

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032019\
 Data File : VN054463.D
 Acq On : 20 Mar 2019 14:18
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 14:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	542610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	831129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	693125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	8619	1.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.00%	
35) Dibromofluoromethane	7.59	113	6258	1.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.34%	
50) Toluene-d8	10.09	98	23412	1.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.36%	
62) 4-Bromofluorobenzene	12.40	95	7334	1.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	5108	0.993 ug/l	94
3) Chloromethane	2.06	50	7338	1.469 ug/l	97
4) Vinyl Chloride	2.19	62	7131	1.249 ug/l	92
5) Bromomethane	2.58	94	5744	1.453 ug/l	84
6) Chloroethane	2.71	64	4646	1.345 ug/l	96
7) Trichlorofluoromethane	3.02	101	8512	1.121 ug/l	98
8) Diethyl Ether	3.42	74	3705	1.071 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.75	101	5438	0.956 ug/l #	86
10) Methyl Iodide	3.95	142	5592	0.747 ug/l #	76
11) Tert butyl alcohol	4.80	59	418	1.058 ug/l #	70
12) 1,1-Dichloroethene	3.73	96	5837	1.035 ug/l	89
13) Acrolein	3.61	56	3591	9.593 ug/l #	68
14) Allyl chloride	4.32	41	10773	1.489 ug/l #	77
15) Acrylonitrile	5.00	53	9891	6.095 ug/l #	75
16) Acetone	3.82	43	10893	6.602 ug/l #	83
17) Carbon Disulfide	4.05	76	16214	1.147 ug/l	99
18) Methyl Acetate	4.33	43	2621	0.785 ug/l	96
19) Methyl tert-butyl Ether	5.05	73	15270	1.093 ug/l	98
20) Methylene Chloride	4.55	84	6586	1.216 ug/l #	87
21) trans-1,2-Dichloroethene	5.04	96	5168	0.957 ug/l	86
22) Diisopropyl ether	5.95	45	10153	0.703 ug/l #	59
23) Vinyl Acetate	5.90	43	58515	5.498 ug/l #	92
24) 1,1-Dichloroethane	5.84	63	10287	1.110 ug/l #	95
25) 2-Butanone	6.86	43	10116	5.224 ug/l	100
26) 2,2-Dichloropropane	6.82	77	7286	0.894 ug/l	86
27) cis-1,2-Dichloroethene	6.83	96	6544	1.086 ug/l	91
28) Bromochloromethane	7.19	49	5015	1.324 ug/l #	72
29) Tetrahydrofuran	7.23	42	6858	5.508 ug/l #	81
30) Chloroform	7.36	83	10172	1.052 ug/l	98
31) Cyclohexane	7.66	56	20518	2.057 ug/l #	63
32) 1,1,1-Trichloroethane	7.57	97	7287	0.834 ug/l #	43
36) 1,1-Dichloropropene	7.79	75	8686	1.135 ug/l	93
37) Ethyl Acetate	6.93	43	887	0.202 ug/l #	40
38) Carbon Tetrachloride	7.77	117	8389	1.045 ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	9544	1.013	ug/l	90
40) Benzene	8.04	78	22254	1.016	ug/l	96
41) Methacrylonitrile	7.18	41	4159	1.656	ug/l #	48
42) 1,2-Dichloroethane	8.12	62	8658	1.171	ug/l	93
43) Isopropyl Acetate	8.17	43	8507	1.102	ug/l #	92
44) Trichloroethene	8.83	130	6495	0.955	ug/l	97
45) 1,2-Dichloropropane	9.12	63	5655	1.040	ug/l	99
46) Dibromomethane	9.21	93	3472	0.945	ug/l	92
47) Bromodichloromethane	9.40	83	6991	0.949	ug/l #	97
48) Methyl methacrylate	9.20	41	5224	1.333	ug/l #	69
49) 1,4-Dioxane	9.20	88	1107	19.977	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	21984	5.381	ug/l	94
52) Toluene	10.16	92	13584	0.978	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5586	0.745	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	7177	0.836	ug/l #	86
55) 1,1,2-Trichloroethane	10.56	97	4784	0.943	ug/l	95
56) Ethyl methacrylate	10.43	69	5550	0.918	ug/l #	67
57) 1,3-Dichloropropane	10.71	76	8272	0.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	11168	4.876	ug/l #	88
59) 2-Hexanone	10.76	43	14475	5.325	ug/l	93
60) Dibromochloromethane	10.90	129	4240	0.743	ug/l	91
61) 1,2-Dibromoethane	11.00	107	4337	0.842	ug/l	95
64) Tetrachloroethene	10.63	164	6409	0.956	ug/l	94
65) Chlorobenzene	11.43	112	14439	0.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	4491	0.812	ug/l #	58
67) Ethyl Benzene	11.51	91	25222	1.000	ug/l	99
68) m/p-Xylenes	11.62	106	18471	1.873	ug/l	94
69) o-Xylene	11.95	106	9440	0.982	ug/l	94
70) Styrene	11.96	104	14070	0.933	ug/l	95
71) Bromoform	12.13	173	2346	0.641	ug/l #	91
73) Isopropylbenzene	12.25	105	24291	1.195	ug/l	98
74) N-amyl acetate	12.08	43	5038	1.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	5020	1.159	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	6035	1.615	ug/l #	100
77) Bromobenzene	12.52	156	6030	1.121	ug/l	89
78) n-propylbenzene	12.59	91	25146	1.140	ug/l	96
79) 2-Chlorotoluene	12.68	91	17004	1.282	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	19235	1.138	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.29	75	967	0.885	ug/l #	79
82) 4-Chlorotoluene	12.77	91	14979	1.131	ug/l	95
83) tert-Butylbenzene	12.99	119	17195	1.105	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	18424	1.111	ug/l	94
85) sec-Butylbenzene	13.17	105	21774	1.079	ug/l	98
86) p-Isopropyltoluene	13.29	119	18571	1.049	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	9430	1.041	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	9430	1.059	ug/l	97
89) n-Butylbenzene	13.62	91	13181	0.980	ug/l	99
90) Hexachloroethane	13.87	117	2510	0.856	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	8904	1.005	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	583	0.870	ug/l	95

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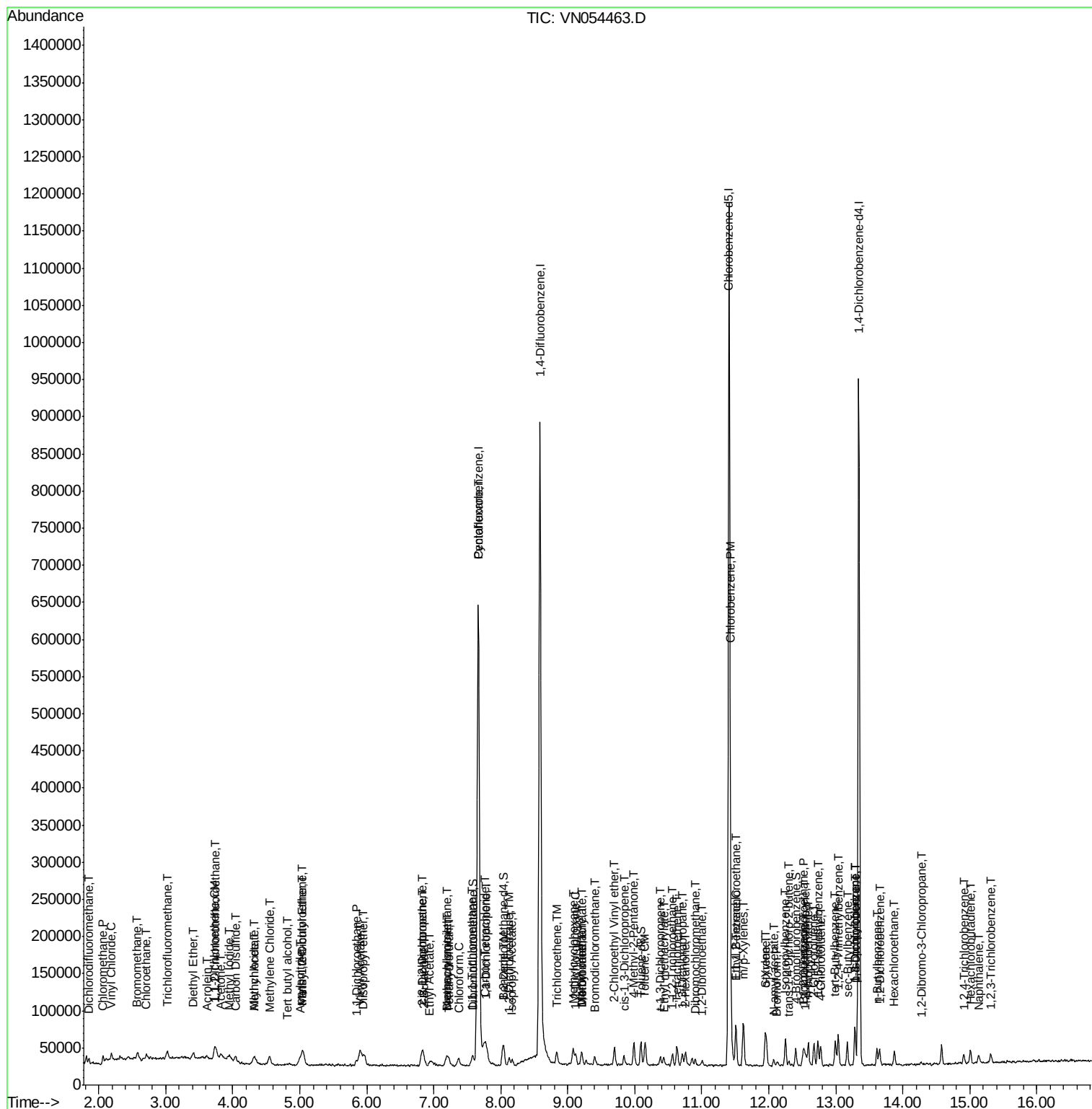
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4110	0.898	ug/l	95
94) Hexachlorobutadiene	15.01	225	3687	1.093	ug/l	91
95) Naphthalene	15.13	128	8917	0.947	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	4182	0.888	ug/l #	82

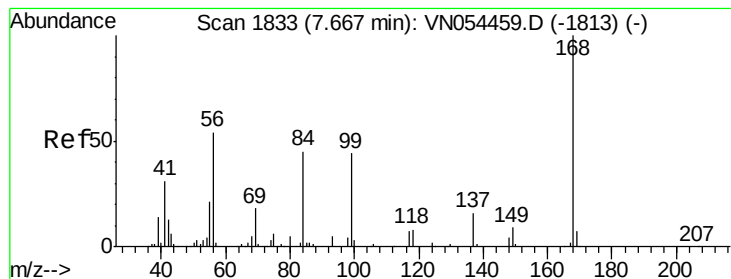
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032019\
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Operator  : JC/SP
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Misc      : 5.00mL/MSVOA_N/WATER
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

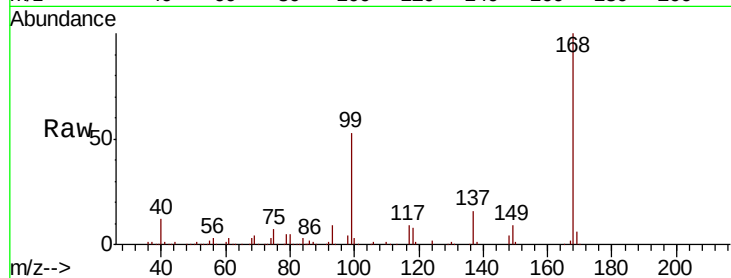
ClientSampled :

Tgt Ion:168 Resp: 542610

Ion Ratio Lower Upper

168 100

99 52.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

150000

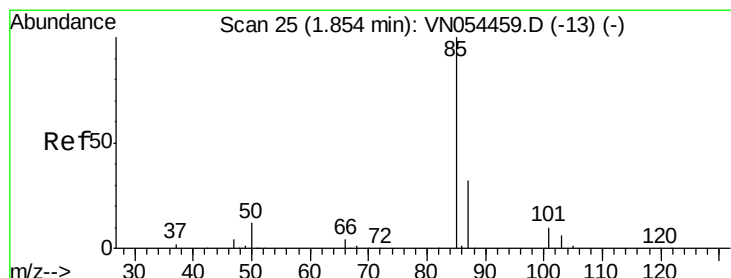
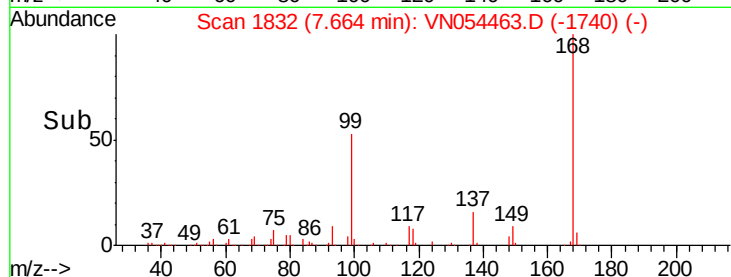
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.993 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054463.D

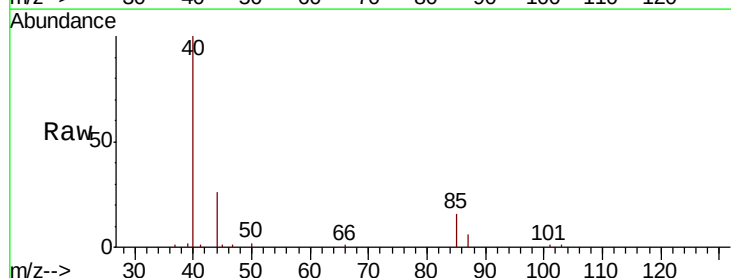
Acq: 20 Mar 2019 14:18

Tgt Ion: 85 Resp: 5108

Ion Ratio Lower Upper

85 100

87 35.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

4000

3000

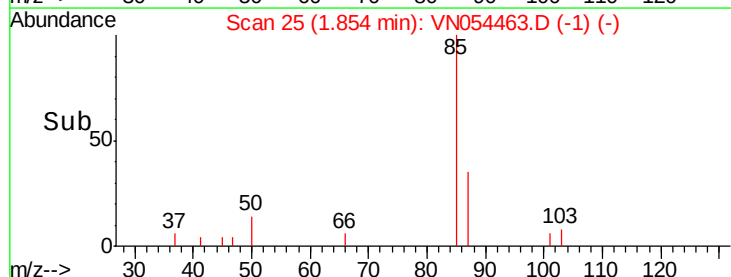
2000

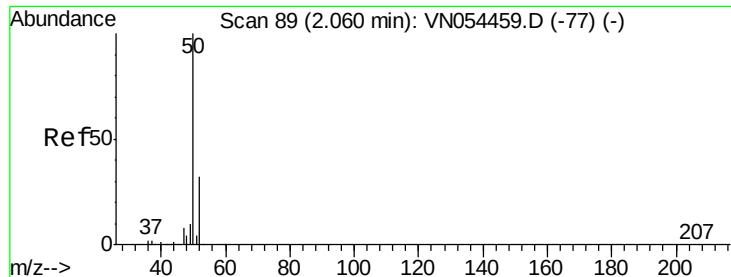
1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.469 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

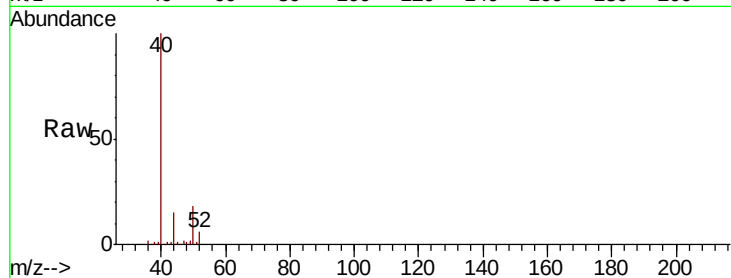
ClientSampleId :

Tgt Ion: 50 Resp: 7338

Ion Ratio Lower Upper

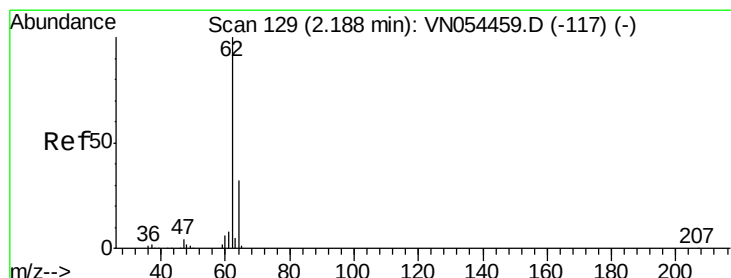
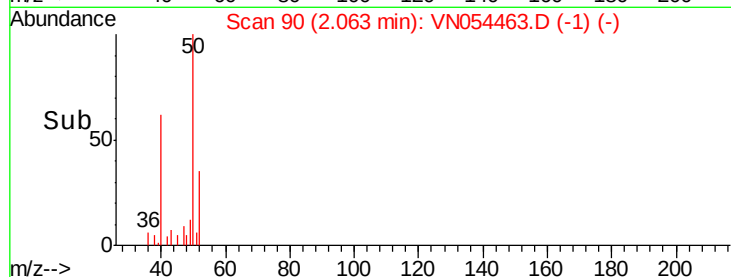
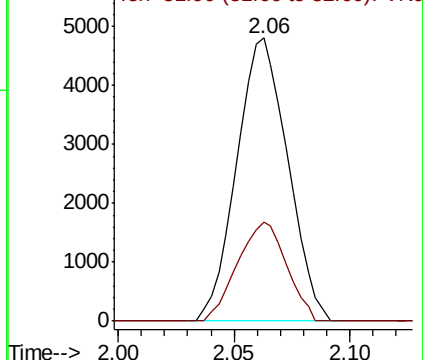
50 100

52 35.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.249 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054463.D

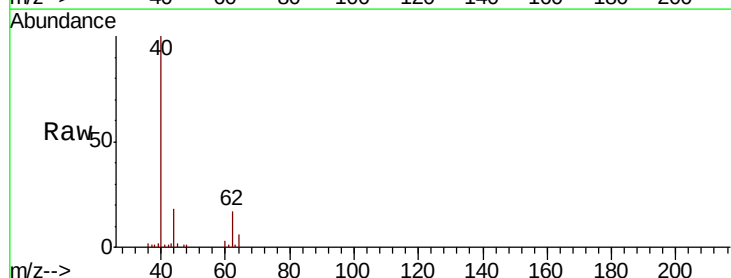
Acq: 20 Mar 2019 14:18

Tgt Ion: 62 Resp: 7131

Ion Ratio Lower Upper

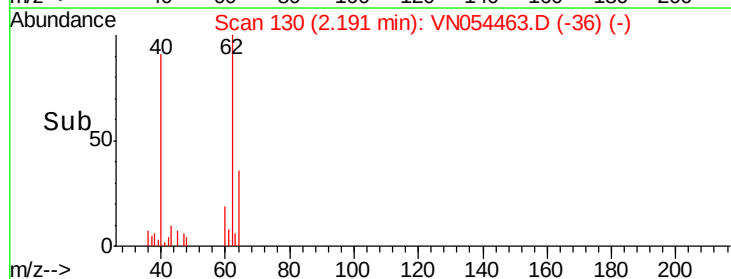
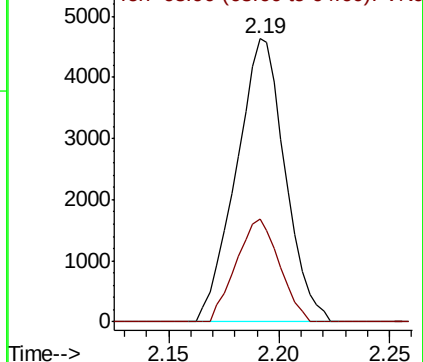
62 100

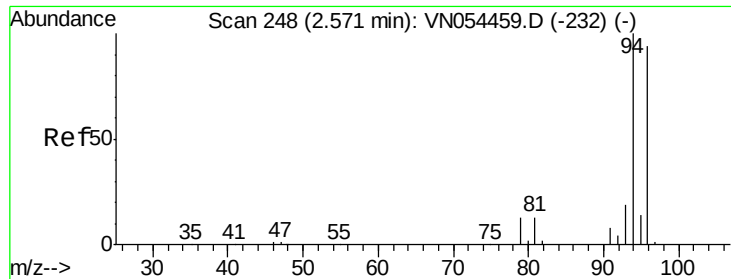
64 36.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.453 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

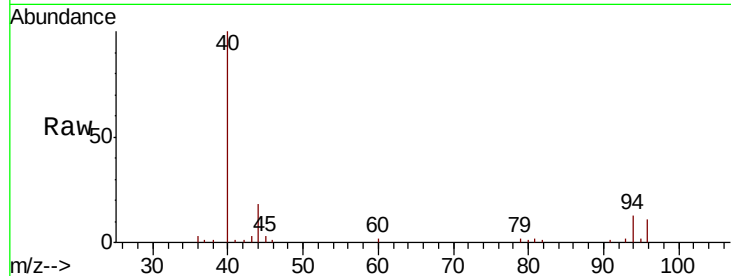
ClientSampleId :

Tgt Ion: 94 Resp: 5744

Ion Ratio Lower Upper

94 100

96 80.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

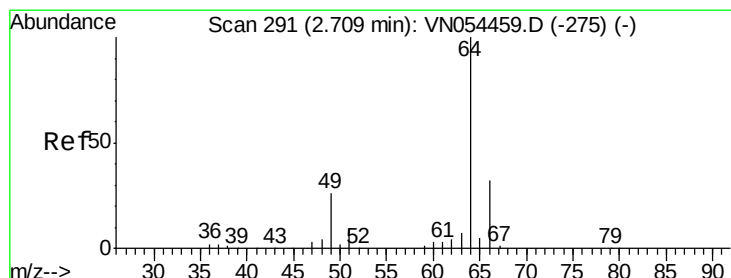
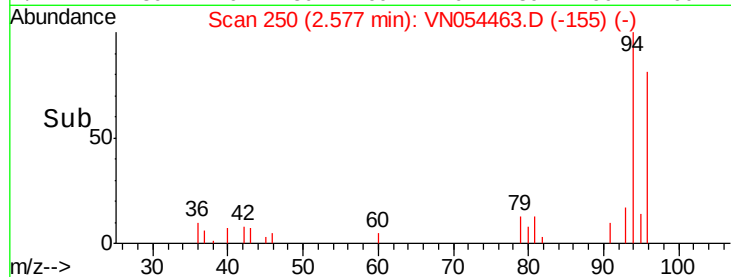
3000

2000

1000

0

Time--> 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 1.345 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054463.D

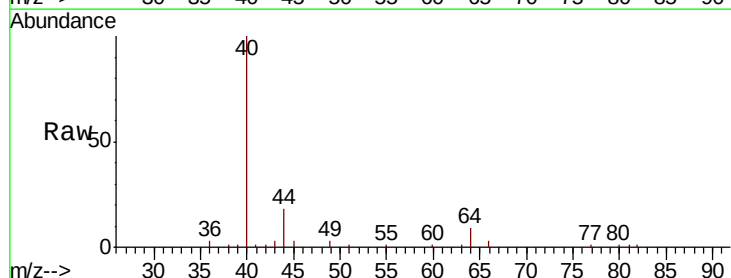
Acq: 20 Mar 2019 14:18

Tgt Ion: 64 Resp: 4646

Ion Ratio Lower Upper

64 100

66 34.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

2500

2000

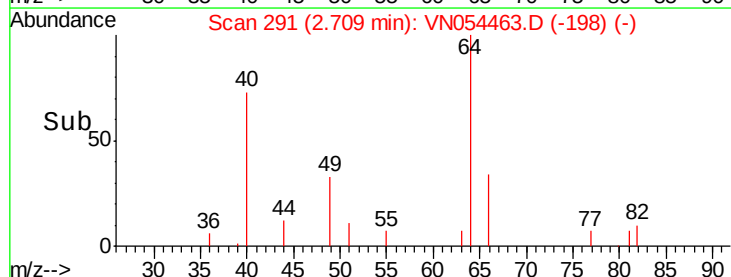
1500

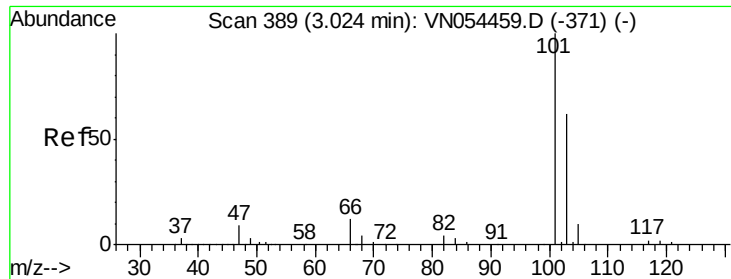
1000

500

0

Time--> 2.65 2.70 2.75



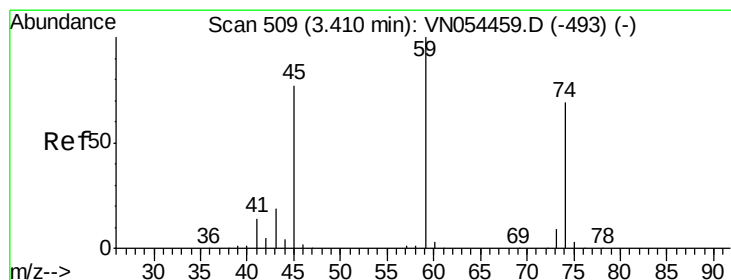
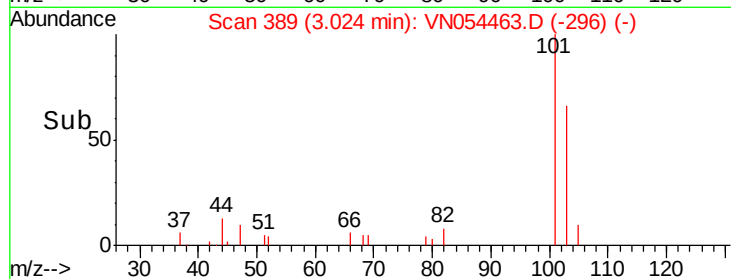
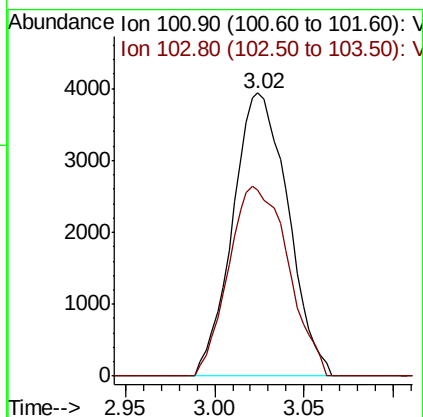
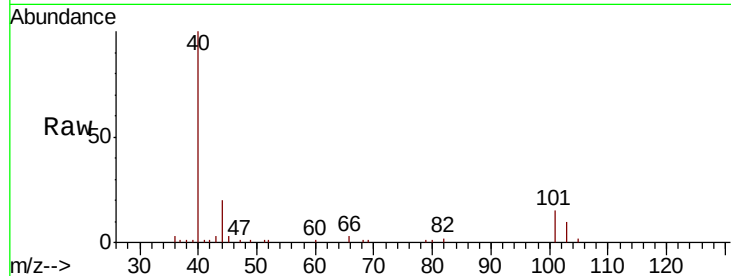


#7

Trichlorofluoromethane
 Concen: 1.121 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampled :

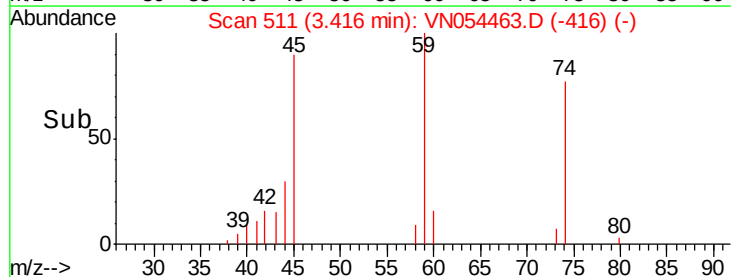
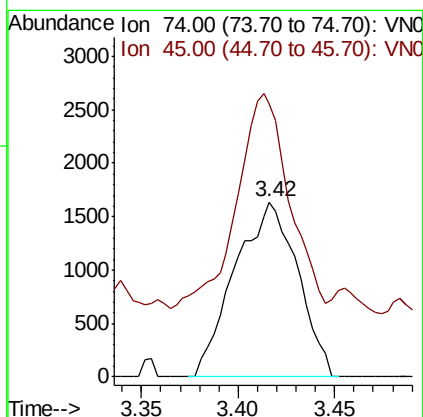
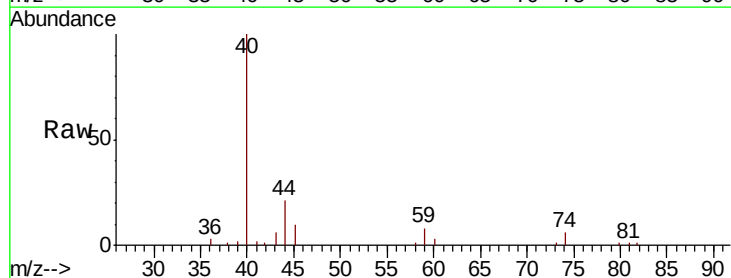
Tgt Ion:101 Resp: 8512
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.2

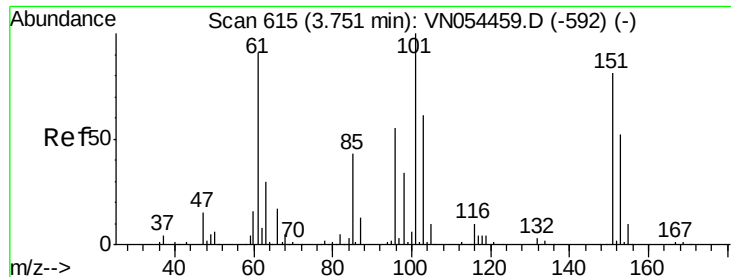


#8

Diethyl Ether
 Concen: 1.071 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 74 Resp: 3705
 Ion Ratio Lower Upper
 74 100
 45 101.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.956 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

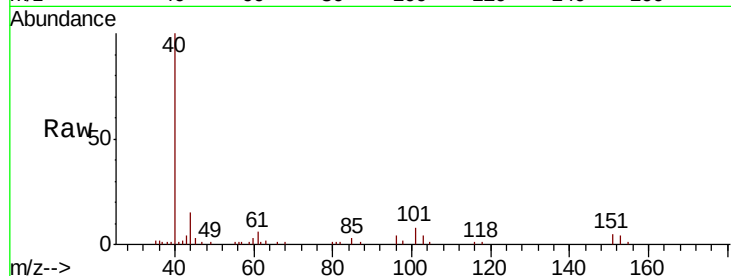
Tgt Ion:101 Resp: 5438

Ion Ratio Lower Upper

101 100

85 25.5 32.4 48.6#

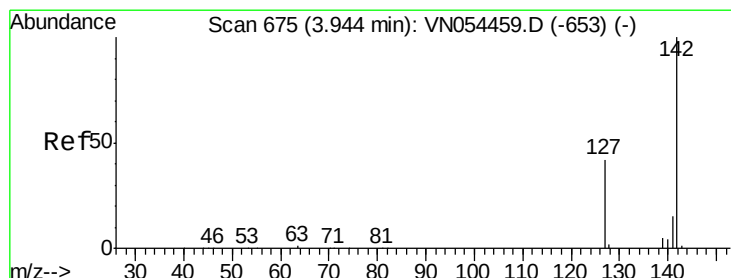
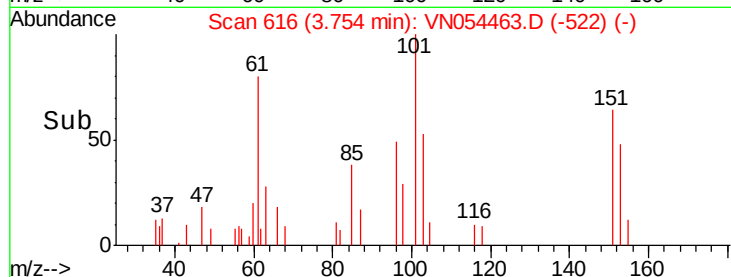
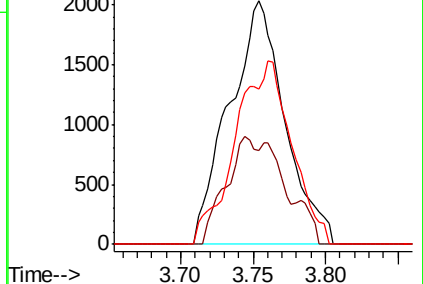
151 76.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.747 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

