

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032019\
 Data File : VN054457.D
 Acq On : 20 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 20 12:08:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	818966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	686848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271982	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	32742	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
35) Dibromofluoromethane	7.59	113	25961	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
50) Toluene-d8	10.09	98	97597	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.40	95	30966	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	23191	4.567 ug/l	98
3) Chloromethane	2.06	50	33526	6.797 ug/l	97
4) Vinyl Chloride	2.19	62	33290	5.905 ug/l	98
5) Bromomethane	2.57	94	22265	5.702 ug/l	91
6) Chloroethane	2.71	64	21239	6.226 ug/l	98
7) Trichlorofluoromethane	3.02	101	43122	5.753 ug/l	97
8) Diethyl Ether	3.41	74	15854	4.641 ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.75	101	25799	4.593 ug/l	97
10) Methyl Iodide	3.94	142	31737	4.295 ug/l	95
11) Tert butyl alcohol	4.81	59	4477	11.477 ug/l #	70
12) 1,1-Dichloroethene	3.73	96	26277	4.721 ug/l	91
13) Acrolein	3.61	56	15357	41.545 ug/l	97
14) Allyl chloride	4.32	41	43745	6.125 ug/l #	94
15) Acrylonitrile	5.00	53	46237	28.855 ug/l	97
16) Acetone	3.82	43	46046	28.262 ug/l #	86
17) Carbon Disulfide	4.04	76	60542	4.339 ug/l	99
18) Methyl Acetate	4.33	43	20470	6.210 ug/l	92
19) Methyl tert-butyl Ether	5.05	73	72457	5.251 ug/l	97
20) Methylene Chloride	4.55	84	30597	5.719 ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	25656	4.810 ug/l #	80
22) Diisopropyl ether	5.96	45	92422	6.484 ug/l #	93
23) Vinyl Acetate	5.90	43	301783	28.715 ug/l	95
24) 1,1-Dichloroethane	5.85	63	51399	5.616 ug/l	100
25) 2-Butanone	6.85	43	60107	31.433 ug/l	90
26) 2,2-Dichloropropane	6.83	77	33562	4.170 ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	31467	5.289 ug/l	93
28) Bromochloromethane	7.19	49	24072	6.434 ug/l #	76
29) Tetrahydrofuran	7.22	42	40565	32.993 ug/l #	83
30) Chloroform	7.37	83	50083	5.244 ug/l	97
31) Cyclohexane	7.65	56	57925	5.880 ug/l #	88
32) 1,1,1-Trichloroethane	7.56	97	40645	4.712 ug/l	96
36) 1,1-Dichloropropene	7.79	75	35892	4.759 ug/l	97
37) Ethyl Acetate	6.93	43	26598	6.138 ug/l #	97
38) Carbon Tetrachloride	7.77	117	34932	4.417 ug/l	96

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 Acq On : 20 Mar 2019 10:47
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 20 12:08:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	43575	4.696	ug/l	94
40) Benzene	8.04	78	109353	5.067	ug/l	99
41) Methacrylonitrile	7.18	41	13420	5.424	ug/l	95
42) 1,2-Dichloroethane	8.13	62	40728	5.590	ug/l	99
43) Isopropyl Acetate	8.17	43	41105	5.404	ug/l #	93
44) Trichloroethene	8.83	130	29770	4.440	ug/l	94
45) 1,2-Dichloropropane	9.12	63	28260	5.273	ug/l	94
46) Dibromomethane	9.21	93	17313	4.781	ug/l	91
47) Bromodichloromethane	9.40	83	34973	4.818	ug/l	99
48) Methyl methacrylate	9.20	41	21674	5.615	ug/l	90
49) 1,4-Dioxane	9.21	88	5322	97.469	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	116647	28.978	ug/l	96
52) Toluene	10.16	92	65844	4.812	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	27151	3.675	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	37002	4.374	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	23845	4.772	ug/l	94
56) Ethyl methacrylate	10.43	69	28963	4.861	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	40650	4.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	58102	25.744	ug/l	92
59) 2-Hexanone	10.75	43	74433	27.789	ug/l	93
60) Dibromochloromethane	10.90	129	23310	4.145	ug/l	100
61) 1,2-Dibromoethane	11.00	107	22912	4.512	ug/l	95
64) Tetrachloroethene	10.63	164	30413	4.580	ug/l	95
65) Chlorobenzene	11.43	112	70958	4.705	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	24481	4.468	ug/l	96
67) Ethyl Benzene	11.51	91	124670	4.987	ug/l	95
68) m/p-Xylenes	11.62	106	96452	9.871	ug/l	98
69) o-Xylene	11.95	106	46222	4.853	ug/l	97
70) Styrene	11.96	104	71056	4.757	ug/l	97
71) Bromoform	12.13	173	12873	3.550	ug/l #	99
73) Isopropylbenzene	12.25	105	121565	5.587	ug/l	100
74) N-amyl acetate	12.07	43	29565	6.121	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	26263	5.665	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	32110	8.028	ug/l #	100
77) Bromobenzene	12.53	156	29094	5.053	ug/l	89
78) n-propylbenzene	12.59	91	130321	5.519	ug/l	97
79) 2-Chlorotoluene	12.67	91	80879	5.697	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	97596	5.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	4422	3.779	ug/l #	61
82) 4-Chlorotoluene	12.77	91	75427	5.321	ug/l	98
83) tert-Butylbenzene	12.99	119	87972	5.280	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	94192	5.305	ug/l	98
85) sec-Butylbenzene	13.17	105	105040	4.862	ug/l	99
86) p-Isopropyltoluene	13.29	119	91055	4.804	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	45983	4.739	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	42979	4.509	ug/l	88
89) n-Butylbenzene	13.62	91	68208	4.736	ug/l	98
90) Hexachloroethane	13.88	117	13317	4.243	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	45016	4.746	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3512	4.895	ug/l	76

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Mar 20 12:08:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 12:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	16925	3.453	ug/l	99
94) Hexachlorobutadiene	15.01	225	15316	4.239	ug/l	96
95) Naphthalene	15.13	128	35917	3.562	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18012	3.574	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

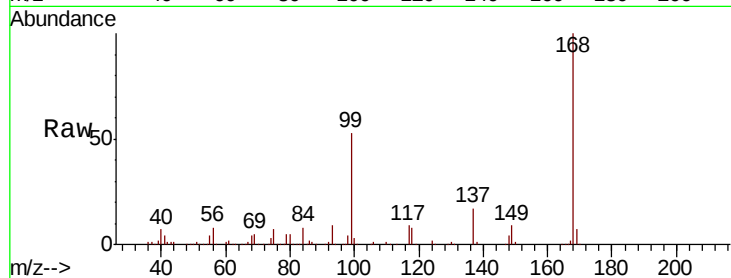
VSTDIC005

Tgt Ion: 168 Resp: 535803

Ion Ratio Lower Upper

168 100

99 52.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

150000

100000

50000

0

7.50

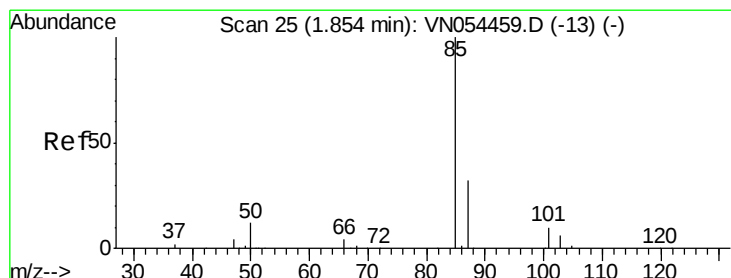
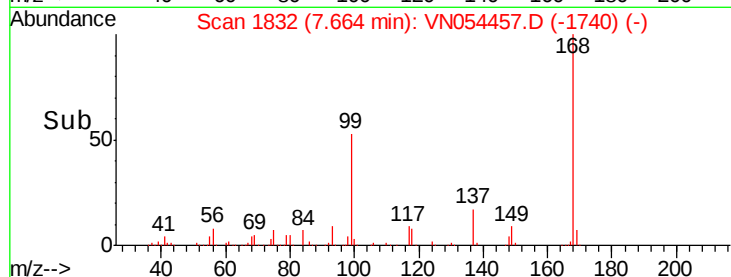
7.60

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.567 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054457.D

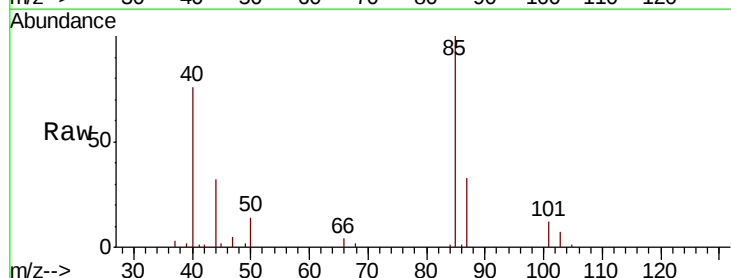
Acq: 20 Mar 2019 10:47

Tgt Ion: 85 Resp: 23191

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

15000

10000

5000

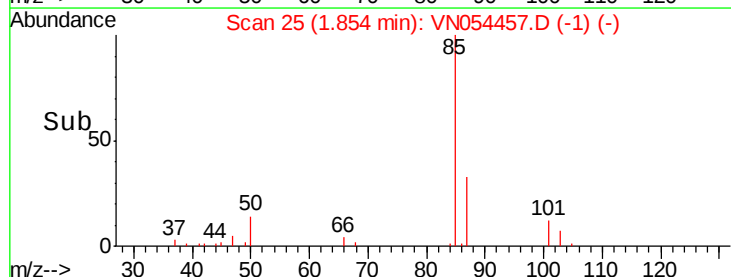
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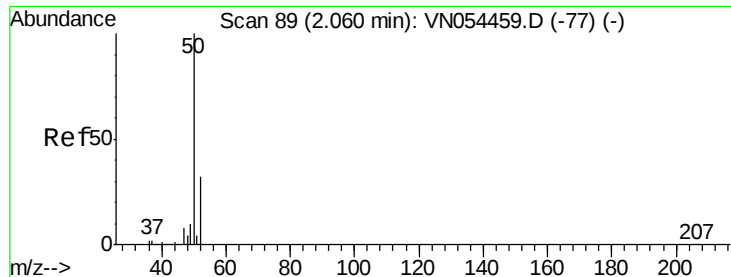
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 6.797 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

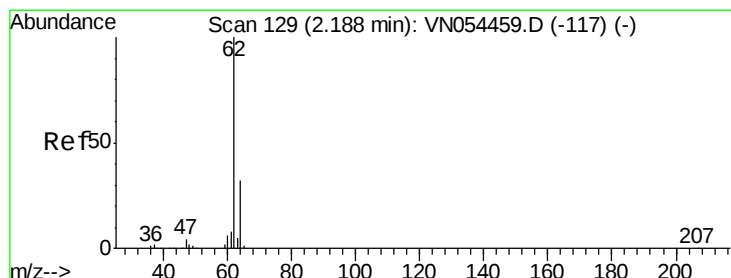
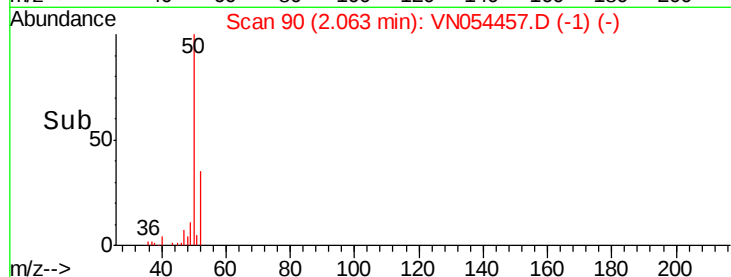
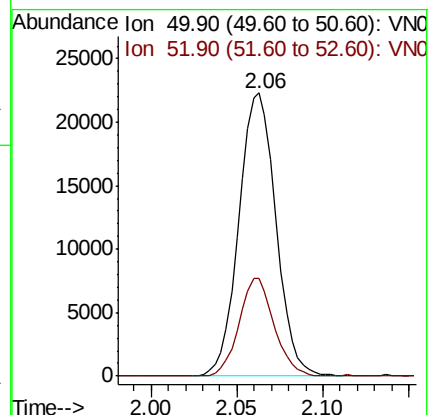
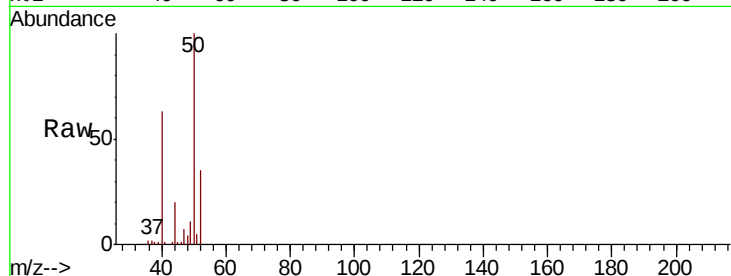
VSTDIC005

Tgt Ion: 50 Resp: 33526

Ion Ratio Lower Upper

50 100

52 34.8 26.4 39.6



#4

Vinyl Chloride

Concen: 5.905 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054457.D

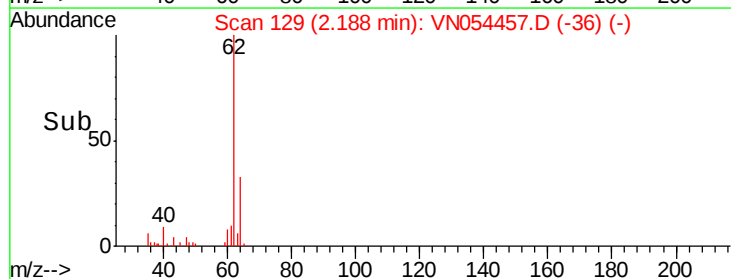
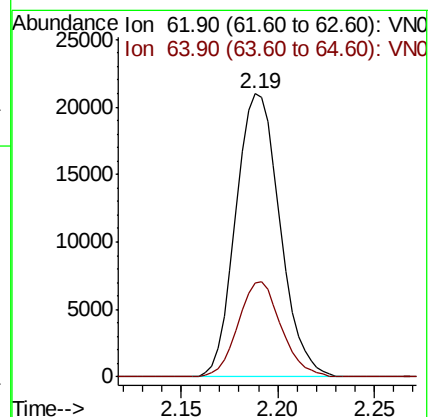
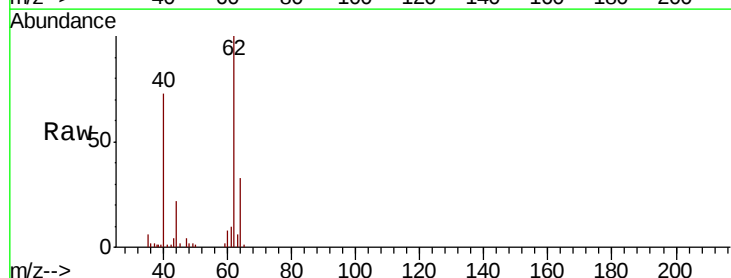
Acq: 20 Mar 2019 10:47

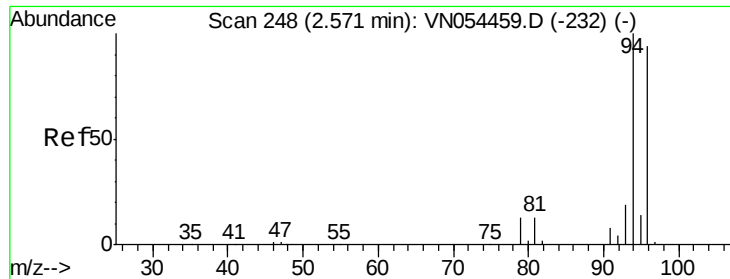
Tgt Ion: 62 Resp: 33290

Ion Ratio Lower Upper

62 100

64 33.3 25.5 38.3





#5

Bromomethane

Concen: 5.702 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

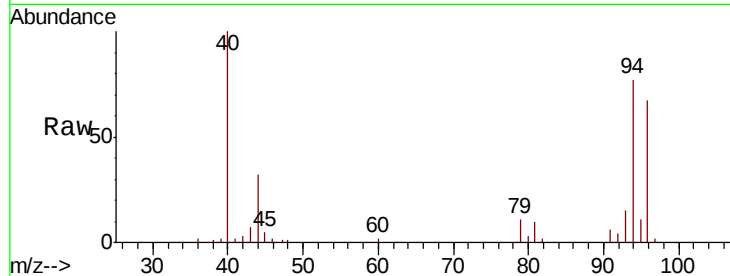
VSTDIC005

Tgt Ion: 94 Resp: 22265

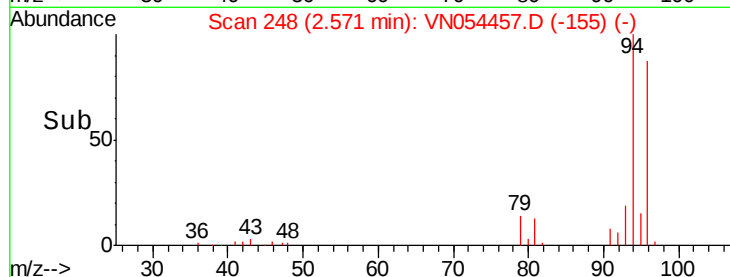
Ion Ratio Lower Upper

94 100

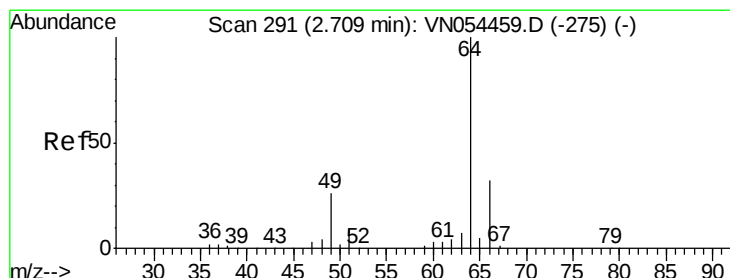
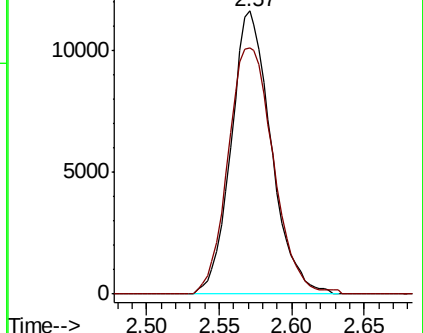
96 87.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054457.D (-155) (-)



Ion 95.90 (95.60 to 96.60): VN054457.D (-155) (-)



#6

Chloroethane

Concen: 6.226 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054457.D

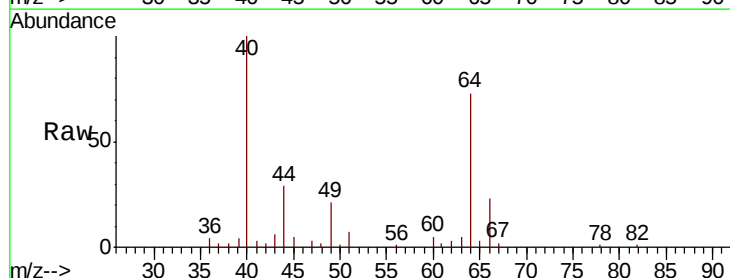
Acq: 20 Mar 2019 10:47

Tgt Ion: 64 Resp: 21239

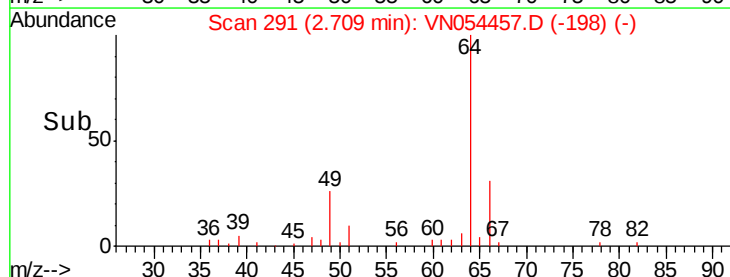
Ion Ratio Lower Upper

64 100

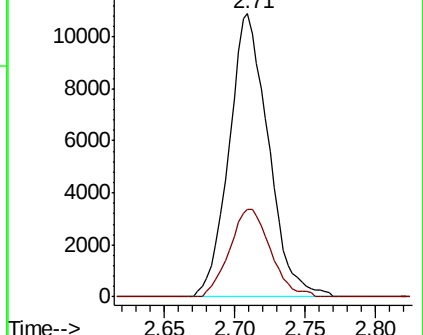
66 31.1 25.7 38.5

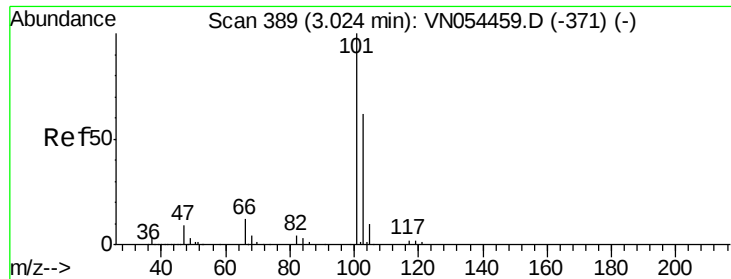


Abundance Ion 63.90 (63.60 to 64.60): VN054457.D (-198) (-)



Ion 65.90 (65.60 to 66.60): VN054457.D (-198) (-)



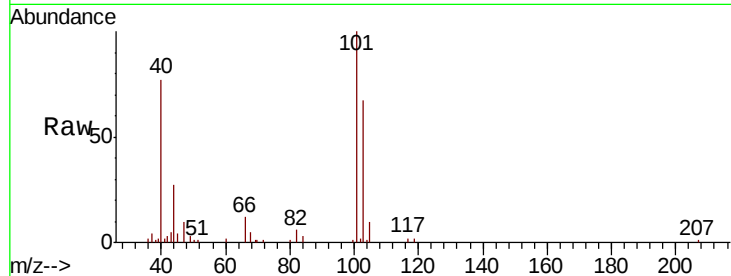


#7

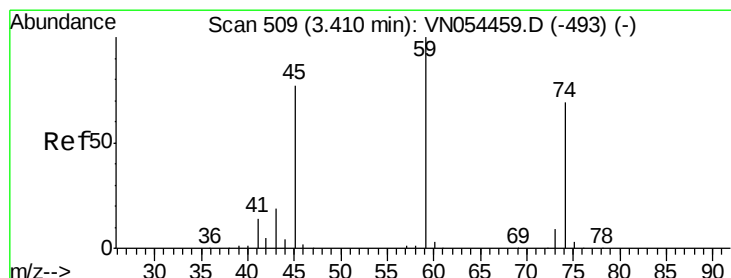
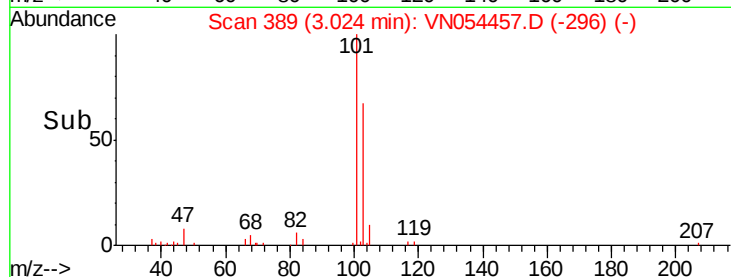
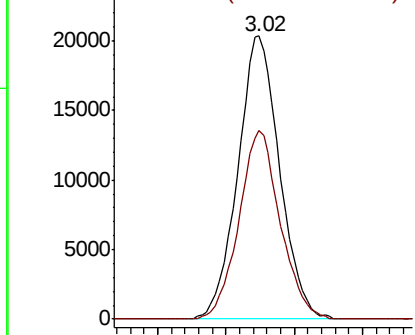
Trichlorofluoromethane
 Concen: 5.753 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054457.D
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Instrument :
 MSVOA_N
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 VSTDIC005

Tgt Ion:101 Resp: 43122
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.4 77.2



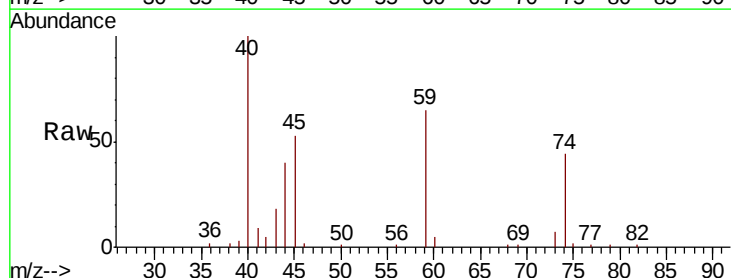
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



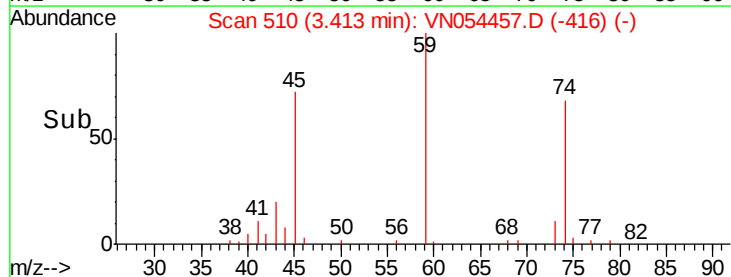
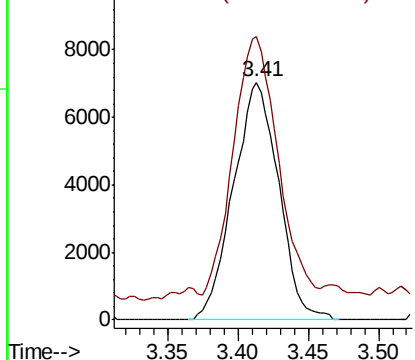
#8

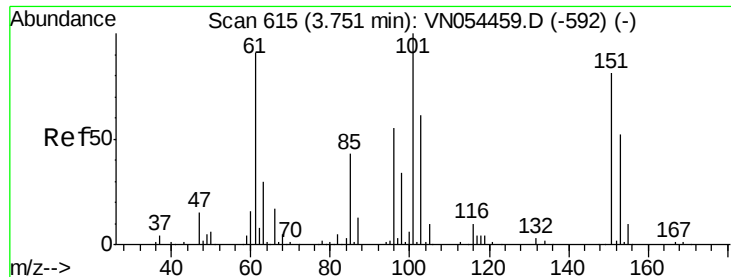
Diethyl Ether
 Concen: 4.641 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion: 74 Resp: 15854
 Ion Ratio Lower Upper
 74 100
 45 106.3 43.1 129.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.593 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

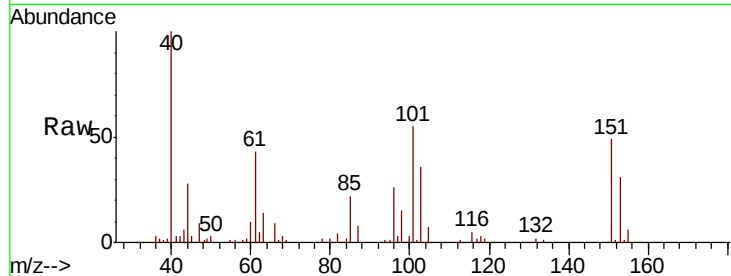
Tgt Ion:101 Resp: 25799

Ion Ratio Lower Upper

101 100

85 44.6 32.4 48.6

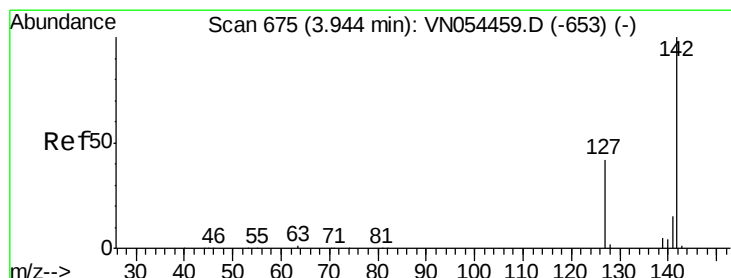
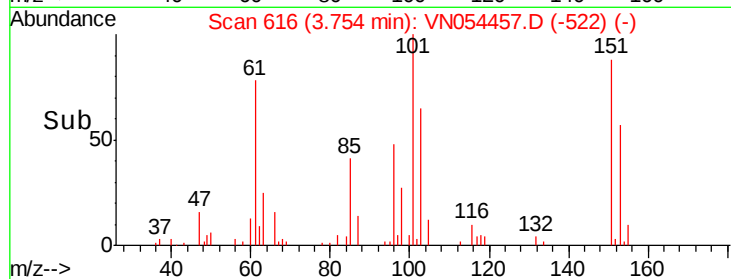
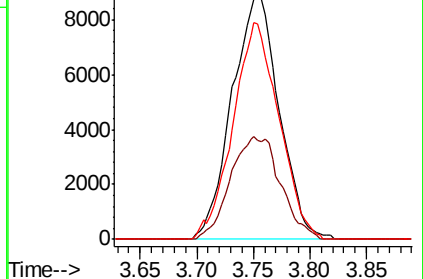
151 86.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.295 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

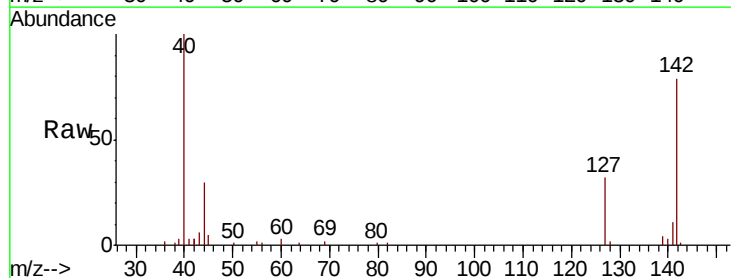
Tgt Ion:142 Resp: 31737

Ion Ratio Lower Upper

142 100

127 41.6 30.3 45.5

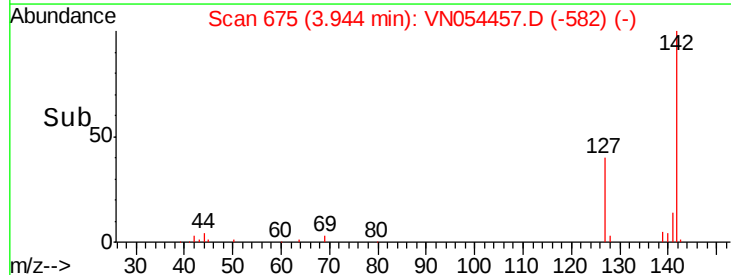
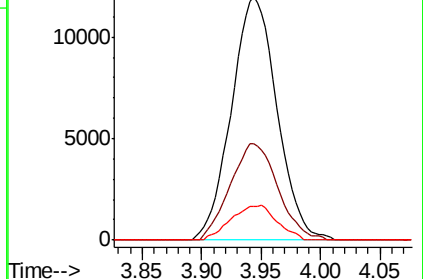
141 14.5 11.2 16.8

