

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056689.D
 Acq On : 12 Jul 2019 14:49
 Operator : JC/SP
 Sample : VN0713WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53067	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	289342	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	252700	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	107432	29.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.63%
60) 4-Bromofluorobenzene	12.40	95	113730	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	358475	31.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	58959	19.552	ug/l 98
3) Chloromethane	2.06	50	81132	20.118	ug/l 99
4) Vinyl Chloride	2.18	62	78646	19.827	ug/l 100
5) Bromomethane	2.56	94	48511	19.403	ug/l 96
6) Chloroethane	2.70	64	43905	19.371	ug/l 100
7) Trichlorofluoromethane	3.01	101	99695	19.596	ug/l 100
8) Diethyl Ether	3.41	74	40643	19.535	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61017	19.233	ug/l 99
10) 1,1-Dichloroethene	3.73	96	60427	19.307	ug/l 97
11) Methyl Iodide	3.95	142	77072	18.530	ug/l 98
12) Methyl Acetate	4.33	43	78234	18.673	ug/l 94
13) Acrolein	3.61	56	24422	82.680	ug/l 98
14) Acrylonitrile	4.99	53	180044	97.554	ug/l 98
15) Acetone	3.82	58	49912	78.346	ug/l 99
16) Carbon Disulfide	4.05	76	151782	18.387	ug/l 99
17) Allyl chloride	4.32	41	103329	18.873	ug/l 96
18) Methylene Chloride	4.55	84	70846	19.280	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	64794	19.338	ug/l 99
20) Diisopropyl ether	5.95	45	213413	19.563	ug/l 99
21) 1,1-Dichloroethane	5.85	63	120145	19.275	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	76395	19.499	ug/l 98
23) tert-Butyl Alcohol	4.79	59	62476	97.042	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	193372	19.370	ug/l 99
25) Chloroform	7.37	83	117243	19.307	ug/l 98
26) Cyclohexane	7.65	56	110214	19.023	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	88393	19.219	ug/l 99
30) 2-Butanone	6.84	43	237798	89.300	ug/l 98
31) 2,2-Dichloropropane	6.82	77	81236	18.250	ug/l # 74
32) 1,1,1-Trichloroethane	7.57	97	96507	19.685	ug/l 99
33) Carbon Tetrachloride	7.77	117	81284	19.267	ug/l 96
34) Benzene	8.04	78	275786	19.515	ug/l 100
35) Methacrylonitrile	7.18	41	41319	20.311	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89482	19.712	ug/l 100
37) Trichloroethene	8.84	130	73745	19.214	ug/l 97
38) Methylcyclohexane	9.08	83	108194	18.621	ug/l 99
39) 1,2-Dichloropropane	9.12	63	74544	19.652	ug/l 99
40) Dibromomethane	9.21	93	47318	19.585	ug/l 98

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 00:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	86227	19.365	ug/l	99
42) Vinyl Acetate	5.90	43	875063	98.737	ug/l	100
43) Ethyl Acetate	6.93	43	94043	19.543	ug/l	97
44) Isopropyl Acetate	8.17	43	145022	19.322	ug/l #	87
45) 1,4-Dioxane	9.20	88	29486	388.331	ug/l	96
46) Methyl methacrylate	9.20	41	68518	19.003	ug/l	97
47) n-amyl Acetate	12.07	43	112910	18.395	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	88339	18.036	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	102849	18.614	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	69259	19.676	ug/l	98
51) Ethyl methacrylate	10.43	69	103736	19.160	ug/l	99
52) 1,3-Dichloropropane	10.71	76	115442	19.601	ug/l	98
53) Dibromochloromethane	10.90	129	67375	18.939	ug/l	99
54) 1,2-Dibromoethane	11.00	107	71373	19.510	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	256702	98.047	ug/l	99
56) Bromoform	12.12	173	47865	18.176	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	477059	100.303	ug/l	100
59) 2-Hexanone	10.75	43	341809	94.676	ug/l	99
61) Tetrachloroethene	10.63	164	74424	20.496	ug/l	98
62) Toluene	10.16	91	298425	20.106	ug/l	98
64) Chlorobenzene	11.43	112	176638	19.513	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	65329	19.684	ug/l	99
66) Ethyl Benzene	11.51	91	308337	19.219	ug/l	99
67) m/p-Xylenes	11.62	106	235842	38.953	ug/l	99
68) o-Xylene	11.95	106	116187	19.674	ug/l	97
69) Styrene	11.96	104	187308	19.142	ug/l	99
70) Isopropylbenzene	12.25	105	303653	19.616	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	100369	19.977	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	116531	27.137	ug/l	66
73) Bromobenzene	12.52	156	78653	19.444	ug/l	99
74) n-propylbenzene	12.59	91	326800	18.713	ug/l	99
75) 2-Chlorotoluene	12.67	91	205875	19.573	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	255236	19.331	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	24371	17.073	ug/l	95
78) 4-Chlorotoluene	12.77	91	190142	18.642	ug/l	99
79) tert-butylbenzene	12.99	119	216639	19.288	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	252124	19.254	ug/l	98
81) sec-Butylbenzene	13.17	105	282627	19.010	ug/l	99
82) p-Isopropyltoluene	13.29	119	256989	19.007	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	123103	18.259	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	116428	18.016	ug/l	100
85) n-Butylbenzene	13.61	91	194393	17.430	ug/l	99
86) Hexachloroethane	13.87	117	38383	18.093	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	128947	19.032	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	16078	18.548	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	58250	15.984	ug/l	97
90) Hexachlorobutadiene	15.01	225	42602	17.980	ug/l	99
91) Naphthalene	15.13	128	157128	16.030	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	64895	16.982	ug/l	99

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ClientSampleId :

Quant Time: Jul 13 00:10:32 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

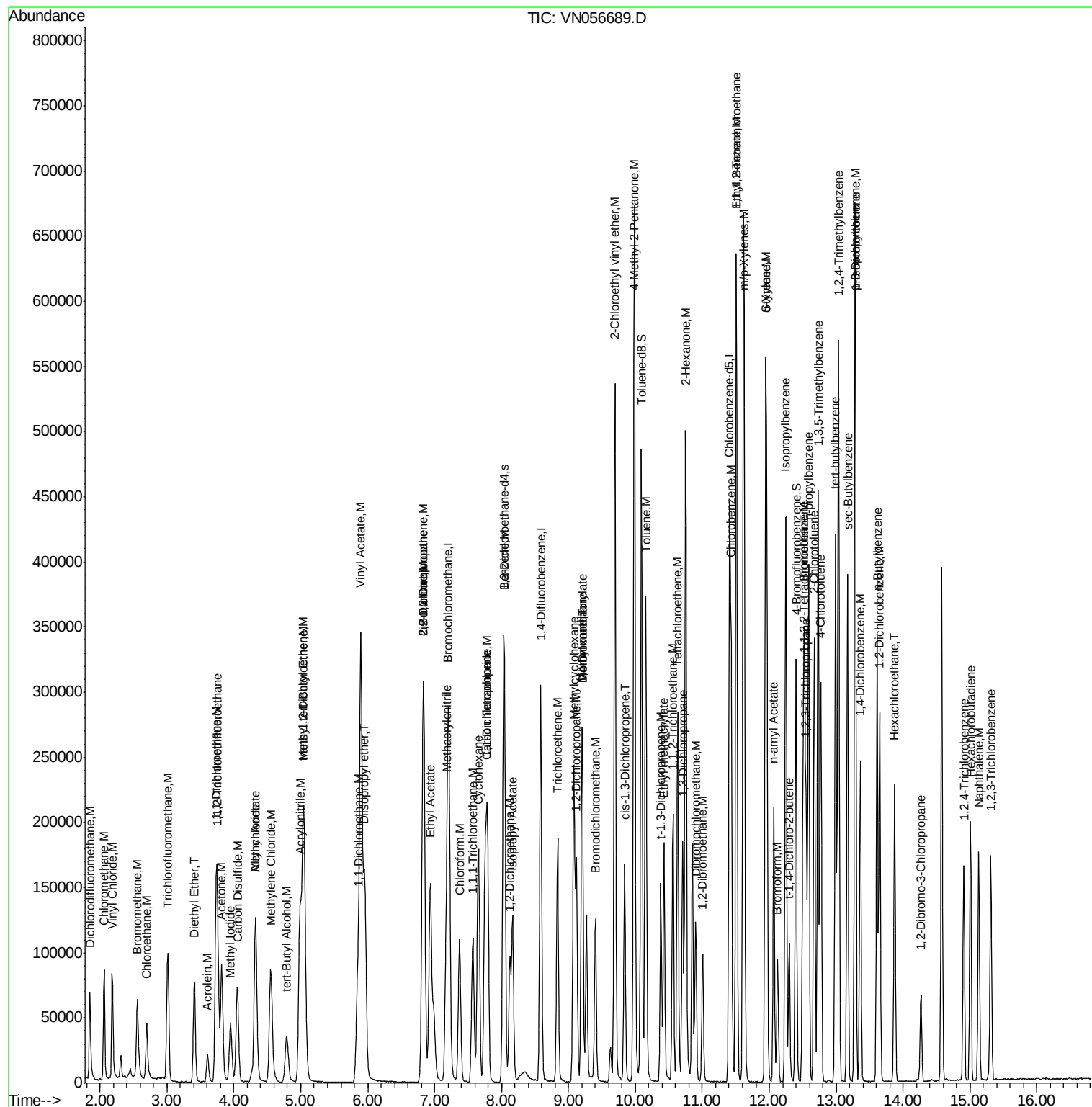
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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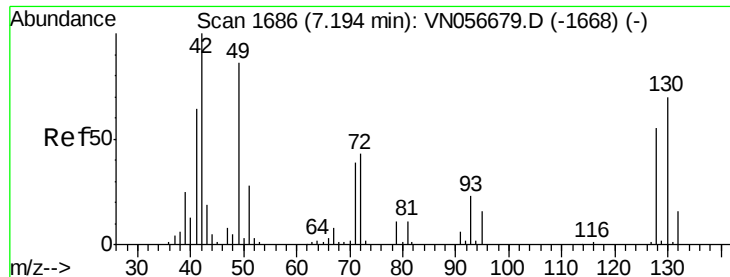
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN056689.D
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 13 00:10:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampled :

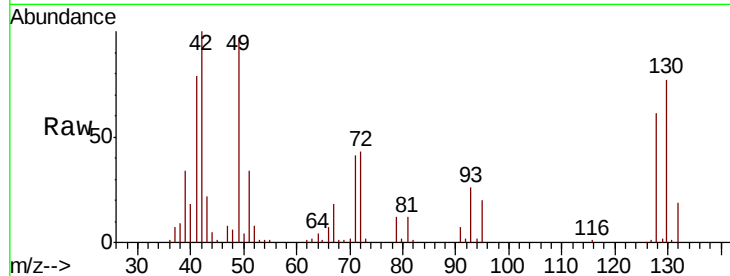
Tot Ion:128 Resp: 53067

Ion Ratio Lower Upper

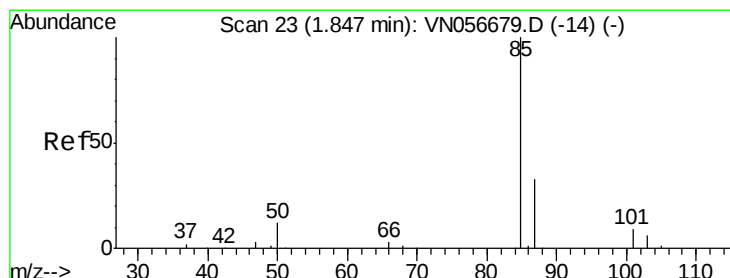
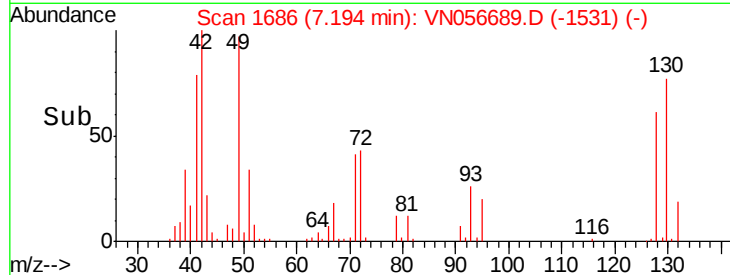
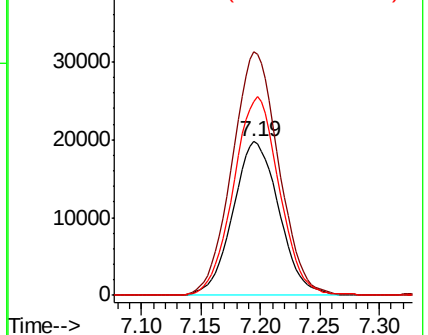
128 100

49 159.9 0.0 390.5

130 128.5 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.552 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056689.D

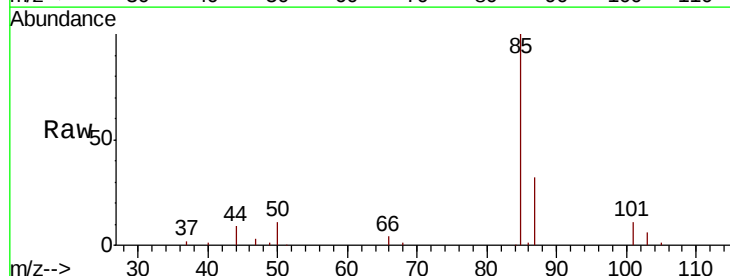
Acq: 12 Jul 2019 14:49

Tgt Ion: 85 Resp: 58959

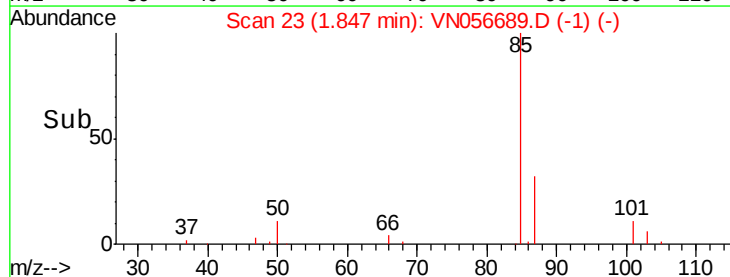
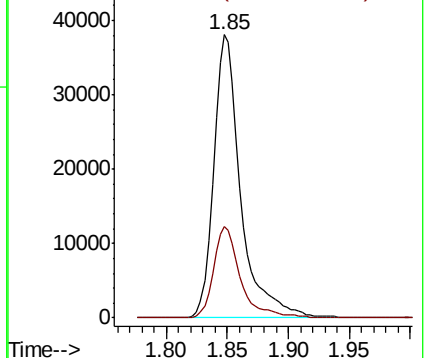
Ion Ratio Lower Upper

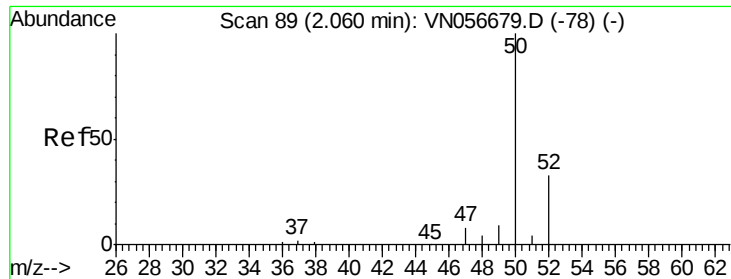
85 100

87 32.3 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.118 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

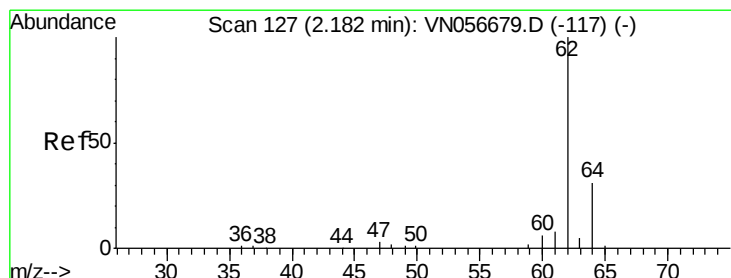
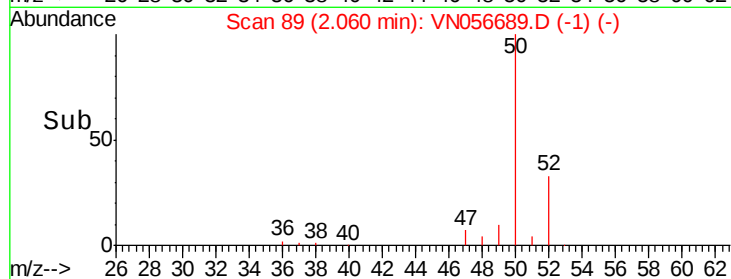
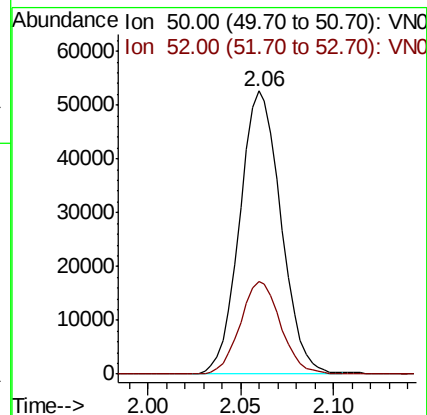
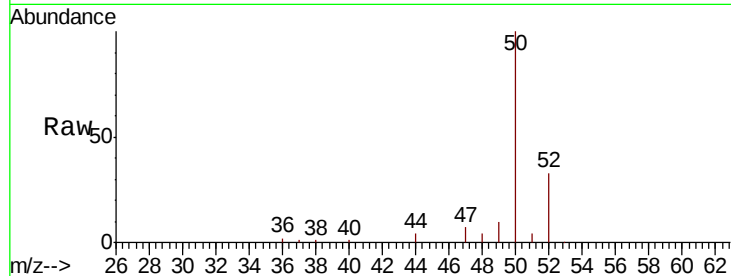
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 81132

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 19.827 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056689.D

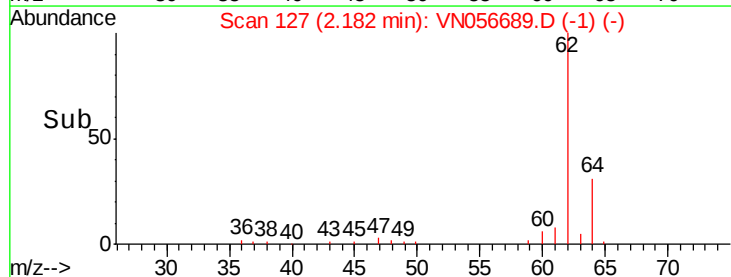
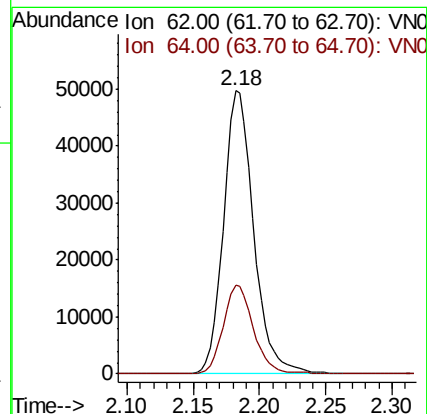
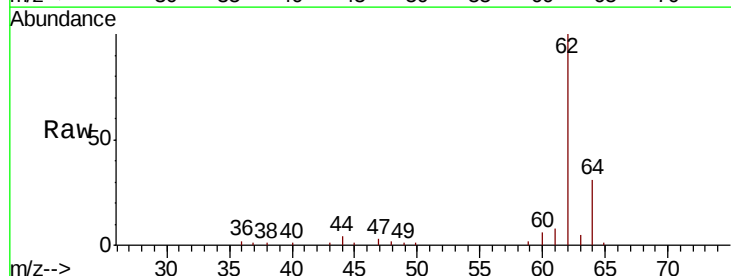
Acq: 12 Jul 2019 14:49

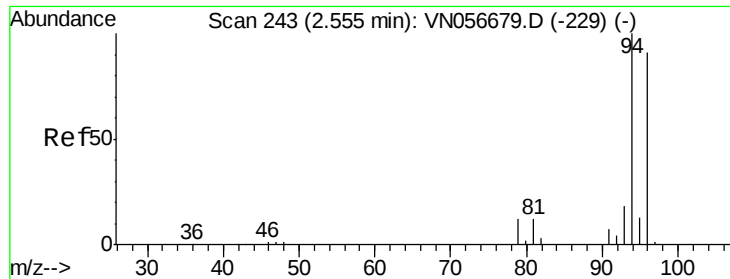
Tgt Ion: 62 Resp: 78646

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4

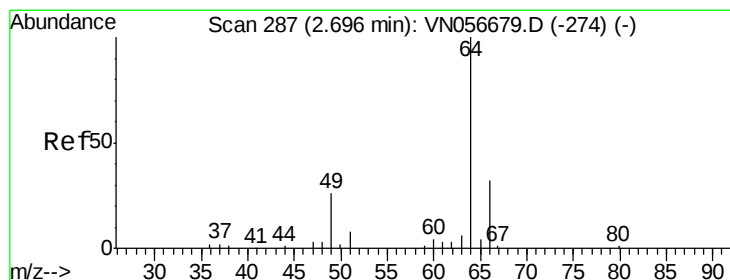
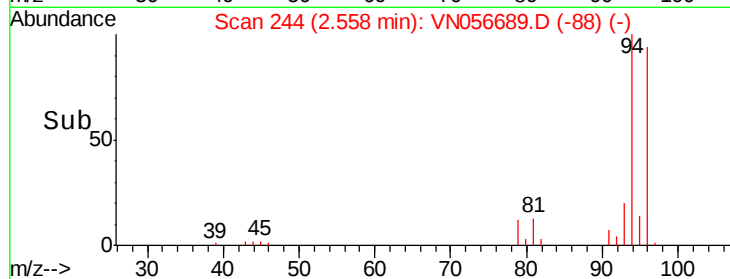
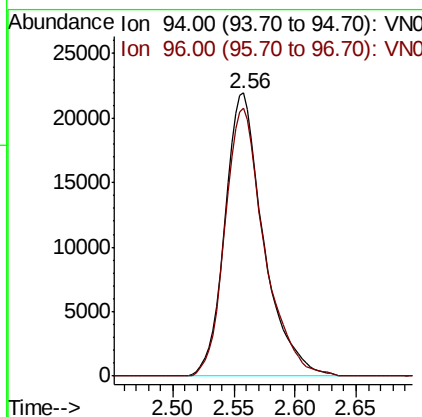
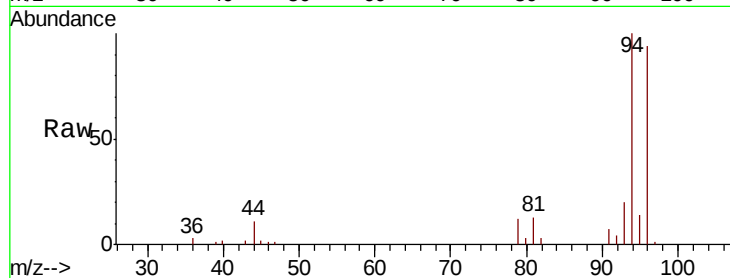




#5
Bromomethane
Concen: 19.403 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

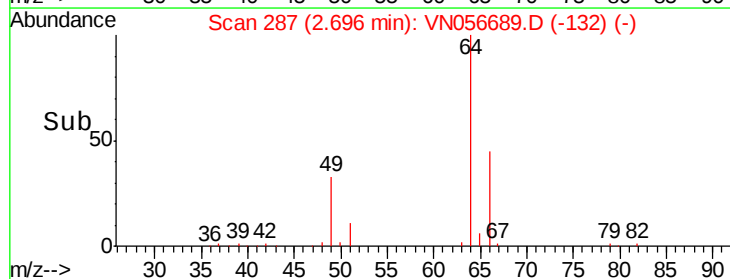
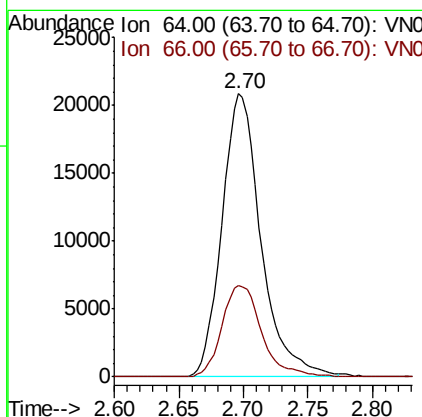
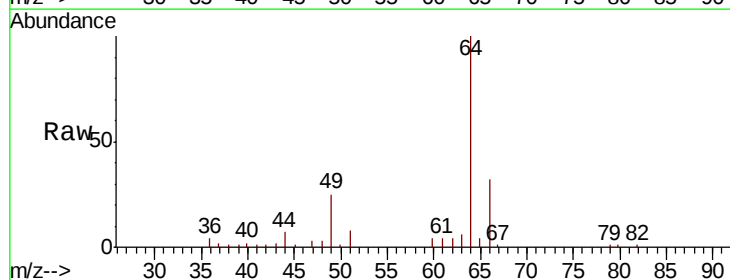
Instrument :
MSVOA_N
ClientSampled :

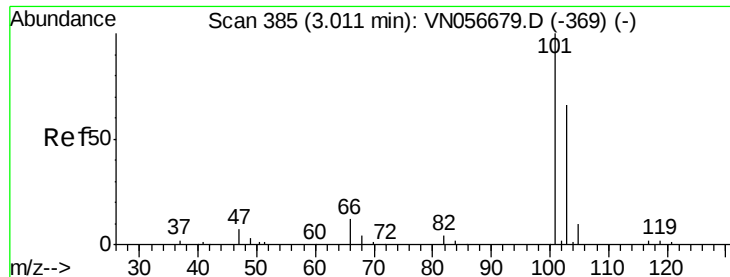
Tot Ion: 94 Resp: 48511
Ion Ratio Lower Upper
94 100
96 94.5 72.8 109.2



#6
Chloroethane
Concen: 19.371 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 64 Resp: 43905
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5



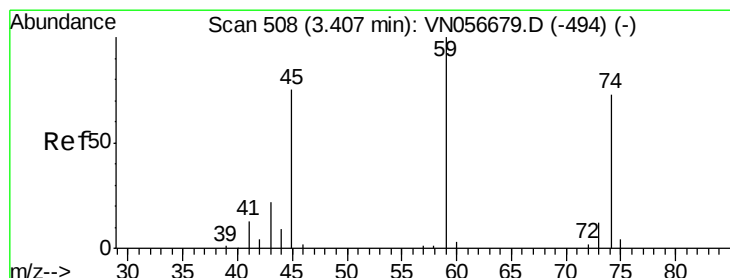
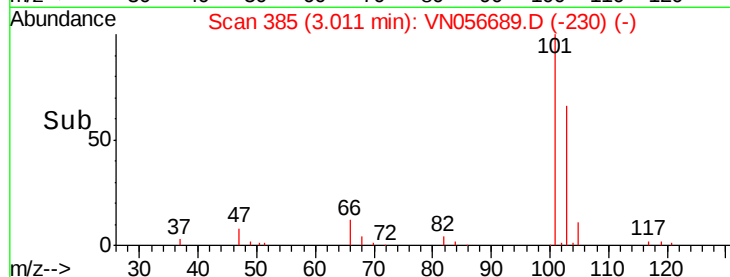
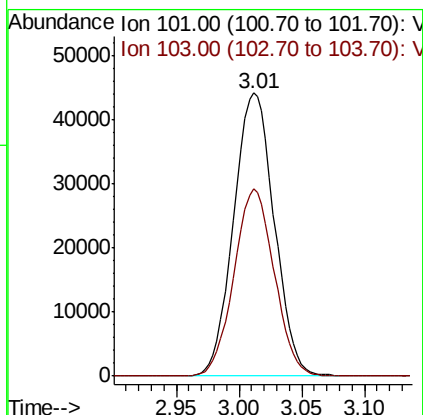
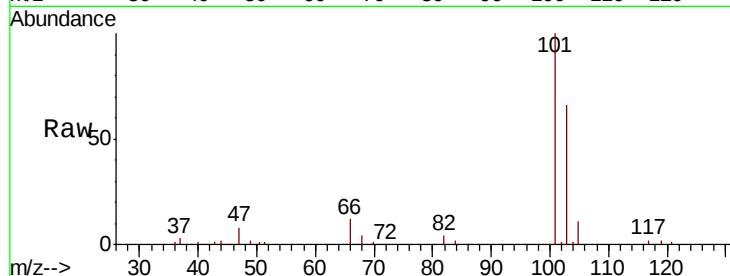


#7

Trichlorofluoromethane
 Concen: 19.596 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampled :

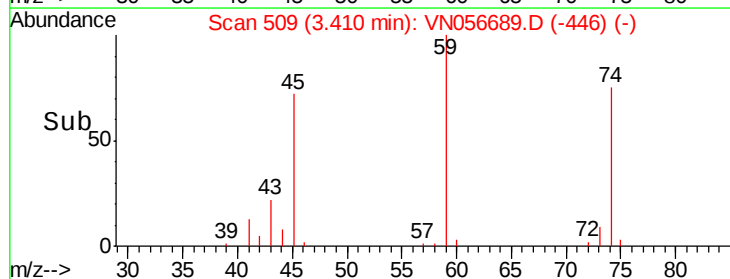
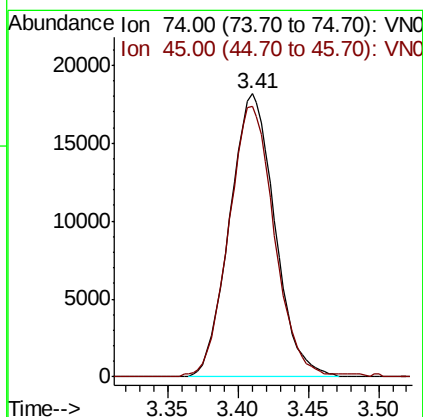
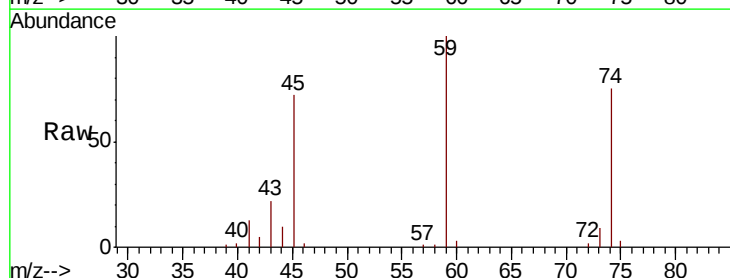
Tot Ion:101 Resp: 99695
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.8 79.2

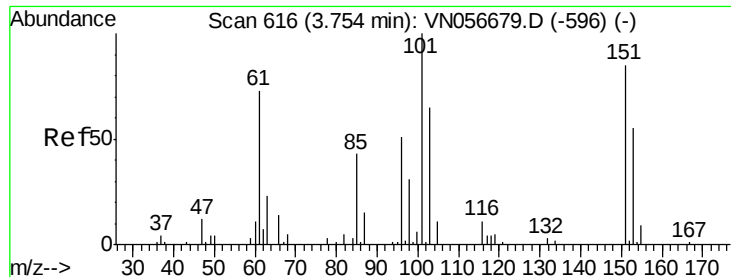


#8

Diethyl Ether
 Concen: 19.535 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 74 Resp: 40643
 Ion Ratio Lower Upper
 74 100
 45 96.2 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.233 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056689.D