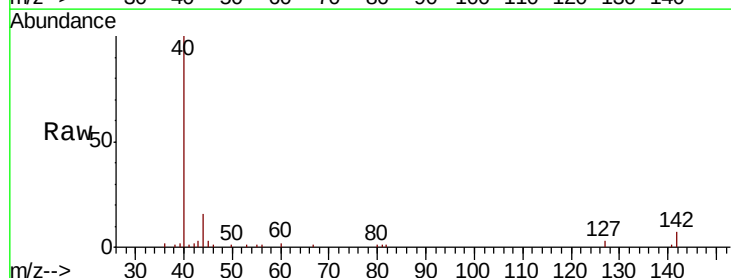
Tgt Ion:142 Resp: 5592

Ion Ratio Lower Upper

142 100

127 21.8 30.3 45.5#

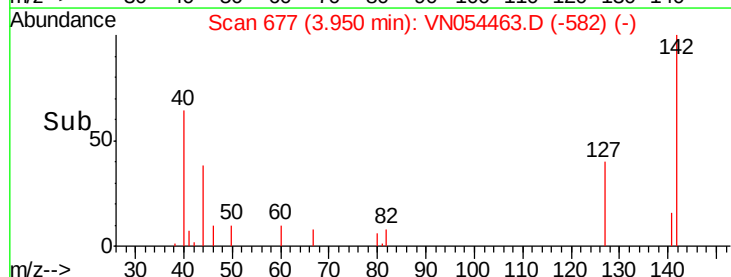
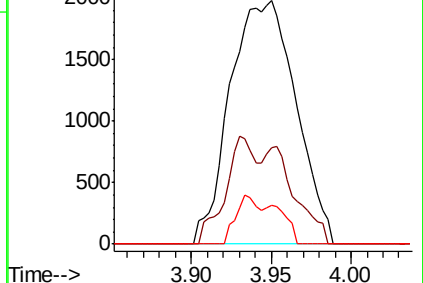
141 6.9 11.2 16.8#

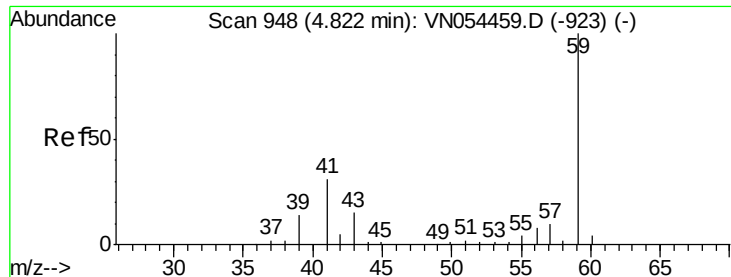


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

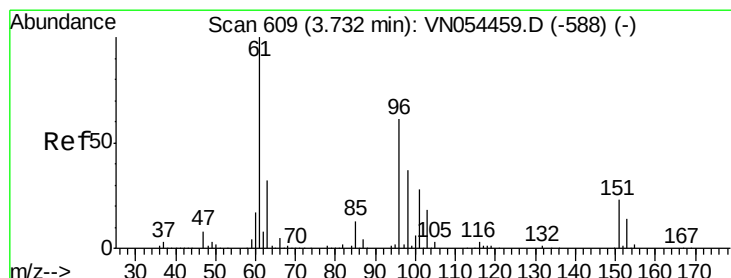
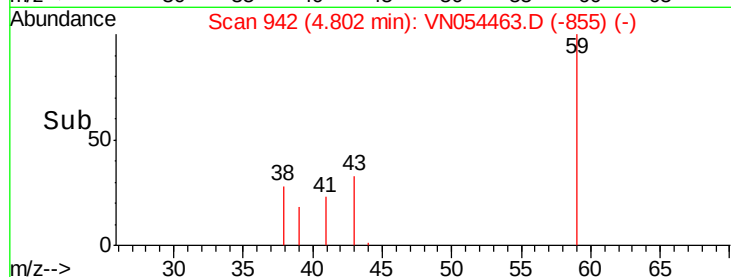
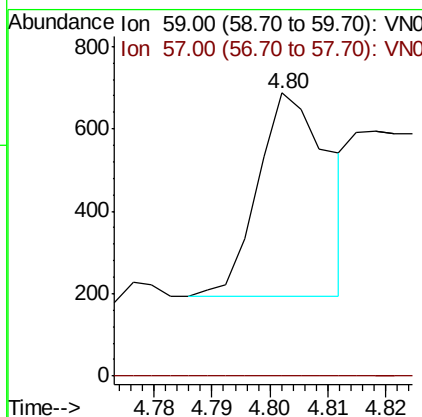
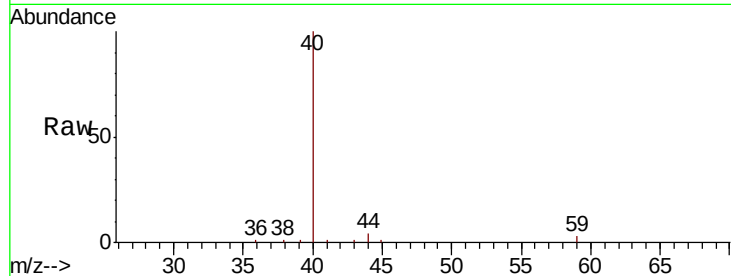




#11
Tert butyl alcohol
Concen: 1.058 ug/l
RT: 4.80 min Scan# 942
Delta R.T. -0.02 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

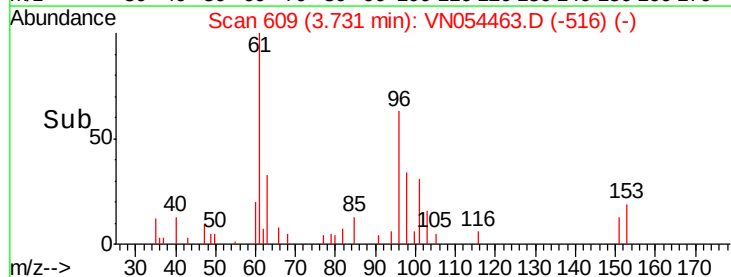
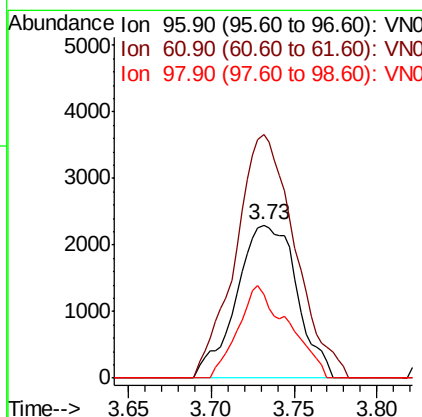
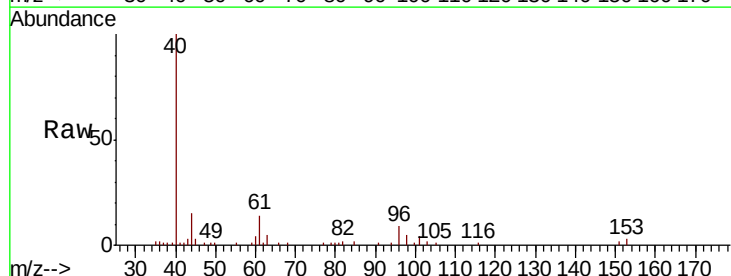
Instrument :
MSVOA_N
ClientSampleId :

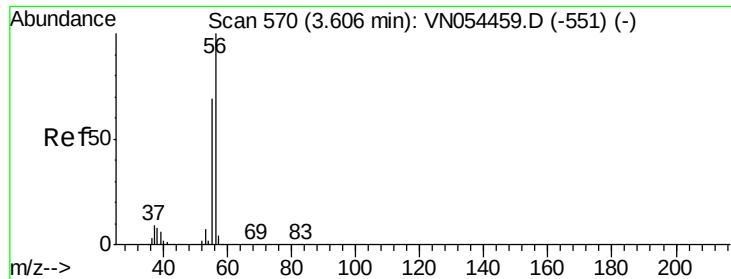
Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 1.035 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 96 Resp: 5837
Ion Ratio Lower Upper
96 100
61 158.8 116.5 174.7
98 54.4 51.0 76.4





#13

Acrolein

Concen: 9.593 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

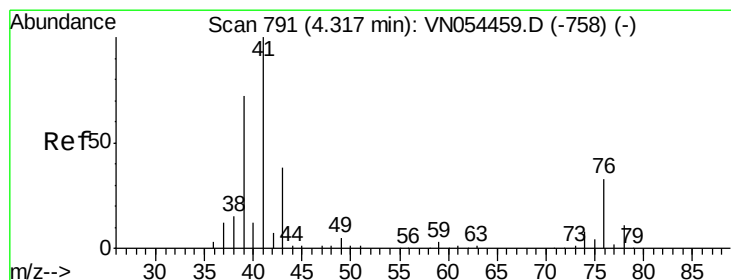
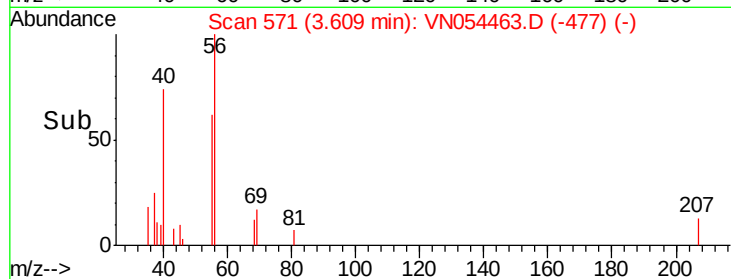
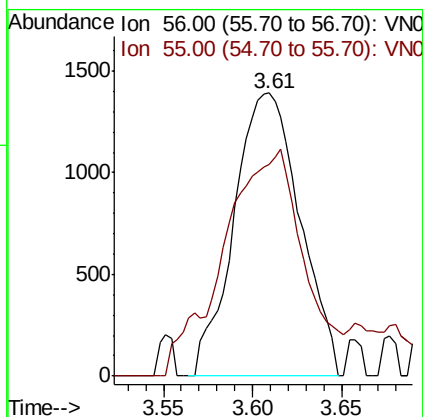
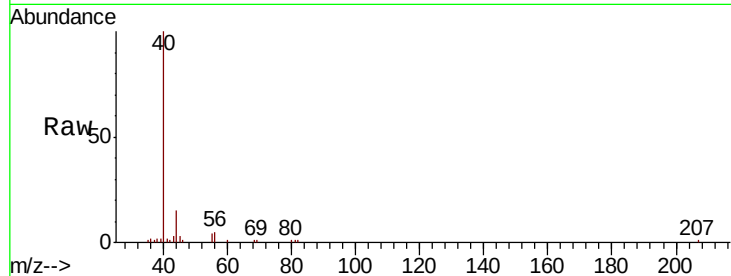
ClientSampleId :

Tgt Ion: 56 Resp: 3591

Ion Ratio Lower Upper

56 100

55 97.5 56.7 85.1#



#14

Allyl chloride

Concen: 1.489 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

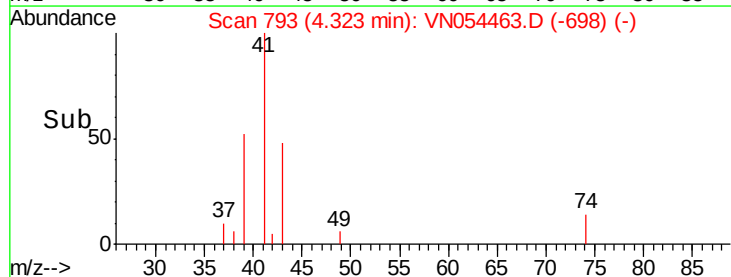
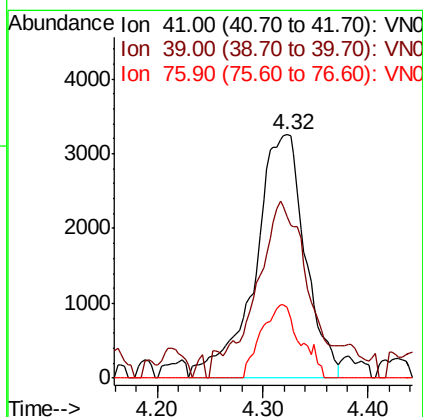
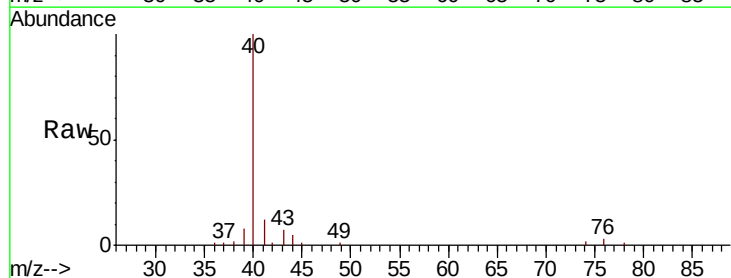
Tgt Ion: 41 Resp: 10773

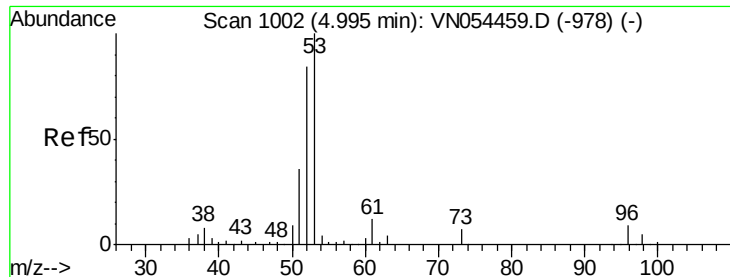
Ion Ratio Lower Upper

41 100

39 55.5 58.2 87.4#

76 23.4 31.7 47.5#

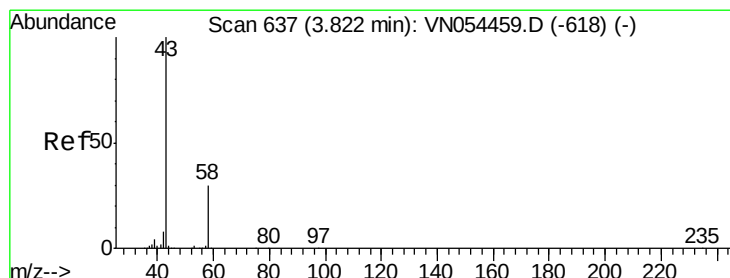
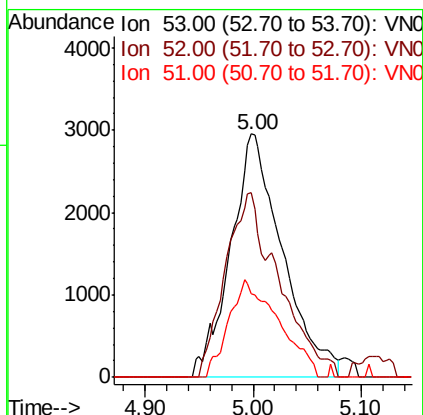
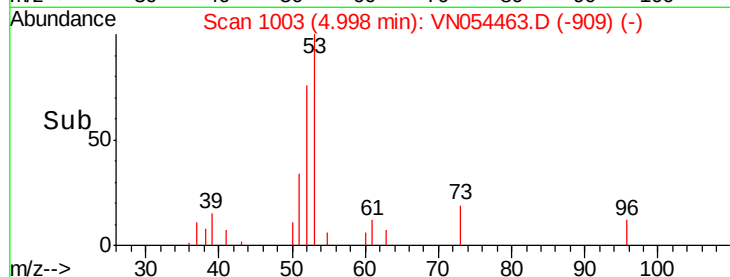
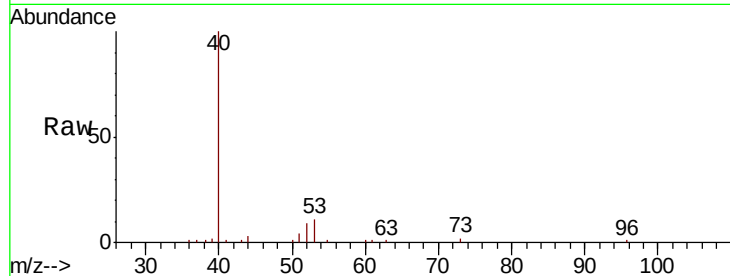




#15
Acrylonitrile
Concen: 6.095 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

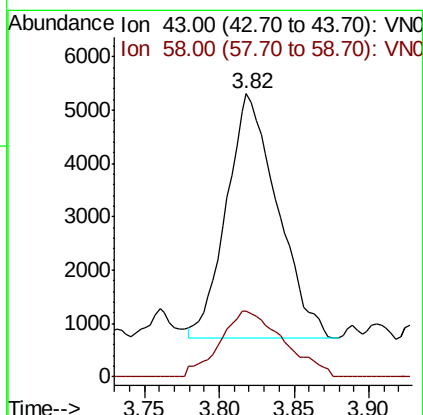
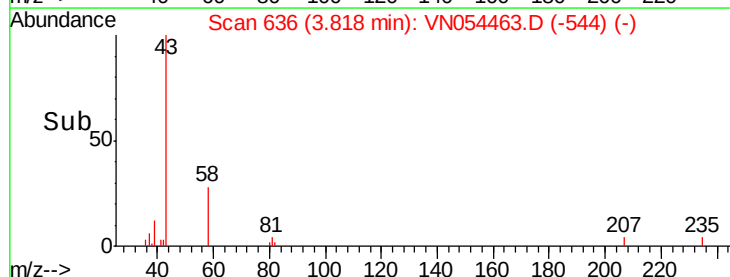
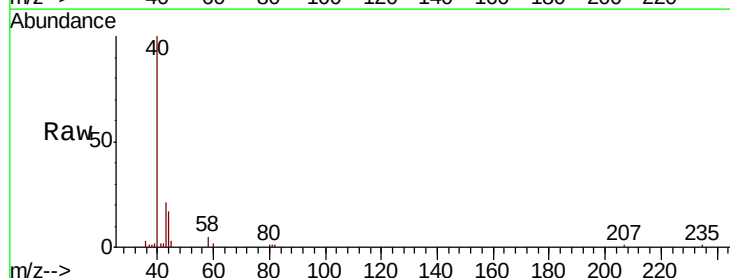
Instrument :
MSVOA_N
ClientSampleId :

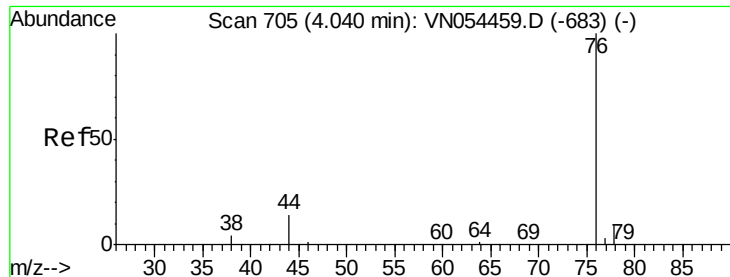
Tgt Ion: 53 Resp: 9891
Ion Ratio Lower Upper
53 100
52 51.8 66.4 99.6#
51 38.5 29.6 44.4



#16
Acetone
Concen: 6.602 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 43 Resp: 10893
Ion Ratio Lower Upper
43 100
58 27.0 29.9 44.9#





#17

Carbon Disulfide

Concen: 1.147 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

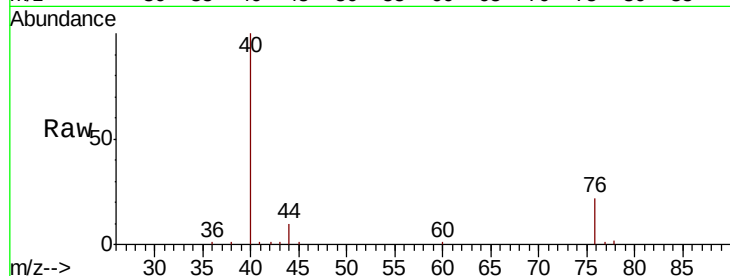
ClientSampled :

Tgt Ion: 76 Resp: 16214

Ion Ratio Lower Upper

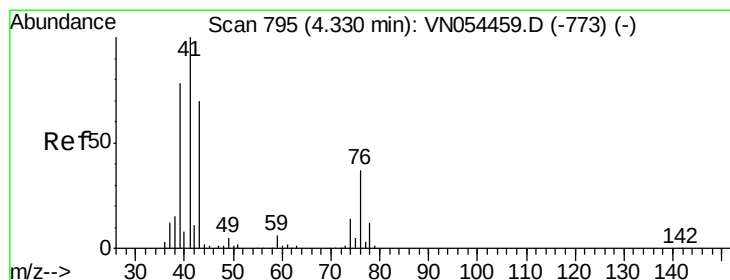
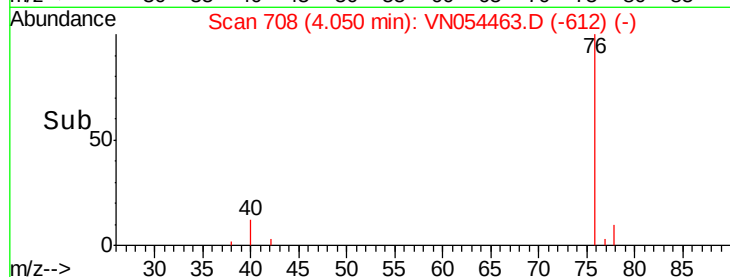
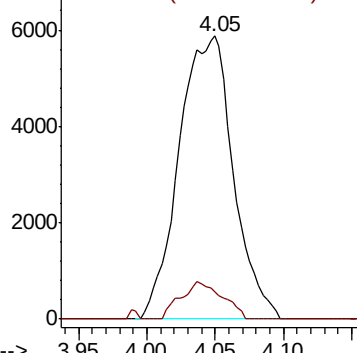
76 100

78 9.7 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: 0.785 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054463.D

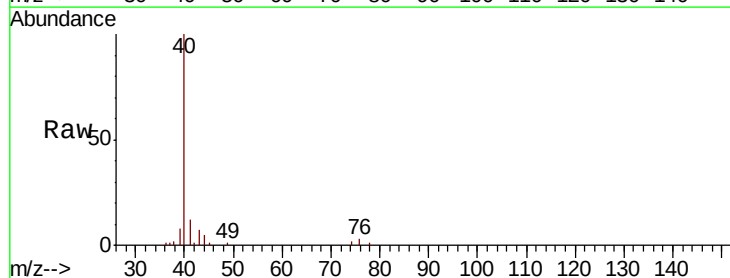
Acq: 20 Mar 2019 14:18

Tgt Ion: 43 Resp: 2621

Ion Ratio Lower Upper

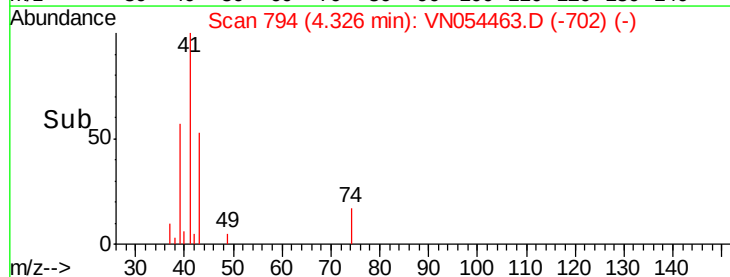
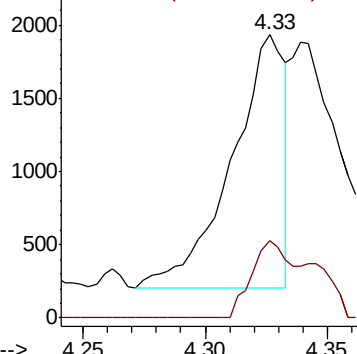
43 100

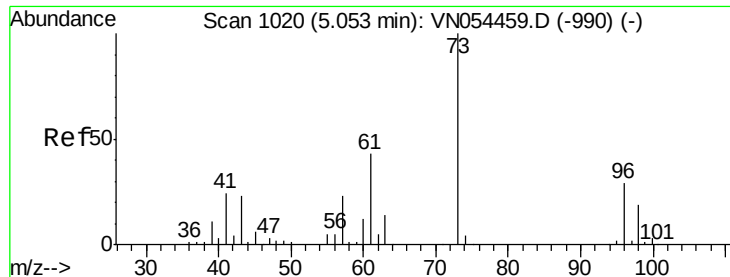
74 23.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

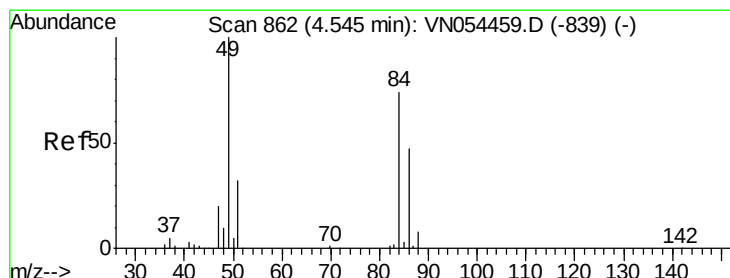
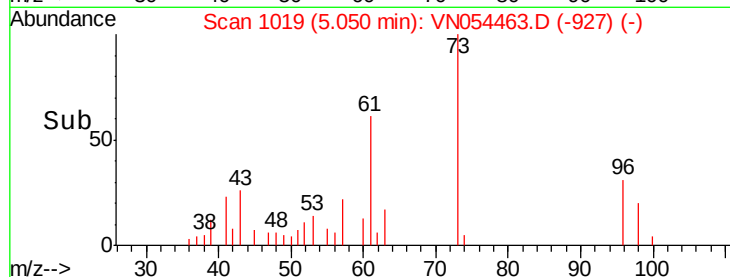
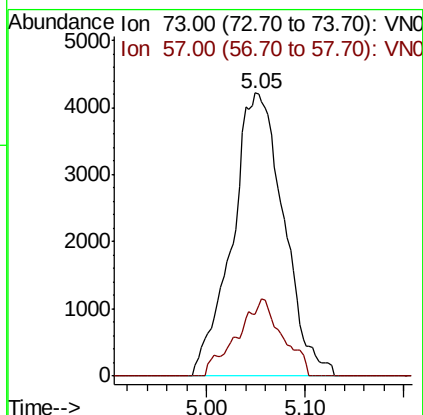
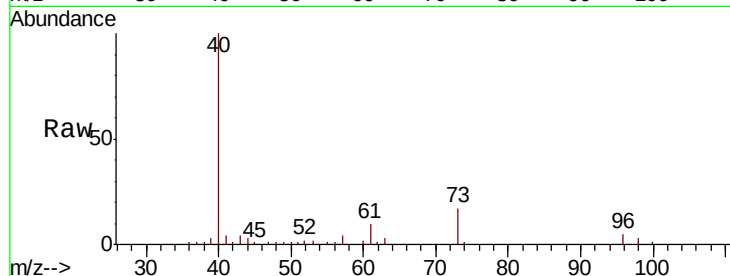




#19
Methyl tert-butyl Ether
Concen: 1.093 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

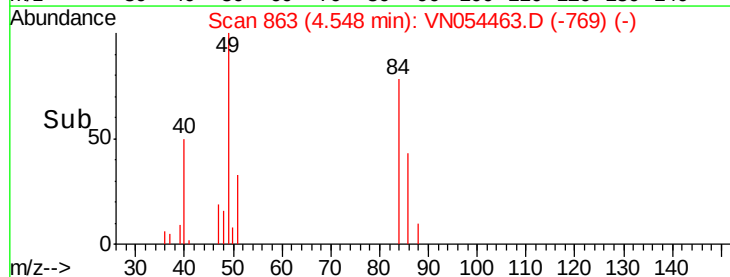
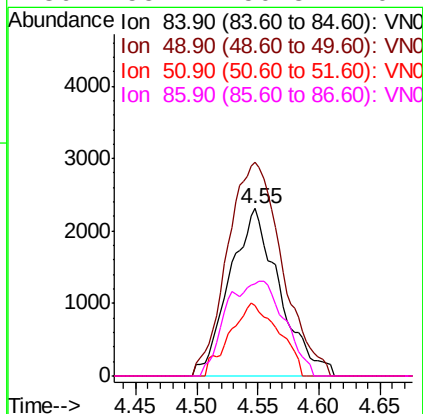
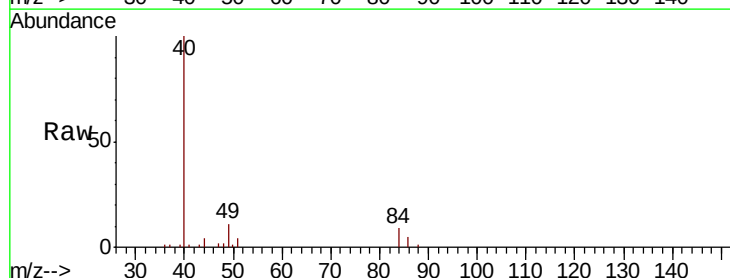
Instrument :
MSVOA_N
ClientSampled :

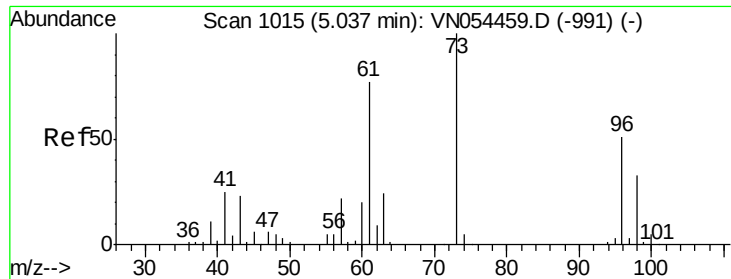
Tgt Ion: 73 Resp: 15270
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2



#20
Methylene Chloride
Concen: 1.216 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 84 Resp: 6586
Ion Ratio Lower Upper
84 100
49 127.7 89.7 134.5
51 42.4 28.2 42.4#
86 55.4 50.8 76.2

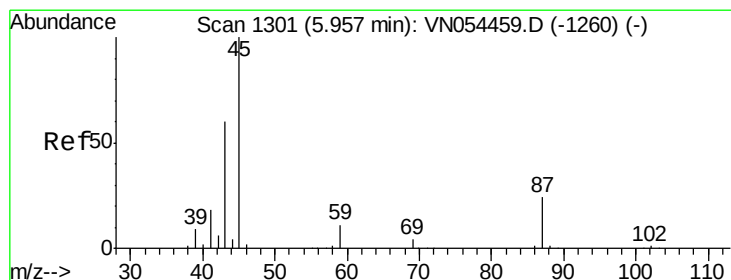
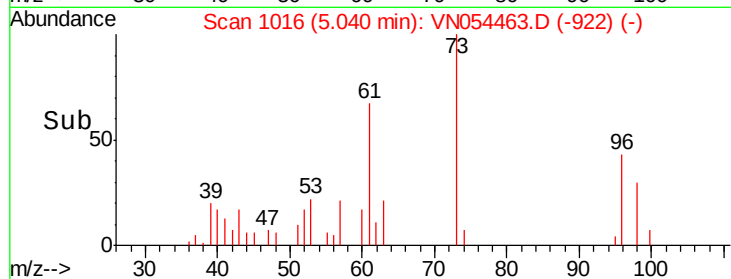
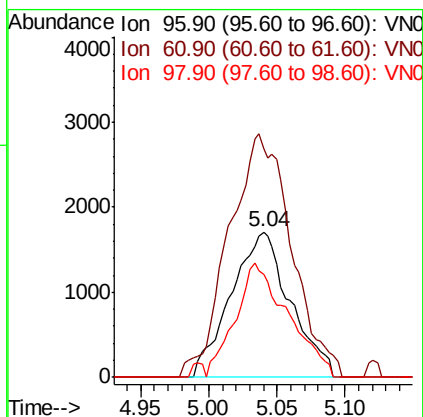
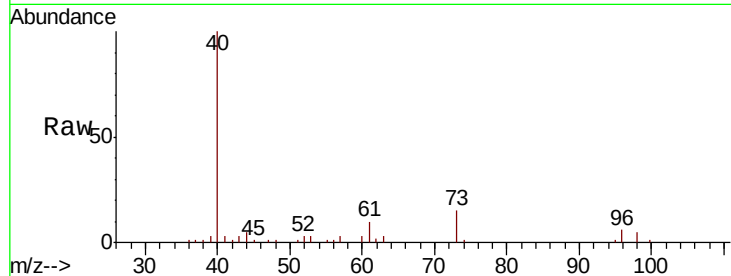




#21
trans-1,2-Dichloroethene
Concen: 0.957 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

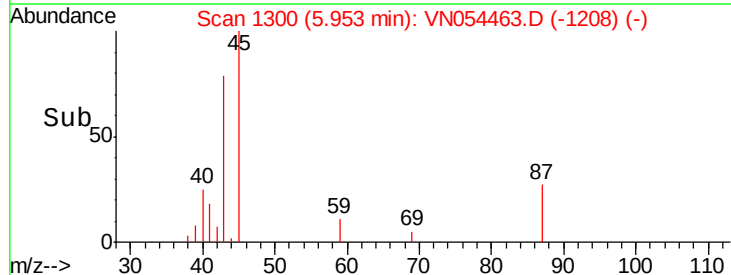
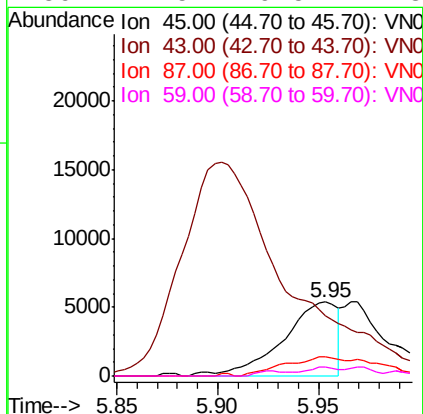
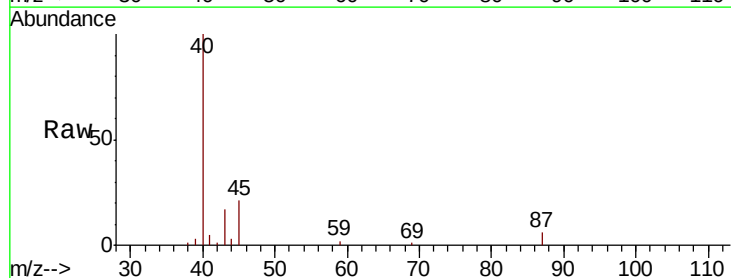
Instrument :
MSVOA_N
ClientSampled :