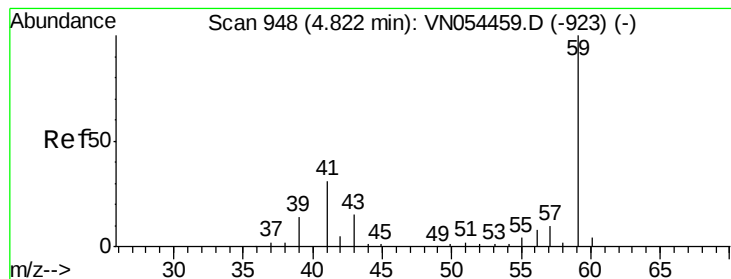


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



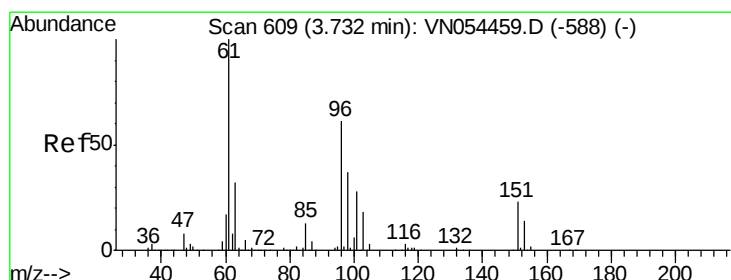
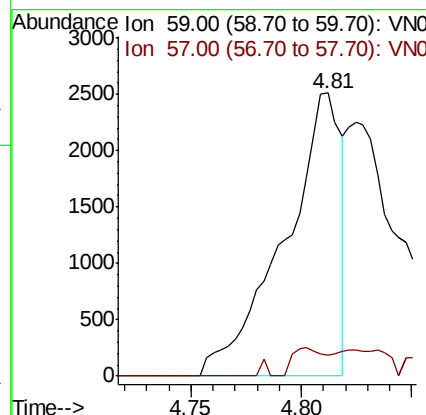
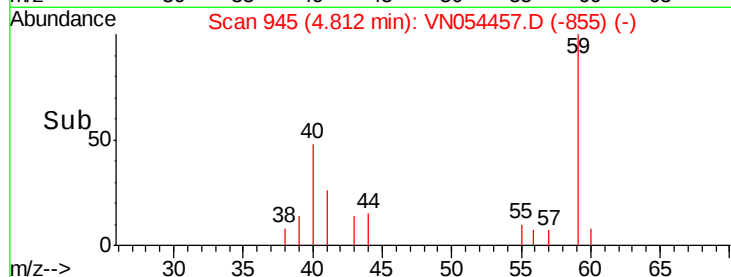
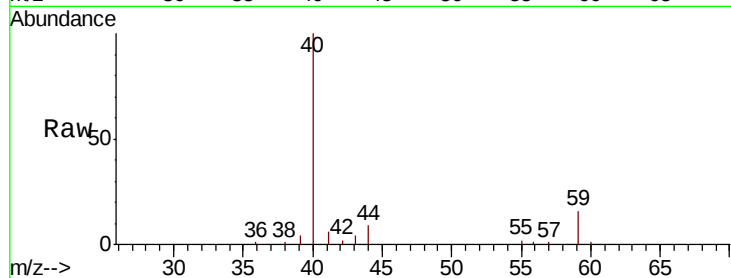


#11

Tert butyl alcohol
 Concen: 11.477 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

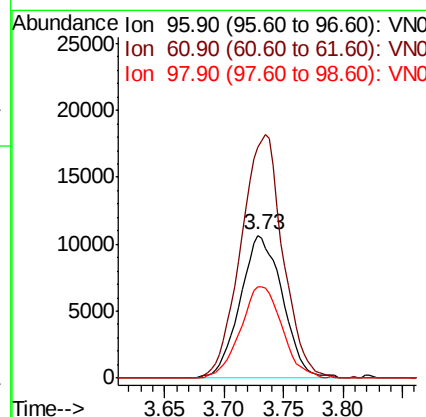
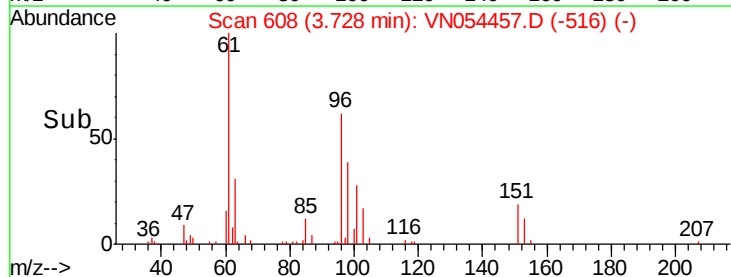
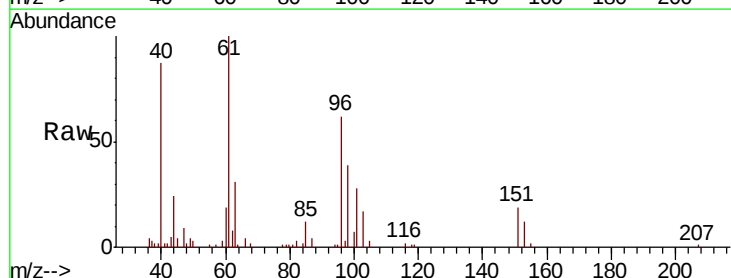
Tgt Ion: 59 Resp: 4477
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

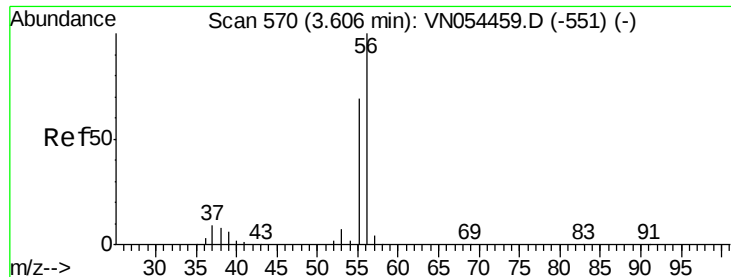


#12

1,1-Dichloroethene
 Concen: 4.721 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion: 96 Resp: 26277
 Ion Ratio Lower Upper
 96 100
 61 162.2 116.5 174.7
 98 63.8 51.0 76.4

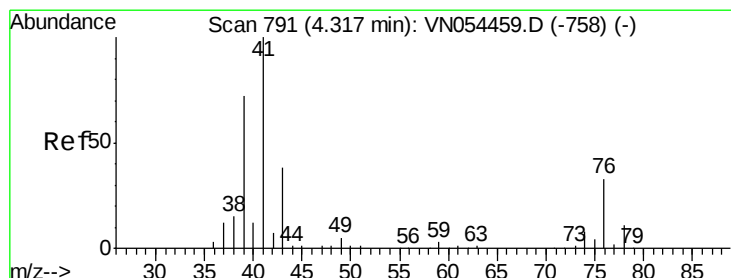
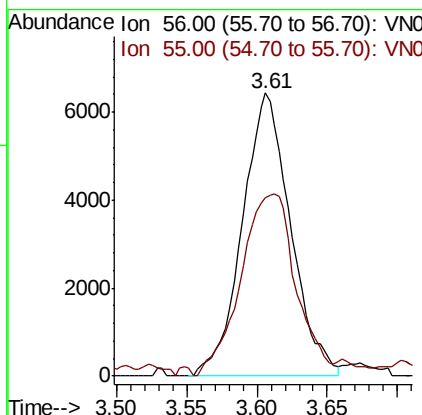
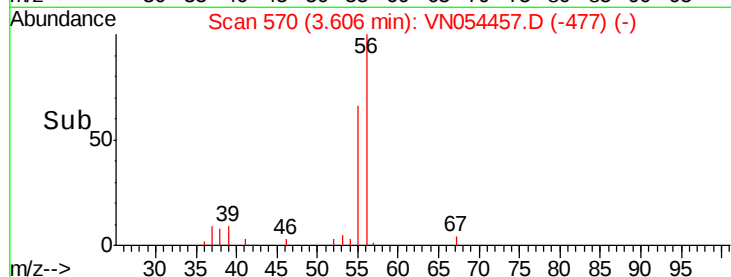
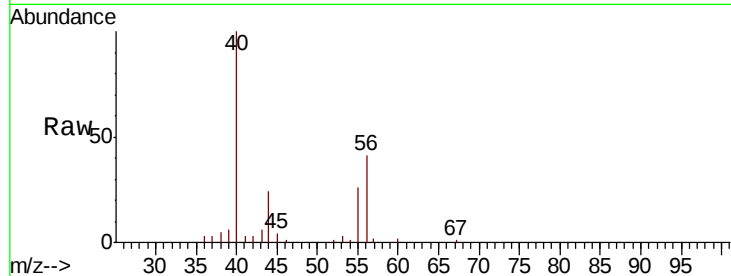




#13
Acrolein
Concen: 41.545 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

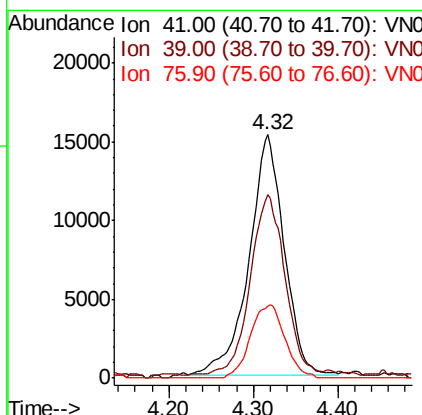
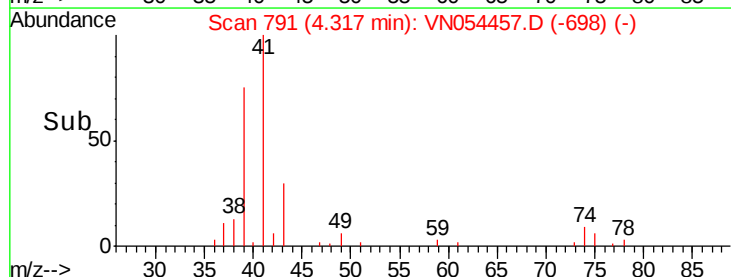
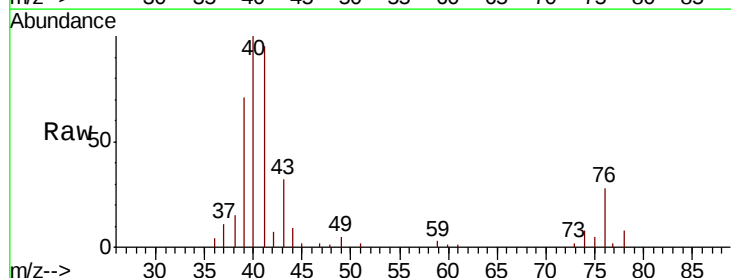
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

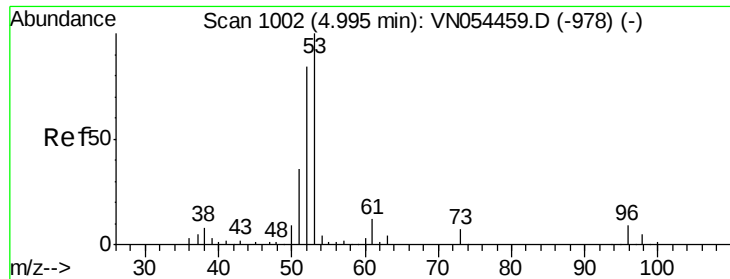
Tgt Ion: 56 Resp: 15357
Ion Ratio Lower Upper
56 100
55 73.5 56.7 85.1



#14
Allyl chloride
Concen: 6.125 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 41 Resp: 43745
Ion Ratio Lower Upper
41 100
39 73.0 58.2 87.4
76 30.2 31.7 47.5#





#15

Acrylonitrile

Concen: 28.855 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

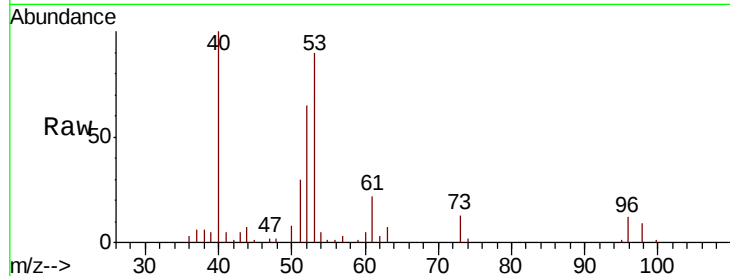
Tgt Ion: 53 Resp: 46237

Ion Ratio Lower Upper

53 100

52 80.2 66.4 99.6

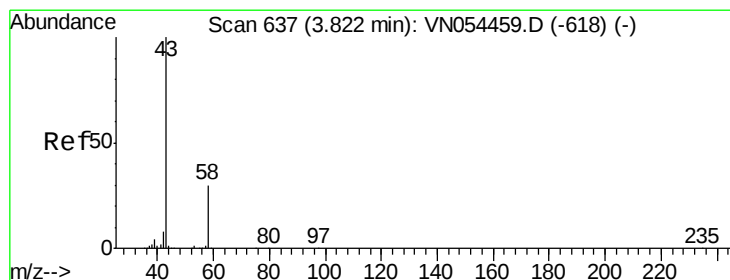
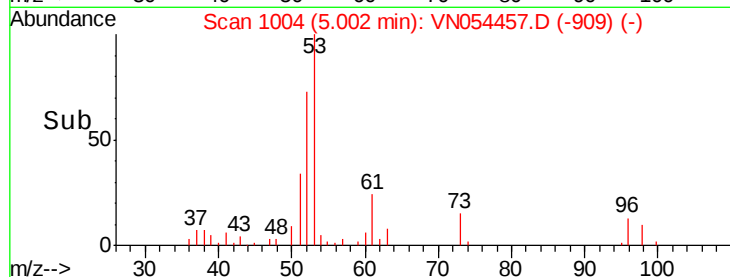
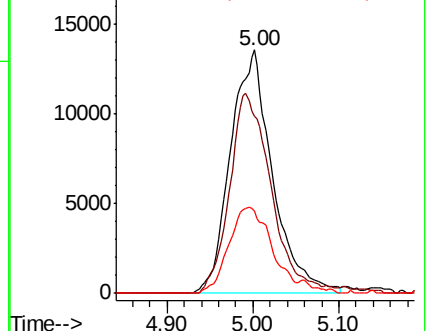
51 35.5 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN054459.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN054459.D (-978) (-)



#16

Acetone

Concen: 28.262 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054457.D

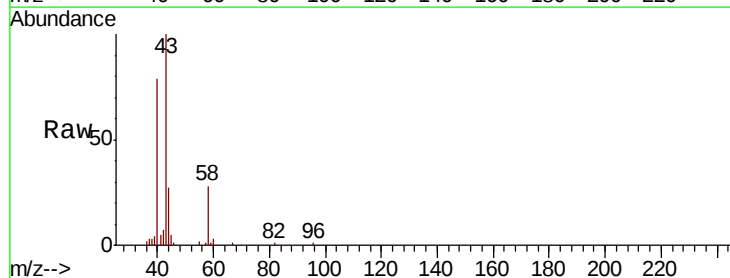
Acq: 20 Mar 2019 10:47

Tgt Ion: 43 Resp: 46046

Ion Ratio Lower Upper

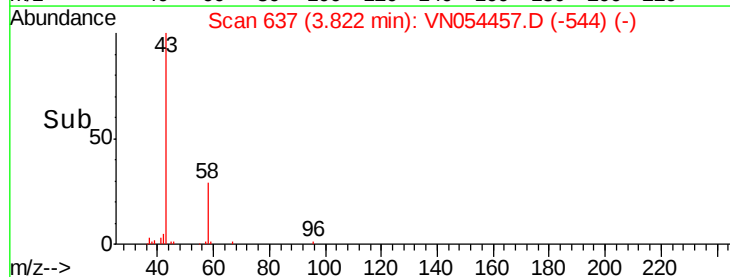
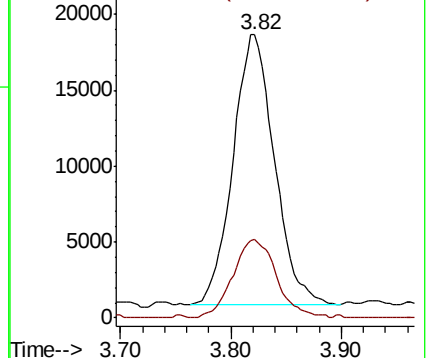
43 100

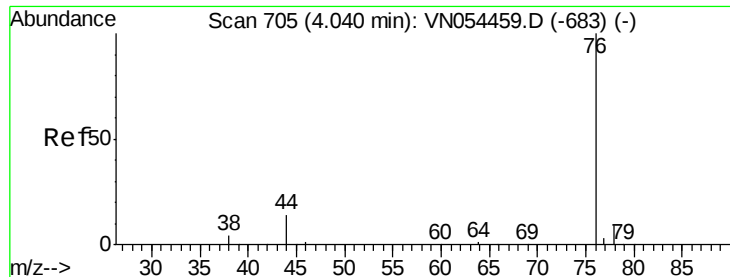
58 29.2 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-618) (-)

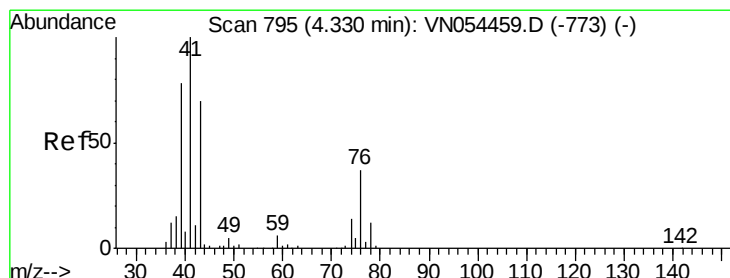
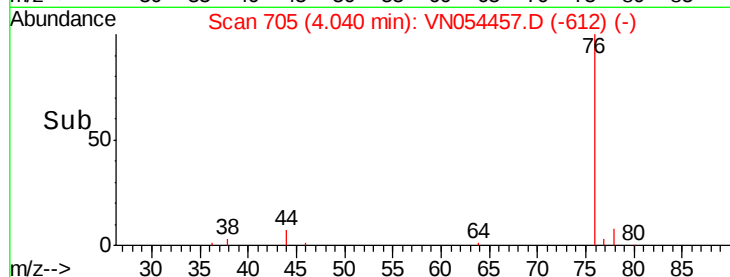
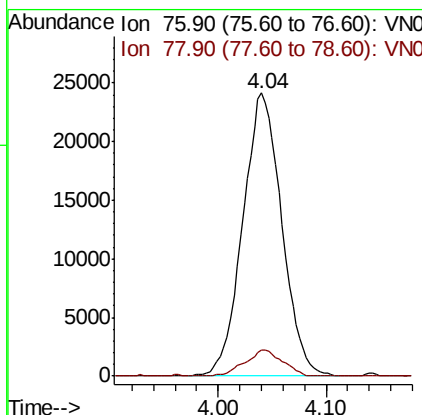
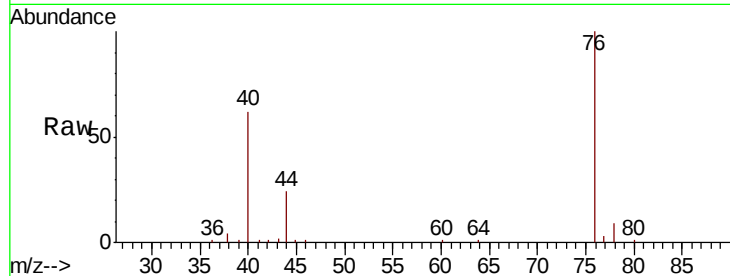




#17
Carbon Disulfide
Concen: 4.339 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

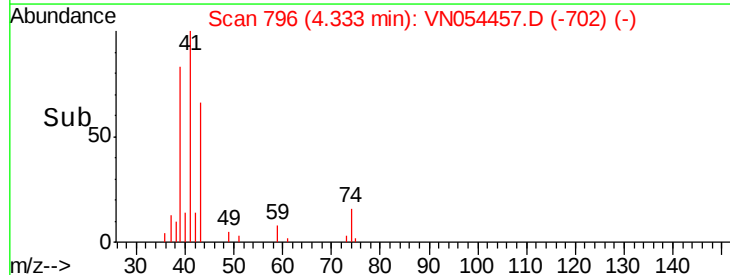
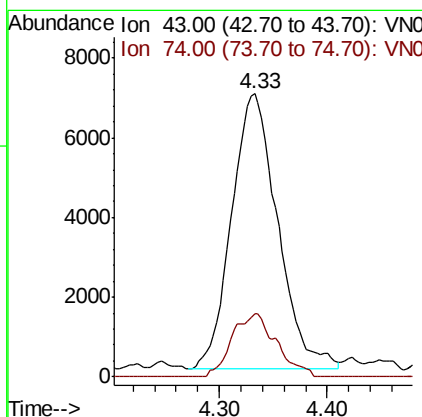
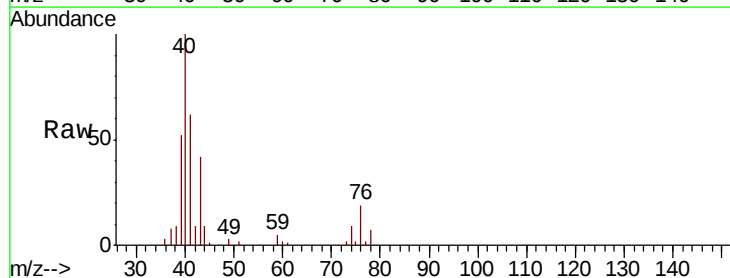
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

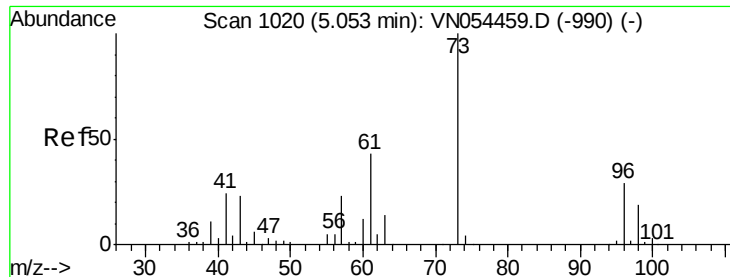
Tgt Ion: 76 Resp: 60542
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 6.210 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 43 Resp: 20470
Ion Ratio Lower Upper
43 100
74 22.2 20.8 31.2

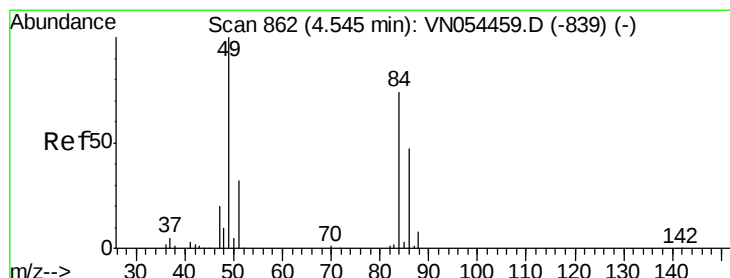
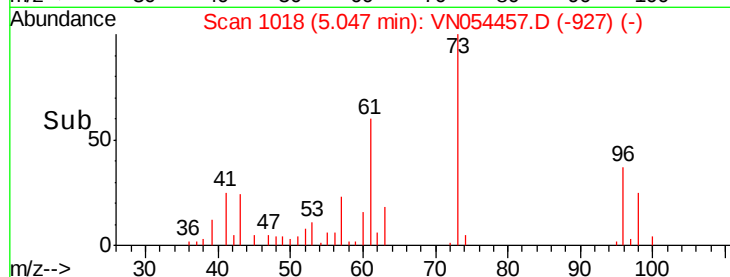
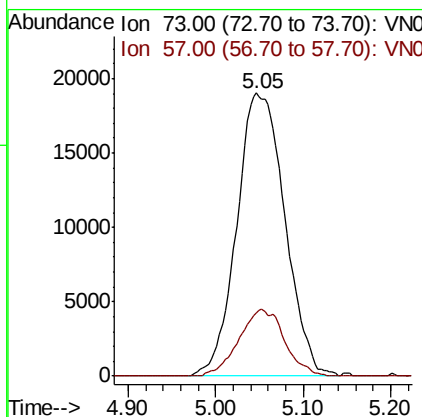
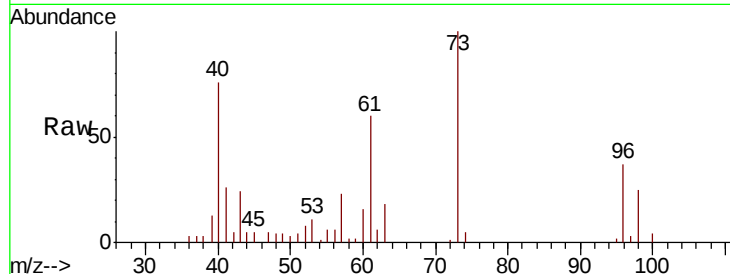




#19
Methyl tert-butyl Ether
Concen: 5.251 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

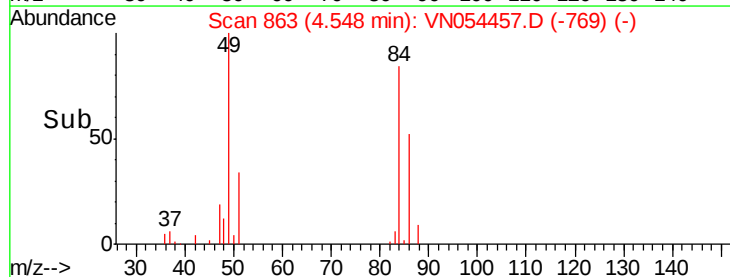
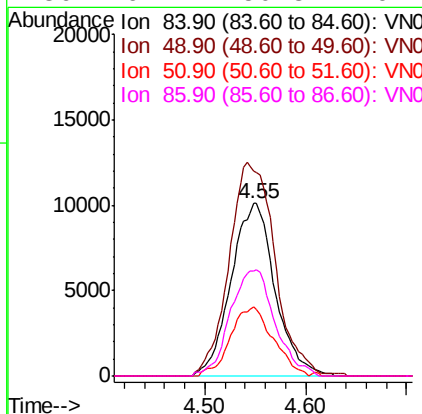
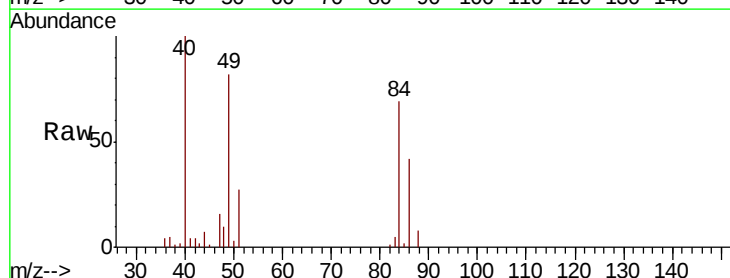
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

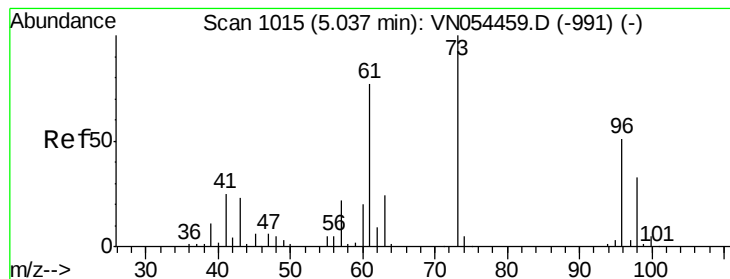
Tgt Ion: 73 Resp: 72457
Ion Ratio Lower Upper
73 100
57 22.5 16.8 25.2



#20
Methylene Chloride
Concen: 5.719 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 84 Resp: 30597
Ion Ratio Lower Upper
84 100
49 118.4 89.7 134.5
51 39.9 28.2 42.4
86 61.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 4.810 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

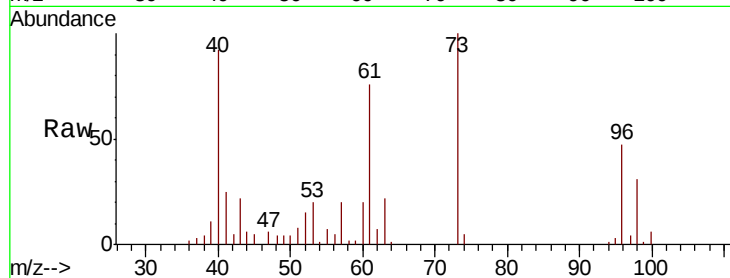
Tgt Ion: 96 Resp: 25656

Ion Ratio Lower Upper

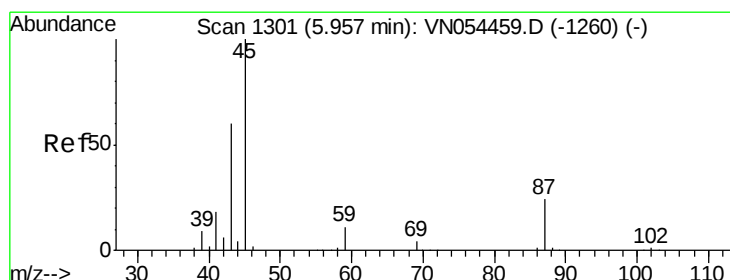
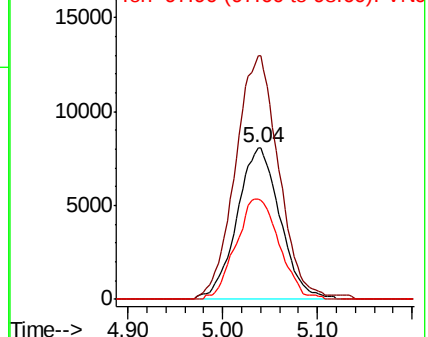
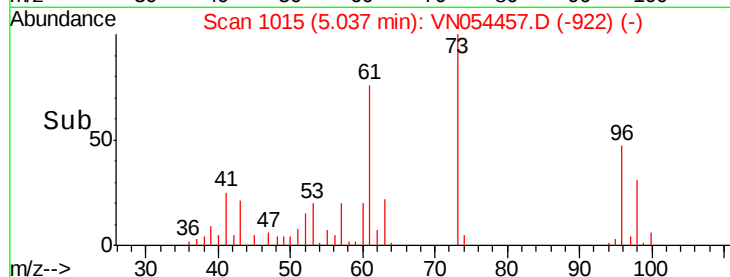
96 100

61 160.2 102.8 154.2#

98 65.9 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054457.D (-922) (-)



#22

Diisopropyl ether

Concen: 6.484 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Tgt Ion: 45 Resp: 92422

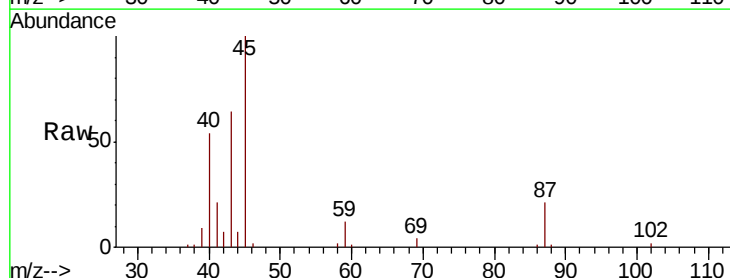
Ion Ratio Lower Upper

45 100

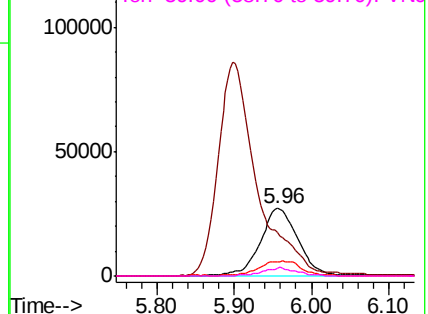
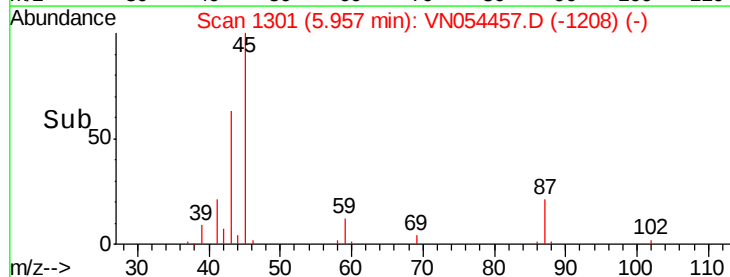
43 61.8 48.2 72.2

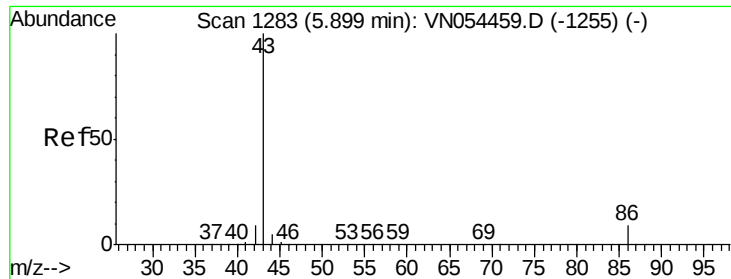
87 20.5 24.9 37.3#

59 11.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN054457.D (-1208) (-)