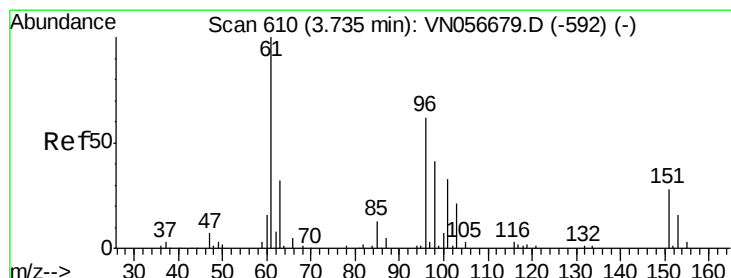
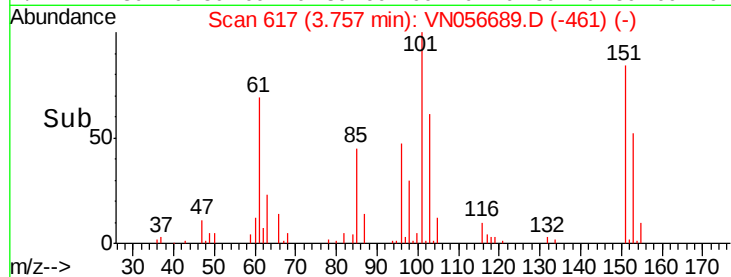
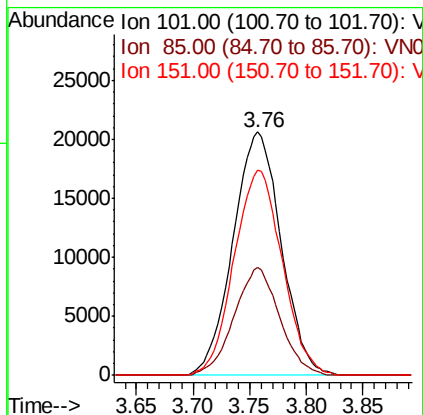
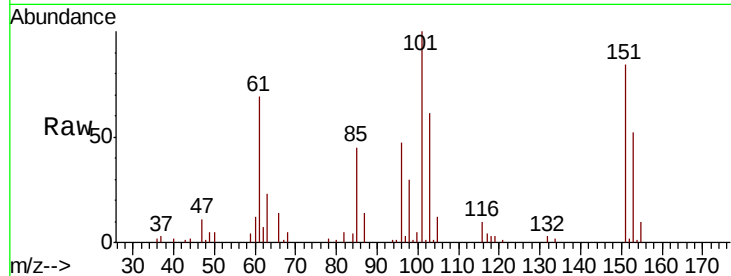
Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	101	Resp:	61017
Ion	Ratio	Lower	Upper
101	100		
85	41.8	0.0	84.2
151	84.2	0.0	167.6



#10

1,1-Dichloroethene

Concen: 19.307 ug/l

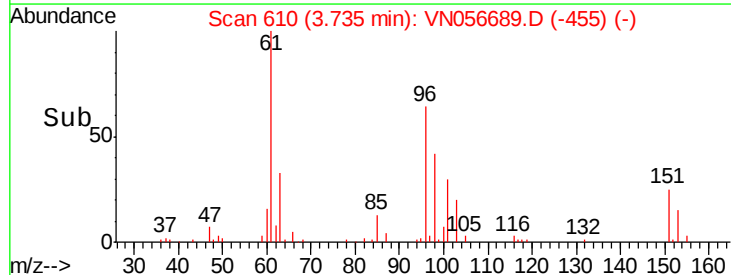
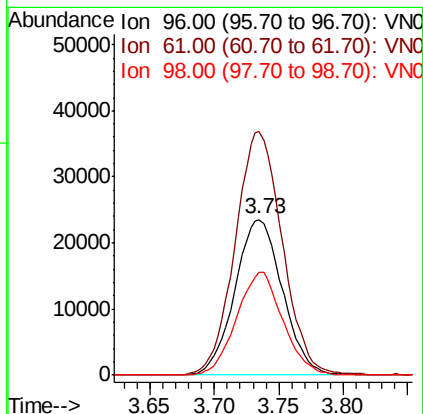
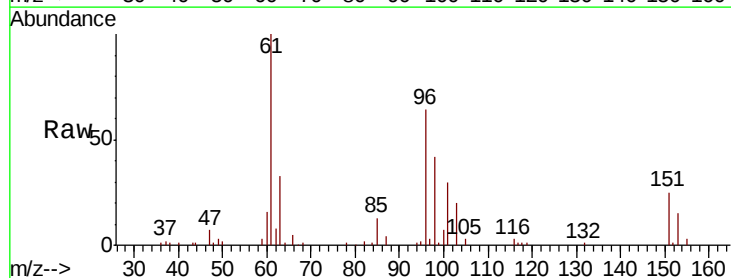
RT: 3.73 min Scan# 610

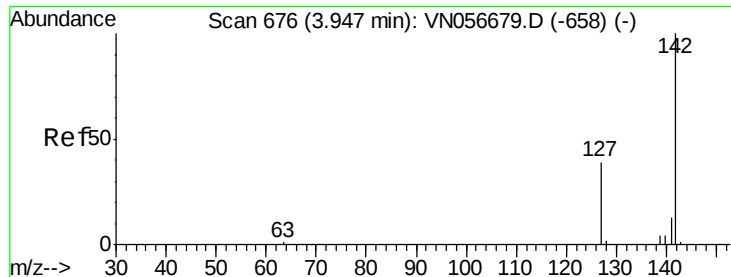
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	96	Resp:	60427
Ion	Ratio	Lower	Upper
96	100		
61	155.2	129.0	193.4
98	65.7	52.5	78.7

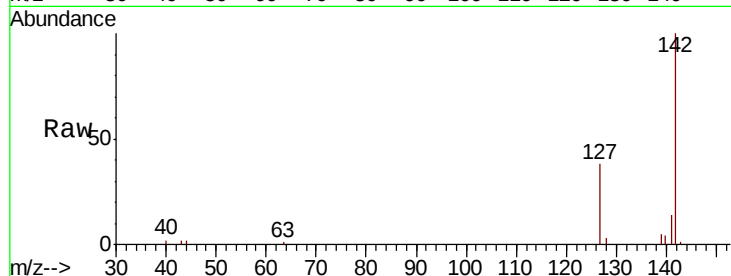




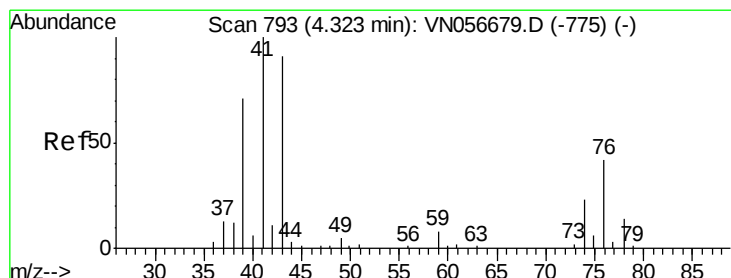
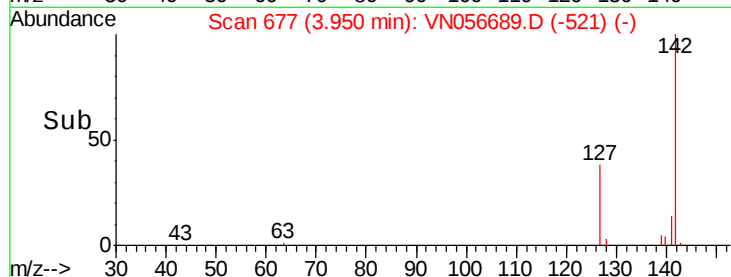
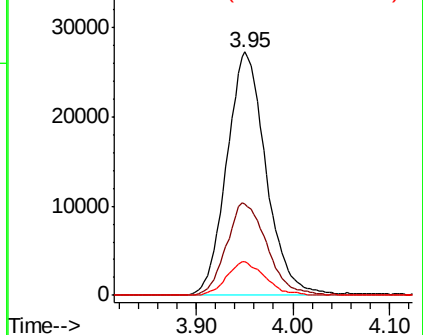
#11
Methyl Iodide
Concen: 18.530 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 77072
Ion Ratio Lower Upper
142 100
127 37.8 19.5 58.5
141 14.1 6.8 20.3

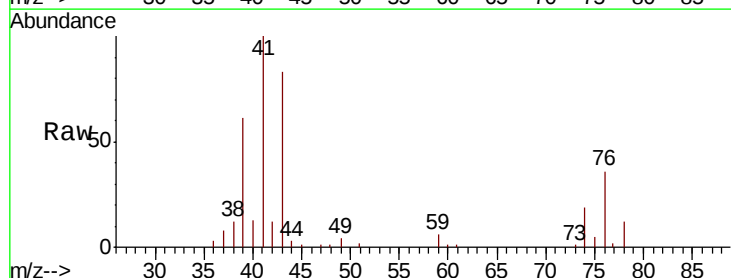


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

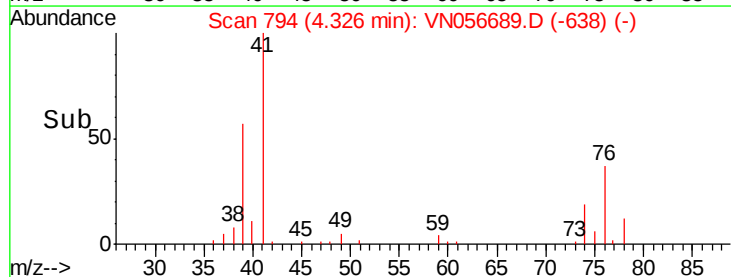
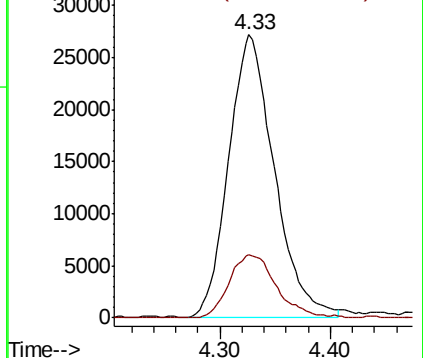


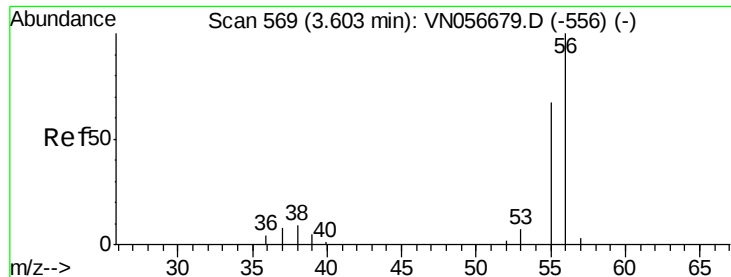
#12
Methyl Acetate
Concen: 18.673 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 43 Resp: 78234
Ion Ratio Lower Upper
43 100
74 22.3 20.2 30.4



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





#13

Acrolein

Concen: 82.680 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

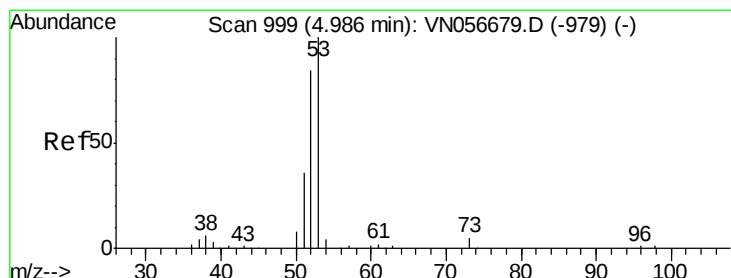
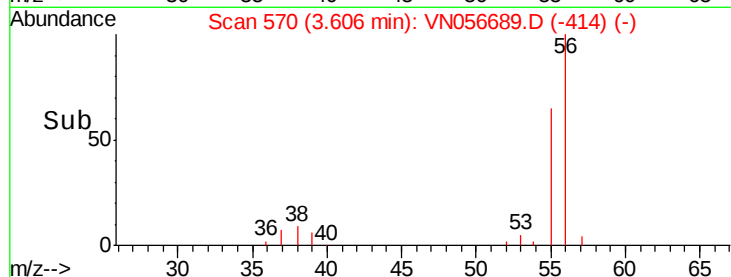
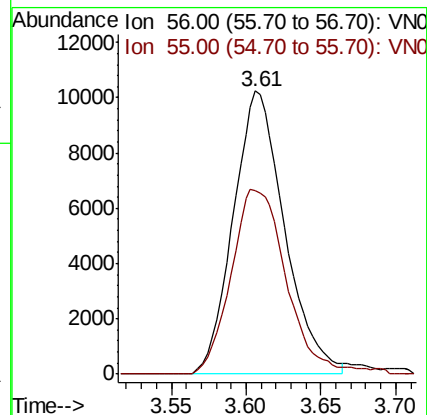
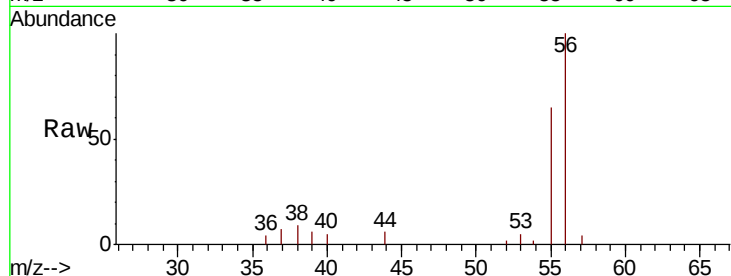
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 24422

Ion Ratio Lower Upper

56 100

55 69.2 56.9 85.3



#14

Acrylonitrile

Concen: 97.554 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

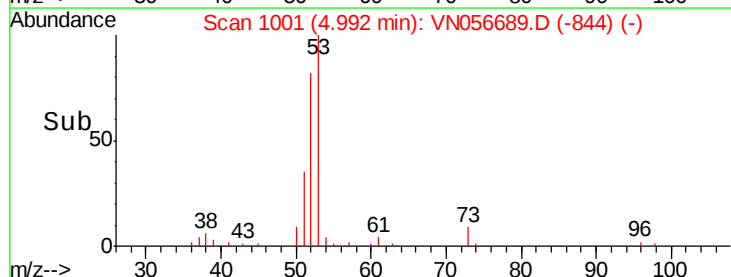
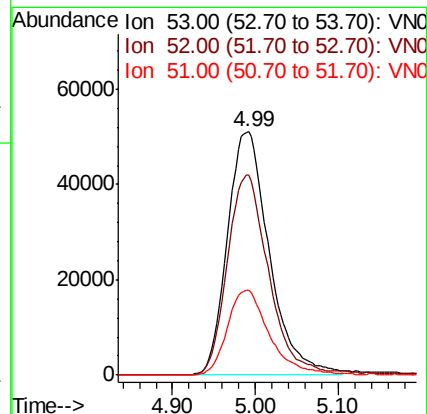
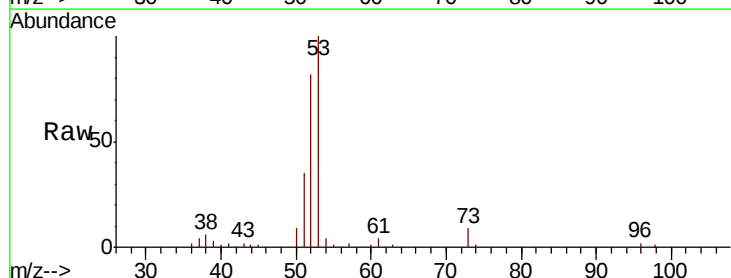
Tgt Ion: 53 Resp: 180044

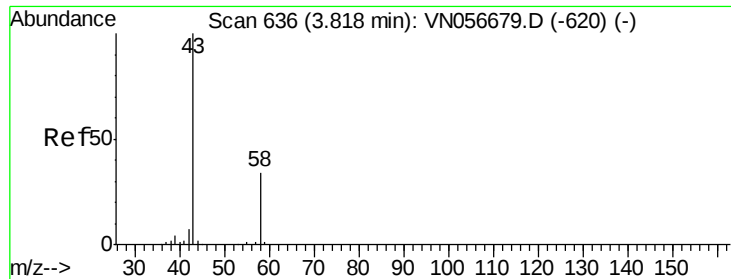
Ion Ratio Lower Upper

53 100

52 80.3 41.3 123.7

51 35.0 17.7 53.1





#15

Acetone

Concen: 78.346 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

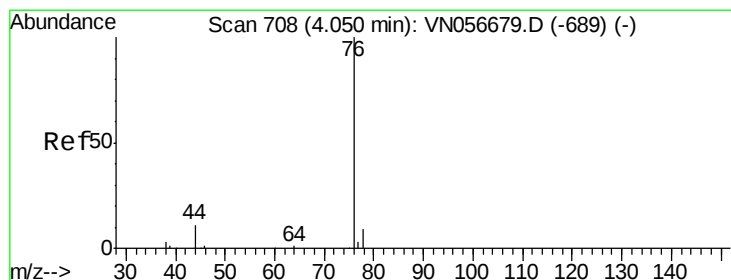
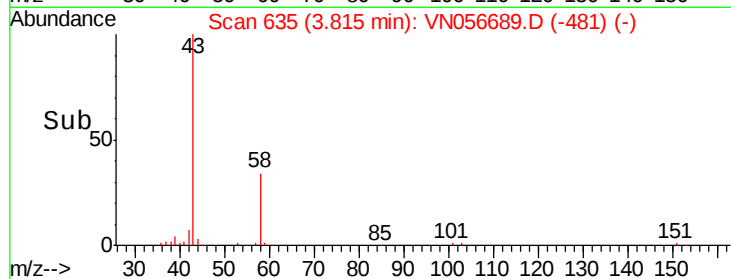
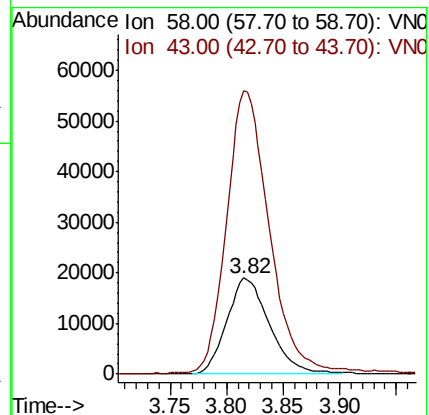
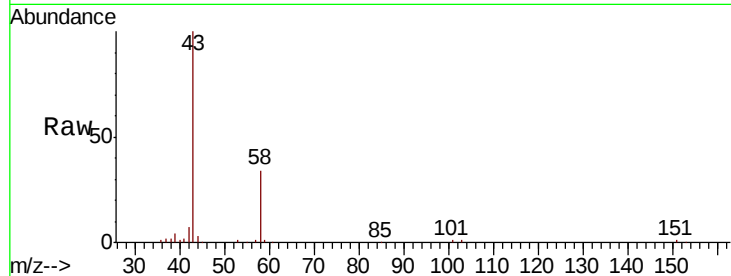
ClientSampleId :

Tot Ion: 58 Resp: 49912

Ion Ratio Lower Upper

58 100

43 291.1 233.9 350.9



#16

Carbon Disulfide

Concen: 18.387 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056689.D

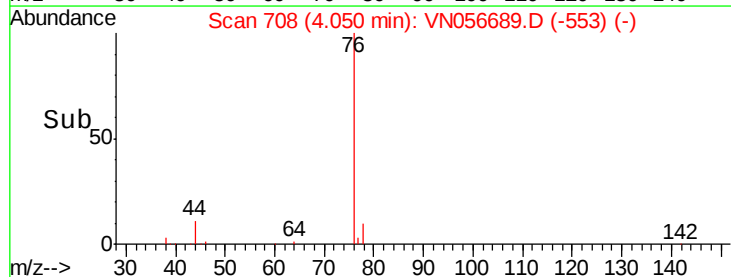
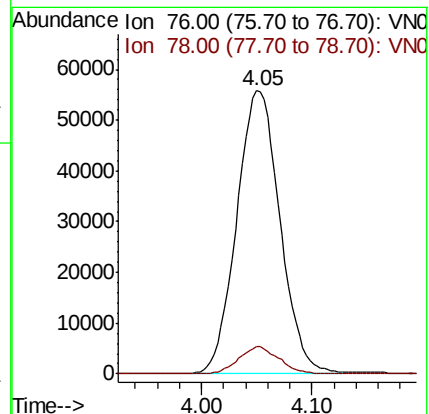
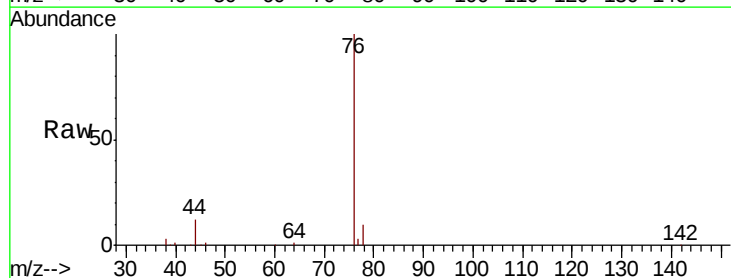
Acq: 12 Jul 2019 14:49

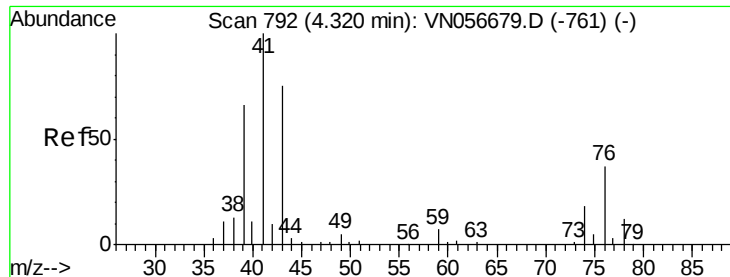
Tgt Ion: 76 Resp: 151782

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

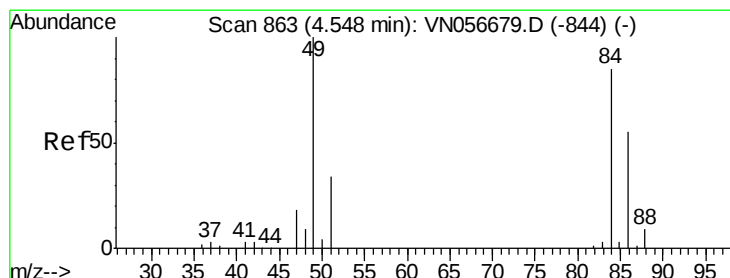
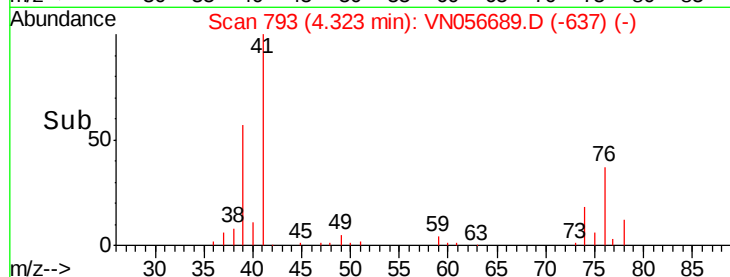
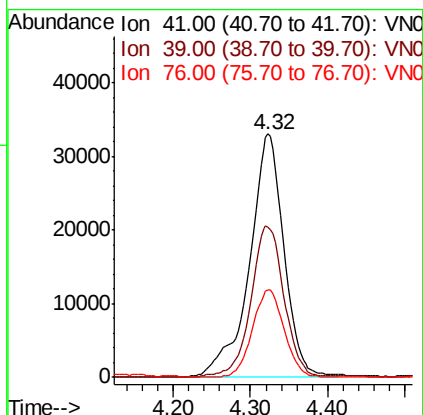
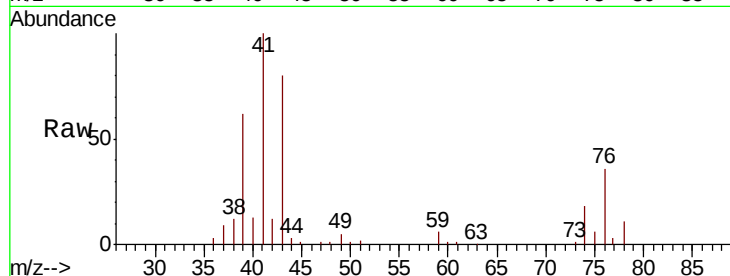




#17
Allvl chloride
Concen: 18.873 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

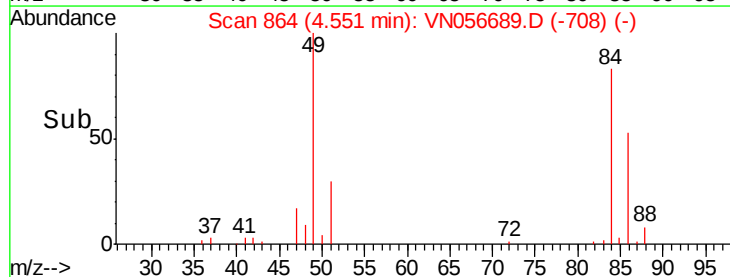
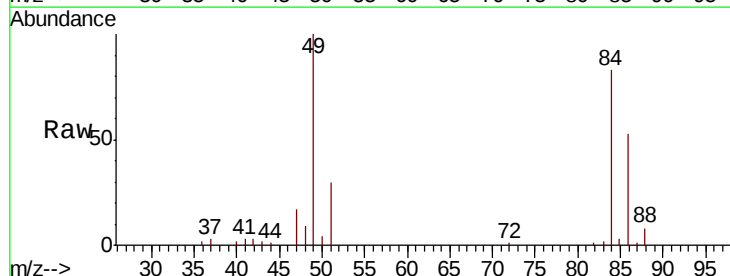
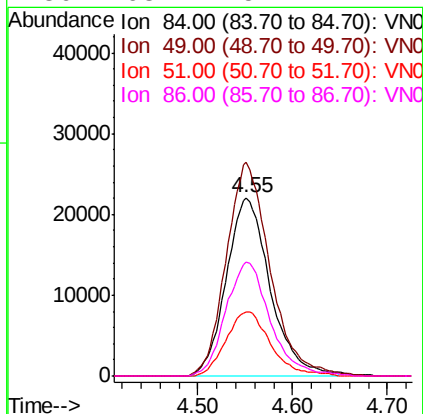
Instrument :
MSVOA_N
ClientSampleId :

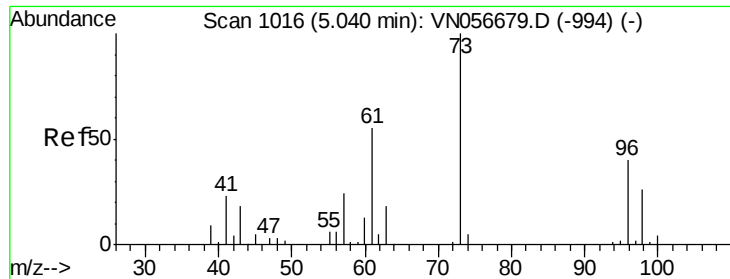
Tot Ion: 41 Resp: 103329
Ion Ratio Lower Upper
41 100
39 61.6 32.8 98.4
76 35.9 18.5 55.5



#18
Methylene Chloride
Concen: 19.280 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 84 Resp: 70846
Ion Ratio Lower Upper
84 100
49 120.1 93.9 140.9
51 35.8 31.7 47.5
86 63.7 51.4 77.2

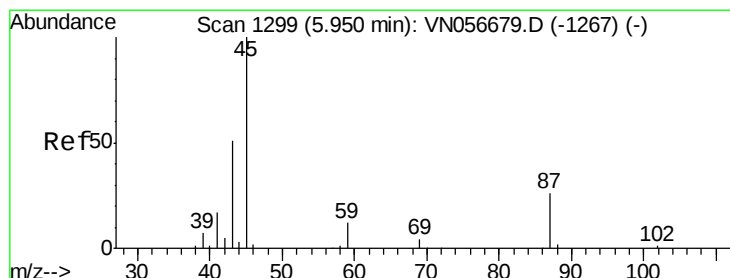
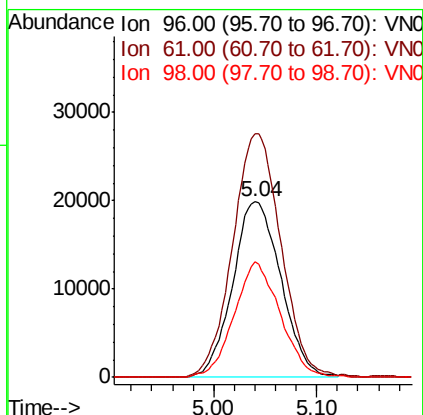
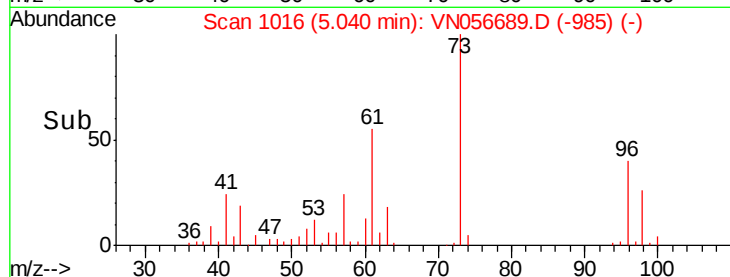
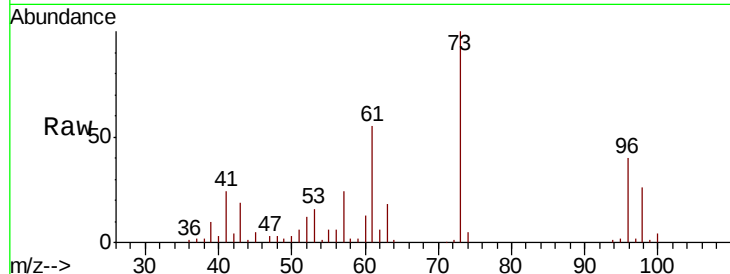




#19
trans-1,2-Dichloroethene
Concen: 19.338 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

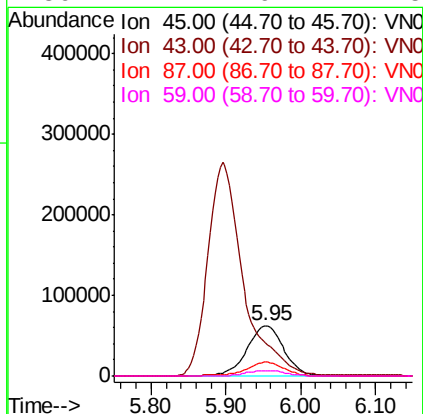
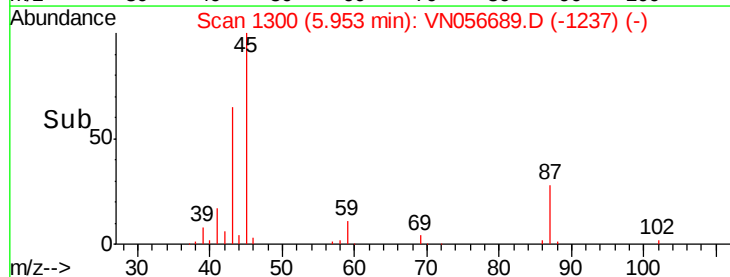
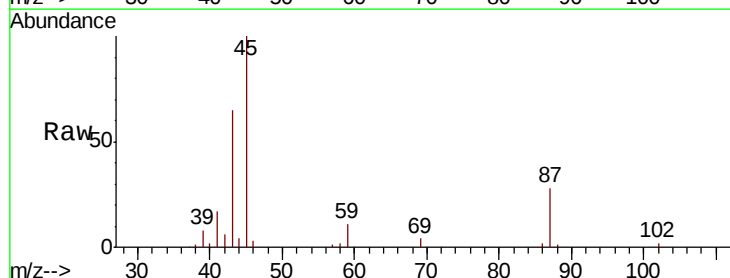
Instrument :
MSVOA_N
ClientSampled :

