

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053089.D
 Acq On : 21 Dec 2018 6:36
 Operator : MD\SY
 Sample : J6519-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 07:13:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	959905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1504751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1345965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	648661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	530838	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	7.59	113	451745	65.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.44%	
50) Toluene-d8	10.09	98	1887514	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	670869	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	416225	42.844	ug/l	99
3) Chloromethane	2.06	50	551812	46.873	ug/l	100
4) Vinyl Chloride	2.19	62	551974	46.296	ug/l	100
5) Bromomethane	2.57	94	314076	38.021	ug/l	98
6) Chloroethane	2.71	64	336618	47.671	ug/l	99
7) Trichlorofluoromethane	3.03	101	705592	47.506	ug/l	99
8) Diethyl Ether	3.41	74	292450	52.192	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	432629	45.684	ug/l	98
10) Methyl Iodide	3.96	142	583741	43.894	ug/l	99
11) Tert butyl alcohol	4.78	59	170808	287.376	ug/l	97
12) 1,1-Dichloroethene	3.74	96	441007	48.202	ug/l	98
13) Acrolein	3.61	56	112713	209.138	ug/l	98
14) Allyl chloride	4.33	41	683625	48.238	ug/l	98
15) Acrylonitrile	4.99	53	877163	265.644	ug/l	100
16) Acetone	3.82	43	587816	307.766	ug/l	96
17) Carbon Disulfide	4.06	76	1298311	43.513	ug/l	100
18) Methyl Acetate	4.33	43	468953	54.016	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1874630	76.566	ug/l	100
20) Methylene Chloride	4.55	84	521956	50.099	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	492694	50.122	ug/l	98
22) Diisopropyl ether	5.95	45	1616682	53.444	ug/l	98
23) Vinyl Acetate	5.90	43	4950311	284.590	ug/l	98
24) 1,1-Dichloroethane	5.85	63	921450	51.262	ug/l	99
25) 2-Butanone	6.83	43	912521	284.686	ug/l	98
26) 2,2-Dichloropropane	6.83	77	505413	36.833	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	566369	50.893	ug/l	98
28) Bromochloromethane	7.20	49	414845	53.260	ug/l	94
29) Tetrahydrofuran	7.21	42	644566	269.244	ug/l	97
30) Chloroform	7.37	83	903634	51.174	ug/l	100
31) Cyclohexane	7.66	56	814106	48.253	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	740046	49.197	ug/l	99
36) 1,1-Dichloropropene	7.80	75	681436	47.181	ug/l	100
37) Ethyl Acetate	6.93	43	432359	53.624	ug/l	98
38) Carbon Tetrachloride	7.78	117	634013	47.892	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	769756	43.872	ug/l	98
40) Benzene	8.04	78	2190151	50.981	ug/l	99
41) Methacrylonitrile	7.17	41	250979	53.874	ug/l	96
42) 1,2-Dichloroethane	8.13	62	632779	49.859	ug/l	99
43) Isopropyl Acetate	8.17	43	827549	53.103	ug/l	99
44) Trichloroethene	8.84	130	567745	45.691	ug/l	98
45) 1,2-Dichloropropane	9.12	63	565529	50.539	ug/l	100
46) Dibromomethane	9.21	93	326406	50.073	ug/l	98
47) Bromodichloromethane	9.40	83	691518	49.906	ug/l	100
48) Methyl methacrylate	9.20	41	403629	51.589	ug/l	99
49) 1,4-Dioxane	9.20	88	101955	1030.172	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2190180	280.498	ug/l	99
52) Toluene	10.16	92	1312951	49.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	689759	47.339	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	797691	47.695	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	480434	51.717	ug/l	99
56) Ethyl methacrylate	10.43	69	668805	54.393	ug/l	97
57) 1,3-Dichloropropane	10.71	76	806513	50.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1742902	258.194	ug/l	98
59) 2-Hexanone	10.75	43	1469472	278.158	ug/l	99
60) Dibromochloromethane	10.90	129	530260	49.866	ug/l	100
61) 1,2-Dibromoethane	11.01	107	476825	50.540	ug/l	100
64) Tetrachloroethene	10.63	164	579562	39.751	ug/l	98
65) Chlorobenzene	11.43	112	1451181	48.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516304	49.762	ug/l	99
67) Ethyl Benzene	11.51	91	2500628	48.735	ug/l	100
68) m/p-Xylenes	11.62	106	1888515	96.817	ug/l	100
69) o-Xylene	11.95	106	938744	50.153	ug/l	100
70) Styrene	11.97	104	1541859	50.518	ug/l	100
71) Bromoform	12.13	173	363949	48.556	ug/l #	100
73) Isopropylbenzene	12.25	105	2699382	53.188	ug/l	100
74) N-amyl acetate	12.07	43	833271	59.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	561127	56.356	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	713725	65.362	ug/l #	100
77) Bromobenzene	12.53	156	688935	52.221	ug/l	91
78) n-propylbenzene	12.59	91	3117832	53.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	1646386	45.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1976850	47.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147292	43.476	ug/l	97
82) 4-Chlorotoluene	12.77	91	1700179	48.476	ug/l	100
83) tert-Butylbenzene	12.99	119	1734898	47.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2021611	48.613	ug/l	99
85) sec-Butylbenzene	13.17	105	2407341	48.647	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995033	46.657	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1118026	47.882	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1112327	47.041	ug/l	100
89) n-Butylbenzene	13.62	91	1673577	45.494	ug/l	99
90) Hexachloroethane	13.88	117	348104	53.050	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1072317	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85493	49.659	ug/l	96

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Response via : Initial Calibration

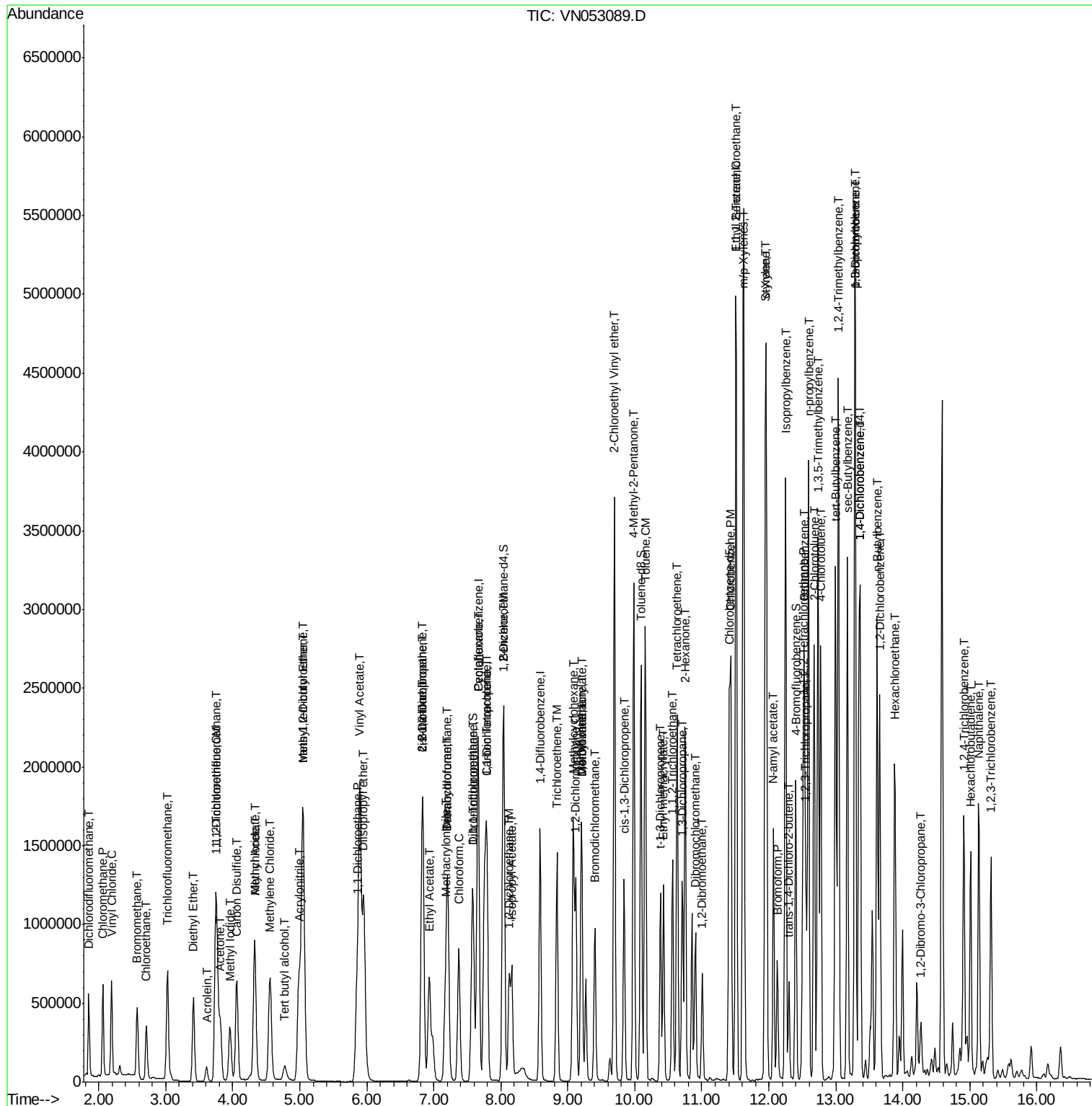
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	568011	48.802	ug/l	97
94) Hexachlorobutadiene	15.01	225	305226	50.671	ug/l	99
95) Naphthalene	15.13	128	1549176	60.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	523795	49.961	ug/l	98

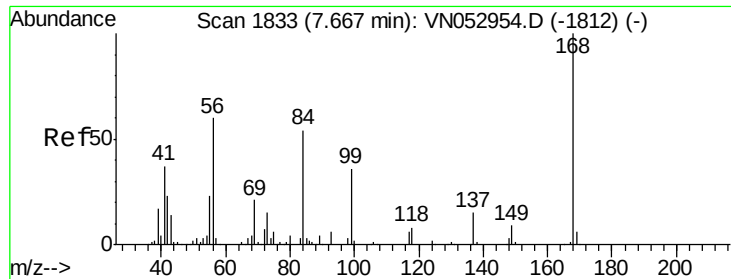
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

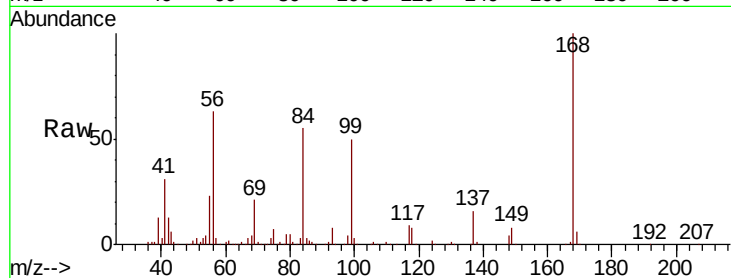
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 959905

Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

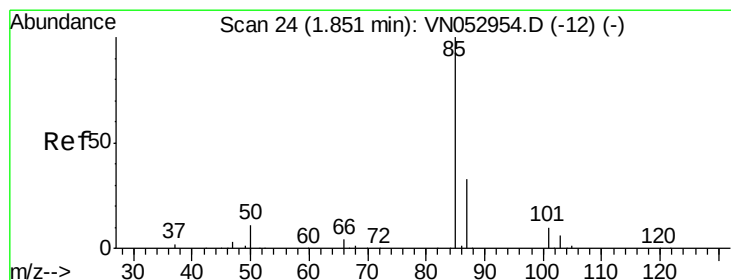
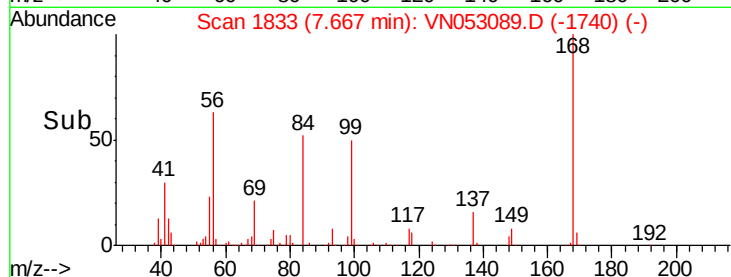
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.844 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053089.D

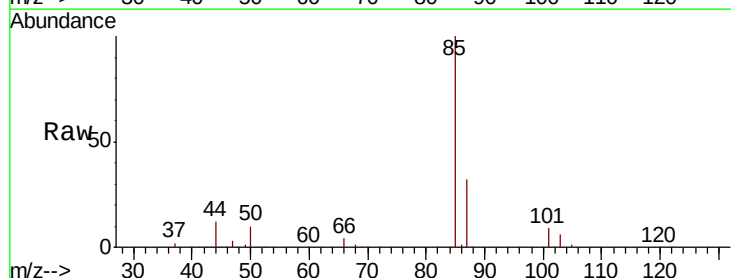
Acq: 21 Dec 2018 6:36

Tgt Ion: 85 Resp: 416225

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

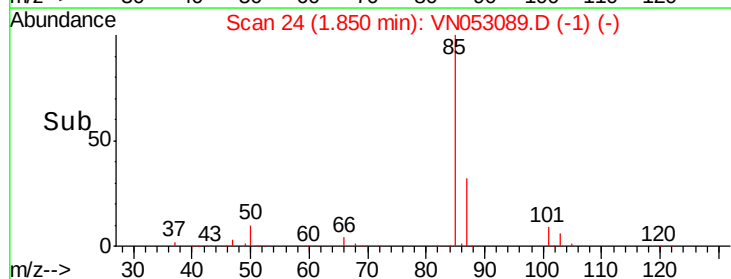
300000

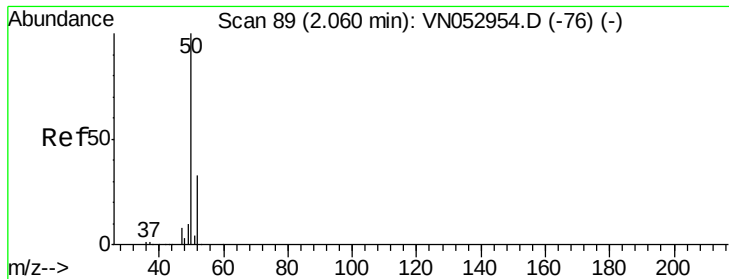
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.873 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

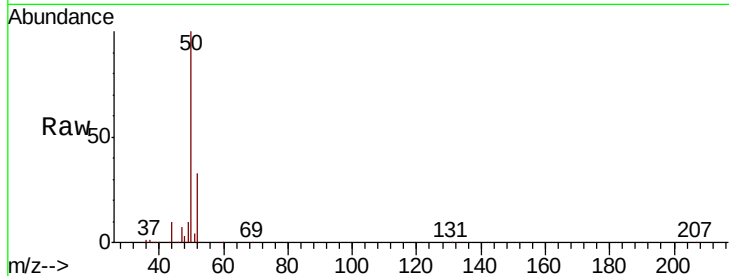
ClientSampled :

Tot Ion: 50 Resp: 551812

Ion Ratio Lower Upper

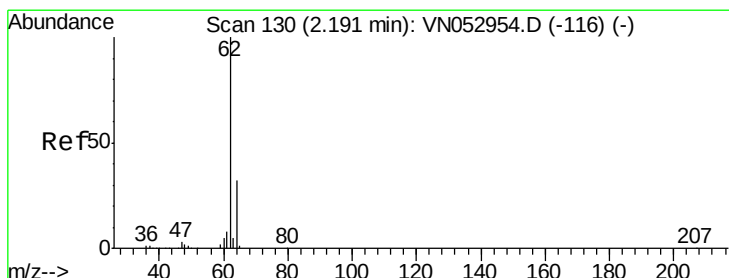
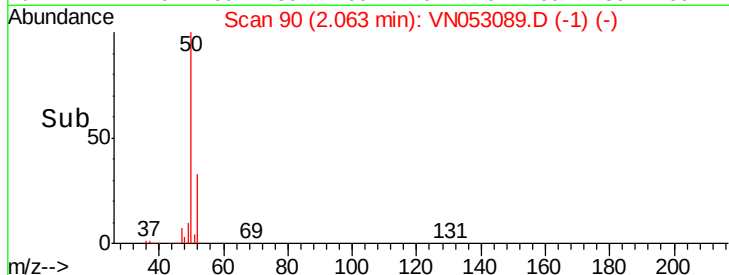
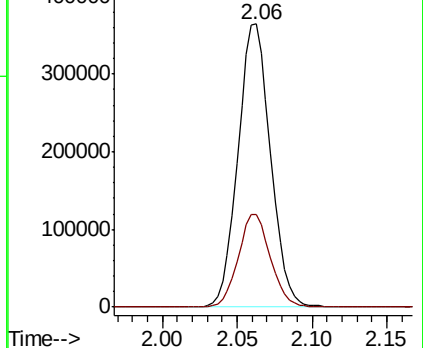
50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN053089.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN053089.D (-1) (-)



#4

Vinyl Chloride

Concen: 46.296 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053089.D

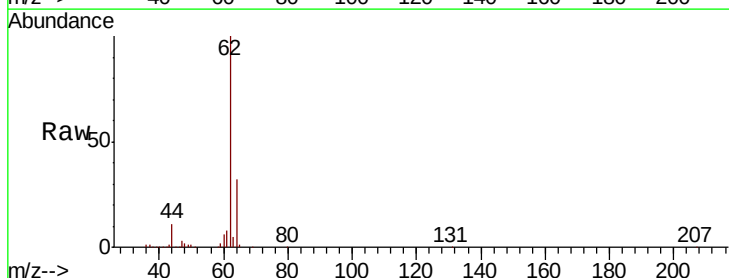
Acq: 21 Dec 2018 6:36

Tgt Ion: 62 Resp: 551974

Ion Ratio Lower Upper

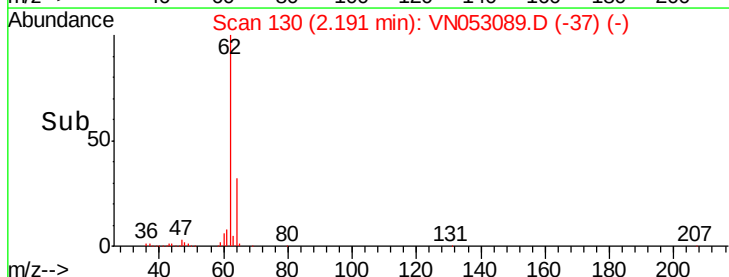
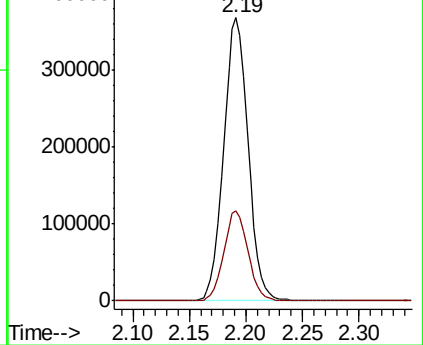
62 100

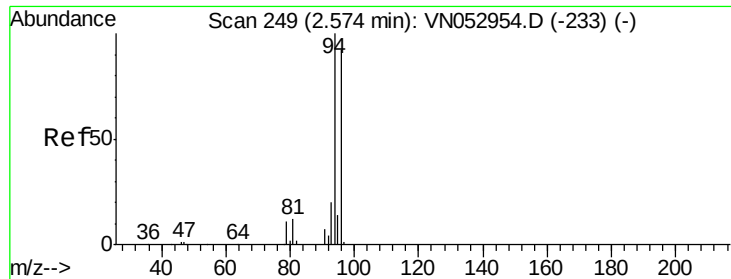
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN053089.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN053089.D (-37) (-)





#5

Bromomethane

Concen: 38.021 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

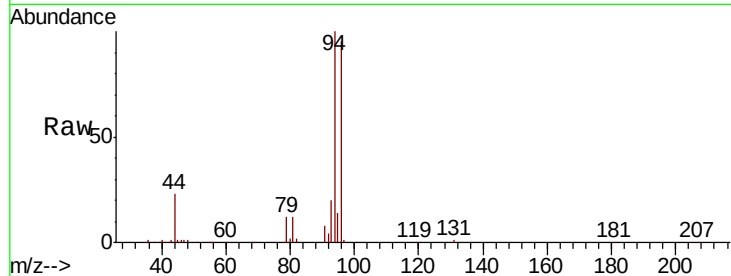
ClientSampled :

Tot Ion: 94 Resp: 314076

Ion Ratio Lower Upper

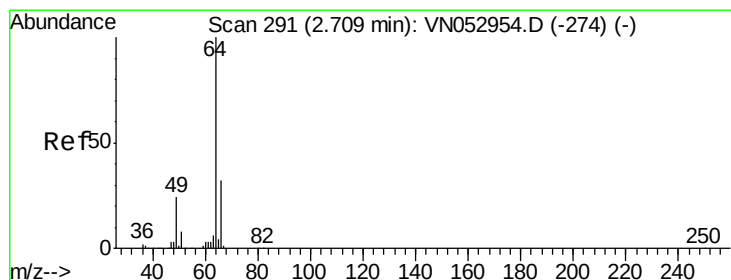
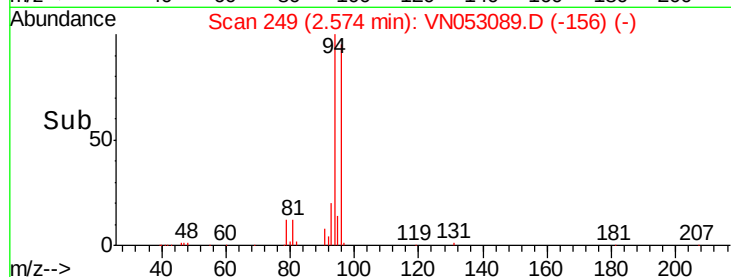
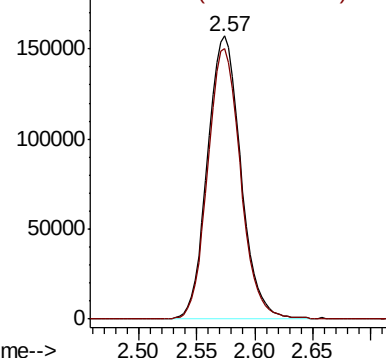
94 100

96 95.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.671 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053089.D

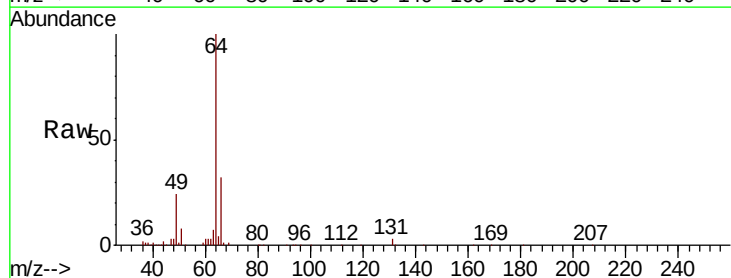
Acq: 21 Dec 2018 6:36

Tgt Ion: 64 Resp: 336618

Ion Ratio Lower Upper

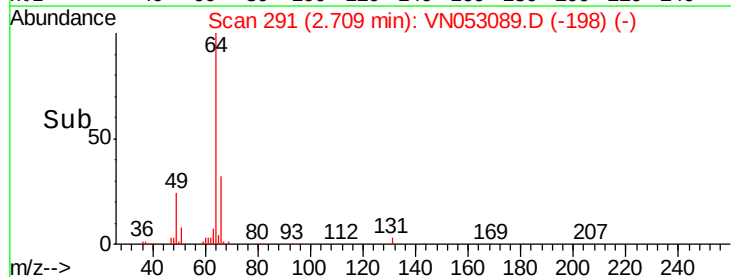
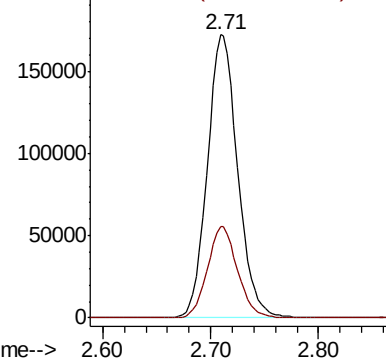
64 100

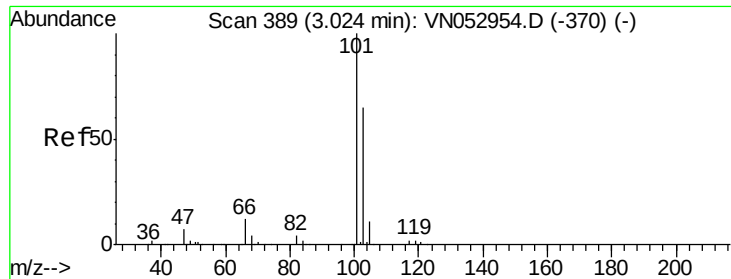
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



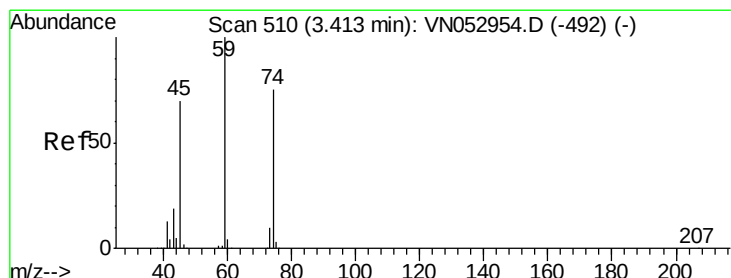
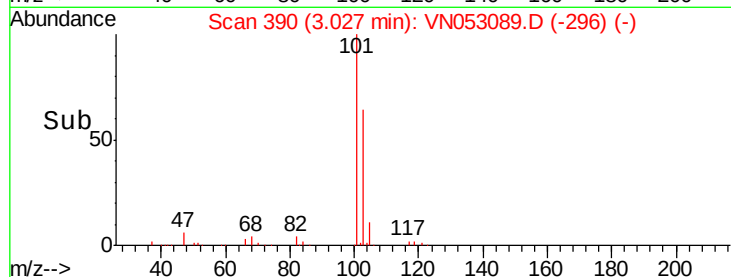
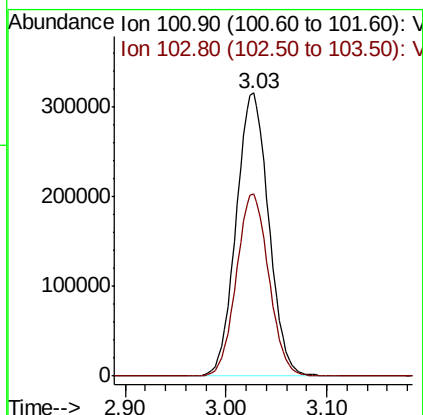
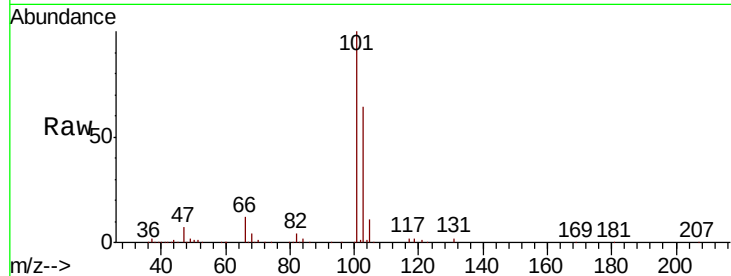


#7

Trichlorofluoromethane
 Concen: 47.506 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampled :

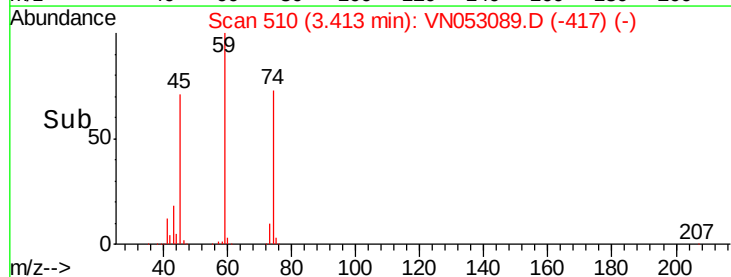
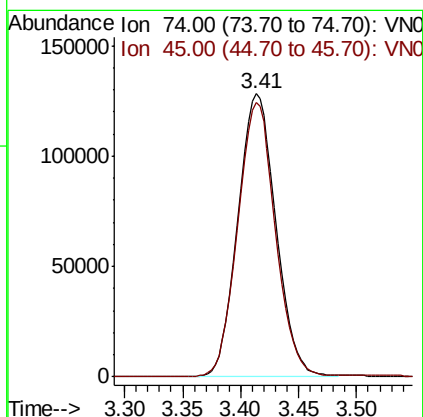
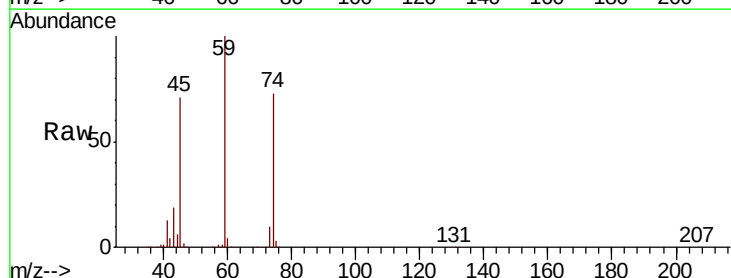
Tot Ion:101 Resp: 705592
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

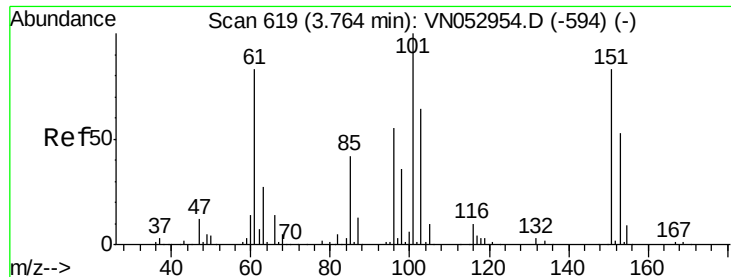


#8

Diethyl Ether
 Concen: 52.192 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 74 Resp: 292450
 Ion Ratio Lower Upper
 74 100
 45 95.9 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.684 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

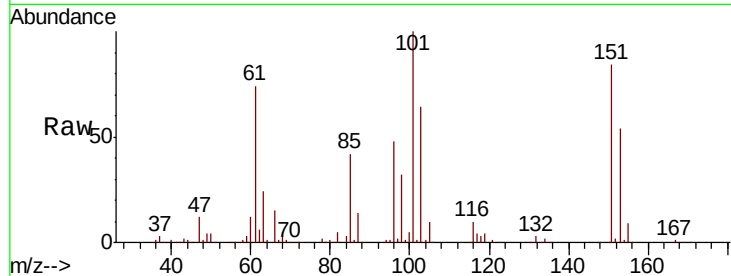
Tot Ion:101 Resp: 432629

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

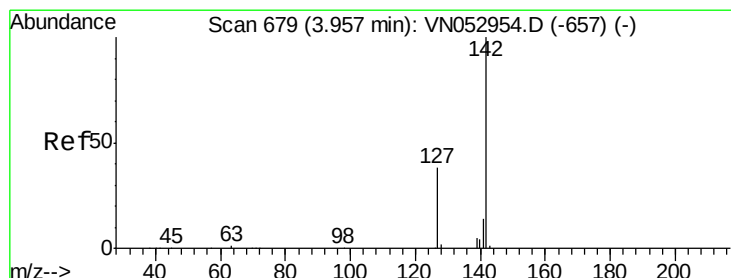
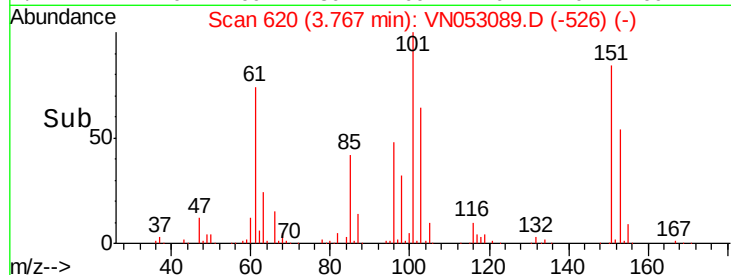
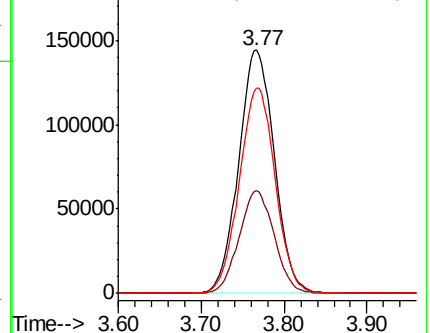
151 84.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.894 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