#23

Vinyl Acetate

Concen: 28.715 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

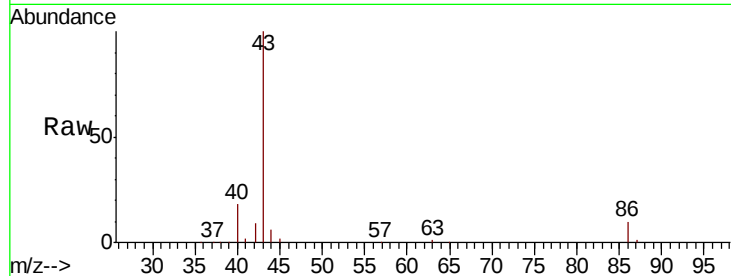
VSTDIC005

Tgt Ion: 43 Resp: 301783

Ion Ratio Lower Upper

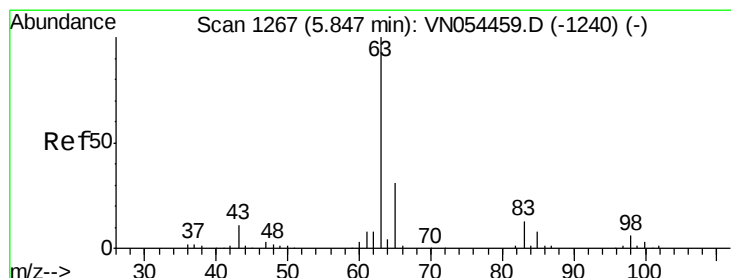
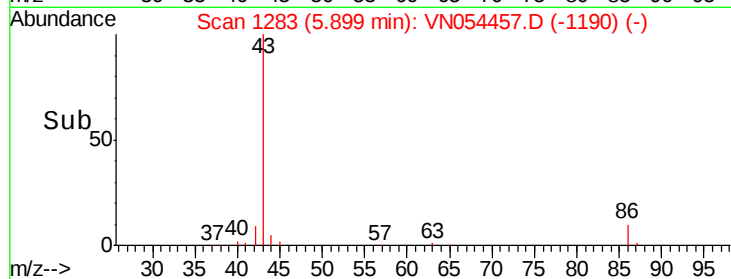
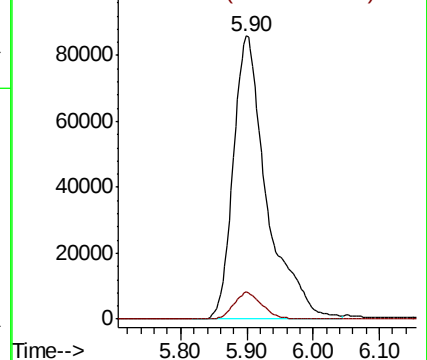
43 100

86 9.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.616 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

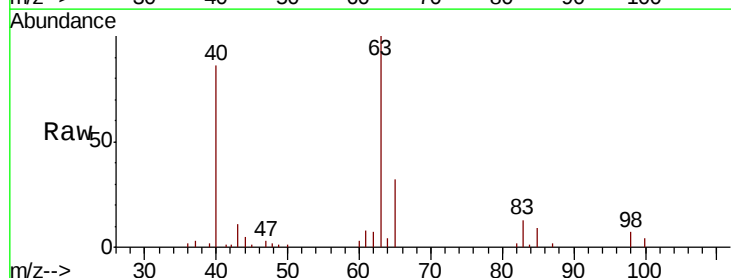
Tgt Ion: 63 Resp: 51399

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

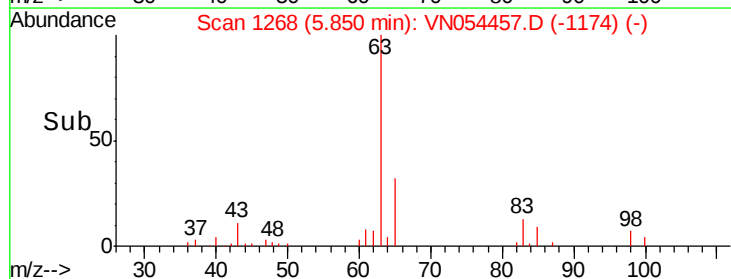
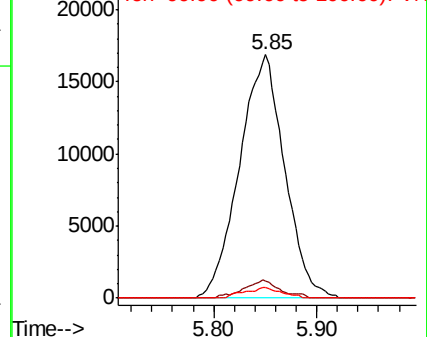
100 4.1 2.0 6.0

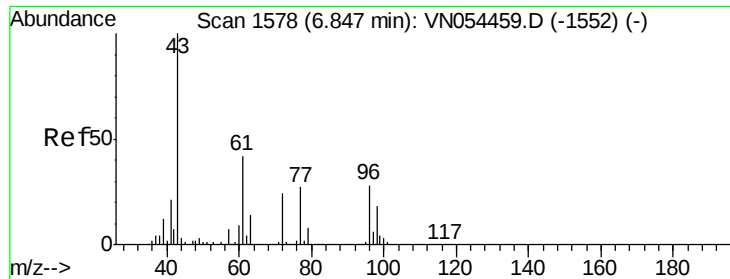


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 31.433 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

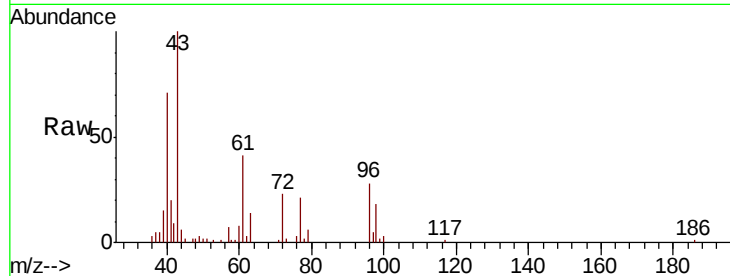
VSTDIC005

Tgt Ion: 43 Resp: 60107

Ion Ratio Lower Upper

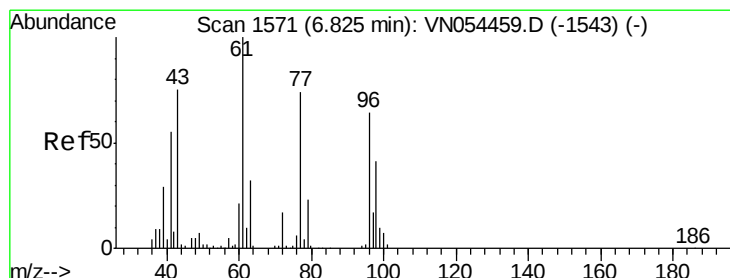
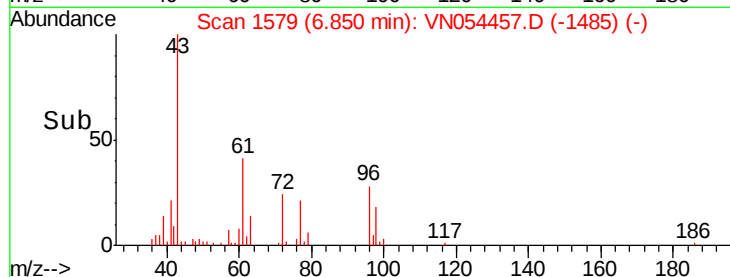
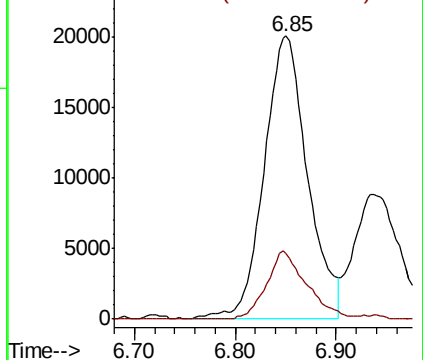
43 100

72 23.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 4.170 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054457.D

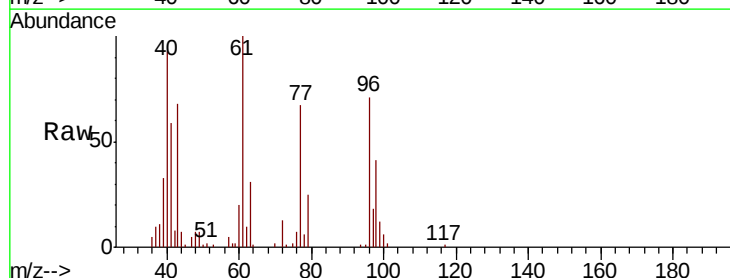
Acq: 20 Mar 2019 10:47

Tgt Ion: 77 Resp: 33562

Ion Ratio Lower Upper

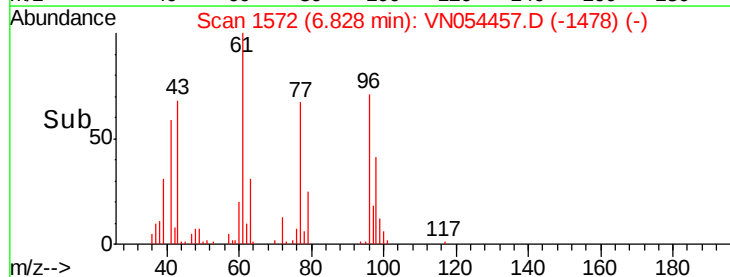
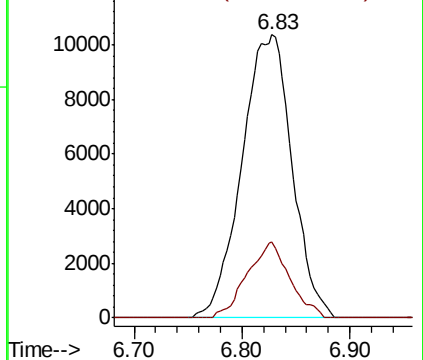
77 100

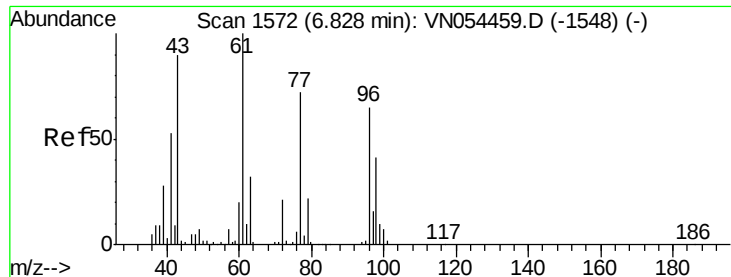
97 22.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.289 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

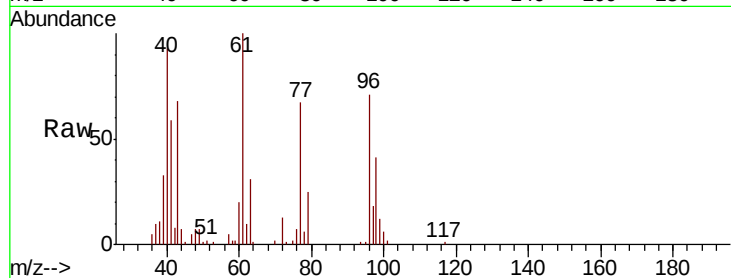
Tgt Ion: 96 Resp: 31467

Ion Ratio Lower Upper

96 100

61 146.6 0.0 273.0

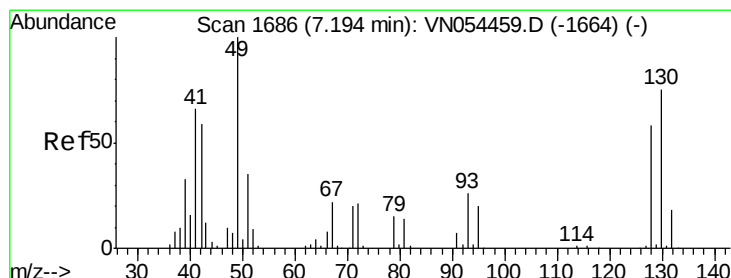
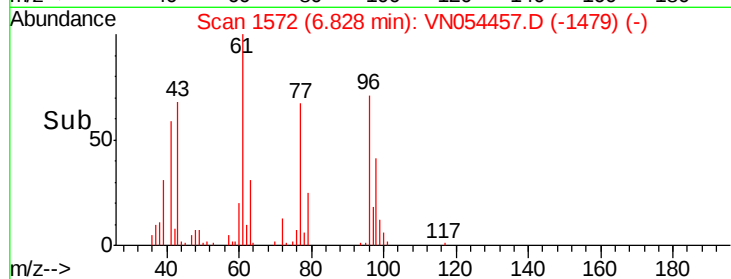
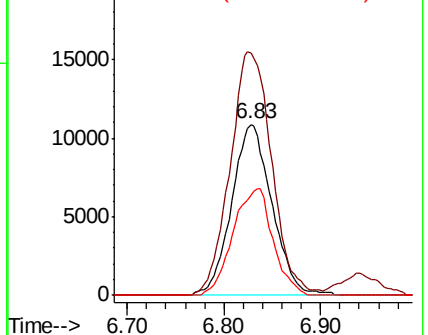
98 61.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 6.434 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

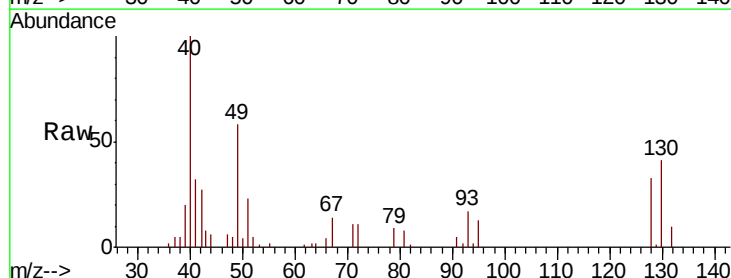
Tgt Ion: 49 Resp: 24072

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.6

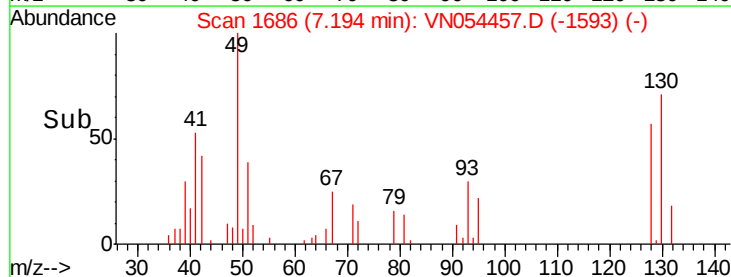
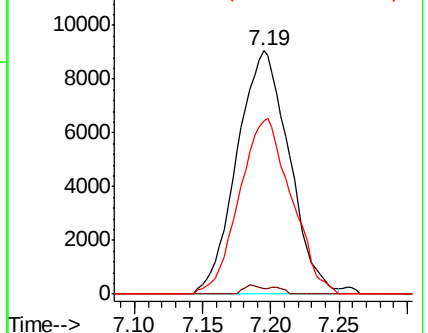
130 71.9 76.7 115.1#

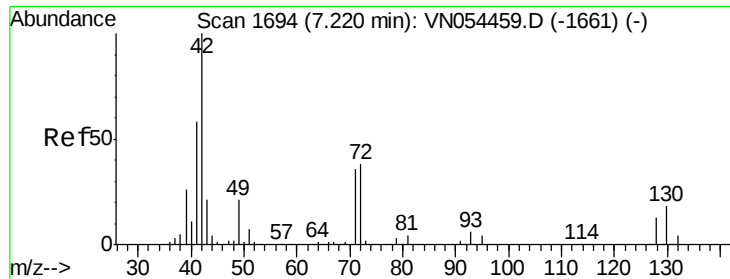


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 32.993 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

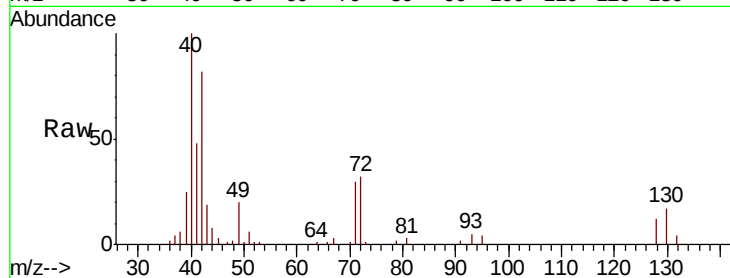
Tgt Ion: 42 Resp: 40565

Ion Ratio Lower Upper

42 100

72 35.9 37.8 56.6#

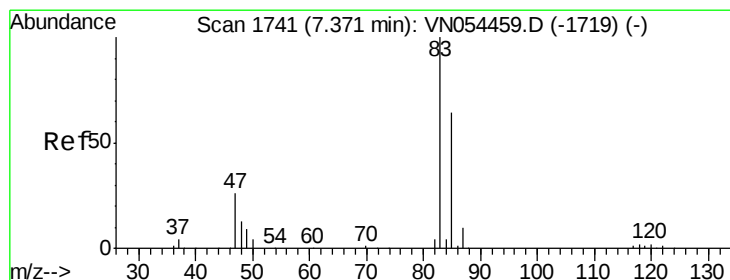
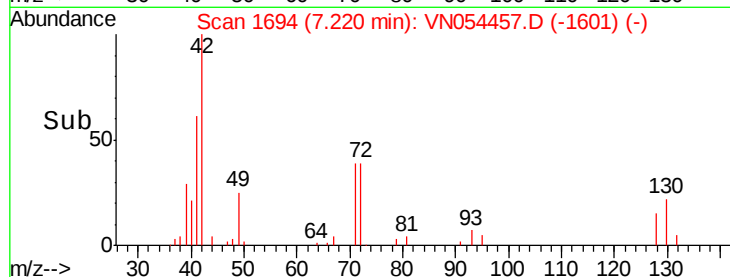
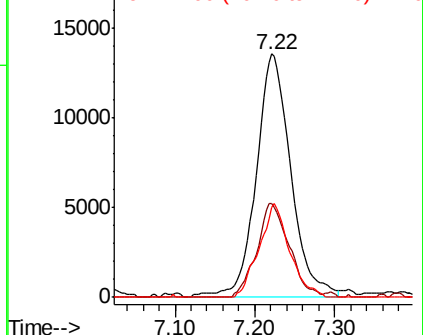
71 33.6 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 5.244 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN054457.D

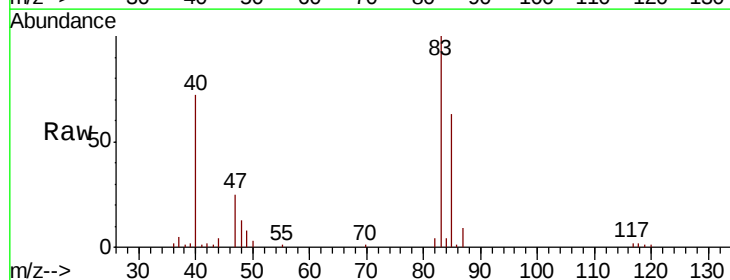
Acq: 20 Mar 2019 10:47

Tgt Ion: 83 Resp: 50083

Ion Ratio Lower Upper

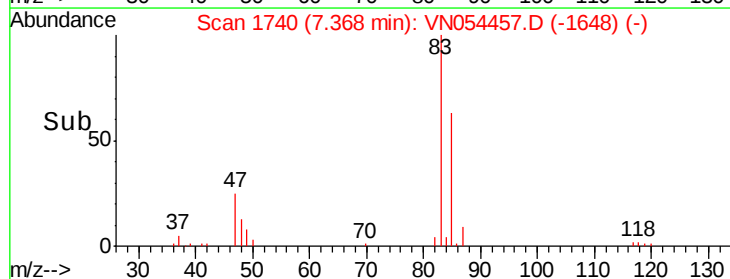
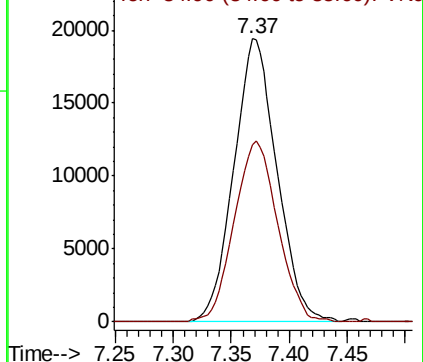
83 100

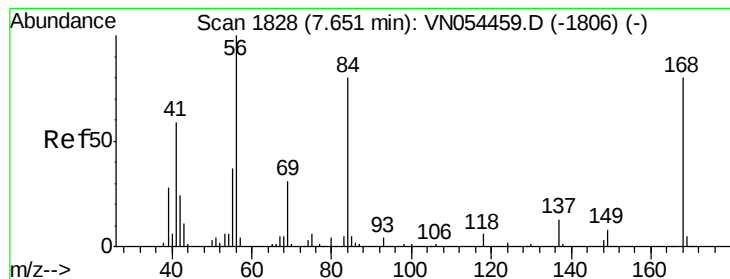
85 62.6 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.880 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

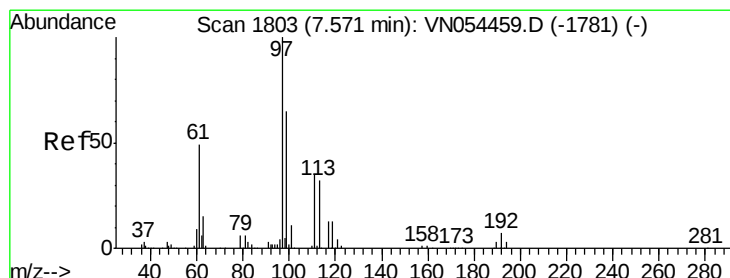
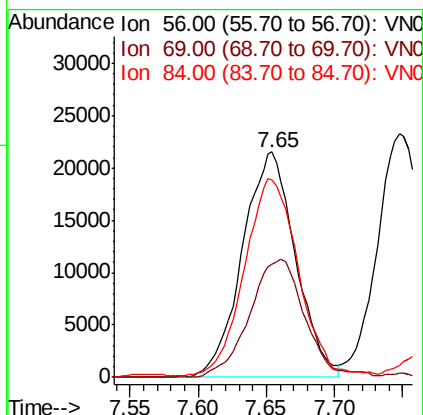
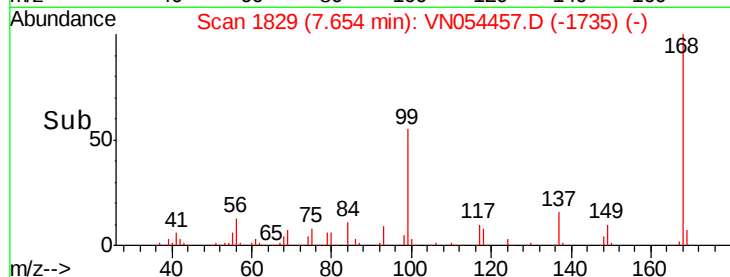
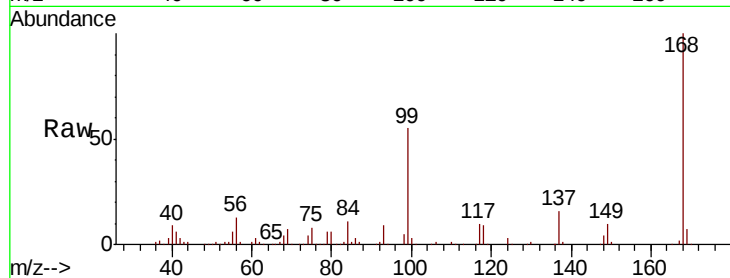
Tgt Ion: 56 Resp: 57925

Ion Ratio Lower Upper

56 100

69 50.1 27.8 41.6#

84 86.7 74.6 111.8



#32

1,1,1-Trichloroethane

Concen: 4.712 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

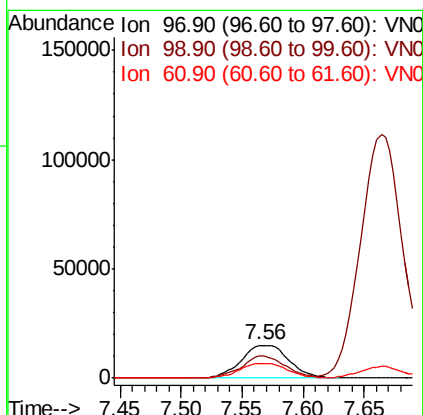
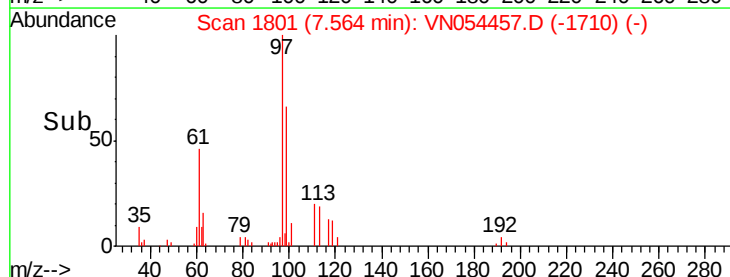
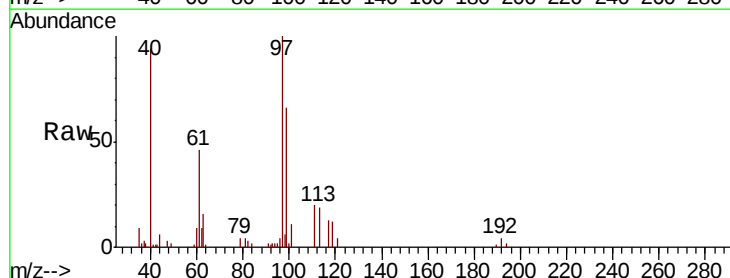
Tgt Ion: 97 Resp: 40645

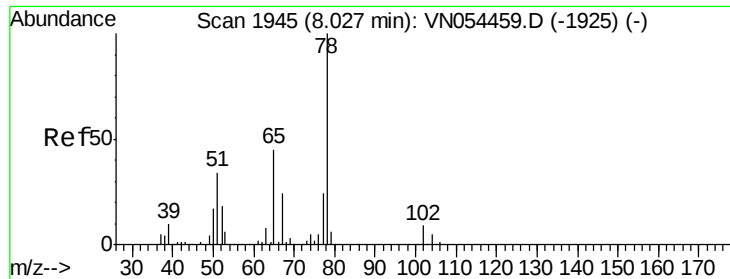
Ion Ratio Lower Upper

97 100

99 62.0 51.5 77.3

61 46.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 5.754 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

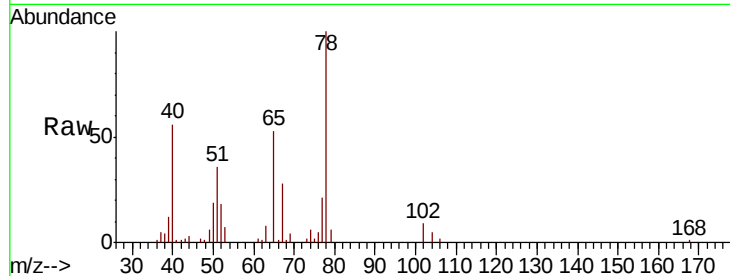
VSTDIC005

Tgt Ion: 65 Resp: 32742

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

15000

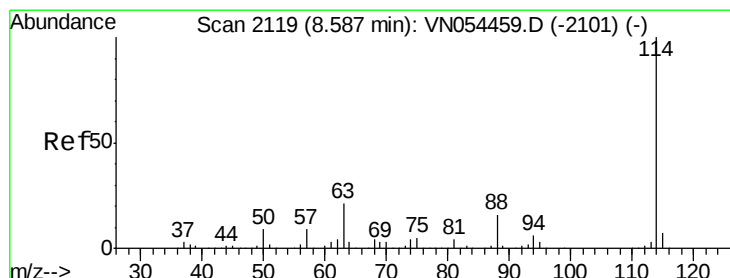
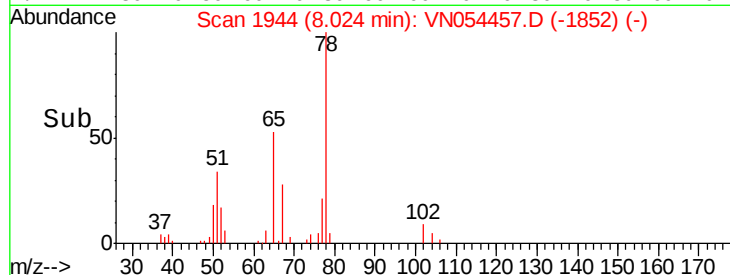
10000

5000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

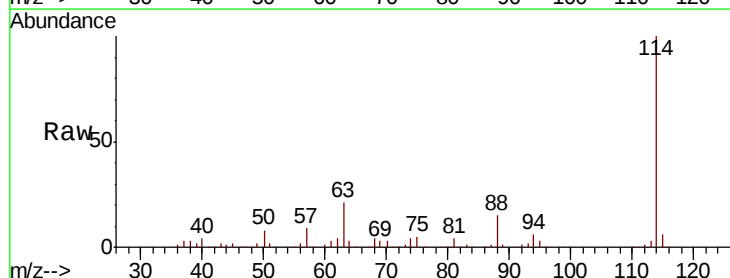
Tgt Ion: 114 Resp: 818966

Ion Ratio Lower Upper

114 100

63 21.1 0.0 35.2

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

500000

400000

300000

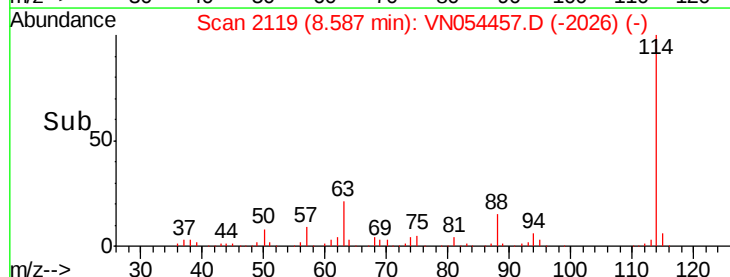
200000

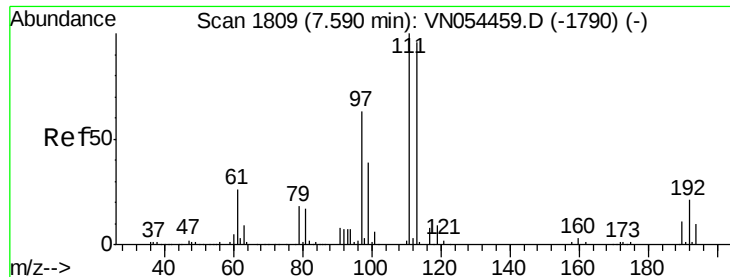
100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 4.915 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

