

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056409.D
 Acq On : 20 Jun 2019 17:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 04:29:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	383818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	590783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219381	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	212535	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	185073	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.09	98	708625	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	237323	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159692	49.136	ug/l	98
3) Chloromethane	2.06	50	205401	46.416	ug/l	100
4) Vinyl Chloride	2.18	62	208406	48.761	ug/l	98
5) Bromomethane	2.53	94	117401	46.855	ug/l	98
6) Chloroethane	2.68	64	121521	49.096	ug/l	100
7) Trichlorofluoromethane	3.00	101	268197	48.510	ug/l	99
8) Diethyl Ether	3.41	74	114711	49.025	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	169865	48.178	ug/l	100
10) Methyl Iodide	3.95	142	244071	51.219	ug/l	100
11) Tert butyl alcohol	4.80	59	170854	238.468	ug/l	98
12) 1,1-Dichloroethene	3.73	96	167346	49.356	ug/l	98
13) Acrolein	3.60	56	116132	192.320	ug/l	98
14) Allyl chloride	4.32	41	283949	50.309	ug/l	100
15) Acrylonitrile	4.99	53	507838	256.212	ug/l	100
16) Acetone	3.82	43	446706	209.597	ug/l	100
17) Carbon Disulfide	4.05	76	359741	46.648	ug/l	99
18) Methyl Acetate	4.32	43	226962	54.449	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	567841	50.613	ug/l	100
20) Methylene Chloride	4.55	84	198386	49.366	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	178454	48.817	ug/l	96
22) Diisopropyl ether	5.95	45	593578	50.077	ug/l	96
23) Vinyl Acetate	5.90	43	2483793	265.671	ug/l	100
24) 1,1-Dichloroethane	5.85	63	336364	49.435	ug/l	99
25) 2-Butanone	6.84	43	693109	245.719	ug/l	98
26) 2,2-Dichloropropane	6.82	77	237630	50.214	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	211947	49.557	ug/l	98
28) Bromochloromethane	7.19	49	168483	50.061	ug/l	100
29) Tetrahydrofuran	7.21	42	452824	262.695	ug/l	99
30) Chloroform	7.37	83	333731	49.706	ug/l	99
31) Cyclohexane	7.65	56	305879	46.565	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	268184	50.392	ug/l	100
36) 1,1-Dichloropropene	7.79	75	247621	47.620	ug/l	98
37) Ethyl Acetate	6.93	43	271622	53.153	ug/l	99
38) Carbon Tetrachloride	7.77	117	222851	49.008	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	306579	47.781	ug/l	99
40) Benzene	8.04	78	774566	48.425	ug/l	99
41) Methacrylonitrile	7.18	41	124165	55.024	ug/l	90
42) 1,2-Dichloroethane	8.12	62	253965	48.111	ug/l	100
43) Isopropyl Acetate	8.17	43	420110	53.315	ug/l	100
44) Trichloroethene	8.83	130	214918	49.880	ug/l	99
45) 1,2-Dichloropropane	9.12	63	210767	49.272	ug/l	99
46) Dibromomethane	9.21	93	134847	50.386	ug/l	100
47) Bromodichloromethane	9.40	83	244592	51.531	ug/l	99
48) Methyl methacrylate	9.20	41	208703	52.853	ug/l	97
49) 1,4-Dioxane	9.20	88	76590	934.654	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1327186	260.953	ug/l	100
52) Toluene	10.16	92	478731	48.955	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	264807	48.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	304997	53.359	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200980	51.130	ug/l	99
56) Ethyl methacrylate	10.43	69	307485	53.527	ug/l	99
57) 1,3-Dichloropropane	10.71	76	333527	50.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	723950	350.798	ug/l	100
59) 2-Hexanone	10.75	43	928803	248.478	ug/l	99
60) Dibromochloromethane	10.90	129	192020	47.644	ug/l	100
61) 1,2-Dibromoethane	11.01	107	203883	50.785	ug/l	98
64) Tetrachloroethene	10.63	164	224720	54.003	ug/l	99
65) Chlorobenzene	11.43	112	516515	48.919	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	186334	52.216	ug/l	99
67) Ethyl Benzene	11.51	91	904096	48.767	ug/l	100
68) m/p-Xylenes	11.62	106	673459	99.122	ug/l	100
69) o-Xylene	11.95	106	331894	49.376	ug/l	99
70) Styrene	11.96	104	553321	51.500	ug/l	99
71) Bromoform	12.13	173	132978	46.431	ug/l #	100
73) Isopropylbenzene	12.25	105	875830	53.332	ug/l	100
74) N-amyl acetate	12.07	43	335084	47.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	265593	52.200	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	325226	71.495	ug/l #	100
77) Bromobenzene	12.53	156	227201	46.317	ug/l	99
78) n-propylbenzene	12.59	91	954151	47.494	ug/l	100
79) 2-Chlorotoluene	12.67	91	576433	52.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	717202	52.039	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	66805	52.196	ug/l	96
82) 4-Chlorotoluene	12.77	91	552848	46.607	ug/l	99
83) tert-Butylbenzene	12.99	119	638447	53.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	702702	47.581	ug/l	100
85) sec-Butylbenzene	13.17	105	818511	46.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	732544	48.340	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	361415	48.617	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345388	47.974	ug/l	100
89) n-Butylbenzene	13.61	91	558911	48.719	ug/l	99
90) Hexachloroethane	13.87	117	111078	47.015	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	354944	48.125	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43222	53.246	ug/l	96

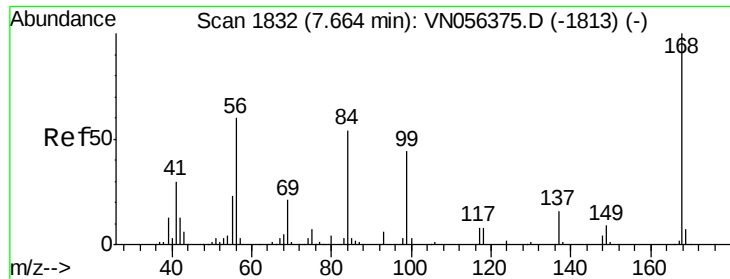
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162528	43.178	ug/l	97
94) Hexachlorobutadiene	15.01	225	123636	49.444	ug/l	99
95) Naphthalene	15.13	128	448412	45.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	177716	45.134	ug/l	98

(#) = 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: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

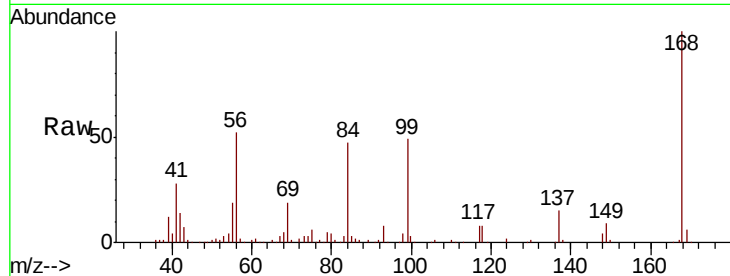
ClientSampleId :

Tot Ion:168 Resp: 383818

Ion Ratio Lower Upper

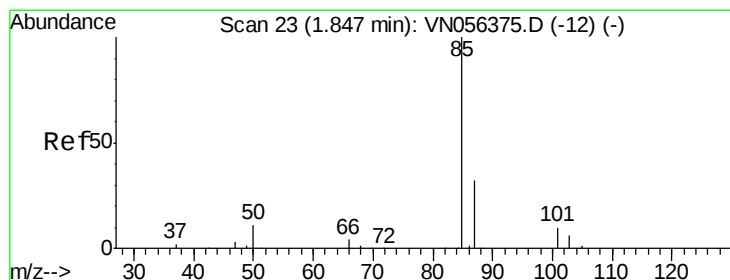
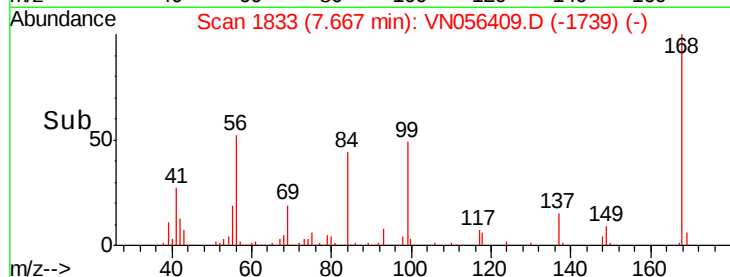
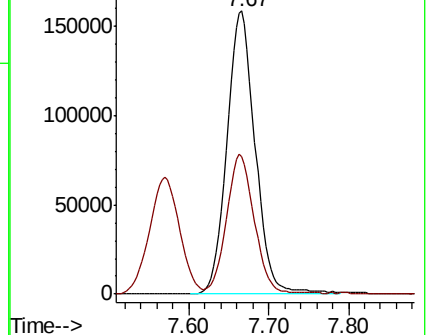
168 100

99 48.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.136 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056409.D

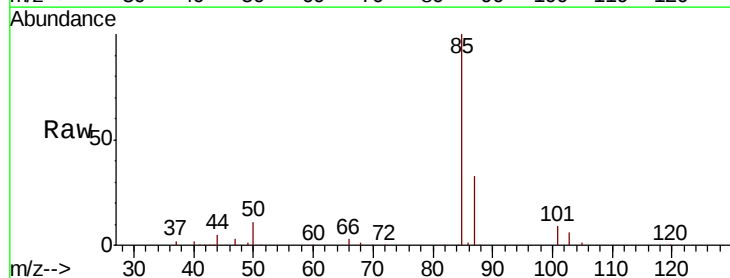
Acq: 20 Jun 2019 17:47

Tgt Ion: 85 Resp: 159692

Ion Ratio Lower Upper

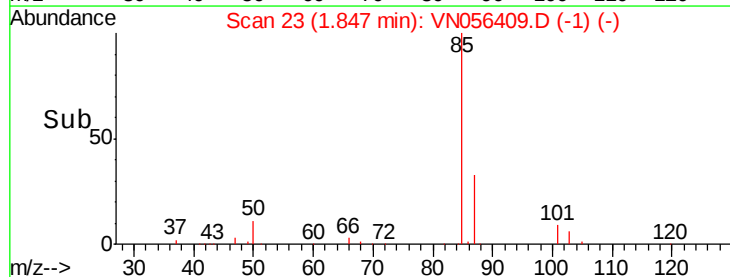
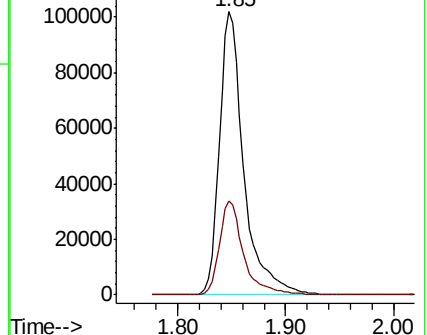
85 100

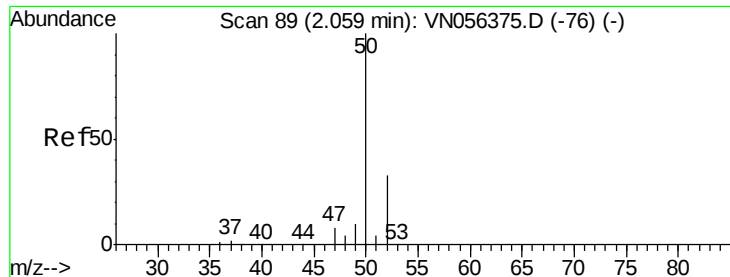
87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.416 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

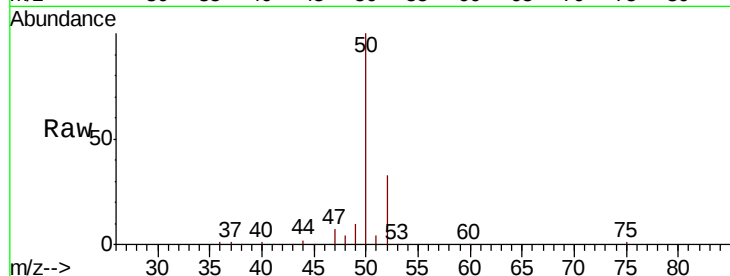
ClientSampled :

Tot Ion: 50 Resp: 205401

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

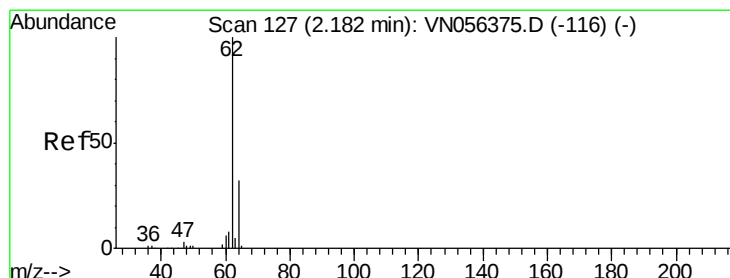
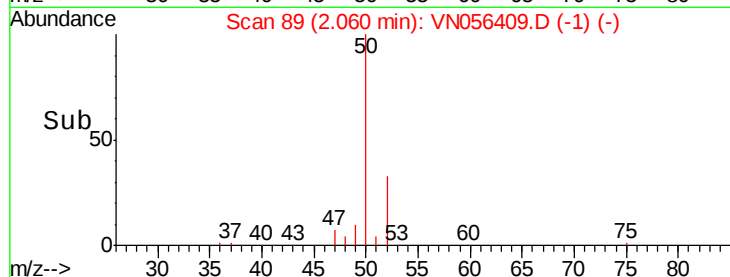
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.761 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056409.D

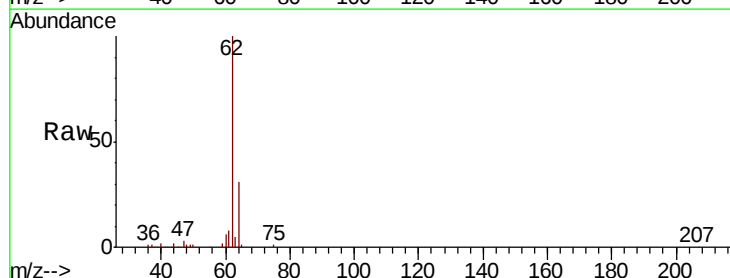
Acq: 20 Jun 2019 17:47

Tgt Ion: 62 Resp: 208406

Ion Ratio Lower Upper

62 100

64 31.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

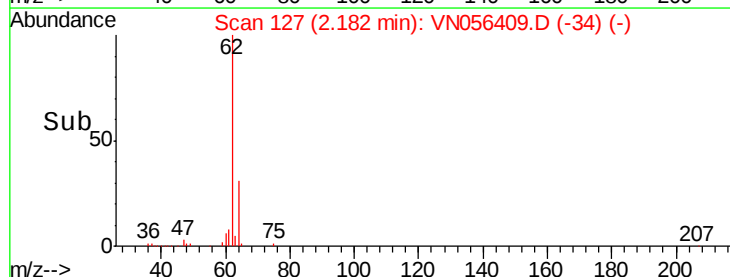
150000

100000

50000

0

Time-->

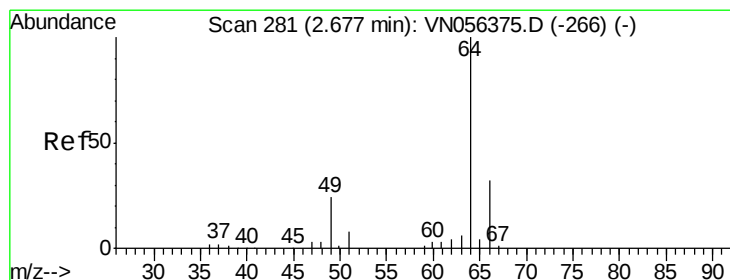
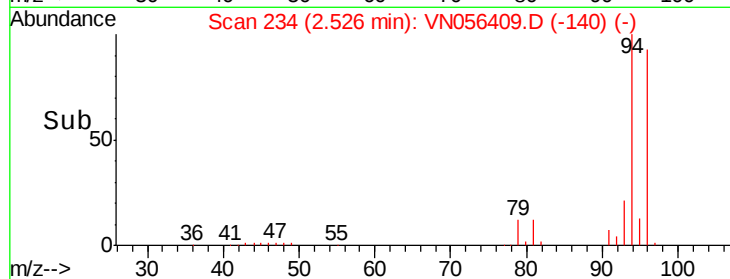
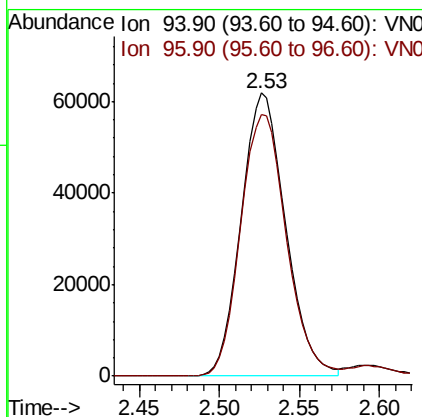
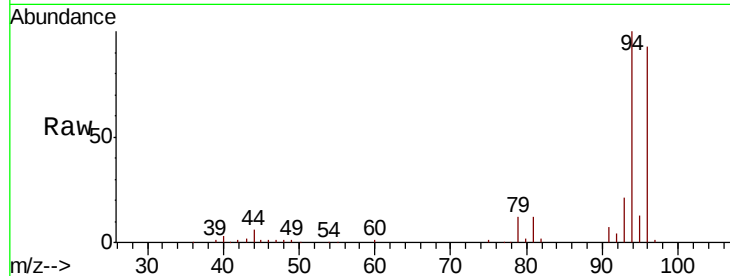




#5
Bromomethane
Concen: 46.855 ug/l
RT: 2.53 min Scan# 234
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

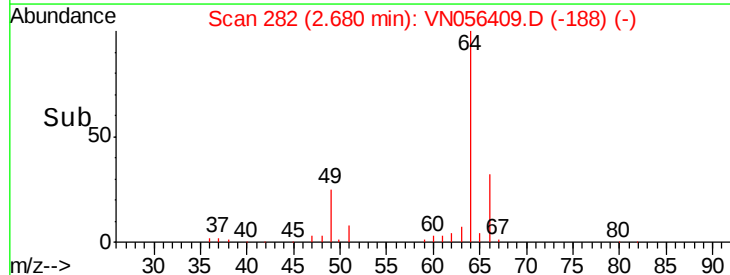
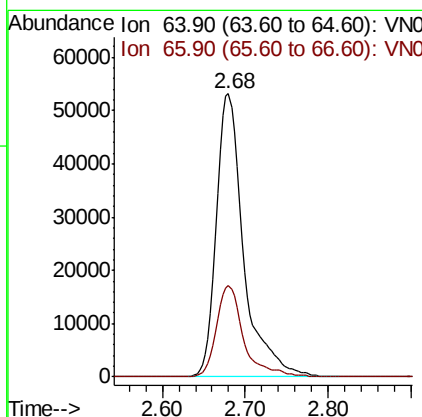
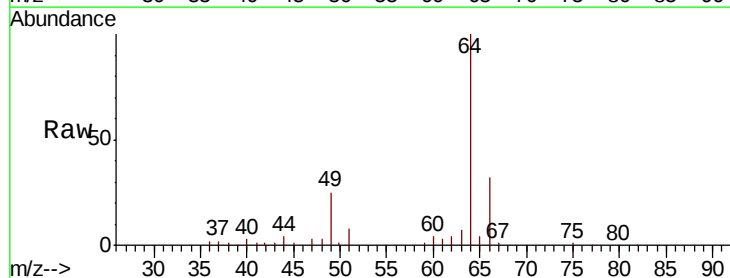
Instrument :
MSVOA_N
ClientSampleId :

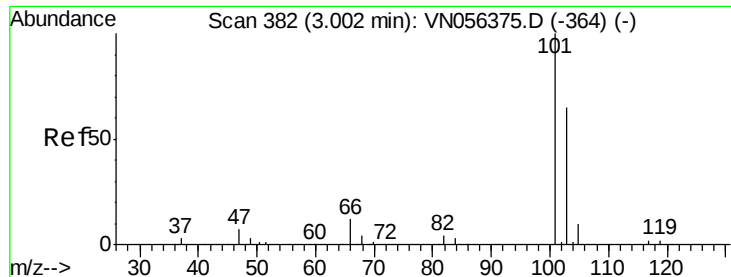
Tot Ion: 94 Resp: 117401
Ion Ratio Lower Upper
94 100
96 92.7 76.0 114.0



#6
Chloroethane
Concen: 49.096 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 64 Resp: 121521
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.8



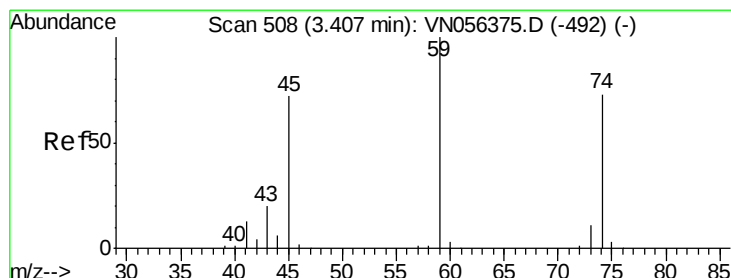
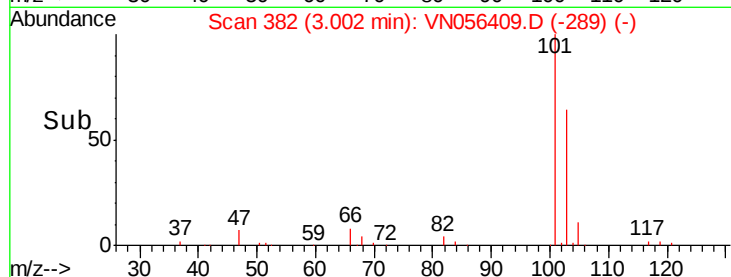
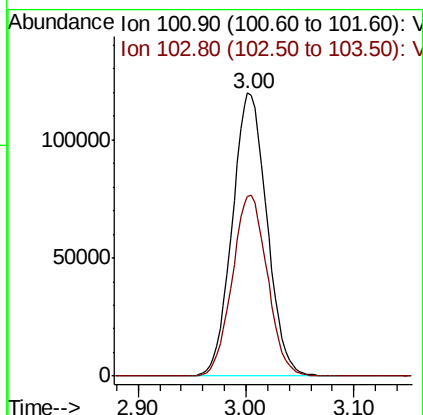
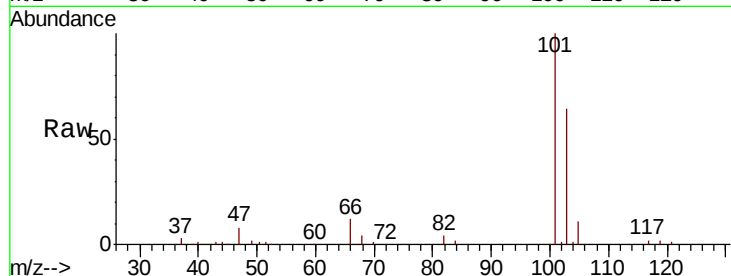


#7

Trichlorofluoromethane
Concen: 48.510 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :

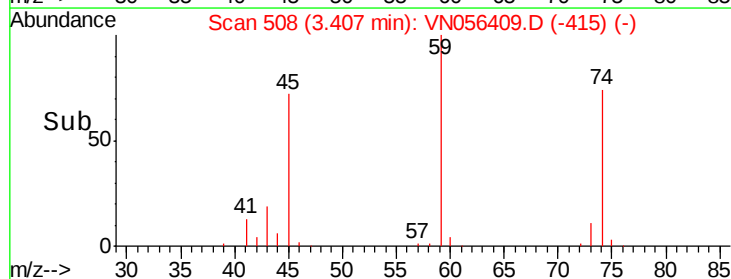
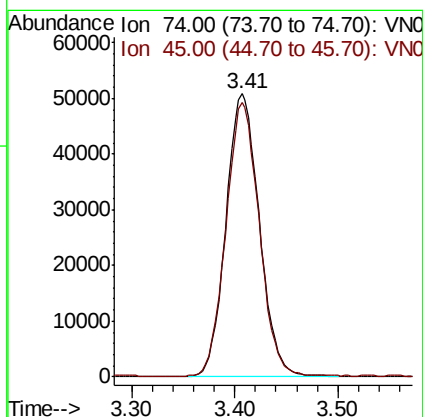
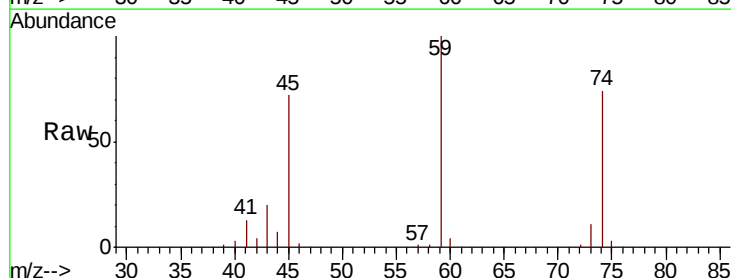
Tot Ion:101 Resp: 268197
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5

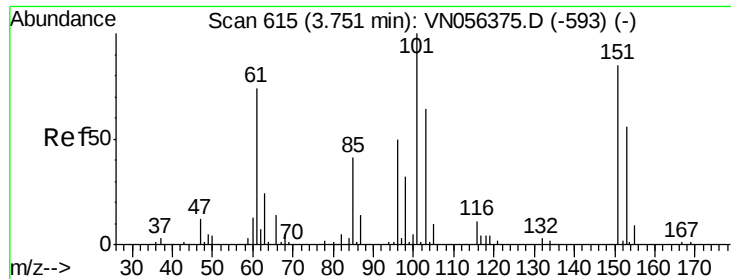


#8

Diethyl Ether
Concen: 49.025 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 74 Resp: 114711
Ion Ratio Lower Upper
74 100
45 97.1 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.178 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :

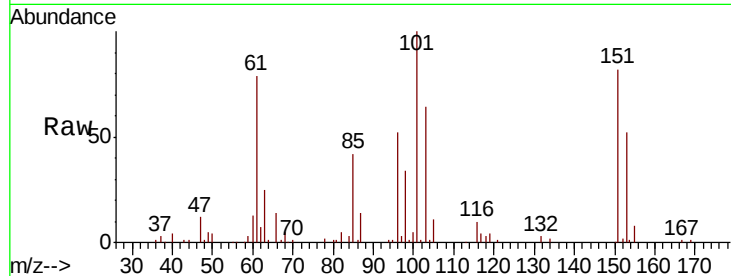
Tot Ion:101 Resp: 169865

Ion Ratio Lower Upper

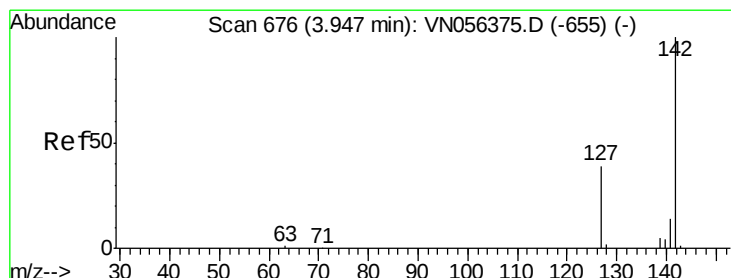
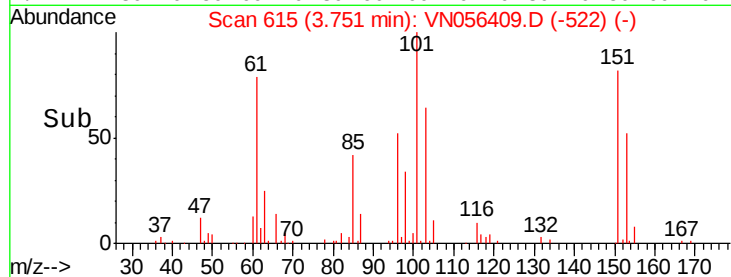
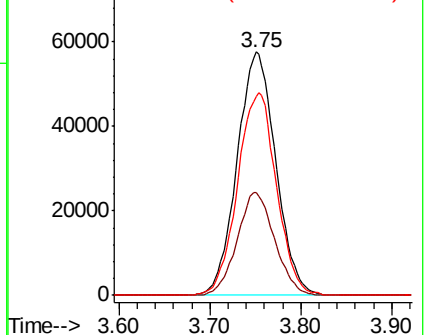
101 100

85 41.0 32.7 49.1

151 83.9 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.219 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

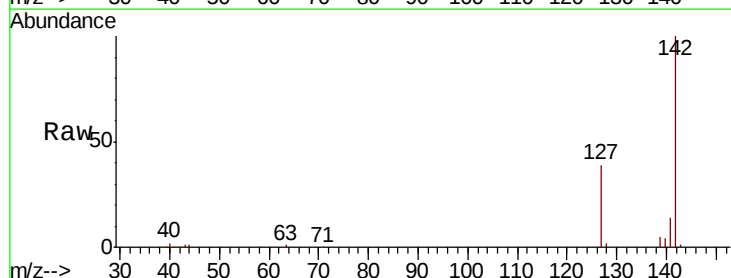
Tgt Ion:142 Resp: 244071

Ion Ratio Lower Upper

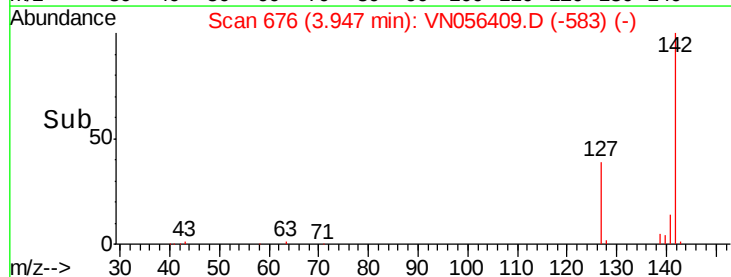
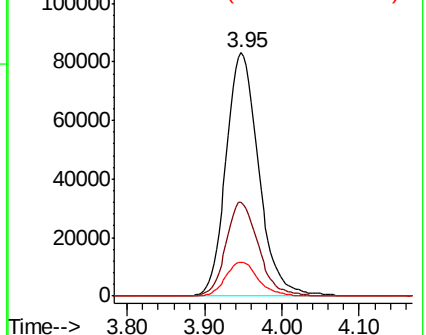
142 100

