

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032019\
 Data File : VN054461.D
 Acq On : 20 Mar 2019 12:36
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 20 12:59:21 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	7.67	168	579795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	903005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	803986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1001390	162.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.26%	
35) Dibromofluoromethane	7.59	113	849361	145.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.68%	
50) Toluene-d8	10.09	98	3218073	149.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.24%	
62) 4-Bromofluorobenzene	12.40	95	1135284	150.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	820550	149.327	ug/l	99
3) Chloromethane	2.06	50	1048931	196.515	ug/l	100
4) Vinyl Chloride	2.19	62	1073583	175.974	ug/l	99
5) Bromomethane	2.55	94	644046	152.424	ug/l	98
6) Chloroethane	2.70	64	619825	167.916	ug/l	98
7) Trichlorofluoromethane	3.02	101	1282126	158.068	ug/l	99
8) Diethyl Ether	3.41	74	483175	130.719	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.75	101	729876	120.080	ug/l	97
10) Methyl Iodide	3.94	142	1203931	150.555	ug/l	95
11) Tert butyl alcohol	4.82	59	321760	762.248	ug/l	99
12) 1,1-Dichloroethene	3.73	96	749933	124.503	ug/l	84
13) Acrolein	3.61	56	478945	1197.378	ug/l	99
14) Allyl chloride	4.31	41	1554976	201.206	ug/l #	91
15) Acrylonitrile	4.99	53	1618628	933.497	ug/l	100
16) Acetone	3.82	43	1383212	784.571	ug/l	88
17) Carbon Disulfide	4.04	76	2283996	151.260	ug/l	99
18) Methyl Acetate	4.33	43	696287	195.209	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	2341379	156.821	ug/l	96
20) Methylene Chloride	4.54	84	871907	150.616	ug/l #	85
21) trans-1,2-Dichloroethene	5.03	96	838838	145.348	ug/l	87
22) Diisopropyl ether	5.96	45	3055864	198.121	ug/l #	93
23) Vinyl Acetate	5.90	43	11564527	1016.893	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	1603704	161.931	ug/l	99
25) 2-Butanone	6.85	43	2113415	1021.348	ug/l	90
26) 2,2-Dichloropropane	6.82	77	1202887	138.116	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	964899	149.864	ug/l	89
28) Bromochloromethane	7.19	49	792563	195.756	ug/l #	77
29) Tetrahydrofuran	7.22	42	1362823	1024.336	ug/l	87
30) Chloroform	7.37	83	1555432	150.510	ug/l	99
31) Cyclohexane	7.65	56	1552003	145.584	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	1366108	146.369	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1243028	149.476	ug/l	97
37) Ethyl Acetate	6.94	43	902185	188.812	ug/l	97
38) Carbon Tetrachloride	7.77	117	1222808	140.219	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1411305	137.934	ug/l	91
40) Benzene	8.04	78	3562617	149.710	ug/l	100
41) Methacrylonitrile	7.17	41	537682	197.082	ug/l	88
42) 1,2-Dichloroethane	8.12	62	1235585	153.791	ug/l	98
43) Isopropyl Acetate	8.17	43	1636456	195.116	ug/l #	95
44) Trichloroethene	8.83	130	974378	131.808	ug/l	95
45) 1,2-Dichloropropane	9.12	63	974269	164.880	ug/l	98
46) Dibromomethane	9.21	93	573035	143.529	ug/l	92
47) Bromodichloromethane	9.40	83	1240359	154.971	ug/l	98
48) Methyl methacrylate	9.20	41	868884	204.140	ug/l	87
49) 1,4-Dioxane	9.20	88	178744	2968.923	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	4456604	1004.079	ug/l	95
52) Toluene	10.16	92	2229122	147.734	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1316845	161.650	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1503961	161.249	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	797621	144.773	ug/l	97
56) Ethyl methacrylate	10.43	69	1188440	180.907	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1408263	156.322	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2522507	1013.661	ug/l	92
59) 2-Hexanone	10.75	43	2954004	1000.216	ug/l	94
60) Dibromochloromethane	10.90	129	962246	155.169	ug/l	99
61) 1,2-Dibromoethane	11.01	107	823584	147.099	ug/l	99
64) Tetrachloroethene	10.63	164	893631	114.961	ug/l	95
65) Chlorobenzene	11.43	112	2399010	135.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	910227	141.935	ug/l	99
67) Ethyl Benzene	11.51	91	4267437	145.828	ug/l	99
68) m/p-Xylenes	11.62	106	3229960	282.401	ug/l	98
69) o-Xylene	11.95	106	1552530	139.245	ug/l	98
70) Styrene	11.96	104	2680586	153.296	ug/l	98
71) Bromoform	12.13	173	629020	148.187	ug/l #	100
73) Isopropylbenzene	12.25	105	4097206	133.608	ug/l	99
74) N-amyl acetate	12.07	43	1392612	204.590	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	985522	150.840	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1244784	220.842	ug/l #	100
77) Bromobenzene	12.53	156	1047664	129.107	ug/l	88
78) n-propylbenzene	12.59	91	4576204	137.528	ug/l	97
79) 2-Chlorotoluene	12.68	91	2749712	137.437	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3446635	135.121	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	279748	169.662	ug/l	92
82) 4-Chlorotoluene	12.77	91	2848291	142.574	ug/l	96
83) tert-Butylbenzene	12.99	119	2876920	122.535	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3438423	137.404	ug/l	98
85) sec-Butylbenzene	13.17	105	3686984	121.091	ug/l	98
86) p-Isopropyltoluene	13.29	119	3421547	128.089	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1783021	130.400	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1760082	131.033	ug/l	99
89) n-Butylbenzene	13.62	91	2848857	140.364	ug/l	99
90) Hexachloroethane	13.88	117	600294	135.718	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	1700071	127.183	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	160370	158.621	ug/l	90

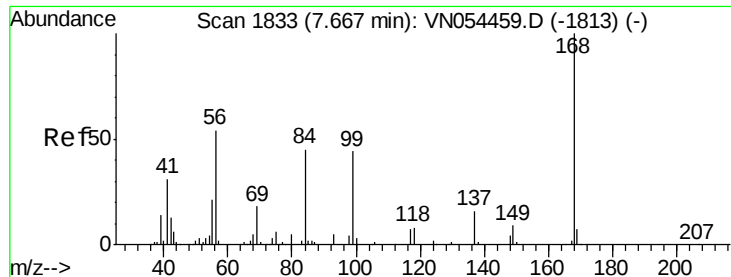
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1012032	146.491	ug/l	98
94) Hexachlorobutadiene	15.01	225	495293	97.278	ug/l	99
95) Naphthalene	15.13	128	2338532	164.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	957120	134.763	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

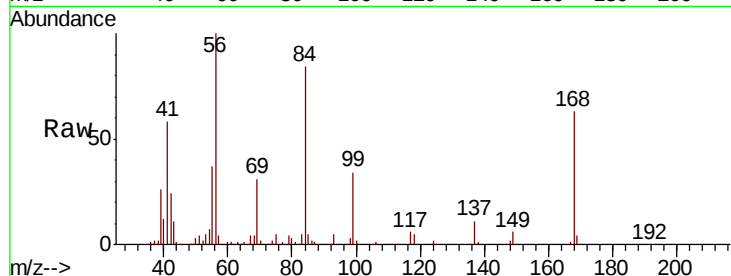
VSTDIC150

Tgt Ion:168 Resp: 579795

Ion Ratio Lower Upper

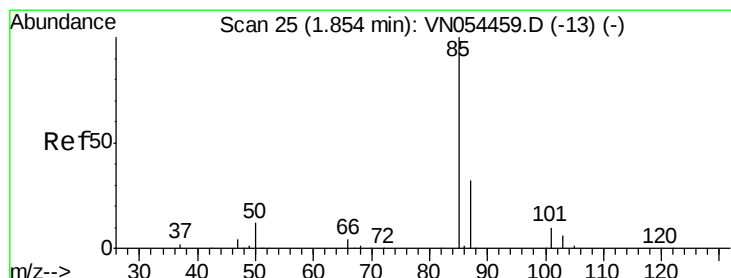
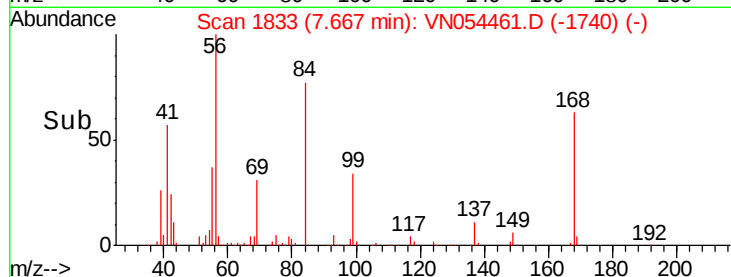
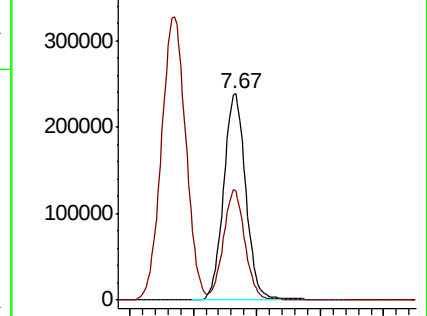
168 100

99 52.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 149.327 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054461.D

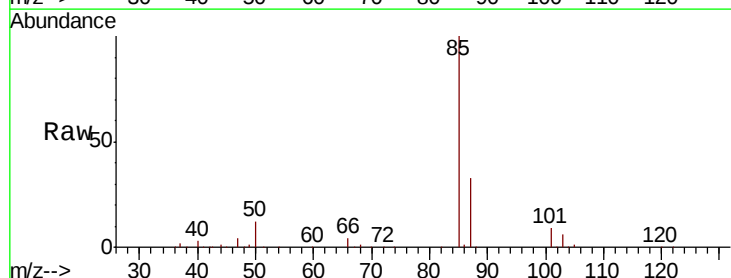
Acq: 20 Mar 2019 12:36

Tgt Ion: 85 Resp: 820550

Ion Ratio Lower Upper

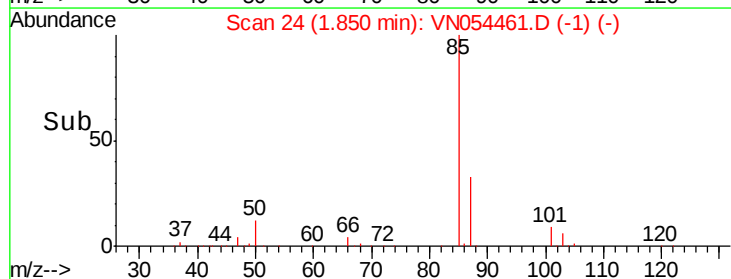
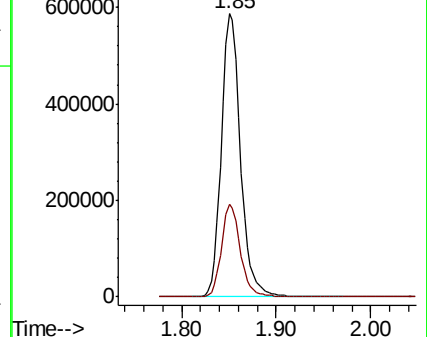
85 100

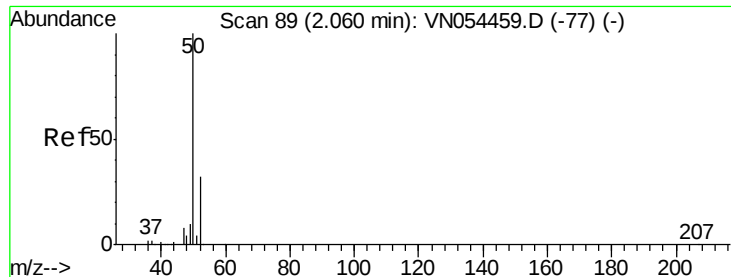
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 196.515 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

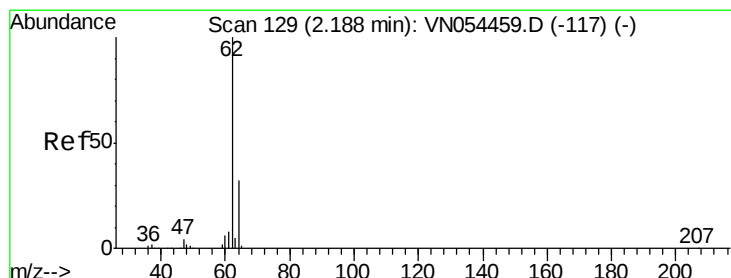
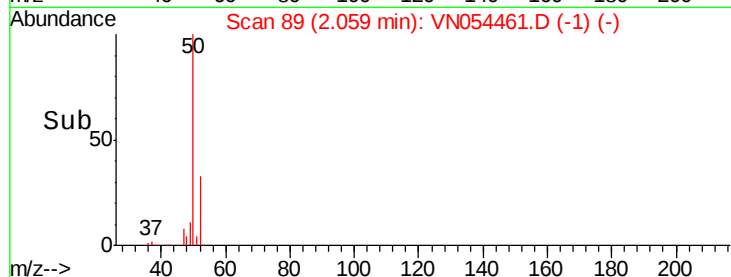
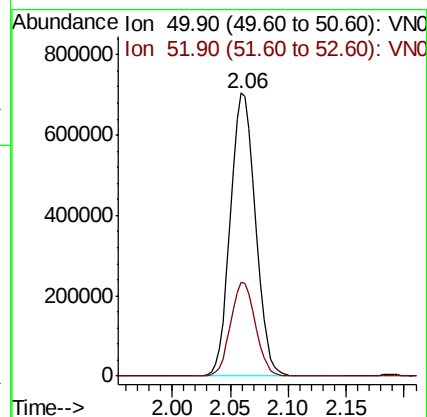
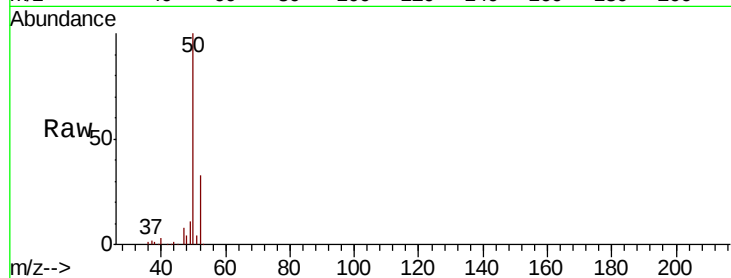
VSTDIC150

Tgt Ion: 50 Resp: 1048931

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



#4

Vinyl Chloride

Concen: 175.974 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054461.D

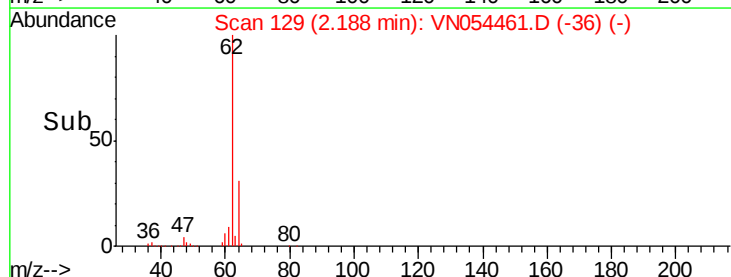
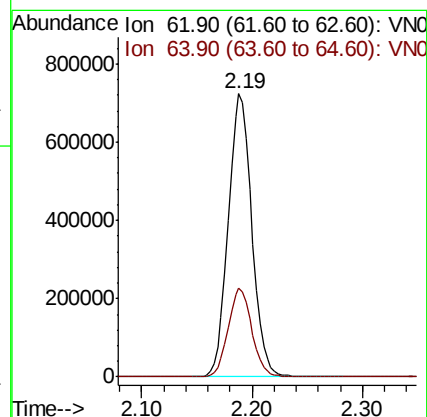
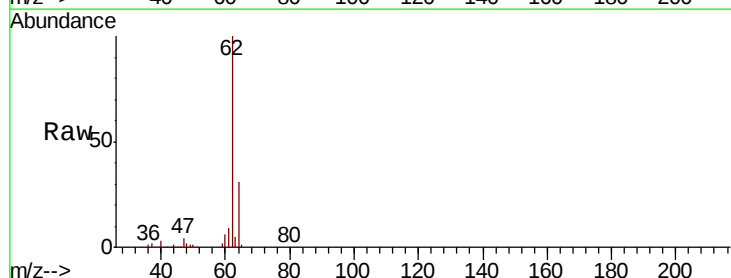
Acq: 20 Mar 2019 12:36

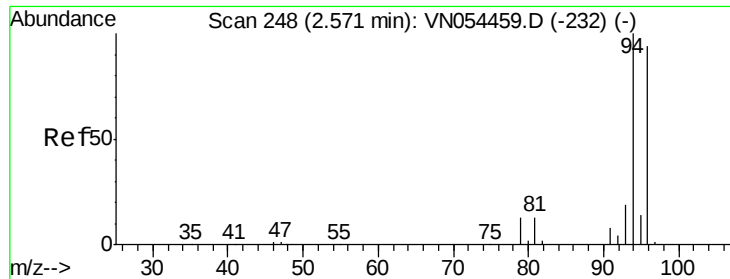
Tgt Ion: 62 Resp: 1073583

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 152.424 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

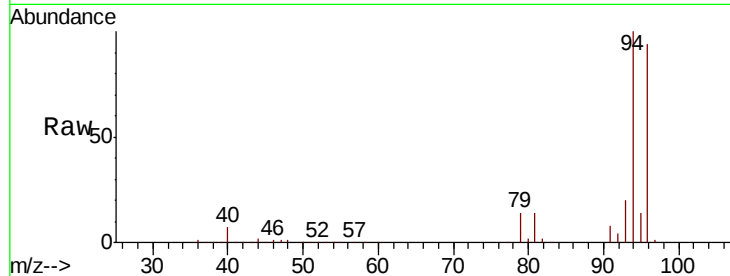
VSTDIC150

Tgt Ion: 94 Resp: 644046

Ion Ratio Lower Upper

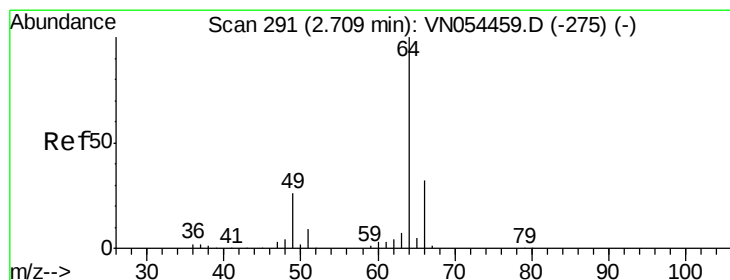
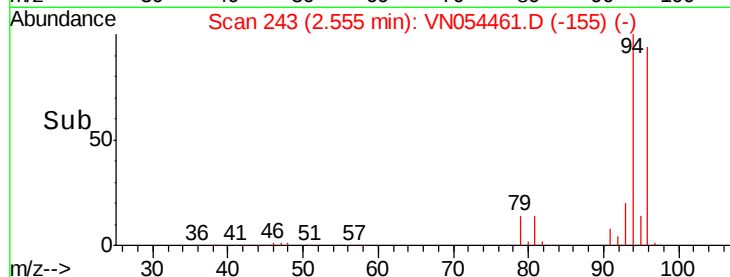
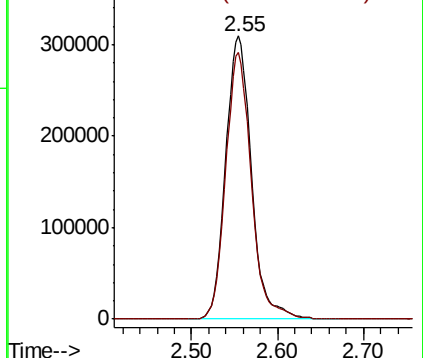
94 100

96 94.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 167.916 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN054461.D

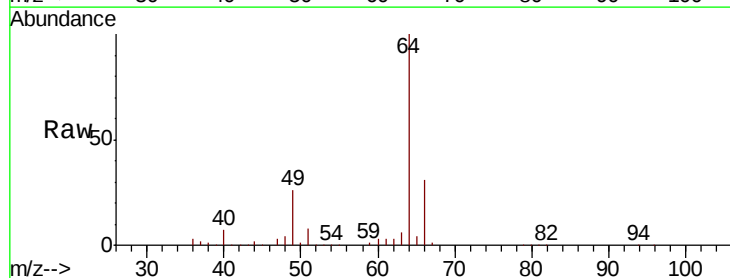
Acq: 20 Mar 2019 12:36

Tgt Ion: 64 Resp: 619825

Ion Ratio Lower Upper

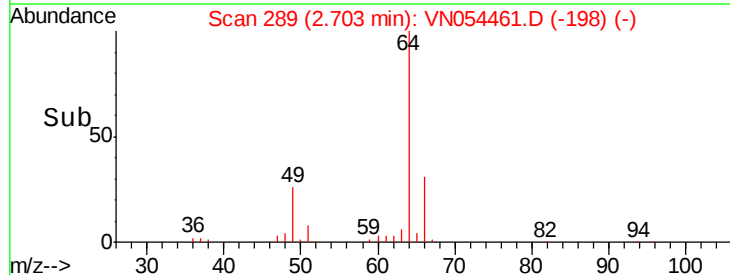
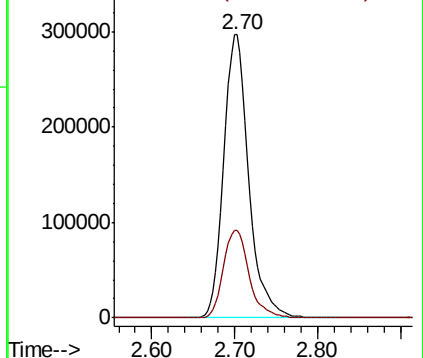
64 100

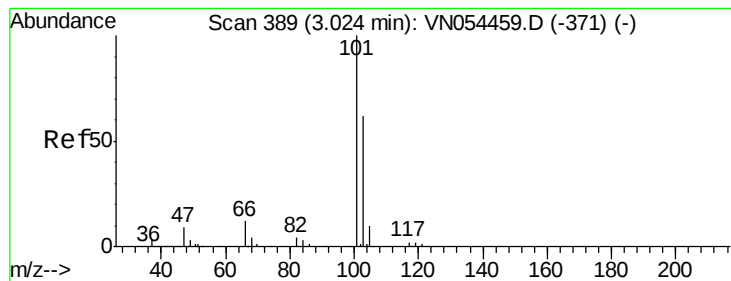
66 31.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



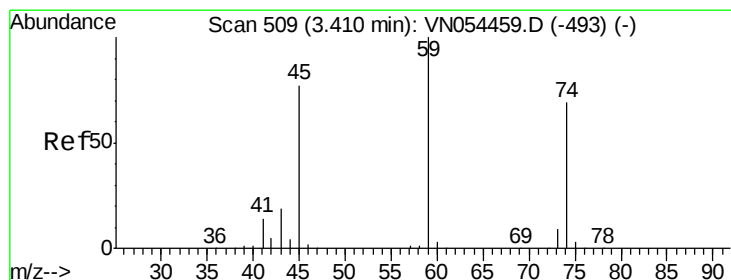
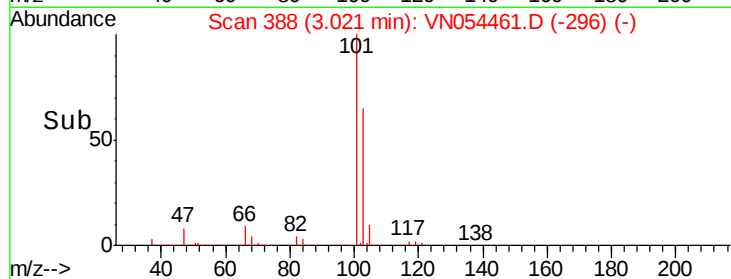
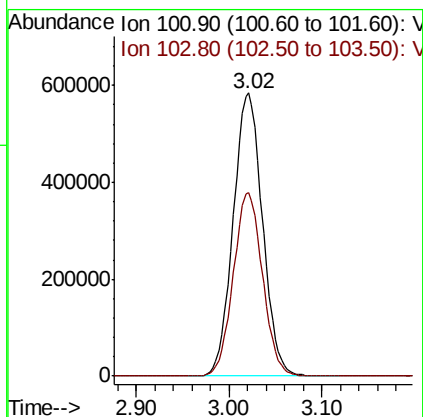
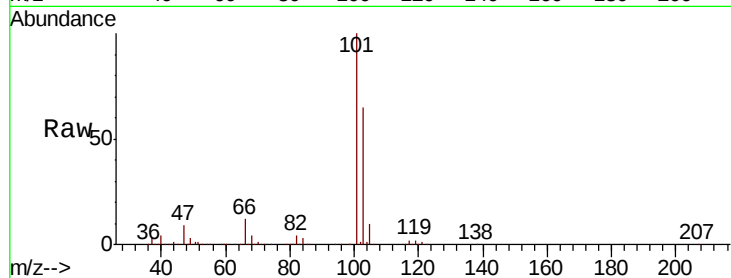


#7

Trichlorofluoromethane
 Concen: 158.068 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

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 VSTDIC150

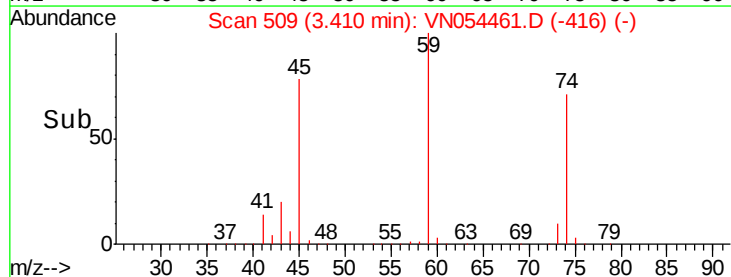
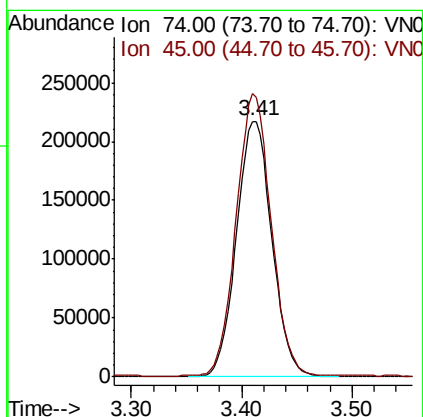
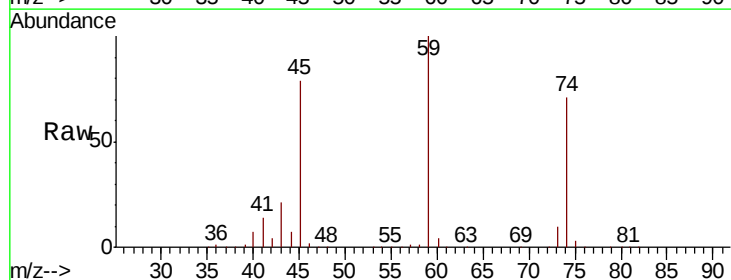
Tgt Ion:101 Resp: 1282126
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.2

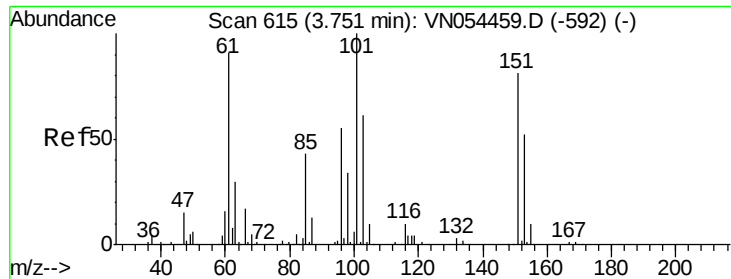


#8

Diethyl Ether
 Concen: 130.719 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 74 Resp: 483175
 Ion Ratio Lower Upper
 74 100
 45 109.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 120.080 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

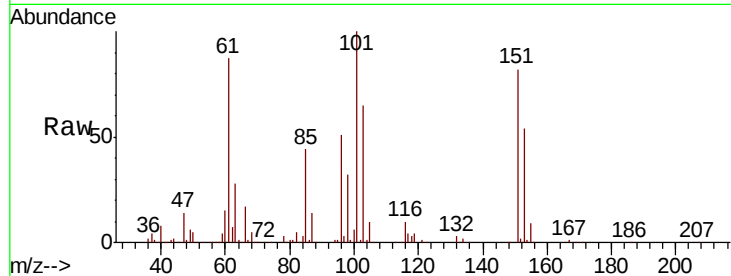
Tgt Ion:101 Resp: 729876

Ion Ratio Lower Upper

101 100

85 43.8 32.4 48.6

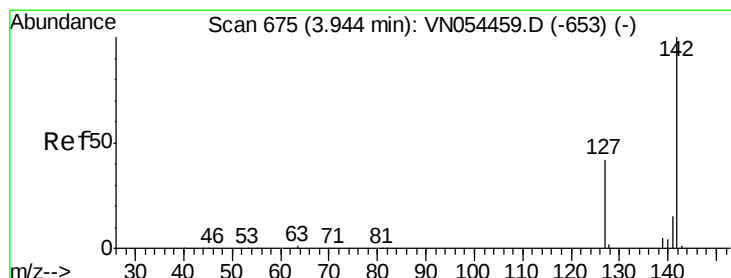
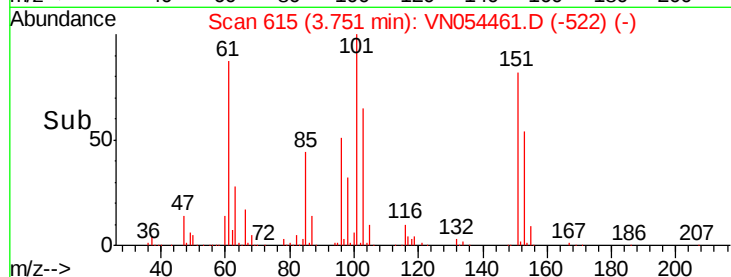
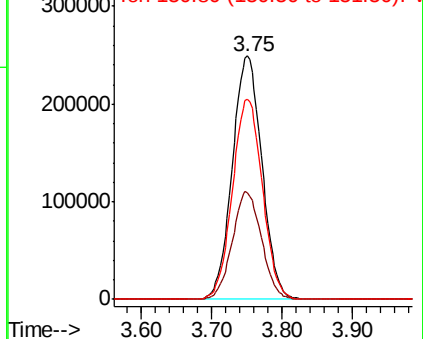
151 83.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 150.555 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

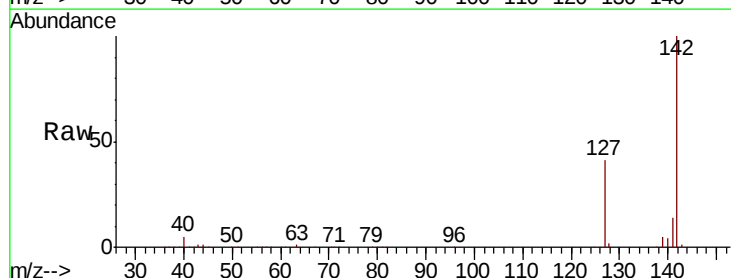
Tgt Ion:142 Resp: 1203931

Ion Ratio Lower Upper

142 100

127 41.7 30.3 45.5

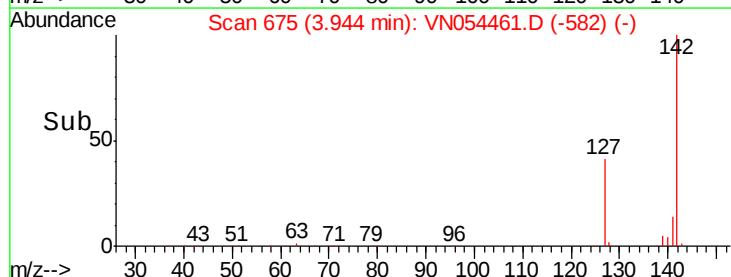
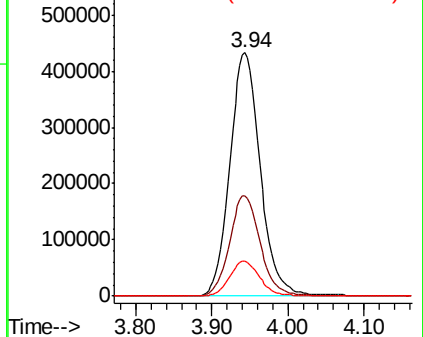
141 14.4 11.2 16.8