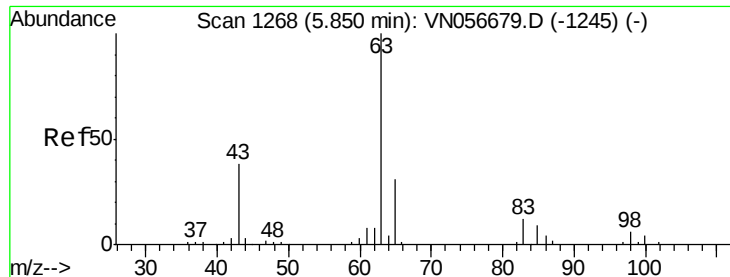
Tot Ion: 96 Resp: 64794
Ion Ratio Lower Upper
96 100
61 137.5 109.6 164.4
98 65.5 51.4 77.2



#20
Diisopropyl ether
Concen: 19.563 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 45 Resp: 213413
Ion Ratio Lower Upper
45 100
43 62.6 50.3 75.5
87 27.6 21.4 32.0
59 11.1 9.7 14.5

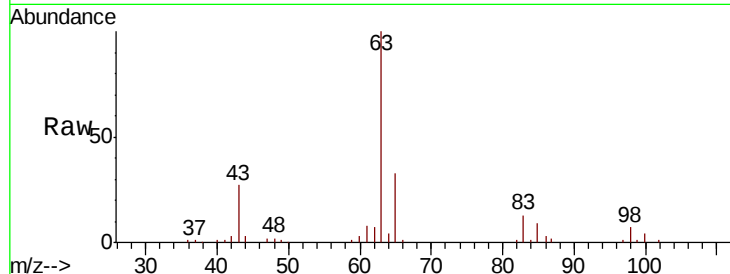




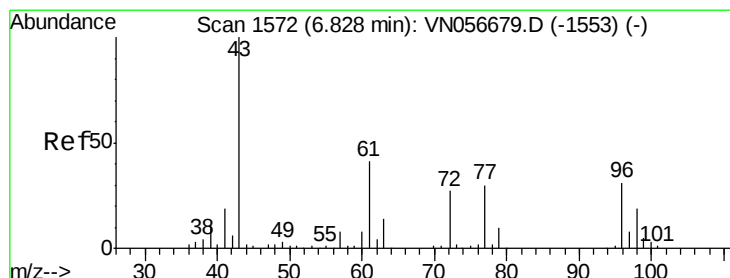
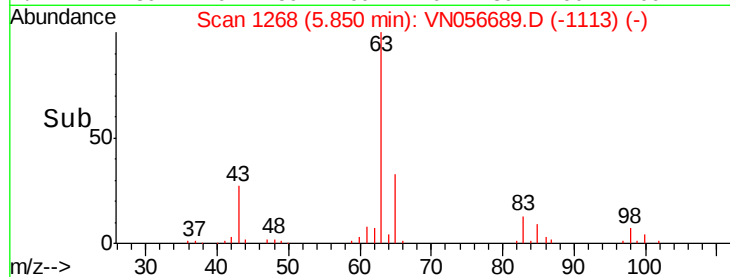
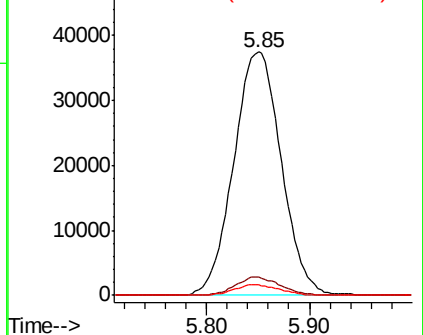
#21
 1,1-Dichloroethane
 Concen: 19.275 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	63	Resp	120145
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.2	2.1	6.3

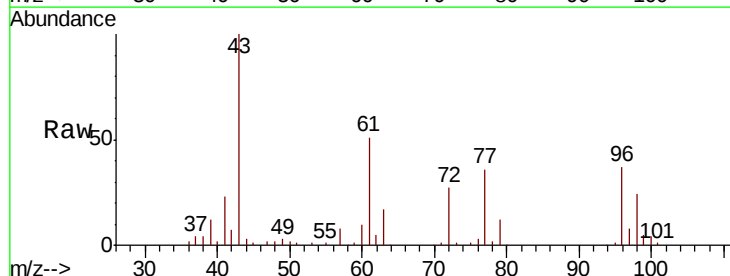


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

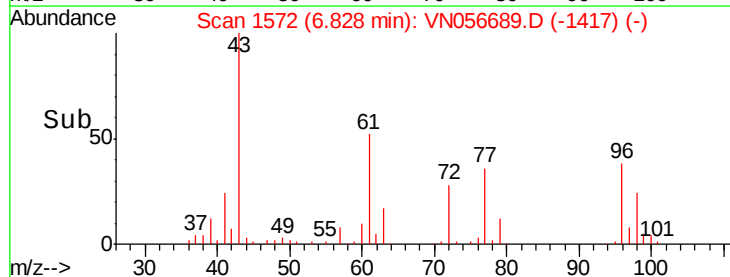
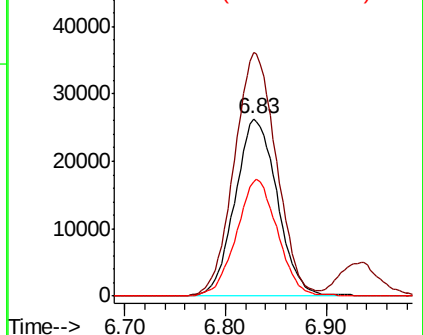


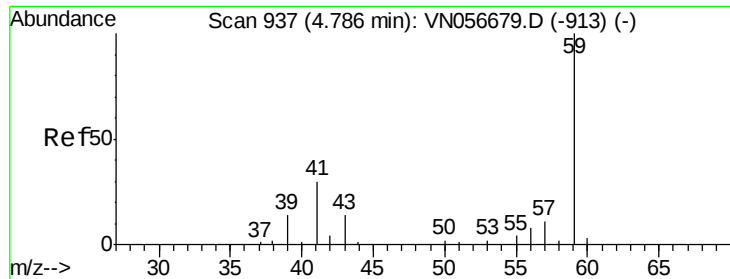
#22
 cis-1,2-Dichloroethene
 Concen: 19.499 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	96	Resp	76395
Ion	Ratio	Lower	Upper
96	100		
61	137.2	112.1	168.1
98	63.7	52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



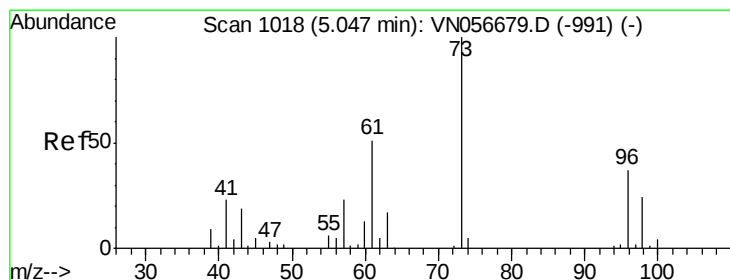
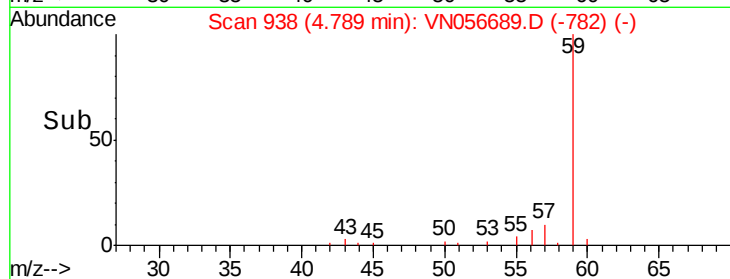
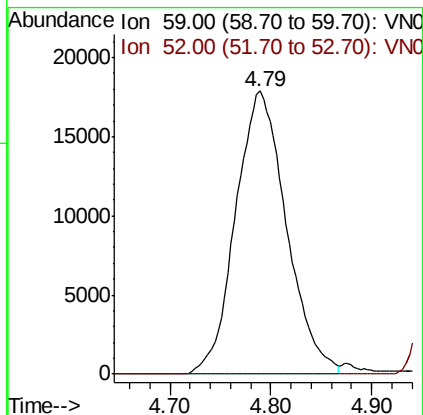
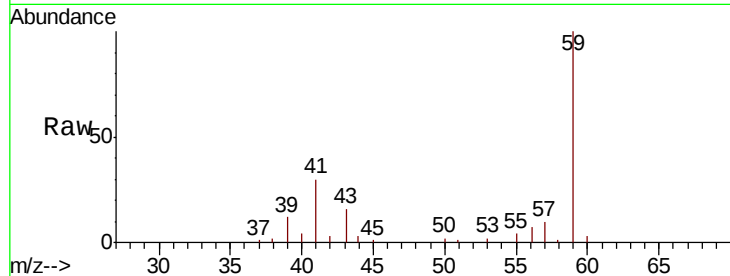


#23

tert-Butyl Alcohol
 Concen: 97.042 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :

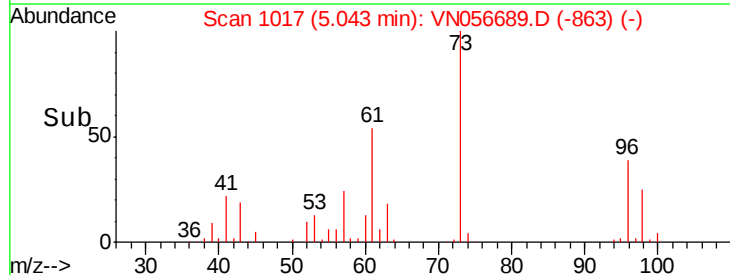
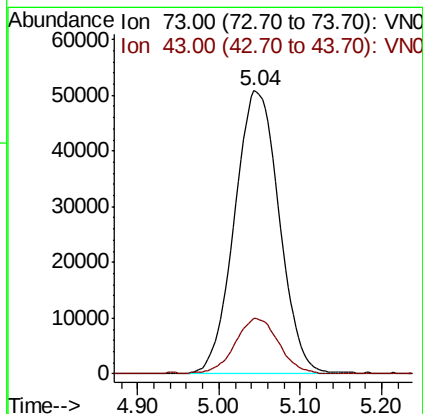
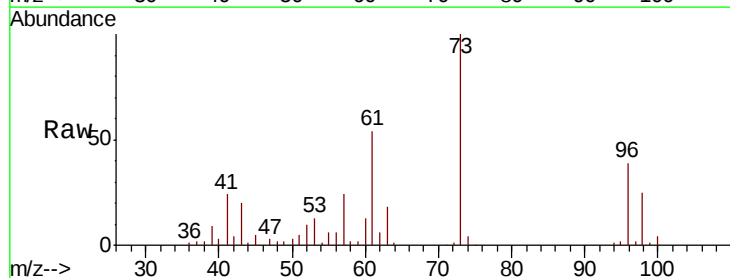
Tot Ion: 59 Resp: 62476
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

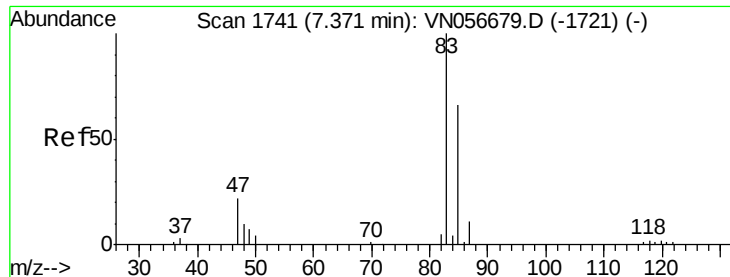


#24

Methyl tert-Butyl Ether
 Concen: 19.370 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 73 Resp: 193372
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.1 22.7

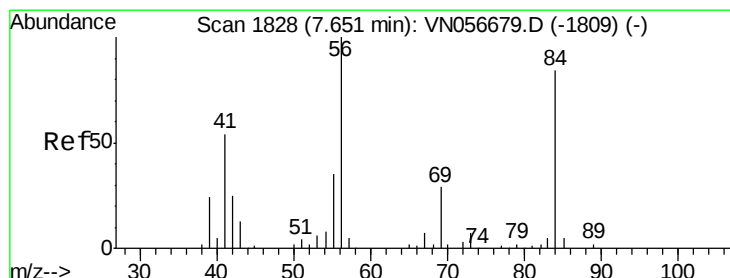
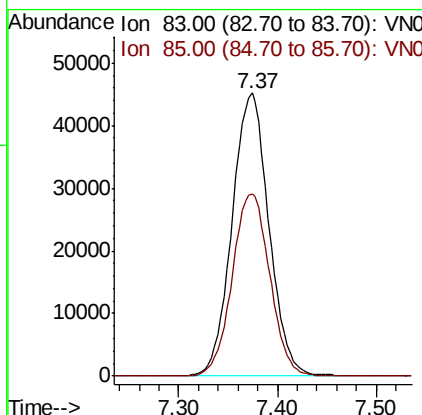
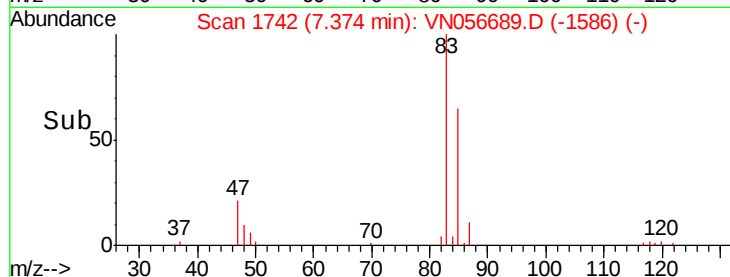
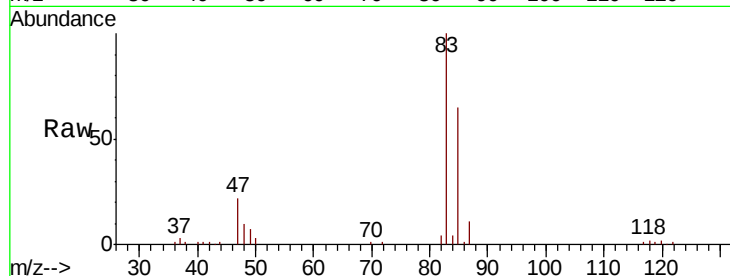




#25
Chloroform
Concen: 19.307 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

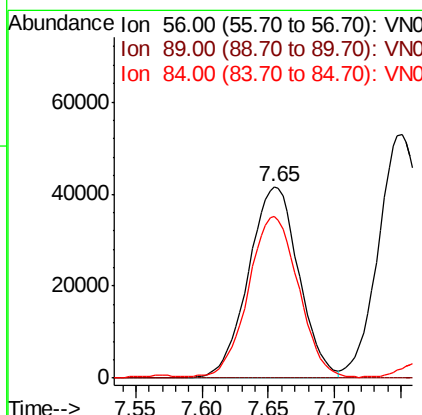
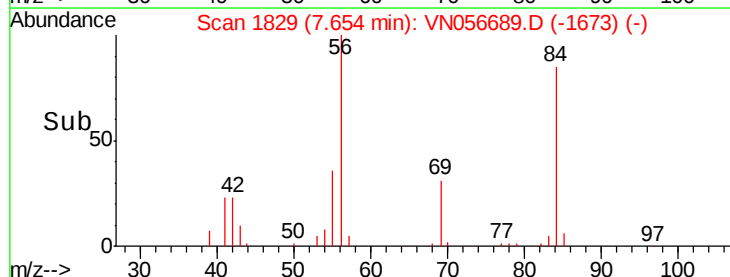
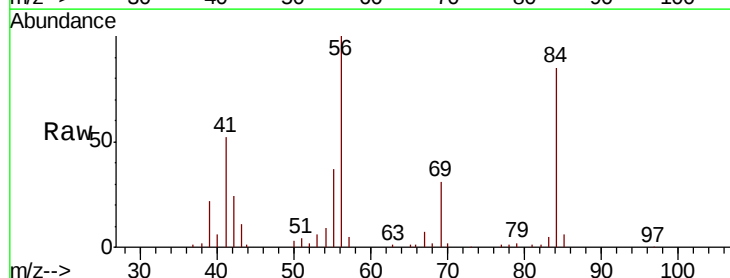
Instrument :
MSVOA_N
ClientSampled :

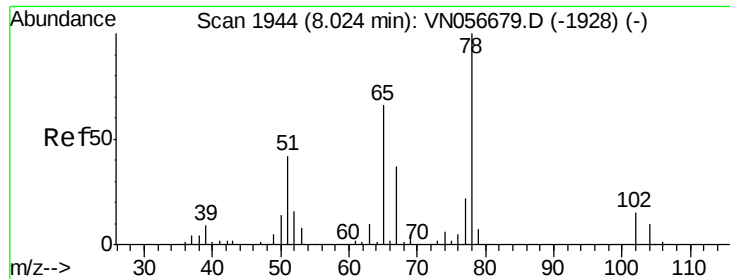
Tot Ion: 83 Resp: 117243
Ion Ratio Lower Upper
83 100
85 64.5 52.6 79.0



#26
Cyclohexane
Concen: 19.023 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 56 Resp: 110214
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 84.7 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.887 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

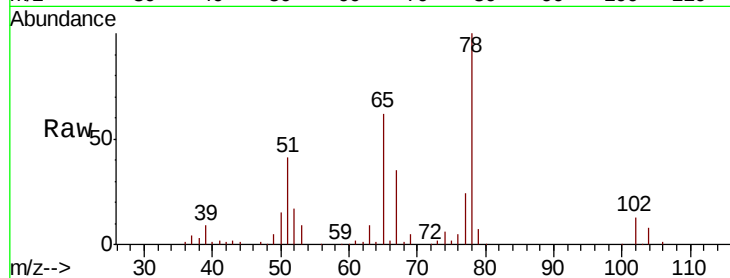
ClientSampled :

Tot Ion: 65 Resp: 107432

Ion Ratio Lower Upper

65 100

67 54.9 43.4 65.0



Abundance Ion 65.00 (64.70 to 65.70): VN056679.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056679.D (-1928) (-)

8.03

50000

40000

30000

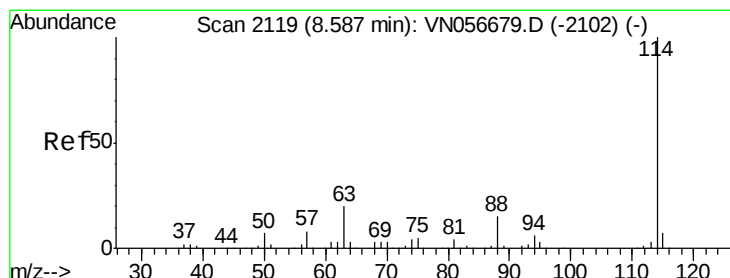
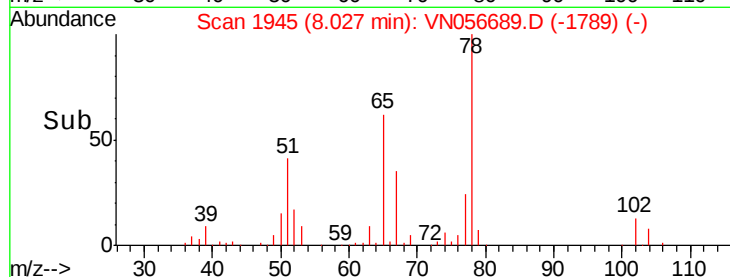
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

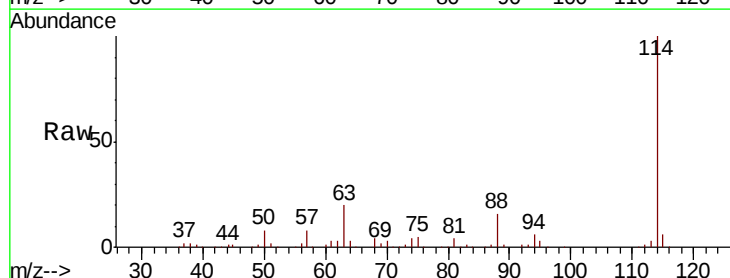
Tgt Ion: 114 Resp: 289342

Ion Ratio Lower Upper

114 100

63 19.7 16.2 24.2

88 15.1 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN056679.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056679.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056679.D (-2102) (-)

8.59

150000

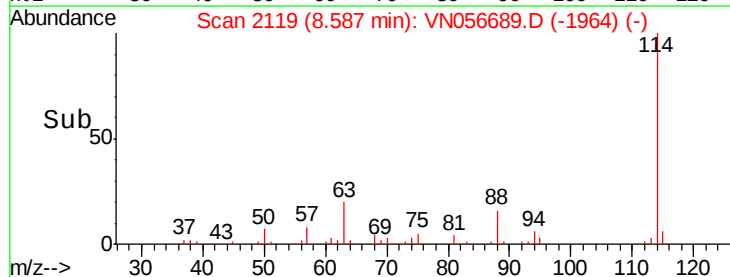
100000

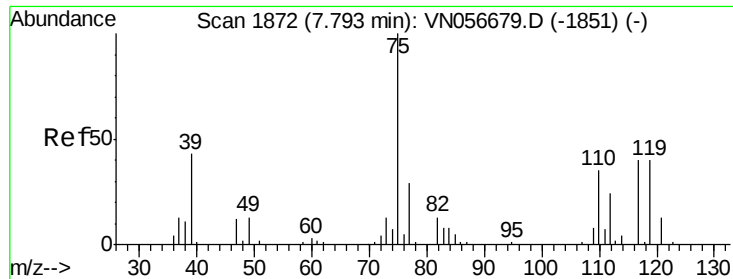
50000

0

8.50 8.55 8.60 8.65

Time-->

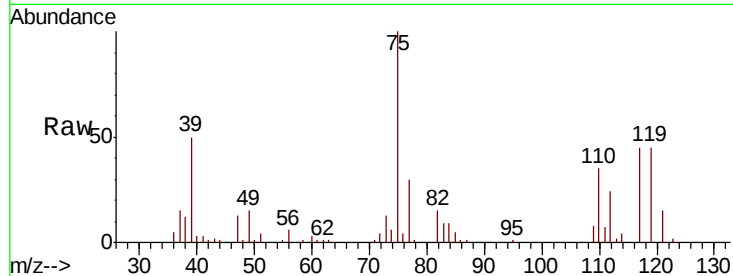




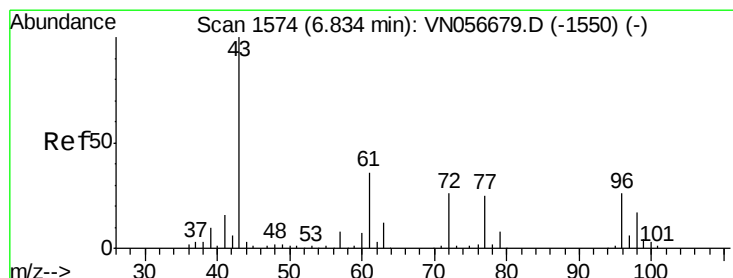
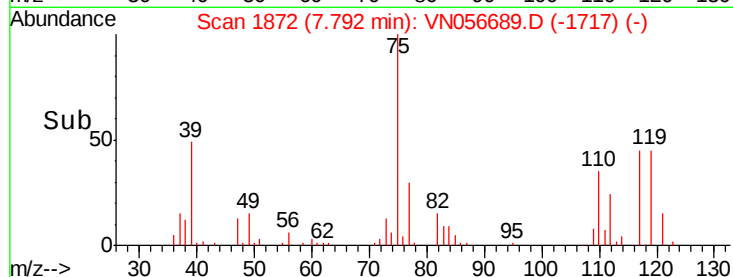
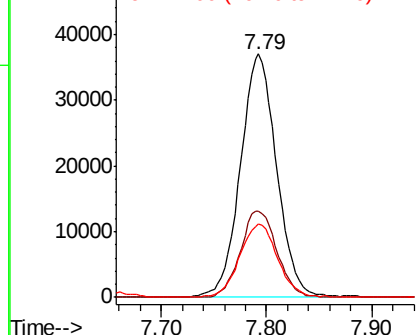
#29
 1,1-Dichloropropene
 Concen: 19.219 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 88393
 Ion Ratio Lower Upper
 75 100
 110 35.8 0.0 72.4
 77 31.4 0.0 62.2

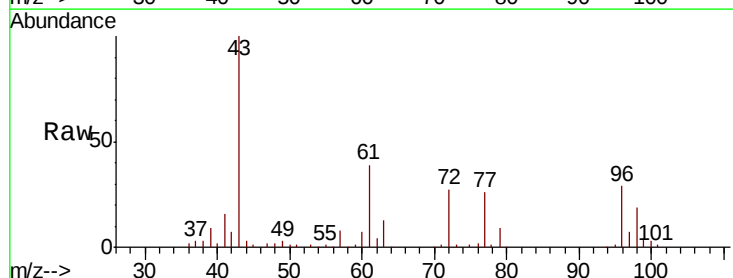


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

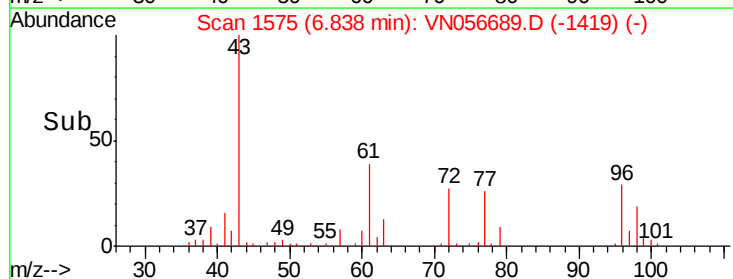
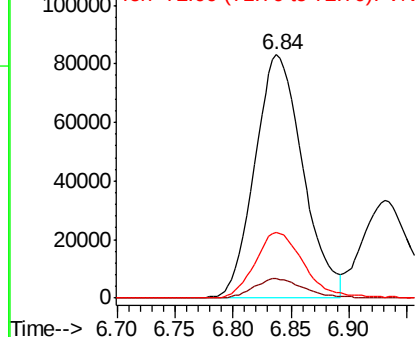


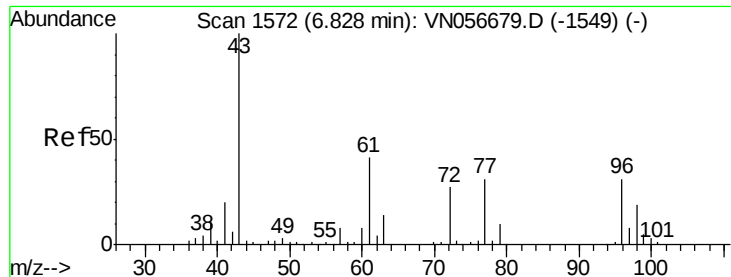
#30
 2-Butanone
 Concen: 89.300 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 43 Resp: 237798
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.6 10.0
 72 27.7 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

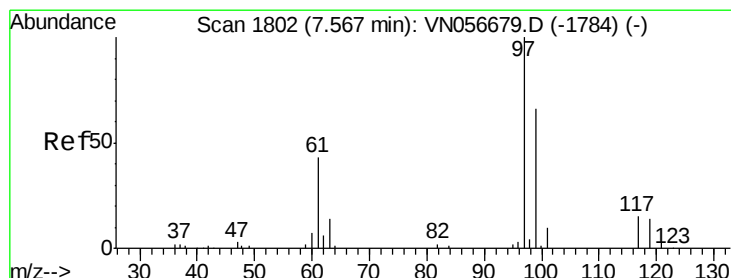
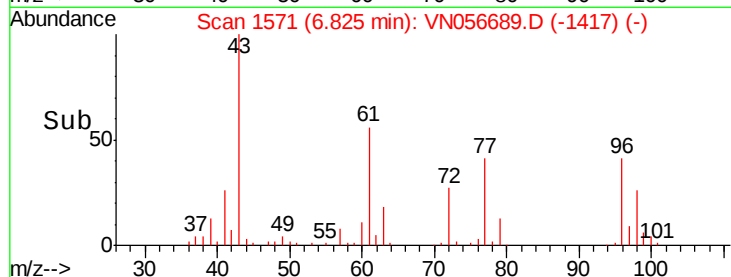
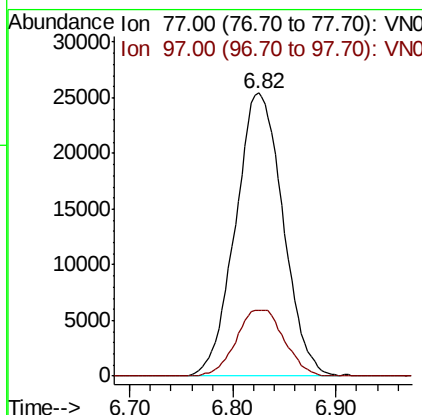
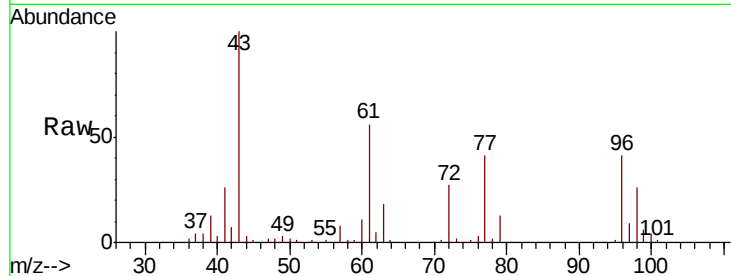




#31
 2,2-Dichloropropane
 Concen: 18.250 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

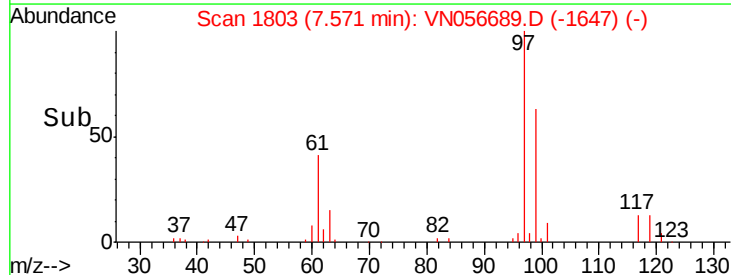
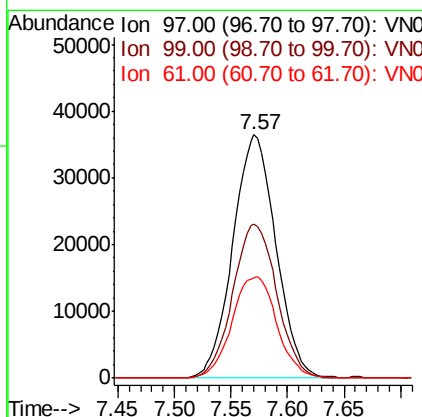
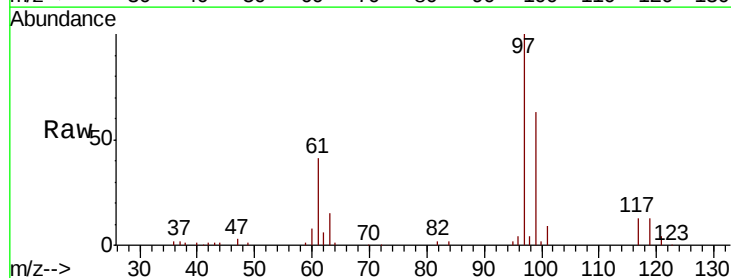
Instrument :
 MSVOA_N
 ClientSampleId :

