

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056678.D
 Acq On : 12 Jul 2019 10:08
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 12 23:43:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55431	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303198	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	257531	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	114625	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	12.40	95	106494	26.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.33%
63) Toluene-d8	10.09	98	370393	31.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	12633	4.383 ug/l	96
3) Chloromethane	2.06	50	18797	4.569 ug/l	99
4) Vinyl Chloride	2.18	62	18678	4.772 ug/l	97
5) Bromomethane	2.57	94	13002	6.121 ug/l	93
6) Chloroethane	2.70	64	11543	5.310 ug/l	96
7) Trichlorofluoromethane	3.01	101	24601	4.907 ug/l	94
8) Diethyl Ether	3.41	74	10078	4.802 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	16114	5.086 ug/l	63
10) 1,1-Dichloroethene	3.73	96	15361	4.975 ug/l	97
11) Methyl Iodide	3.95	142	16687	3.802 ug/l	98
12) Methyl Acetate	4.33	43	24537	5.929 ug/l	95
13) Acrolein	3.61	56	9322	24.706 ug/l	96
14) Acrylonitrile	4.99	53	44092	24.198 ug/l #	89
15) Acetone	3.82	58	14512	26.047 ug/l	96
16) Carbon Disulfide	4.05	76	36709	4.825 ug/l	98
17) Allyl chloride	4.32	41	25644	4.736 ug/l	96
18) Methylene Chloride	4.55	84	18409	5.036 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	16547	4.936 ug/l	91
20) Diisopropyl ether	5.95	45	53742	4.843 ug/l	98
21) 1,1-Dichloroethane	5.85	63	30624	4.883 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	19695	5.003 ug/l	97
23) tert-Butyl Alcohol	4.79	59	15101	22.102 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	48792	4.802 ug/l #	84
25) Chloroform	7.37	83	31113	5.051 ug/l	97
26) Cyclohexane	7.65	56	27339	4.697 ug/l #	100
29) 1,1-Dichloropropene	7.79	75	22259	4.832 ug/l	99
30) 2-Butanone	6.84	43	62669	24.168 ug/l	99
31) 2,2-Dichloropropane	6.82	77	10730	2.421 ug/l #	44
32) 1,1,1-Trichloroethane	7.57	97	24341	4.973 ug/l	99
33) Carbon Tetrachloride	7.77	117	19852	4.751 ug/l	93
34) Benzene	8.04	78	71560	4.989 ug/l #	71
35) Methacrylonitrile	7.21	41	20769	9.725 ug/l #	51
36) 1,2-Dichloroethane	8.12	62	23874	5.132 ug/l	100
37) Trichloroethene	8.83	130	18956	5.016 ug/l	98
38) Methylcyclohexane	9.08	83	27671	4.782 ug/l	98
39) 1,2-Dichloropropane	9.12	63	19459	5.054 ug/l	100
40) Dibromomethane	9.21	93	11952	4.996 ug/l	97

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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :
 VSTDIC005

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	21556	4.845	ug/l	93
42) Vinyl Acetate	5.90	43	199311	22.042	ug/l	99
43) Ethyl Acetate	6.93	43	21952	4.479	ug/l	96
44) Isopropyl Acetate	8.16	43	34958	4.586	ug/l	90
45) 1,4-Dioxane	9.20	88	5579	73.687	ug/l #	89
46) Methyl methacrylate	9.20	41	17357	4.627	ug/l	96
47) n-amyl Acetate	12.07	43	24055	3.809	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	20833	4.360	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	24471	4.455	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	17857	5.086	ug/l	98
51) Ethyl methacrylate	10.43	69	24405	4.443	ug/l	97
52) 1,3-Dichloropropane	10.71	76	29304	4.891	ug/l	95
53) Dibromochloromethane	10.90	129	15962	4.605	ug/l	99
54) 1,2-Dibromoethane	11.00	107	17869	4.876	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	57165	20.607	ug/l	99
56) Bromoform	12.12	173	10994	4.332	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	120002	25.524	ug/l	99
59) 2-Hexanone	10.75	43	83485	23.607	ug/l	98
61) Tetrachloroethene	10.63	164	18681	5.556	ug/l	95
62) Toluene	10.15	91	77221	5.271	ug/l	96
64) Chlorobenzene	11.43	112	44871	5.077	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	16139	5.033	ug/l	98
66) Ethyl Benzene	11.51	91	77213	4.855	ug/l	99
67) m/p-Xylenes	11.62	106	55992	9.484	ug/l	99
68) o-Xylene	11.95	106	27988	4.831	ug/l	99
69) Styrene	11.96	104	42160	4.378	ug/l	99
70) Isopropylbenzene	12.25	105	75680	4.988	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	25512	5.114	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	27707	6.620	ug/l	65
73) Bromobenzene	12.52	156	18436	4.706	ug/l	100
74) n-propylbenzene	12.59	91	76672	4.432	ug/l	99
75) 2-Chlorotoluene	12.67	91	49145	4.765	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	61037	4.722	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	4820	3.541	ug/l	87
78) 4-Chlorotoluene	12.77	91	42947	4.290	ug/l	99
79) tert-butylbenzene	12.99	119	53899	4.897	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	58806	4.605	ug/l	100
81) sec-Butylbenzene	13.17	105	67936	4.649	ug/l	99
82) p-Isopropyltoluene	13.29	119	59768	4.528	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	26860	4.114	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	25008	3.980	ug/l	99
85) n-Butylbenzene	13.61	91	41469	3.754	ug/l	98
86) Hexachloroethane	13.87	117	8947	4.456	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	29676	4.511	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3981	4.479	ug/l	85
89) 1,2,4-Trichlorobenzene	15.31	180	13392	3.693	ug/l	98
90) Hexachlorobutadiene	15.01	225	11493	5.019	ug/l	98
91) Naphthalene	15.13	128	27496	2.754	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	13392	3.527	ug/l	98

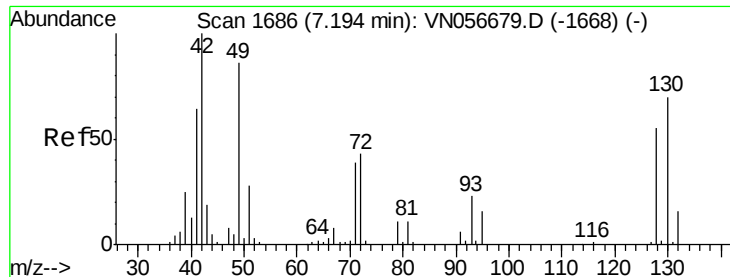
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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QLast Update : Fri Jul 12 23:38:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

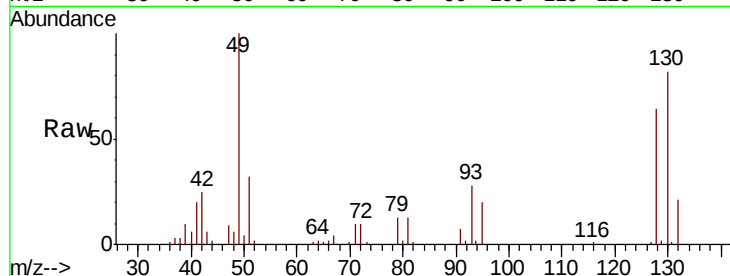
Tot Ion:128 Resp: 55431

Ion Ratio Lower Upper

128 100

49 156.9 0.0 390.5

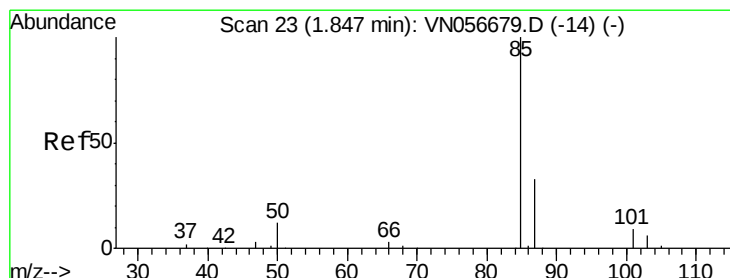
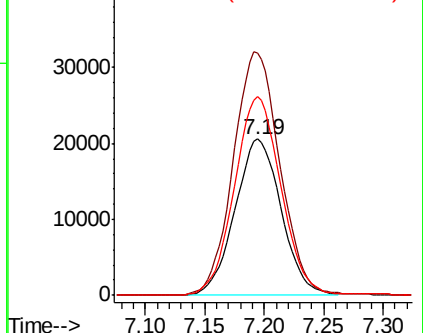
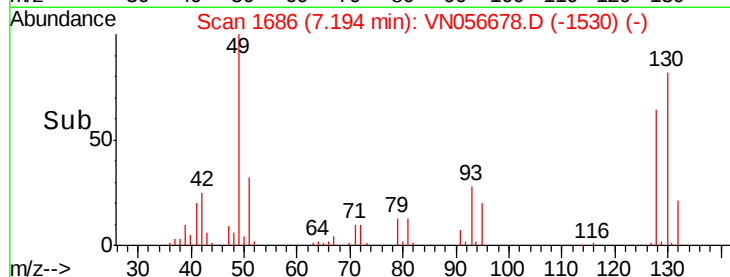
130 128.0 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.383 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056678.D

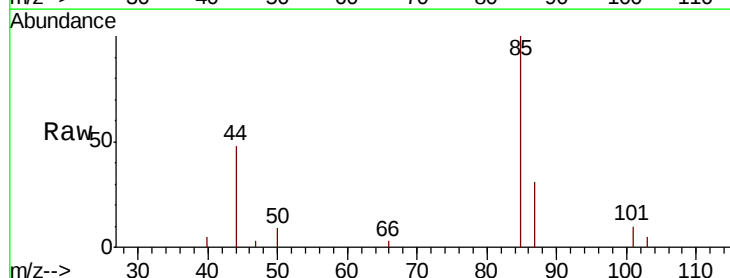
Acq: 12 Jul 2019 10:08

Tgt Ion: 85 Resp: 12633

Ion Ratio Lower Upper

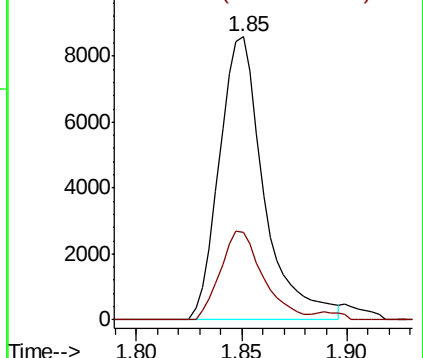
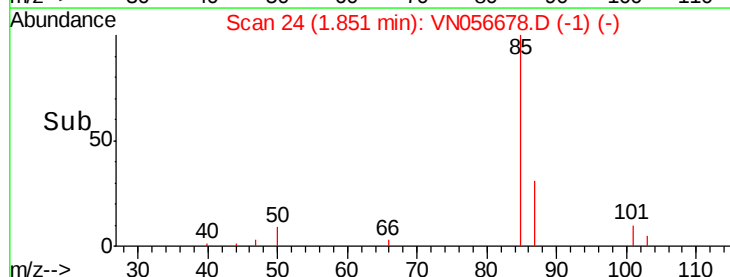
85 100

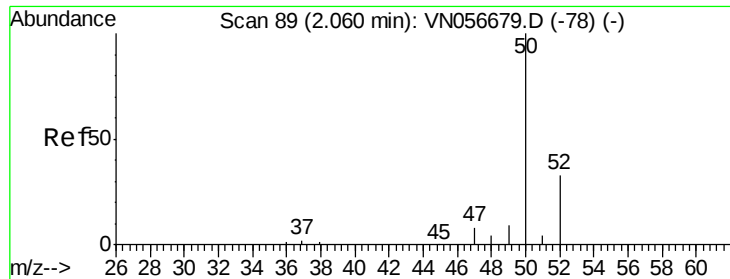
87 31.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

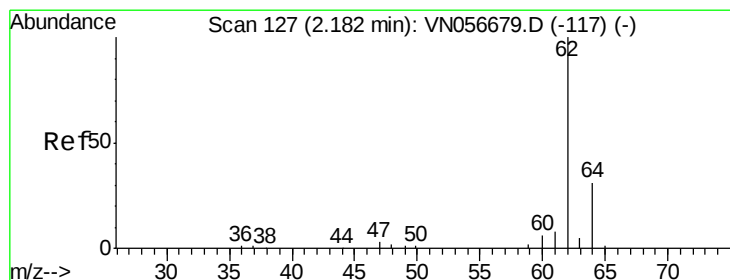
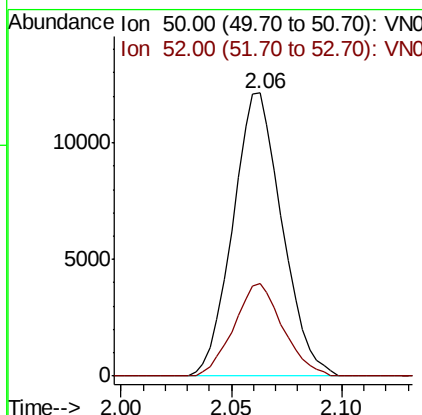
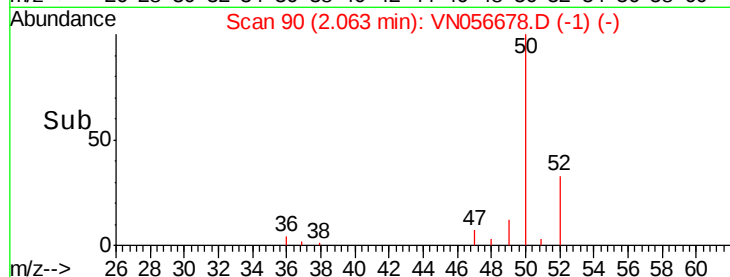
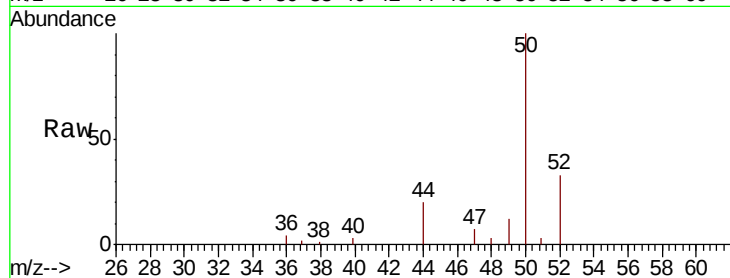




#3
 Chloromethane
 Concen: 4.569 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

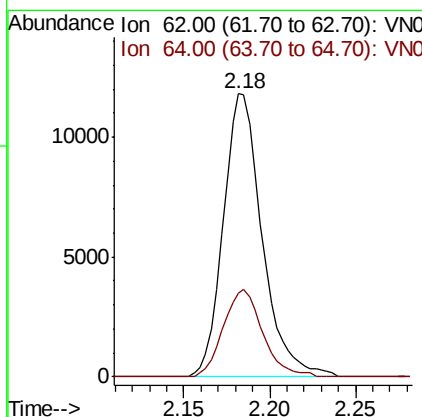
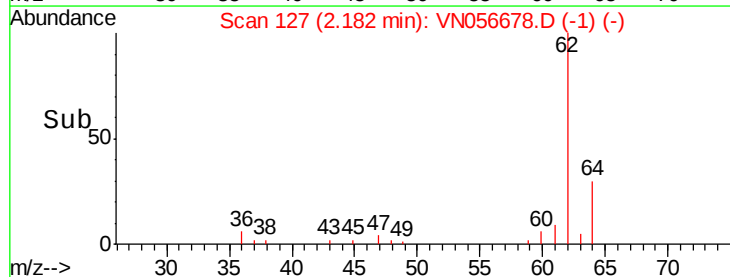
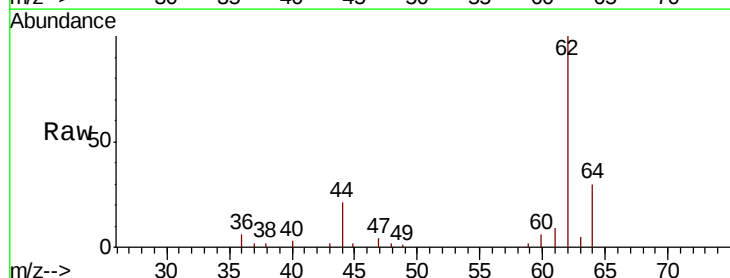
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

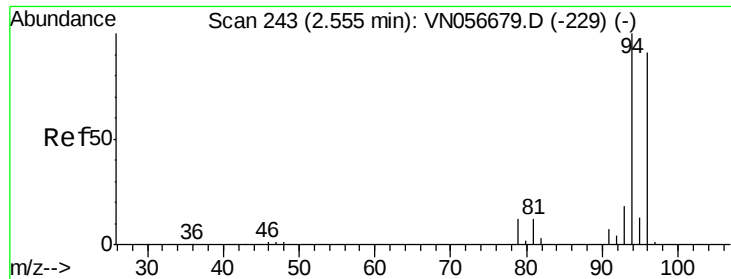
Tot Ion: 50 Resp: 18797
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.5 39.7



#4
 Vinyl Chloride
 Concen: 4.772 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 62 Resp: 18678
 Ion Ratio Lower Upper
 62 100
 64 29.6 25.0 37.4





#5

Bromomethane

Concen: 6.121 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

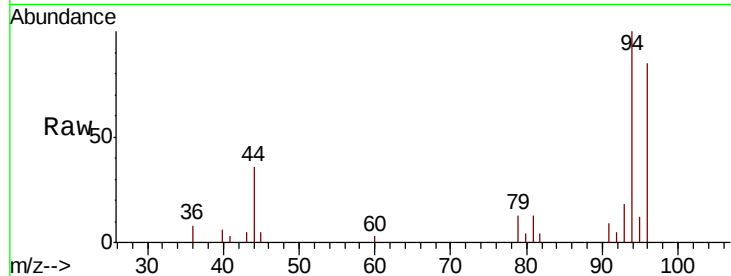
VSTDIC005

Tot Ion: 94 Resp: 13002

Ion Ratio Lower Upper

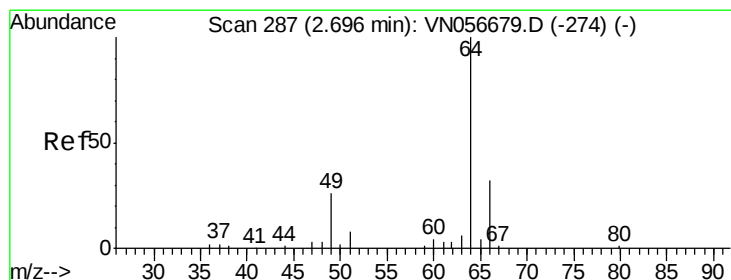
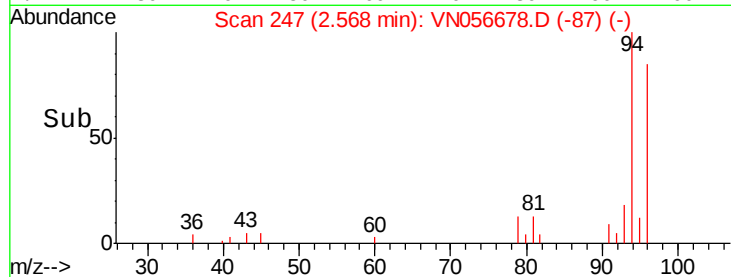
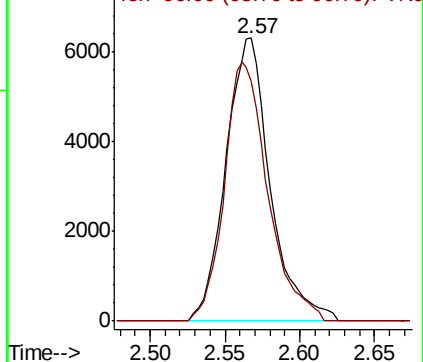
94 100

96 84.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.310 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN056678.D

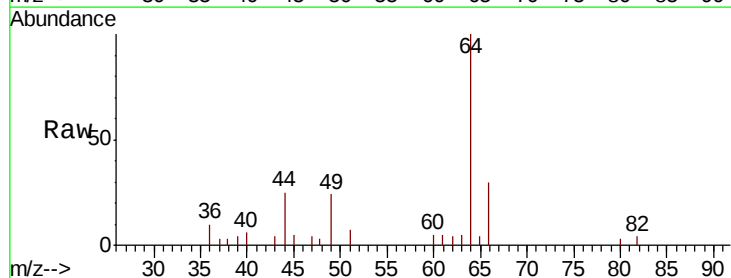
Acq: 12 Jul 2019 10:08

Tgt Ion: 64 Resp: 11543

Ion Ratio Lower Upper

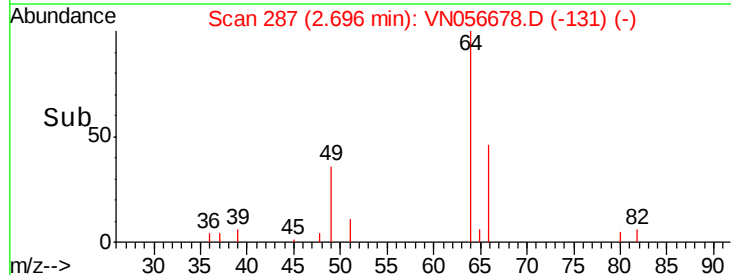
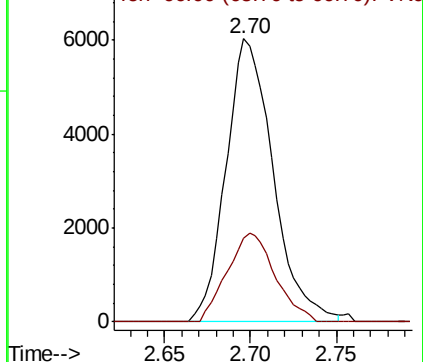
64 100

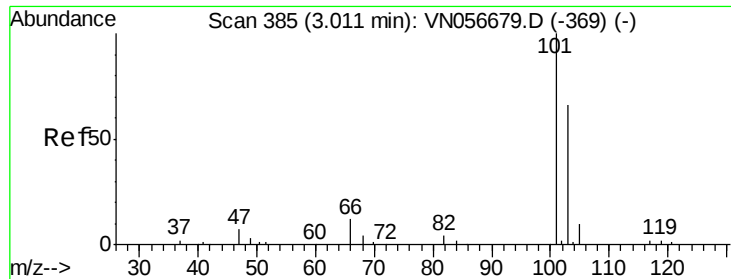
66 29.8 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



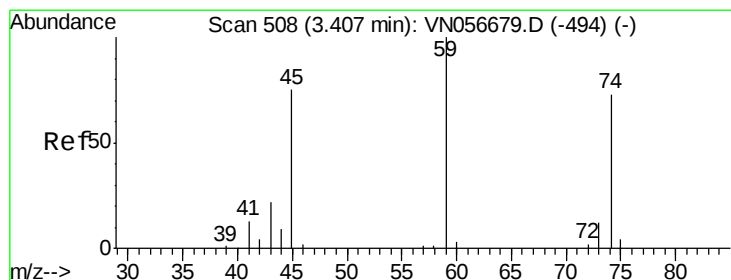
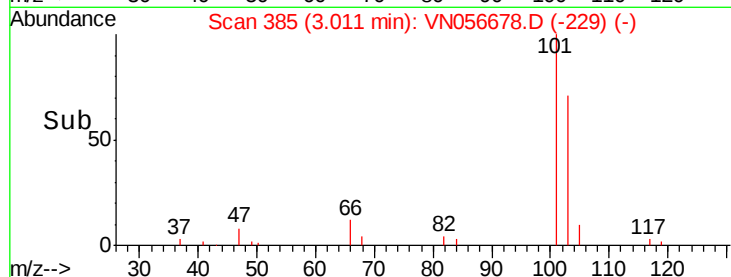
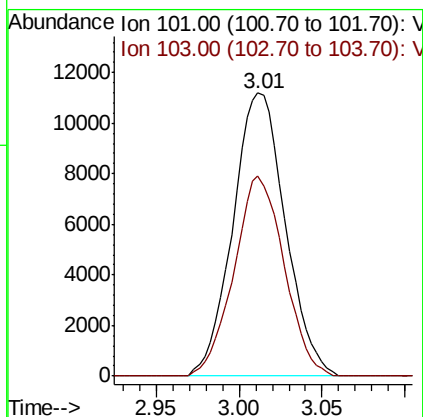
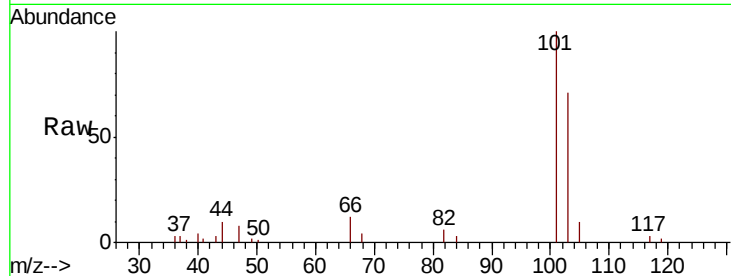


#7

Trichlorofluoromethane
 Concen: 4.907 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

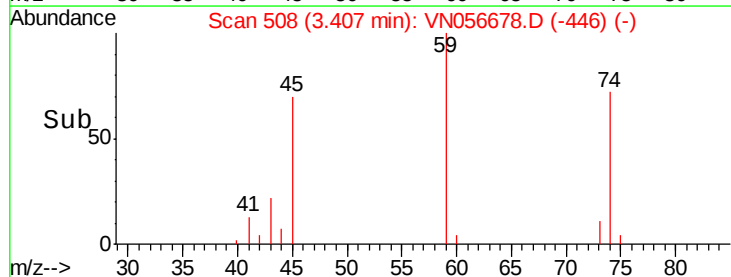
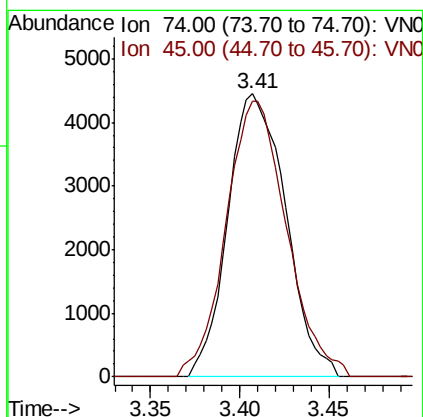
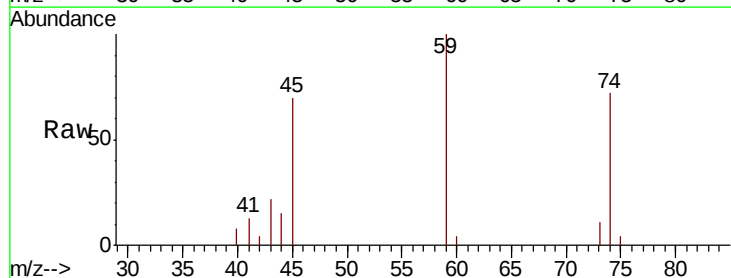
Tot Ion:101 Resp: 24601
 Ion Ratio Lower Upper
 101 100
 103 70.7 52.8 79.2

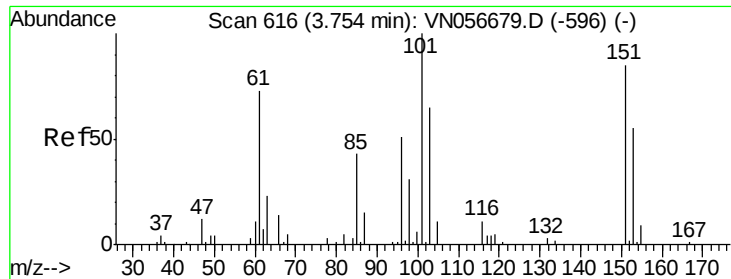


#8

Diethyl Ether
 Concen: 4.802 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 74 Resp: 10078
 Ion Ratio Lower Upper
 74 100
 45 101.7 19.9 179.5

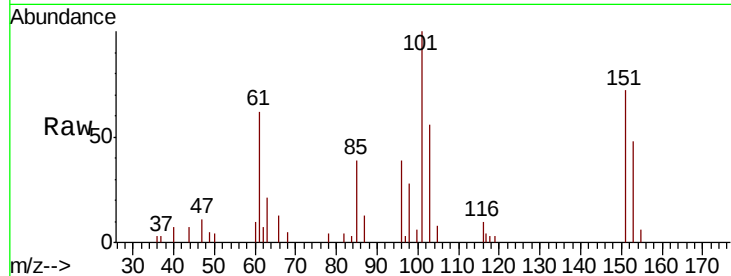




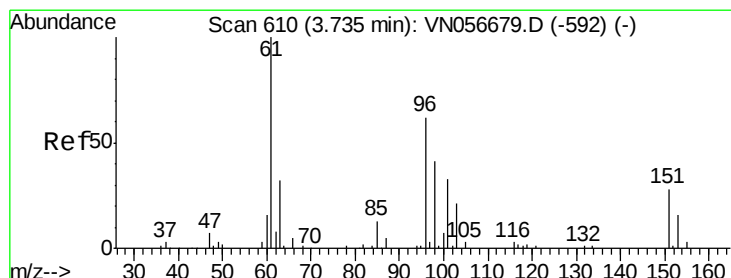
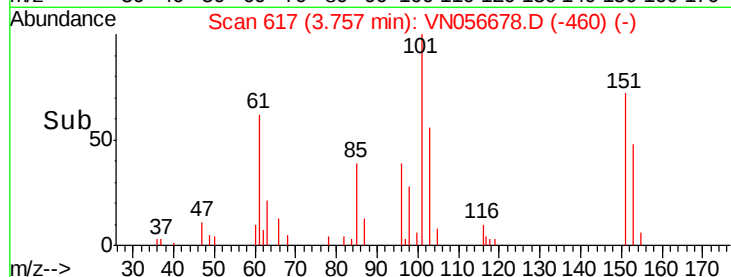
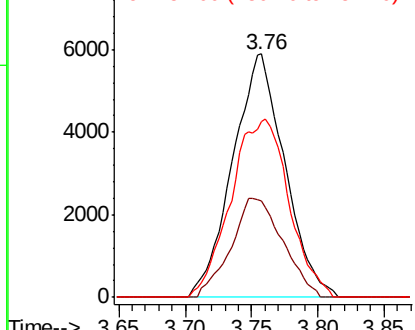
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.086 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 16114
 Ion Ratio Lower Upper
 101 100
 85 40.4 0.0 84.2
 151 34.9 0.0 167.6