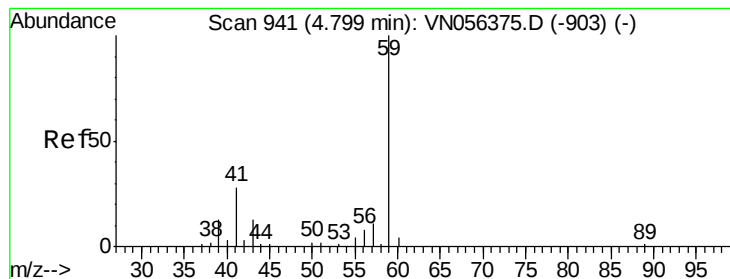
127 38.3 30.6 46.0

141 14.0 11.4 17.2



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



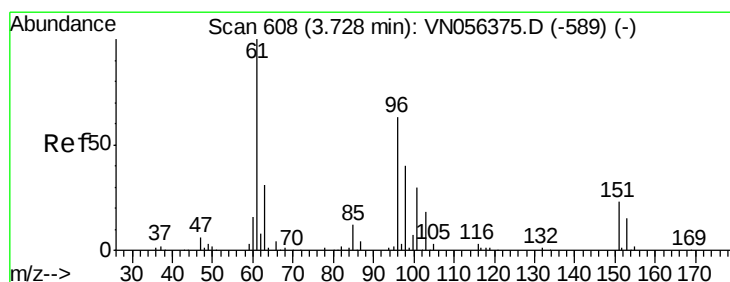
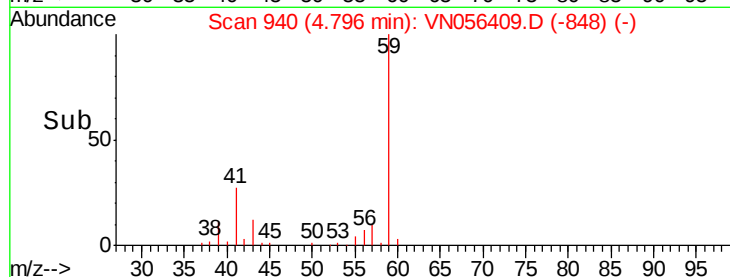
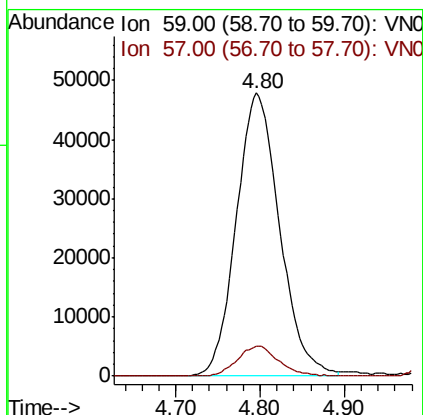
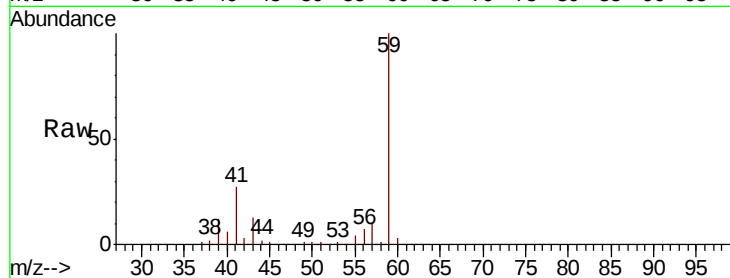


#11

Tert butyl alcohol
 Concen: 238.468 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Instrument :
 MSVOA_N
 ClientSampled :

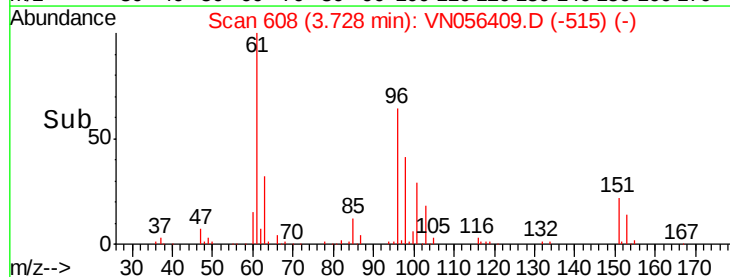
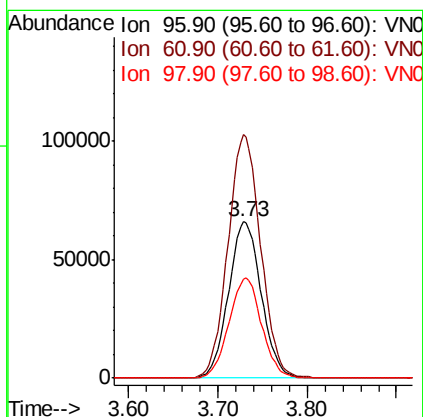
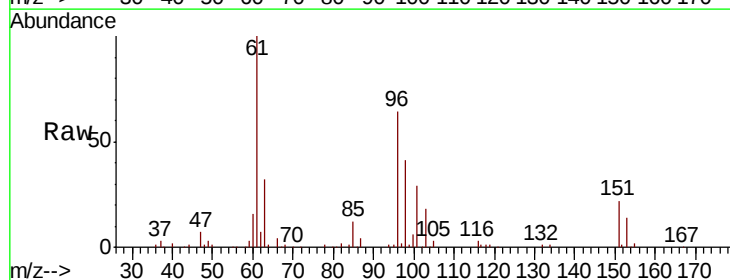
Tot Ion: 59 Resp: 170854
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.6 11.4

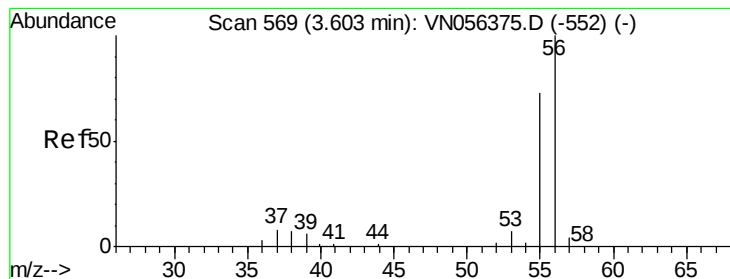


#12

1,1-Dichloroethene
 Concen: 49.356 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion: 96 Resp: 167346
 Ion Ratio Lower Upper
 96 100
 61 155.7 126.6 190.0
 98 63.4 51.1 76.7





#13

Acrolein

Concen: 192.320 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

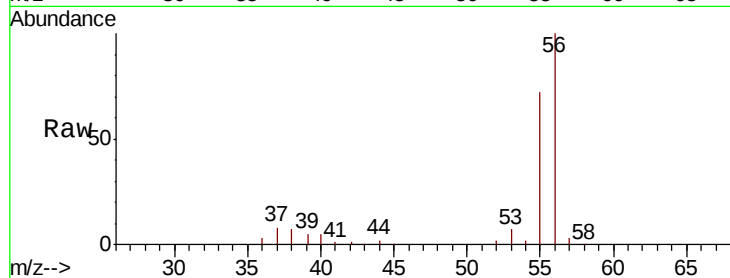
ClientSampled :

Tot Ion: 56 Resp: 116132

Ion Ratio Lower Upper

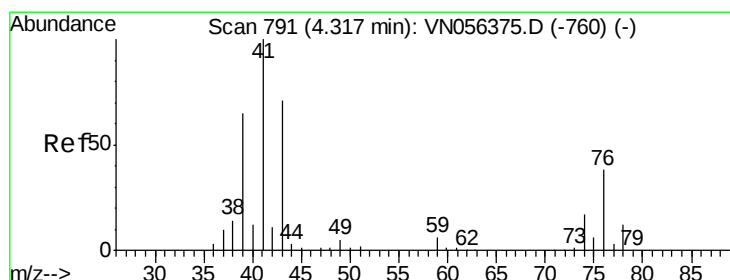
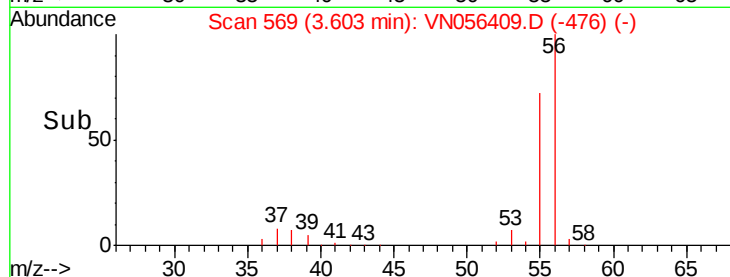
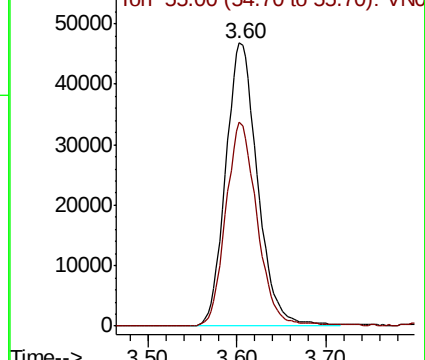
56 100

55 69.9 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.309 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

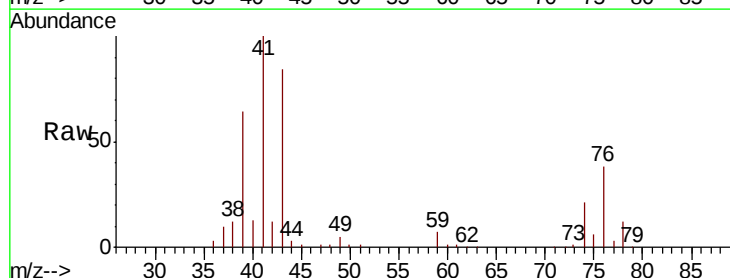
Tgt Ion: 41 Resp: 283949

Ion Ratio Lower Upper

41 100

39 60.5 48.6 73.0

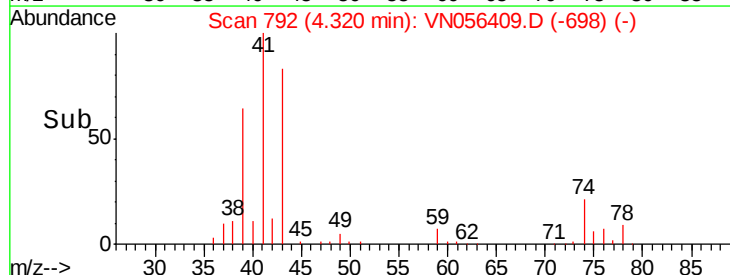
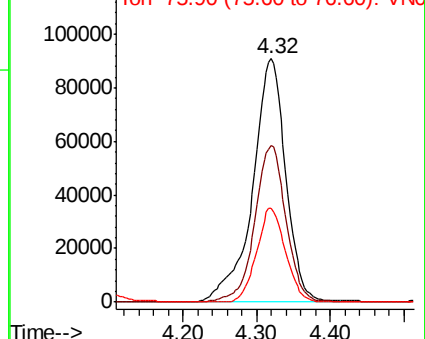
76 33.6 26.6 40.0

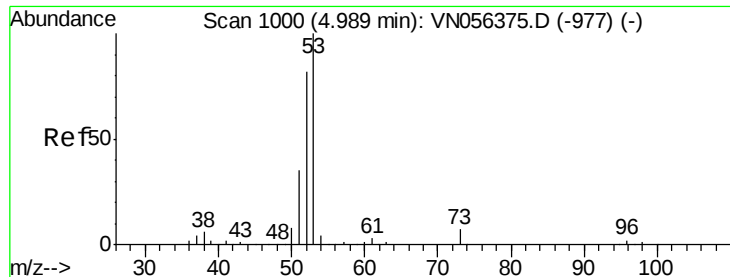


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 256.212 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

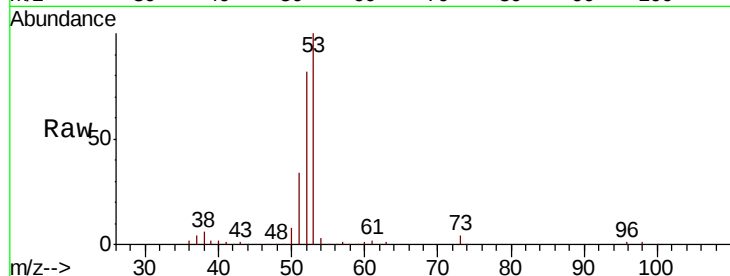
Tot Ion: 53 Resp: 507838

Ion Ratio Lower Upper

53 100

52 82.3 65.9 98.9

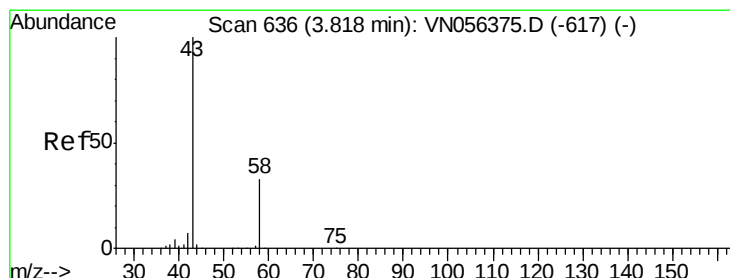
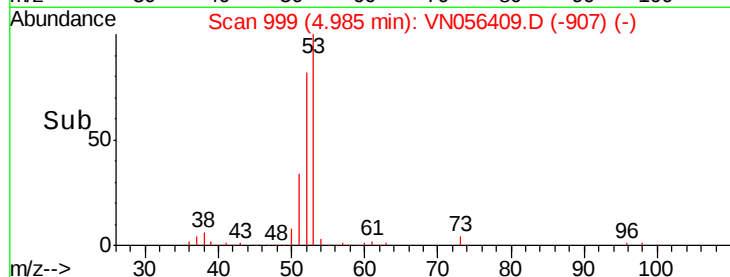
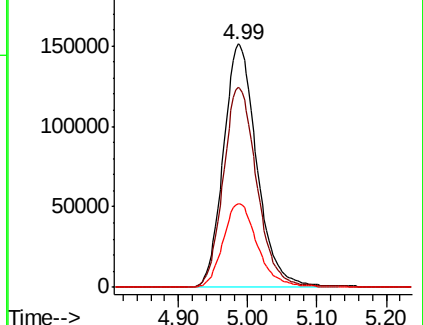
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN056375.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN056375.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN056375.D (-977) (-)



#16

Acetone

Concen: 209.597 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056409.D

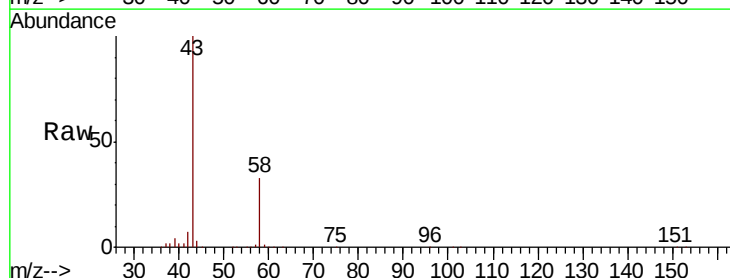
Acq: 20 Jun 2019 17:47

Tgt Ion: 43 Resp: 446706

Ion Ratio Lower Upper

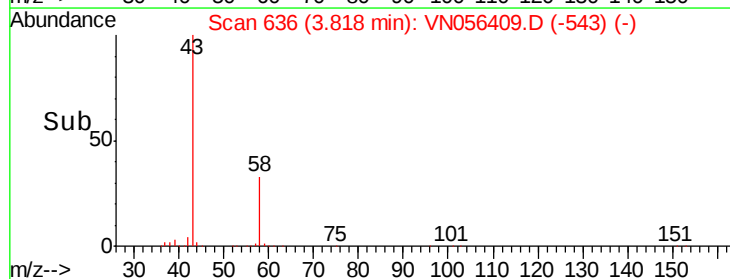
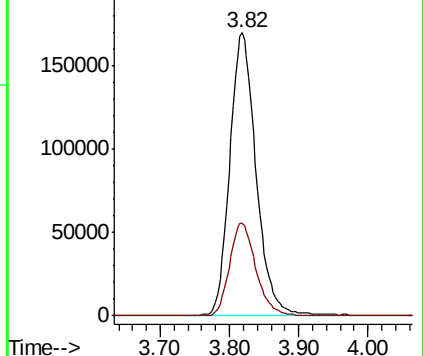
43 100

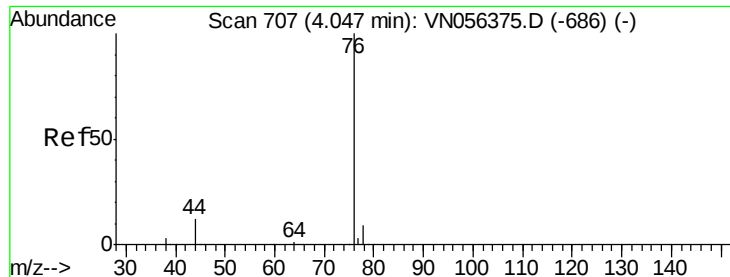
58 32.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-617) (-)

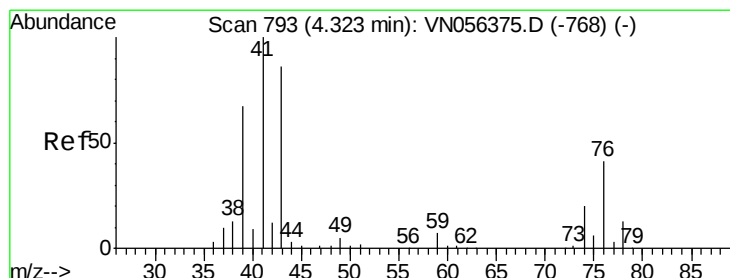
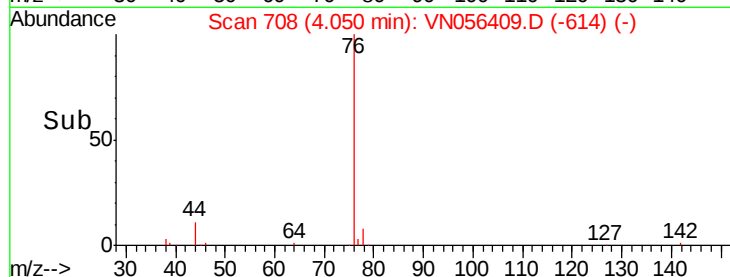
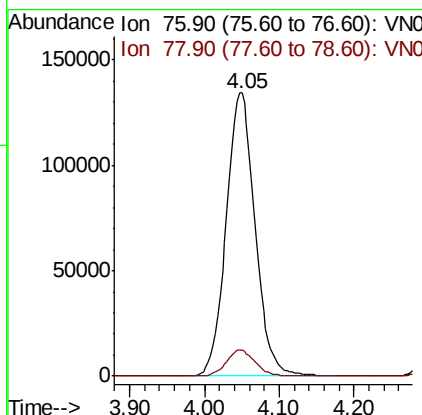
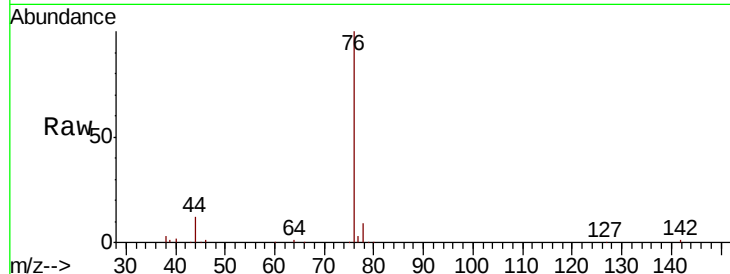




#17
Carbon Disulfide
Concen: 46.648 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

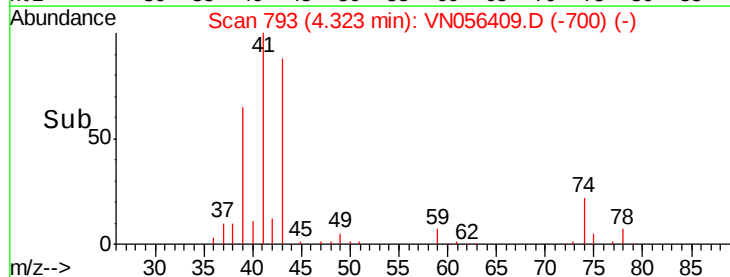
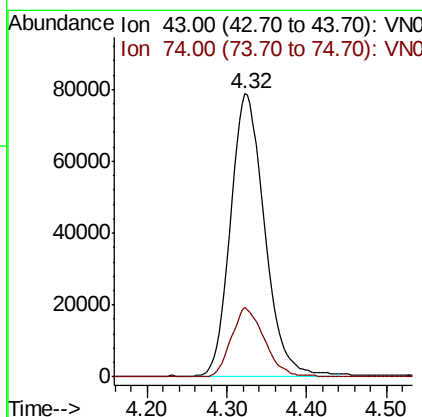
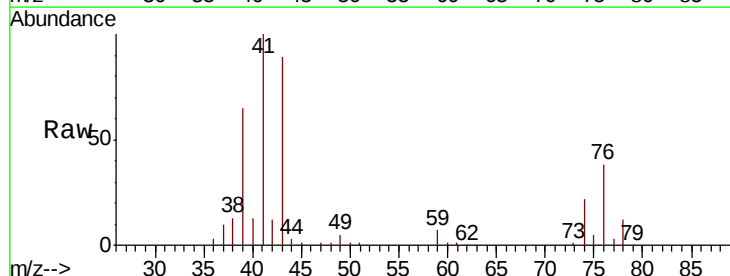
Instrument :
MSVOA_N
ClientSampled :

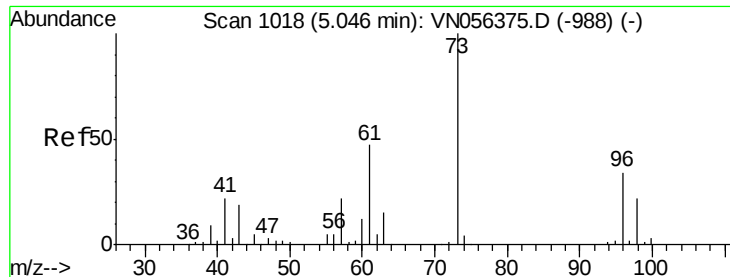
Tot Ion: 76 Resp: 359741
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 54.449 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 43 Resp: 226962
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8

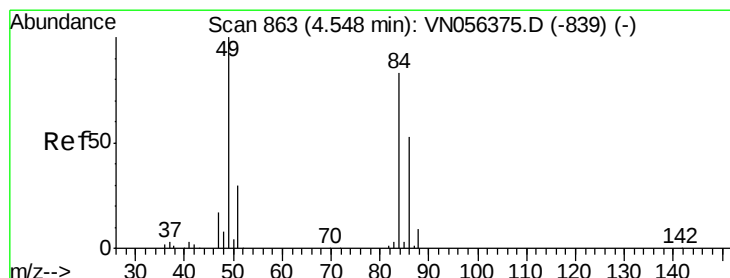
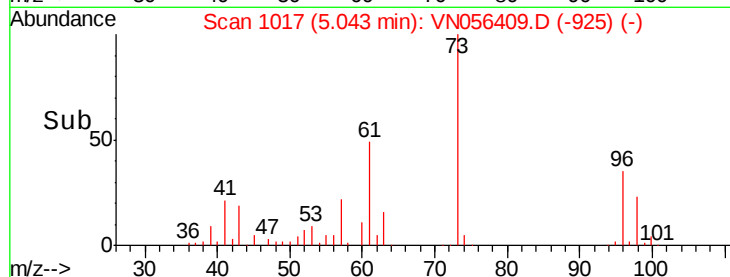
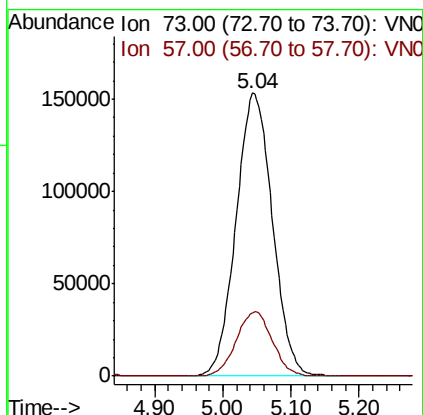
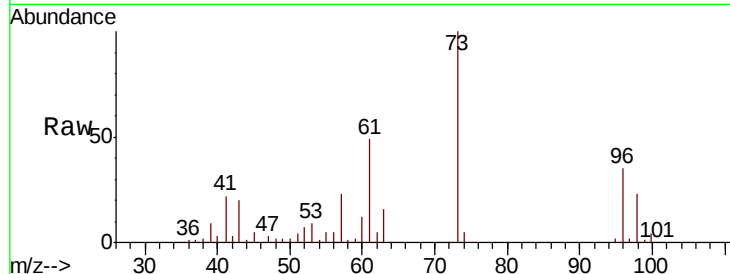




#19
Methyl tert-butyl Ether
Concen: 50.613 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

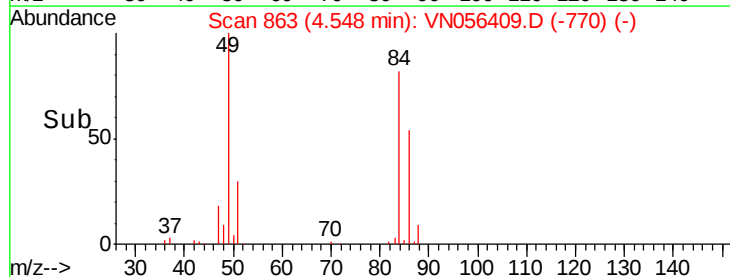
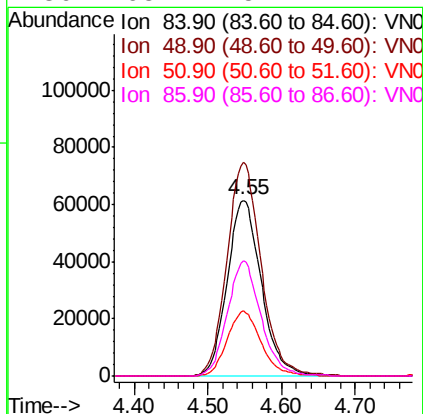
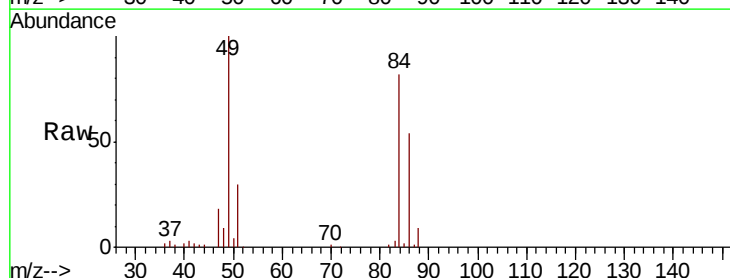
Instrument :
MSVOA_N
ClientSampled :

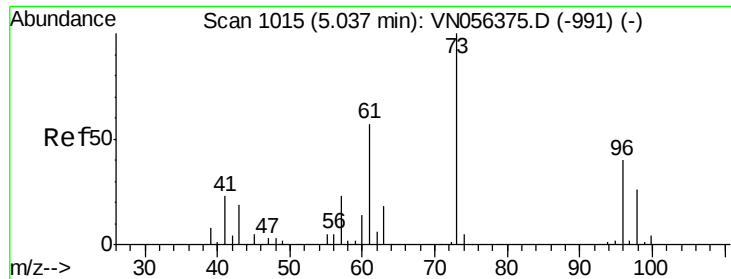
Tot Ion: 73 Resp: 567841
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 49.366 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 84 Resp: 198386
Ion Ratio Lower Upper
84 100
49 121.5 96.4 144.6
51 36.8 28.6 43.0
86 65.4 51.4 77.2



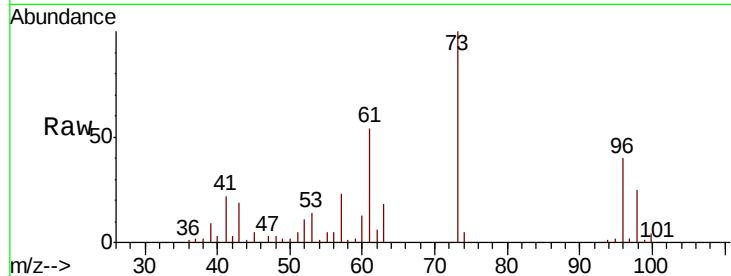


#21

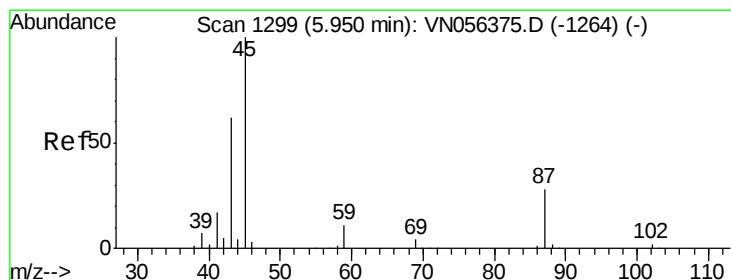
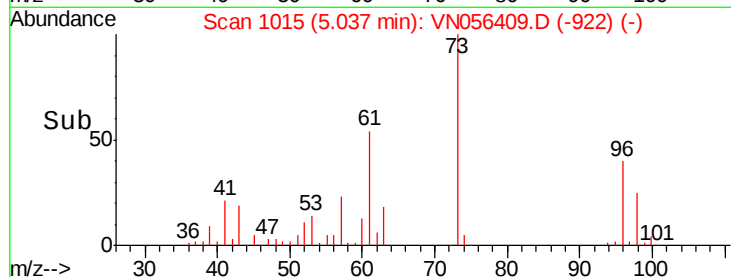
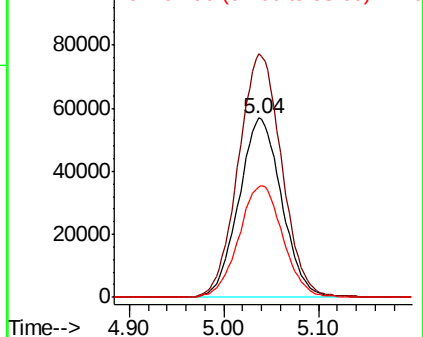
trans-1,2-Dichloroethene
Concen: 48.817 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 178454
Ion Ratio Lower Upper
96 100
61 135.7 113.0 169.6
98 61.8 52.2 78.2



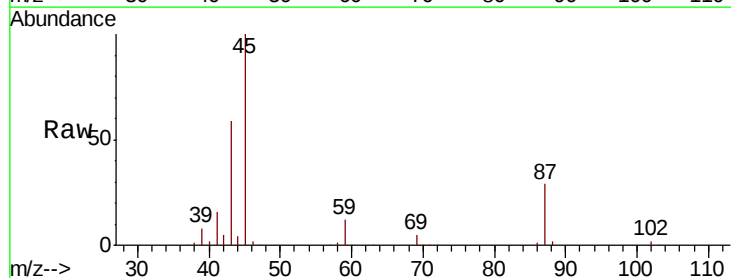
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



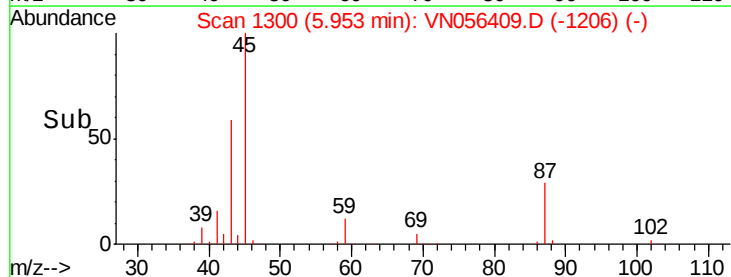
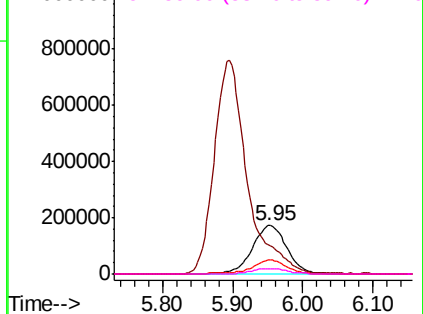
#22

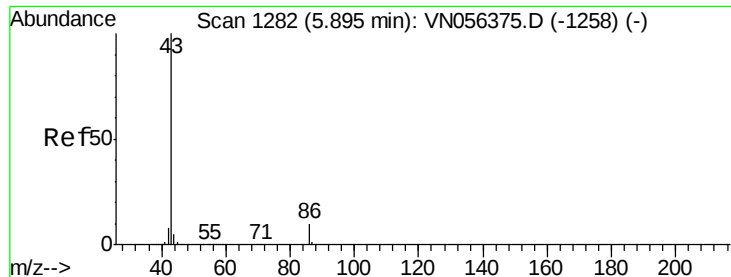
Diisopropyl ether
Concen: 50.077 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 45 Resp: 593578
Ion Ratio Lower Upper
45 100
43 57.6 50.4 75.6
87 28.8 23.0 34.4
59 11.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 265.671 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

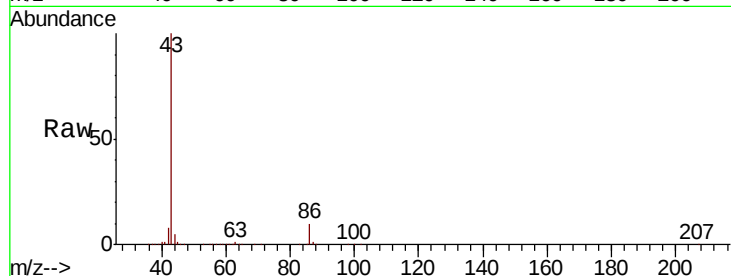
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2483793

Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

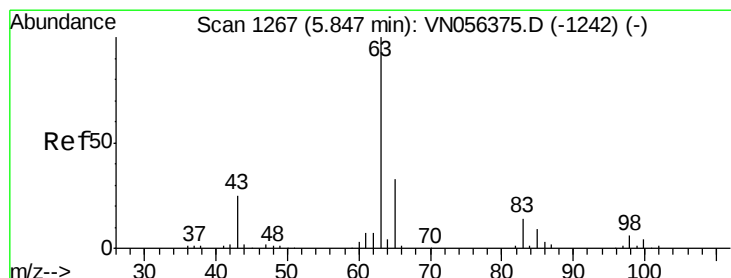
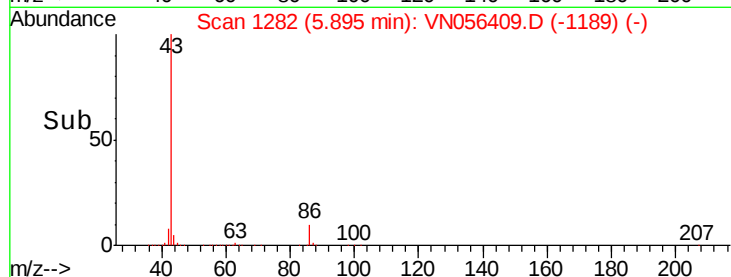
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 49.435 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

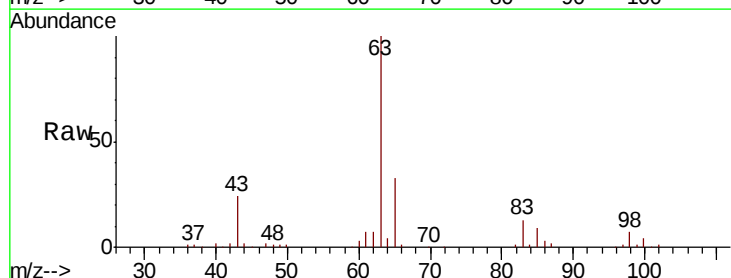
Tgt Ion: 63 Resp: 336364

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

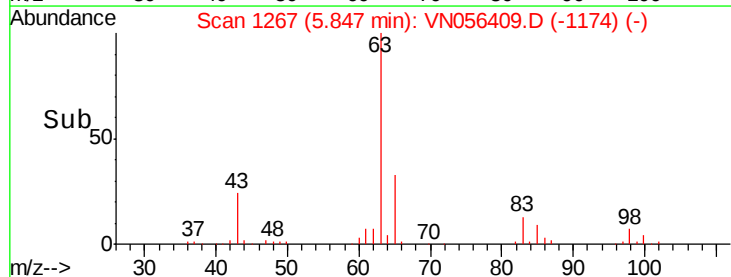
Ion 99.90 (99.60 to 100.60): VN0

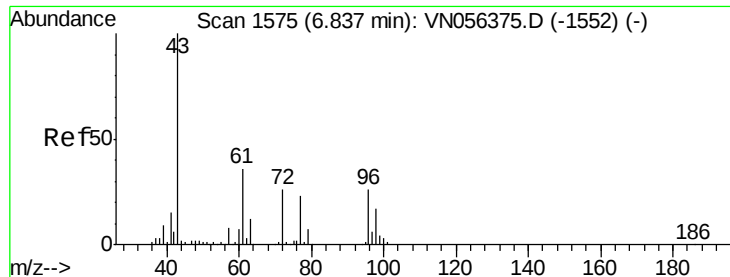
100000

50000

0

Time--> 5.70 5.80 5.90

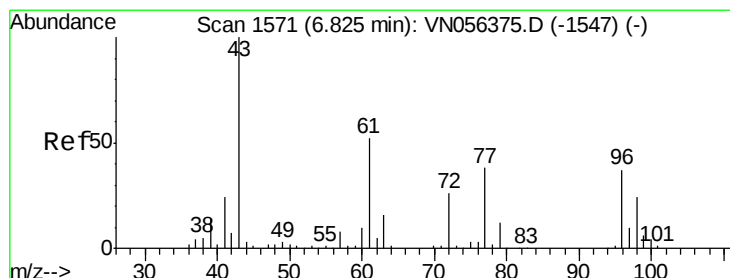
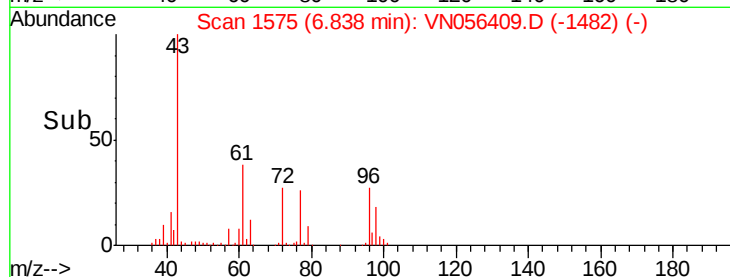
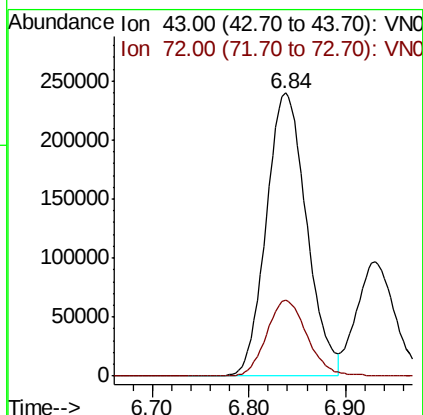
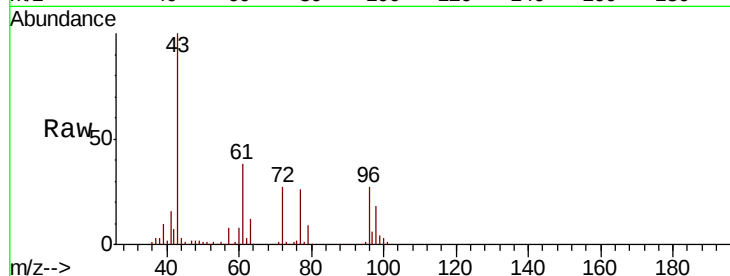




#25
2-Butanone
Concen: 245.719 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

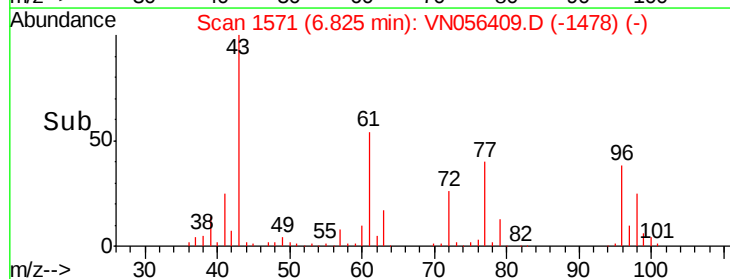
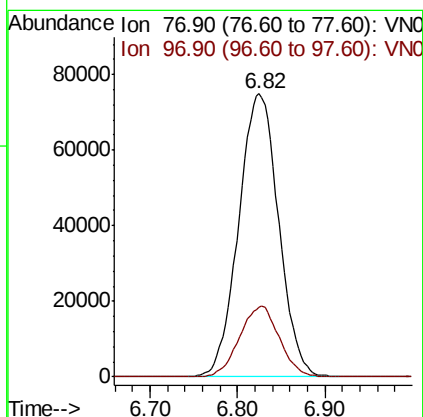
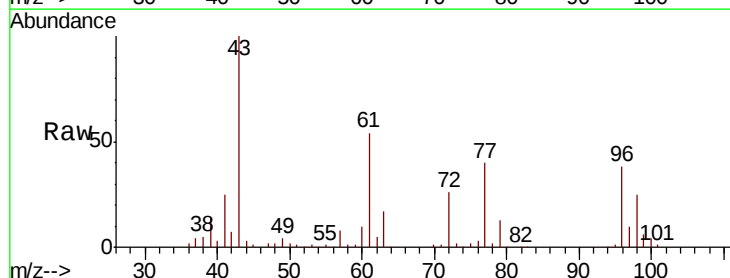
Instrument :
MSVOA_N
ClientSampleId :

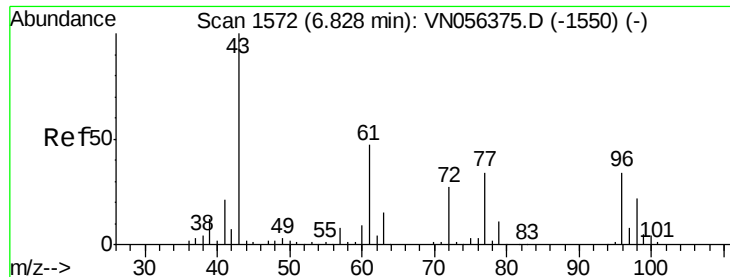
Tot Ion: 43 Resp: 693109
Ion Ratio Lower Upper
43 100
72 26.7 20.6 31.0



#26
2,2-Dichloropropane
Concen: 50.214 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 77 Resp: 237630
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.557 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :

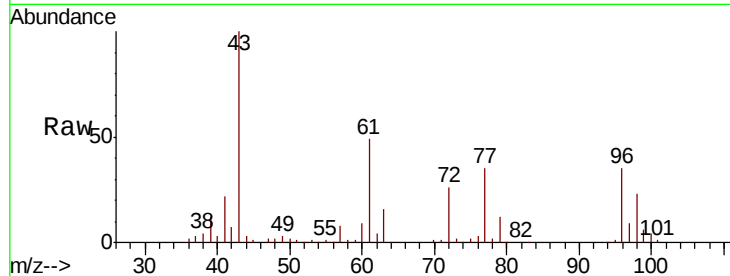
Tot Ion: 96 Resp: 211947

Ion Ratio Lower Upper

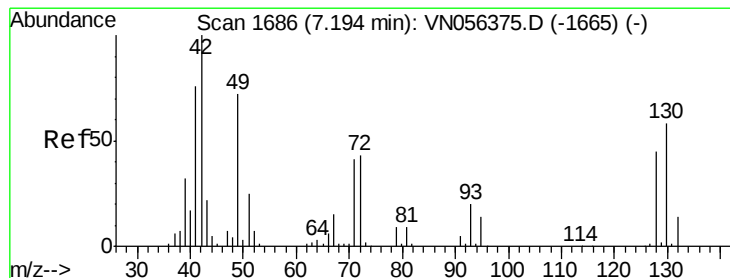
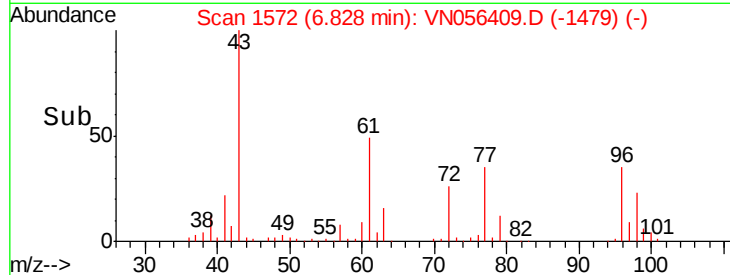
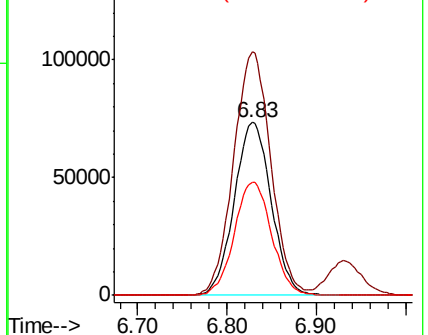
96 100

61 141.9 0.0 279.8

98 66.0 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.061 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

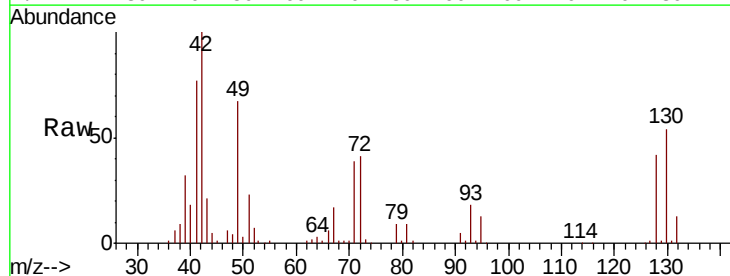
Tgt Ion: 49 Resp: 168483

Ion Ratio Lower Upper

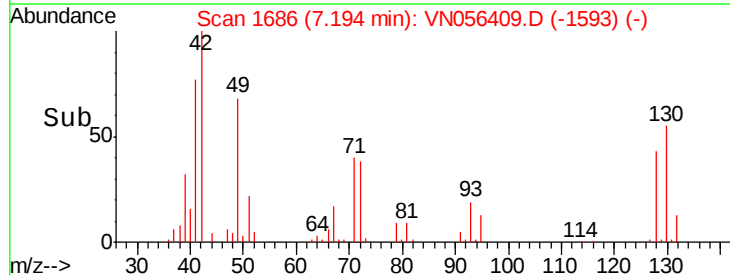
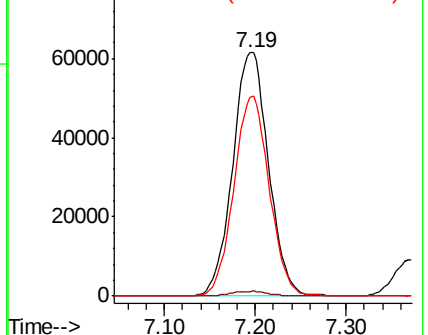
49 100

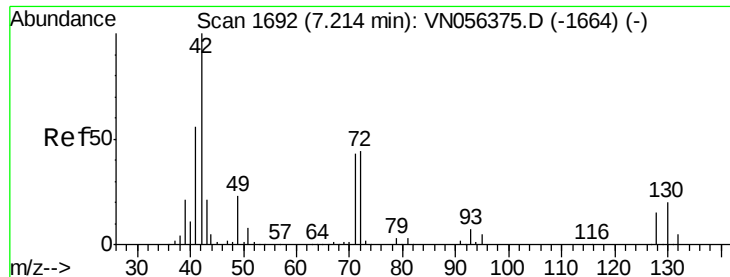
129 2.0 0.0 4.2

130 80.9 64.9 97.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

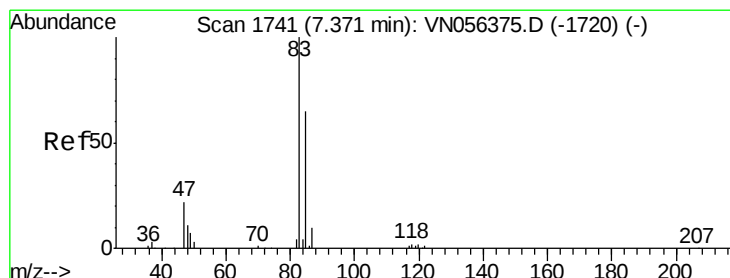
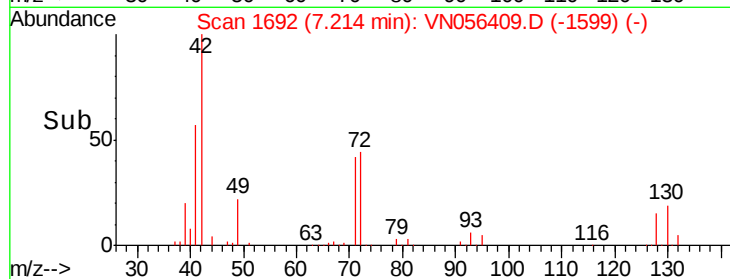
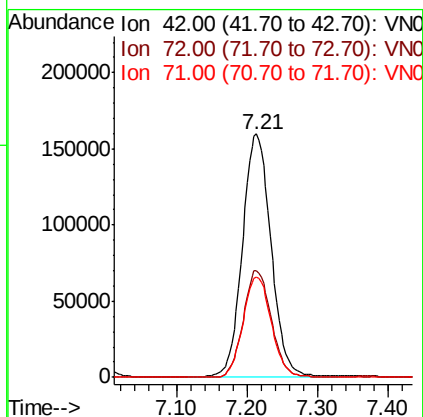
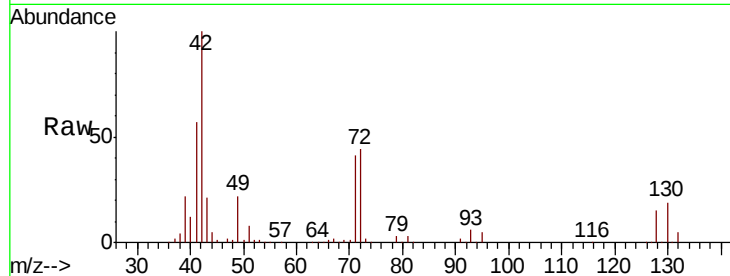




#29
Tetrahydrofuran
Concen: 262.695 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

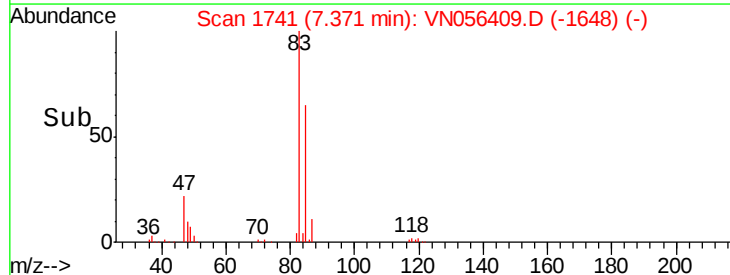
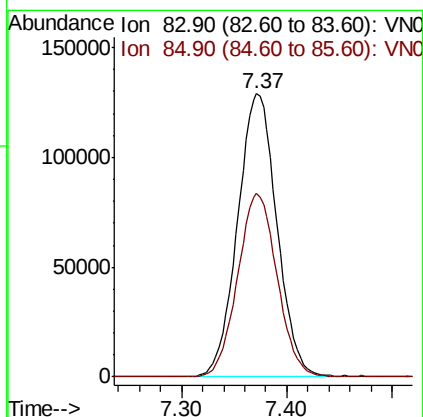
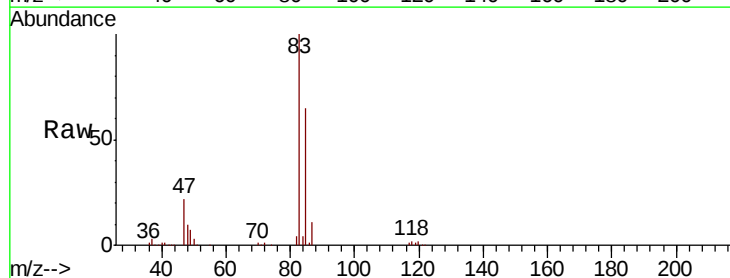
Instrument :
MSVOA_N
ClientSampled :

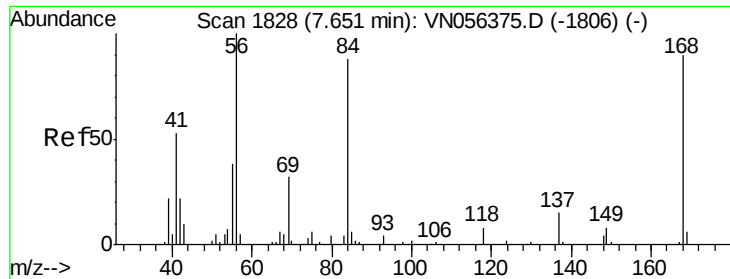
Tot Ion: 42 Resp: 452824
Ion Ratio Lower Upper
42 100
72 43.0 34.7 52.1
71 40.8 33.0 49.6



#30
Chloroform
Concen: 49.706 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 83 Resp: 333731
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5

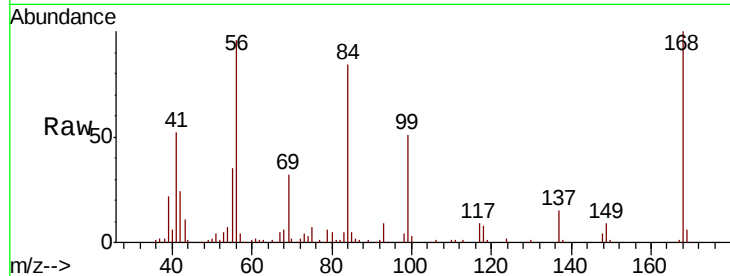




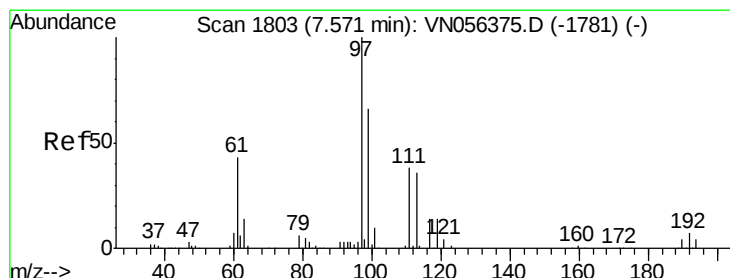
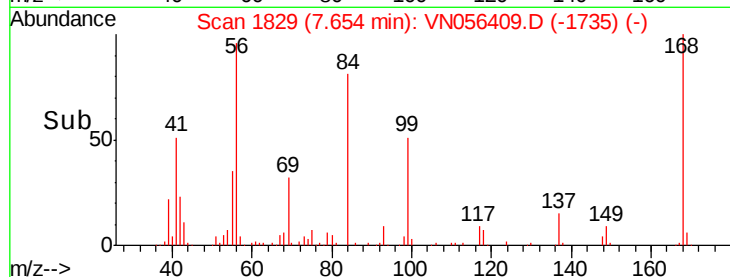
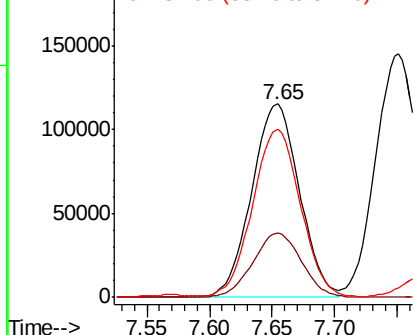
#31
Cyclohexane
Concen: 46.565 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 305879
Ion Ratio Lower Upper
56 100
69 33.3 25.8 38.6
84 85.8 69.4 104.0

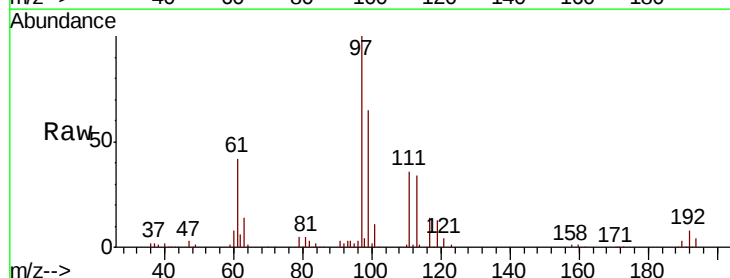


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

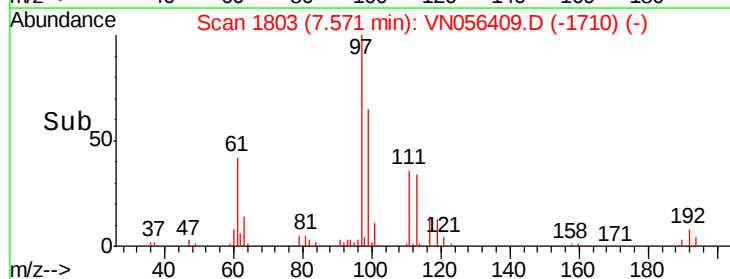
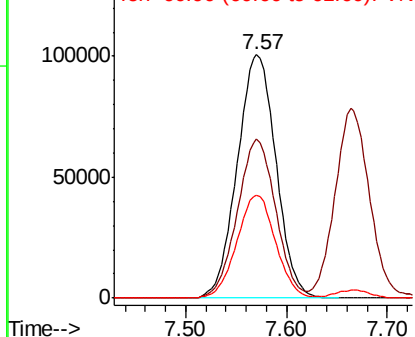


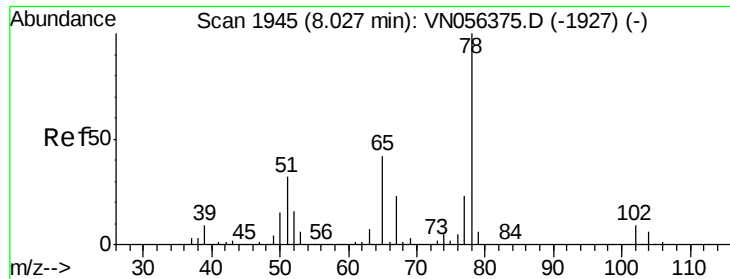
#32
1,1,1-Trichloroethane
Concen: 50.392 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 97 Resp: 268184
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 42.2 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

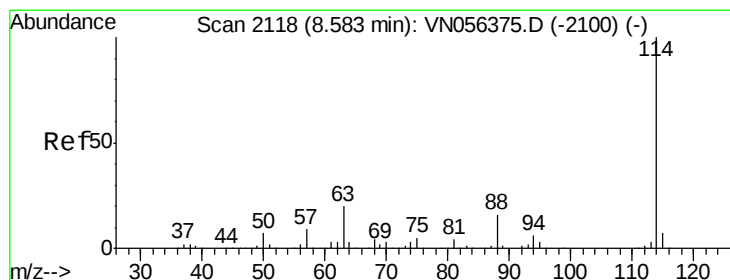
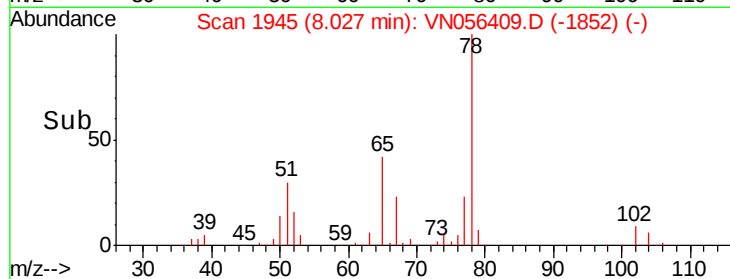
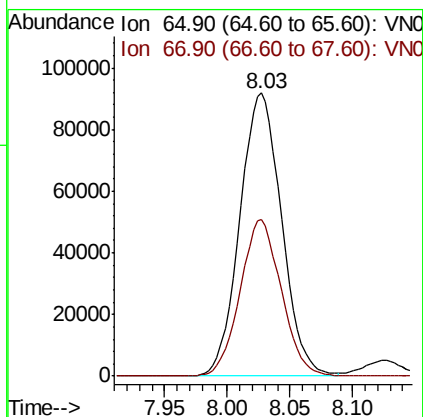
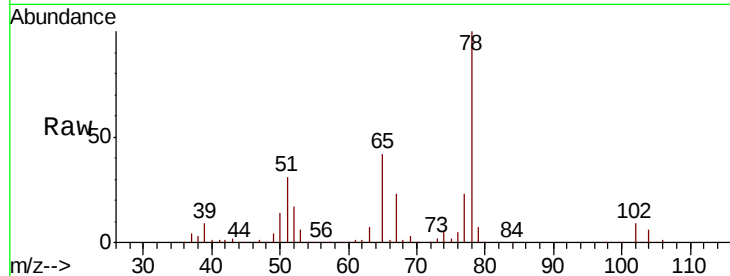




#33
 1,2-Dichloroethane-d4
 Concen: 49.963 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

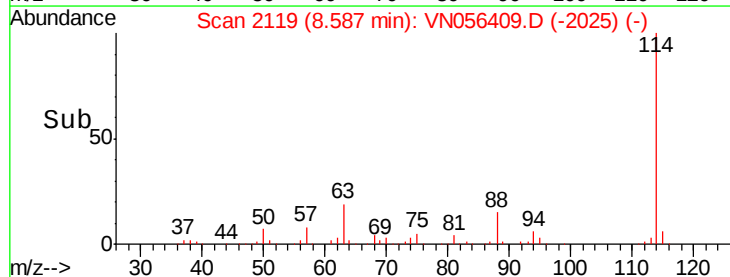
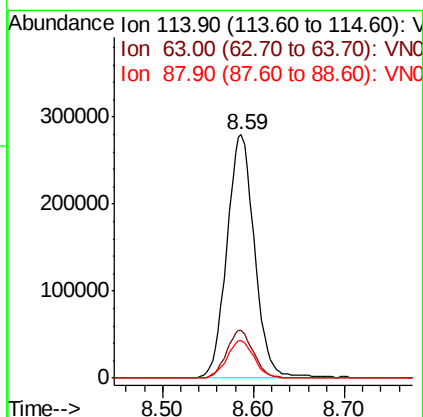
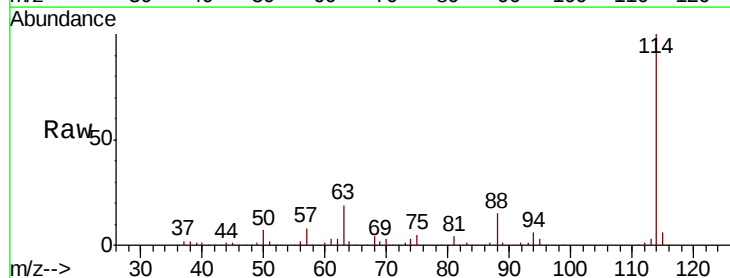
Instrument :
 MSVOA_N
 ClientSampleId :

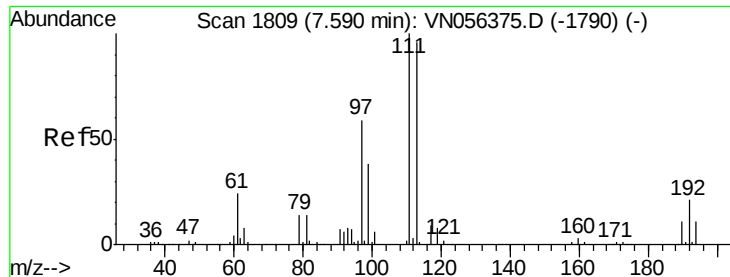
Tot Ion: 65 Resp: 212535
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion: 114 Resp: 590783
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.2
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.216 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :

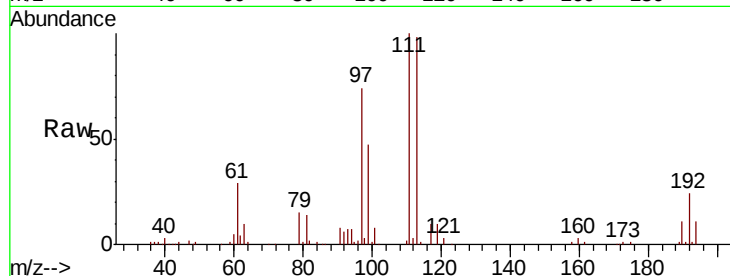
Tot Ion:113 Resp: 185073

Ion Ratio Lower Upper

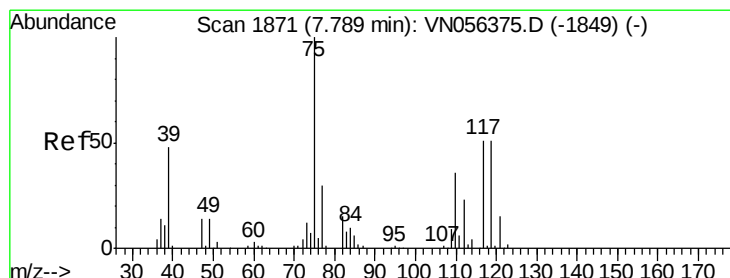
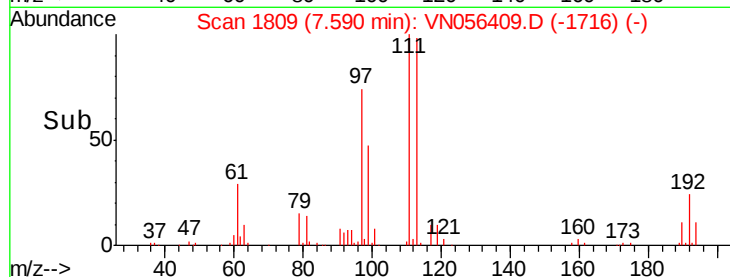
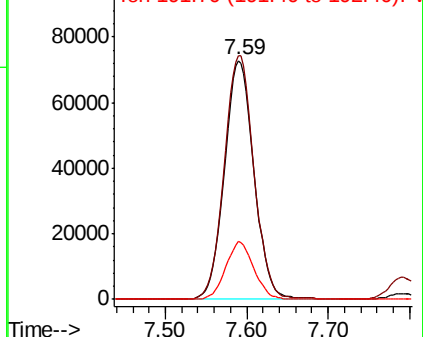
113 100