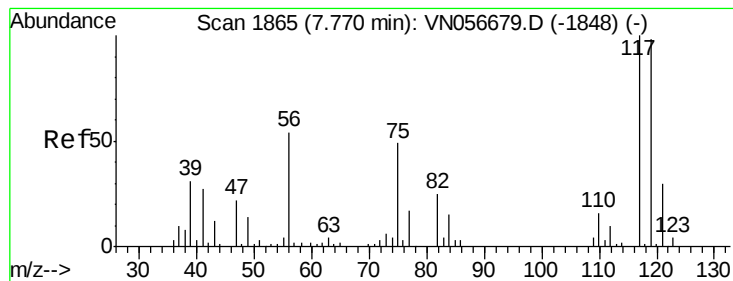
Tot Ion: 77 Resp: 81236
 Ion Ratio Lower Upper
 77 100
 97 11.7 19.7 29.5#



#32
 1,1,1-Trichloroethane
 Concen: 19.685 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 97 Resp: 96507
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 43.3 34.4 51.6





#33

Carbon Tetrachloride

Concen: 19.267 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

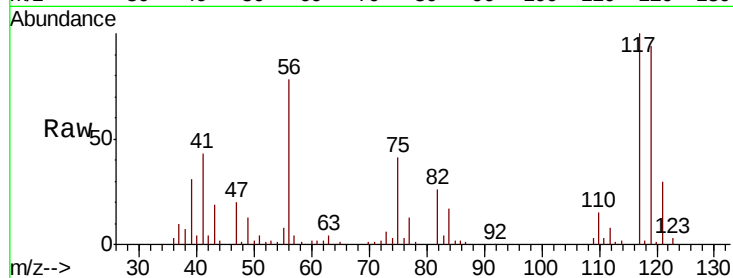
Tot Ion:117 Resp: 81284

Ion Ratio Lower Upper

117 100

119 93.9 78.7 118.1

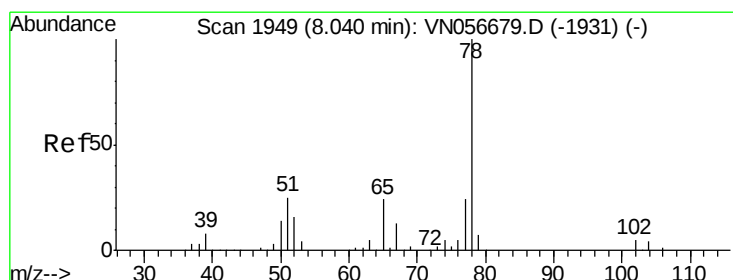
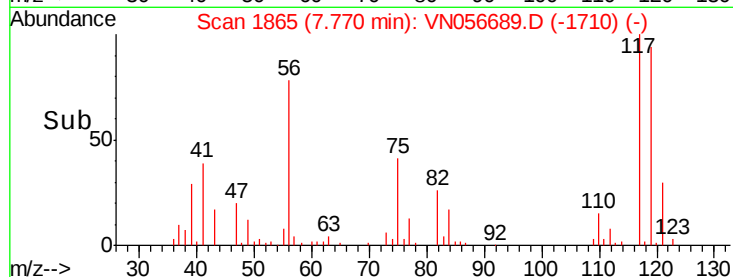
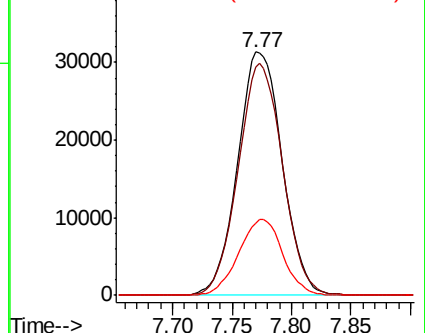
121 29.7 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.515 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

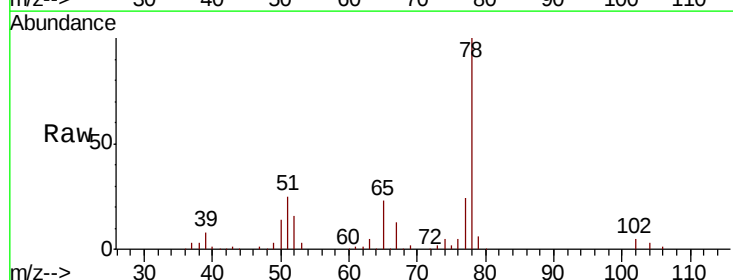
Tgt Ion: 78 Resp: 275786

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

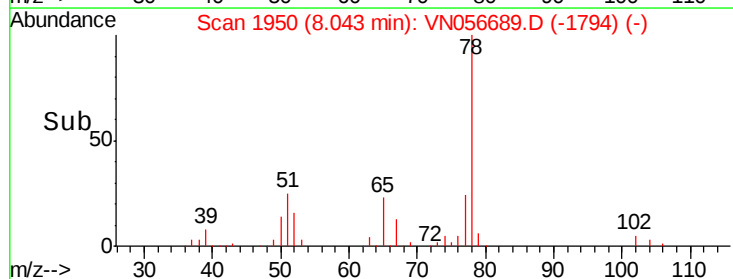
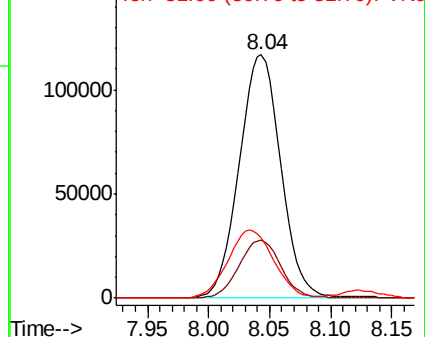
51 24.3 19.7 29.5

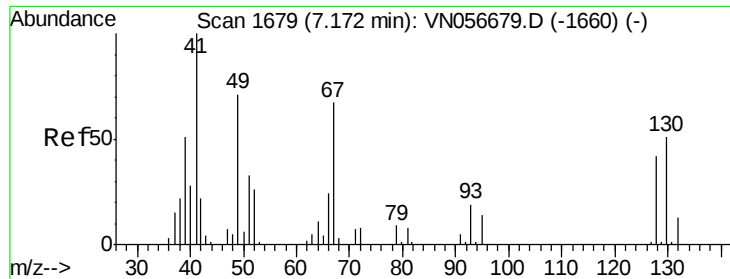


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

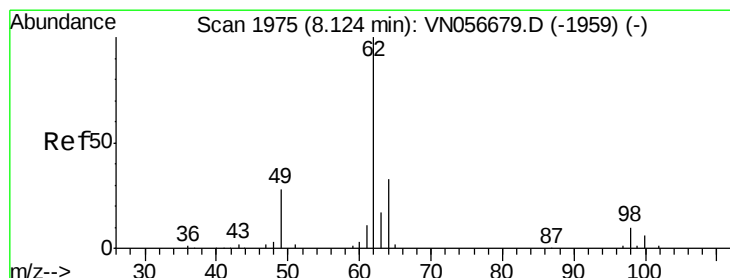
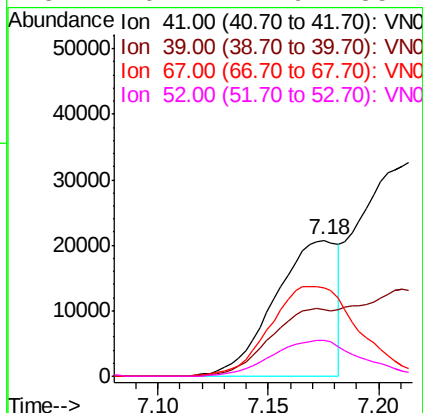
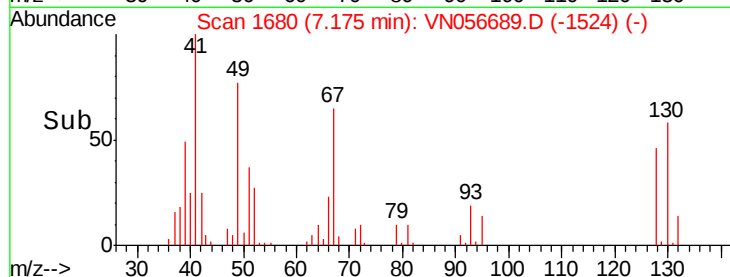
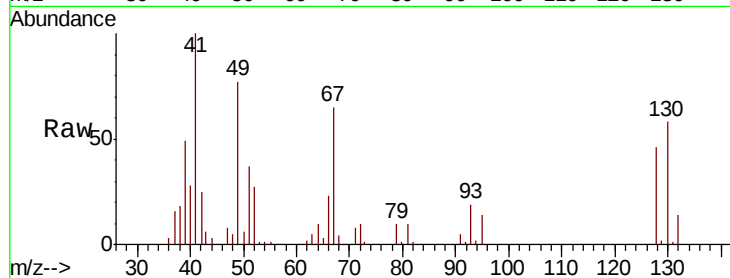




#35
Methacrylonitrile
Concen: 20.311 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

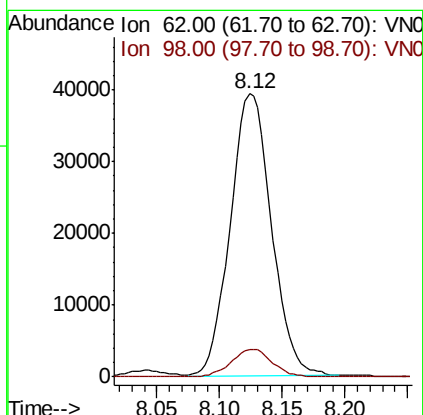
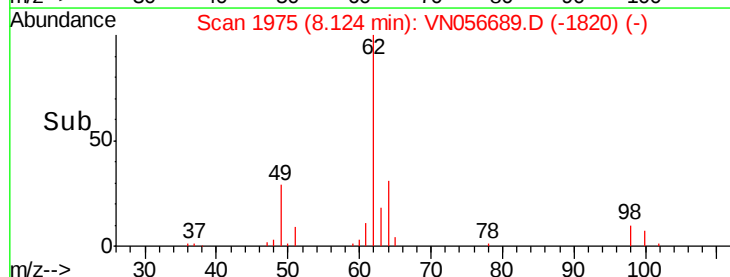
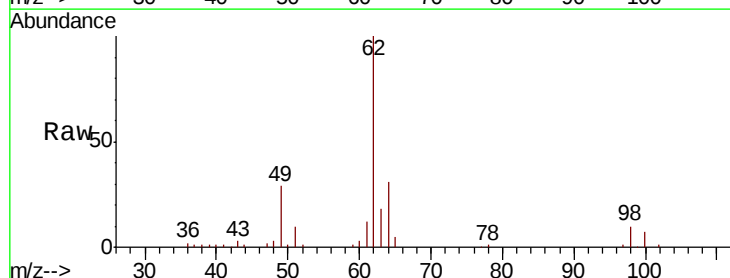
Instrument :
MSVOA_N
ClientSampled :

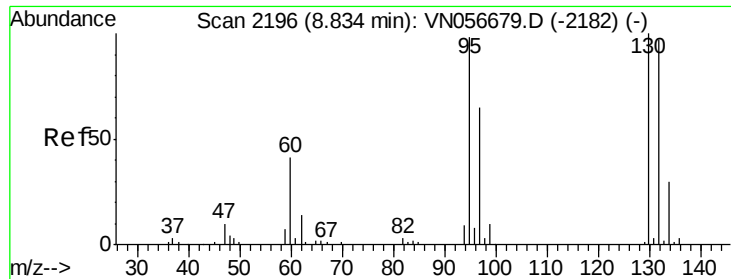
Tot Ion: 41 Resp: 41319
Ion Ratio Lower Upper
41 100
39 48.8 25.4 76.2
67 65.2 33.6 100.8
52 26.7 12.9 38.7



#36
1,2-Dichloroethane
Concen: 19.712 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 62 Resp: 89482
Ion Ratio Lower Upper
62 100
98 9.7 7.7 11.5

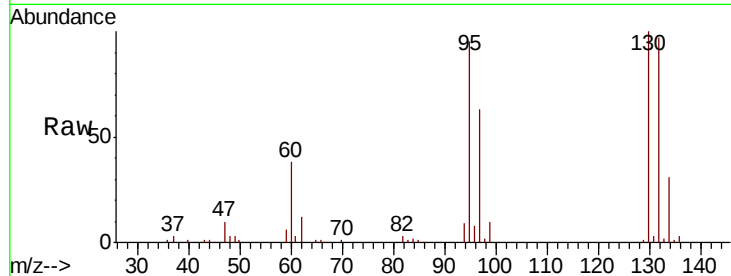




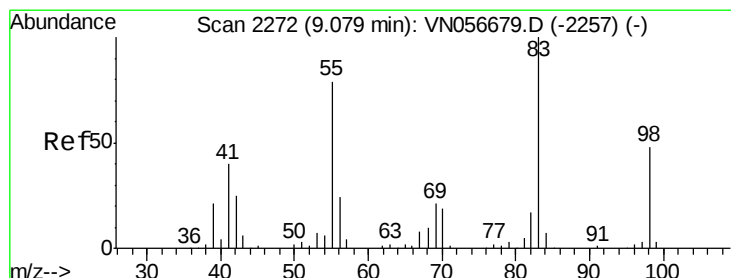
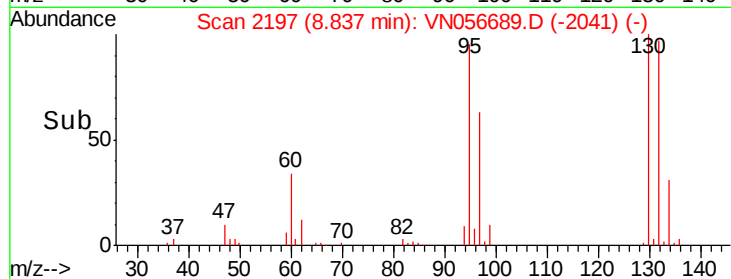
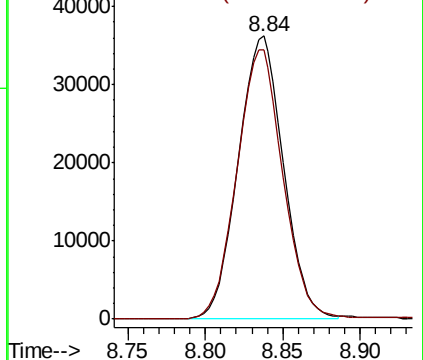
#37
 Trichloroethene
 Concen: 19.214 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 73745
 Ion Ratio Lower Upper
 130 100
 95 95.1 78.4 117.6

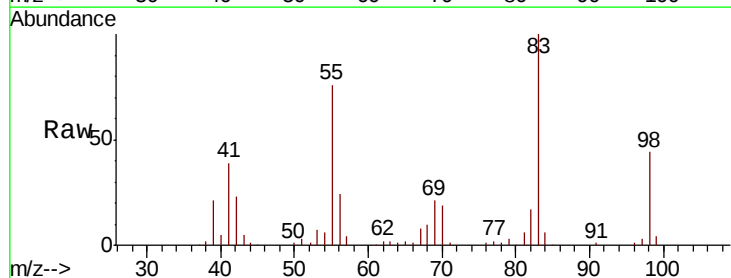


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

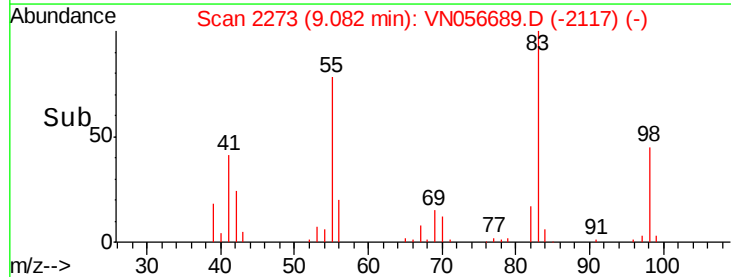
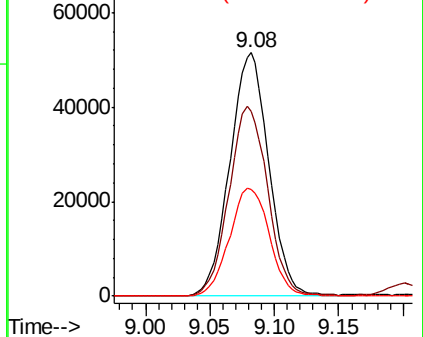


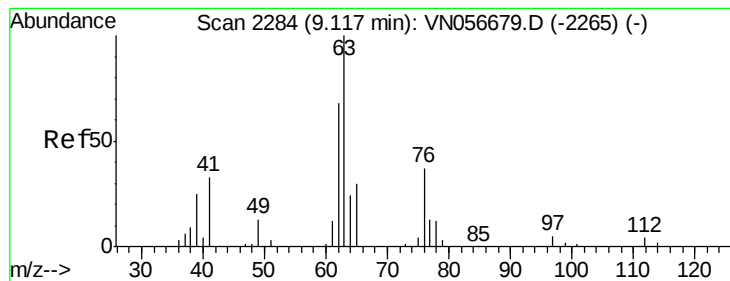
#38
 Methylcyclohexane
 Concen: 18.621 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 83 Resp: 108194
 Ion Ratio Lower Upper
 83 100
 55 77.5 38.4 115.2
 98 45.6 23.3 69.9



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





#39

1,2-Dichloropropane

Concen: 19.652 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

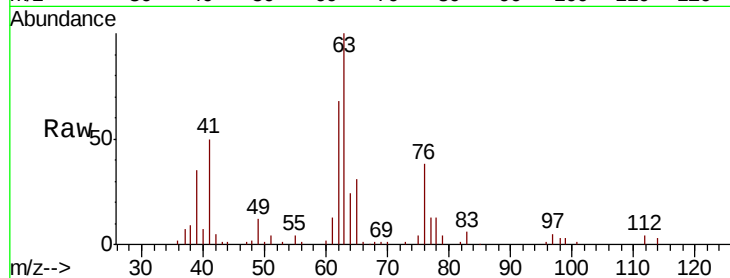
ClientSampleId :

Tot Ion: 63 Resp: 74544

Ion Ratio Lower Upper

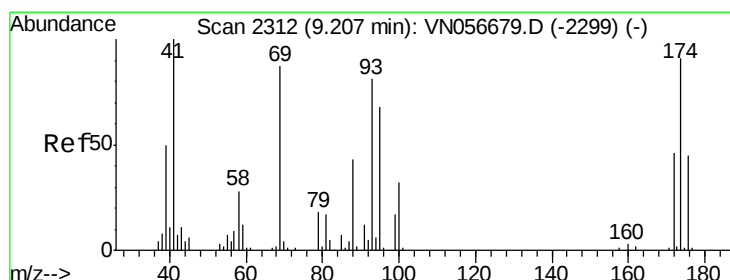
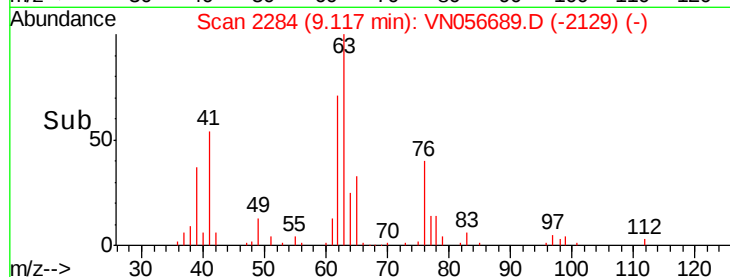
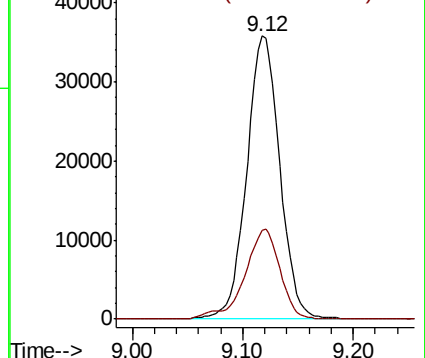
63 100

65 31.2 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.585 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

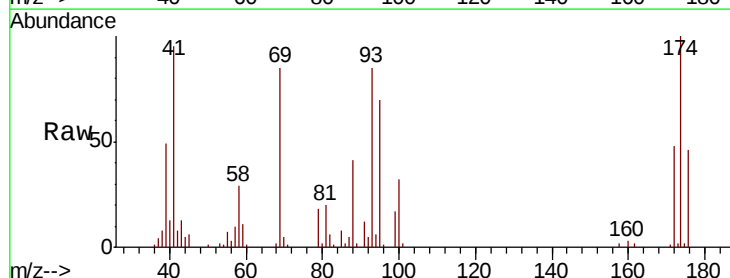
Tgt Ion: 93 Resp: 47318

Ion Ratio Lower Upper

93 100

95 82.4 0.0 167.0

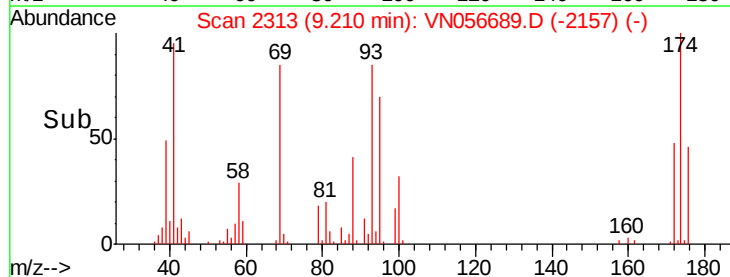
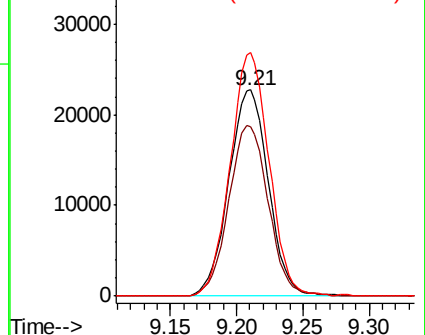
174 115.1 0.0 224.2

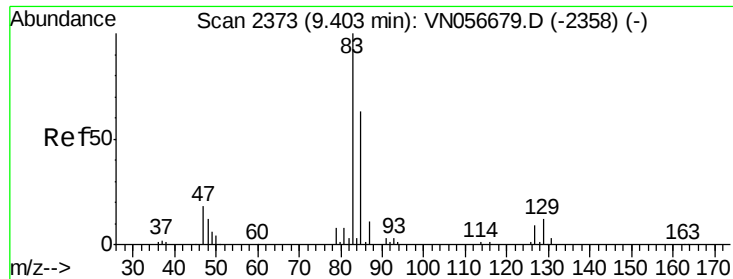


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.365 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

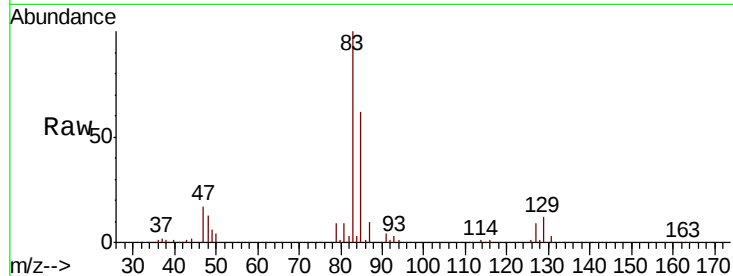
Tot Ion: 83 Resp: 86227

Ion Ratio Lower Upper

83 100

85 62.1 50.1 75.1

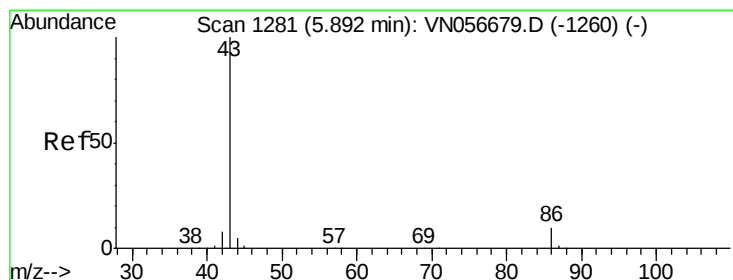
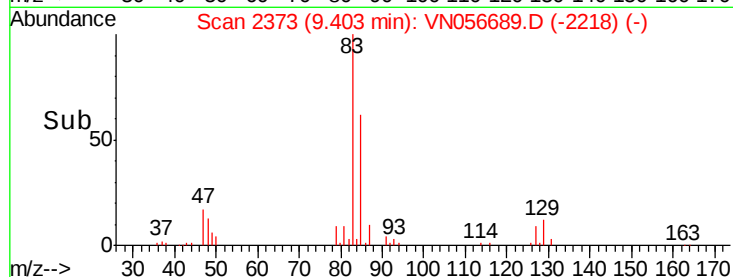
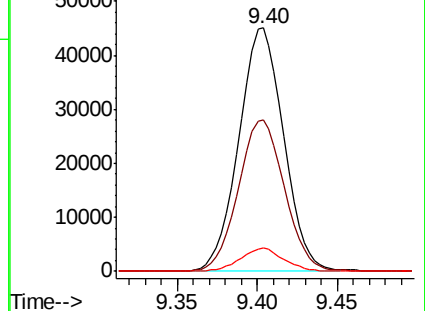
127 9.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 98.737 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056689.D

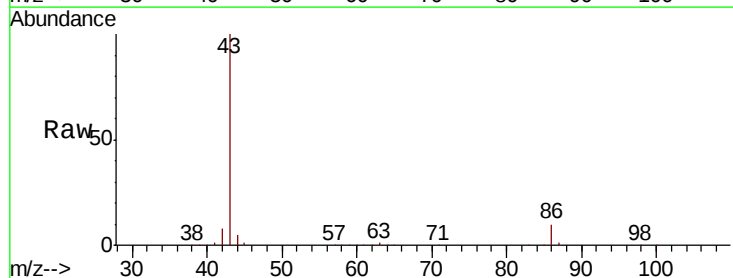
Acq: 12 Jul 2019 14:49

Tgt Ion: 43 Resp: 875063

Ion Ratio Lower Upper

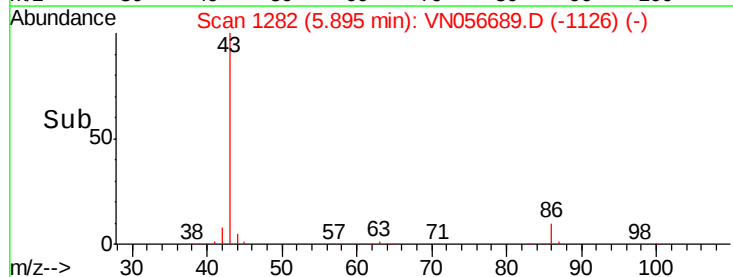
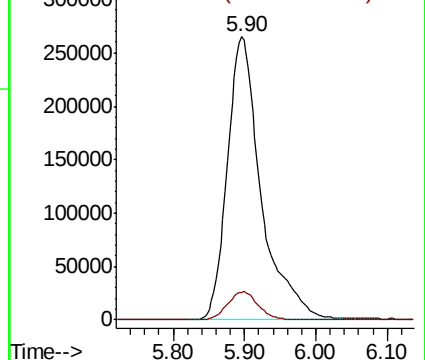
43 100

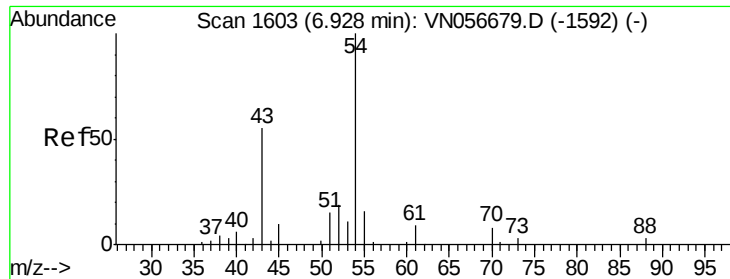
86 9.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

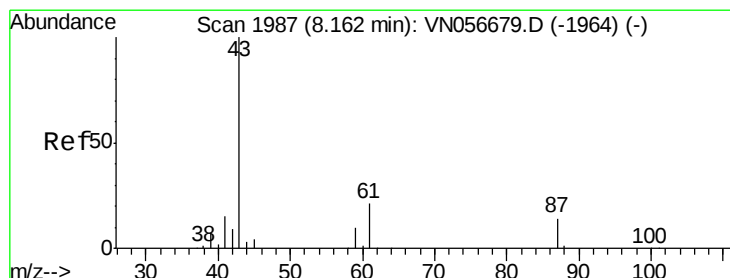
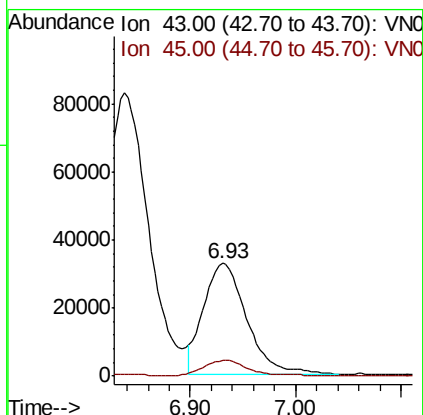
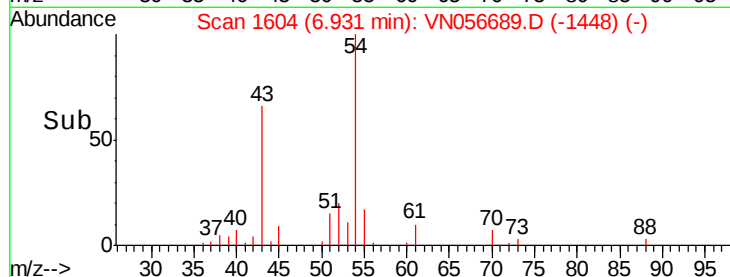
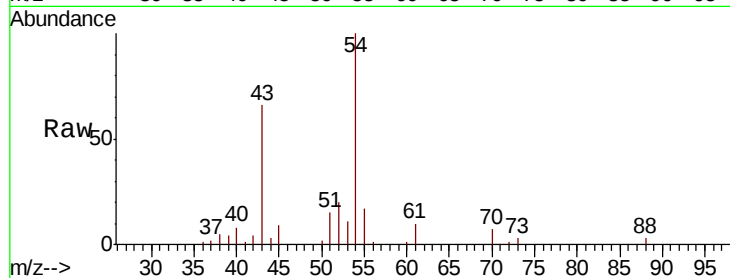




#43
Ethyl Acetate
Concen: 19.543 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

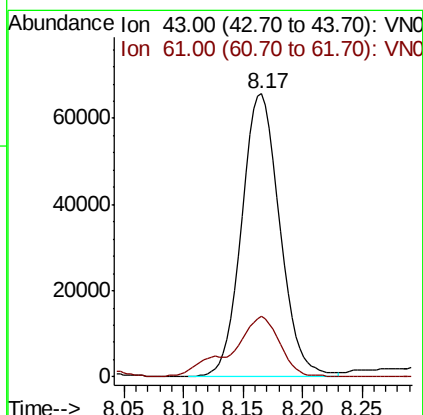
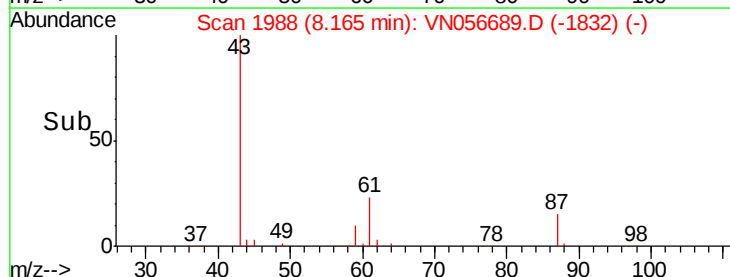
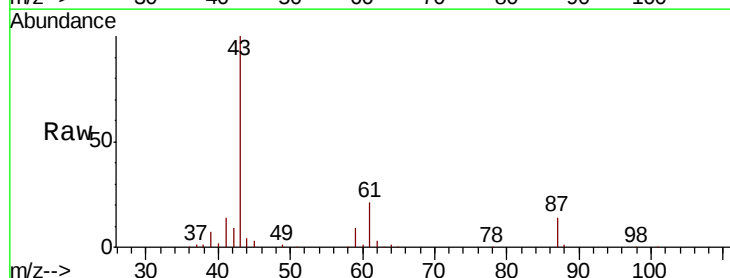
Instrument :
MSVOA_N
ClientSampleId :