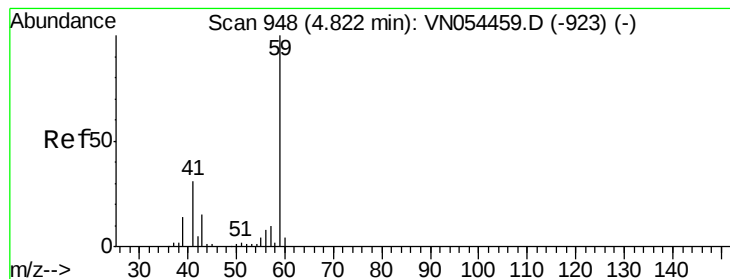


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



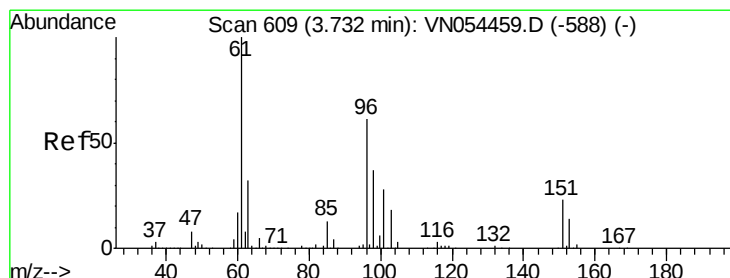
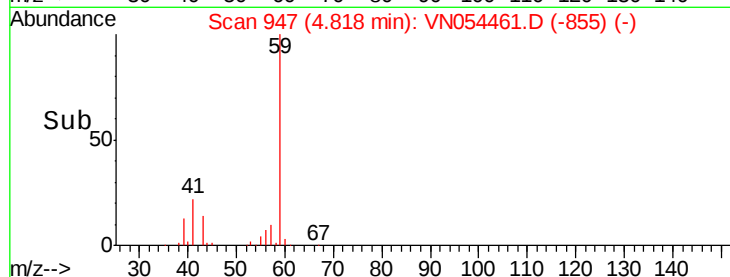
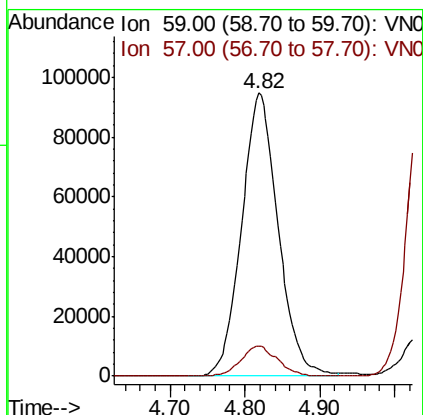
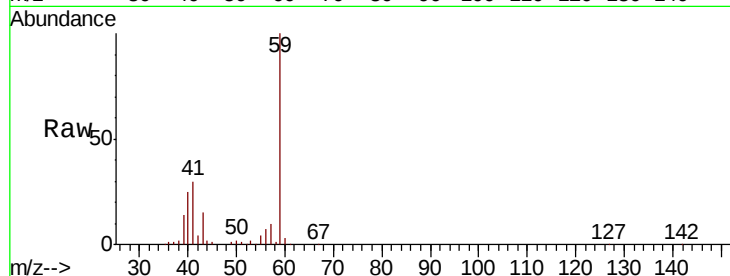


#11

Tert butyl alcohol
 Concen: 762.248 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

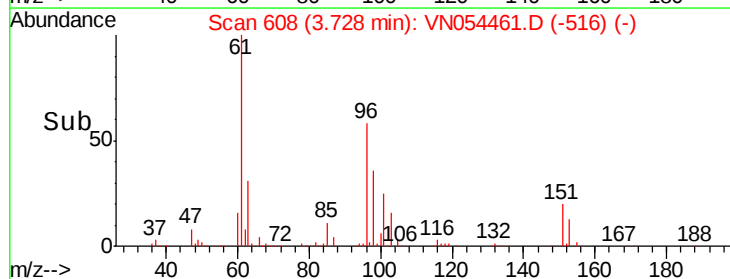
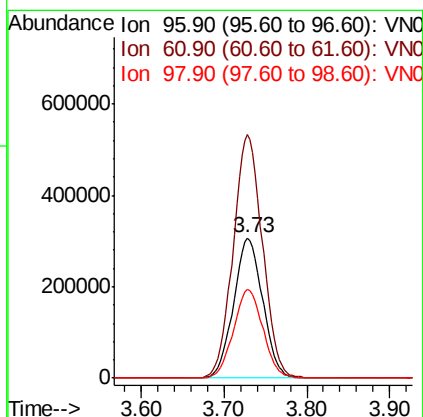
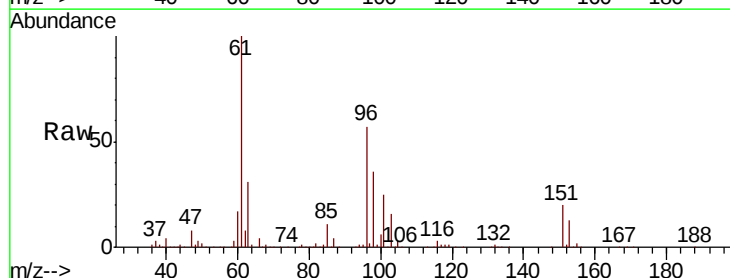
Tgt Ion: 59 Resp: 321760
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

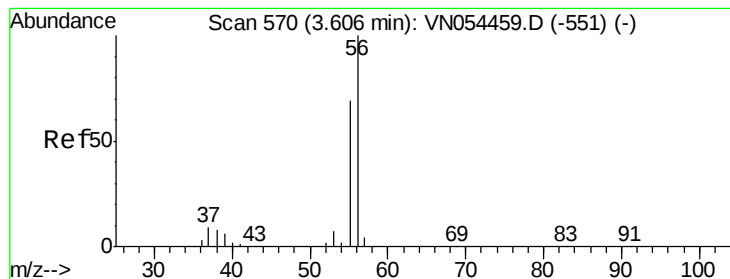


#12

1,1-Dichloroethene
 Concen: 124.503 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 96 Resp: 749933
 Ion Ratio Lower Upper
 96 100
 61 174.0 116.5 174.7
 98 63.4 51.0 76.4





#13

Acrolein

Concen: 1197.378 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

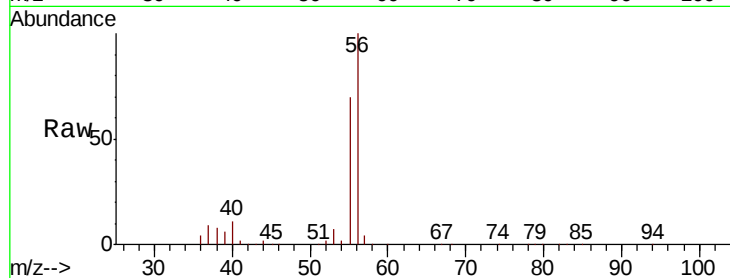
VSTDIC150

Tgt Ion: 56 Resp: 478945

Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054459.D (-551) (-)

3.61

200000

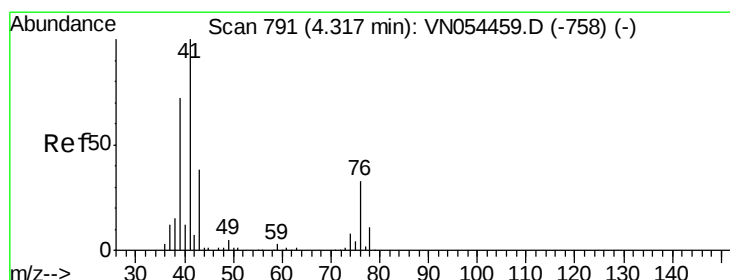
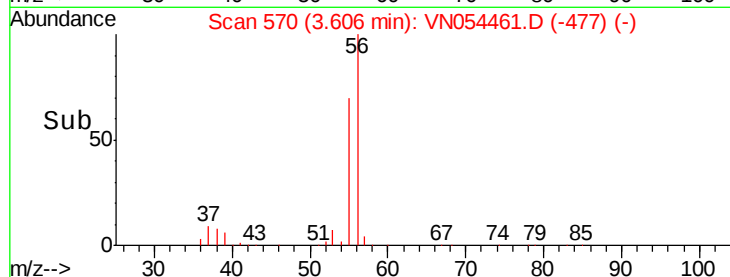
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 201.206 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

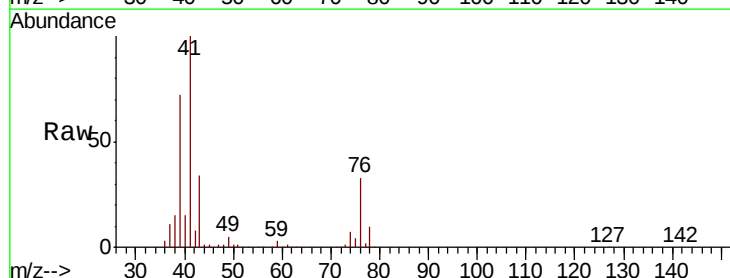
Tgt Ion: 41 Resp: 1554976

Ion Ratio Lower Upper

41 100

39 67.9 58.2 87.4

76 30.4 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN054459.D (-758) (-)

4.31

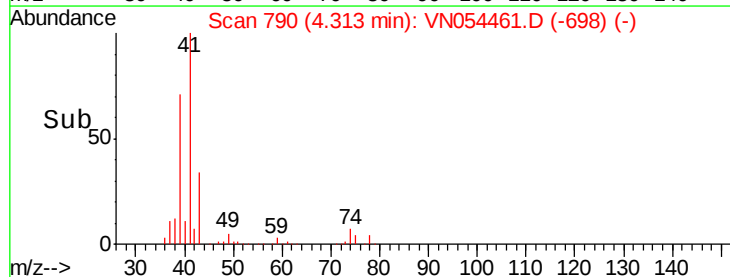
600000

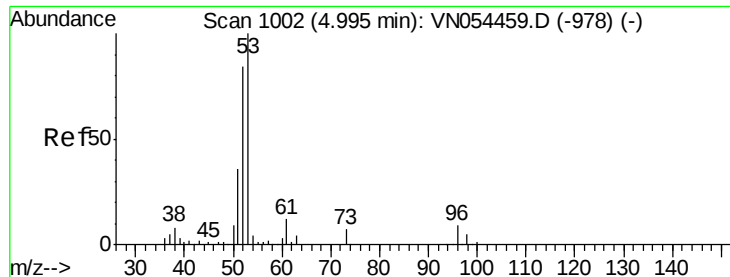
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 933.497 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

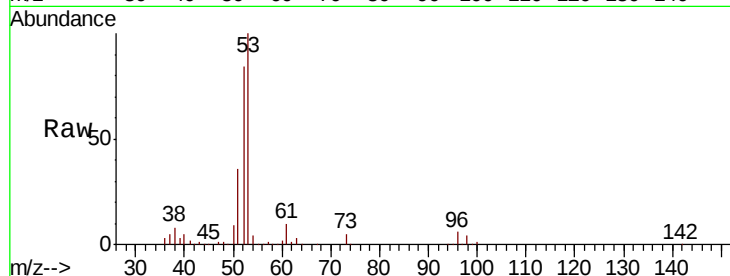
Tgt Ion: 53 Resp: 1618628

Ion Ratio Lower Upper

53 100

52 83.1 66.4 99.6

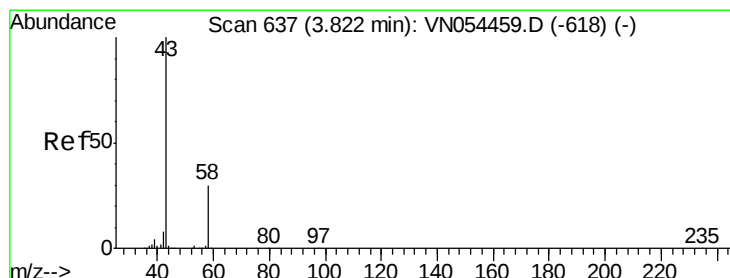
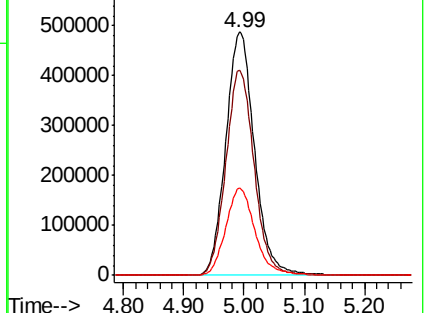
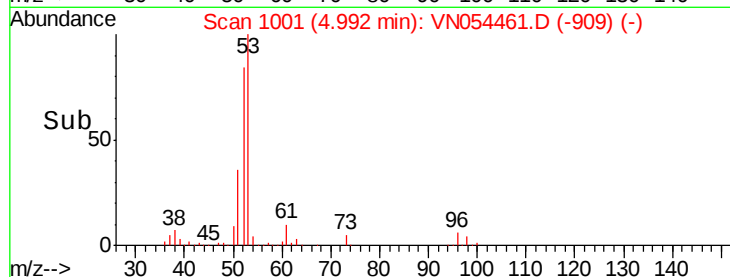
51 36.7 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054461.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN054461.D (-909) (-)

Ion 51.00 (50.70 to 51.70): VN054461.D (-909) (-)



#16

Acetone

Concen: 784.571 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054461.D

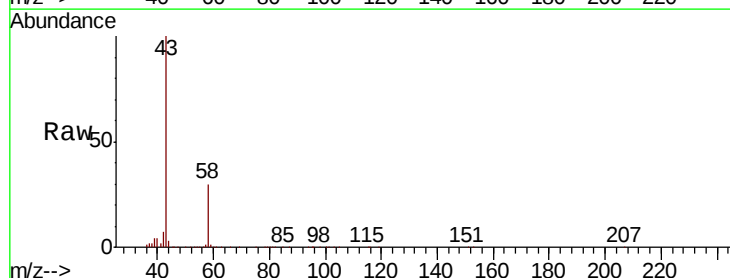
Acq: 20 Mar 2019 12:36

Tgt Ion: 43 Resp: 1383212

Ion Ratio Lower Upper

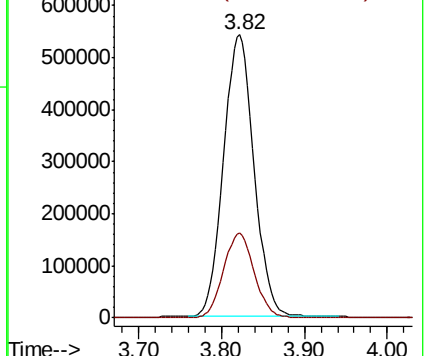
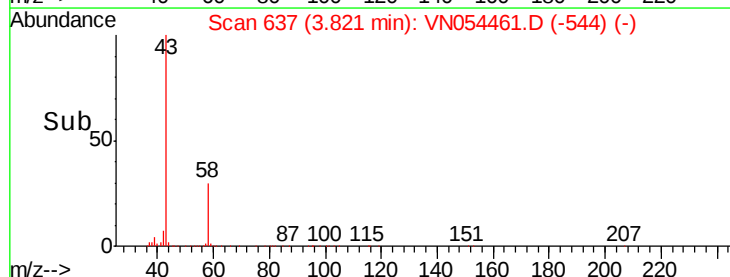
43 100

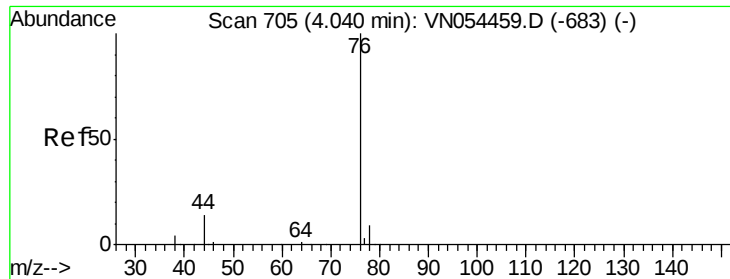
58 30.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054461.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054461.D (-544) (-)

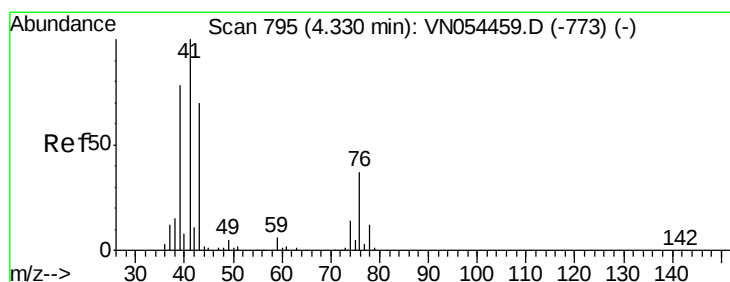
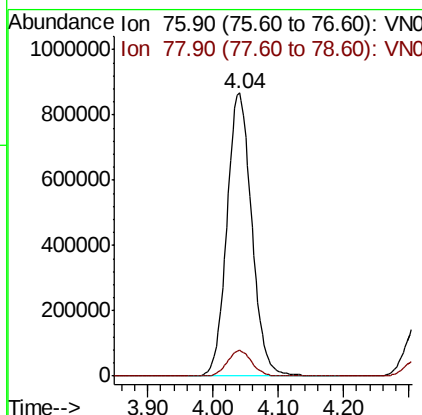
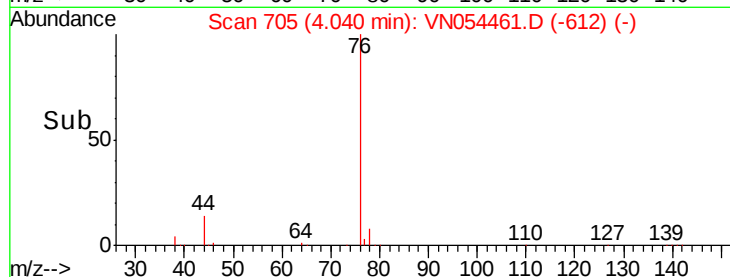
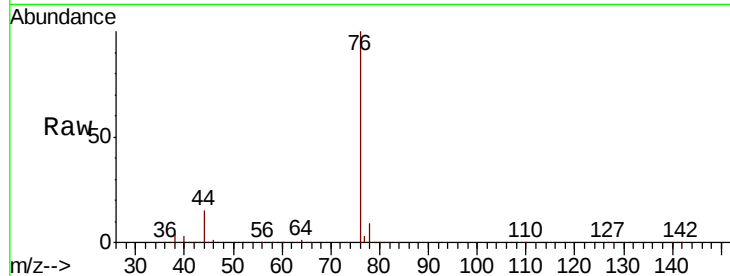




#17
Carbon Disulfide
Concen: 151.260 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

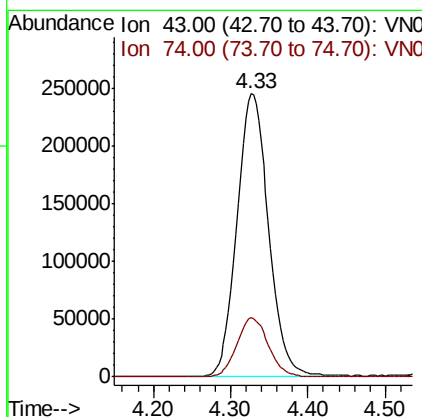
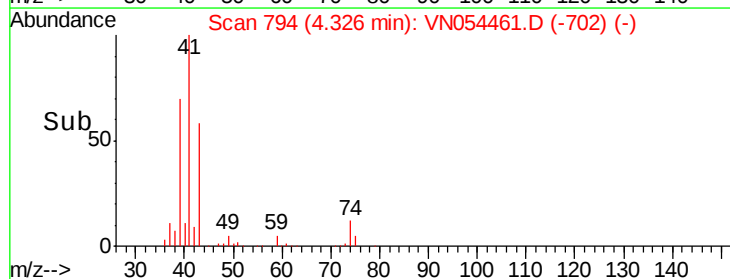
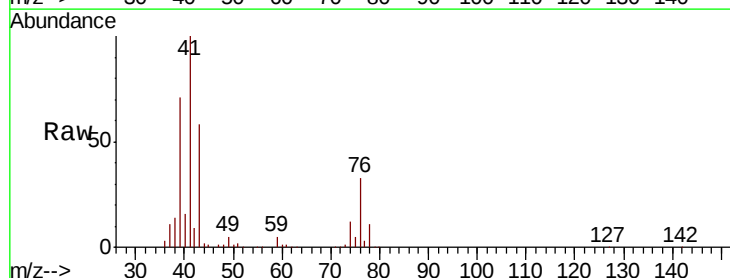
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

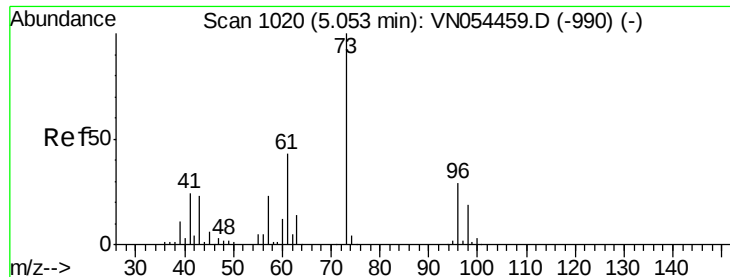
Tgt Ion: 76 Resp: 2283996
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 195.209 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 43 Resp: 696287
Ion Ratio Lower Upper
43 100
74 20.9 20.8 31.2

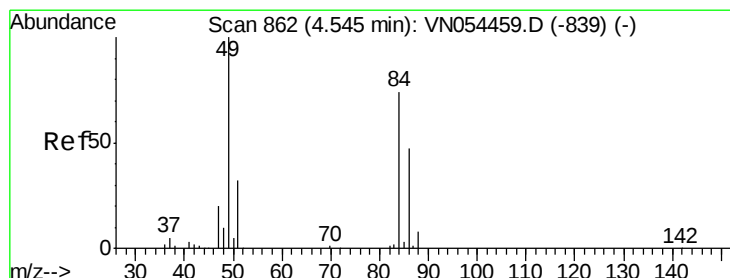
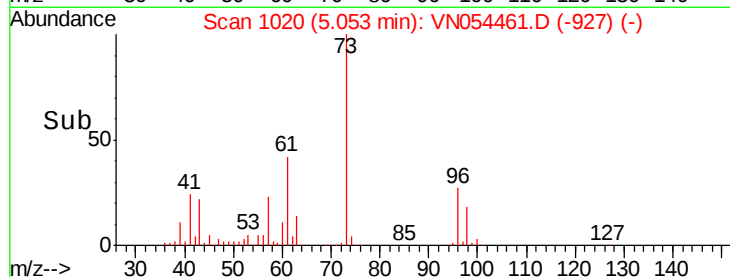
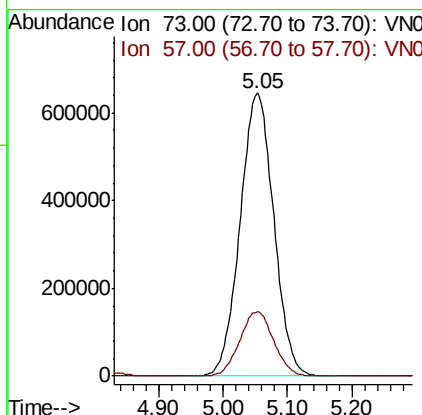
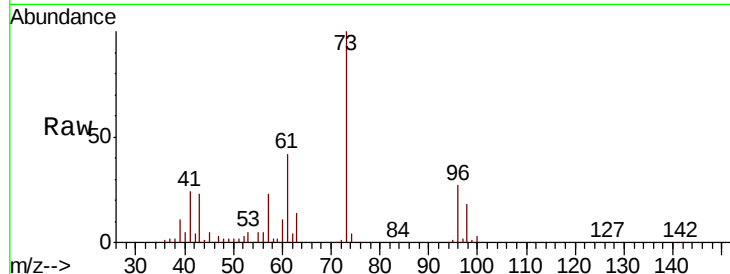




#19
Methyl tert-butyl Ether
Concen: 156.821 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

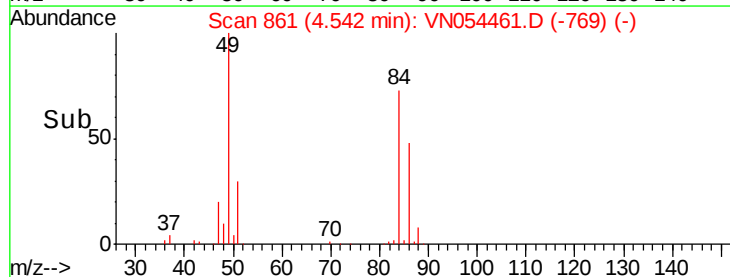
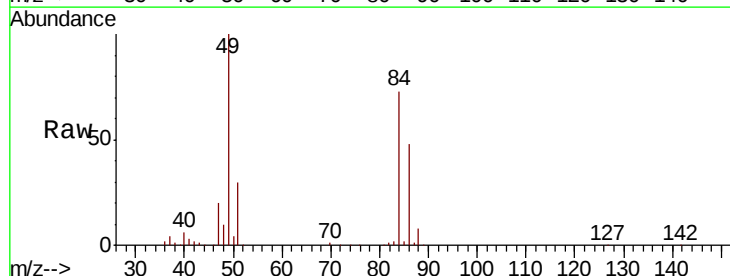
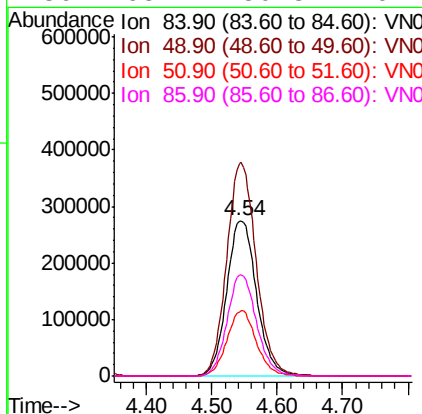
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

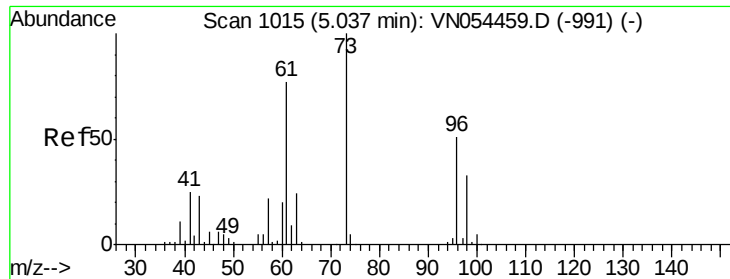
Tgt Ion: 73 Resp: 2341379
Ion Ratio Lower Upper
73 100
57 22.7 16.8 25.2



#20
Methylene Chloride
Concen: 150.616 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 84 Resp: 871907
Ion Ratio Lower Upper
84 100
49 136.8 89.7 134.5#
51 41.3 28.2 42.4
86 65.1 50.8 76.2

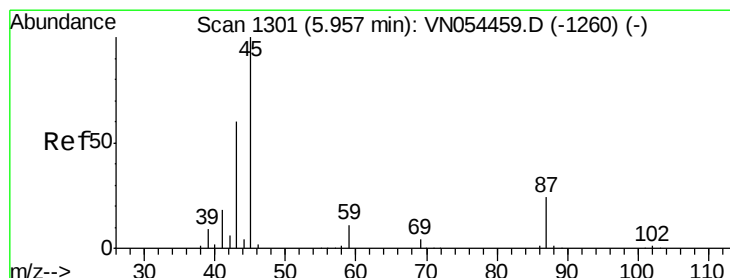
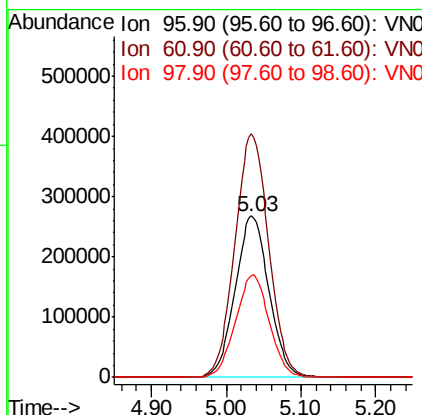
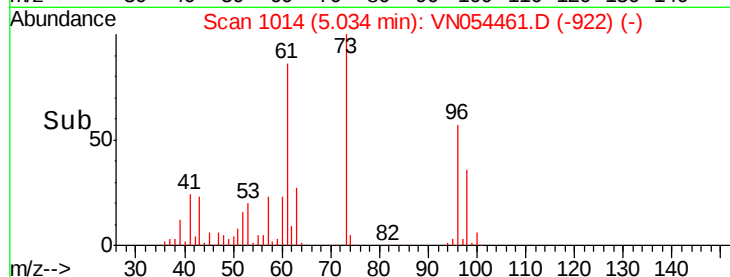
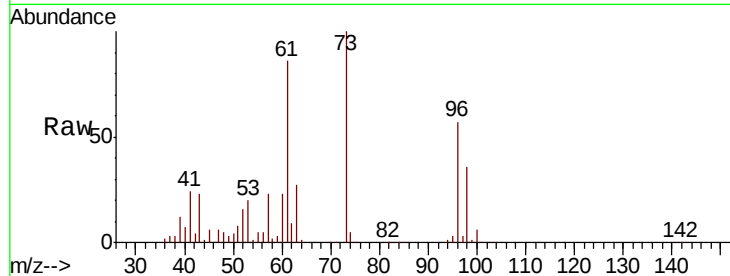




#21
trans-1,2-Dichloroethene
Concen: 145.348 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

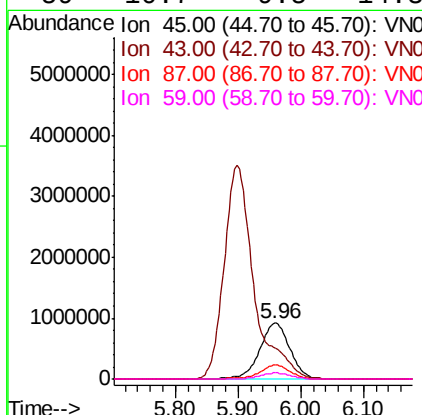
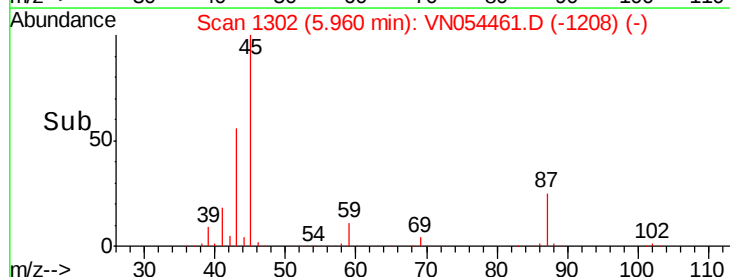
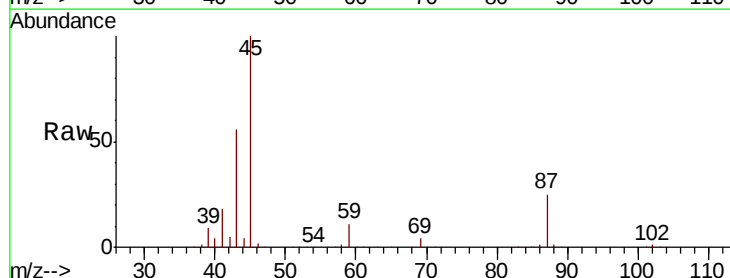
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

