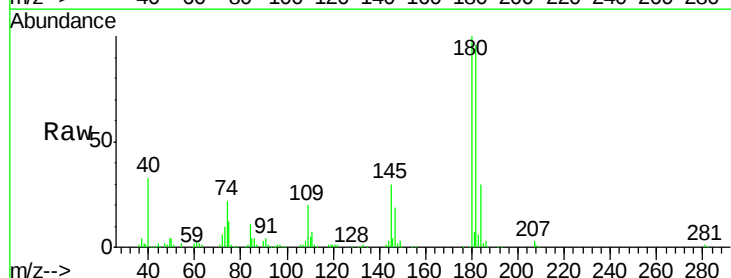
Tgt Ion:180 Resp: 238906

Ion Ratio Lower Upper

180 100

182 97.3 47.5 142.6

145 29.9 14.8 44.3



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