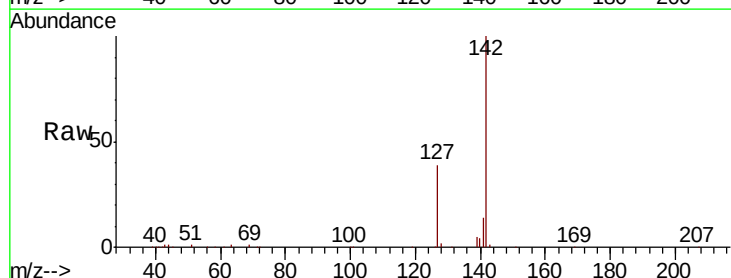
Tgt Ion:142 Resp: 583741

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.6

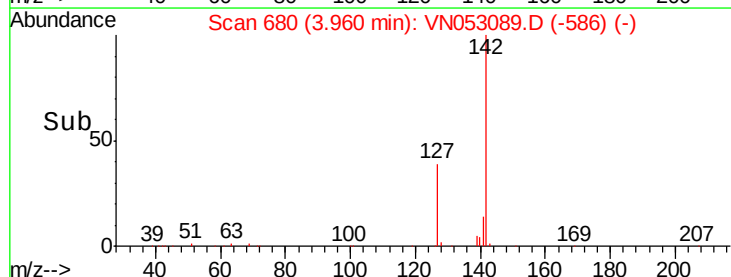
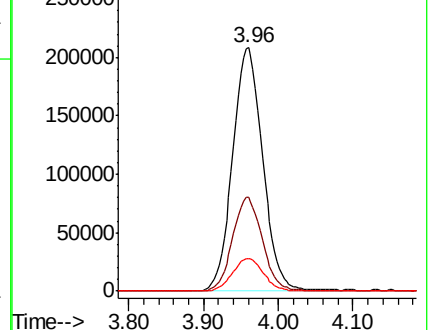
141 13.8 11.2 16.8

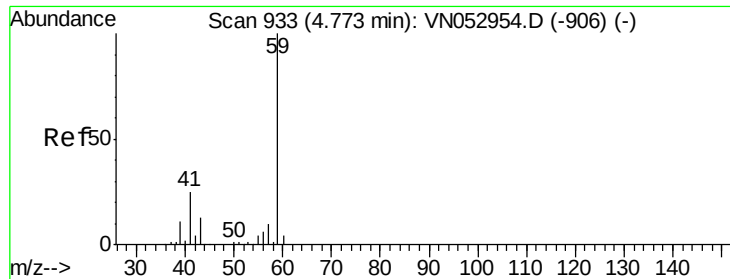


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

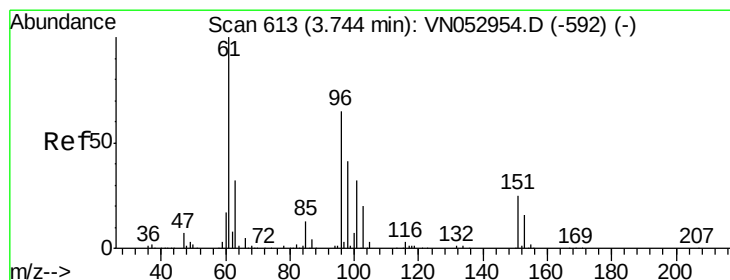
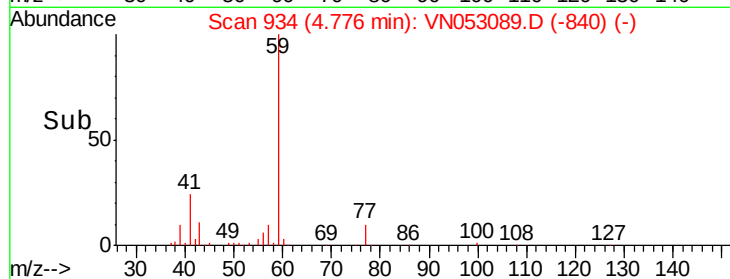
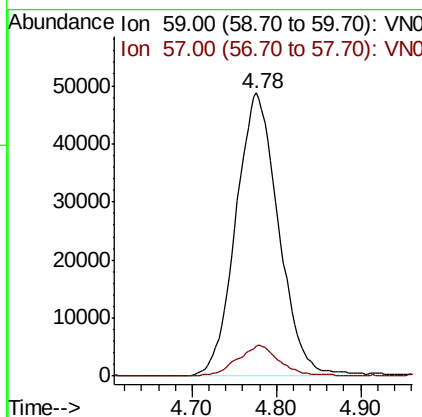
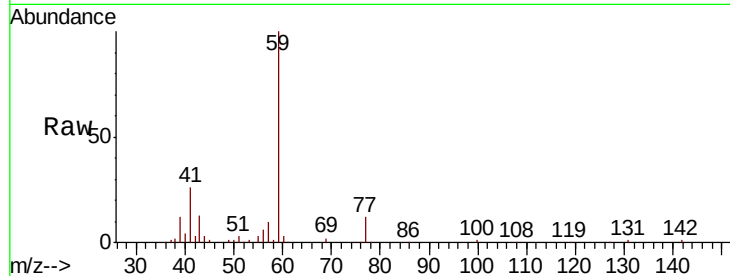




#11
Tert butyl alcohol
Concen: 287.376 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

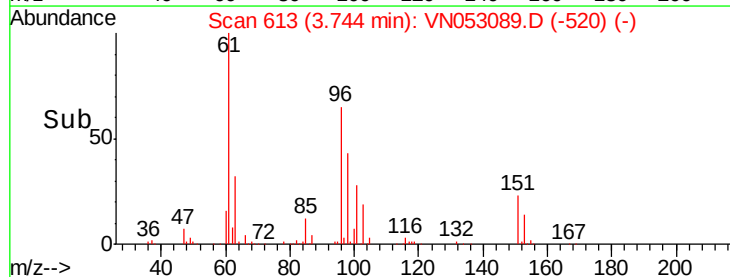
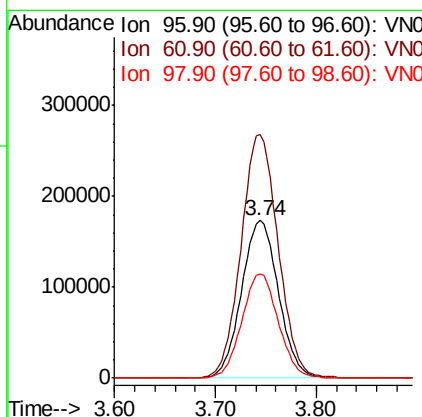
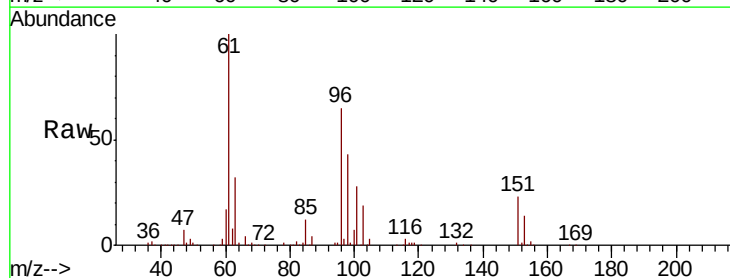
Instrument :
MSVOA_N
ClientSampled :

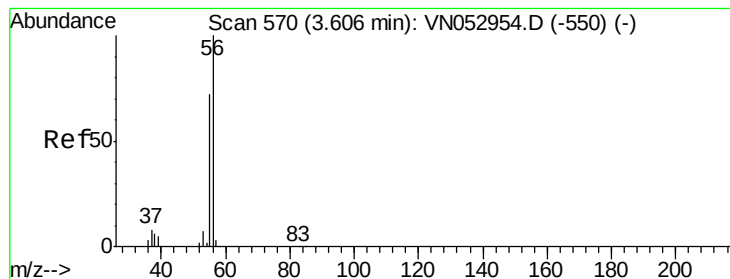
Tot Ion: 59 Resp: 170808
Ion Ratio Lower Upper
59 100
57 10.8 7.7 11.5



#12
1,1-Dichloroethene
Concen: 48.202 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 96 Resp: 441007
Ion Ratio Lower Upper
96 100
61 154.6 125.6 188.4
98 66.3 50.6 75.8





#13

Acrolein

Concen: 209.138 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

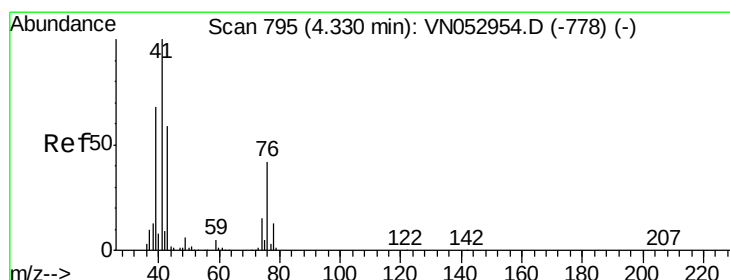
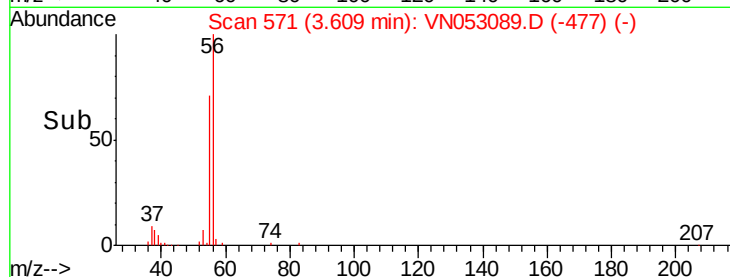
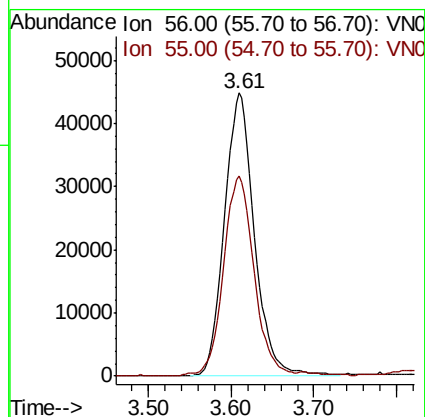
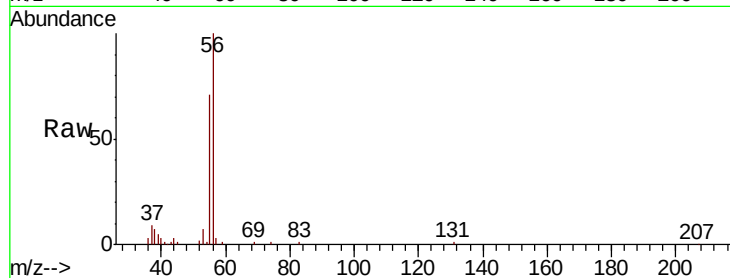
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 112713

Ion Ratio Lower Upper

56 100

55 72.0 56.6 85.0



#14

Allyl chloride

Concen: 48.238 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

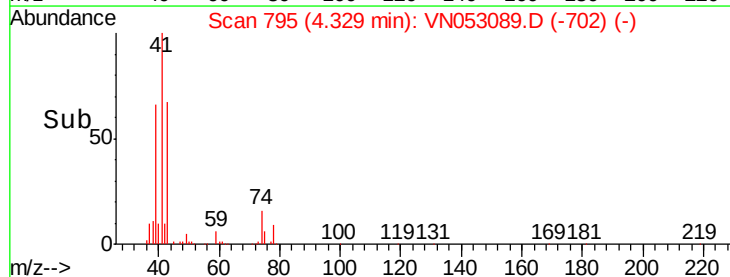
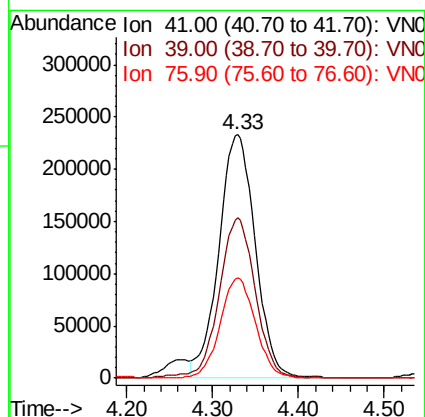
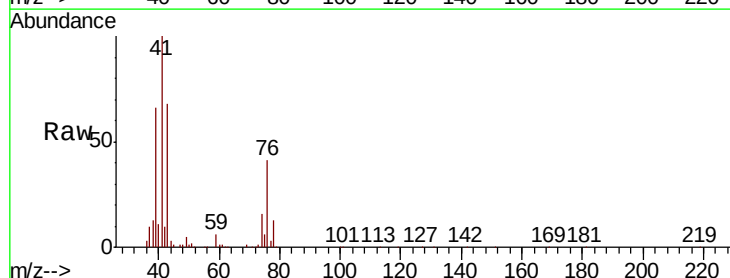
Tgt Ion: 41 Resp: 683625

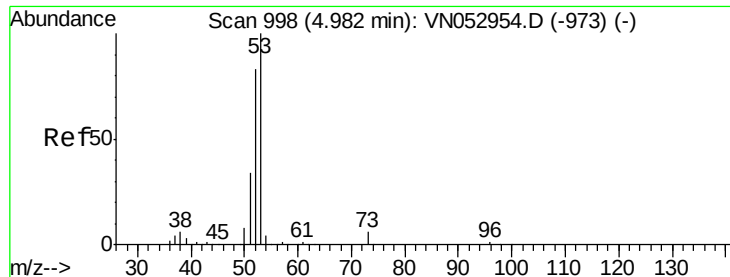
Ion Ratio Lower Upper

41 100

39 65.7 54.1 81.1

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 265.644 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :

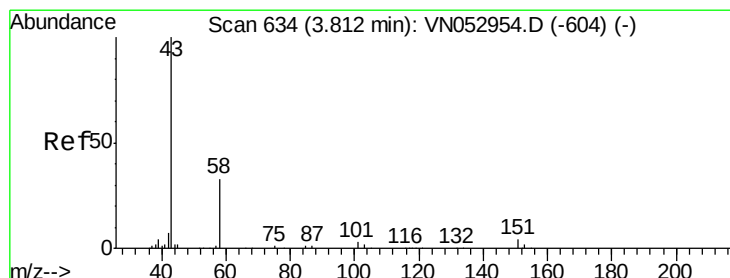
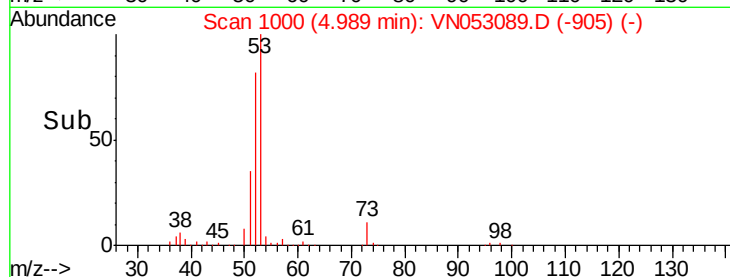
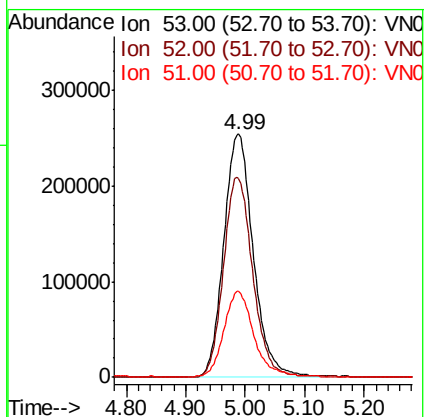
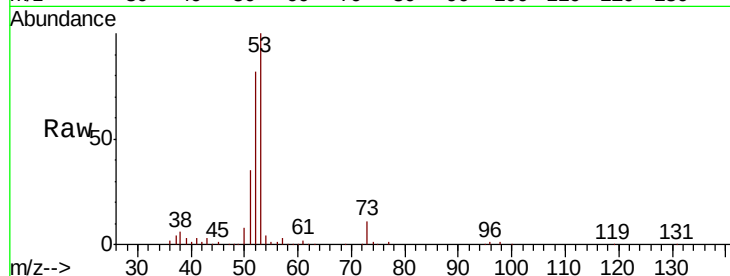
Tot Ion: 53 Resp: 877163

Ion Ratio Lower Upper

53 100

52 81.1 65.1 97.7

51 35.0 28.1 42.1



#16

Acetone

Concen: 307.766 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053089.D

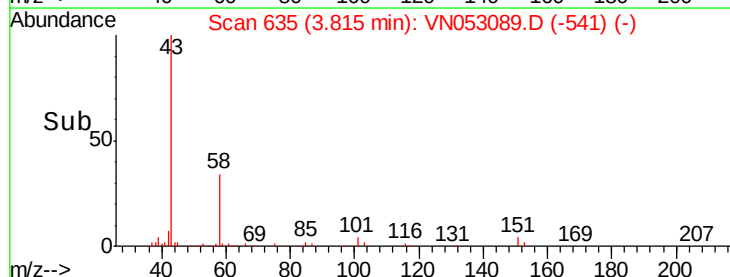
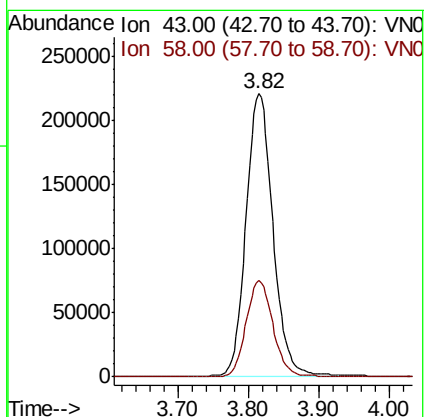
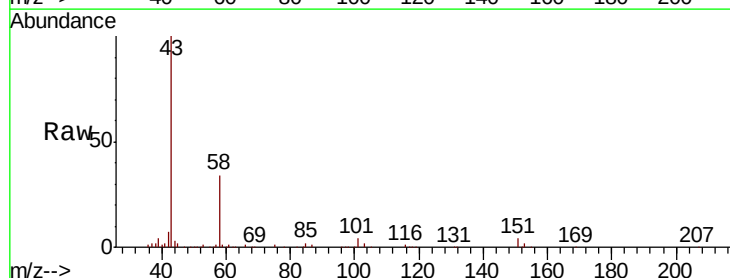
Acq: 21 Dec 2018 6:36

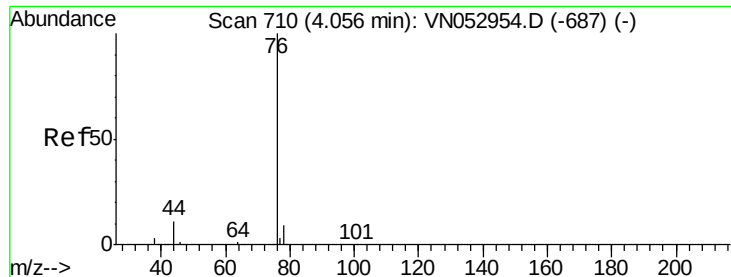
Tgt Ion: 43 Resp: 587816

Ion Ratio Lower Upper

43 100

58 33.8 25.4 38.0





#17

Carbon Disulfide

Concen: 43.513 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

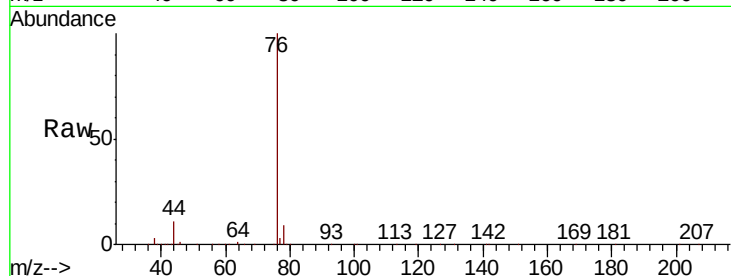
ClientSampled :

Tot Ion: 76 Resp: 1298311

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

500000

400000

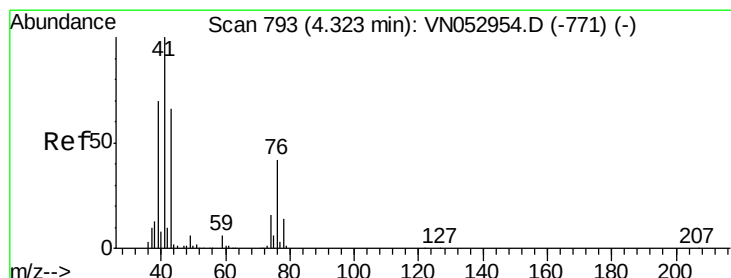
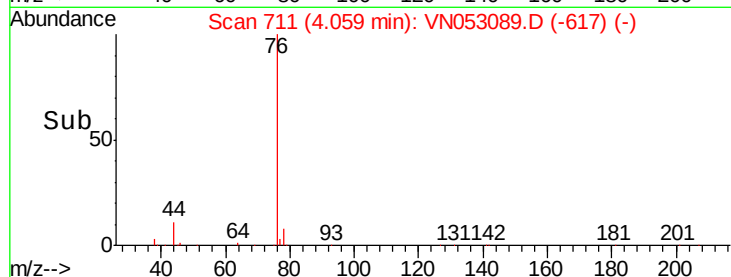
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 54.016 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053089.D

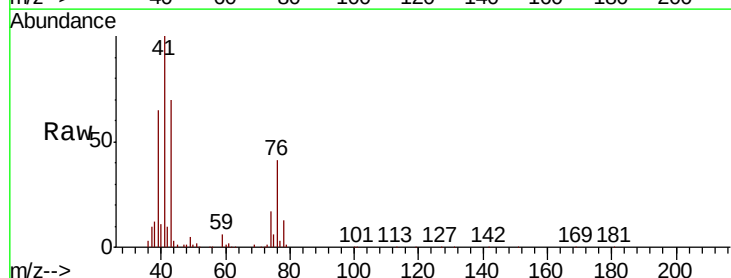
Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 468953

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

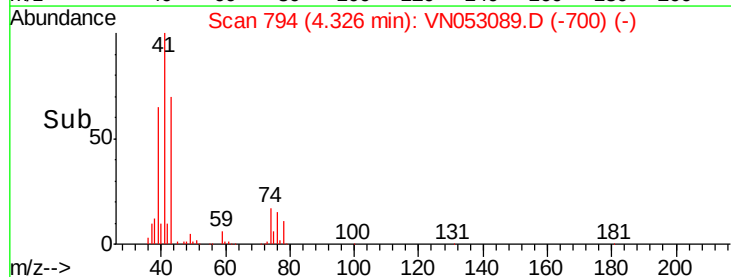
150000

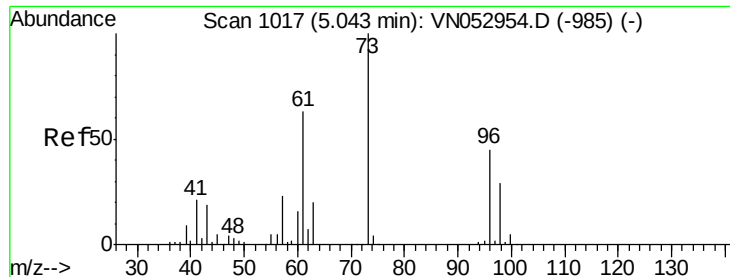
100000

50000

0

Time--> 4.20 4.30 4.40 4.50



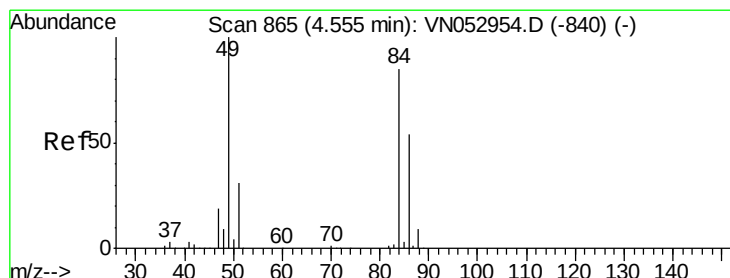
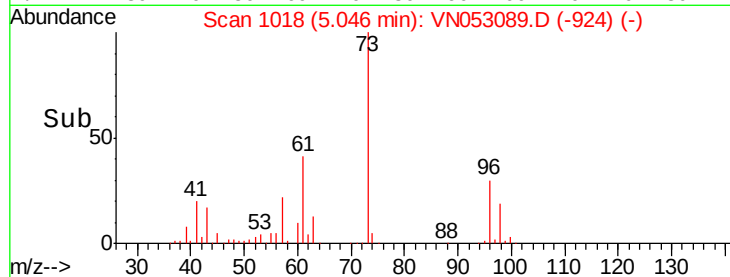
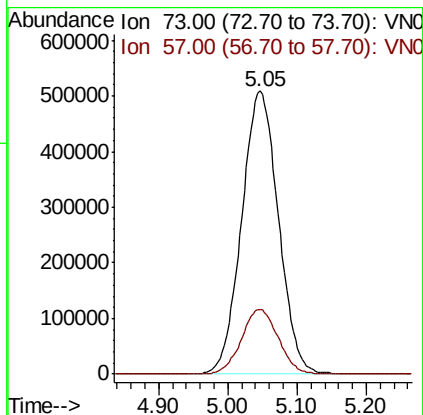
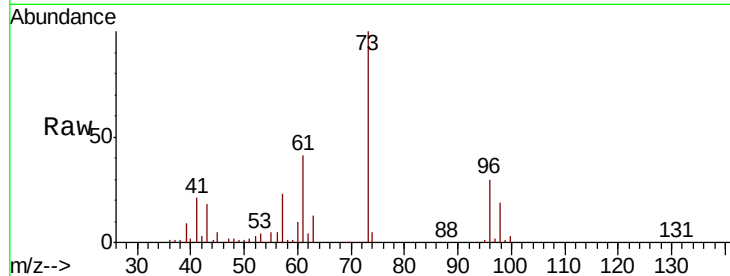


#19

Methyl tert-butyl Ether
 Concen: 76.566 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampled :

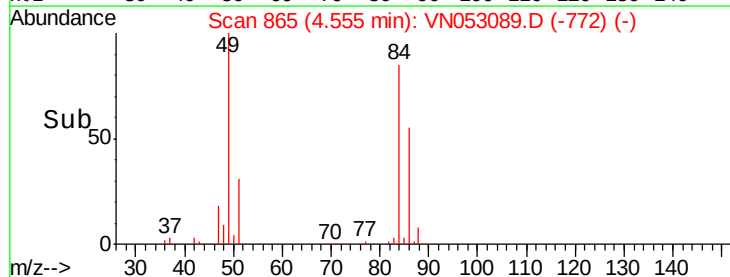
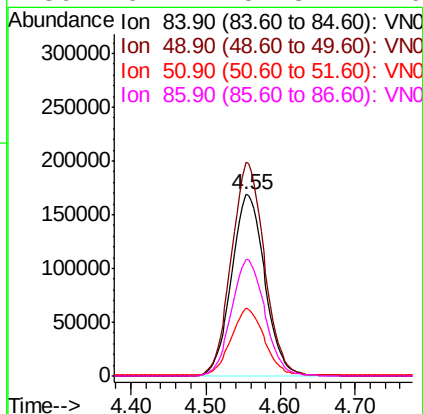
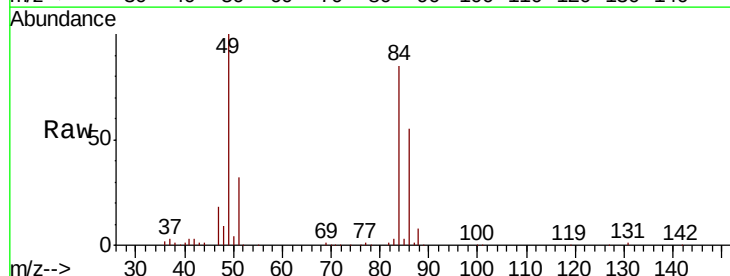
Tot Ion: 73 Resp: 1874630
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.4 27.6

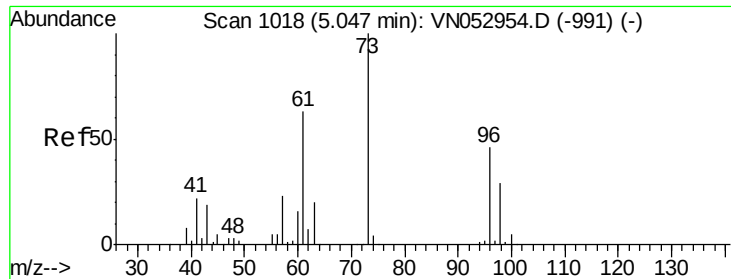


#20

Methylene Chloride
 Concen: 50.099 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 84 Resp: 521956
 Ion Ratio Lower Upper
 84 100
 49 117.6 96.8 145.2
 51 36.5 29.9 44.9
 86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.122 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampled :

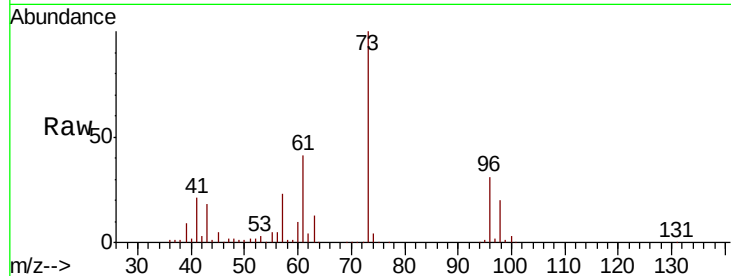
Tot Ion: 96 Resp: 492694

Ion Ratio Lower Upper

96 100

61 134.6 110.8 166.2

98 63.9 51.4 77.2

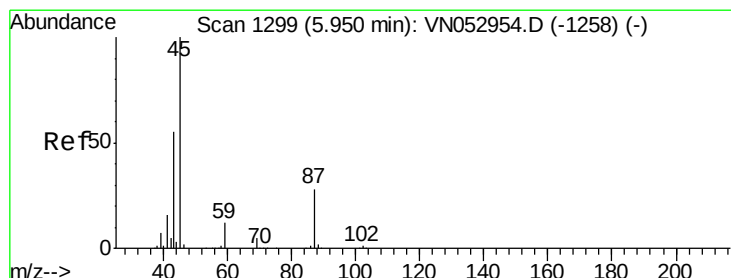
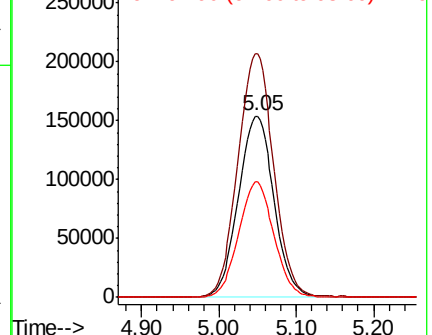
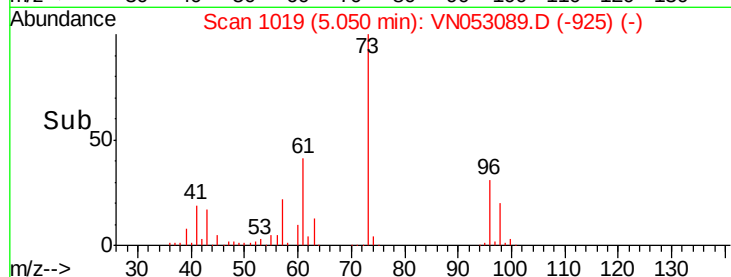


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 53.444 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion: 45 Resp: 1616682