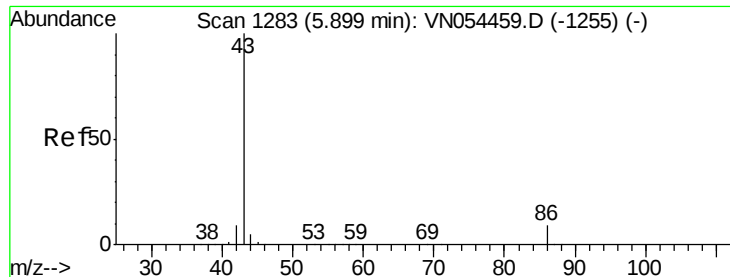
Tgt Ion: 96 Resp: 838838
Ion Ratio Lower Upper
96 100
61 151.1 102.8 154.2
98 63.3 50.0 75.0



#22
Diisopropyl ether
Concen: 198.121 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 45 Resp: 3055864
Ion Ratio Lower Upper
45 100
43 55.6 48.2 72.2
87 24.6 24.9 37.3#
59 10.7 9.5 14.3

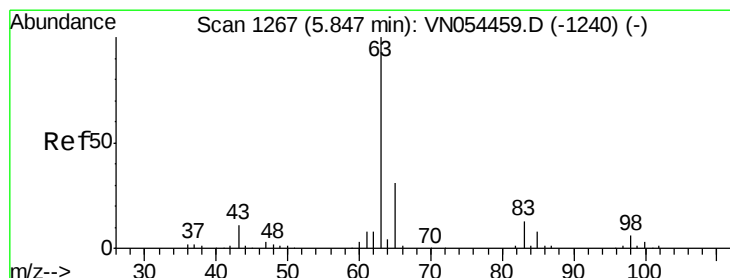
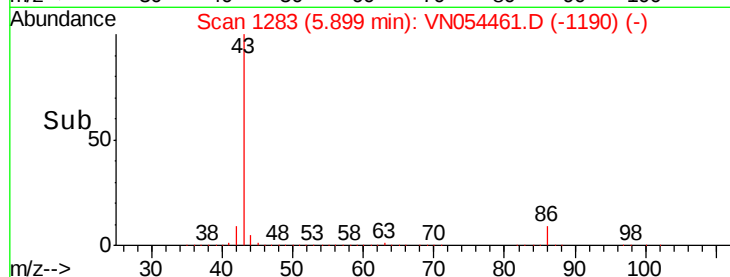
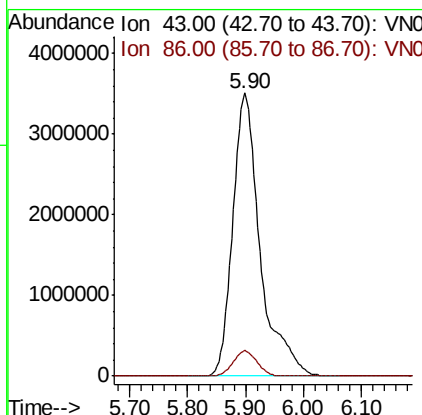
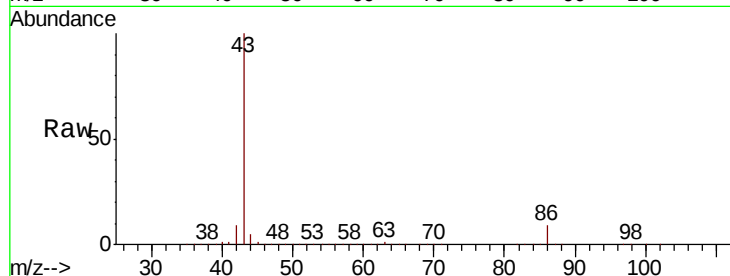




#23
 Vinyl Acetate
 Concen: 1016.893 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

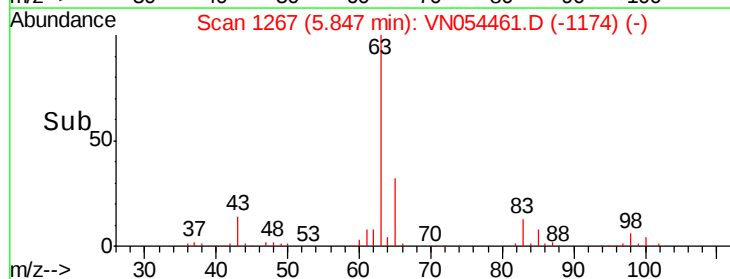
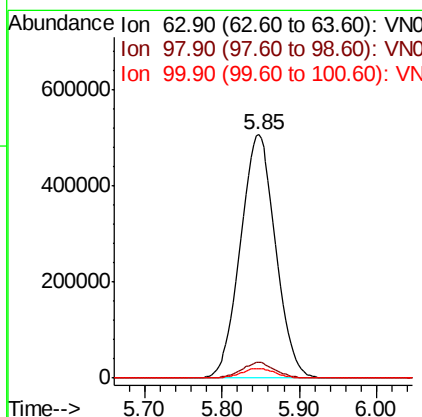
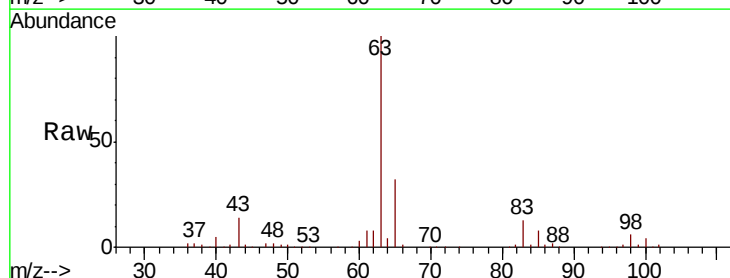
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

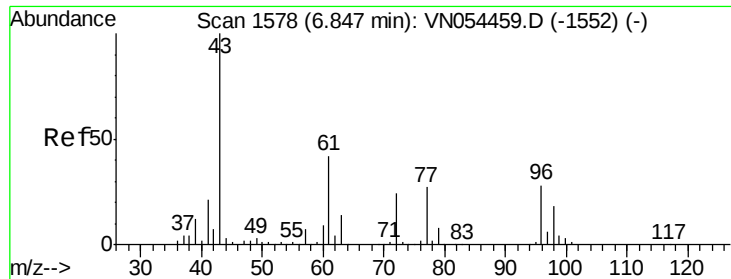
Tgt Ion: 43 Resp:11564527
 Ion Ratio Lower Upper
 43 100
 86 9.1 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 161.931 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 63 Resp: 1603704
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 1021.348 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

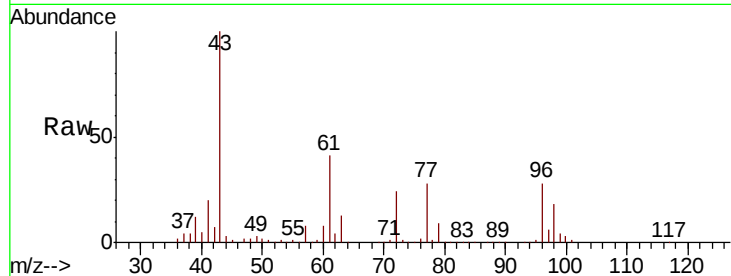
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 2113415

Ion Ratio Lower Upper

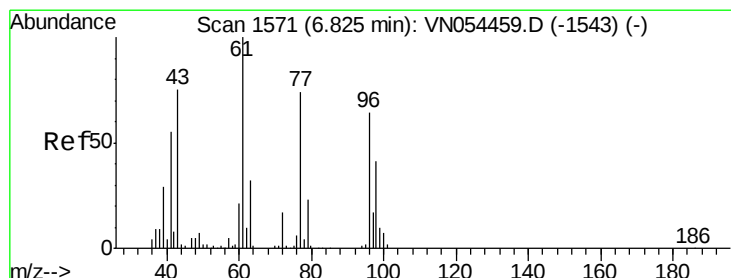
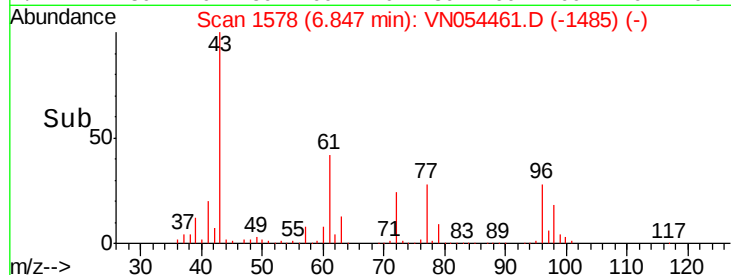
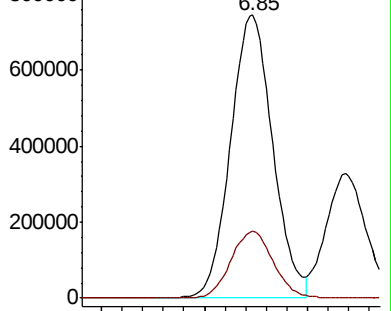
43 100

72 23.6 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: 138.116 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054461.D

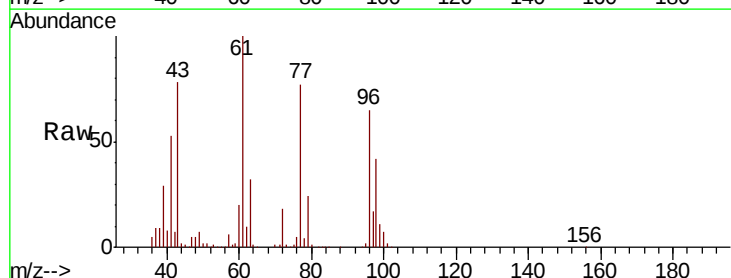
Acq: 20 Mar 2019 12:36

Tgt Ion: 77 Resp: 1202887

Ion Ratio Lower Upper

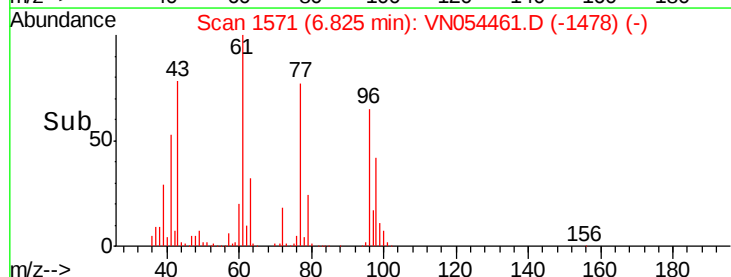
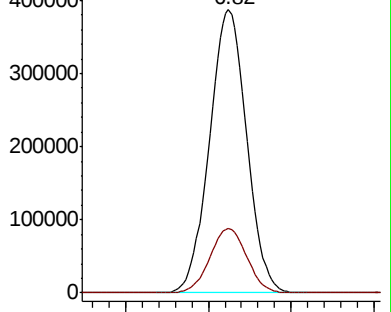
77 100

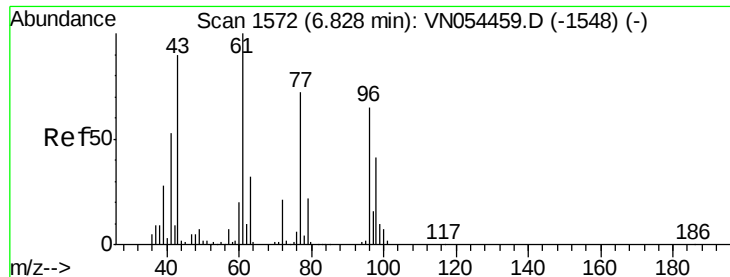
97 22.7 11.9 35.9



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: 149.864 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

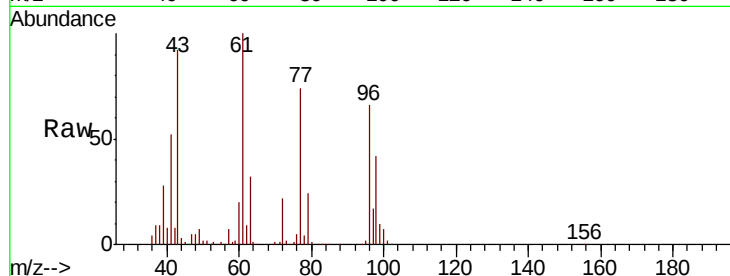
Tgt Ion: 96 Resp: 964899

Ion Ratio Lower Upper

96 100

61 154.7 0.0 273.0

98 64.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054461.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN054461.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN054461.D (-1479) (-)

600000

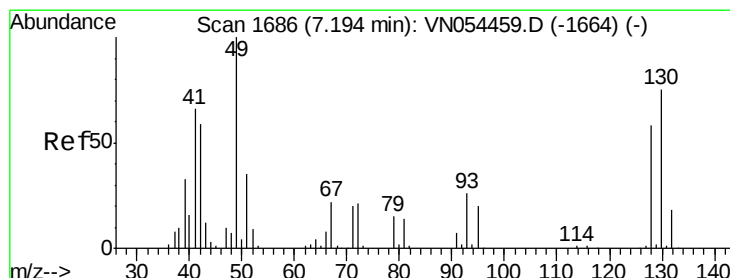
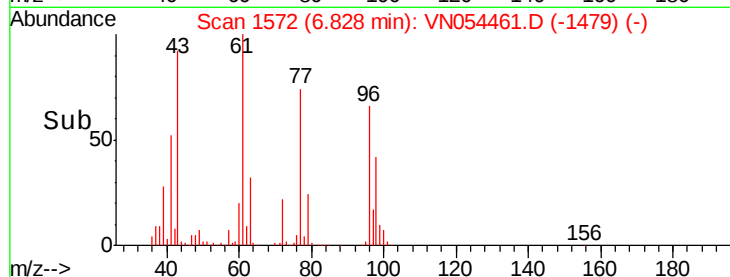
400000

200000

0

6.70 6.80 6.90 7.00

Time-->



#28

Bromochloromethane

Concen: 195.756 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

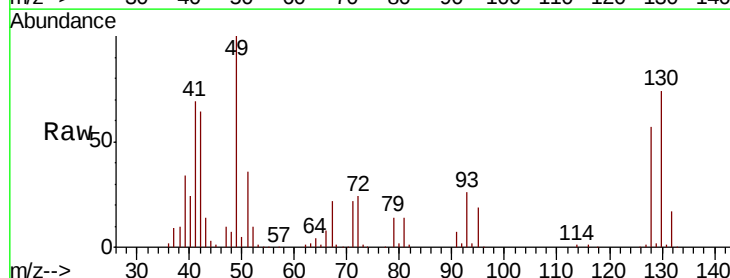
Tgt Ion: 49 Resp: 792563

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 73.3 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN054461.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054461.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054461.D (-1593) (-)

400000

300000

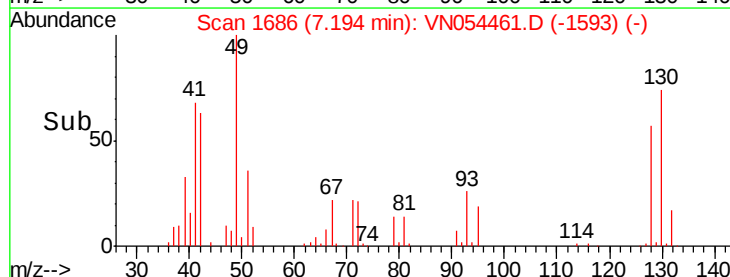
200000

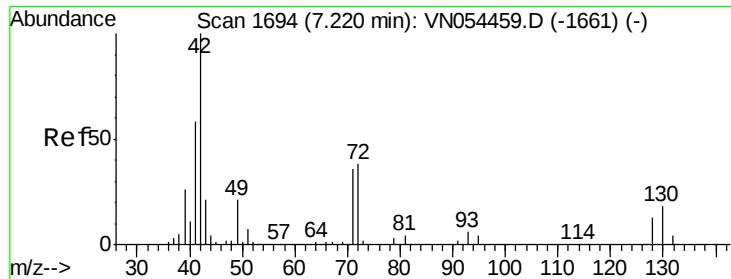
100000

0

7.10 7.20 7.30

Time-->

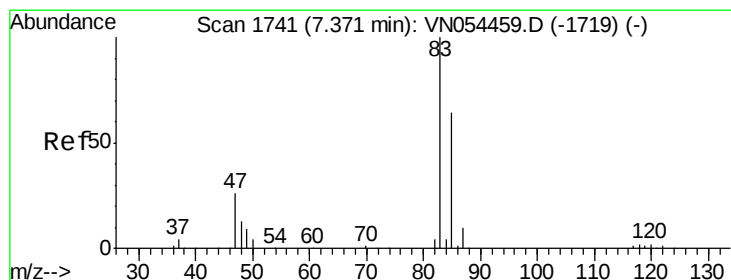
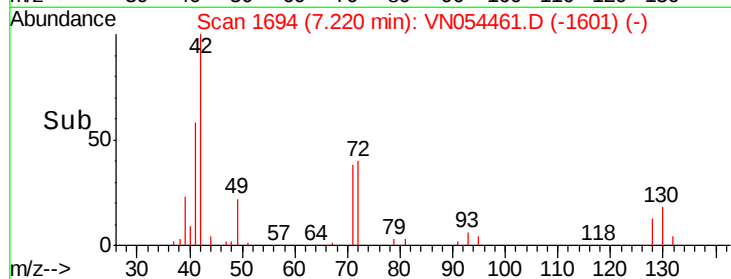
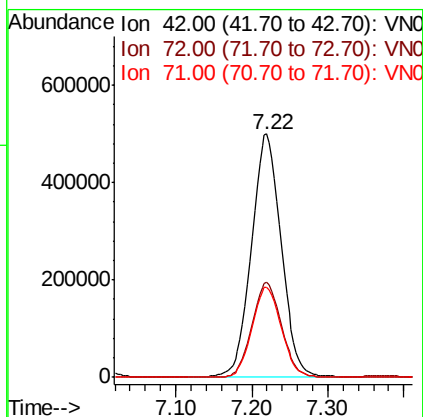
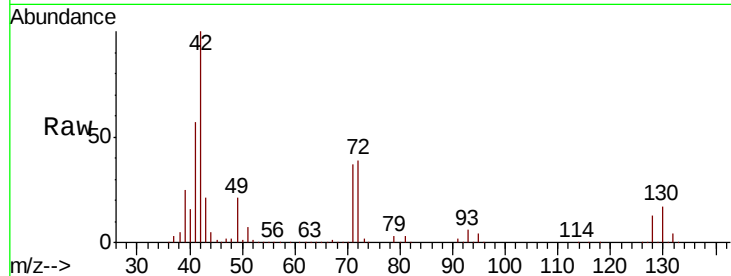




#29
Tetrahydrofuran
Concen: 1024.336 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

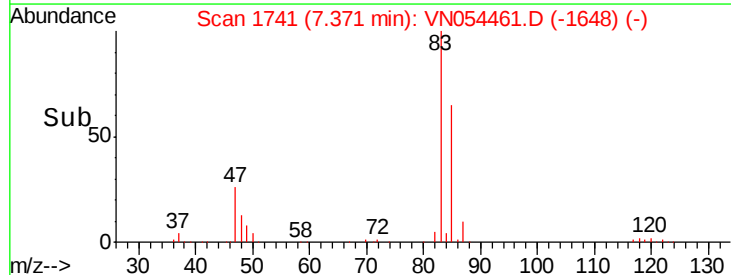
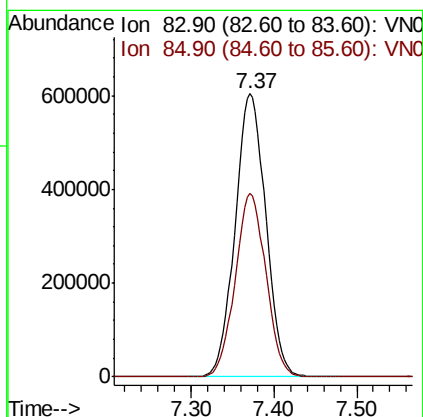
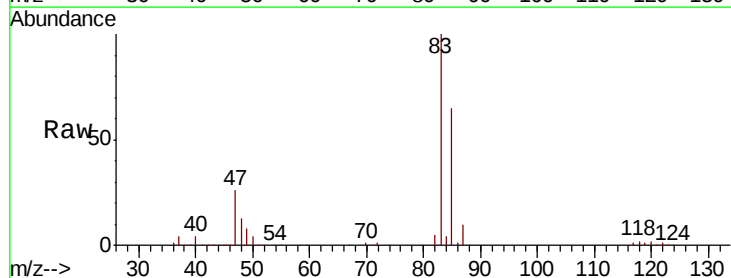
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

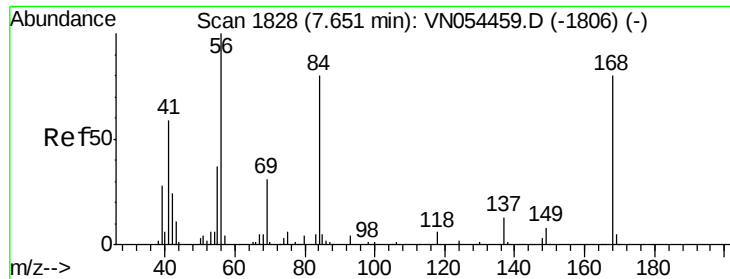
Tgt Ion: 42 Resp: 1362823
Ion Ratio Lower Upper
42 100
72 38.3 37.8 56.6
71 36.5 36.2 54.2



#30
Chloroform
Concen: 150.510 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 83 Resp: 1555432
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.4

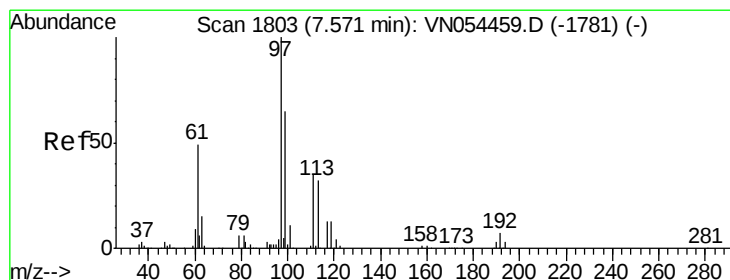
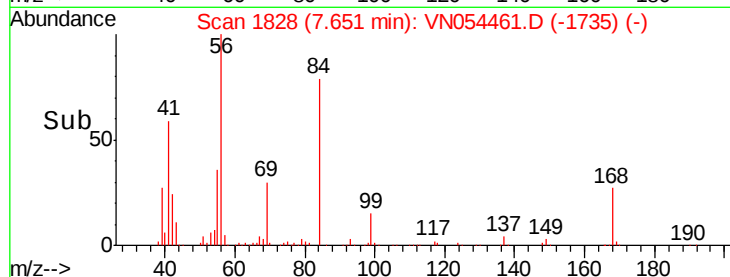
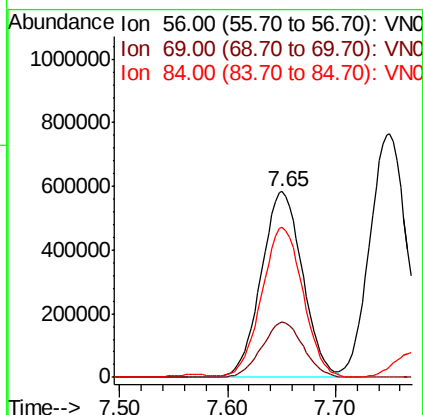
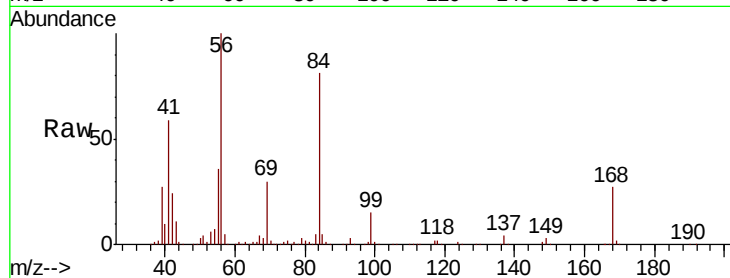




#31
Cyclohexane
Concen: 145.584 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

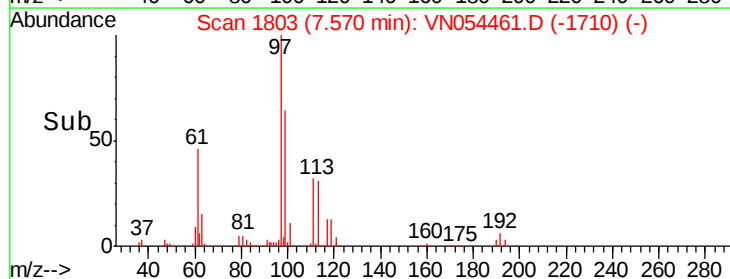
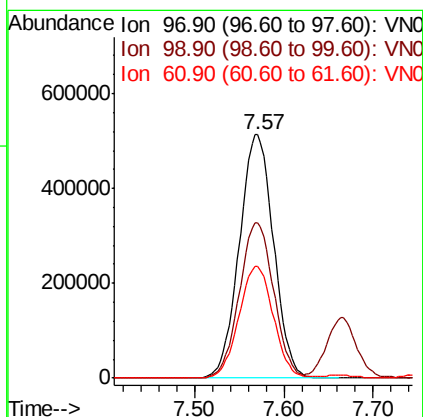
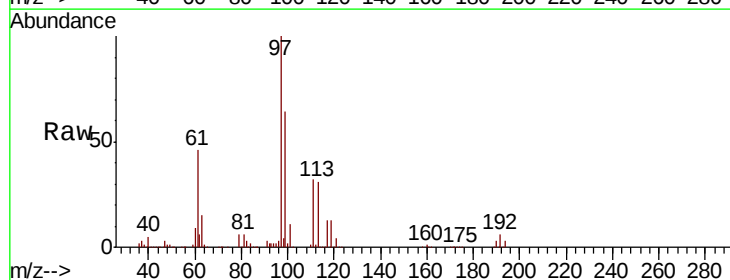
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

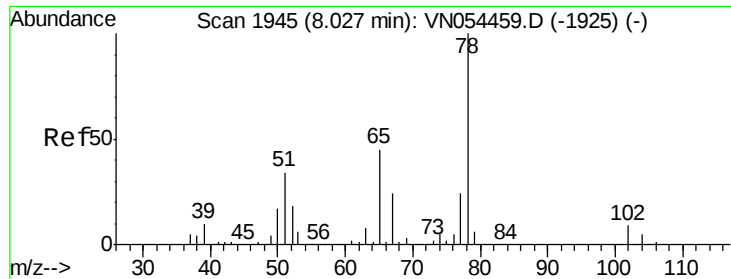
Tgt Ion: 56 Resp: 1552003
Ion Ratio Lower Upper
56 100
69 29.8 27.8 41.6
84 79.9 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 146.369 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 97 Resp: 1366108
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 46.2 33.6 50.4

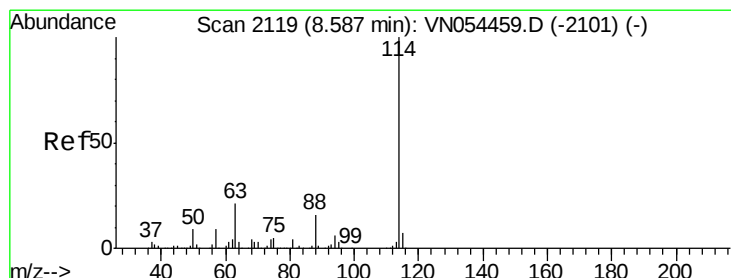
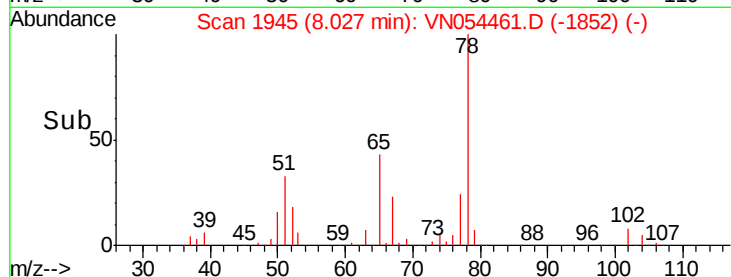
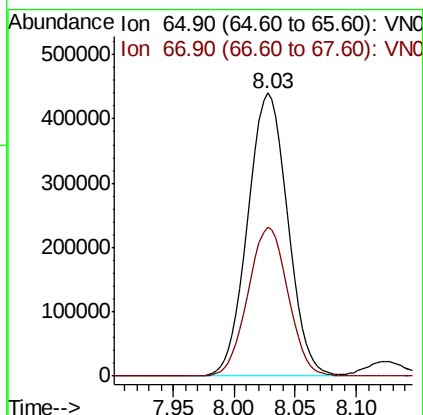
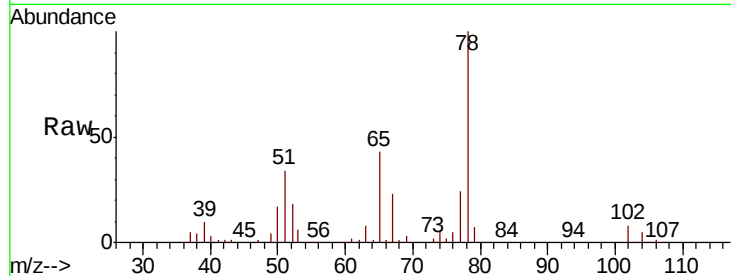




#33
 1,2-Dichloroethane-d4
 Concen: 162.631 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

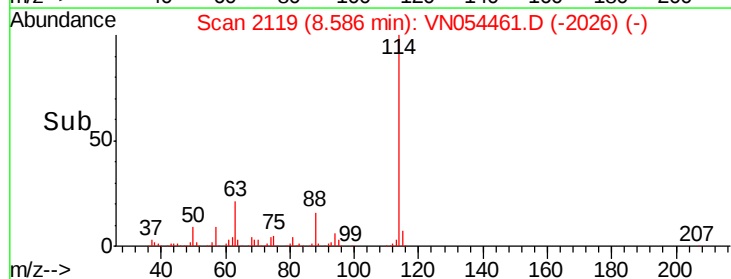
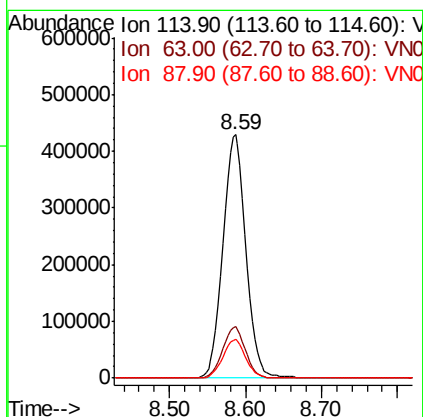
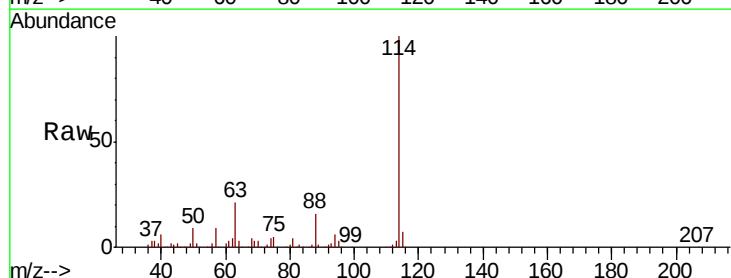
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

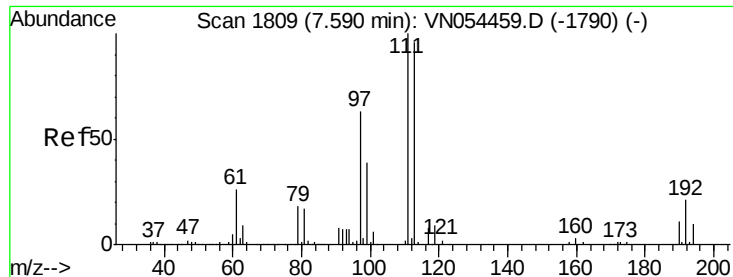
Tgt Ion: 65 Resp: 1001390
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 114 Resp: 903005
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 35.2
 88 15.8 0.0 30.2