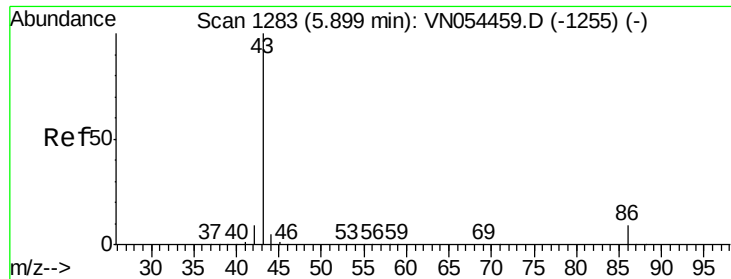
Tgt Ion: 96 Resp: 5168
Ion Ratio Lower Upper
96 100
61 146.0 102.8 154.2
98 70.5 50.0 75.0



#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 45 Resp: 10153
Ion Ratio Lower Upper
45 100
43 9.7 48.2 72.2#
87 26.8 24.9 37.3
59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 5.498 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

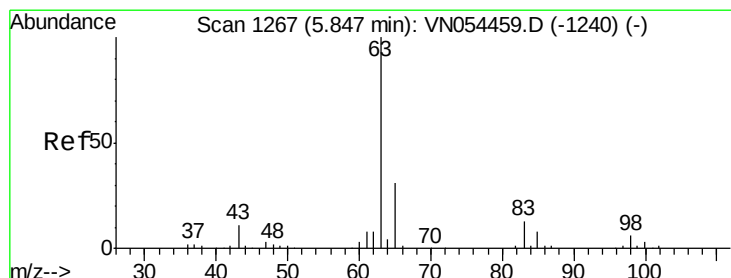
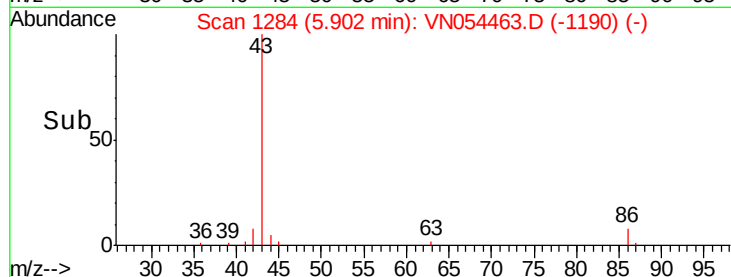
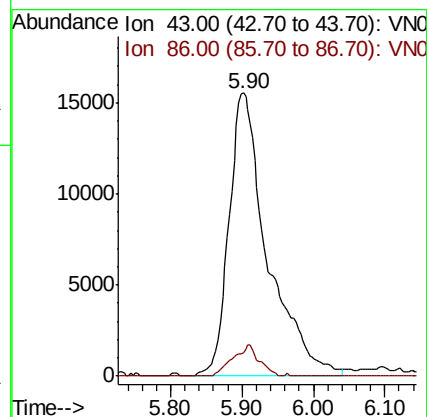
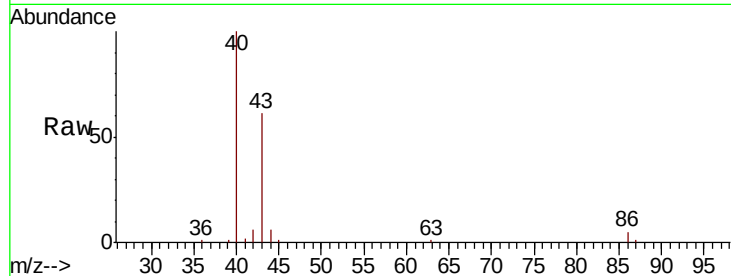
ClientSampleId :

Tgt Ion: 43 Resp: 58515

Ion Ratio Lower Upper

43 100

86 8.2 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 1.110 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

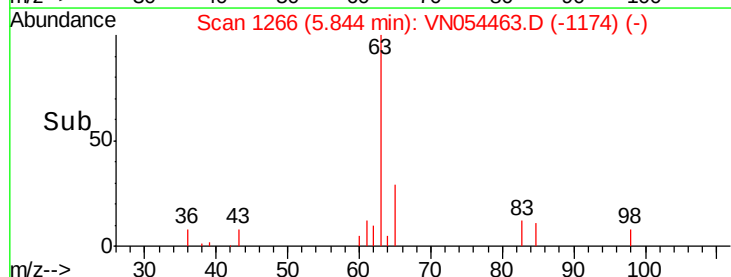
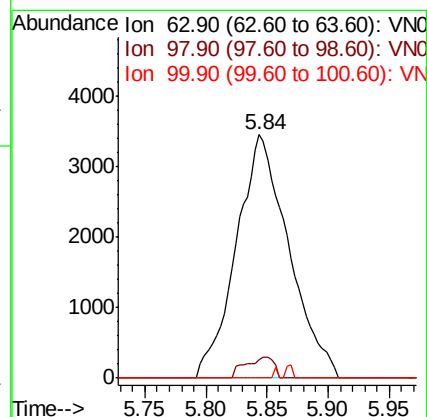
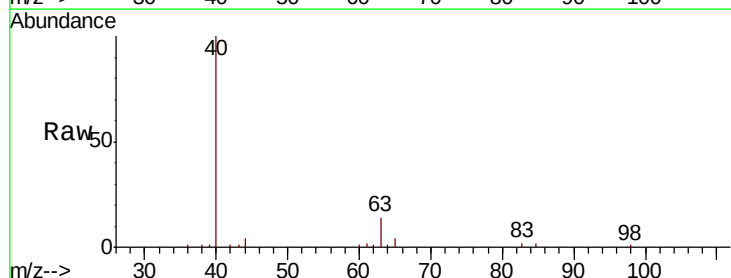
Tgt Ion: 63 Resp: 10287

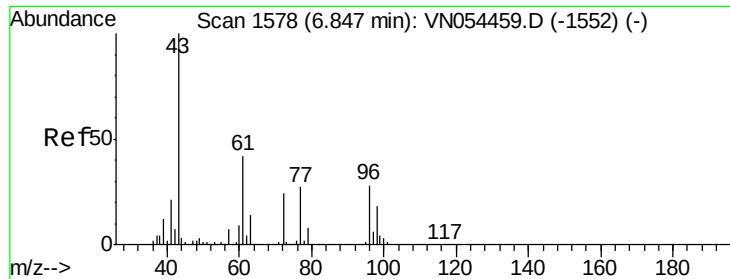
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 5.224 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

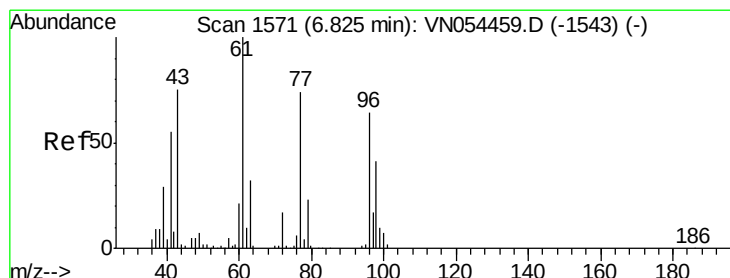
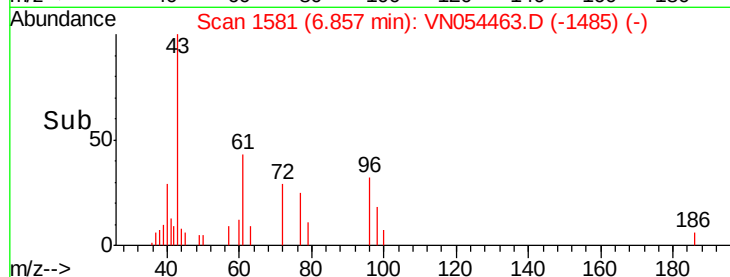
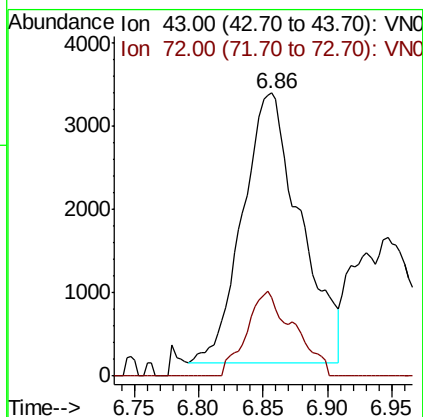
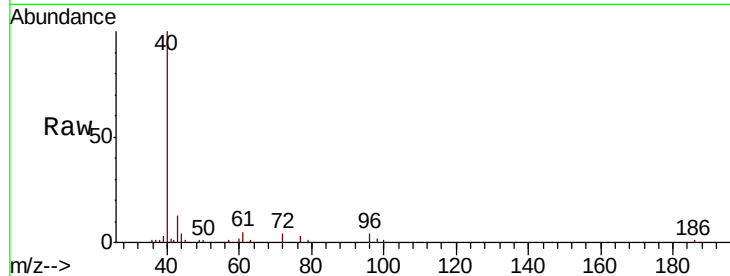
ClientSampled :

Tgt Ion: 43 Resp: 10116

Ion Ratio Lower Upper

43 100

72 29.0 23.0 34.6



#26

2,2-Dichloropropane

Concen: 0.894 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN054463.D

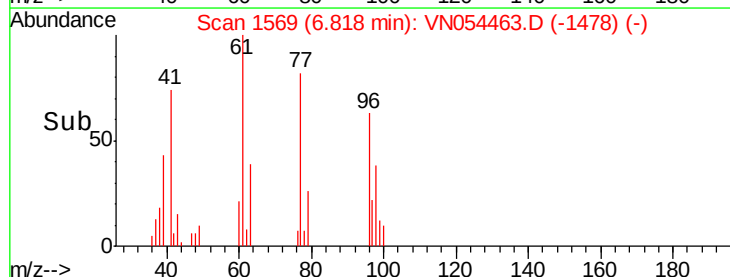
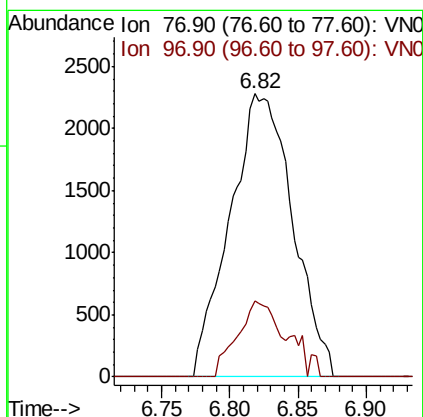
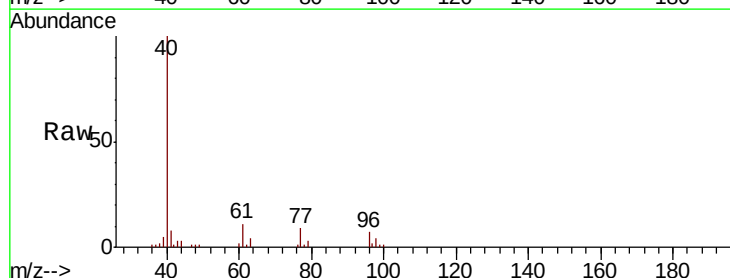
Acq: 20 Mar 2019 14:18

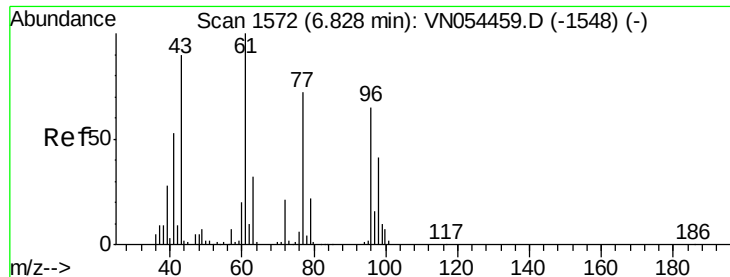
Tgt Ion: 77 Resp: 7286

Ion Ratio Lower Upper

77 100

97 17.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 1.086 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :

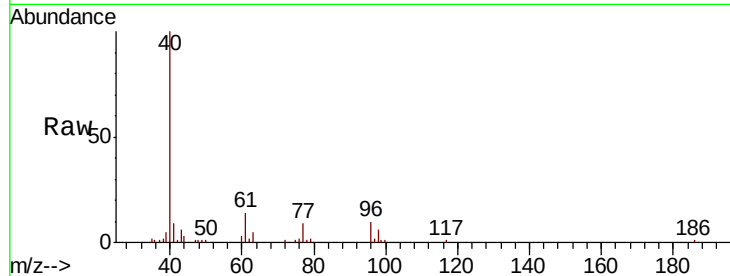
Tgt Ion: 96 Resp: 6544

Ion Ratio Lower Upper

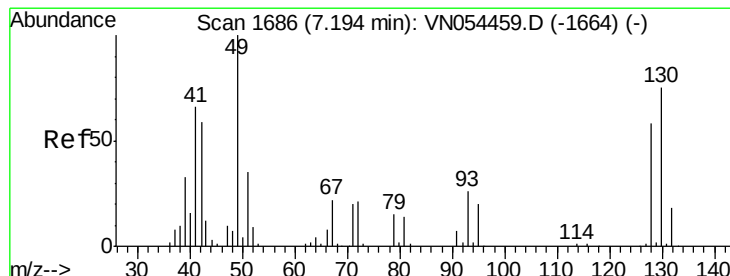
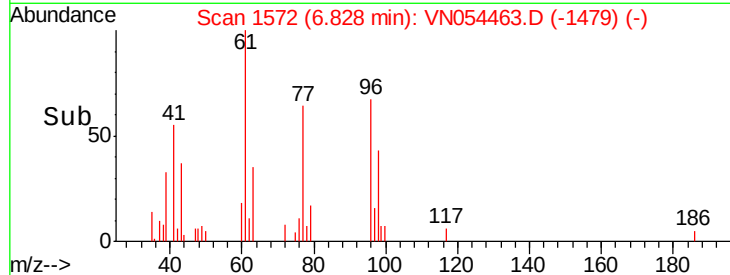
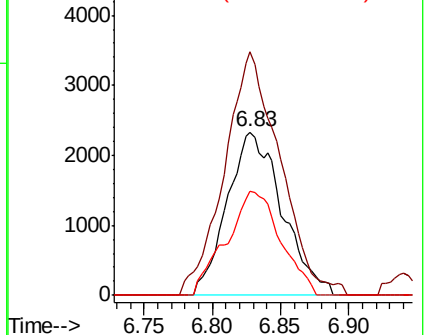
96 100

61 150.6 0.0 273.0

98 63.0 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: 1.324 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

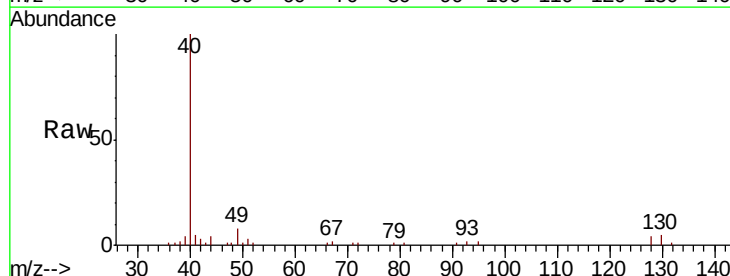
Tgt Ion: 49 Resp: 5015

Ion Ratio Lower Upper

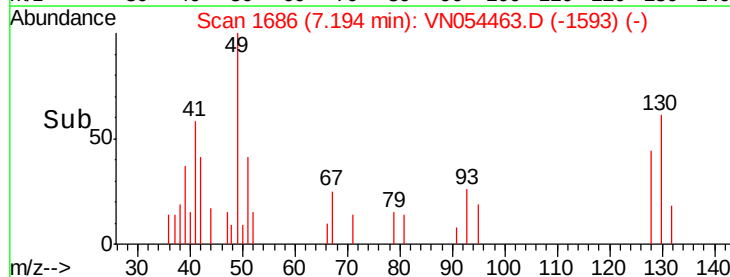
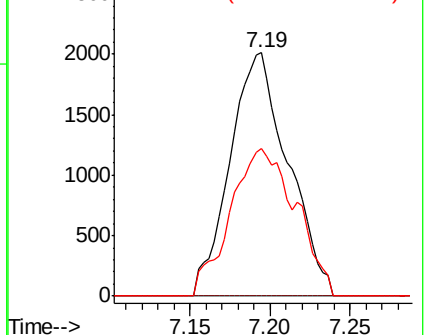
49 100

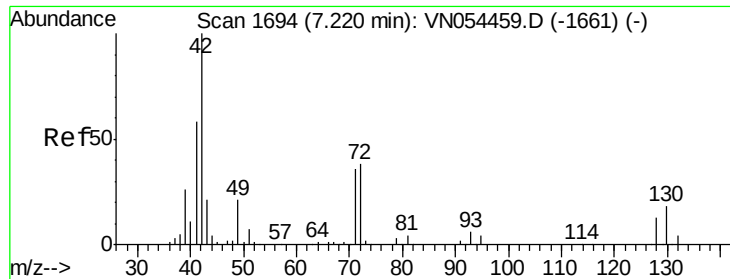
129 0.0 0.0 4.6

130 68.4 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

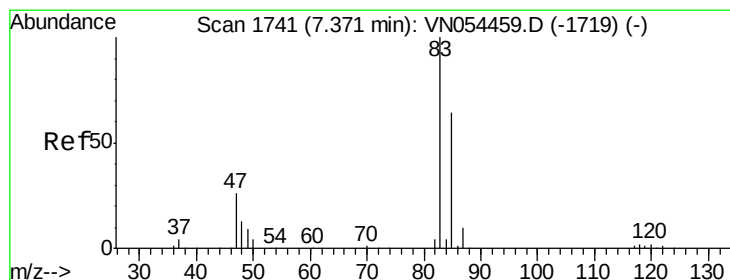
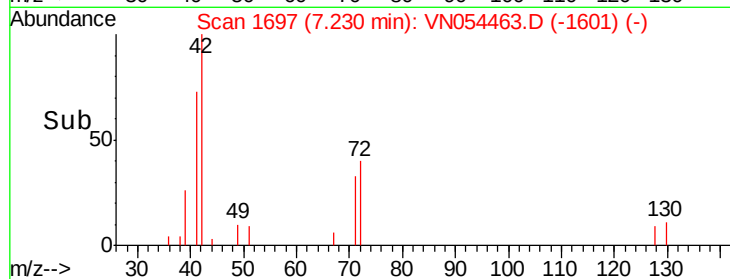
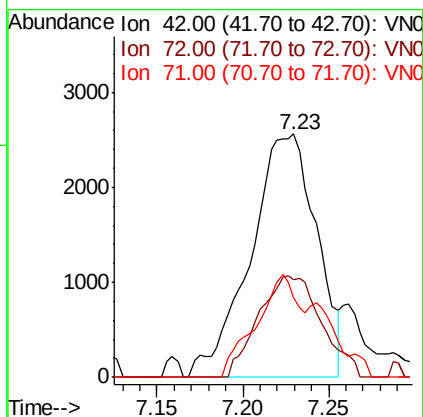
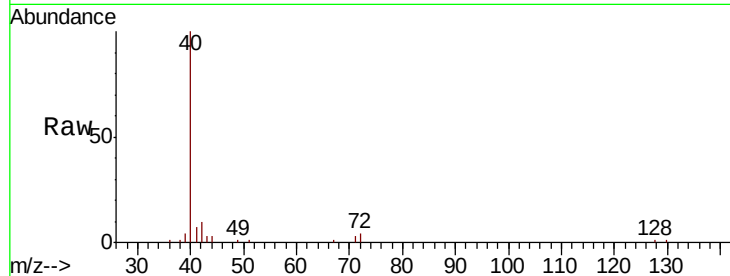




#29
Tetrahydrofuran
Concen: 5.508 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

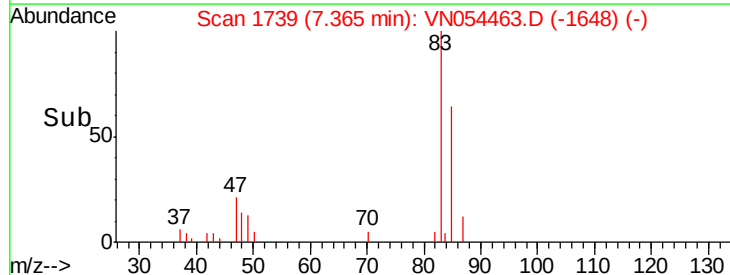
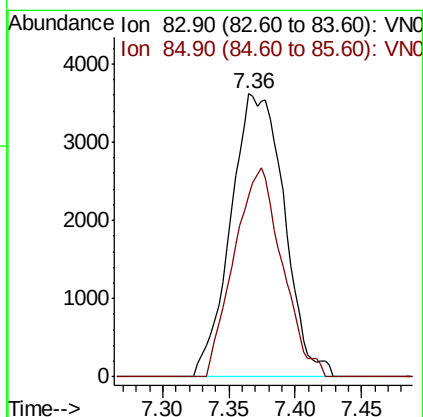
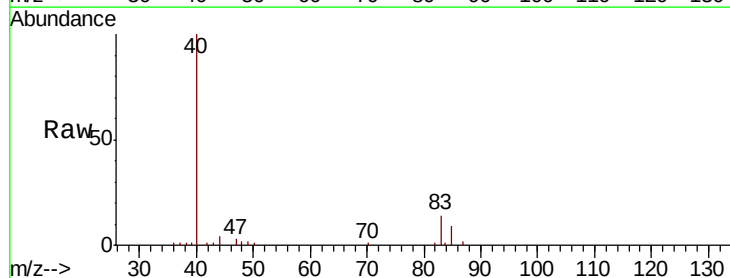
Instrument :
MSVOA_N
ClientSampled :

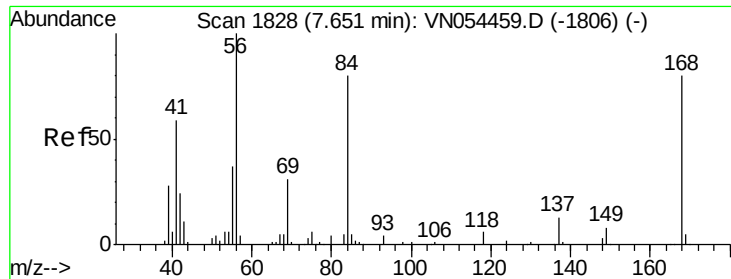
Tgt Ion: 42 Resp: 6858
Ion Ratio Lower Upper
42 100
72 39.6 37.8 56.6
71 27.6 36.2 54.2#



#30
Chloroform
Concen: 1.052 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 83 Resp: 10172
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4

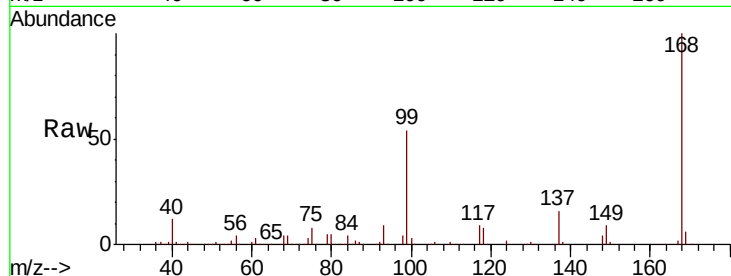




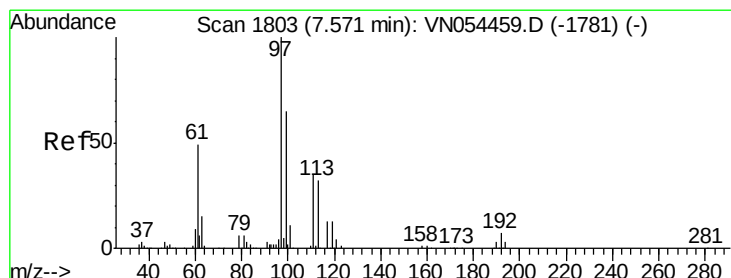
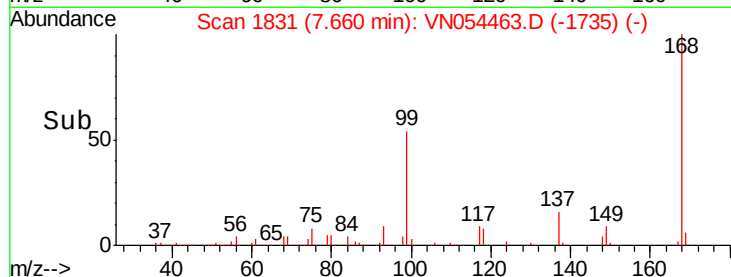
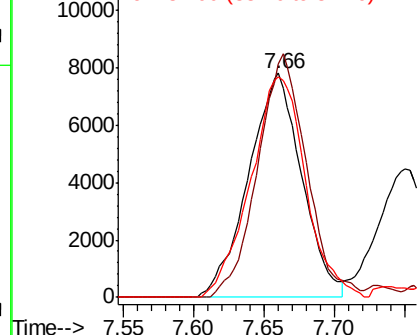
#31
Cyclohexane
Concen: 2.057 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 20518
Ion Ratio Lower Upper
56 100
69 104.4 27.8 41.6#
84 98.4 74.6 111.8

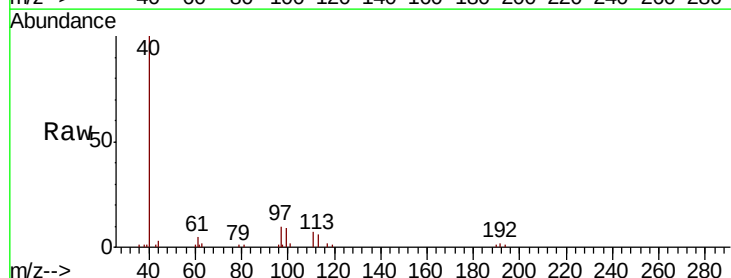


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

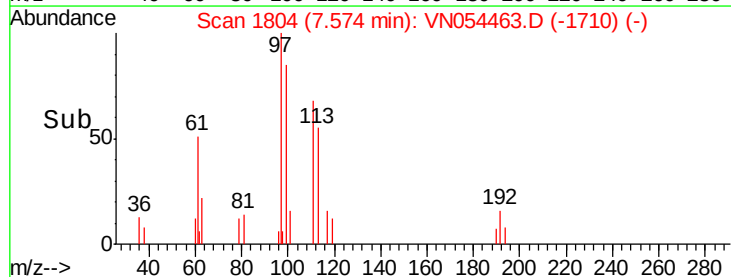
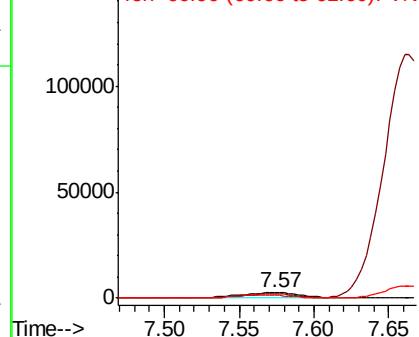


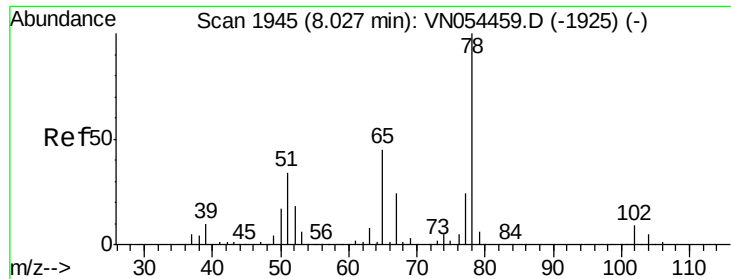
#32
1,1,1-Trichloroethane
Concen: 0.834 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 97 Resp: 7287
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 53.5 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

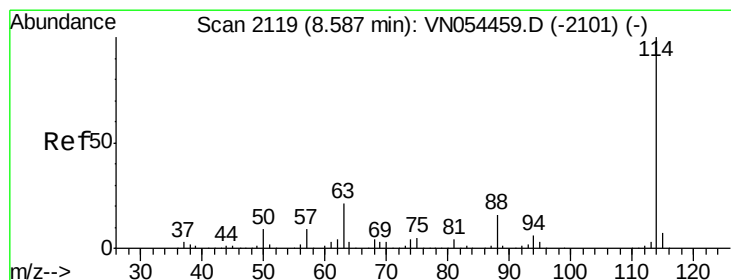
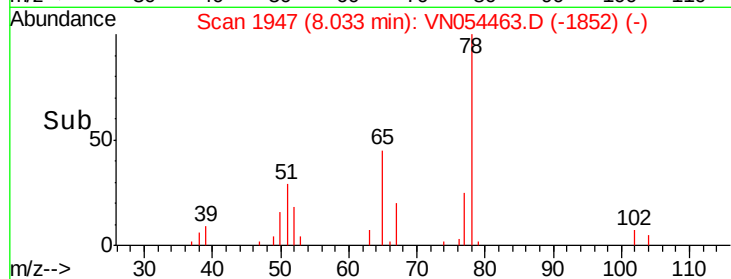
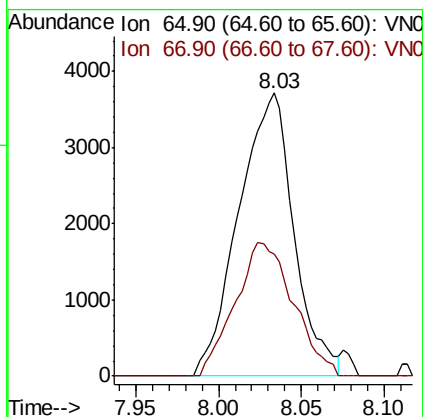
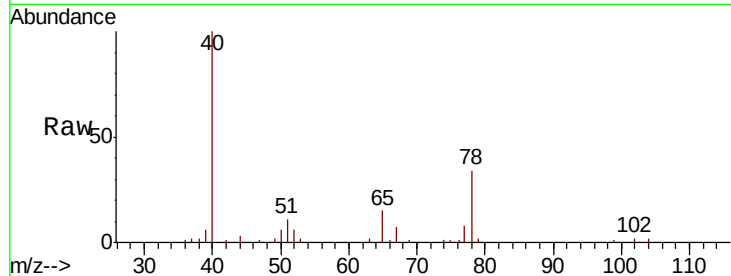




#33
 1,2-Dichloroethane-d4
 Concen: 1.496 ug/l
 RT: 8.03 min Scan# 1947
 Delta R.T. 0.01 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

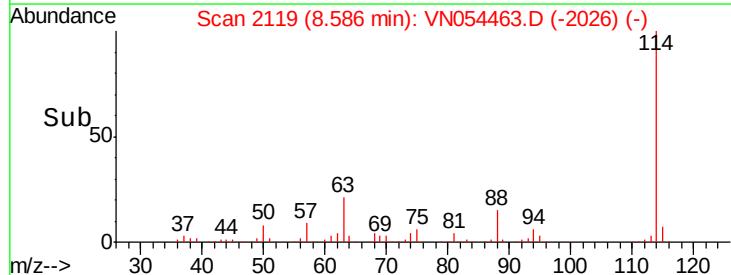
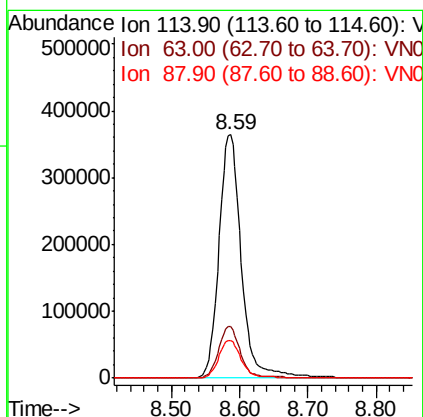
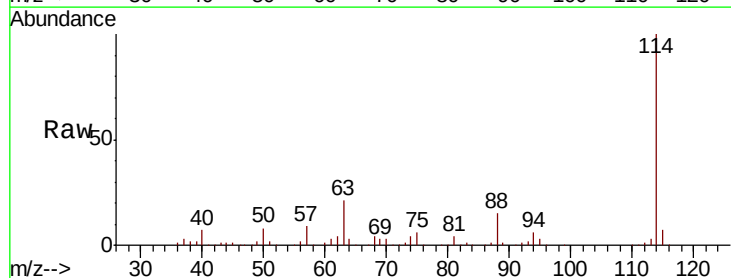
Instrument :
 MSVOA_N
 ClientSampled :