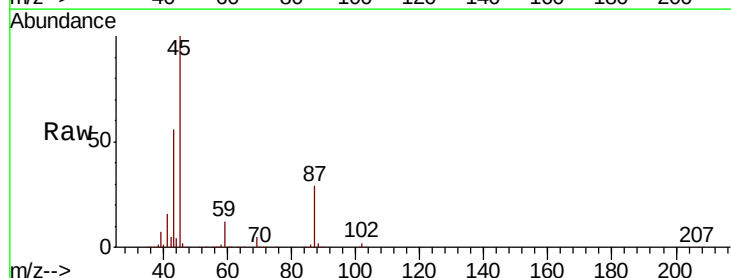
Ion Ratio Lower Upper

45 100

43 55.7 45.5 68.3

87 29.2 22.0 33.0

59 12.2 9.4 14.0



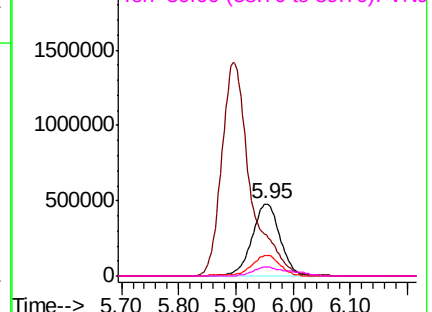
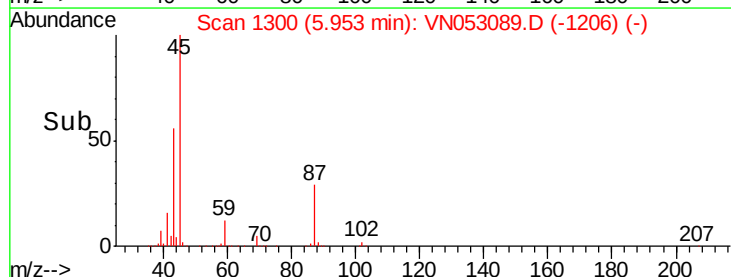
Abundance

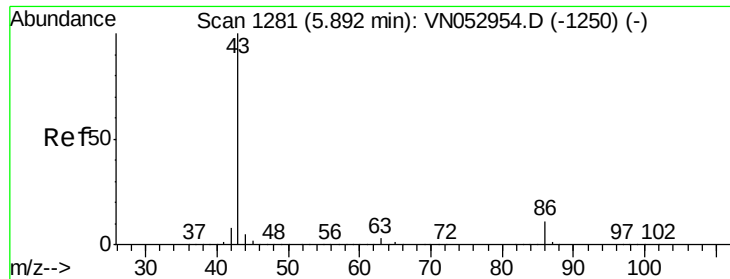
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 284.590 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

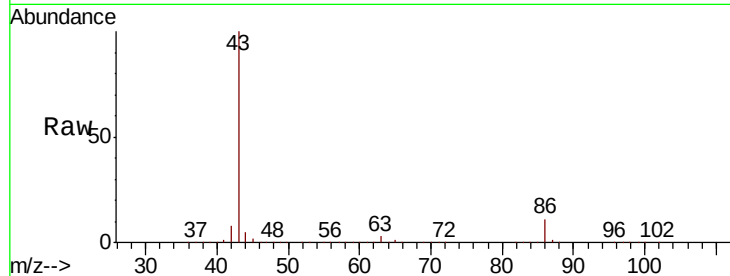
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4950311

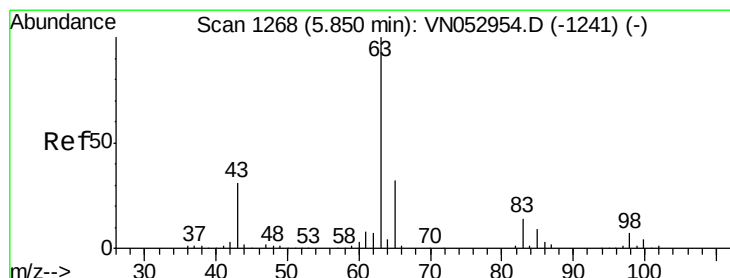
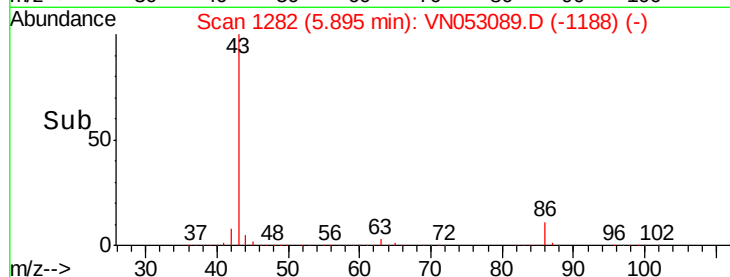
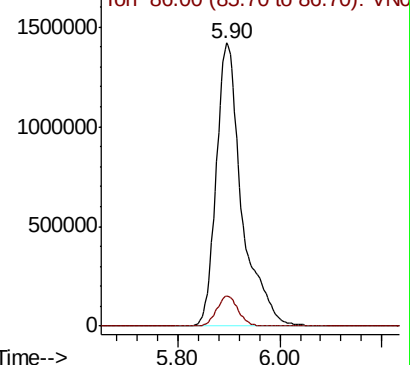
Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053089.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 51.262 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

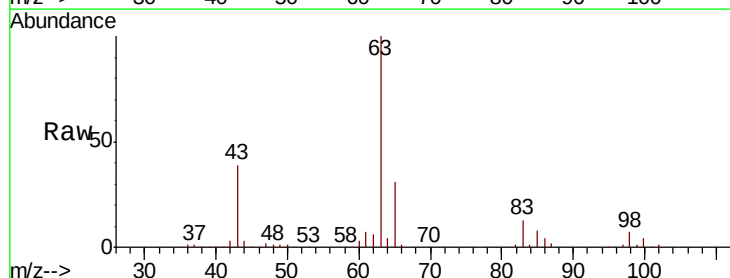
Tgt Ion: 63 Resp: 921450

Ion Ratio Lower Upper

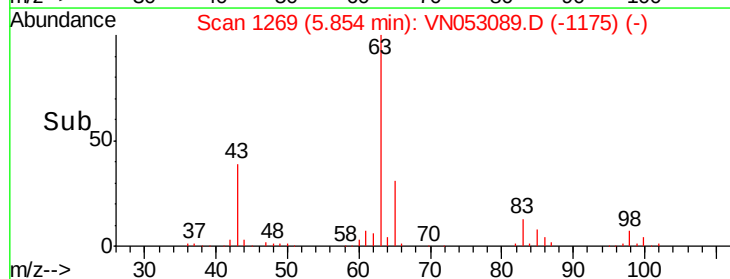
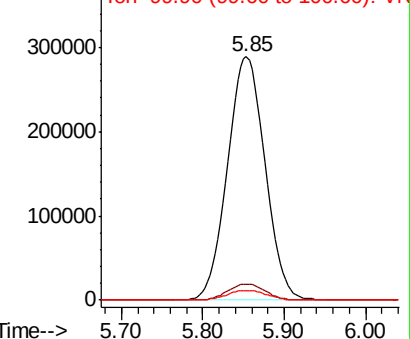
63 100

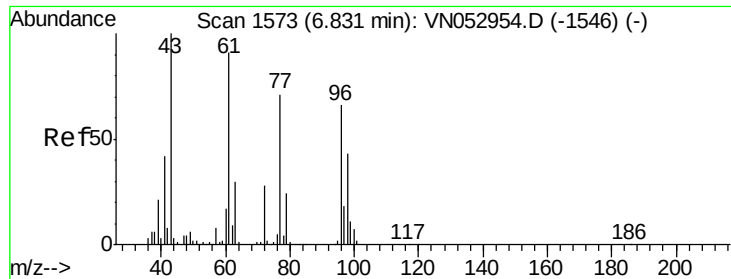
98 6.6 3.1 9.4

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053089.D (-1175) (-)





#25

2-Butanone

Concen: 284.686 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

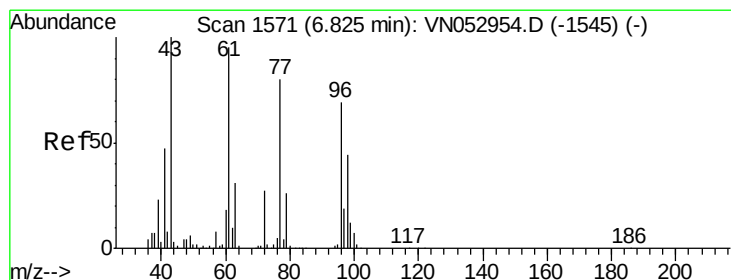
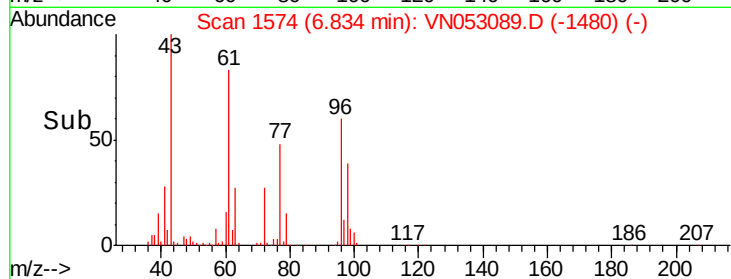
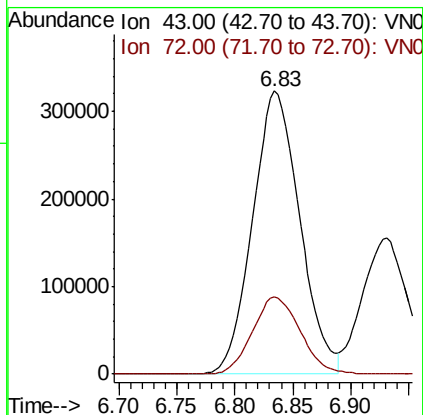
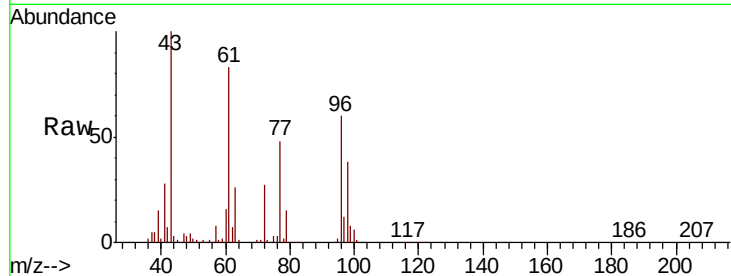
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 912521

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 36.833 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN053089.D

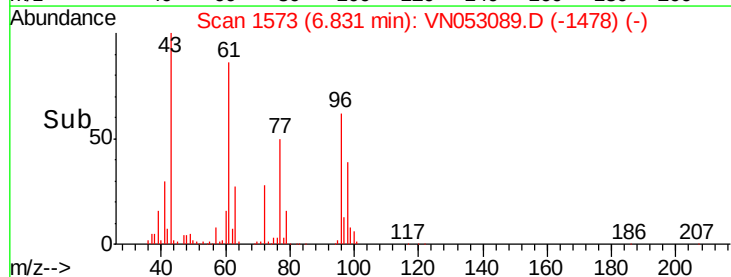
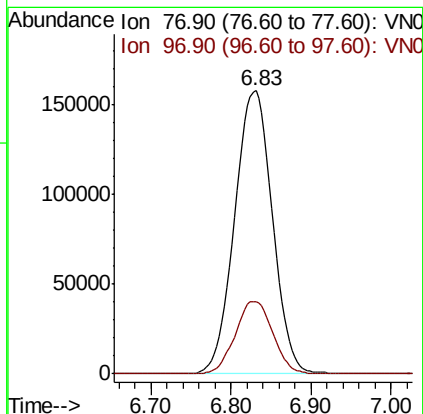
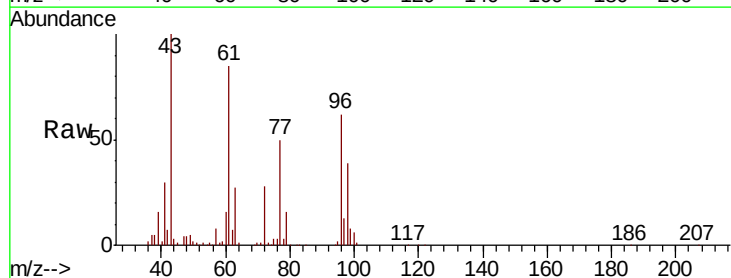
Acq: 21 Dec 2018 6:36

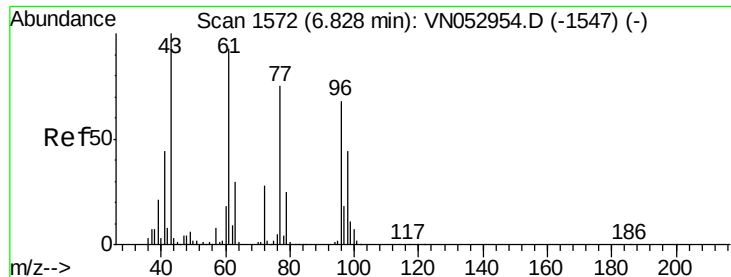
Tgt Ion: 77 Resp: 505413

Ion Ratio Lower Upper

77 100

97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.893 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampled :

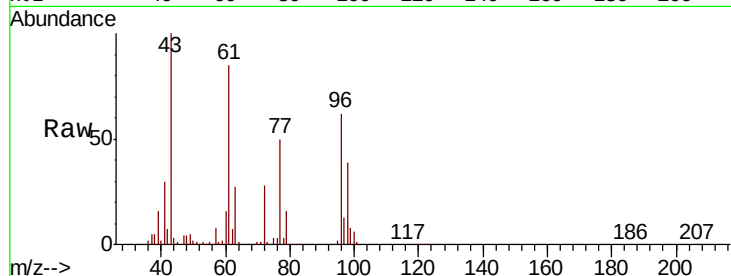
Tot Ion: 96 Resp: 566369

Ion Ratio Lower Upper

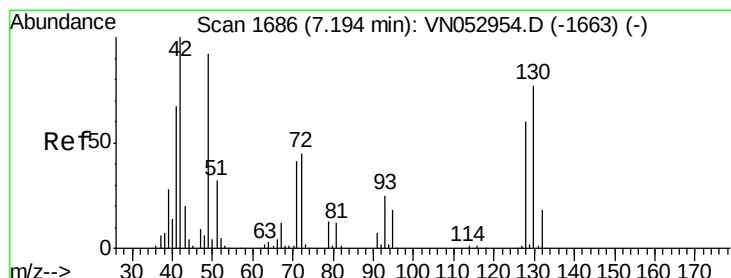
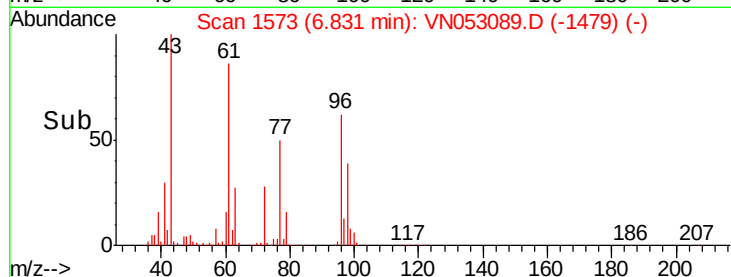
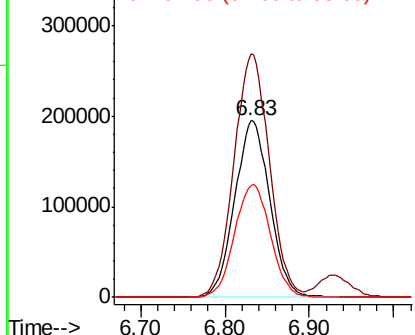
96 100

61 138.7 0.0 284.2

98 65.1 0.0 129.2



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



#28

Bromochloromethane

Concen: 53.260 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

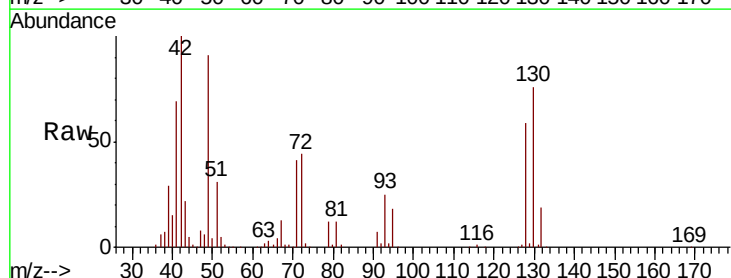
Tgt Ion: 49 Resp: 414845

Ion Ratio Lower Upper

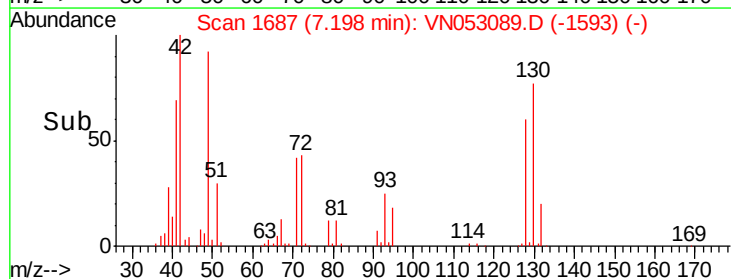
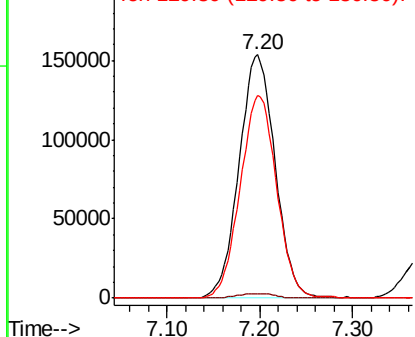
49 100

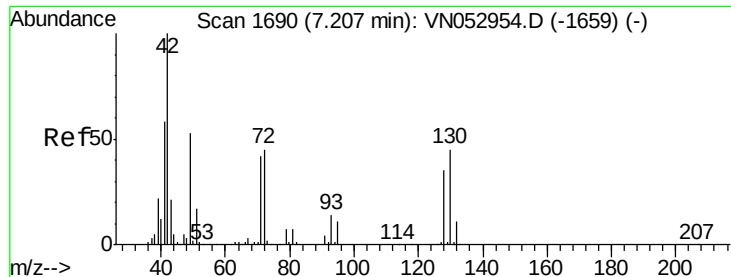
129 2.0 0.0 4.0

130 84.4 63.3 94.9



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

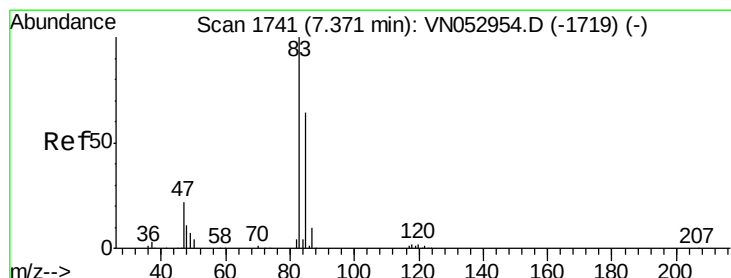
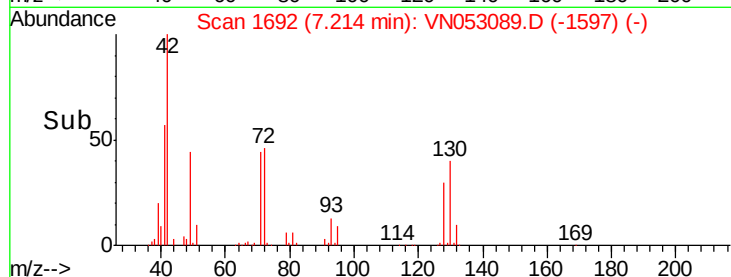
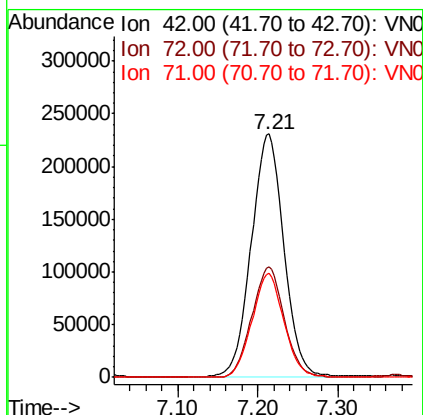
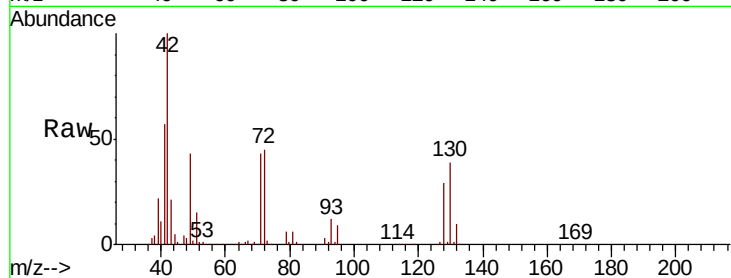




#29
Tetrahydrofuran
Concen: 269.244 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

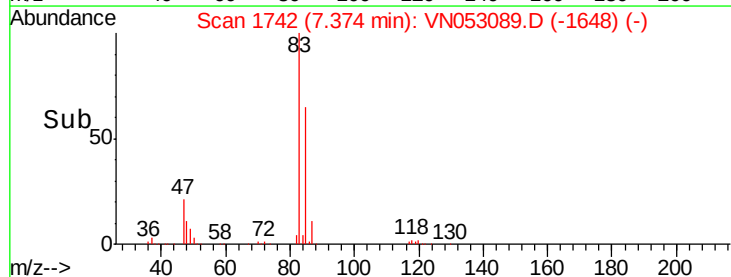
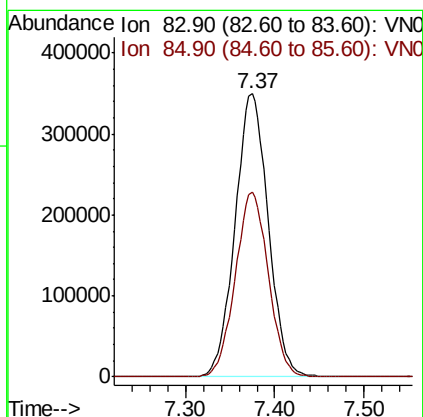
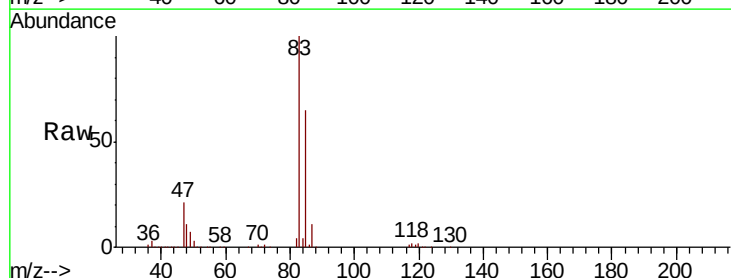
Instrument :
MSVOA_N
ClientSampled :

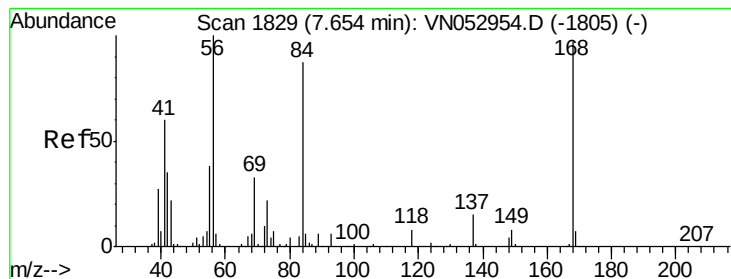
Tot Ion: 42 Resp: 644566
Ion Ratio Lower Upper
42 100
72 45.0 34.7 52.1
71 42.0 32.3 48.5



#30
Chloroform
Concen: 51.174 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 83 Resp: 903634
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 48.253 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

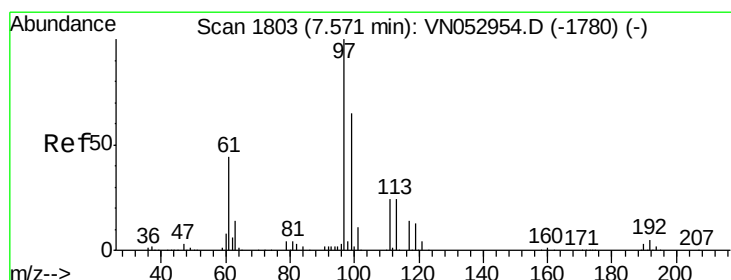
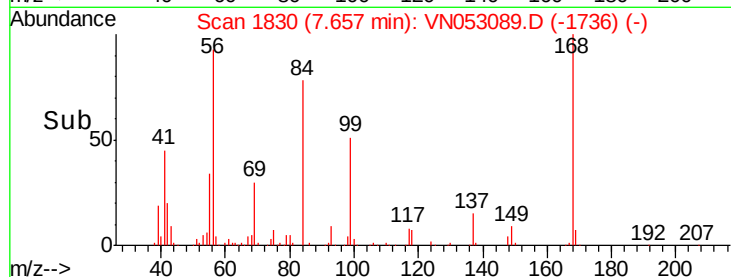
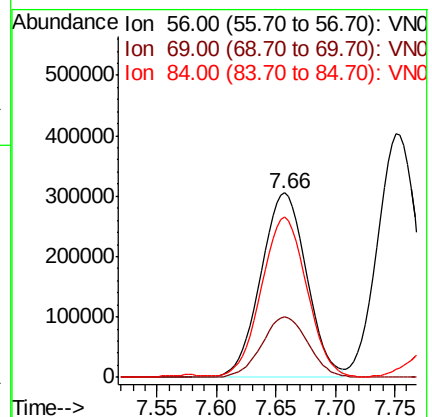
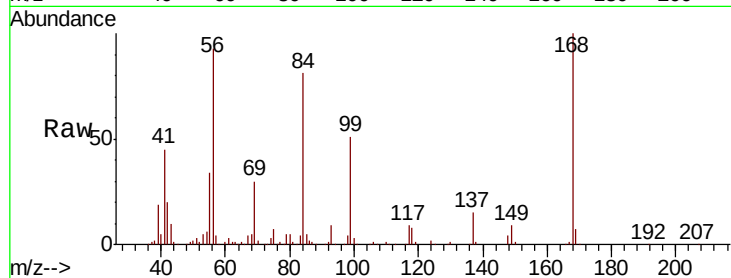
Tot Ion: 56 Resp: 814106

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

84 85.6 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 49.197 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

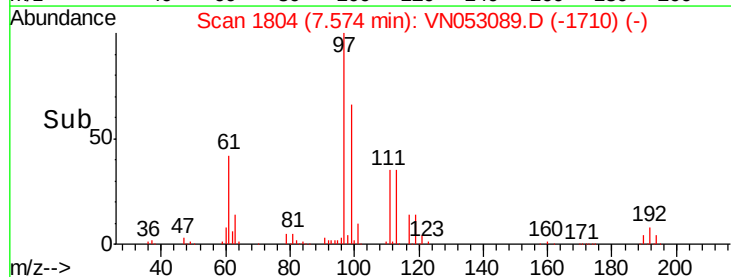
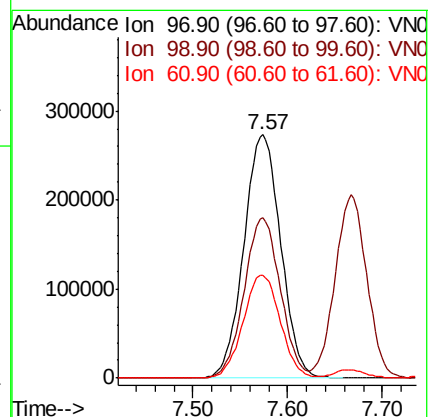
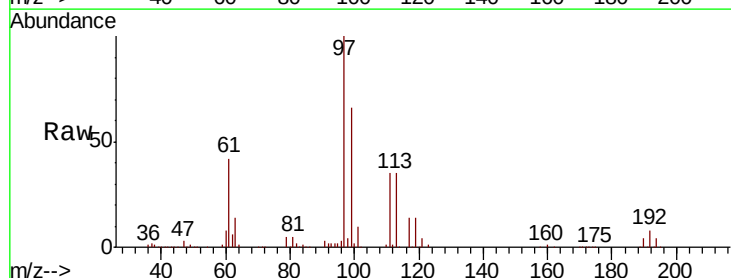
Tgt Ion: 97 Resp: 740046

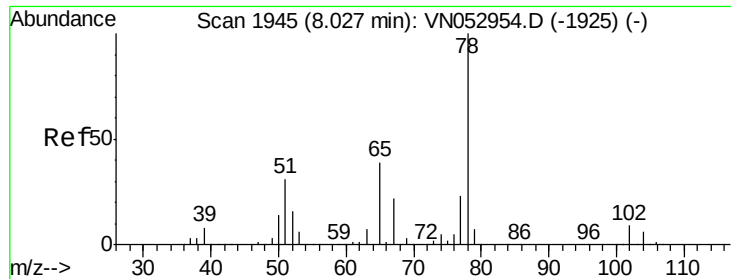
Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

61 42.6 35.0 52.6

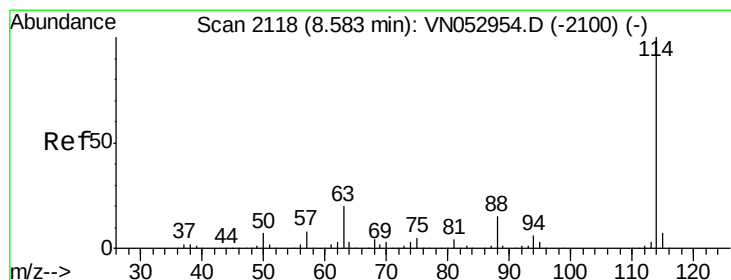
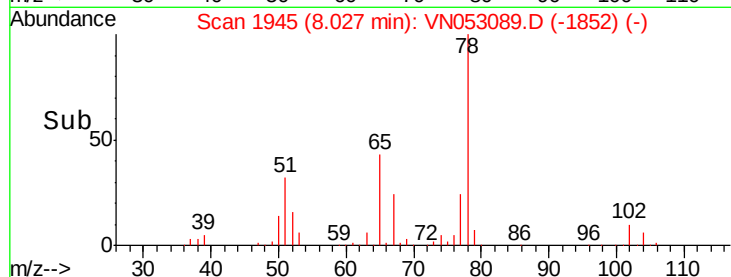
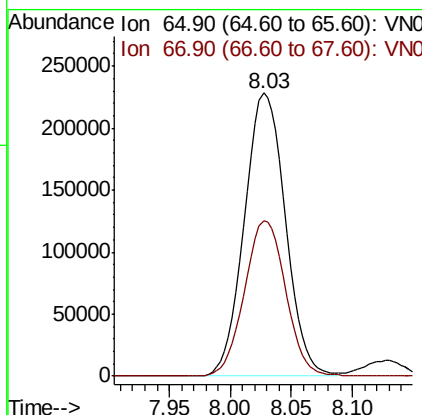
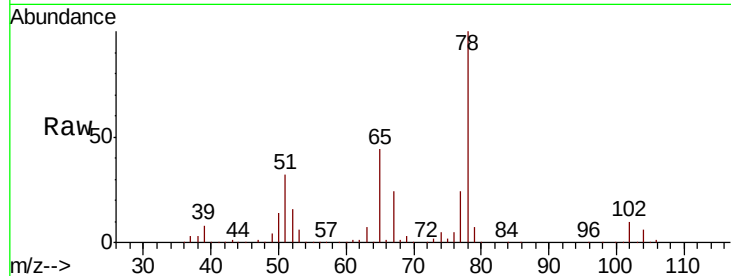




#33
 1,2-Dichloroethane-d4
 Concen: 49.197 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

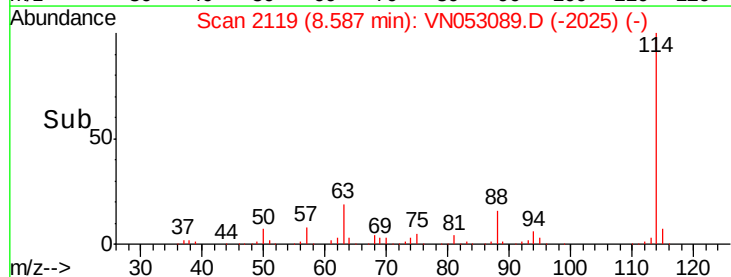
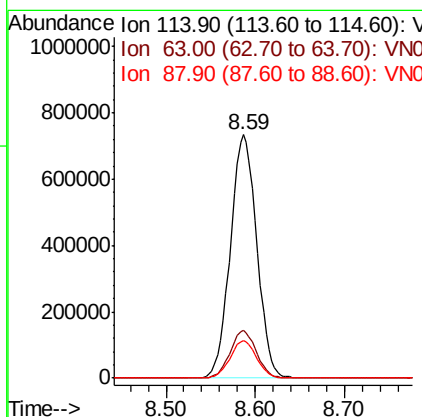
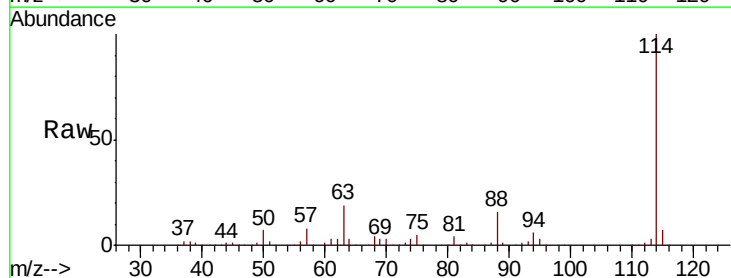
Instrument :
 MSVOA_N
 ClientSampled :