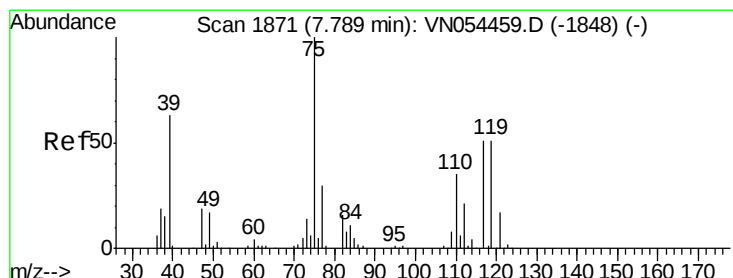
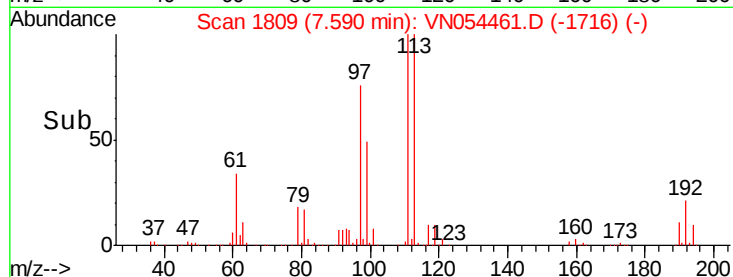
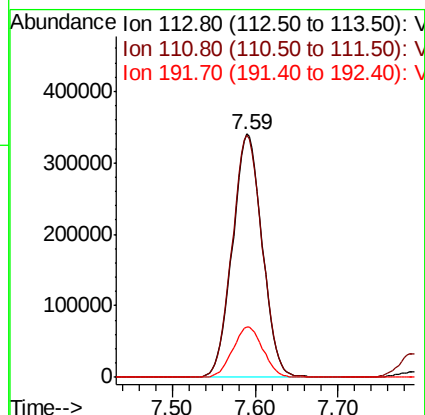
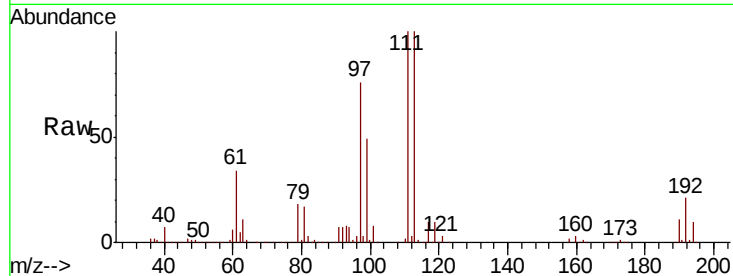




#35
Dibromofluoromethane
Concen: 145.838 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

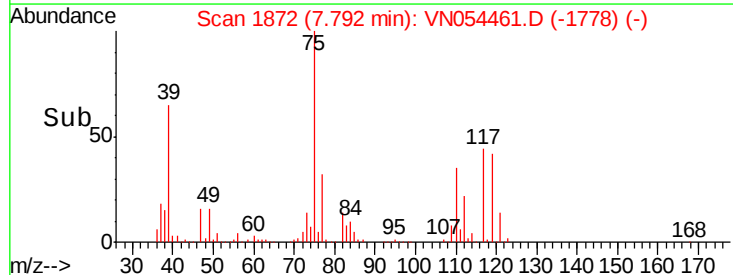
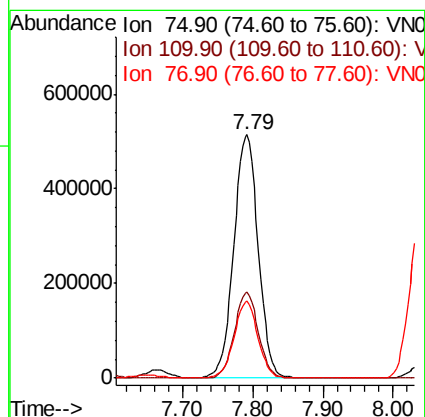
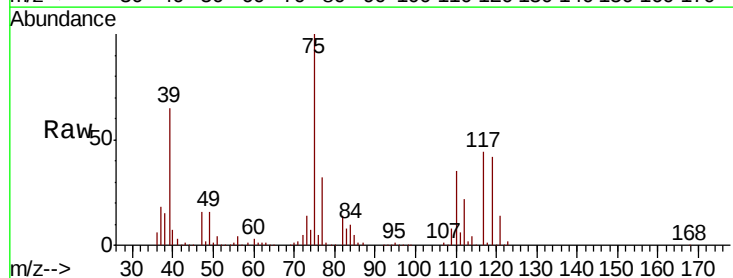
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

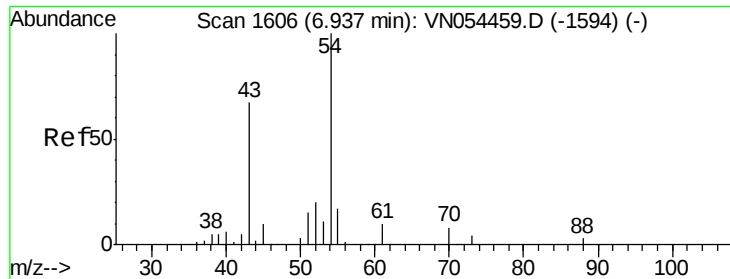
Tgt Ion:113 Resp: 849361
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.4
192 21.0 19.2 28.8



#36
1,1-Dichloropropene
Concen: 149.476 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 75 Resp: 1243028
Ion Ratio Lower Upper
75 100
110 34.8 19.1 57.5
77 31.2 25.0 37.4

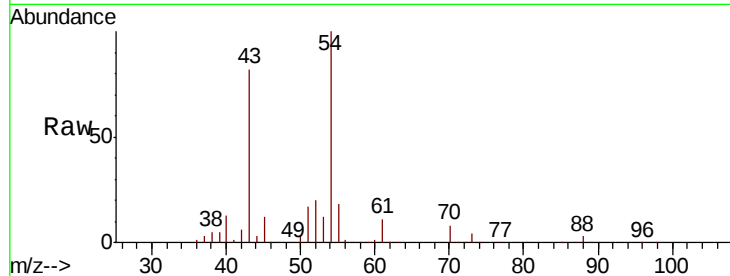




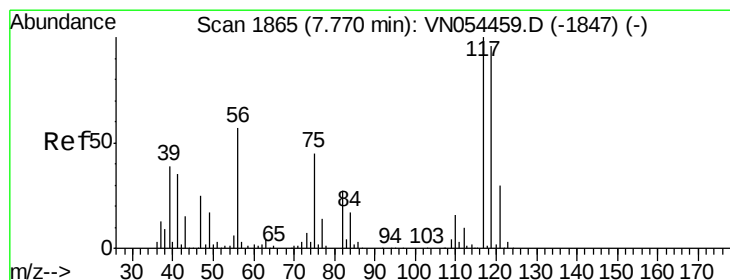
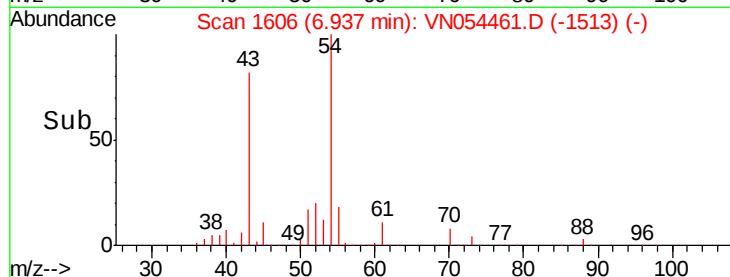
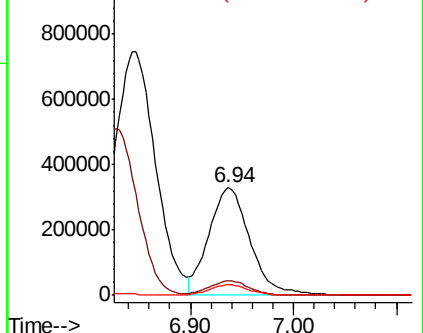
#37
Ethyl Acetate
Concen: 188.812 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 902185
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.6
70 9.4 8.4 12.6

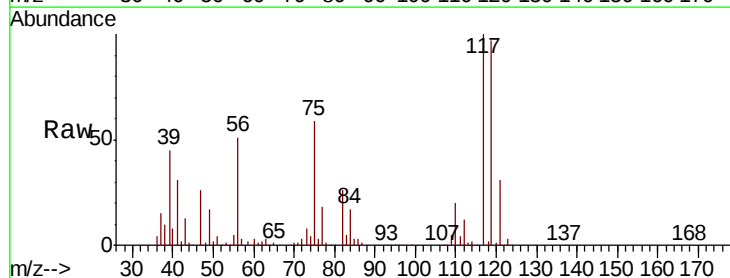


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

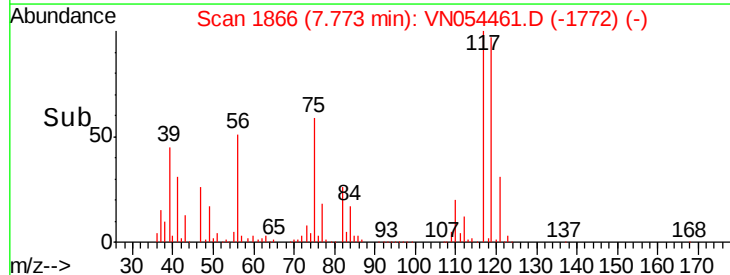
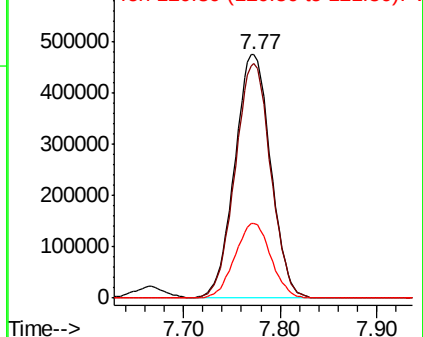


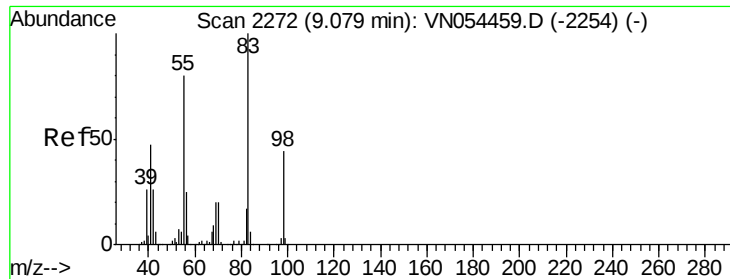
#38
Carbon Tetrachloride
Concen: 140.219 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 117 Resp: 1222808
Ion Ratio Lower Upper
117 100
119 96.6 76.3 114.5
121 30.6 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

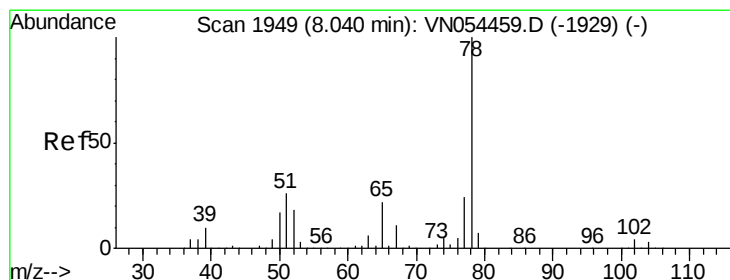
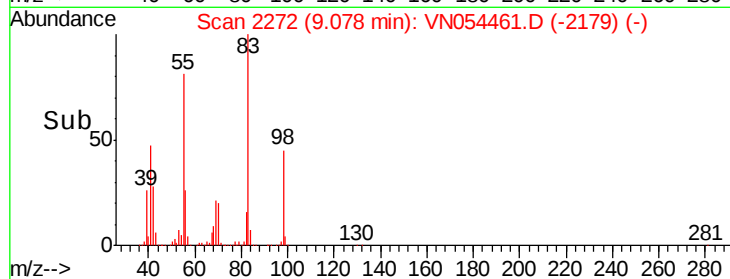
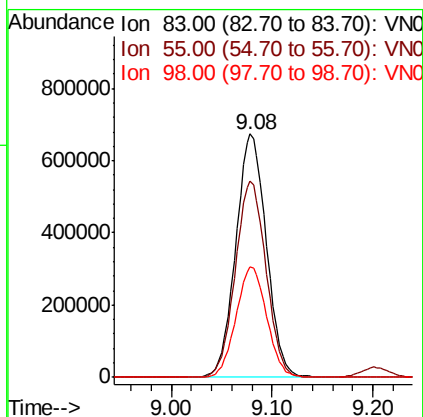
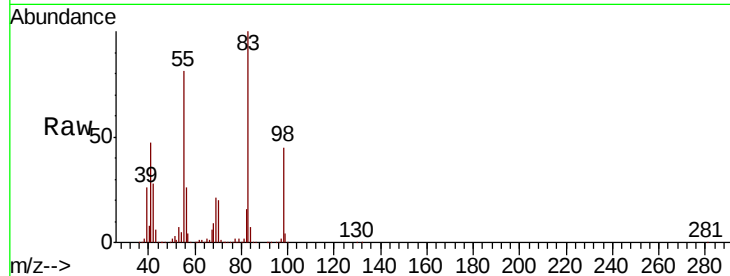




#39
Methylcyclohexane
Concen: 137.934 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

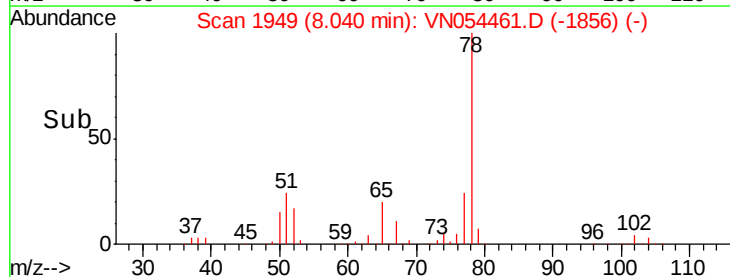
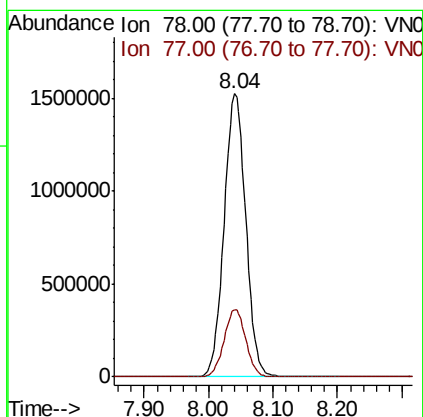
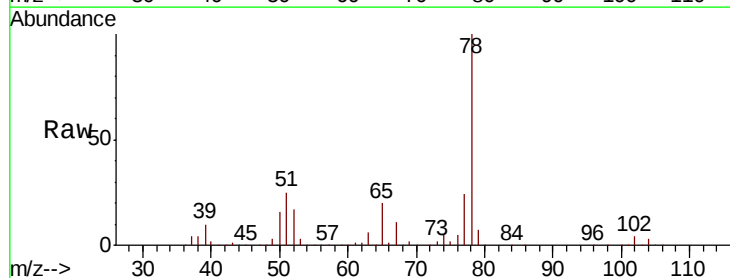
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

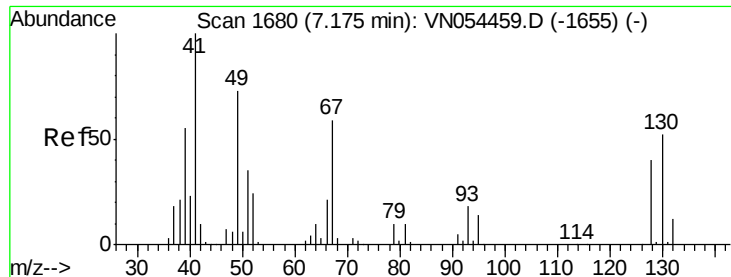
Tgt Ion: 83 Resp: 1411305
Ion Ratio Lower Upper
83 100
55 80.7 56.6 84.8
98 45.4 38.4 57.6



#40
Benzene
Concen: 149.710 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 78 Resp: 3562617
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

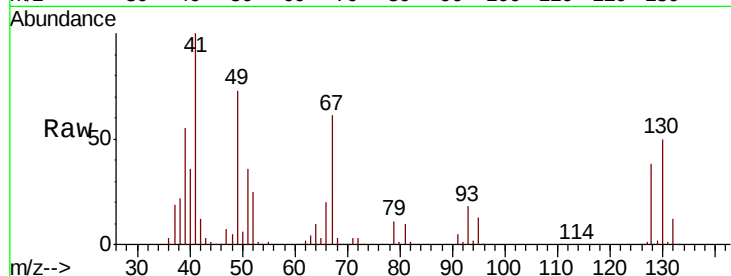




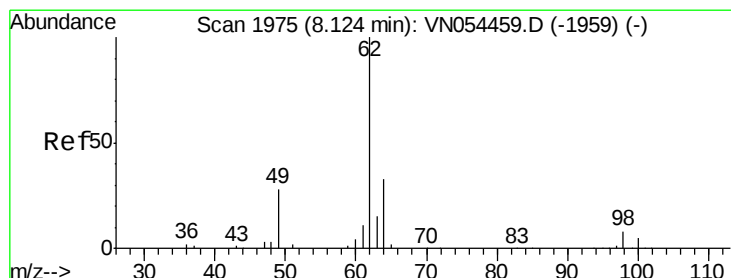
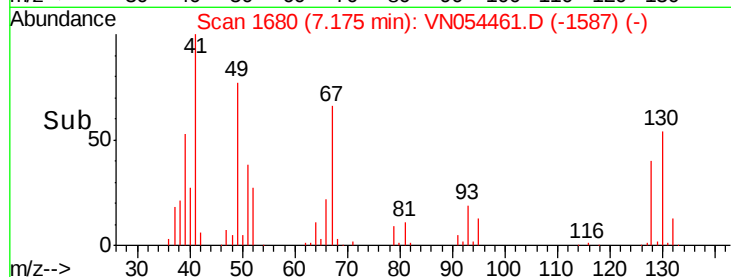
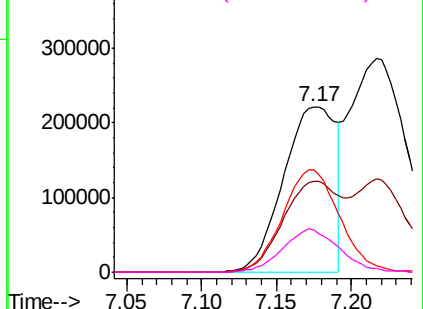
#41
Methacrylonitrile
Concen: 197.082 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 537682
Ion Ratio Lower Upper
41 100
39 61.5 46.8 70.2
67 67.5 67.0 100.4
52 28.1 26.5 39.7

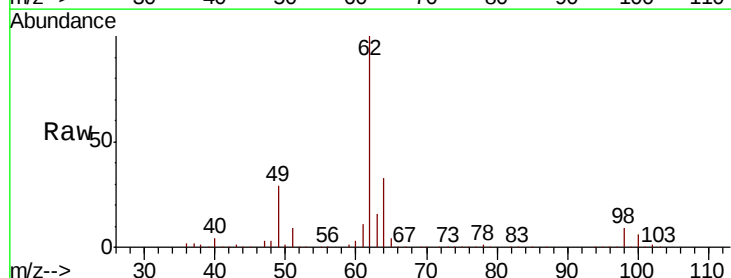


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

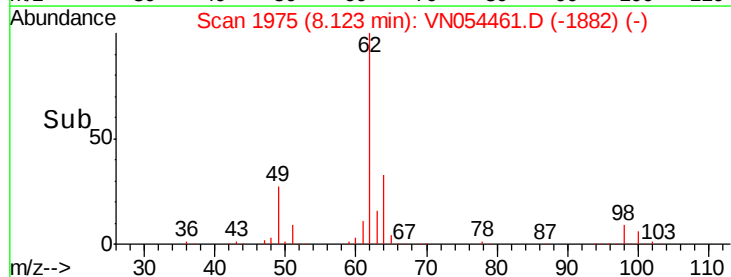
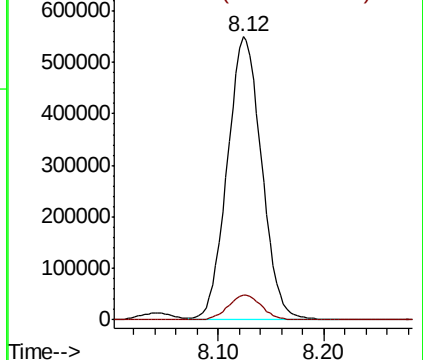


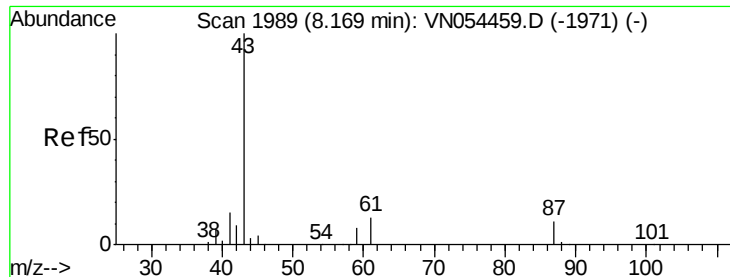
#42
1,2-Dichloroethane
Concen: 153.791 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 62 Resp: 1235585
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 195.116 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

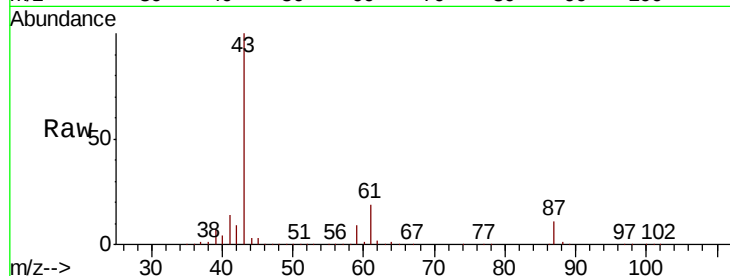
Tgt Ion: 43 Resp: 1636456

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.8

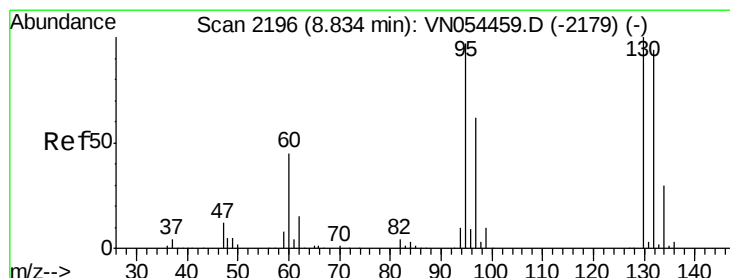
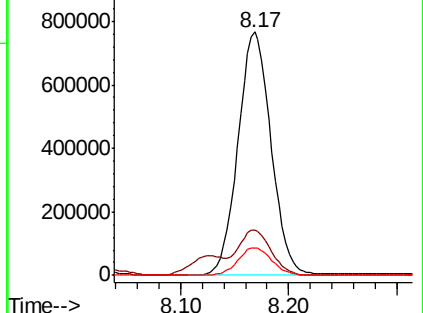
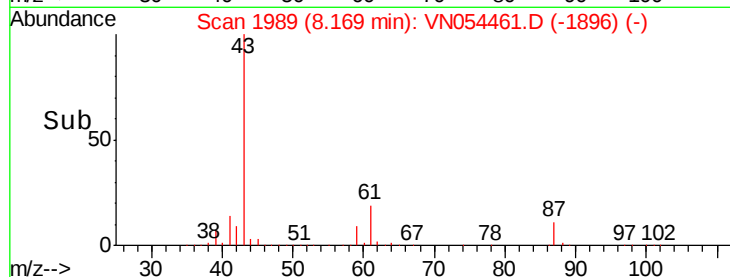
87 11.7 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054461.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054461.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054461.D (-1896) (-)



#44

Trichloroethene

Concen: 131.808 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054461.D

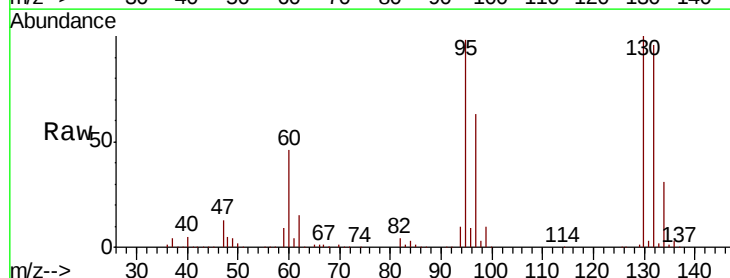
Acq: 20 Mar 2019 12:36

Tgt Ion: 130 Resp: 974378

Ion Ratio Lower Upper

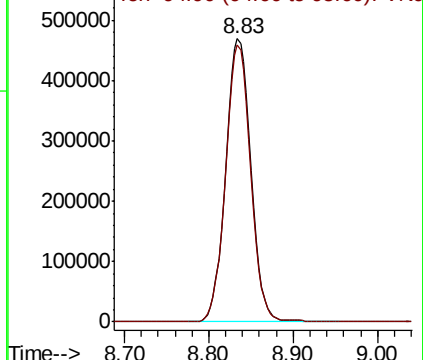
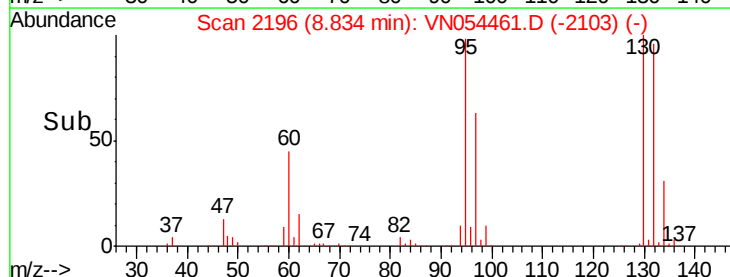
130 100

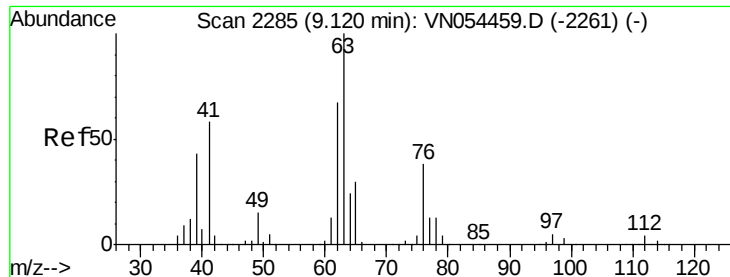
95 97.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054461.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054461.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 164.880 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

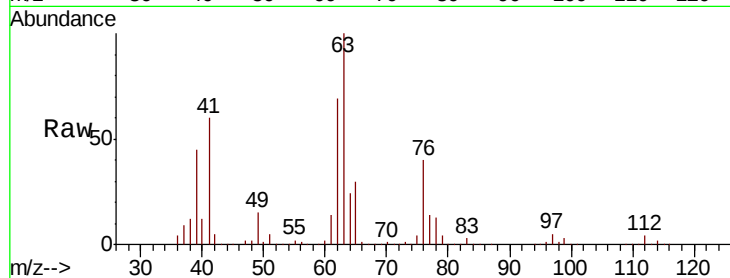
VSTDIC150

Tgt Ion: 63 Resp: 974269

Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN054459.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN054459.D (-2261) (-)

9.12

500000

400000

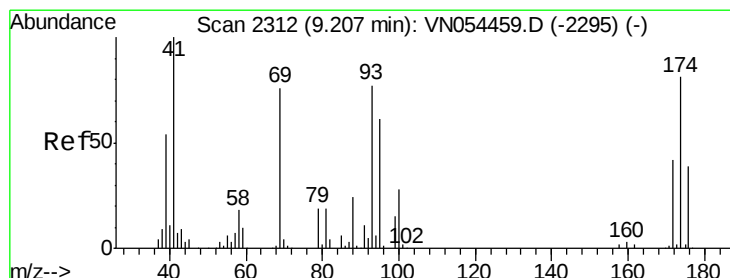
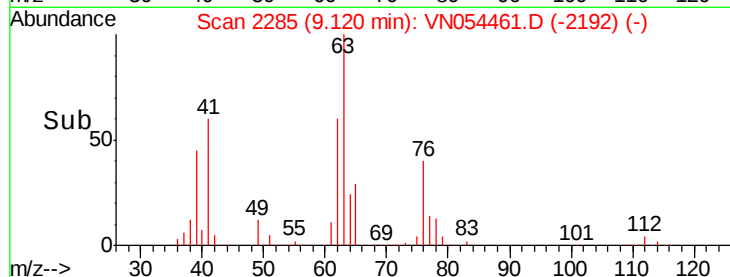
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 143.529 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

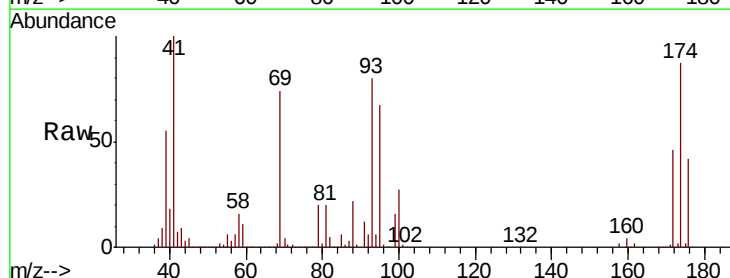
Tgt Ion: 93 Resp: 573035

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 107.8 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN054459.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN054459.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN054459.D (-2295) (-)

9.21

400000

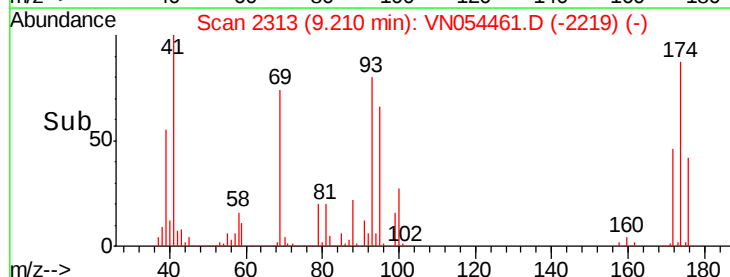
300000

200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 154.971 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

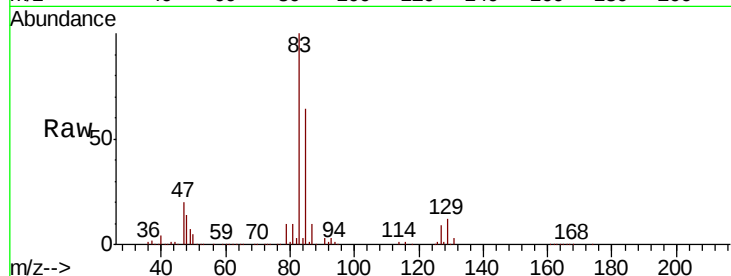
Tgt Ion: 83 Resp: 1240359

Ion Ratio Lower Upper

83 100

85 64.1 52.8 79.2

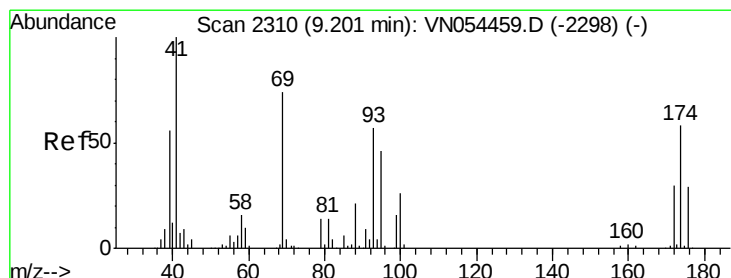
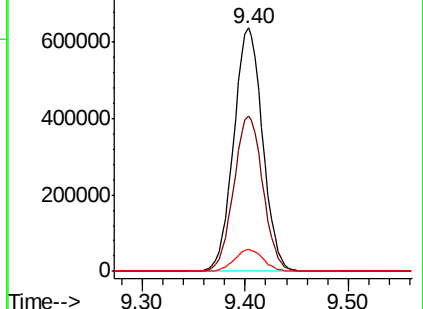
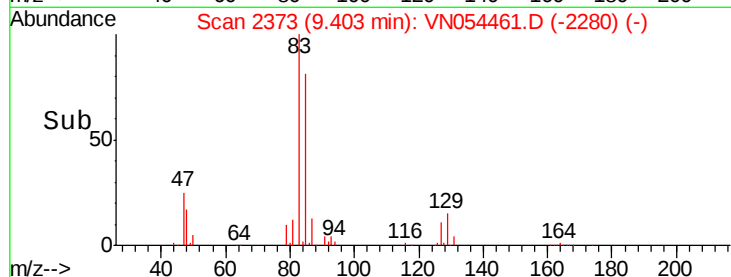
127 8.9 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054461.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054461.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054461.D (-2280) (-)