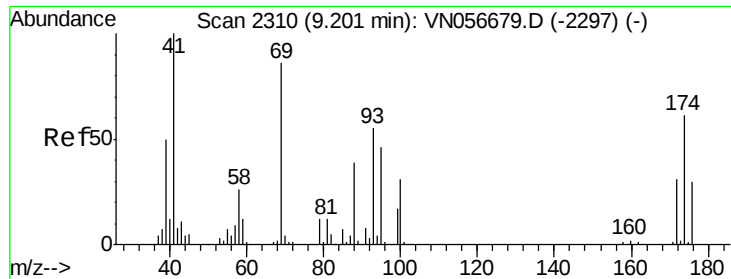
Tot Ion: 43 Resp: 94043
Ion Ratio Lower Upper
43 100
45 12.9 11.2 16.8



#44
Isopropyl Acetate
Concen: 19.322 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 43 Resp: 145022
Ion Ratio Lower Upper
43 100
61 21.6 22.6 33.8#

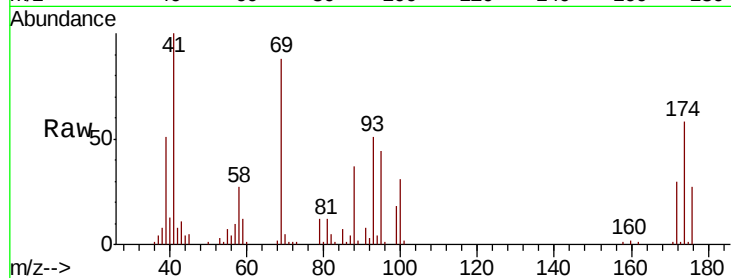




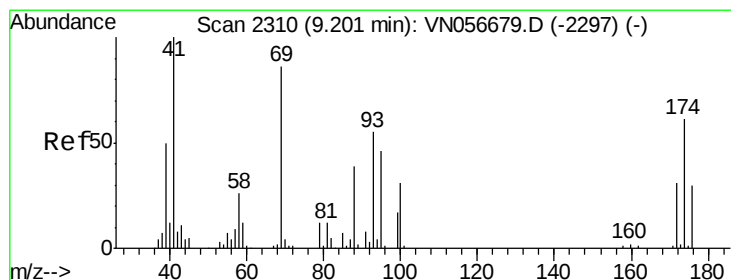
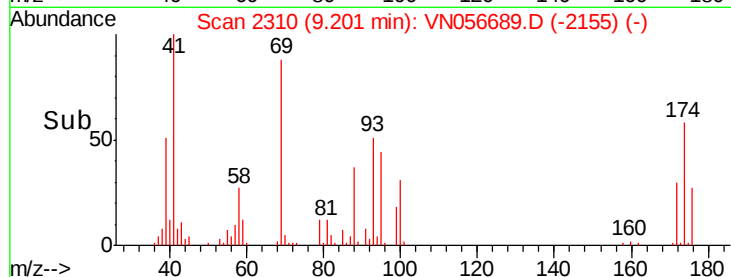
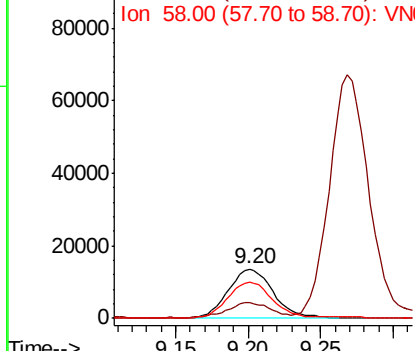
#45
 1,4-Dioxane
 Concen: 388.331 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 29486
 Ion Ratio Lower Upper
 88 100
 43 28.1 23.0 34.6
 58 72.2 54.6 81.8

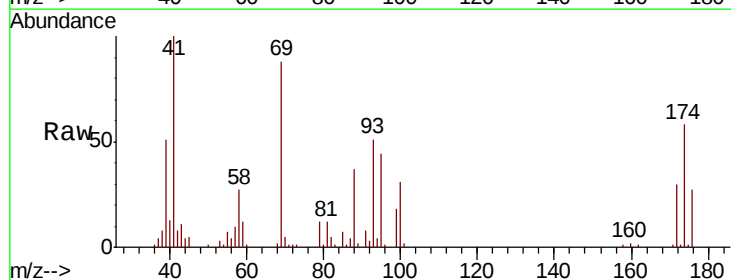


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

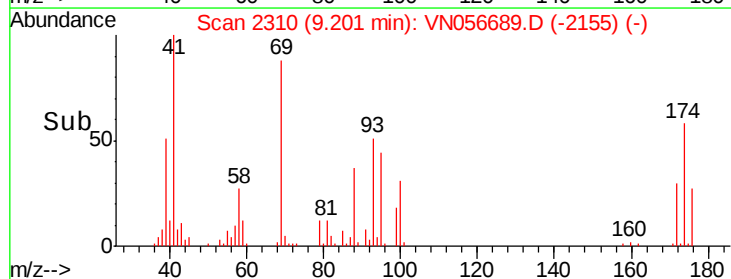
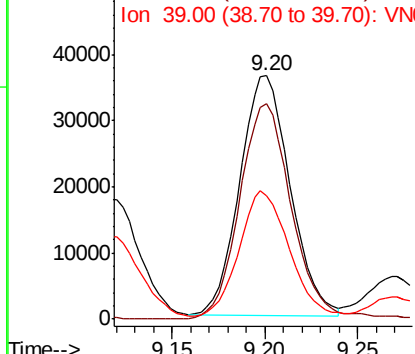


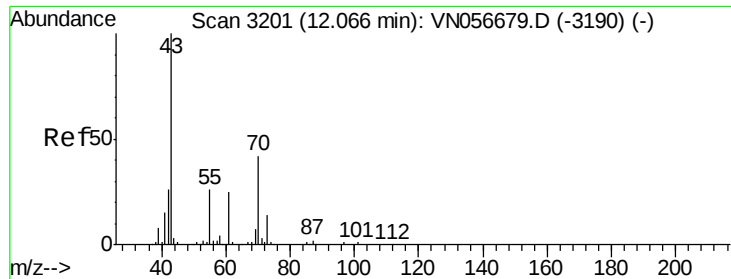
#46
 Methyl methacrylate
 Concen: 19.003 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 41 Resp: 68518
 Ion Ratio Lower Upper
 41 100
 69 90.1 43.0 129.0
 39 50.2 25.1 75.4



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

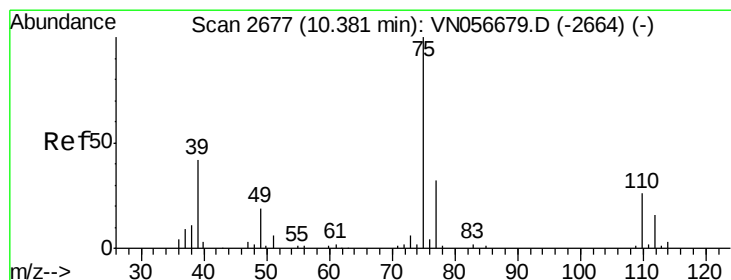
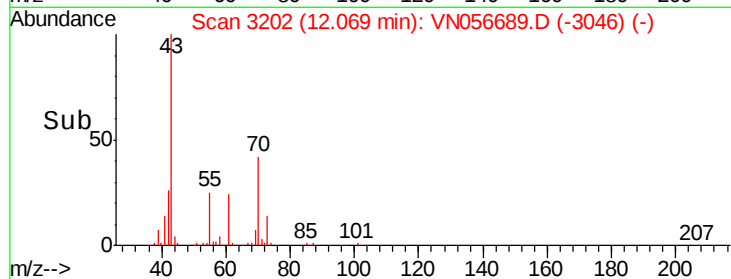
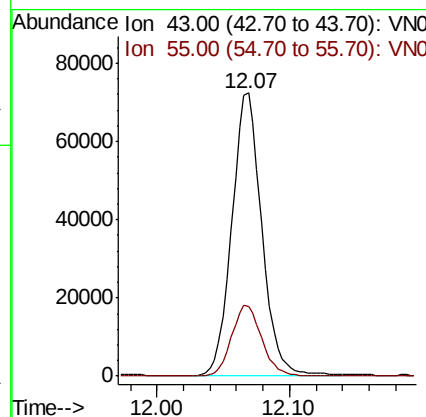
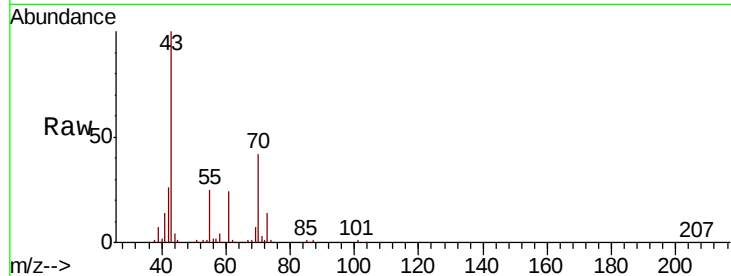




#47
n-amvl Acetate
Concen: 18.395 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

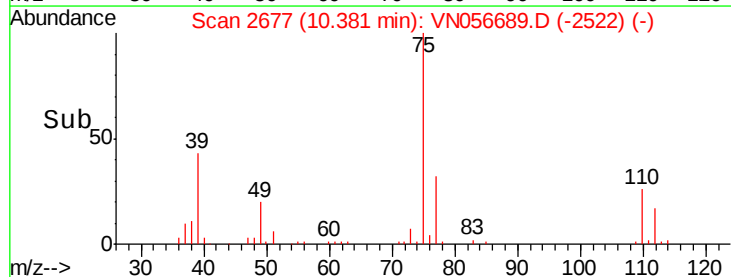
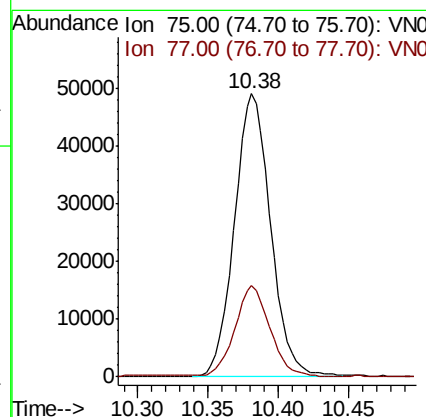
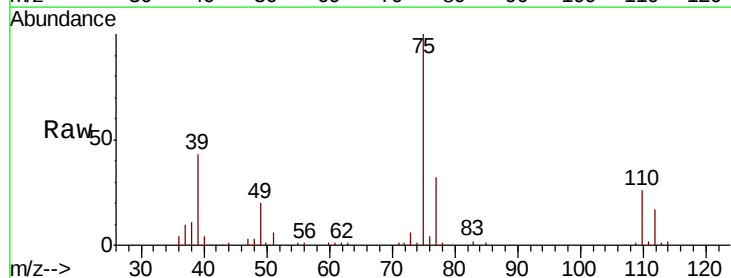
Instrument :
MSVOA_N
ClientSampleId :

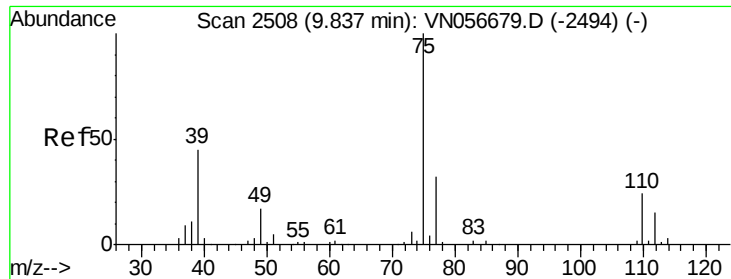
Tot Ion: 43 Resp: 112910
Ion Ratio Lower Upper
43 100
55 25.3 20.7 31.1



#48
t-1,3-Dichloropropene
Concen: 18.036 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 75 Resp: 88339
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5



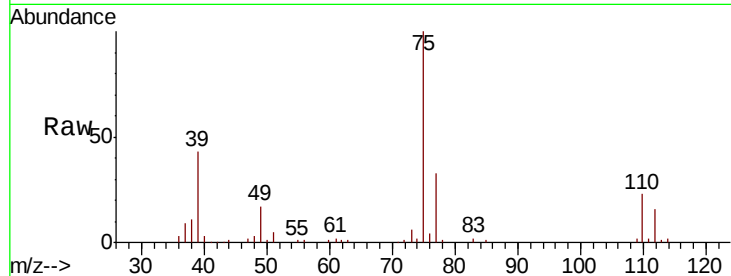


#49

cis-1,3-Dichloropropene
Concen: 18.614 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.0	39.0
39	43.1	36.2	54.4

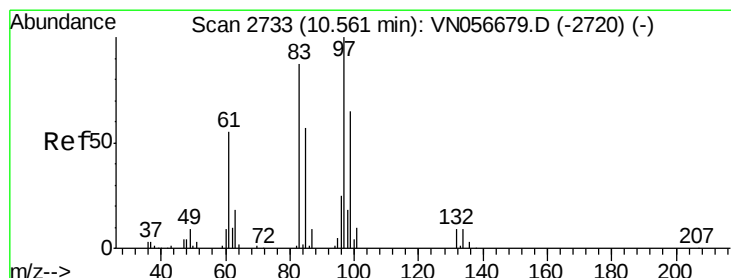
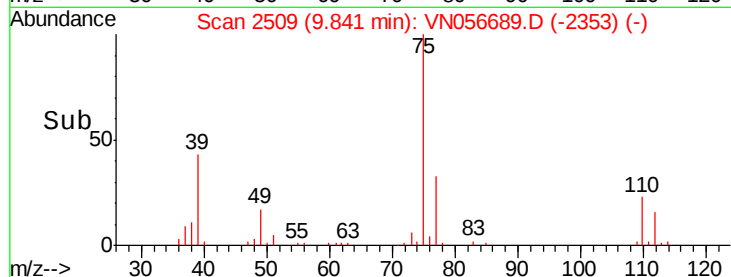
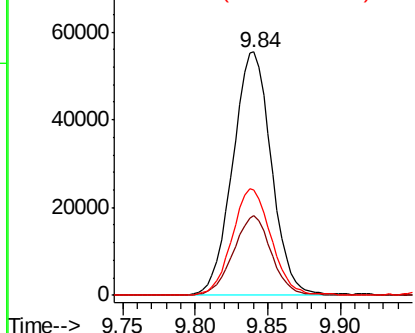


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 19.676 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.2	103.8
85	56.8	45.3	67.9
99	60.2	51.6	77.4

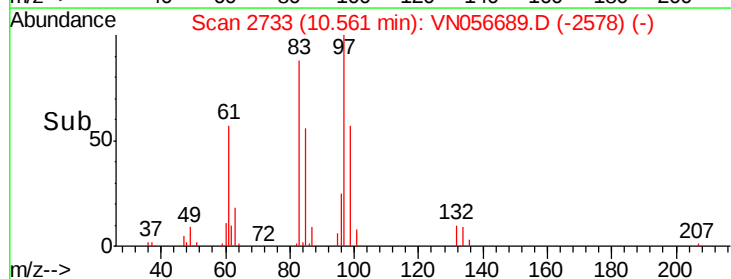
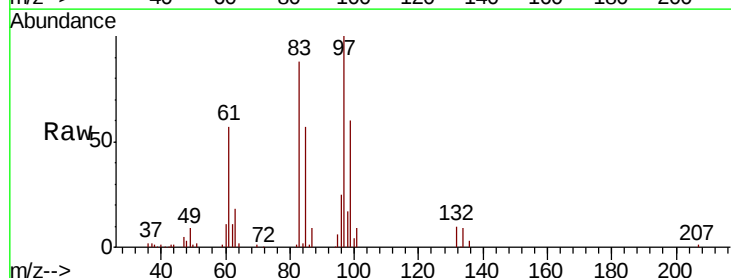
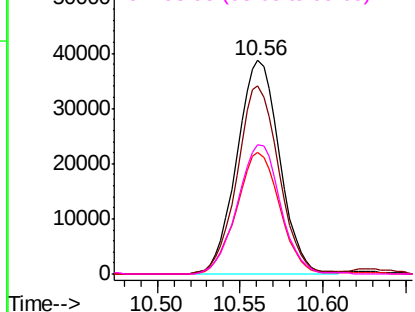
Abundance

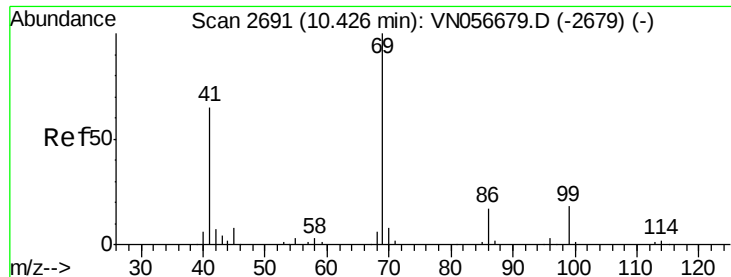
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.160 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

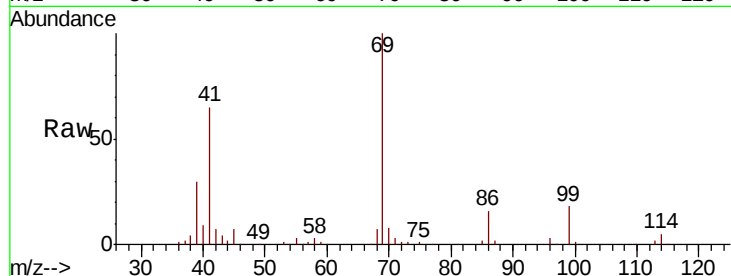
Tot Ion: 69 Resp: 103736

Ion Ratio Lower Upper

69 100

41 64.6 32.8 98.3

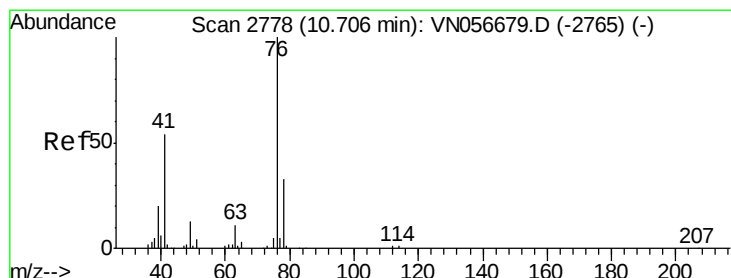
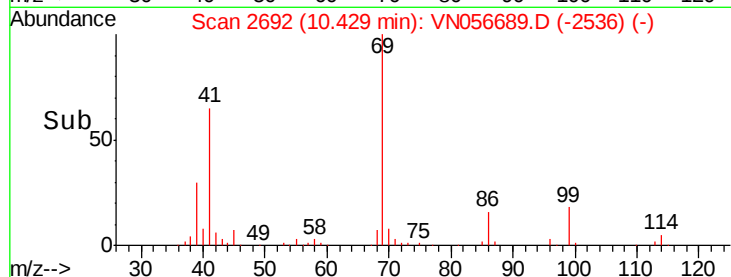
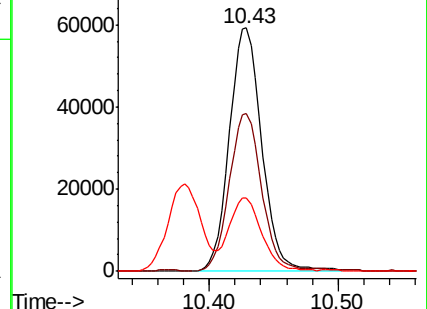
39 29.6 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN056679.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056679.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056679.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 19.601 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056689.D

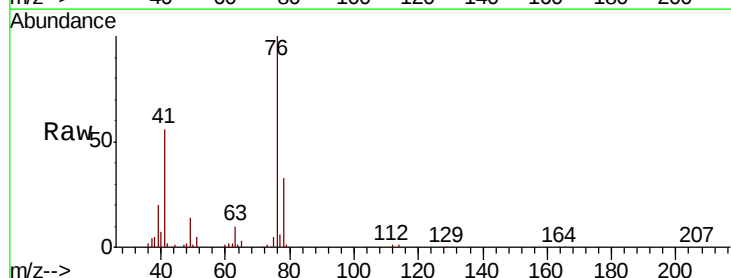
Acq: 12 Jul 2019 14:49

Tgt Ion: 76 Resp: 115442

Ion Ratio Lower Upper

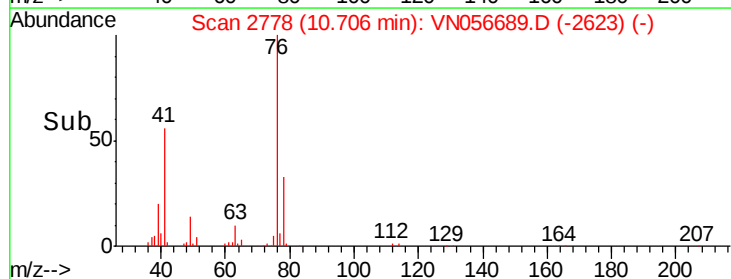
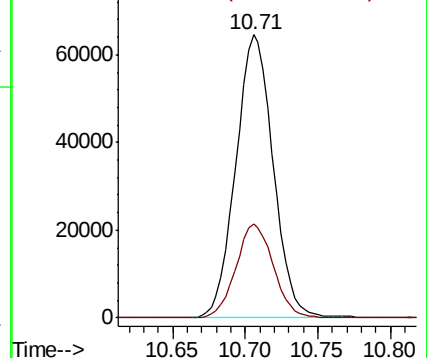
76 100

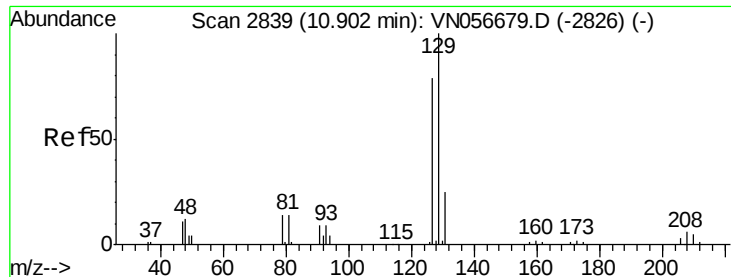
78 33.2 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-2765) (-)

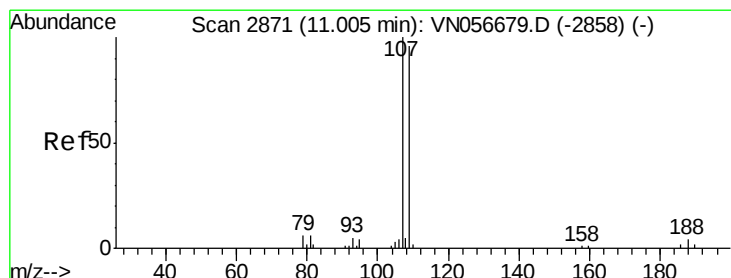
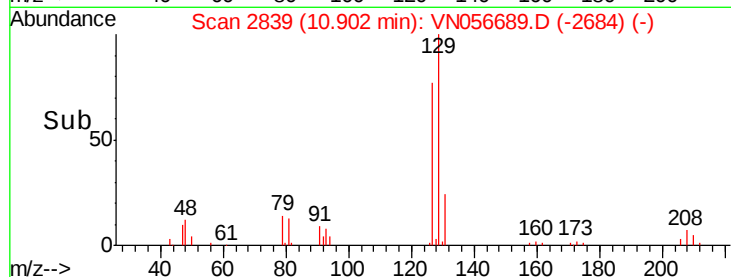
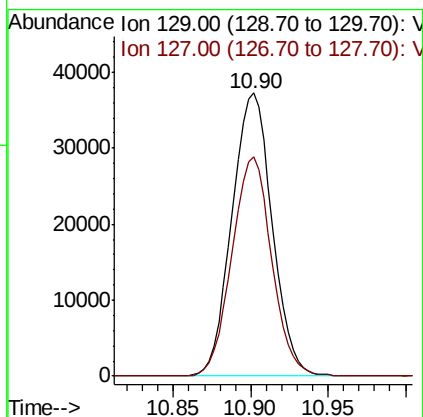
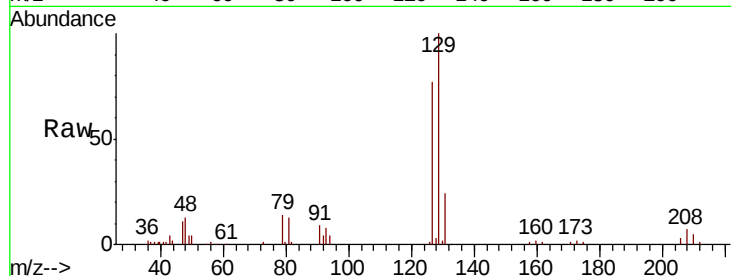




#53
Dibromochloromethane
Concen: 18.939 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

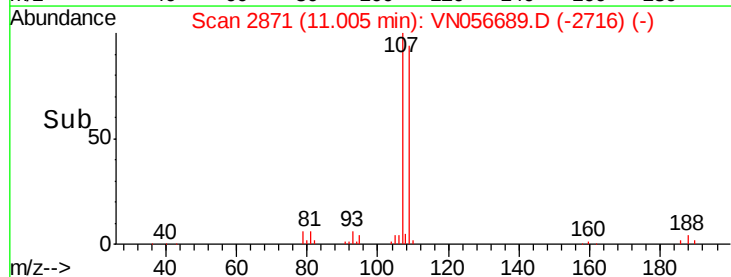
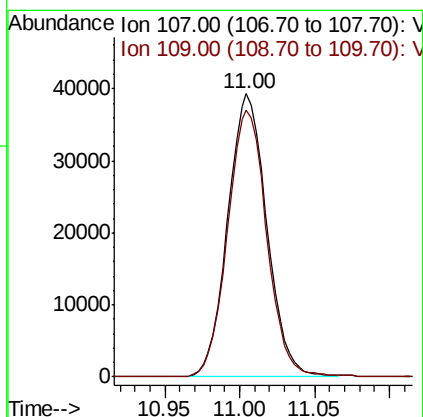
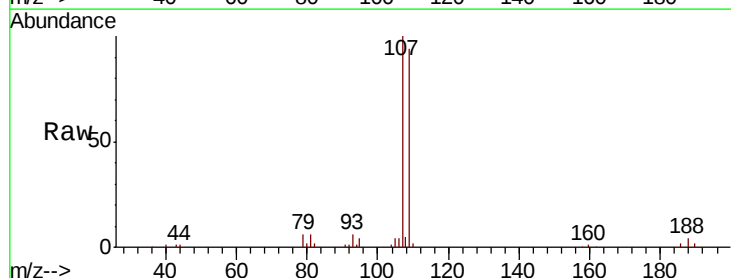
Instrument :
MSVOA_N
ClientSampled :

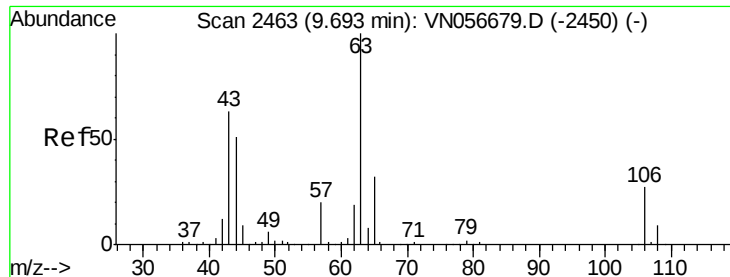
Tot Ion:129 Resp: 67375
Ion Ratio Lower Upper
129 100
127 76.5 38.7 116.1



#54
1,2-Dibromoethane
Concen: 19.510 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion:107 Resp: 71373
Ion Ratio Lower Upper
107 100
109 94.6 77.9 116.9

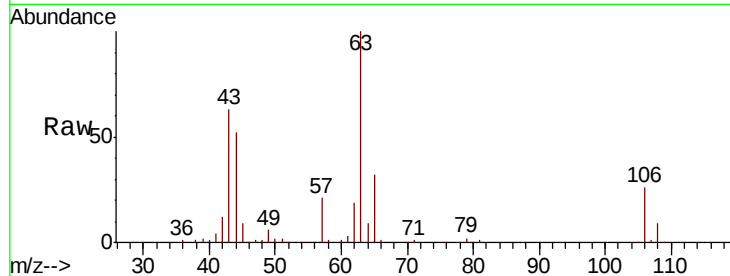




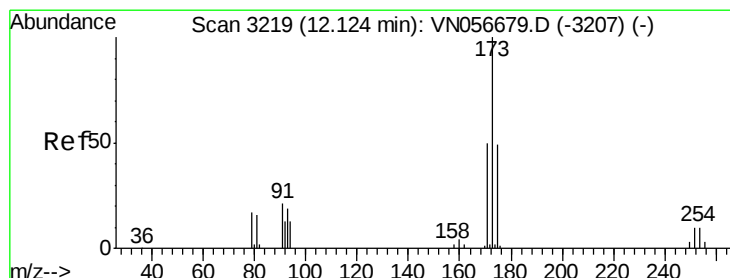
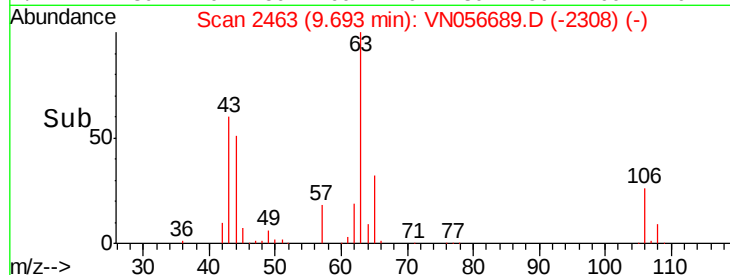
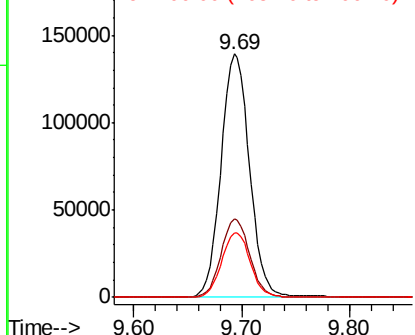
#55
2-Chloroethyl vinyl ether
Concen: 98.047 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 256702
Ion Ratio Lower Upper
63 100
65 32.1 25.2 37.8
106 26.6 21.6 32.4

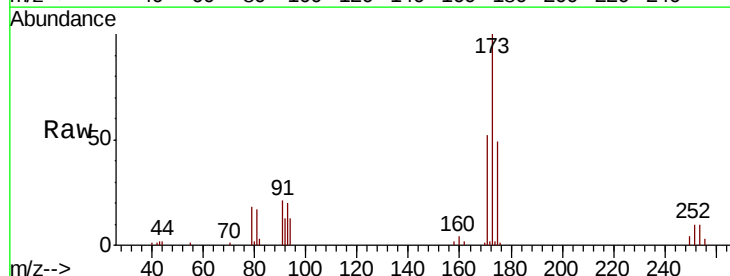


Abundance Ion 63.00 (62.70 to 63.70): VN056689.D (-2308) (-)
Ion 65.00 (64.70 to 65.70): VN056689.D (-2308) (-)
Ion 106.00 (105.70 to 106.70): VN056689.D (-2308) (-)