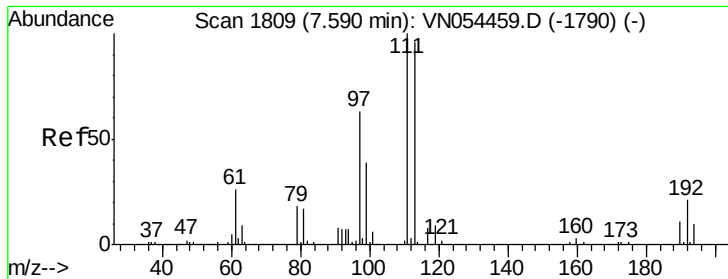
Tgt Ion: 65 Resp: 8619
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 114 Resp: 831129
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 35.2
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 1.167 ug/l

RT: 7.59 min Scan# 1809

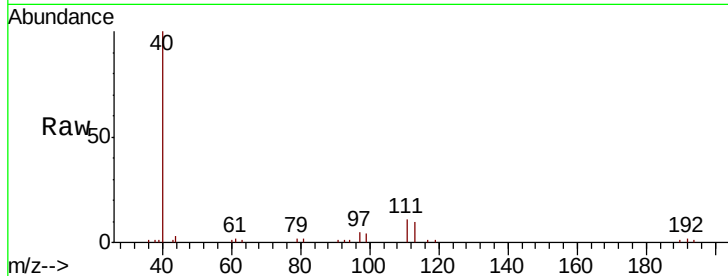
Delta R.T. -0.00 min

Lab File: VN054463.D

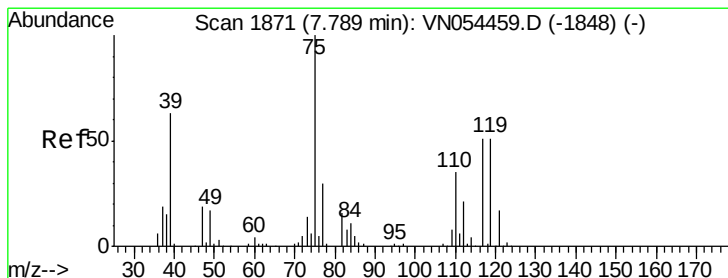
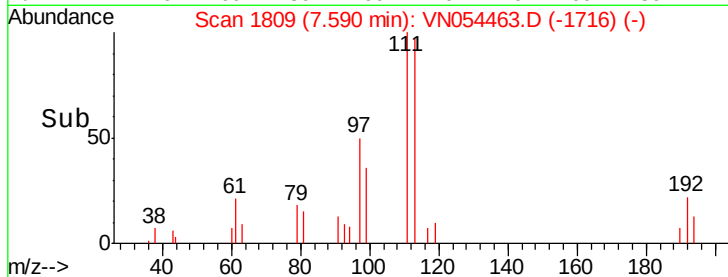
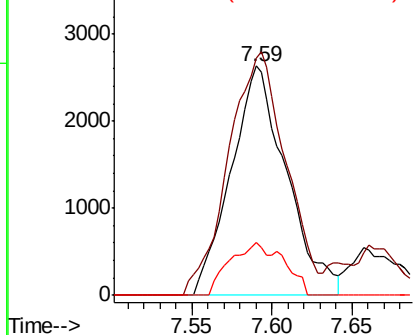
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	113	Resp:	6258
Ion	Ratio	Lower	Upper
113	100		
111	109.3	82.2	123.4
192	22.3	19.2	28.8



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



#36

1,1-Dichloropropene

Concen: 1.135 ug/l

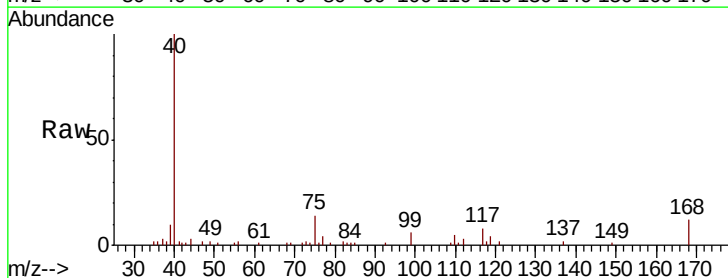
RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

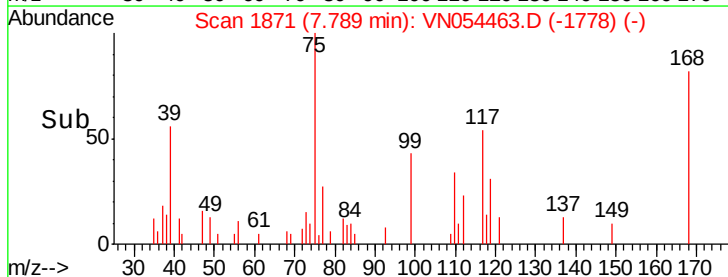
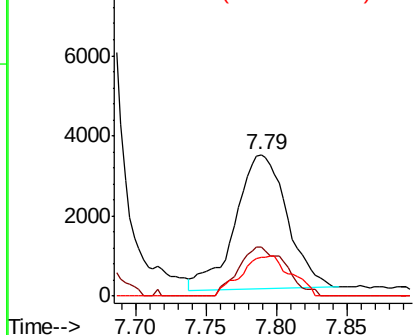
Lab File: VN054463.D

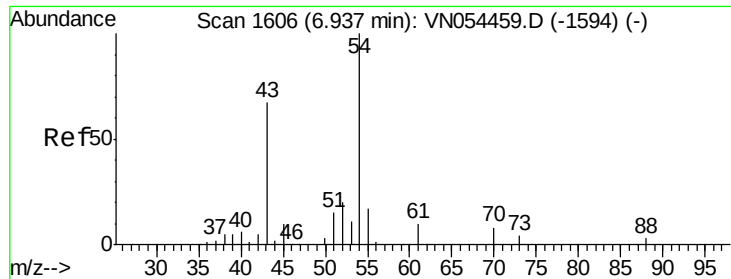
Acq: 20 Mar 2019 14:18

Tgt Ion:	75	Resp:	8686
Ion	Ratio	Lower	Upper
75	100		
110	33.2	19.1	57.5
77	28.4	25.0	37.4



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

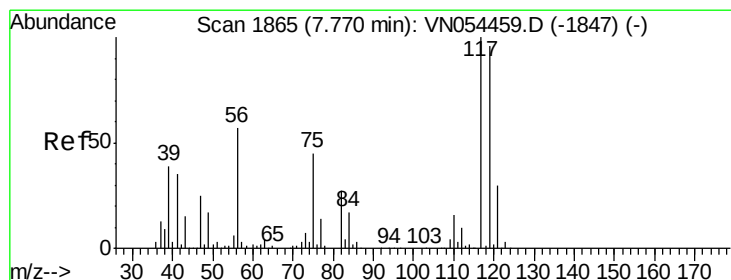
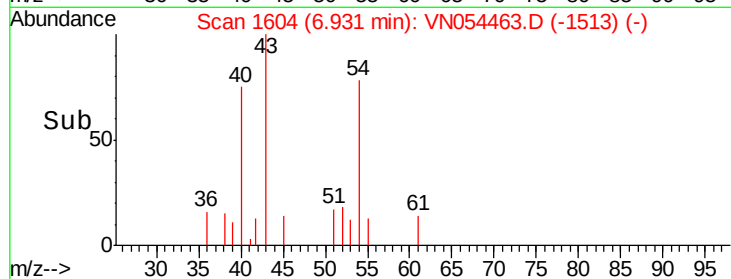
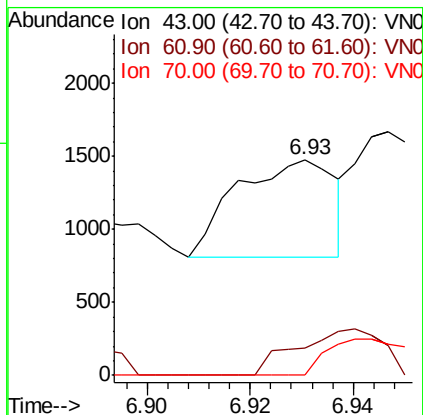
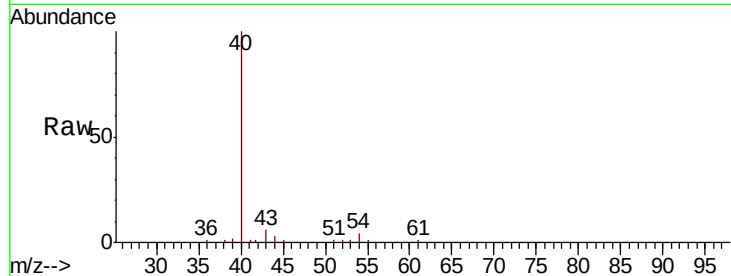




#37
Ethyl Acetate
 Concen: 0.202 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

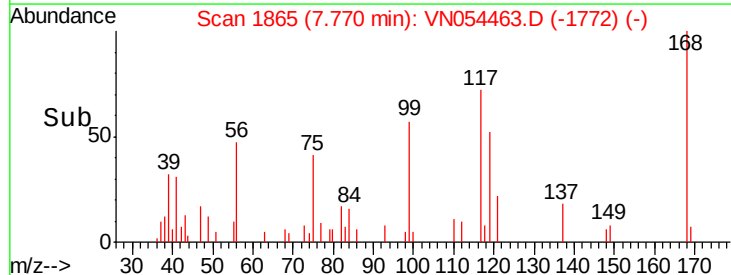
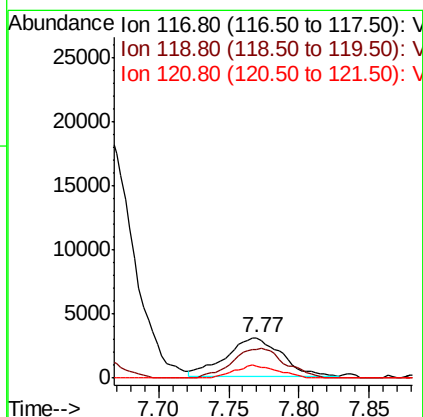
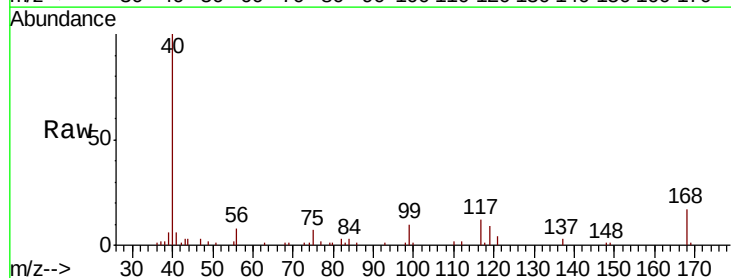
Instrument :
 MSVOA_N
 ClientSampled :

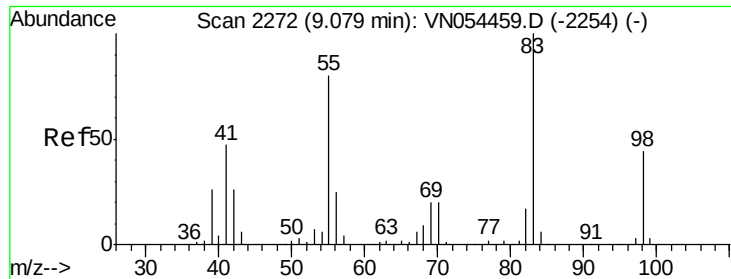
Tgt Ion: 43 Resp: 887
 Ion Ratio Lower Upper
 43 100
 61 40.7 11.8 17.6#
 70 31.5 8.4 12.6#



#38
Carbon Tetrachloride
 Concen: 1.045 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 117 Resp: 8389
 Ion Ratio Lower Upper
 117 100
 119 76.5 76.3 114.5
 121 32.3 24.6 36.8

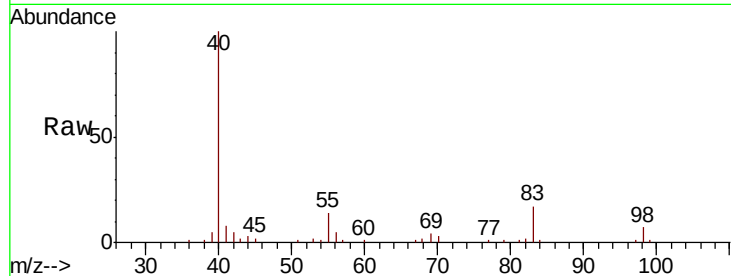




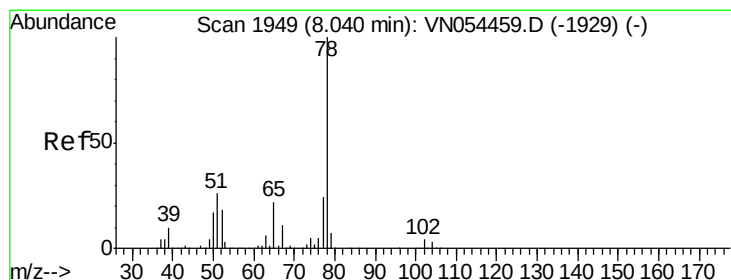
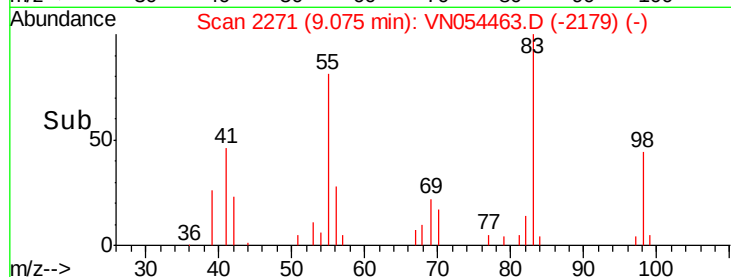
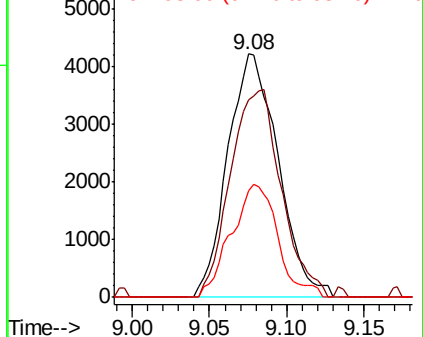
#39
Methylcyclohexane
Concen: 1.013 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 83 Resp: 9544
Ion Ratio Lower Upper
83 100
55 81.2 56.6 84.8
98 43.5 38.4 57.6

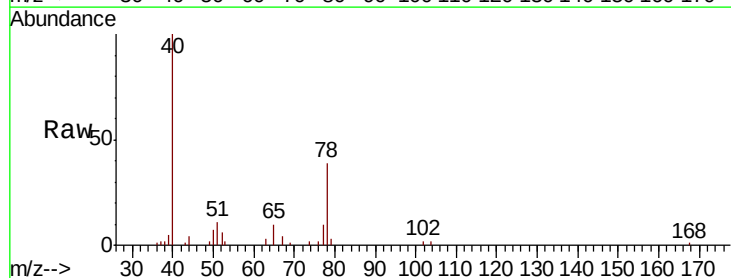


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

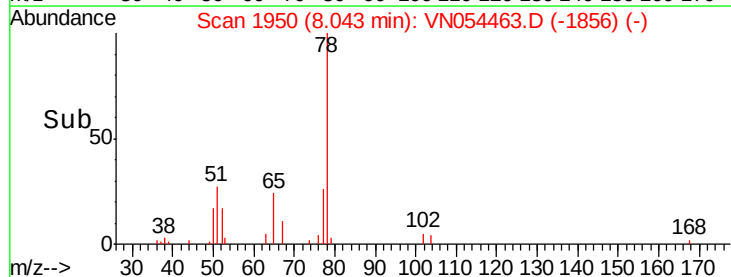
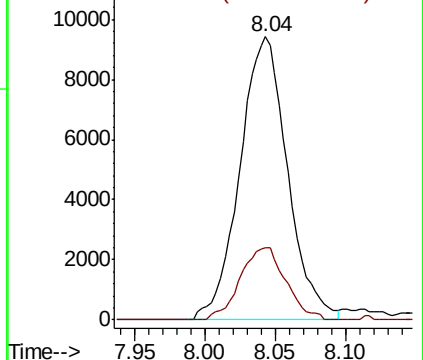


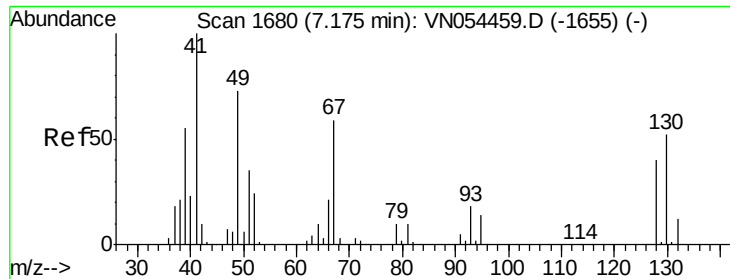
#40
Benzene
Concen: 1.016 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 78 Resp: 22254
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7



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

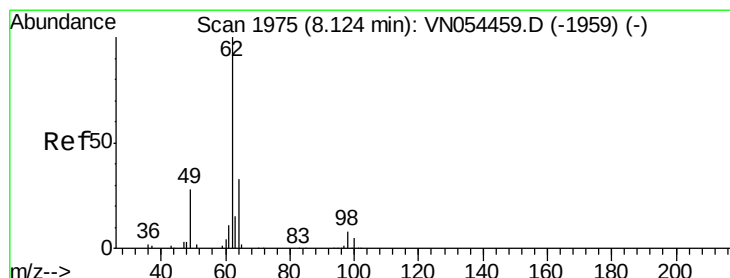
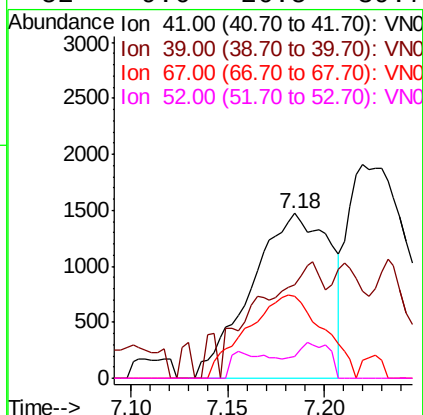
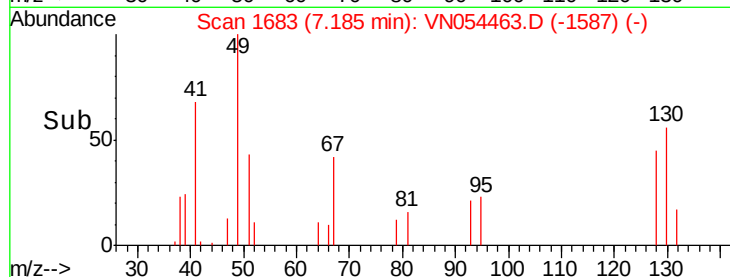
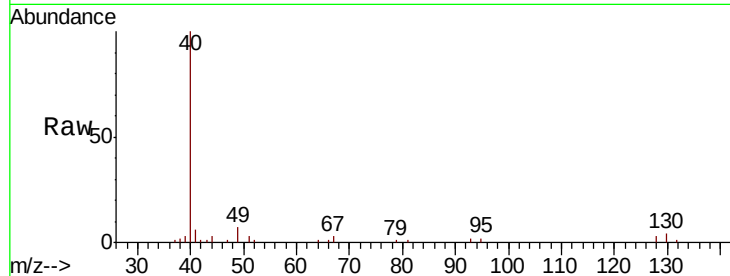




#41
Methacrylonitrile
Concen: 1.656 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

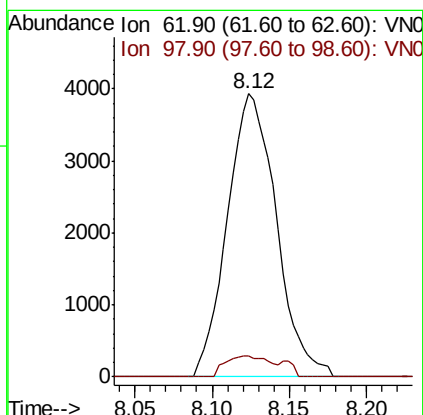
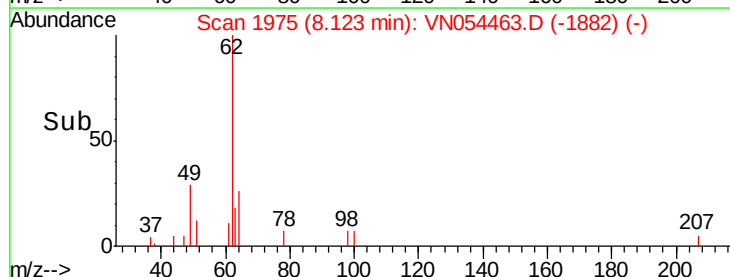
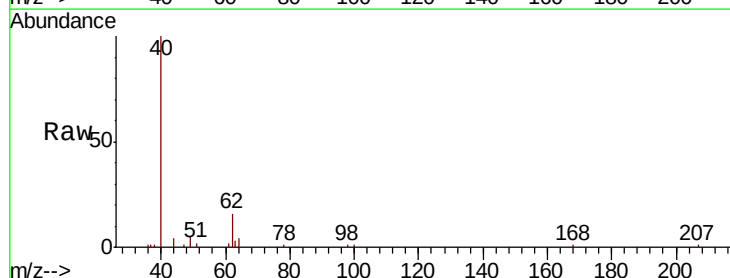
Instrument :
MSVOA_N
ClientSampled :

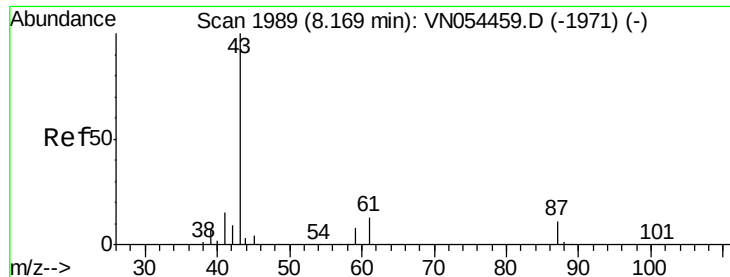
Tgt Ion: 41 Resp: 4159
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 49.1 67.0 100.4#
52 9.6 26.5 39.7#



#42
1,2-Dichloroethane
Concen: 1.171 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 62 Resp: 8658
Ion Ratio Lower Upper
62 100
98 6.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 1.102 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

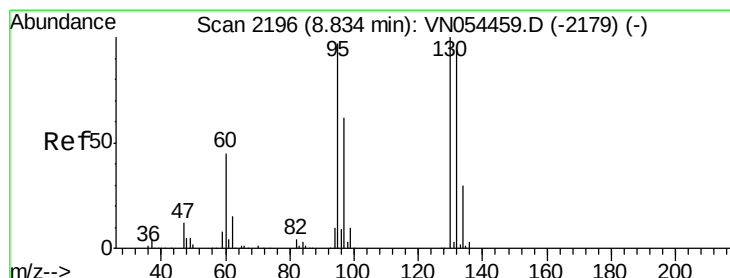
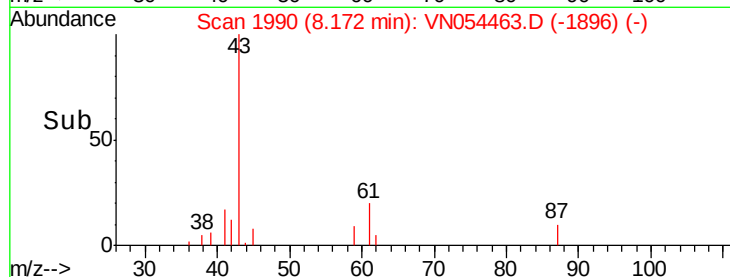
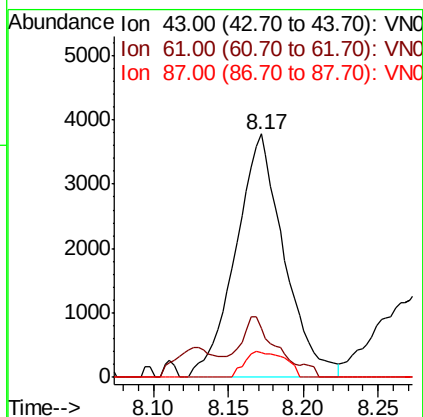
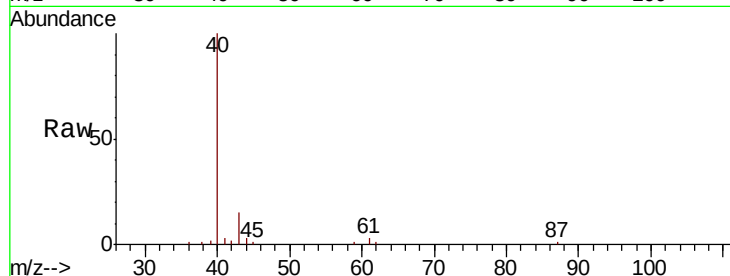
Tgt Ion: 43 Resp: 8507

Ion Ratio Lower Upper

43 100

61 18.9 15.8 23.8

87 8.7 12.0 18.0#



#44

Trichloroethene

Concen: 0.955 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054463.D

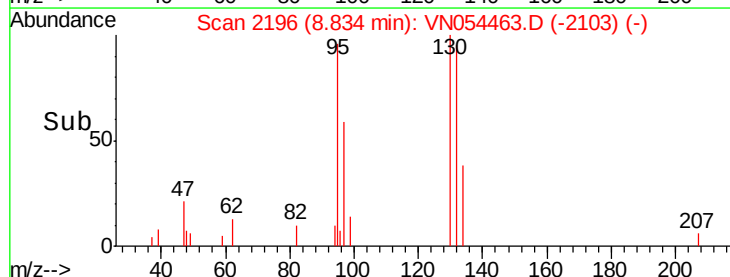
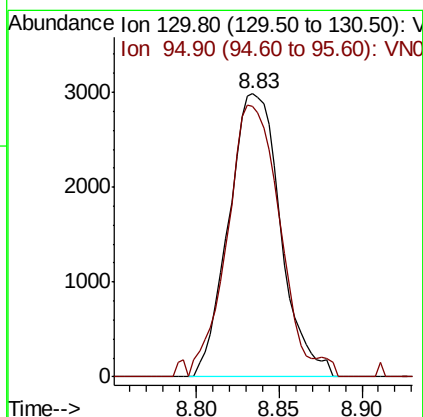
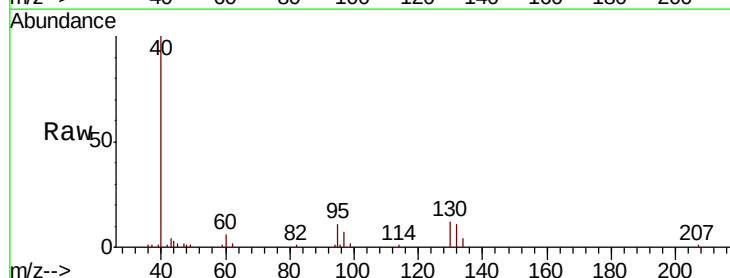
Acq: 20 Mar 2019 14:18

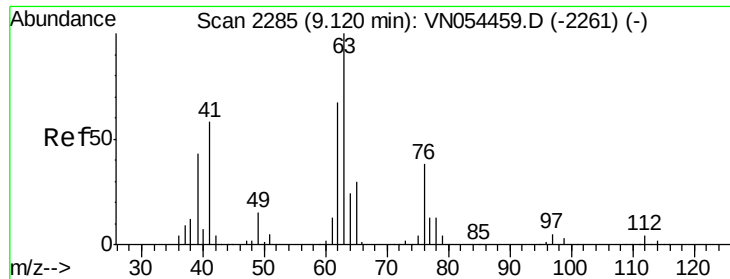
Tgt Ion: 130 Resp: 6495

Ion Ratio Lower Upper

130 100

95 95.8 0.0 185.2

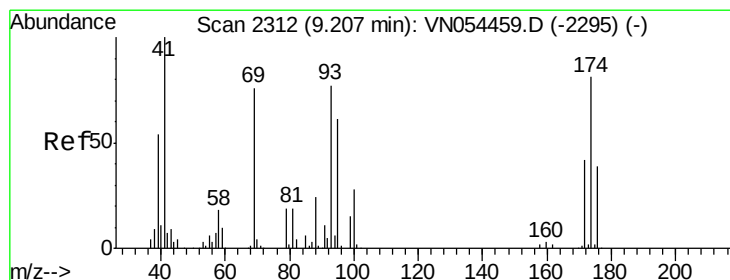
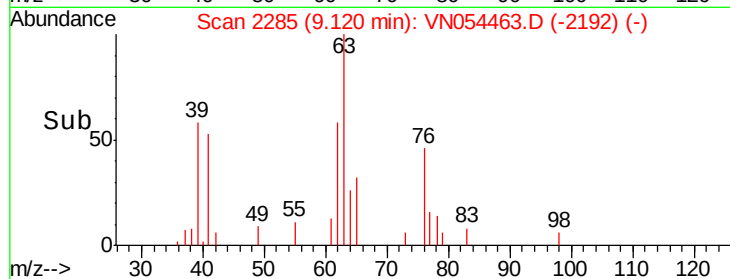
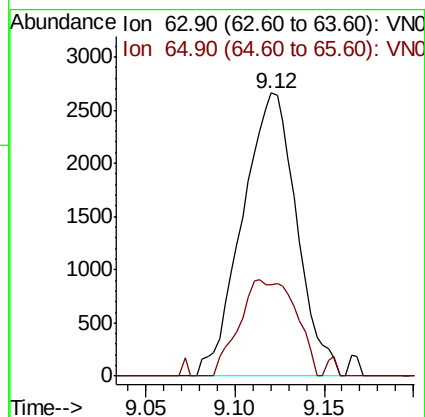
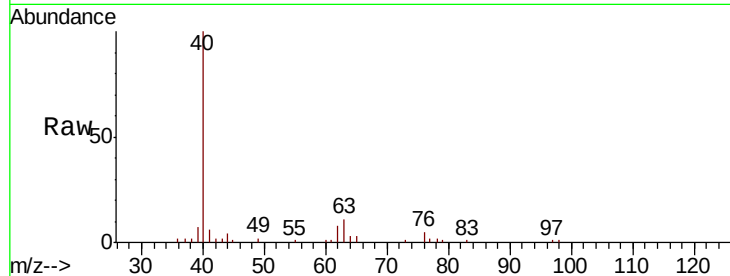




#45
 1,2-Dichloropropane
 Concen: 1.040 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

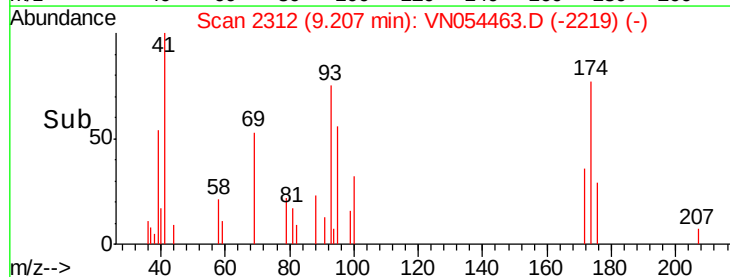
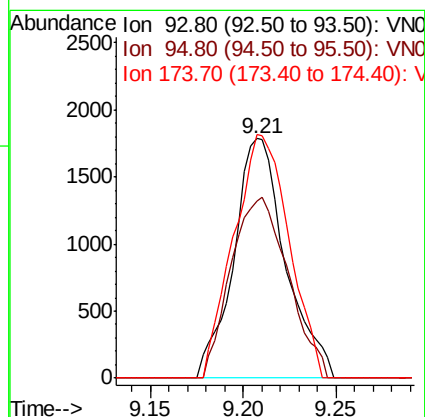
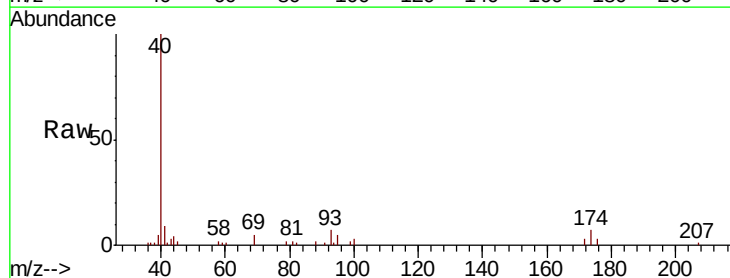
Instrument :
 MSVOA_N
 ClientSampleId :

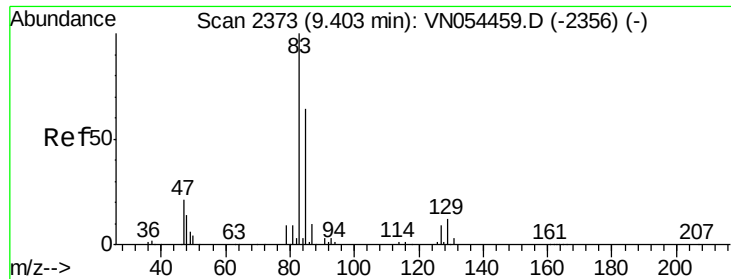
Tgt Ion: 63 Resp: 5655
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6