#48

Methyl methacrylate

Concen: 204.140 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

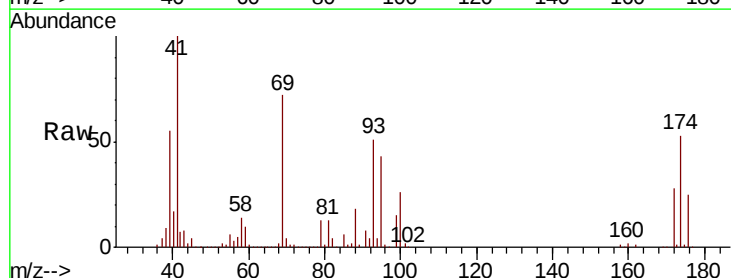
Tgt Ion: 41 Resp: 868884

Ion Ratio Lower Upper

41 100

69 73.3 72.6 108.8

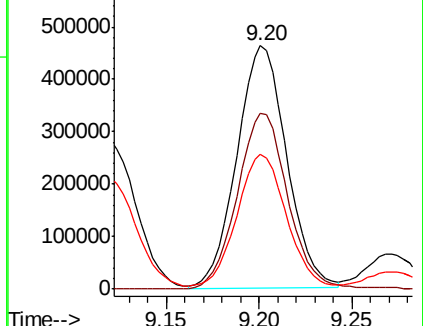
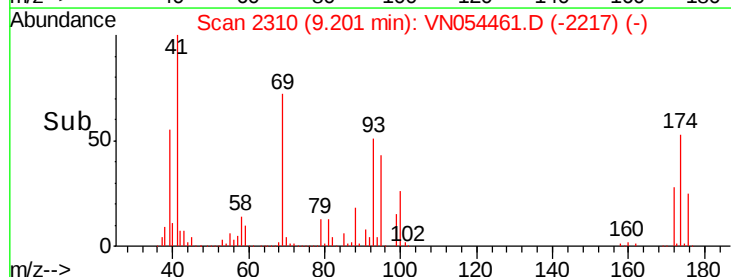
39 55.6 47.5 71.3

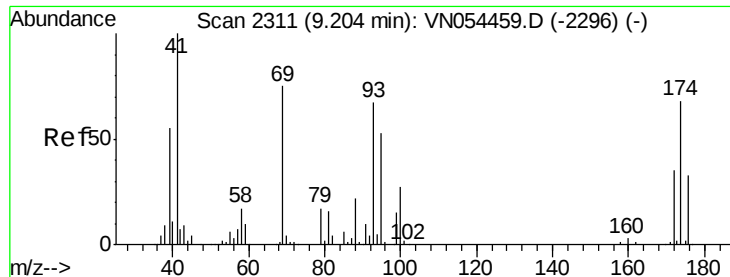


Abundance Ion 41.00 (40.70 to 41.70): VN054461.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054461.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054461.D (-2217) (-)





#49

1,4-Dioxane

Concen: 2968.923 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

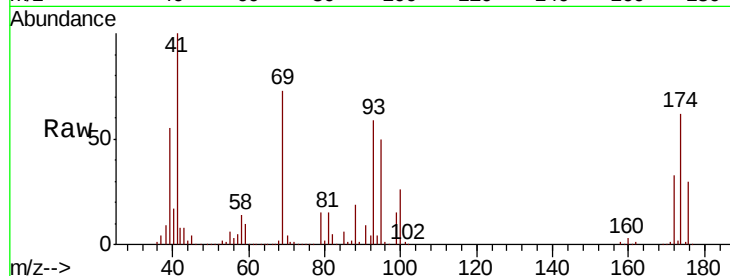
Tgt Ion: 88 Resp: 178744

Ion Ratio Lower Upper

88 100

43 38.1 24.1 36.1#

58 72.7 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)

800000

600000

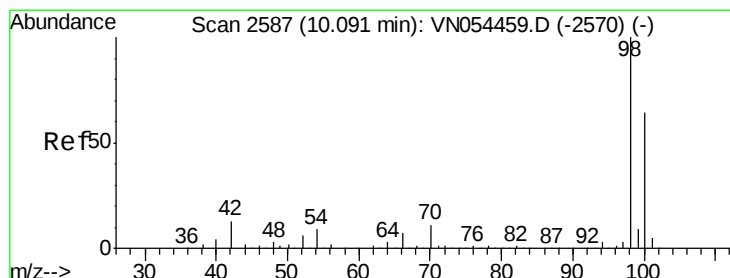
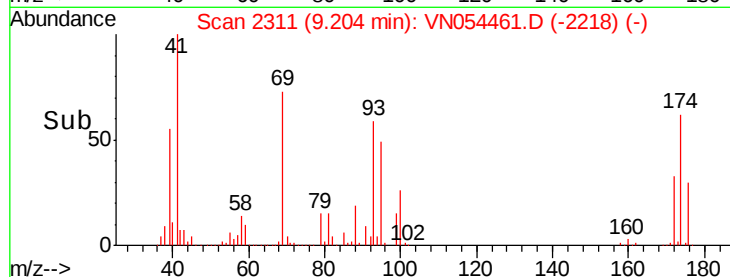
400000

200000

0

9.10 9.20 9.30

Time-->



#50

Toluene-d8

Concen: 149.616 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054461.D

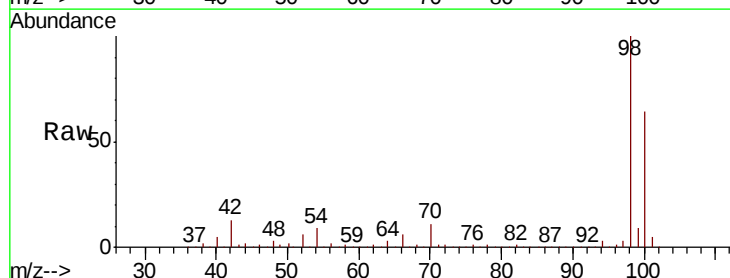
Acq: 20 Mar 2019 12:36

Tgt Ion: 98 Resp: 3218073

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

2000000

1500000

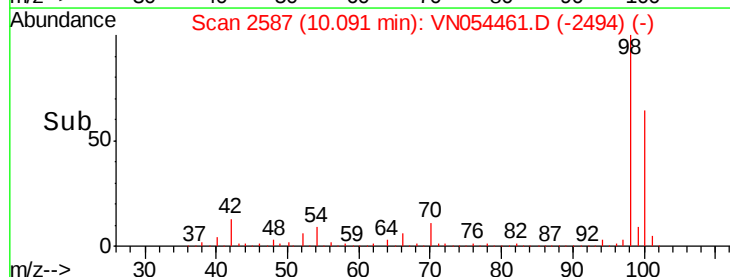
1000000

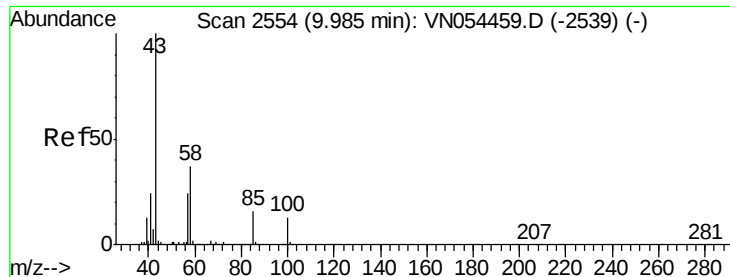
500000

0

10.00 10.10 10.20

Time-->

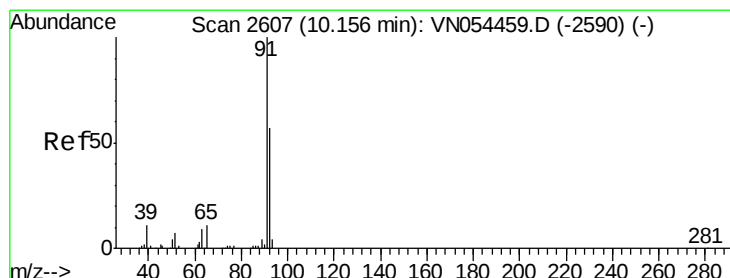
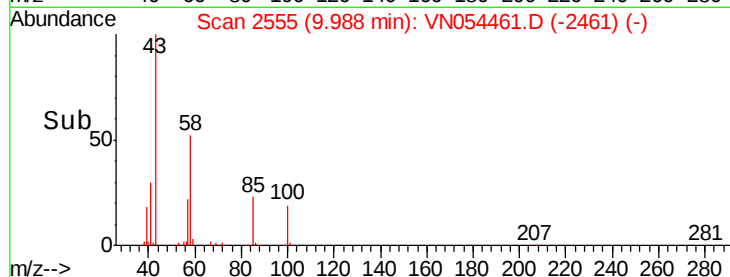
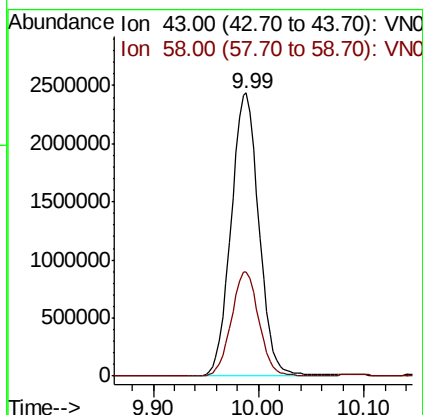
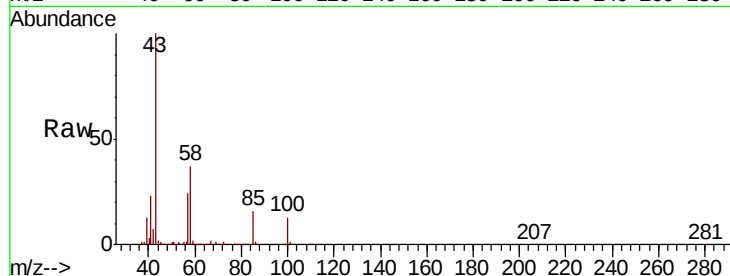




#51
 4-Methyl-2-Pentanone
 Concen: 1004.079 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

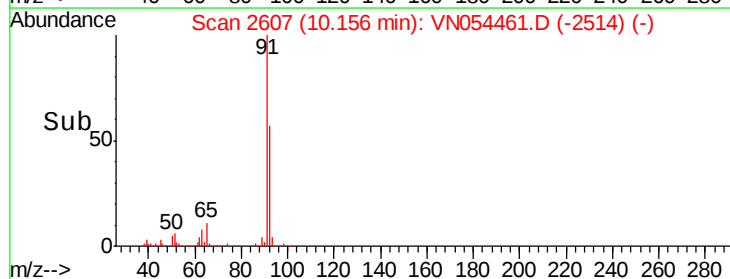
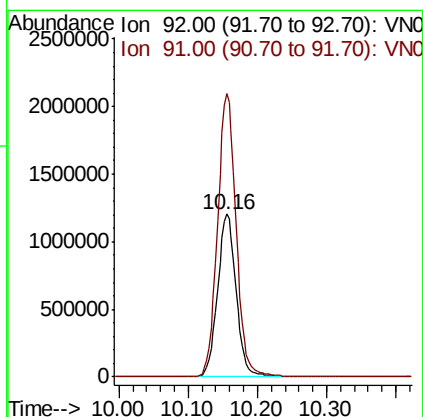
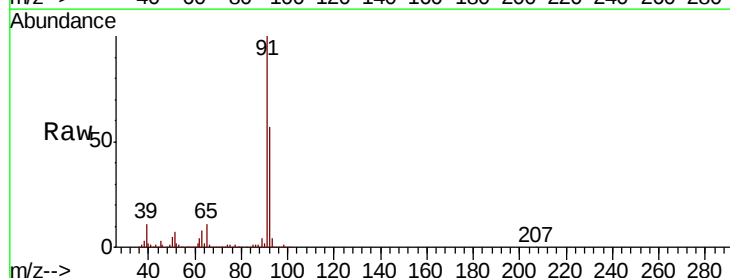
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 4456604
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.8 47.6



#52
 Toluene
 Concen: 147.734 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 92 Resp: 2229122
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 161.650 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

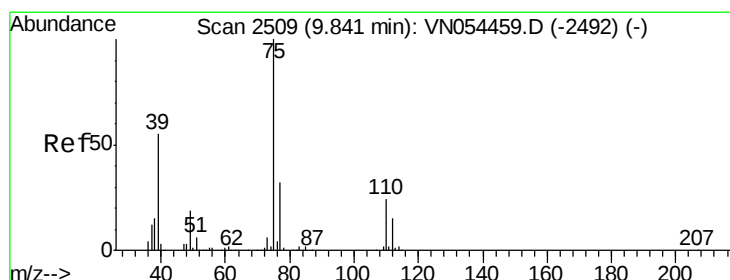
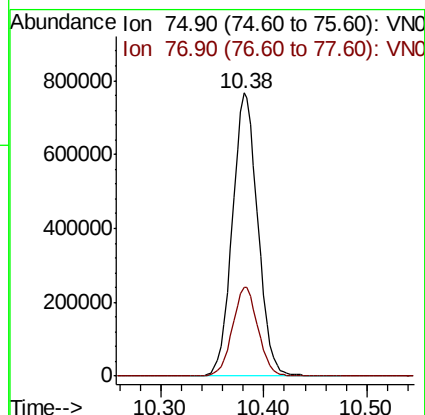
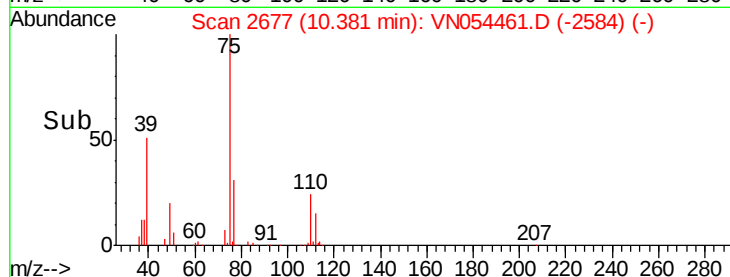
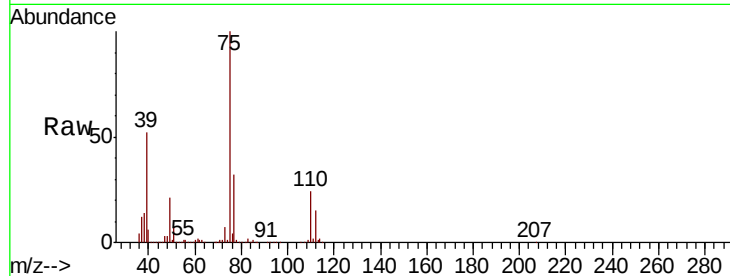
VSTDIC150

Tgt Ion: 75 Resp: 1316845

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 161.249 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

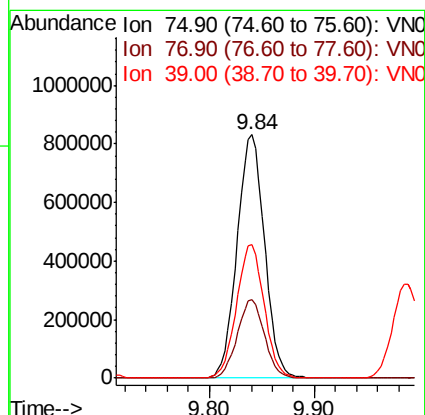
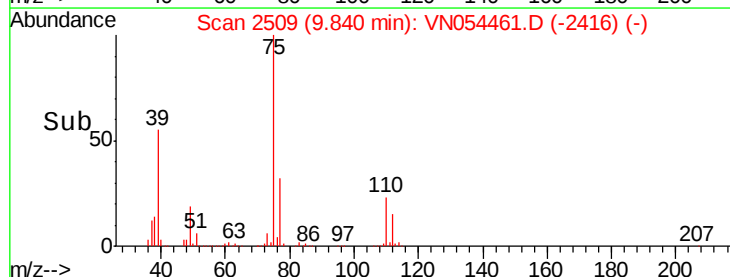
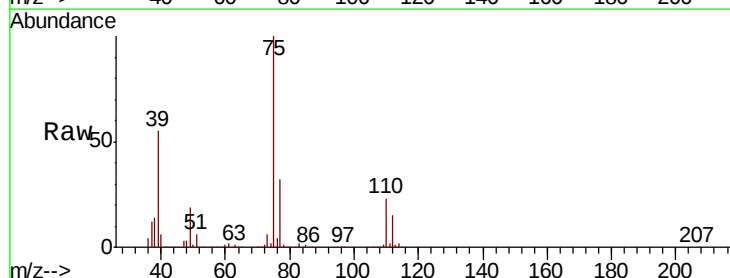
Tgt Ion: 75 Resp: 1503961

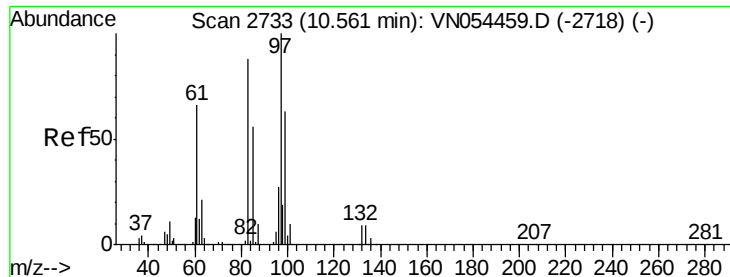
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 54.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 144.773 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 797621

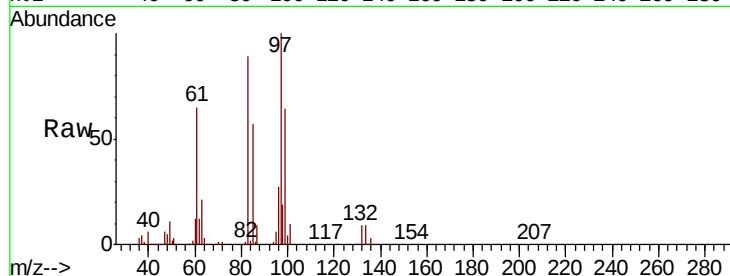
Ion Ratio Lower Upper

97 100

83 88.5 66.6 100.0

85 56.9 44.4 66.6

99 63.5 50.8 76.2

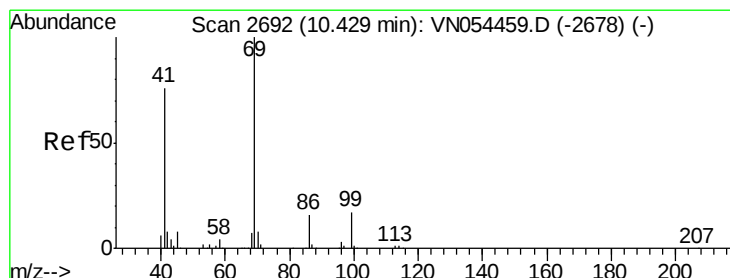
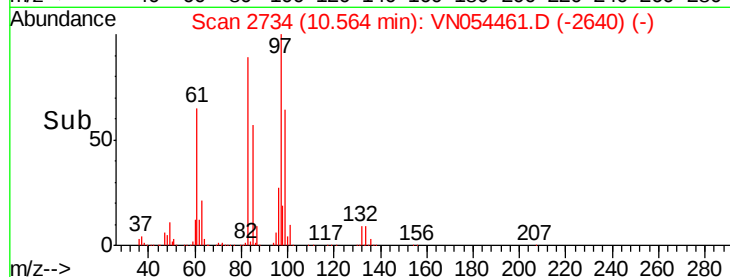
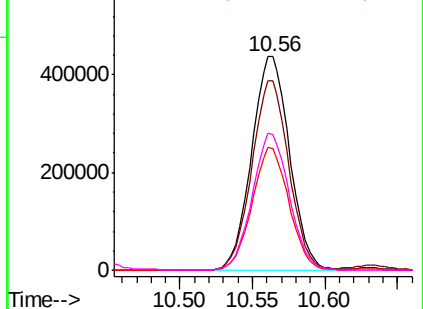


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 180.907 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

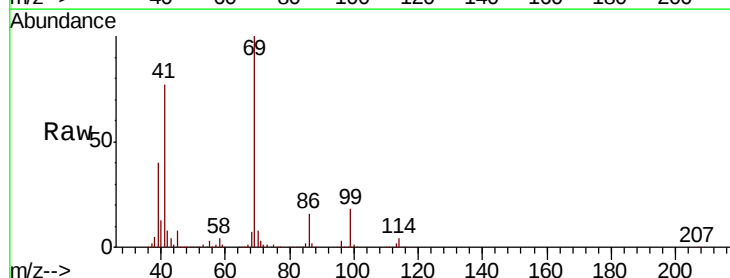
Tgt Ion: 69 Resp: 1188440

Ion Ratio Lower Upper

69 100

41 74.9 49.4 74.2#

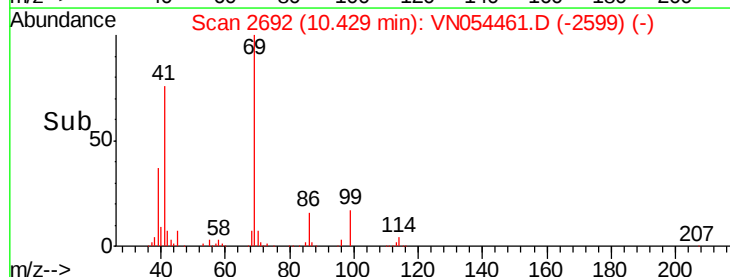
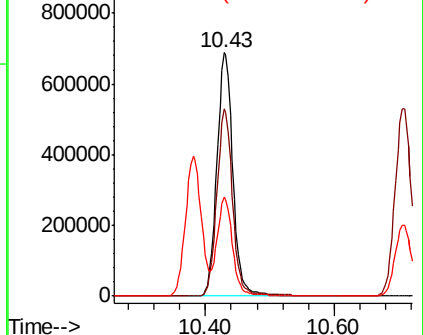
39 39.4 28.3 42.5

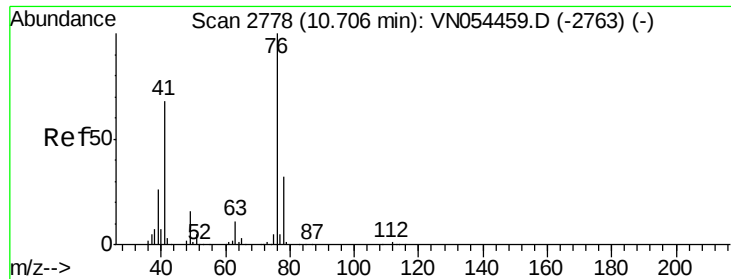


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

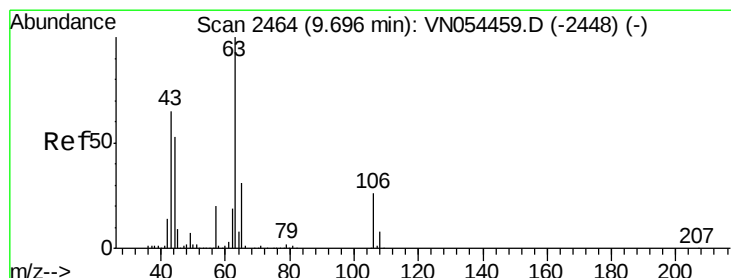
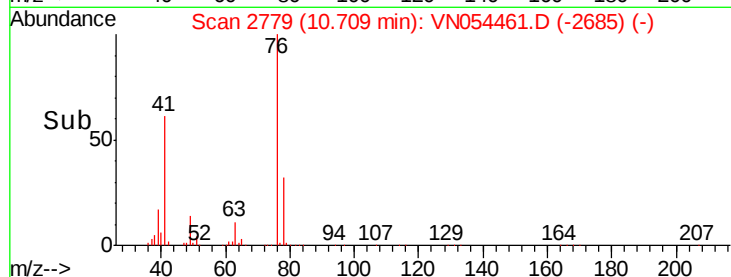
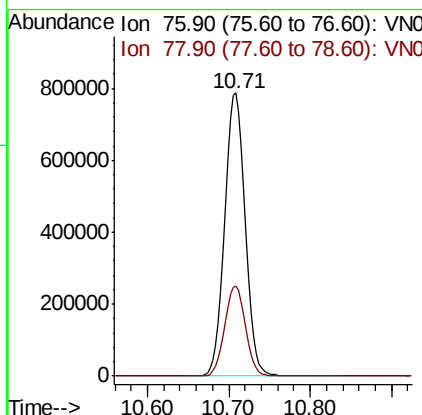
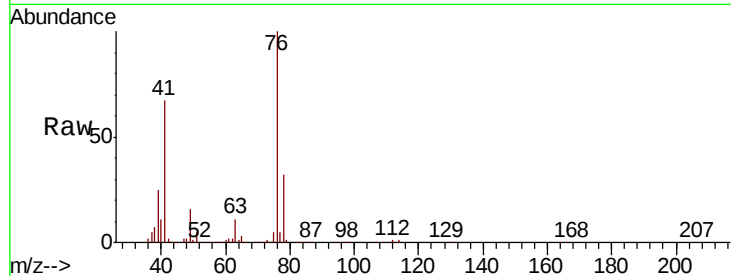




#57
 1,3-Dichloropropane
 Concen: 156.322 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

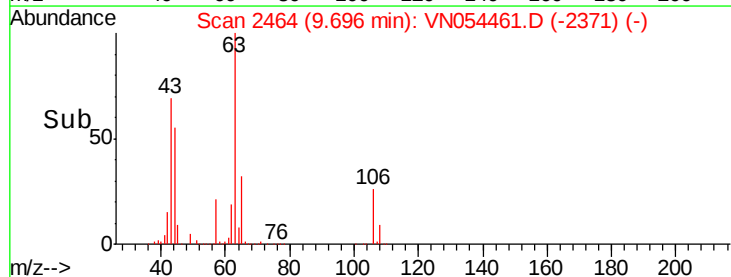
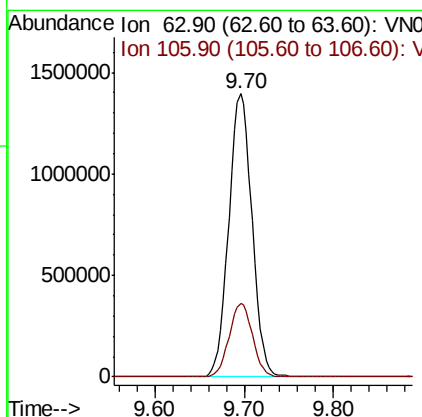
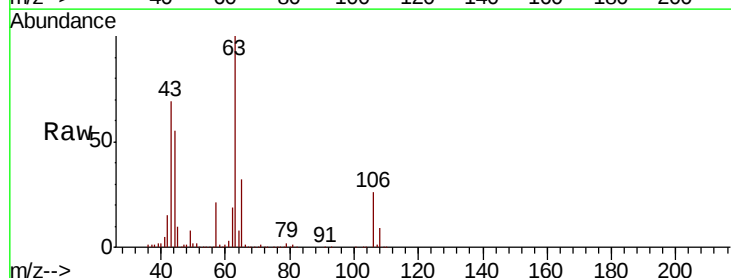
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

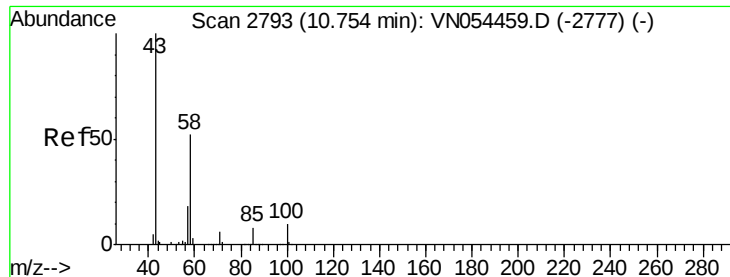
Tgt Ion: 76 Resp: 1408263
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 1013.661 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 63 Resp: 2522507
 Ion Ratio Lower Upper
 63 100
 106 26.0 24.4 36.6

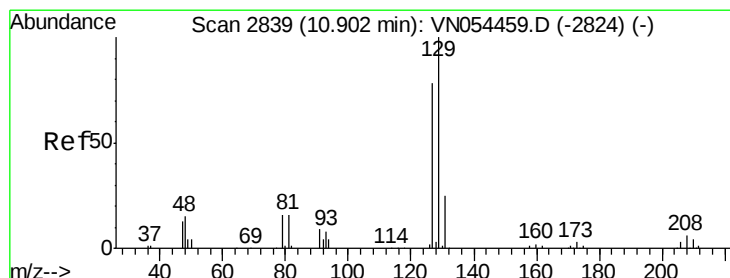
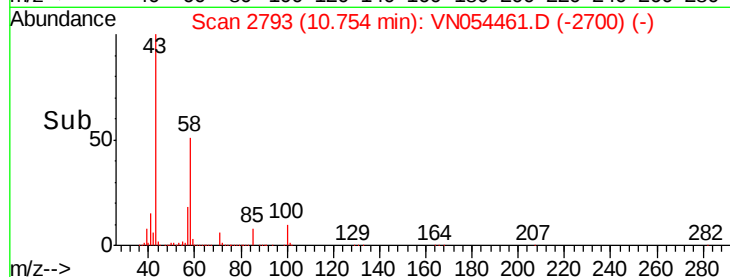
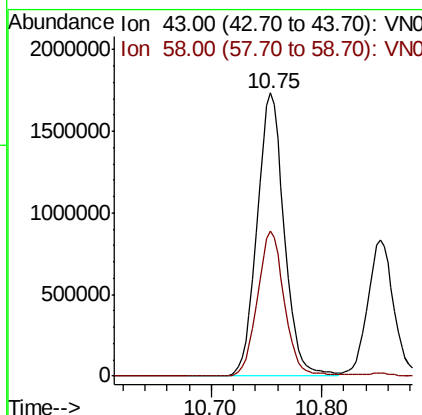
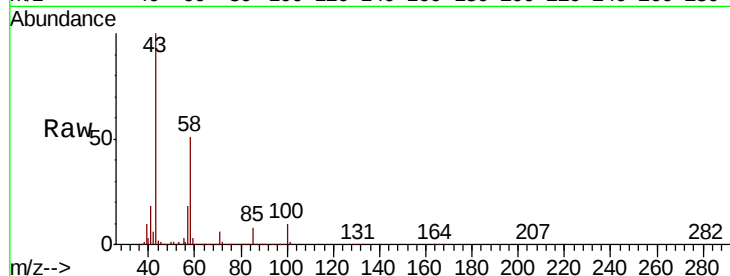




#59
2-Hexanone
Concen: 1000.216 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