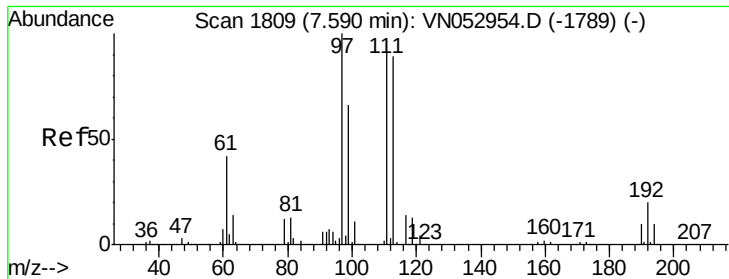
Tot Ion: 65 Resp: 530838
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 114 Resp: 1504751
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.5 0.0 31.0

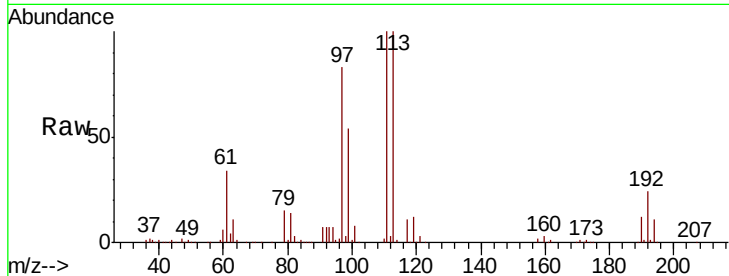




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.4
192	23.4	17.5	26.3

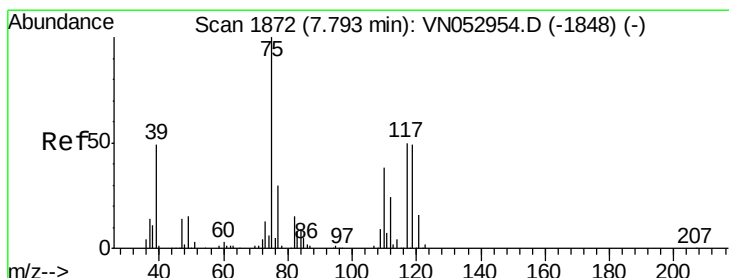
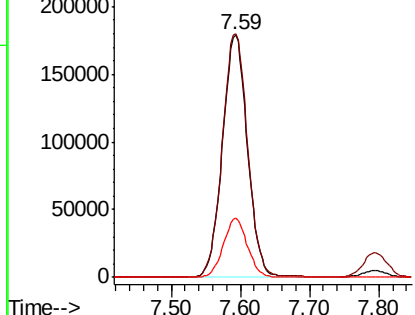
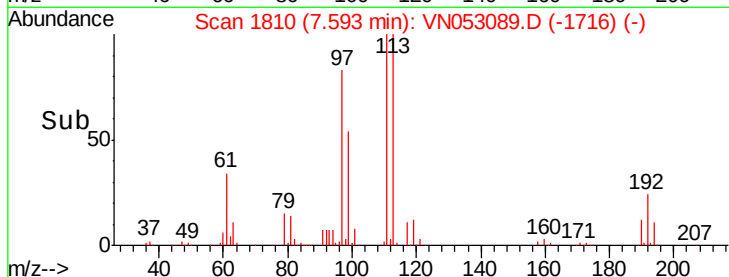


Abundance

Ion 112.80 (112.50 to 113.50): V

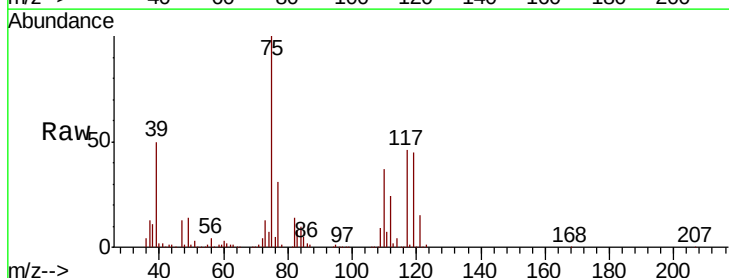
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.181 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.2	54.6
77	31.4	24.9	37.3

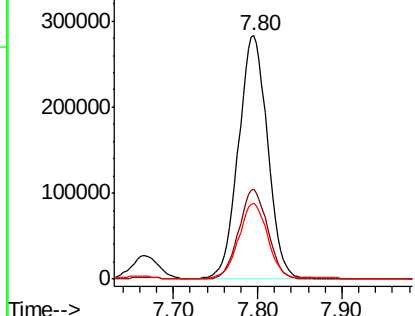
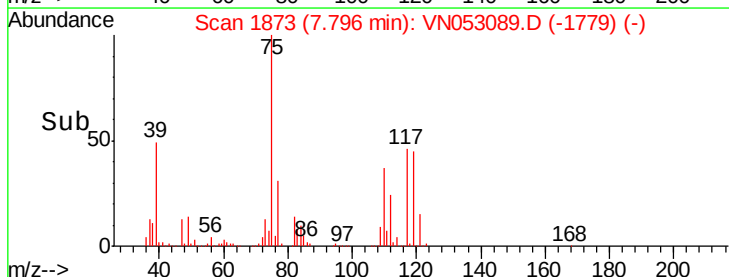


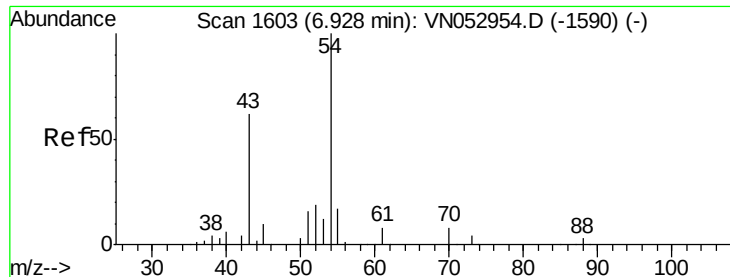
Abundance

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

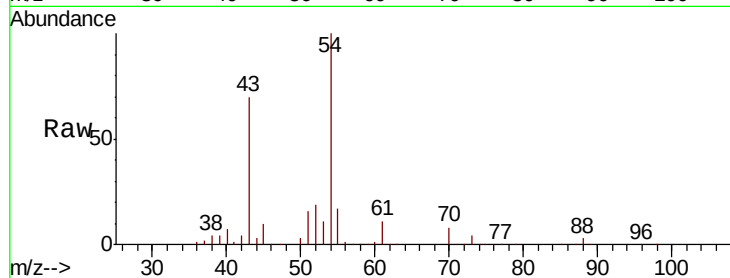




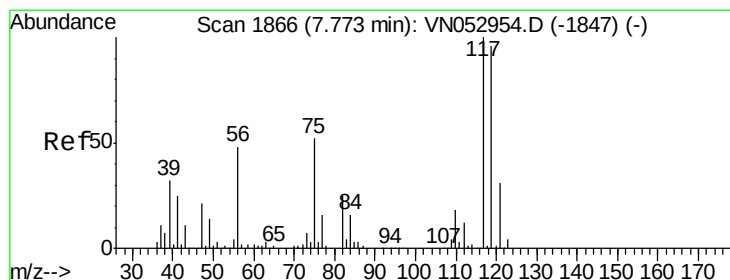
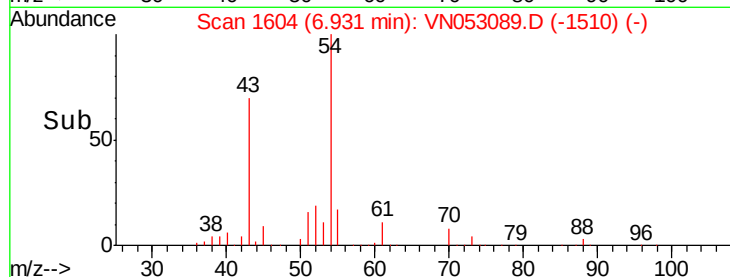
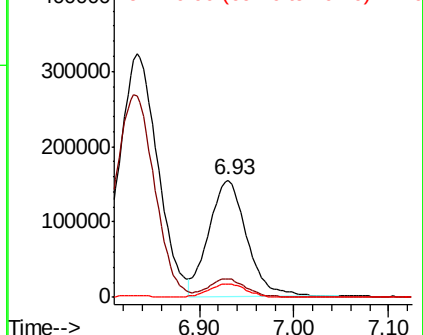
#37
Ethyl Acetate
Concen: 53.624 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 432359
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.2 8.4 12.6

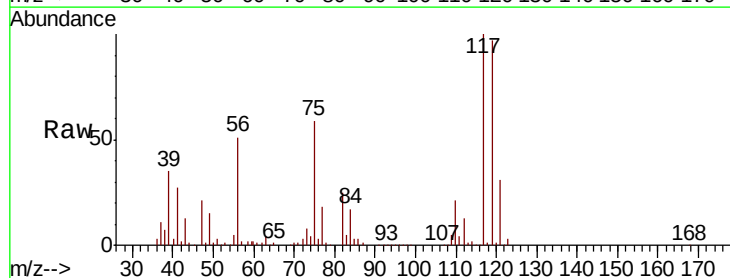


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

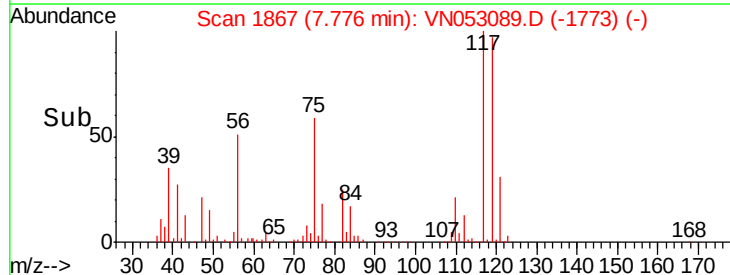
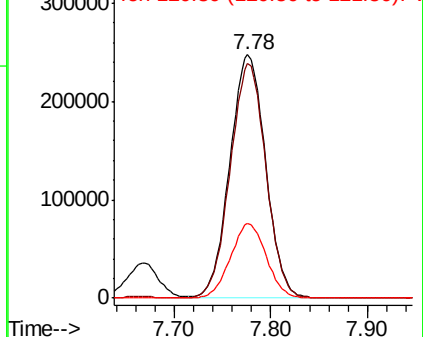


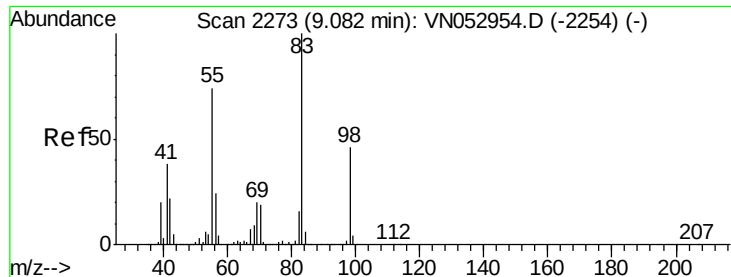
#38
Carbon Tetrachloride
Concen: 47.892 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 117 Resp: 634013
Ion Ratio Lower Upper
117 100
119 96.6 77.1 115.7
121 30.6 24.9 37.3



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

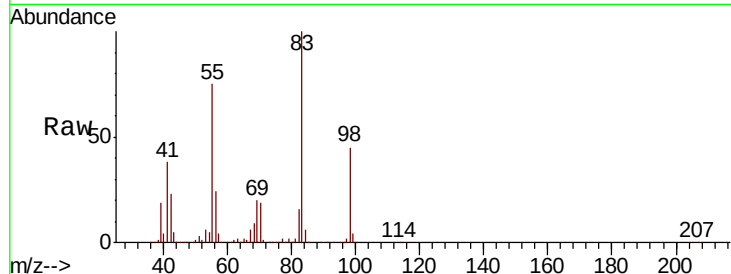




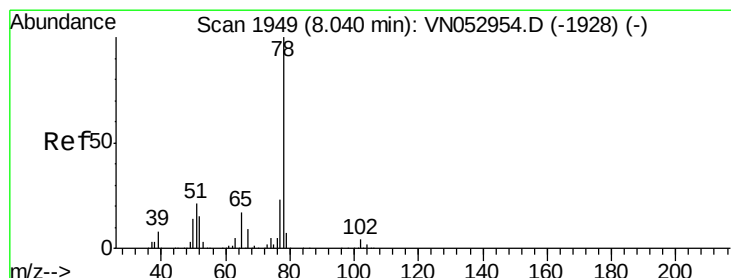
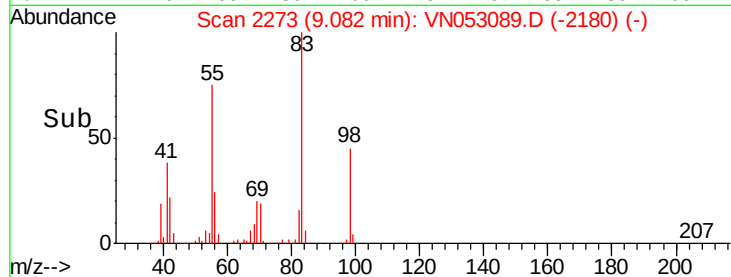
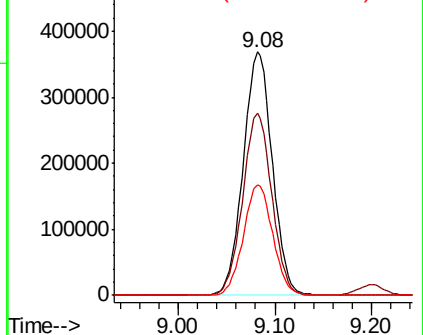
#39
Methylvlcyclohexane
Concen: 43.872 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 769756
Ion Ratio Lower Upper
83 100
55 74.8 61.3 91.9
98 45.3 37.0 55.4

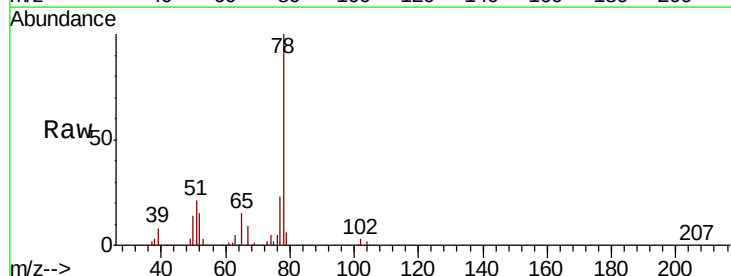


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

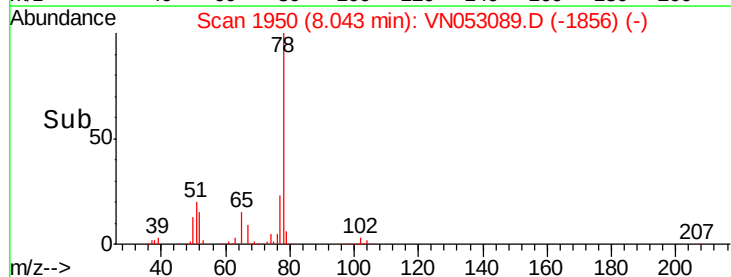
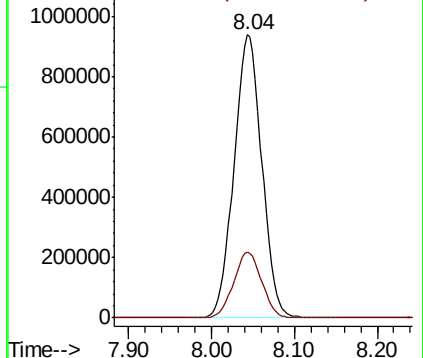


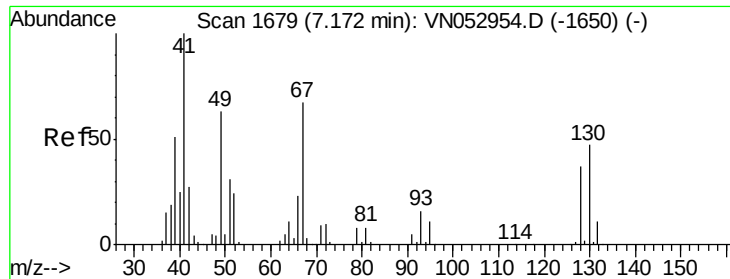
#40
Benzene
Concen: 50.981 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 78 Resp: 2190151
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7



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

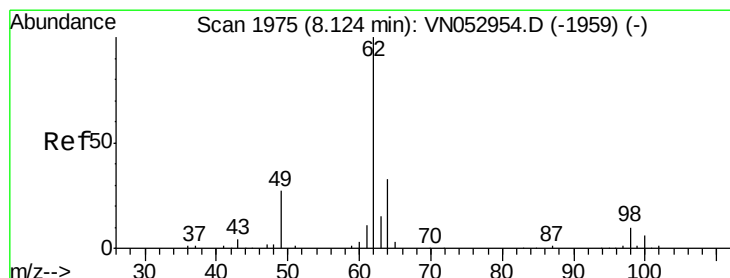
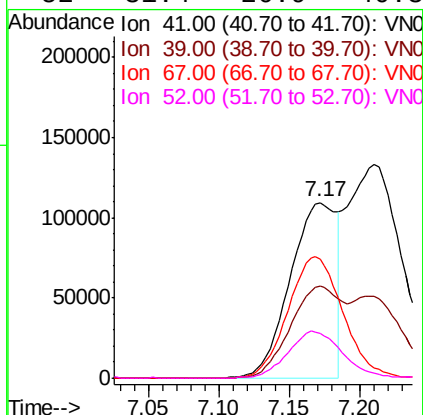
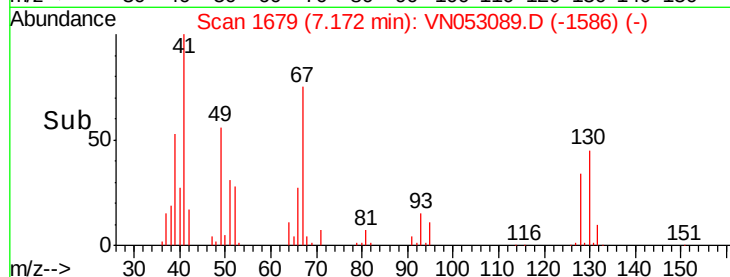
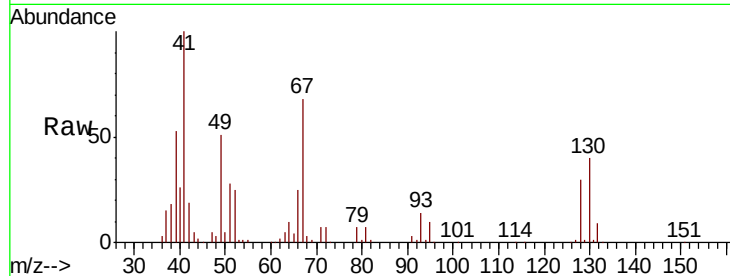




#41
Methacrylonitrile
Concen: 53.874 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

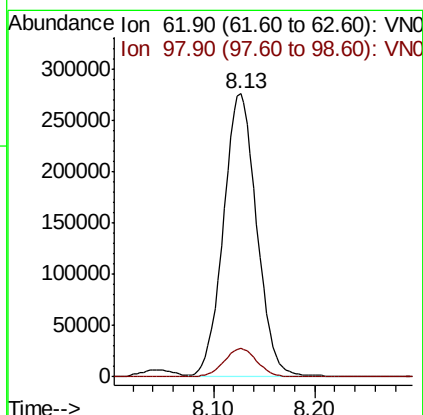
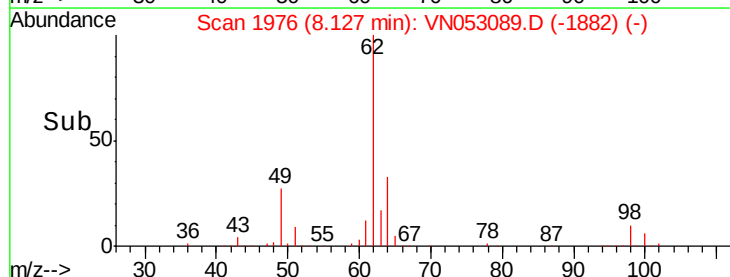
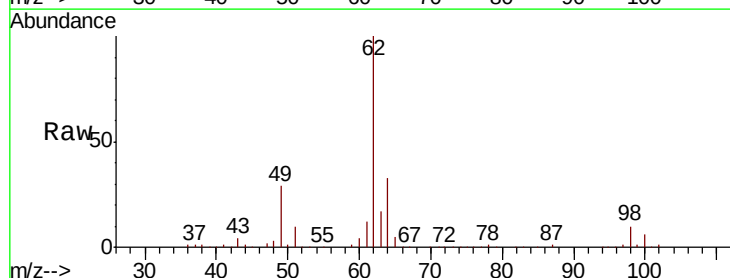
Instrument :
MSVOA_N
ClientSampled :

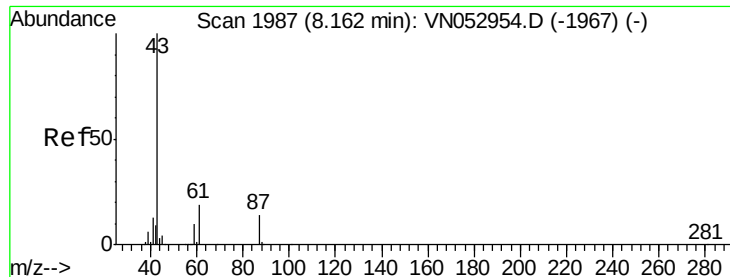
Tot Ion: 41 Resp: 250979
Ion Ratio Lower Upper
41 100
39 58.3 48.0 72.0
67 82.2 70.3 105.5
52 31.4 26.9 40.3



#42
1,2-Dichloroethane
Concen: 49.859 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 62 Resp: 632779
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0





#43

Isopropyl Acetate

Concen: 53.103 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

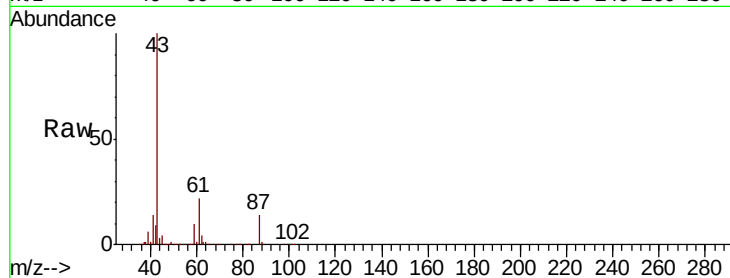
Tot Ion: 43 Resp: 827549

Ion Ratio Lower Upper

43 100

61 29.1 22.9 34.3

87 14.0 10.6 15.8

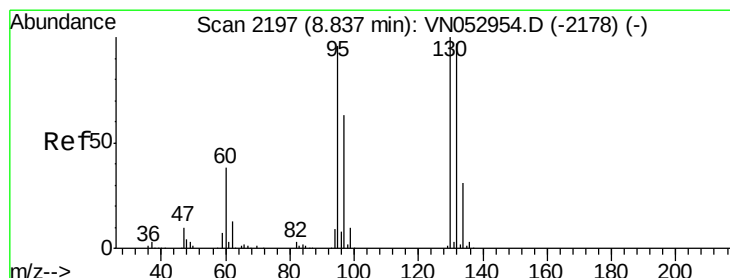
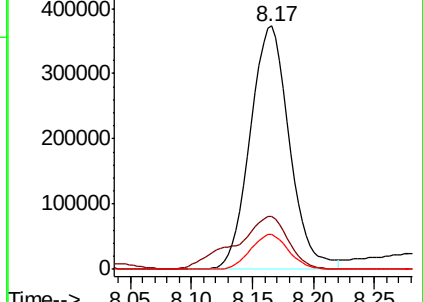
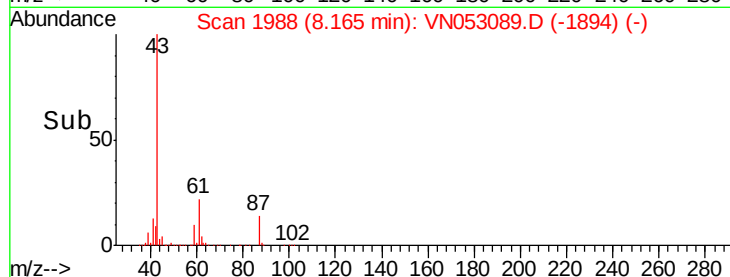


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 45.691 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053089.D

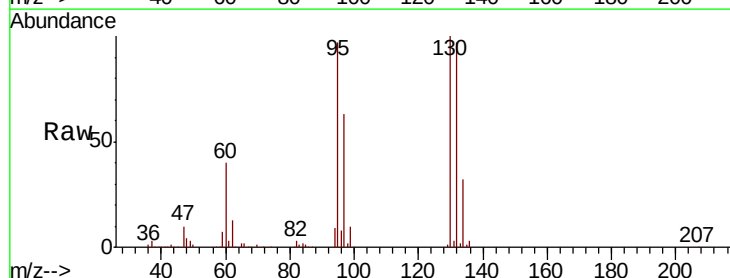
Acq: 21 Dec 2018 6:36

Tgt Ion: 130 Resp: 567745

Ion Ratio Lower Upper

130 100

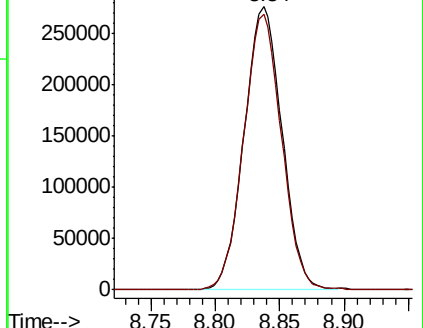
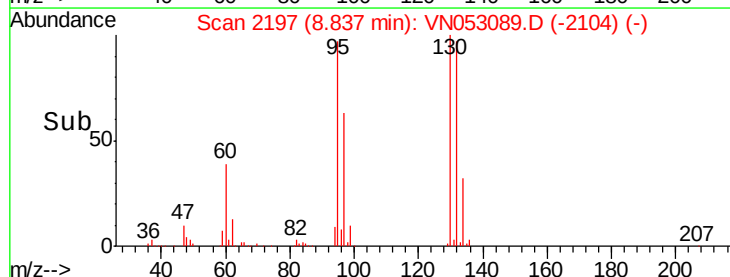
95 97.3 0.0 197.8

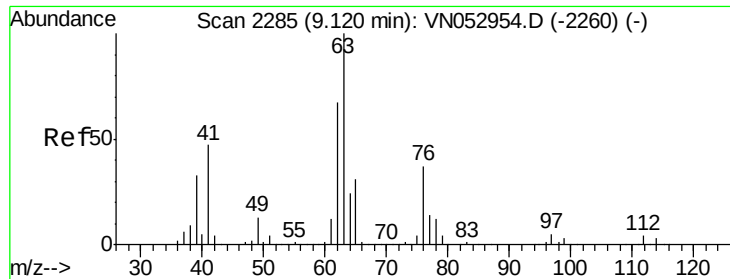


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

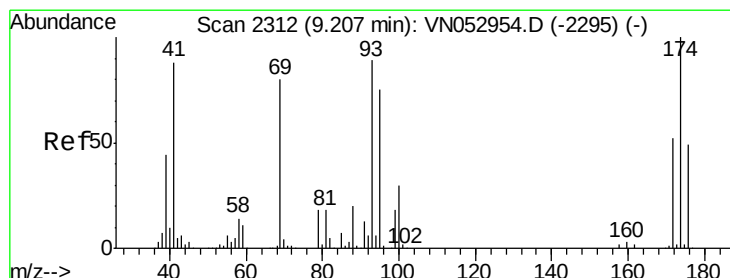
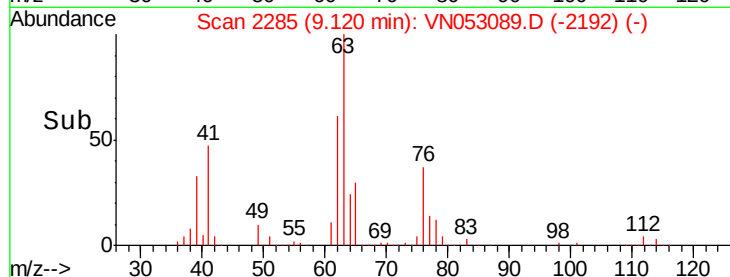
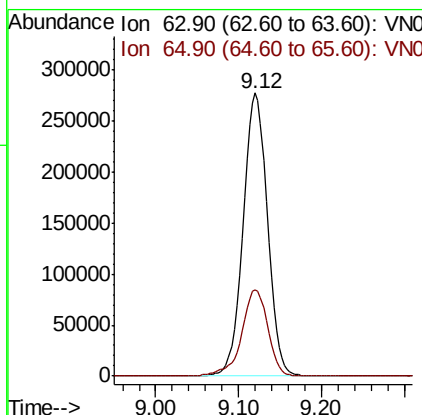
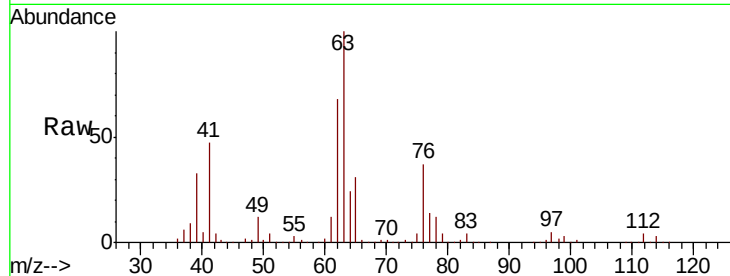




#45
 1,2-Dichloropropane
 Concen: 50.539 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

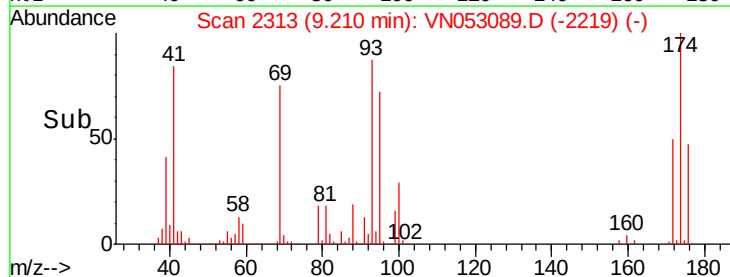
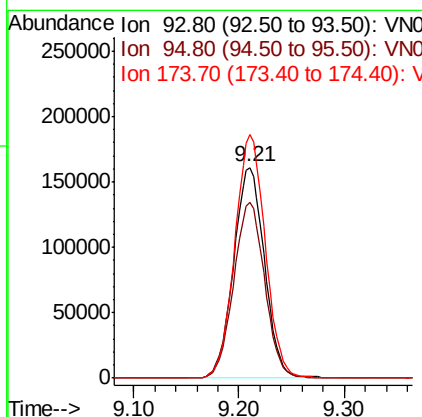
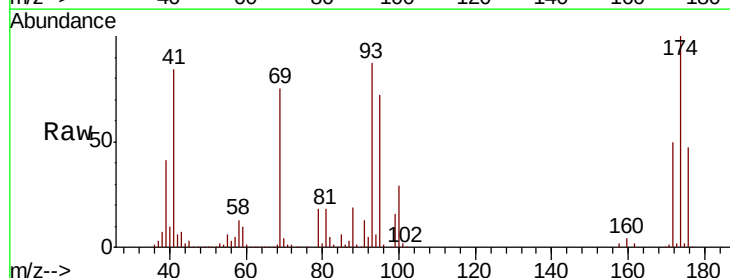
Instrument :
 MSVOA_N
 ClientSampleId :