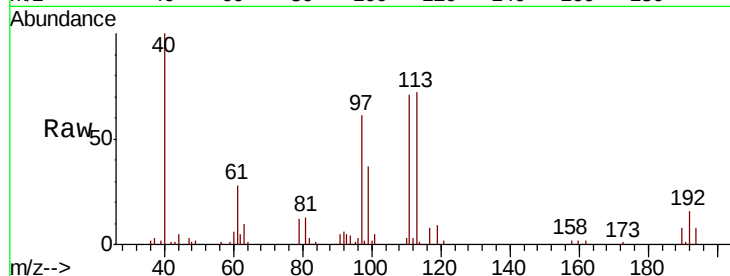
Tgt Ion:113 Resp: 25961

Ion Ratio Lower Upper

113 100

111 98.4 82.2 123.4

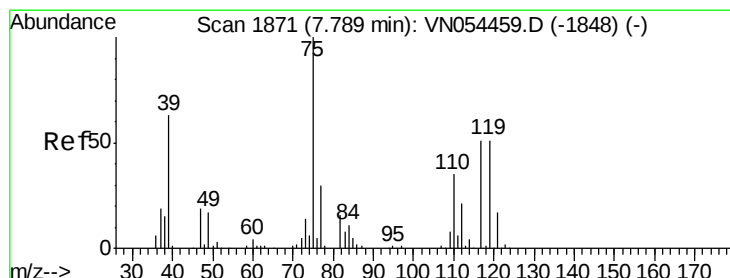
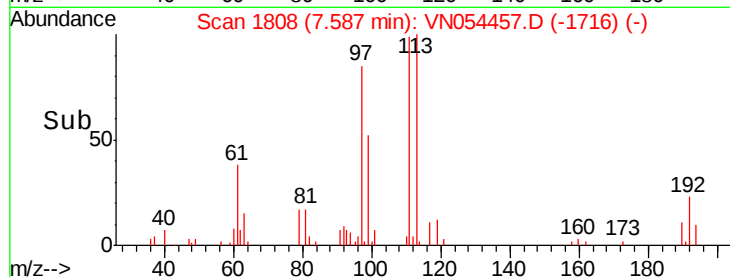
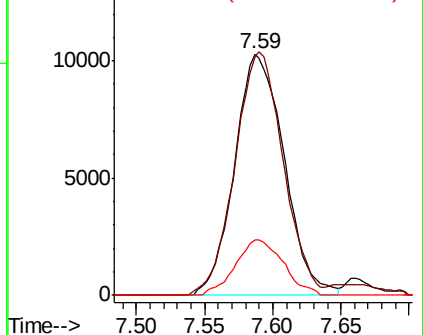
192 22.2 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.759 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

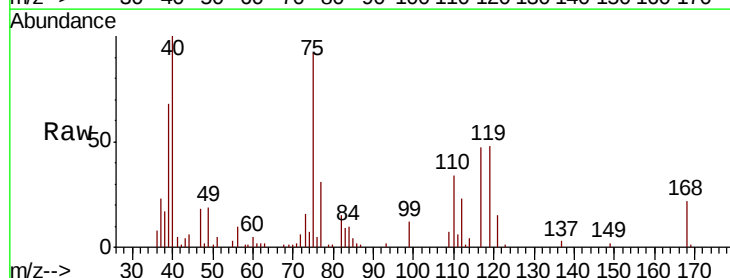
Tgt Ion: 75 Resp: 35892

Ion Ratio Lower Upper

75 100

110 36.8 19.1 57.5

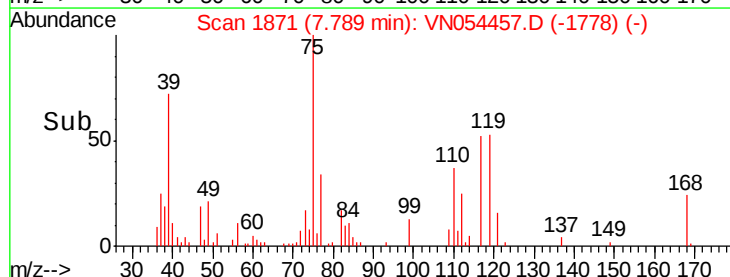
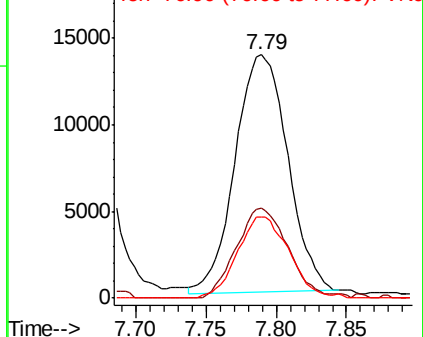
77 33.5 25.0 37.4

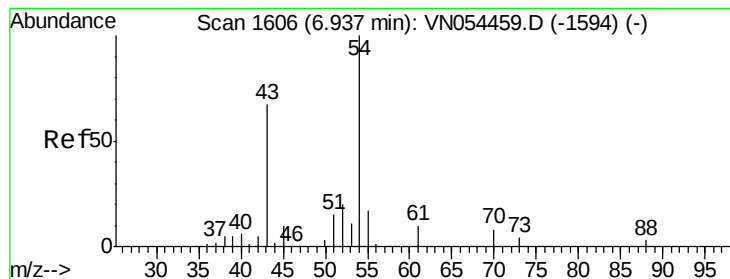


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 6.138 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

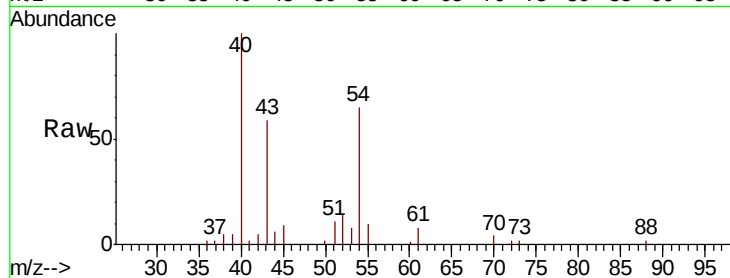
Tgt Ion: 43 Resp: 26598

Ion Ratio Lower Upper

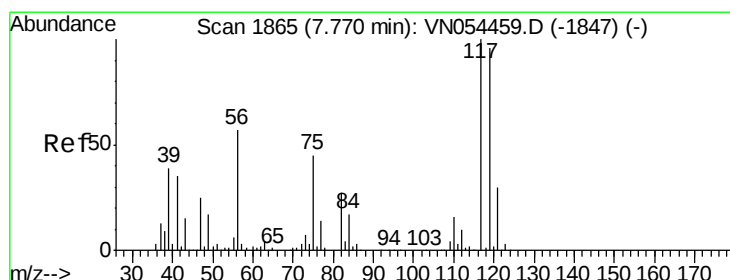
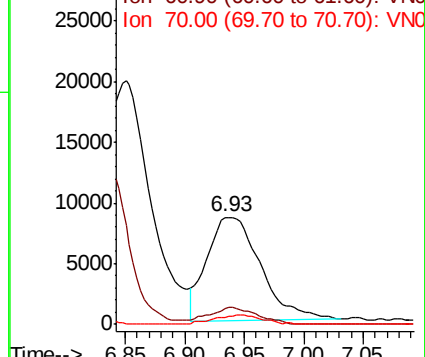
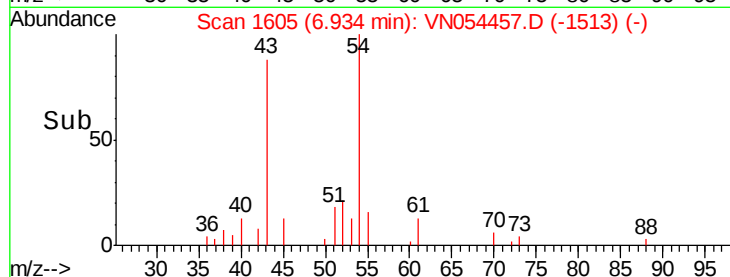
43 100

61 14.9 11.8 17.6

70 7.9 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054457.D (-1513) (-)



#38

Carbon Tetrachloride

Concen: 4.417 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

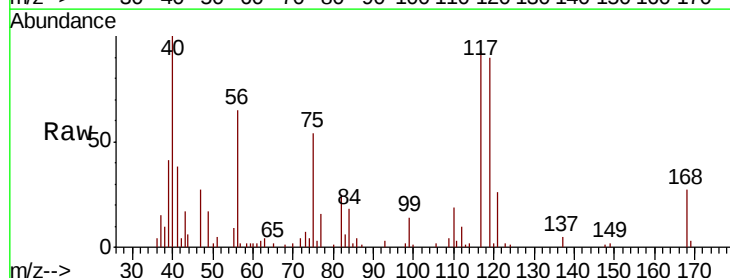
Tgt Ion: 117 Resp: 34932

Ion Ratio Lower Upper

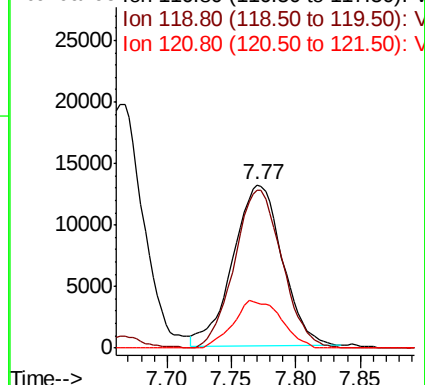
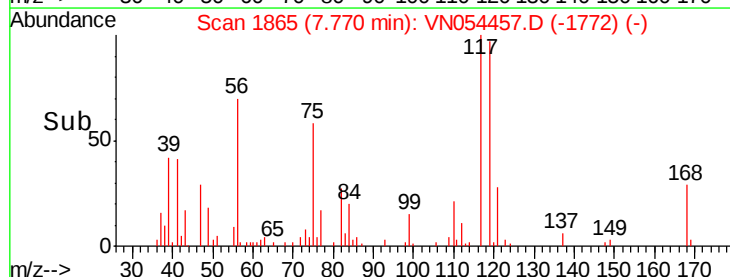
117 100

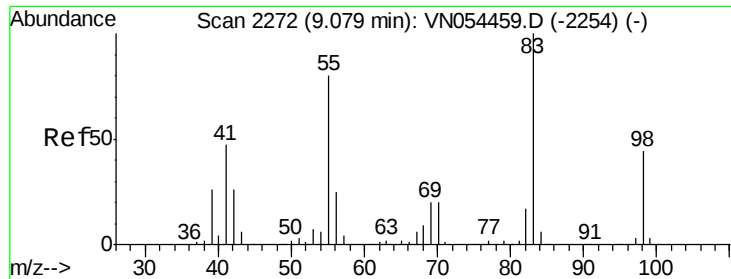
119 98.4 76.3 114.5

121 28.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VN054457.D (-1772) (-)

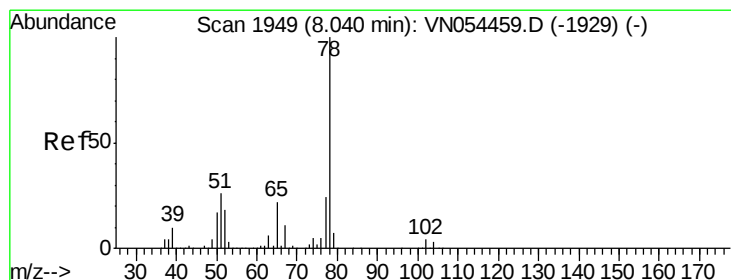
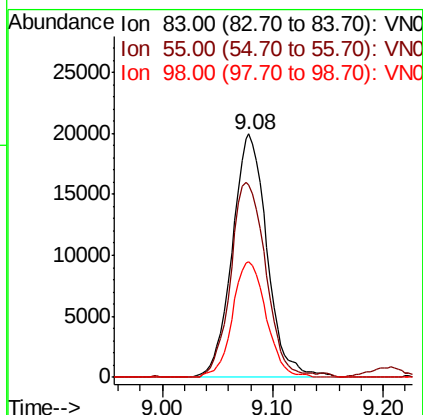
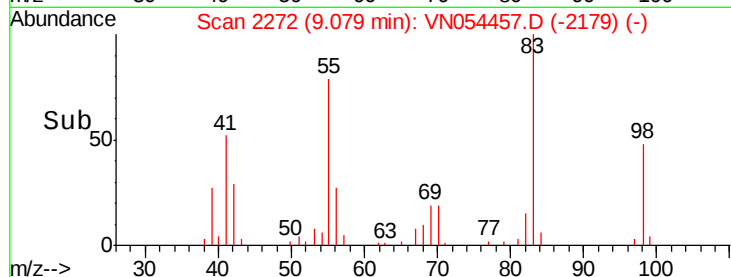
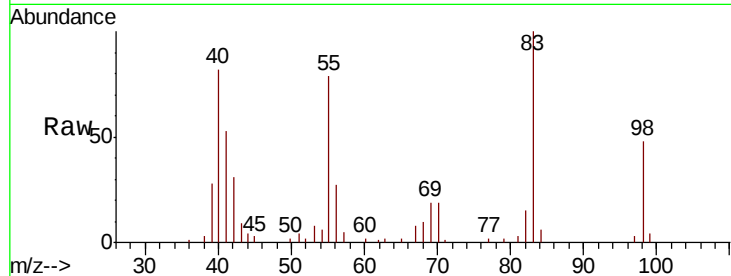




#39
Methylcyclohexane
Concen: 4.696 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

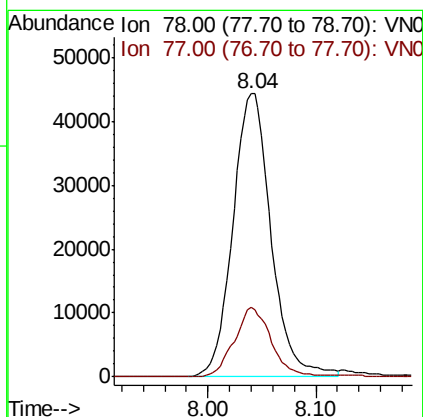
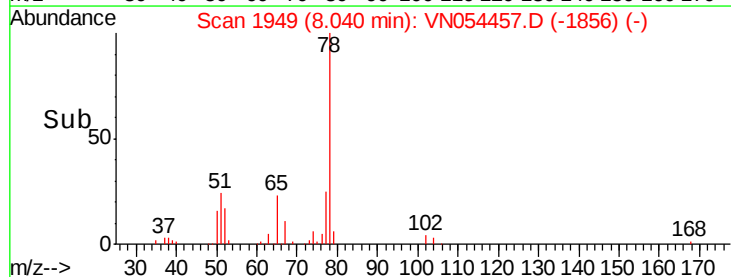
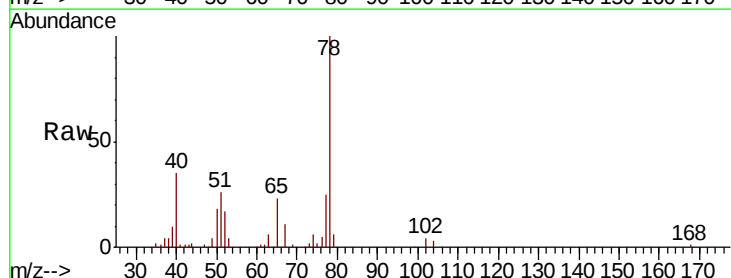
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 83 Resp: 43575
Ion Ratio Lower Upper
83 100
55 78.8 56.6 84.8
98 47.6 38.4 57.6



#40
Benzene
Concen: 5.067 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 78 Resp: 109353
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7

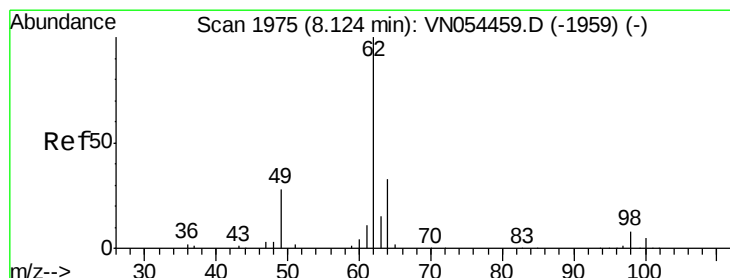
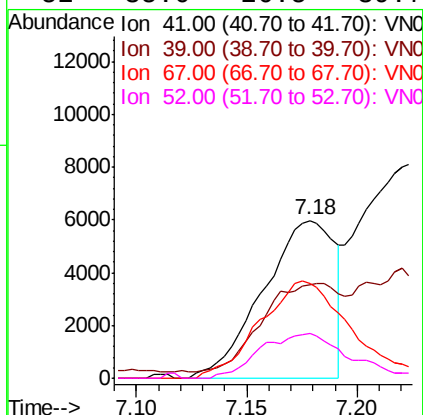
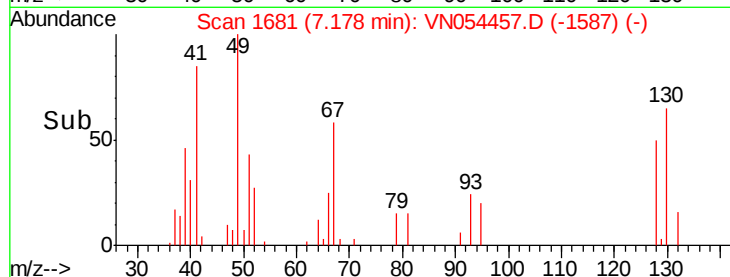
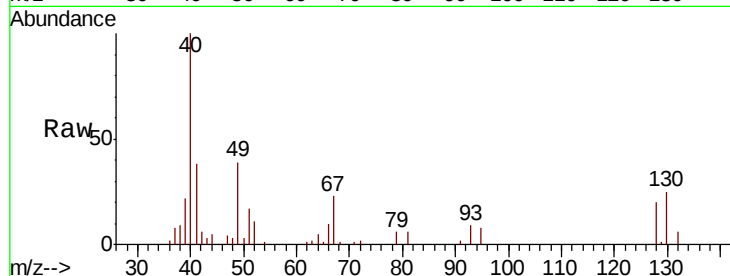




#41
Methacrylonitrile
Concen: 5.424 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

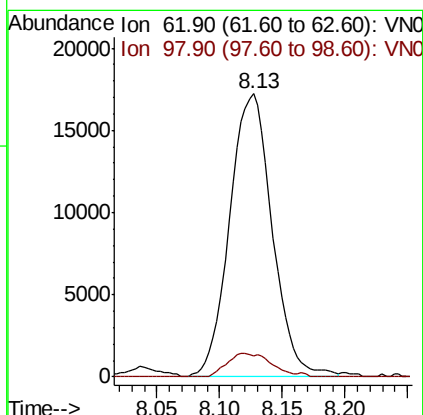
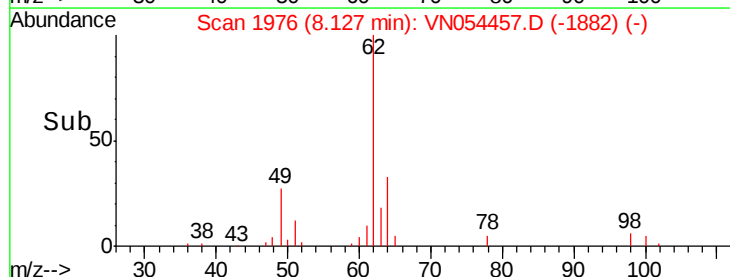
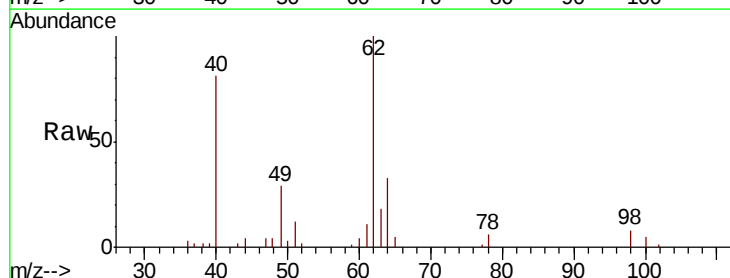
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

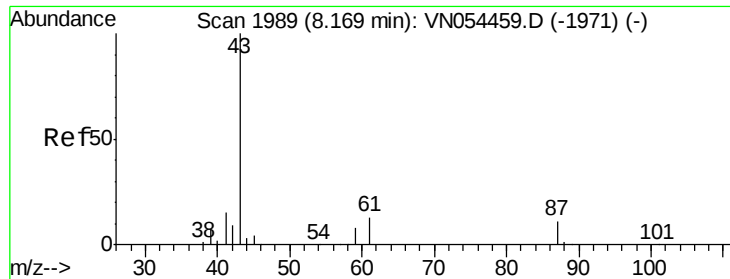
Tgt Ion: 41 Resp: 13420
Ion Ratio Lower Upper
41 100
39 61.4 46.8 70.2
67 78.0 67.0 100.4
52 35.0 26.5 39.7



#42
1,2-Dichloroethane
Concen: 5.590 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 62 Resp: 40728
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.4

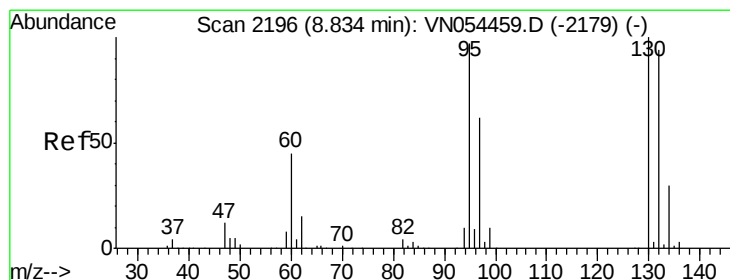
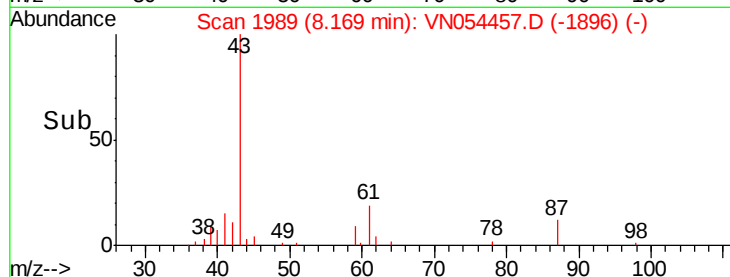
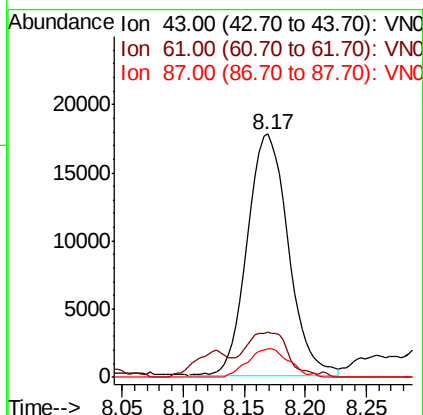
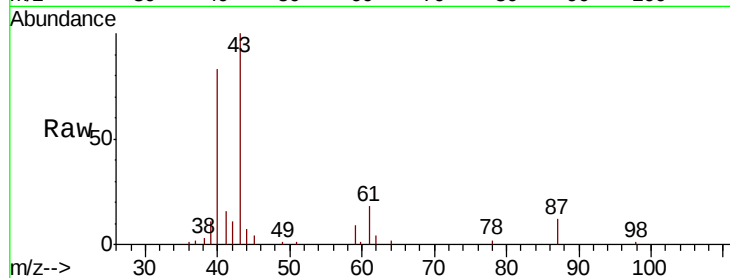




#43
Isopropyl Acetate
Concen: 5.404 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

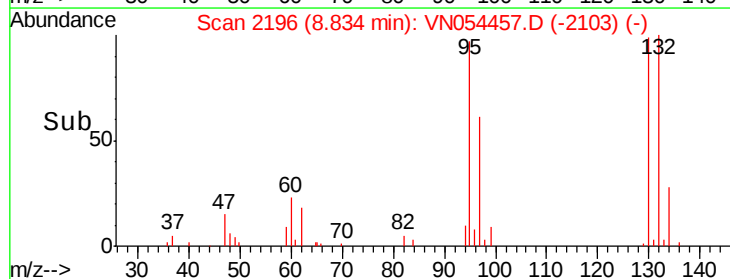
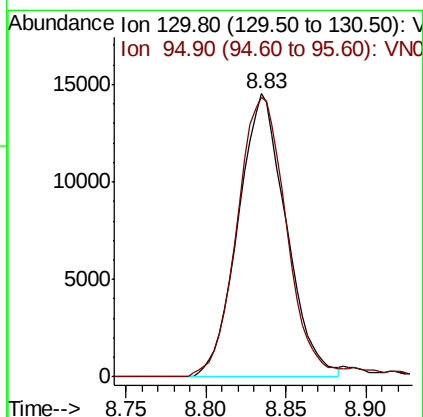
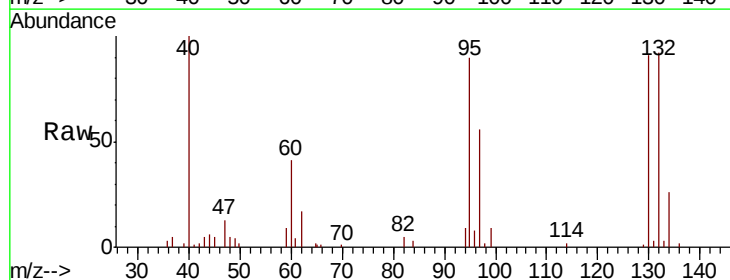
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

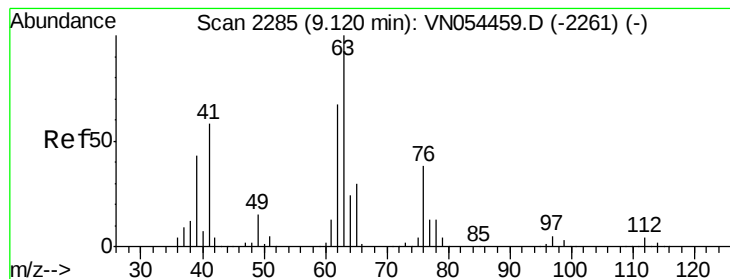
Tgt Ion: 43 Resp: 41105
Ion Ratio Lower Upper
43 100
61 16.9 15.8 23.8
87 11.9 12.0 18.0#



#44
Trichloroethene
Concen: 4.440 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 130 Resp: 29770
Ion Ratio Lower Upper
130 100
95 98.6 0.0 185.2





#45

1,2-Dichloropropane

Concen: 5.273 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

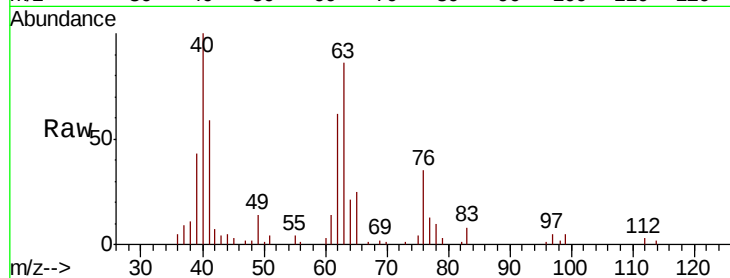
VSTDIC005

Tgt Ion: 63 Resp: 28260

Ion Ratio Lower Upper

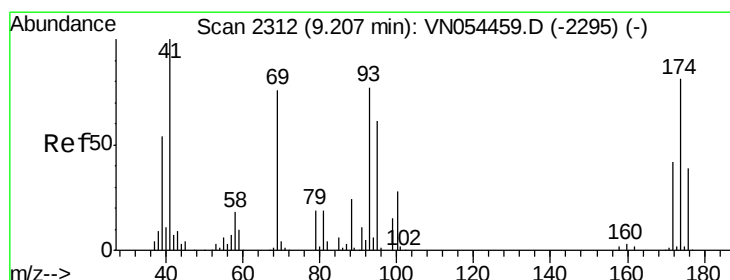
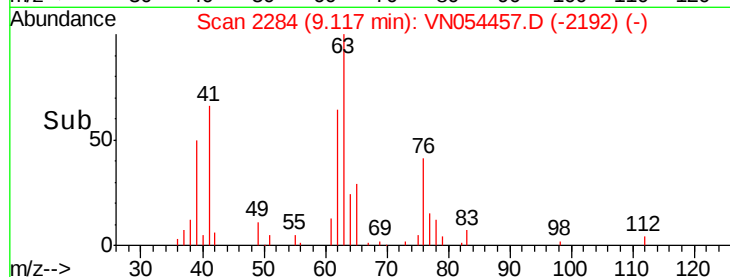
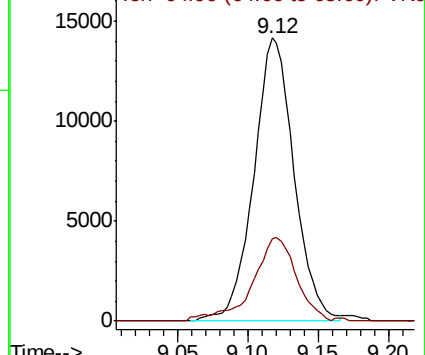
63 100

65 28.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 4.781 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

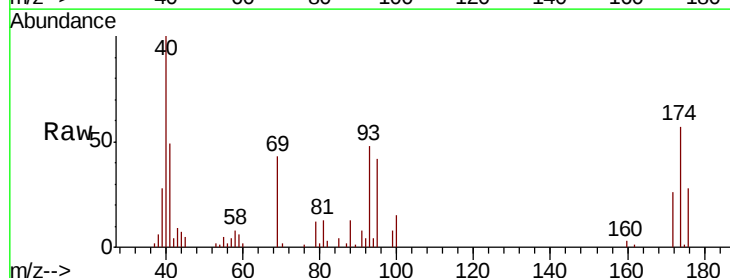
Tgt Ion: 93 Resp: 17313

Ion Ratio Lower Upper

93 100

95 89.9 66.7 100.1

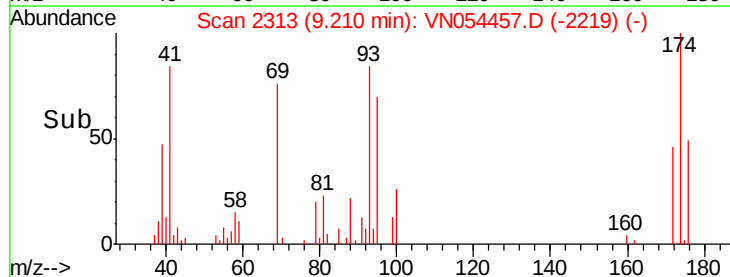
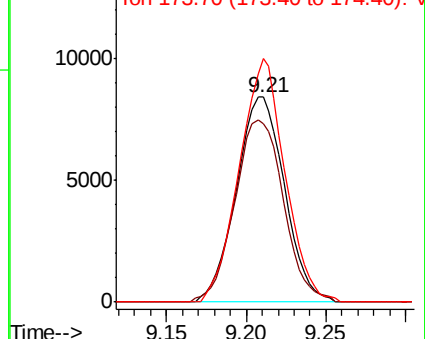
174 112.1 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.818 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

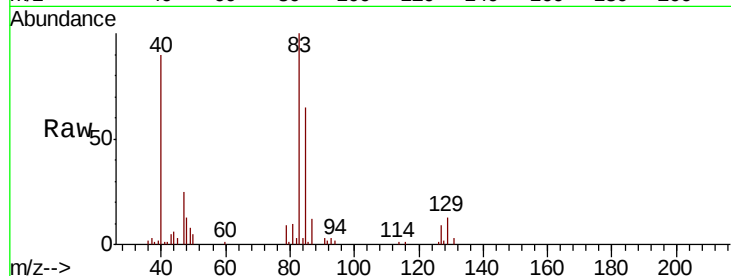
Tgt Ion: 83 Resp: 34973

Ion Ratio Lower Upper

83 100

85 64.7 52.8 79.2

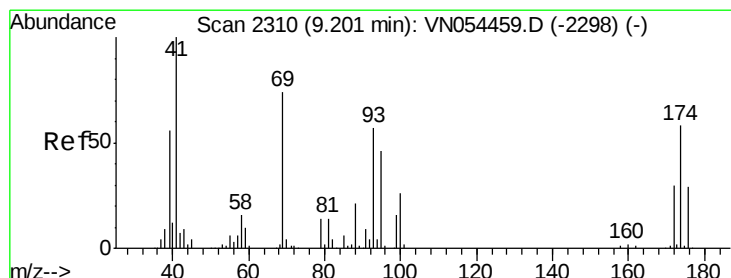
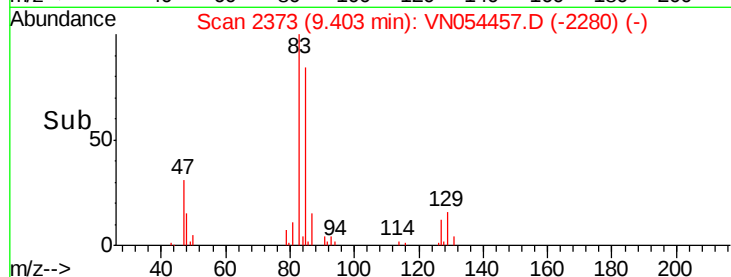
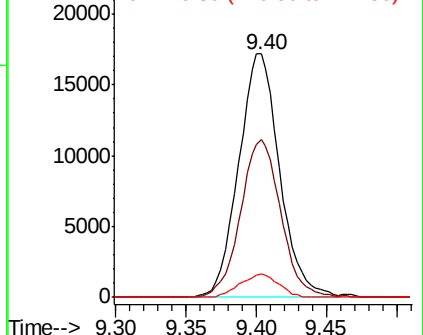
127 9.5 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054457.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054457.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054457.D (-2280) (-)