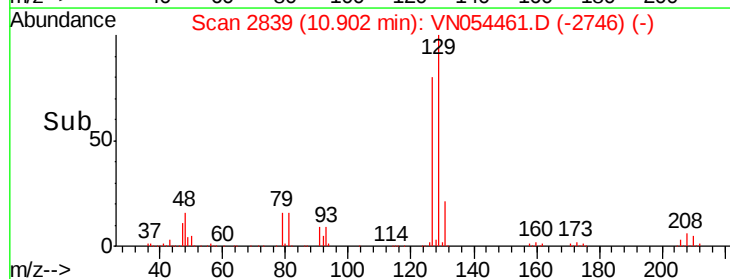
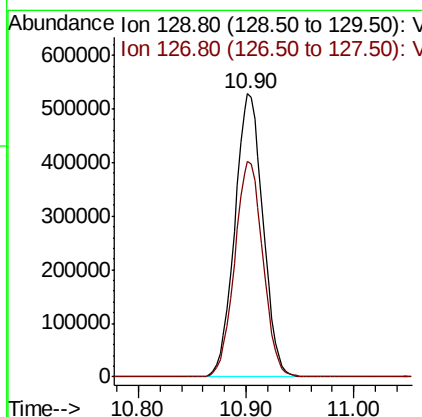
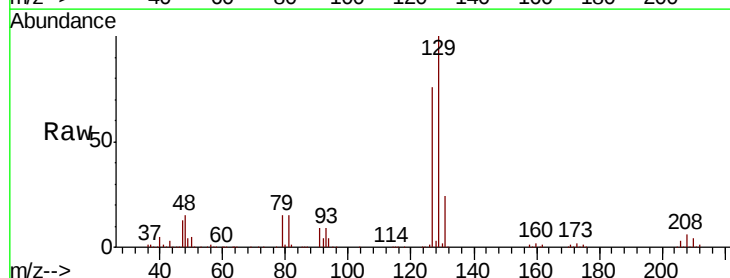
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

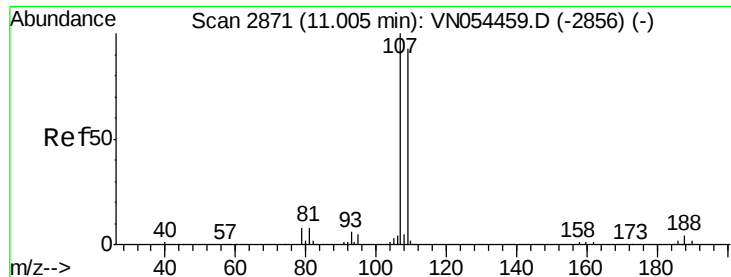
Tgt Ion: 43 Resp: 2954004
Ion Ratio Lower Upper
43 100
58 51.2 28.0 83.9



#60
Dibromochloromethane
Concen: 155.169 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 129 Resp: 962246
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8

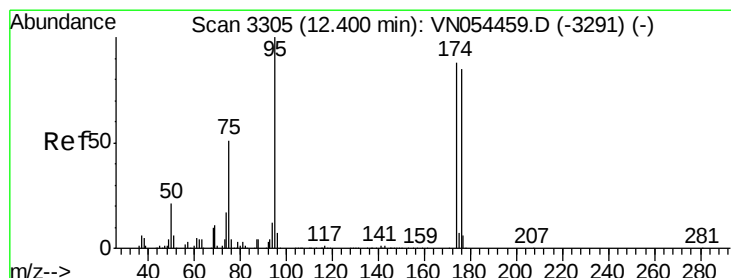
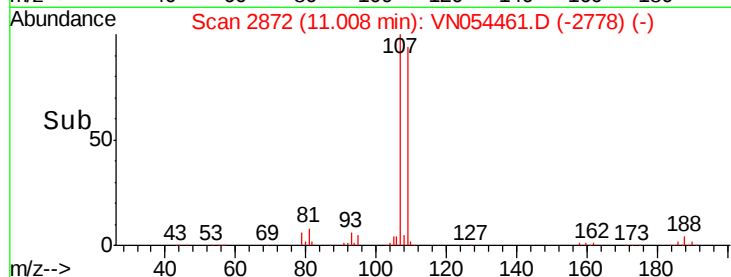
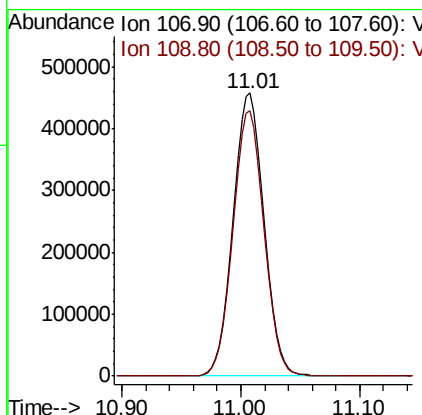
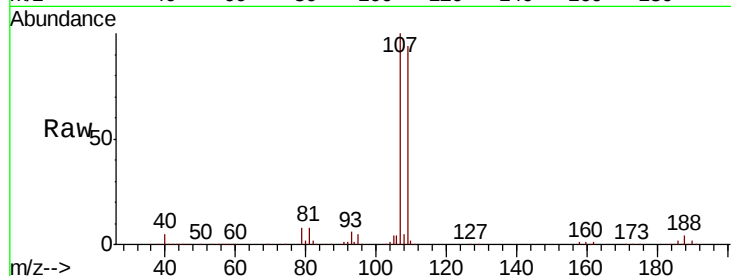




#61
 1,2-Dibromoethane
 Concen: 147.099 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

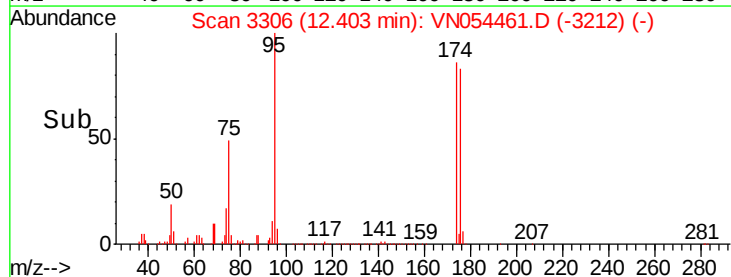
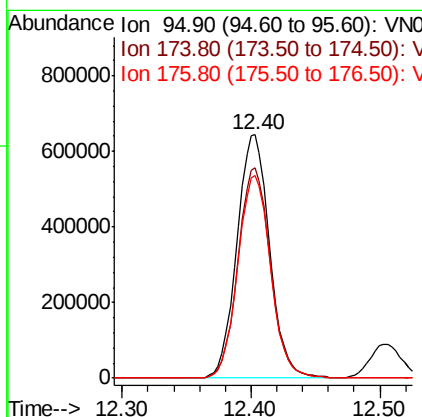
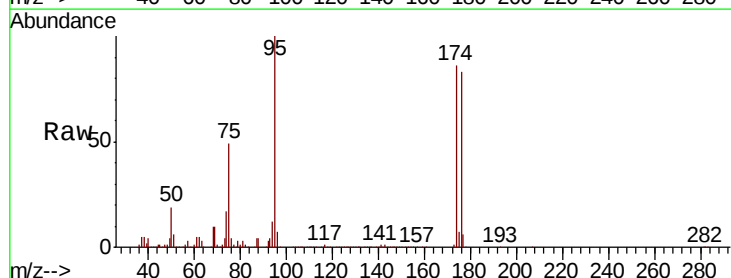
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

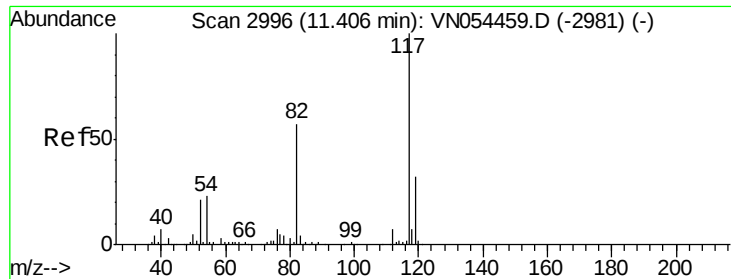
Tgt Ion: 107 Resp: 823584
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 150.848 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion: 95 Resp: 1135284
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 191.0
 176 83.6 0.0 187.4

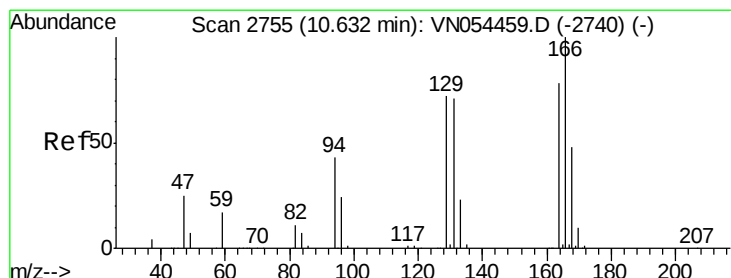
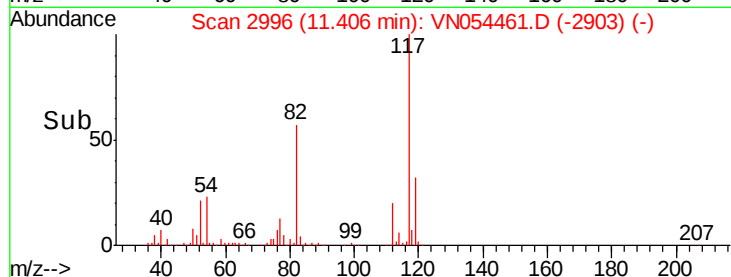
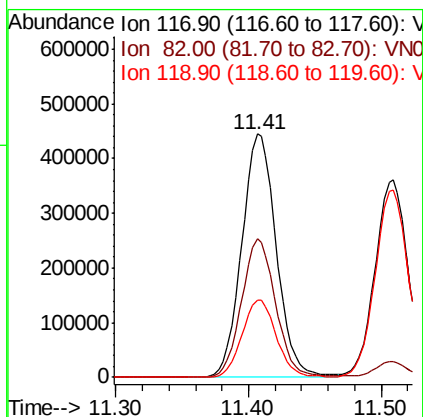
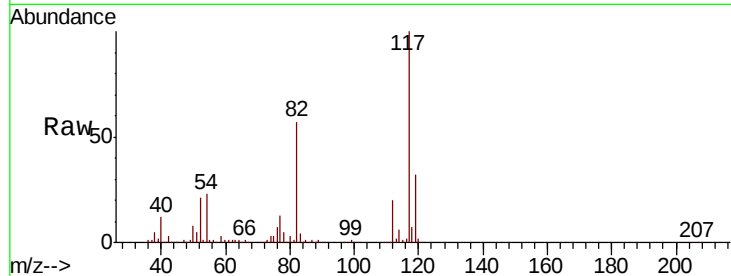




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

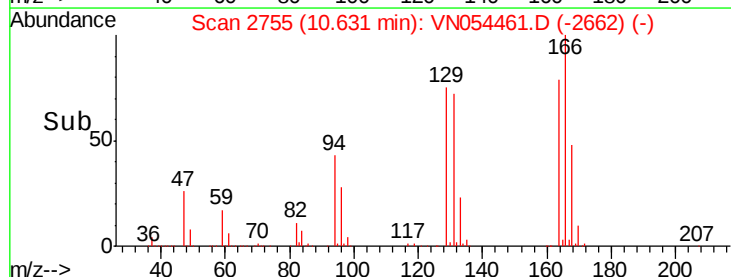
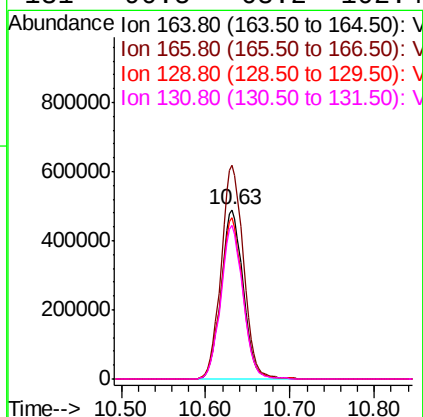
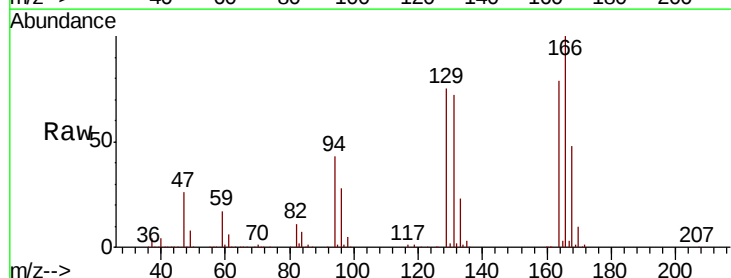
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

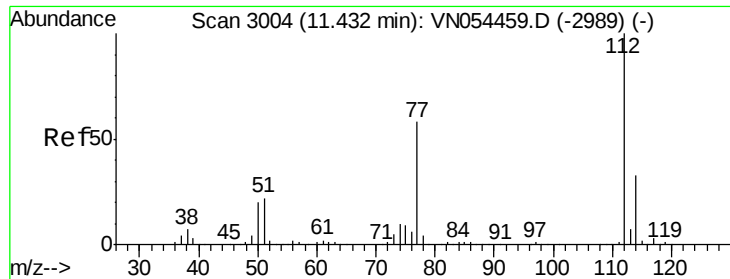
Tgt Ion:117 Resp: 803986
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 114.961 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion:164 Resp: 893631
Ion Ratio Lower Upper
164 100
166 125.9 103.9 155.9
129 94.7 71.1 106.7
131 90.5 68.2 102.4

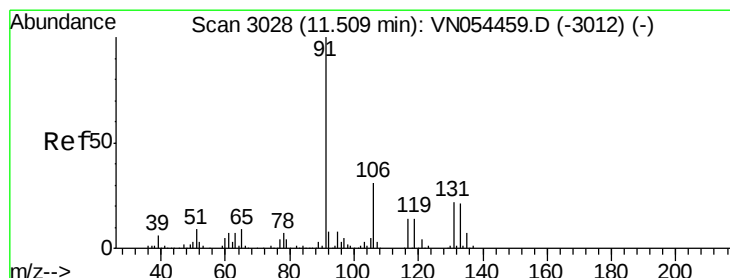
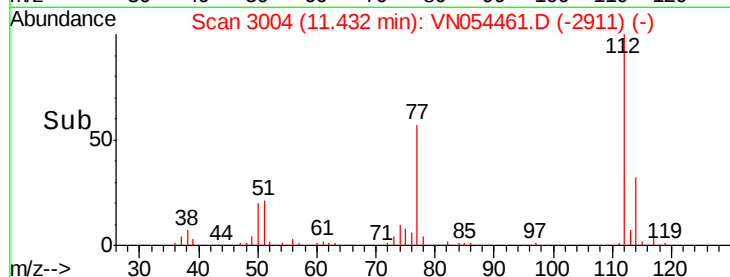
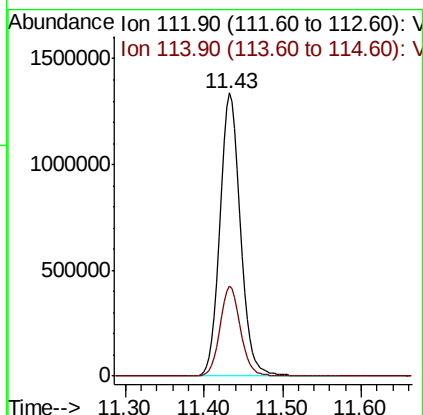
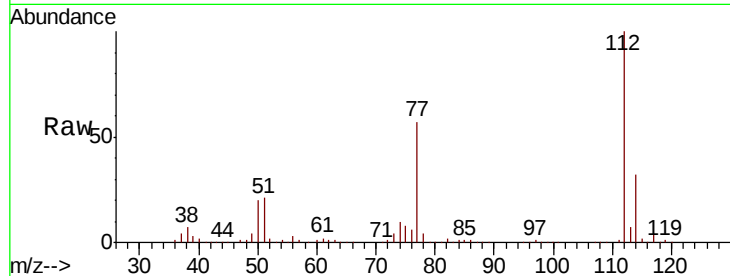




#65
Chlorobenzene
Concen: 135.895 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

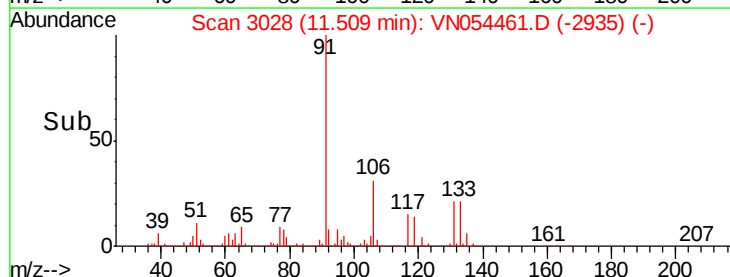
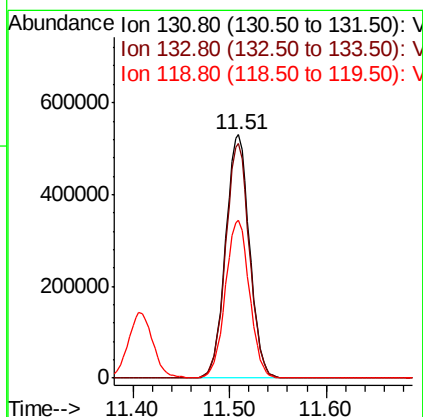
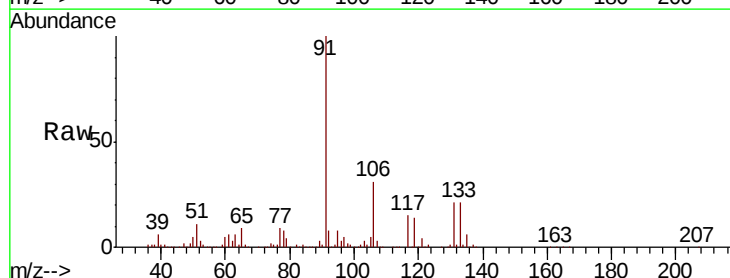
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

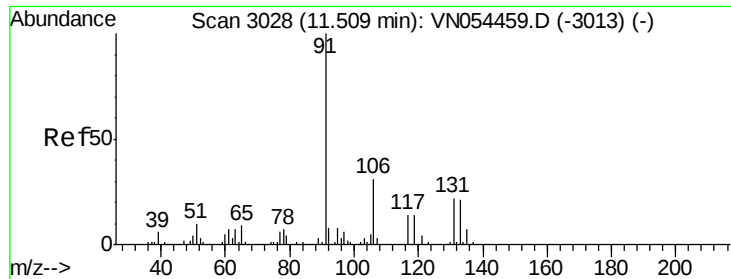
Tgt Ion:112 Resp: 2399010
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 141.935 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion:131 Resp: 910227
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.2 32.4 97.0

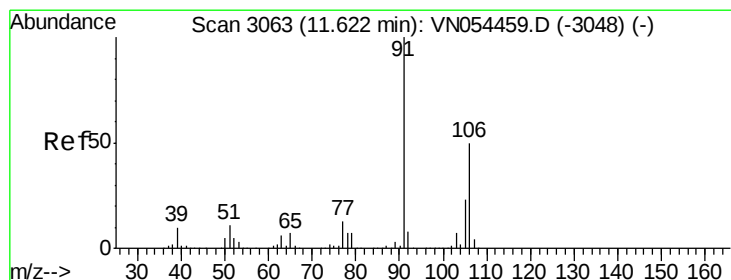
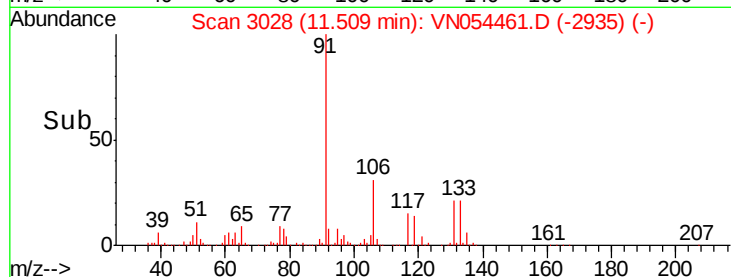
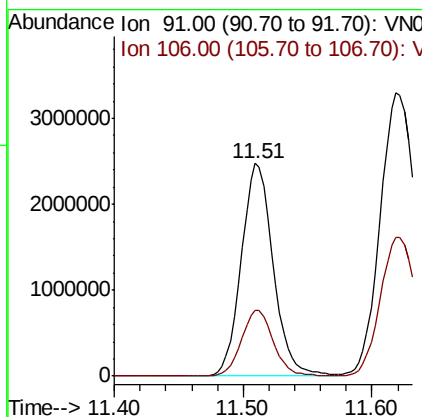
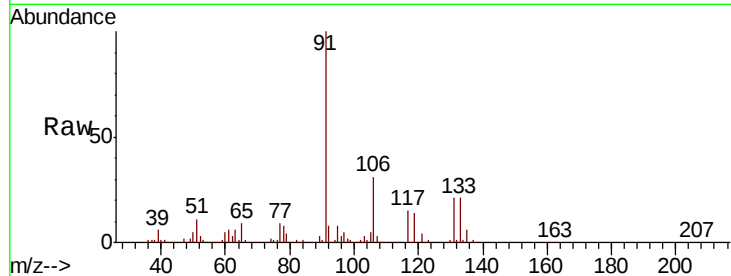




#67
Ethyl Benzene
Concen: 145.828 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

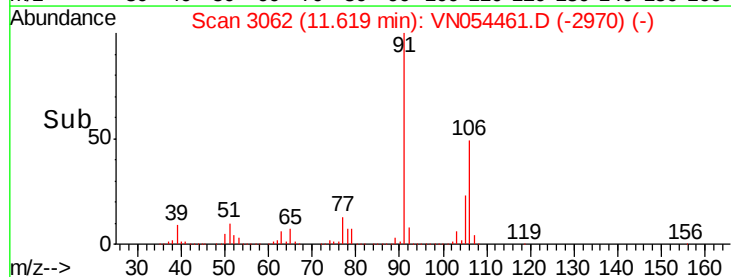
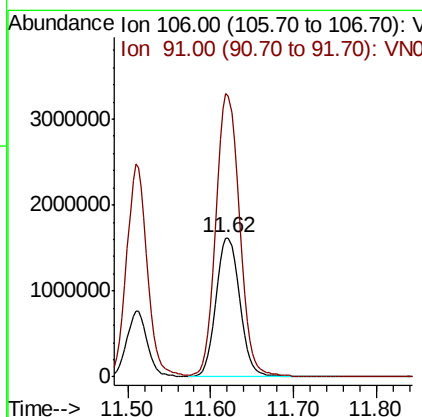
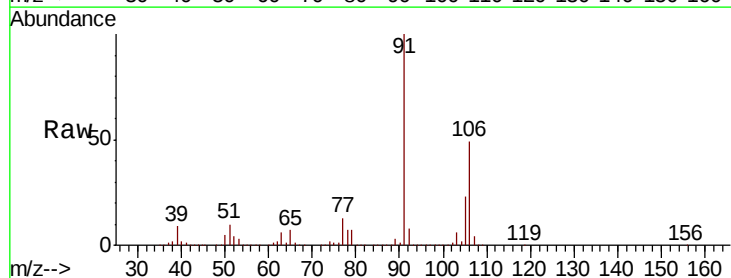
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

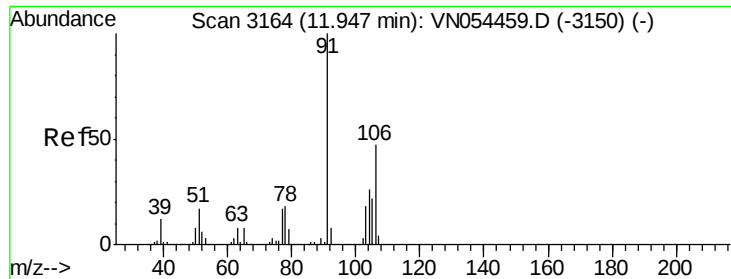
Tgt Ion: 91 Resp: 4267437
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 282.401 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion: 106 Resp: 3229960
Ion Ratio Lower Upper
106 100
91 203.1 159.4 239.2

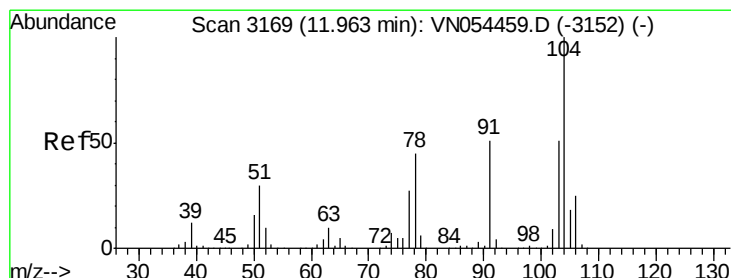
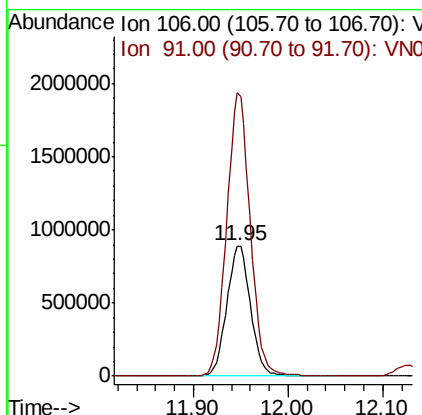
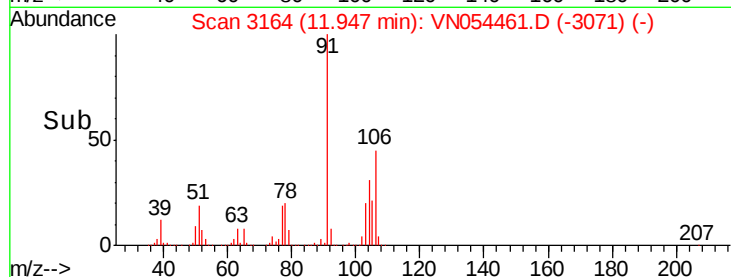
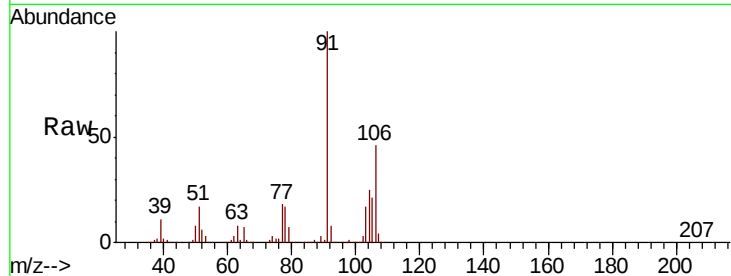




#69
o-Xylene
Concen: 139.245 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

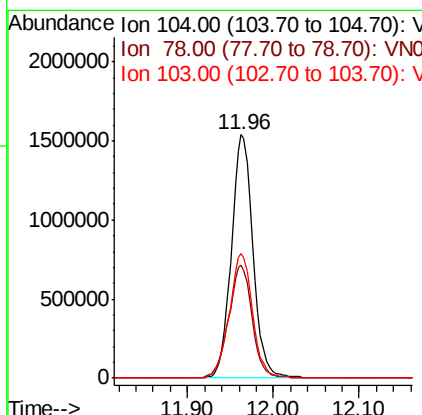
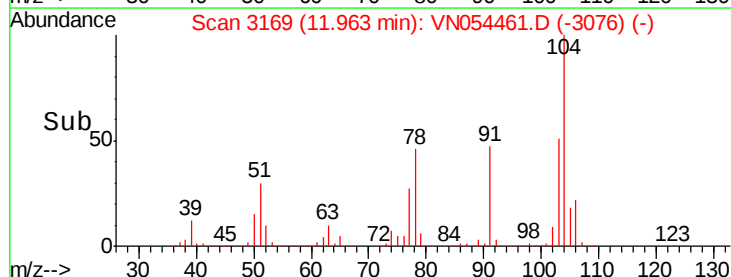
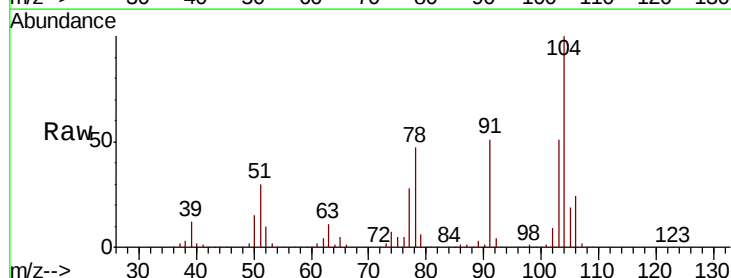
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

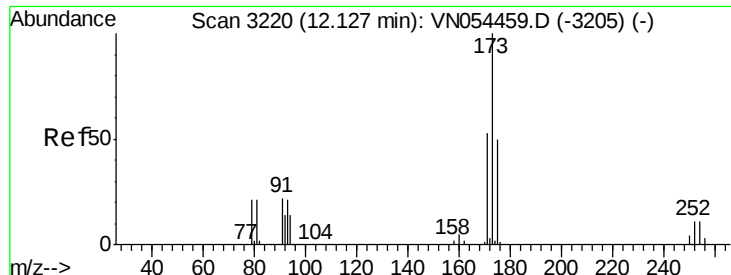
Tgt Ion:106 Resp: 1552530
Ion Ratio Lower Upper
106 100
91 215.3 105.7 317.1



#70
Styrene
Concen: 153.296 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion:104 Resp: 2680586
Ion Ratio Lower Upper
104 100
78 50.5 38.2 57.2
103 55.1 44.4 66.6

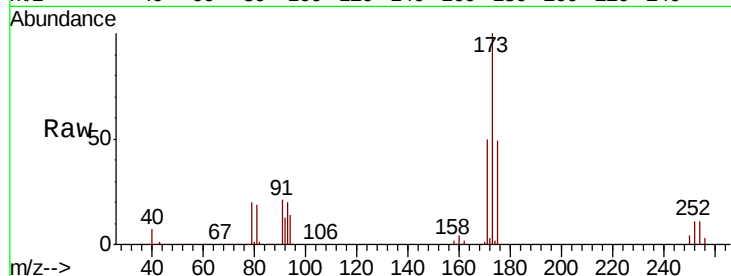




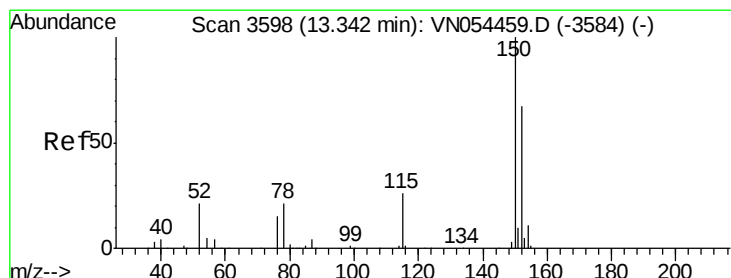
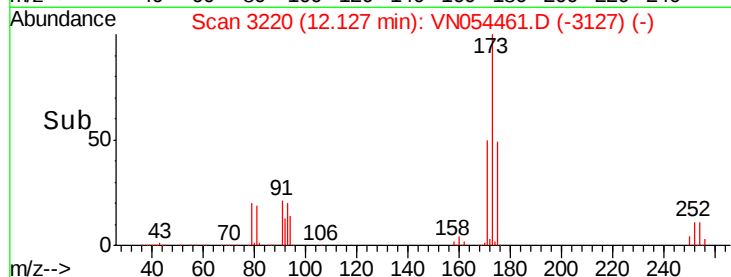
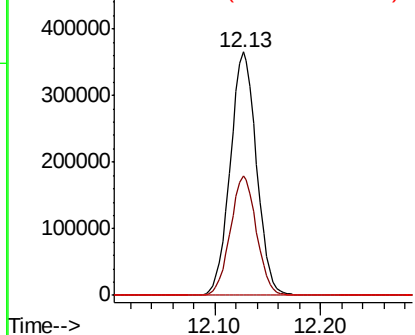
#71
Bromoform
Concen: 148.187 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 629020
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.2
254 0.2 0.1 0.1#