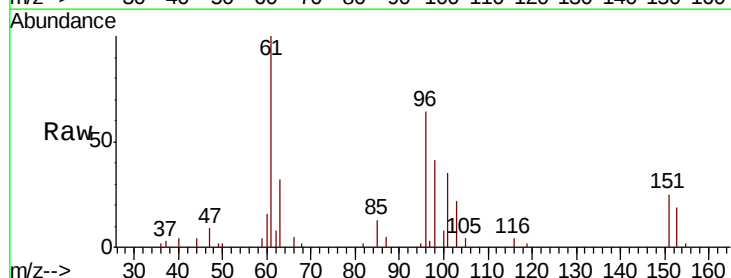


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

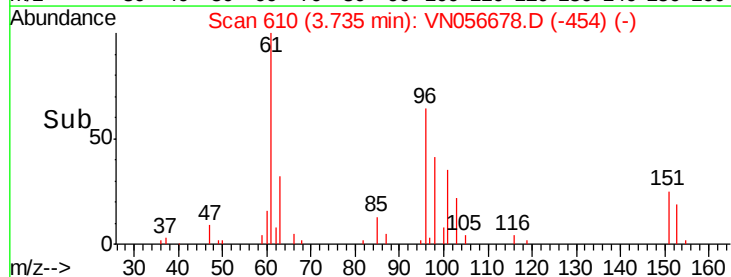
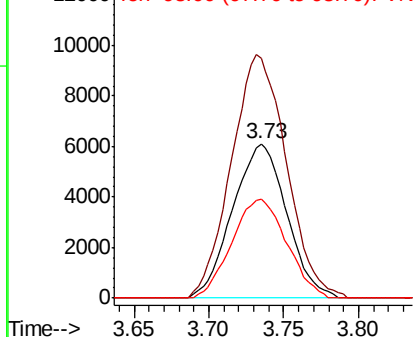


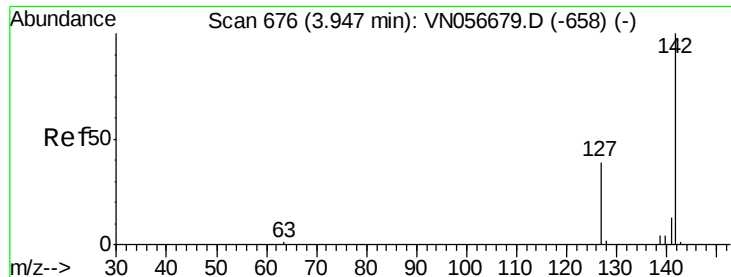
#10
 1,1-Dichloroethene
 Concen: 4.975 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 96 Resp: 15361
 Ion Ratio Lower Upper
 96 100
 61 155.9 129.0 193.4
 98 64.4 52.5 78.7



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

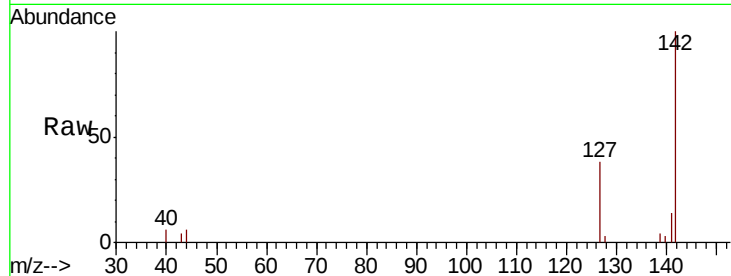




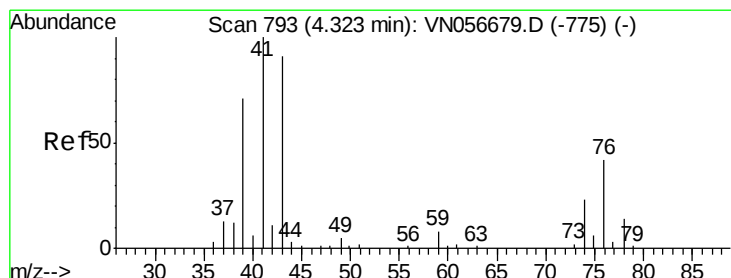
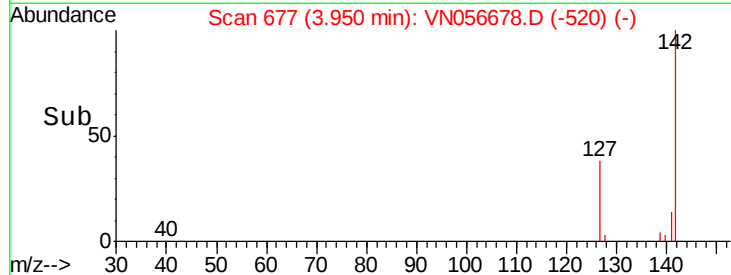
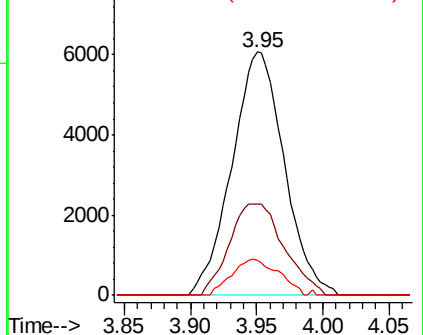
#11
Methyl Iodide
Concen: 3.802 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:142 Resp: 16687
Ion Ratio Lower Upper
142 100
127 37.5 19.5 58.5
141 14.5 6.8 20.3

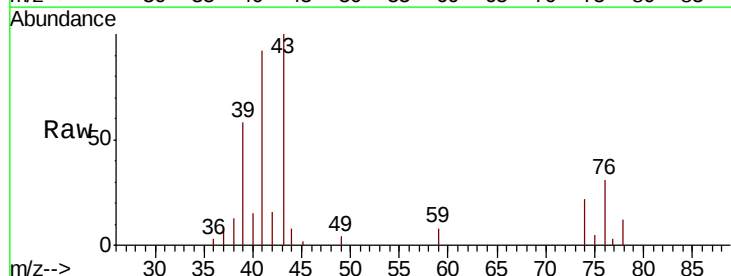


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

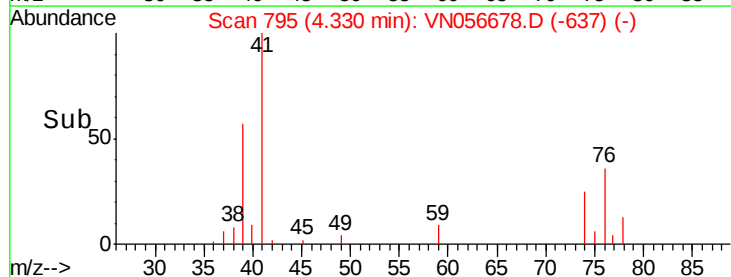
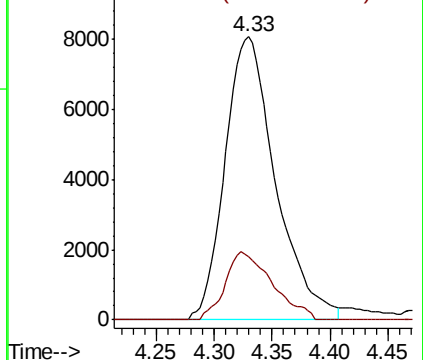


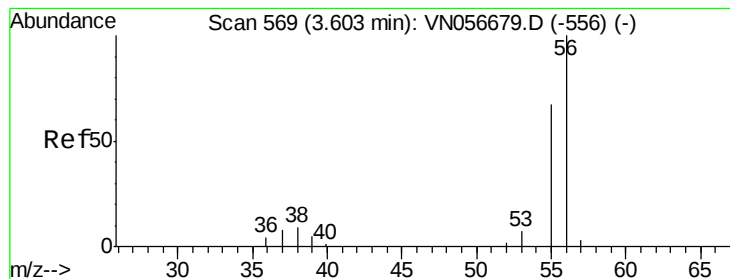
#12
Methyl Acetate
Concen: 5.929 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 43 Resp: 24537
Ion Ratio Lower Upper
43 100
74 22.6 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: 24.706 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

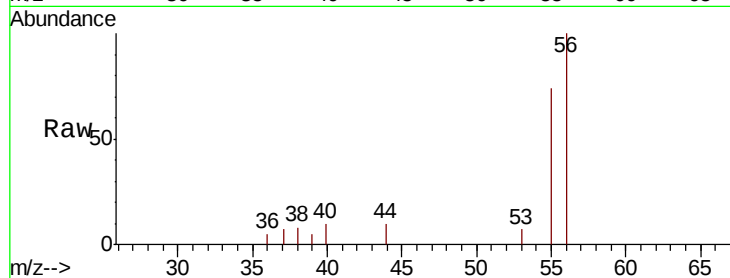
VSTDIC005

Tot Ion: 56 Resp: 9322

Ion Ratio Lower Upper

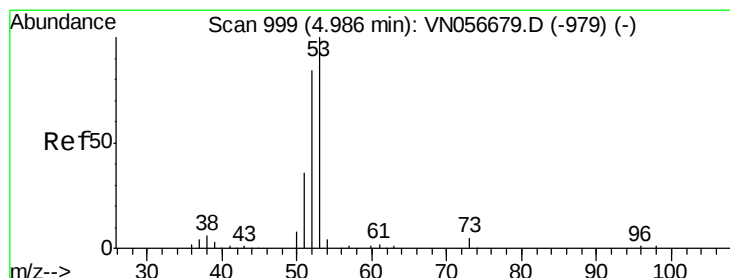
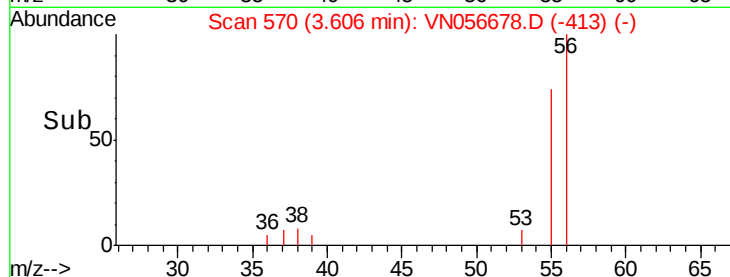
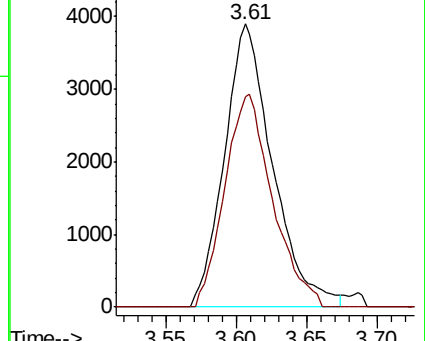
56 100

55 74.2 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 24.198 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

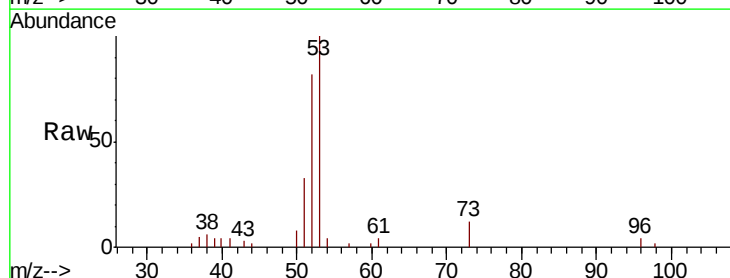
Tgt Ion: 53 Resp: 44092

Ion Ratio Lower Upper

53 100

52 82.9 41.3 123.7

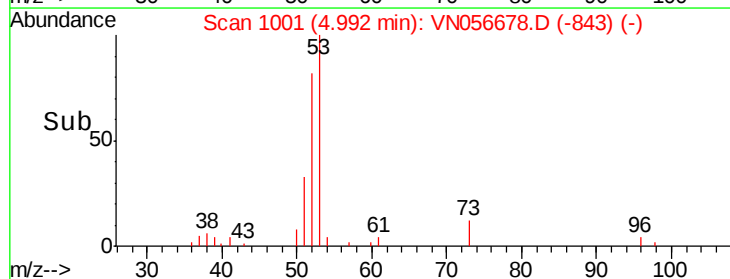
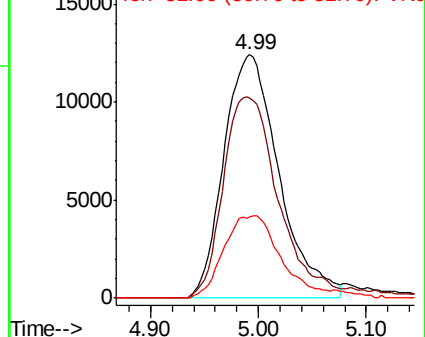
51 14.8 17.7 53.1#

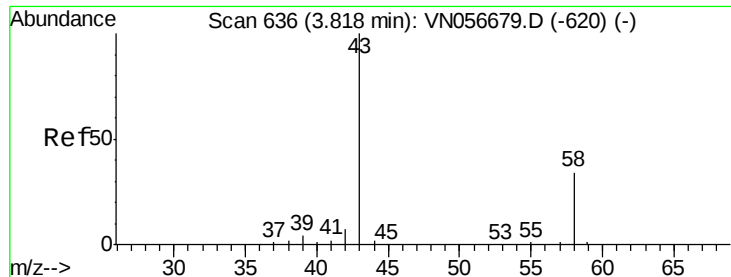


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 26.047 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

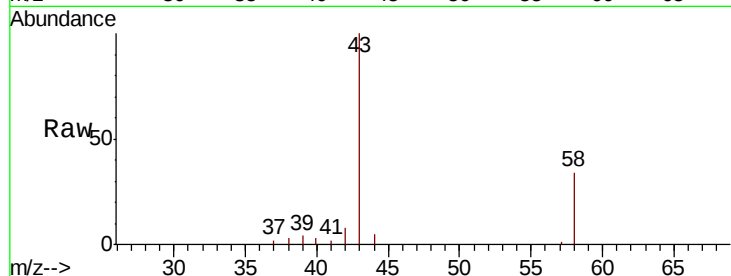
VSTDIC005

Tot Ion: 58 Resp: 14512

Ion Ratio Lower Upper

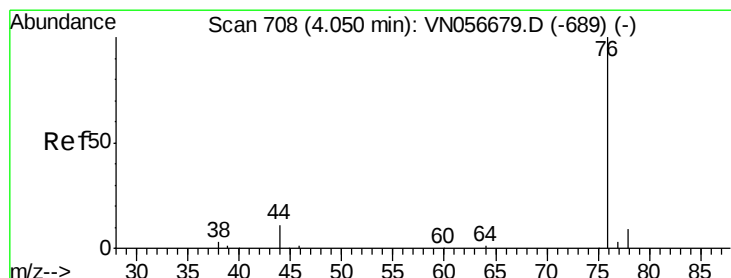
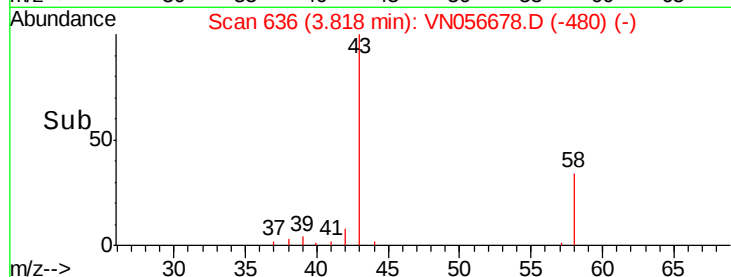
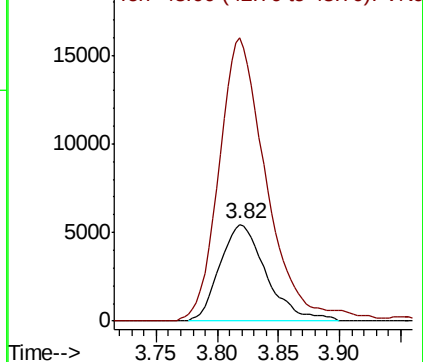
58 100

43 284.9 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 4.825 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056678.D

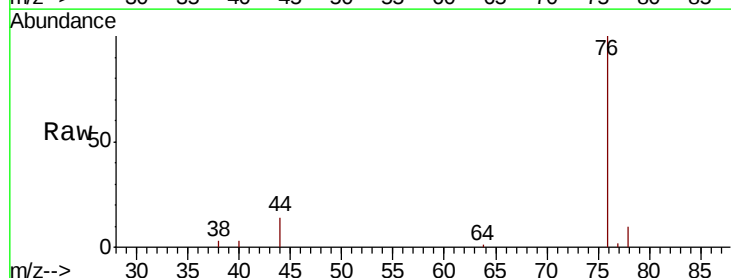
Acq: 12 Jul 2019 10:08

Tgt Ion: 76 Resp: 36709

Ion Ratio Lower Upper

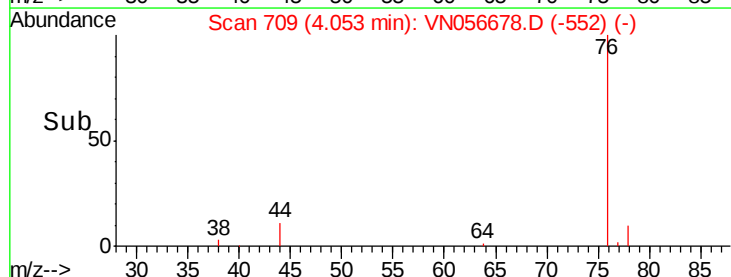
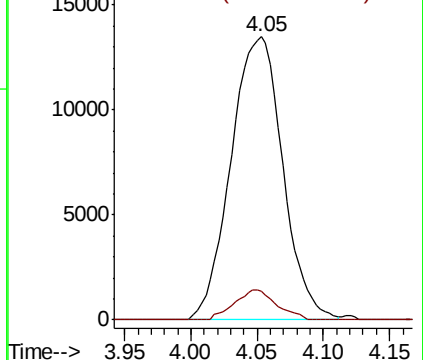
76 100

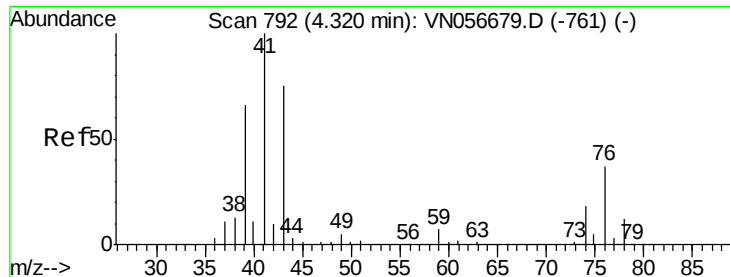
78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

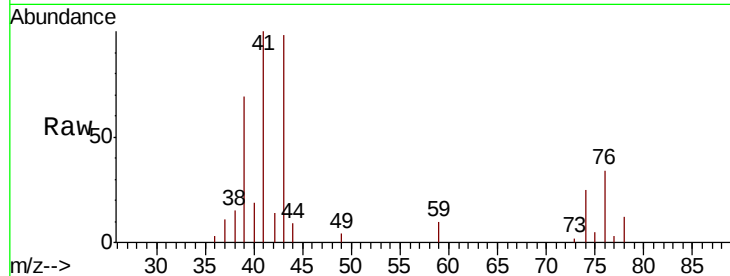




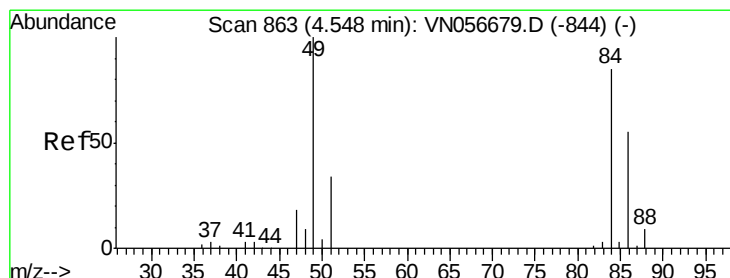
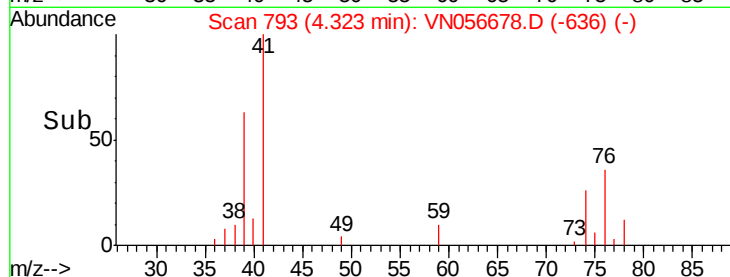
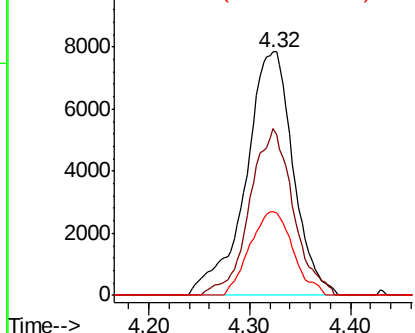
#17
Allvl chloride
Concen: 4.736 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 25644
Ion Ratio Lower Upper
41 100
39 68.7 32.8 98.4
76 34.2 18.5 55.5



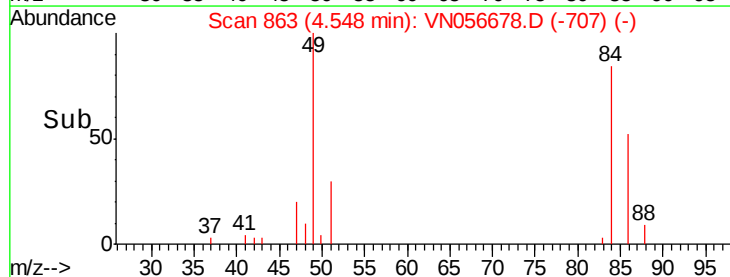
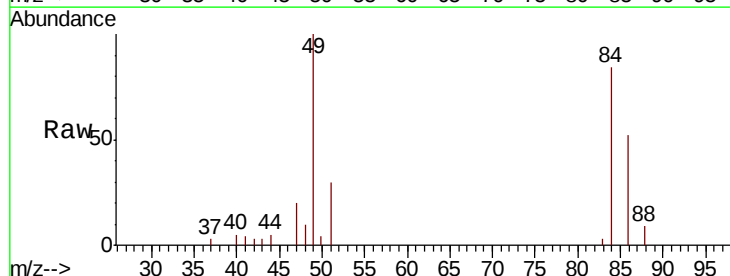
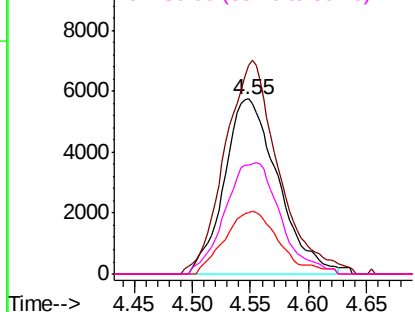
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

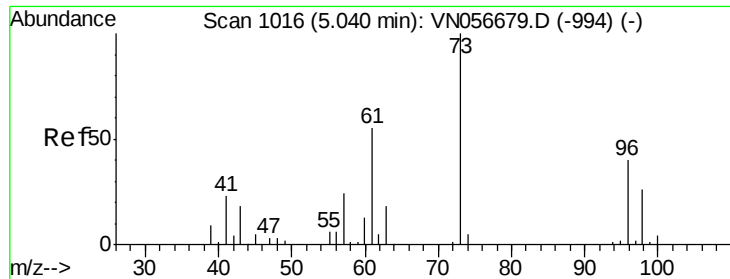


#18
Methylene Chloride
Concen: 5.036 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 84 Resp: 18409
Ion Ratio Lower Upper
84 100
49 114.9 93.9 140.9
51 35.5 31.7 47.5
86 62.4 51.4 77.2

Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 4.936 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

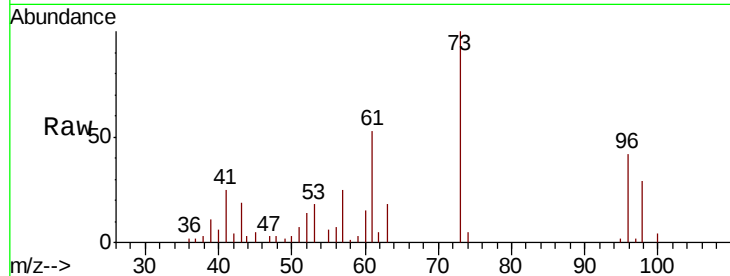
Tot Ion: 96 Resp: 16547

Ion Ratio Lower Upper

96 100

61 123.1 109.6 164.4

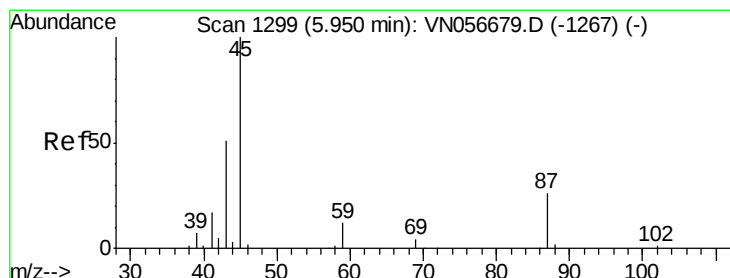
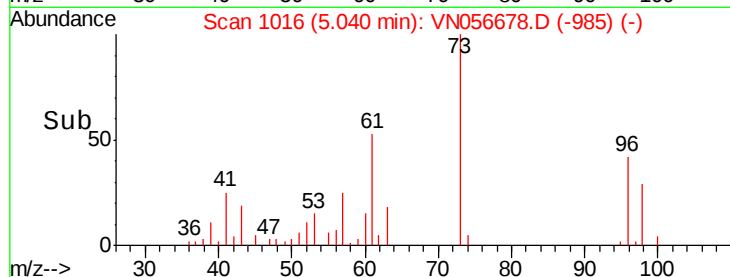
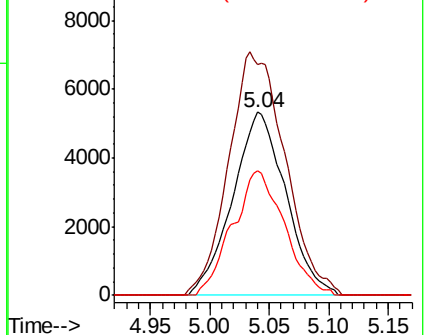
98 68.1 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN056678.D (-1237) (-)

Ion 61.00 (60.70 to 61.70): VN056678.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN056678.D (-1237) (-)



#20

Diisopropyl ether

Concen: 4.843 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Tgt Ion: 45 Resp: 53742

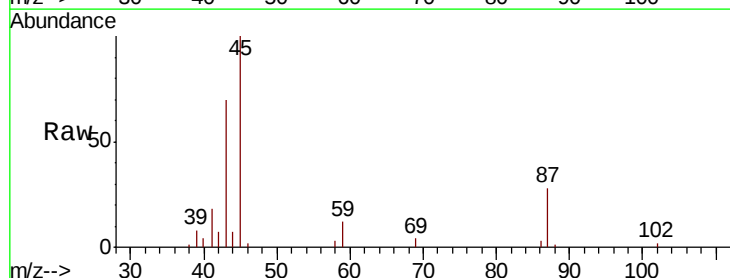
Ion Ratio Lower Upper

45 100

43 64.0 50.3 75.5

87 28.5 21.4 32.0

59 11.8 9.7 14.5

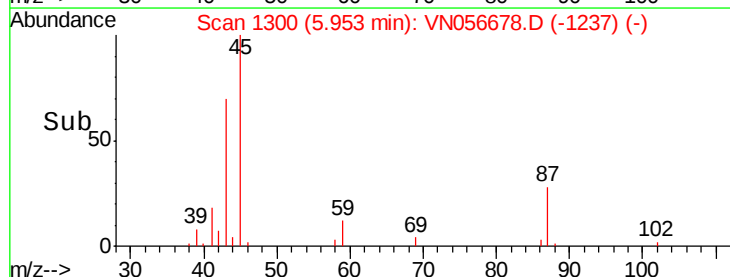
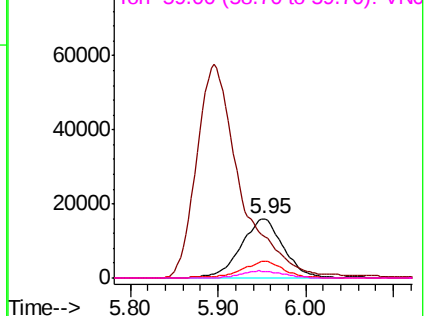


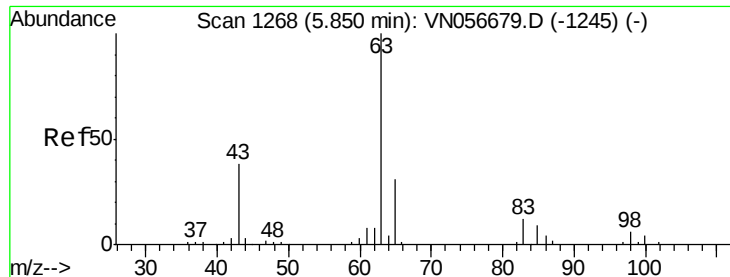
Abundance Ion 45.00 (44.70 to 45.70): VN056678.D (-1237) (-)

Ion 43.00 (42.70 to 43.70): VN056678.D (-1237) (-)

Ion 87.00 (86.70 to 87.70): VN056678.D (-1237) (-)

Ion 59.00 (58.70 to 59.70): VN056678.D (-1237) (-)

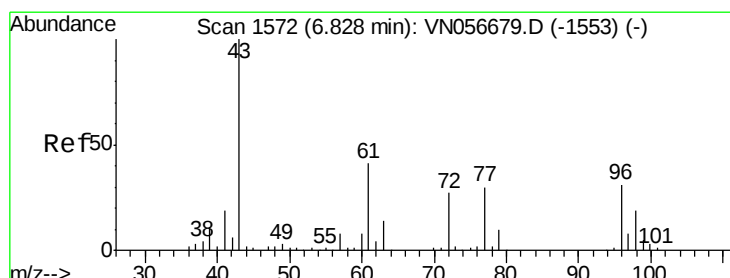
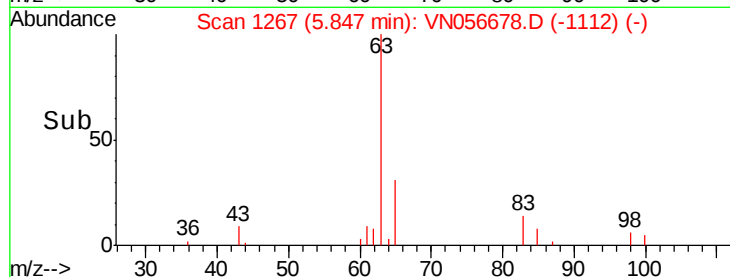
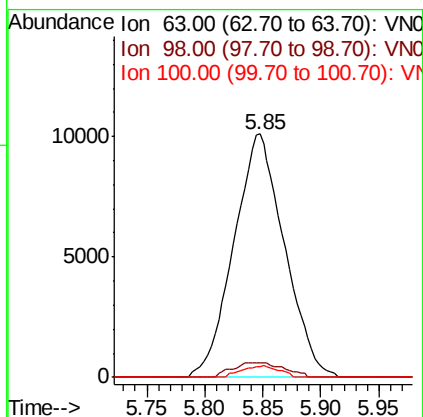
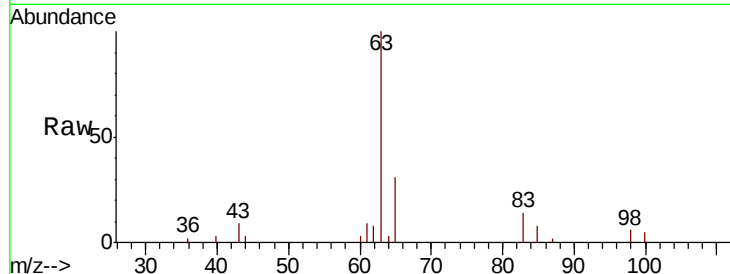