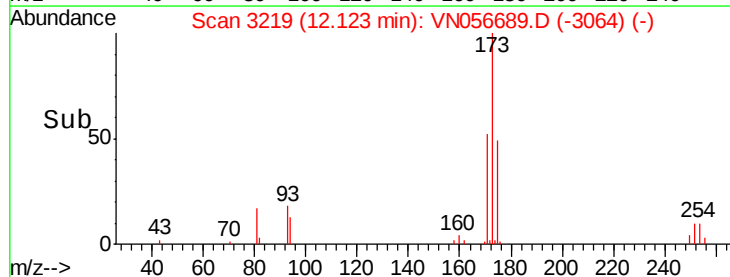
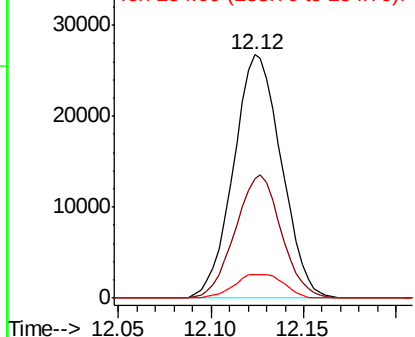


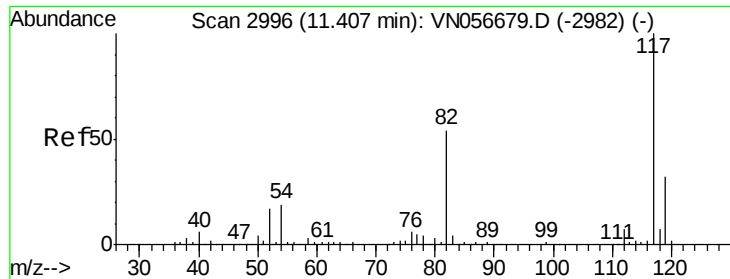
#56
Bromoform
Concen: 18.176 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 173 Resp: 47865
Ion Ratio Lower Upper
173 100
175 48.7 39.7 59.5
254 10.0 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VN056689.D (-3064) (-)
Ion 175.00 (174.70 to 175.70): VN056689.D (-3064) (-)
Ion 254.00 (253.70 to 254.70): VN056689.D (-3064) (-)

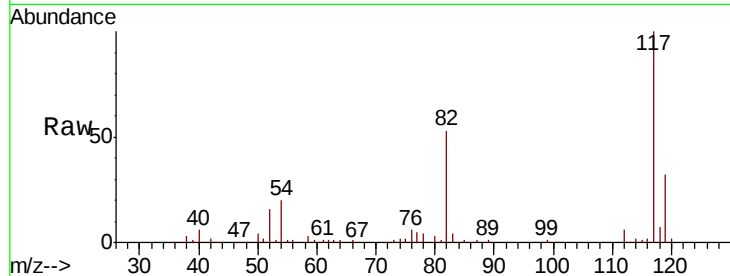




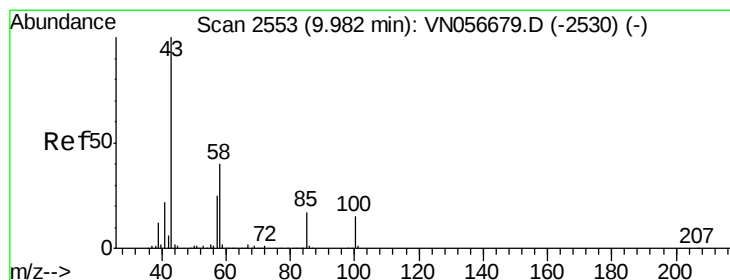
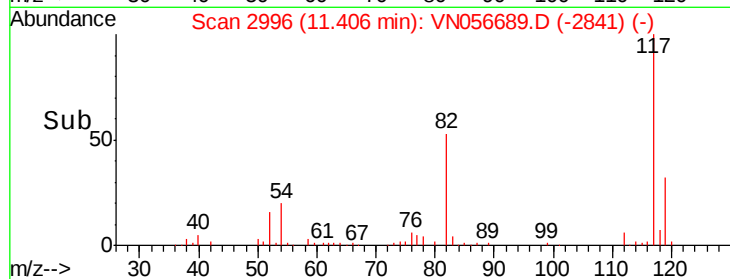
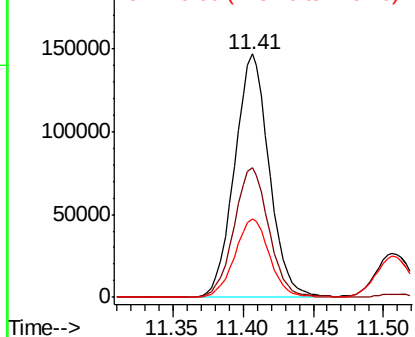
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 252700
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 32.3 26.0 39.0

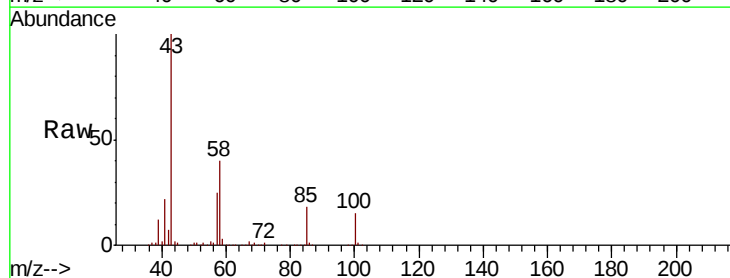


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

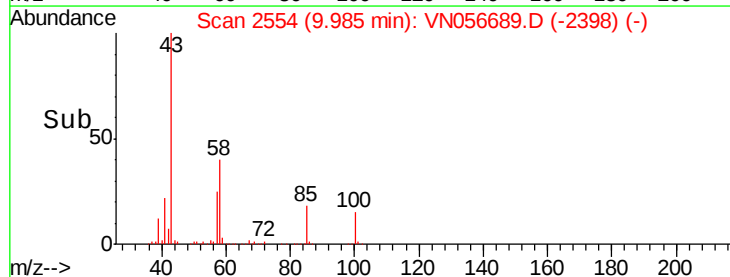
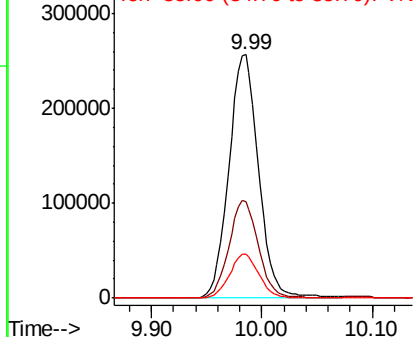


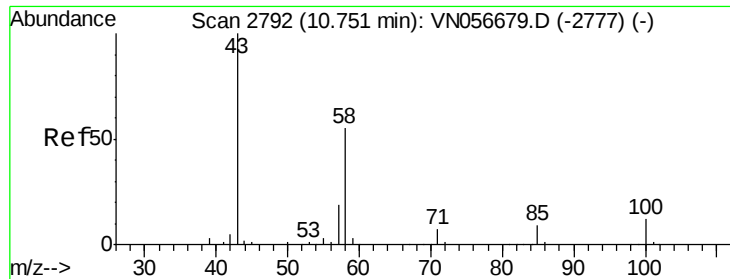
#58
4-Methyl-2-Pentanone
Concen: 100.303 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 43 Resp: 477059
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9
85 17.9 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

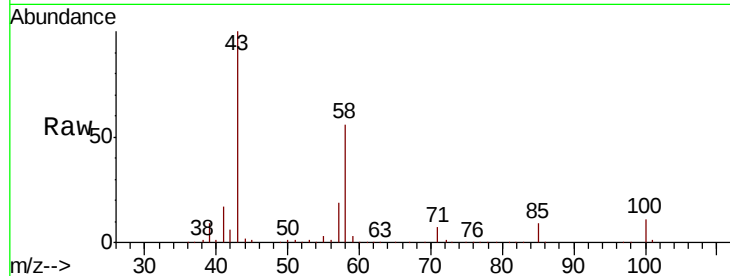




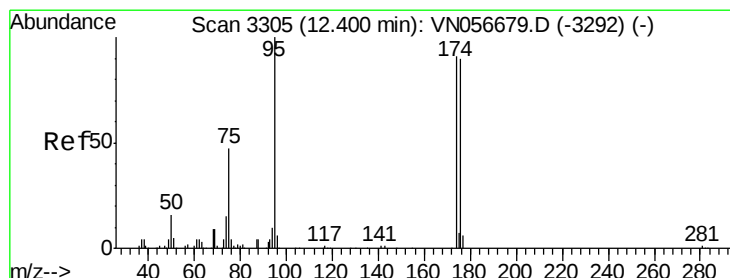
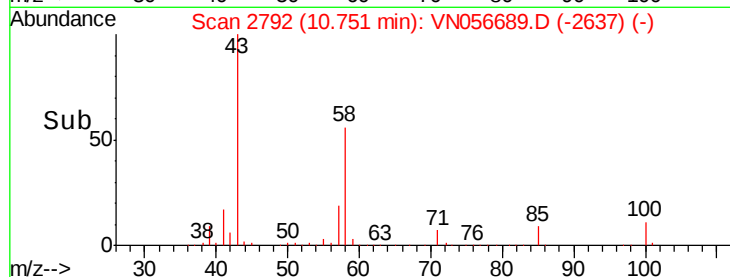
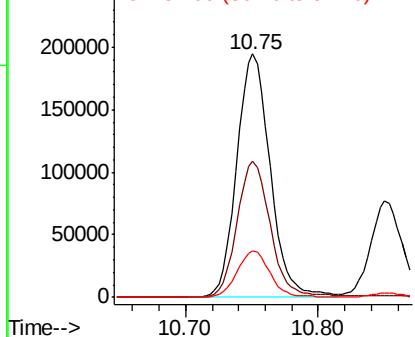
#59
2-Hexanone
Concen: 94.676 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 341809
Ion Ratio Lower Upper
43 100
58 55.9 44.4 66.6
57 18.8 15.2 22.8

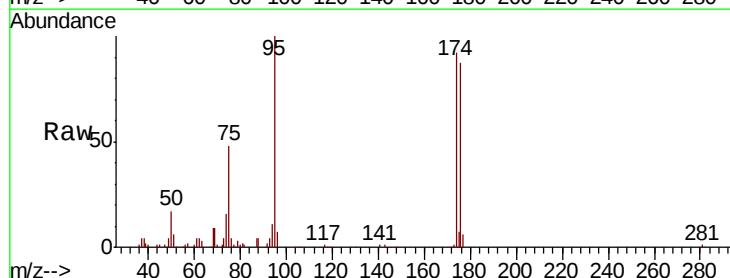


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

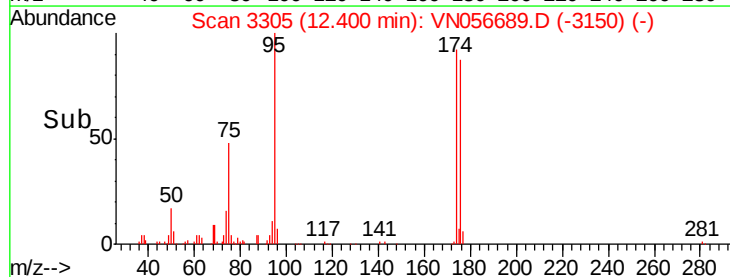
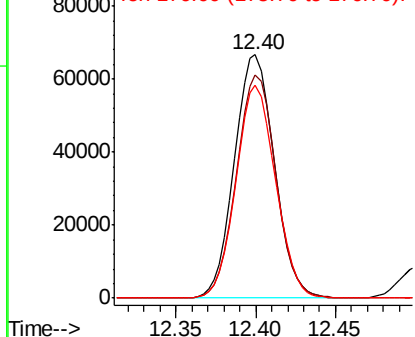


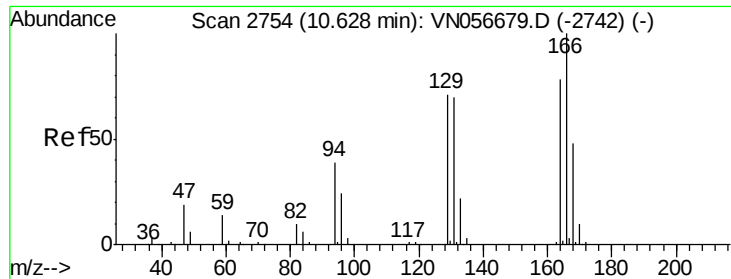
#60
4-Bromofluorobenzene
Concen: 29.407 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 95 Resp: 113730
Ion Ratio Lower Upper
95 100
174 90.5 72.6 108.8
176 86.3 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 20.496 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 74424

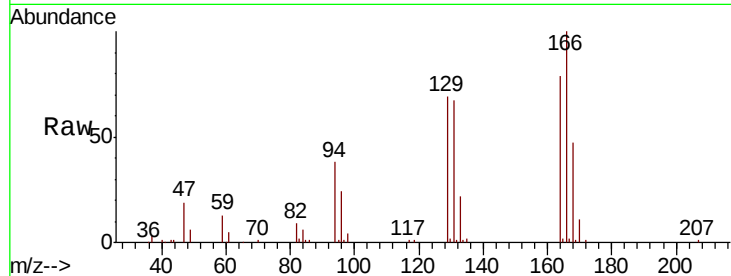
Ion Ratio Lower Upper

164 100

166 127.0 102.3 153.5

129 87.5 72.6 108.8

131 85.6 71.4 107.2

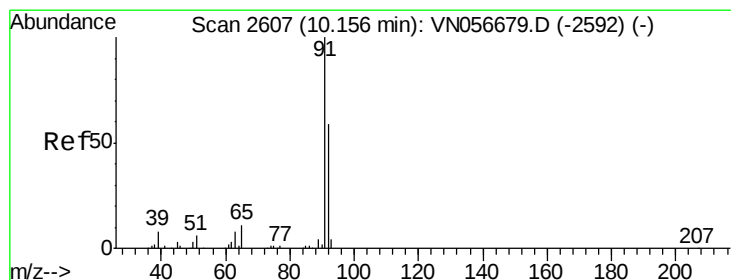
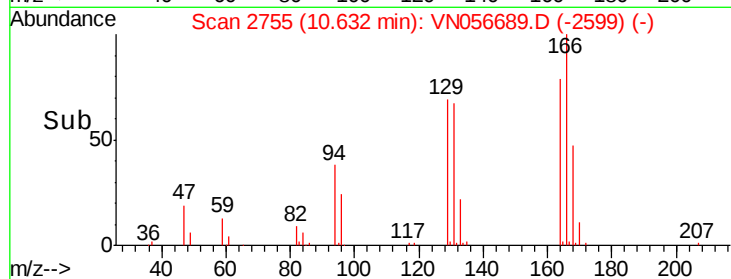
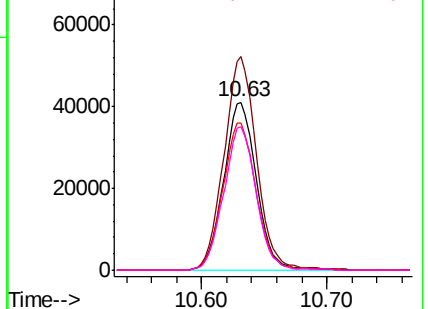


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.106 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056689.D

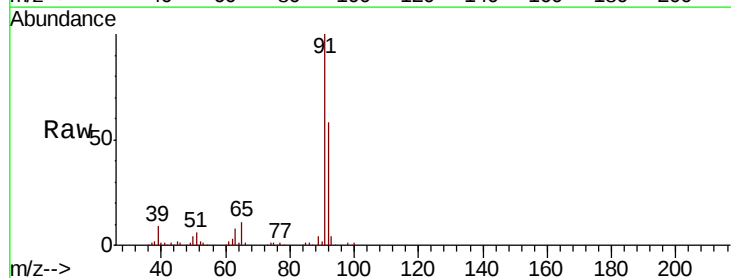
Acq: 12 Jul 2019 14:49

Tgt Ion: 91 Resp: 298425

Ion Ratio Lower Upper

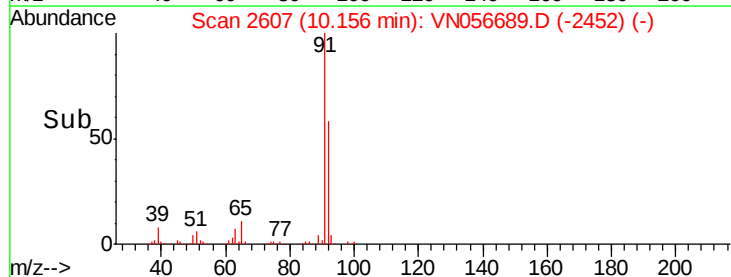
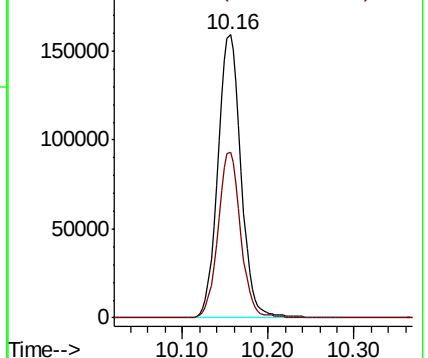
91 100

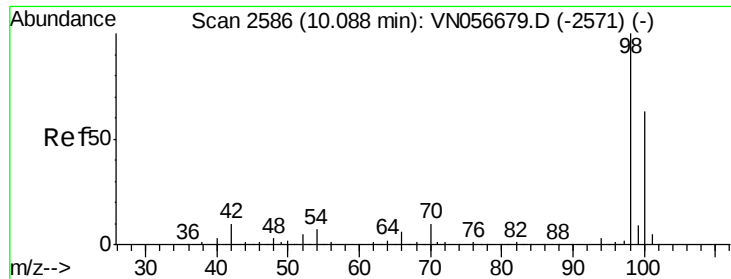
92 57.2 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.047 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

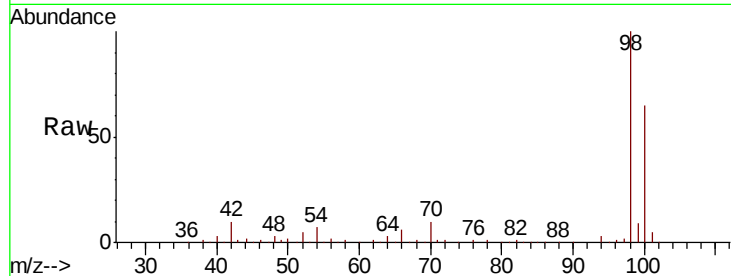
ClientSampleId :

Tot Ion: 98 Resp: 358475

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

200000

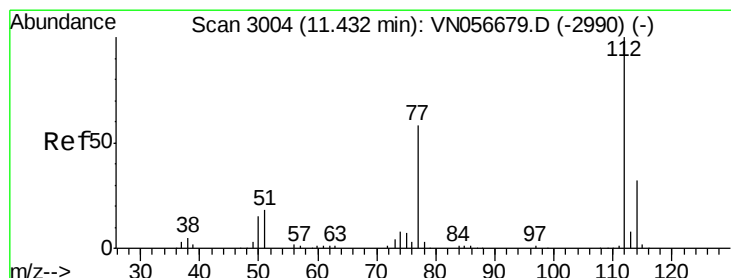
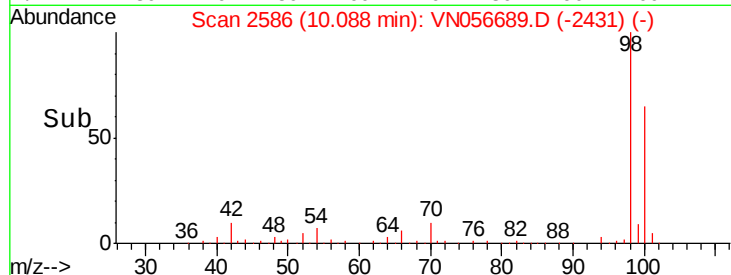
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 19.513 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056689.D

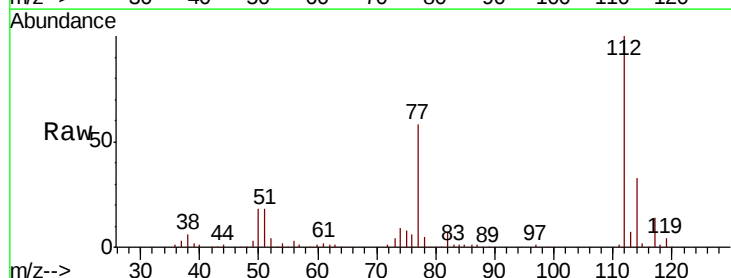
Acq: 12 Jul 2019 14:49

Tgt Ion: 112 Resp: 176638

Ion Ratio Lower Upper

112 100

114 33.1 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056679.D (-2990) (-)

11.43

100000

80000

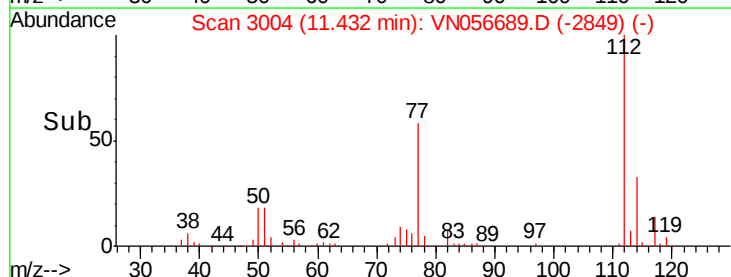
60000

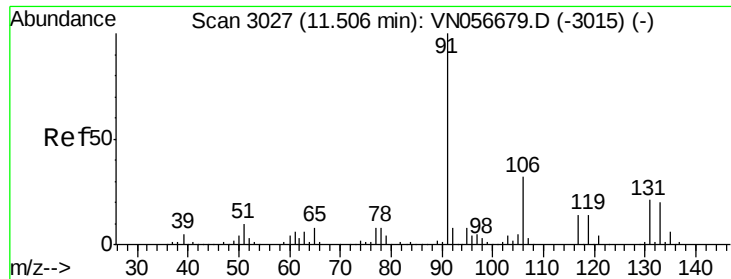
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.684 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampled :

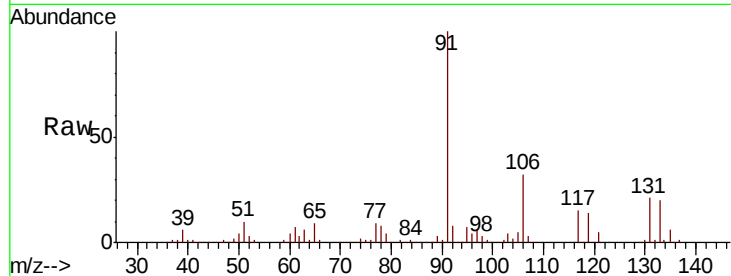
Tot Ion:131 Resp: 65329

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.4

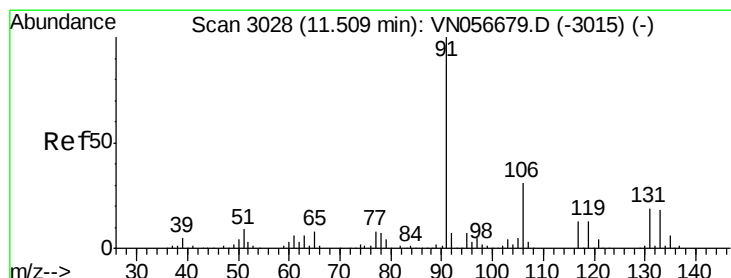
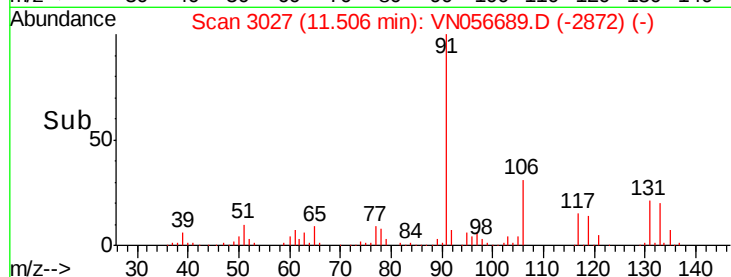
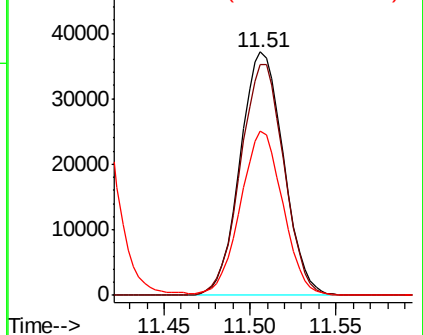
119 65.9 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.219 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056689.D

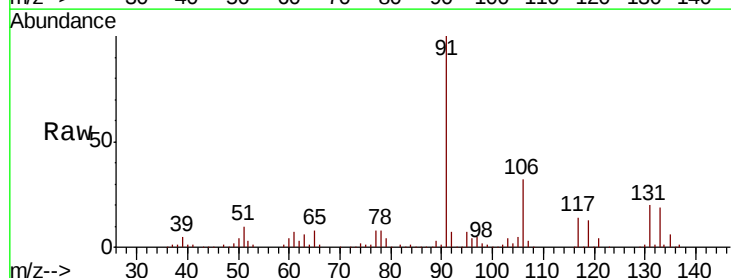
Acq: 12 Jul 2019 14:49

Tgt Ion: 91 Resp: 308337

Ion Ratio Lower Upper

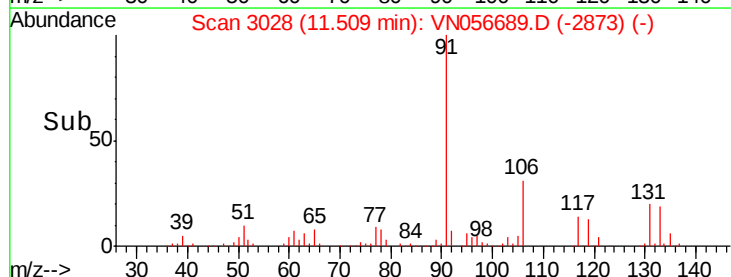
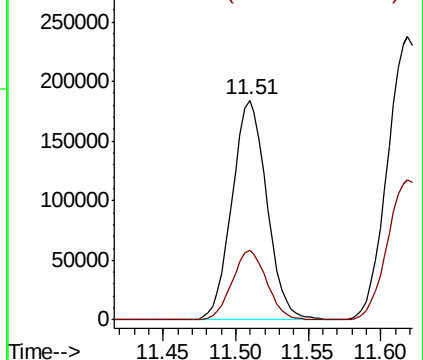
91 100

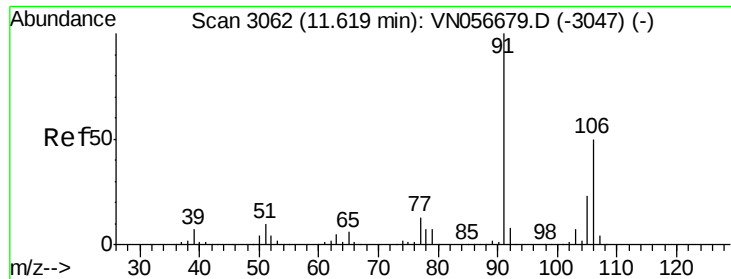
106 31.7 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

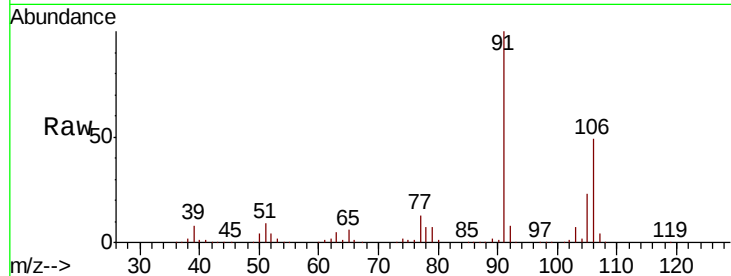




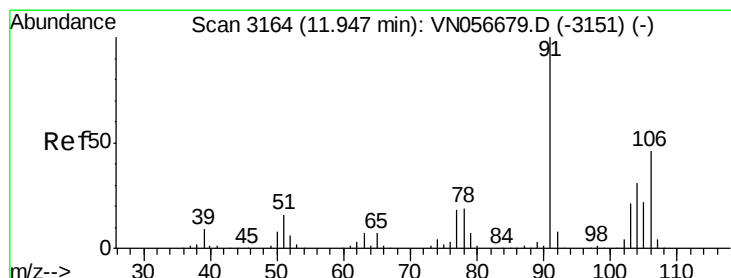
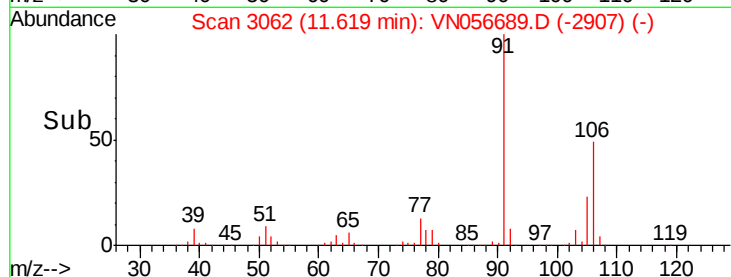
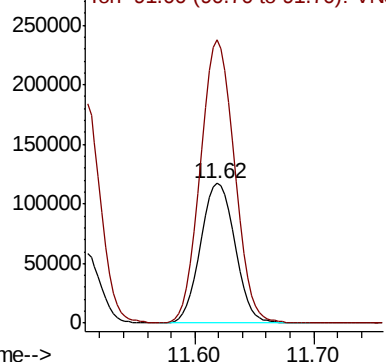
#67
m/p-Xvlenes
Concen: 38.953 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 235842
Ion Ratio Lower Upper
106 100
91 200.3 161.8 242.8

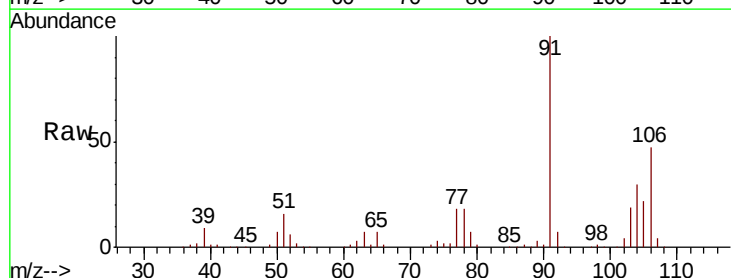


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

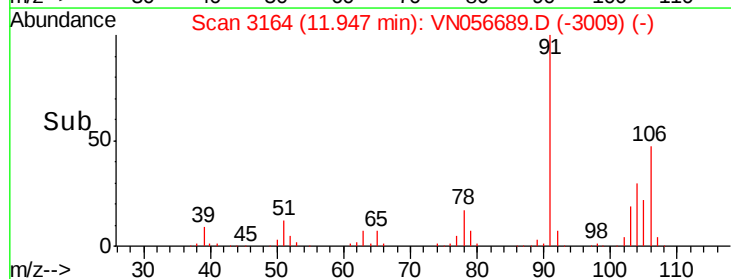
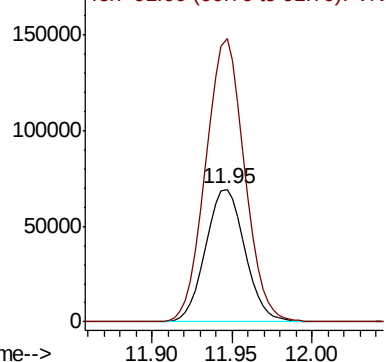