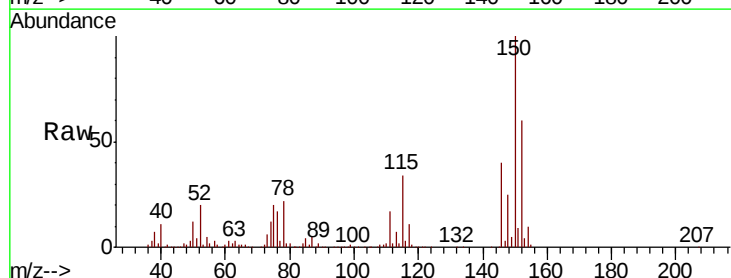


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

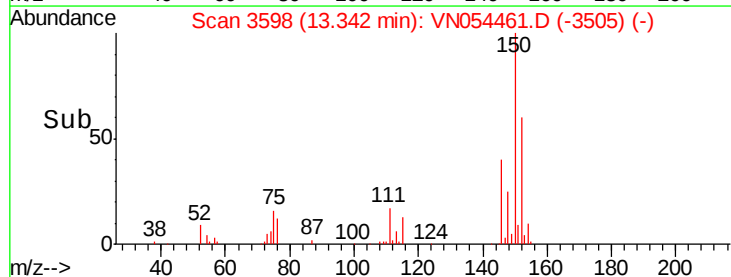
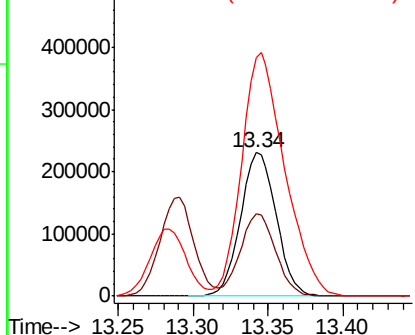


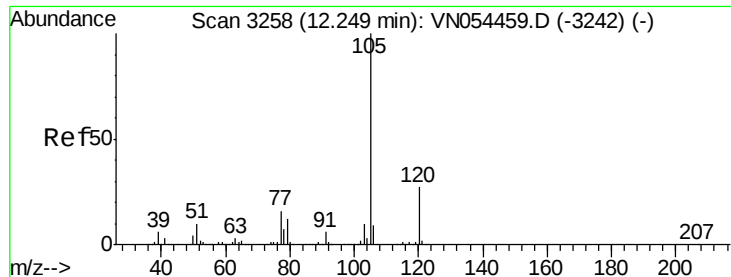
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054461.D
Acq: 20 Mar 2019 12:36

Tgt Ion:152 Resp: 383295
Ion Ratio Lower Upper
152 100
115 56.5 27.2 81.6
150 204.5 0.0 349.2



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





#73

Isopropylbenzene

Concen: 133.608 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

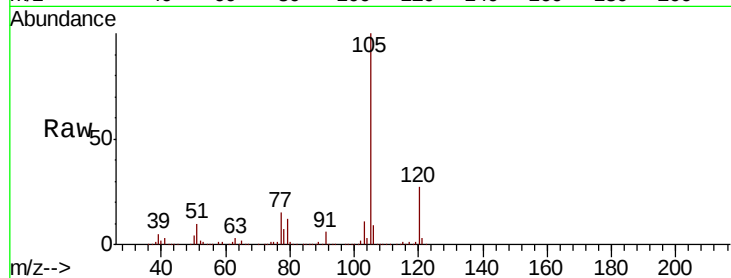
VSTDIC150

Tgt Ion:105 Resp: 4097206

Ion Ratio Lower Upper

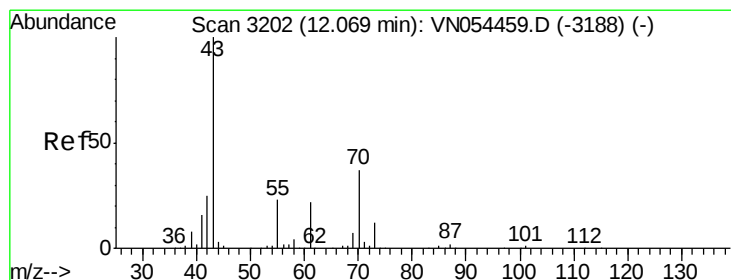
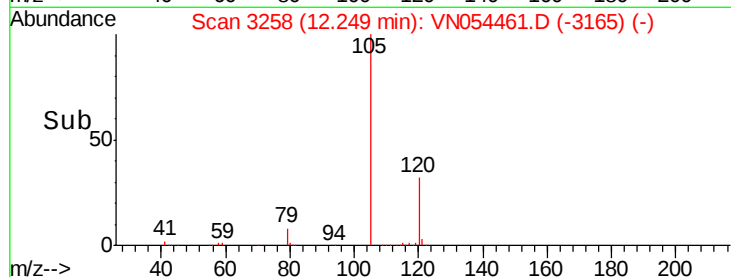
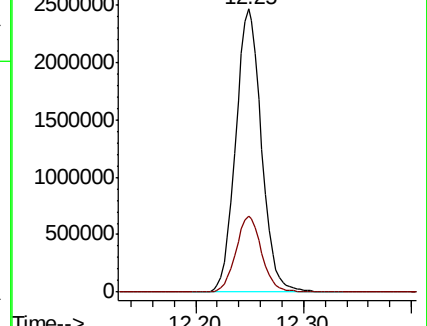
105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 204.590 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Tgt Ion: 43 Resp: 1392612

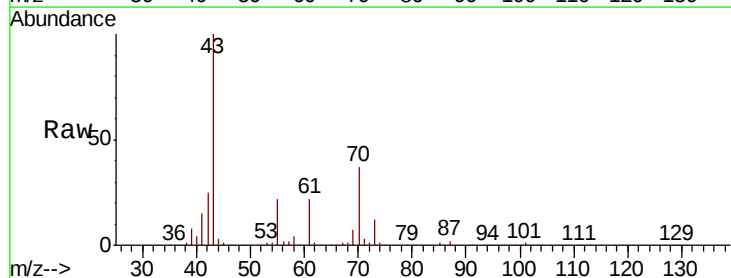
Ion Ratio Lower Upper

43 100

70 38.1 35.4 53.0

55 22.5 19.8 29.6

61 22.2 19.8 29.6

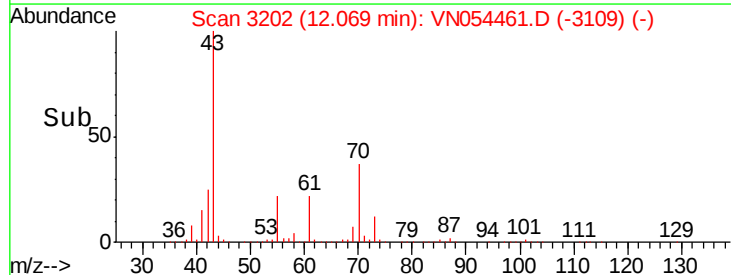
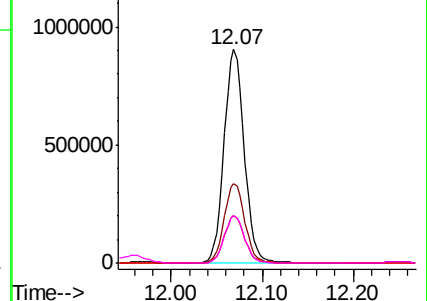


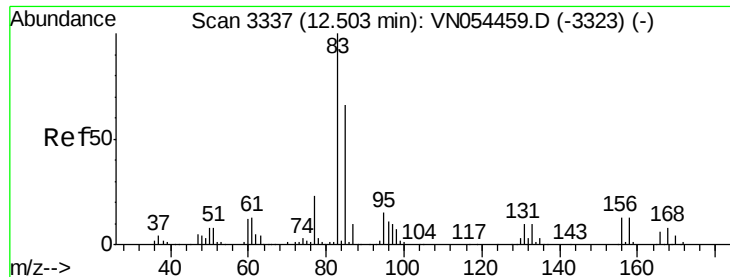
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 150.840 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

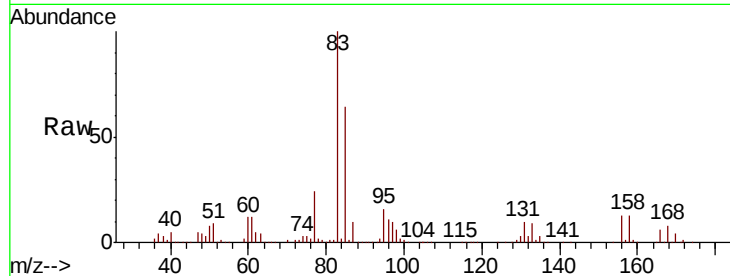
Tgt Ion: 83 Resp: 985522

Ion Ratio Lower Upper

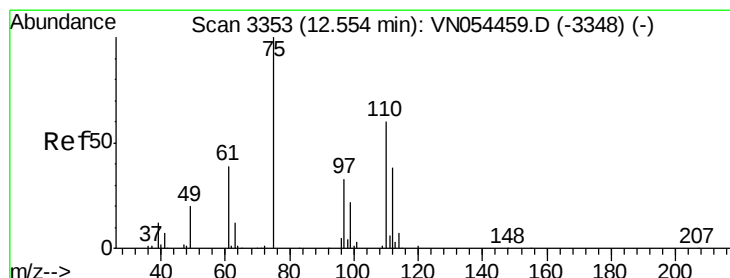
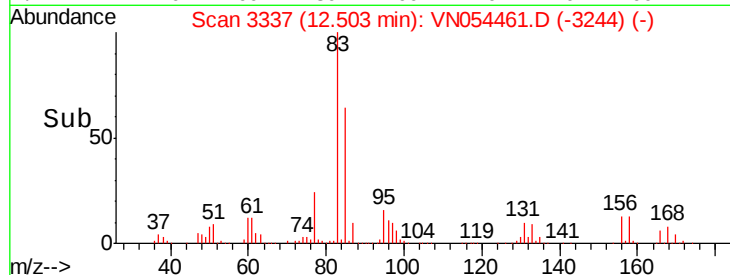
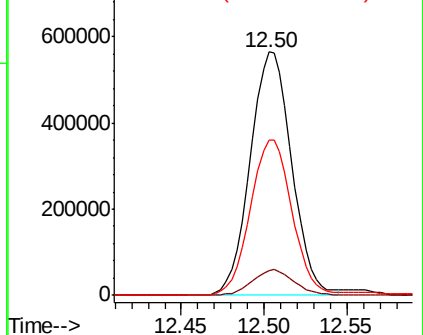
83 100

131 10.6 5.8 17.4

85 64.4 32.2 96.6



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



#76

1,2,3-Trichloropropane

Concen: 220.842 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054461.D

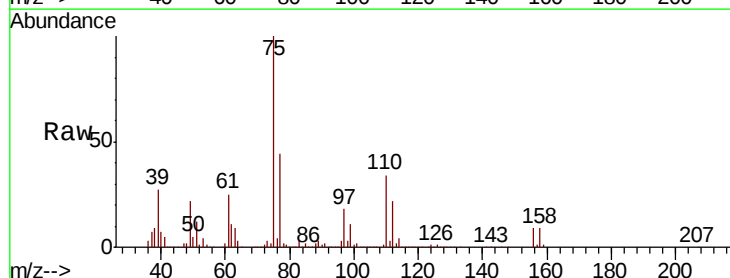
Acq: 20 Mar 2019 12:36

Tgt Ion: 75 Resp: 1244784

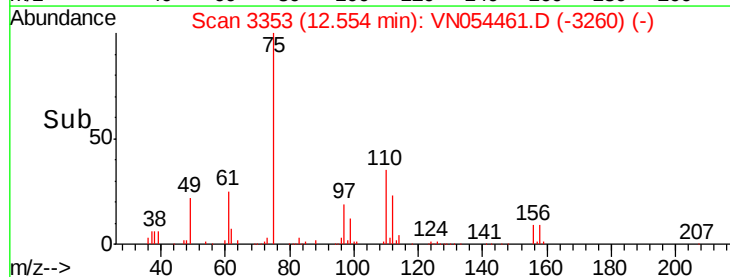
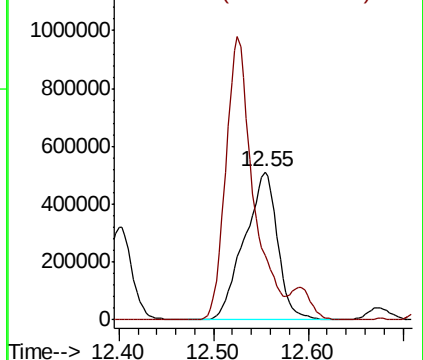
Ion Ratio Lower Upper

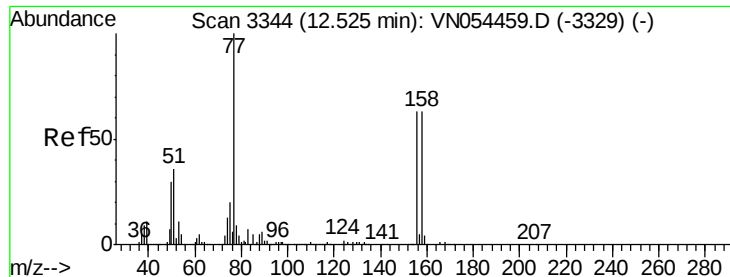
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 129.107 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

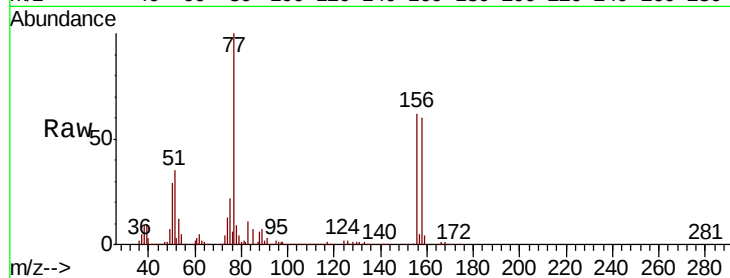
Tgt Ion:156 Resp: 1047664

Ion Ratio Lower Upper

156 100

77 188.8 81.5 244.4

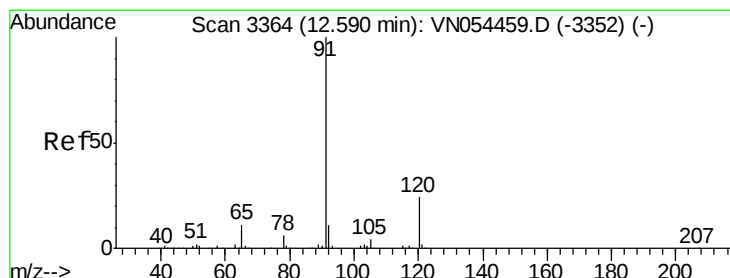
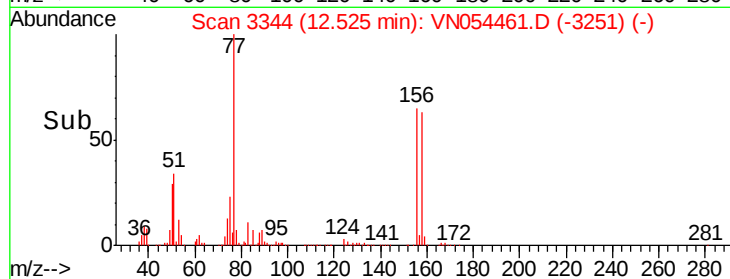
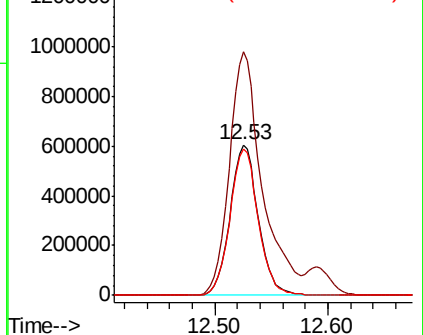
158 97.7 49.0 147.2



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: 137.528 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054461.D

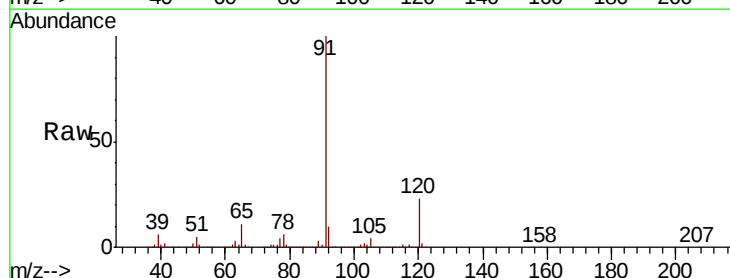
Acq: 20 Mar 2019 12:36

Tgt Ion: 91 Resp: 4576204

Ion Ratio Lower Upper

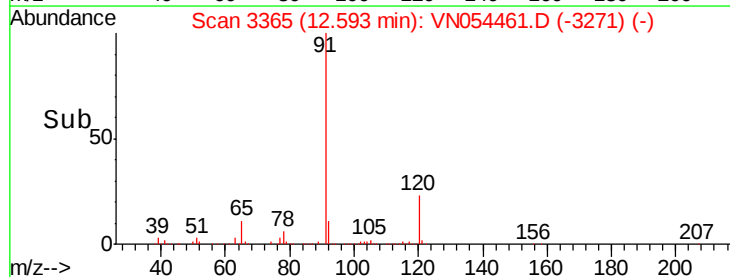
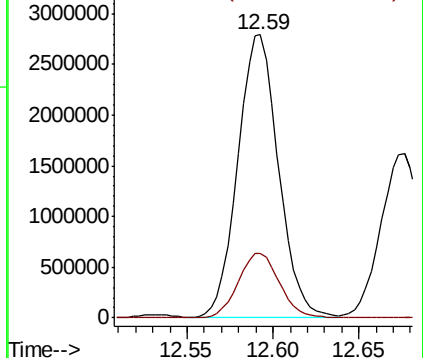
91 100

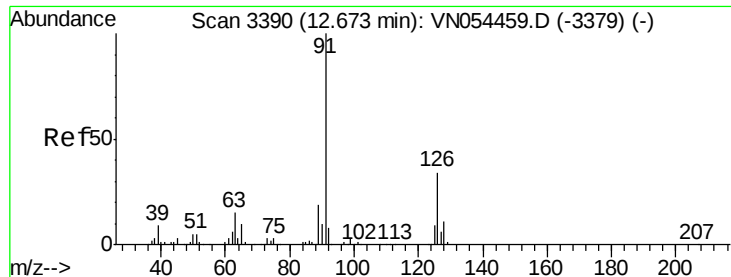
120 23.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 137.437 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

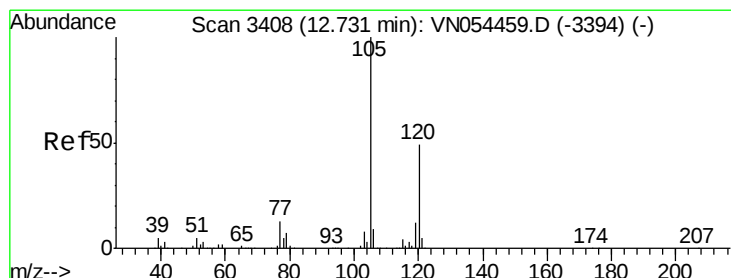
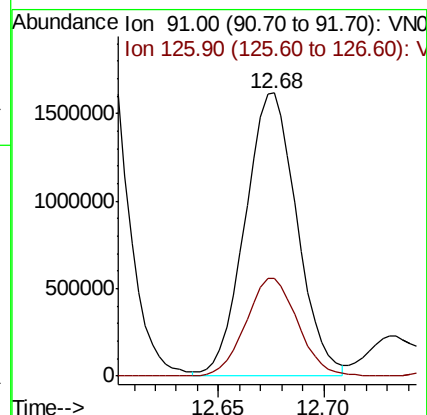
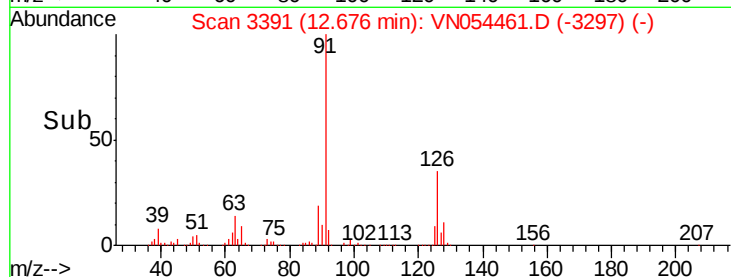
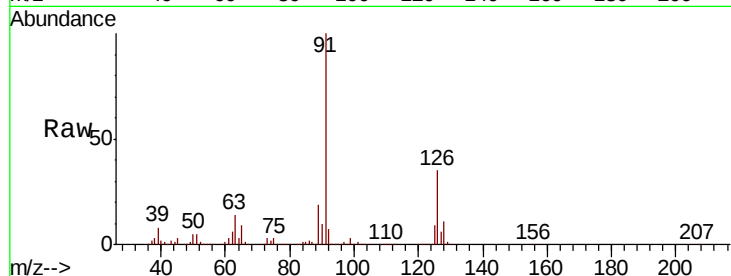
VSTDIC150

Tgt Ion: 91 Resp: 2749712

Ion Ratio Lower Upper

91 100

126 34.8 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 135.121 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054461.D

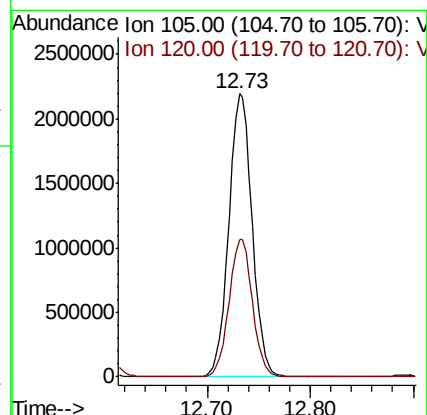
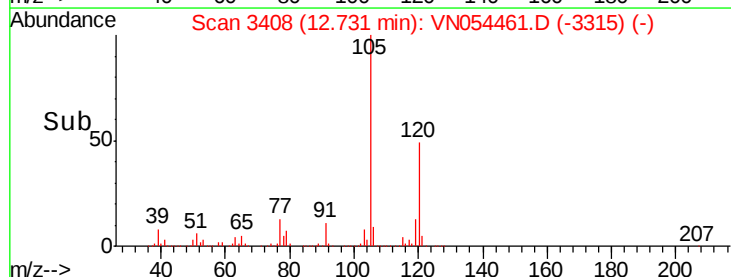
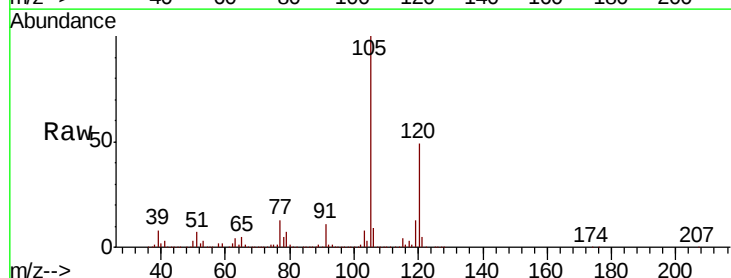
Acq: 20 Mar 2019 12:36

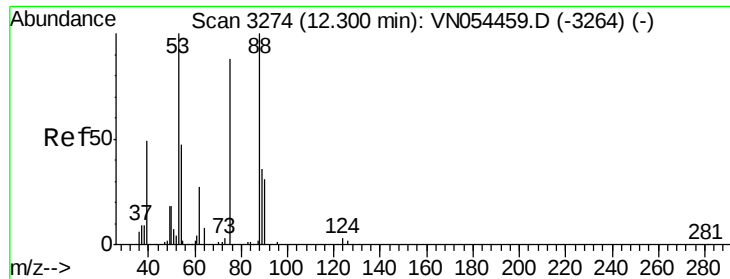
Tgt Ion: 105 Resp: 3446635

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 169.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

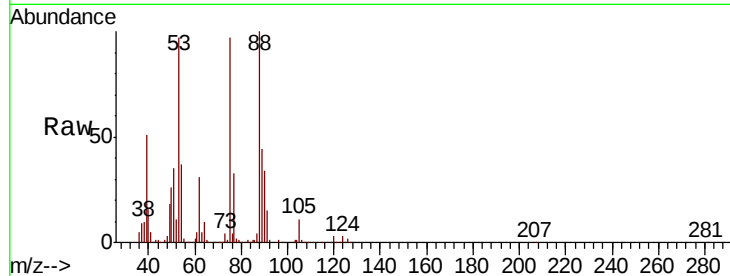
Tgt Ion: 75 Resp: 279748

Ion Ratio Lower Upper

75 100

53 104.5 76.2 114.2

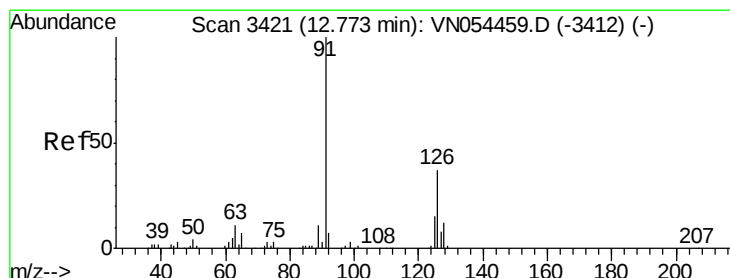
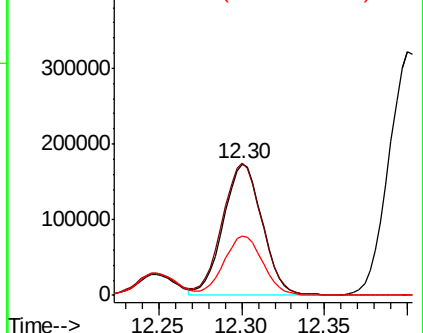
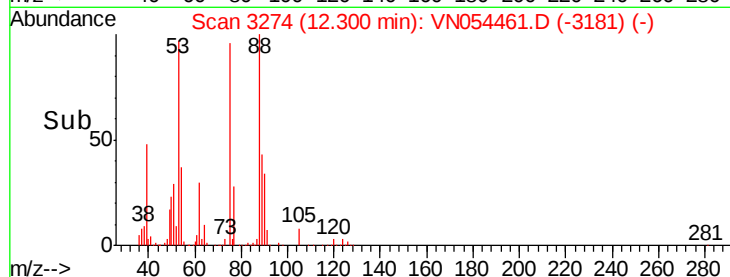
89 46.0 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 142.574 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054461.D

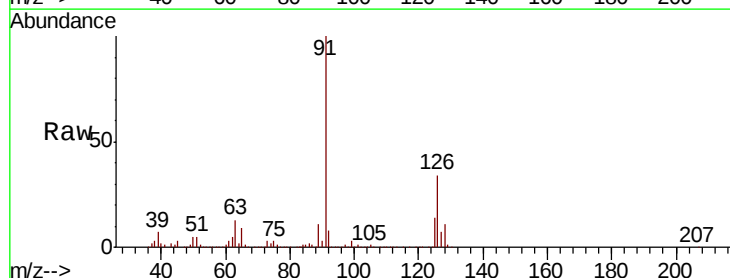
Acq: 20 Mar 2019 12:36

Tgt Ion: 91 Resp: 2848291

Ion Ratio Lower Upper

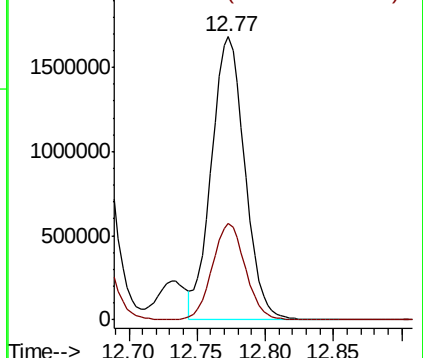
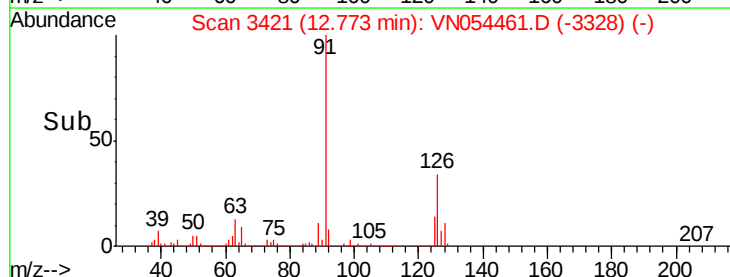
91 100

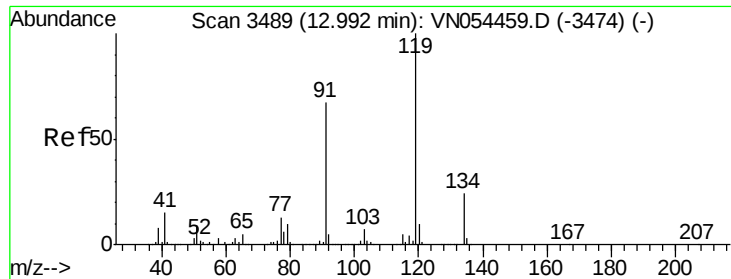
126 33.9 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

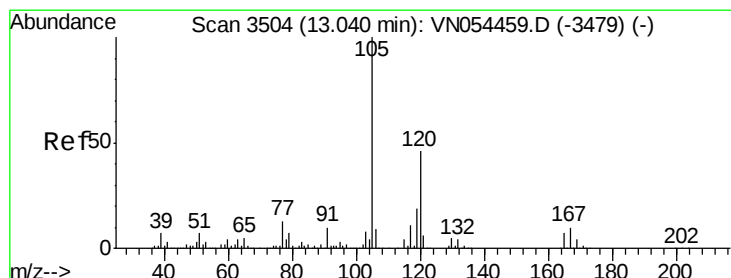
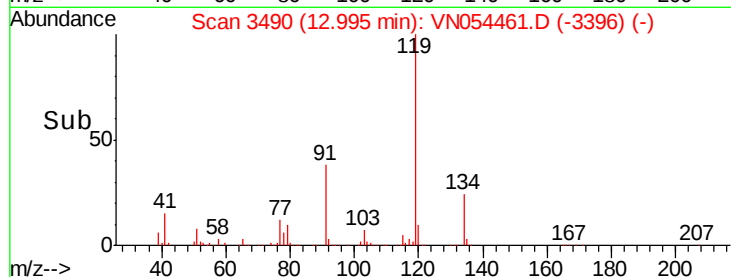
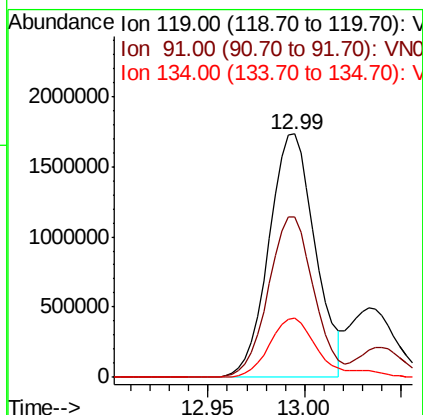
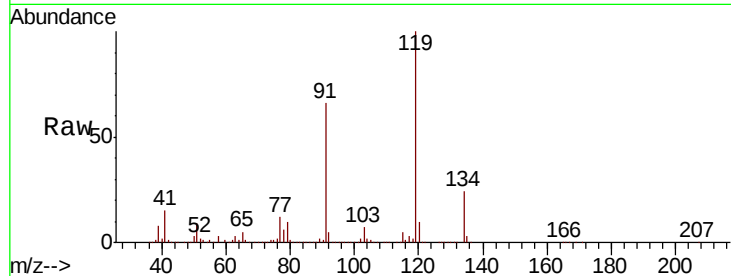




#83
 tert-Butylbenzene
 Concen: 122.535 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