#48

Methyl methacrylate

Concen: 5.615 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

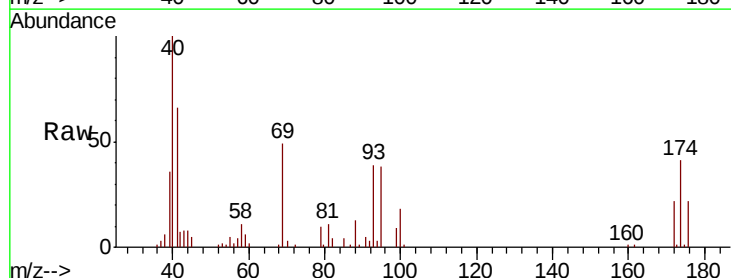
Tgt Ion: 41 Resp: 21674

Ion Ratio Lower Upper

41 100

69 81.5 72.6 108.8

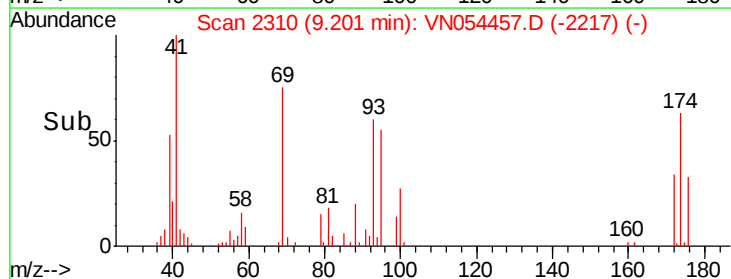
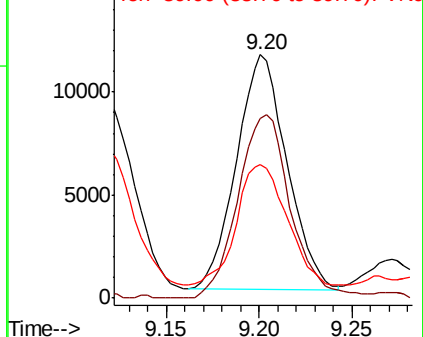
39 51.2 47.5 71.3

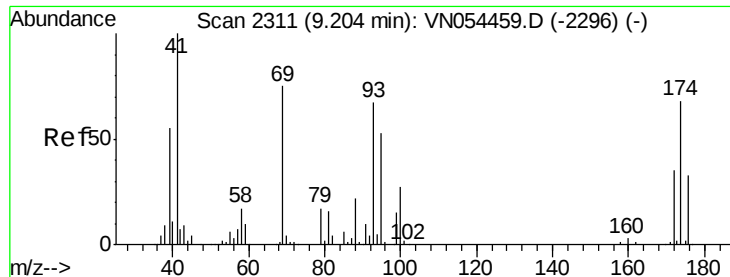


Abundance Ion 41.00 (40.70 to 41.70): VN054457.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054457.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054457.D (-2217) (-)





#49

1,4-Dioxane

Concen: 97.469 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

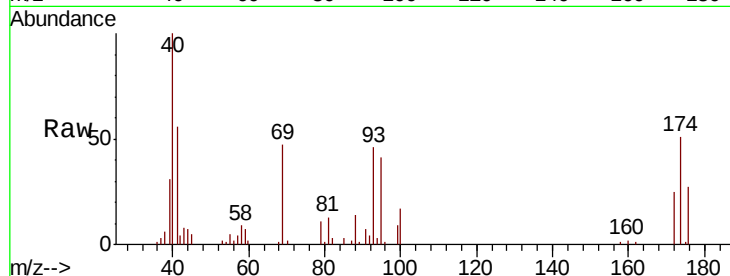
Tgt Ion: 88 Resp: 5322

Ion Ratio Lower Upper

88 100

43 43.6 24.1 36.1#

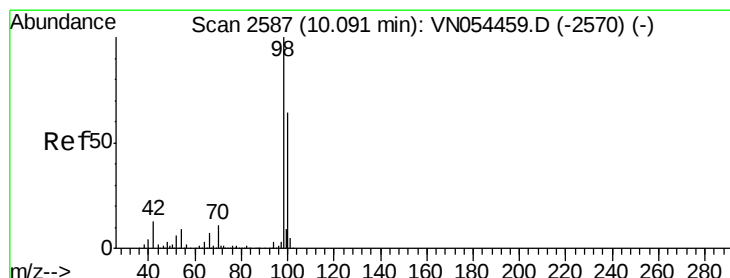
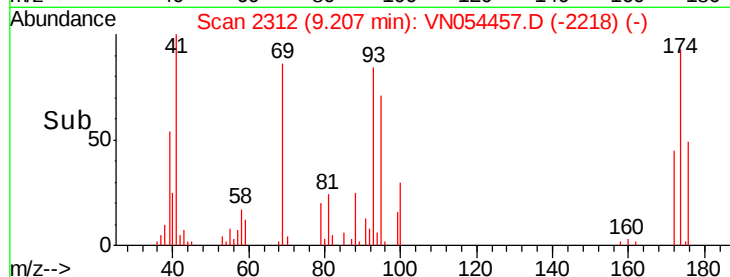
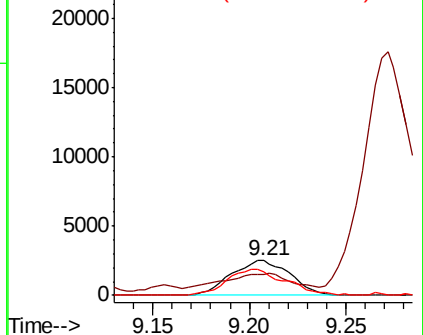
58 75.3 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 5.003 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054457.D

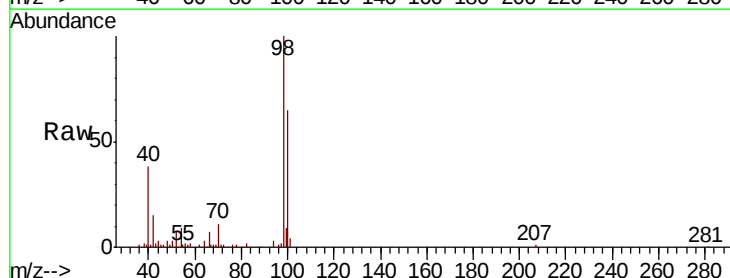
Acq: 20 Mar 2019 10:47

Tgt Ion: 98 Resp: 97597

Ion Ratio Lower Upper

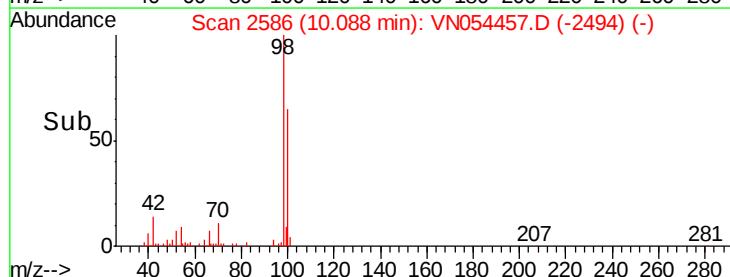
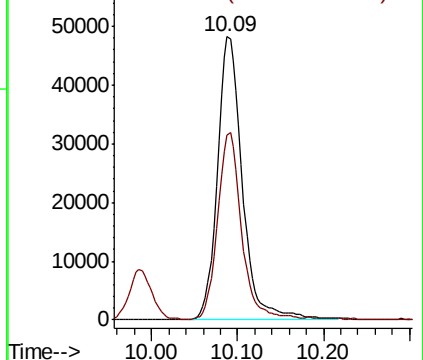
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

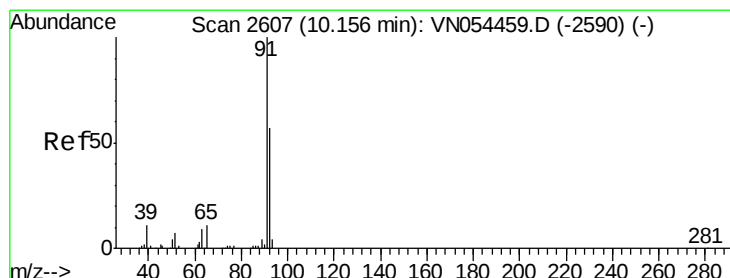
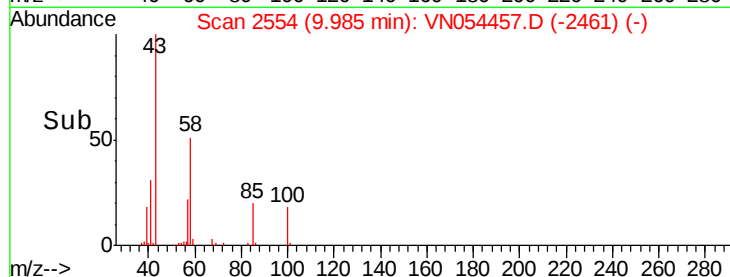
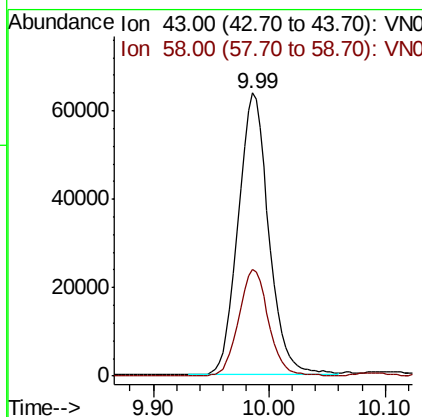
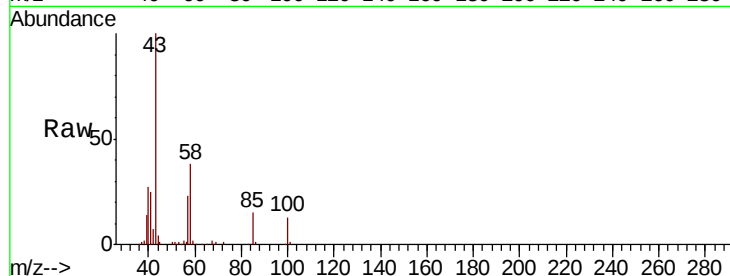




#51
 4-Methyl-2-Pentanone
 Concen: 28.978 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

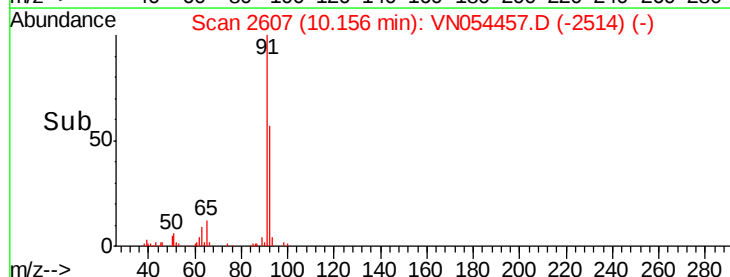
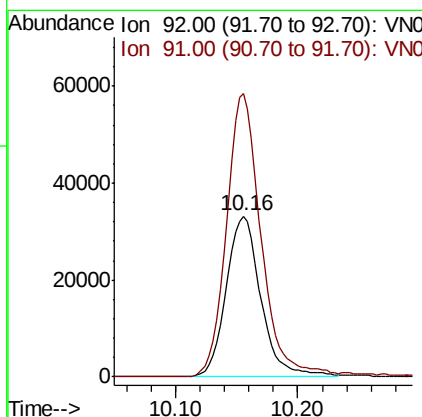
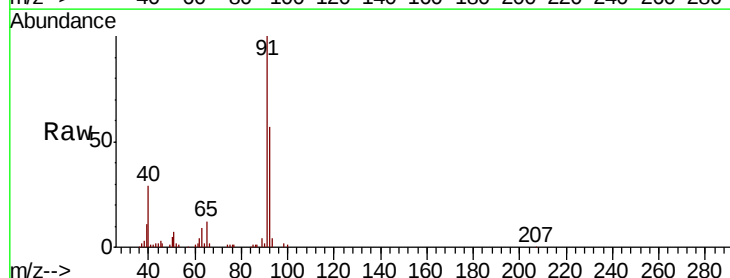
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

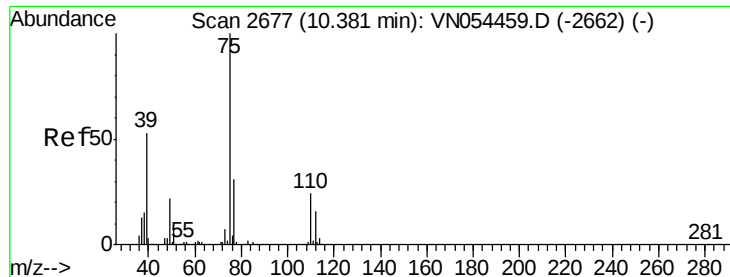
Tgt Ion: 43 Resp: 116647
 Ion Ratio Lower Upper
 43 100
 58 37.3 31.8 47.6



#52
 Toluene
 Concen: 4.812 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion: 92 Resp: 65844
 Ion Ratio Lower Upper
 92 100
 91 175.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 3.675 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

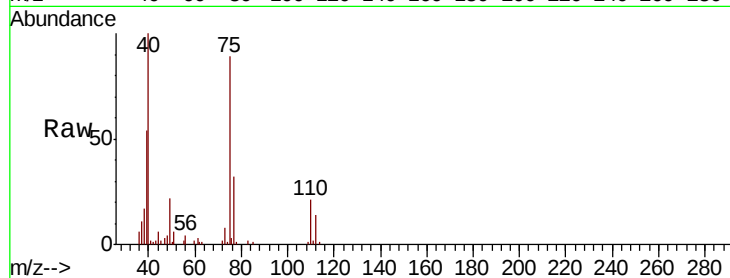
VSTDIC005

Tgt Ion: 75 Resp: 27151

Ion Ratio Lower Upper

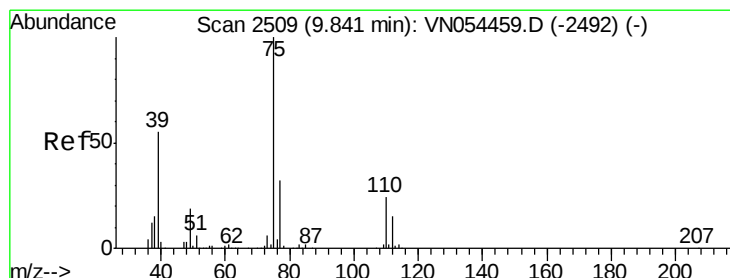
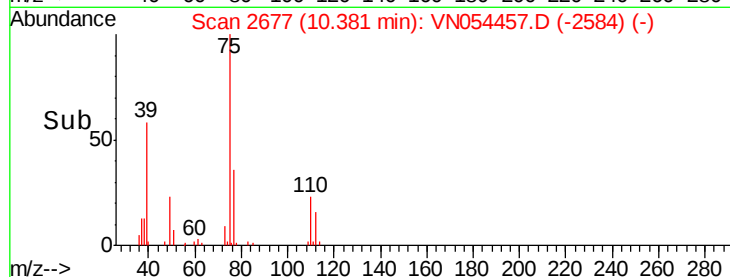
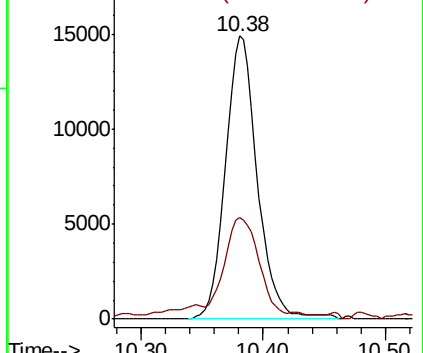
75 100

77 34.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.374 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

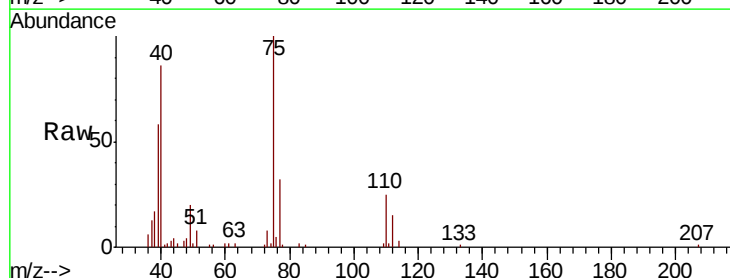
Tgt Ion: 75 Resp: 37002

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

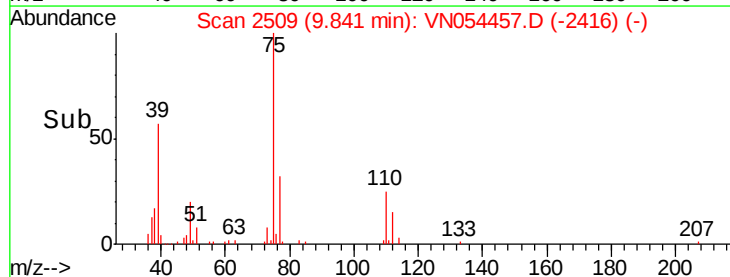
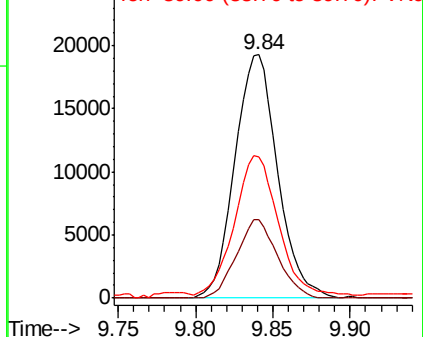
39 56.5 37.2 55.8#

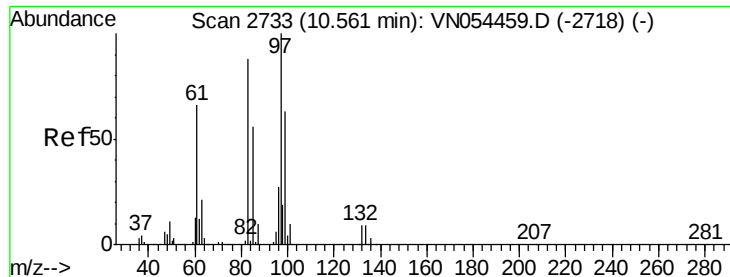


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

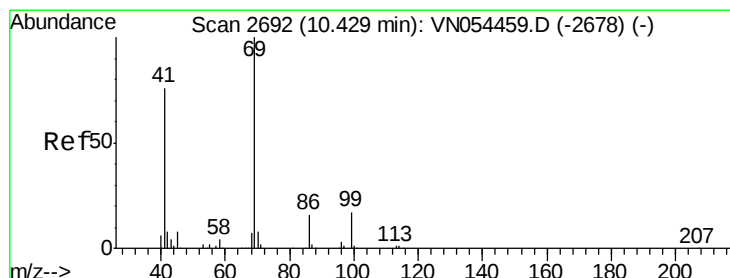
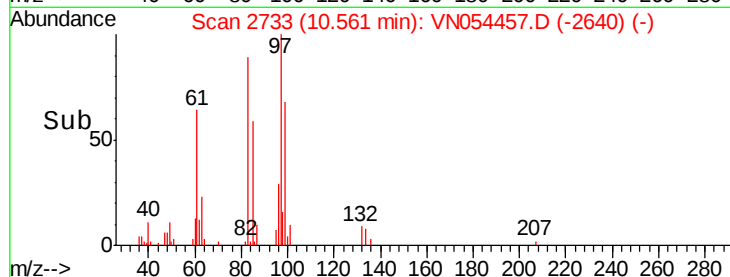
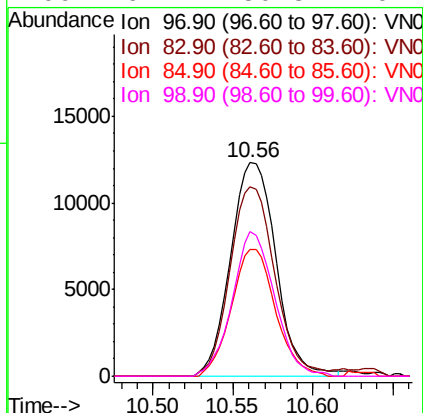
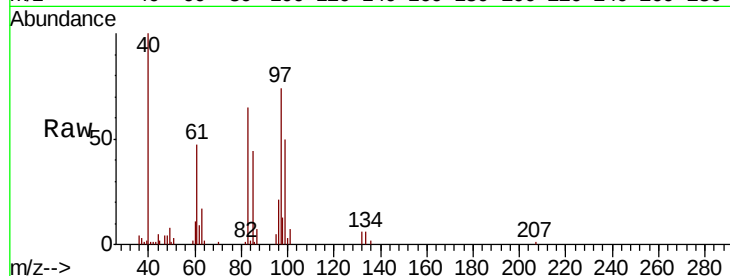




#55
 1,1,2-Trichloroethane
 Concen: 4.772 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

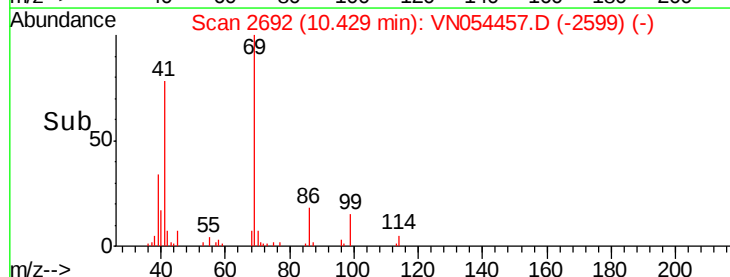
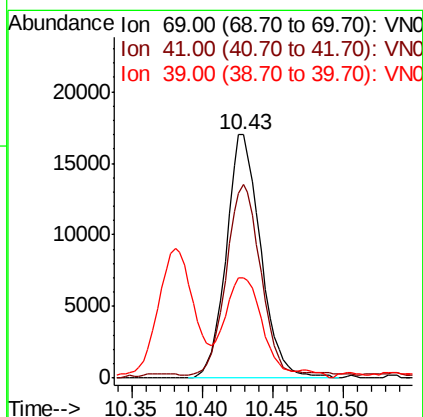
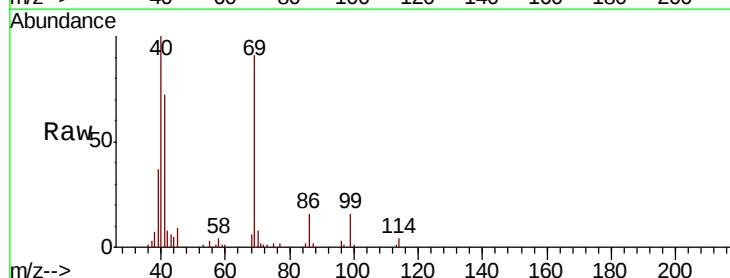
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

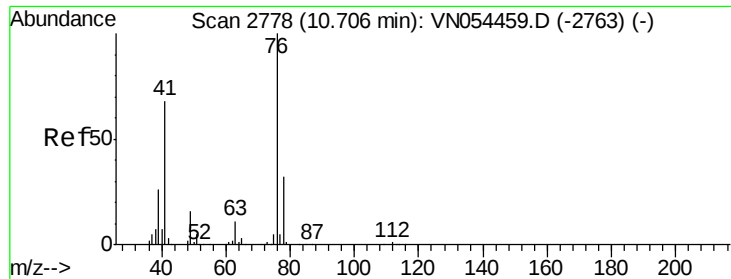
Tgt Ion:	97	Resp:	23845
Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.6	100.0
85	59.4	44.4	66.6
99	67.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 4.861 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion:	69	Resp:	28963
Ion	Ratio	Lower	Upper
69	100		
41	78.0	49.4	74.2#
39	40.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 4.975 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

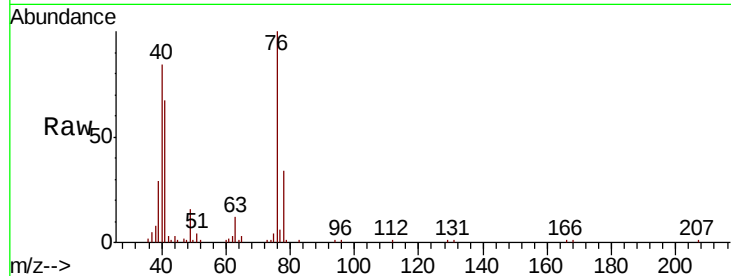
VSTDIC005

Tgt Ion: 76 Resp: 40650

Ion Ratio Lower Upper

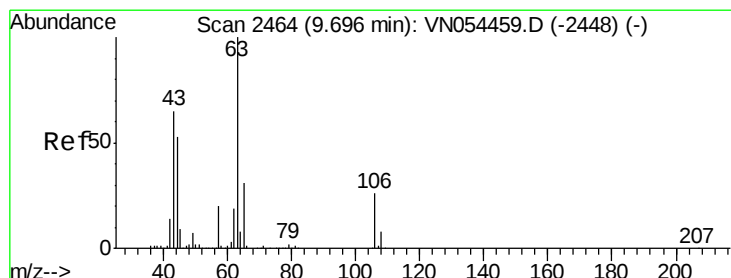
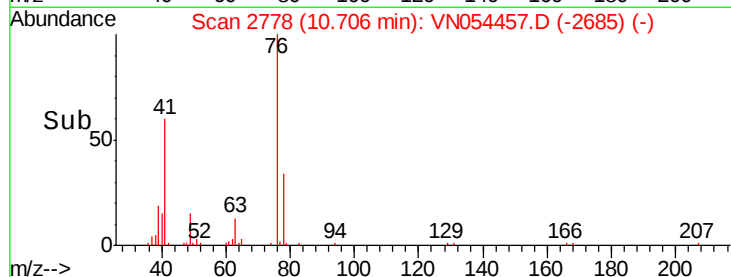
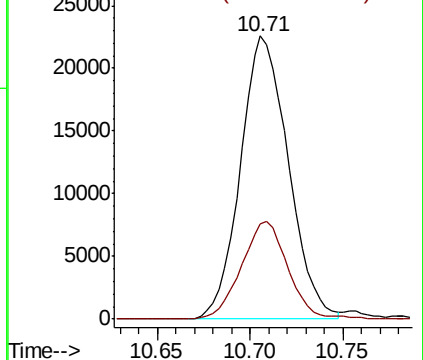
76 100

78 33.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 25.744 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054457.D

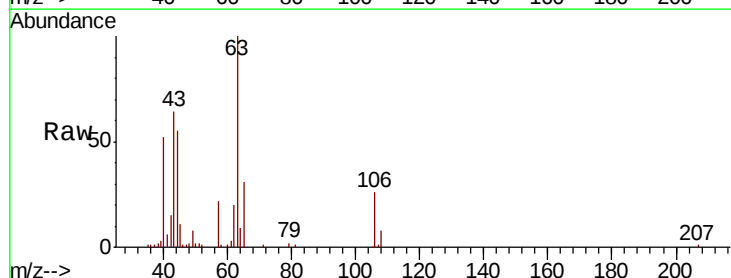
Acq: 20 Mar 2019 10:47

Tgt Ion: 63 Resp: 58102

Ion Ratio Lower Upper

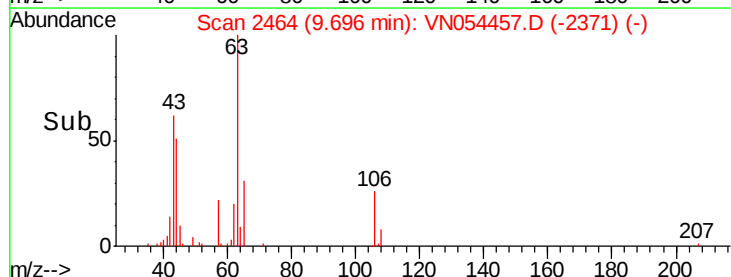
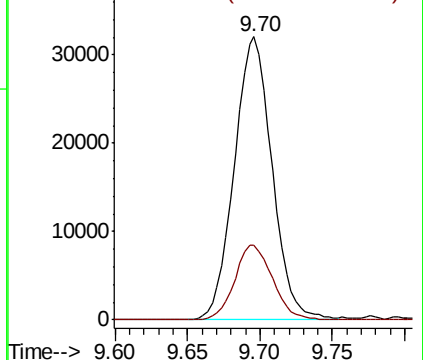
63 100

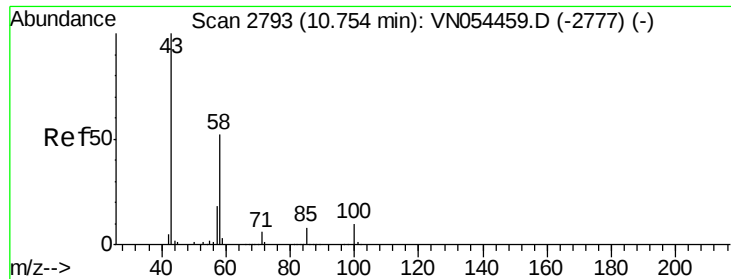
106 26.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

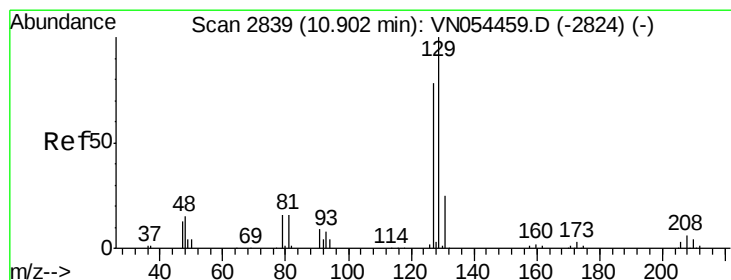
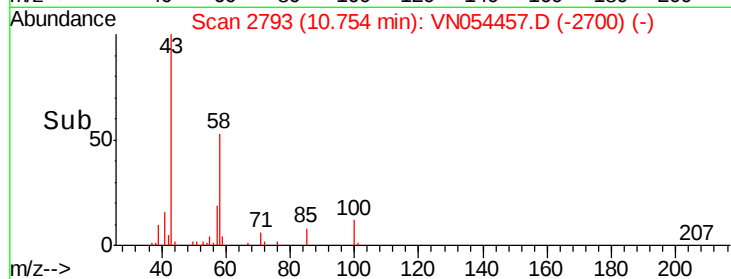
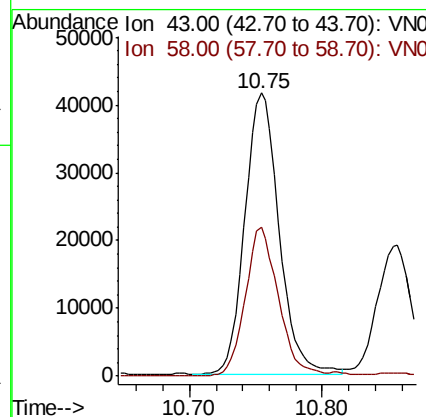
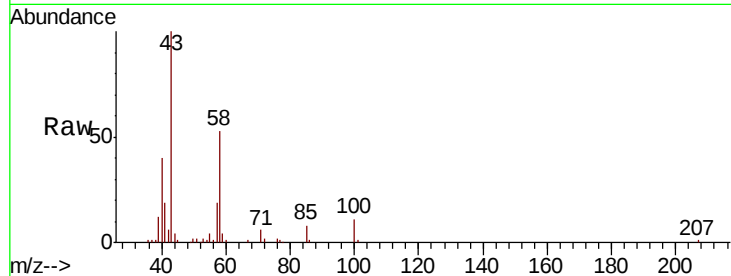




#59
2-Hexanone
Concen: 27.789 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