#21
 1,1-Dichloroethane
 Concen: 4.883 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

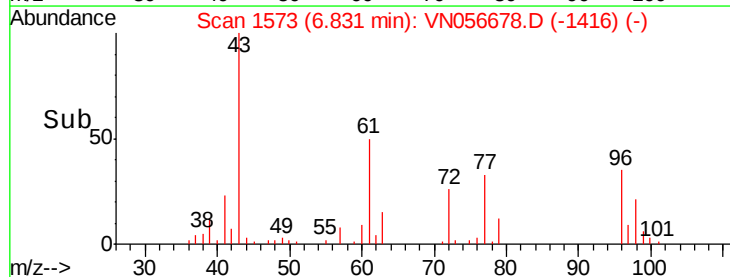
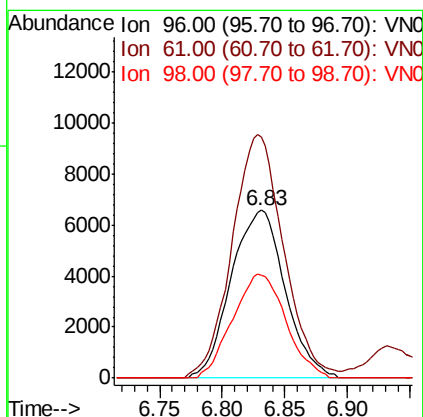
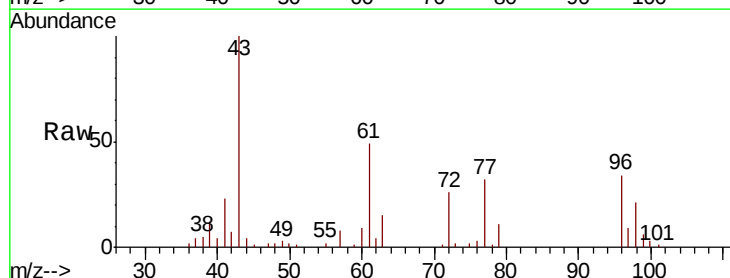
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

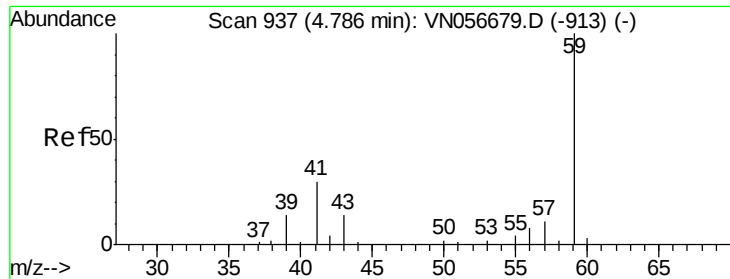
Tot Ion: 63 Resp: 30624
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.8
 100 4.6 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 5.003 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 96 Resp: 19695
 Ion Ratio Lower Upper
 96 100
 61 138.6 112.1 168.1
 98 61.0 52.2 78.2



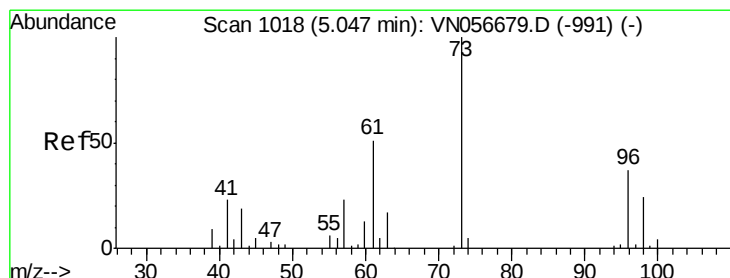
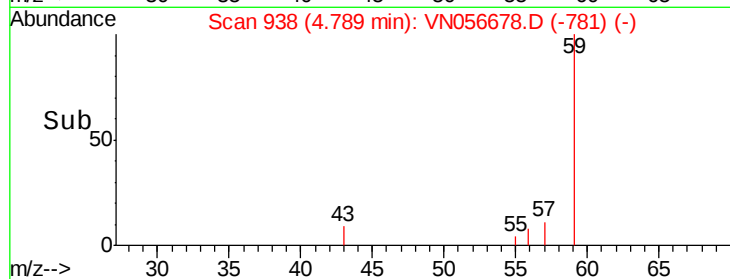
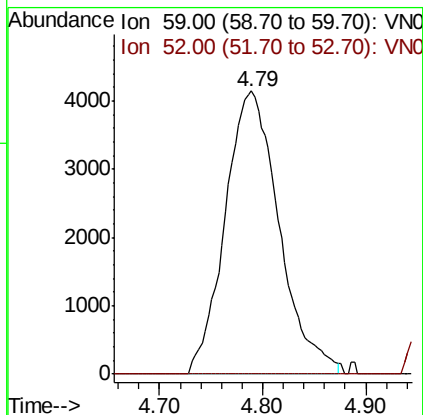
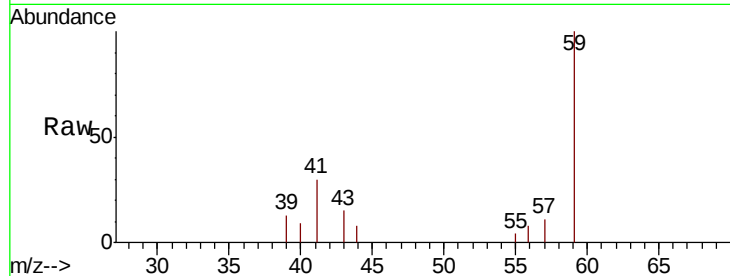


#23

tert-Butyl Alcohol
 Concen: 22.102 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

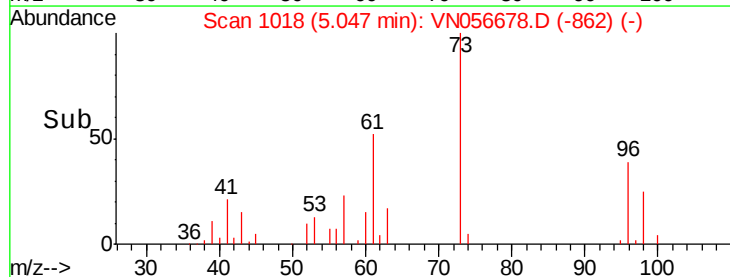
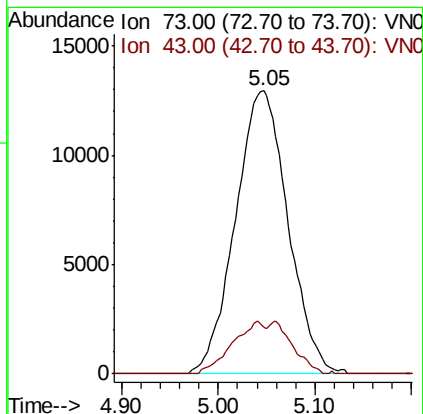
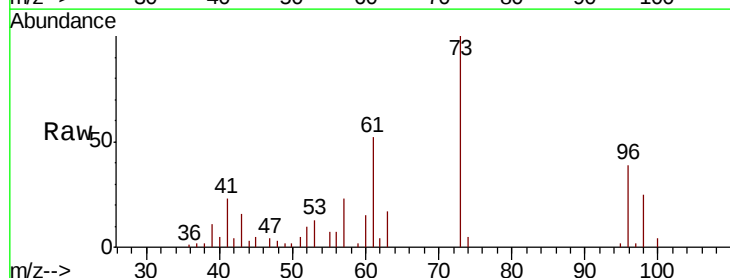
Tot Ion: 59 Resp: 15101
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

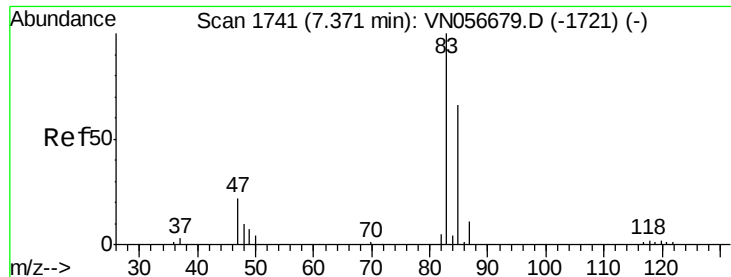


#24

Methyl tert-Butyl Ether
 Concen: 4.802 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 73 Resp: 48792
 Ion Ratio Lower Upper
 73 100
 43 11.7 15.1 22.7#

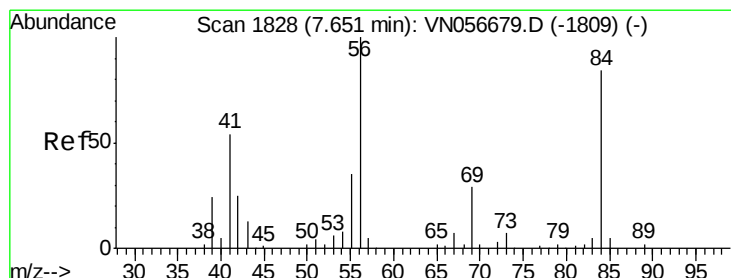
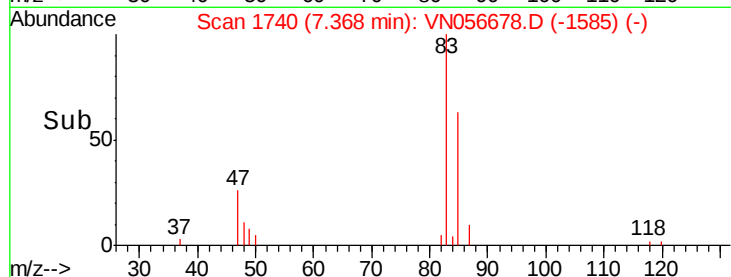
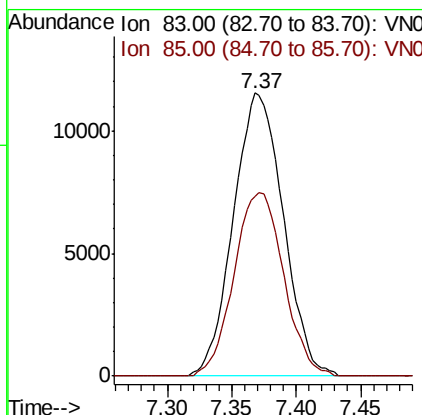
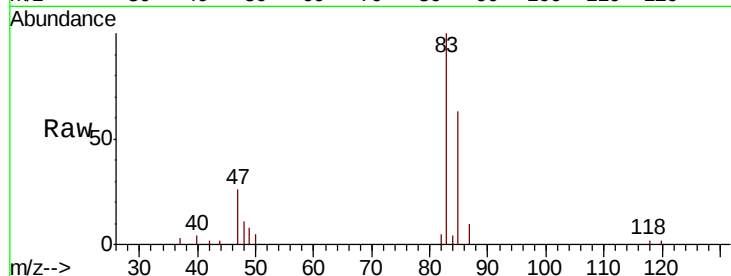




#25
Chloroform
Concen: 5.051 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

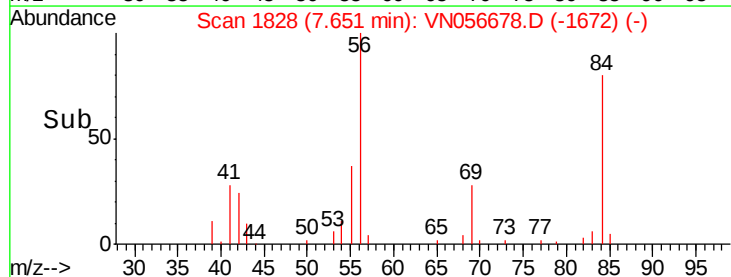
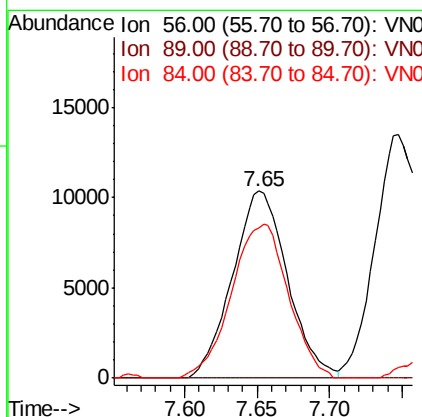
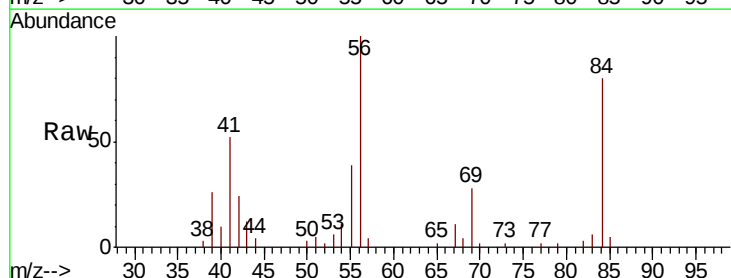
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

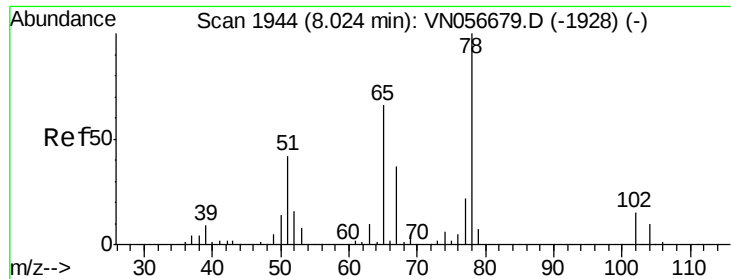
Tot Ion: 83 Resp: 31113
Ion Ratio Lower Upper
83 100
85 63.3 52.6 79.0



#26
Cyclohexane
Concen: 4.697 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 56 Resp: 27339
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 85.1 68.2 102.4

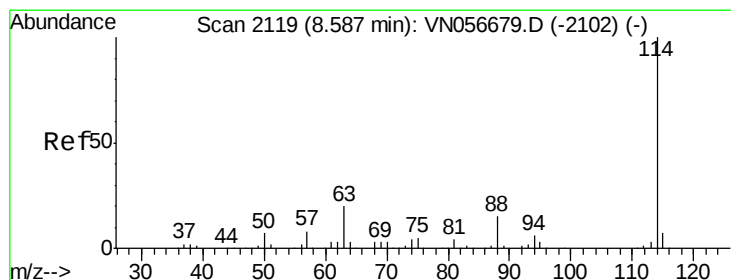
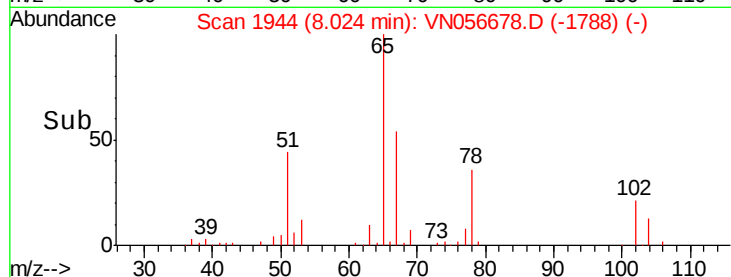
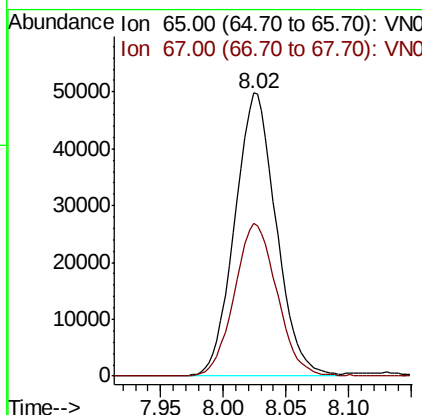
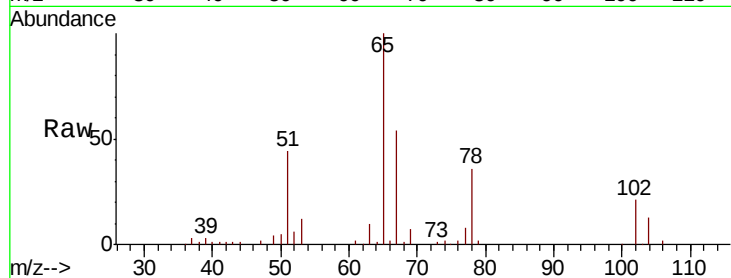




#27
 1,2-Dichloroethane-d4
 Concen: 30.178 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

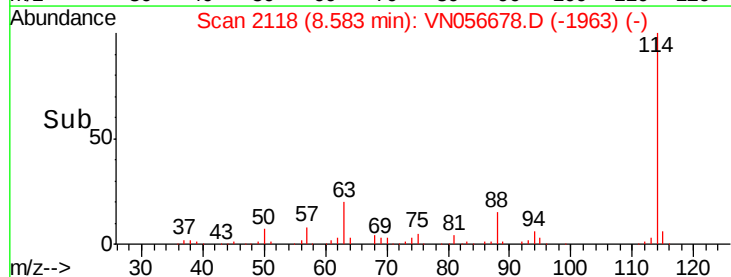
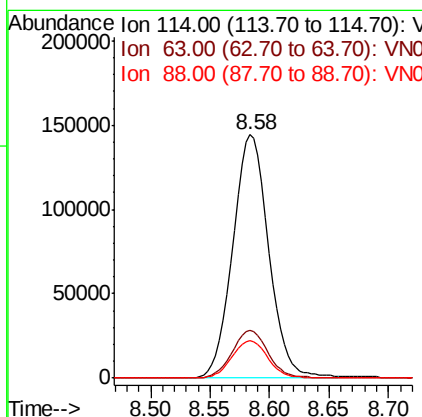
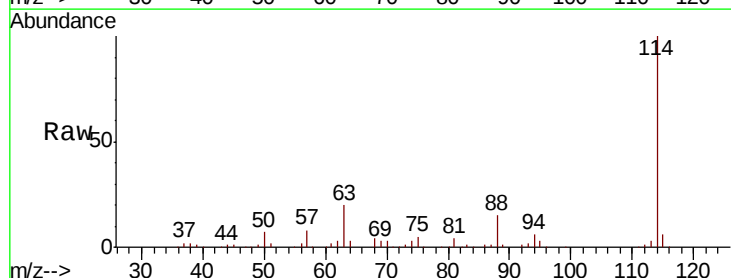
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

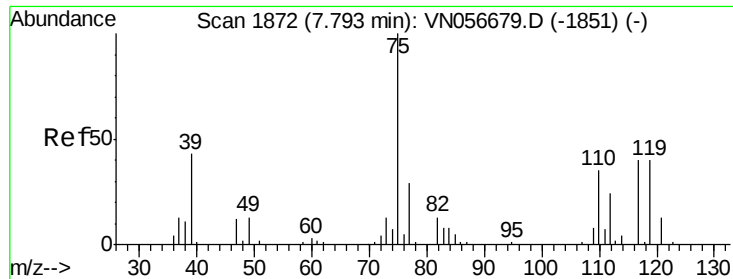
Tot Ion: 65 Resp: 114625
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 114 Resp: 303198
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.3 12.3 18.5

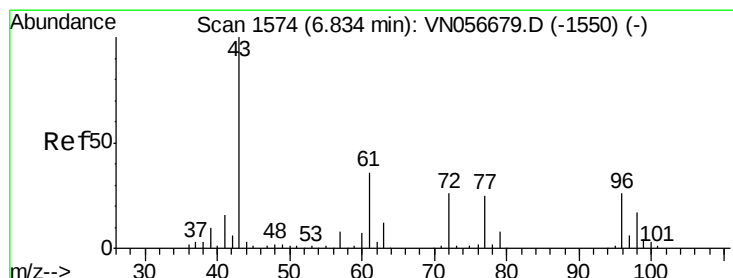
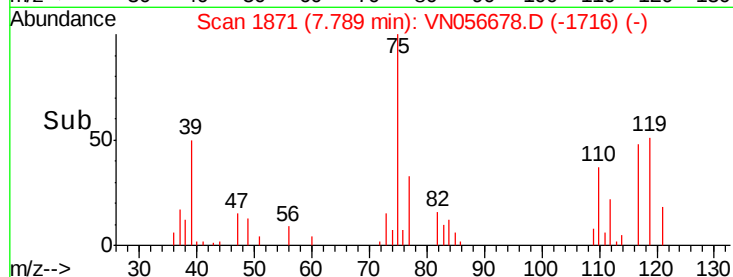
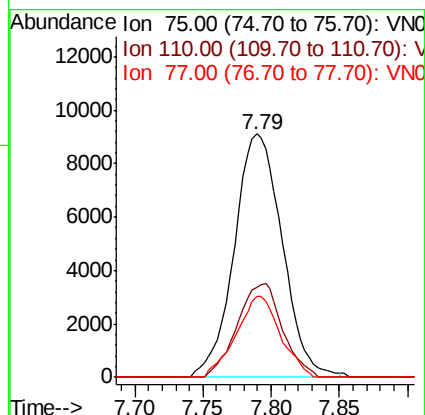
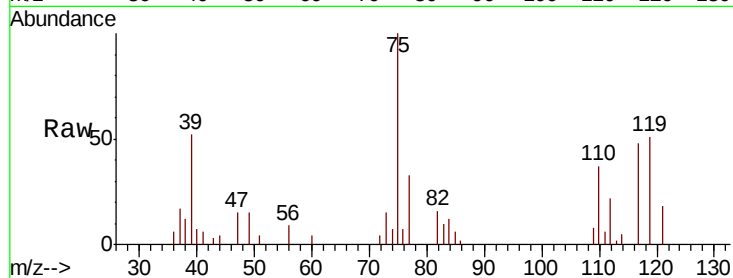




#29
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

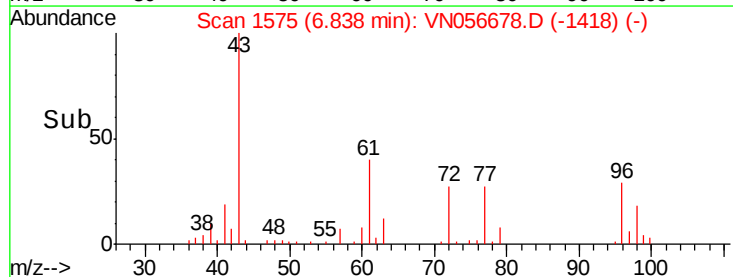
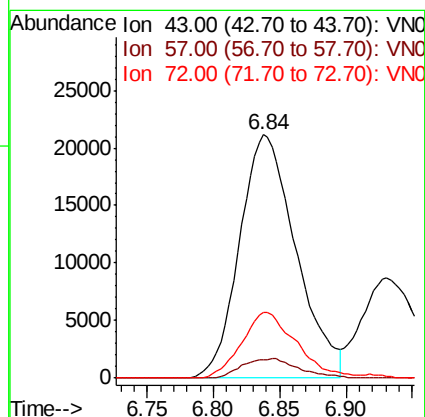
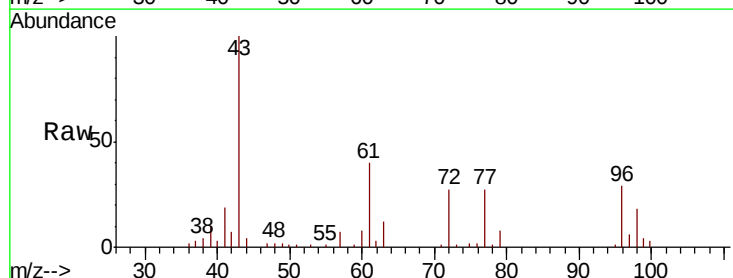
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

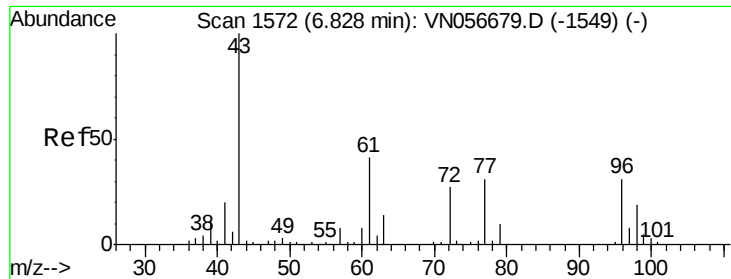
Tot Ion: 75 Resp: 22259
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 72.4
 77 30.6 0.0 62.2



#30
 2-Butanone
 Concen: 24.168 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 43 Resp: 62669
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.6 10.0
 72 26.1 21.3 31.9

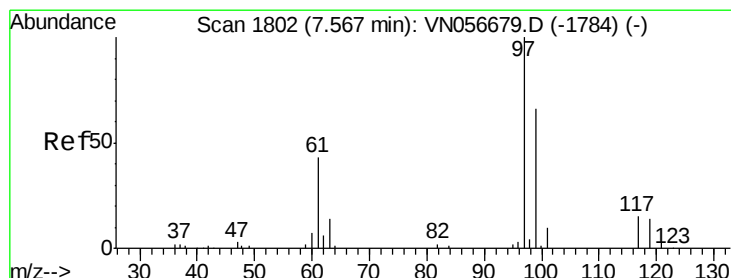
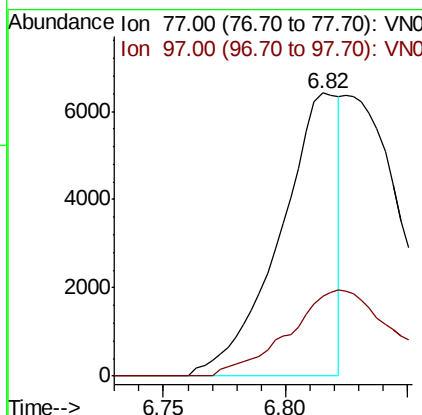
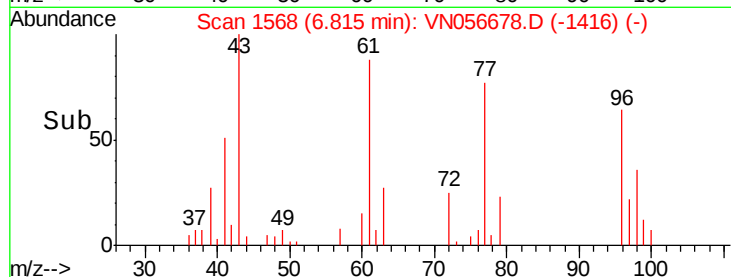
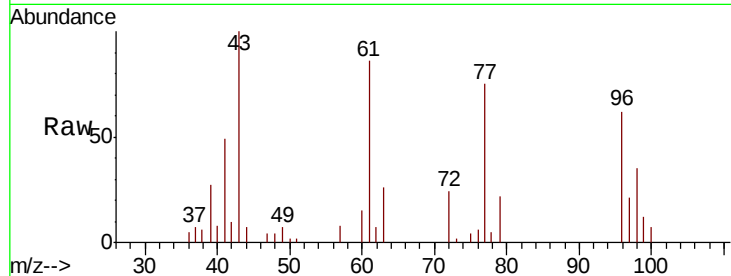




#31
 2,2-Dichloropropane
 Concen: 2.421 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

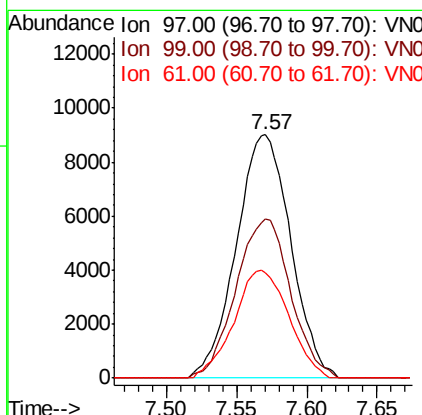
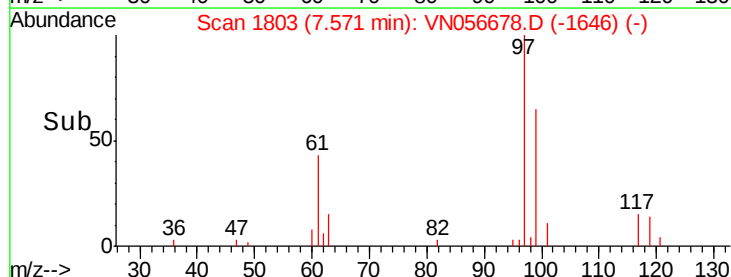
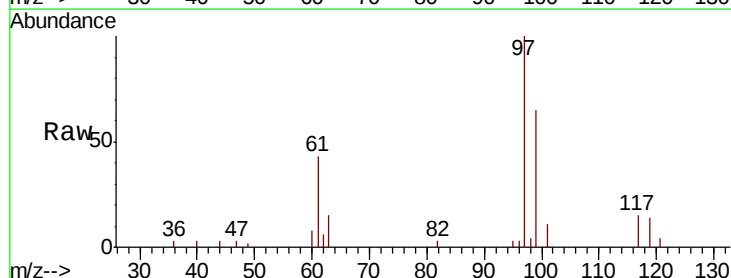
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

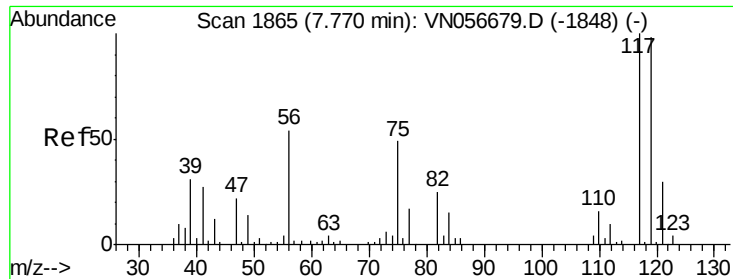
Tot Ion: 77 Resp: 10730
 Ion Ratio Lower Upper
 77 100
 97 52.7 19.7 29.5#



#32
 1,1,1-Trichloroethane
 Concen: 4.973 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 97 Resp: 24341
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.0 78.0
 61 44.6 34.4 51.6