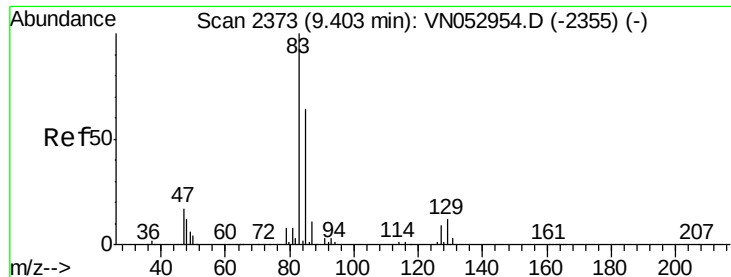
Tot Ion: 63 Resp: 565529
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 50.073 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 93 Resp: 326406
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.8 101.6
 174 114.3 89.0 133.4

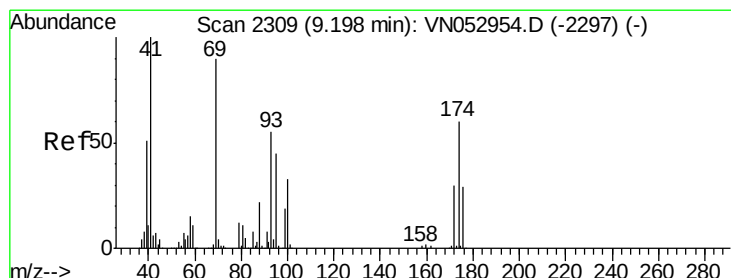
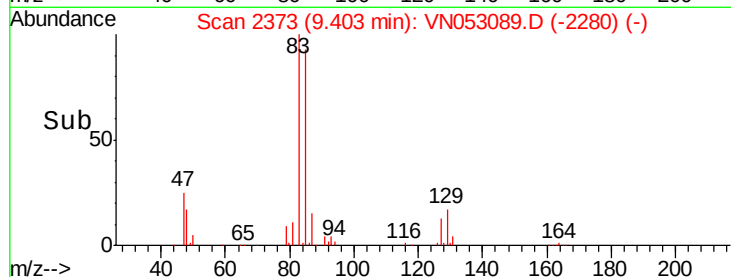
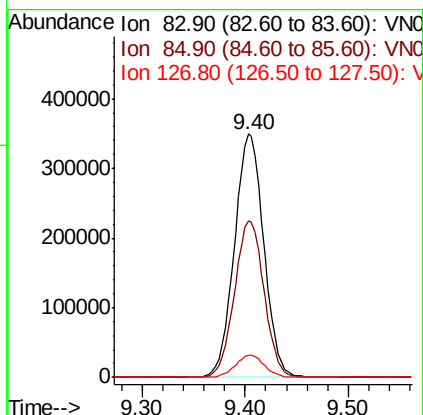
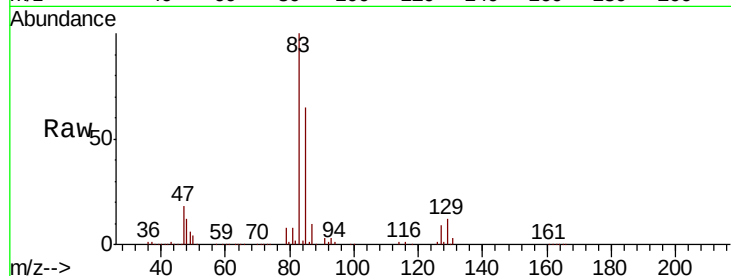




#47
Bromodichloromethane
Concen: 49.906 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

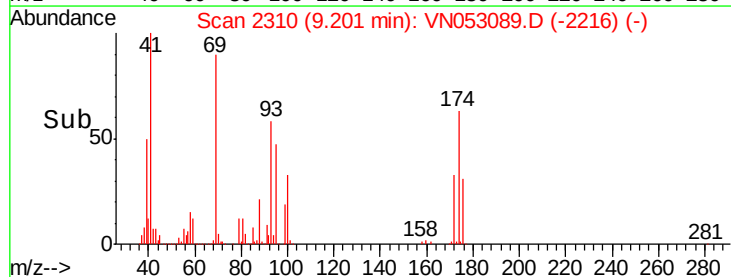
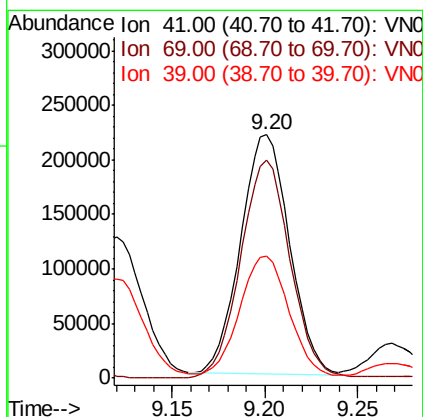
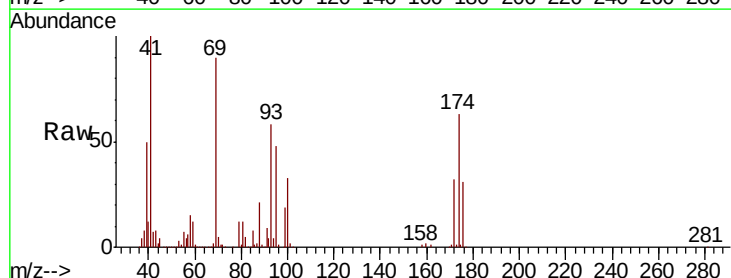
Instrument :
MSVOA_N
ClientSampleId :

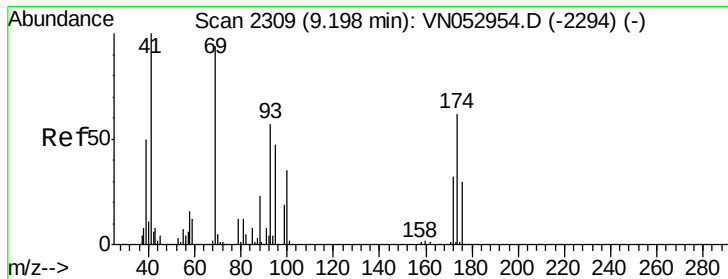
Tot Ion: 83 Resp: 691518
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4
127 8.9 7.1 10.7



#48
Methyl methacrylate
Concen: 51.589 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 41 Resp: 403629
Ion Ratio Lower Upper
41 100
69 92.1 72.2 108.2
39 52.2 41.9 62.9

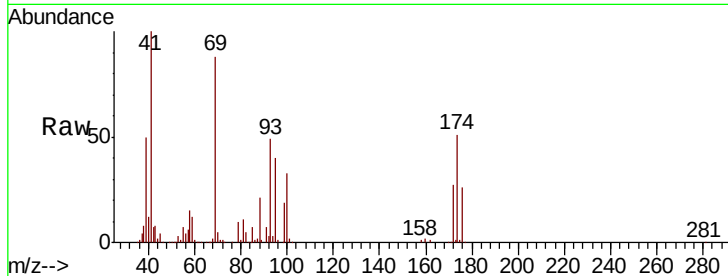




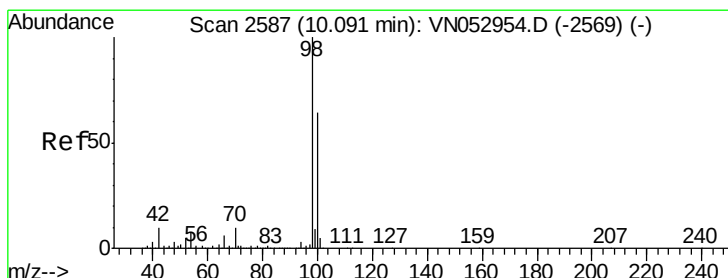
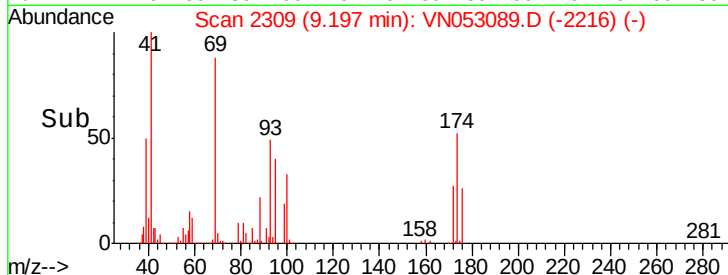
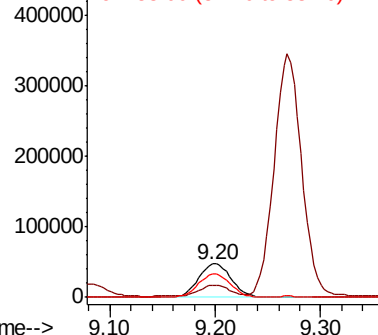
#49
1,4-Dioxane
Concen: 1030.172 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 101955
Ion Ratio Lower Upper
88 100
43 31.4 26.6 40.0
58 68.6 58.4 87.6

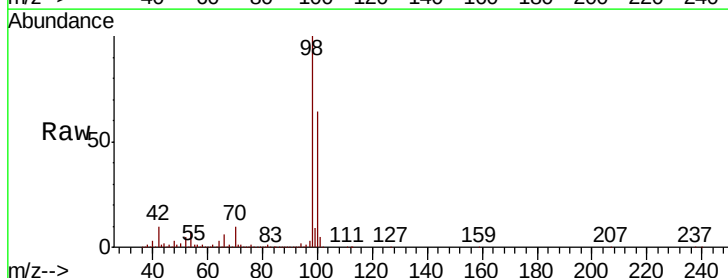


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

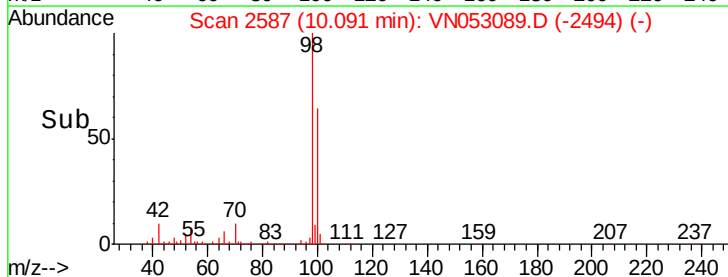
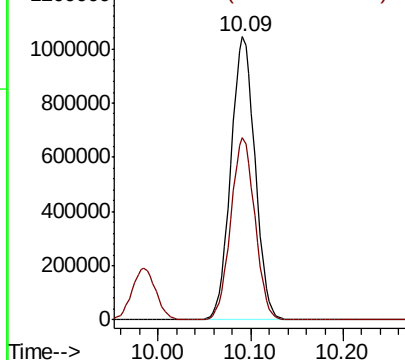


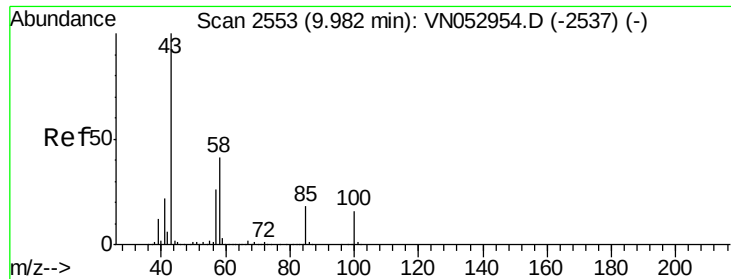
#50
Toluene-d8
Concen: 1030.172 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 98 Resp: 1887514
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



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

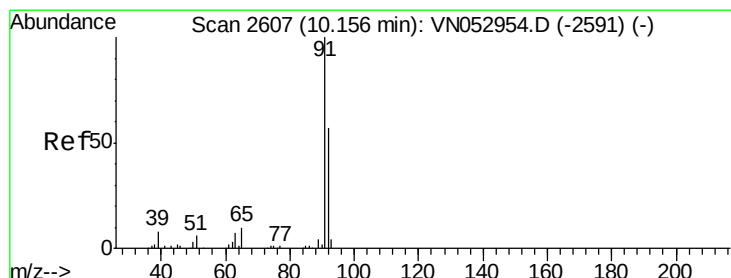
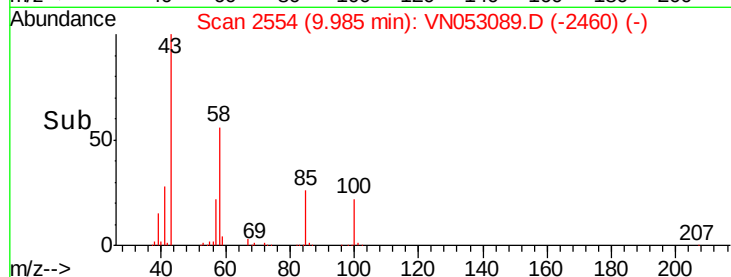
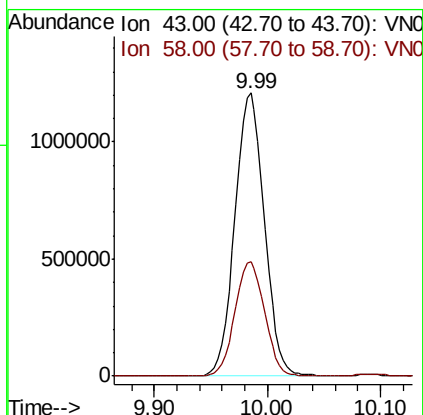
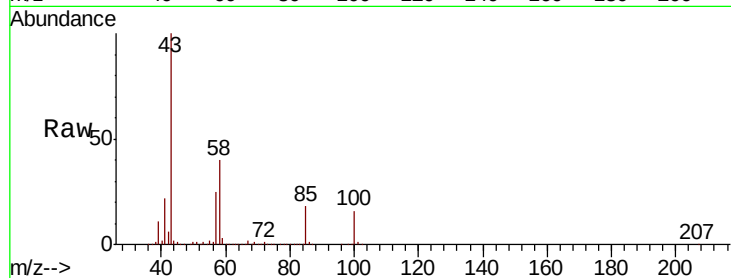




#51
 4-Methyl-2-Pentanone
 Concen: 280.498 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

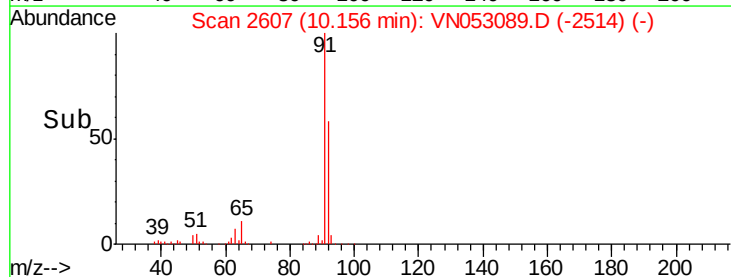
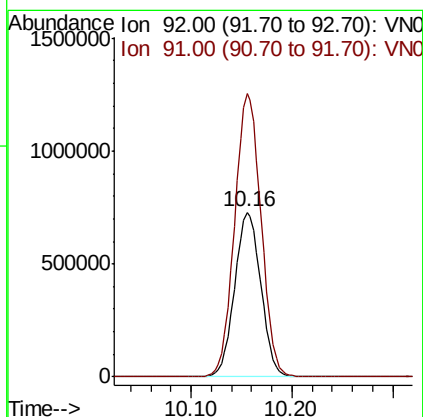
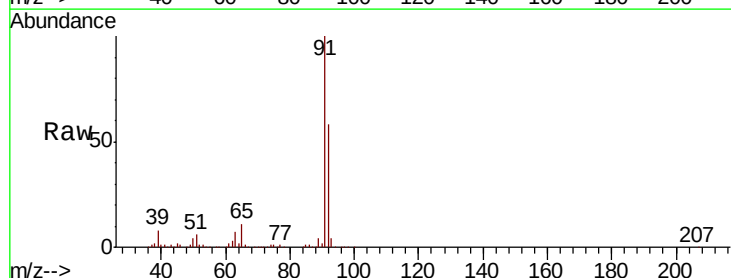
Instrument :
 MSVOA_N
 ClientSampled :

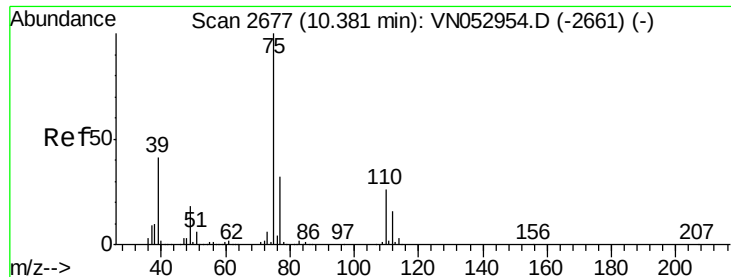
Tot Ion: 43 Resp: 2190180
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 49.307 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 92 Resp: 1312951
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 47.339 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

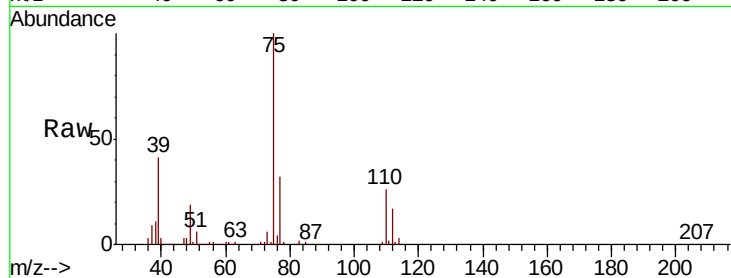
ClientSampleId :

Tot Ion: 75 Resp: 689759

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN053089.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN053089.D (-2584) (-)

10.38

400000

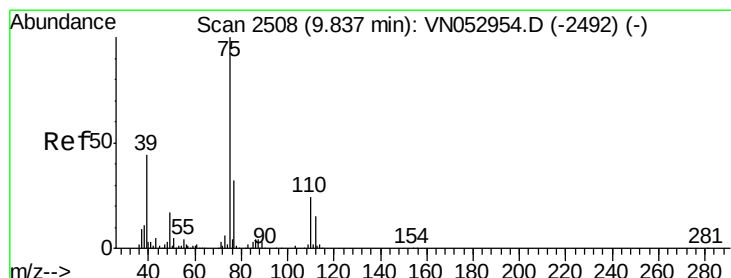
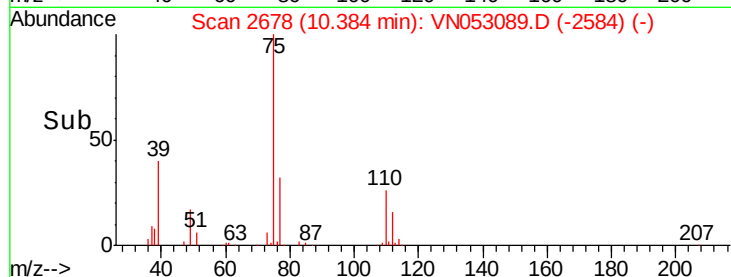
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.695 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

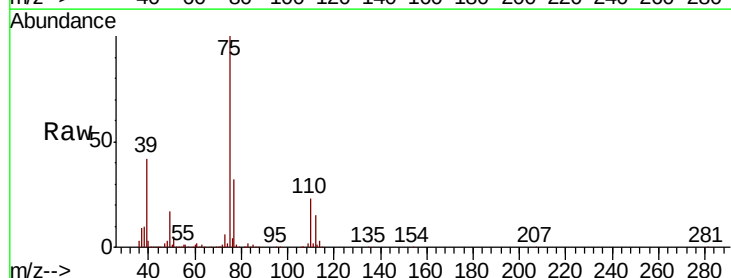
Tgt Ion: 75 Resp: 797691

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 42.1 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN053089.D (-2415) (-)

Ion 76.90 (76.60 to 77.60): VN053089.D (-2415) (-)

Ion 39.00 (38.70 to 39.70): VN053089.D (-2415) (-)

9.84

600000

500000

400000

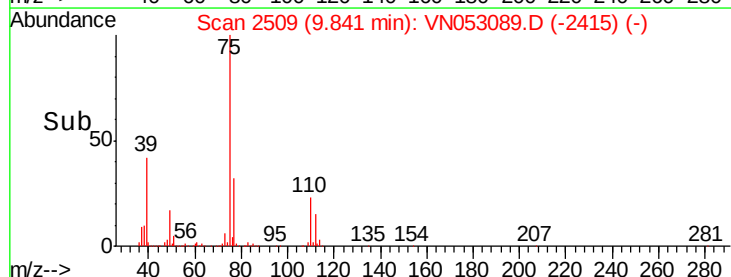
300000

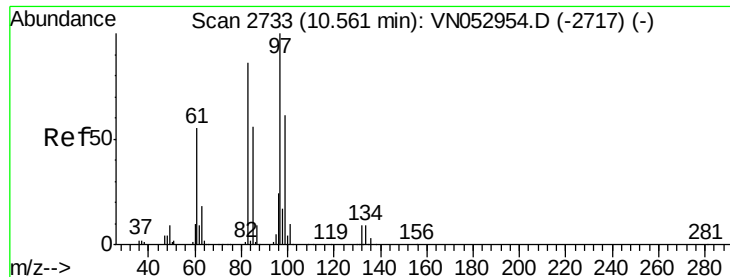
200000

100000

0

Time-->

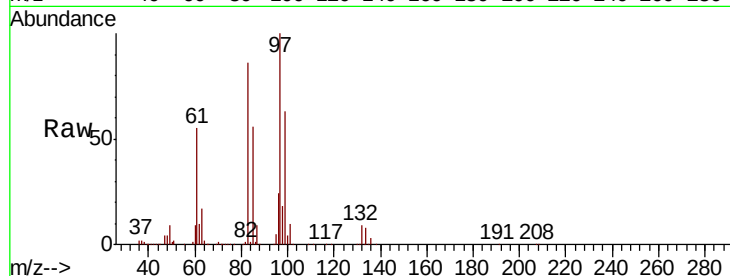




#55
 1,1,2-Trichloroethane
 Concen: 51.717 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	480434
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.9	106.3
85	56.0	45.4	68.2
99	62.6	50.4	75.6



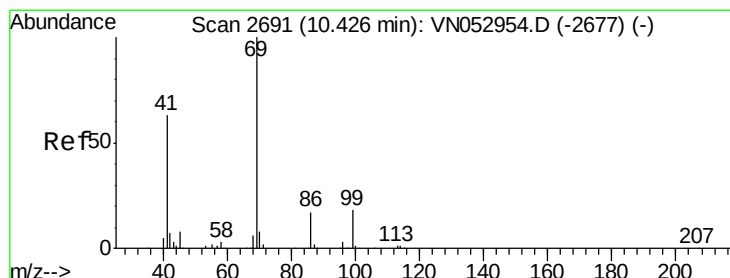
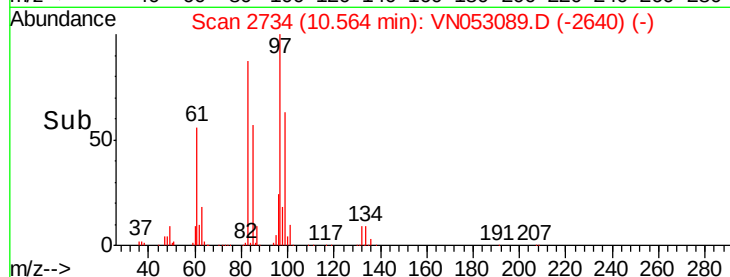
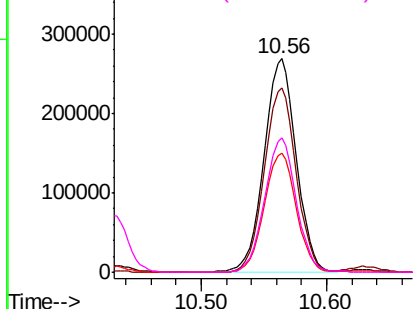
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

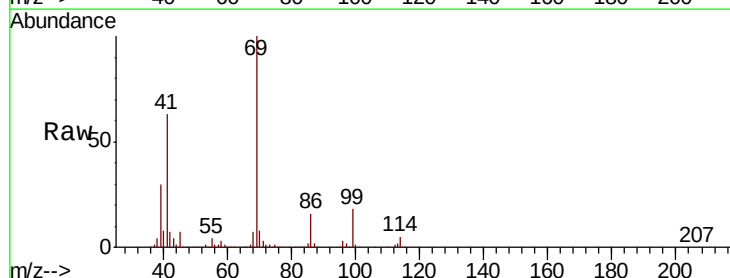
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 54.393 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion:	69	Resp:	668805
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.8	24.6	37.0

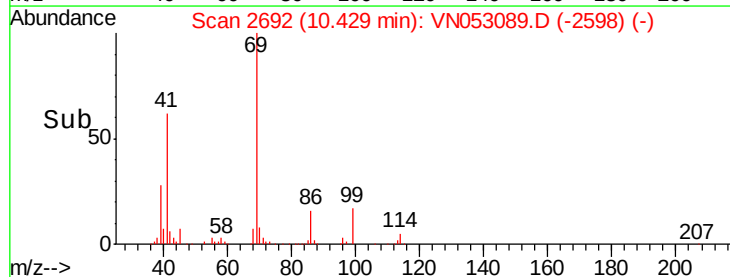
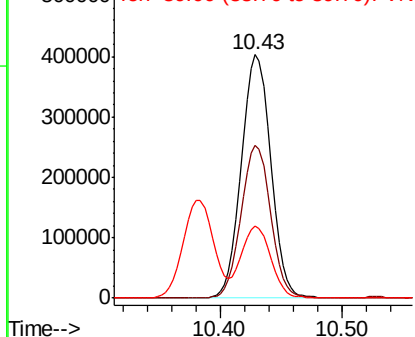


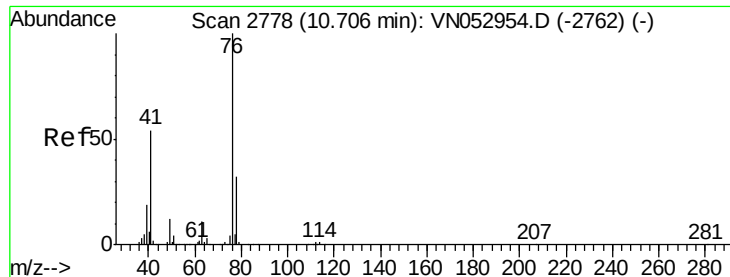
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.628 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

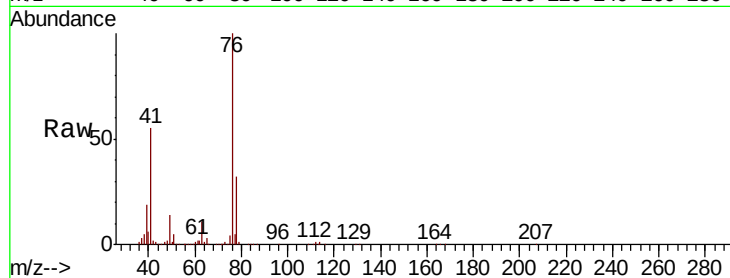
ClientSampleId :

Tot Ion: 76 Resp: 806513

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

500000

400000

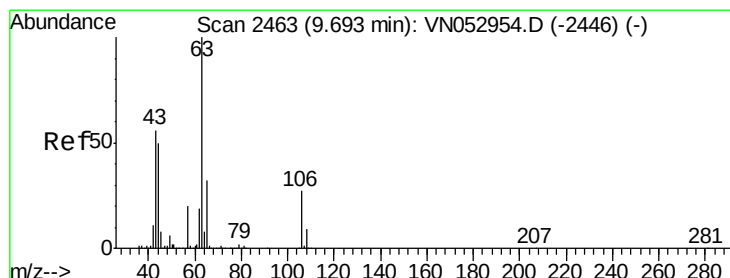
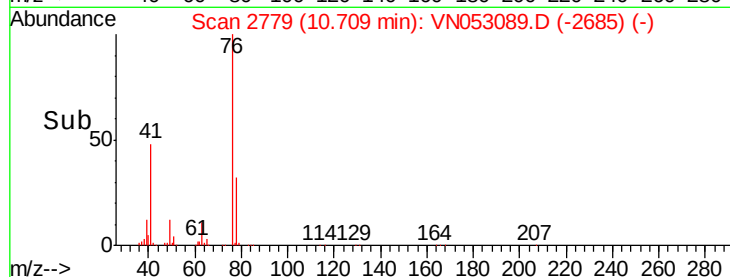
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 258.194 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053089.D

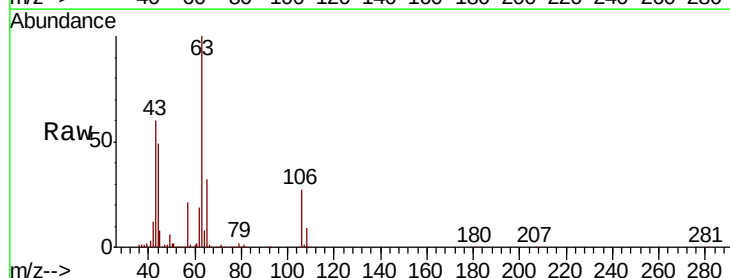
Acq: 21 Dec 2018 6:36

Tgt Ion: 63 Resp: 1742902

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

1000000

800000

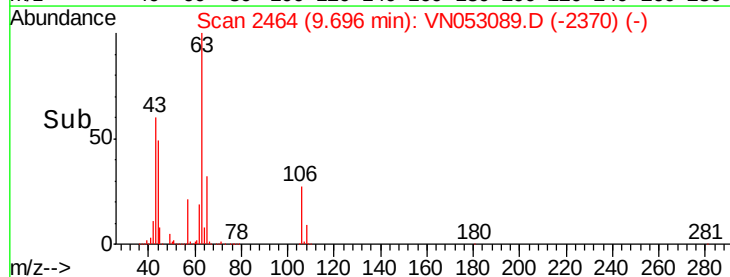
600000

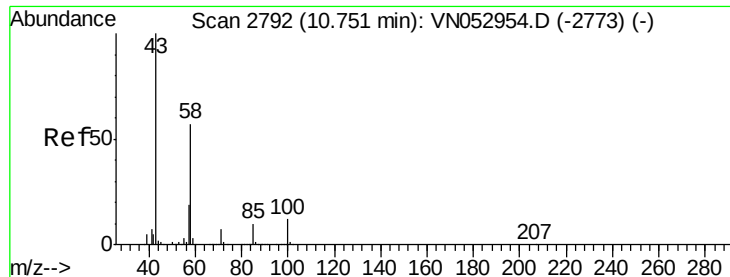
400000

200000

0

Time--> 9.60 9.65 9.70 9.75 9.80

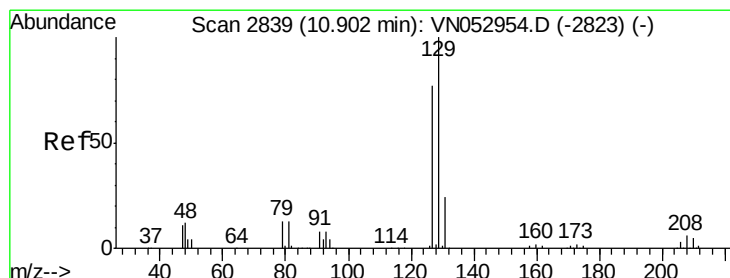
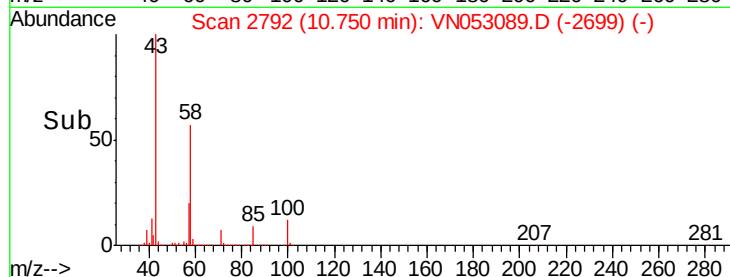
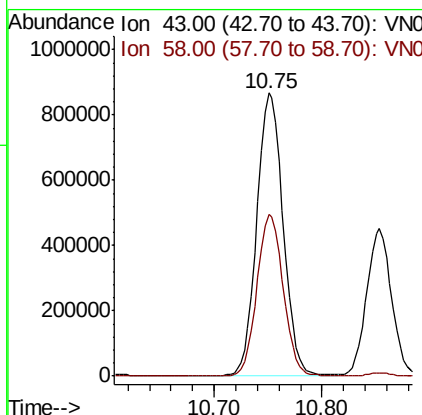
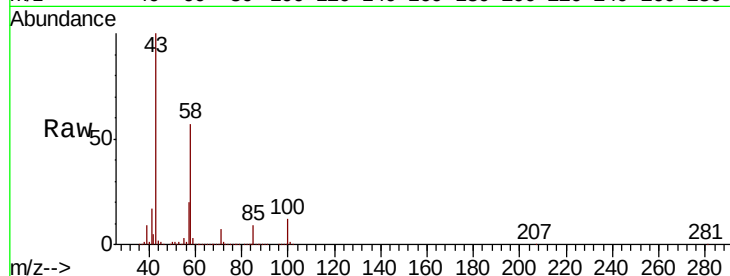