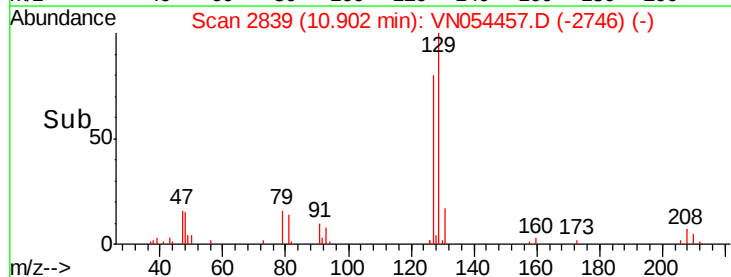
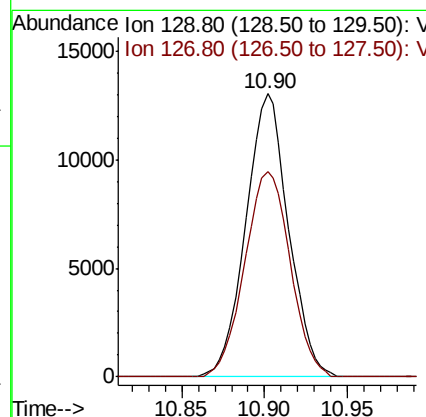
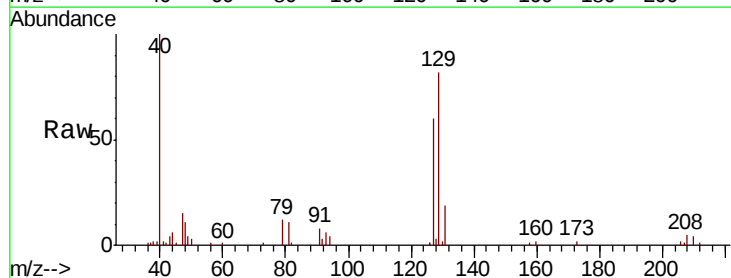
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

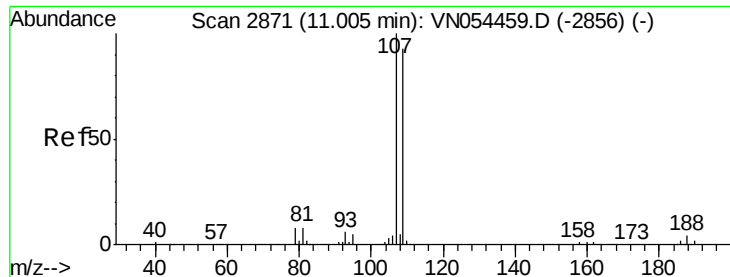
Tgt Ion: 43 Resp: 74433
Ion Ratio Lower Upper
43 100
58 51.2 28.0 83.9



#60
Dibromochloromethane
Concen: 4.145 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 129 Resp: 23310
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.512 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

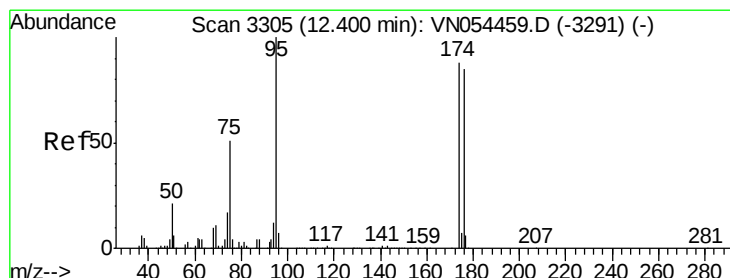
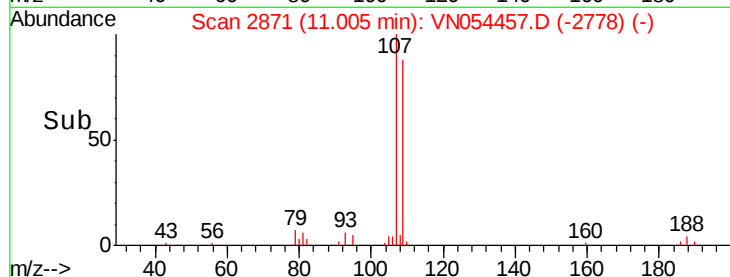
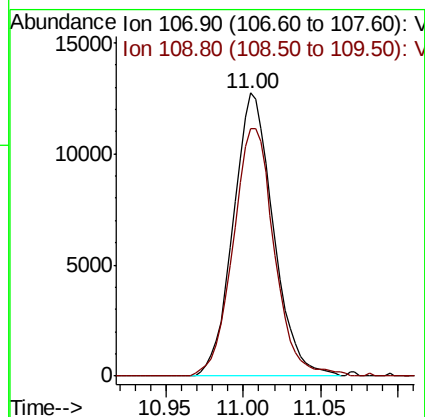
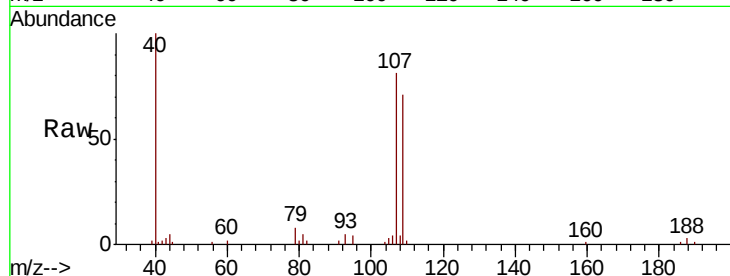
VSTDIC005

Tgt Ion: 107 Resp: 22912

Ion Ratio Lower Upper

107 100

109 90.0 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 4.537 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

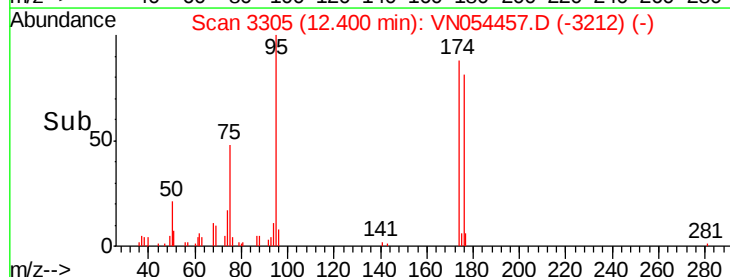
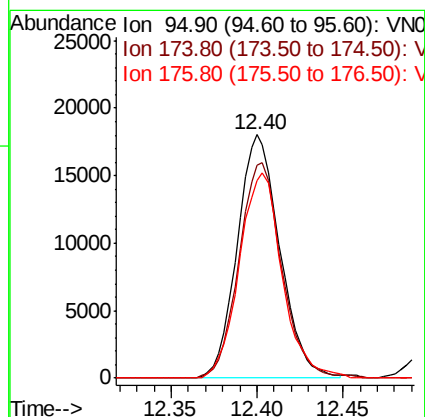
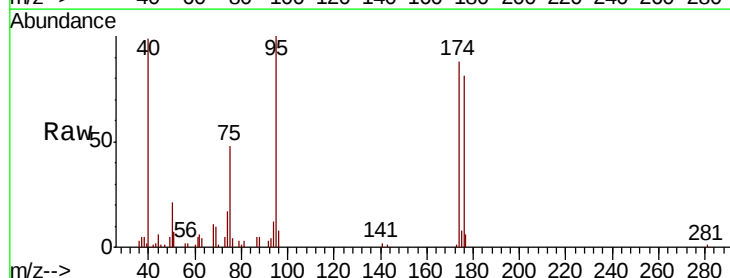
Tgt Ion: 95 Resp: 30966

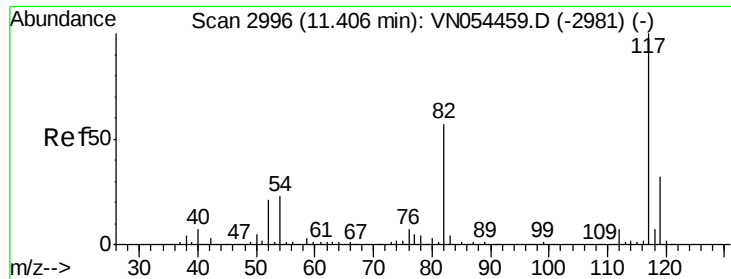
Ion Ratio Lower Upper

95 100

174 88.8 0.0 191.0

176 84.8 0.0 187.4

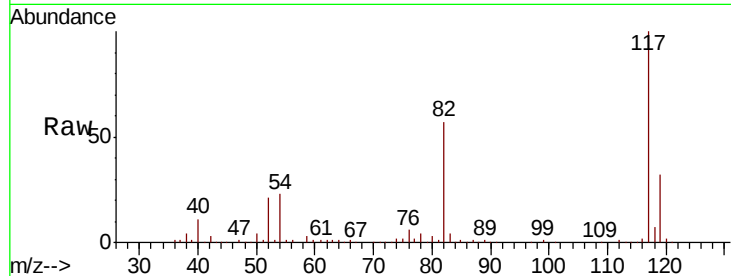




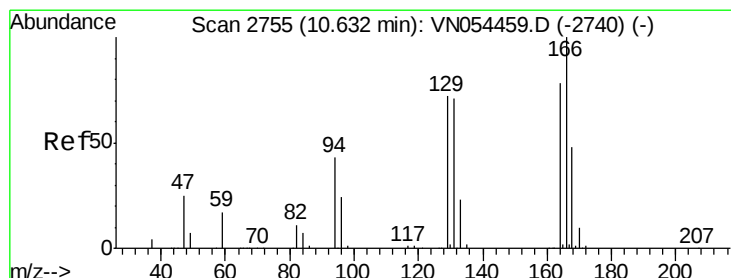
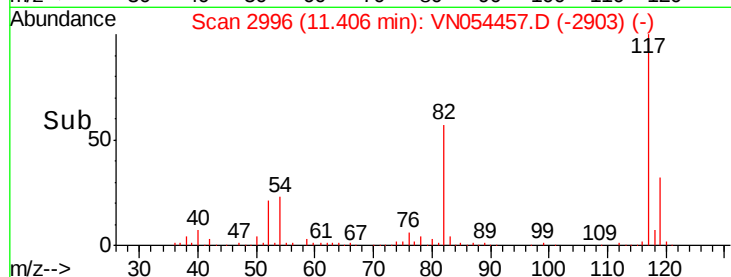
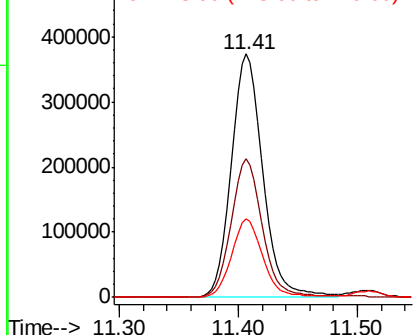
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:117 Resp: 686848
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 32.2 25.8 38.6

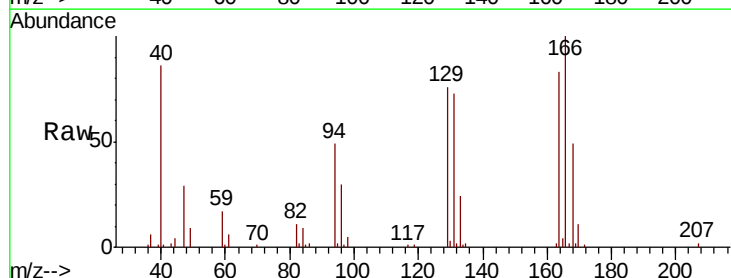


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

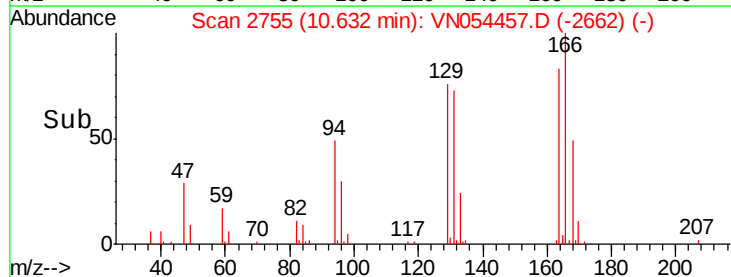
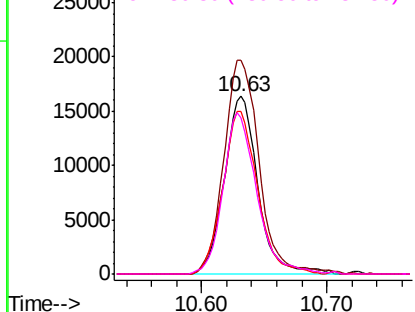


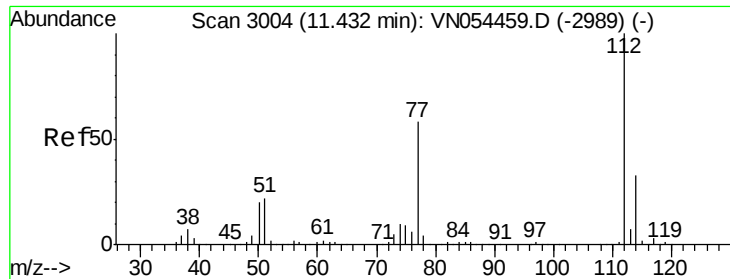
#64
Tetrachloroethene
Concen: 4.580 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion:164 Resp: 30413
Ion Ratio Lower Upper
164 100
166 120.1 103.9 155.9
129 91.4 71.1 106.7
131 87.5 68.2 102.4



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

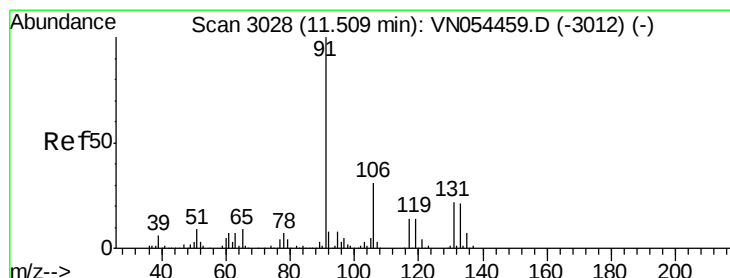
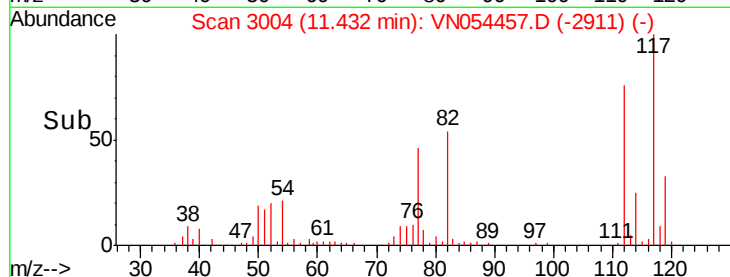
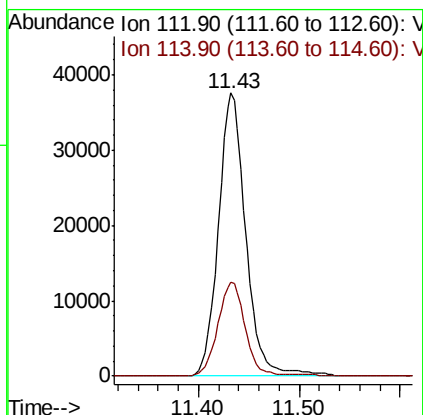
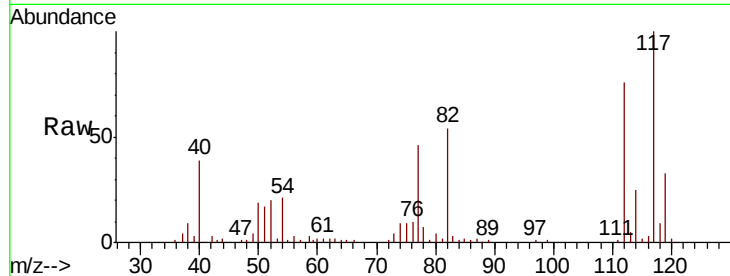




#65
Chlorobenzene
Concen: 4.705 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

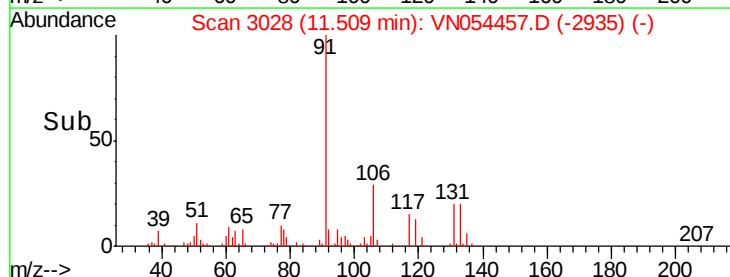
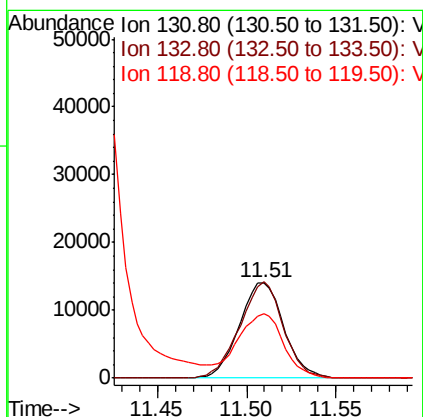
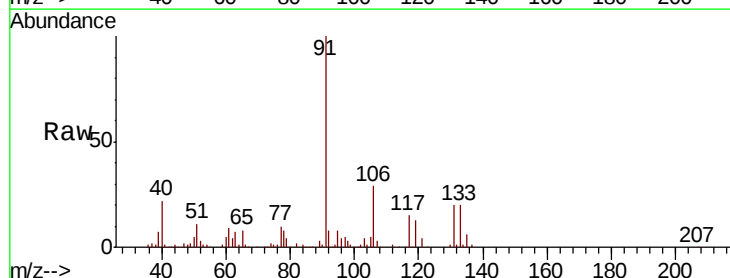
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

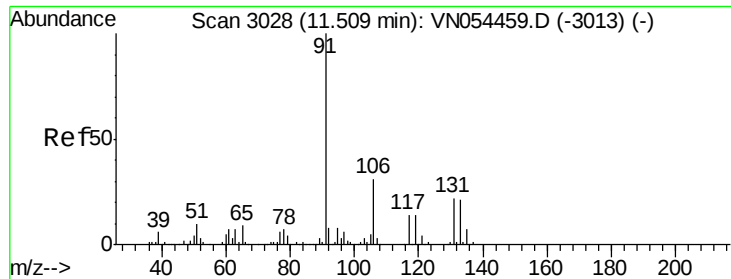
Tgt Ion:112 Resp: 70958
Ion Ratio Lower Upper
112 100
114 33.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.468 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion:131 Resp: 24481
Ion Ratio Lower Upper
131 100
133 98.2 47.6 142.9
119 70.0 32.4 97.0

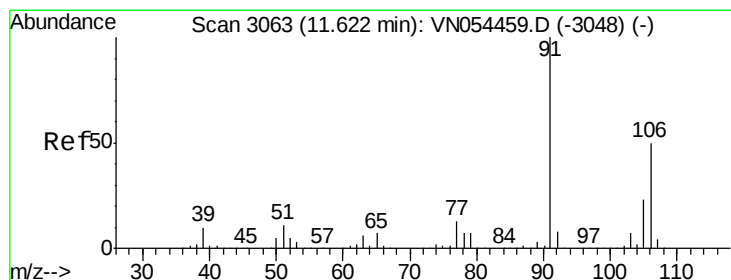
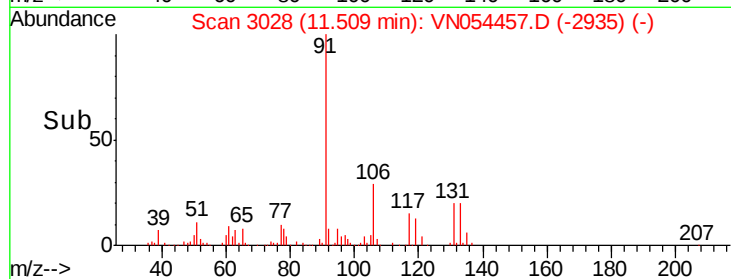
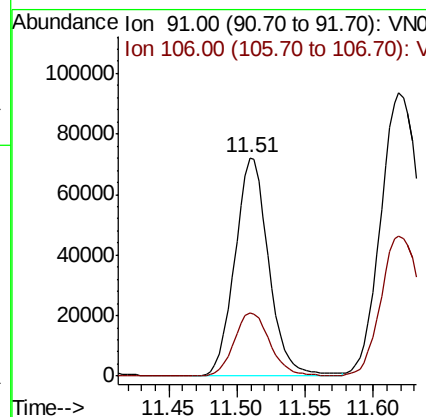
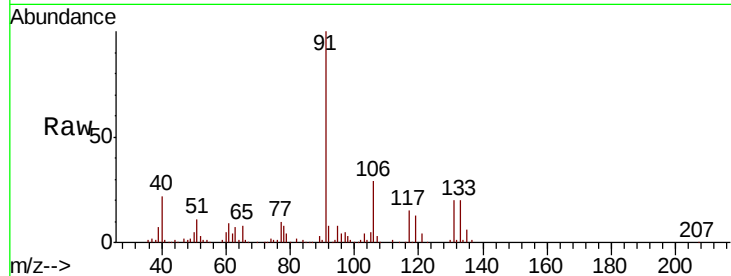




#67
Ethyl Benzene
Concen: 4.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

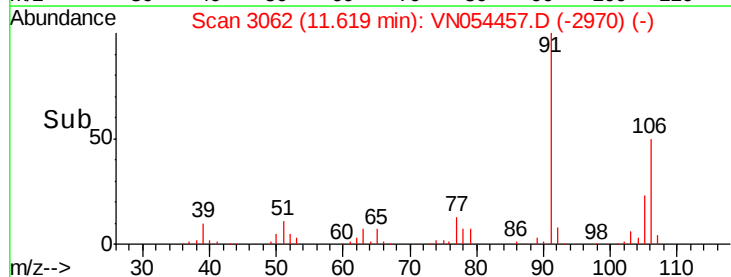
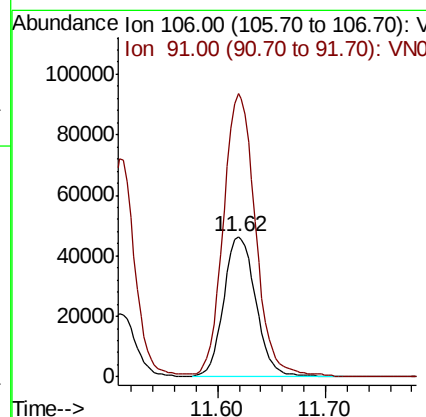
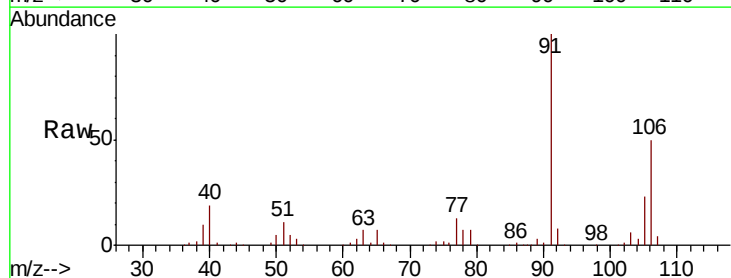
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

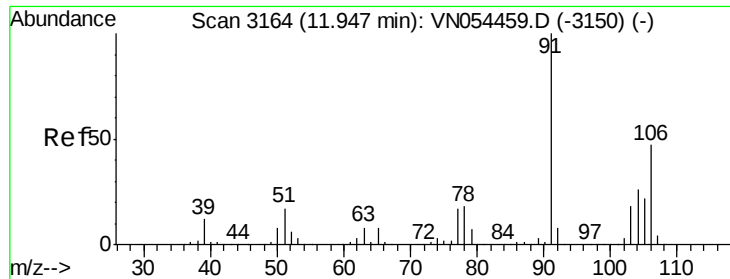
Tgt Ion: 91 Resp: 124670
Ion Ratio Lower Upper
91 100
106 29.1 25.5 38.3



#68
m/p-Xylenes
Concen: 9.871 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion: 106 Resp: 96452
Ion Ratio Lower Upper
106 100
91 201.8 159.4 239.2

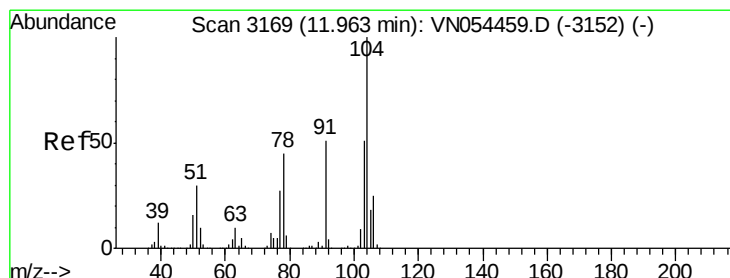
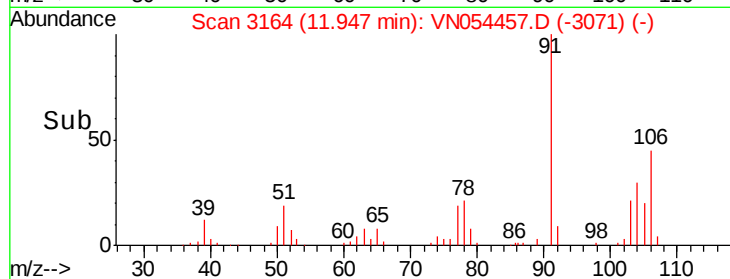
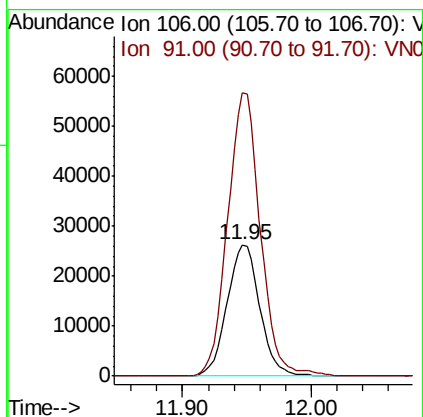
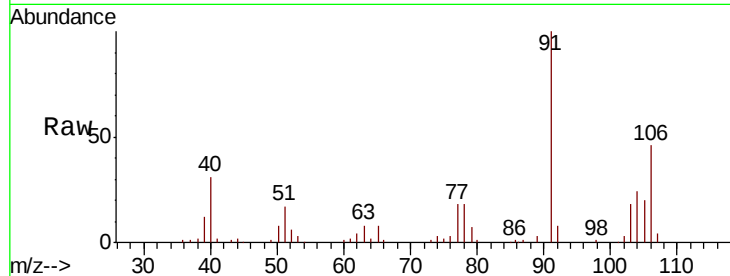




#69
o-Xylene
Concen: 4.853 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

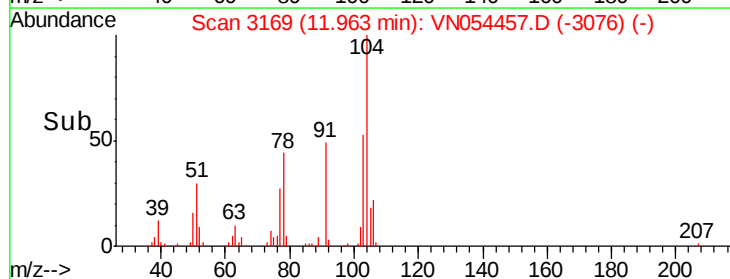
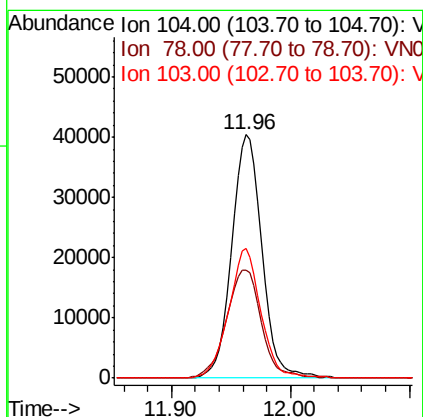
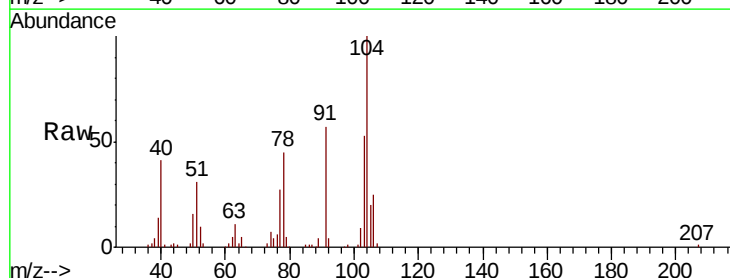
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

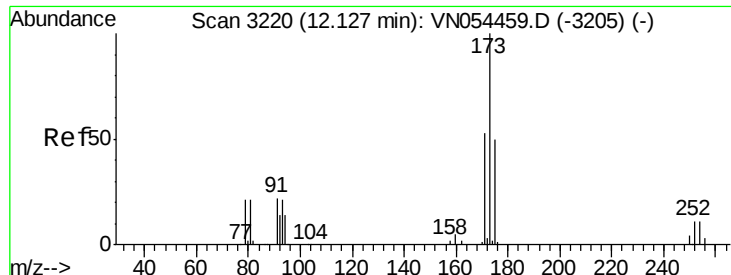
Tgt Ion:106 Resp: 46222
Ion Ratio Lower Upper
106 100
91 215.7 105.7 317.1



#70
Styrene
Concen: 4.757 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion:104 Resp: 71056
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 56.3 44.4 66.6

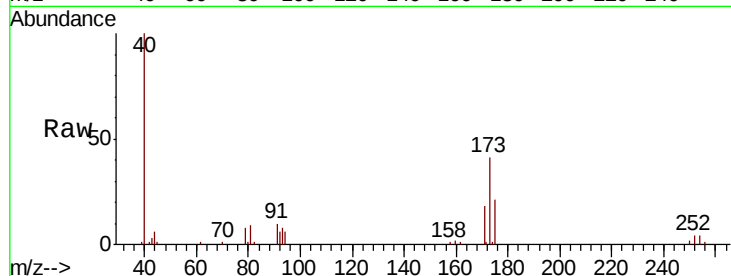




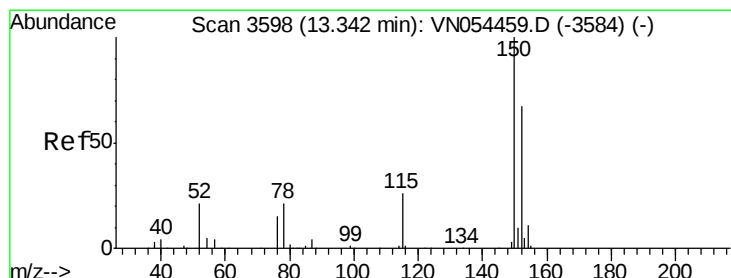
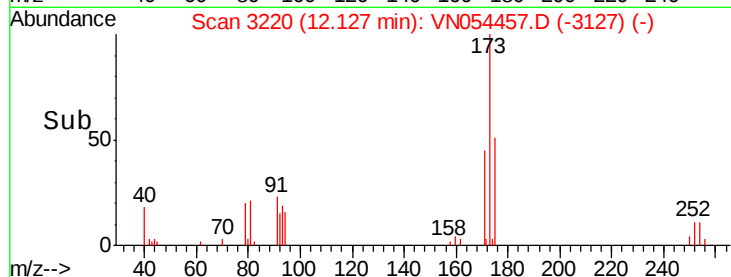
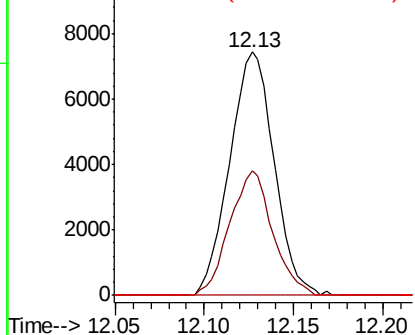
#71
Bromoform
Concen: 3.550 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:173 Resp: 12873
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.2
254 0.0 0.1 0.1#