#46
 Dibromomethane
 Concen: 0.945 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 93 Resp: 3472
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 107.9 98.5 147.7





#47

Bromodichloromethane

Concen: 0.949 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

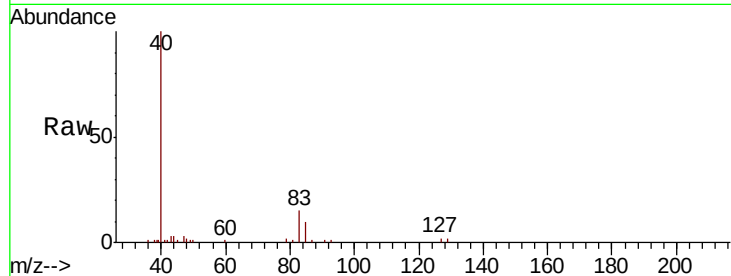
Tgt Ion: 83 Resp: 6991

Ion Ratio Lower Upper

83 100

85 64.0 52.8 79.2

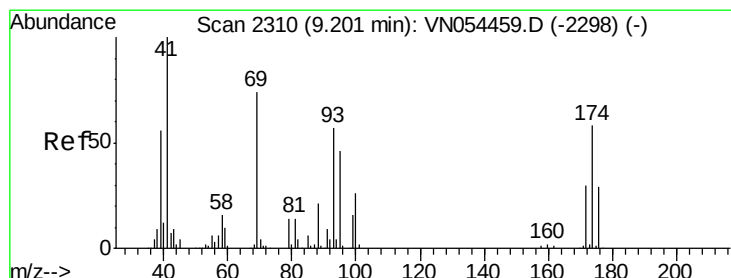
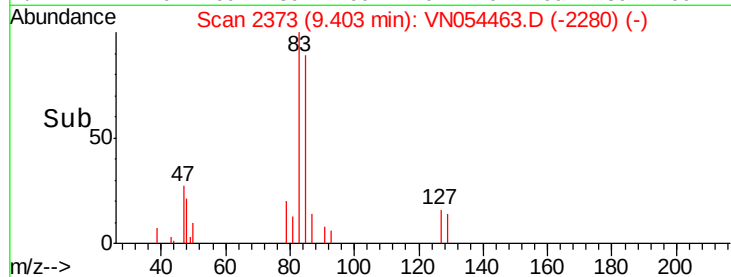
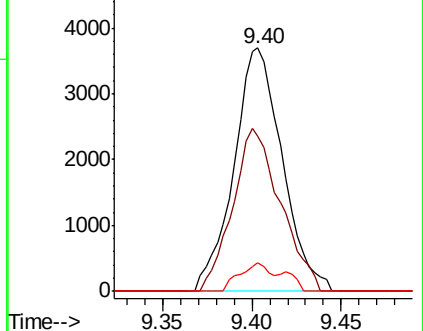
127 11.6 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VN054463.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054463.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054463.D (-2280) (-)



#48

Methyl methacrylate

Concen: 1.333 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

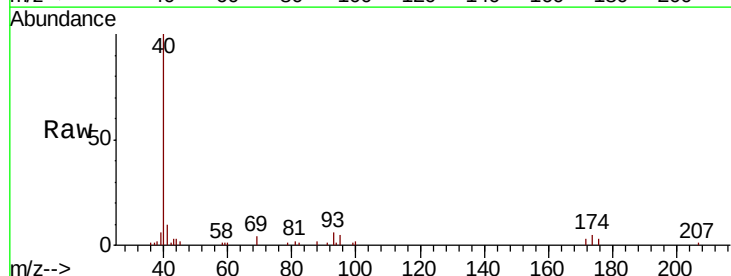
Tgt Ion: 41 Resp: 5224

Ion Ratio Lower Upper

41 100

69 56.3 72.6 108.8#

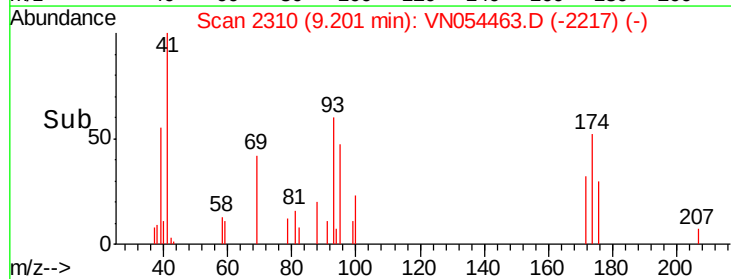
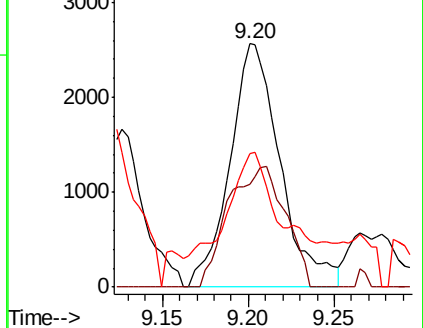
39 42.1 47.5 71.3#

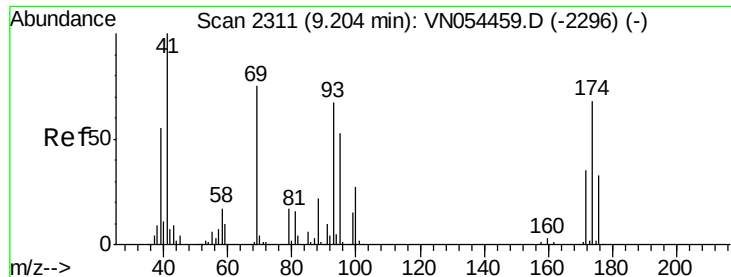


Abundance Ion 41.00 (40.70 to 41.70): VN054463.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054463.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054463.D (-2217) (-)





#49

1,4-Dioxane

Concen: 19.977 ug/l

RT: 9.20 min Scan# 2311

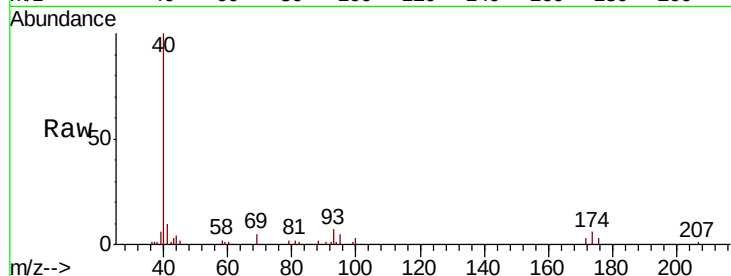
Delta R.T. -0.00 min

Lab File: VN054463.D

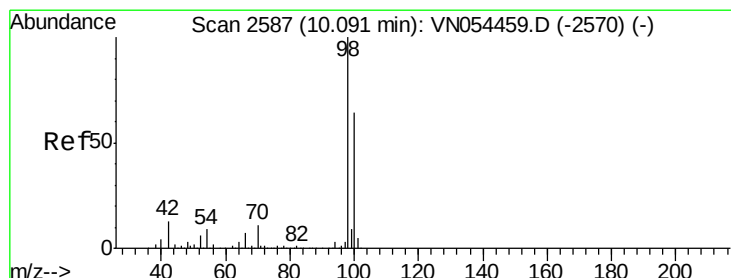
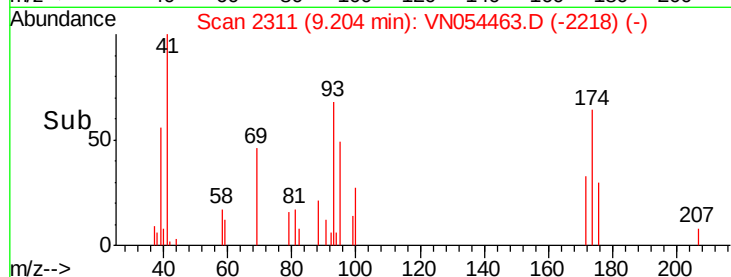
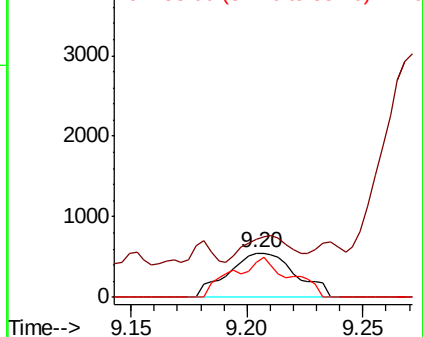
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 88 Resp: 1107
Ion Ratio Lower Upper
88 100
43 42.3 24.1 36.1#
58 77.4 50.8 76.2#



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



#50

Toluene-d8

Concen: 1.183 ug/l

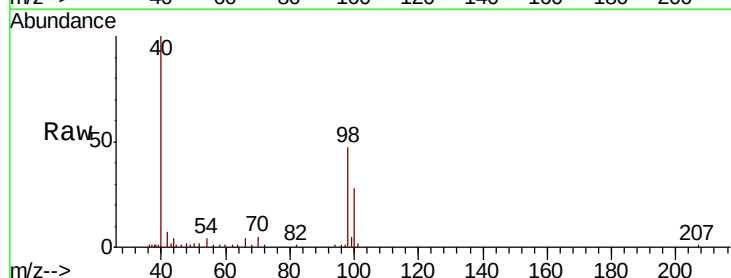
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

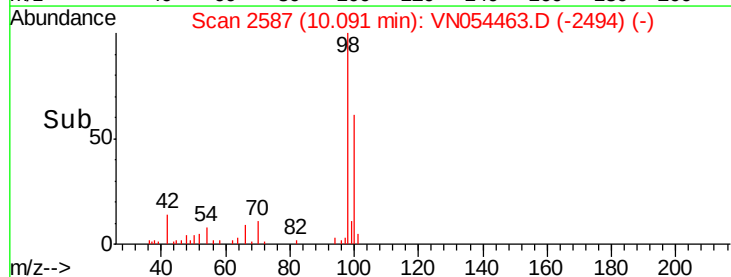
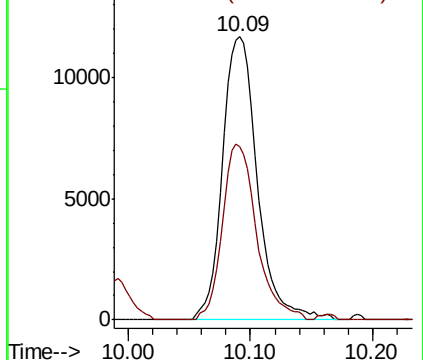
Lab File: VN054463.D

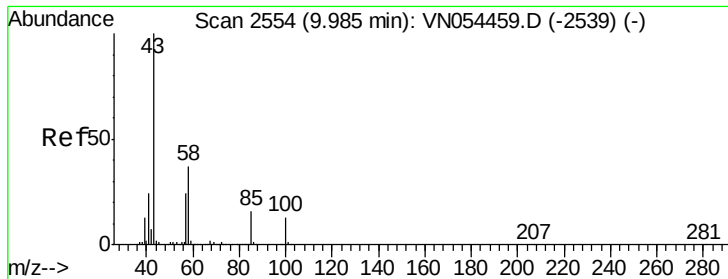
Acq: 20 Mar 2019 14:18

Tgt Ion: 98 Resp: 23412
Ion Ratio Lower Upper
98 100
100 60.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 5.381 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

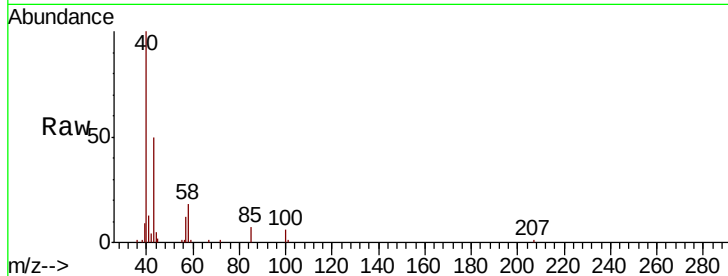
ClientSampled :

Tgt Ion: 43 Resp: 21984

Ion Ratio Lower Upper

43 100

58 36.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

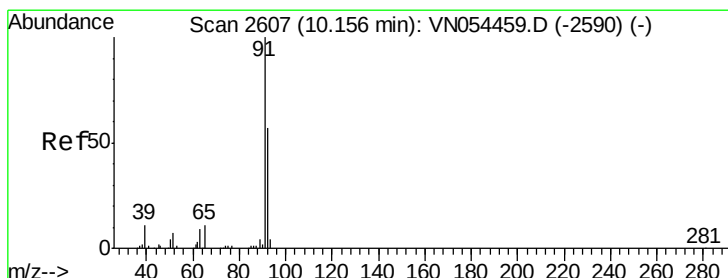
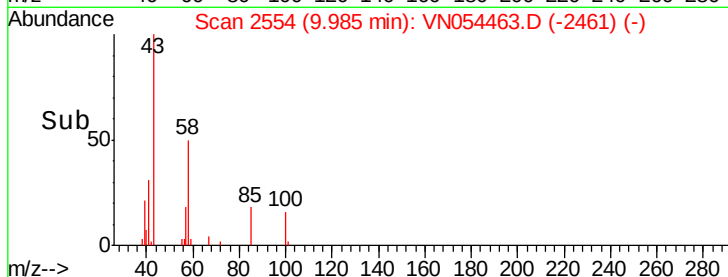
10000

5000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 0.978 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054463.D

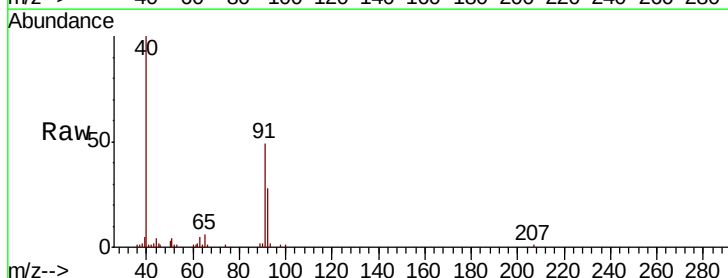
Acq: 20 Mar 2019 14:18

Tgt Ion: 92 Resp: 13584

Ion Ratio Lower Upper

92 100

91 171.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

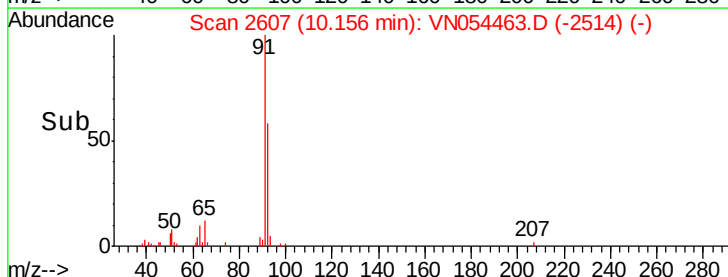
10000

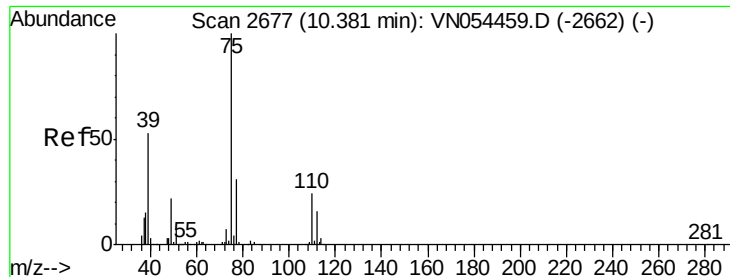
5000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 0.745 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

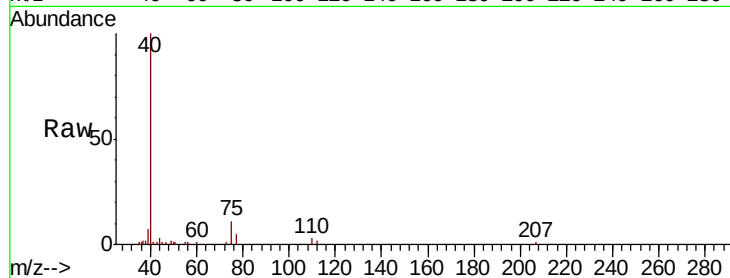
ClientSampleId :

Tgt Ion: 75 Resp: 5586

Ion Ratio Lower Upper

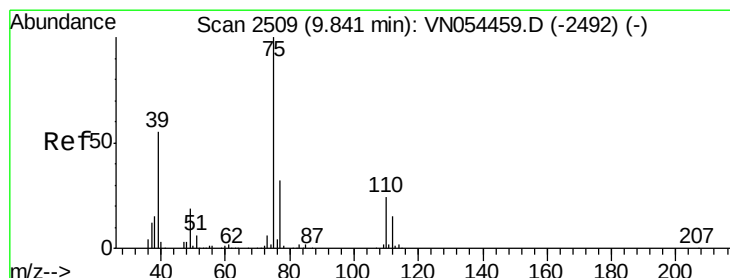
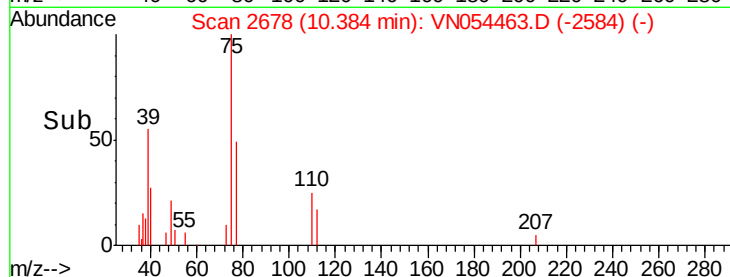
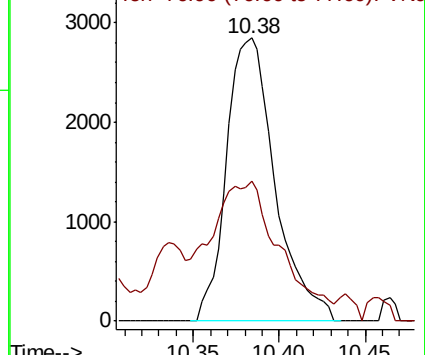
75 100

77 41.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.836 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

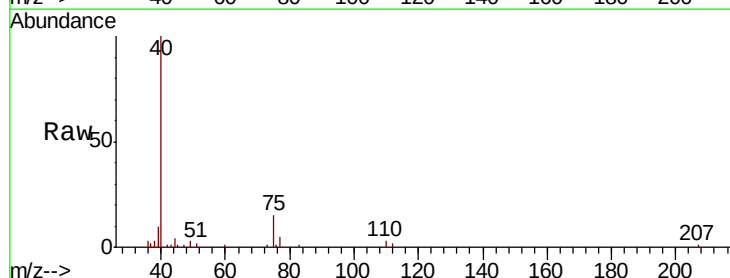
Tgt Ion: 75 Resp: 7177

Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.0

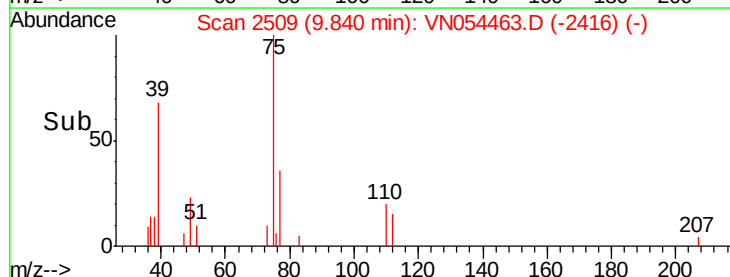
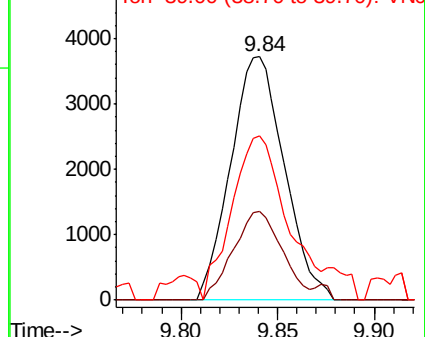
39 58.7 37.2 55.8#

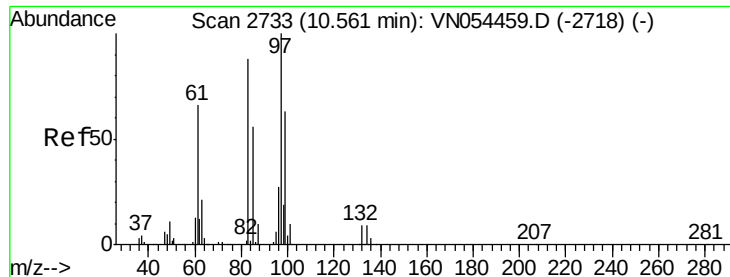


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

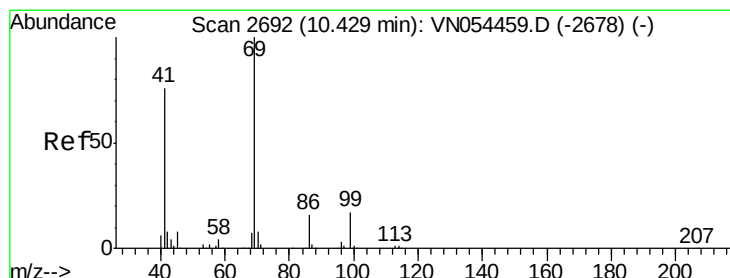
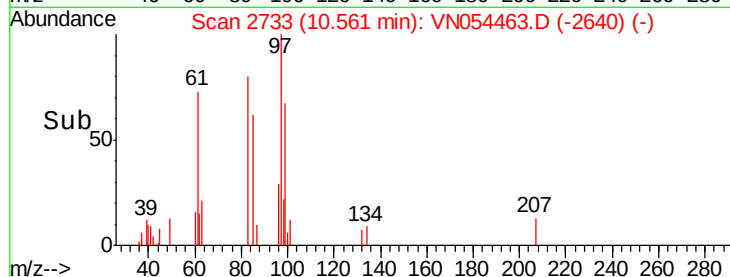
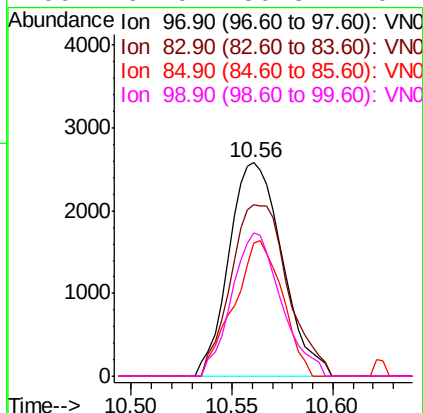
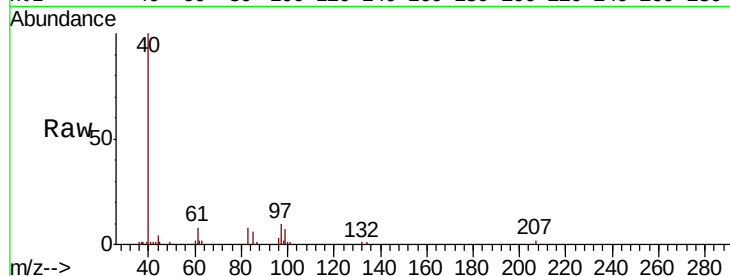




#55
 1,1,2-Trichloroethane
 Concen: 0.943 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

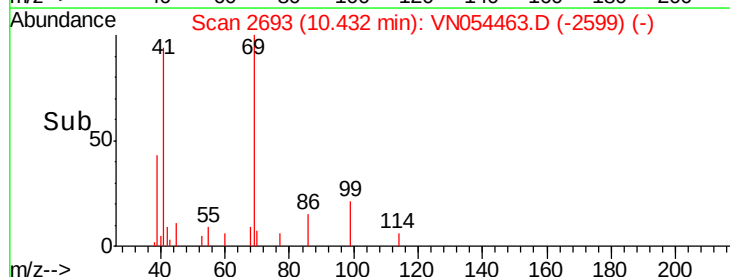
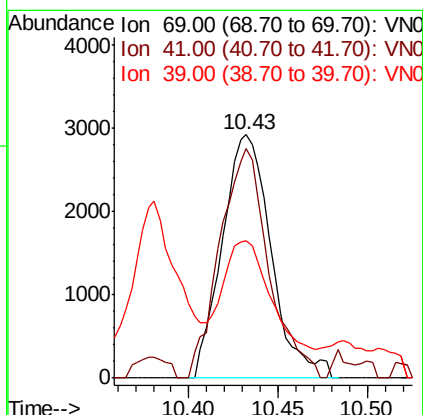
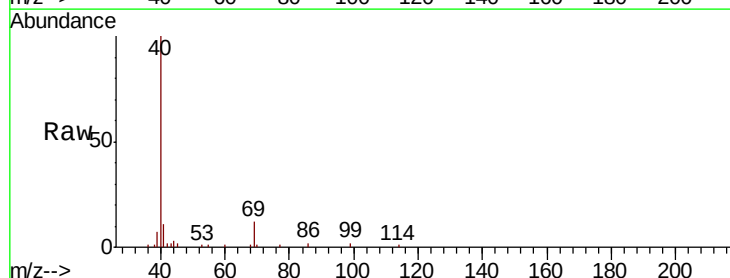
Instrument :
 MSVOA_N
 ClientSampleId :

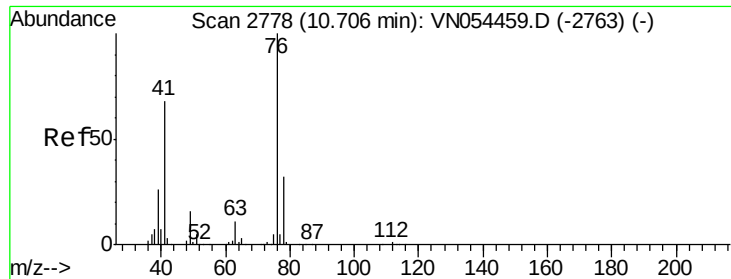
Tgt Ion:	97	Resp:	4784
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.6	100.0
85	62.3	44.4	66.6
99	67.0	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 0.918 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion:	69	Resp:	5550
Ion	Ratio	Lower	Upper
69	100		
41	94.0	49.4	74.2#
39	45.9	28.3	42.5#

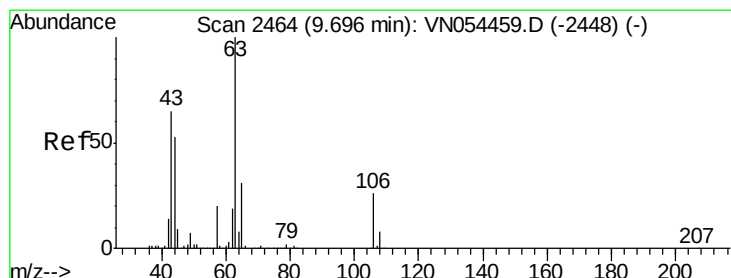
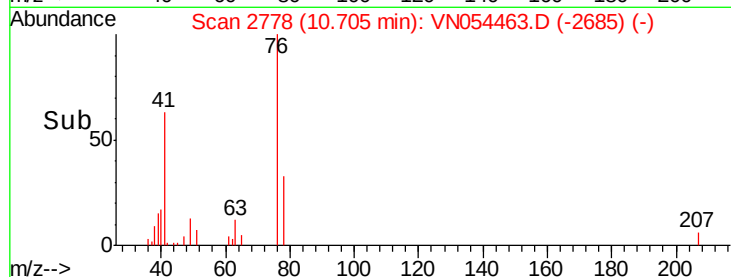
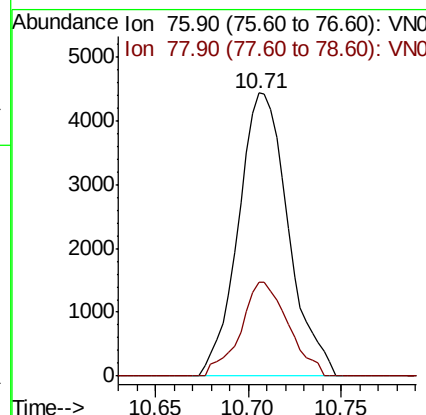
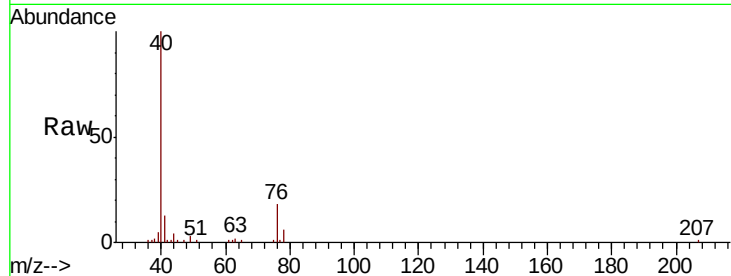




#57
 1,3-Dichloropropane
 Concen: 0.998 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

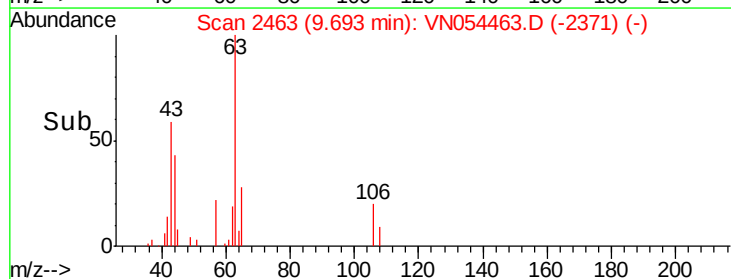
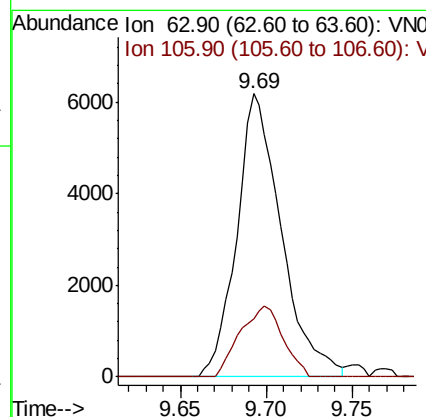
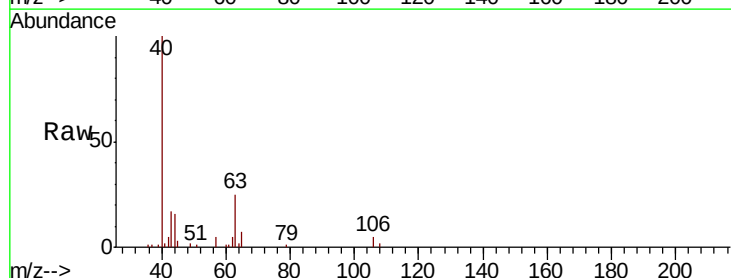
Instrument :
 MSVOA_N
 ClientSampled :

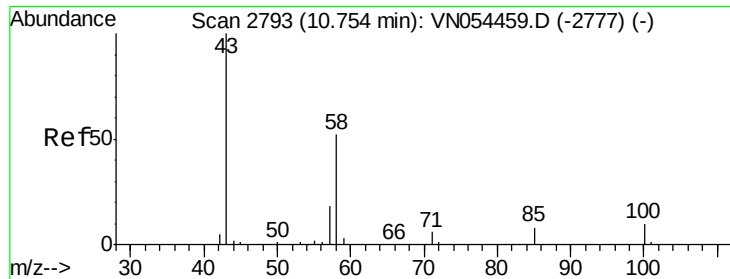
Tgt Ion: 76 Resp: 8272
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.876 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 63 Resp: 11168
 Ion Ratio Lower Upper
 63 100
 106 24.1 24.4 36.6#

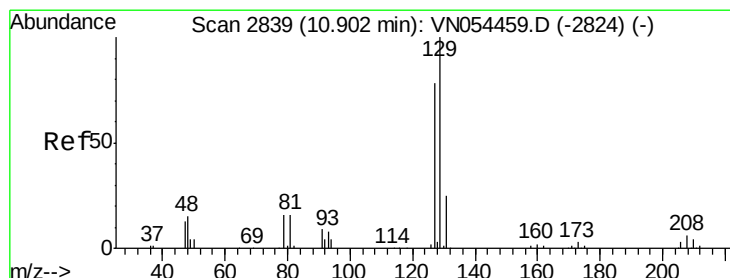
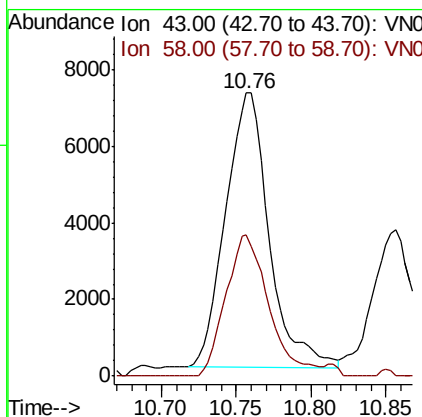
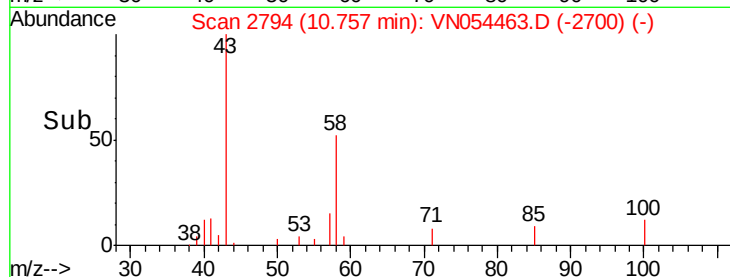
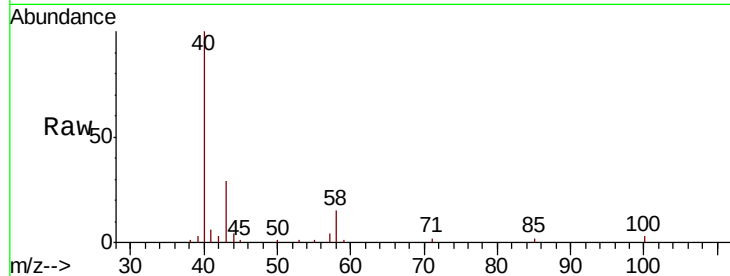