111 102.3 82.9 124.3

192 23.0 17.7 26.5



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



#36

1,1-Dichloropropene

Concen: 47.620 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

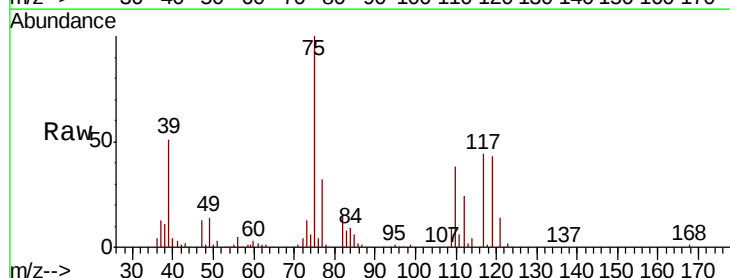
Tgt Ion: 75 Resp: 247621

Ion Ratio Lower Upper

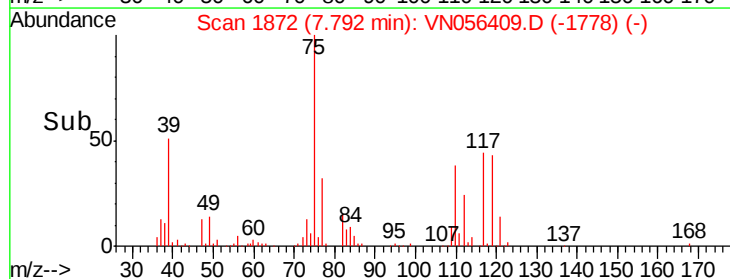
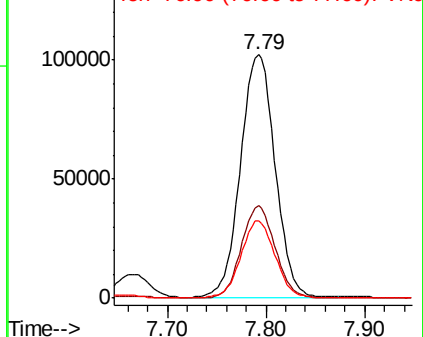
75 100

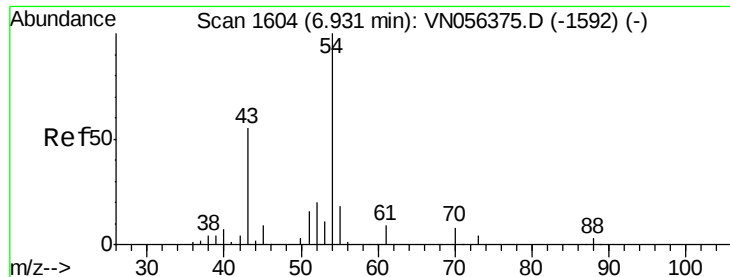
110 37.1 18.1 54.3

77 31.6 24.6 36.8



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

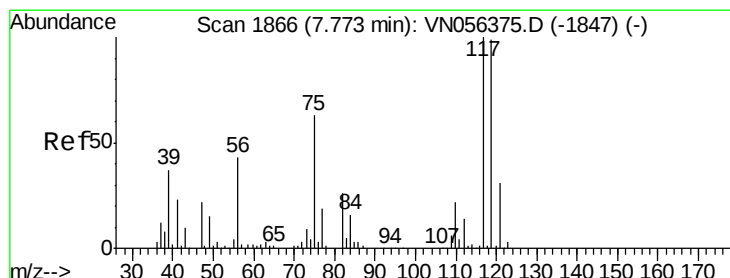
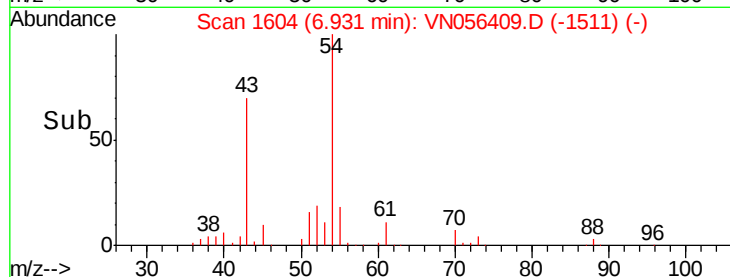
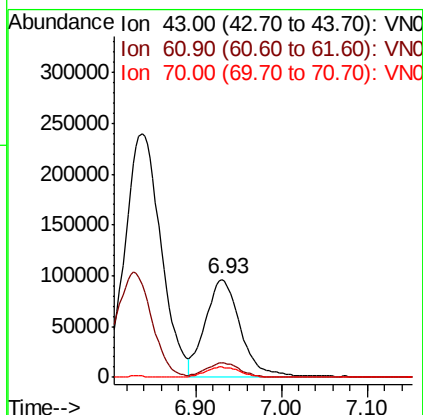
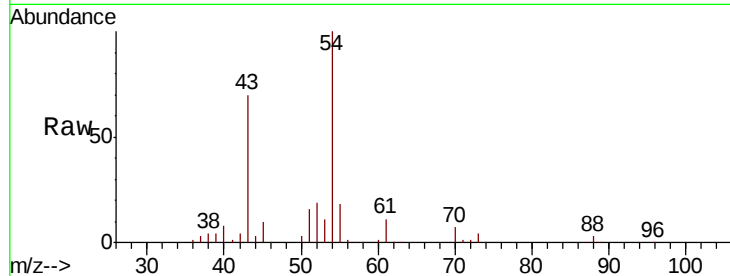




#37
Ethyl Acetate
Concen: 53.153 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

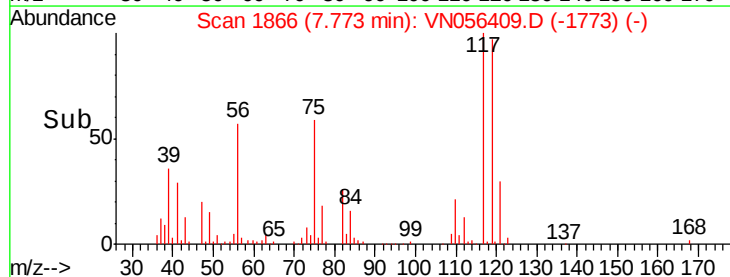
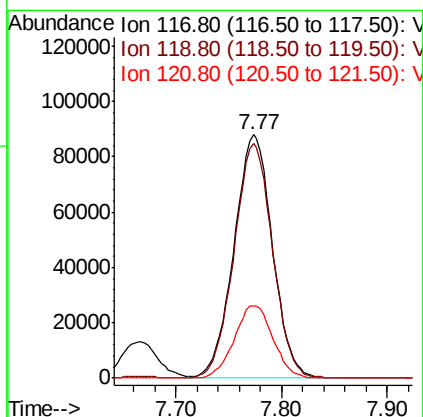
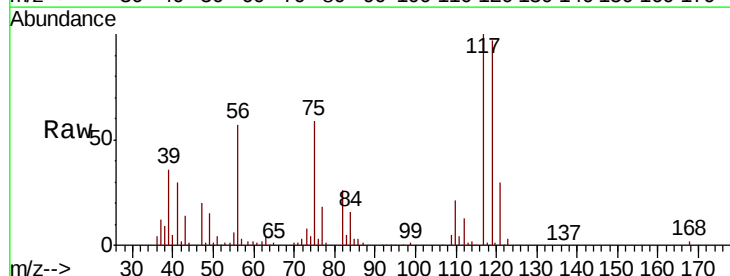
Instrument :
MSVOA_N
ClientSampleId :

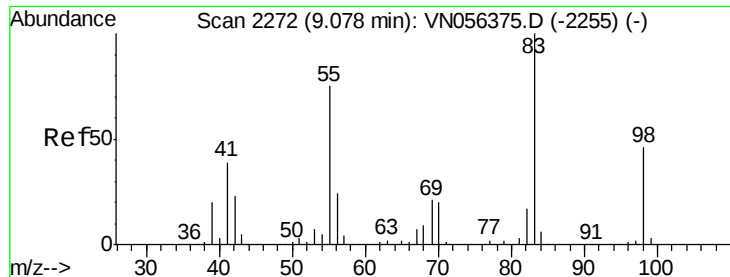
Tot Ion: 43 Resp: 271622
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 10.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 49.008 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 117 Resp: 222851
Ion Ratio Lower Upper
117 100
119 96.4 79.1 118.7
121 29.9 24.8 37.2

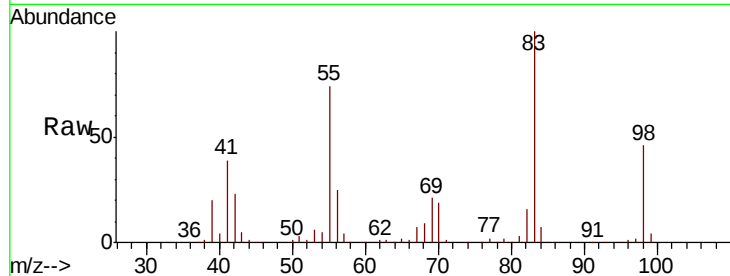




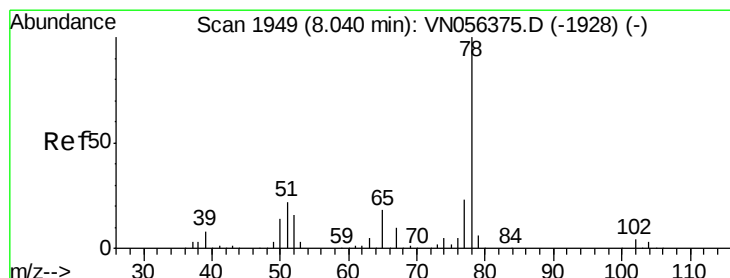
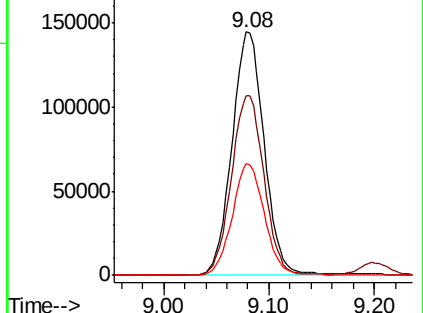
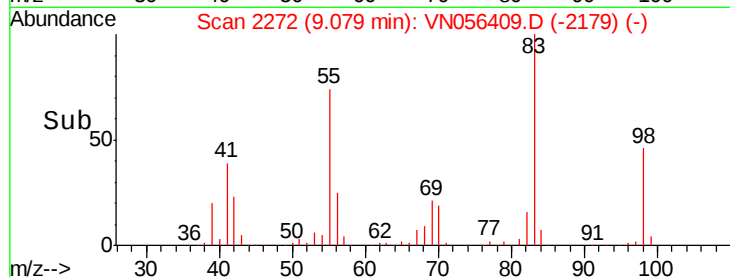
#39
Methvlcvclohexane
Concen: 47.781 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 306579
Ion Ratio Lower Upper
83 100
55 73.7 60.0 90.0
98 45.8 36.6 54.8

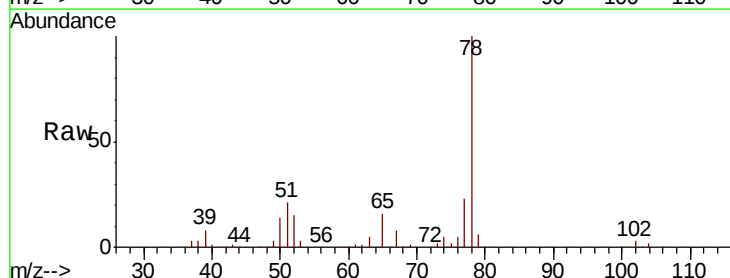


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

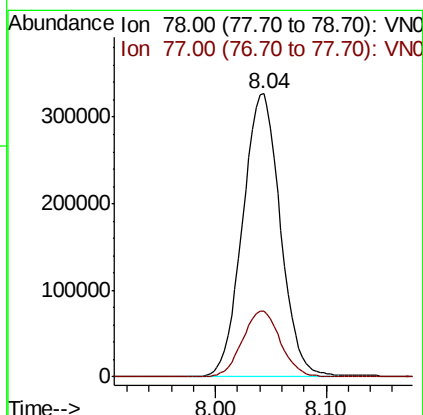
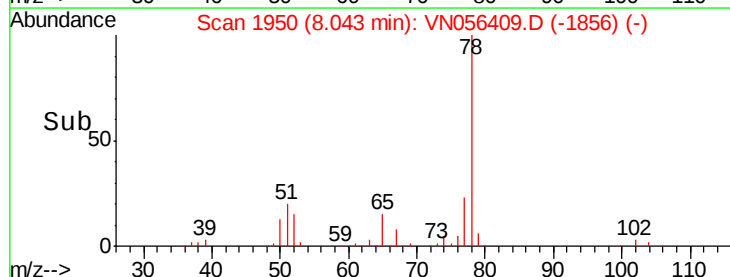


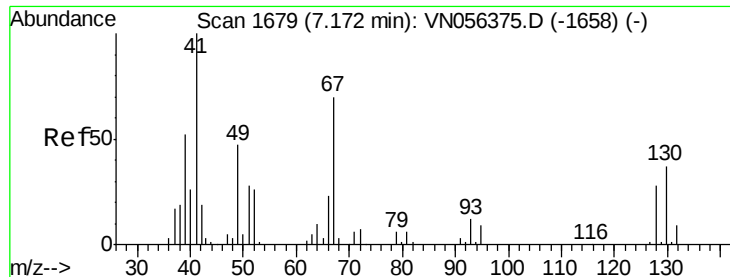
#40
Benzene
Concen: 48.425 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 78 Resp: 774566
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5



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

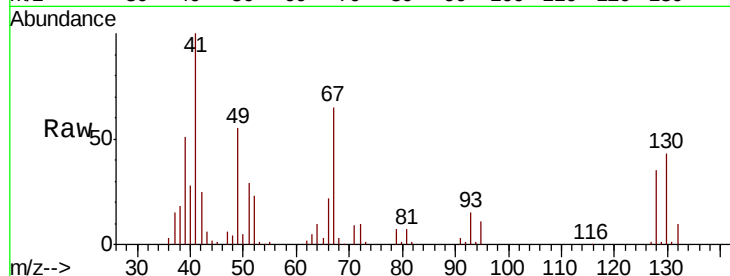




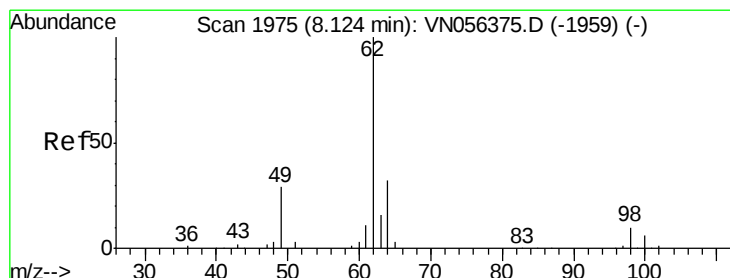
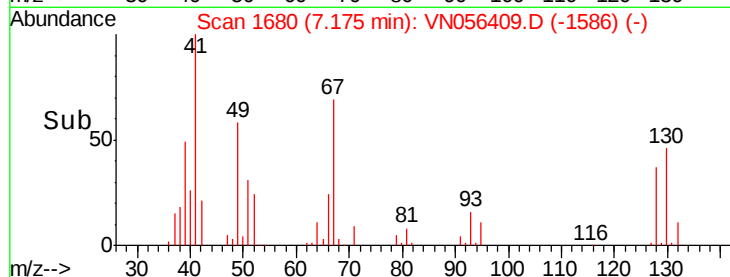
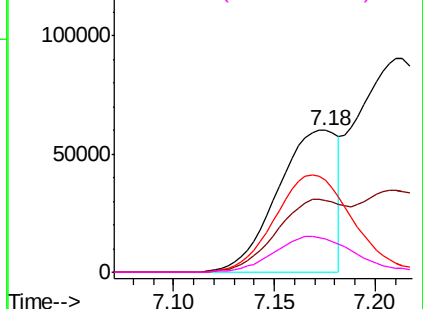
#41
Methacrylonitrile
Concen: 55.024 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 124165
Ion Ratio Lower Upper
41 100
39 59.9 55.3 82.9
67 89.8 79.2 118.8
52 34.0 31.4 47.0

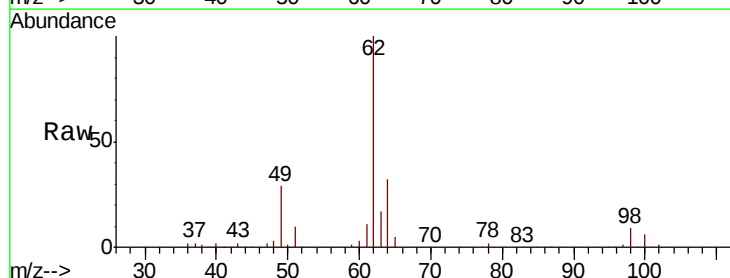


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

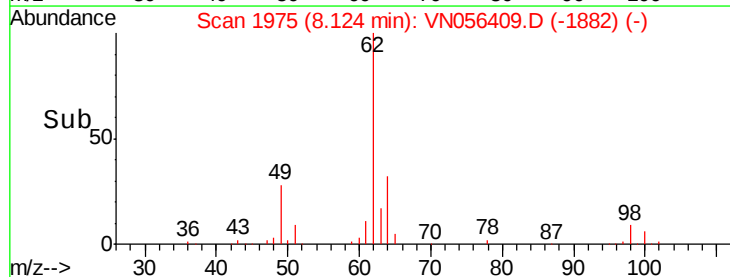
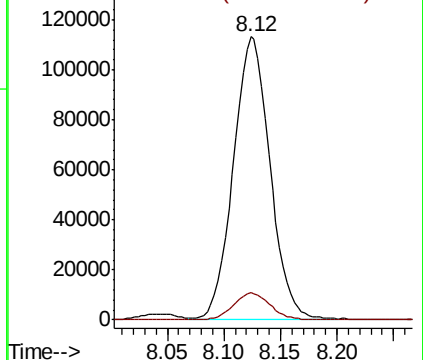


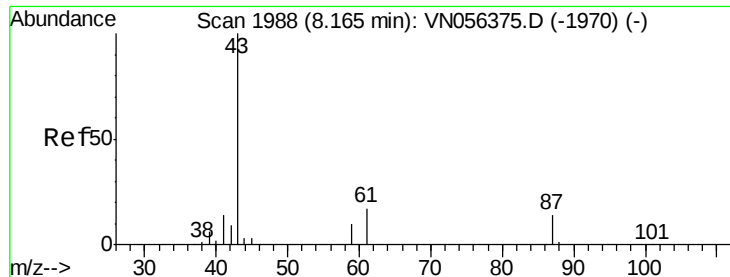
#42
1,2-Dichloroethane
Concen: 48.111 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 62 Resp: 253965
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 53.315 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

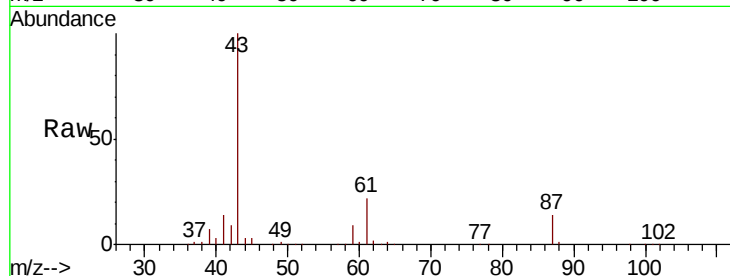
Tot Ion: 43 Resp: 420110

Ion Ratio Lower Upper

43 100

61 27.5 22.0 33.0

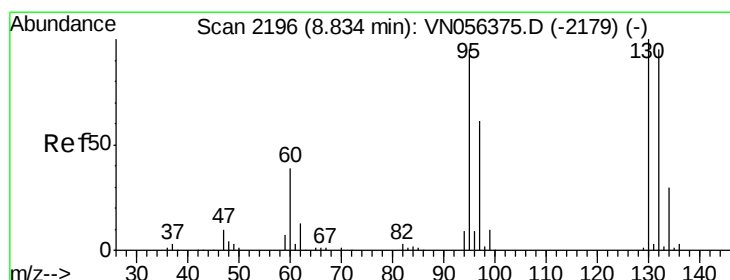
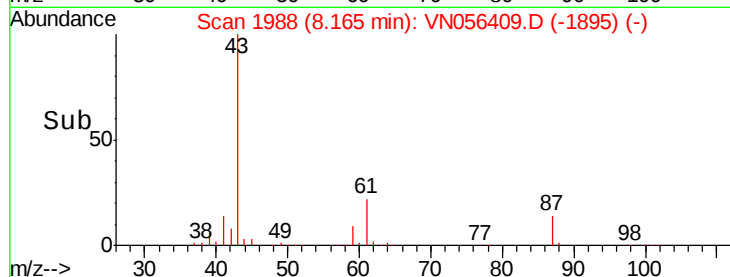
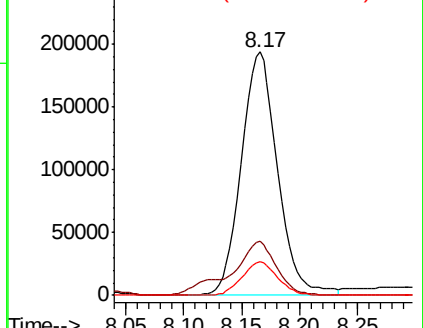
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 49.880 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056409.D

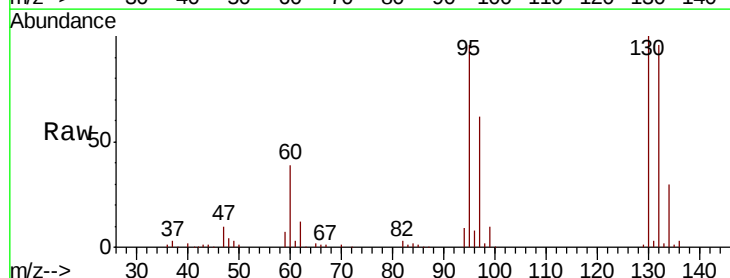
Acq: 20 Jun 2019 17:47

Tgt Ion: 130 Resp: 214918

Ion Ratio Lower Upper

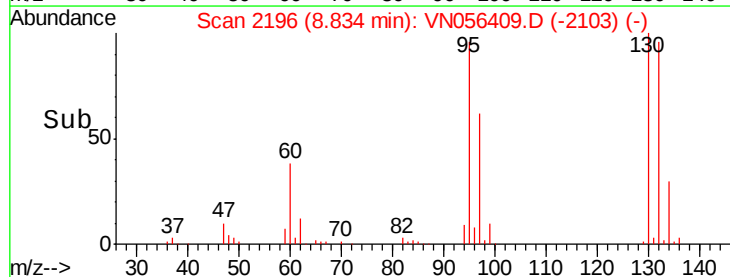
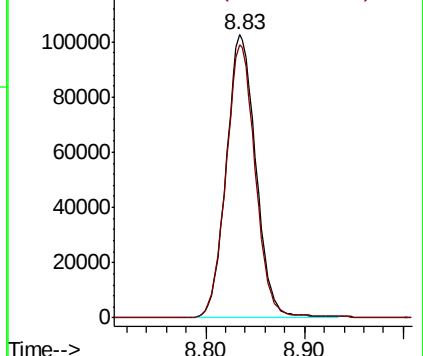
130 100

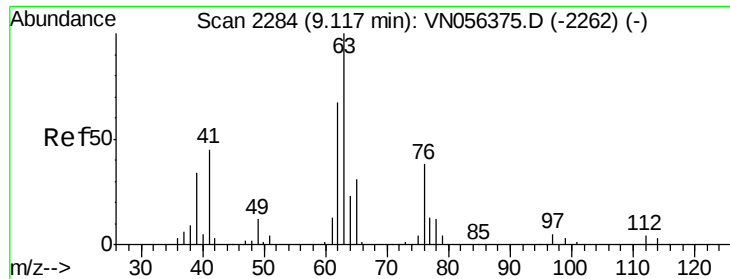
95 96.4 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

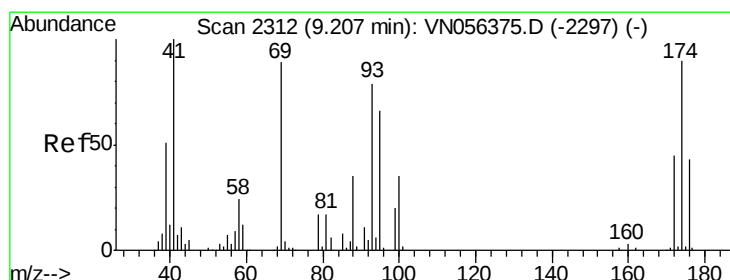
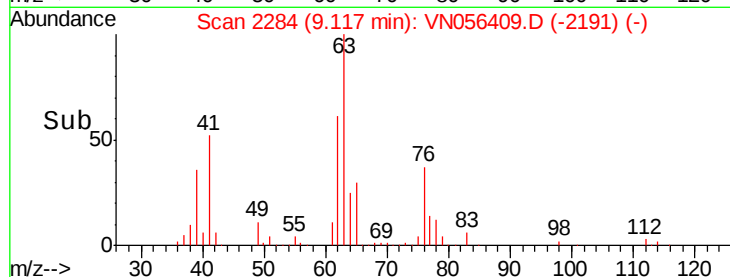
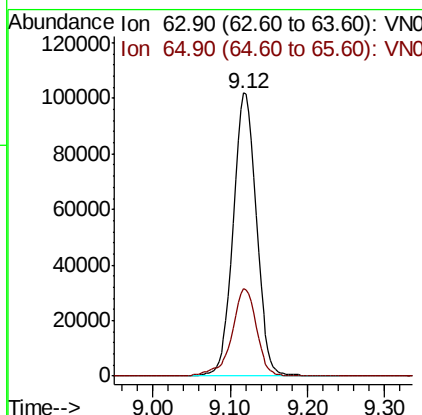
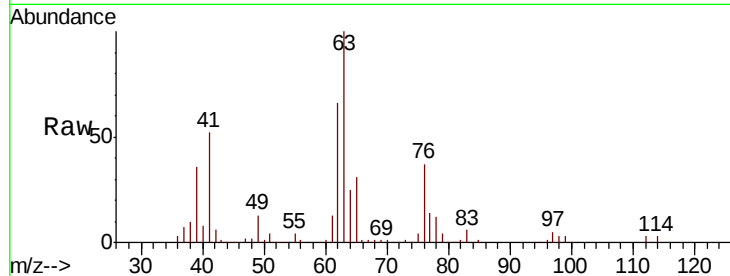




#45
 1,2-Dichloropropane
 Concen: 49.272 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

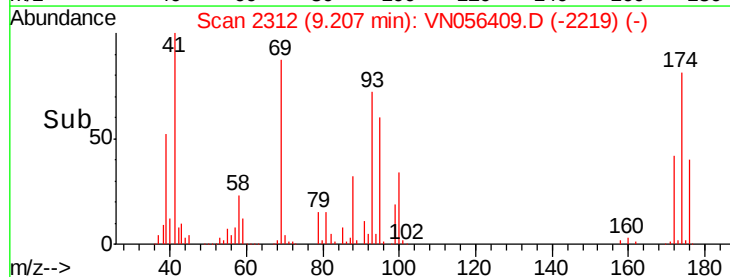
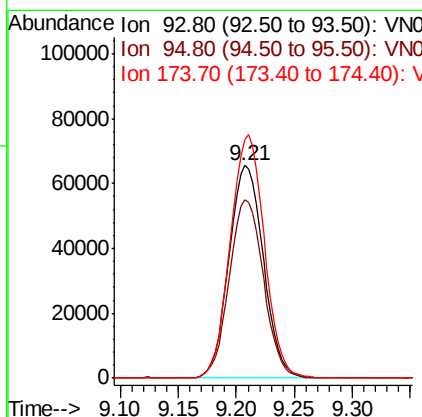
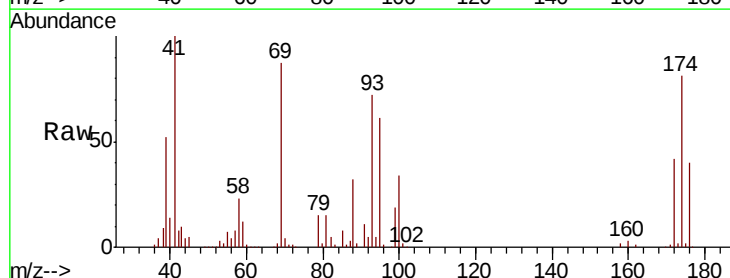
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 210767
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 50.386 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion: 93 Resp: 134847
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.2
 174 113.2 90.8 136.2





#47

Bromodichloromethane

Concen: 51.531 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

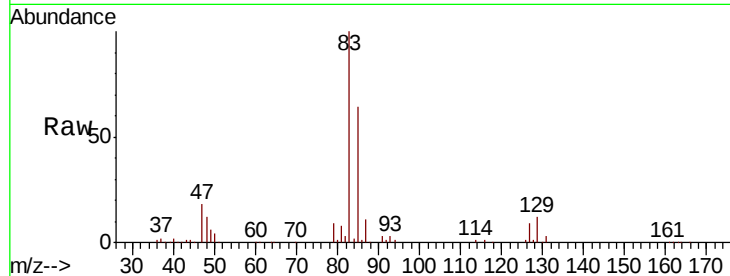
Tot Ion: 83 Resp: 244592

Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

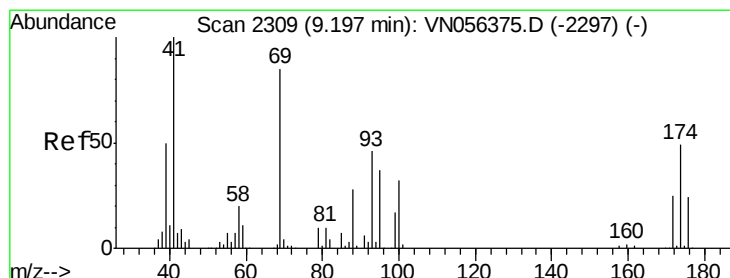
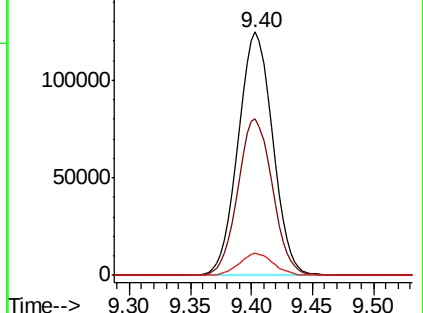
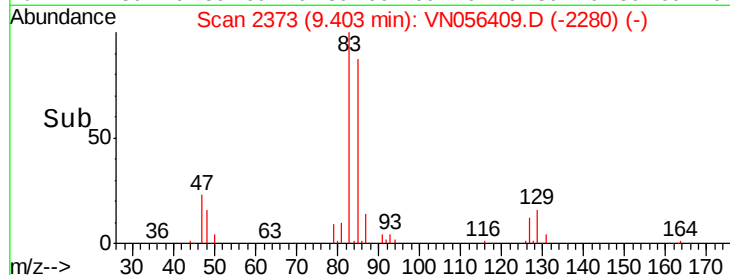
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056409.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056409.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056409.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.853 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