#59
2-Hexanone
Concen: 278.158 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

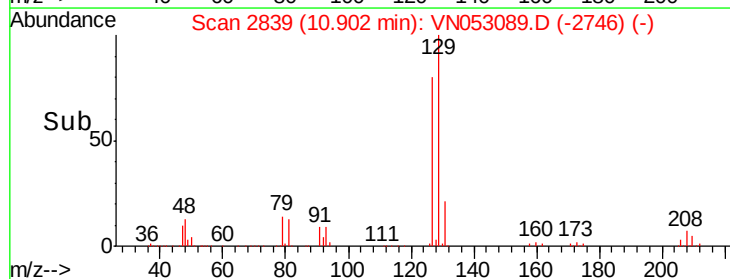
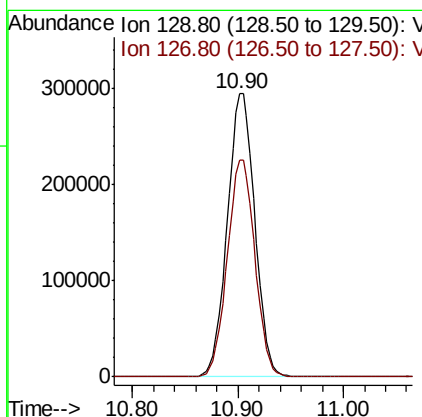
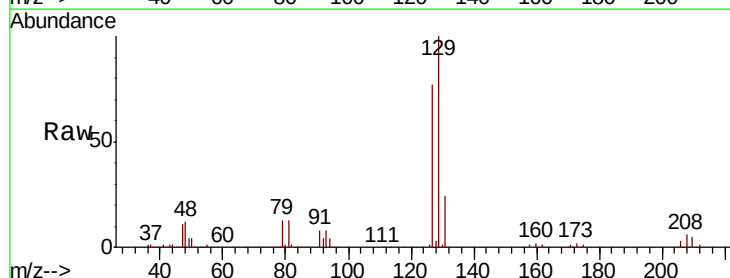
Instrument :
MSVOA_N
ClientSampled :

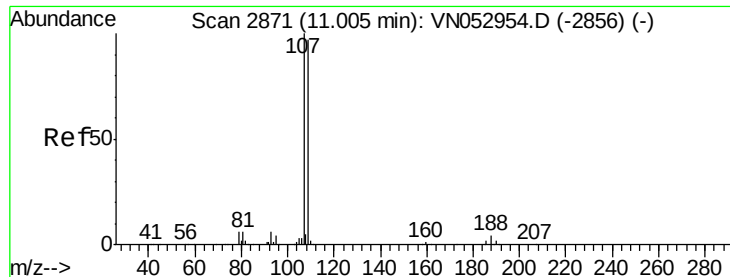
Tot Ion: 43 Resp: 1469472
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 49.866 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 129 Resp: 530260
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.540 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

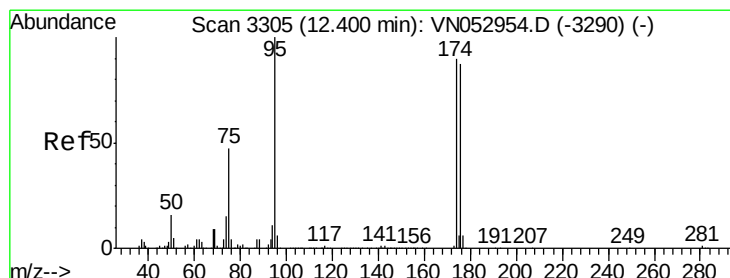
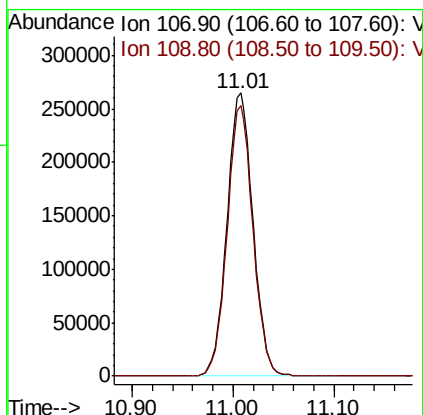
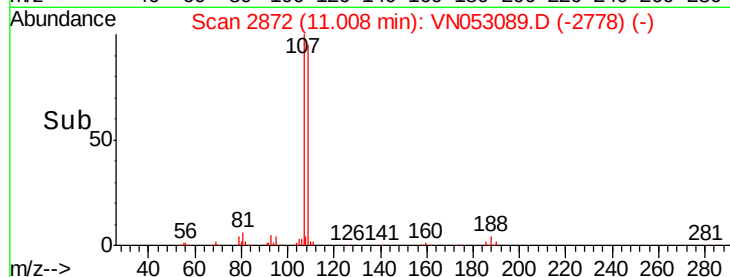
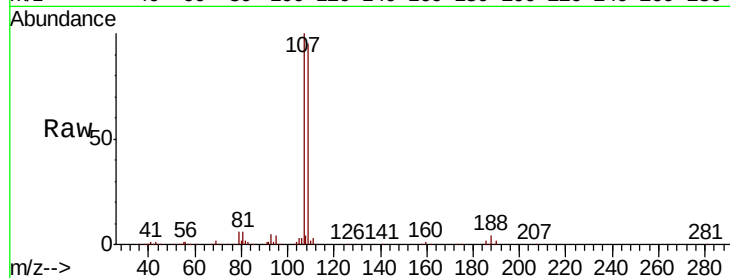
ClientSampleId :

Tot Ion:107 Resp: 476825

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 50.540 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

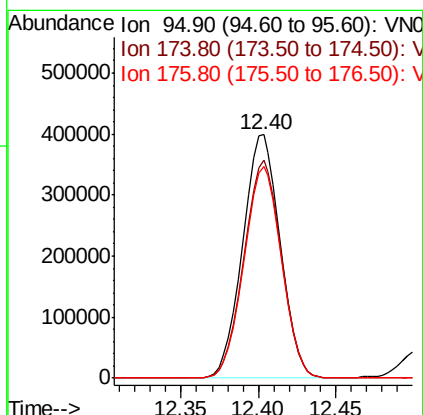
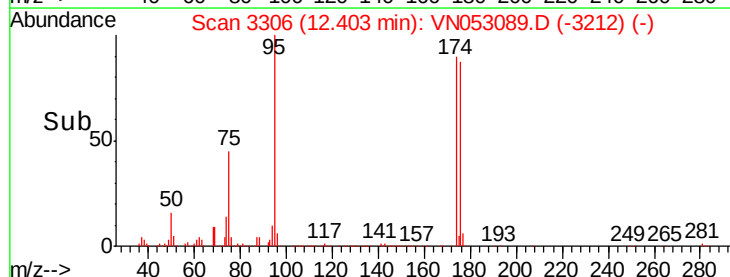
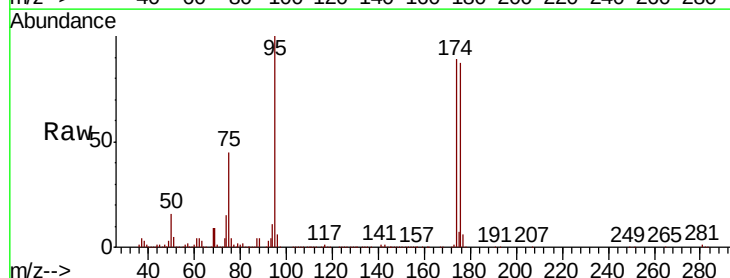
Tgt Ion: 95 Resp: 670869

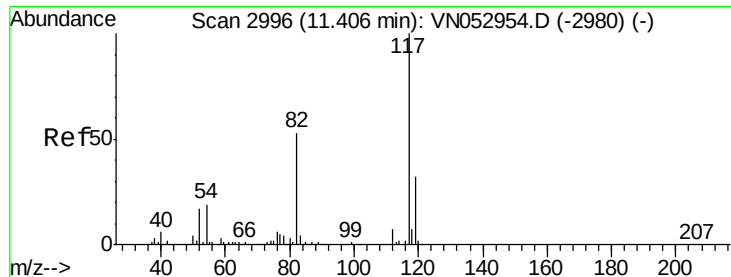
Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 87.3 0.0 173.8

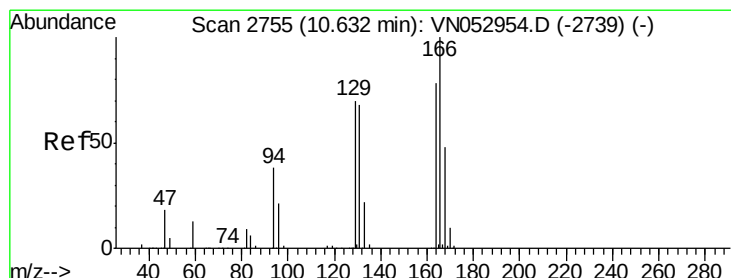
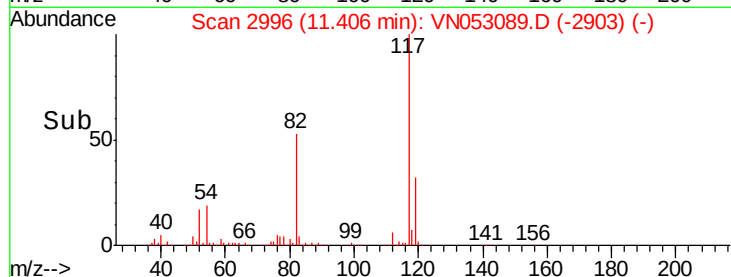
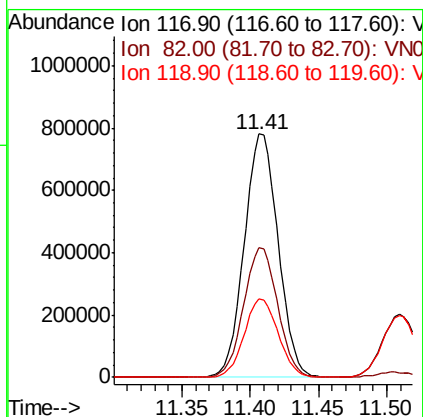
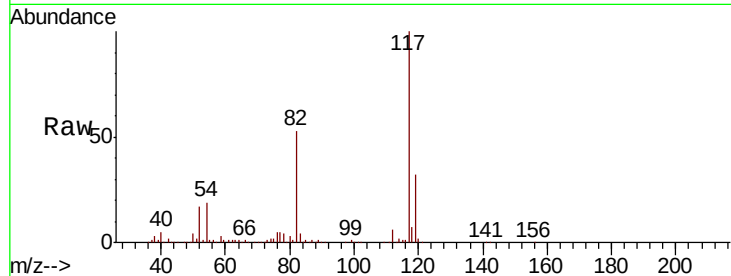




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

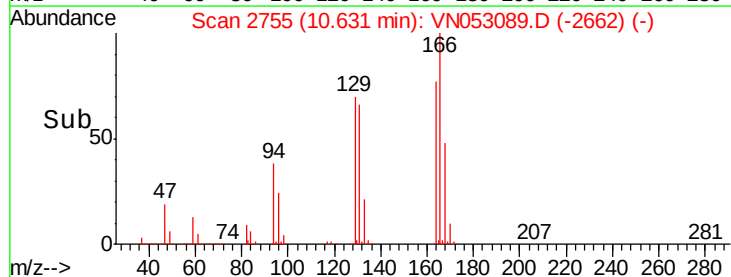
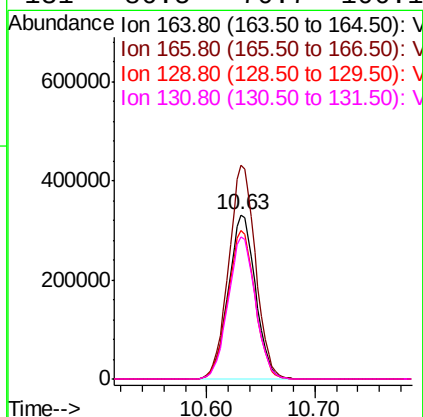
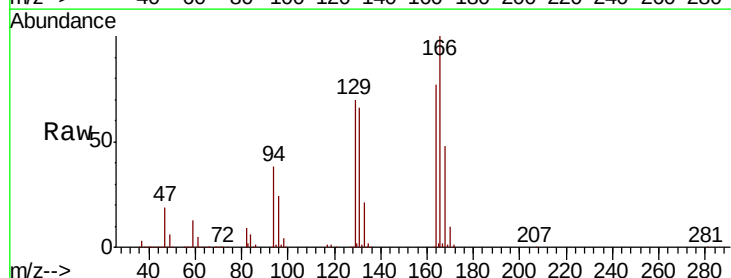
Instrument :
MSVOA_N
ClientSampled :

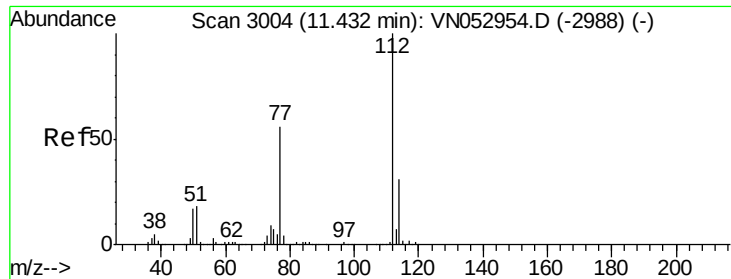
Tot Ion:117 Resp: 1345965
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 39.751 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:164 Resp: 579562
Ion Ratio Lower Upper
164 100
166 130.3 102.9 154.3
129 90.6 73.7 110.5
131 86.5 70.7 106.1

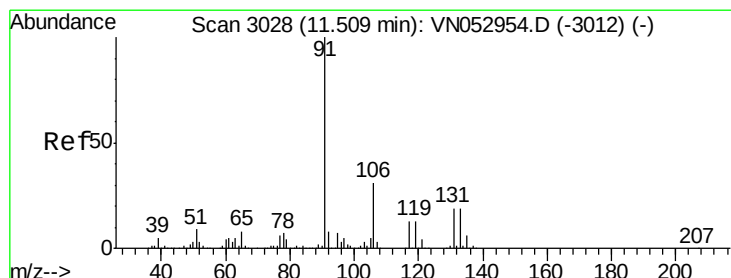
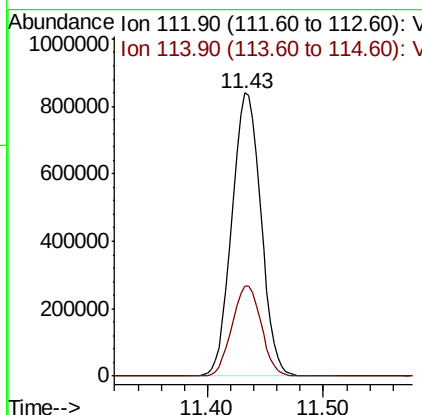
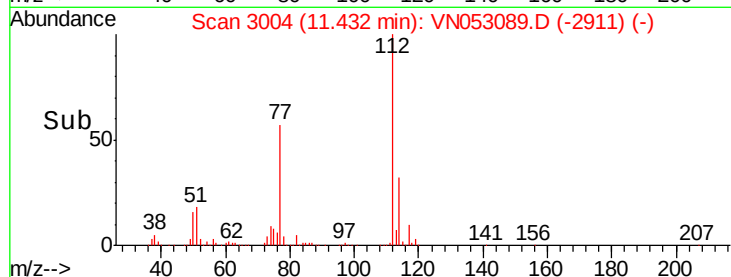
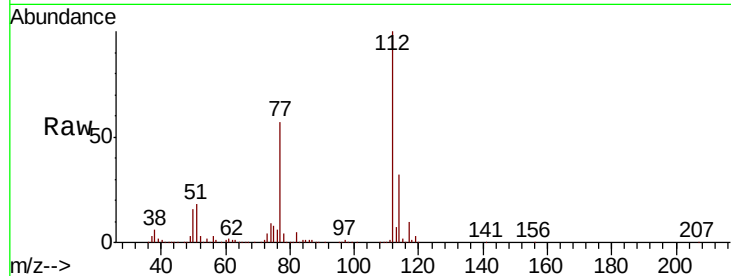




#65
Chlorobenzene
Concen: 48.638 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

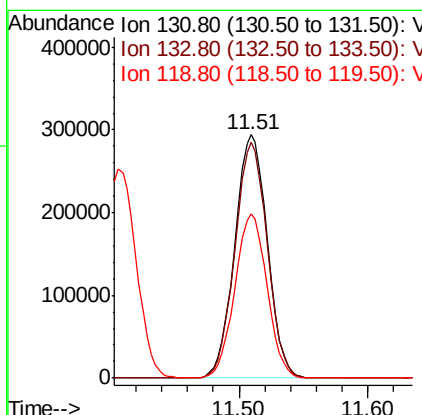
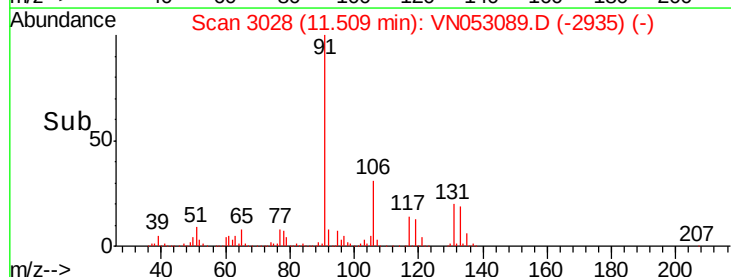
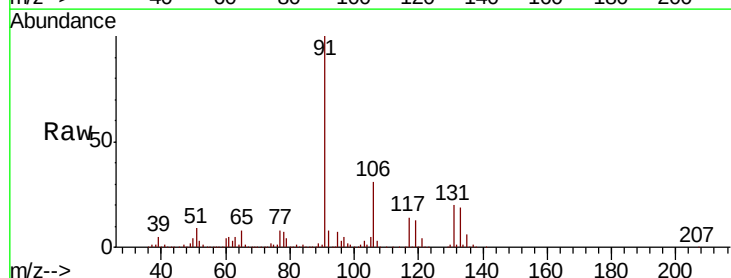
Instrument :
MSVOA_N
ClientSampled :

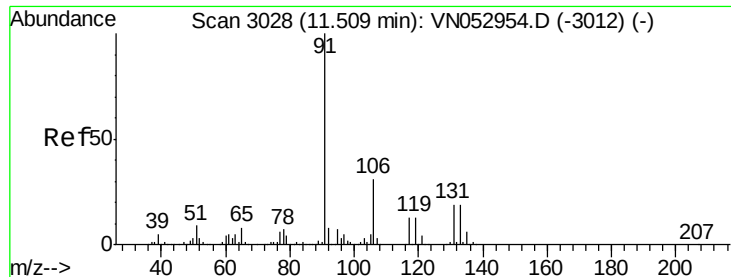
Tot Ion:112 Resp: 1451181
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.762 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:131 Resp: 516304
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 48.735 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

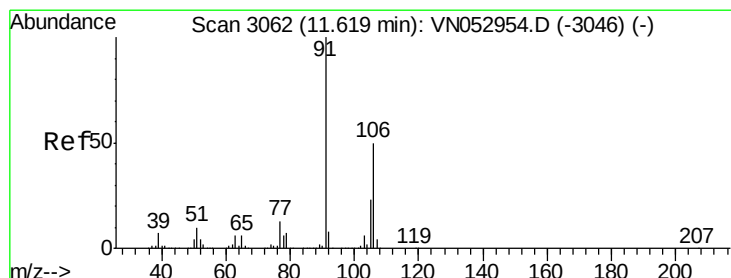
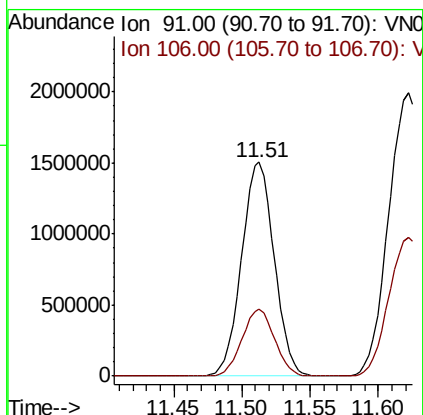
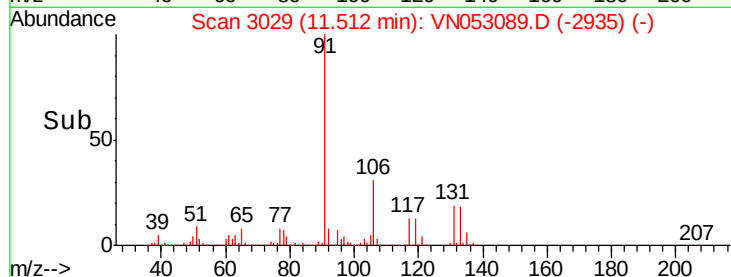
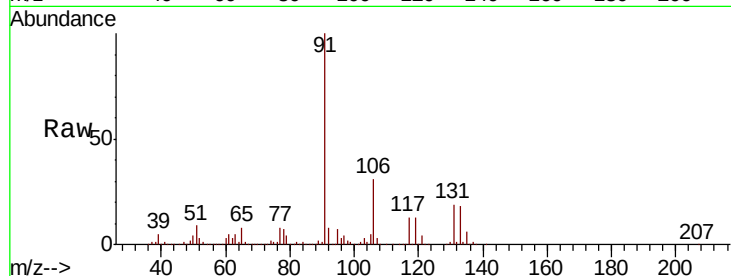
ClientSampled :

Tot Ion: 91 Resp: 2500628

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 96.817 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053089.D

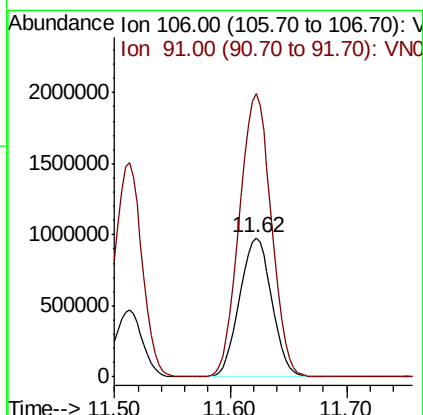
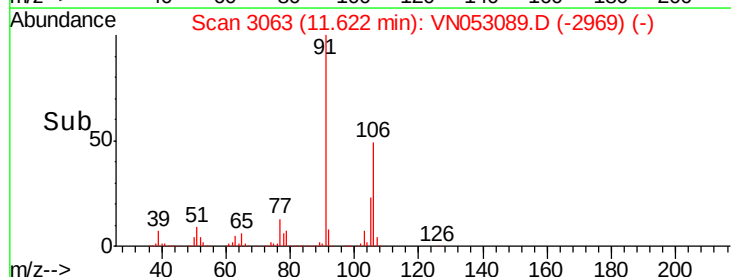
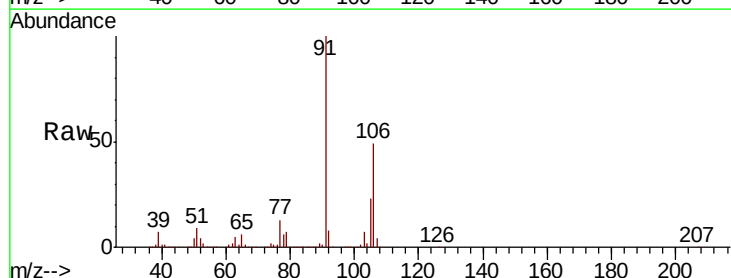
Acq: 21 Dec 2018 6:36

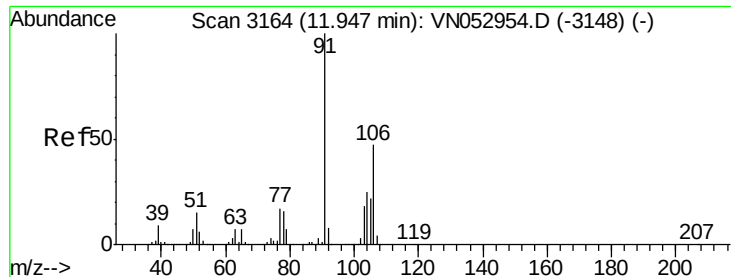
Tgt Ion: 106 Resp: 1888515

Ion Ratio Lower Upper

106 100

91 202.4 162.2 243.4

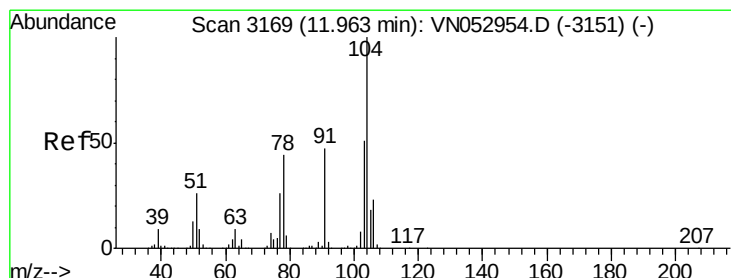
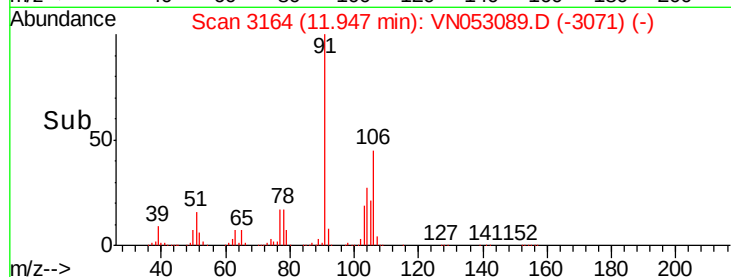
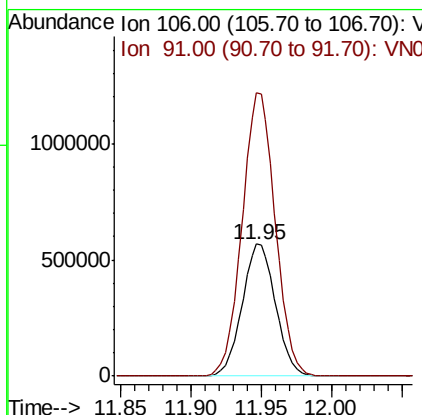
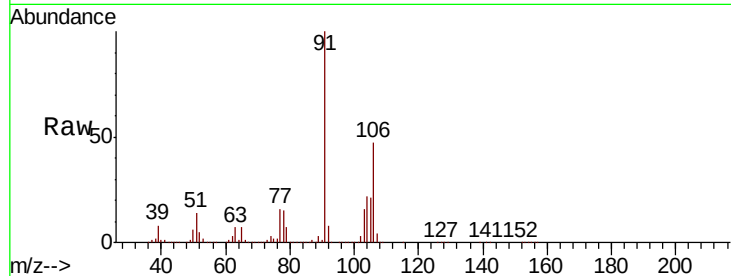




#69
o-Xylene
Concen: 50.153 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

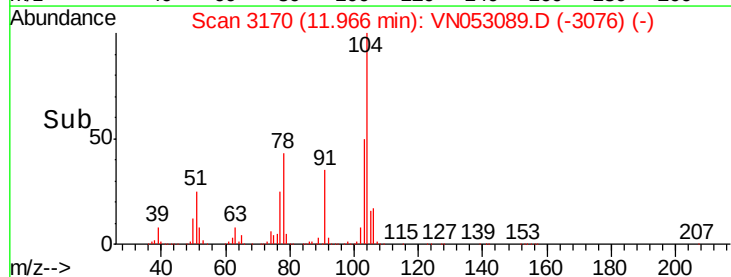
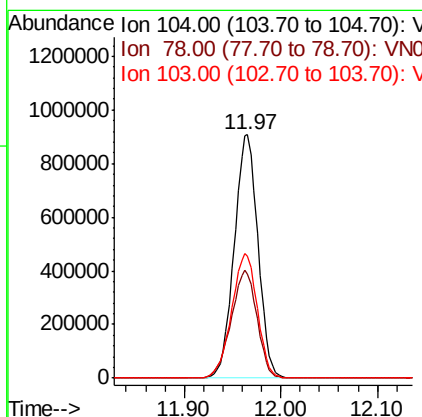
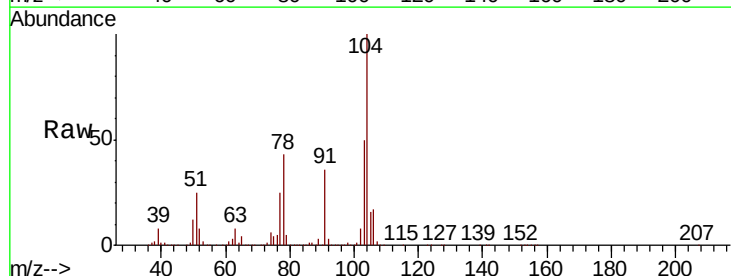
Instrument :
MSVOA_N
ClientSampled :

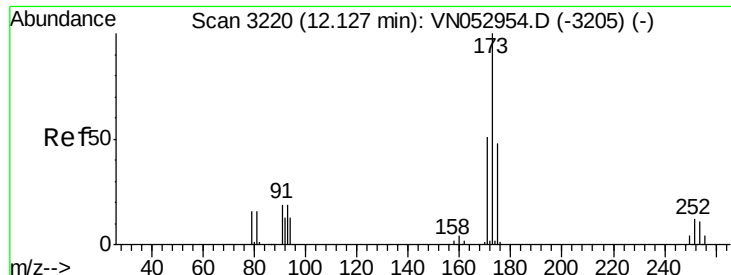
Tot Ion:106 Resp: 938744
Ion Ratio Lower Upper
106 100
91 213.1 106.6 319.8



#70
Styrene
Concen: 50.518 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:104 Resp: 1541859
Ion Ratio Lower Upper
104 100
78 48.3 38.9 58.3
103 55.5 44.3 66.5





#71

Bromoform

Concen: 48.556 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampled :

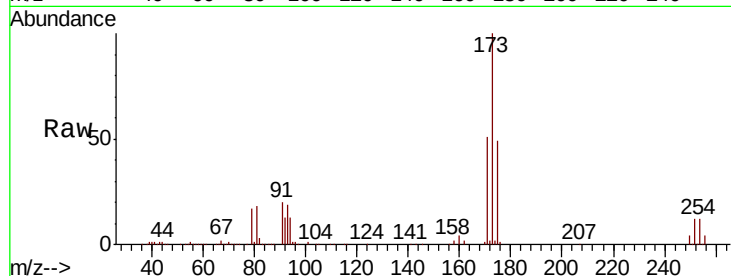
Tot Ion:173 Resp: 363949

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.9

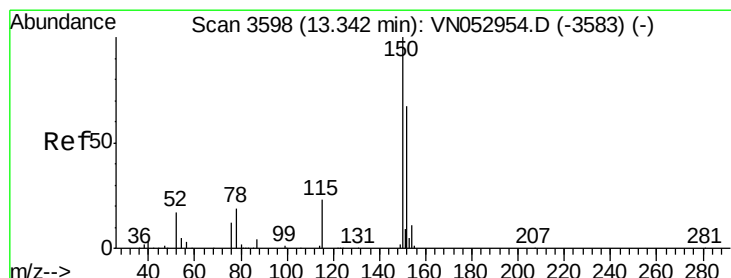
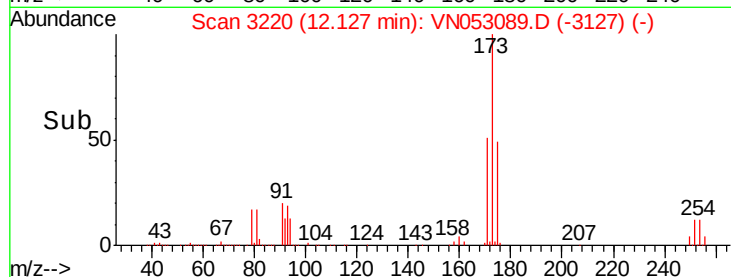
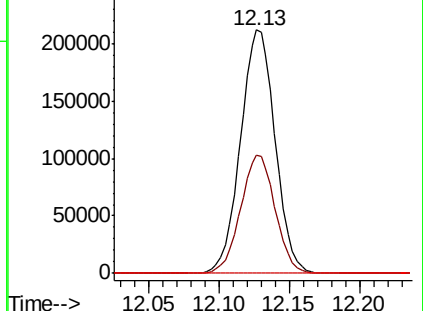
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