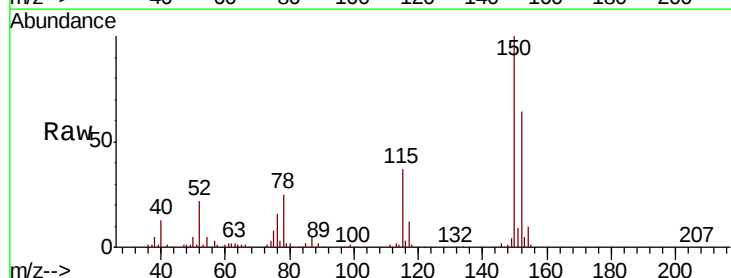


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

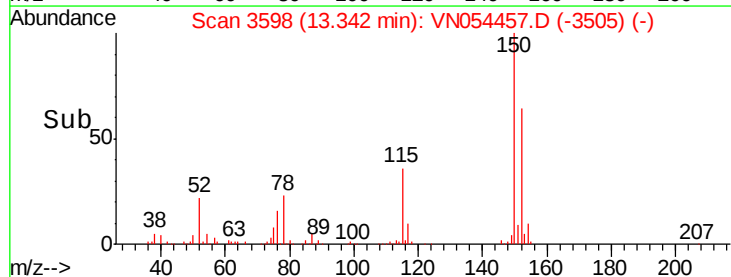
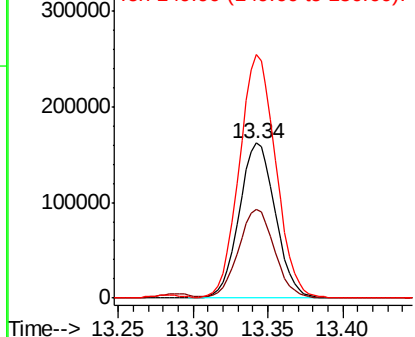


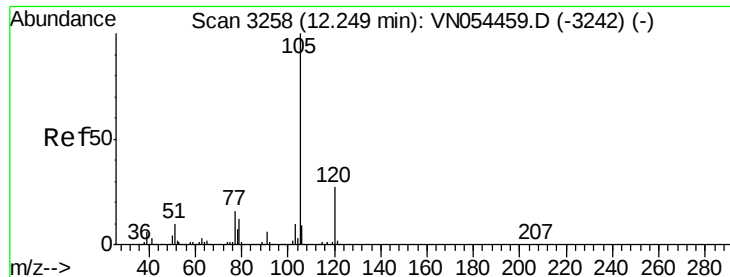
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion:152 Resp: 271982
Ion Ratio Lower Upper
152 100
115 57.3 27.2 81.6
150 157.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.587 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

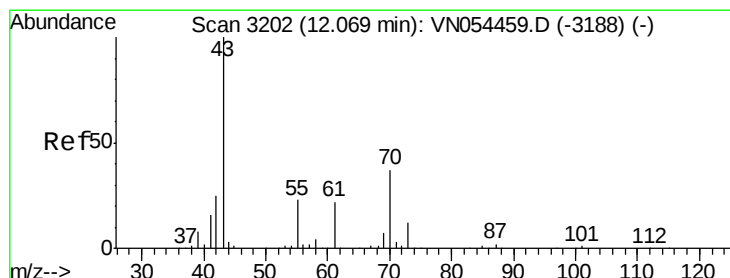
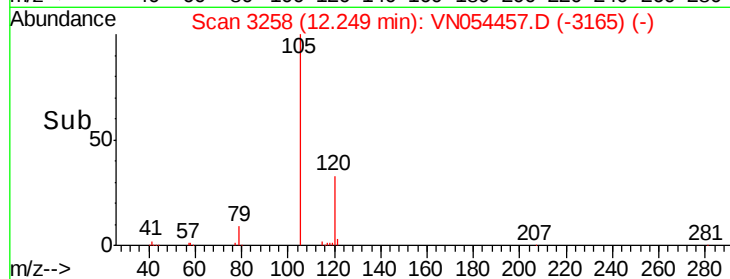
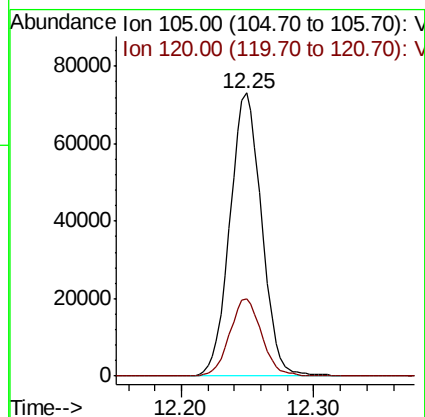
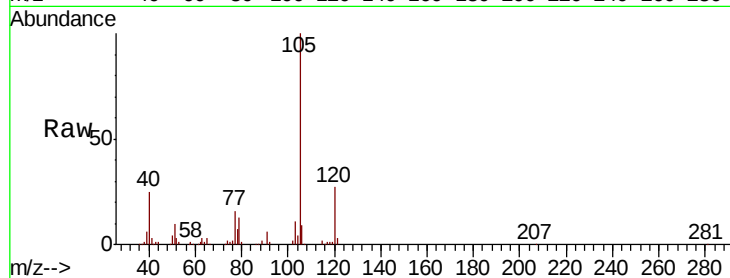
VSTDIC005

Tgt Ion: 105 Resp: 121565

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



#74

N-ethyl acetate

Concen: 6.121 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Tgt Ion: 43 Resp: 29565

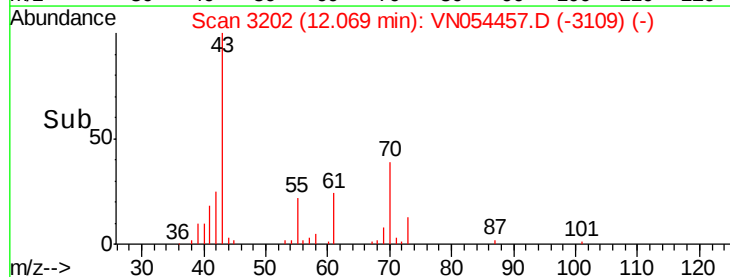
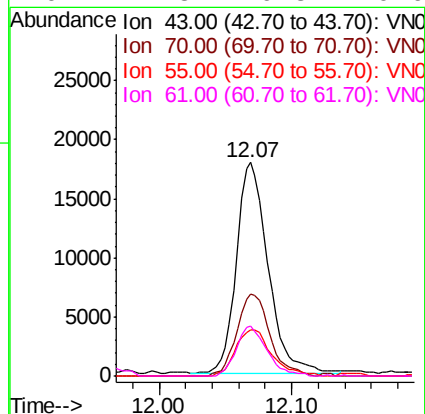
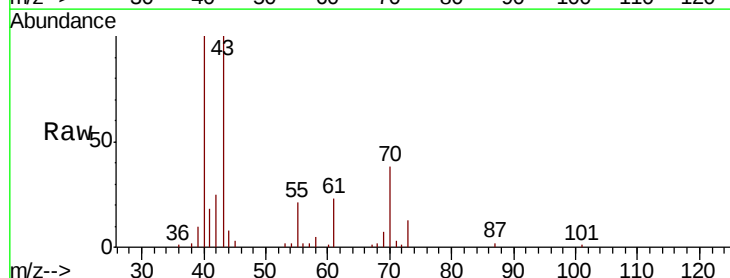
Ion Ratio Lower Upper

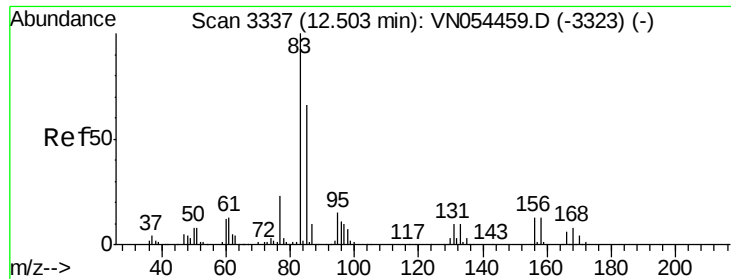
43 100

70 40.4 35.4 53.0

55 25.1 19.8 29.6

61 22.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.665 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

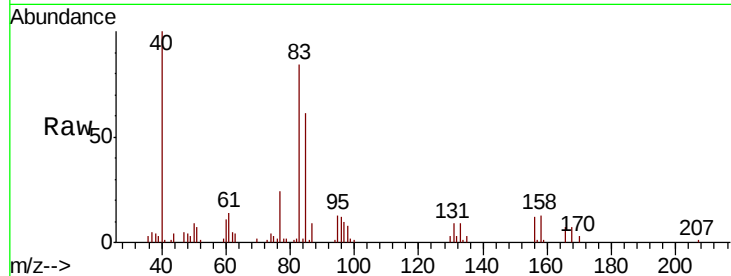
Tgt Ion: 83 Resp: 26263

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

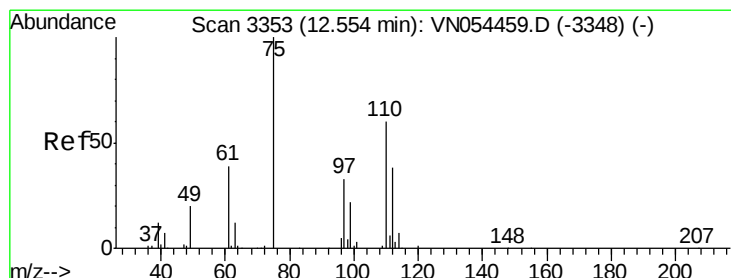
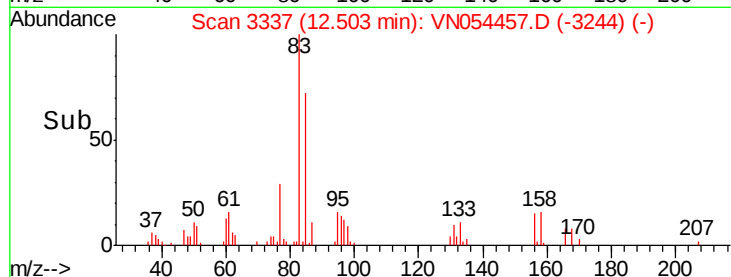
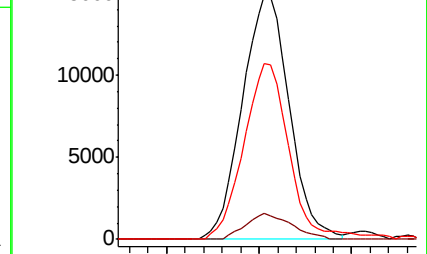
85 68.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054457.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054457.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054457.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 8.028 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054457.D

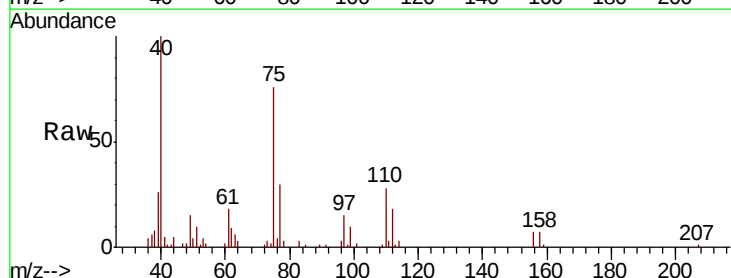
Acq: 20 Mar 2019 10:47

Tgt Ion: 75 Resp: 32110

Ion Ratio Lower Upper

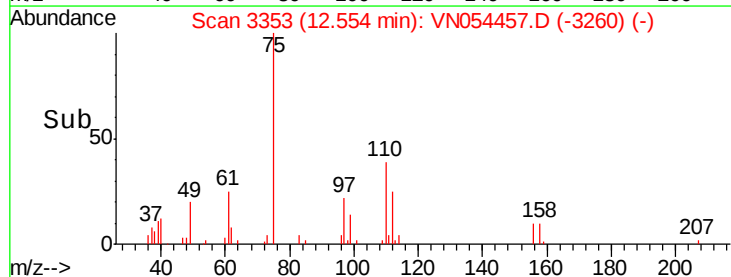
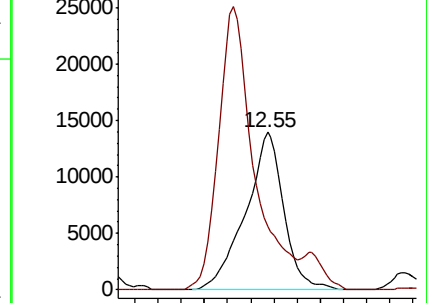
75 100

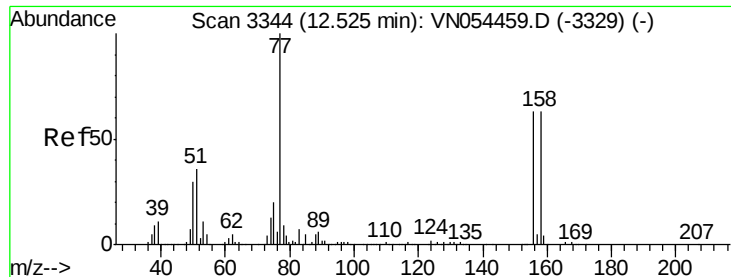
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054457.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054457.D (-3353) (-)





#77

Bromobenzene

Concen: 5.053 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

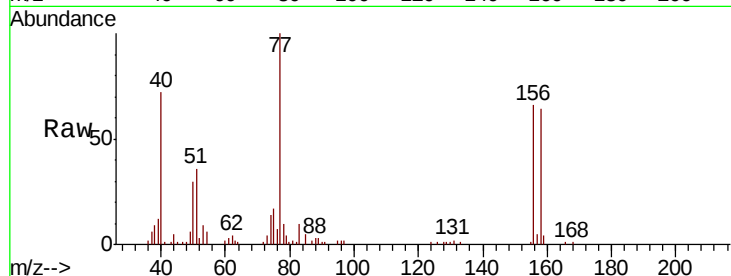
Tgt Ion:156 Resp: 29094

Ion Ratio Lower Upper

156 100

77 184.2 81.5 244.4

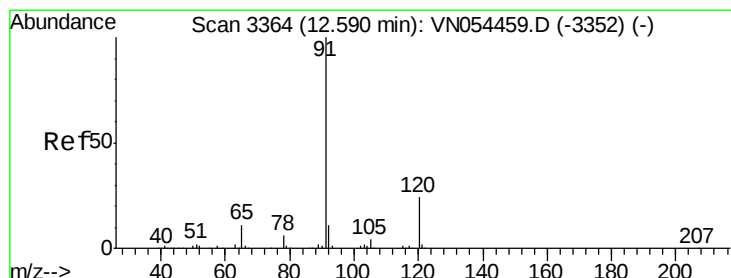
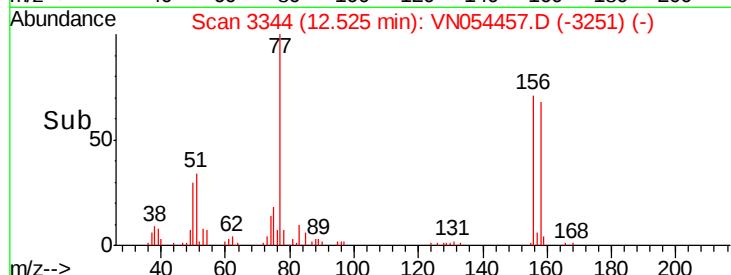
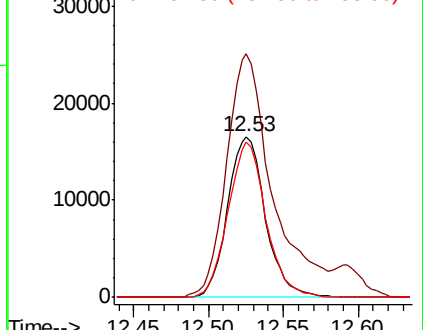
158 96.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.519 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054457.D

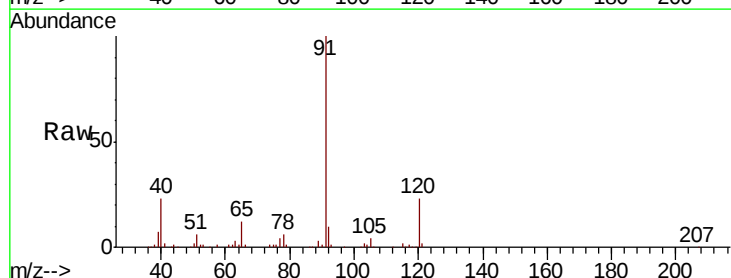
Acq: 20 Mar 2019 10:47

Tgt Ion: 91 Resp: 130321

Ion Ratio Lower Upper

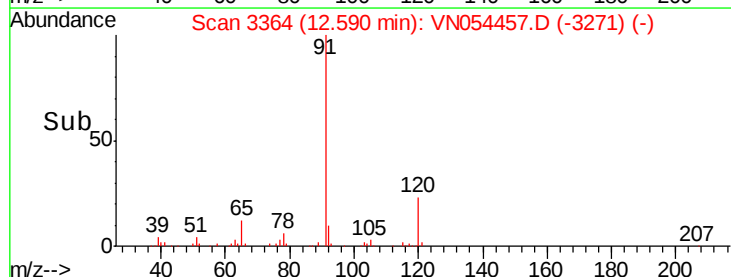
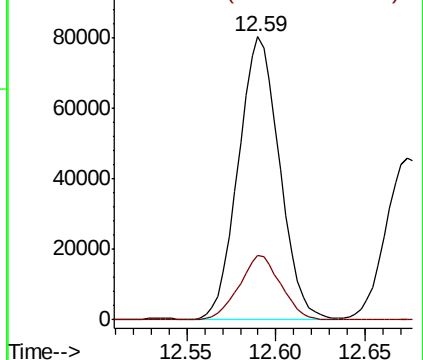
91 100

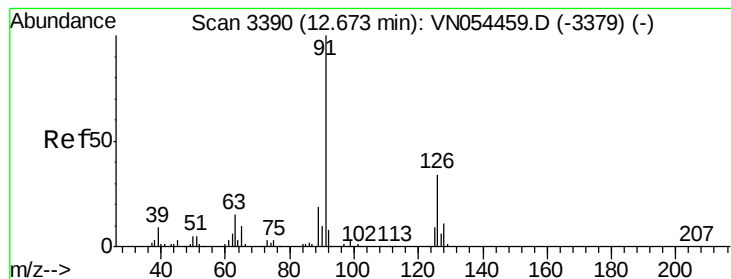
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.697 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

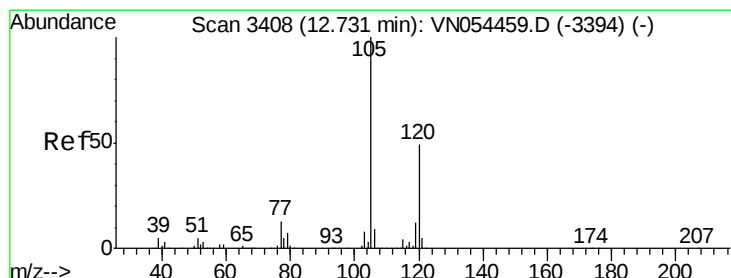
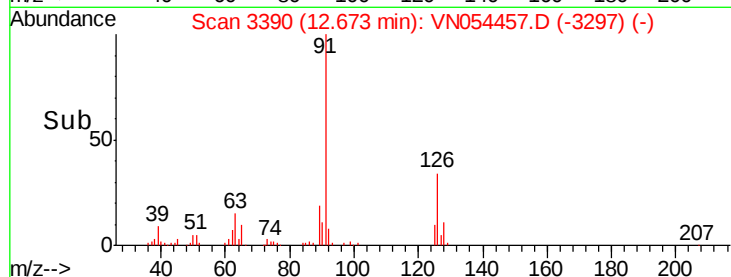
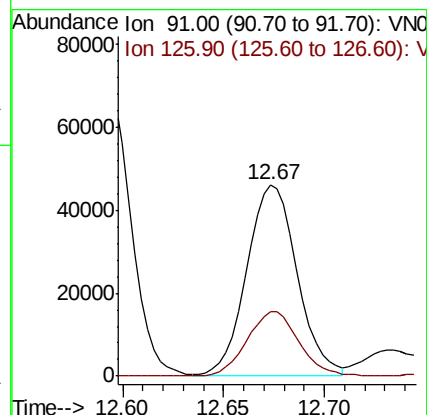
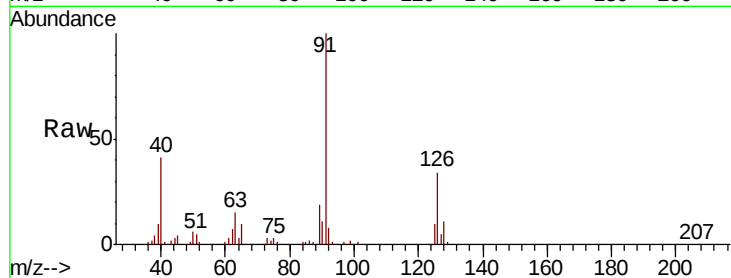
VSTDIC005

Tgt Ion: 91 Resp: 80879

Ion Ratio Lower Upper

91 100

126 34.7 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 5.392 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054457.D

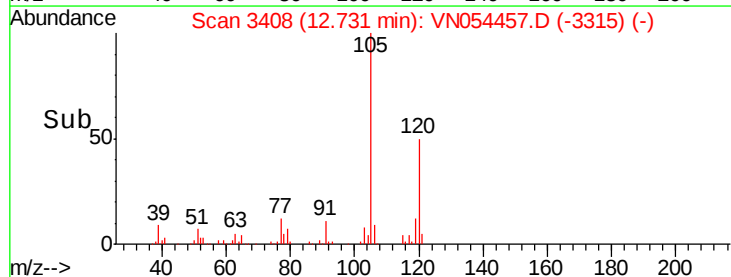
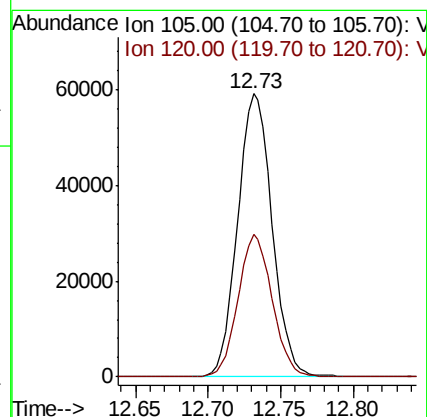
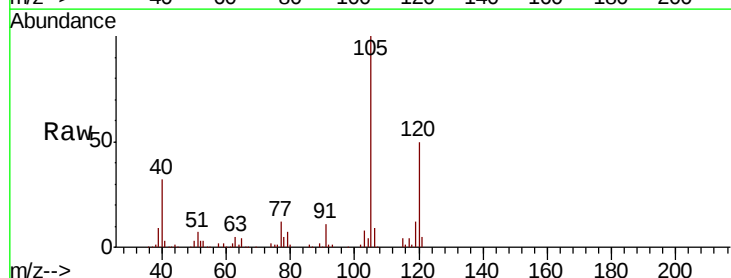
Acq: 20 Mar 2019 10:47

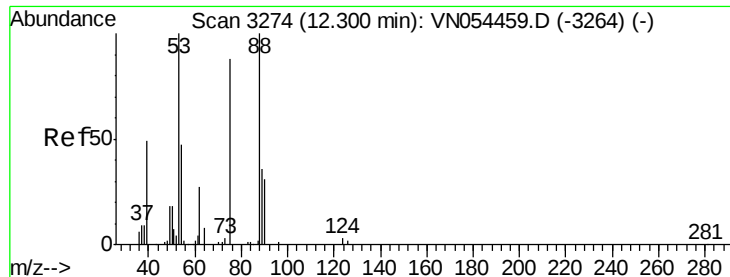
Tgt Ion: 105 Resp: 97596

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 3.779 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

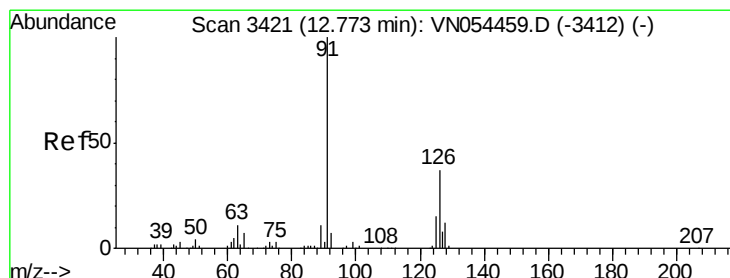
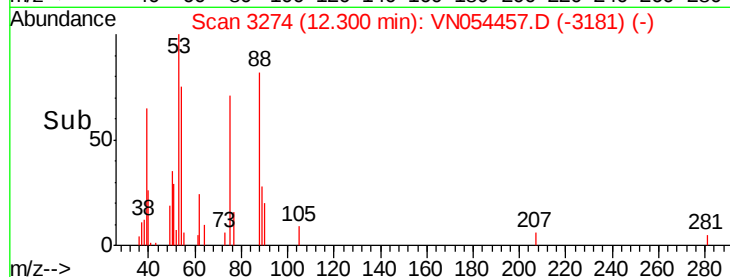
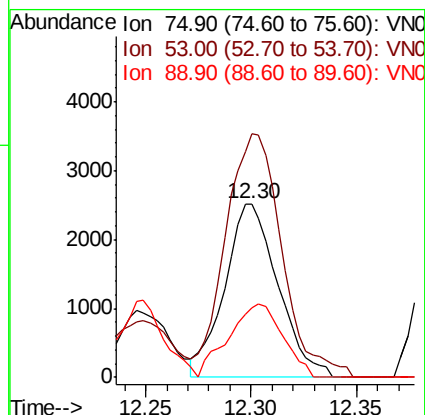
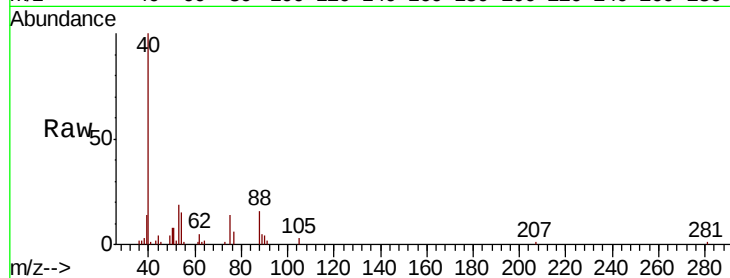
Tgt Ion: 75 Resp: 4422

Ion Ratio Lower Upper

75 100

53 148.7 76.2 114.2#

89 42.9 39.2 58.8



#82

4-Chlorotoluene

Concen: 5.321 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054457.D

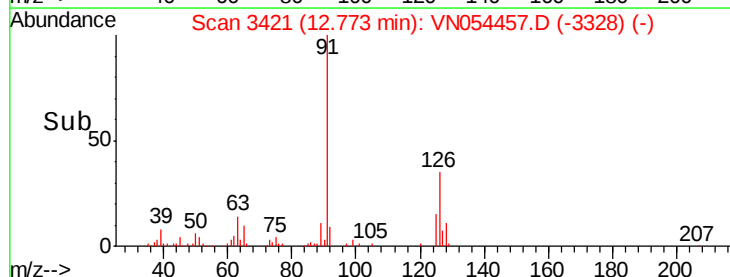
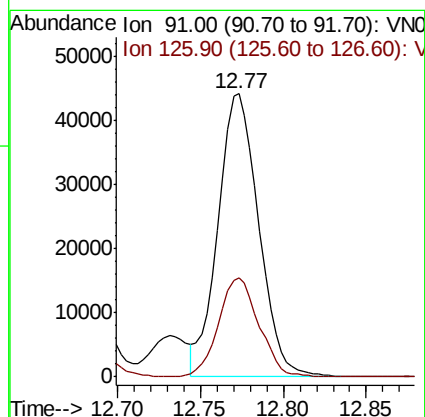
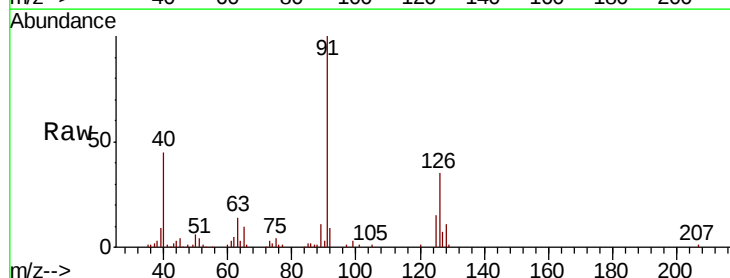
Acq: 20 Mar 2019 10:47

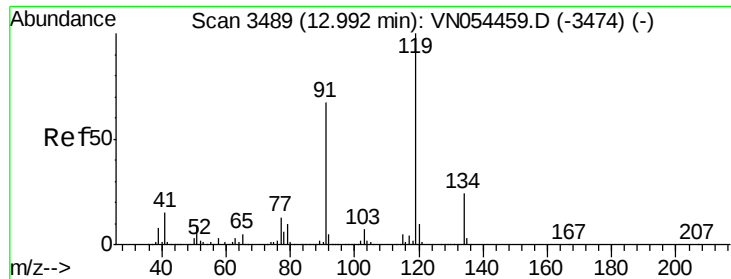
Tgt Ion: 91 Resp: 75427

Ion Ratio Lower Upper

91 100

126 34.7 18.1 54.1

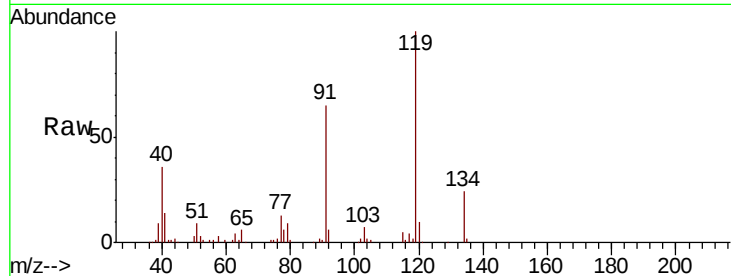




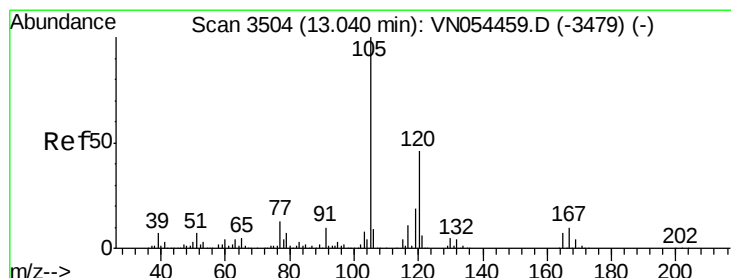
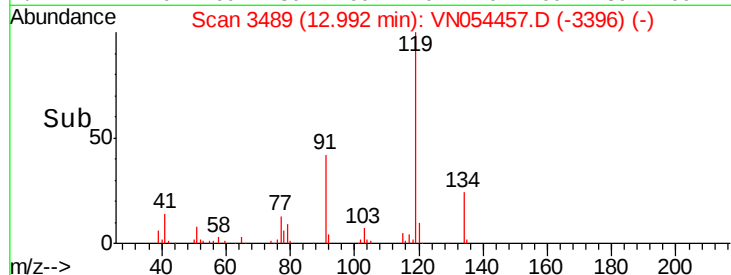
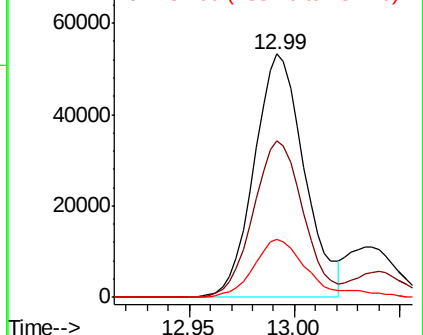
#83
 tert-Butylbenzene
 Concen: 5.280 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 87972
 Ion Ratio Lower Upper
 119 100
 91 64.1 30.9 92.8
 134 24.4 13.2 39.6