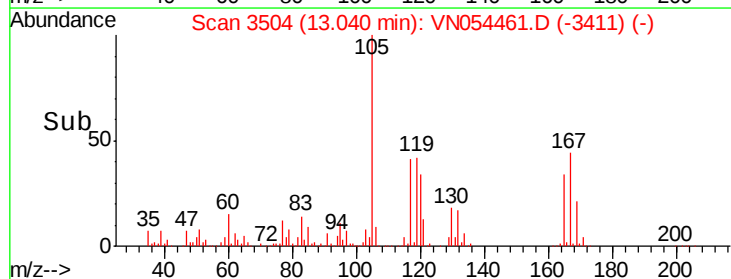
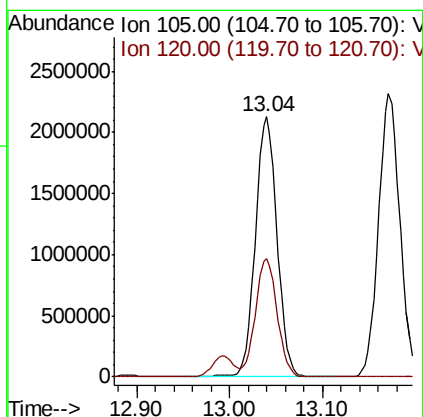
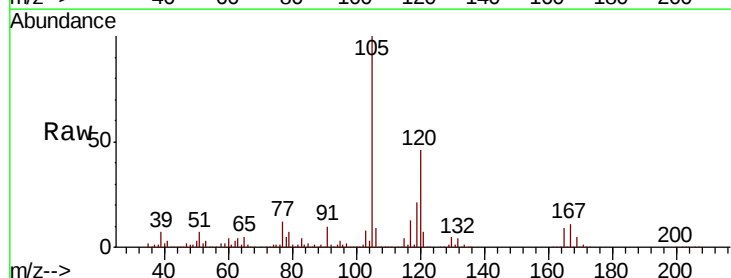
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

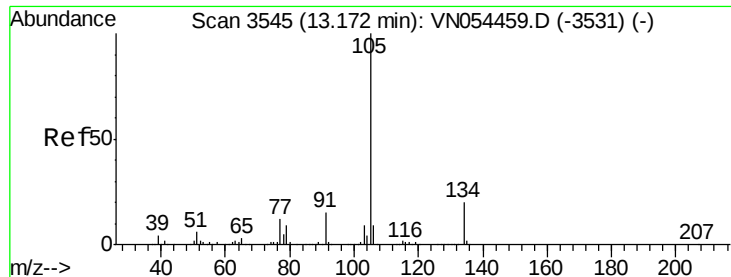
Tgt Ion:119 Resp: 2876920
 Ion Ratio Lower Upper
 119 100
 91 65.1 30.9 92.8
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 137.404 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion:105 Resp: 3438423
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 121.091 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

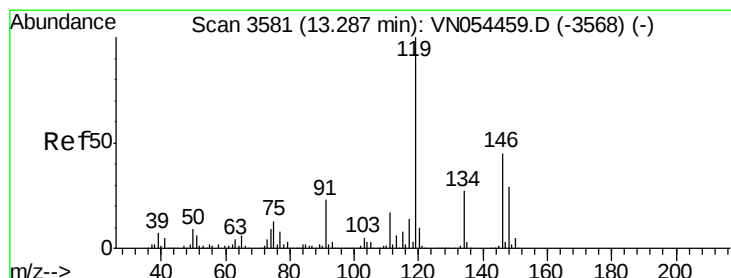
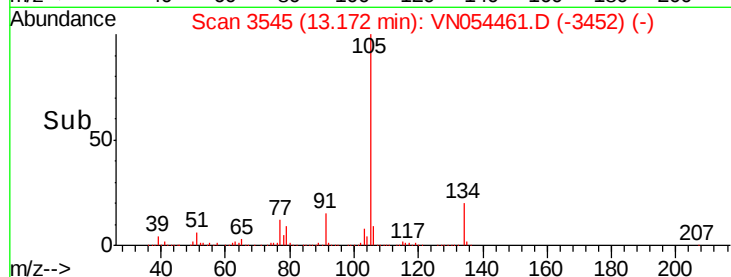
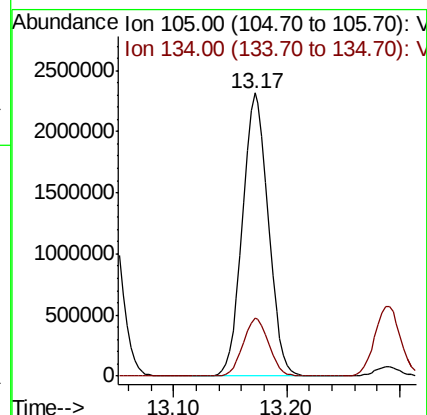
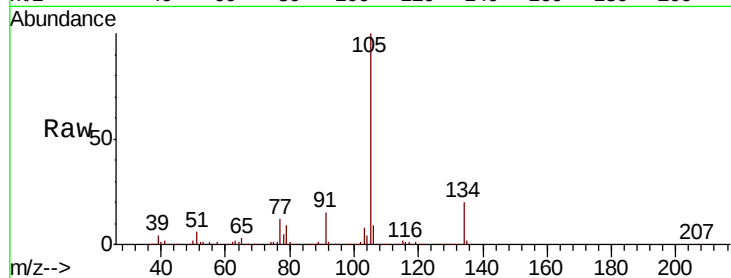
VSTDIC150

Tgt Ion:105 Resp: 3686984

Ion Ratio Lower Upper

105 100

134 20.4 10.7 32.1



#86

p-Isopropyltoluene

Concen: 128.089 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

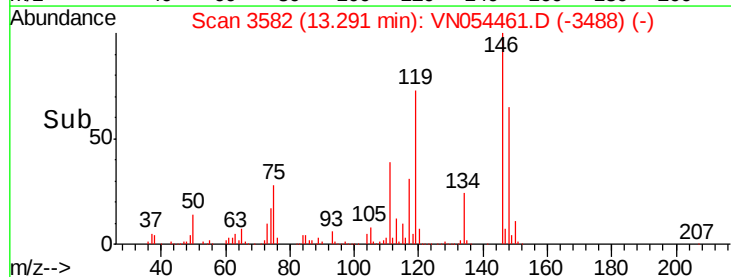
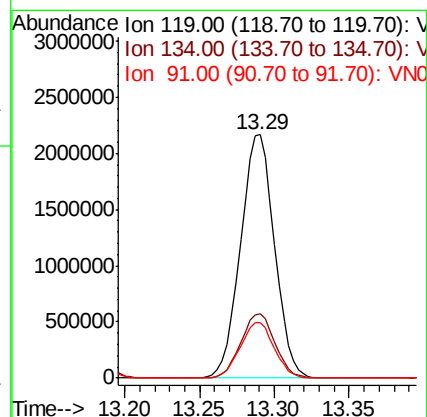
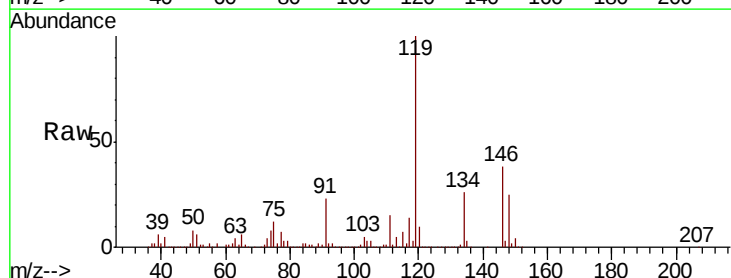
Tgt Ion:119 Resp: 3421547

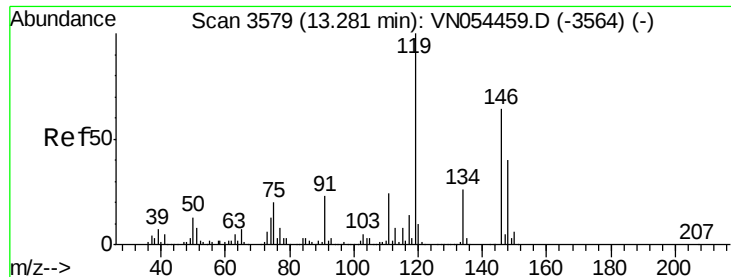
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.0 11.1 33.3

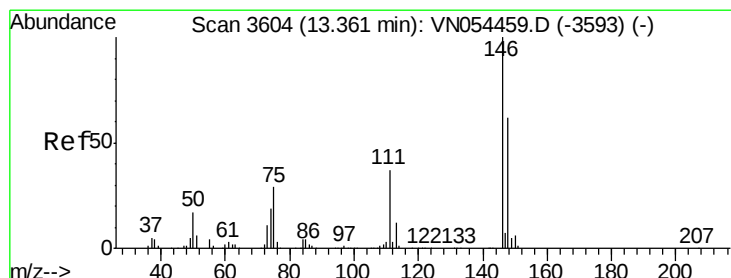
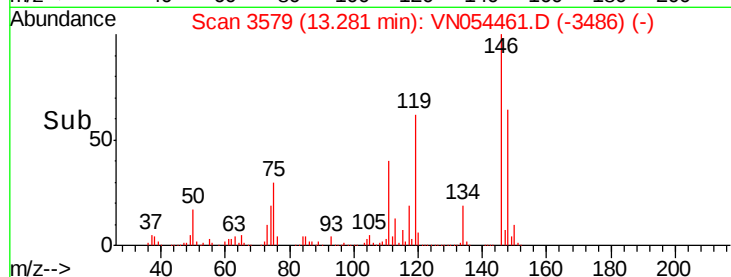
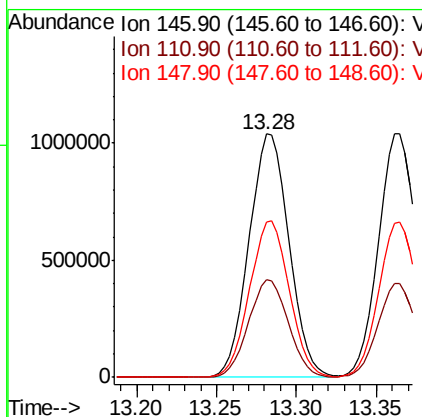
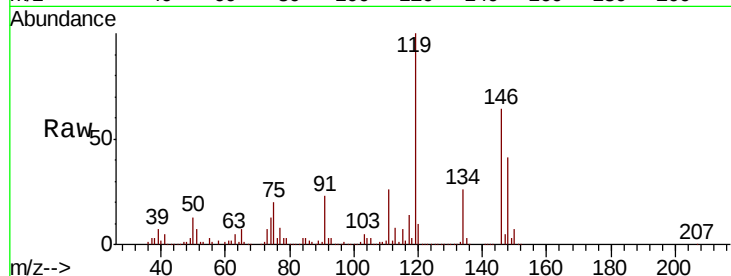




#87
 1,3-Dichlorobenzene
 Concen: 130.400 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

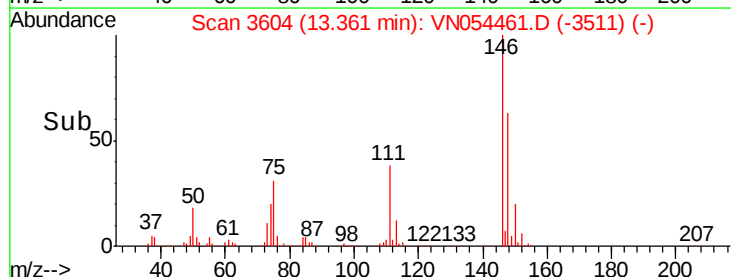
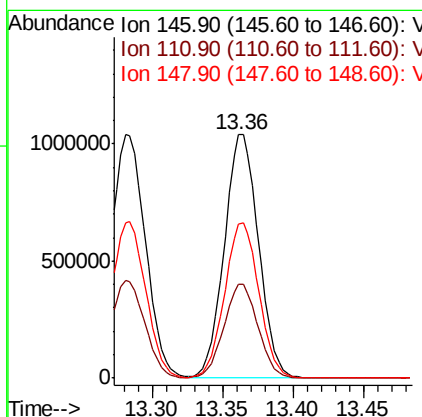
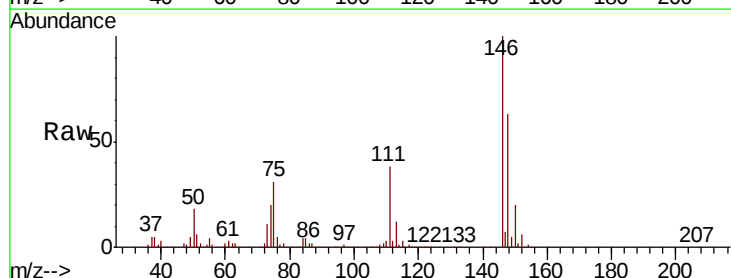
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

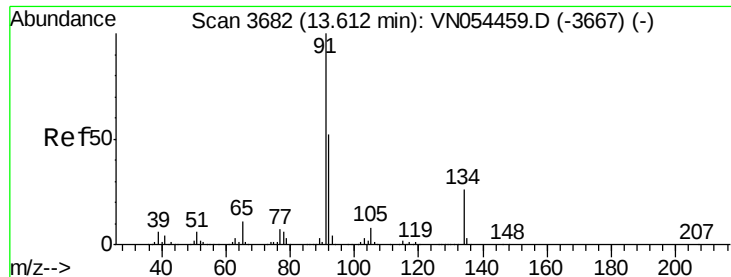
Tgt Ion:146 Resp: 1783021
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.8 56.3
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 131.033 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion:146 Resp: 1760082
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.1 54.1
 148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 140.364 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

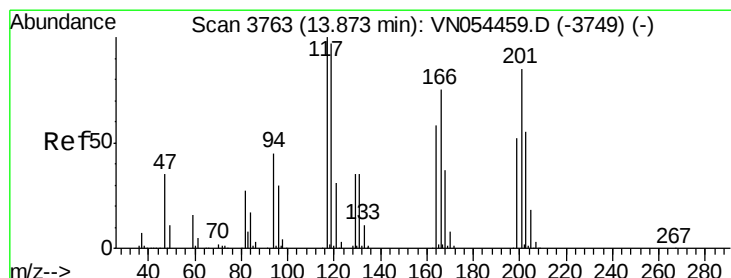
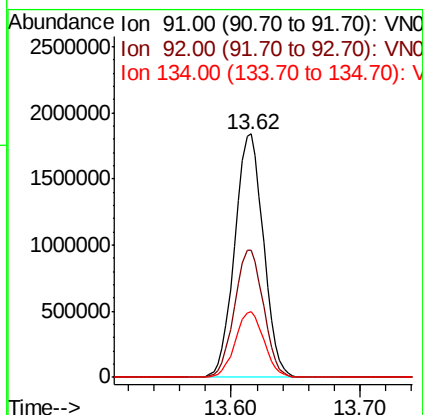
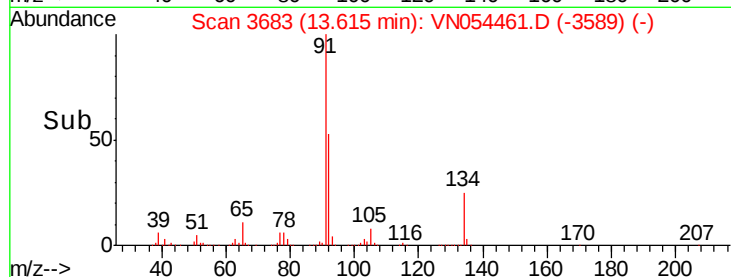
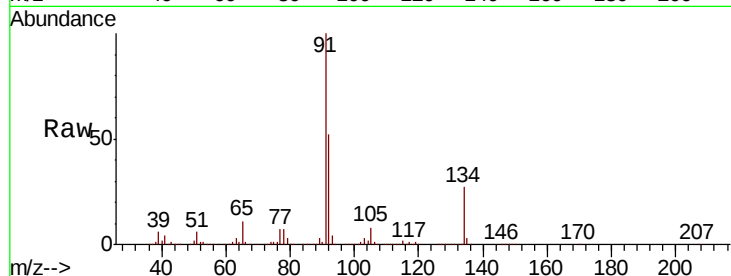
Tgt Ion: 91 Resp: 2848857

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.6

134 26.9 14.3 42.9



#90

Hexachloroethane

Concen: 135.718 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054461.D

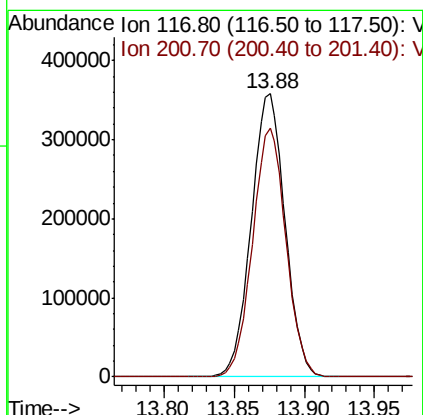
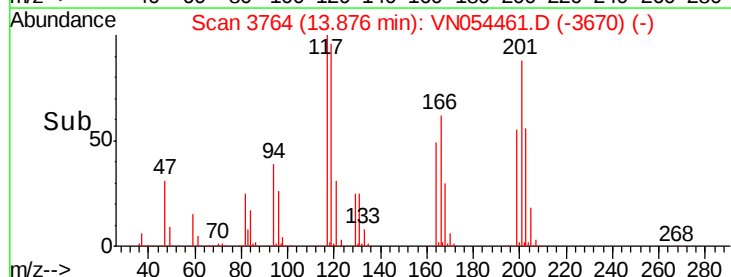
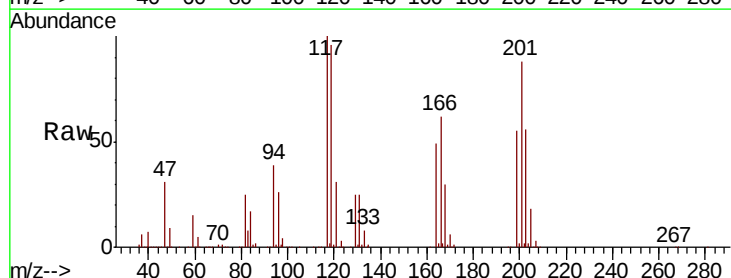
Acq: 20 Mar 2019 12:36

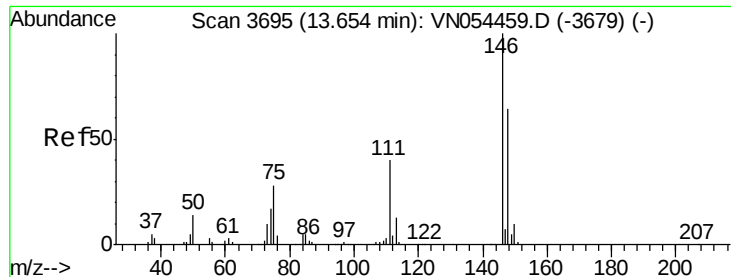
Tgt Ion: 117 Resp: 600294

Ion Ratio Lower Upper

117 100

201 86.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 127.183 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

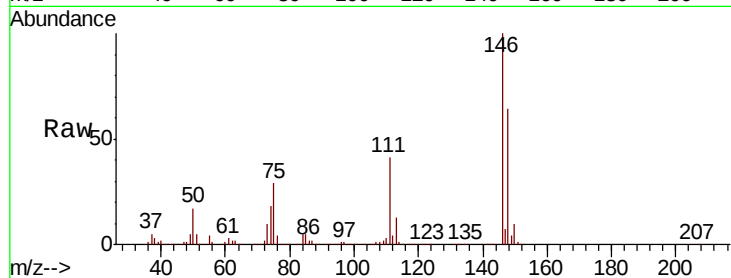
Tgt Ion:146 Resp: 1700071

Ion Ratio Lower Upper

146 100

111 41.0 19.1 57.3

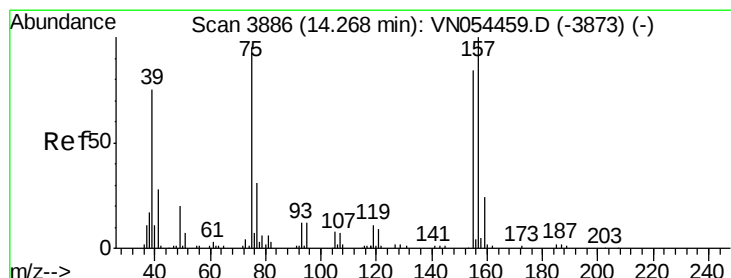
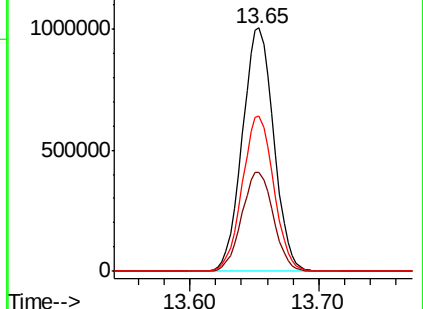
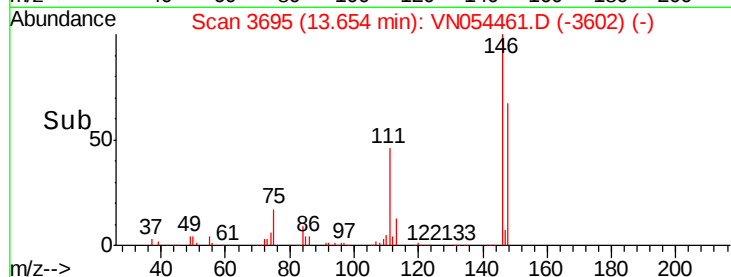
148 63.7 32.4 97.0



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: 158.621 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

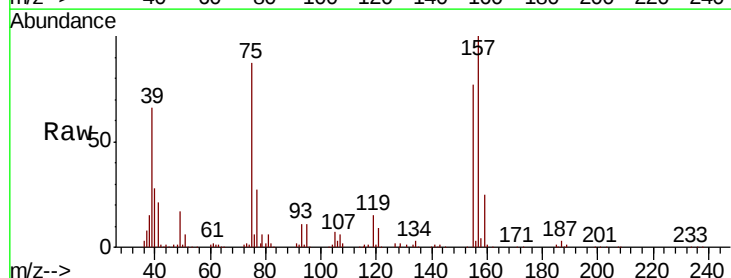
Tgt Ion: 75 Resp: 160370

Ion Ratio Lower Upper

75 100

155 89.2 50.1 150.3

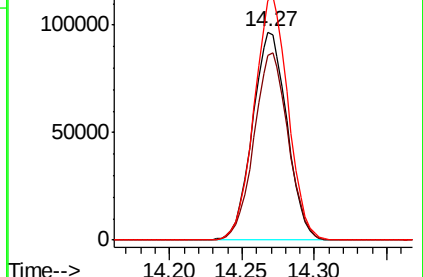
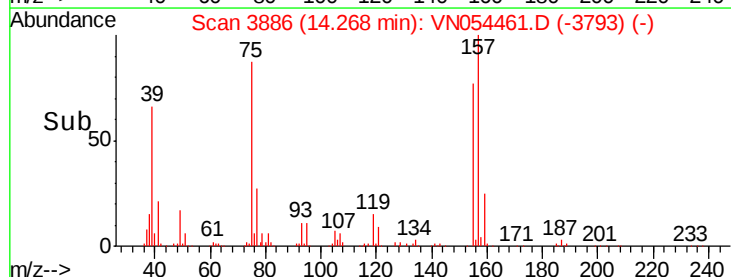
157 115.1 63.1 189.3

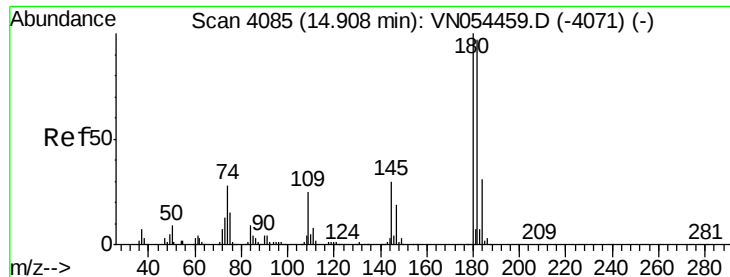


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

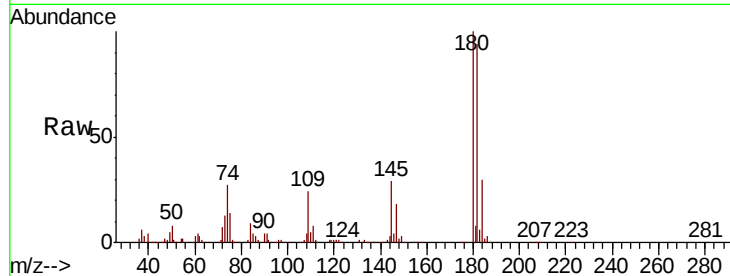




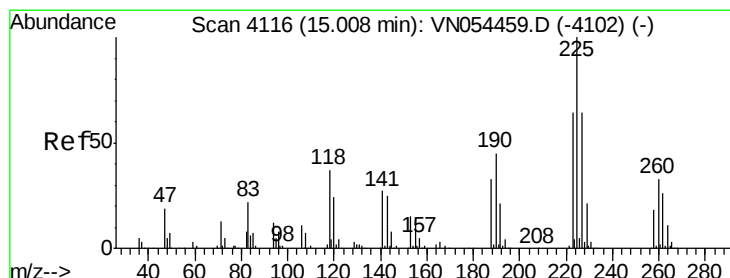
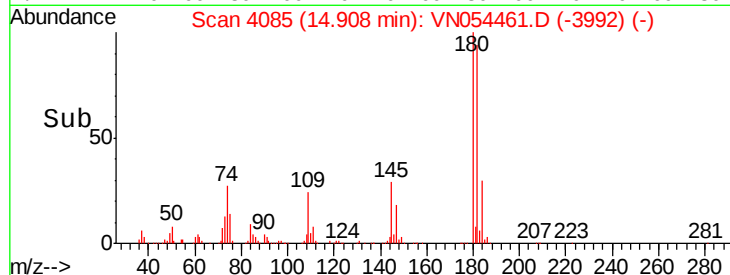
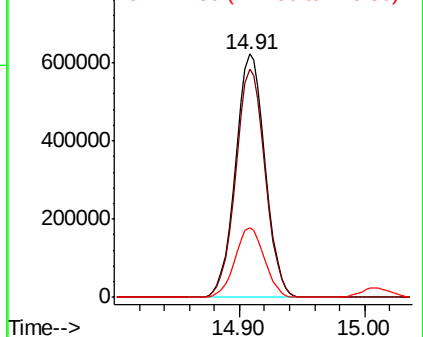
#93
 1,2,4-Trichlorobenzene
 Concen: 146.491 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1012032
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.0 144.2
 145 28.6 14.2 42.8

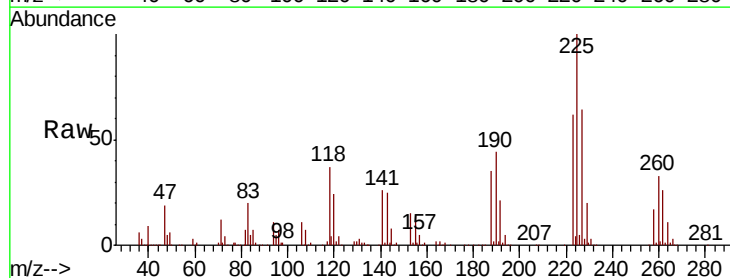


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

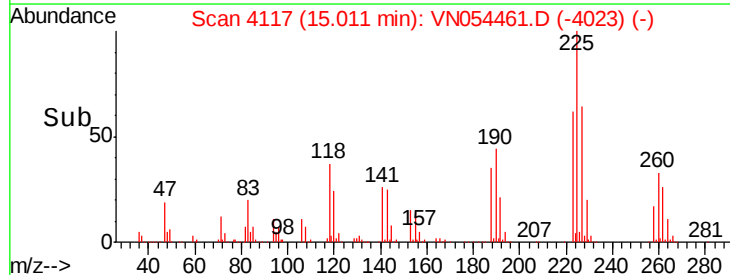
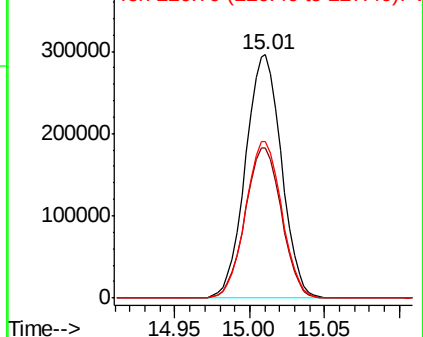


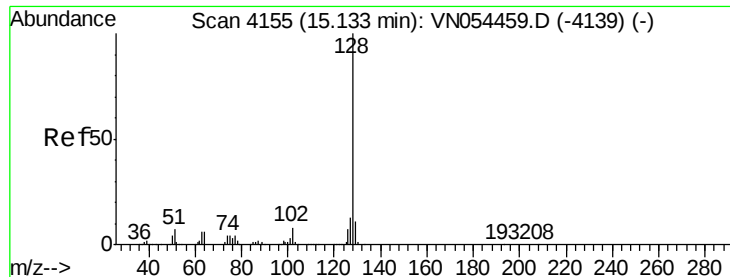
#94
 Hexachlorobutadiene
 Concen: 97.278 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054461.D
 Acq: 20 Mar 2019 12:36

Tgt Ion:225 Resp: 495293
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 64.6 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: 164.567 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

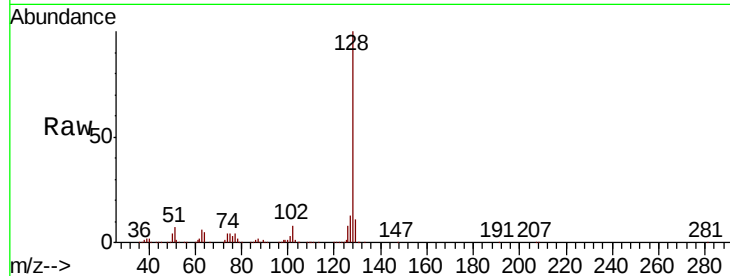
Tgt Ion:128 Resp: 2338532

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

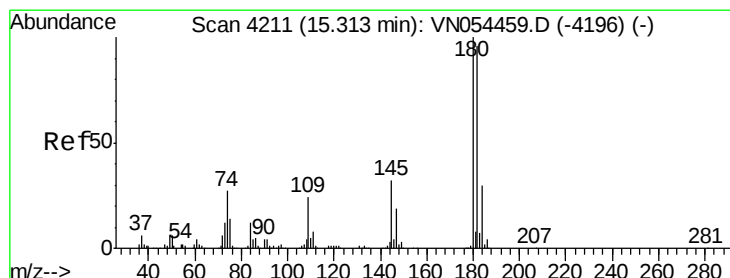
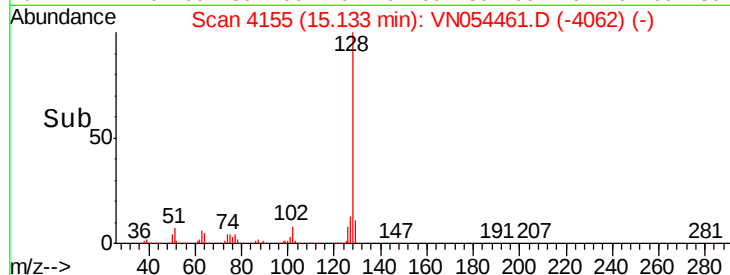
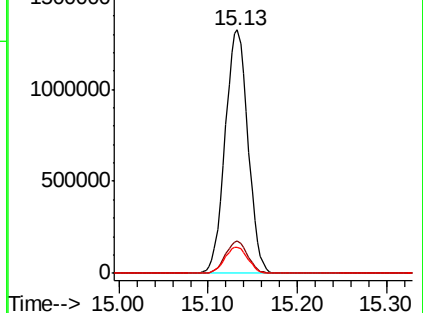
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 134.763 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054461.D

Acq: 20 Mar 2019 12:36

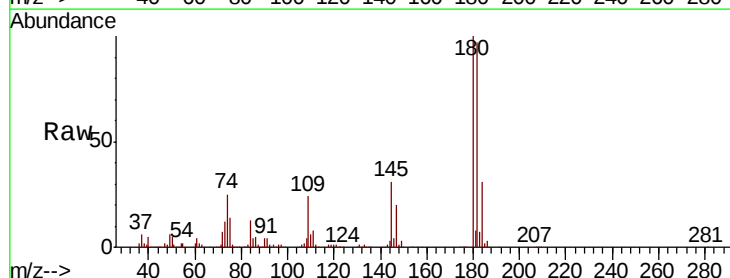
Tgt Ion:180 Resp: 957120

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 30.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