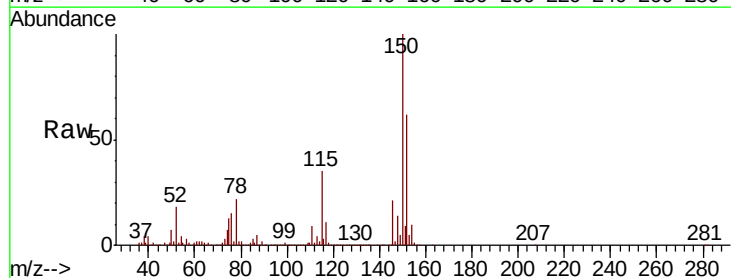
Tgt Ion:152 Resp: 648661

Ion Ratio Lower Upper

152 100

115 57.2 28.3 85.0

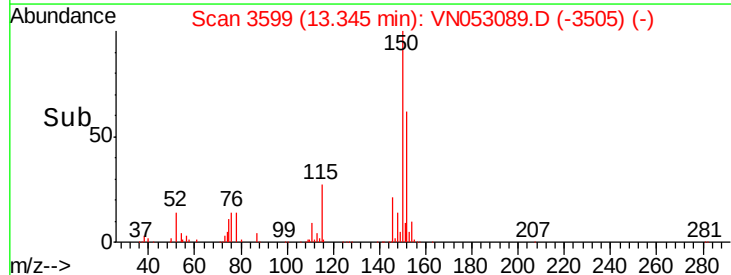
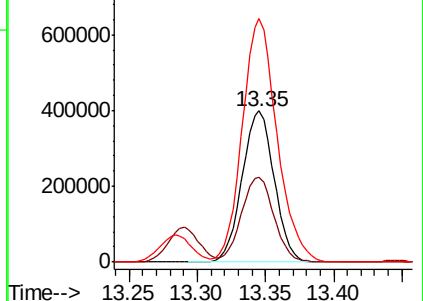
150 175.1 0.0 347.8

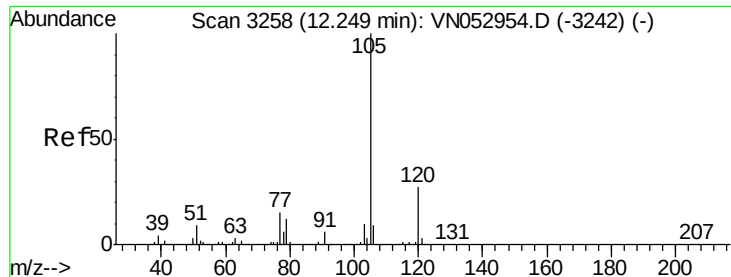


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.188 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

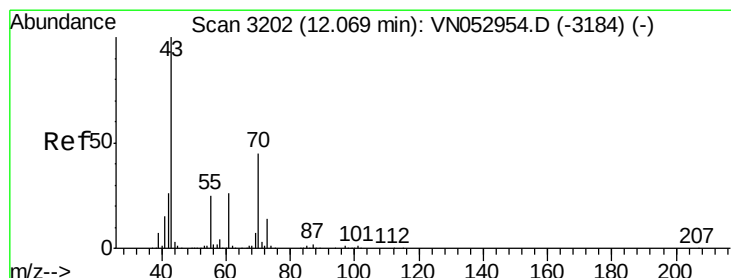
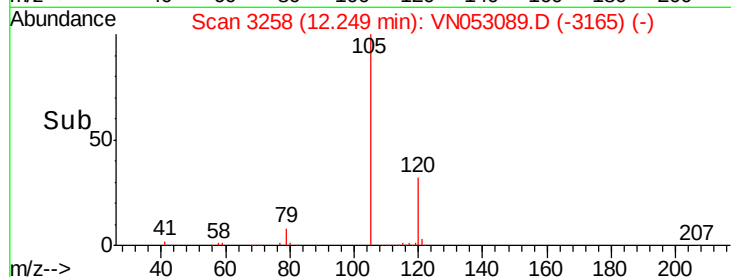
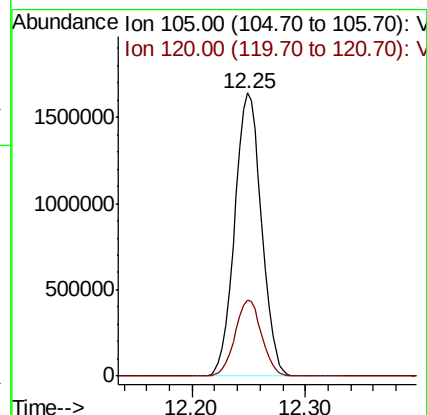
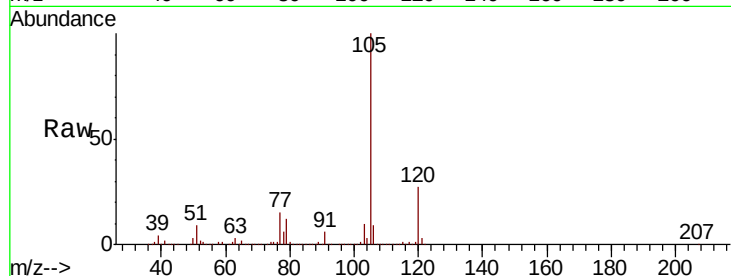
ClientSampleId :

Tot Ion:105 Resp: 2699382

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 59.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 833271

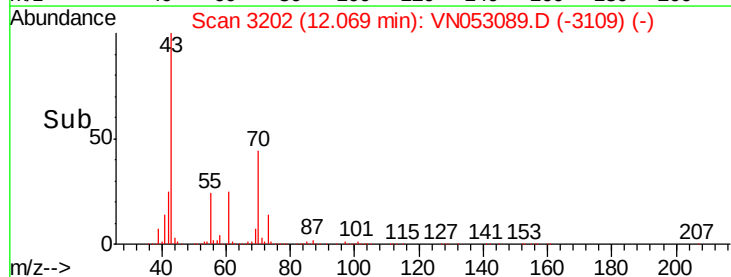
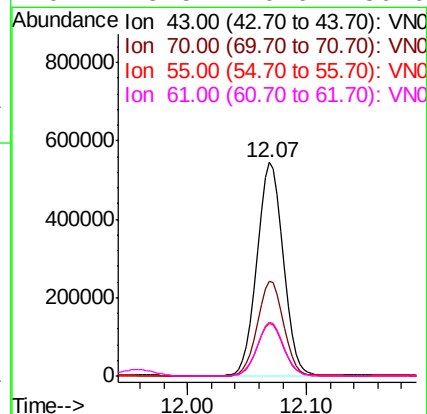
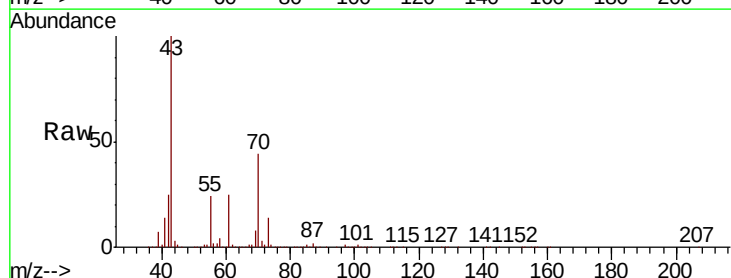
Ion Ratio Lower Upper

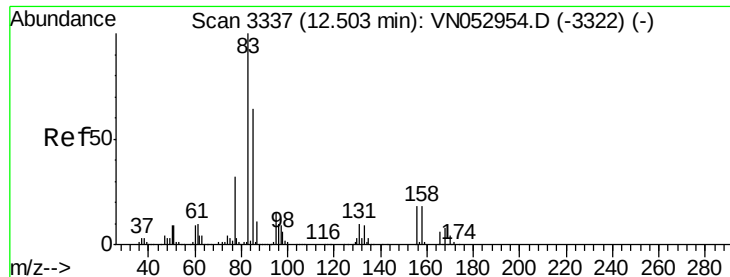
43 100

70 44.7 34.2 51.4

55 24.6 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampled :

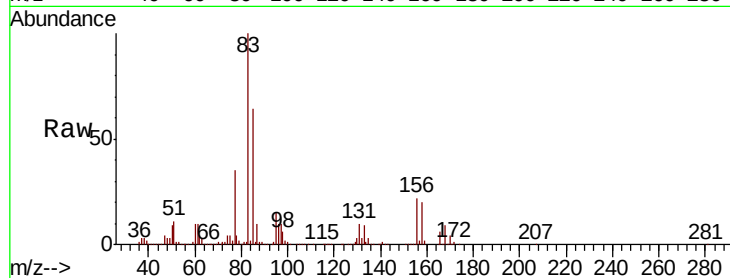
Tot Ion: 83 Resp: 561127

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

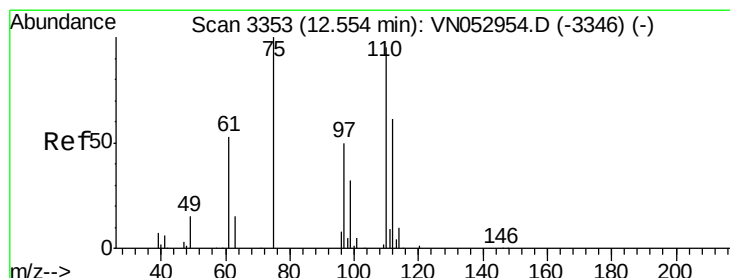
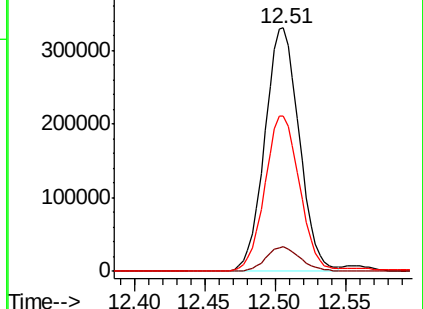
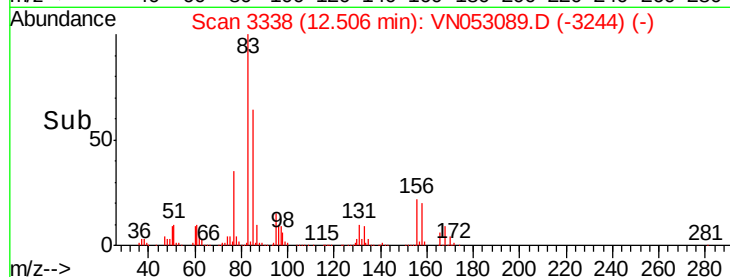
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053089.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053089.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053089.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 65.362 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053089.D

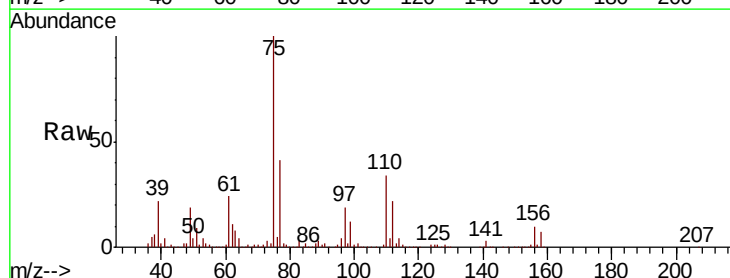
Acq: 21 Dec 2018 6:36

Tgt Ion: 75 Resp: 713725

Ion Ratio Lower Upper

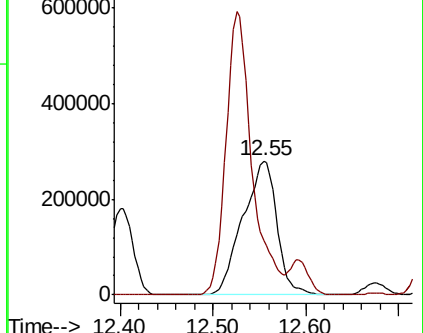
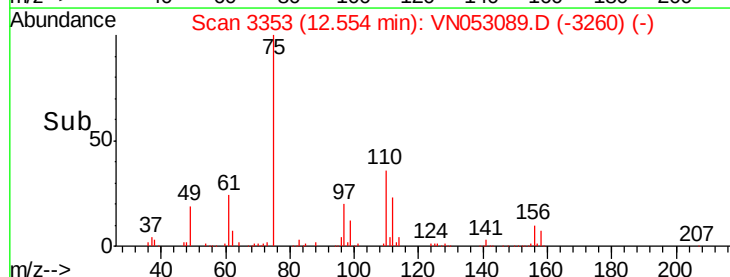
75 100

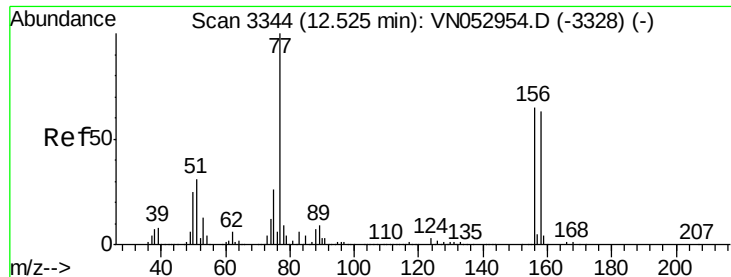
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053089.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053089.D (-3260) (-)





#77

Bromobenzene

Concen: 52.221 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

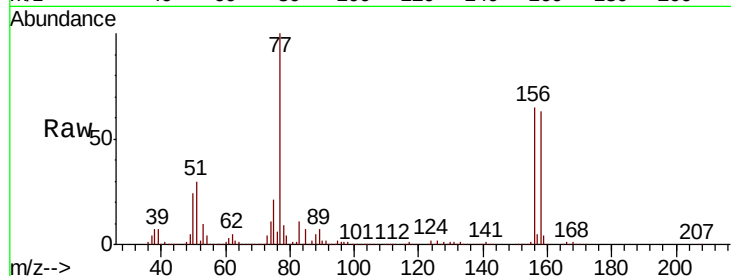
Tot Ion:156 Resp: 688935

Ion Ratio Lower Upper

156 100

77 167.3 91.3 273.8

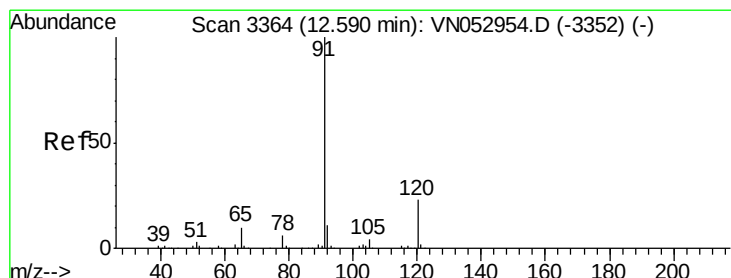
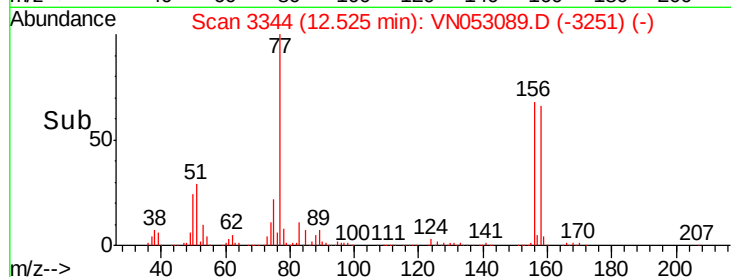
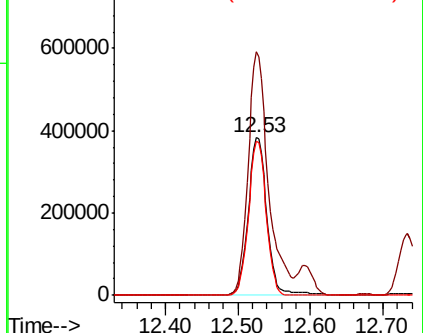
158 91.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.940 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053089.D

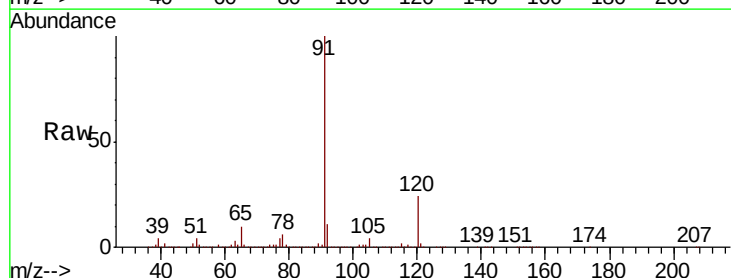
Acq: 21 Dec 2018 6:36

Tgt Ion: 91 Resp: 3117832

Ion Ratio Lower Upper

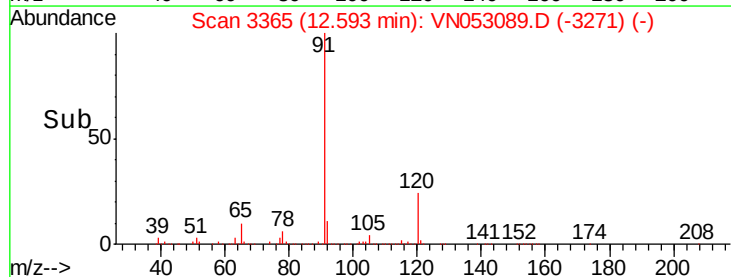
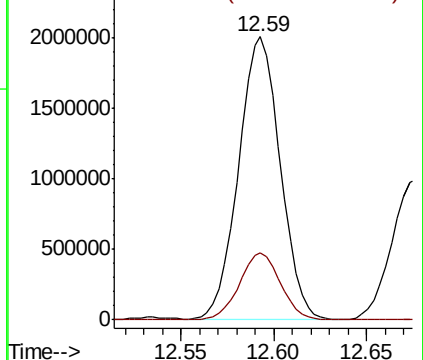
91 100

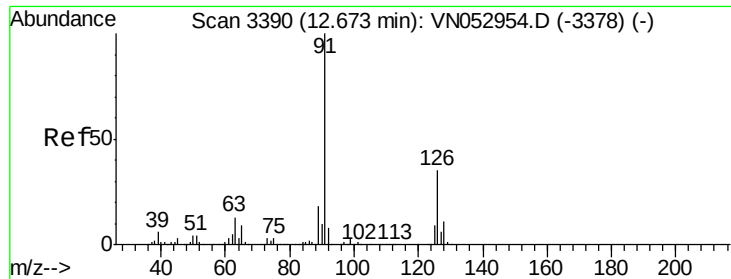
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.952 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

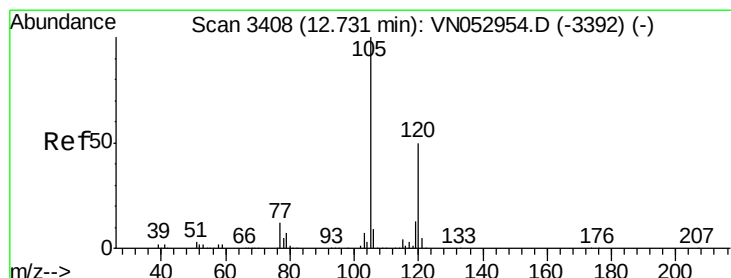
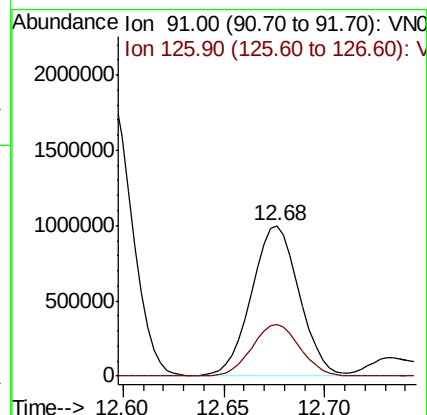
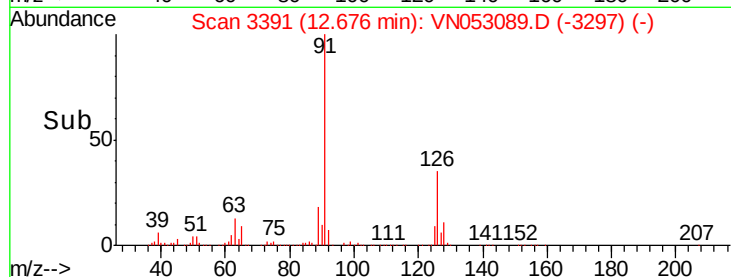
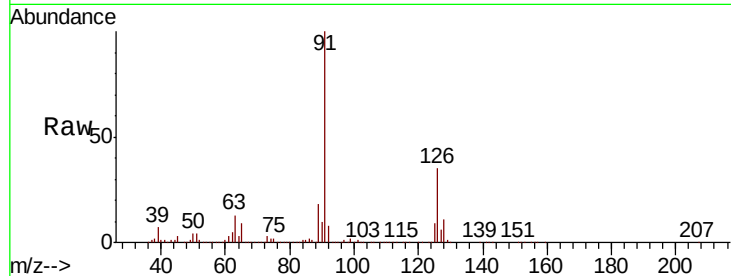
ClientSampled :

Tot Ion: 91 Resp: 1646386

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 47.788 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053089.D

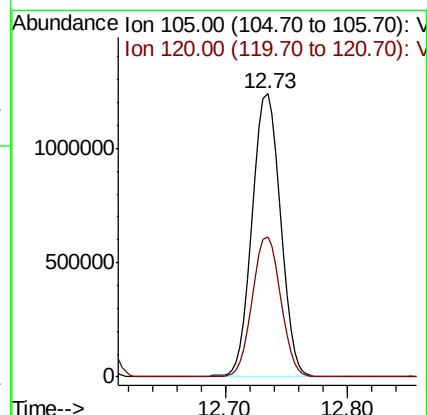
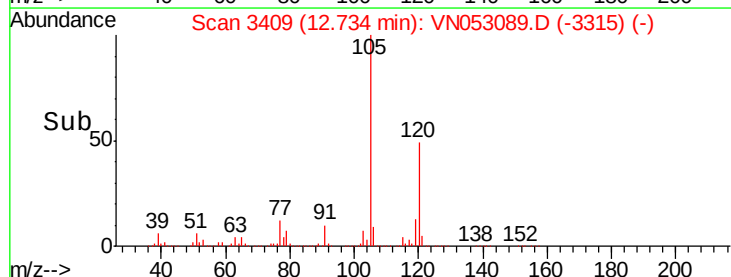
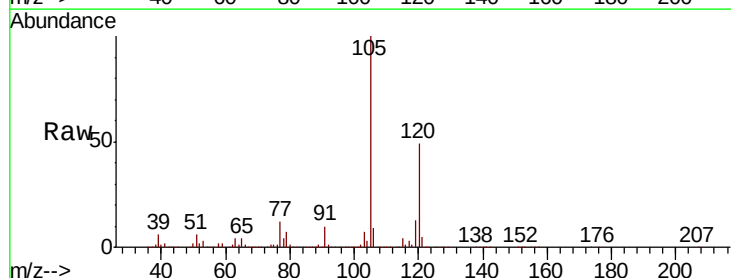
Acq: 21 Dec 2018 6:36

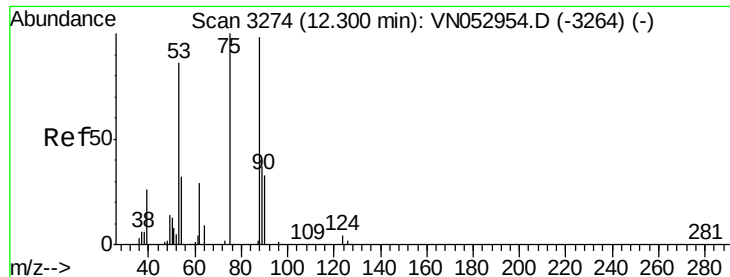
Tgt Ion: 105 Resp: 1976850

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2

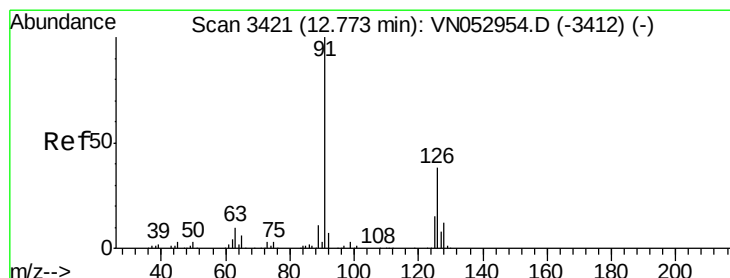
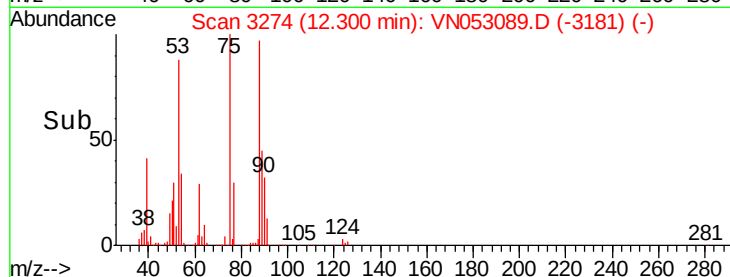
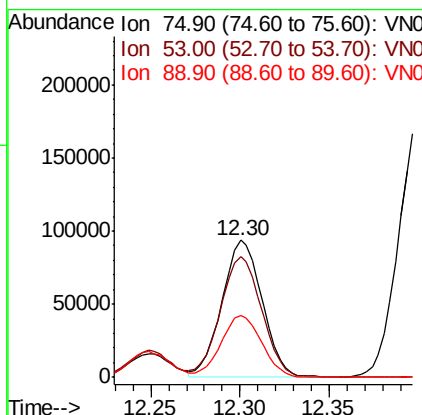
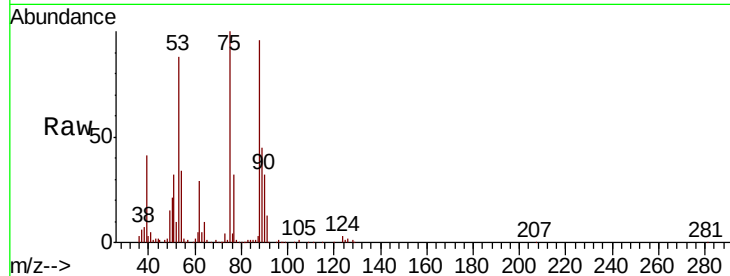




#81
trans-1,4-Dichloro-2-butene
Concen: 43.476 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

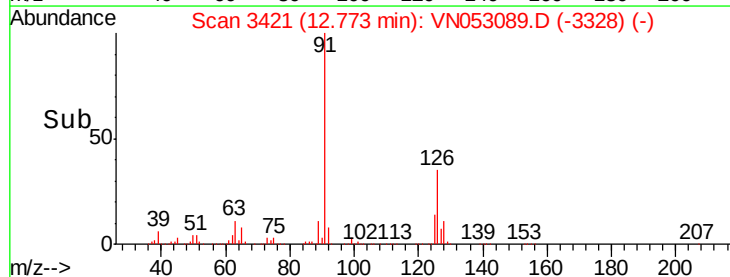
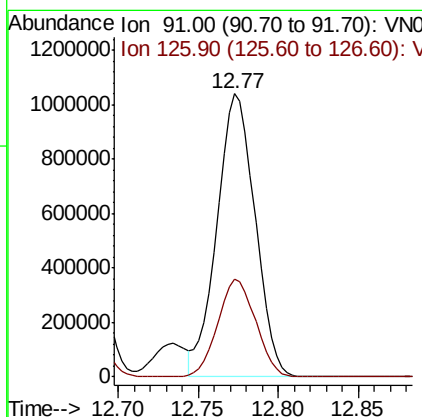
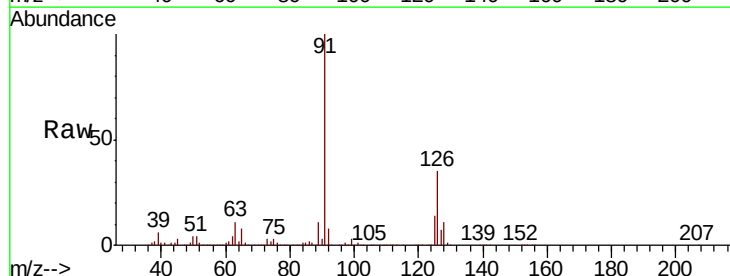
Instrument :
MSVOA_N
ClientSampled :

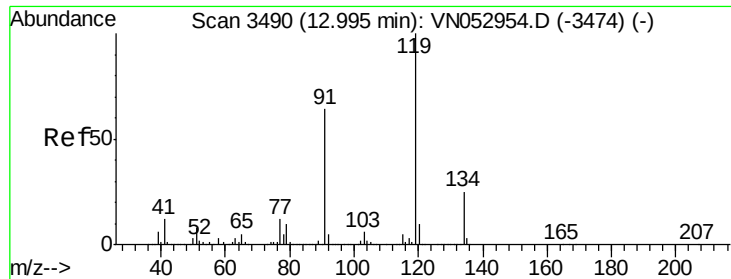
Tot Ion: 75 Resp: 147292
Ion Ratio Lower Upper
75 100
53 90.3 74.7 112.1
89 45.8 36.1 54.1



#82
4-Chlorotoluene
Concen: 48.476 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 91 Resp: 1700179
Ion Ratio Lower Upper
91 100
126 34.4 17.3 51.7

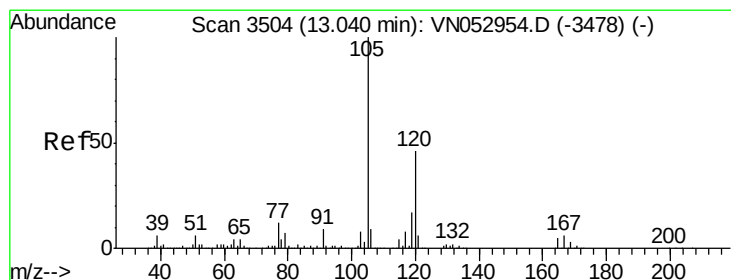
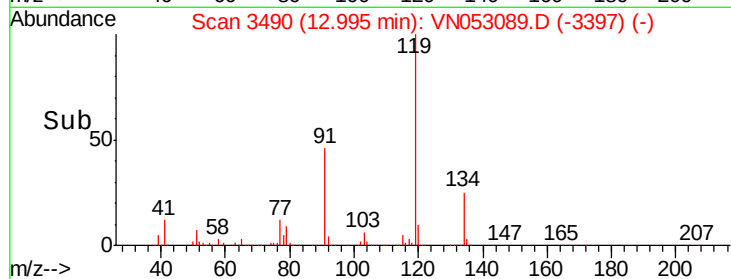
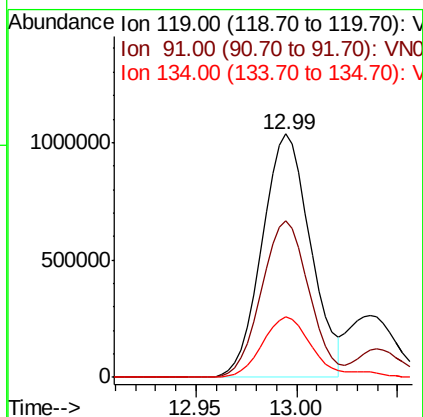
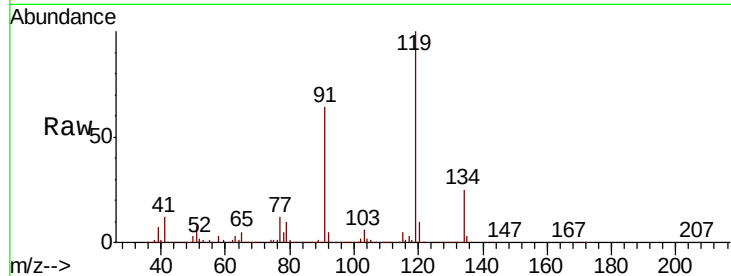




#83
 tert-Butylbenzene
 Concen: 47.420 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