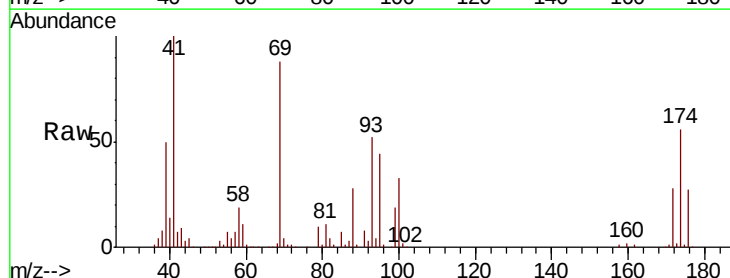
Tgt Ion: 41 Resp: 208703

Ion Ratio Lower Upper

41 100

69 87.9 72.6 109.0

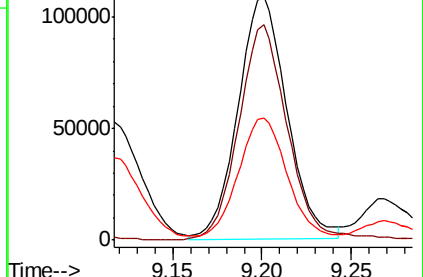
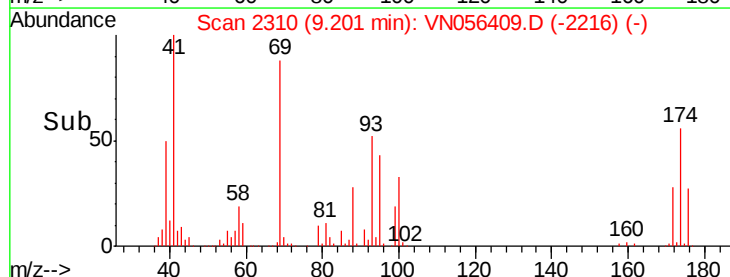
39 50.6 42.6 63.8

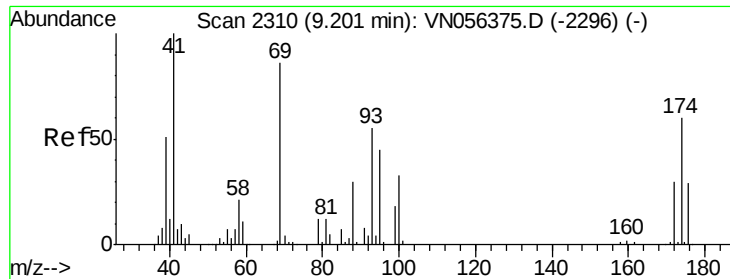


Abundance Ion 41.00 (40.70 to 41.70): VN056409.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056409.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056409.D (-2216) (-)





#49

1,4-Dioxane

Concen: 934.654 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

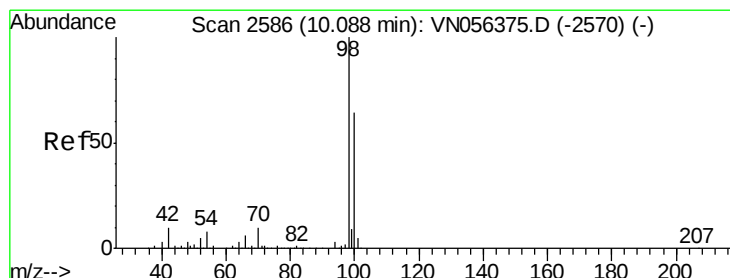
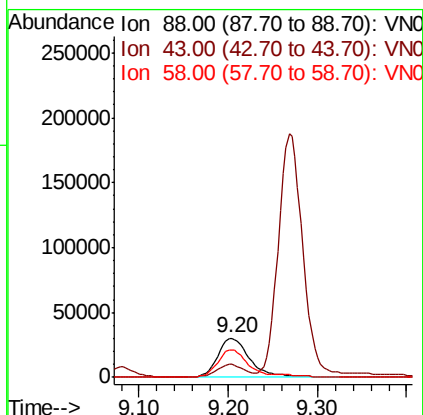
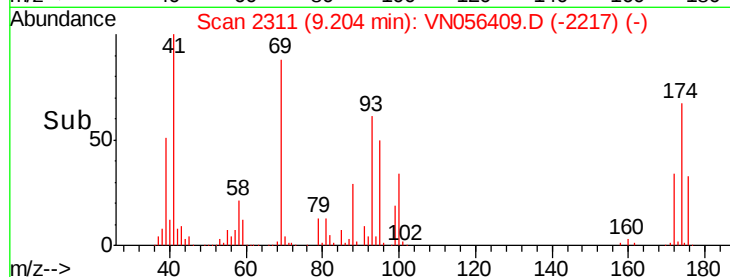
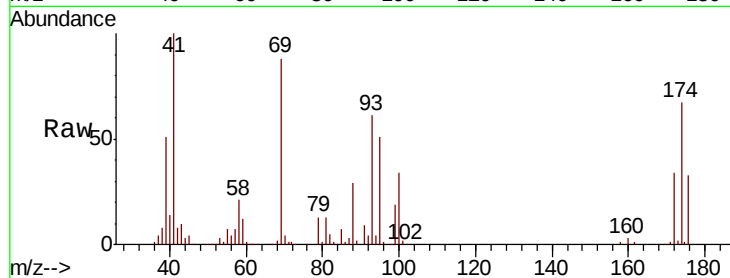
Tot Ion: 88 Resp: 76590

Ion Ratio Lower Upper

88 100

43 26.8 22.0 33.0

58 70.1 51.8 77.8



#50

Toluene-d8

Concen: 49.414 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056409.D

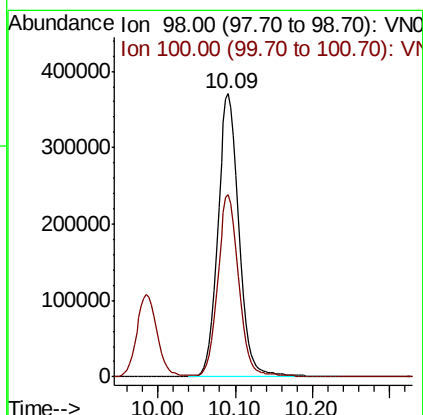
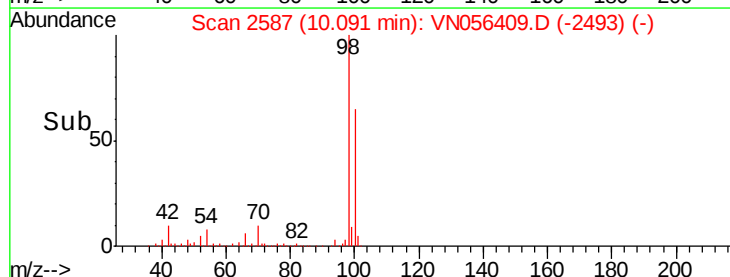
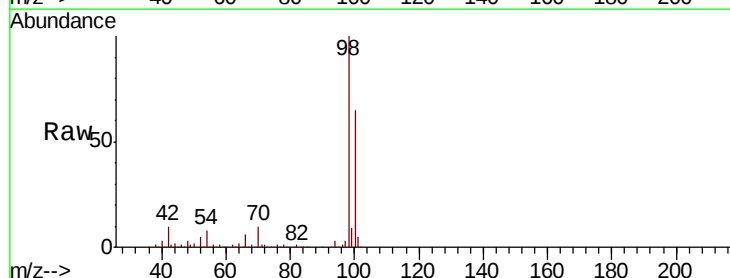
Acq: 20 Jun 2019 17:47

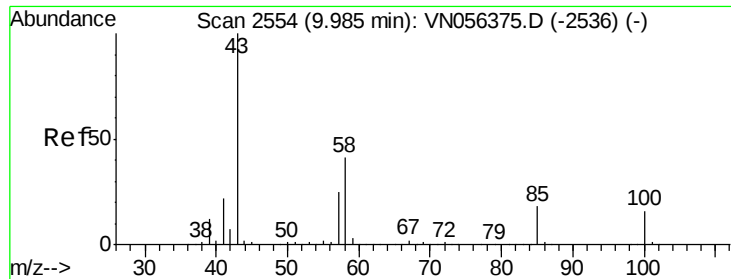
Tgt Ion: 98 Resp: 708625

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 260.953 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

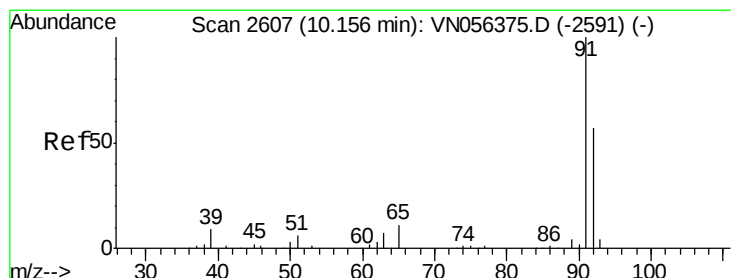
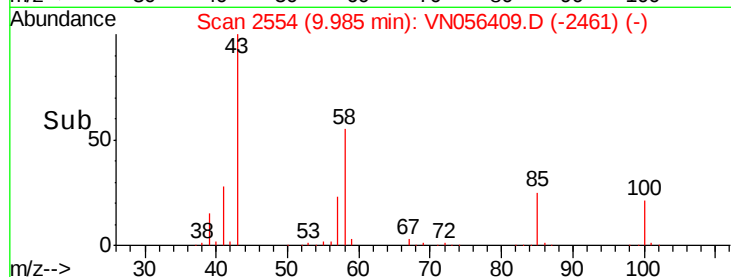
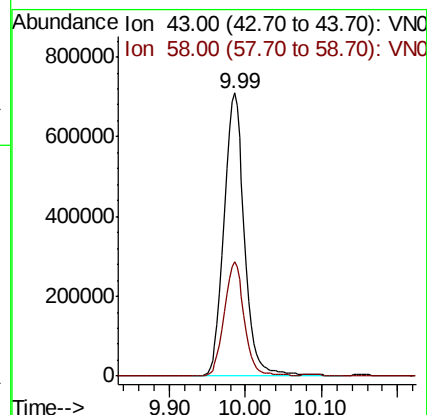
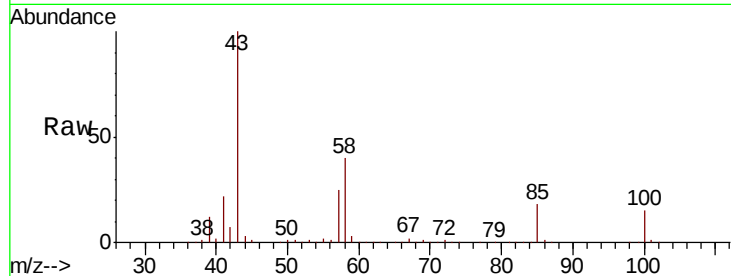
ClientSampleId :

Tot Ion: 43 Resp: 1327186

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.8



#52

Toluene

Concen: 48.955 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056409.D

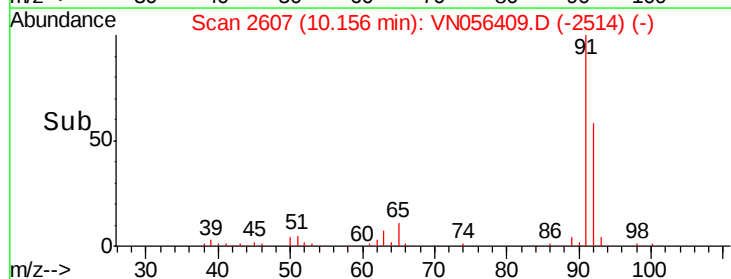
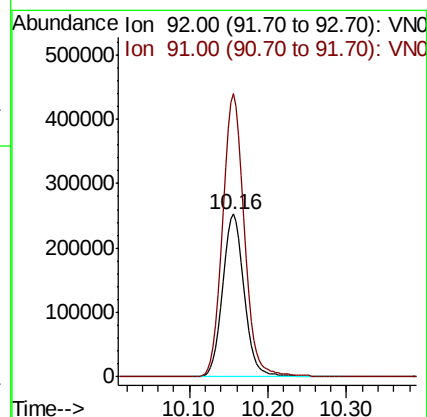
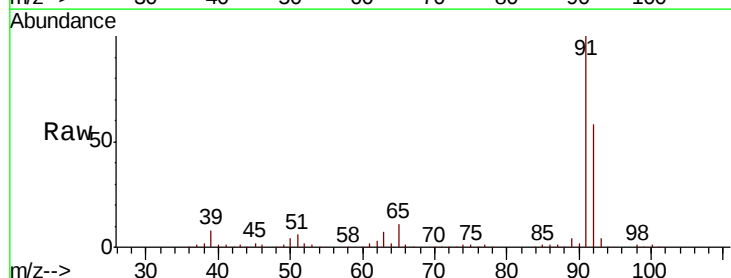
Acq: 20 Jun 2019 17:47

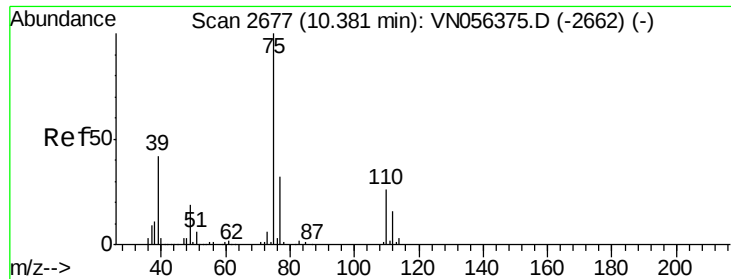
Tgt Ion: 92 Resp: 478731

Ion Ratio Lower Upper

92 100

91 174.4 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 48.021 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

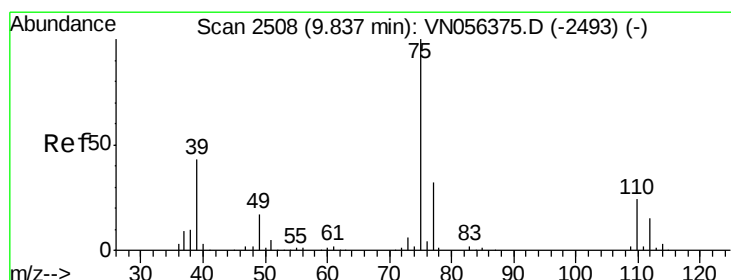
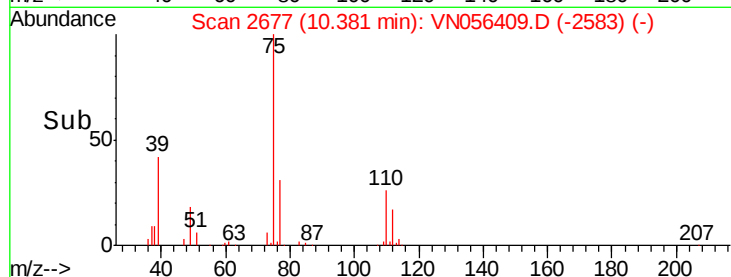
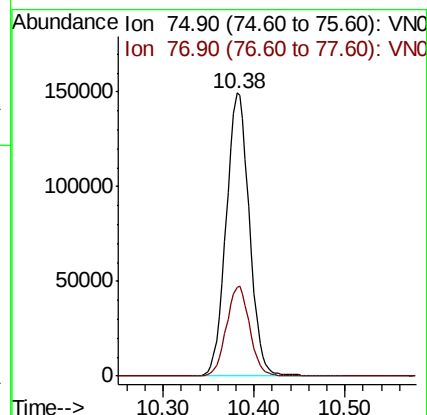
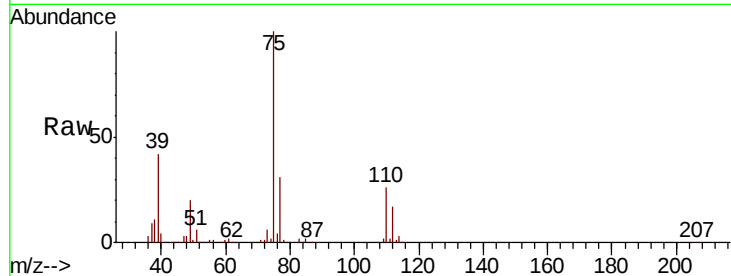
ClientSampleId :

Tot Ion: 75 Resp: 264807

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.359 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

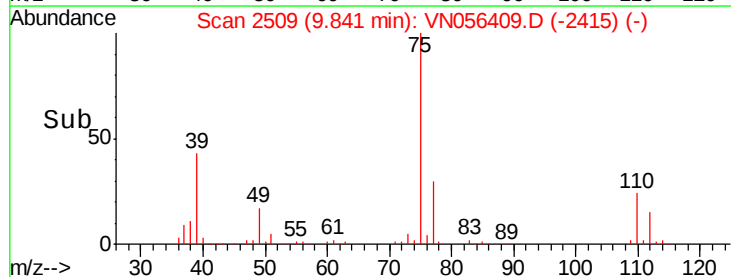
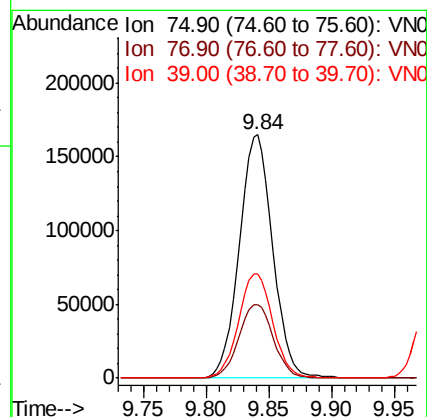
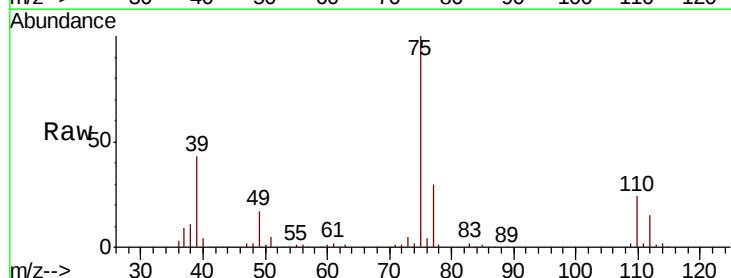
Tgt Ion: 75 Resp: 304997

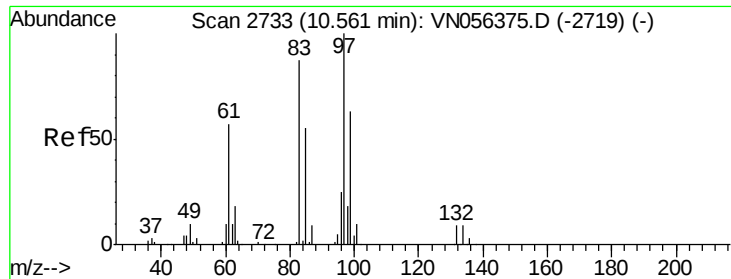
Ion Ratio Lower Upper

75 100

77 30.1 25.2 37.8

39 42.8 34.2 51.4

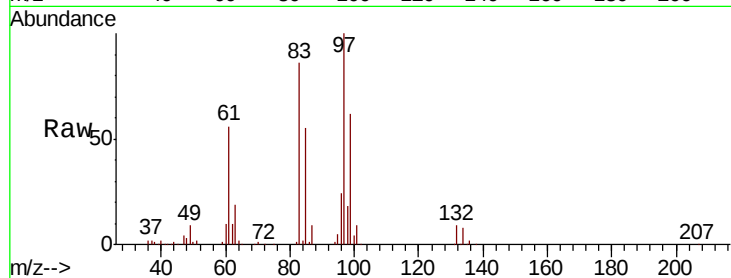




#55
 1,1,2-Trichloroethane
 Concen: 51.130 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	200980
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.8	104.6
85	55.4	43.8	65.8
99	61.7	50.2	75.2



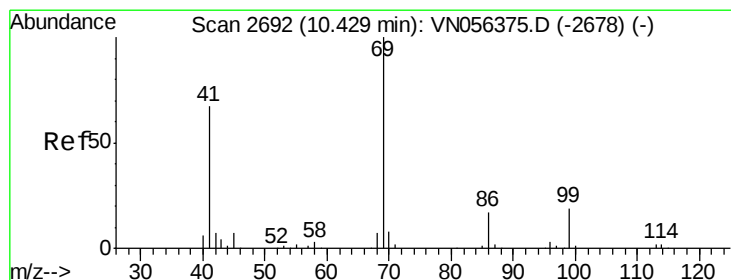
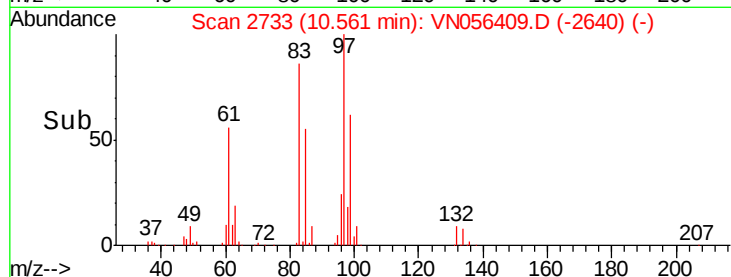
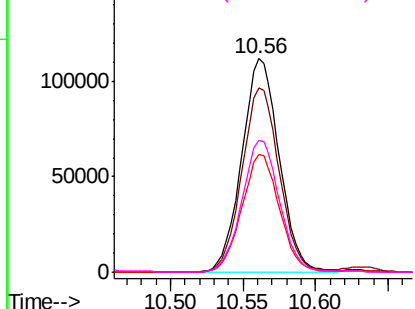
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

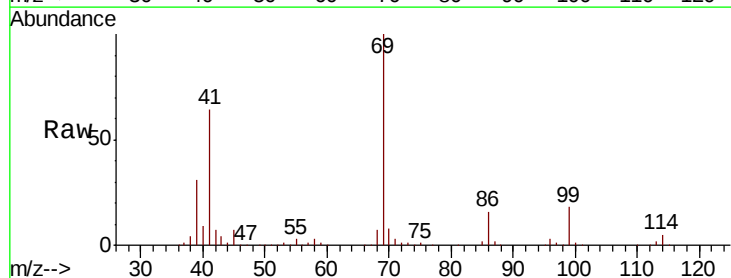
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 53.527 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion:	69	Resp:	307485
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.4	77.2
39	30.4	24.7	37.1

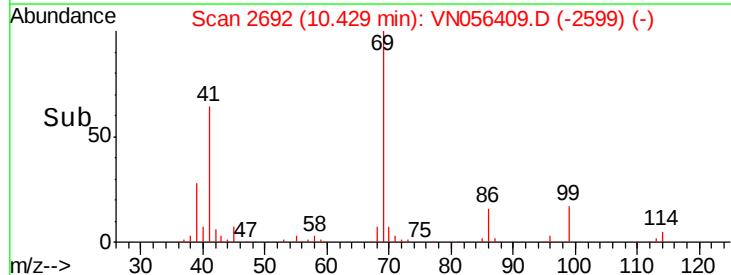
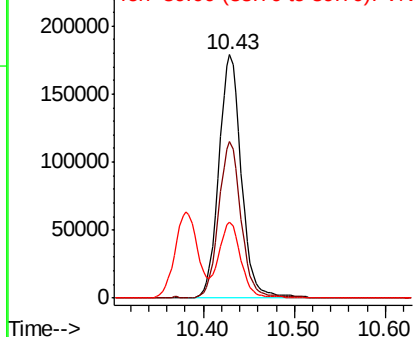


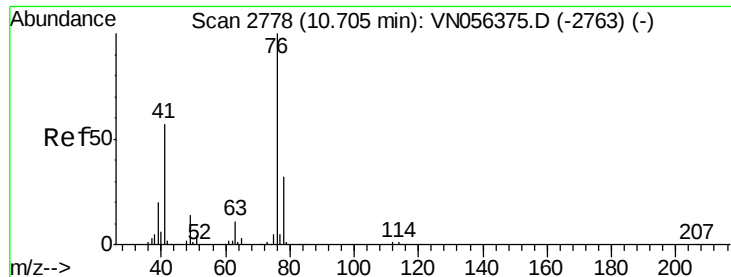
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.508 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

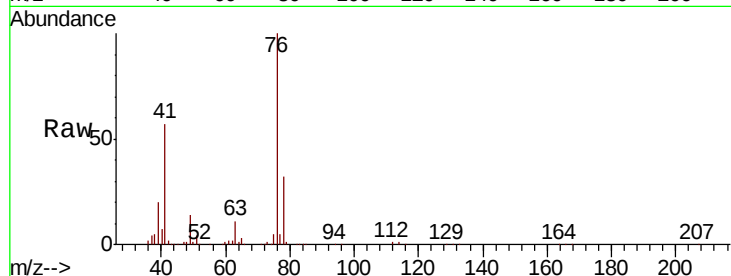
ClientSampled :

Tot Ion: 76 Resp: 333527

Ion Ratio Lower Upper

76 100

78 32.7 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

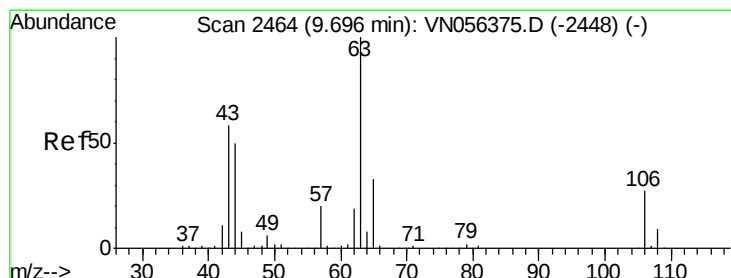
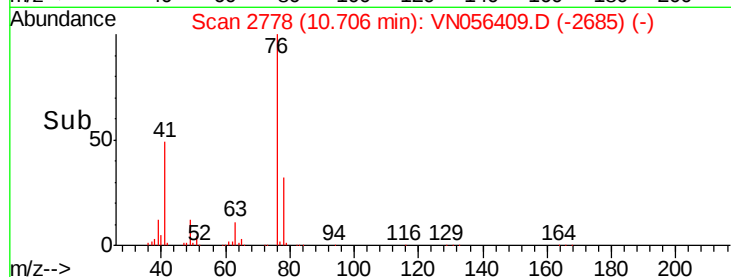
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 350.798 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056409.D

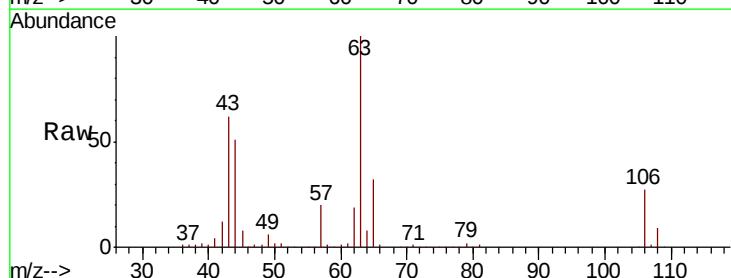
Acq: 20 Jun 2019 17:47

Tgt Ion: 63 Resp: 723950

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

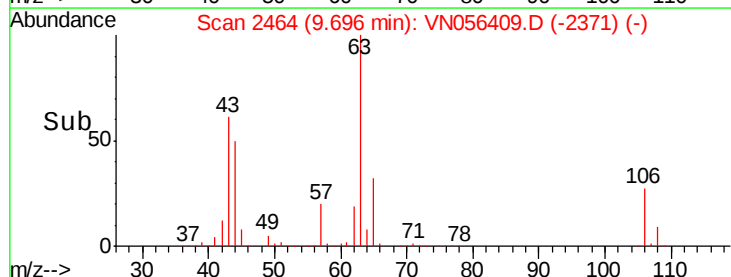
300000

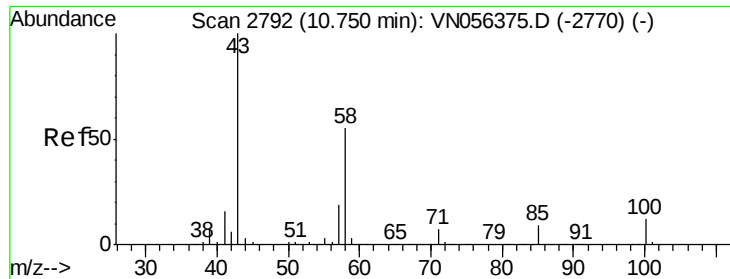
200000

100000

0

Time--> 9.60 9.70 9.80

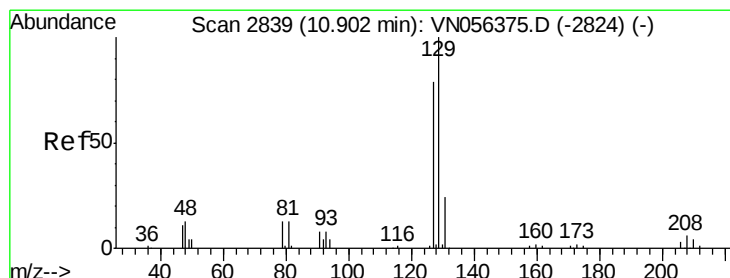
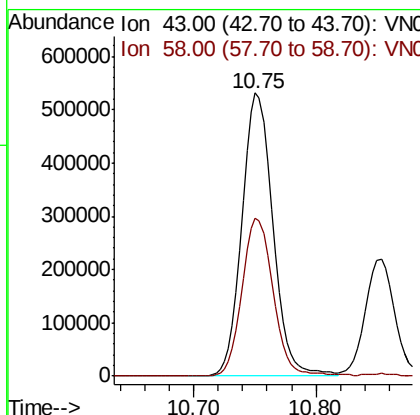
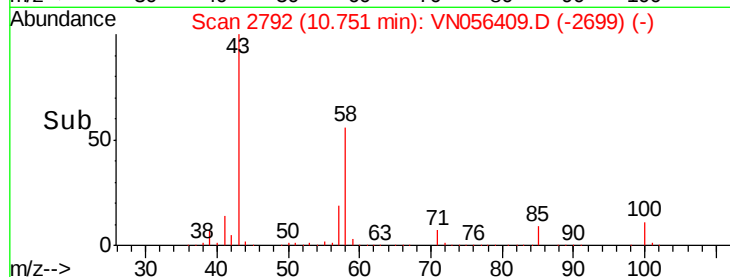
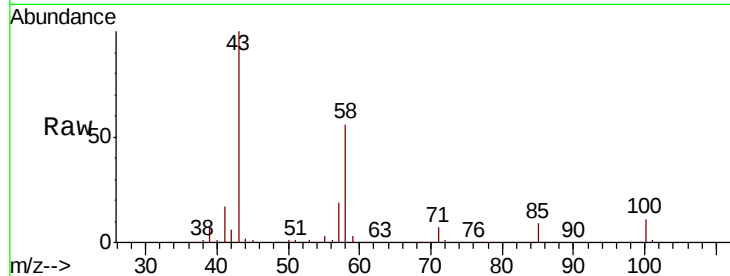




#59
2-Hexanone
Concen: 248.478 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