#59
2-Hexanone
Concen: 5.325 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

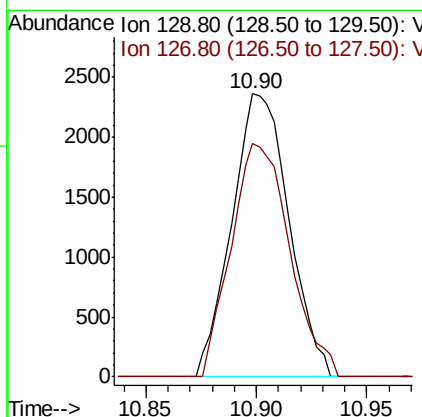
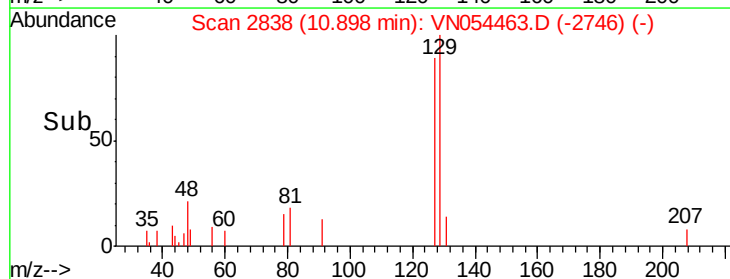
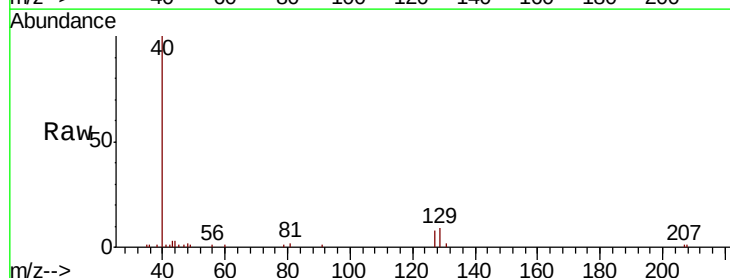
Instrument :
MSVOA_N
ClientSampled :

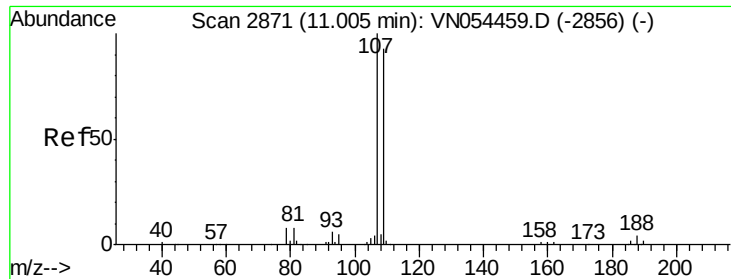
Tgt Ion: 43 Resp: 14475
Ion Ratio Lower Upper
43 100
58 50.9 28.0 83.9



#60
Dibromochloromethane
Concen: 0.743 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 129 Resp: 4240
Ion Ratio Lower Upper
129 100
127 84.8 38.6 115.8

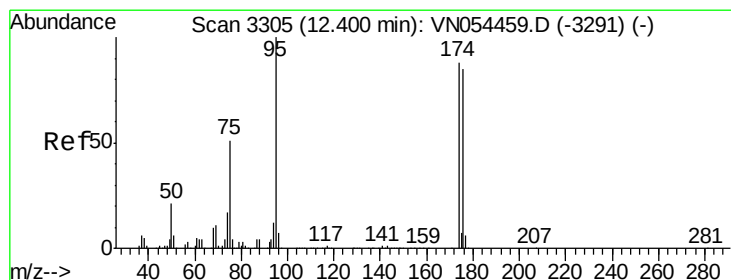
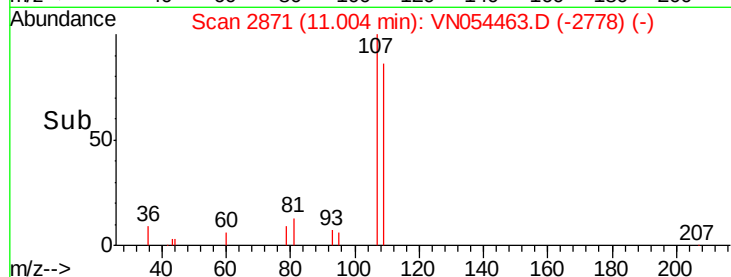
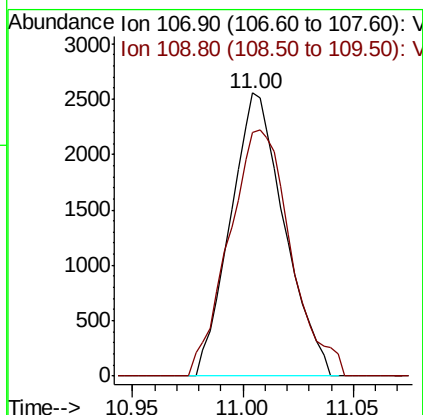
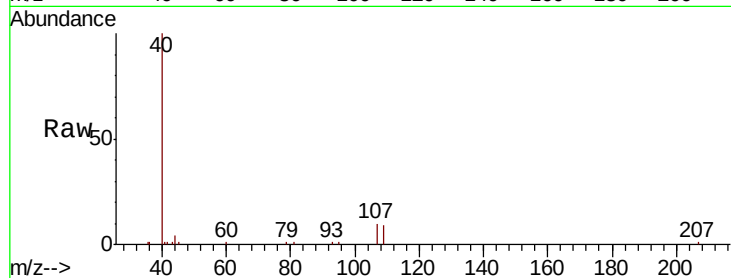




#61
 1,2-Dibromoethane
 Concen: 0.842 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

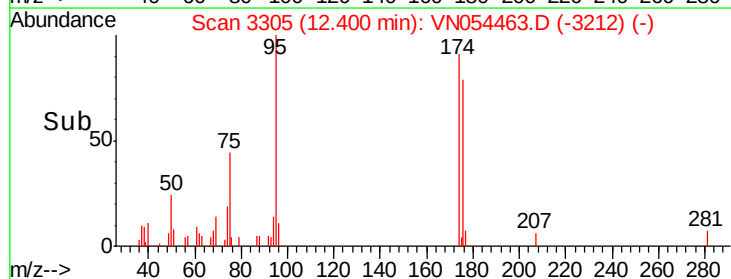
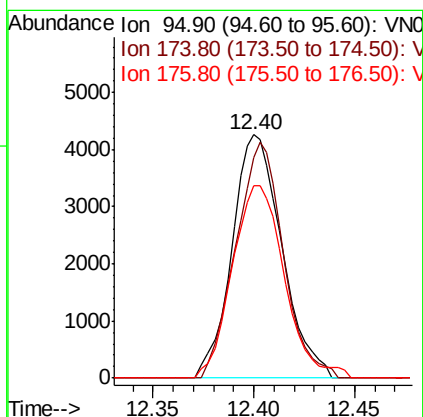
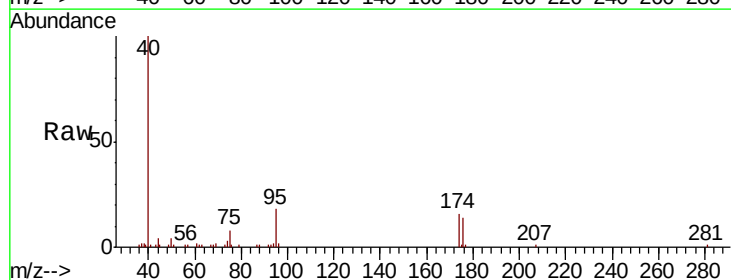
Instrument :
 MSVOA_N
 ClientSampleId :

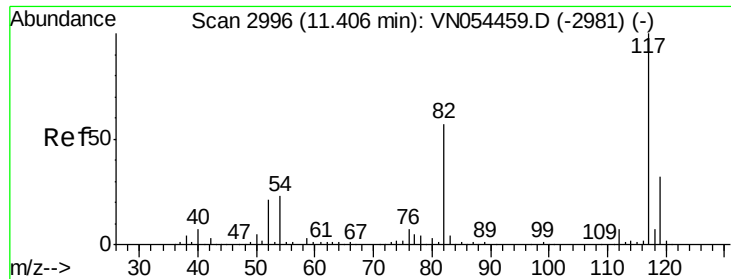
Tgt Ion: 107 Resp: 4337
 Ion Ratio Lower Upper
 107 100
 109 99.7 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 1.059 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 95 Resp: 7334
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 191.0
 176 83.4 0.0 187.4

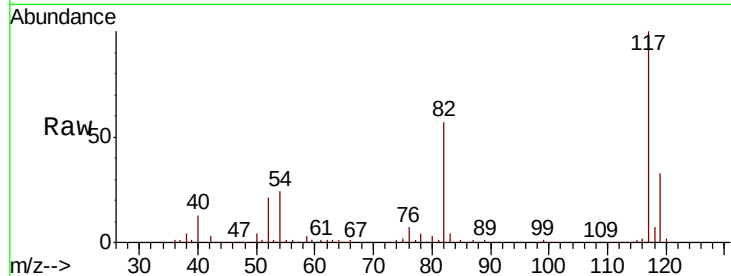




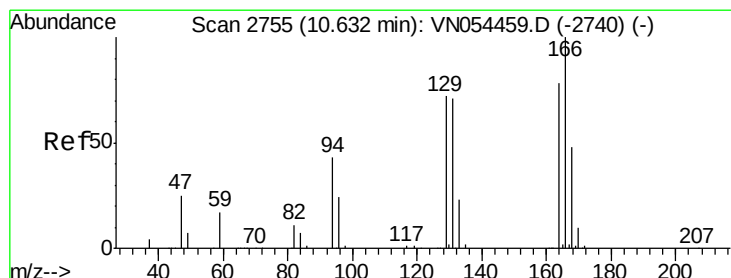
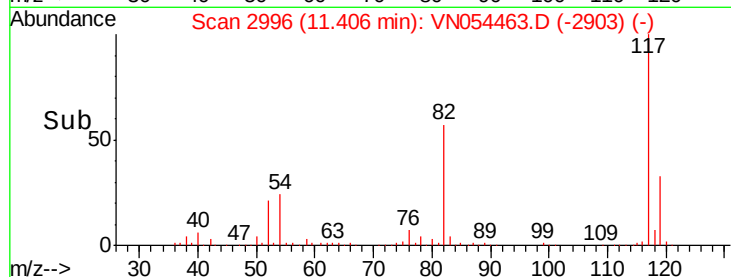
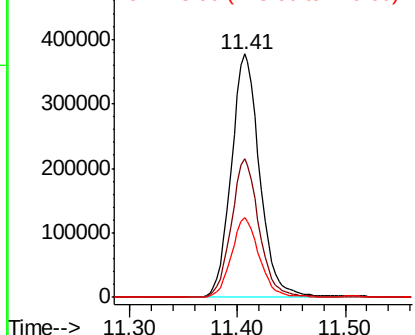
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 693125
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 32.7 25.8 38.6

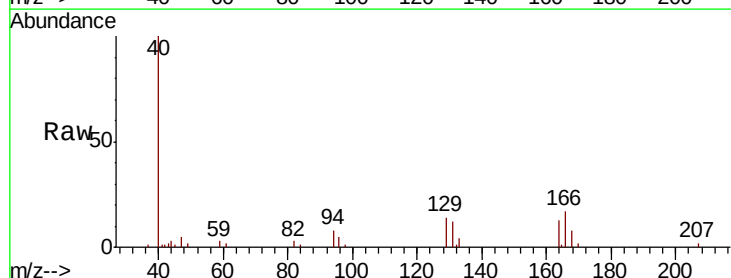


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

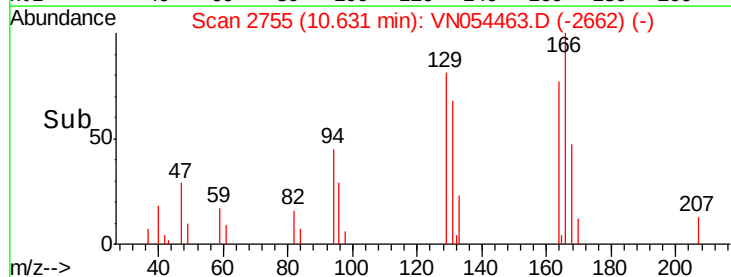
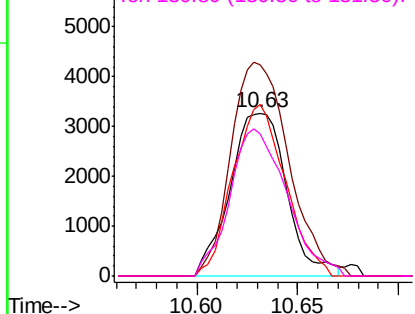


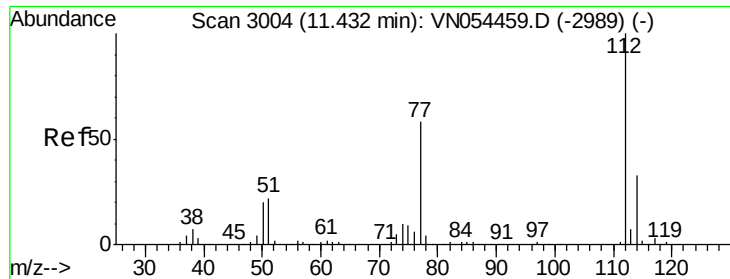
#64
Tetrachloroethene
Concen: 0.956 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:164 Resp: 6409
Ion Ratio Lower Upper
164 100
166 129.5 103.9 155.9
129 105.0 71.1 106.7
131 87.5 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

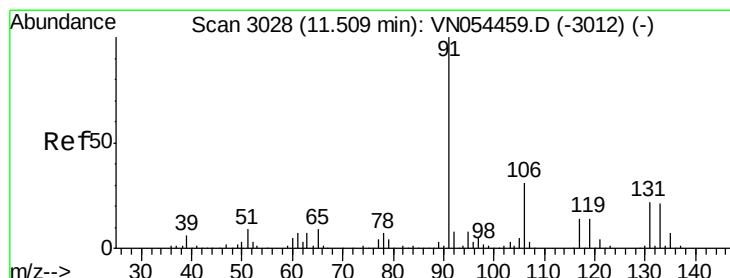
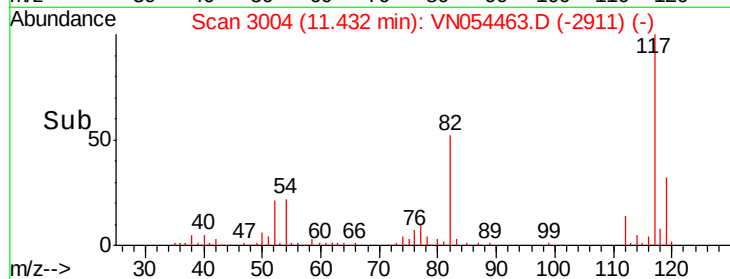
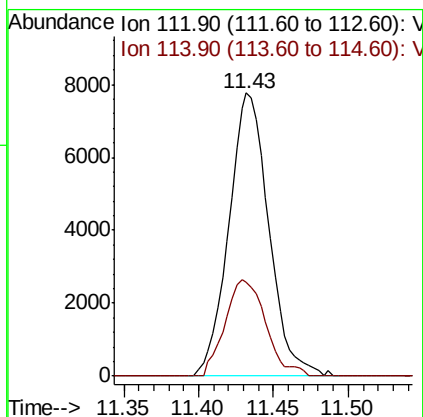
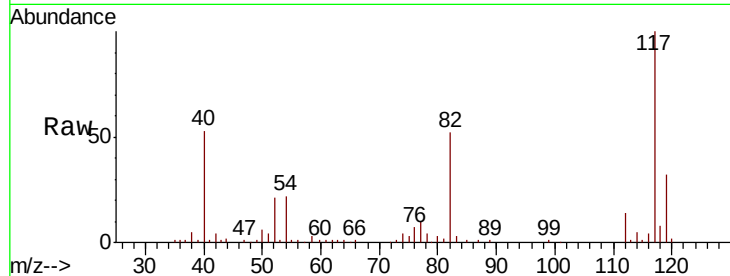




#65
Chlorobenzene
Concen: 0.949 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

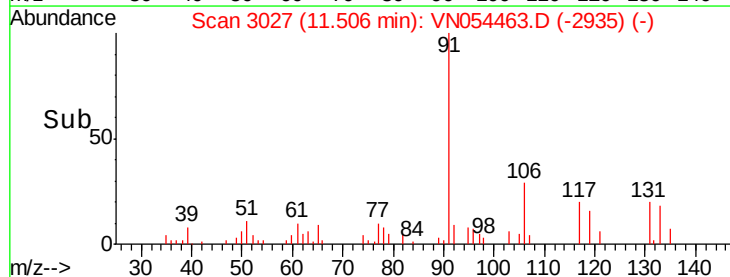
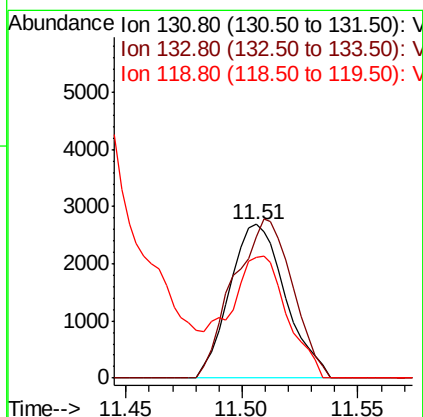
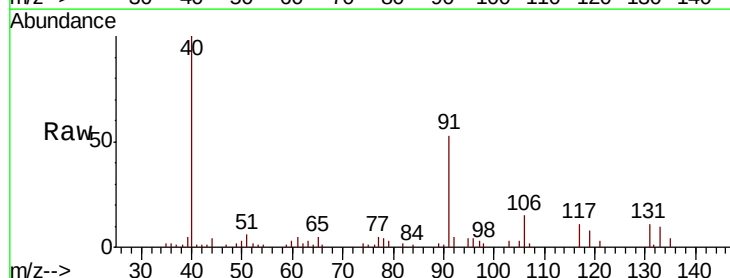
Instrument :
MSVOA_N
ClientSampled :

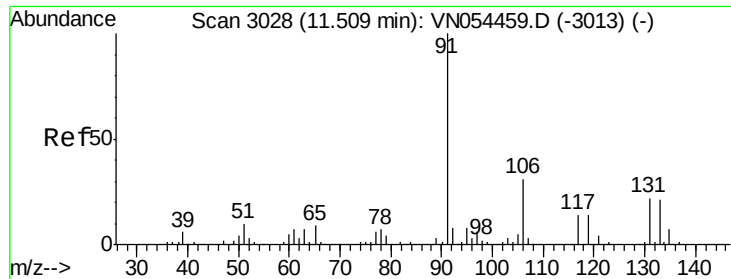
Tgt Ion:112 Resp: 14439
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 0.812 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:131 Resp: 4491
Ion Ratio Lower Upper
131 100
133 109.1 47.6 142.9
119 0.0 32.4 97.0#





#67

Ethyl Benzene

Concen: 1.000 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

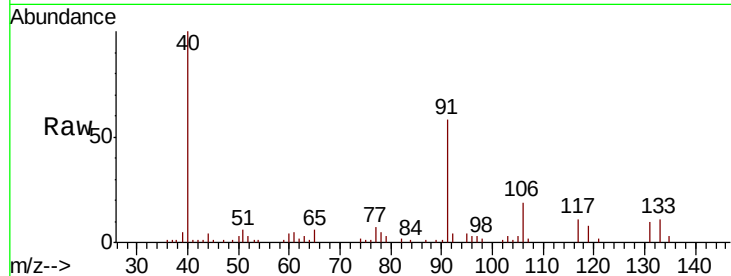
ClientSampled :

Tgt Ion: 91 Resp: 25222

Ion Ratio Lower Upper

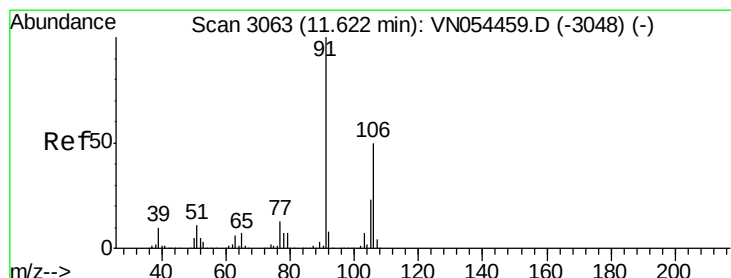
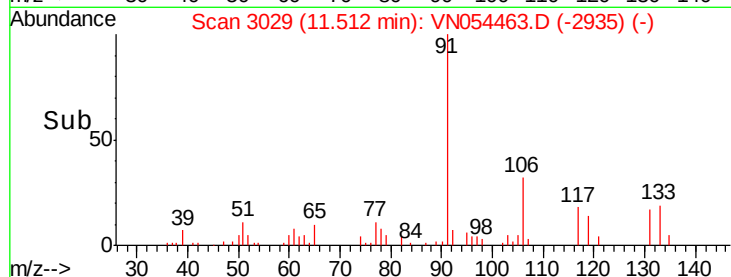
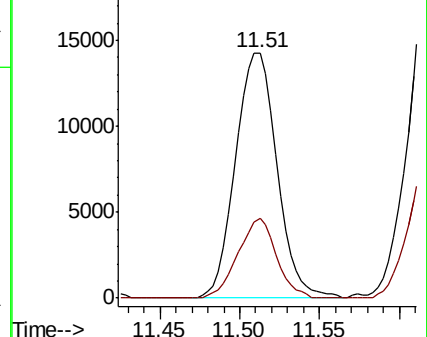
91 100

106 32.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN054459.D (-3013) (-)



#68

m/p-Xylenes

Concen: 1.873 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054463.D

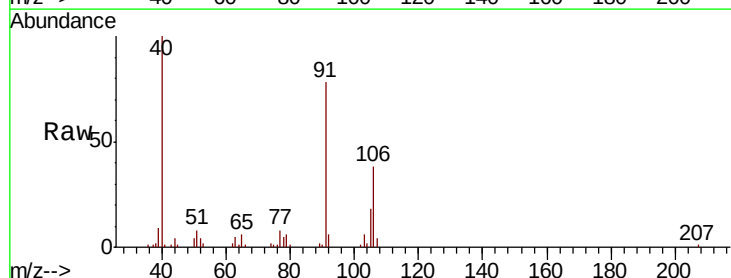
Acq: 20 Mar 2019 14:18

Tgt Ion: 106 Resp: 18471

Ion Ratio Lower Upper

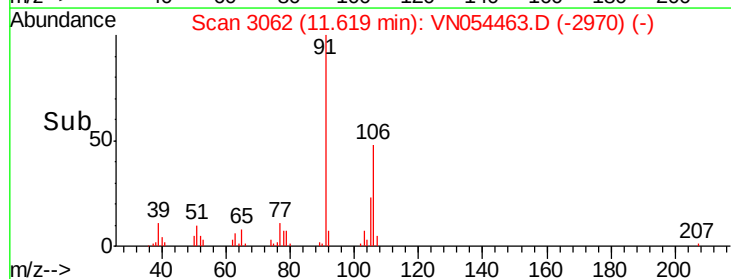
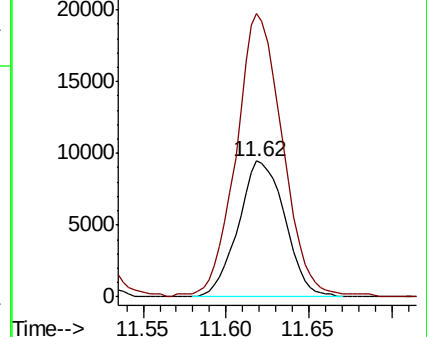
106 100

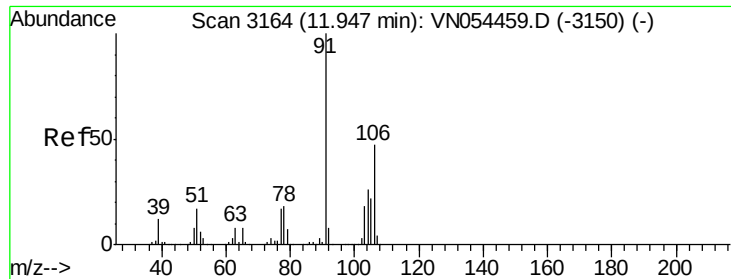
91 208.7 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054459.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-3048) (-)

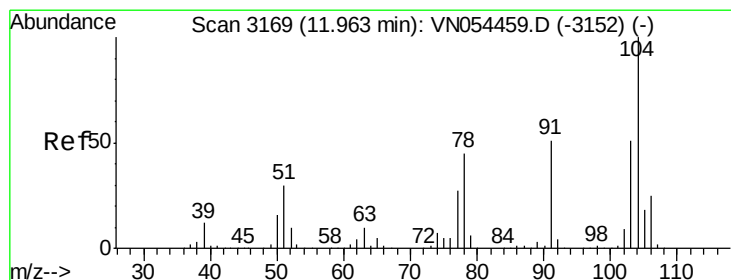
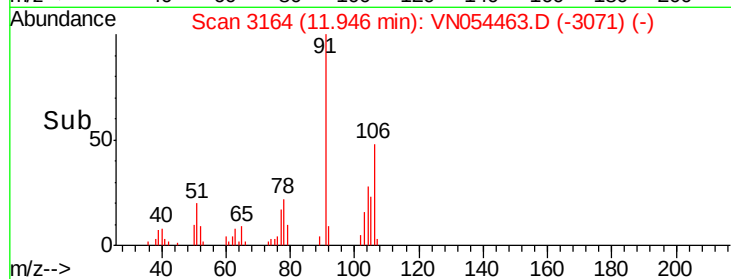
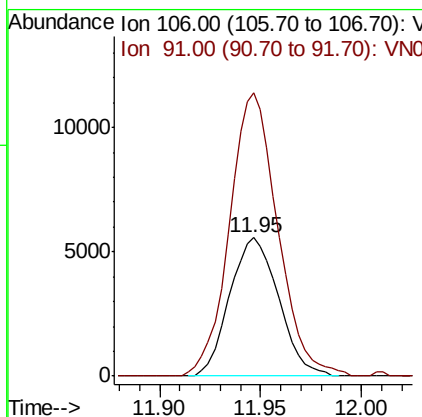
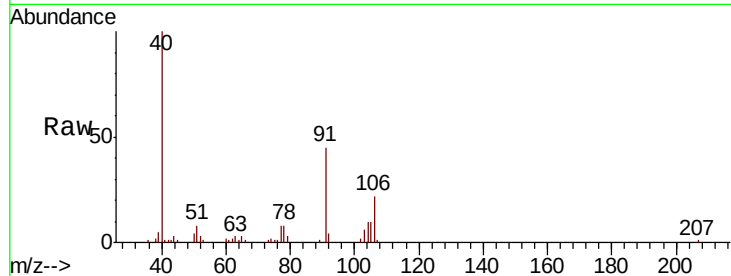




#69
o-Xylene
Concen: 0.982 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

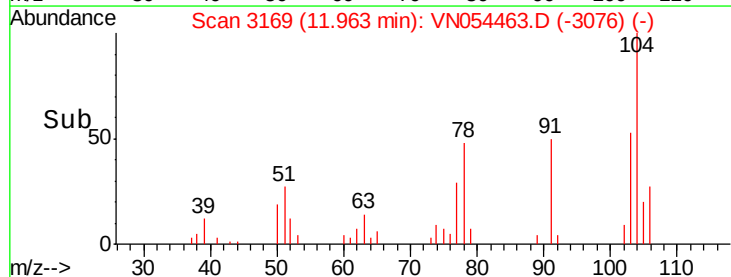
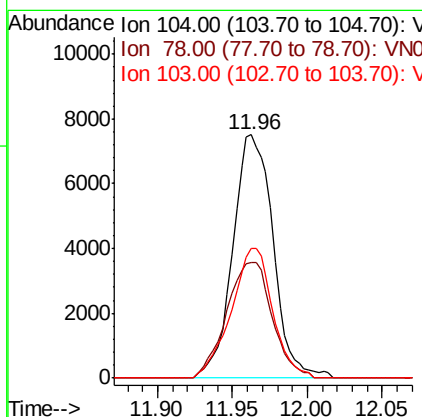
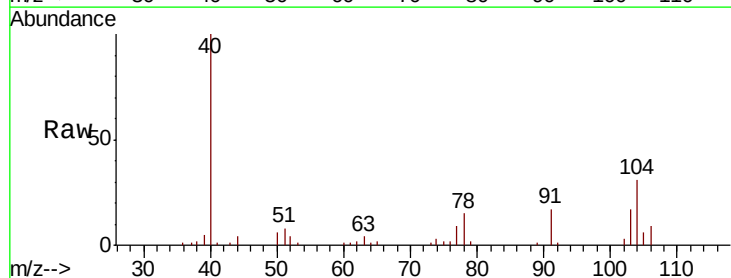
Instrument :
MSVOA_N
ClientSampled :

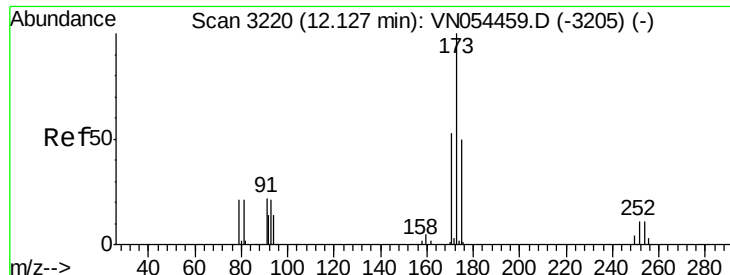
Tgt Ion:106 Resp: 9440
Ion Ratio Lower Upper
106 100
91 201.9 105.7 317.1



#70
Styrene
Concen: 0.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:104 Resp: 14070
Ion Ratio Lower Upper
104 100
78 54.1 38.2 57.2
103 55.2 44.4 66.6

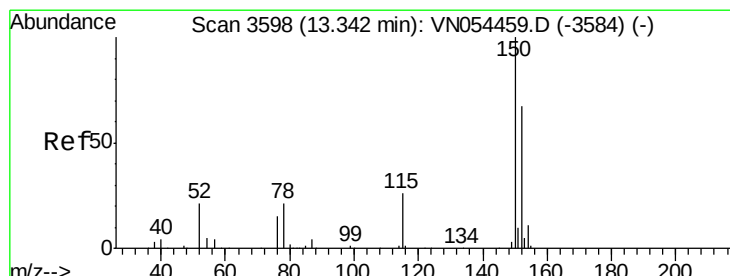
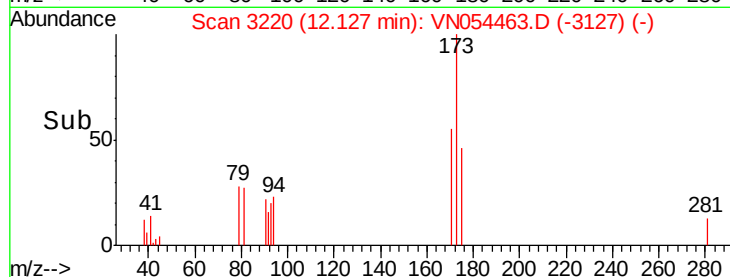
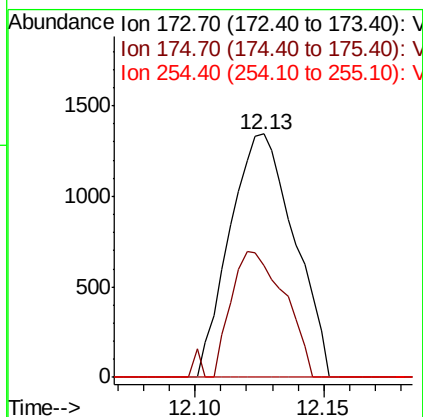
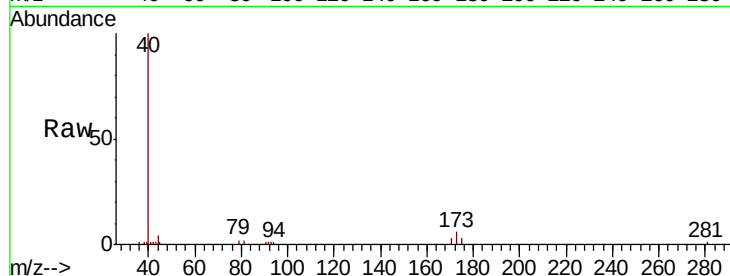