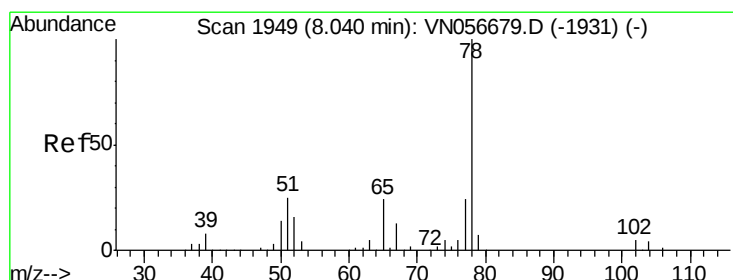
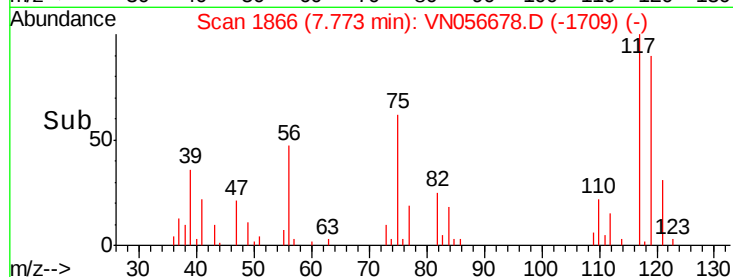
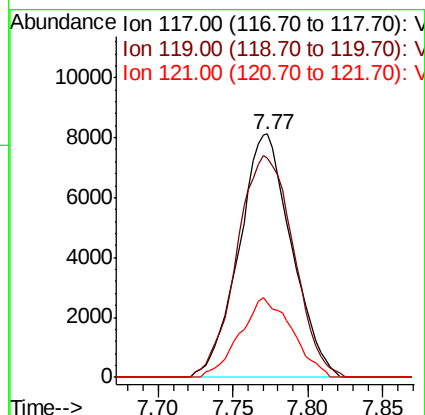
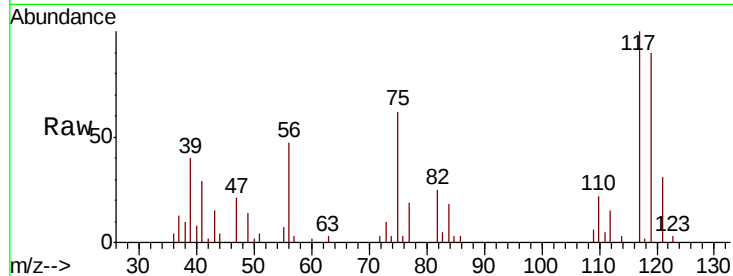




#33
Carbon Tetrachloride
Concen: 4.751 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

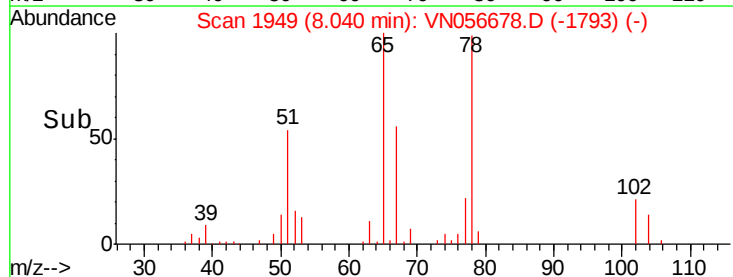
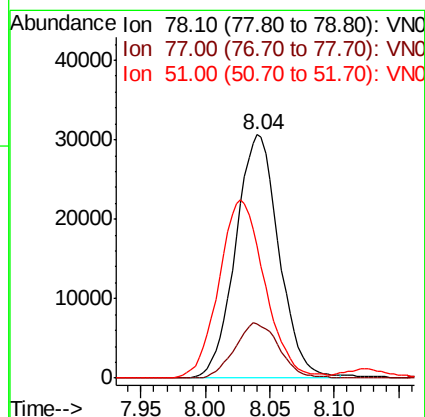
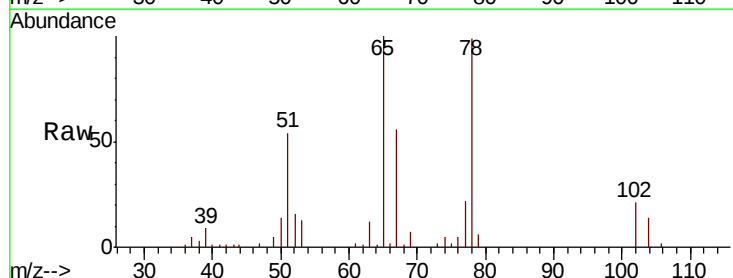
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

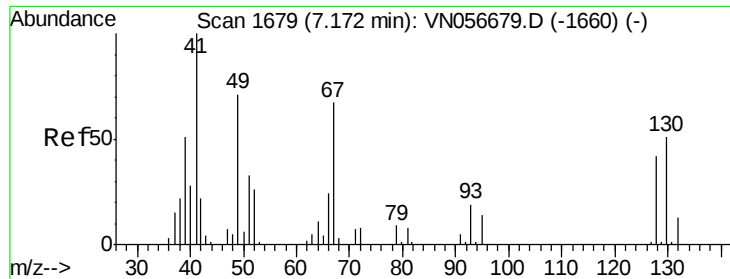
Tot Ion:117 Resp: 19852
Ion Ratio Lower Upper
117 100
119 90.0 78.7 118.1
121 30.7 24.0 36.0



#34
Benzene
Concen: 4.989 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 78 Resp: 71560
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.4
51 52.1 19.7 29.5#

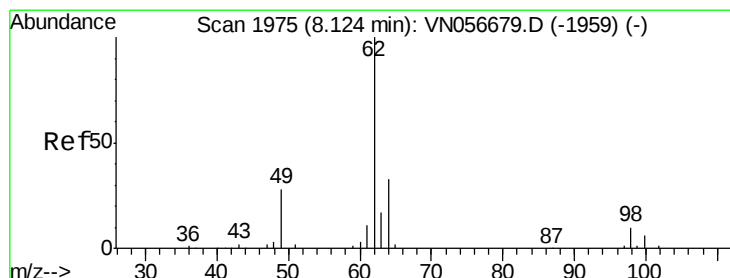
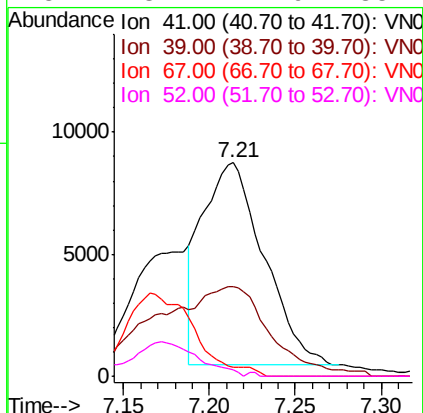
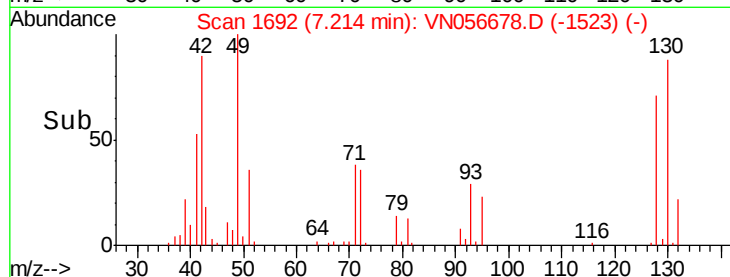
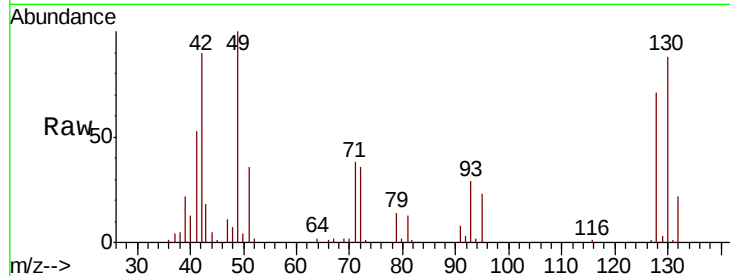




#35
Methacrylonitrile
Concen: 9.725 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

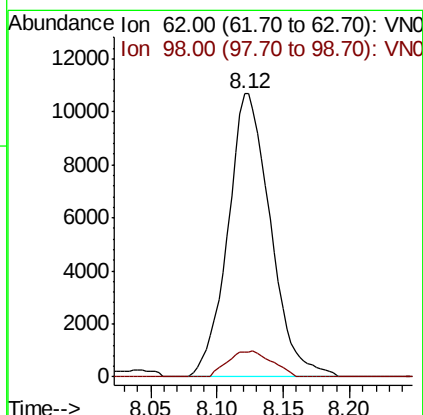
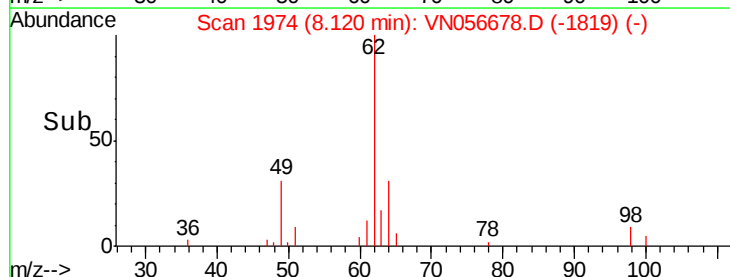
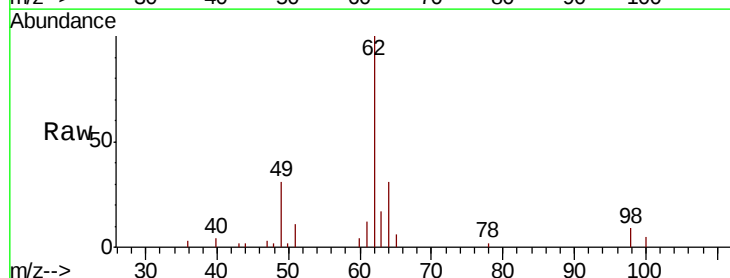
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

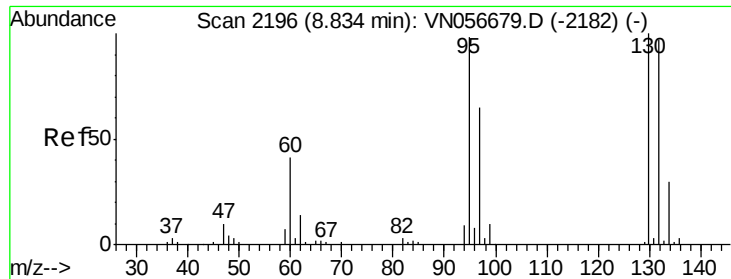
Tot Ion: 41 Resp: 20769
Ion Ratio Lower Upper
41 100
39 41.3 25.4 76.2
67 4.7 33.6 100.8#
52 3.1 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 5.132 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 62 Resp: 23874
Ion Ratio Lower Upper
62 100
98 9.4 7.7 11.5

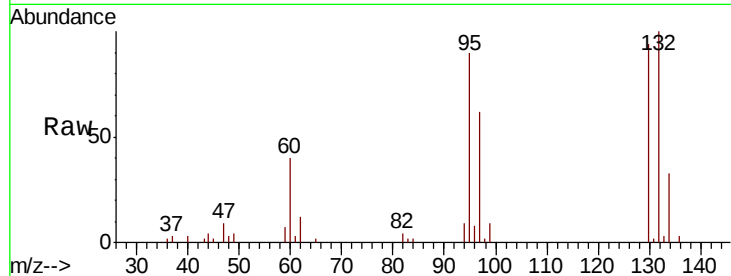




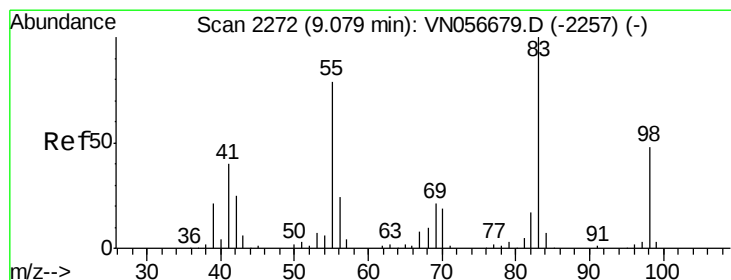
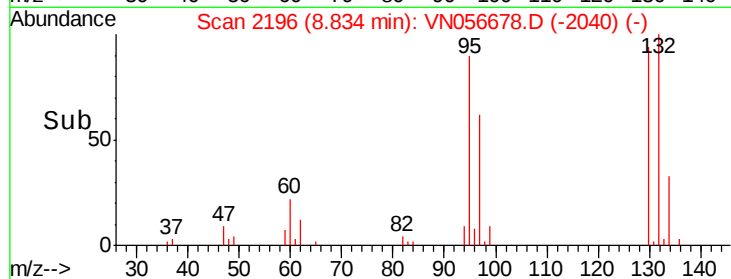
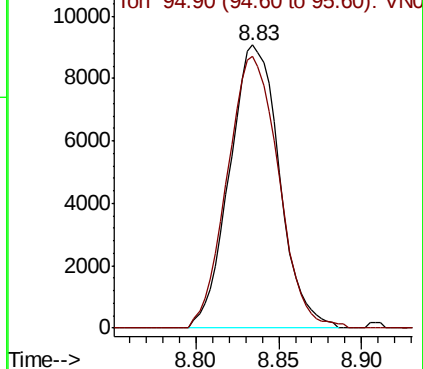
#37
 Trichloroethene
 Concen: 5.016 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 18956
 Ion Ratio Lower Upper
 130 100
 95 95.9 78.4 117.6

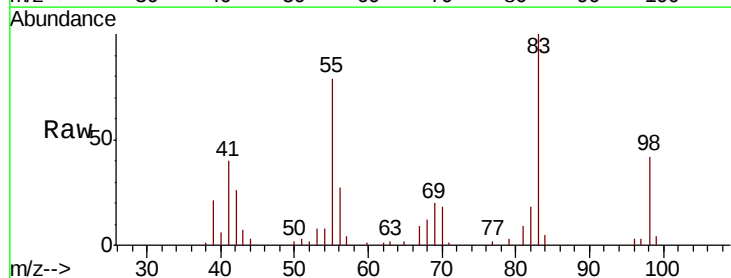


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

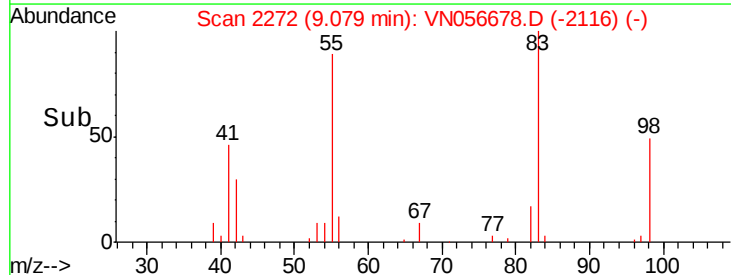
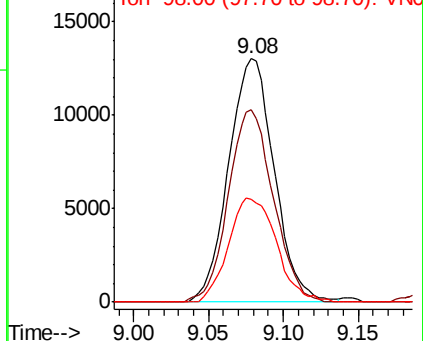


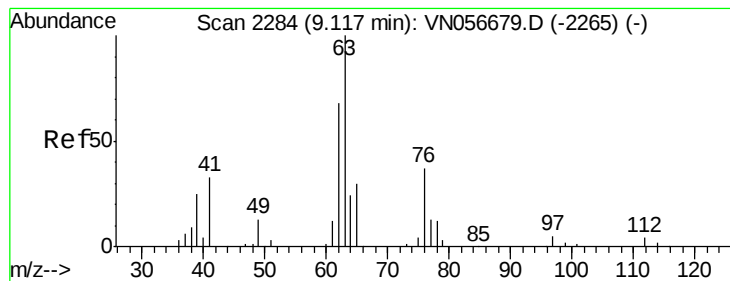
#38
 Methylcyclohexane
 Concen: 4.782 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 83 Resp: 27671
 Ion Ratio Lower Upper
 83 100
 55 77.8 38.4 115.2
 98 44.9 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: 5.054 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

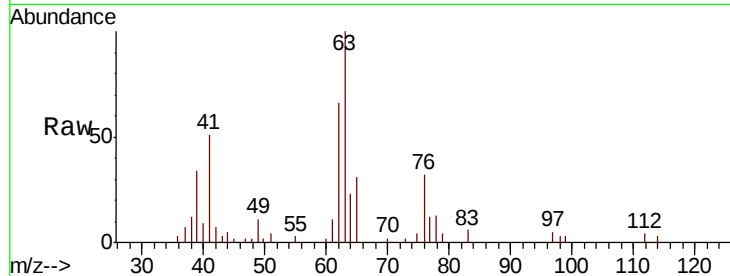
VSTDIC005

Tot Ion: 63 Resp: 19459

Ion Ratio Lower Upper

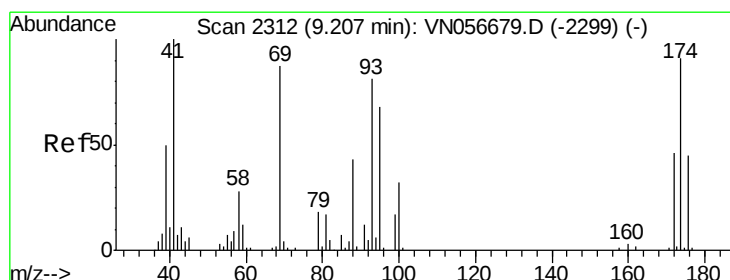
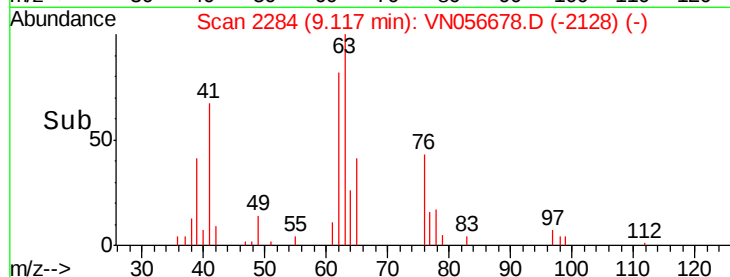
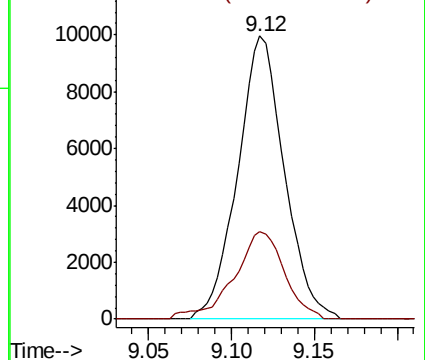
63 100

65 30.9 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: 4.996 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

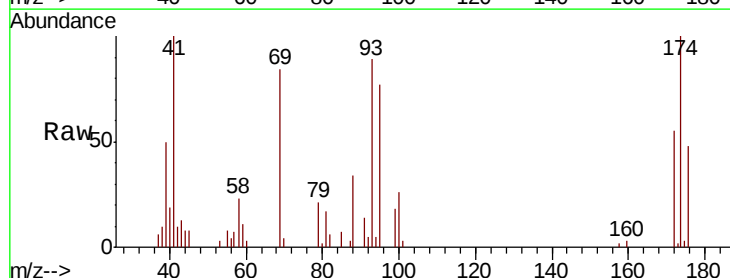
Tgt Ion: 93 Resp: 11952

Ion Ratio Lower Upper

93 100

95 84.0 0.0 167.0

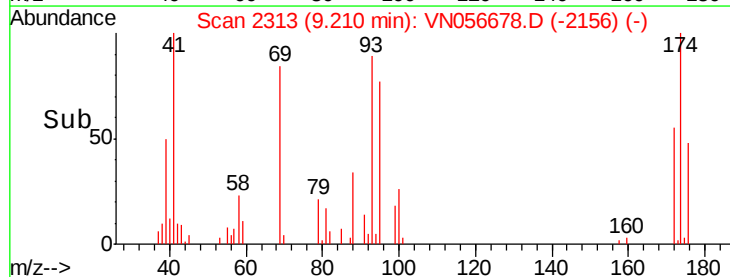
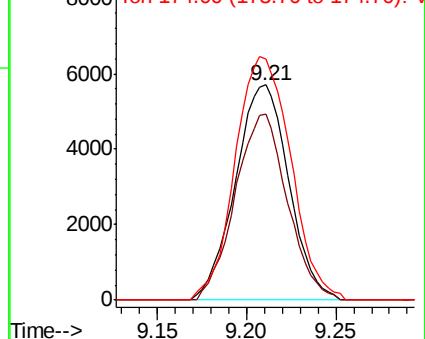
174 117.3 0.0 224.2

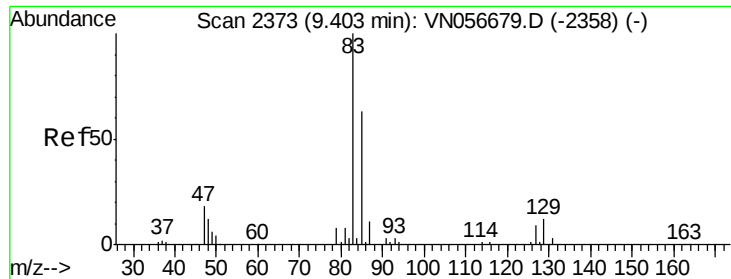


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.845 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

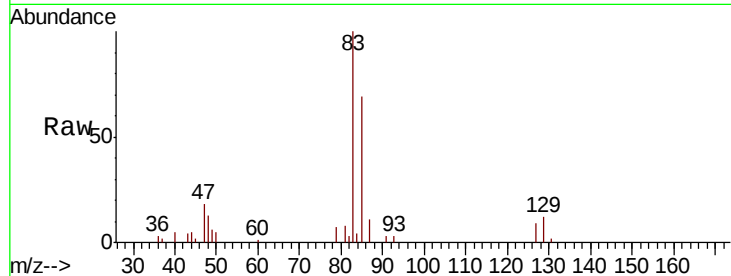
Tot Ion: 83 Resp: 21556

Ion Ratio Lower Upper

83 100

85 68.8 50.1 75.1

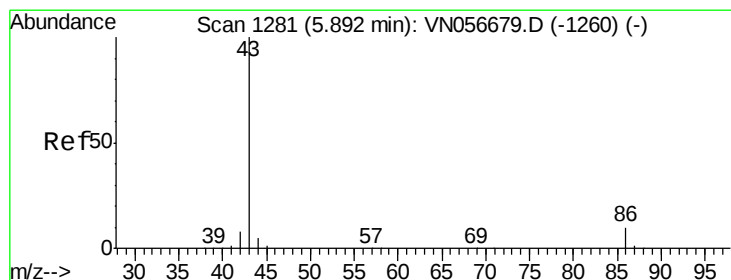
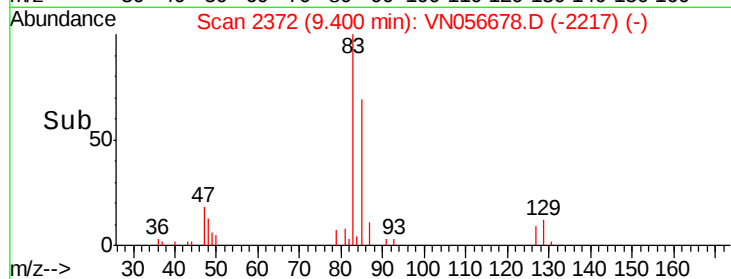
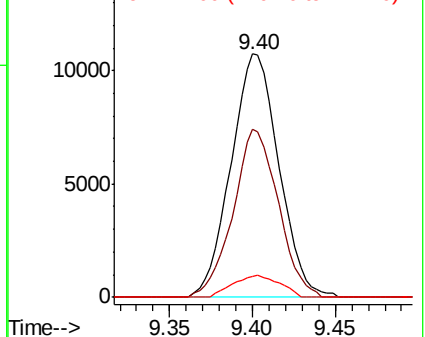
127 8.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056678.D (-1125) (-)

Ion 85.00 (84.70 to 85.70): VN056678.D (-1125) (-)

Ion 127.00 (126.70 to 127.70): VN056678.D (-1125) (-)



#42

Vinyl Acetate

Concen: 22.042 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056678.D

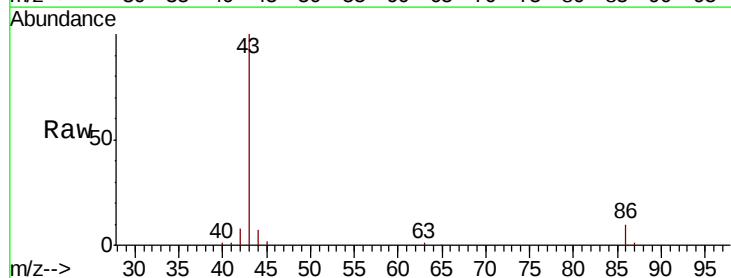
Acq: 12 Jul 2019 10:08

Tgt Ion: 43 Resp: 199311

Ion Ratio Lower Upper

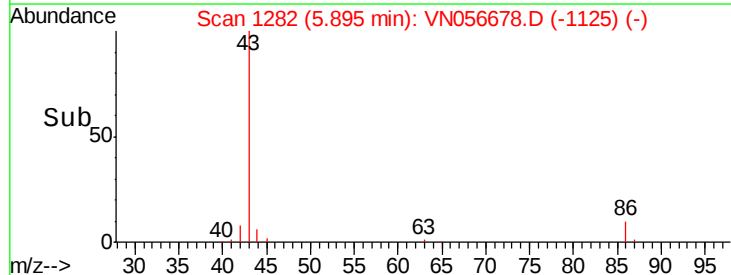
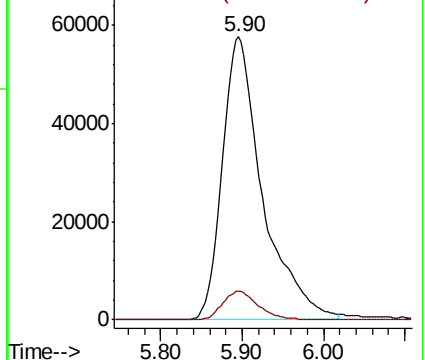
43 100

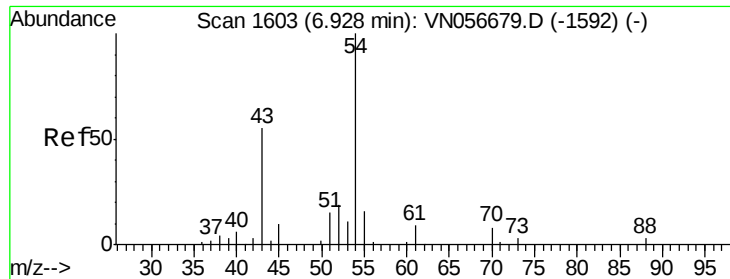
86 9.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056678.D (-1125) (-)

Ion 86.00 (85.70 to 86.70): VN056678.D (-1125) (-)





#43

Ethyl Acetate

Concen: 4.479 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

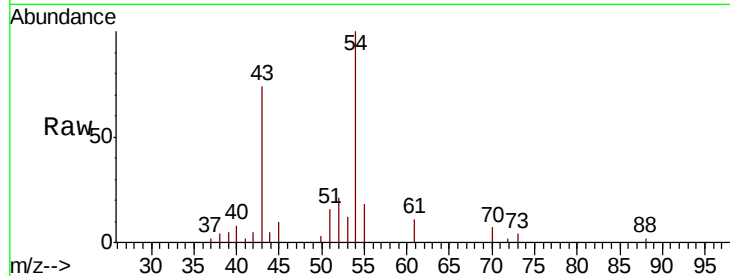
VSTDIC005

Tot Ion: 43 Resp: 21952

Ion Ratio Lower Upper

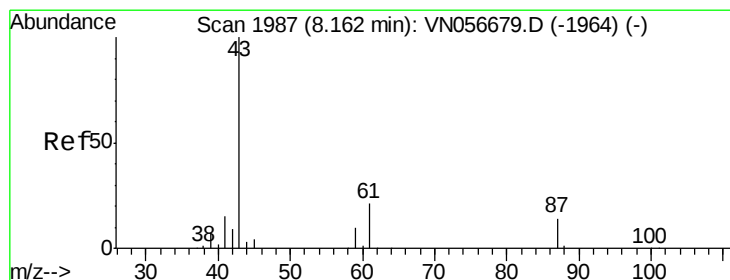
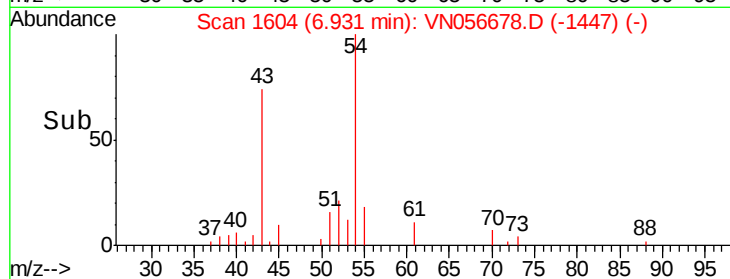
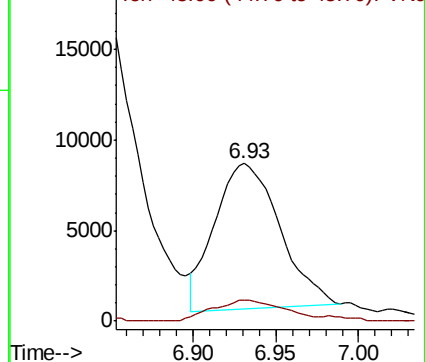
43 100

45 15.8 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 4.586 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN056678.D

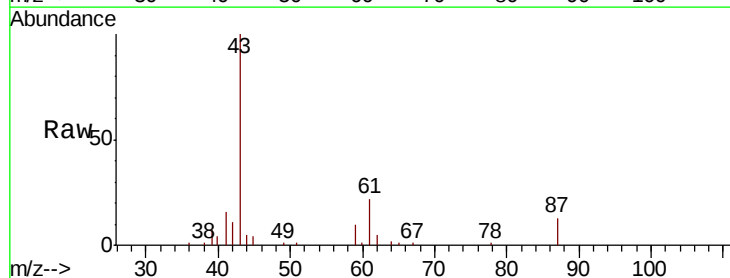
Acq: 12 Jul 2019 10:08

Tgt Ion: 43 Resp: 34958

Ion Ratio Lower Upper

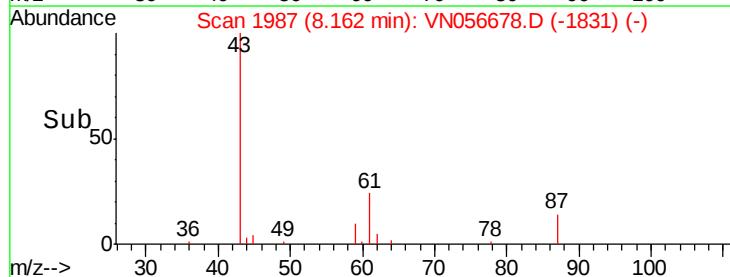
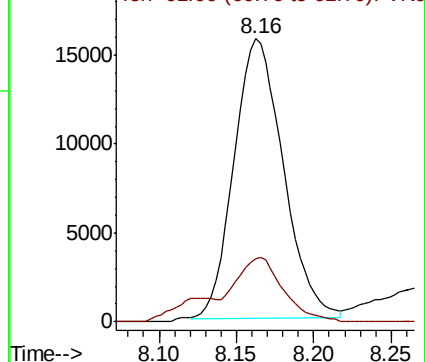
43 100