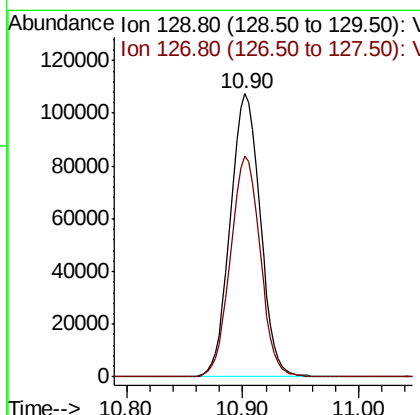
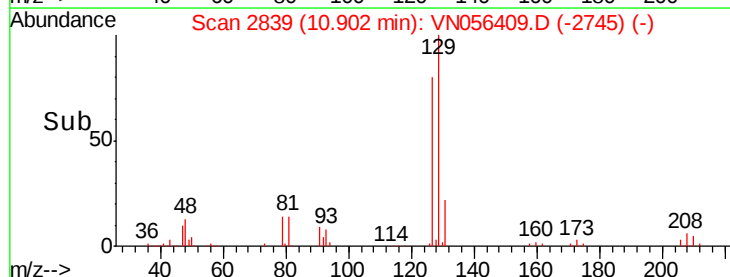
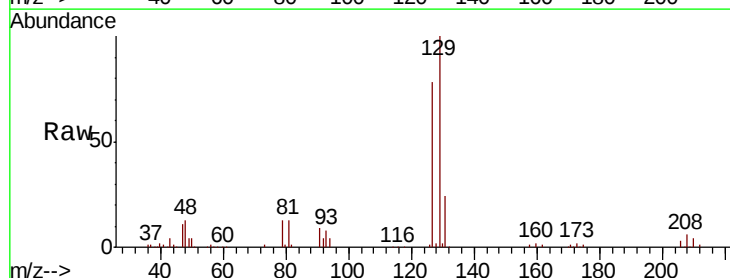
Instrument :
MSVOA_N
ClientSampleId :

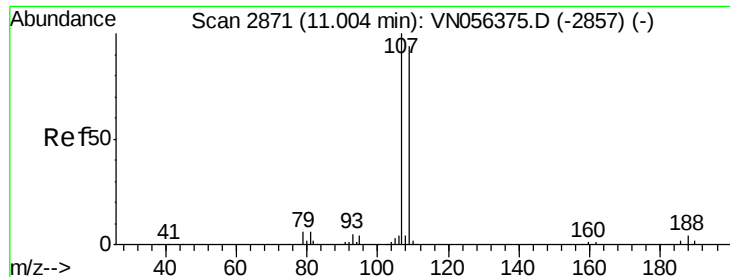
Tot Ion: 43 Resp: 928803
Ion Ratio Lower Upper
43 100
58 56.3 27.8 83.4



#60
Dibromochloromethane
Concen: 47.644 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 129 Resp: 192020
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

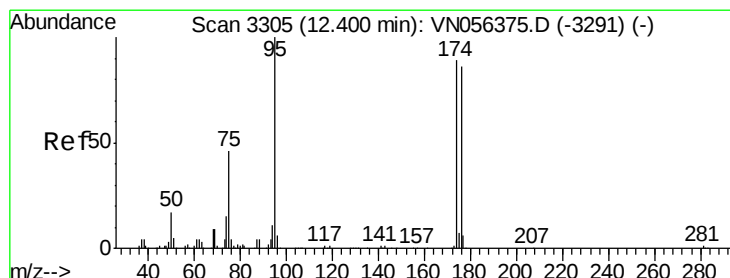
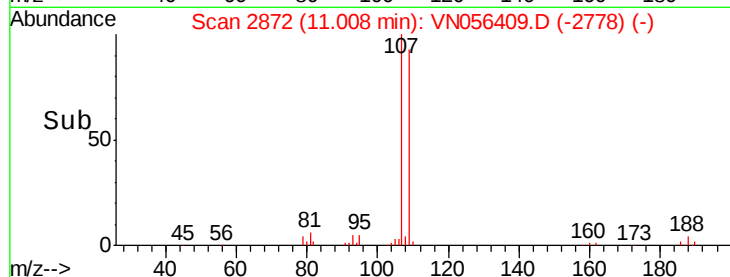
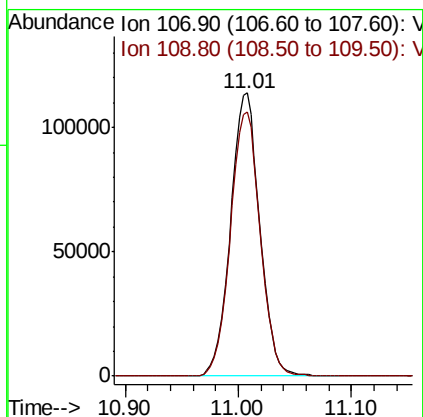
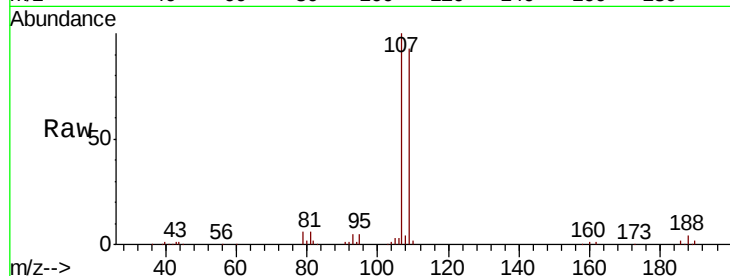




#61
 1,2-Dibromoethane
 Concen: 50.785 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

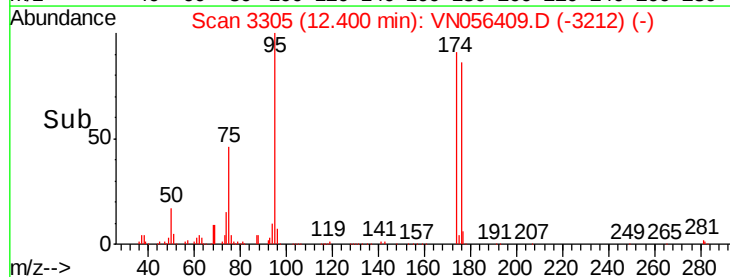
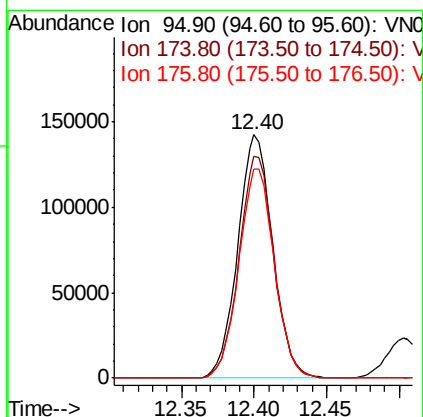
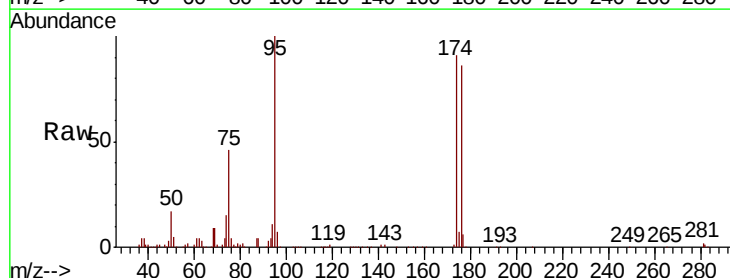
Instrument :
 MSVOA_N
 ClientSampled :

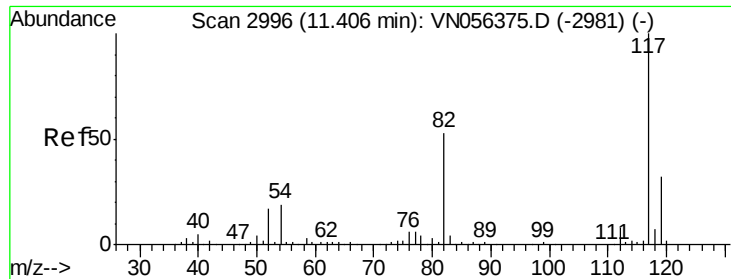
Tot Ion: 107 Resp: 203883
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.643 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion: 95 Resp: 237323
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 179.4
 176 87.4 0.0 173.4

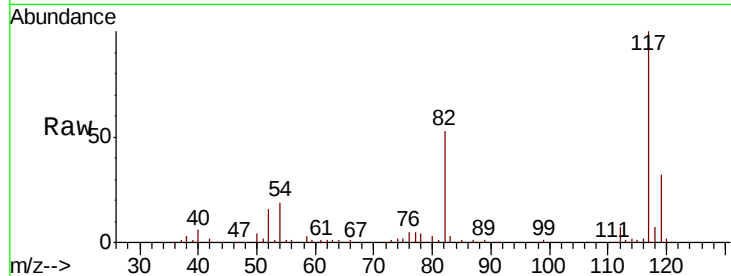




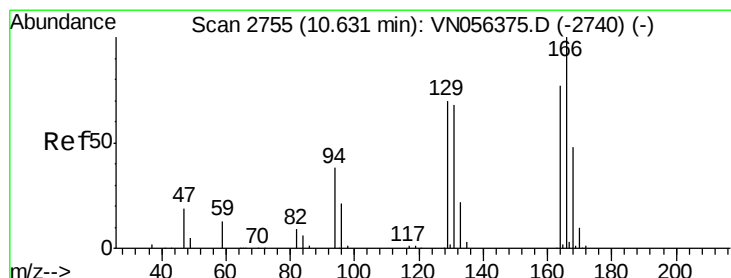
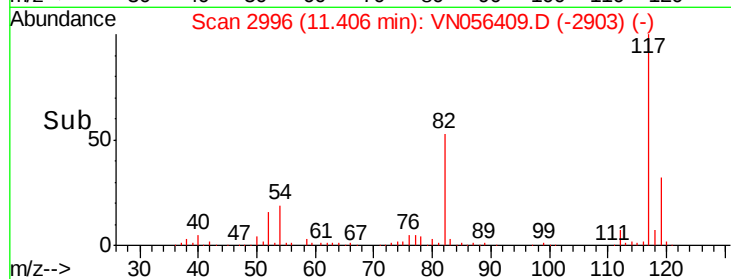
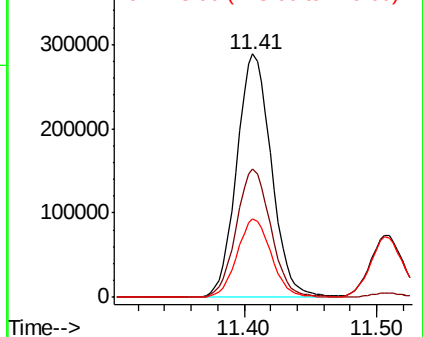
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 525465
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.2 25.3 37.9

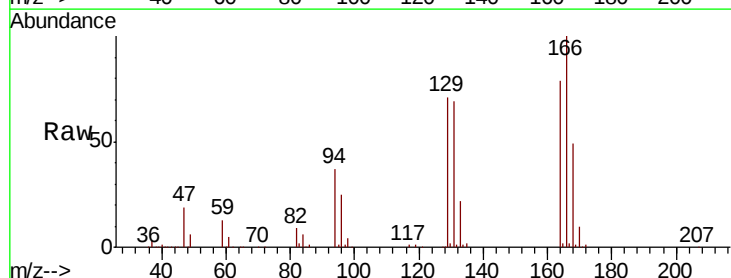


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

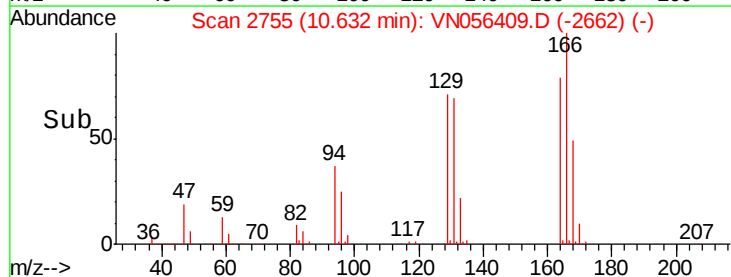
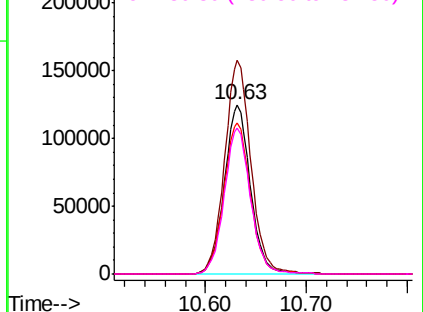


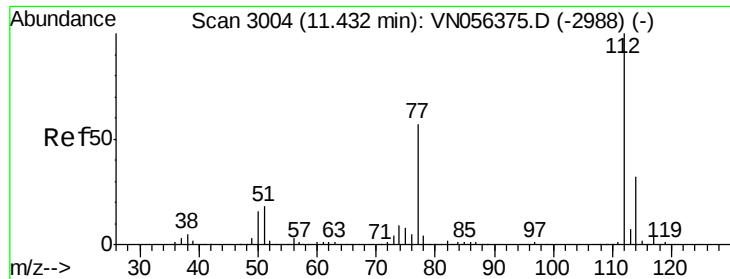
#64
Tetrachloroethene
Concen: 54.003 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion:164 Resp: 224720
Ion Ratio Lower Upper
164 100
166 126.3 103.4 155.0
129 89.6 72.0 108.0
131 86.7 70.2 105.2



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

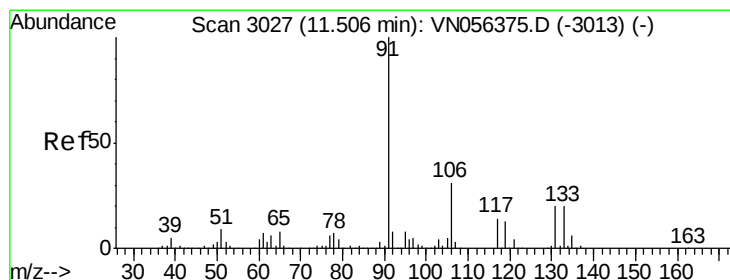
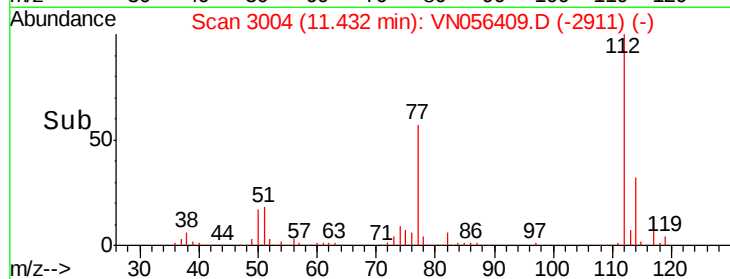
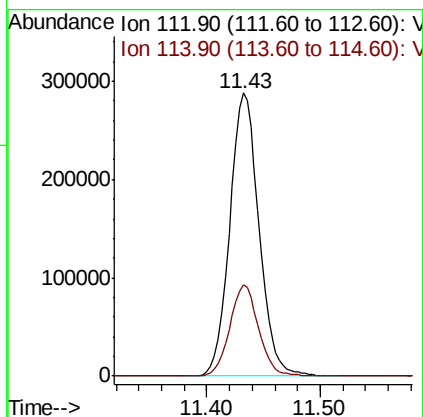
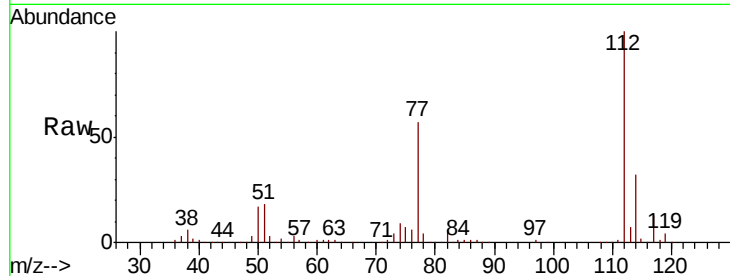




#65
Chlorobenzene
Concen: 48.919 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

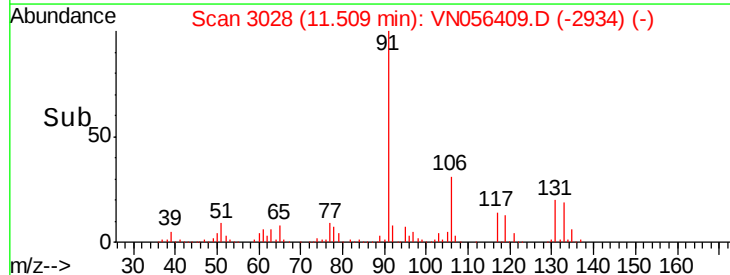
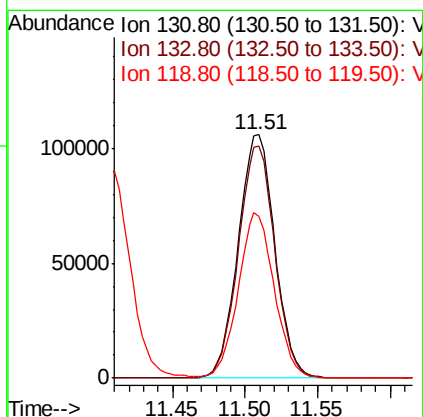
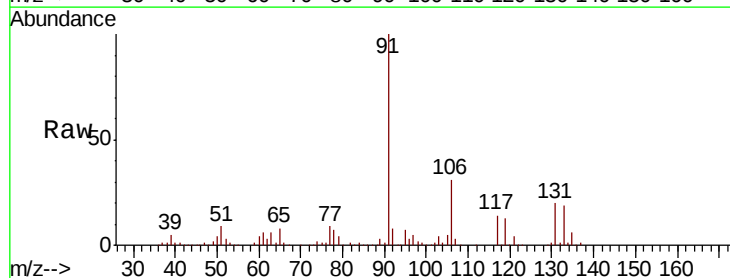
Instrument :
MSVOA_N
ClientSampled :

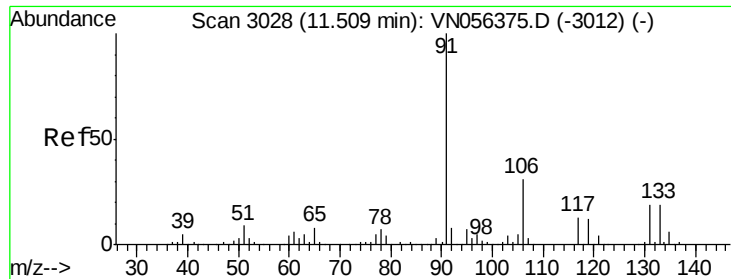
Tot Ion:112 Resp: 516515
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.216 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion:131 Resp: 186334
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 66.7 32.8 98.4

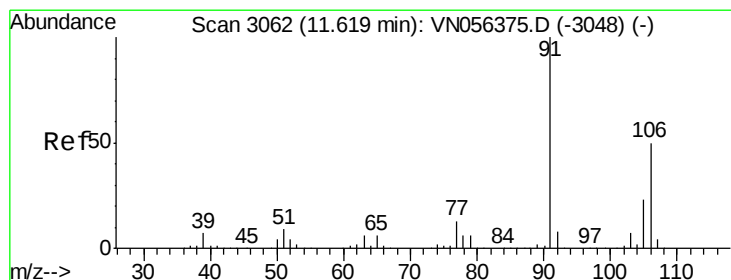
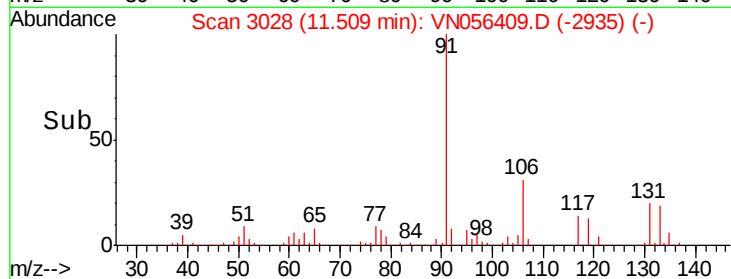
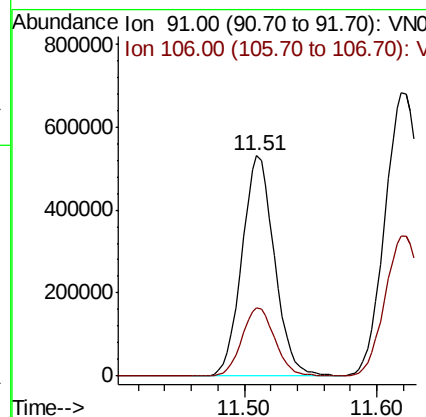
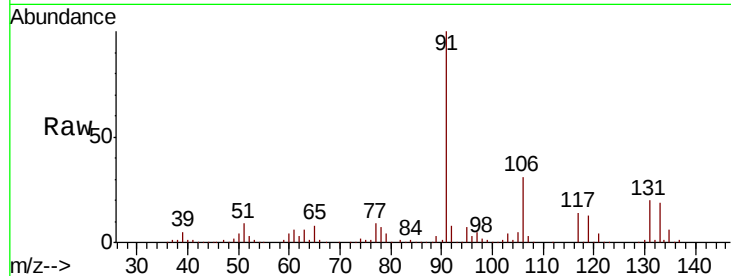




#67
Ethyl Benzene
Concen: 48.767 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

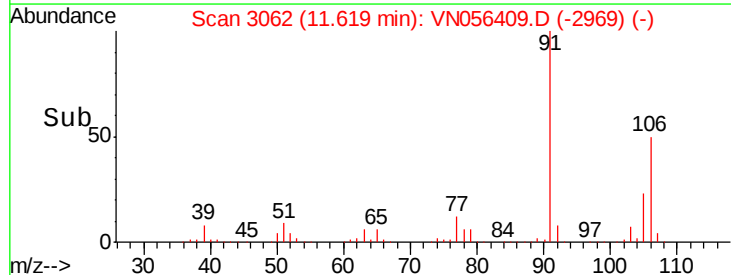
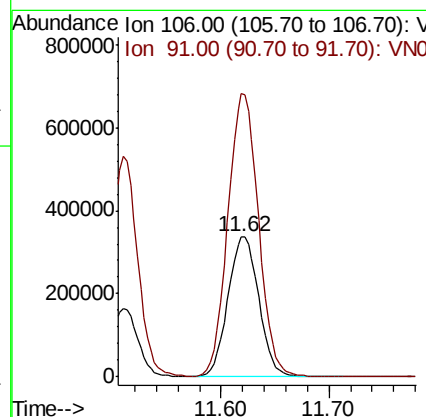
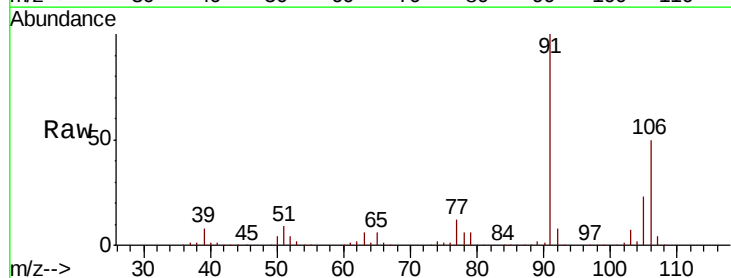
Instrument :
MSVOA_N
ClientSampleId :

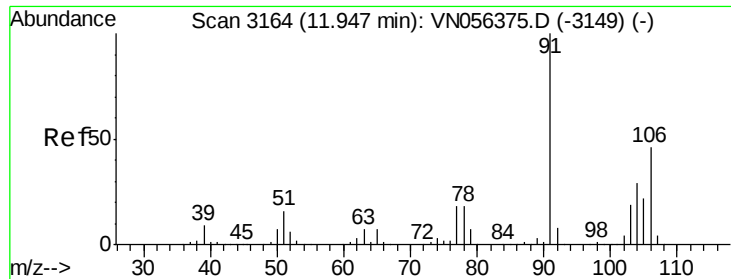
Tot Ion: 91 Resp: 904096
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



#68
m/p-Xylenes
Concen: 99.122 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 106 Resp: 673459
Ion Ratio Lower Upper
106 100
91 200.5 160.1 240.1

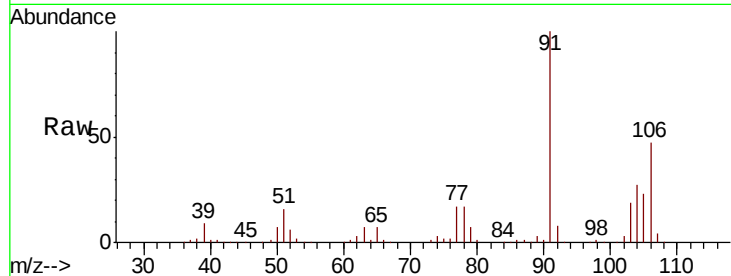




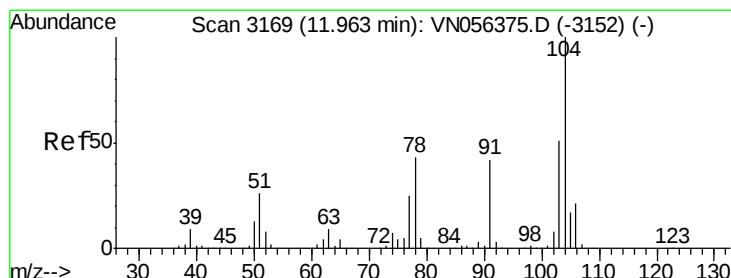
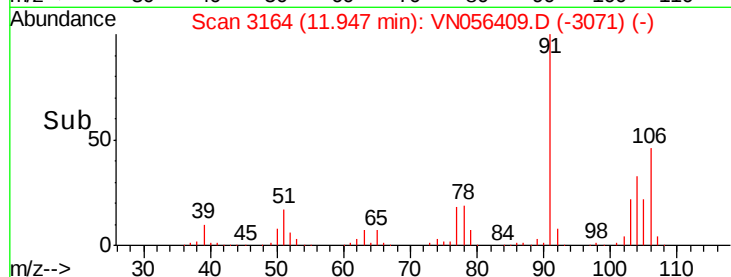
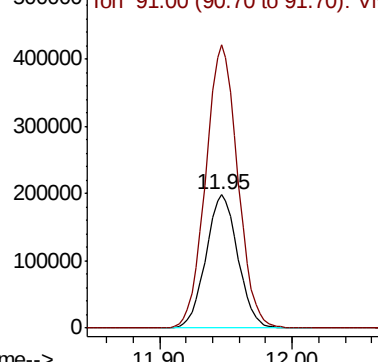
#69
o-Xylene
Concen: 49.376 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 331894
Ion Ratio Lower Upper
106 100
91 212.6 107.1 321.3

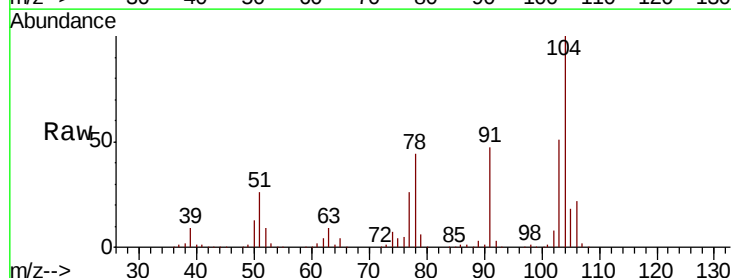


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

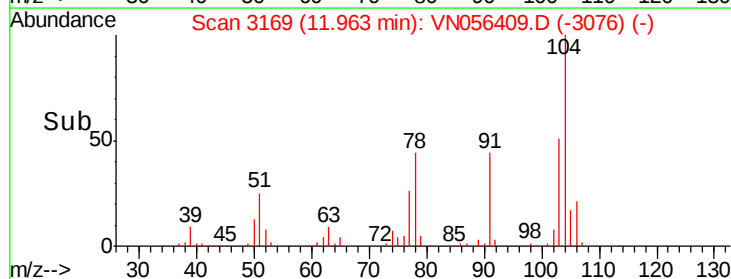
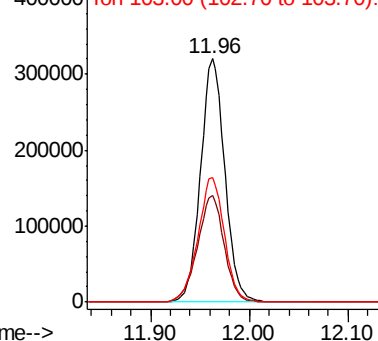


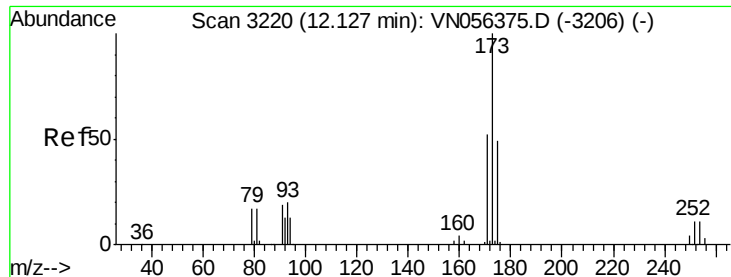
#70
Styrene
Concen: 51.500 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion:104 Resp: 553321
Ion Ratio Lower Upper
104 100
78 48.0 38.6 57.8
103 55.7 43.9 65.9



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

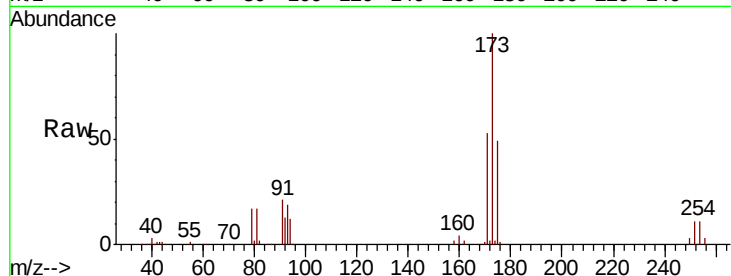




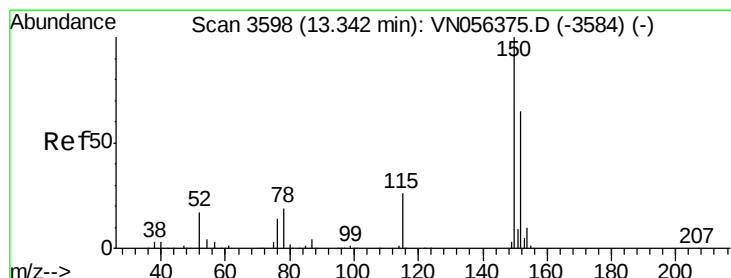
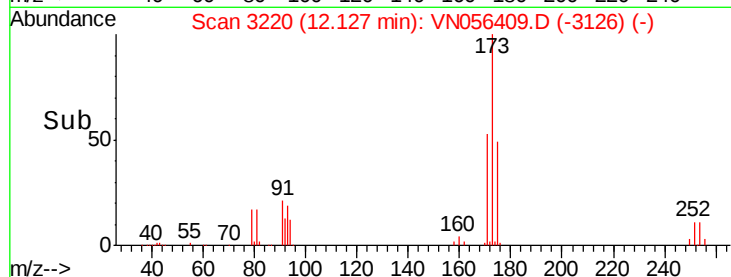
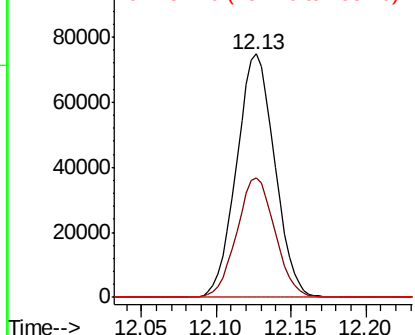
#71
Bromoform
Concen: 46.431 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 132978
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.4
254 0.0 0.0 0.0#