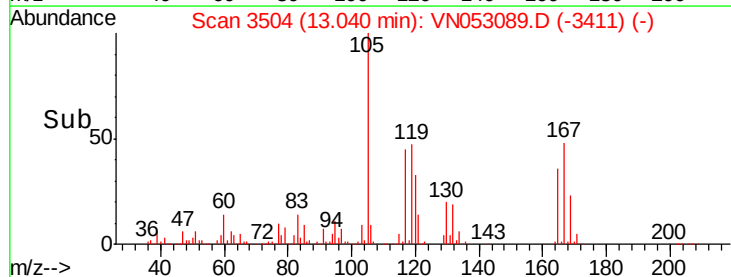
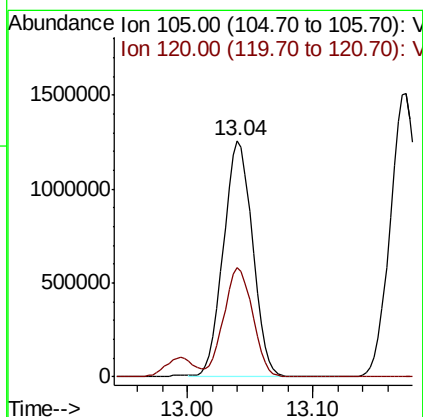
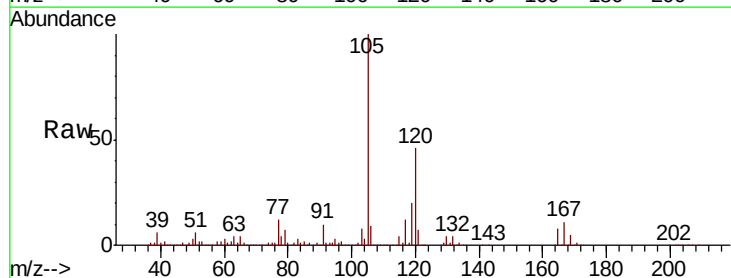
Instrument :
 MSVOA_N
 ClientSampled :

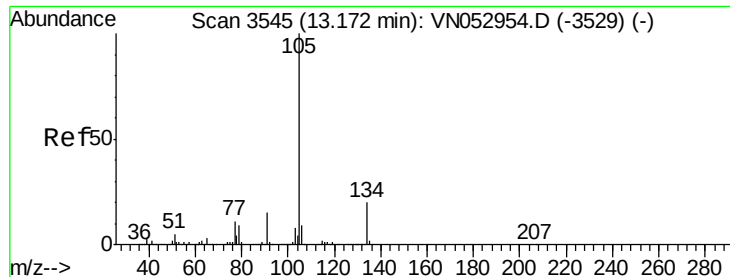
Tot Ion:119 Resp: 1734898
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.9 95.5
 134 26.2 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 48.613 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion:105 Resp: 2021611
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 48.647 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

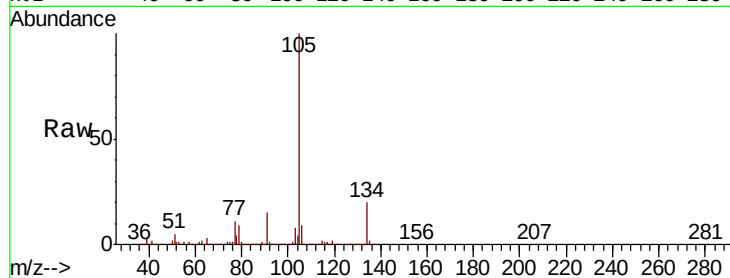
ClientSampleId :

Tot Ion:105 Resp: 2407341

Ion Ratio Lower Upper

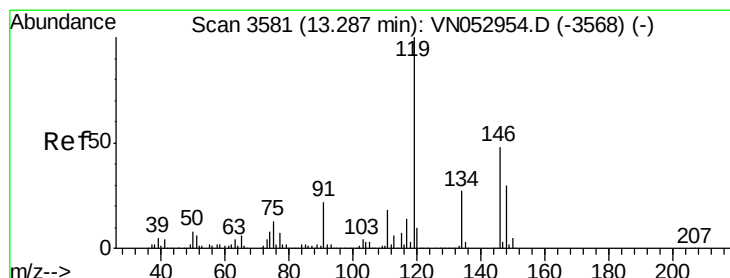
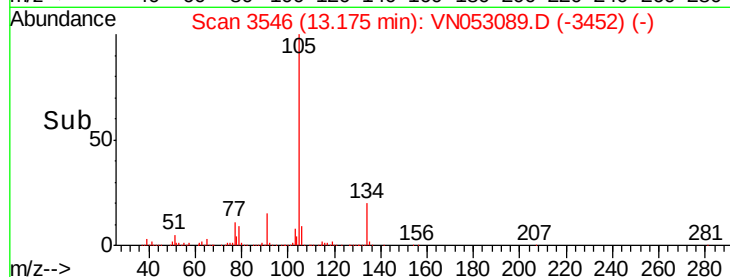
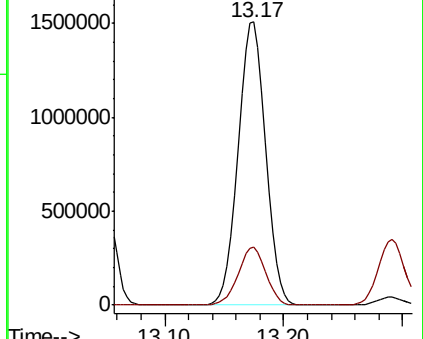
105 100

134 20.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.657 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

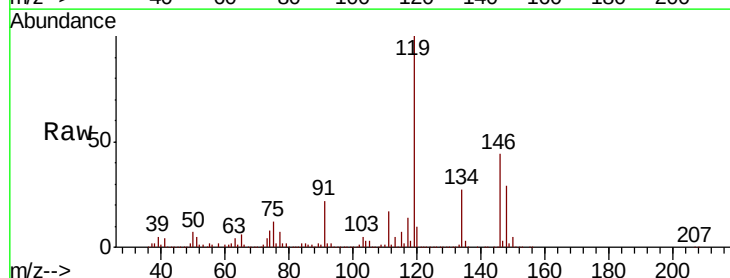
Tgt Ion:119 Resp: 1995033

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

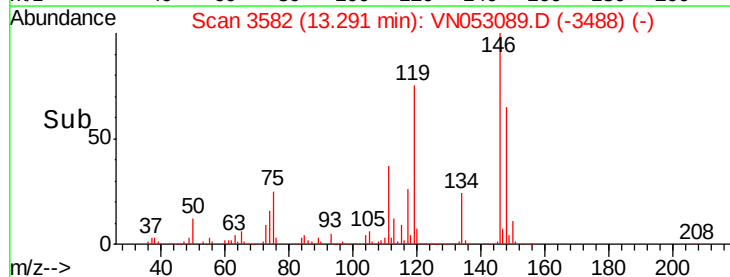
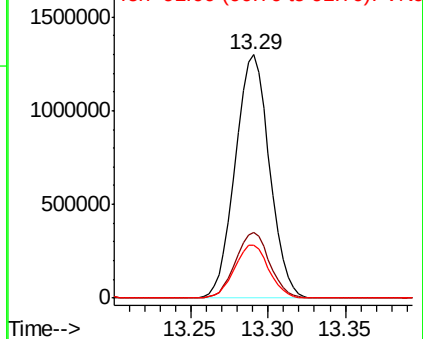
91 21.8 11.1 33.3

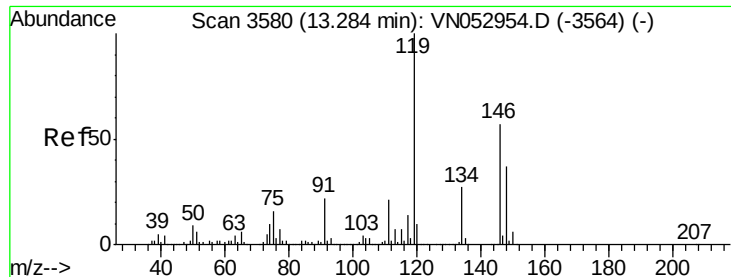


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.882 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampled :

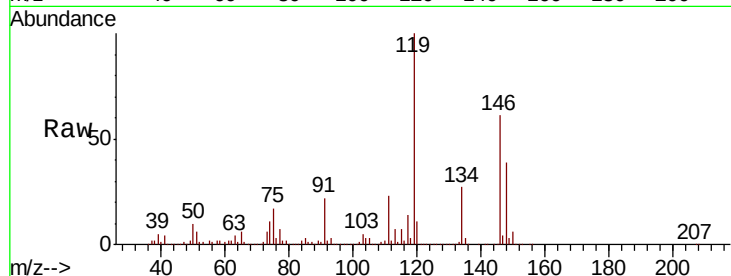
Tot Ion:146 Resp: 1118026

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.3	32.0	96.0

146 100

111 38.2 19.1 57.1

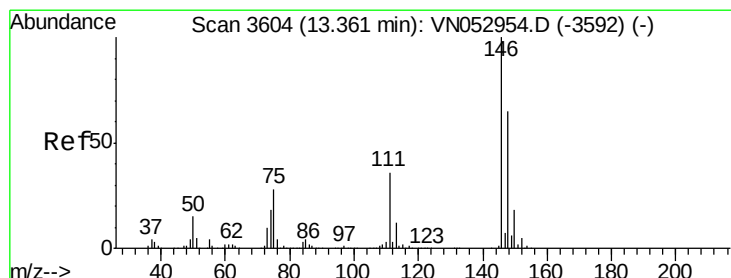
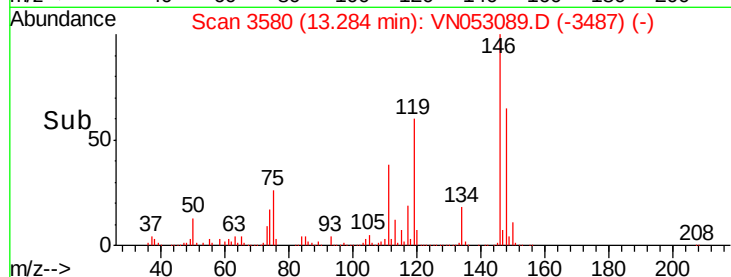
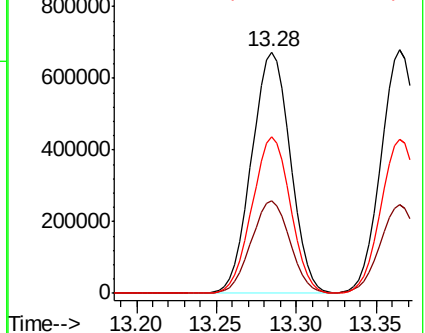
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.041 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

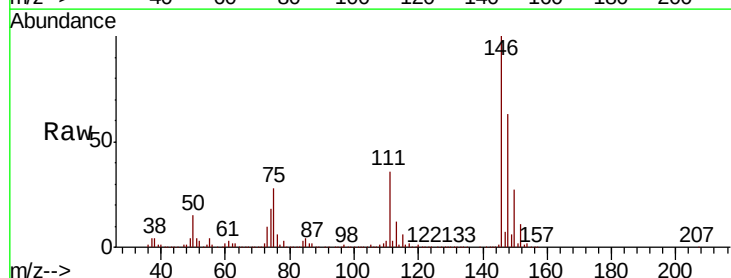
Tgt Ion:146 Resp: 1112327

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.0	32.1	96.5

146 100

111 37.0 18.6 55.8

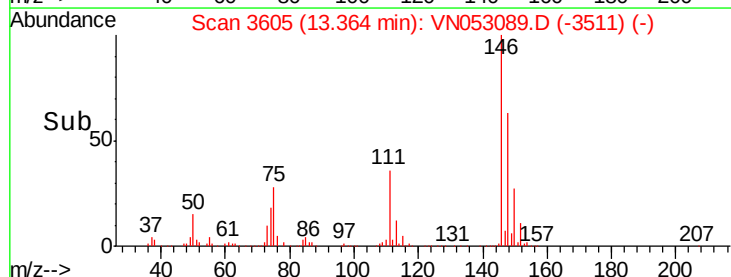
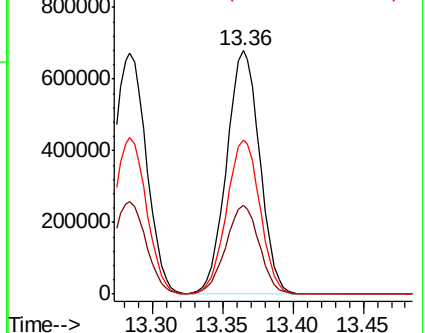
148 64.0 32.1 96.5

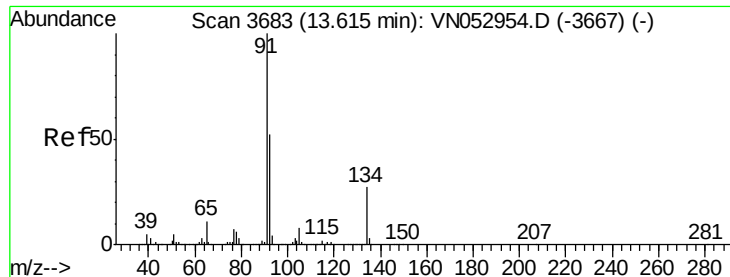


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

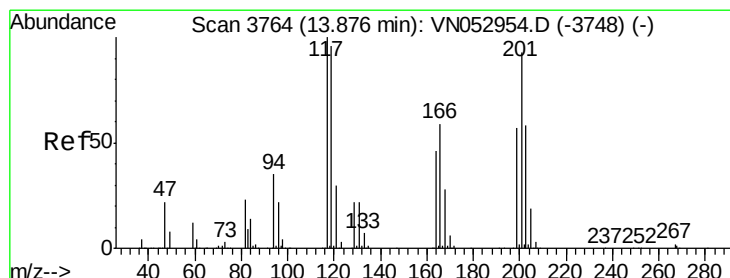
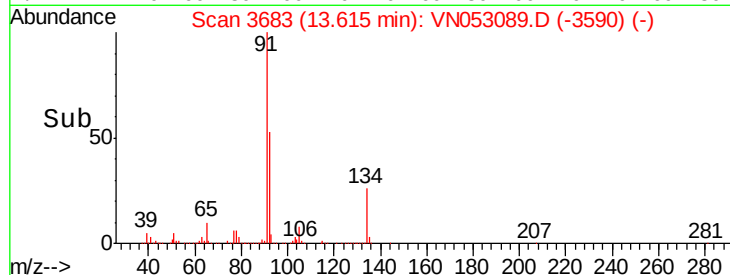
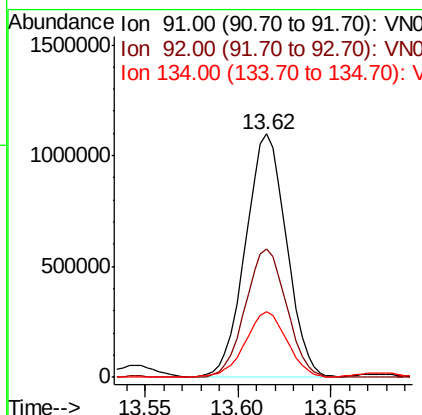
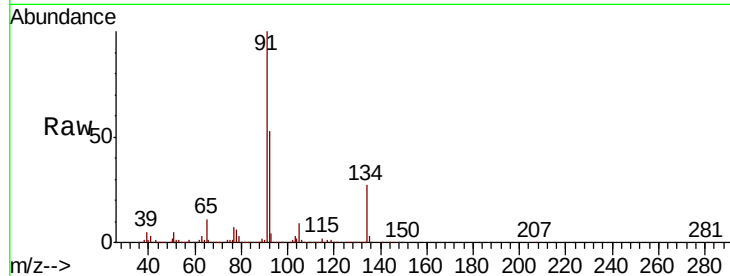




#89
n-Butylbenzene
Concen: 45.494 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

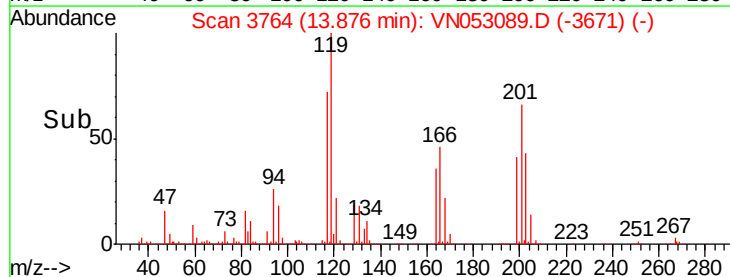
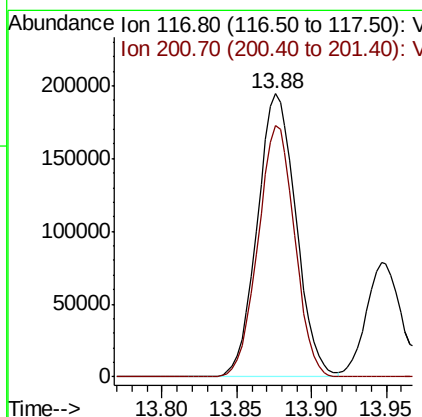
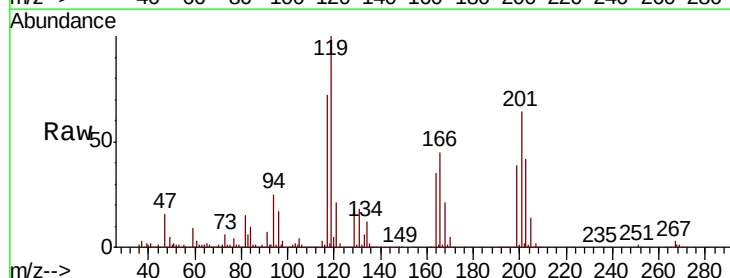
Instrument :
MSVOA_N
ClientSampled :

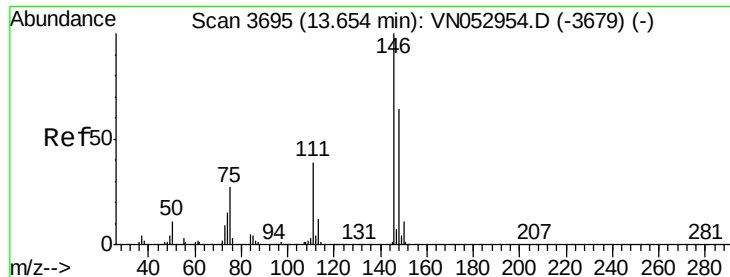
Tot Ion: 91 Resp: 1673577
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 28.0 13.3 39.8



#90
Hexachloroethane
Concen: 53.050 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 117 Resp: 348104
Ion Ratio Lower Upper
117 100
201 84.3 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

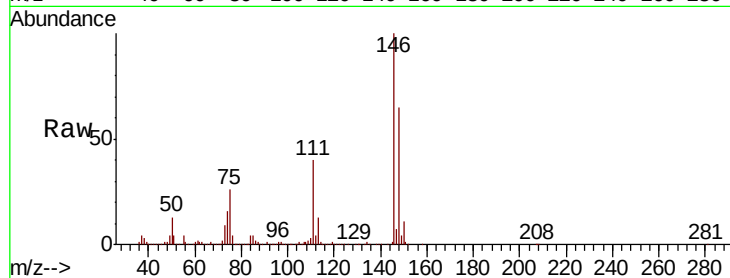
Tot Ion:146 Resp: 1072317

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

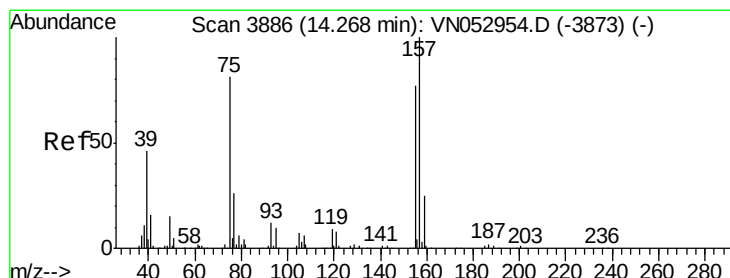
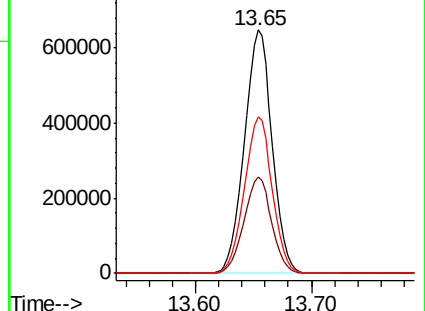
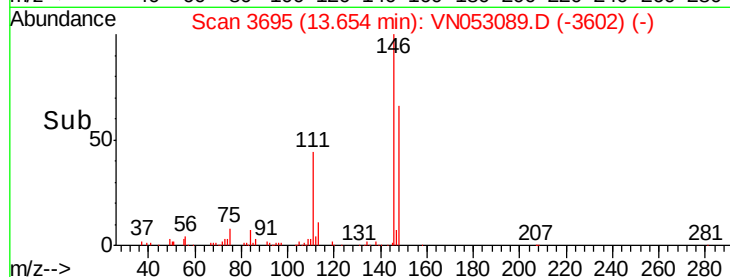
148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.659 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

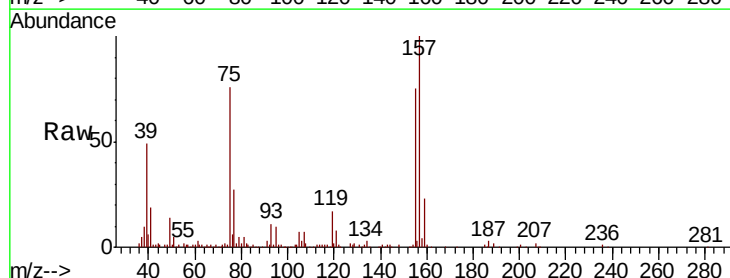
Tgt Ion: 75 Resp: 85493

Ion Ratio Lower Upper

75 100

155 97.6 48.2 144.6

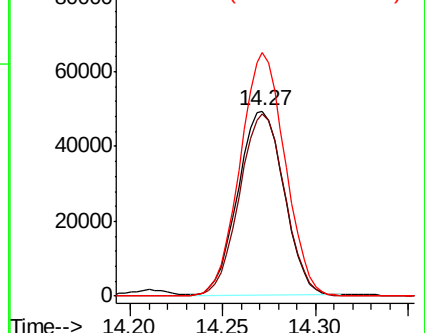
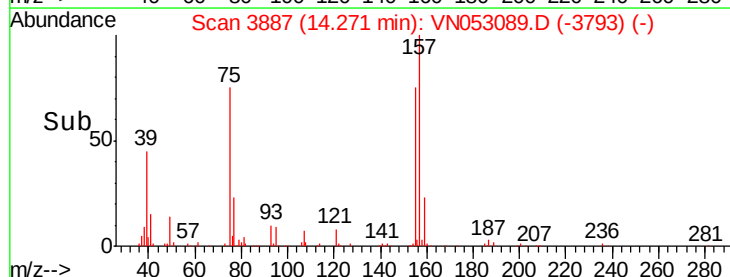
157 128.9 61.2 183.5

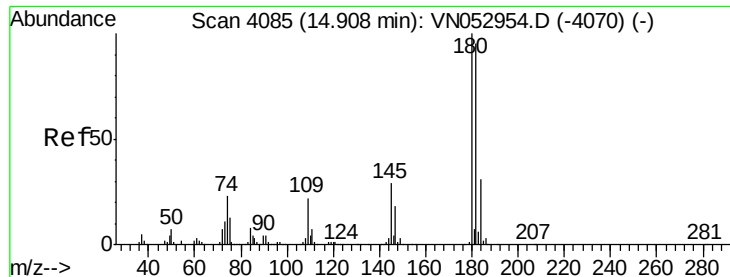


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

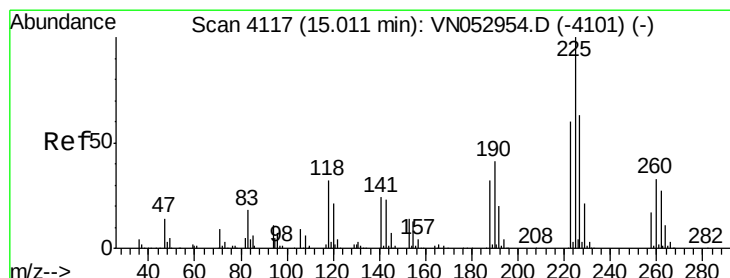
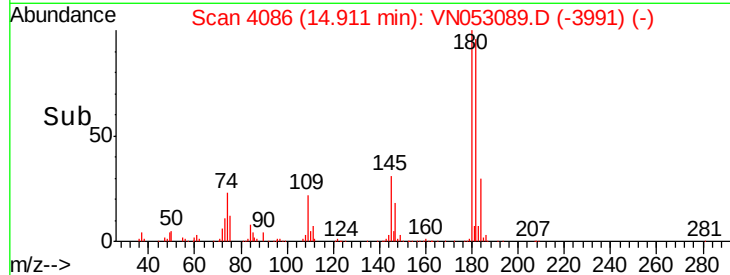
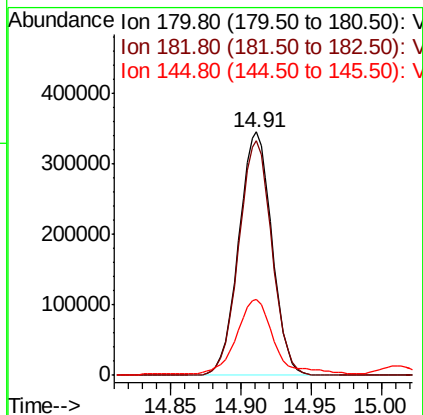
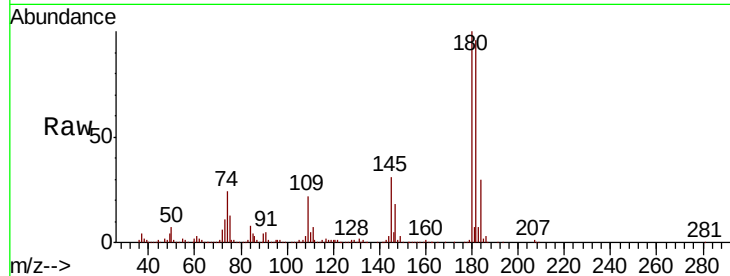




#93
 1,2,4-Trichlorobenzene
 Concen: 48.802 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

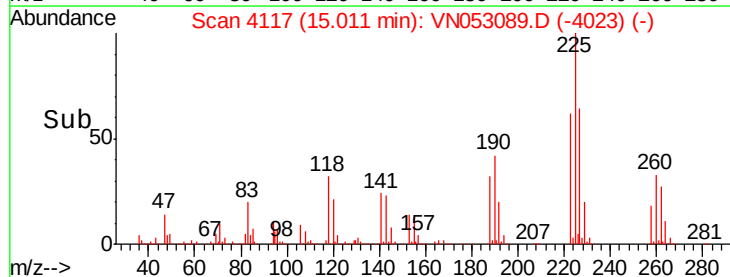
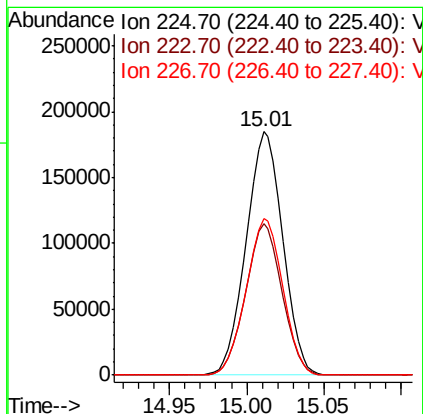
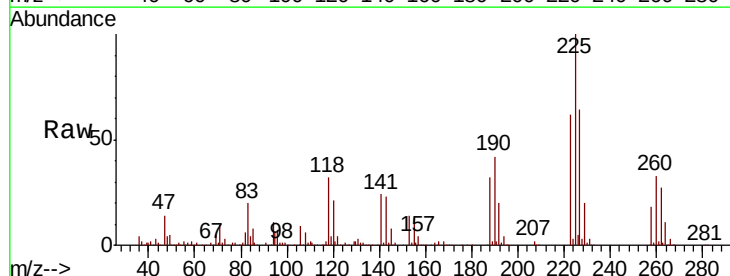
Instrument :
 MSVOA_N
 ClientSampled :

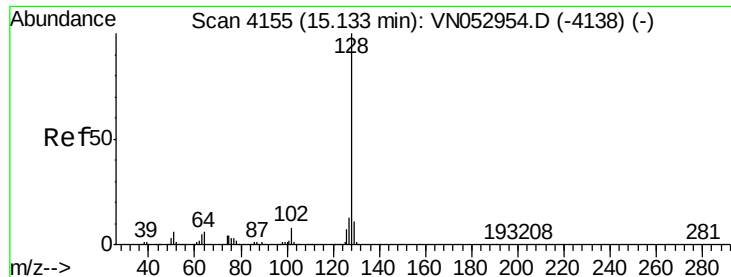
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	34.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 50.671 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.5	94.5
227	64.1	31.9	95.7





#95

Naphthalene

Concen: 60.497 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampled :

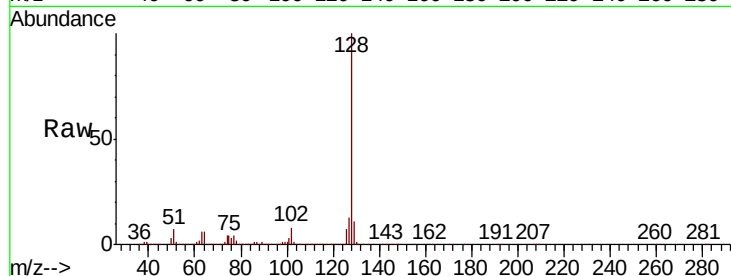
Tot Ion:128 Resp: 1549176

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

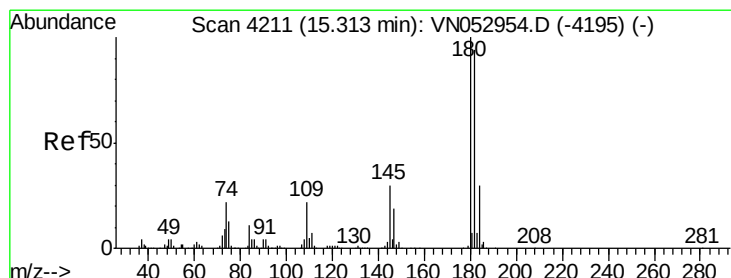
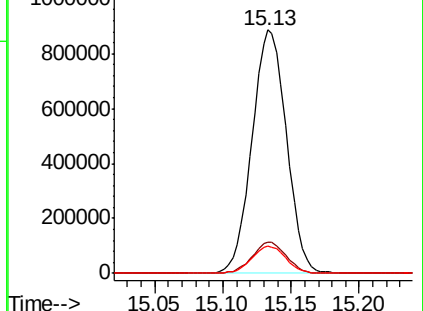
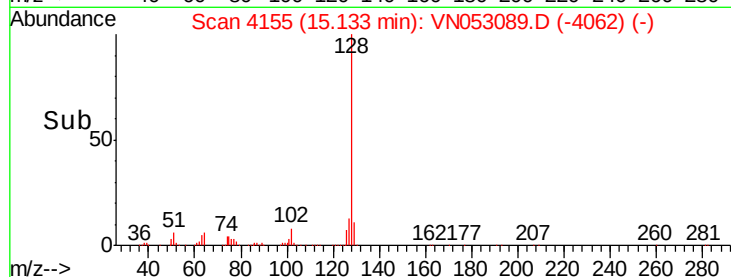
129 10.9 8.6 13.0



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: 49.961 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

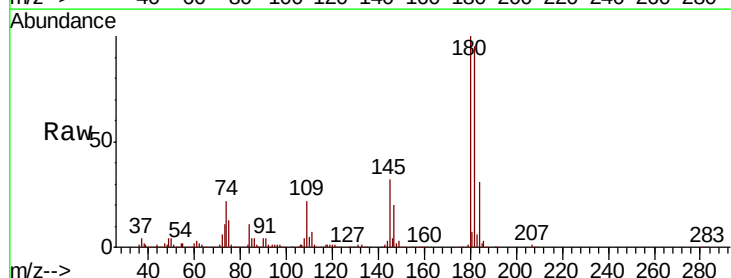
Tgt Ion:180 Resp: 523795

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 34.1 15.0 45.0



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