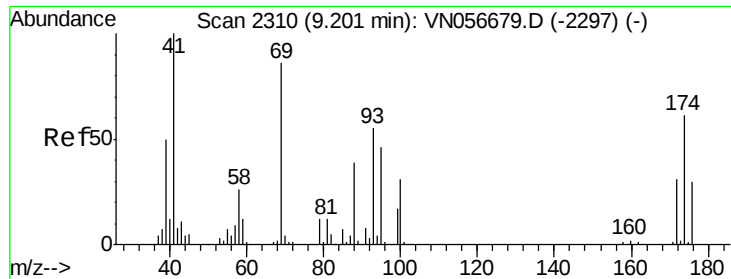
61 22.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

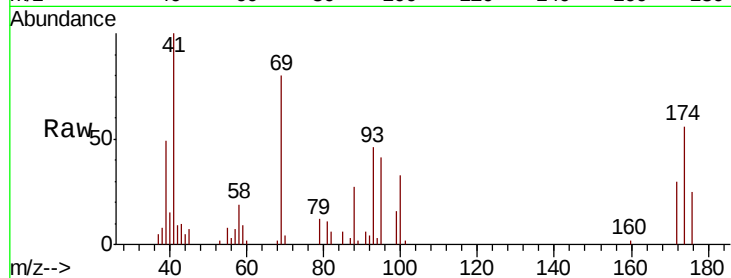




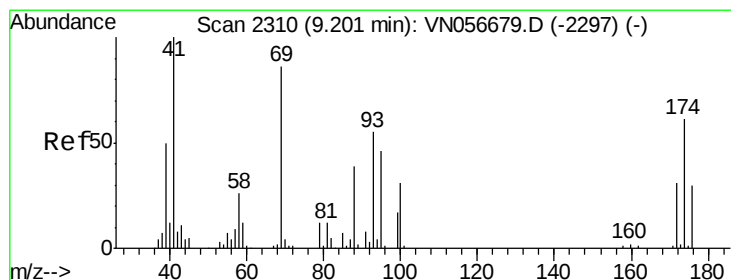
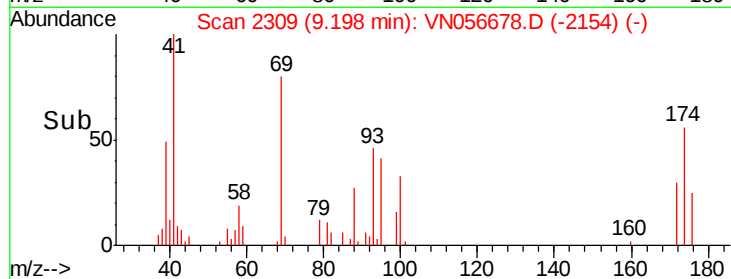
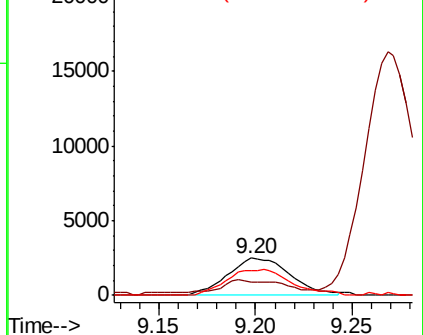
#45
 1,4-Dioxane
 Concen: 73.687 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 5579
 Ion Ratio Lower Upper
 88 100
 43 15.5 23.0 34.6#
 58 72.1 54.6 81.8

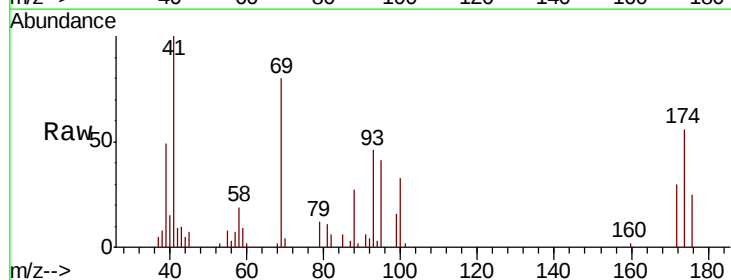


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

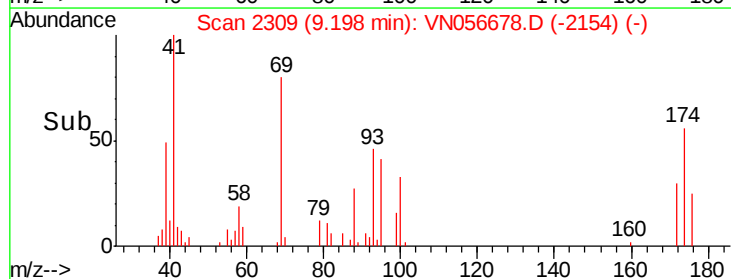
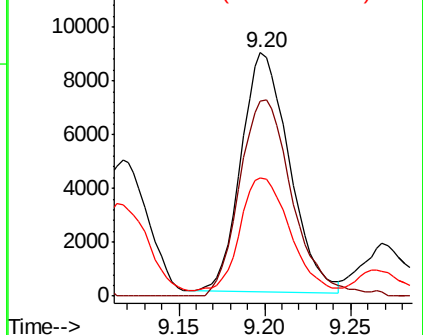


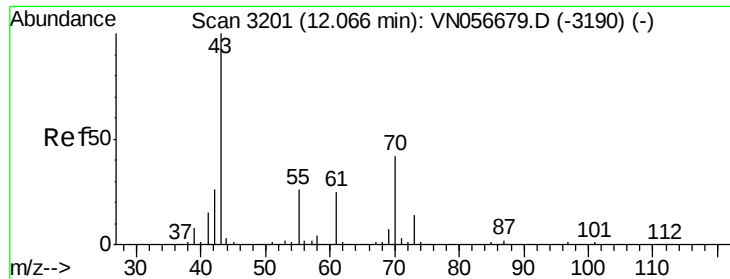
#46
 Methyl methacrylate
 Concen: 4.627 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 41 Resp: 17357
 Ion Ratio Lower Upper
 41 100
 69 81.9 43.0 129.0
 39 47.5 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: 3.809 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

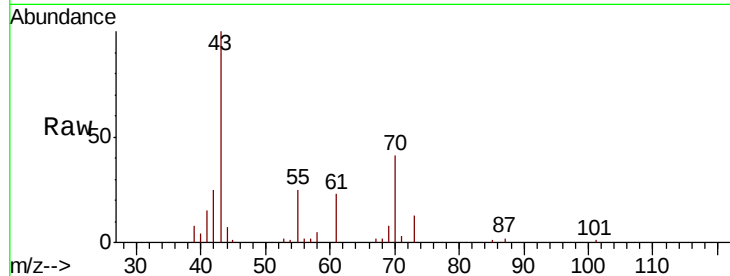
VSTDIC005

Tot Ion: 43 Resp: 24055

Ion Ratio Lower Upper

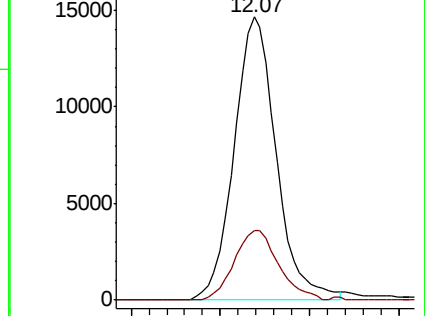
43 100

55 25.8 20.7 31.1

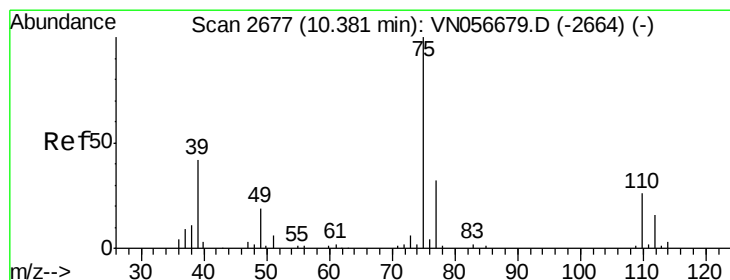
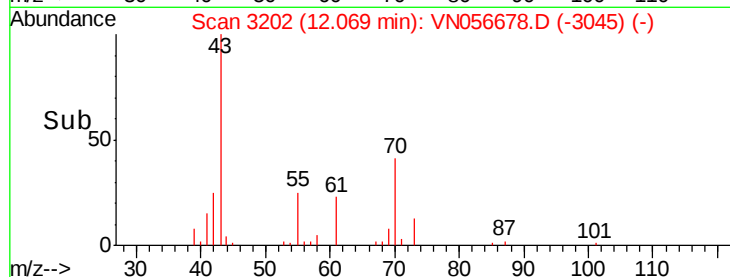


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 12.00 12.05 12.10



#48

t-1,3-Dichloropropene

Concen: 4.360 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056678.D

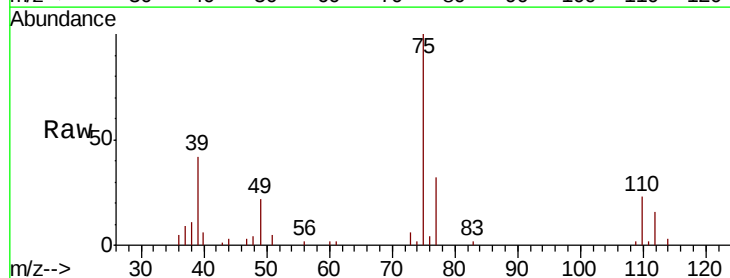
Acq: 12 Jul 2019 10:08

Tgt Ion: 75 Resp: 20833

Ion Ratio Lower Upper

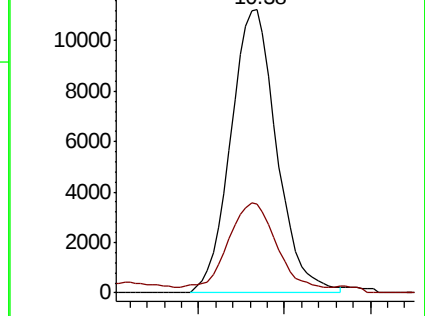
75 100

77 29.1 25.7 38.5

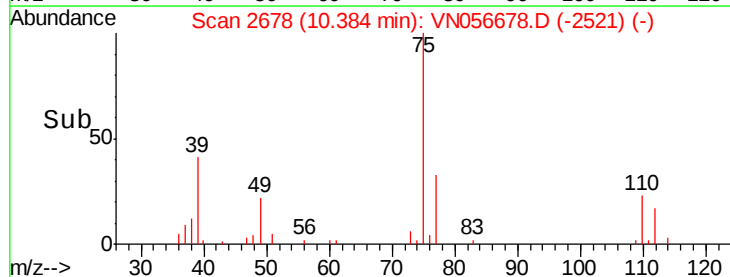


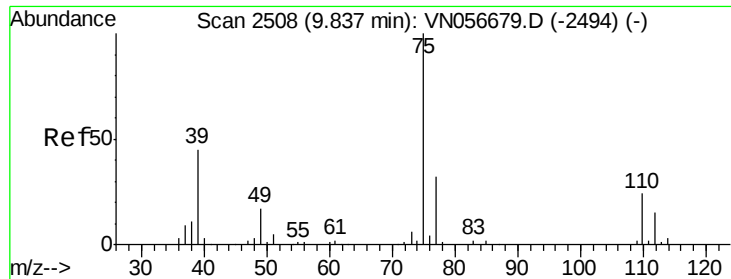
Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 10.35 10.40 10.45

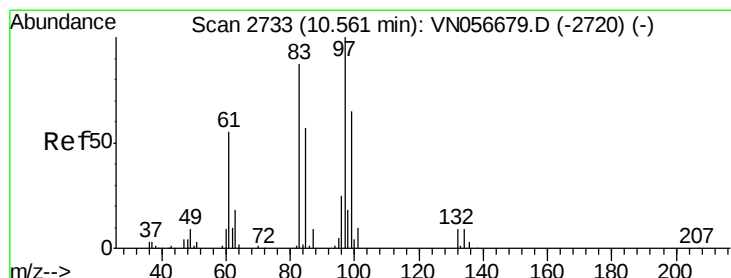
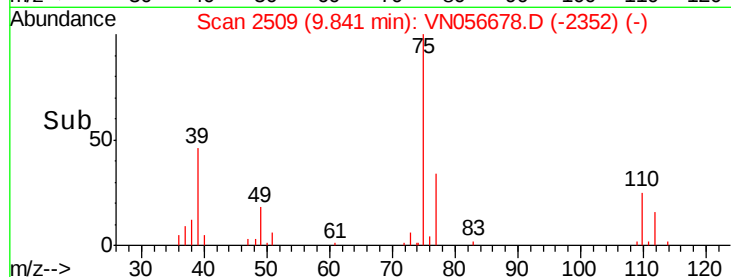
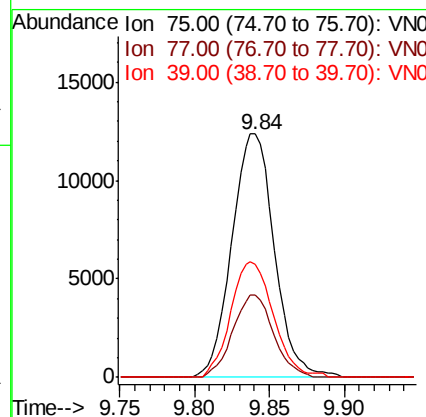
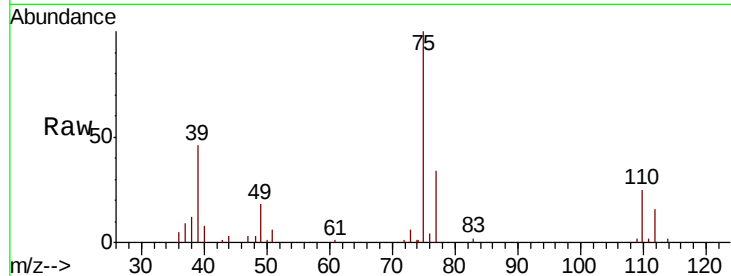




#49
 cis-1,3-Dichloropropene
 Concen: 4.455 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

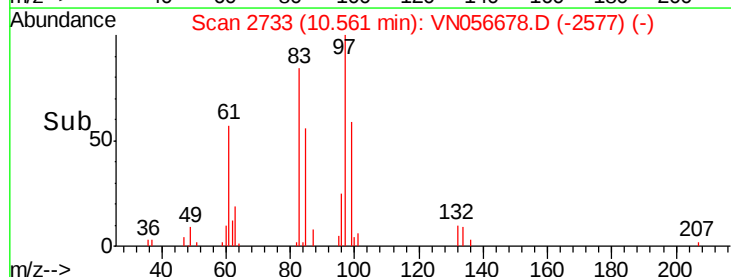
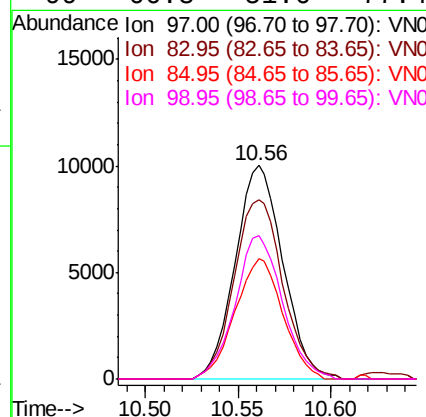
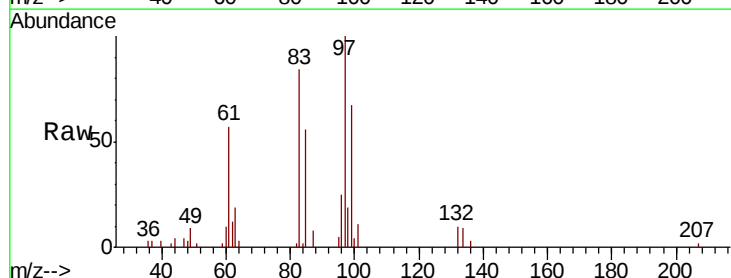
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

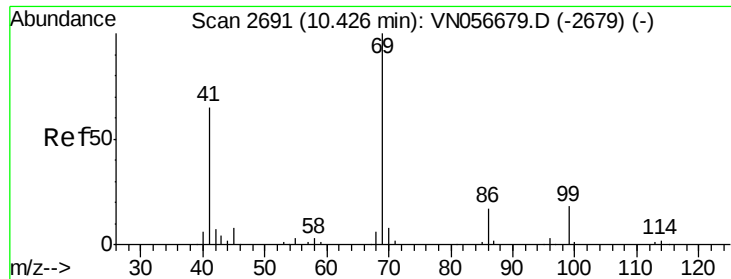
Tot Ion: 75 Resp: 24471
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.0 39.0
 39 46.4 36.2 54.4



#50
 1,1,2-Trichloroethane
 Concen: 5.086 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion: 97 Resp: 17857
 Ion Ratio Lower Upper
 97 100
 83 84.1 69.2 103.8
 85 56.3 45.3 67.9
 99 66.8 51.6 77.4

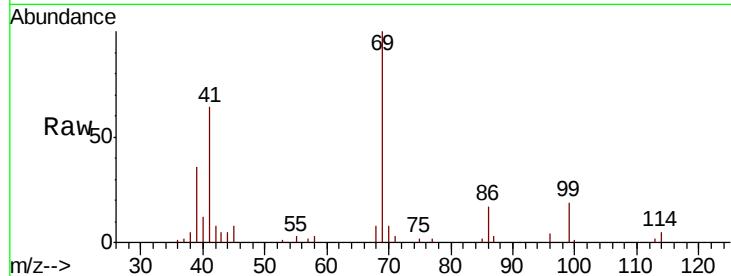




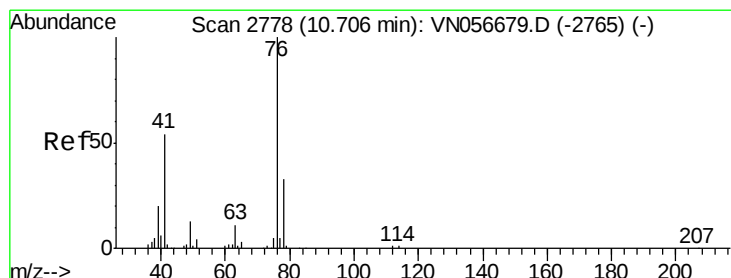
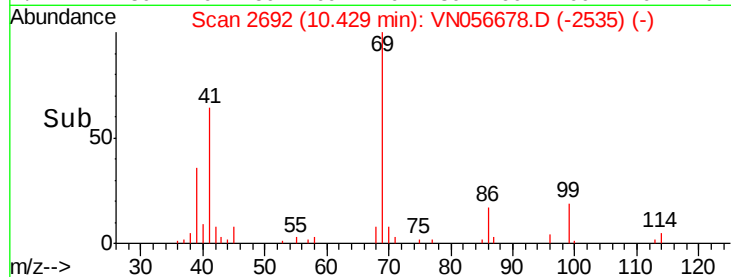
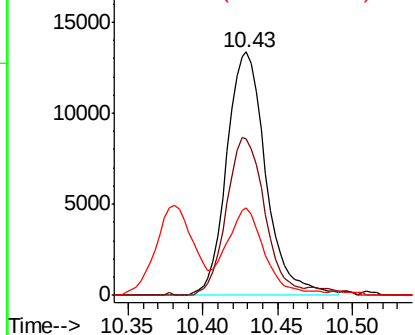
#51
Ethyl methacrylate
Concen: 4.443 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 69 Resp: 24405
Ion Ratio Lower Upper
69 100
41 64.2 32.8 98.3
39 34.4 15.4 46.2

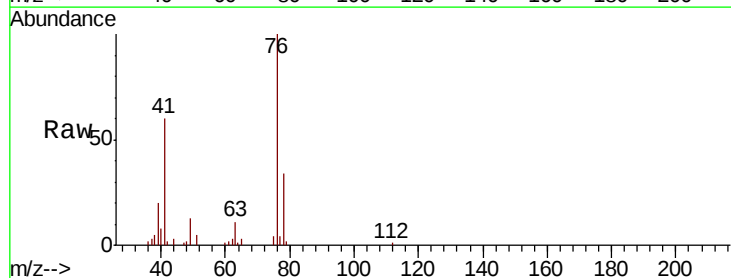


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

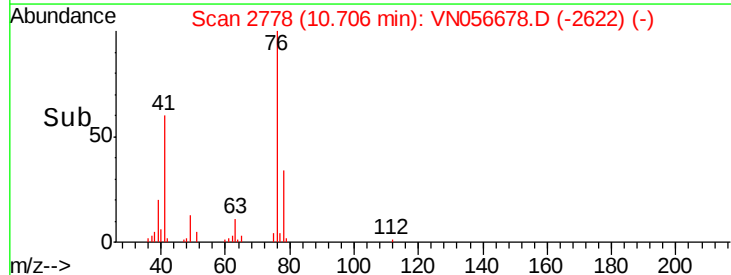
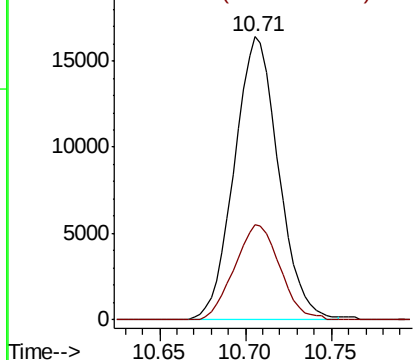


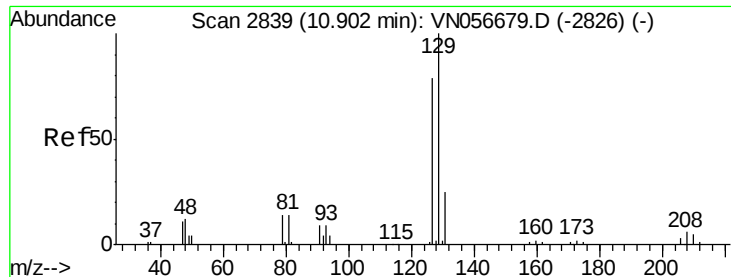
#52
1,3-Dichloropropane
Concen: 4.891 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 76 Resp: 29304
Ion Ratio Lower Upper
76 100
78 34.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 4.605 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

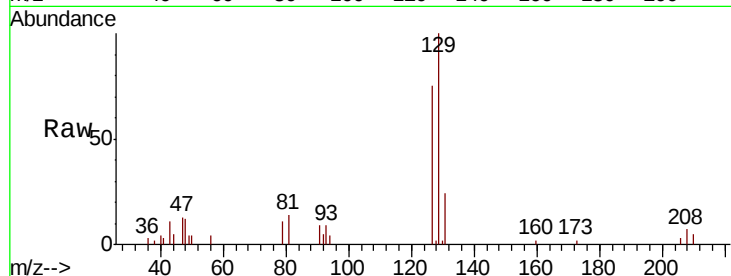
VSTDIC005

Tot Ion:129 Resp: 15962

Ion Ratio Lower Upper

129 100

127 78.2 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

8000

6000

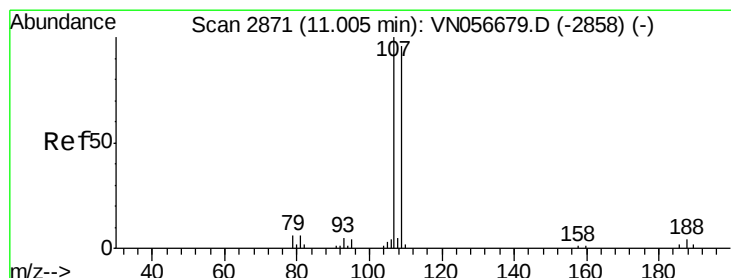
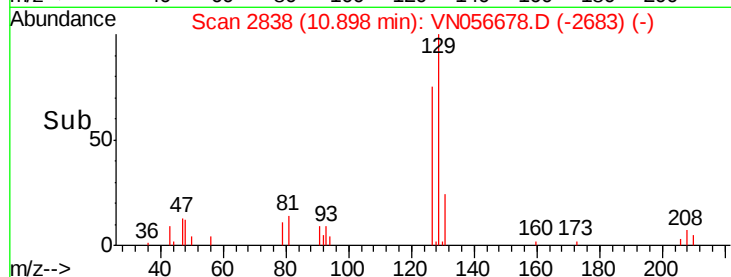
4000

2000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 4.876 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056678.D

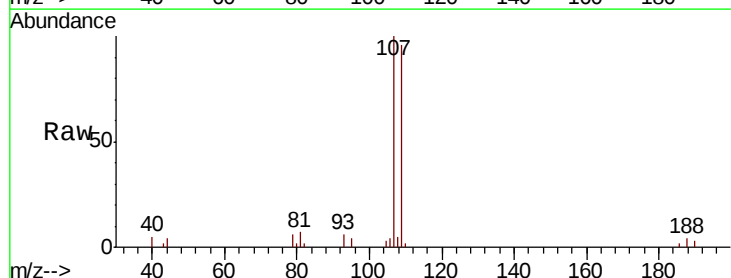
Acq: 12 Jul 2019 10:08

Tgt Ion:107 Resp: 17869

Ion Ratio Lower Upper

107 100

109 93.6 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

10000

8000

6000

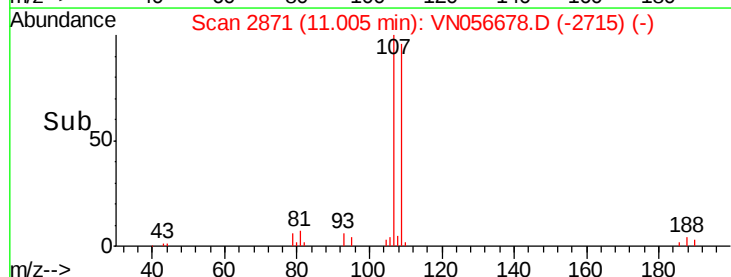
4000

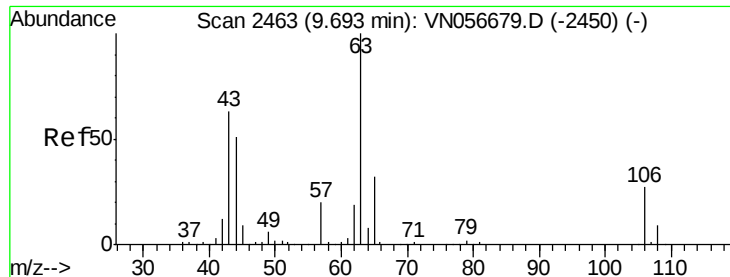
2000

0

10.95 11.00 11.05

Time-->

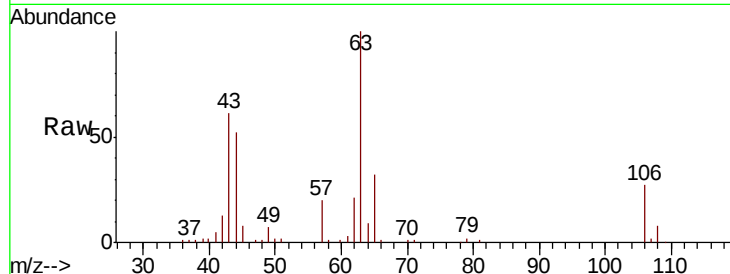




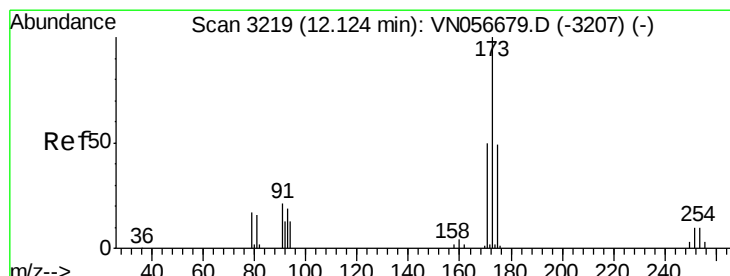
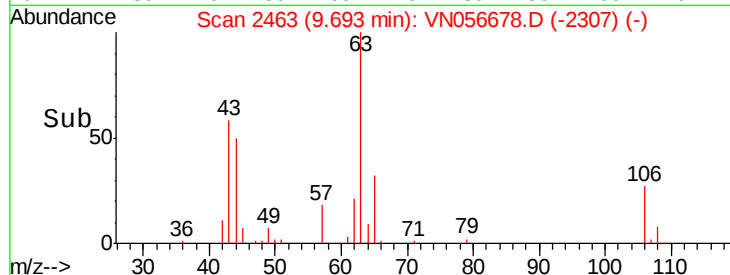
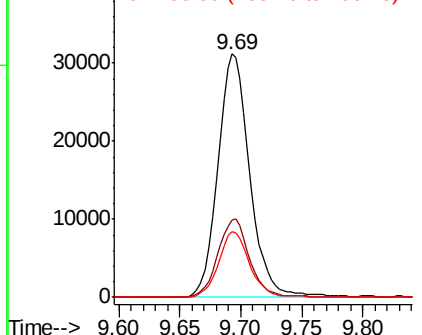
#55
2-Chloroethyl vinyl ether
Concen: 20.607 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 57165
Ion Ratio Lower Upper
63 100
65 31.7 25.2 37.8
106 26.0 21.6 32.4

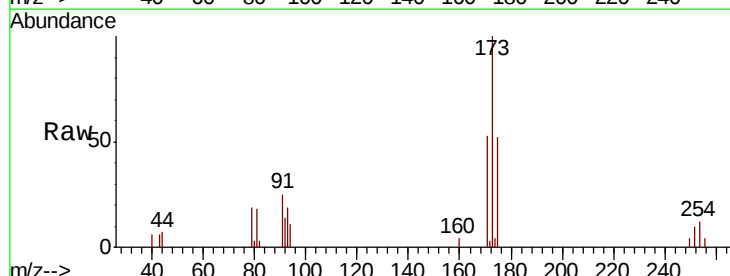


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): V

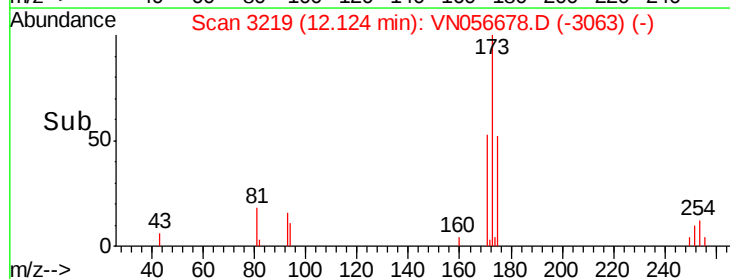
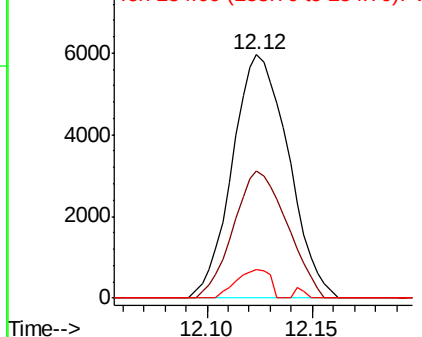