#71
Bromoform
Concen: 0.641 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

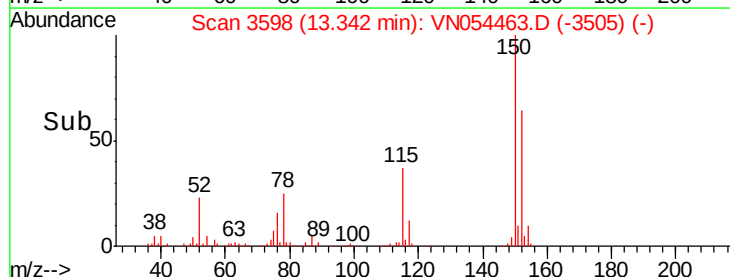
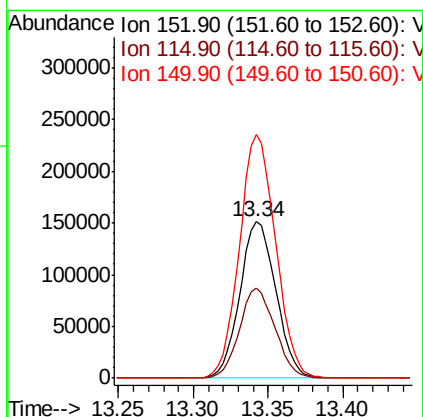
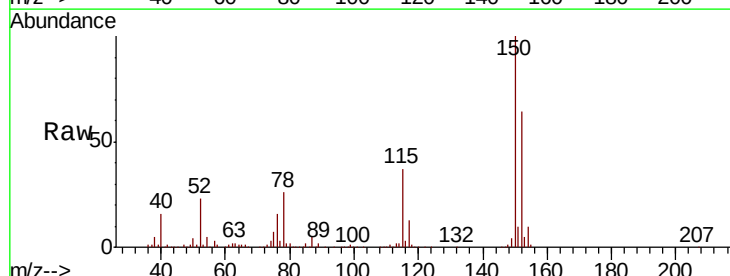
Instrument :
MSVOA_N
ClientSampleId :

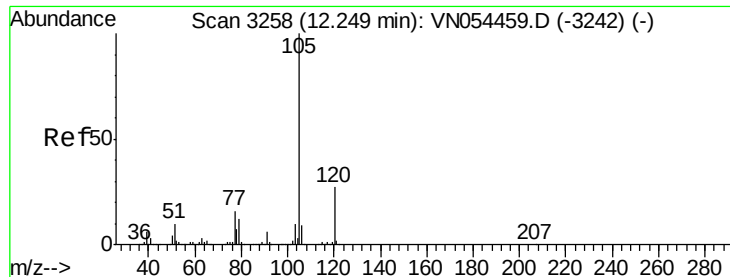
Tgt Ion:173 Resp: 2346
Ion Ratio Lower Upper
173 100
175 42.9 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:152 Resp: 254046
Ion Ratio Lower Upper
152 100
115 56.6 27.2 81.6
150 156.1 0.0 349.2





#73

Isopropylbenzene

Concen: 1.195 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

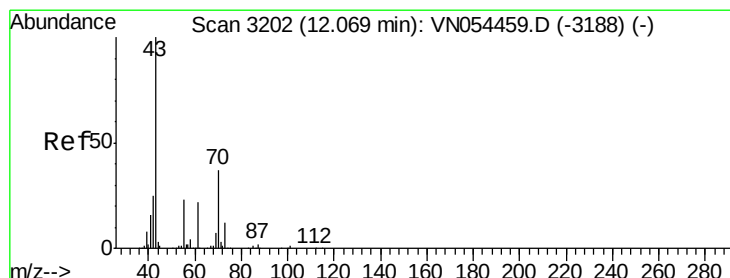
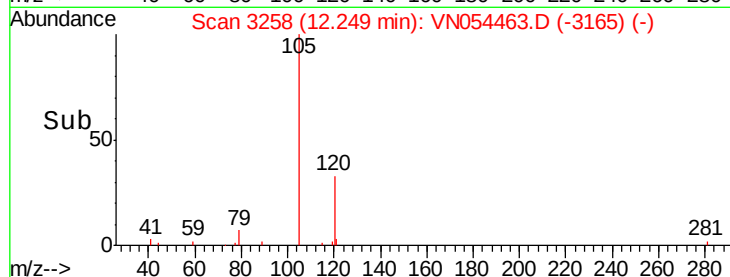
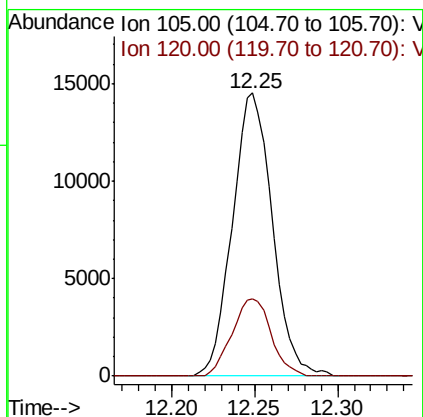
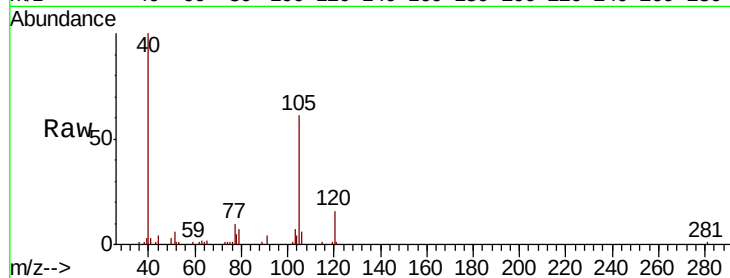
ClientSampleId :

Tgt Ion: 105 Resp: 24291

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 1.117 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion: 43 Resp: 5038

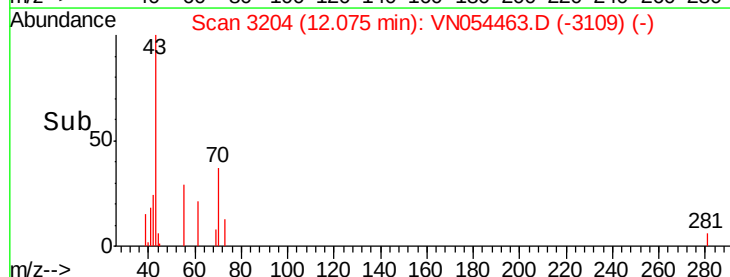
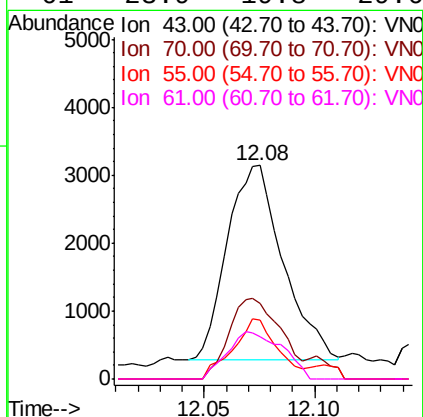
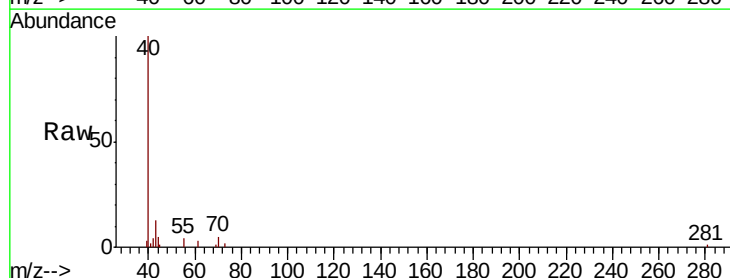
Ion Ratio Lower Upper

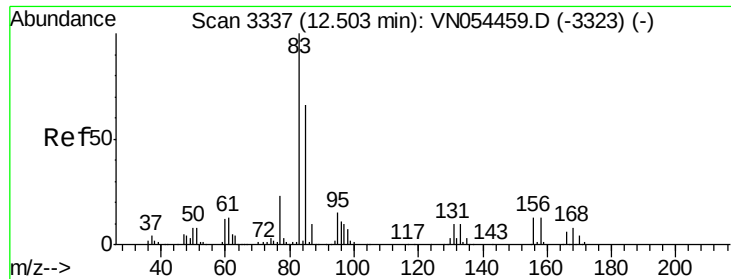
43 100

70 43.1 35.4 53.0

55 24.3 19.8 29.6

61 23.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 1.159 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054463.D

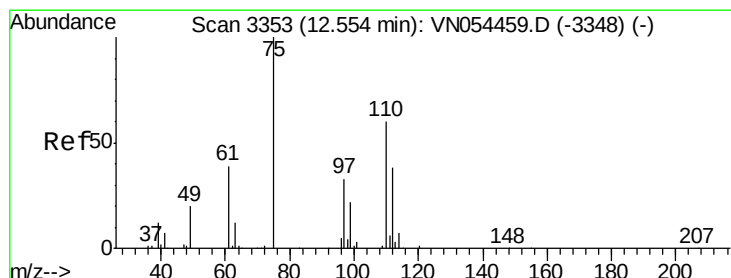
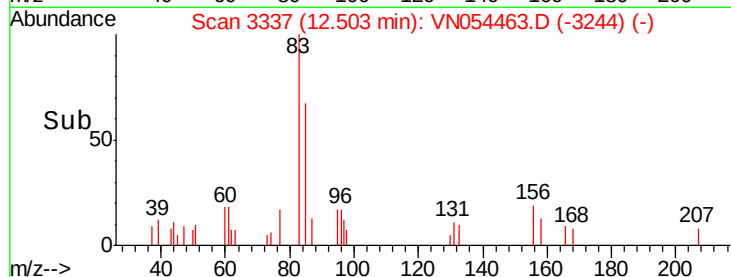
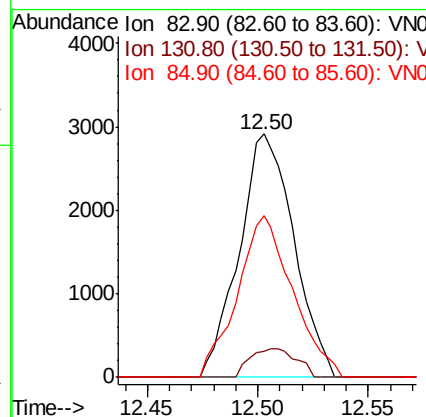
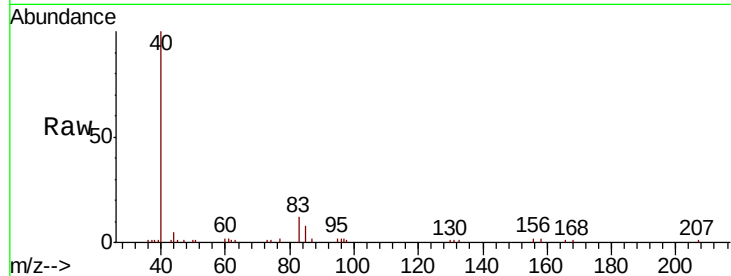
Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	83	Resp:	5020
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.8	17.4
85	67.0	32.2	96.6



#76

1,2,3-Trichloropropane

Concen: 1.615 ug/l

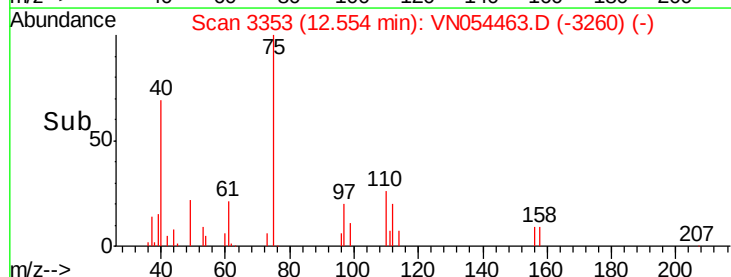
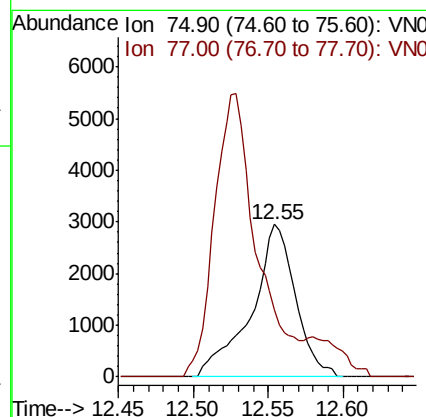
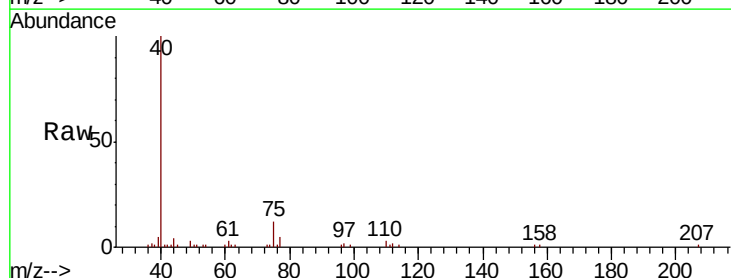
RT: 12.55 min Scan# 3353

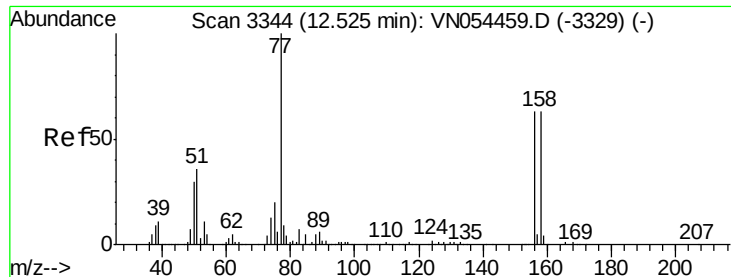
Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	75	Resp:	6035
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 1.121 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

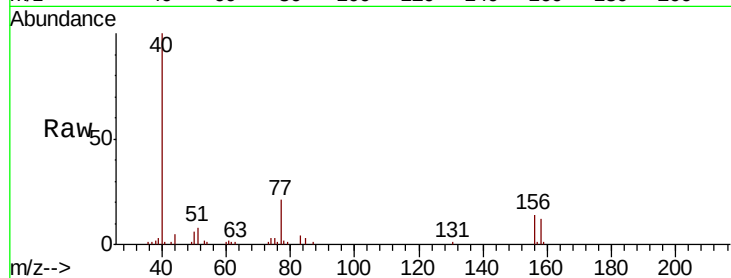
Tgt Ion:156 Resp: 6030

Ion Ratio Lower Upper

156 100

77 181.2 81.5 244.4

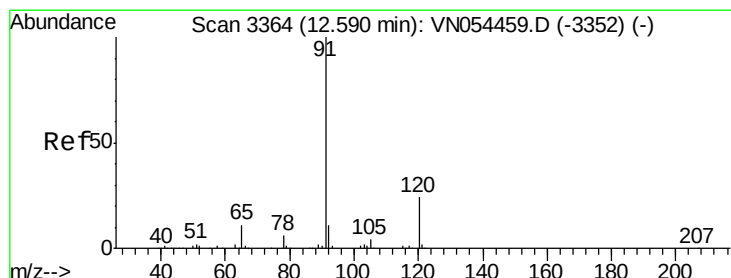
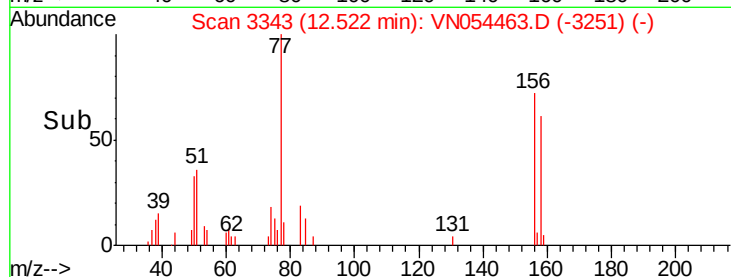
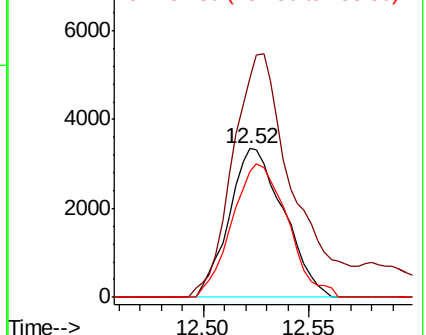
158 91.1 49.0 147.2



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: 1.140 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054463.D

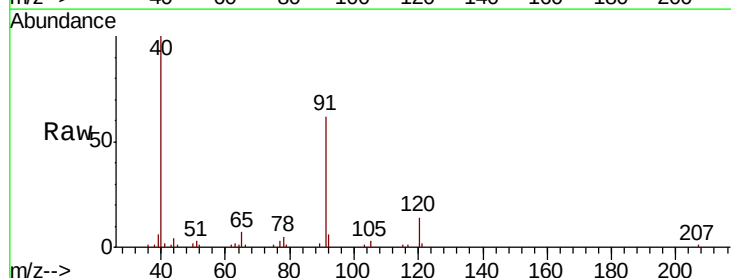
Acq: 20 Mar 2019 14:18

Tgt Ion: 91 Resp: 25146

Ion Ratio Lower Upper

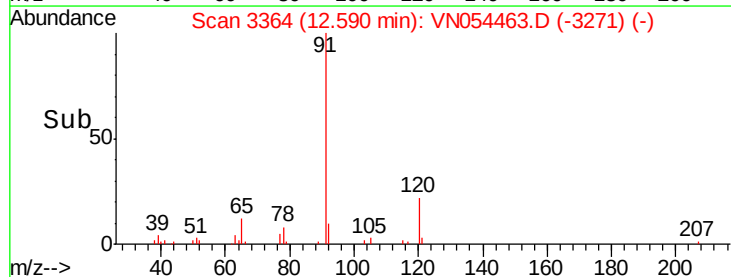
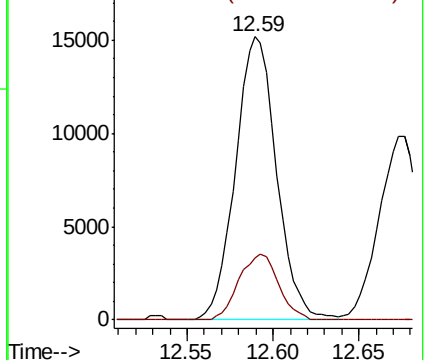
91 100

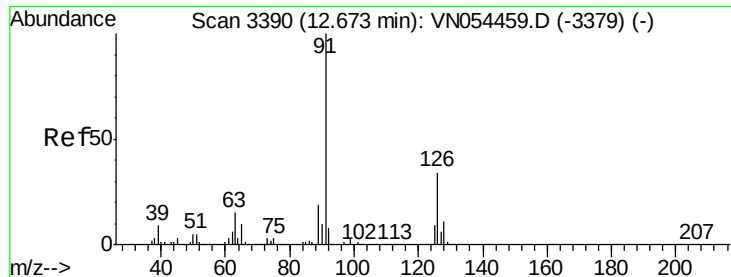
120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.282 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

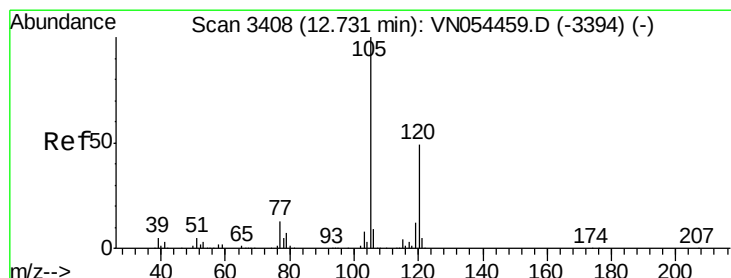
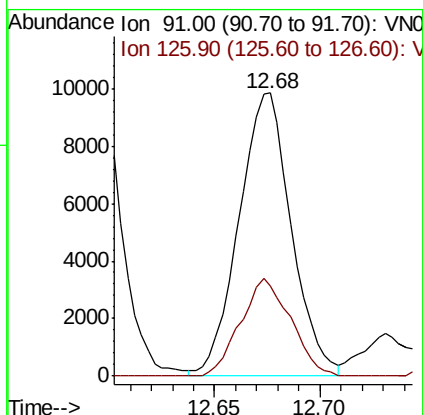
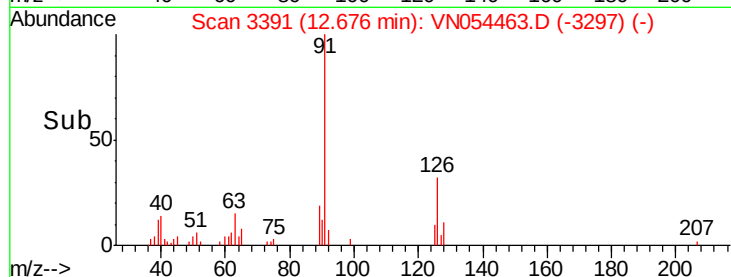
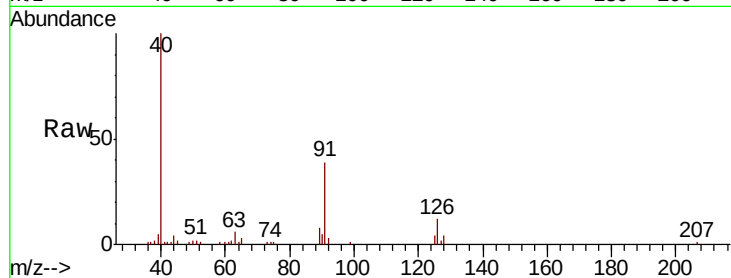
ClientSampled :

Tgt Ion: 91 Resp: 17004

Ion Ratio Lower Upper

91 100

126 33.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 1.138 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054463.D

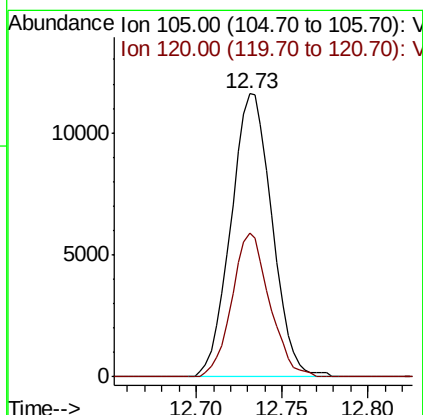
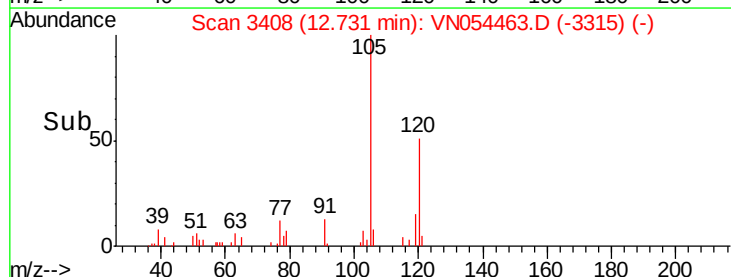
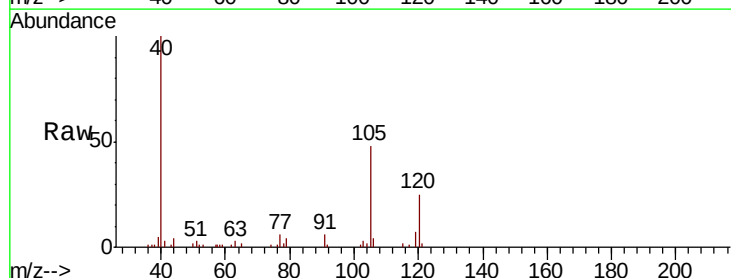
Acq: 20 Mar 2019 14:18

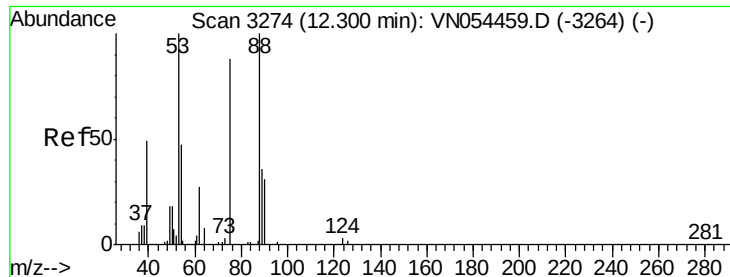
Tgt Ion: 105 Resp: 19235

Ion Ratio Lower Upper

105 100

120 46.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 0.885 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

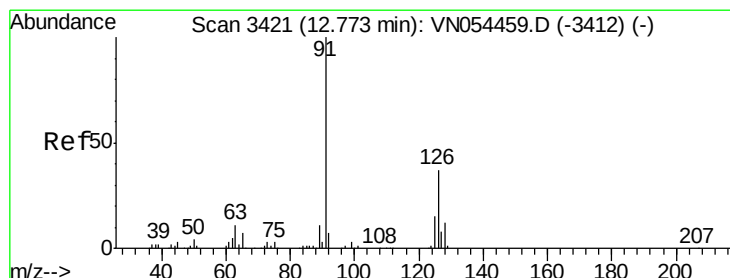
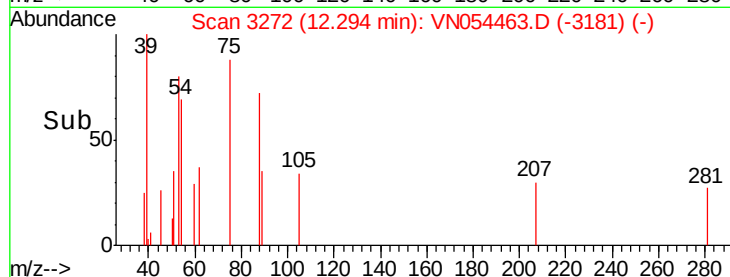
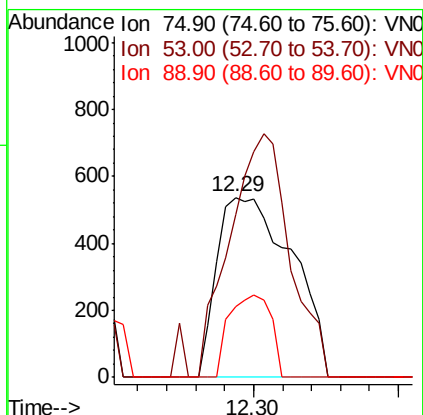
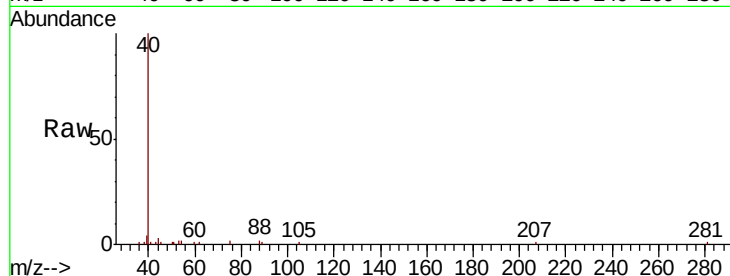
Tgt Ion: 75 Resp: 967

Ion Ratio Lower Upper

75 100

53 108.7 76.2 114.2

89 25.3 39.2 58.8#



#82

4-Chlorotoluene

Concen: 1.131 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054463.D

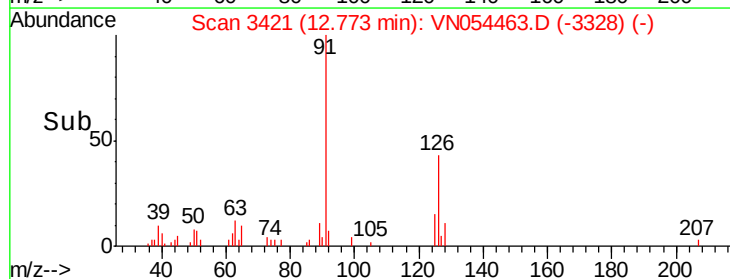
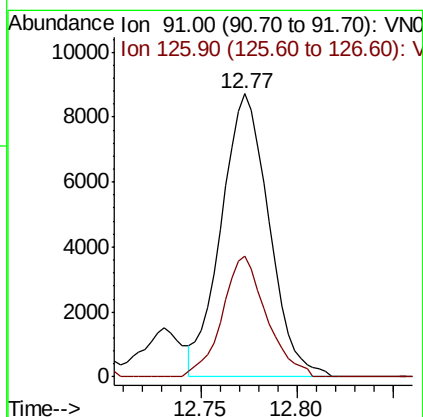
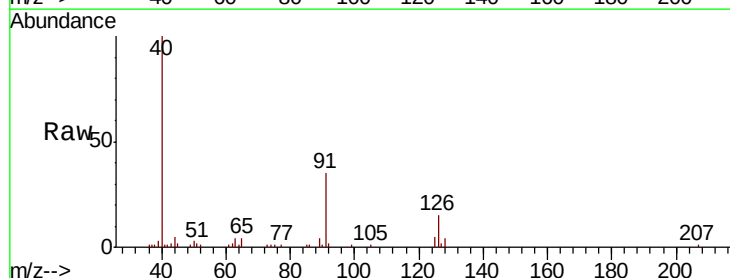
Acq: 20 Mar 2019 14:18

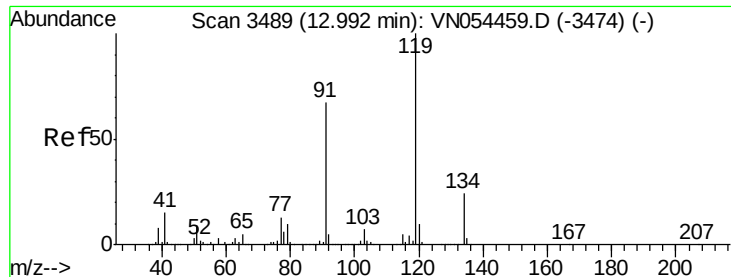
Tgt Ion: 91 Resp: 14979

Ion Ratio Lower Upper

91 100

126 39.3 18.1 54.1

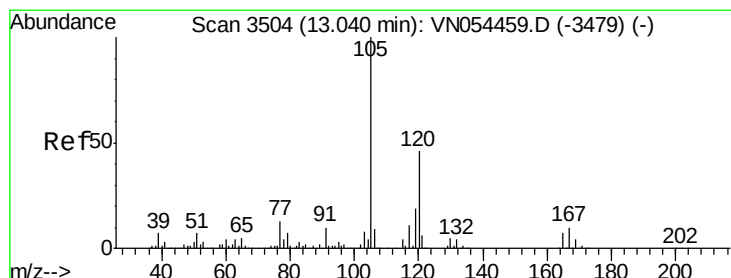
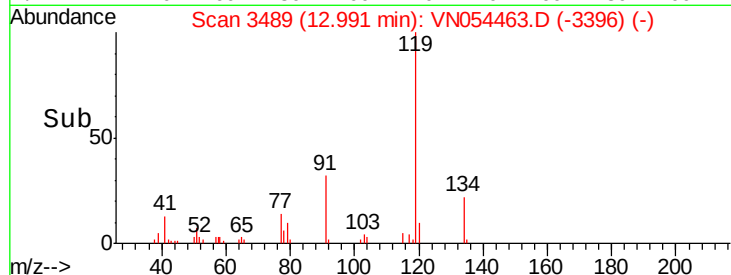
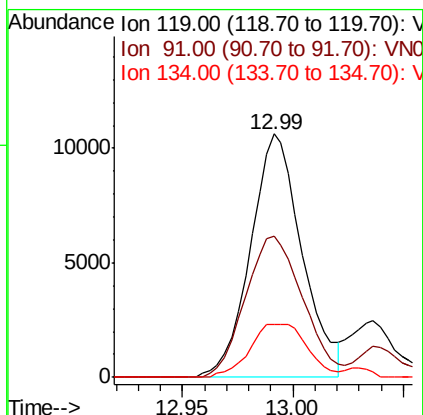
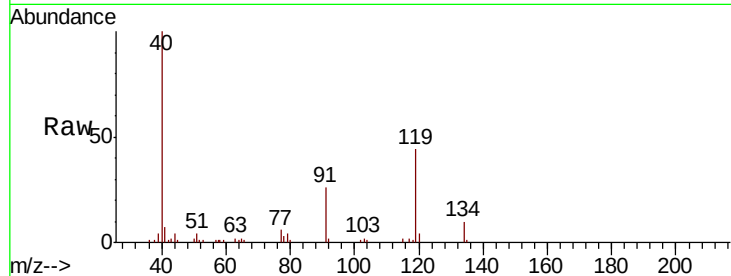




#83
 tert-Butylbenzene
 Concen: 1.105 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