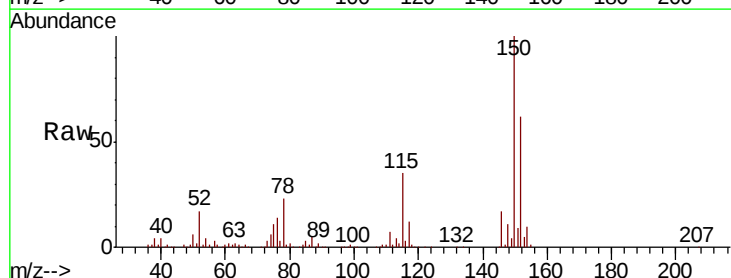


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

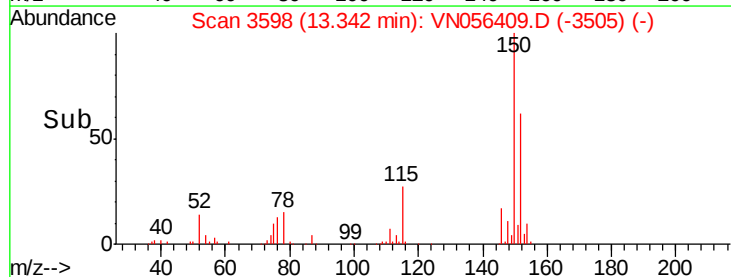
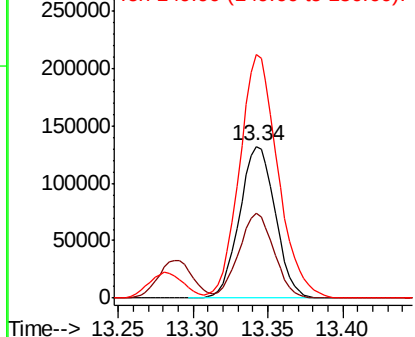


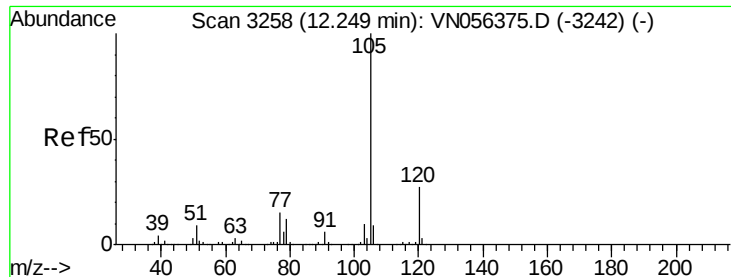
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion:152 Resp: 219381
Ion Ratio Lower Upper
152 100
115 54.9 28.1 84.4
150 172.3 0.0 348.4



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: 53.332 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

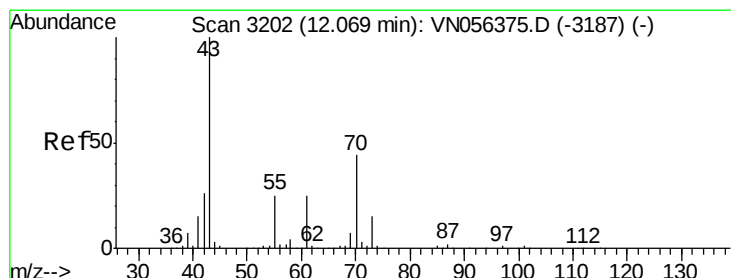
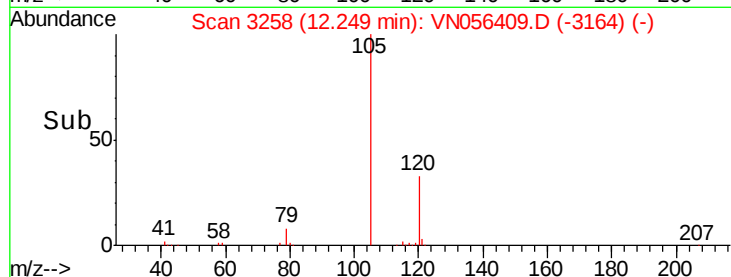
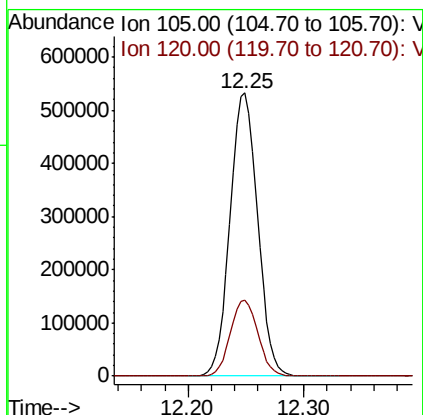
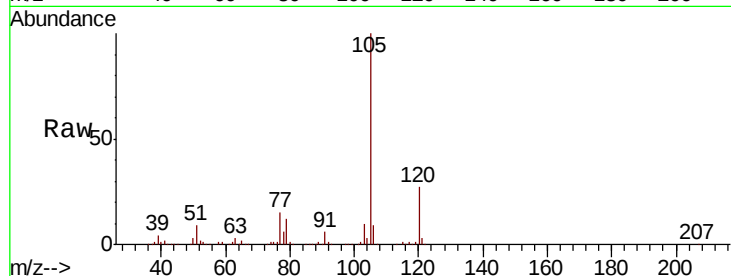
ClientSampled :

Tot Ion:105 Resp: 875830

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 47.993 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Tgt Ion: 43 Resp: 335084

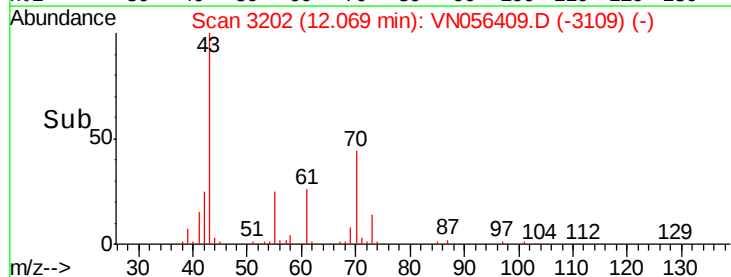
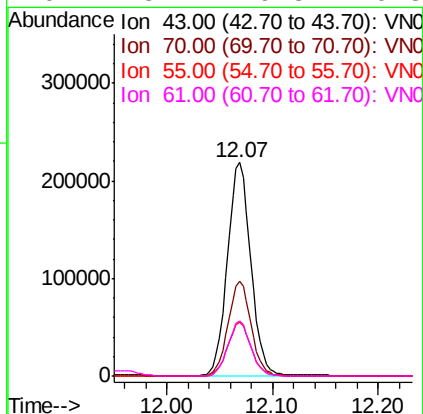
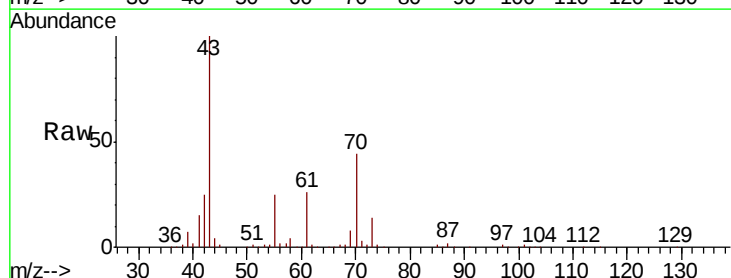
Ion Ratio Lower Upper

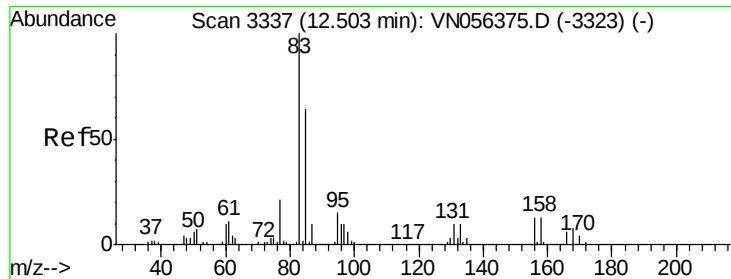
43 100

70 43.8 34.9 52.3

55 25.4 20.4 30.6

61 25.4 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.200 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

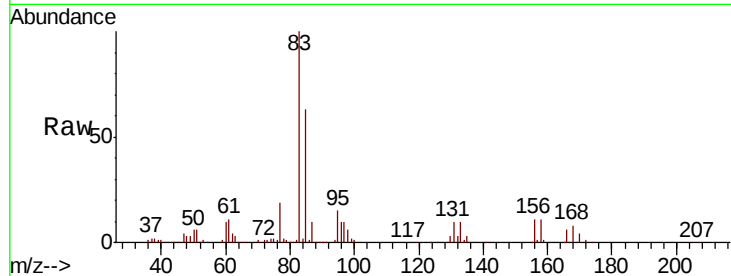
Tot Ion: 83 Resp: 265593

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

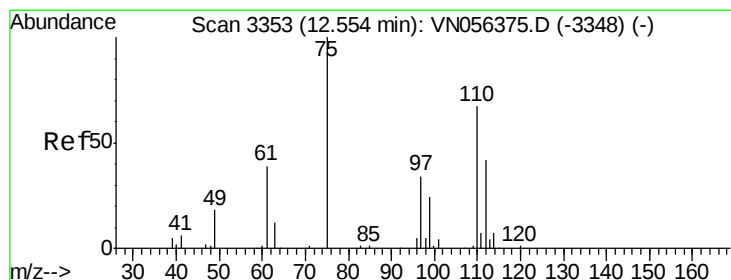
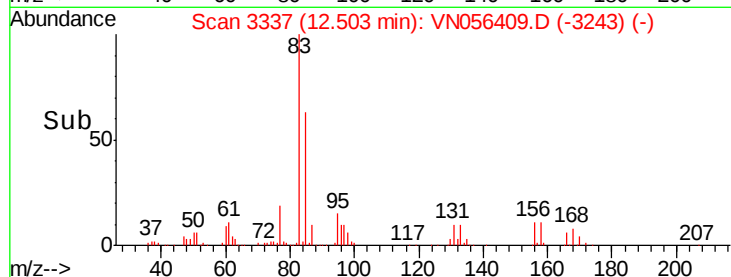
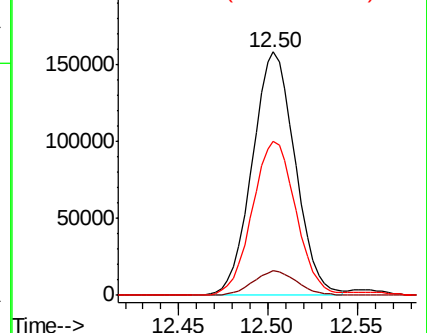
85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 71.495 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056409.D

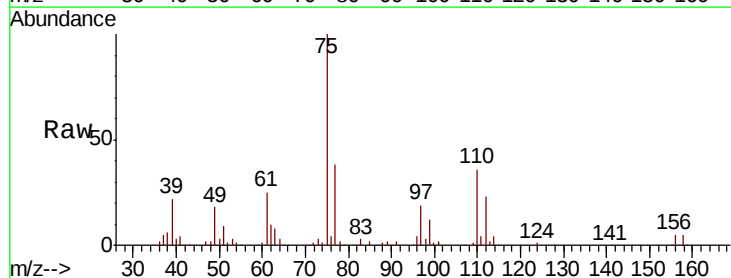
Acq: 20 Jun 2019 17:47

Tgt Ion: 75 Resp: 325226

Ion Ratio Lower Upper

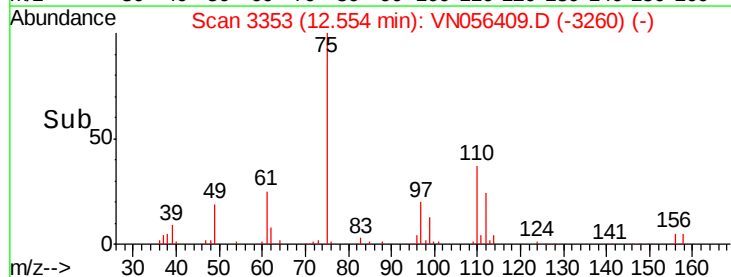
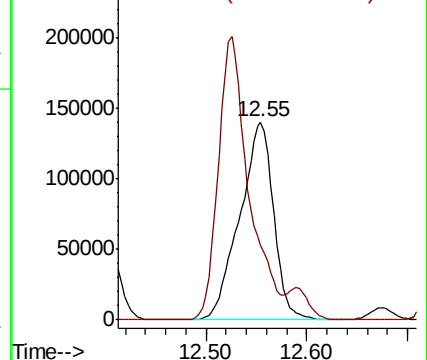
75 100

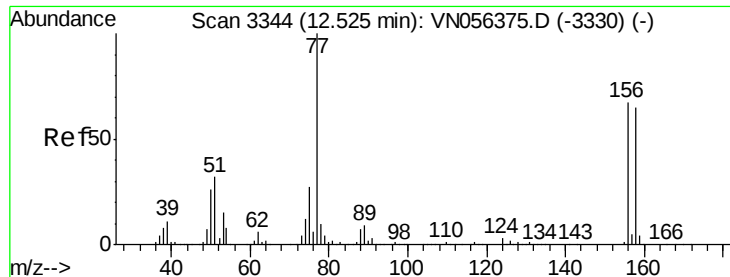
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

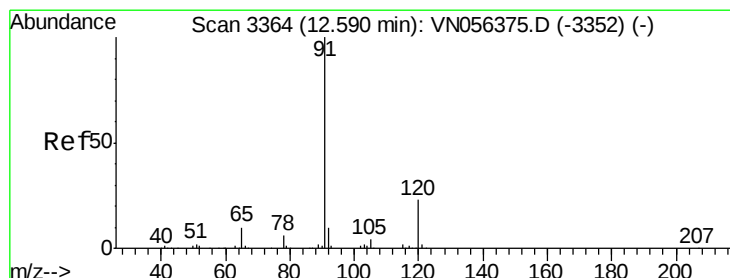
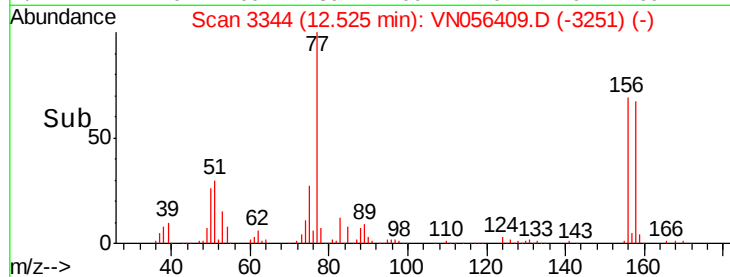
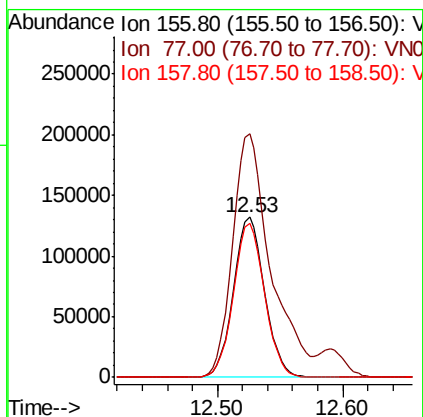
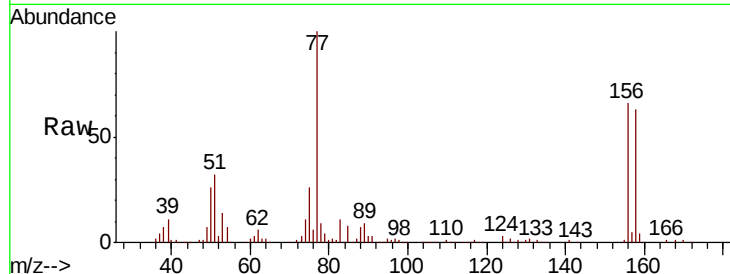




#77
Bromobenzene
Concen: 46.317 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

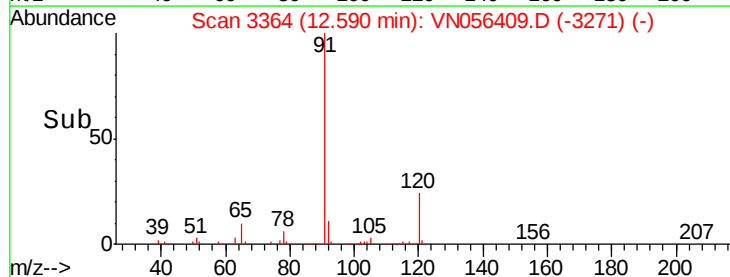
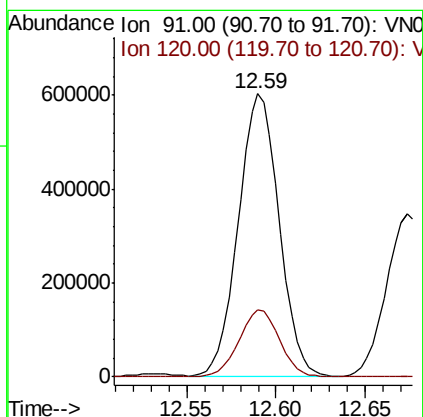
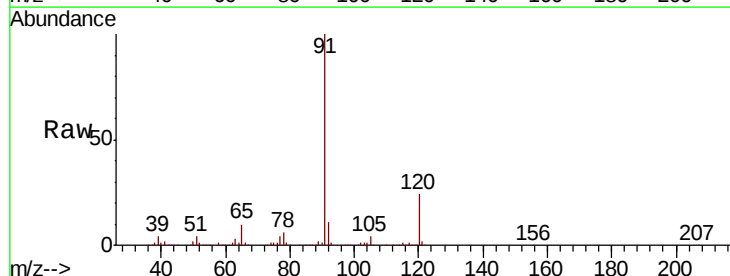
Instrument :
MSVOA_N
ClientSampleId :

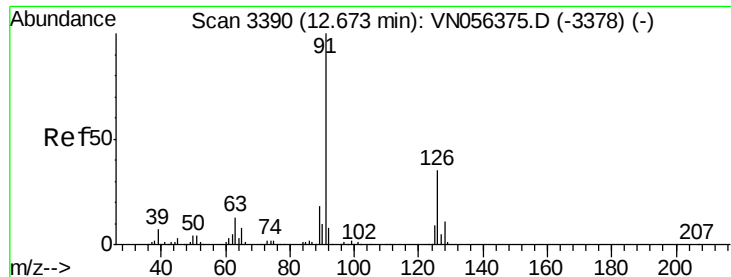
Tot Ion:156 Resp: 227201
Ion Ratio Lower Upper
156 100
77 187.0 92.5 277.3
158 96.2 48.7 146.1



#78
n-propylbenzene
Concen: 47.494 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion: 91 Resp: 954151
Ion Ratio Lower Upper
91 100
120 23.7 11.8 35.4





#79

2-Chlorotoluene

Concen: 52.450 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

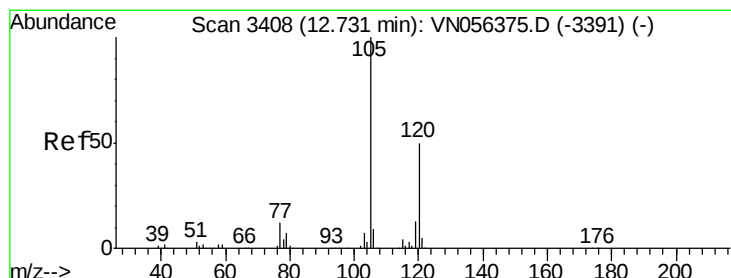
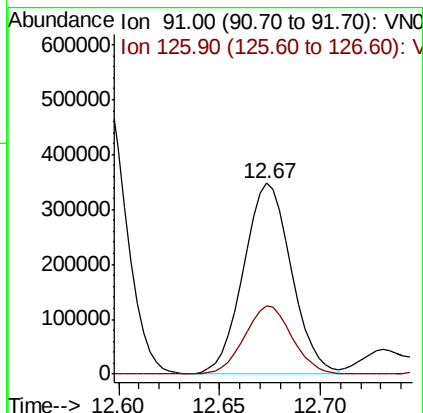
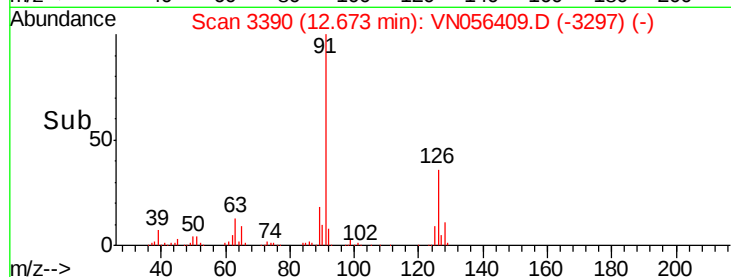
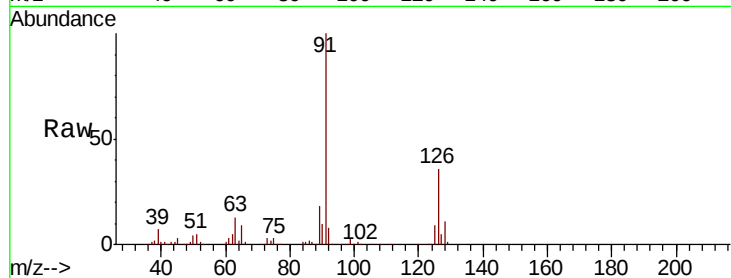
ClientSampled :

Tot Ion: 91 Resp: 576433

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 52.039 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056409.D

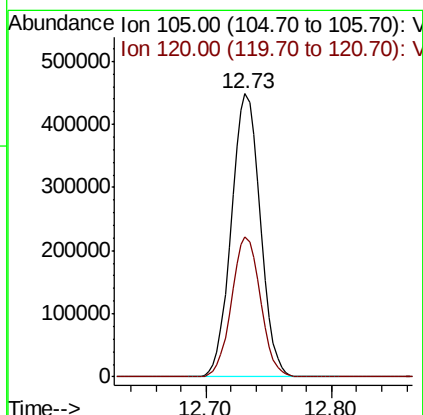
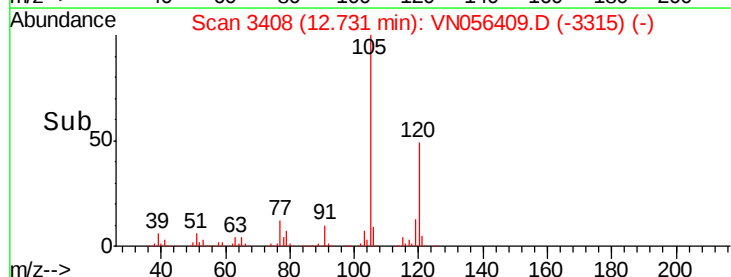
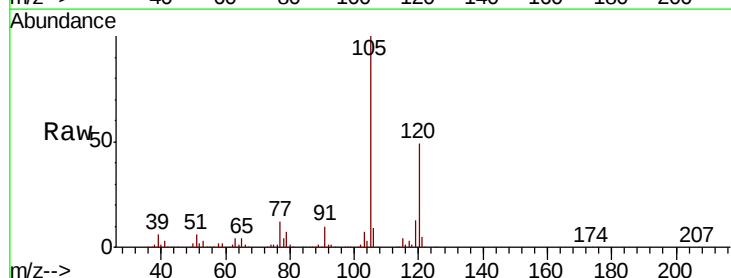
Acq: 20 Jun 2019 17:47

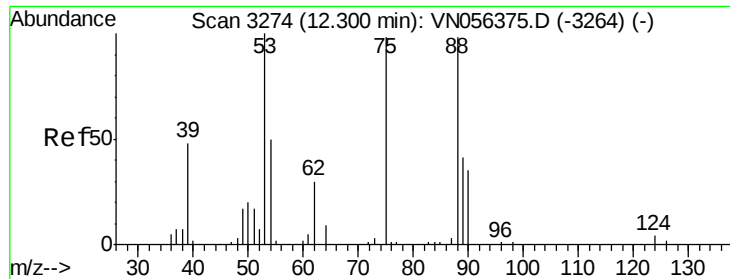
Tgt Ion: 105 Resp: 717202

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.196 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

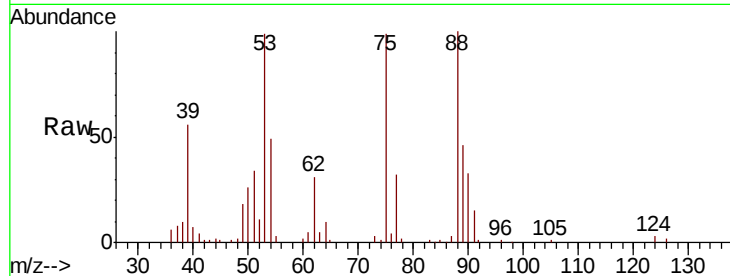
Tot Ion: 75 Resp: 66805

Ion Ratio Lower Upper

75 100

53 100.3 83.9 125.9

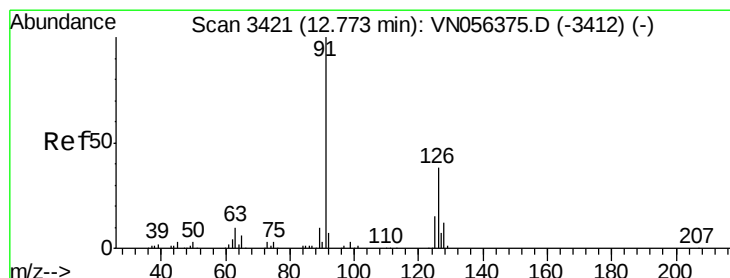
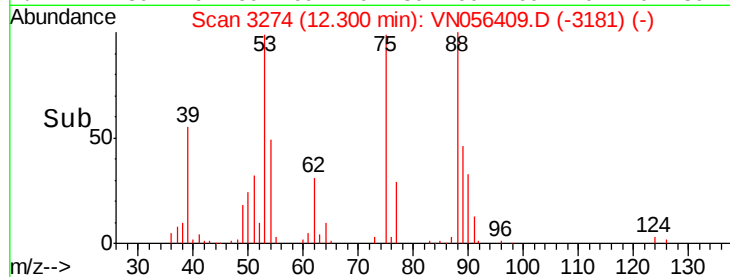
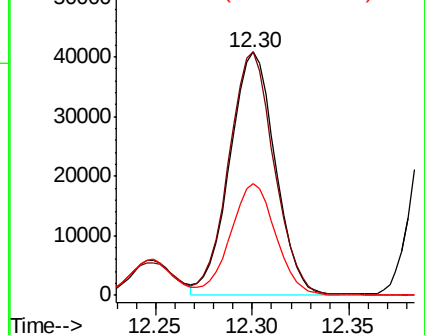
89 45.5 35.0 52.6



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: 46.607 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056409.D

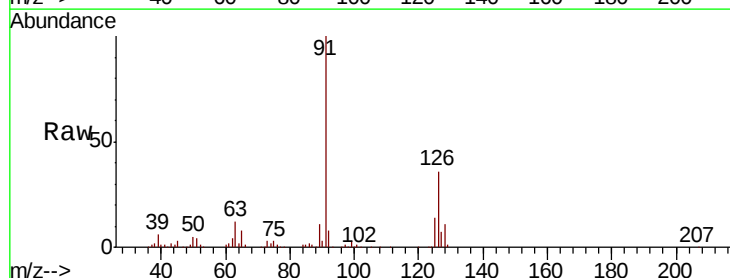
Acq: 20 Jun 2019 17:47

Tgt Ion: 91 Resp: 552848

Ion Ratio Lower Upper

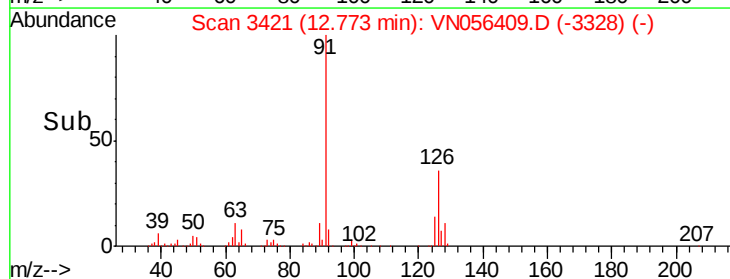
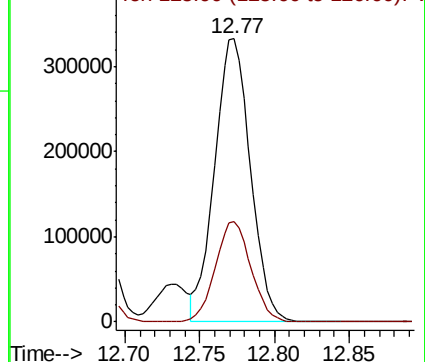
91 100

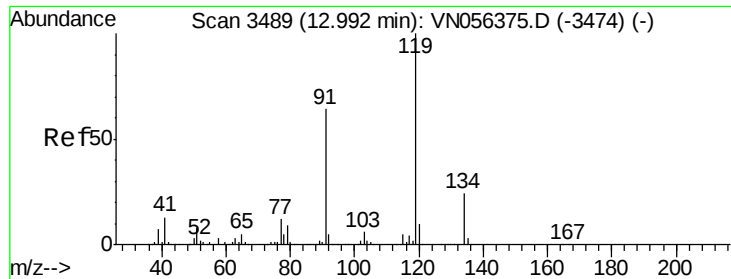
126 35.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

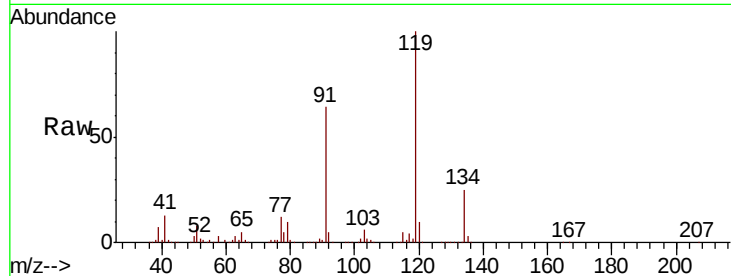




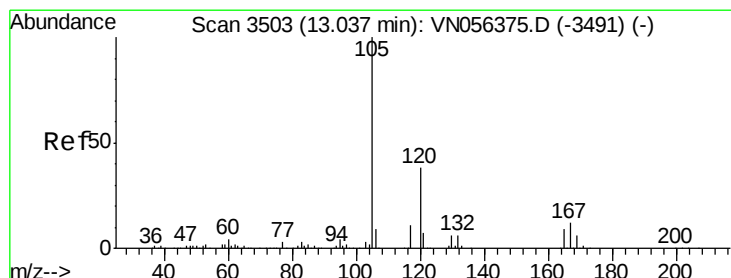
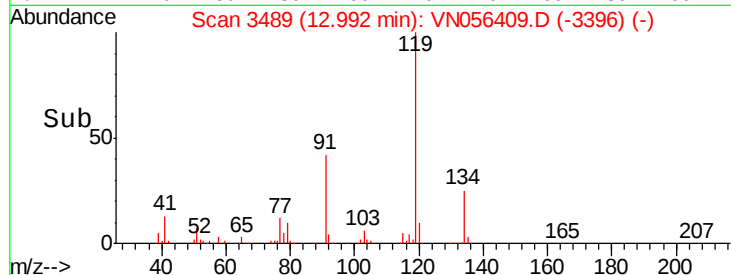
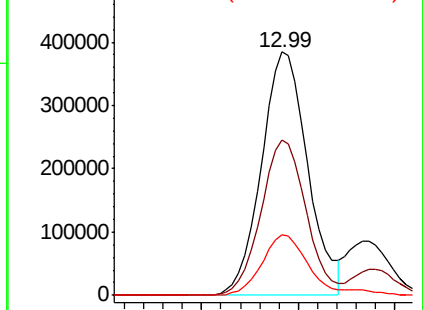
#83
tert-Butylbenzene
Concen: 53.248 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 638447
Ion Ratio Lower Upper
119 100
91 62.0 31.6 94.7
134 25.8 13.2 39.5