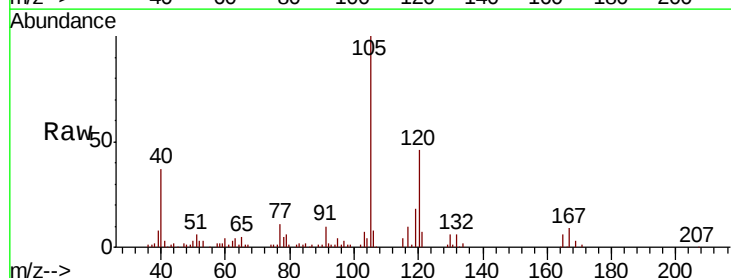


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

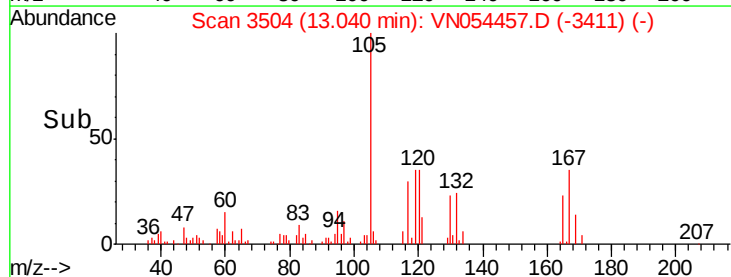
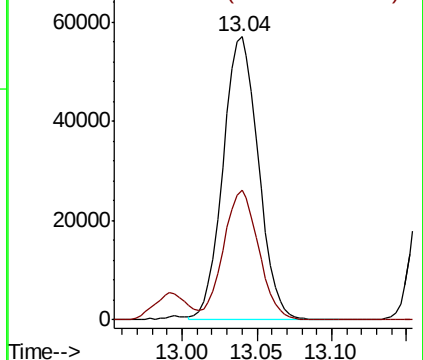


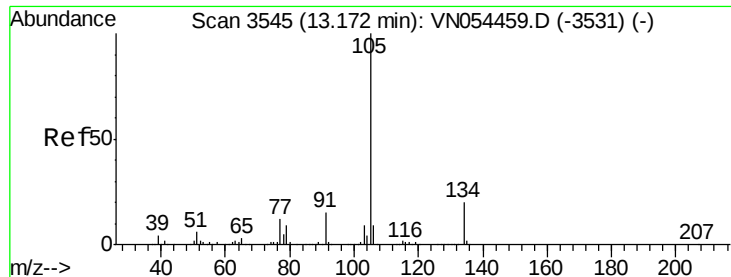
#84
 1,2,4-Trimethylbenzene
 Concen: 5.305 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion:105 Resp: 94192
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.4 70.3



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

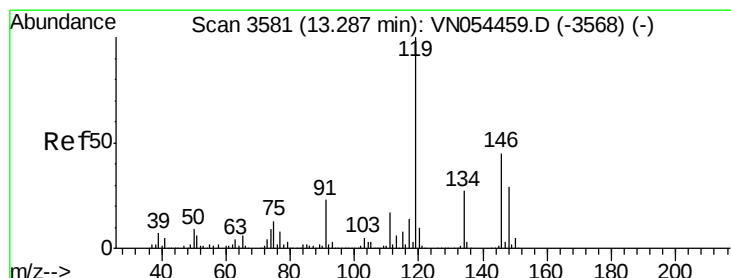
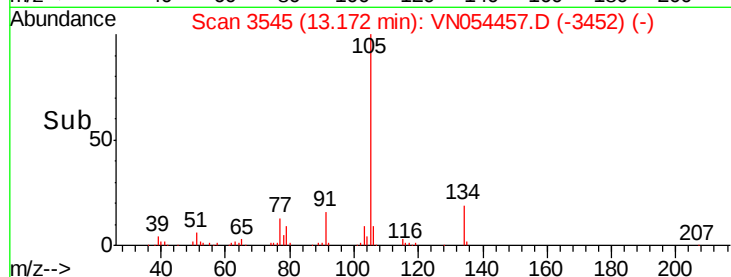
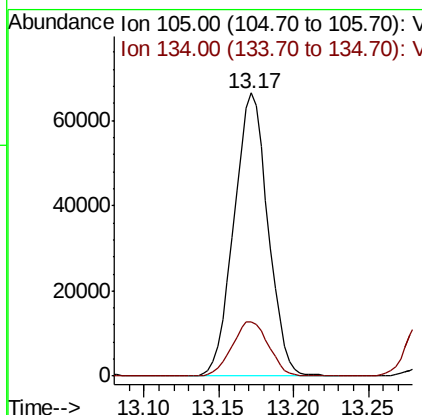
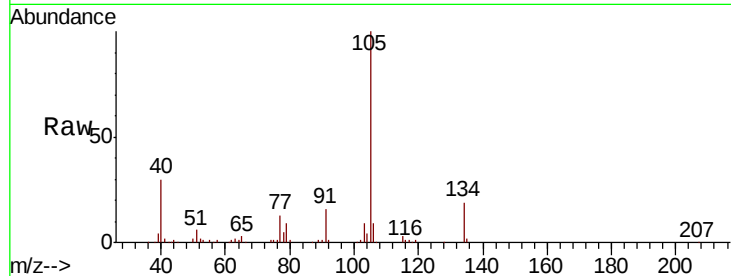




#85
 sec-Butylbenzene
 Concen: 4.862 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

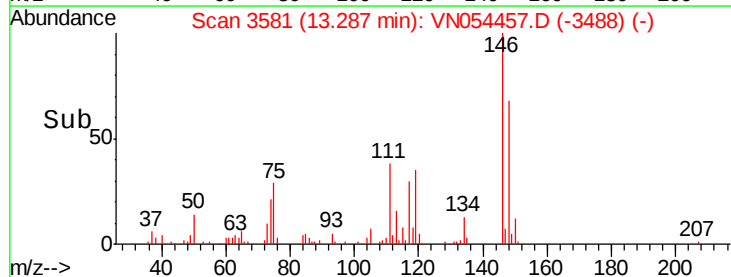
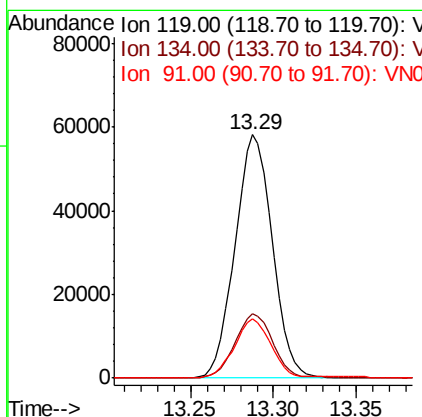
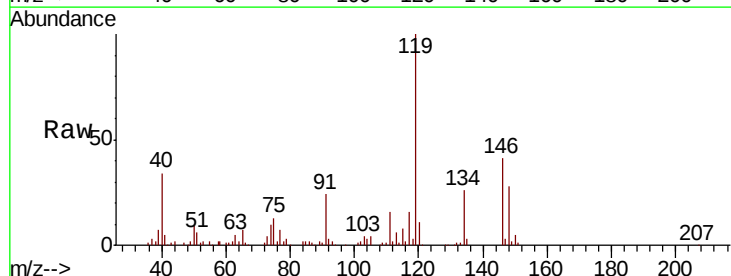
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

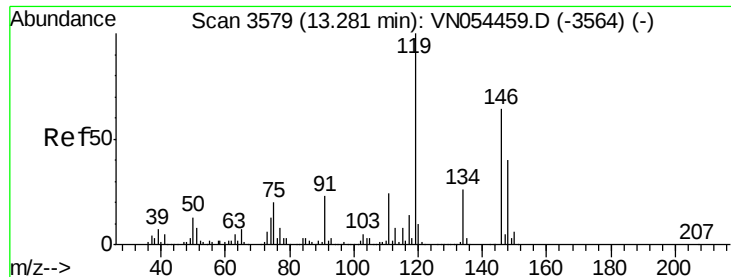
Tgt Ion:105 Resp: 105040
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 4.804 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion:119 Resp: 91055
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.6 40.8
 91 23.9 11.1 33.3

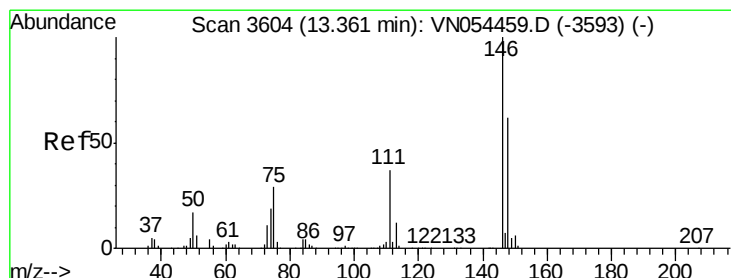
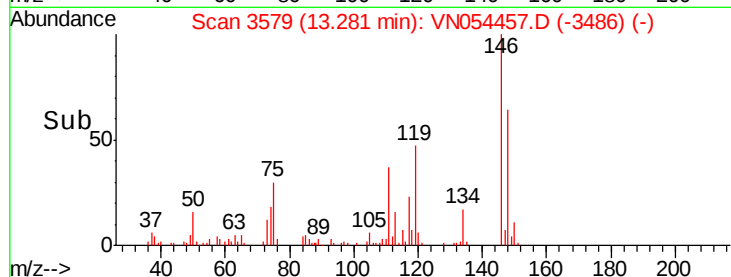
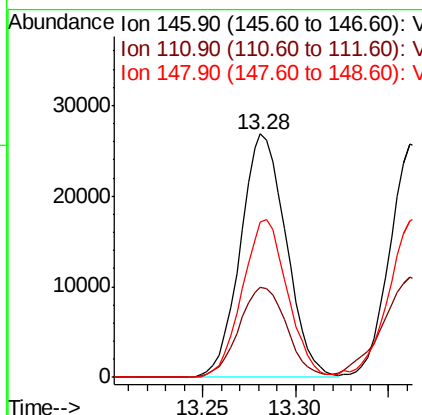
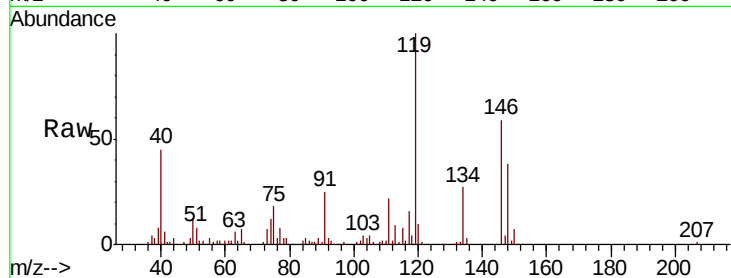




#87
 1,3-Dichlorobenzene
 Concen: 4.739 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

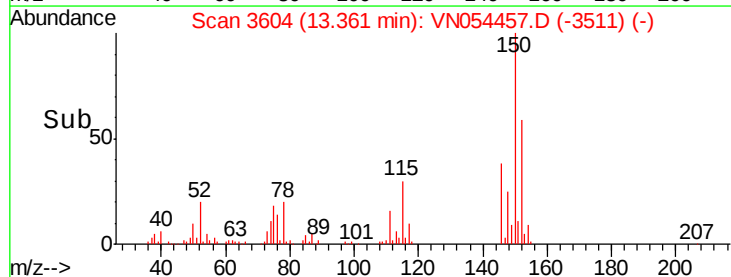
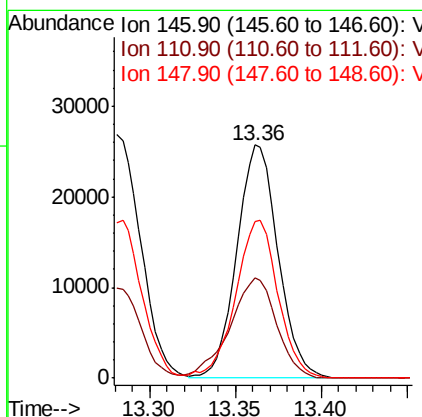
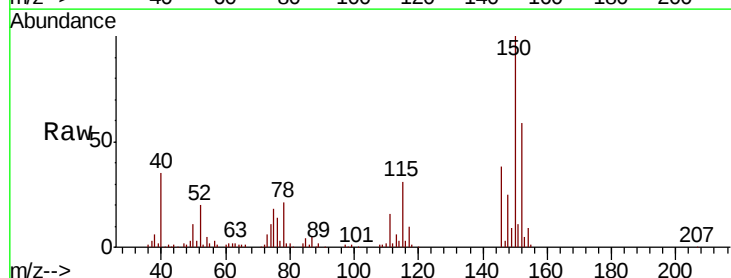
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

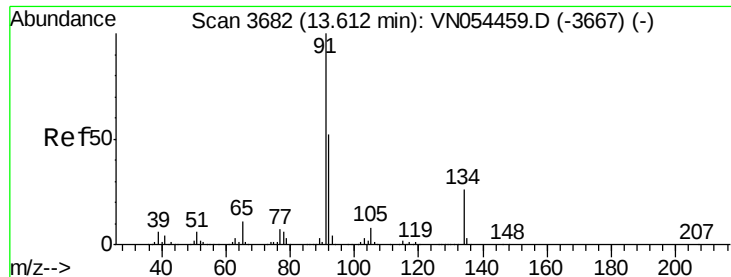
Tgt Ion:146 Resp: 45983
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.8 56.3
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 4.509 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion:146 Resp: 42979
 Ion Ratio Lower Upper
 146 100
 111 48.7 18.1 54.1
 148 69.5 32.0 96.0





#89

n-Butylbenzene

Concen: 4.736 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

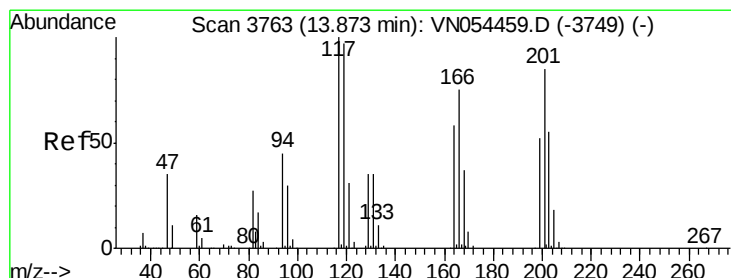
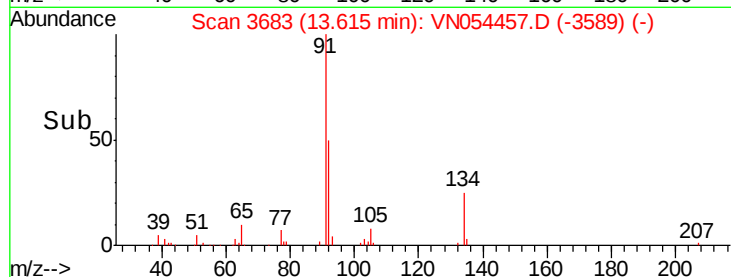
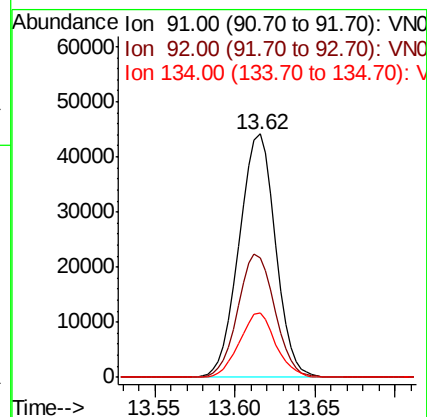
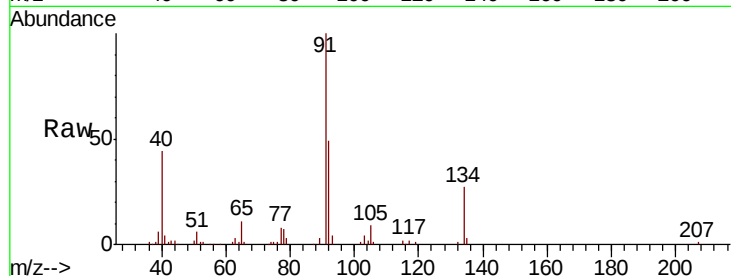
Tgt Ion: 91 Resp: 68208

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.6

134 26.5 14.3 42.9



#90

Hexachloroethane

Concen: 4.243 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054457.D

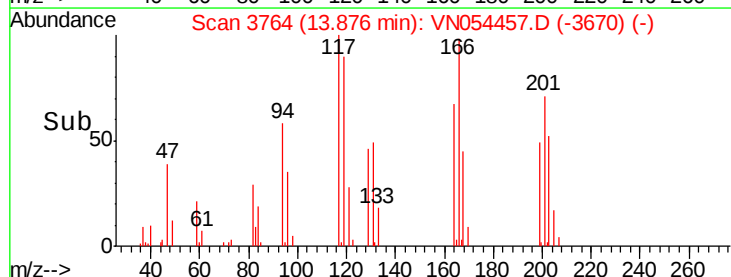
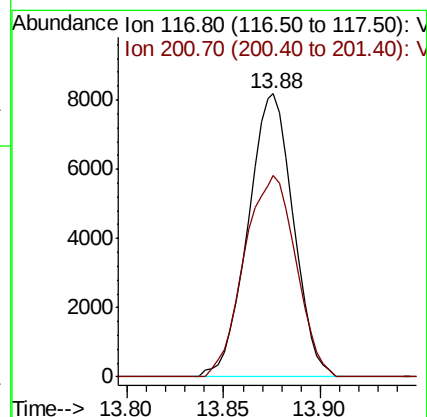
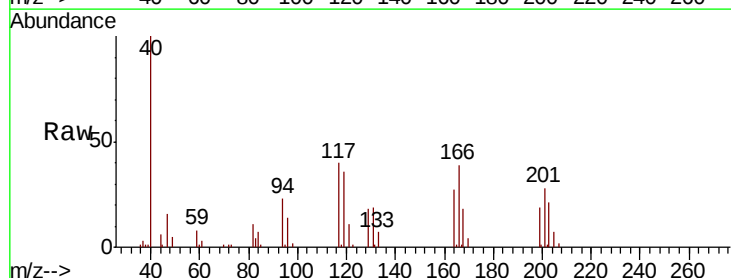
Acq: 20 Mar 2019 10:47

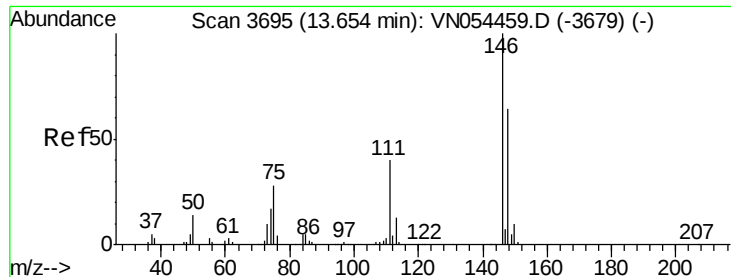
Tgt Ion: 117 Resp: 13317

Ion Ratio Lower Upper

117 100

201 81.0 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 4.746 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

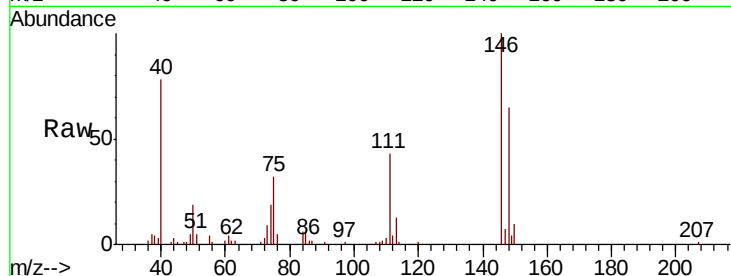
Tgt Ion:146 Resp: 45016

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

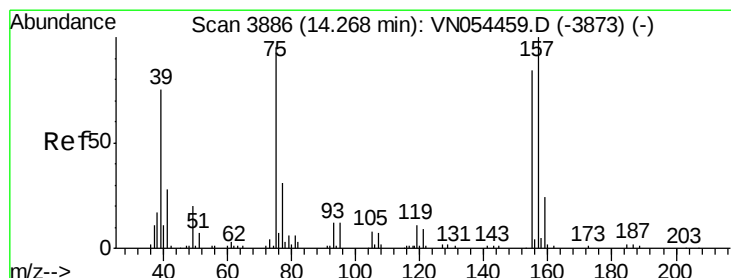
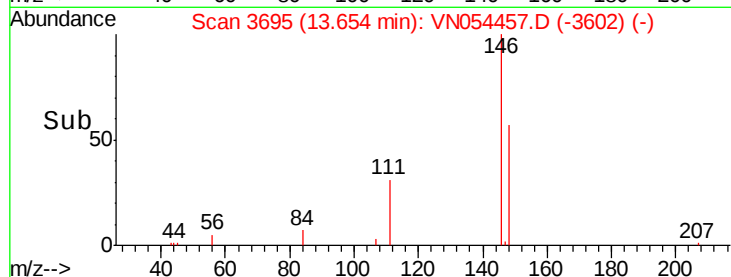
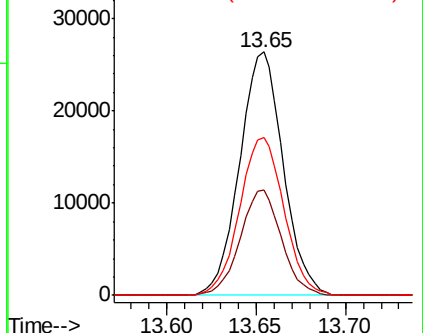
148 65.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.895 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054457.D

Acq: 20 Mar 2019 10:47

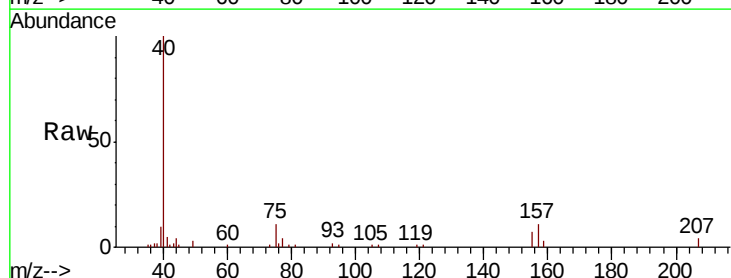
Tgt Ion: 75 Resp: 3512

Ion Ratio Lower Upper

75 100

155 67.9 50.1 150.3

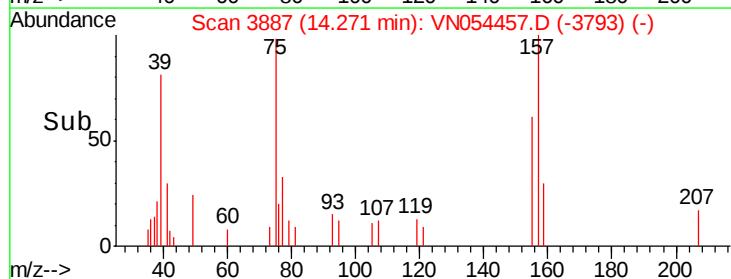
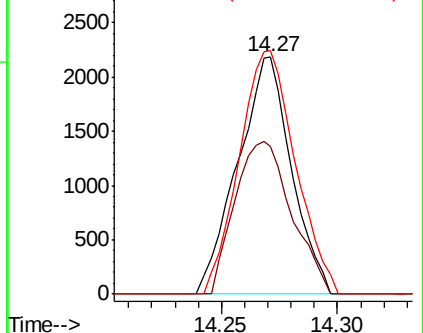
157 107.0 63.1 189.3

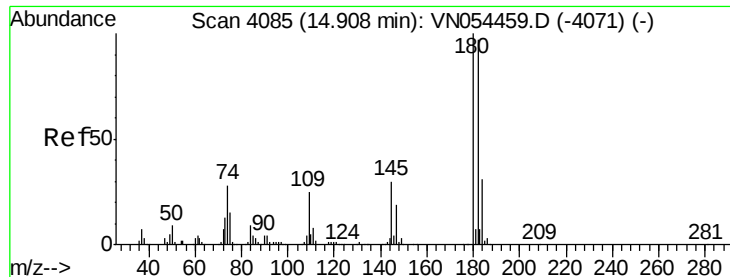


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

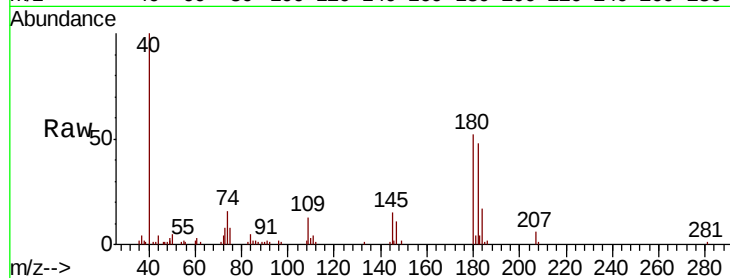




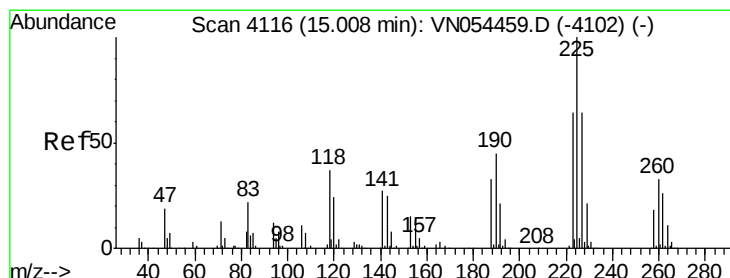
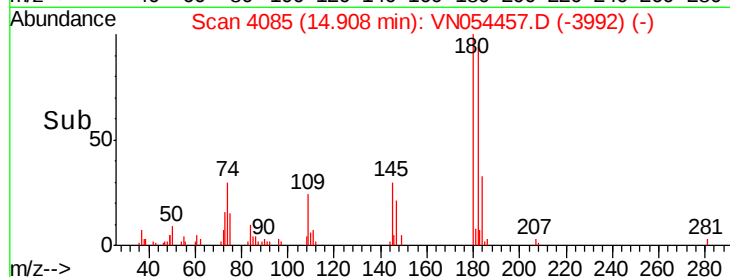
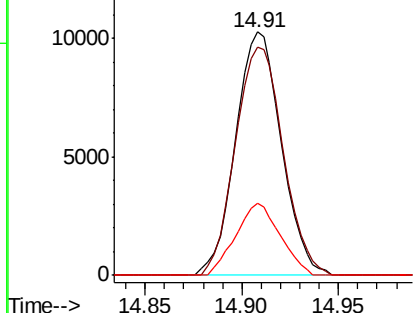
#93
 1,2,4-Trichlorobenzene
 Concen: 3.453 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion:180 Resp: 16925
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.0 144.2
 145 28.8 14.2 42.8

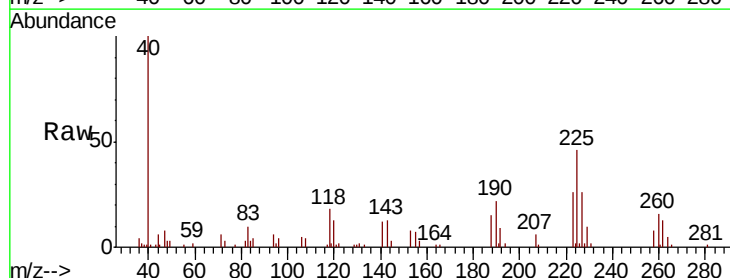


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

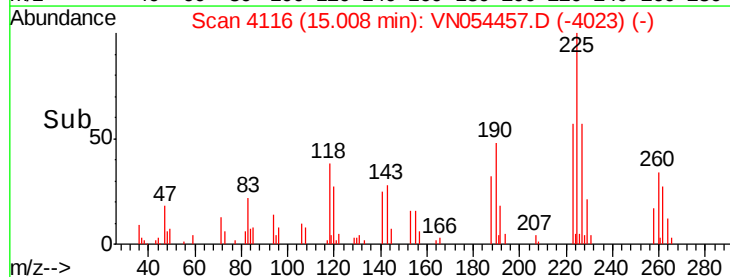
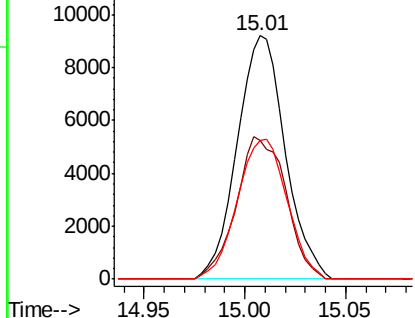


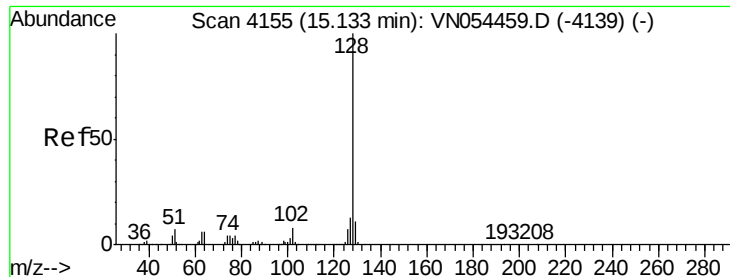
#94
 Hexachlorobutadiene
 Concen: 4.239 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054457.D
 Acq: 20 Mar 2019 10:47

Tgt Ion:225 Resp: 15316
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.1 93.5
 227 59.5 31.9 95.9



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

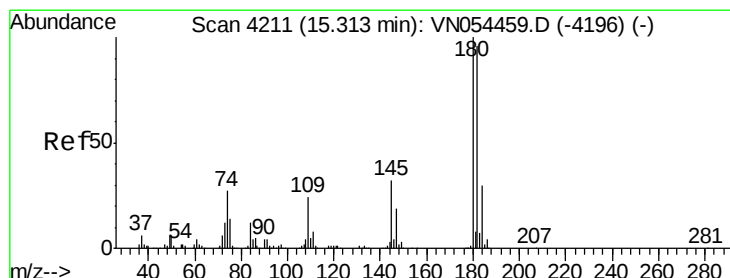
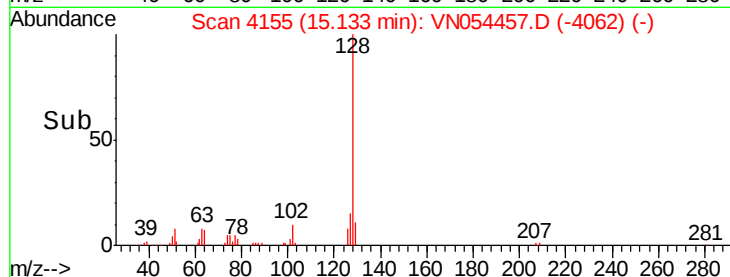
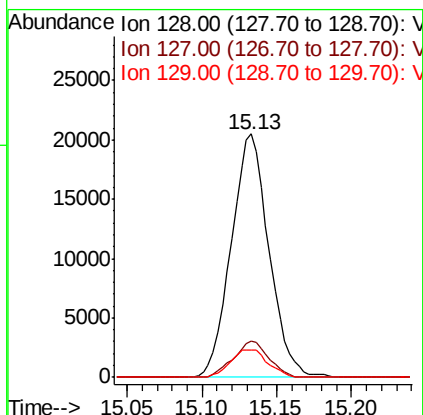
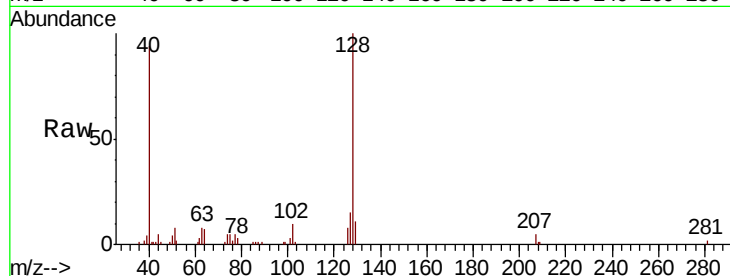




#95
Naphthalene
Concen: 3.562 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 35917
Ion Ratio Lower Upper
128 100
127 13.8 10.1 15.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.574 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054457.D
Acq: 20 Mar 2019 10:47

Tgt Ion:180 Resp: 18012
Ion Ratio Lower Upper
180 100
182 97.5 47.5 142.6
145 30.3 14.8 44.3