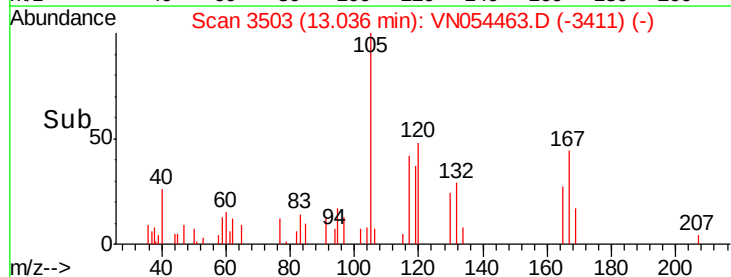
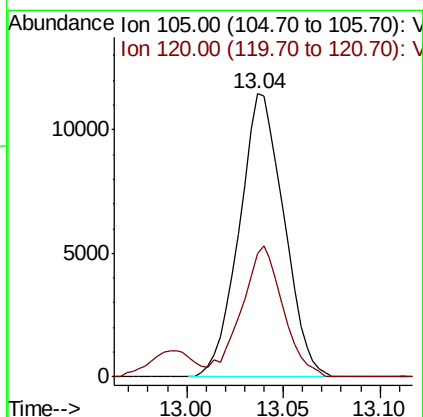
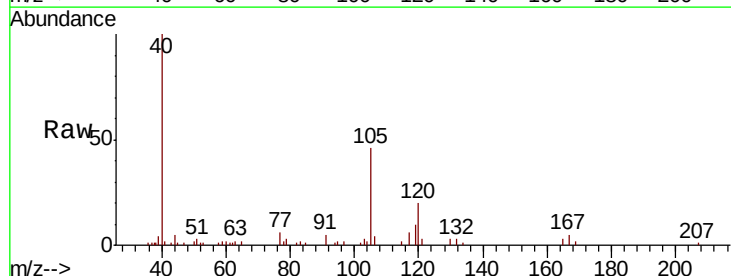
Instrument :
 MSVOA_N
 ClientSampled :

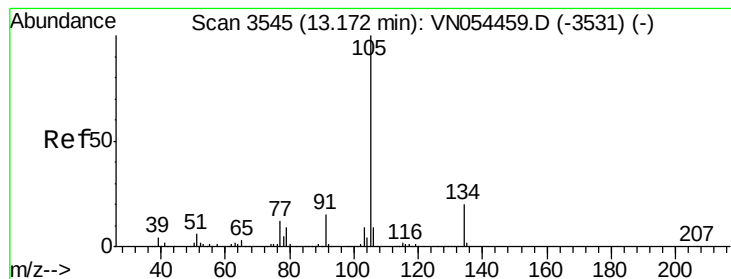
Tgt Ion:119 Resp: 17195
 Ion Ratio Lower Upper
 119 100
 91 65.0 30.9 92.8
 134 24.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 1.111 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion:105 Resp: 18424
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 1.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

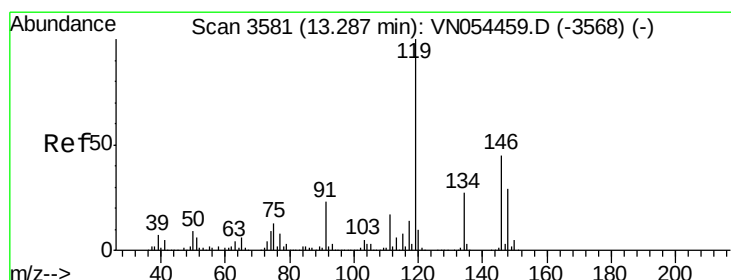
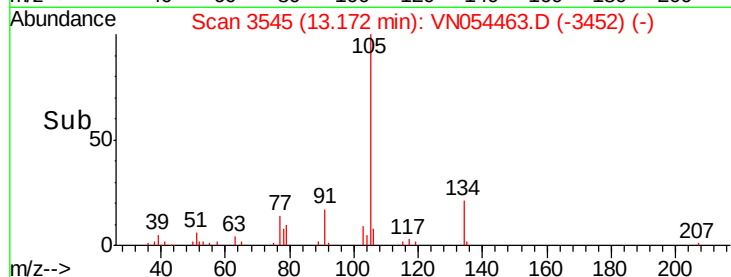
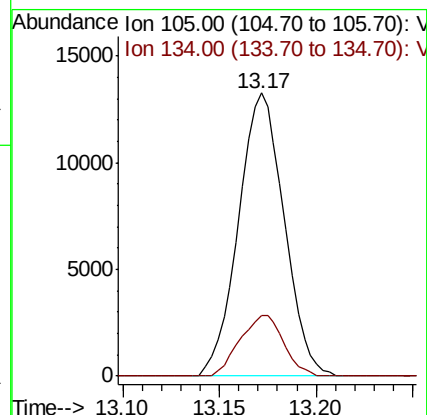
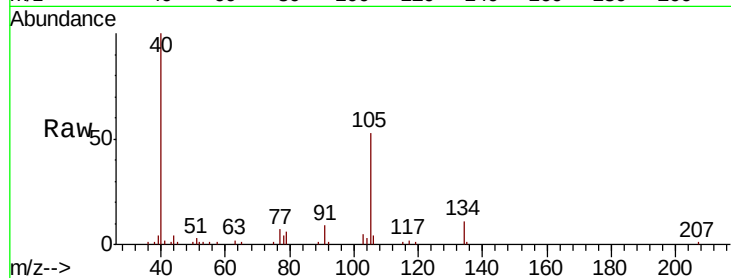
ClientSampled :

Tgt Ion:105 Resp: 21774

Ion Ratio Lower Upper

105 100

134 20.5 10.7 32.1



#86

p-Isopropyltoluene

Concen: 1.049 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

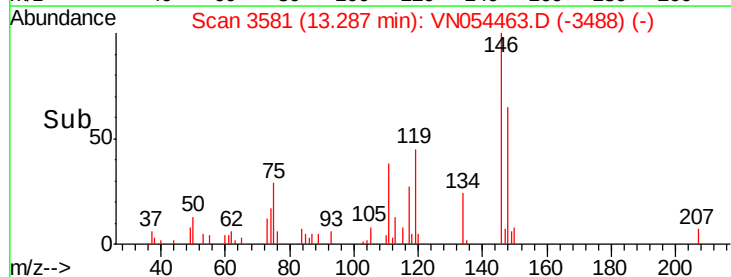
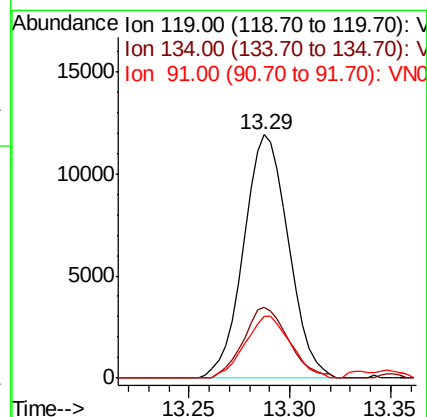
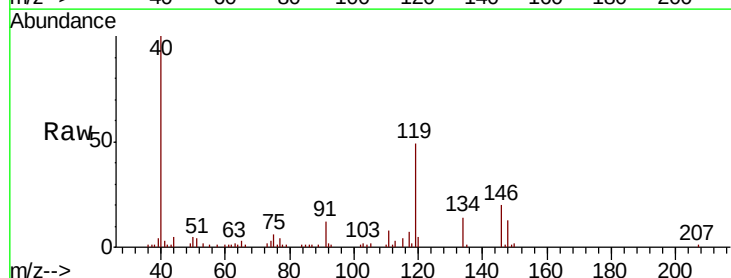
Tgt Ion:119 Resp: 18571

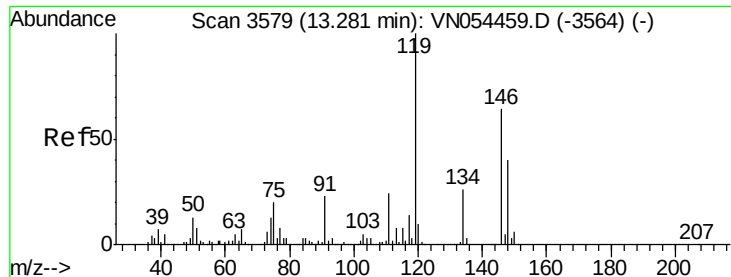
Ion Ratio Lower Upper

119 100

134 29.2 13.6 40.8

91 25.9 11.1 33.3

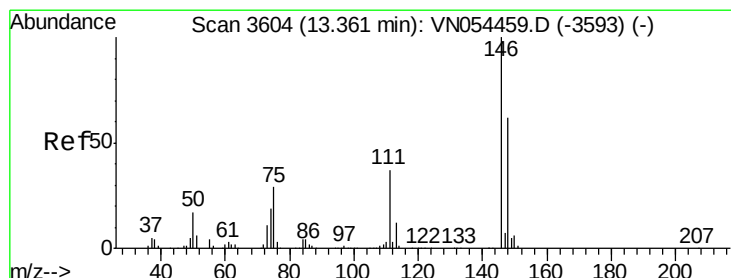
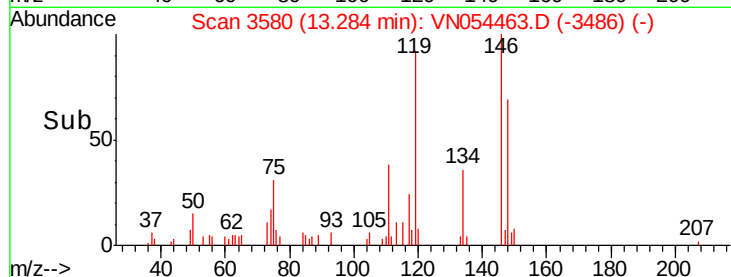
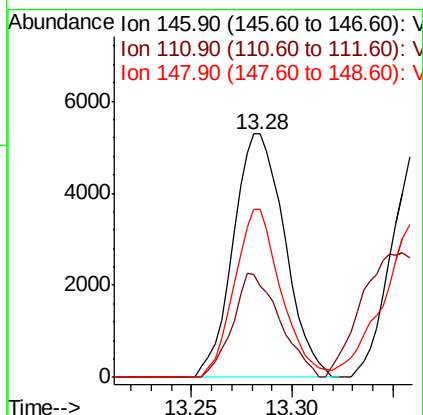
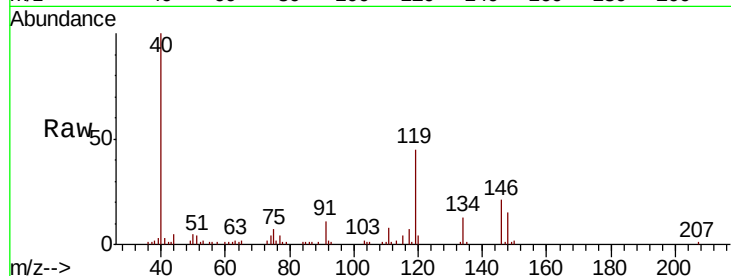




#87
 1,3-Dichlorobenzene
 Concen: 1.041 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

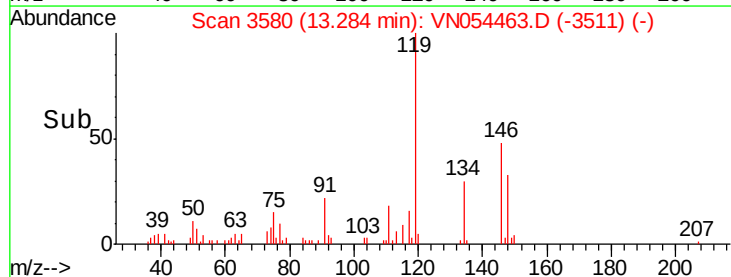
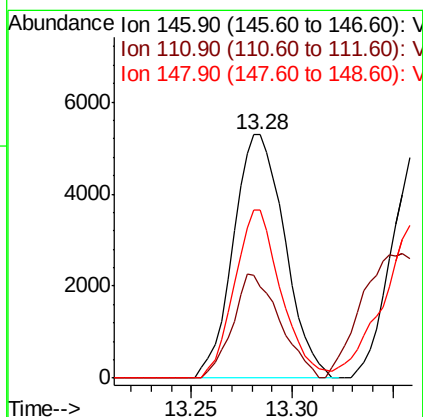
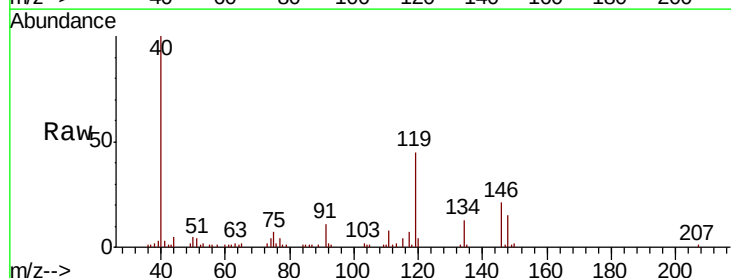
Instrument :
 MSVOA_N
 ClientSampleId :

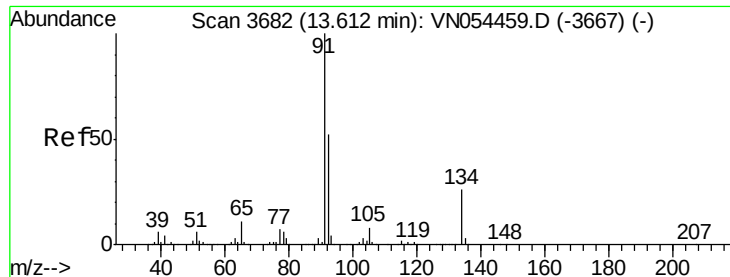
Tgt Ion:146 Resp: 9430
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.8 56.3
 148 62.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 1.059 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion:146 Resp: 9430
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.1 54.1
 148 62.7 32.0 96.0





#89

n-Butylbenzene

Concen: 0.980 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

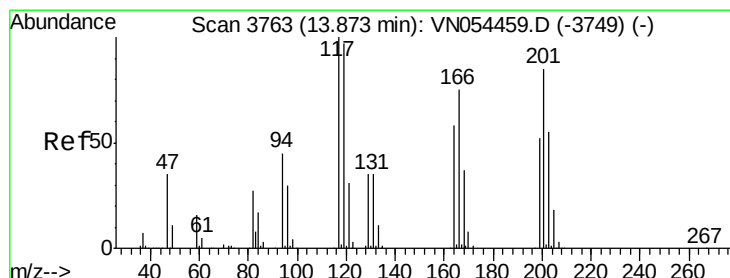
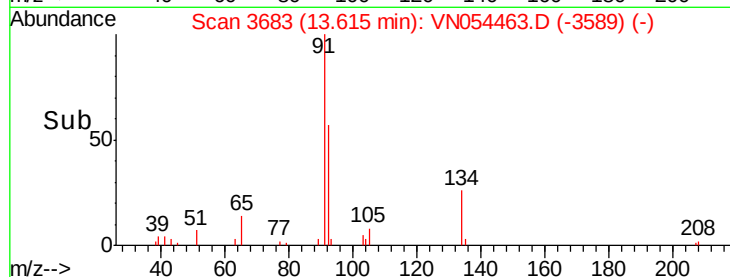
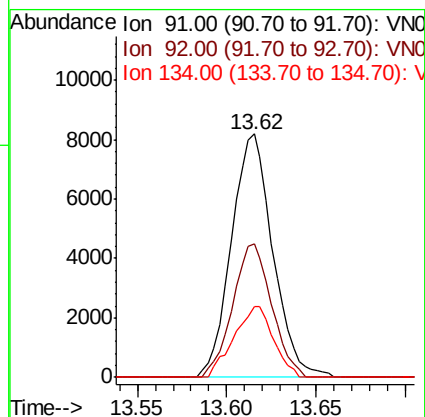
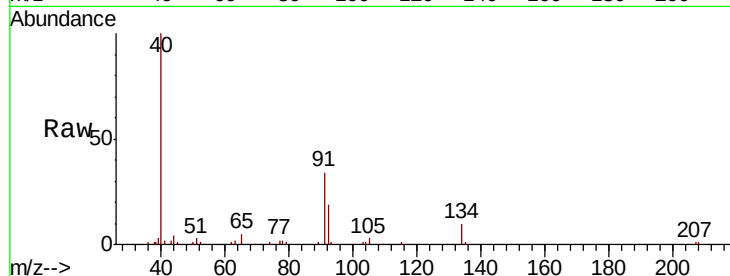
Tgt Ion: 91 Resp: 13181

Ion Ratio Lower Upper

91 100

92 51.5 26.2 78.6

134 27.8 14.3 42.9



#90

Hexachloroethane

Concen: 0.856 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054463.D

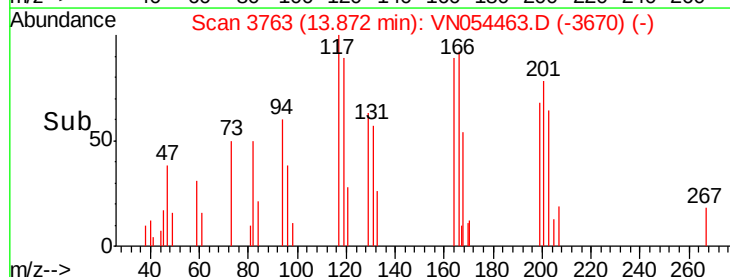
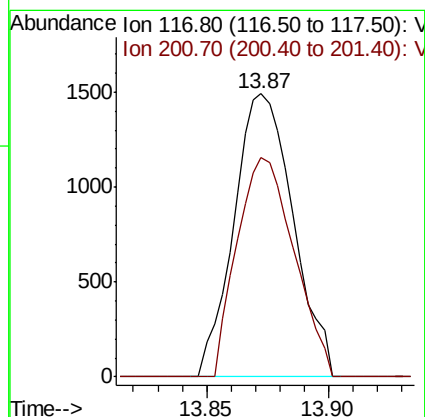
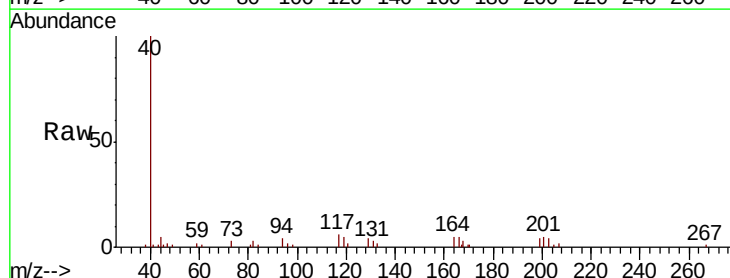
Acq: 20 Mar 2019 14:18

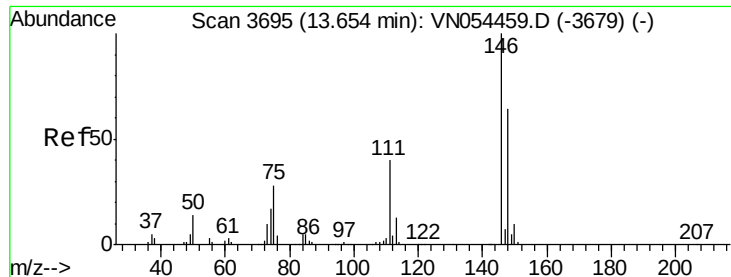
Tgt Ion: 117 Resp: 2510

Ion Ratio Lower Upper

117 100

201 74.6 48.1 144.4

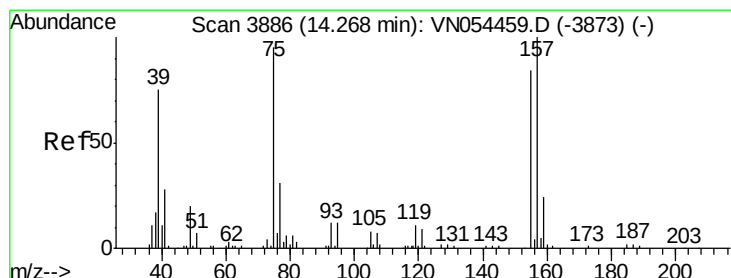
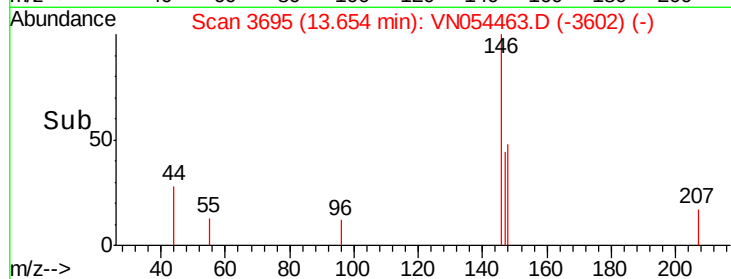
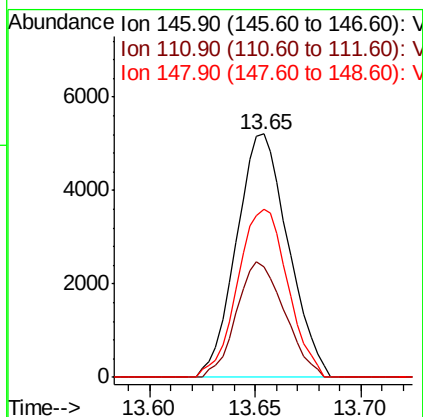
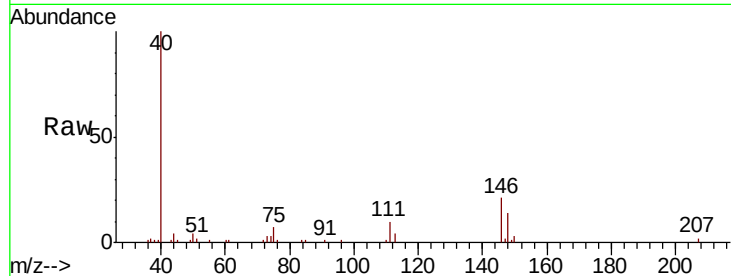




#91
 1,2-Dichlorobenzene
 Concen: 1.005 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

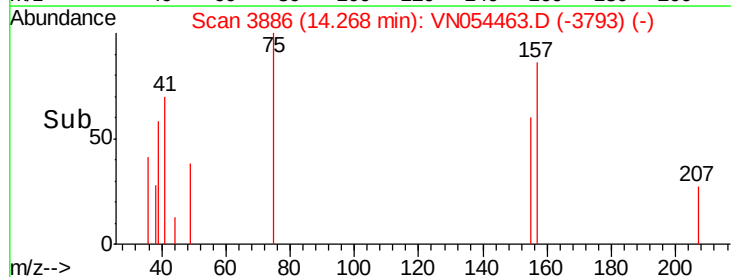
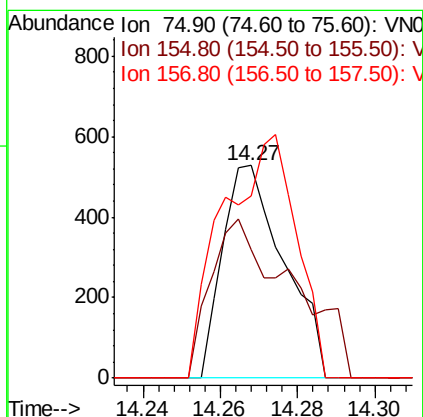
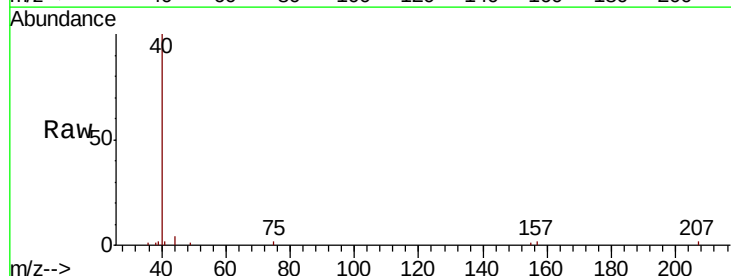
Instrument :
 MSVOA_N
 ClientSampleId :

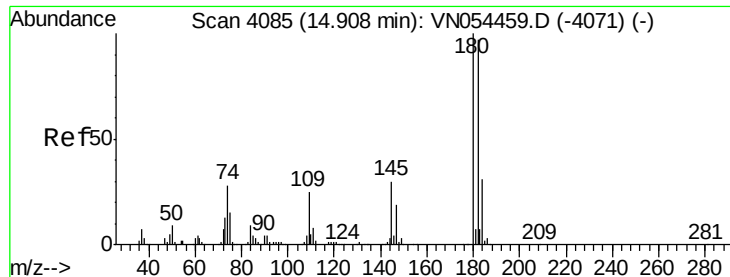
Tgt Ion: 146 Resp: 8904
 Ion Ratio Lower Upper
 146 100
 111 43.8 19.1 57.3
 148 66.9 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.870 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 75 Resp: 583
 Ion Ratio Lower Upper
 75 100
 155 99.8 50.1 150.3
 157 136.0 63.1 189.3

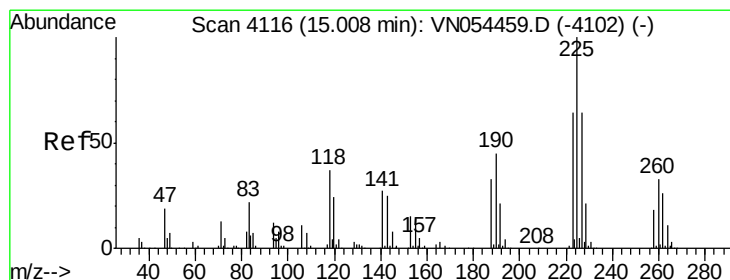
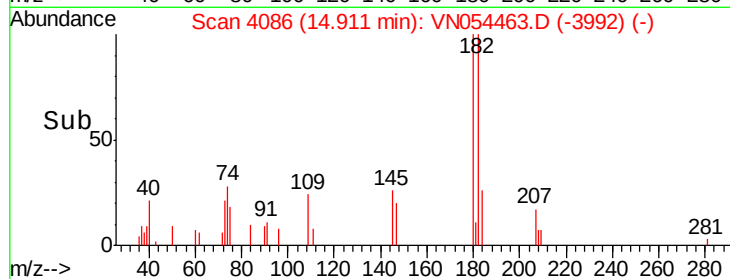
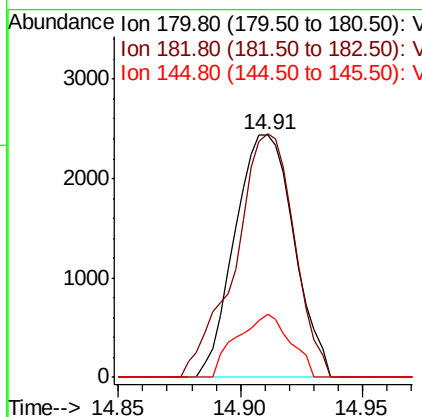
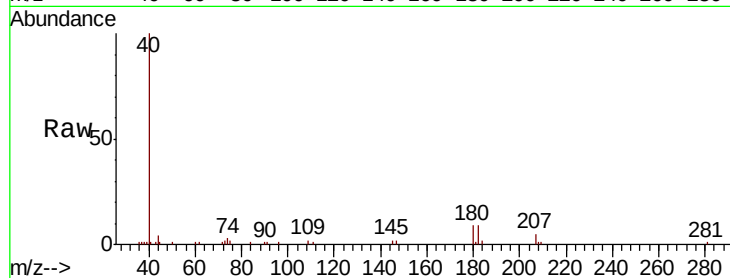




#93
 1,2,4-Trichlorobenzene
 Concen: 0.898 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

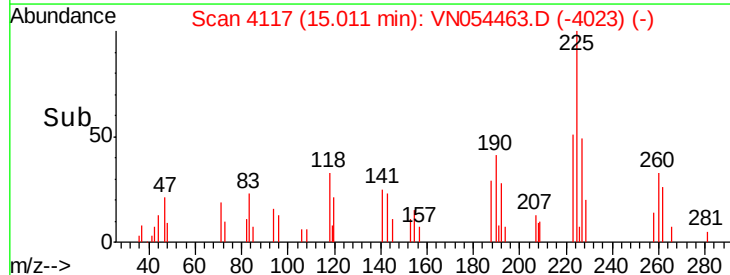
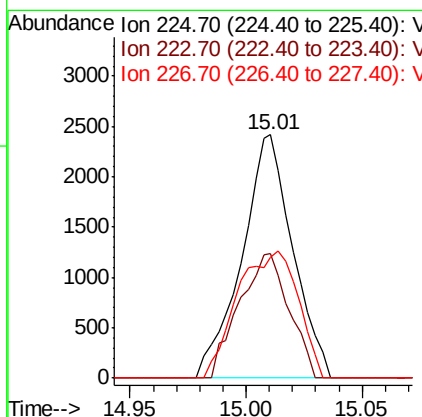
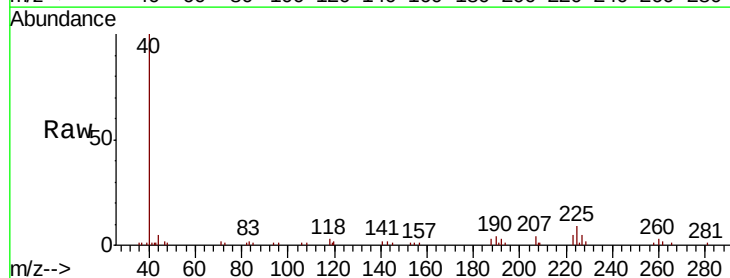
Instrument :
 MSVOA_N
 ClientSampleId :

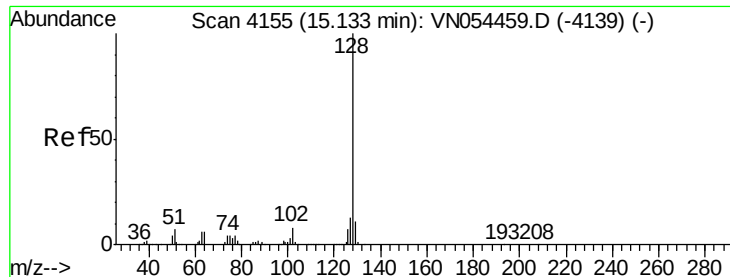
Tgt Ion:180 Resp: 4110
 Ion Ratio Lower Upper
 180 100
 182 99.9 48.0 144.2
 145 23.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 1.093 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion:225 Resp: 3687
 Ion Ratio Lower Upper
 225 100
 223 50.0 31.1 93.5
 227 62.5 31.9 95.9





#95

Naphthalene

Concen: 0.947 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054463.D

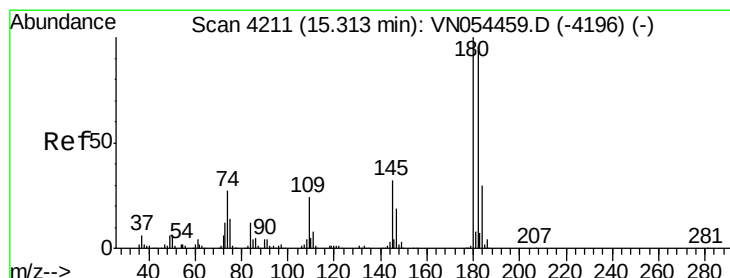
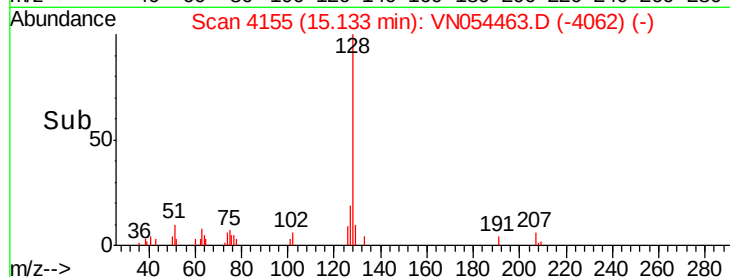
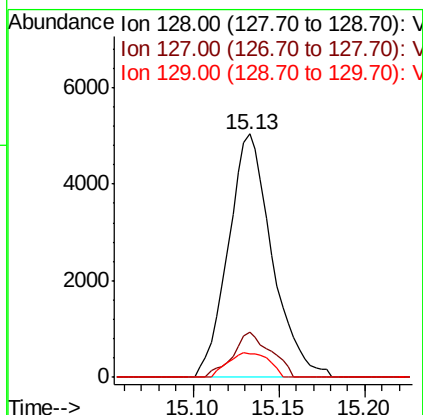
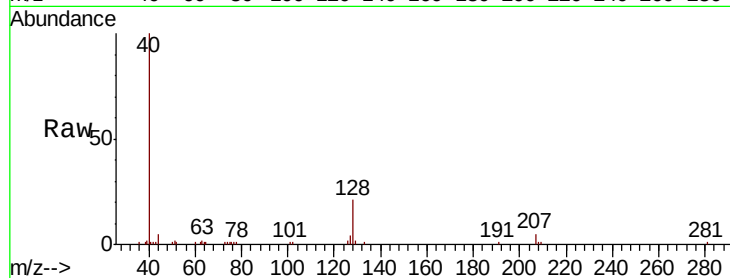
Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	8917
Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.1	15.1#
129	9.4	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.888 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	180	Resp:	4182
Ion	Ratio	Lower	Upper
180	100		
182	109.5	47.5	142.6
145	13.4	14.8	44.3#