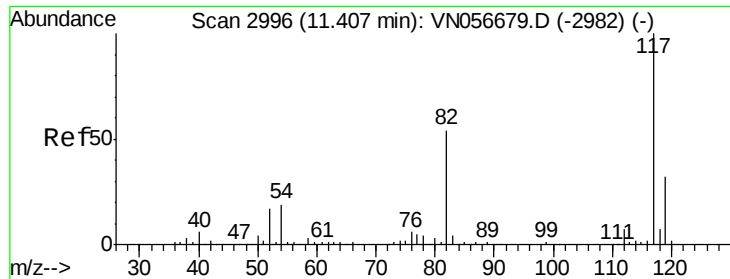
#56
Bromoform
Concen: 4.332 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 173 Resp: 10994
Ion Ratio Lower Upper
173 100
175 50.1 39.7 59.5
254 7.1 7.8 11.8#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

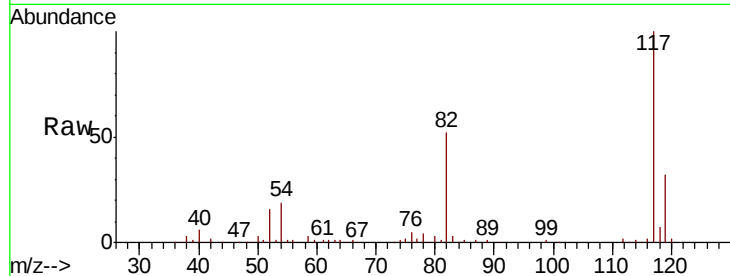




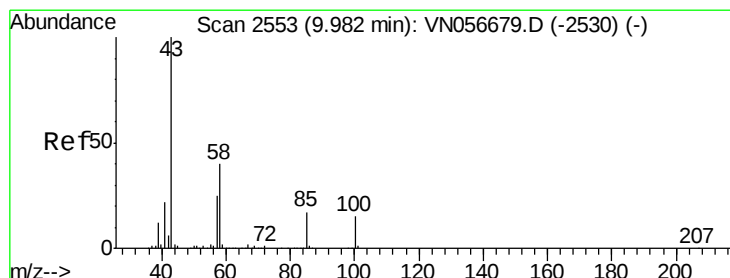
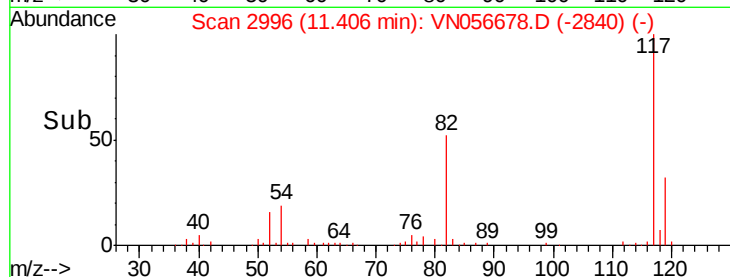
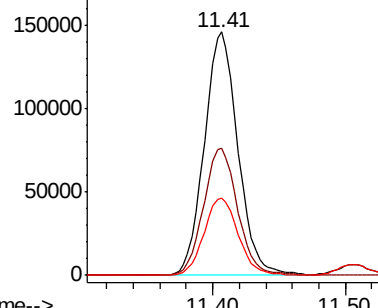
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 257531
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.4 26.0 39.0

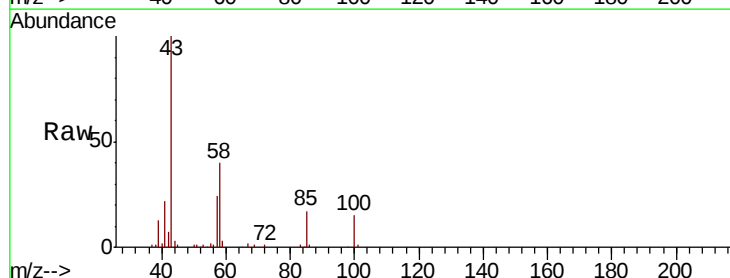


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

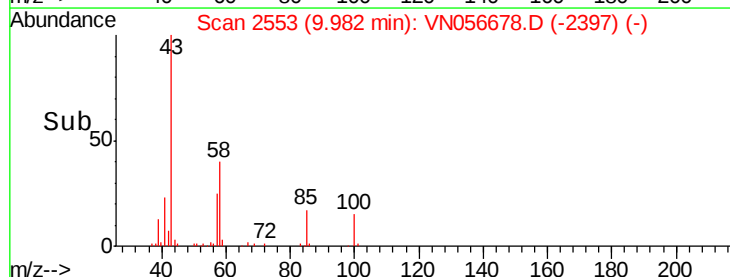
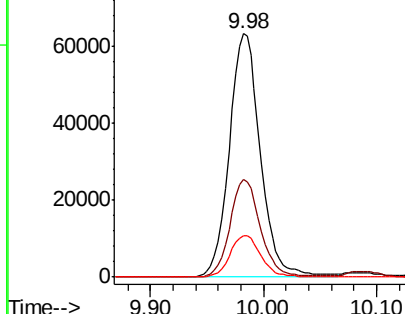


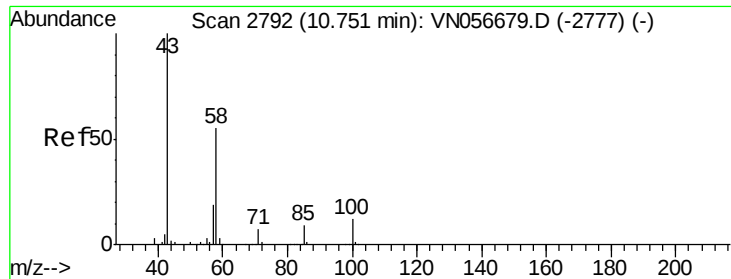
#58
4-Methyl-2-Pentanone
Concen: 25.524 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 43 Resp: 120002
Ion Ratio Lower Upper
43 100
58 39.6 31.9 47.9
85 17.0 14.2 21.4



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

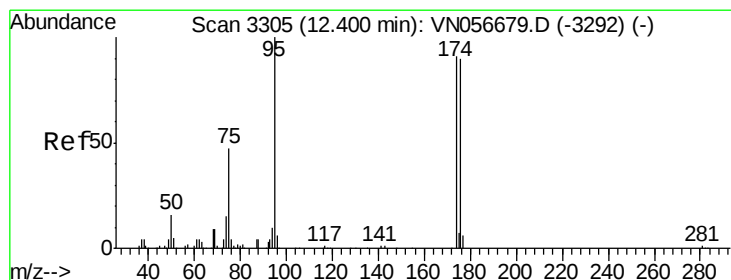
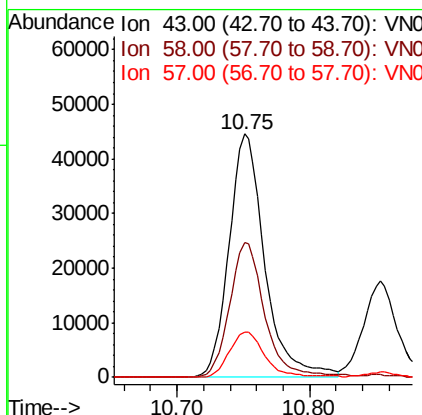
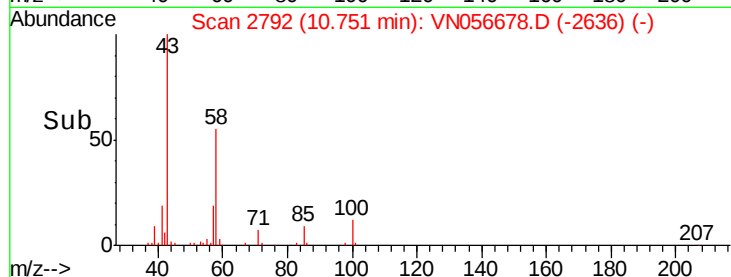
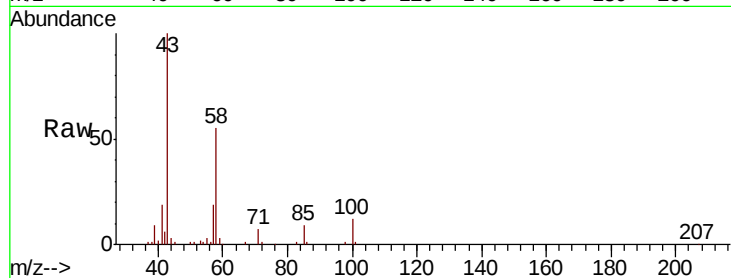




#59
2-Hexanone
Concen: 23.607 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

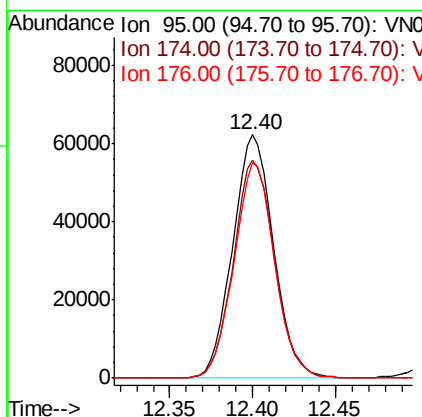
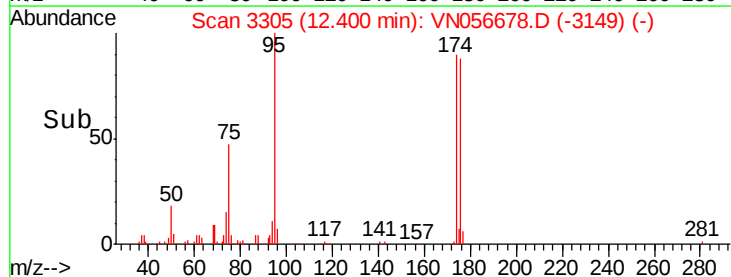
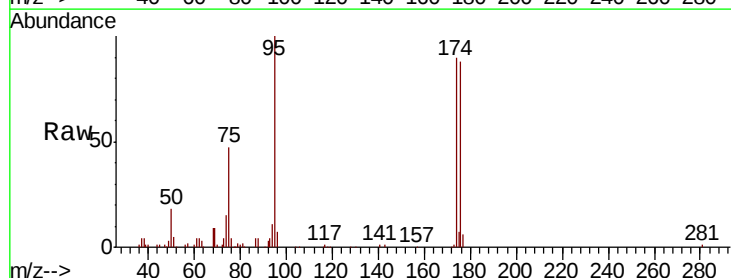
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

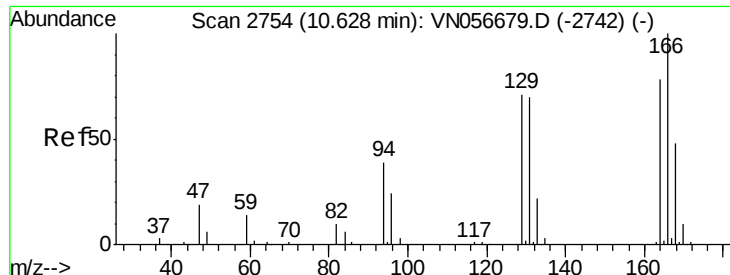
Tot Ion: 43 Resp: 83485
Ion Ratio Lower Upper
43 100
58 54.3 44.4 66.6
57 18.3 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 26.802 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion: 95 Resp: 106494
Ion Ratio Lower Upper
95 100
174 90.5 72.6 108.8
176 87.8 71.0 106.6





#61

Tetrachloroethene

Concen: 5.556 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 18681

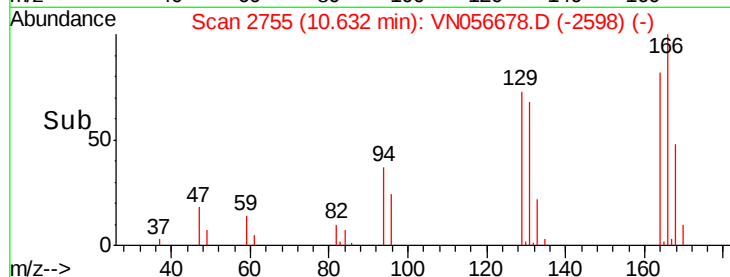
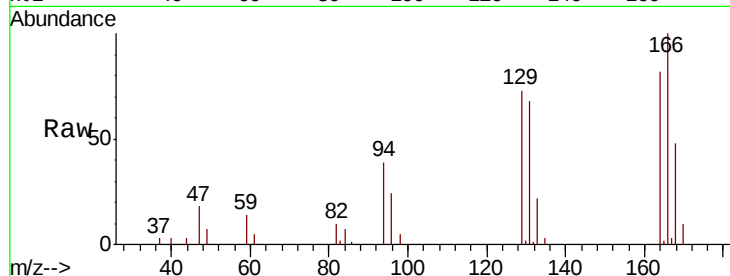
Ion Ratio Lower Upper

164 100

166 122.0 102.3 153.5

129 88.4 72.6 108.8

131 82.5 71.4 107.2

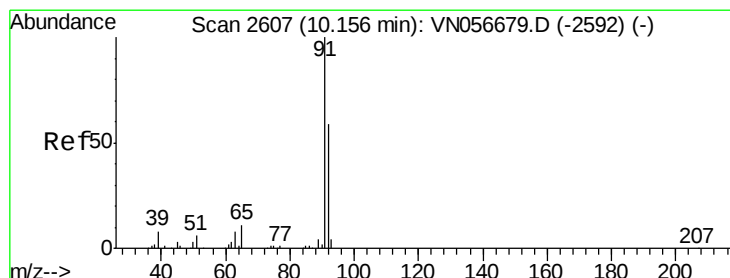
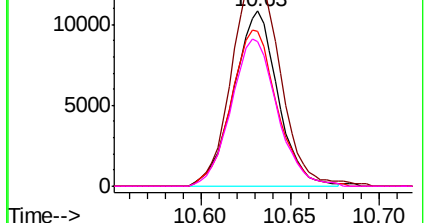


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.271 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056678.D

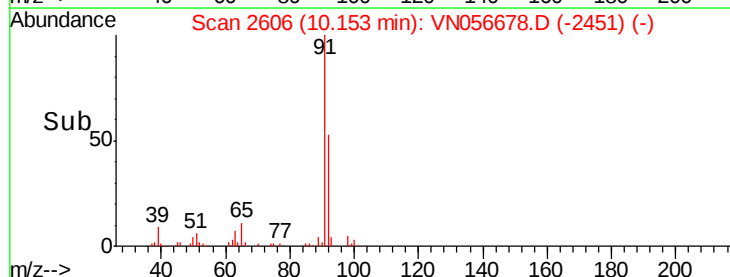
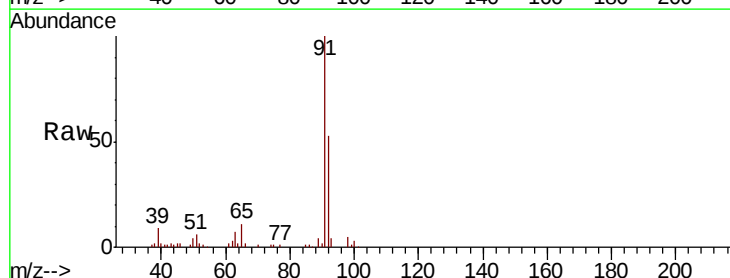
Acq: 12 Jul 2019 10:08

Tgt Ion: 91 Resp: 77221

Ion Ratio Lower Upper

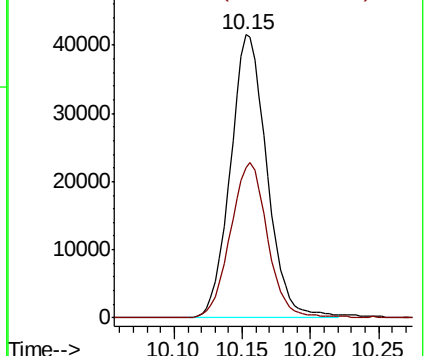
91 100

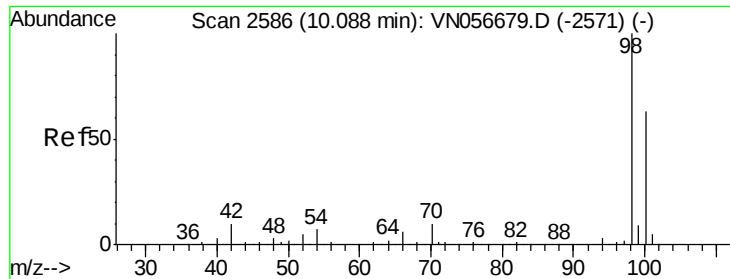
92 55.6 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.016 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

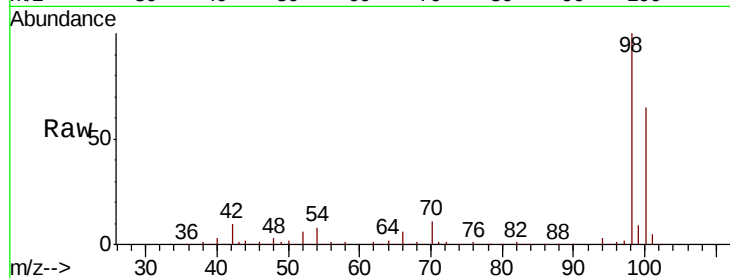
VSTDIC005

Tot Ion: 98 Resp: 370393

Ion Ratio Lower Upper

98 100

100 64.0 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

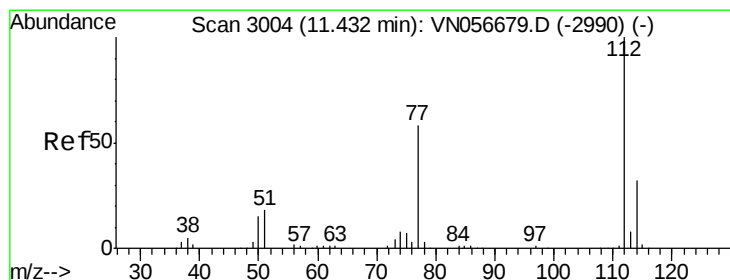
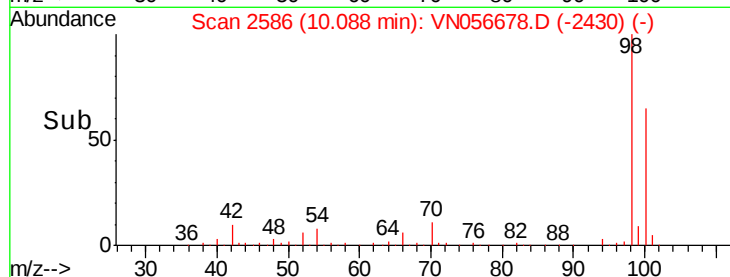
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 5.077 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056678.D

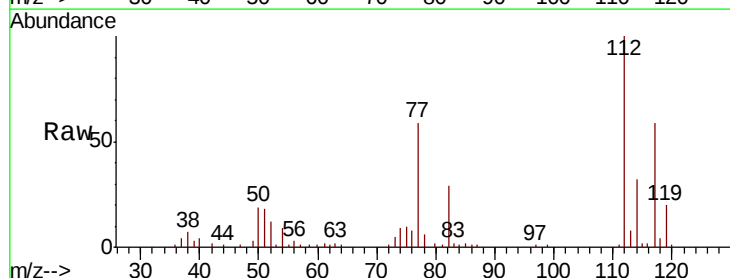
Acq: 12 Jul 2019 10:08

Tgt Ion: 112 Resp: 44871

Ion Ratio Lower Upper

112 100

114 31.9 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

25000

20000

15000

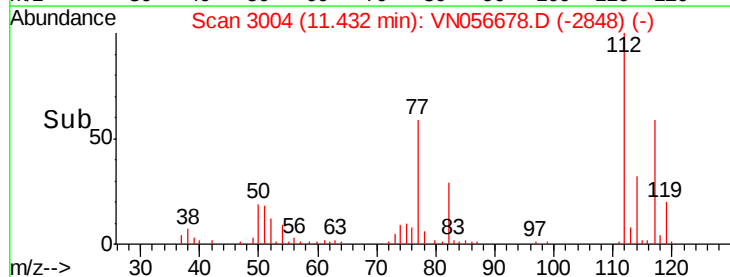
10000

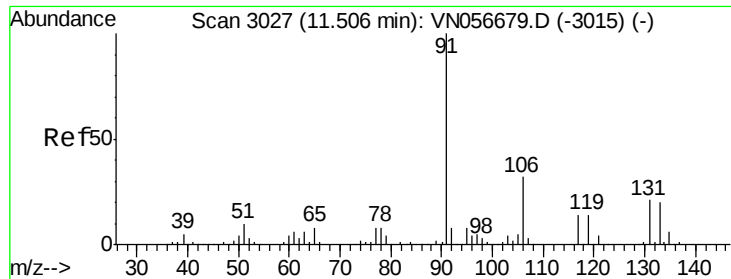
5000

0

11.35 11.40 11.45 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.033 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

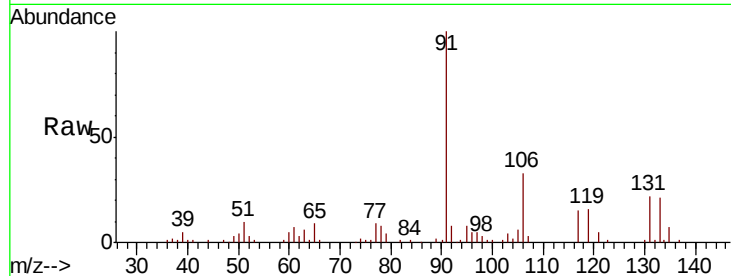
Tot Ion:131 Resp: 16139

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.4

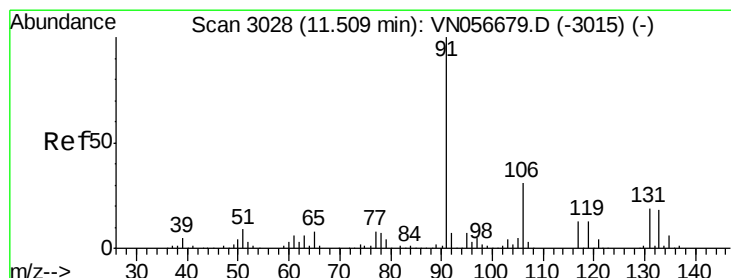
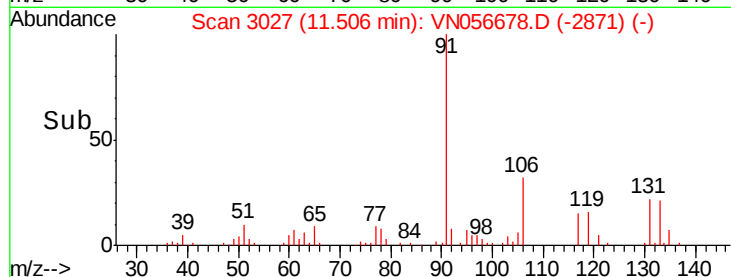
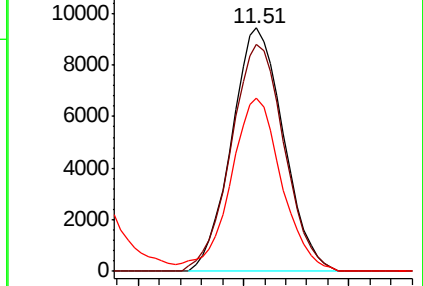
119 69.8 0.0 133.4



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: 4.855 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056678.D

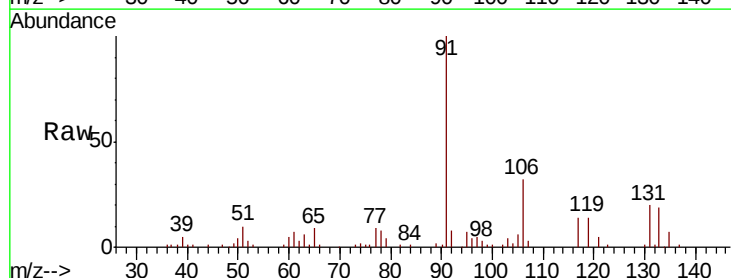
Acq: 12 Jul 2019 10:08

Tgt Ion: 91 Resp: 77213

Ion Ratio Lower Upper

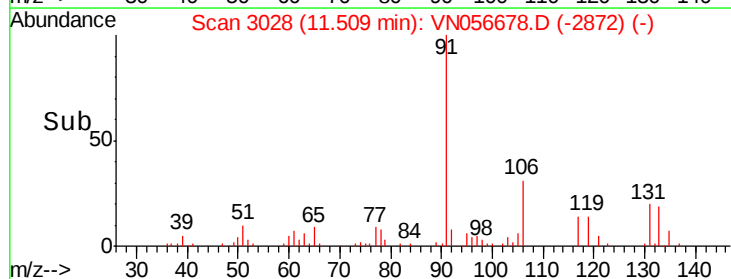
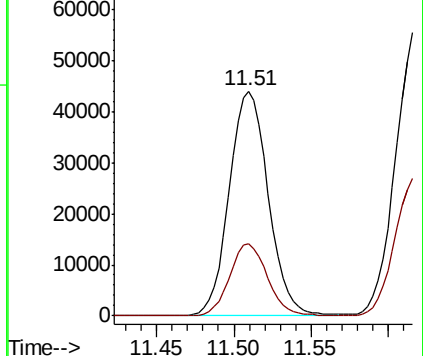
91 100

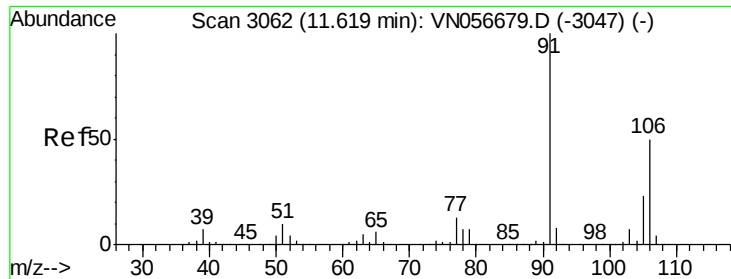
106 32.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

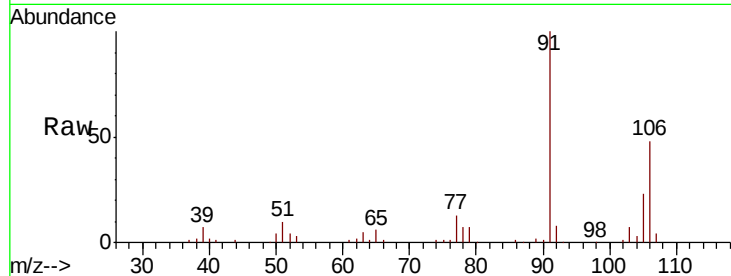




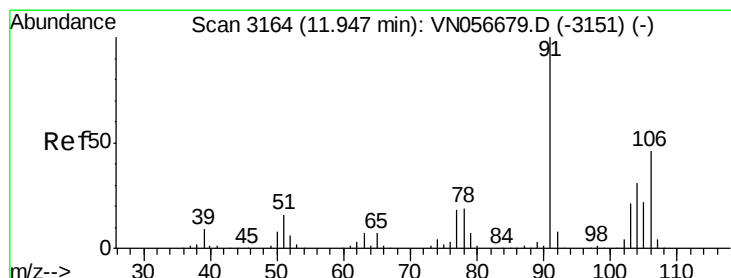
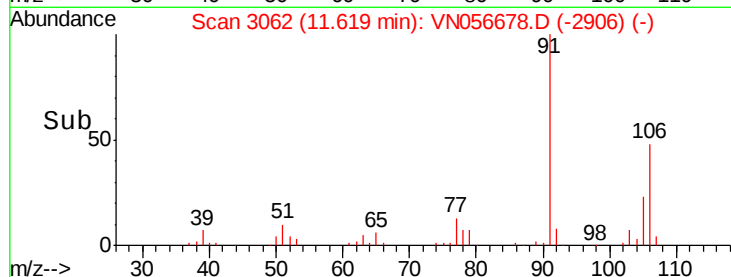
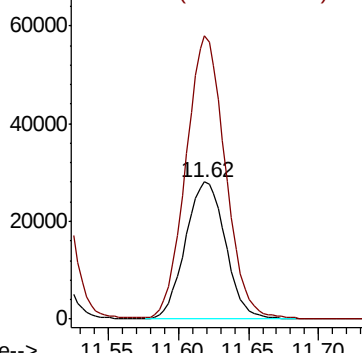
#67
m/p-Xvlenes
Concen: 9.484 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 55992
Ion Ratio Lower Upper
106 100
91 203.5 161.8 242.8

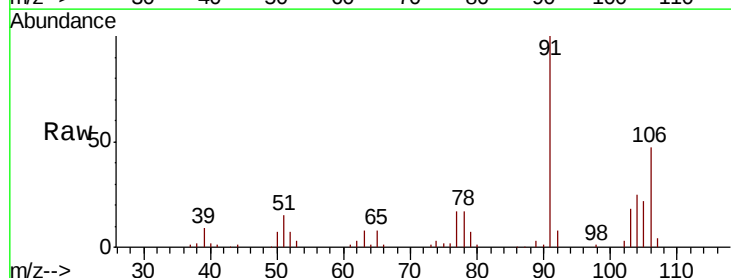


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

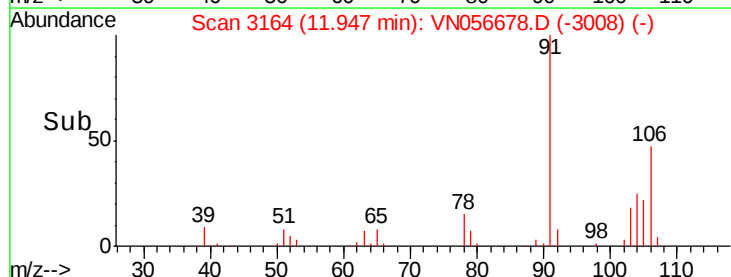
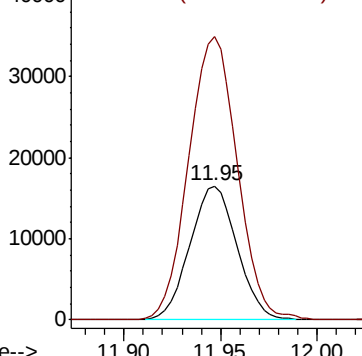


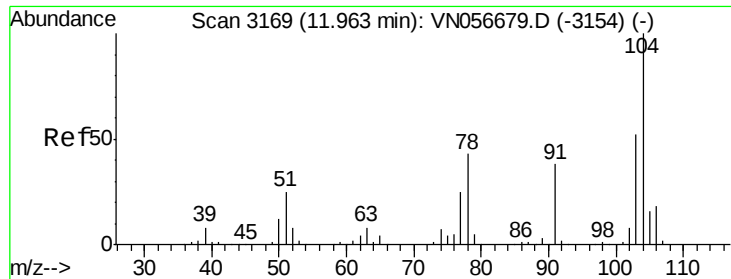
#68
o-Xylene
Concen: 4.831 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion:106 Resp: 27988
Ion Ratio Lower Upper
106 100
91 217.6 108.1 324.2