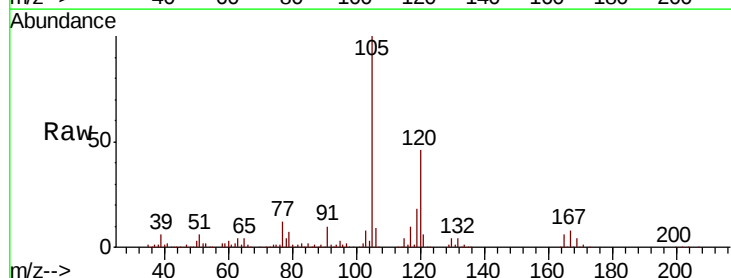


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

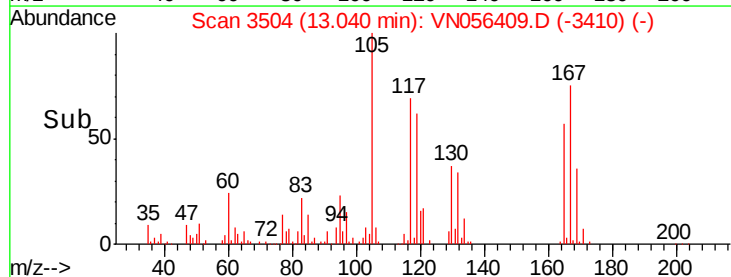
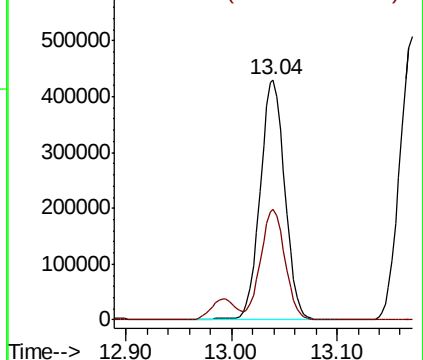


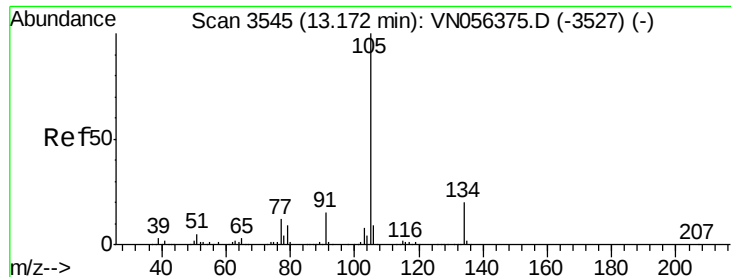
#84
1,2,4-Trimethylbenzene
Concen: 47.581 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056409.D
Acq: 20 Jun 2019 17:47

Tgt Ion:105 Resp: 702702
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.8



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

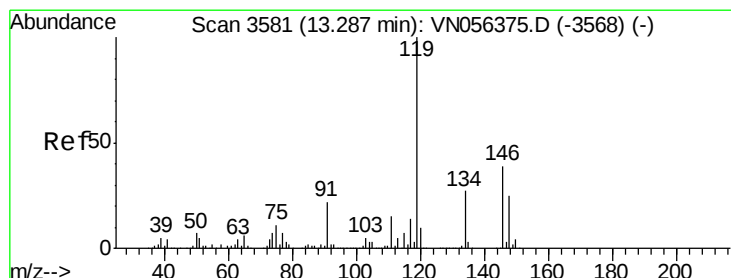
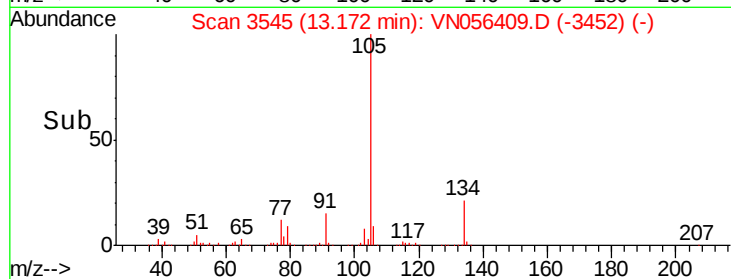
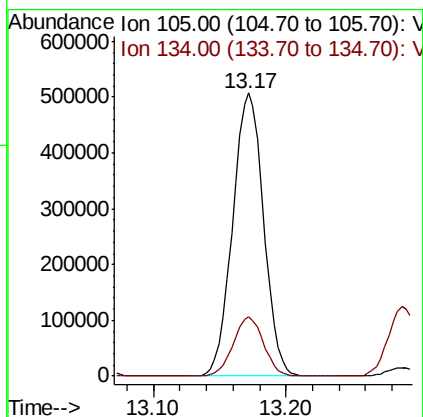
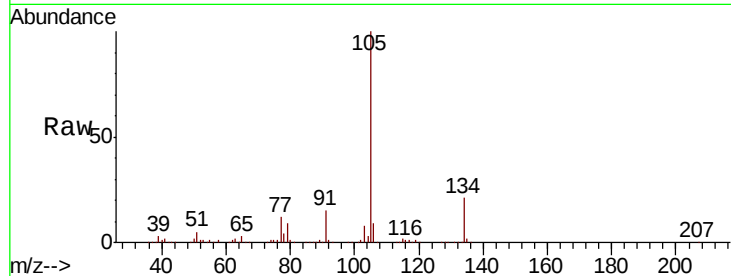




#85
 sec-Butylbenzene
 Concen: 46.354 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

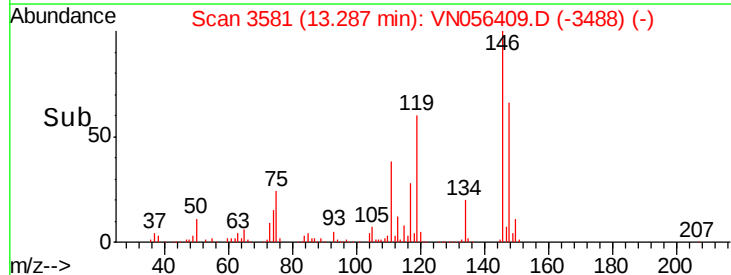
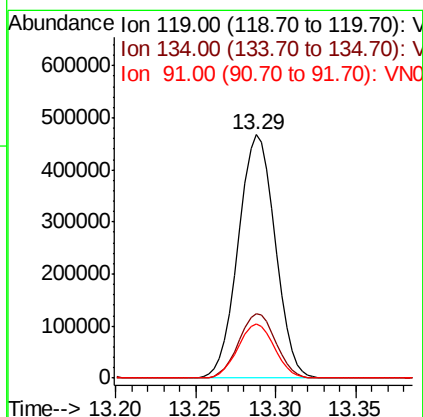
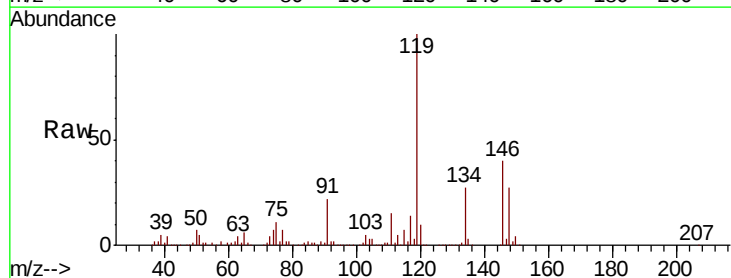
Instrument :
 MSVOA_N
 ClientSampleId :

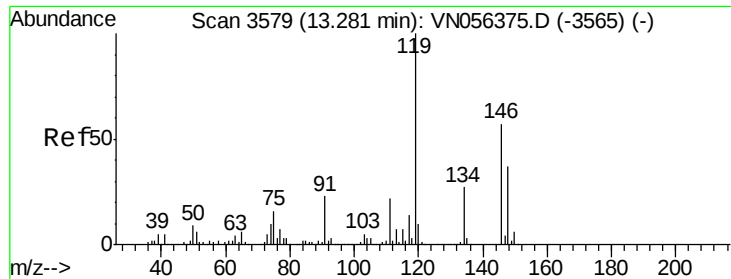
Tot Ion:105 Resp: 818511
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 48.340 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion:119 Resp: 732544
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 22.1 11.2 33.5

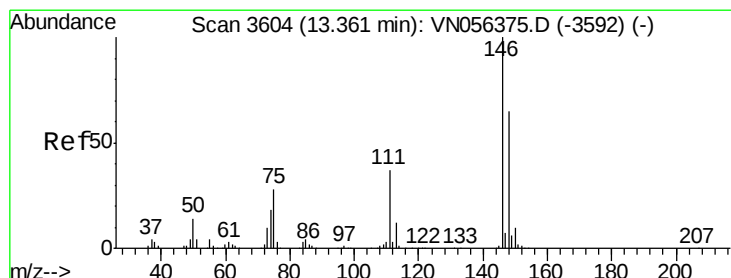
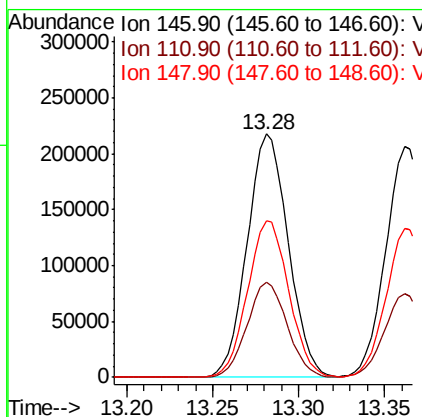
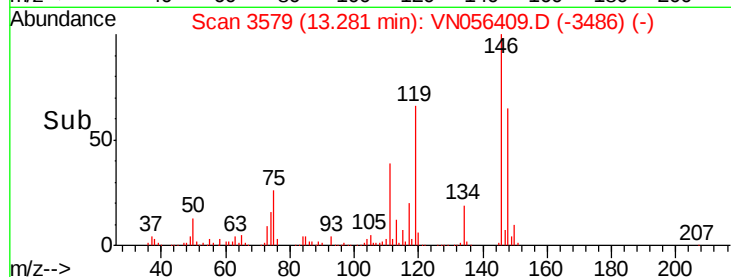
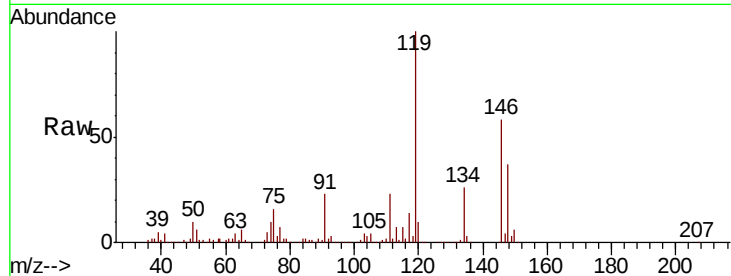




#87
 1,3-Dichlorobenzene
 Concen: 48.617 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

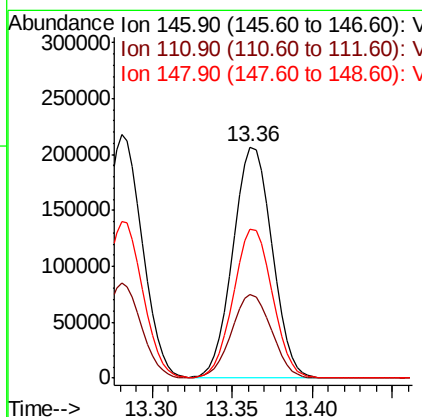
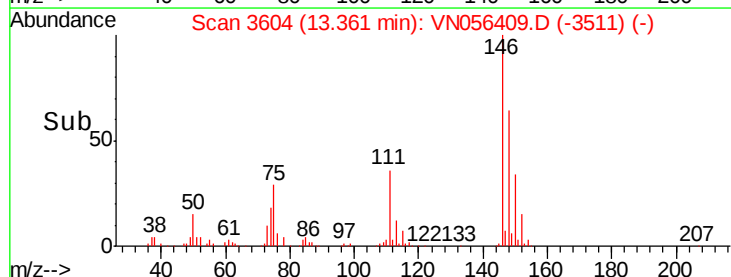
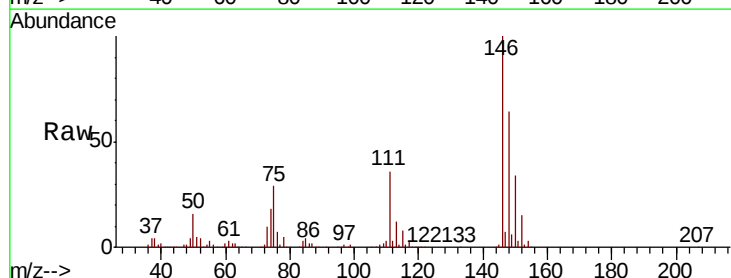
Instrument :
 MSVOA_N
 ClientSampled :

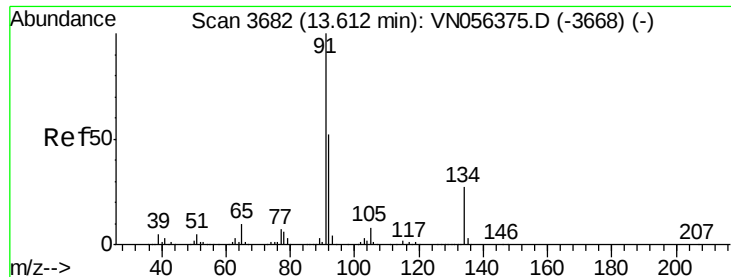
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.974 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.4
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 48.719 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

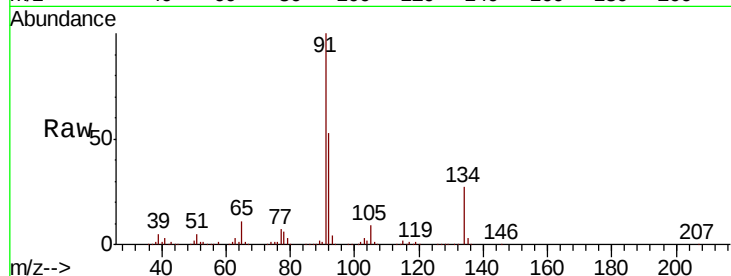
Tot Ion: 91 Resp: 558911

Ion Ratio Lower Upper

91 100

92 52.8 26.2 78.5

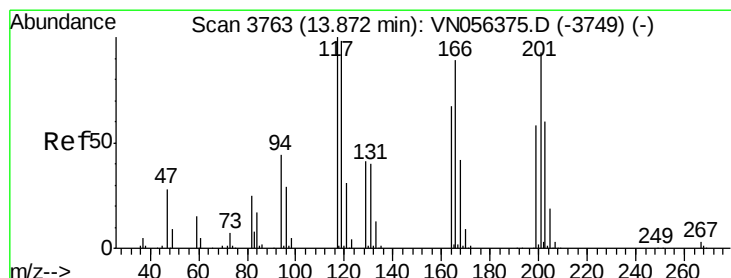
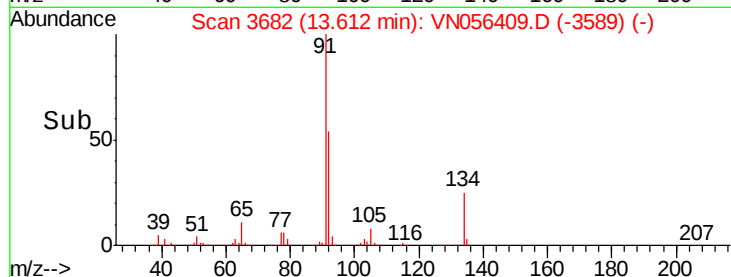
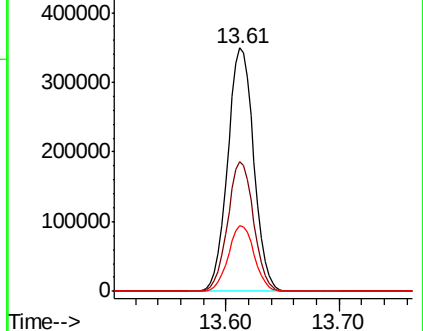
134 27.0 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056409.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN056409.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN056409.D (-3589) (-)



#90

Hexachloroethane

Concen: 47.015 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056409.D

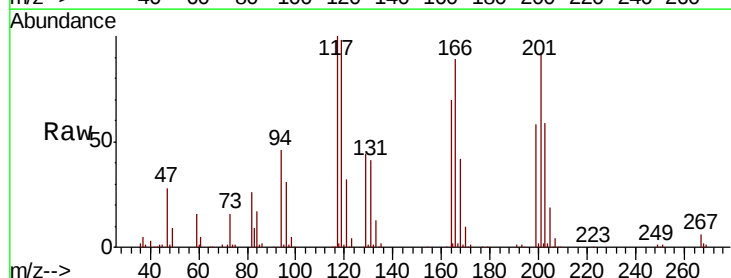
Acq: 20 Jun 2019 17:47

Tgt Ion: 117 Resp: 111078

Ion Ratio Lower Upper

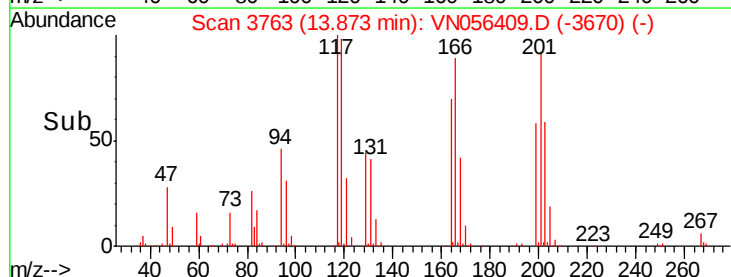
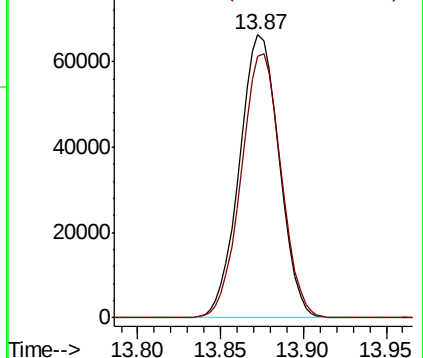
117 100

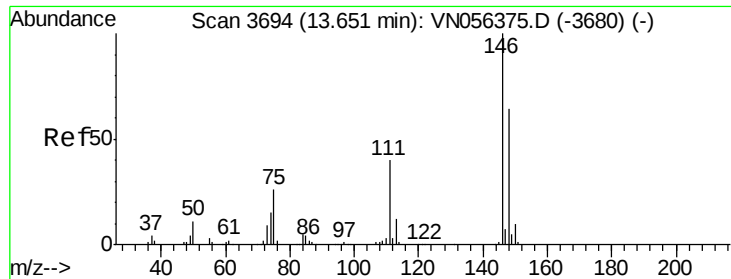
201 93.4 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056409.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN056409.D (-3670) (-)

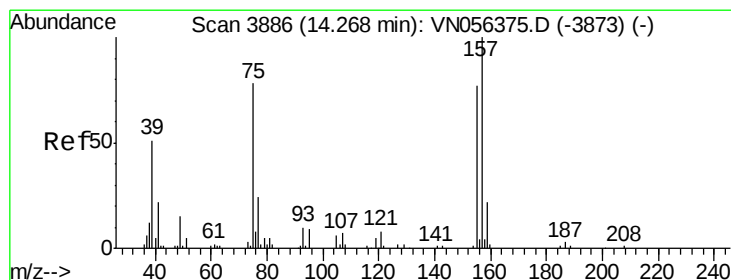
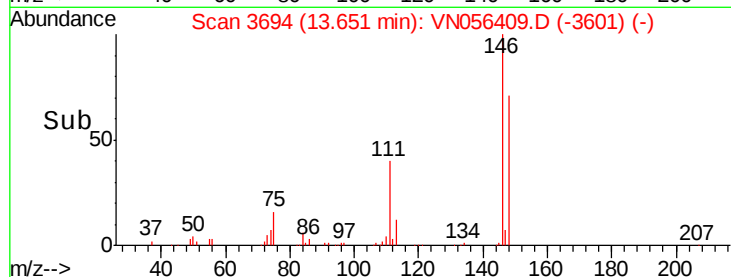
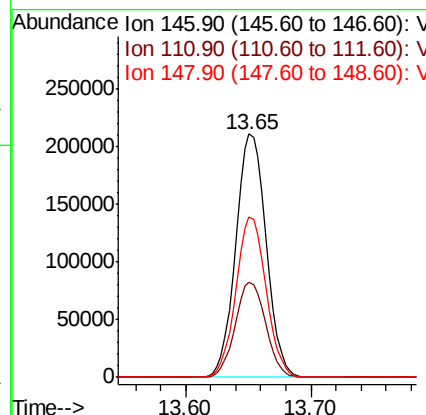
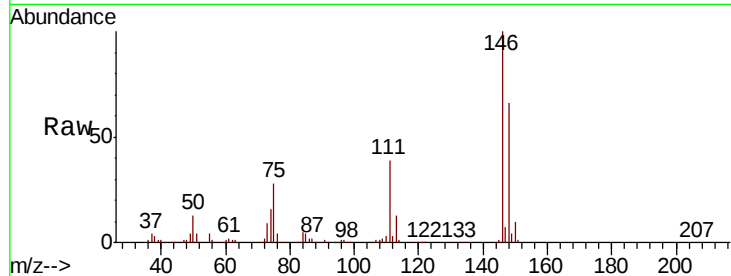




#91
 1,2-Dichlorobenzene
 Concen: 48.125 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

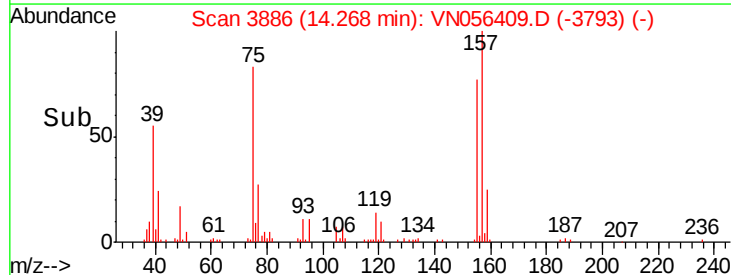
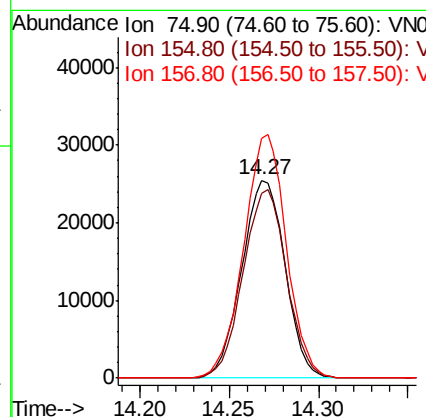
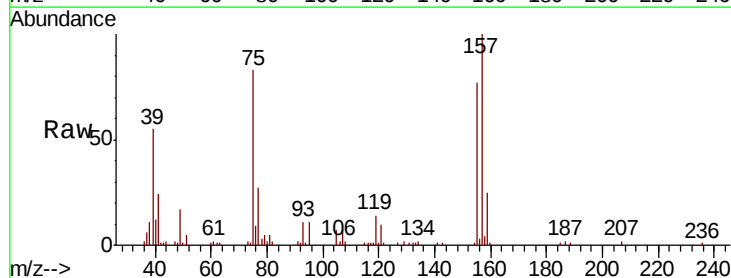
Instrument :
 MSVOA_N
 ClientSampled :

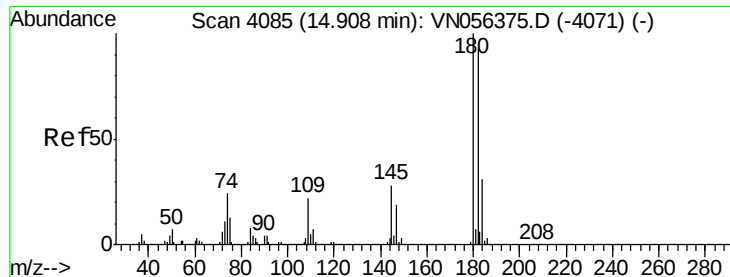
Tot Ion:146 Resp: 354944
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.3 57.9
 148 65.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.246 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion: 75 Resp: 43222
 Ion Ratio Lower Upper
 75 100
 155 95.2 48.9 146.8
 157 121.0 62.9 188.8

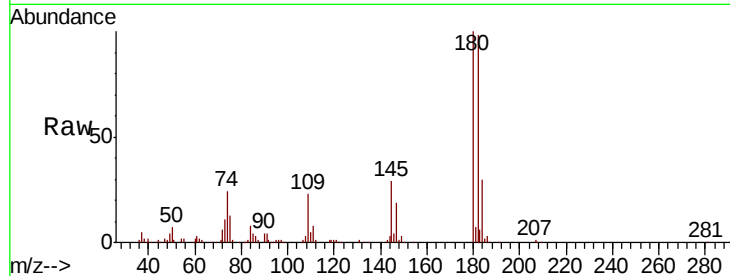




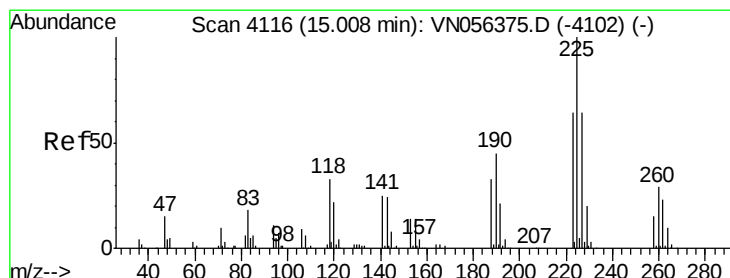
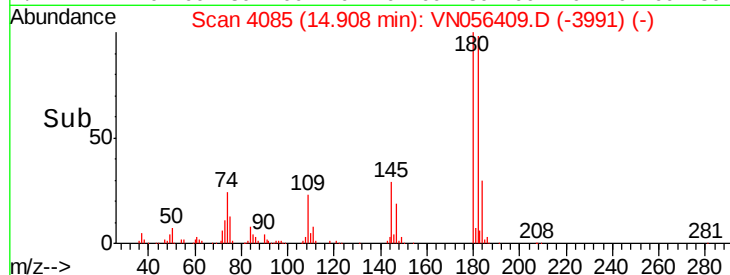
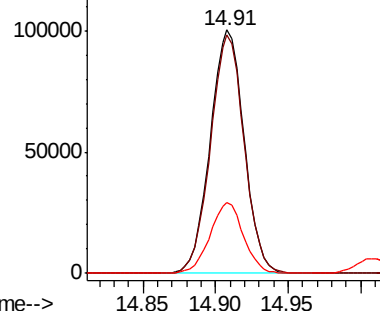
#93
 1,2,4-Trichlorobenzene
 Concen: 43.178 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	46.9	140.6
145	28.7	14.4	43.0

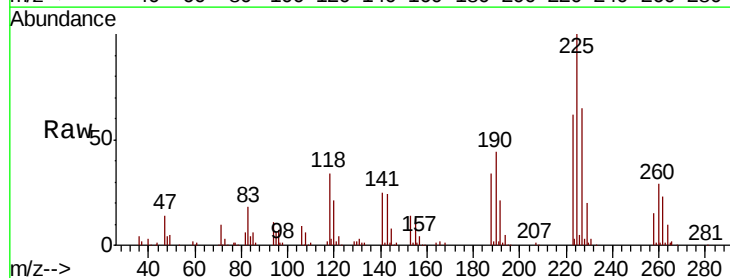


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

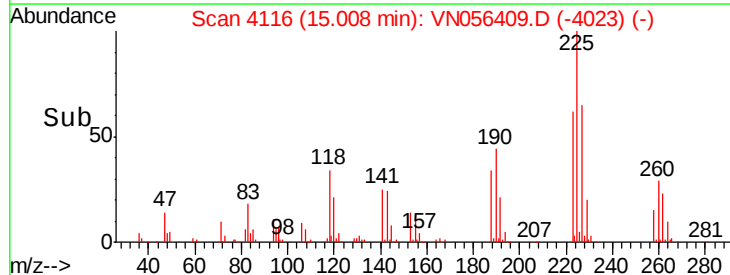
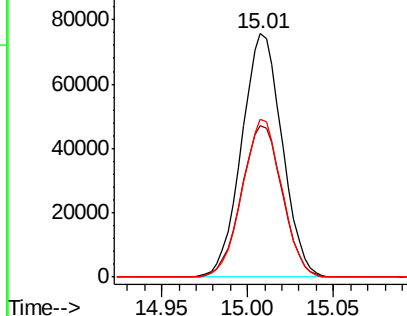


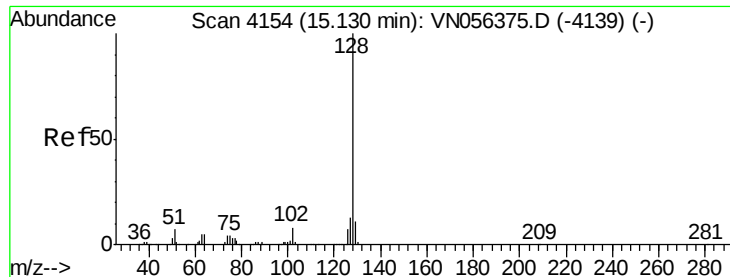
#94
 Hexachlorobutadiene
 Concen: 49.444 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056409.D
 Acq: 20 Jun 2019 17:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.3
227	63.3	32.1	96.3



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: 45.230 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

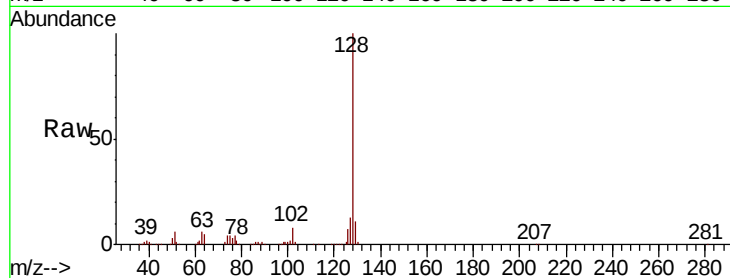
Tot Ion:128 Resp: 448412

Ion Ratio Lower Upper

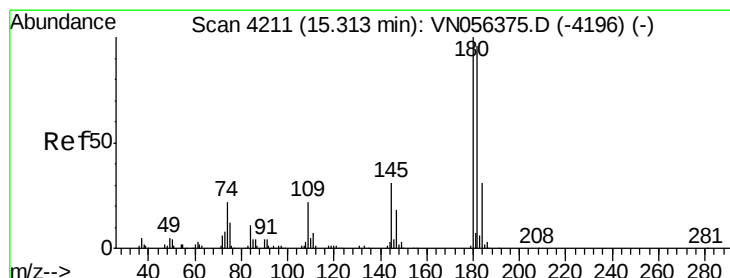
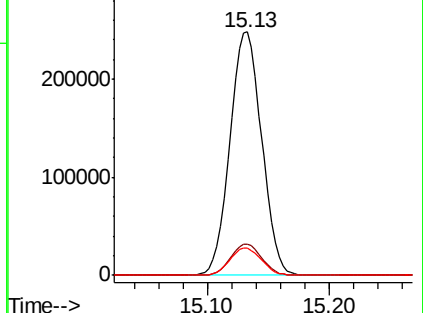
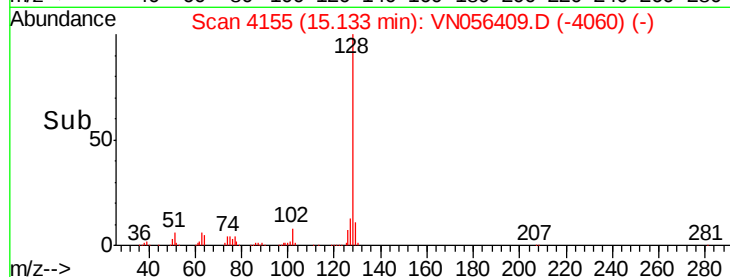
128 100

127 12.8 10.2 15.2

129 11.2 8.6 12.8



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: 45.134 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056409.D

Acq: 20 Jun 2019 17:47

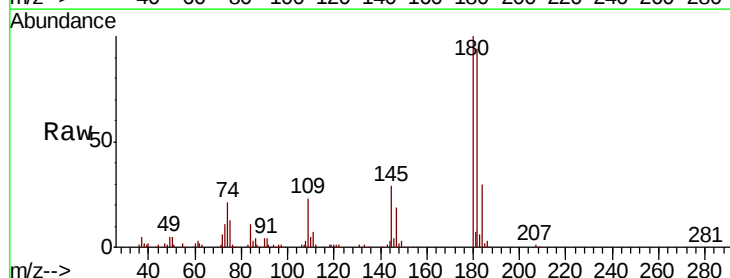
Tgt Ion:180 Resp: 177716

Ion Ratio Lower Upper

180 100

182 94.6 48.3 144.8

145 29.5 15.4 46.1



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