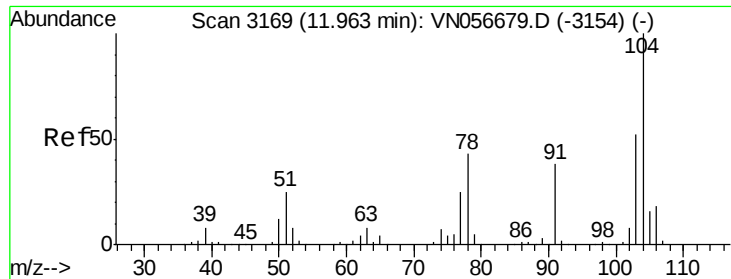
#68
o-Xylene
Concen: 19.674 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion:106 Resp: 116187
Ion Ratio Lower Upper
106 100
91 210.9 108.1 324.2



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

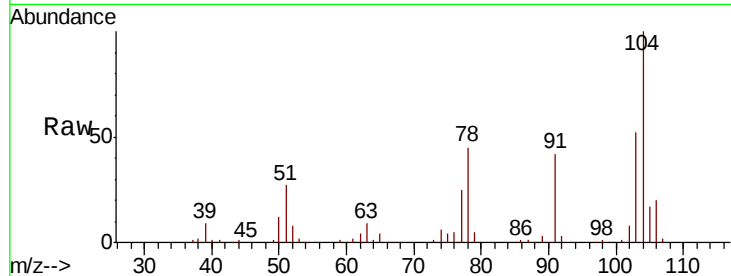




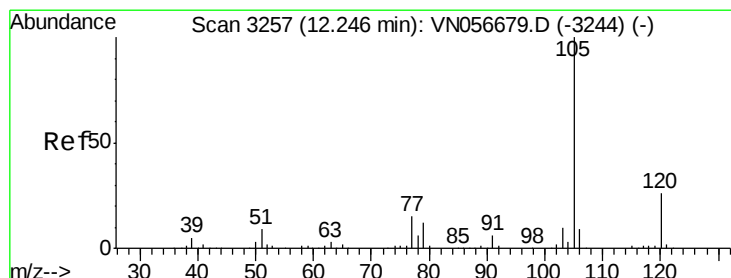
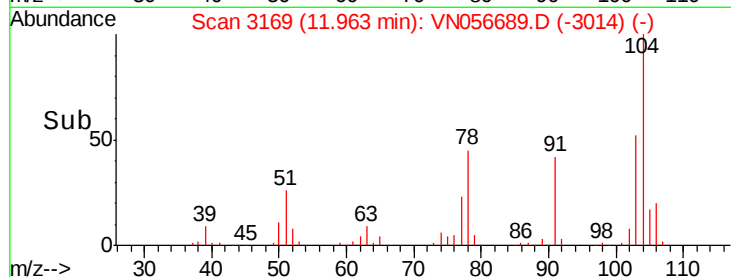
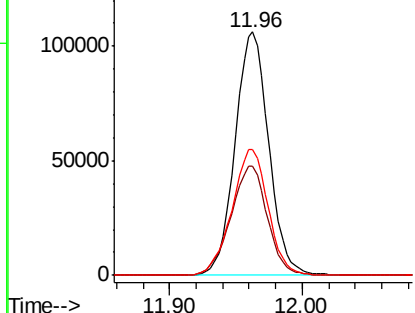
#69
Stvrene
Concen: 19.142 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:104 Resp: 187308
Ion Ratio Lower Upper
104 100
78 48.7 38.7 58.1
103 55.5 45.0 67.4

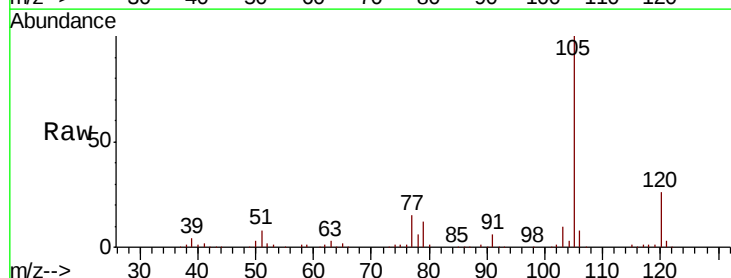


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

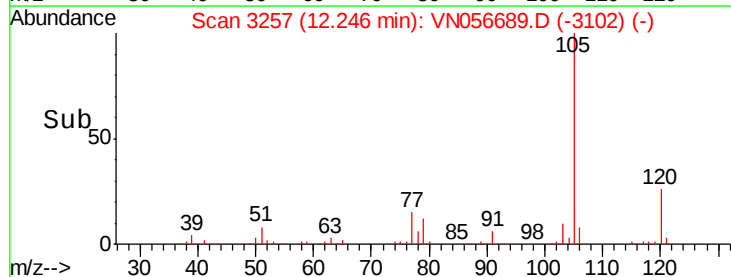
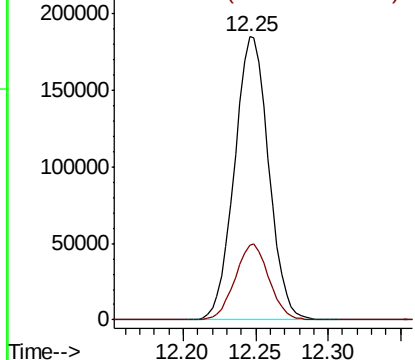


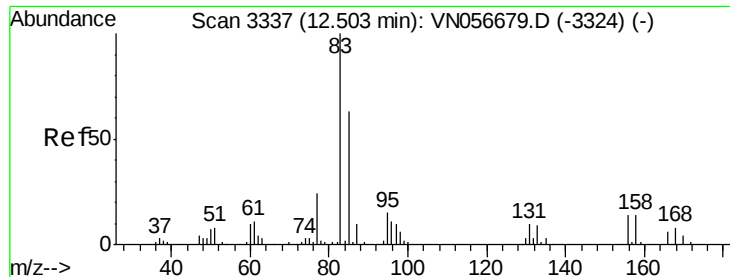
#70
Isopropylbenzene
Concen: 19.616 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion:105 Resp: 303653
Ion Ratio Lower Upper
105 100
120 26.4 18.6 34.5



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

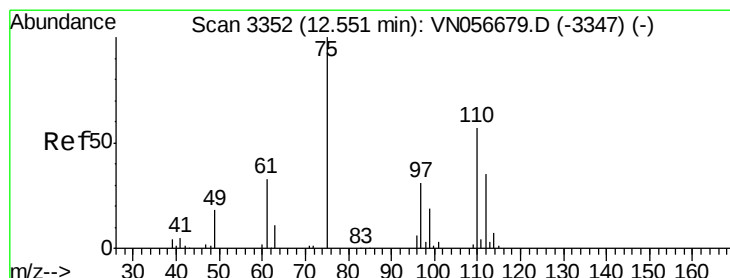
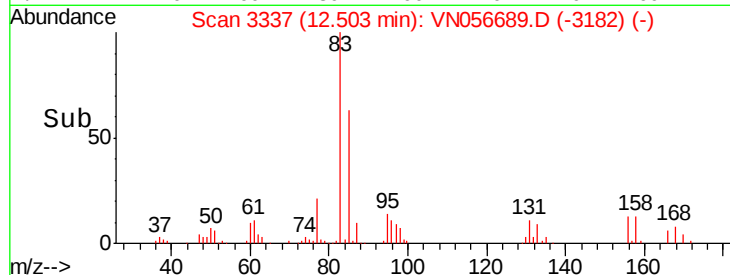
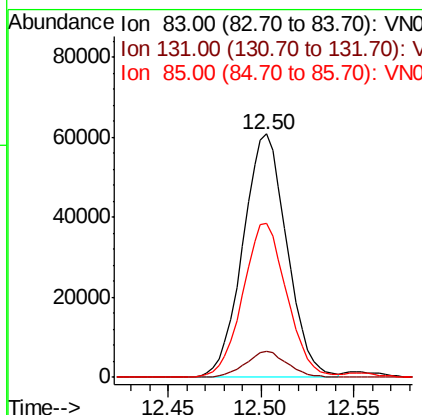
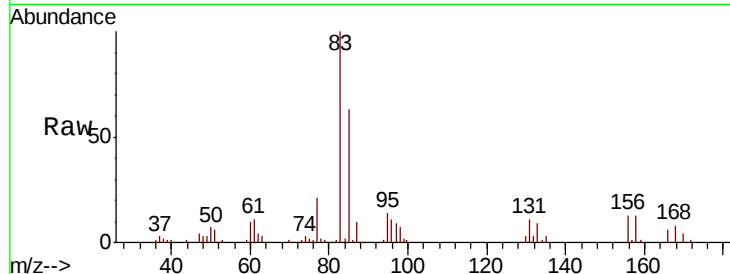




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.977 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

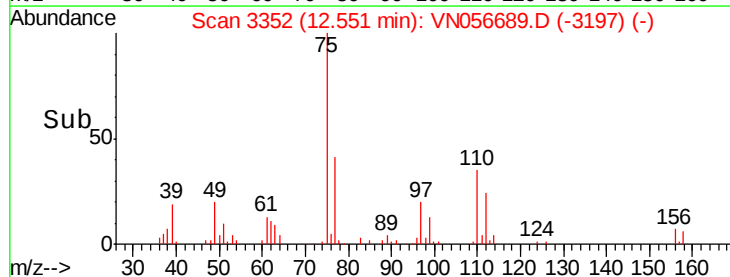
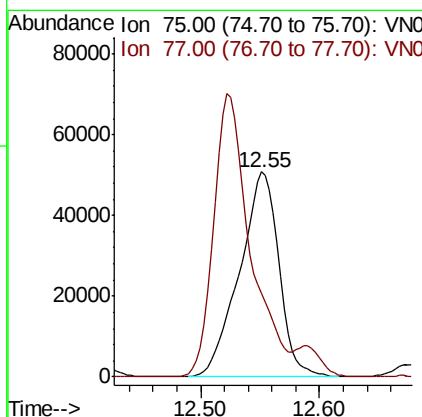
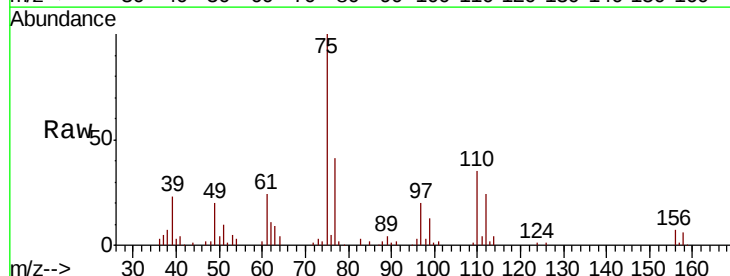
Instrument :
 MSVOA_N
 ClientSampled :

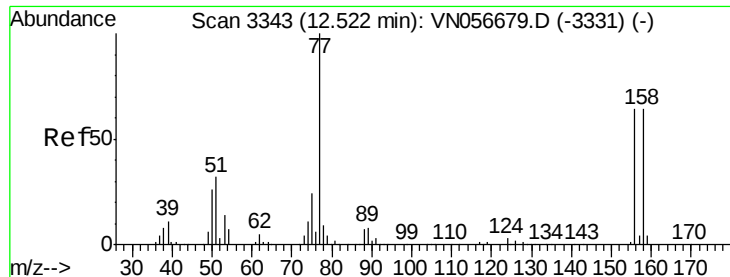
Tot Ion	83	Resp	100369
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.2	31.9	95.7



#72
 1,2,3-Trichloropropane
 Concen: 27.137 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	75	Resp	116531
Ion Ratio	Lower	Upper	
75	100		
77	128.6	0.0	352.2





#73

Bromobenzene

Concen: 19.444 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampled :

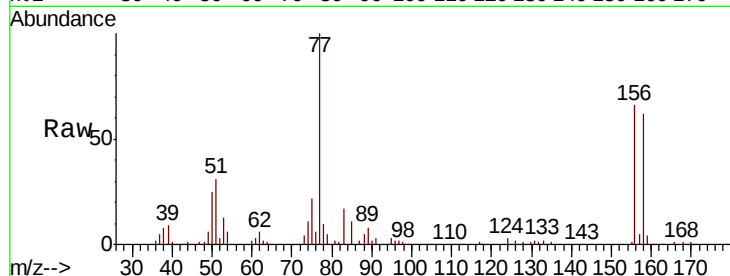
Tot Ion:156 Resp: 78653

Ion Ratio Lower Upper

156 100

77 190.6 0.0 381.8

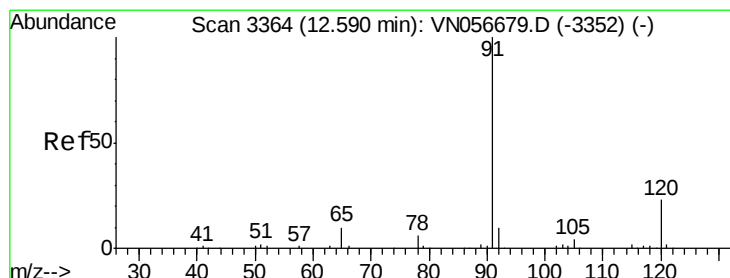
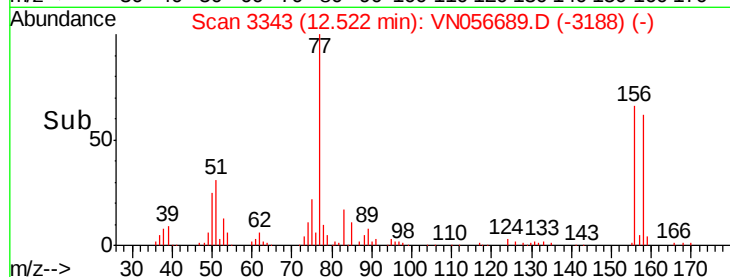
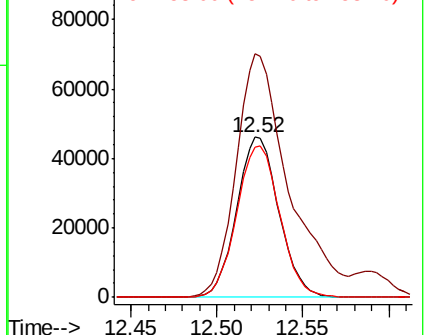
158 96.8 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.713 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056689.D

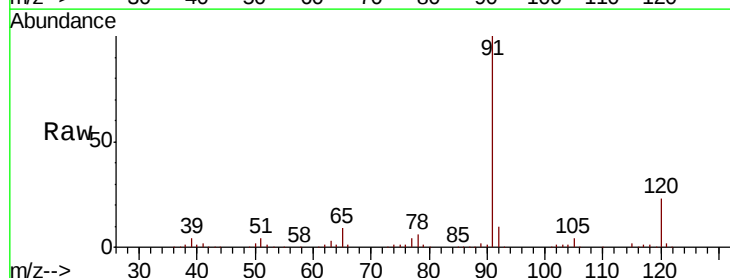
Acq: 12 Jul 2019 14:49

Tgt Ion: 91 Resp: 326800

Ion Ratio Lower Upper

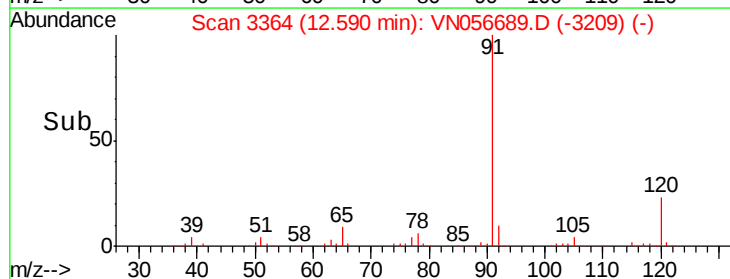
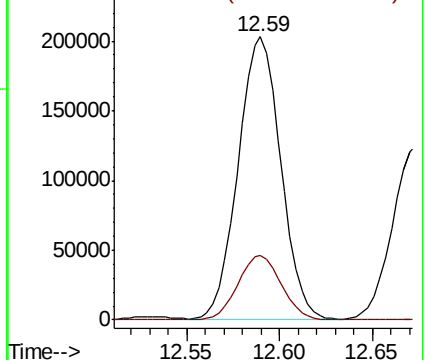
91 100

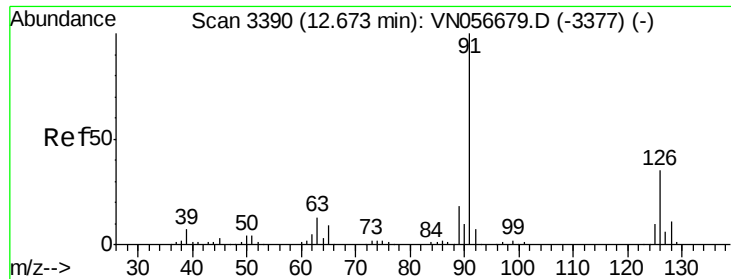
120 23.1 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

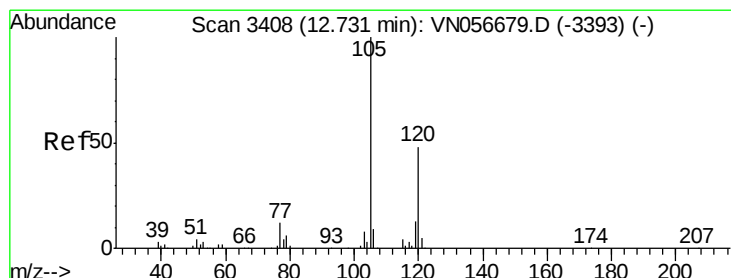
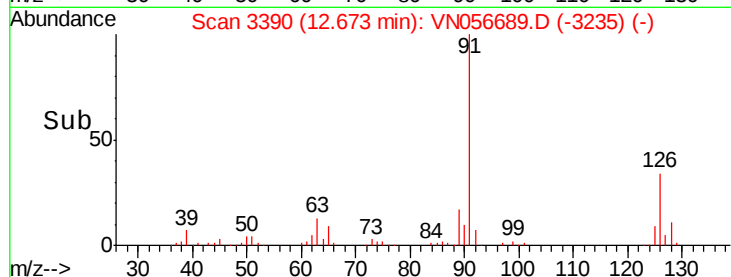
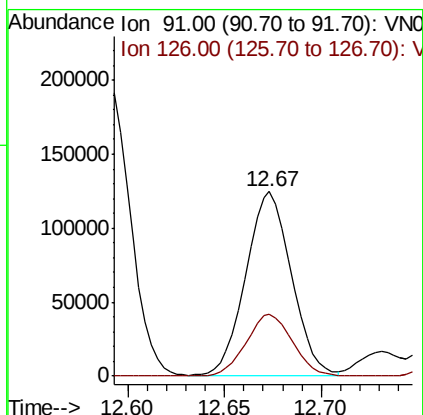
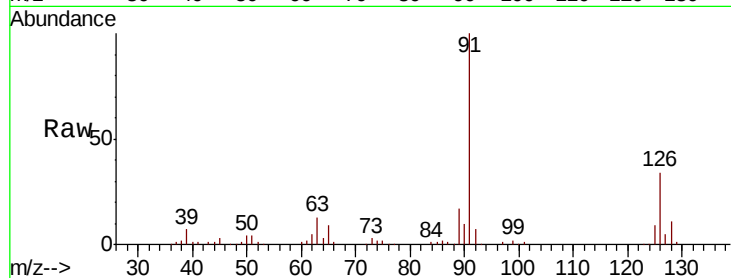




#75
 2-Chlorotoluene
 Concen: 19.573 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

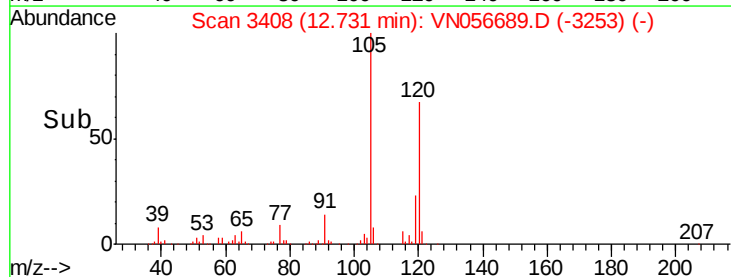
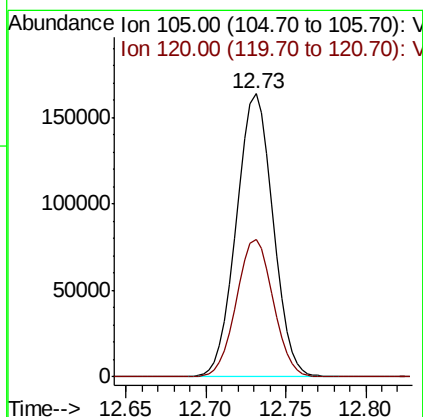
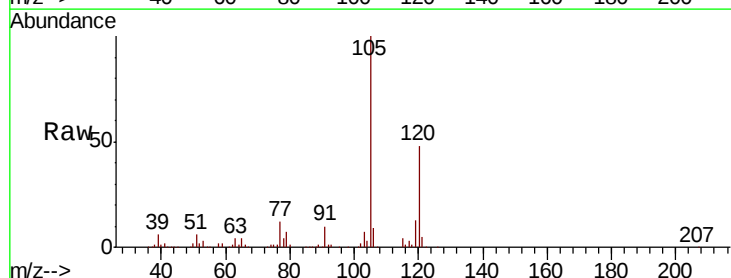
Instrument :
 MSVOA_N
 ClientSampled :

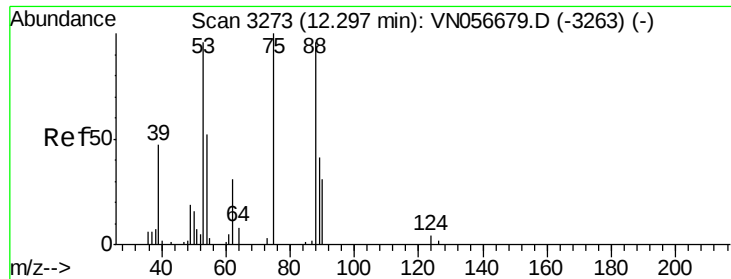
Tot Ion: 91 Resp: 205875
 Ion Ratio Lower Upper
 91 100
 126 34.0 0.0 69.8



#76
 1,3,5-Trimethylbenzene
 Concen: 19.331 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 105 Resp: 255236
 Ion Ratio Lower Upper
 105 100
 120 48.8 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.073 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

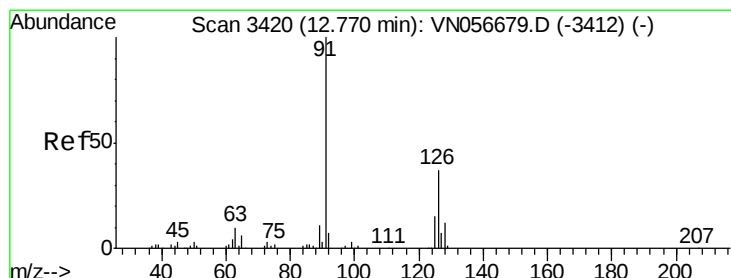
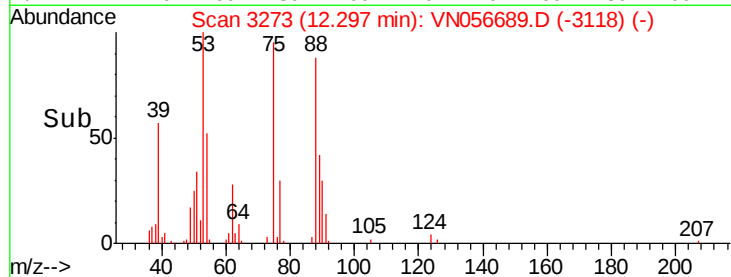
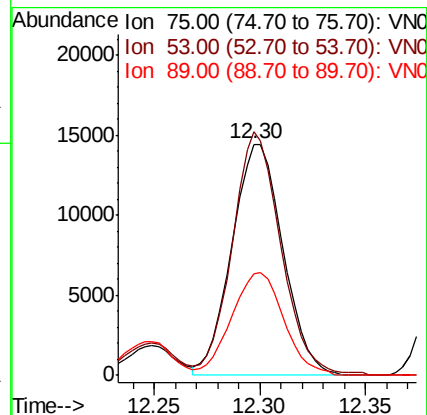
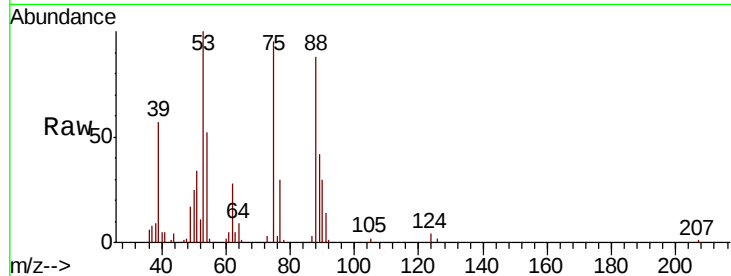
Tot Ion: 75 Resp: 24371

Ion Ratio Lower Upper

75 100

53 103.9 48.6 145.8

89 43.8 21.3 64.0



#78

4-Chlorotoluene

Concen: 18.642 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056689.D

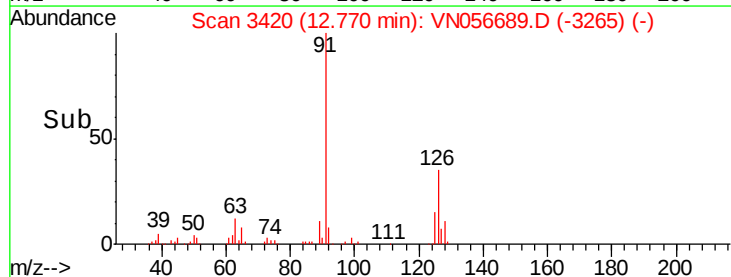
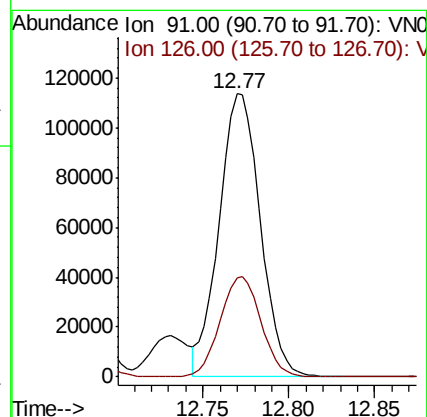
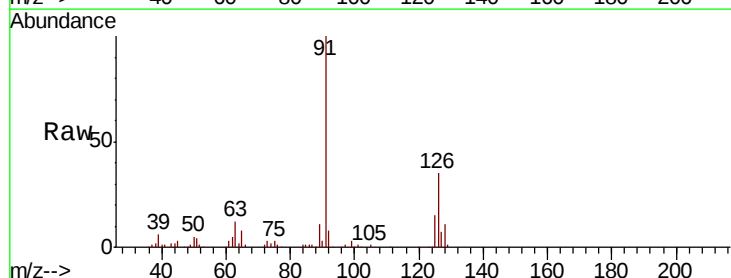
Acq: 12 Jul 2019 14:49

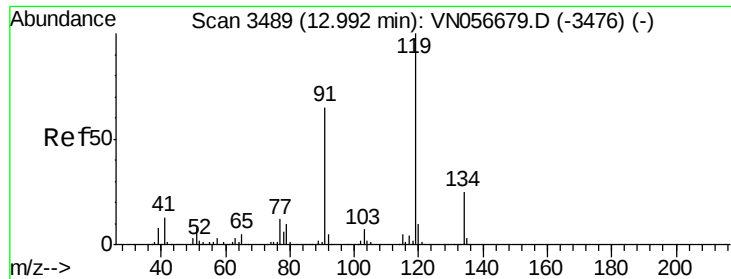
Tgt Ion: 91 Resp: 190142

Ion Ratio Lower Upper

91 100

126 35.1 0.0 69.4





#79

tert-butylbenzene

Concen: 19.288 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

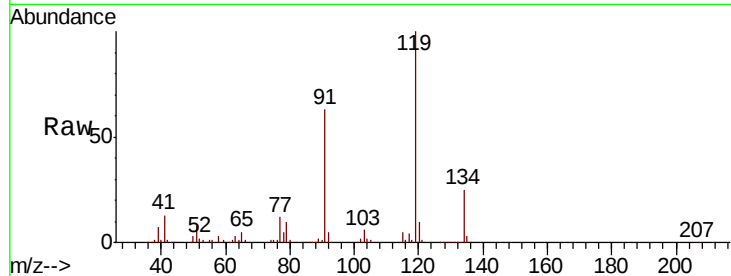
Tot Ion:119 Resp: 216639

Ion Ratio Lower Upper

119 100

91 62.8 0.0 125.4

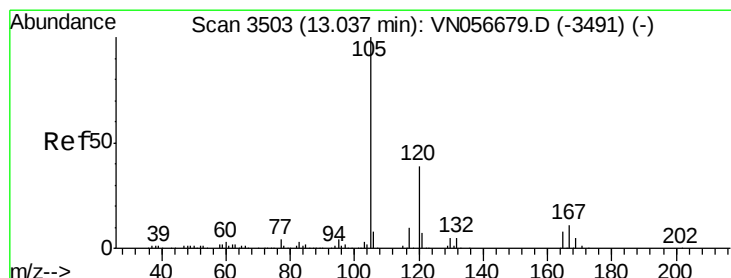
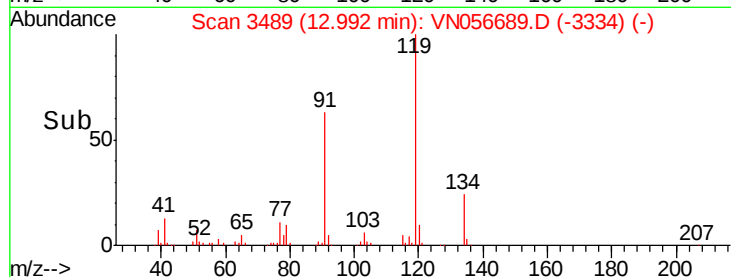
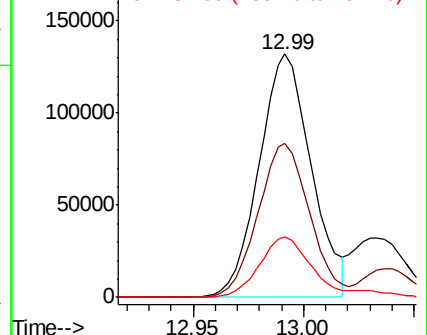
134 24.4 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.254 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056689.D