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

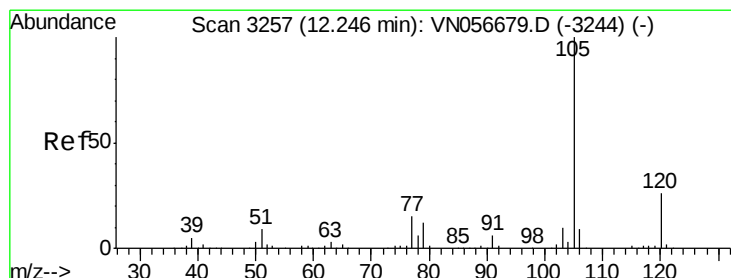
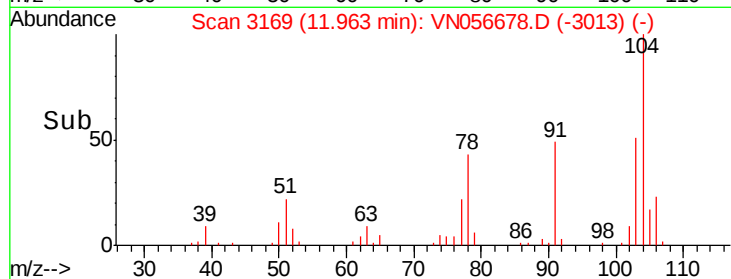
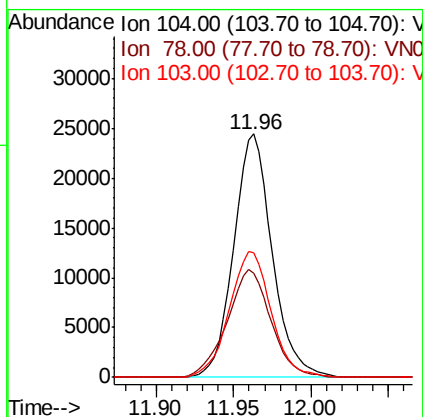
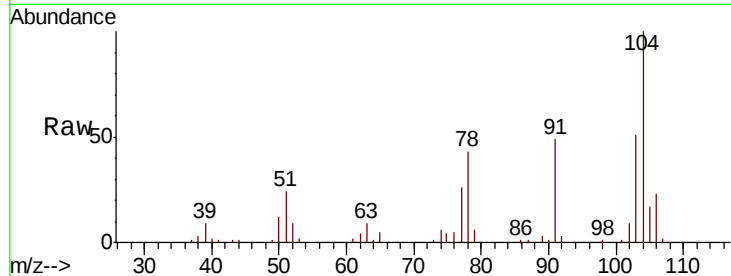




#69
Stvrene
Concen: 4.378 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

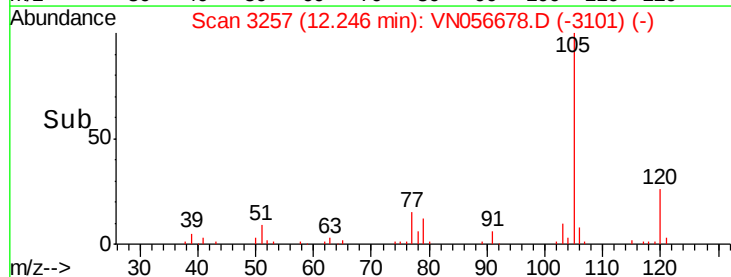
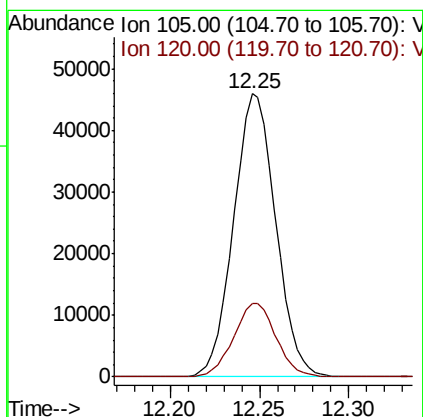
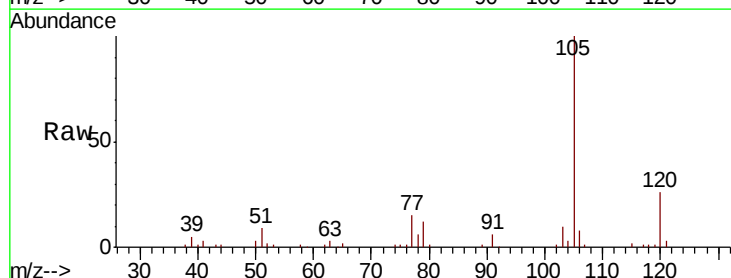
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

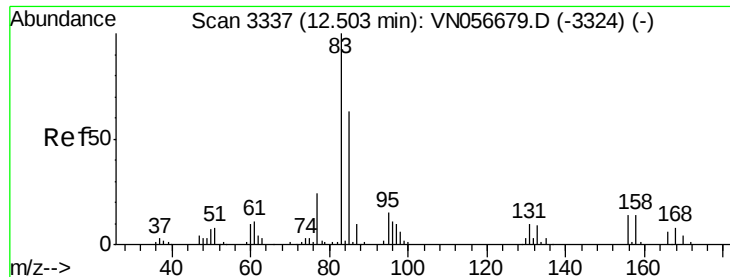
Tot Ion:104 Resp: 42160
Ion Ratio Lower Upper
104 100
78 50.3 38.7 58.1
103 56.2 45.0 67.4



#70
Isopropylbenzene
Concen: 4.988 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion:105 Resp: 75680
Ion Ratio Lower Upper
105 100
120 26.0 18.6 34.5

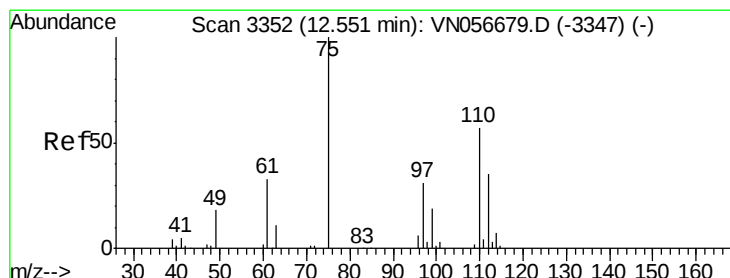
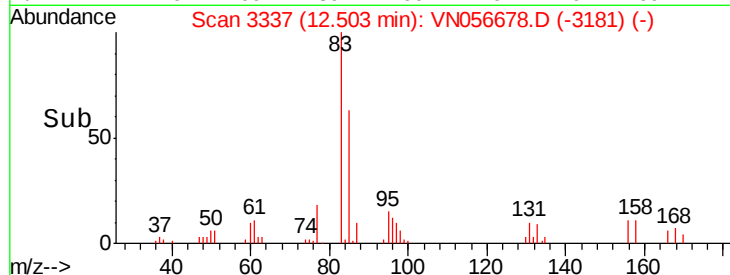
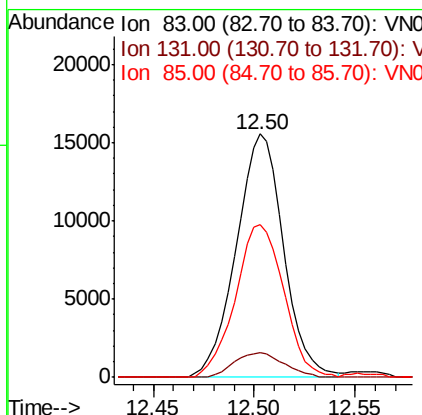
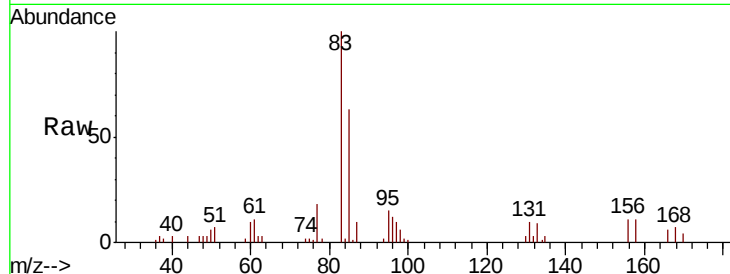




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.114 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

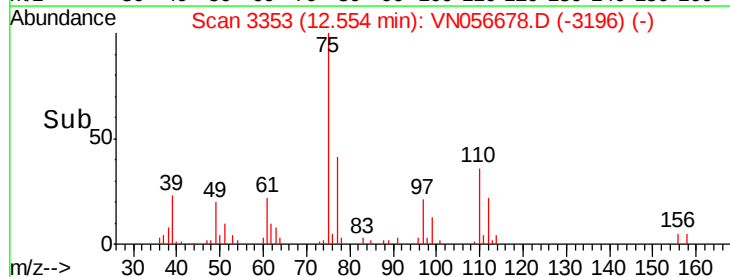
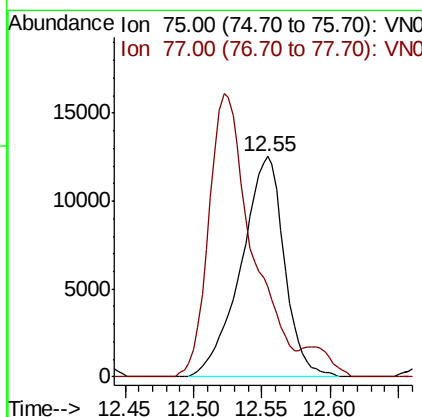
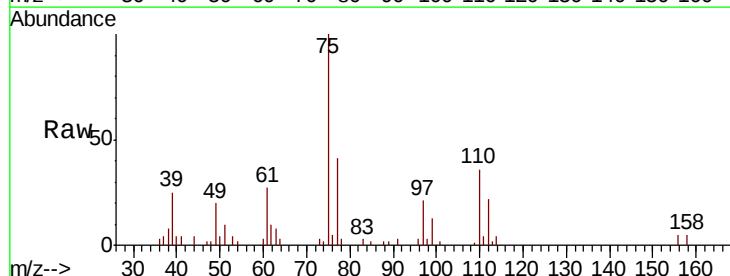
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

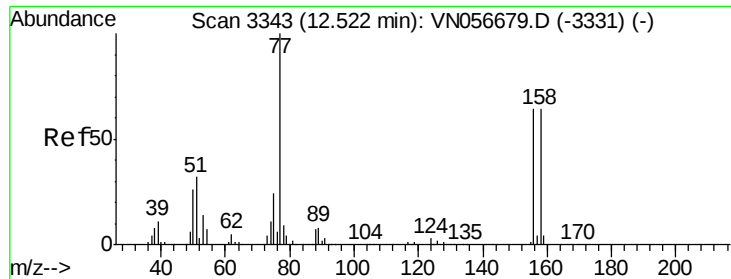
Tot Ion	83	Resp	25512
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.2	31.9	95.7



#72
 1,2,3-Trichloropropane
 Concen: 6.620 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion	75	Resp	27707
Ion Ratio	Lower	Upper	
75	100		
77	127.5	0.0	352.2





#73

Bromobenzene

Concen: 4.706 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

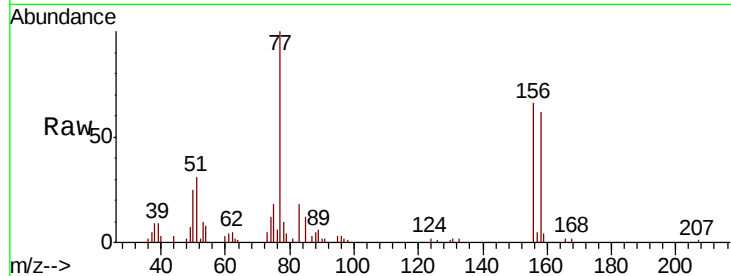
Tot Ion:156 Resp: 18436

Ion Ratio Lower Upper

156 100

77 191.6 0.0 381.8

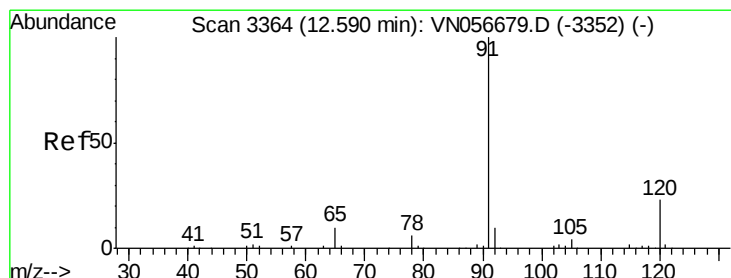
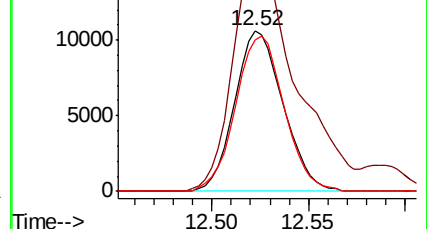
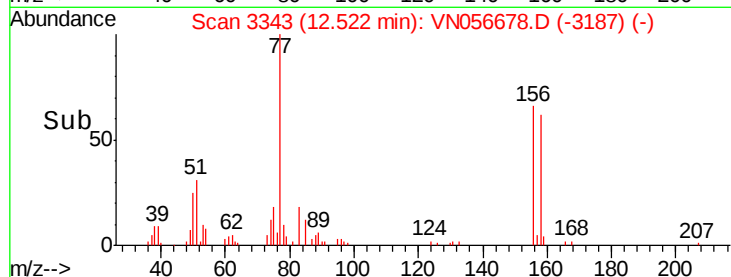
158 97.3 0.0 195.8



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: 4.432 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056678.D

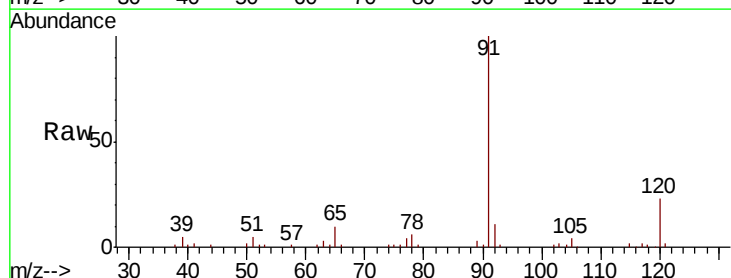
Acq: 12 Jul 2019 10:08

Tgt Ion: 91 Resp: 76672

Ion Ratio Lower Upper

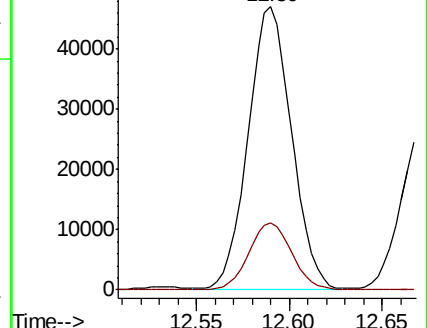
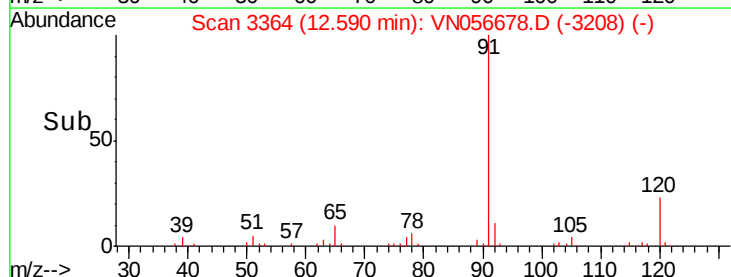
91 100

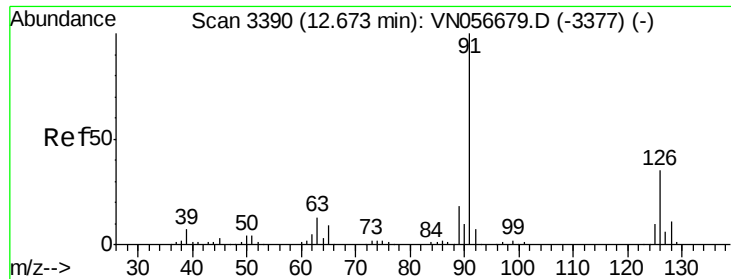
120 23.2 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.765 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

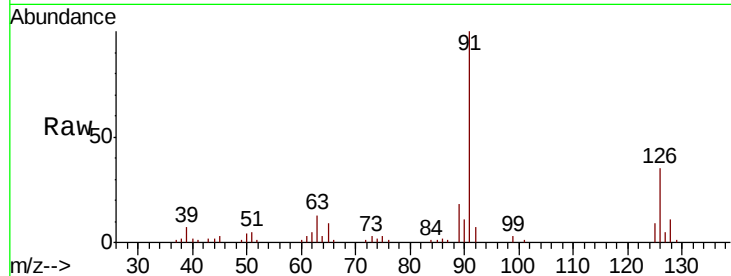
VSTDIC005

Tot Ion: 91 Resp: 49145

Ion Ratio Lower Upper

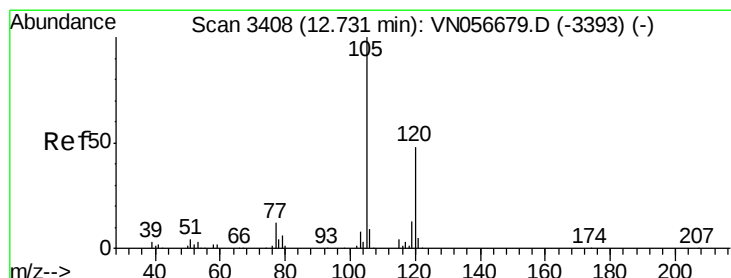
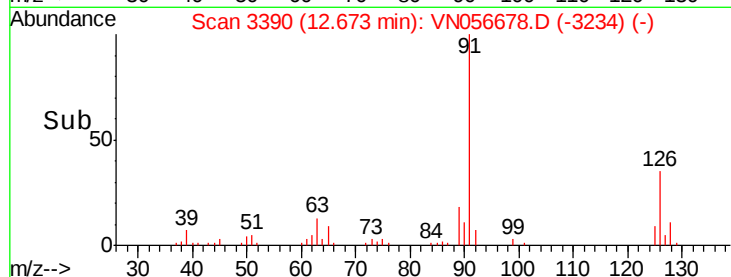
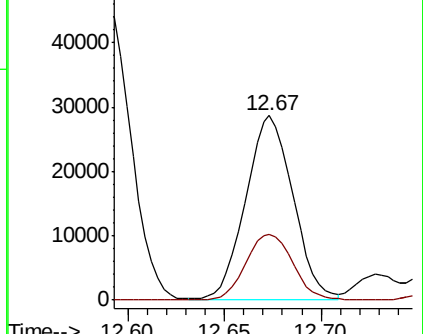
91 100

126 35.2 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.722 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056678.D

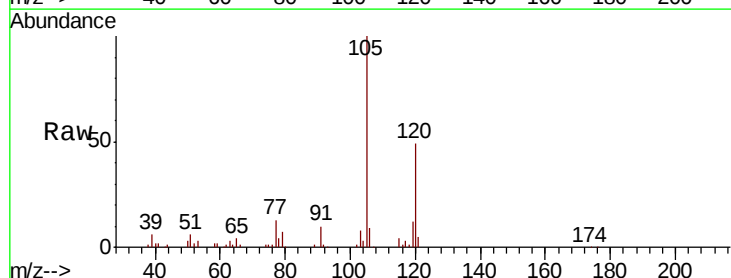
Acq: 12 Jul 2019 10:08

Tgt Ion: 105 Resp: 61037

Ion Ratio Lower Upper

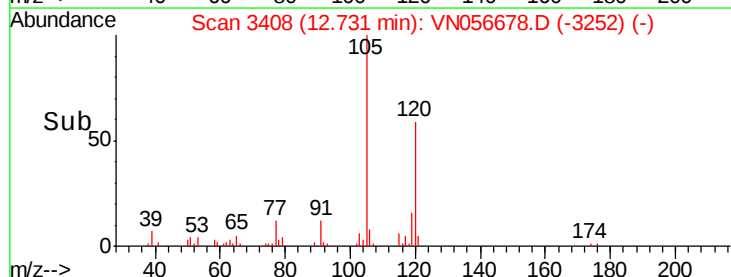
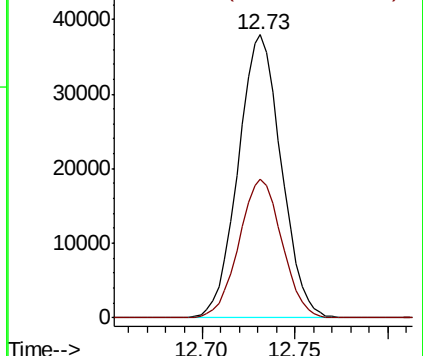
105 100

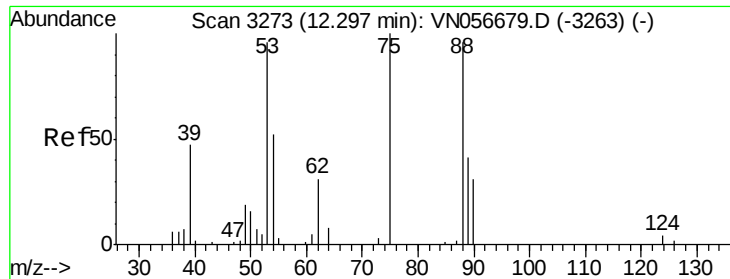
120 48.9 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.541 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

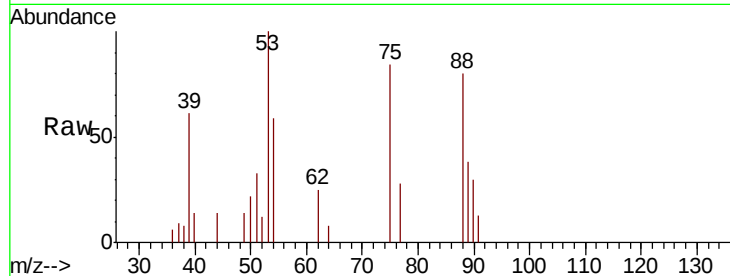
Tot Ion: 75 Resp: 4820

Ion Ratio Lower Upper

75 100

53 114.1 48.6 145.8

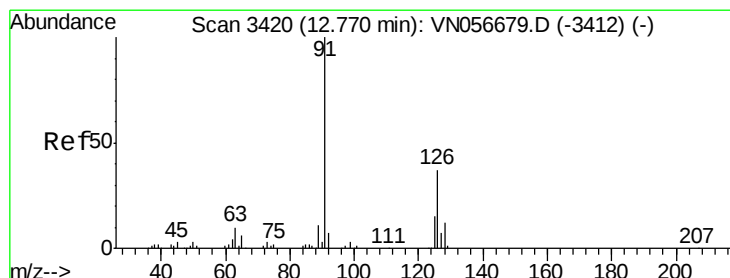
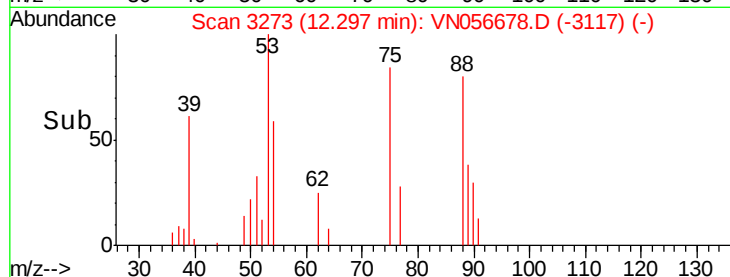
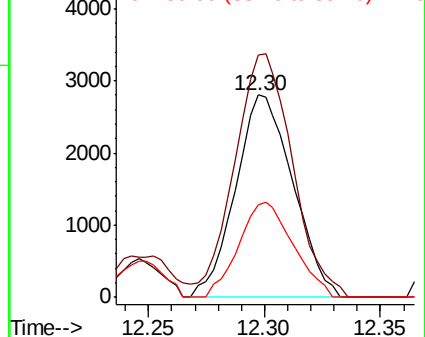
89 45.5 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 4.290 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056678.D

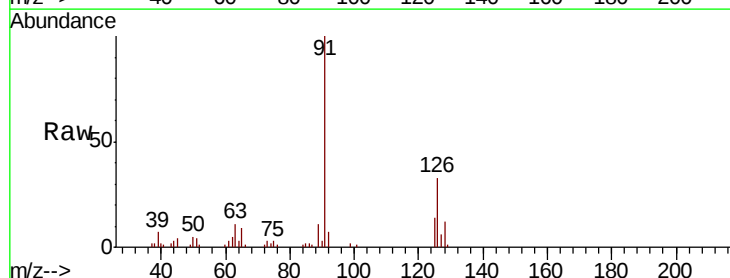
Acq: 12 Jul 2019 10:08

Tgt Ion: 91 Resp: 42947

Ion Ratio Lower Upper

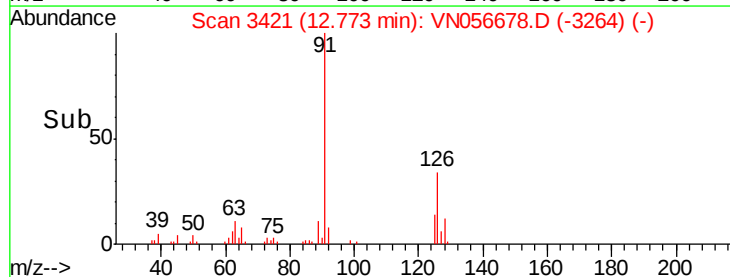
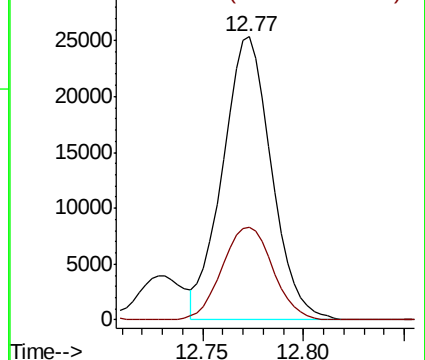
91 100

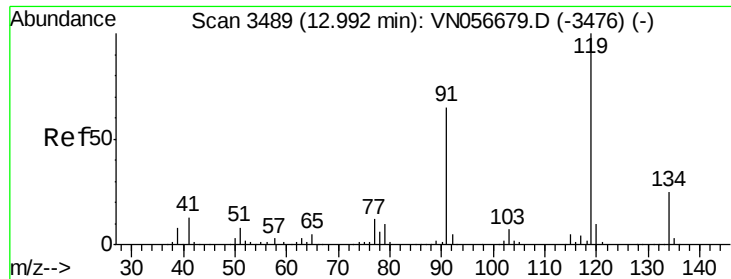
126 34.0 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

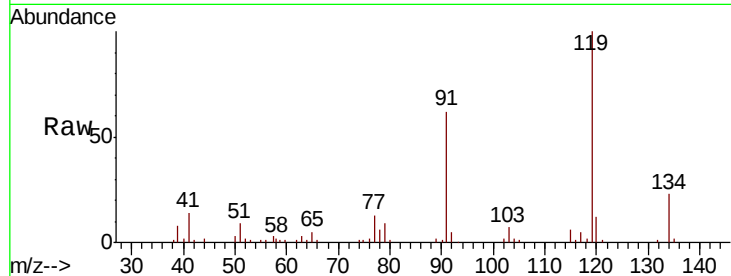




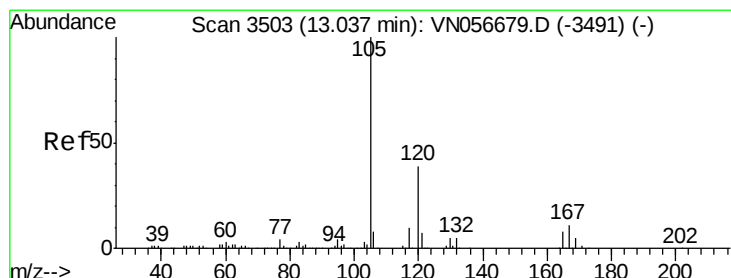
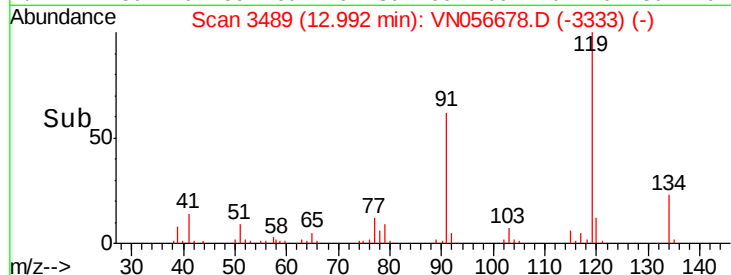
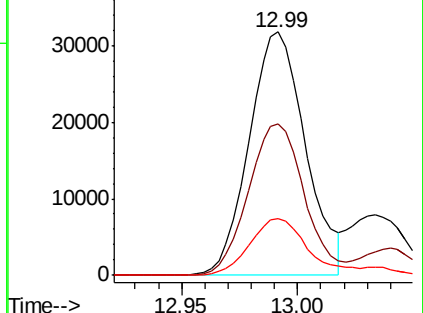
#79
tert-butylbenzene
Concen: 4.897 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 53899
Ion Ratio Lower Upper
119 100
91 61.7 0.0 125.4
134 24.1 0.0 48.4

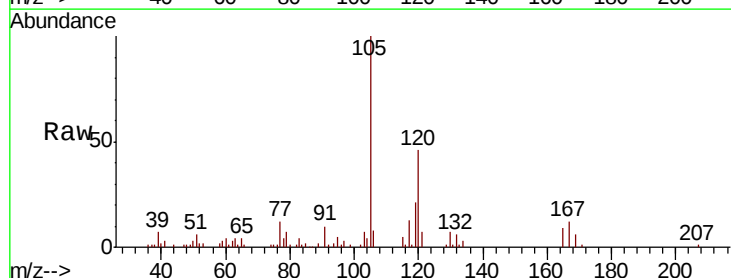


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

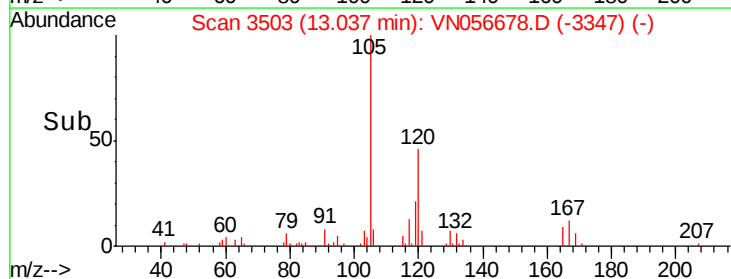
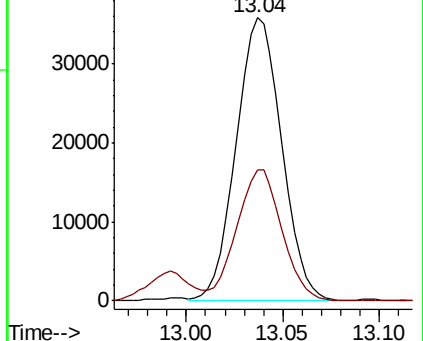