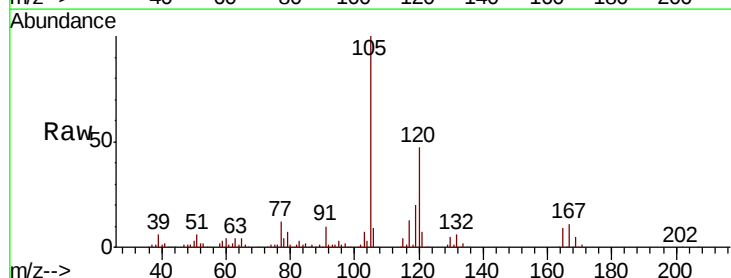
Acq: 12 Jul 2019 14:49

Tgt Ion:105 Resp: 252124

Ion Ratio Lower Upper

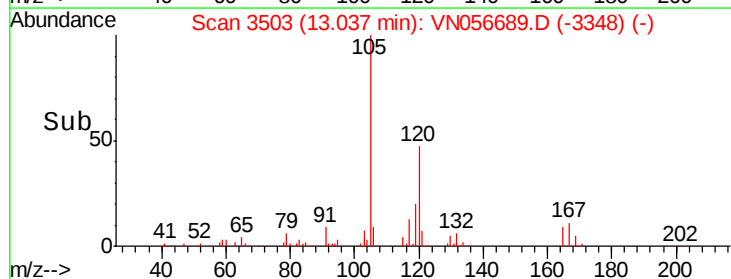
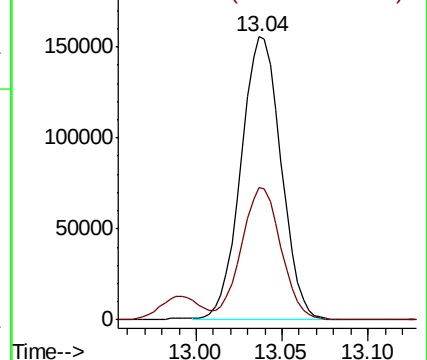
105 100

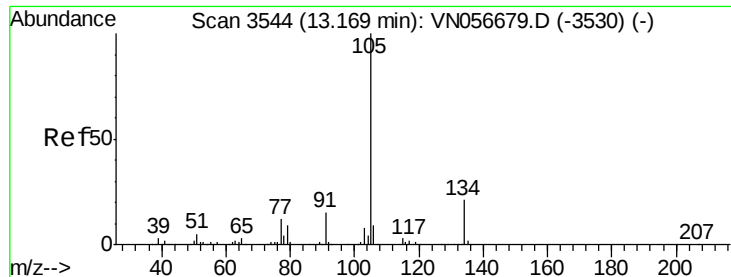
120 46.6 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

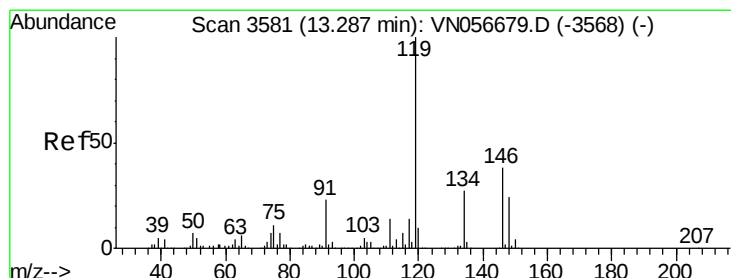
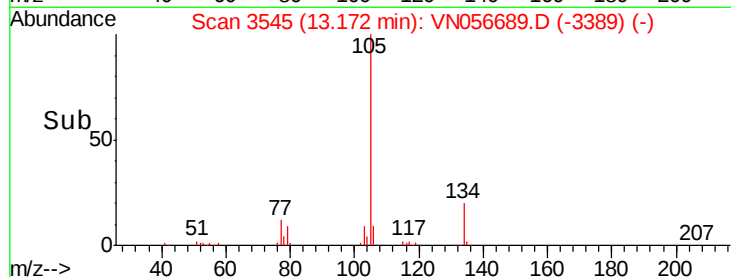
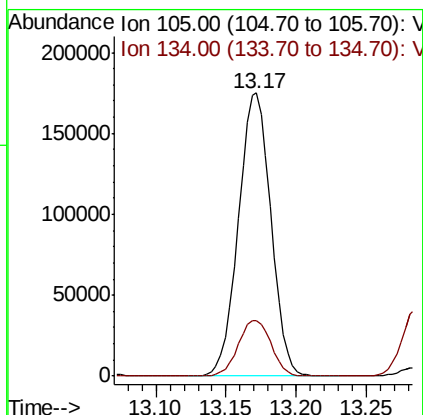
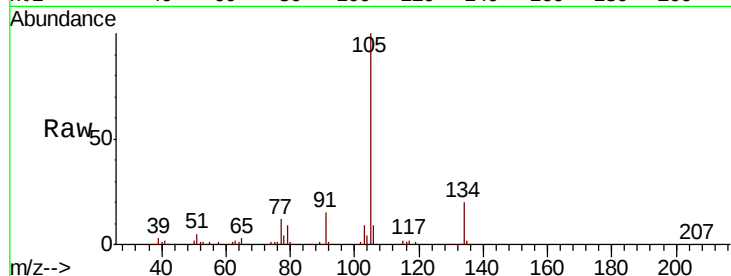




#81
 sec-Butylbenzene
 Concen: 19.010 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

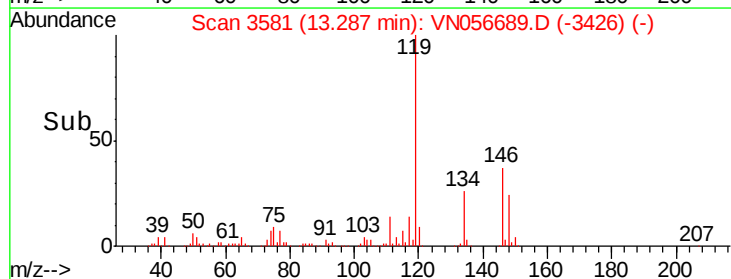
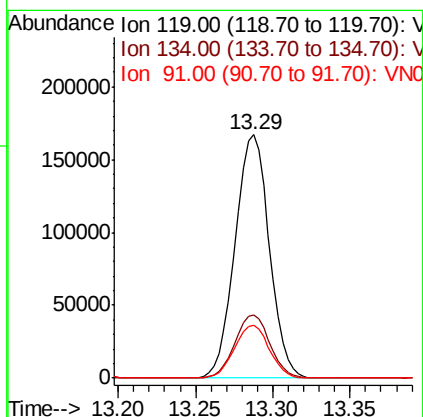
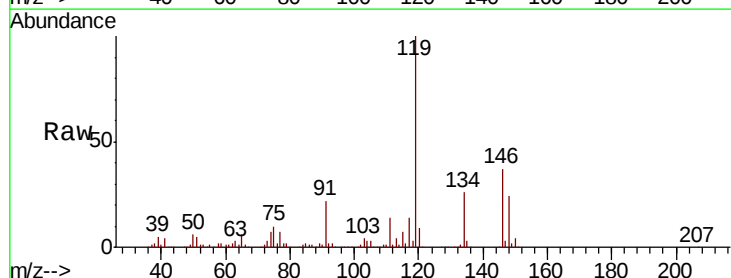
Instrument :
 MSVOA_N
 ClientSampleId :

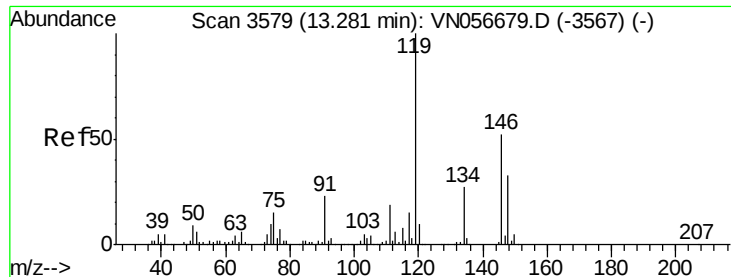
Tot Ion:105 Resp: 282627
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 19.007 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion:119 Resp: 256989
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.8
 91 22.2 0.0 45.4

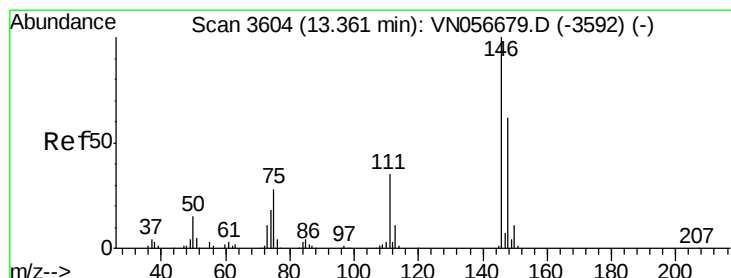
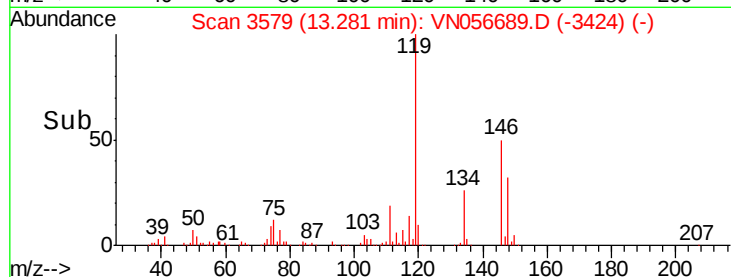
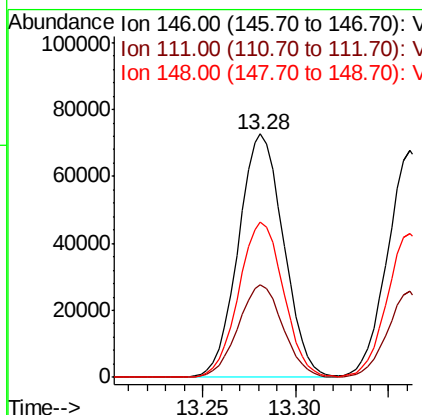
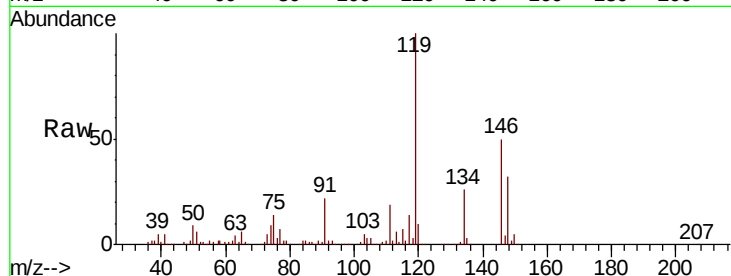




#83
 1,3-Dichlorobenzene
 Concen: 18.259 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

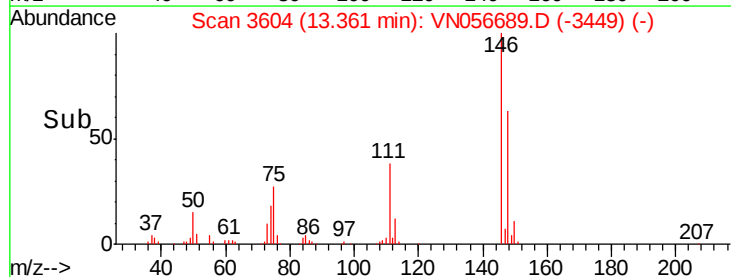
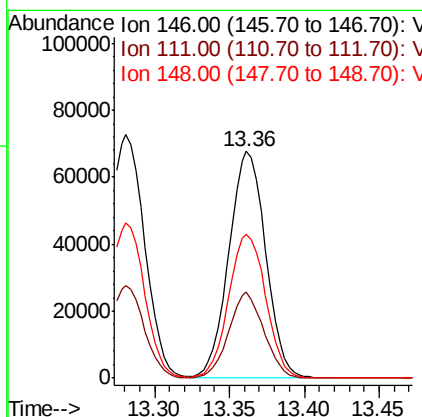
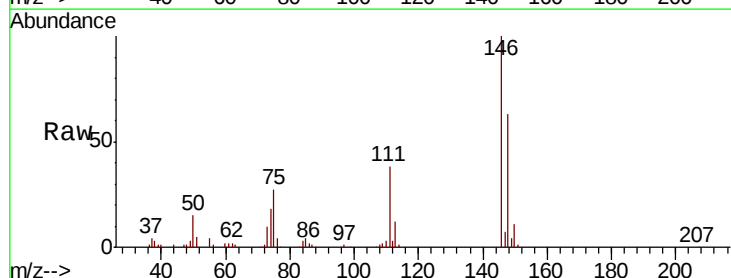
Instrument :
 MSVOA_N
 ClientSampleId :

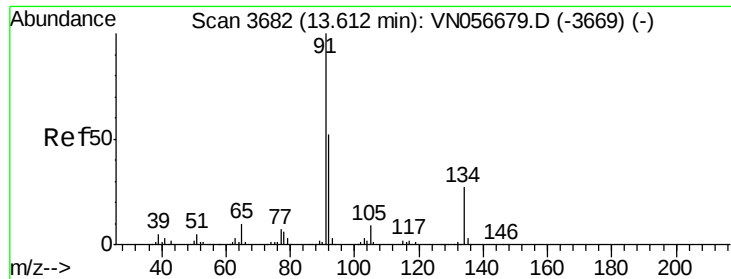
Tot Ion:146 Resp: 123103
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 63.3 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 18.016 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion:146 Resp: 116428
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.8 53.4
 148 63.8 31.9 95.5





#85

n-Butylbenzene

Concen: 17.430 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

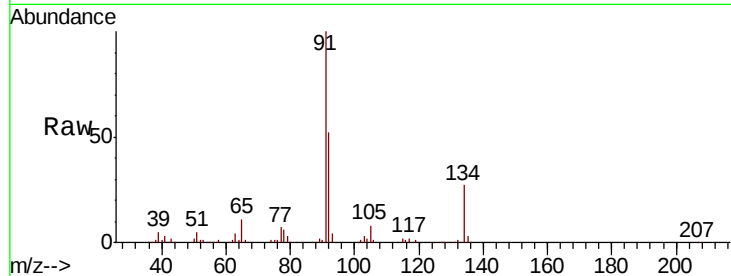
Tot Ion: 91 Resp: 194393

Ion Ratio Lower Upper

91 100

92 52.6 0.0 104.0

134 26.6 0.0 53.2

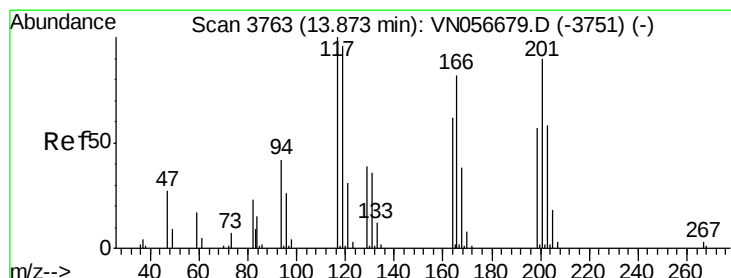
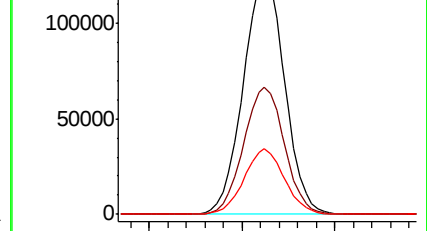
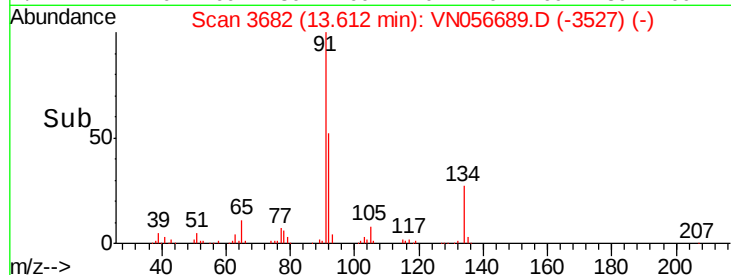


Abundance Ion 91.00 (90.70 to 91.70): VN056689.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056689.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056689.D (-3669) (-)

13.61



#86

Hexachloroethane

Concen: 18.093 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056689.D

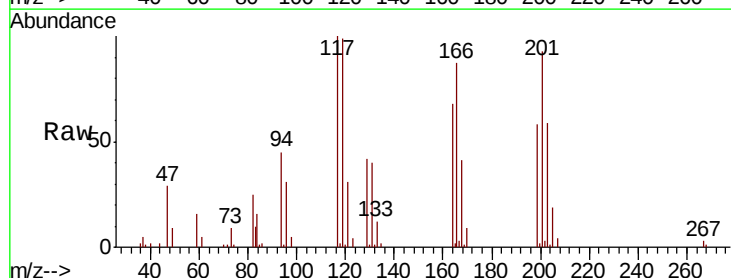
Acq: 12 Jul 2019 14:49

Tgt Ion: 117 Resp: 38383

Ion Ratio Lower Upper

117 100

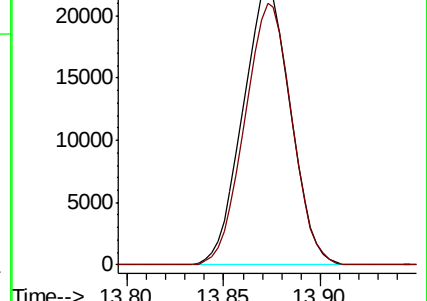
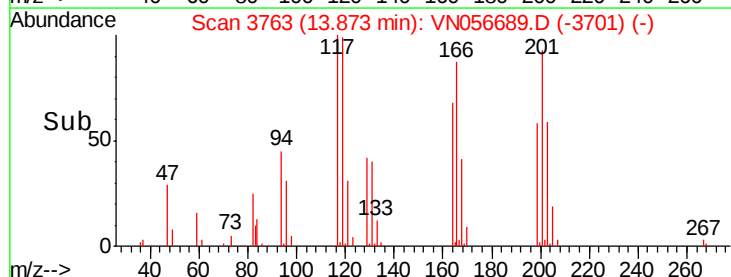
201 92.6 45.6 136.7

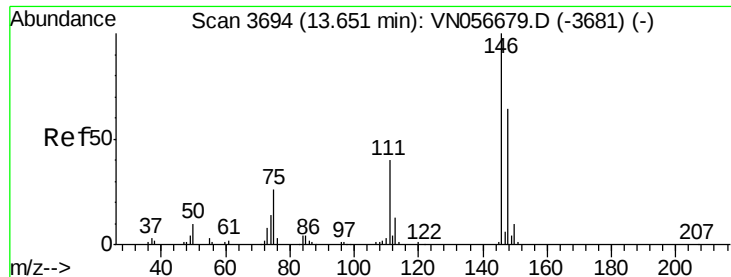


Abundance Ion 117.00 (116.70 to 117.70): VN056689.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056689.D (-3751) (-)

13.87

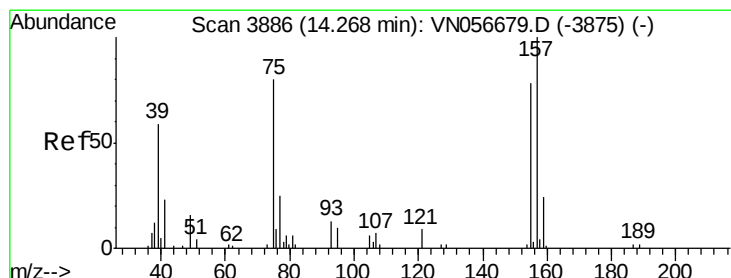
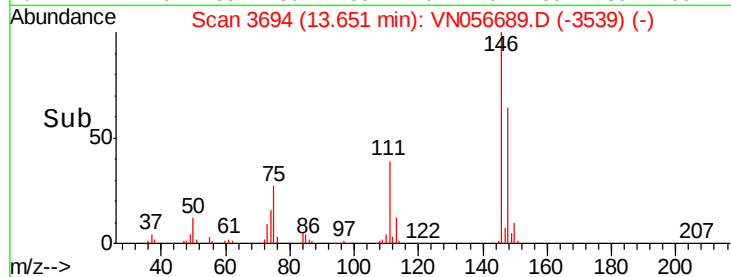
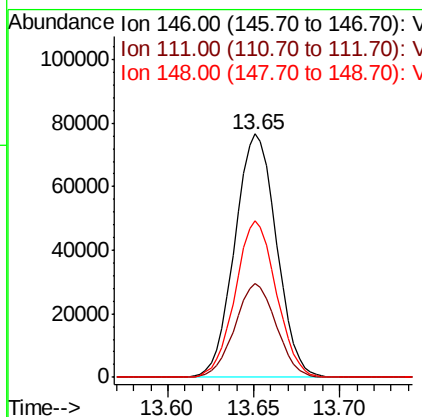
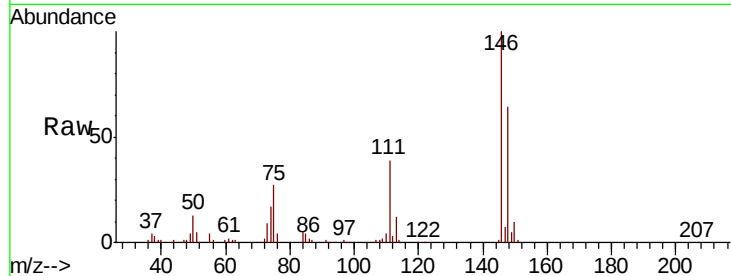




#87
 1,2-Dichlorobenzene
 Concen: 19.032 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

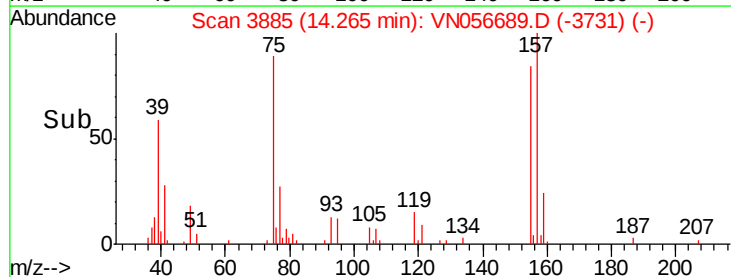
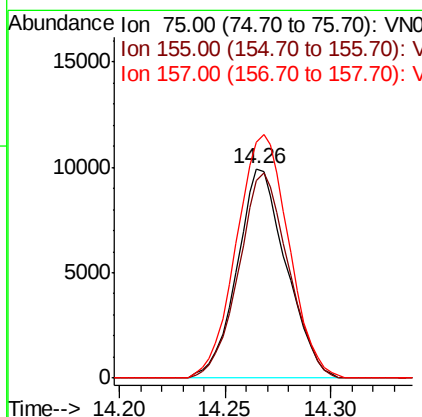
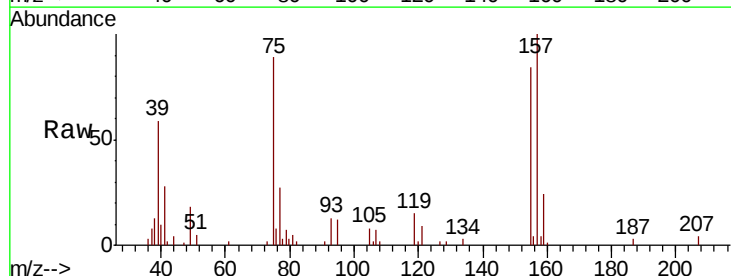
Instrument :
 MSVOA_N
 ClientSampleId :

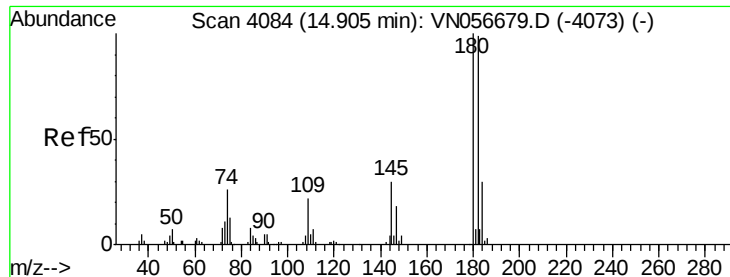
Tot Ion:146 Resp: 128947
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.7 59.0
 148 63.4 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.548 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 75 Resp: 16078
 Ion Ratio Lower Upper
 75 100
 155 99.0 78.6 117.8
 157 123.8 99.3 148.9

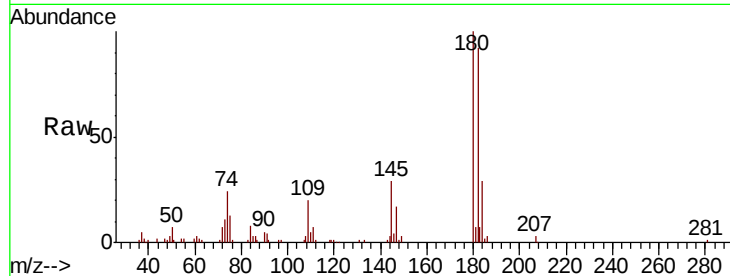




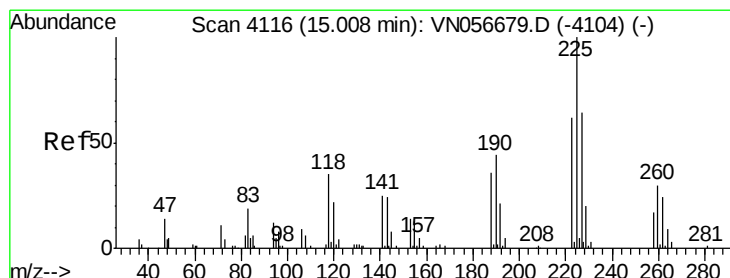
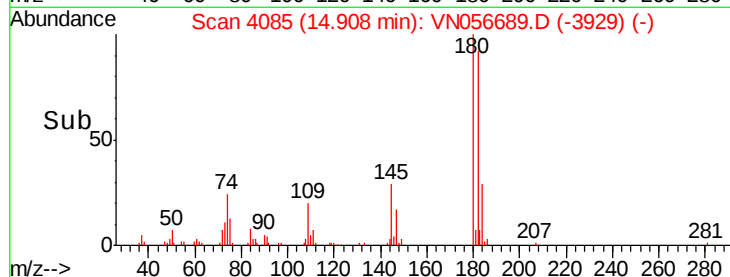
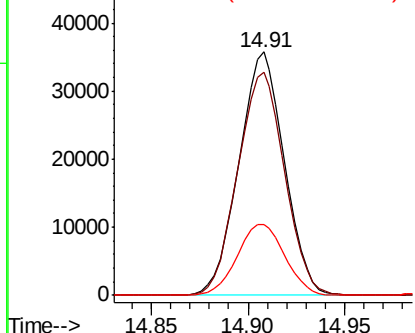
#89
 1,2,4-Trichlorobenzene
 Concen: 15.984 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 58250
 Ion Ratio Lower Upper
 180 100
 182 94.6 78.2 117.4
 145 30.5 23.2 34.8

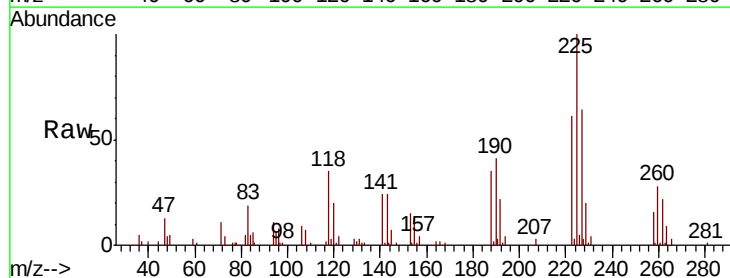


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

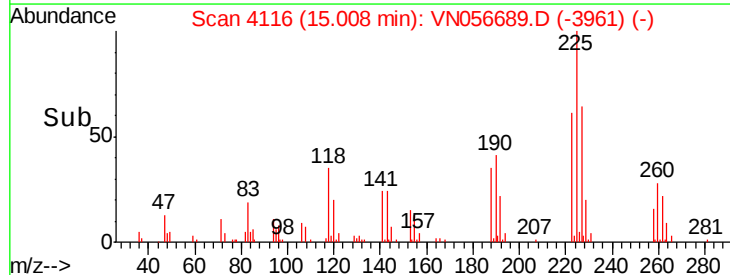
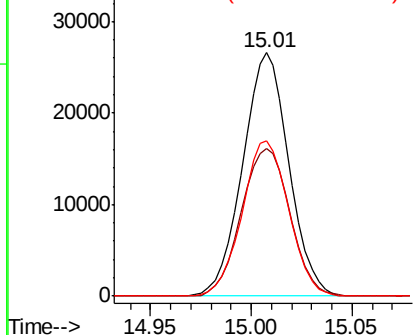


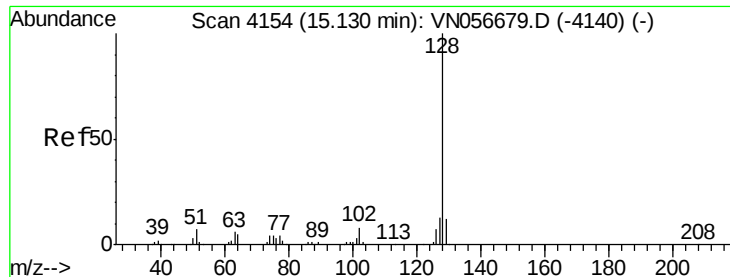
#90
 Hexachlorobutadiene
 Concen: 17.980 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion:225 Resp: 42602
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 124.6
 227 64.5 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.030 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056689.D

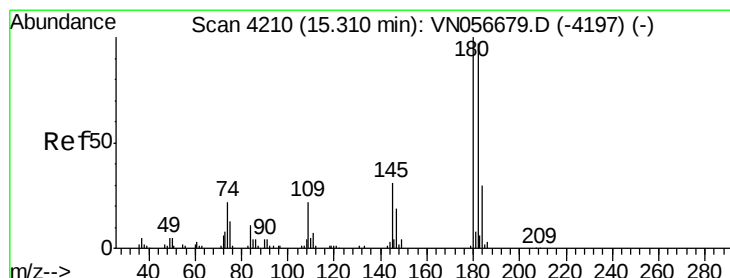
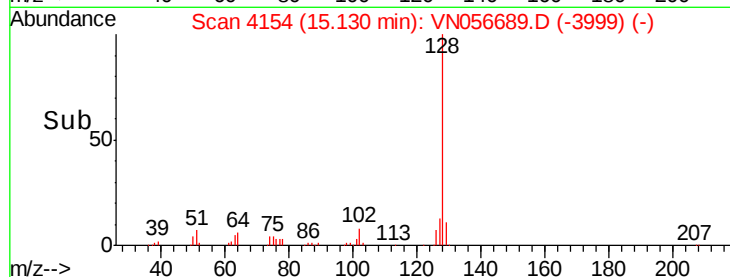
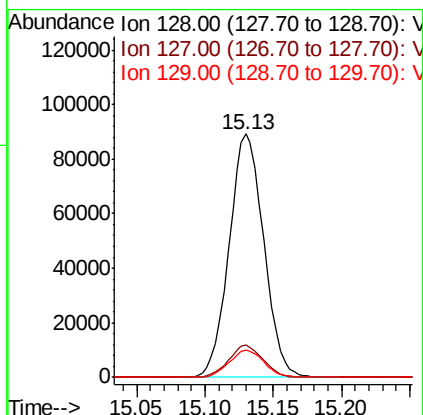
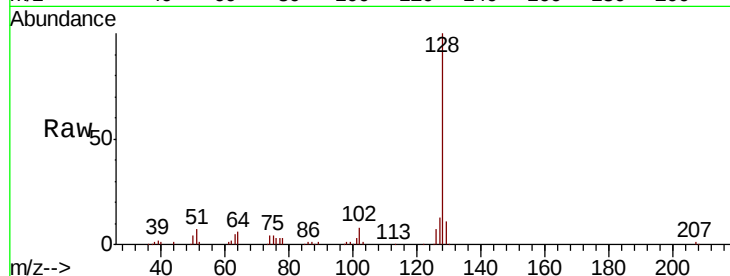
Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128	Resp:	157128
Ion	Ratio	Lower Upper
128	100	
127	13.0	10.4 15.6
129	11.2	8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 16.982 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:180	Resp:	64895
Ion	Ratio	Lower Upper
180	100	
182	95.2	0.0 192.4
145	30.3	0.0 60.4