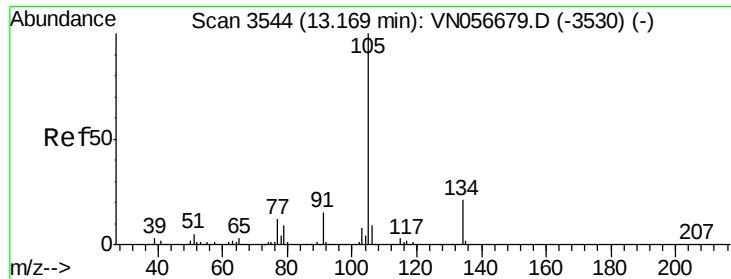
#80
1,2,4-Trimethylbenzene
Concen: 4.605 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056678.D
Acq: 12 Jul 2019 10:08

Tgt Ion:105 Resp: 58806
Ion Ratio Lower Upper
105 100
120 45.8 0.0 91.2



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

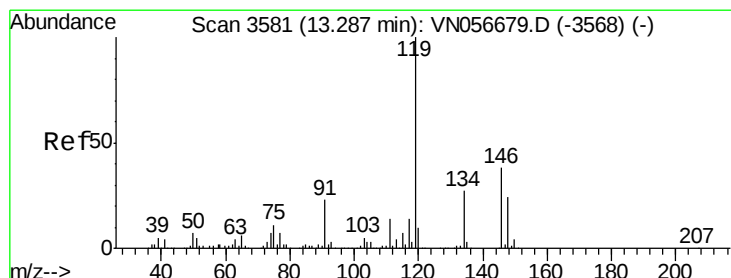
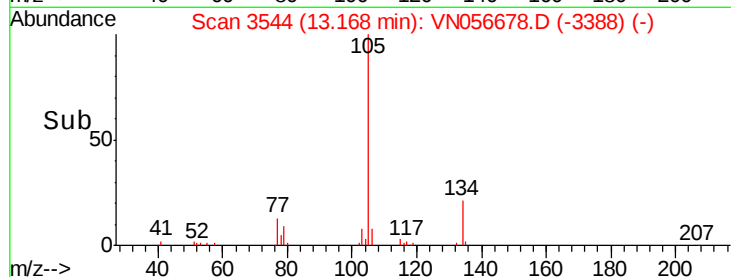
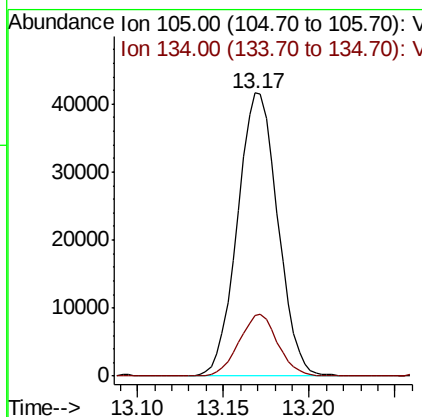
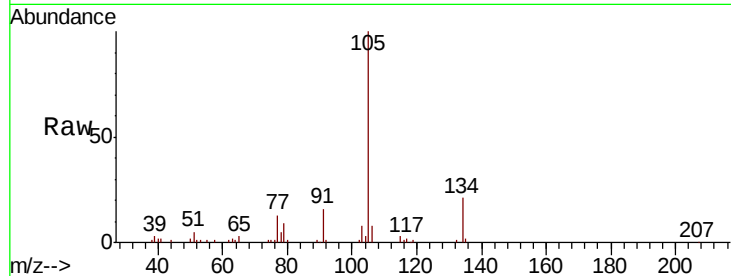




#81
 sec-Butylbenzene
 Concen: 4.649 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

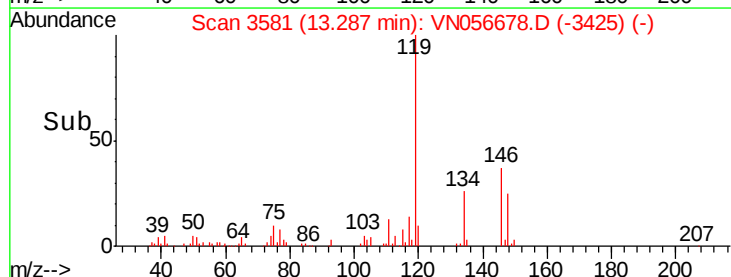
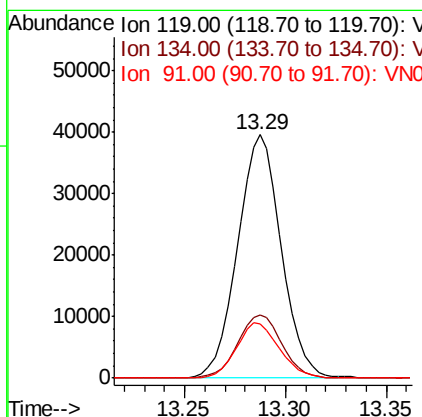
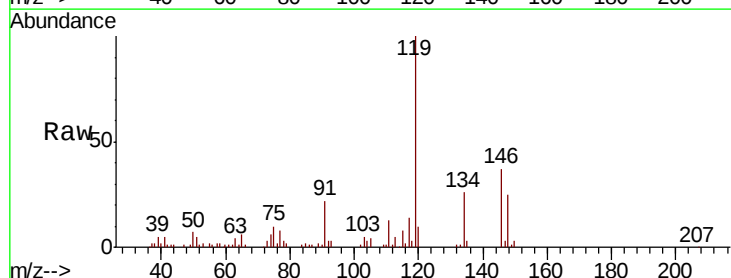
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

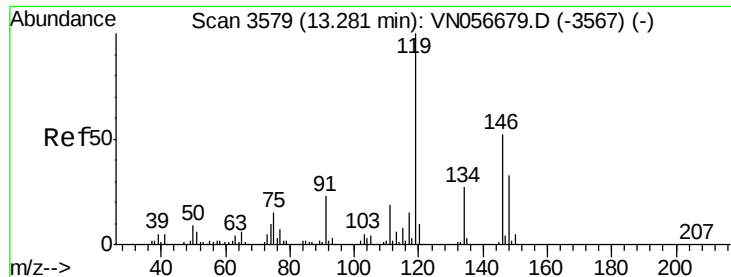
Tot Ion:105 Resp: 67936
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 4.528 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion:119 Resp: 59768
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.8
 91 22.3 0.0 45.4

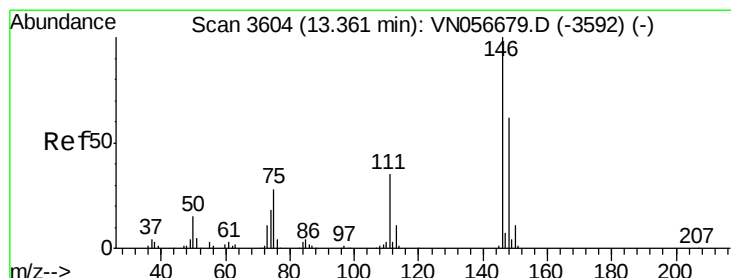
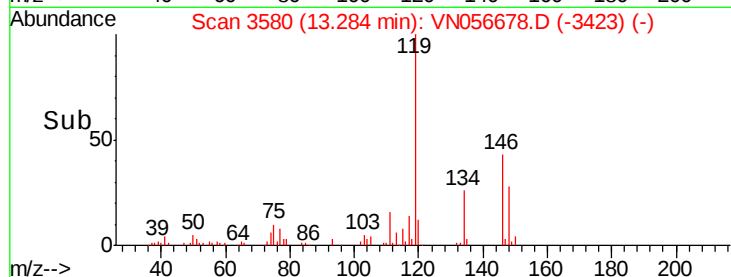
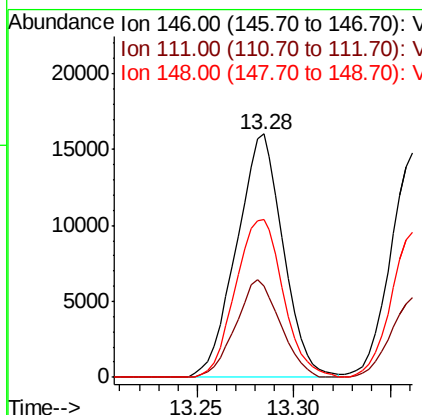
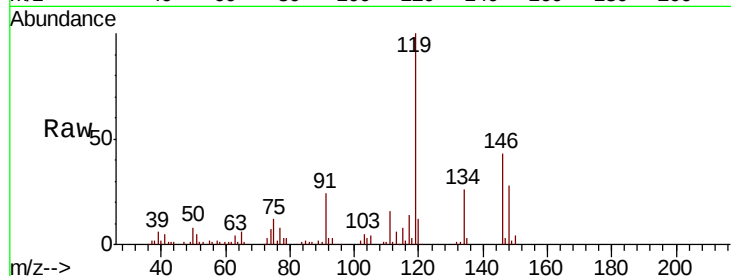




#83
 1,3-Dichlorobenzene
 Concen: 4.114 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

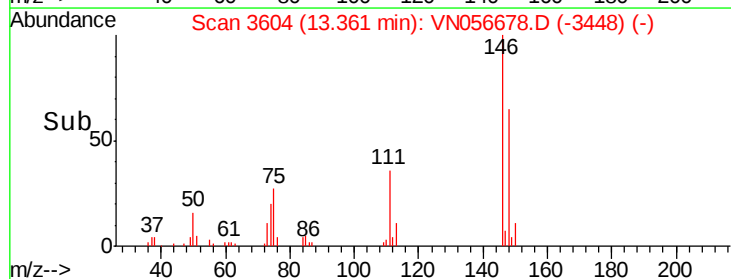
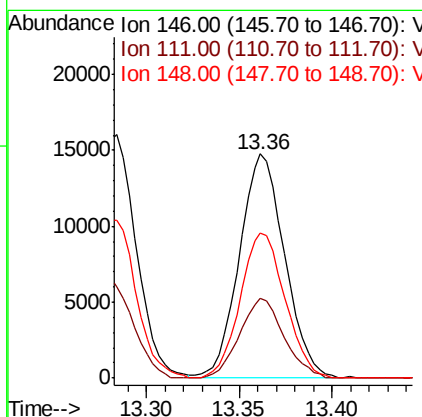
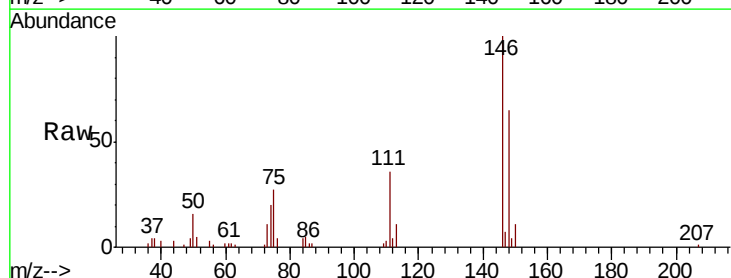
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

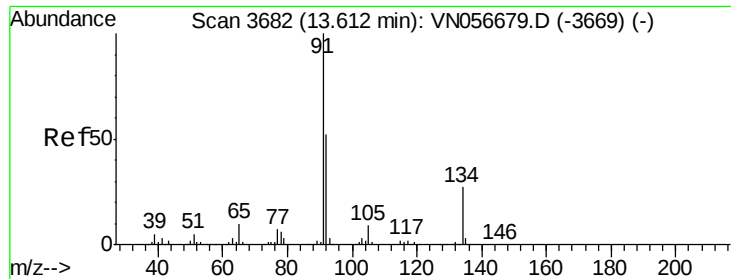
Tot Ion:146 Resp: 26860
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.7 56.1
 148 66.3 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 3.980 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion:146 Resp: 25008
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.8 53.4
 148 63.9 31.9 95.5





#85

n-Butylbenzene

Concen: 3.754 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

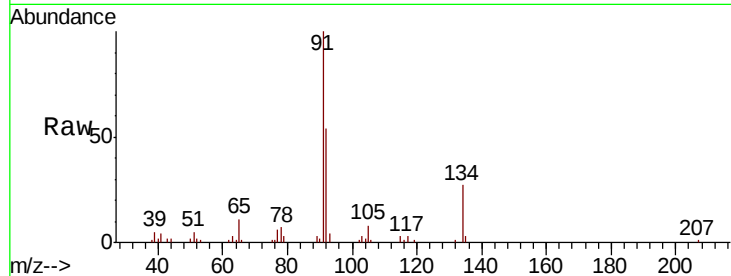
Tot Ion: 91 Resp: 41469

Ion Ratio Lower Upper

91 100

92 53.5 0.0 104.0

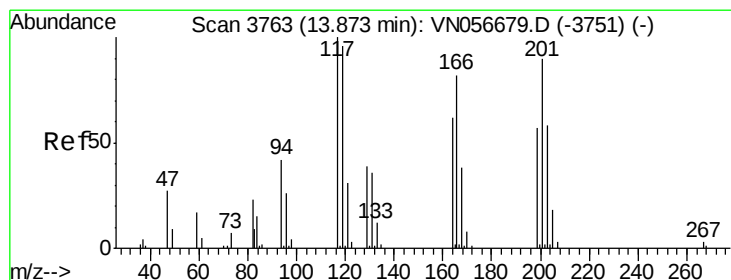
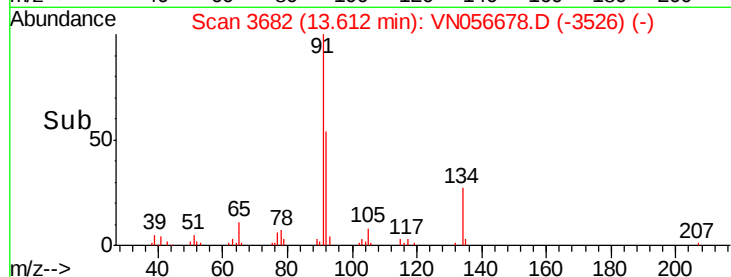
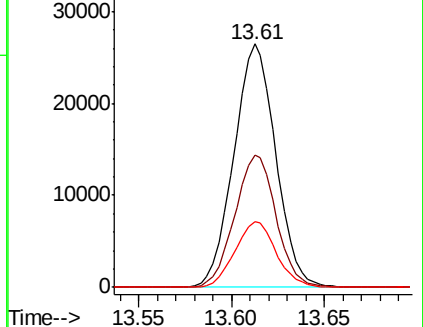
134 26.5 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056679.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056679.D (-3669) (-)



#86

Hexachloroethane

Concen: 4.456 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056678.D

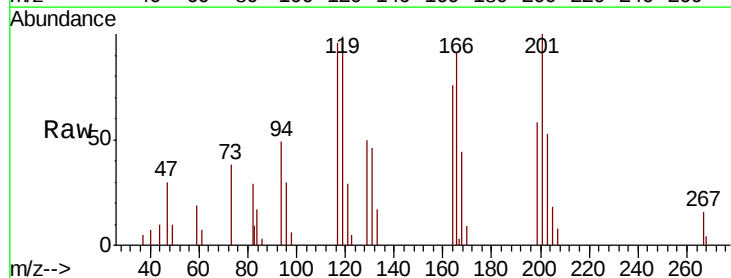
Acq: 12 Jul 2019 10:08

Tgt Ion: 117 Resp: 8947

Ion Ratio Lower Upper

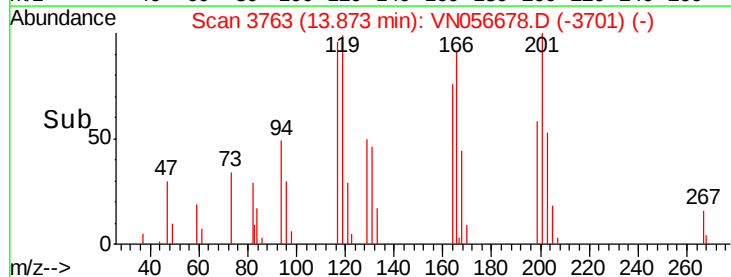
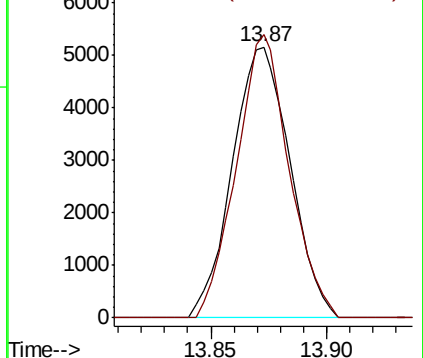
117 100

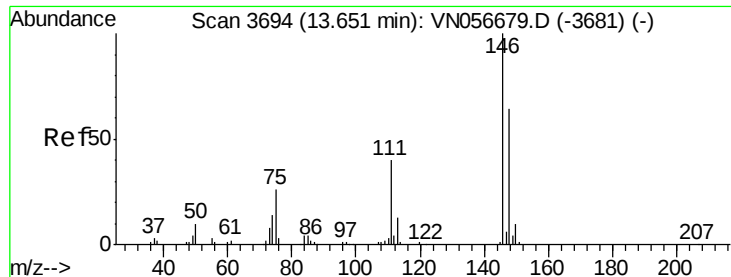
201 95.5 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN056679.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056679.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 4.511 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

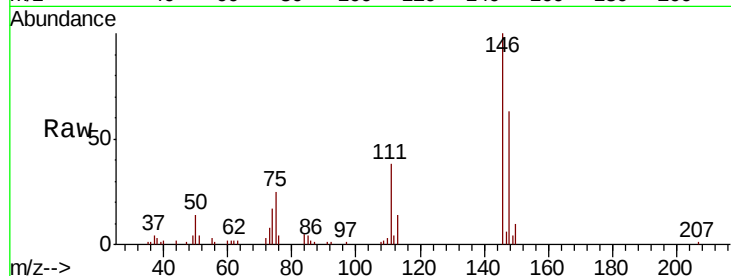
Tot Ion:146 Resp: 29676

Ion Ratio Lower Upper

146 100

111 38.3 19.7 59.0

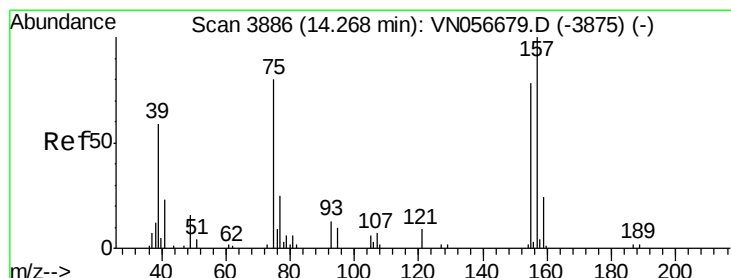
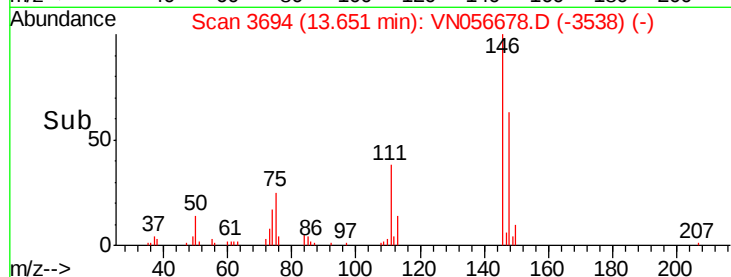
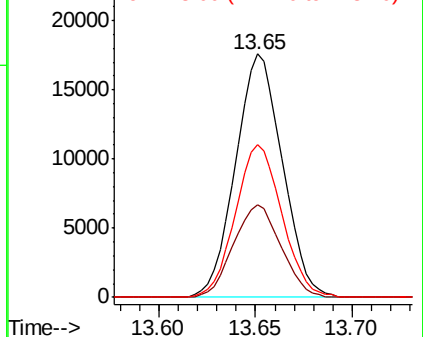
148 62.1 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.479 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

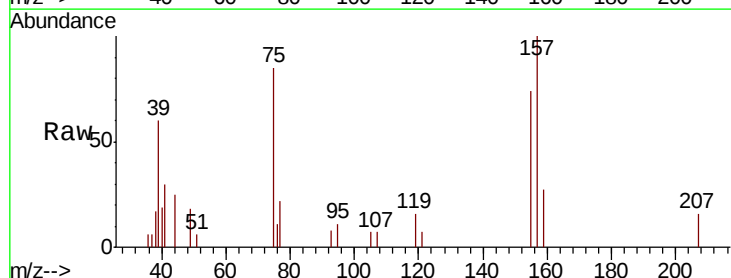
Tgt Ion: 75 Resp: 3981

Ion Ratio Lower Upper

75 100

155 81.7 78.6 117.8

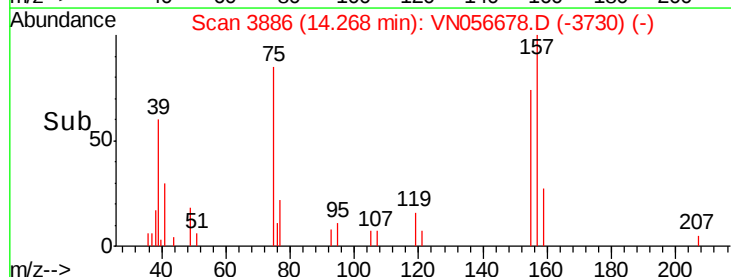
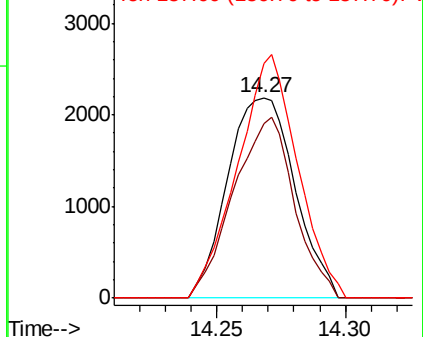
157 108.8 99.3 148.9

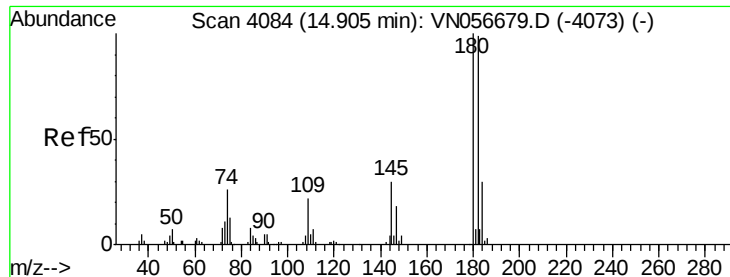


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

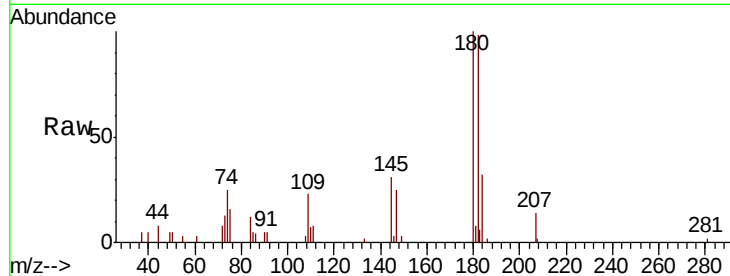




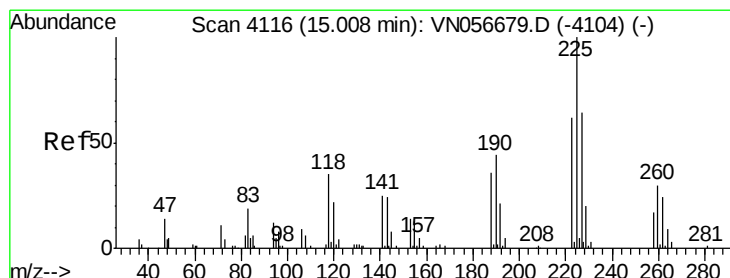
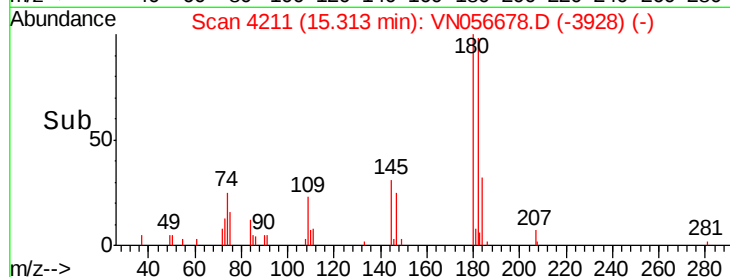
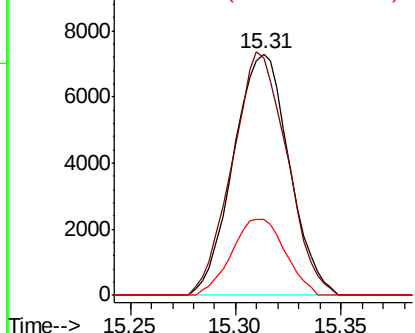
#89
 1,2,4-Trichlorobenzene
 Concen: 3.693 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.41 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 13392
 Ion Ratio Lower Upper
 180 100
 182 99.0 78.2 117.4
 145 30.3 23.2 34.8

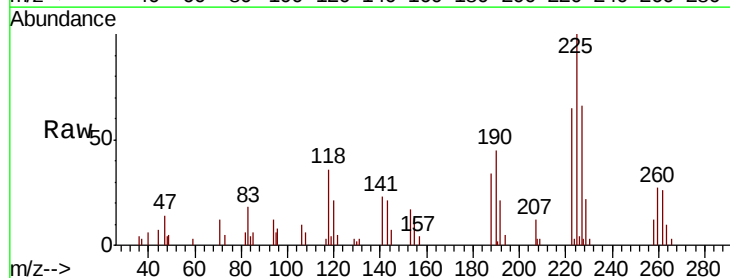


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

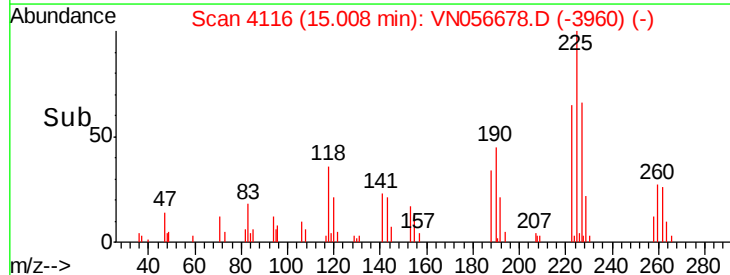
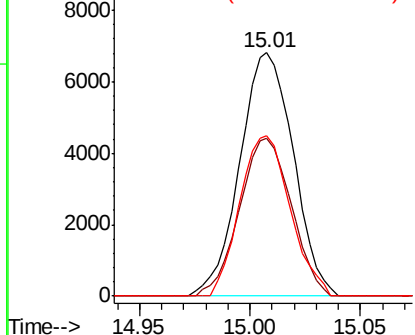


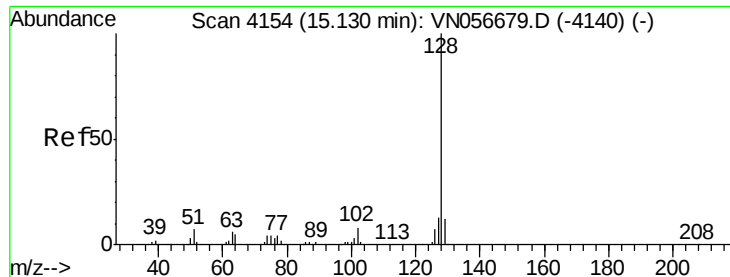
#90
 Hexachlorobutadiene
 Concen: 5.019 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056678.D
 Acq: 12 Jul 2019 10:08

Tgt Ion:225 Resp: 11493
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 124.6
 227 62.1 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: 2.754 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

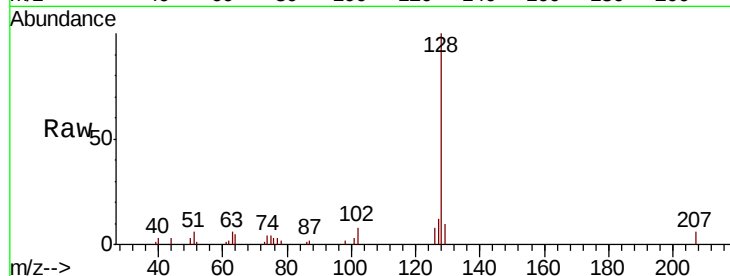
Tot Ion:128 Resp: 27496

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

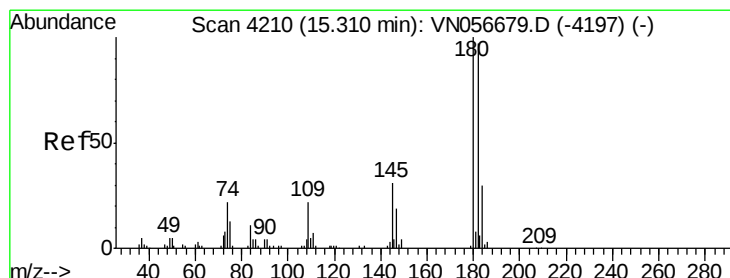
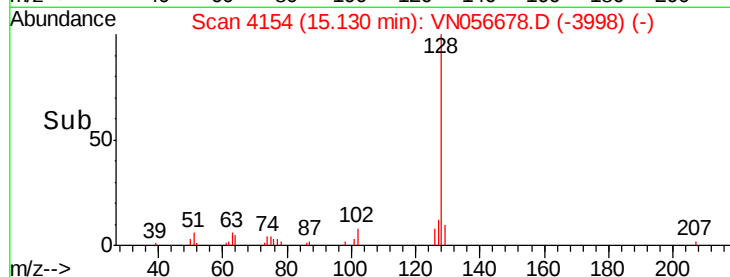
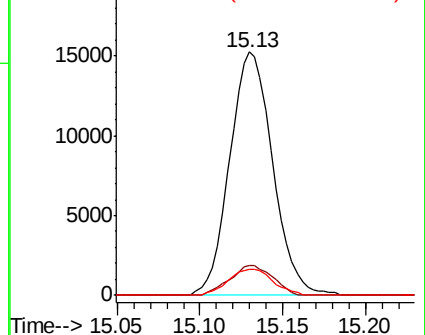
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 3.527 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056678.D

Acq: 12 Jul 2019 10:08

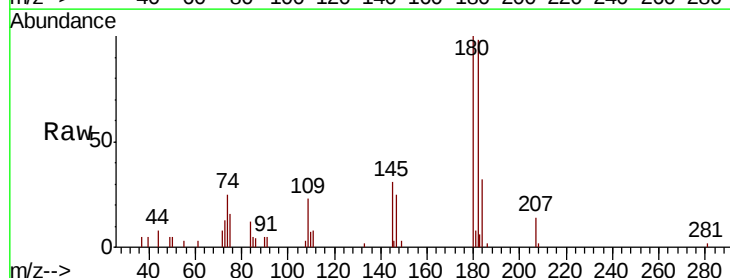
Tgt Ion:180 Resp: 13392

Ion Ratio Lower Upper

180 100

182 99.0 0.0 192.4

145 30.3 0.0 60.4



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

