

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052889.D
 Acq On : 14 Dec 2018 15:21
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 02:57:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1233645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1842926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1660254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	770040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	643317	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.59	113	418101	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
50) Toluene-d8	10.09	98	2371018	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.40	95	816936	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	629165	49.544	ug/l	99
3) Chloromethane	2.06	50	712323	46.736	ug/l	98
4) Vinyl Chloride	2.19	62	738887	48.457	ug/l	100
5) Bromomethane	2.57	94	440674	46.856	ug/l	99
6) Chloroethane	2.71	64	436343	48.412	ug/l	99
7) Trichlorofluoromethane	3.03	101	937166	49.573	ug/l	99
8) Diethyl Ether	3.41	74	332571	48.226	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	597616	51.007	ug/l	99
10) Methyl Iodide	3.96	142	814939	49.667	ug/l	99
11) Tert butyl alcohol	4.77	59	154943	211.403	ug/l	98
12) 1,1-Dichloroethene	3.74	96	551931	48.662	ug/l	99
13) Acrolein	3.61	56	54746	79.335	ug/l	100
14) Allyl chloride	4.33	41	910619	49.155	ug/l	97
15) Acrylonitrile	4.99	53	927756	225.633	ug/l	99
16) Acetone	3.82	43	606123	205.743	ug/l	98
17) Carbon Disulfide	4.06	76	1629938	46.780	ug/l	100
18) Methyl Acetate	4.32	43	497550	46.019	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1460736	47.440	ug/l	100
20) Methylene Chloride	4.55	84	621472	46.876	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	588826	47.919	ug/l	99
22) Diisopropyl ether	5.95	45	1897201	48.004	ug/l	99
23) Vinyl Acetate	5.90	43	5270727	224.124	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1096624	48.116	ug/l	99
25) 2-Butanone	6.83	43	978760	214.115	ug/l	98
26) 2,2-Dichloropropane	6.83	77	848842	50.575	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	673919	48.322	ug/l	99
28) Bromochloromethane	7.20	49	505394	49.383	ug/l	98
29) Tetrahydrofuran	7.21	42	686159	219.875	ug/l	98
30) Chloroform	7.37	83	1085426	48.838	ug/l	100
31) Cyclohexane	7.66	56	1077246	48.445	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	912124	49.052	ug/l	99
36) 1,1-Dichloropropene	7.80	75	866806	51.076	ug/l	100
37) Ethyl Acetate	6.93	43	465125	45.623	ug/l	100
38) Carbon Tetrachloride	7.78	117	779103	49.876	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1087685	52.227	ug/l	99
40) Benzene	8.04	78	2545401	49.973	ug/l	99
41) Methacrylonitrile	7.17	41	285436	50.530	ug/l	92
42) 1,2-Dichloroethane	8.13	62	752003	49.040	ug/l	100
43) Isopropyl Acetate	8.16	43	887922	42.479	ug/l	99
44) Trichloroethene	8.84	130	753841	54.792	ug/l	97
45) 1,2-Dichloropropane	9.12	63	670209	50.235	ug/l	97
46) Dibromomethane	9.21	93	379248	49.016	ug/l	99
47) Bromodichloromethane	9.40	83	809402	50.447	ug/l	99
48) Methyl methacrylate	9.20	41	450619	49.158	ug/l	99
49) 1,4-Dioxane	9.20	88	99195	953.340	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2260017	235.793	ug/l	99
52) Toluene	10.16	92	1586051	51.412	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	838783	51.951	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	988566	51.382	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	541070	49.132	ug/l	99
56) Ethyl methacrylate	10.43	69	713147	50.460	ug/l	99
57) 1,3-Dichloropropane	10.71	76	936851	49.609	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1945054	246.652	ug/l	99
59) 2-Hexanone	10.75	43	1525155	232.189	ug/l	100
60) Dibromochloromethane	10.90	129	596858	50.148	ug/l	100
61) 1,2-Dibromoethane	11.01	107	542417	49.829	ug/l	100
64) Tetrachloroethene	10.63	164	941271	65.964	ug/l	98
65) Chlorobenzene	11.44	112	1757704	51.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	606298	50.612	ug/l	99
67) Ethyl Benzene	11.51	91	3063059	51.783	ug/l	100
68) m/p-Xylenes	11.62	106	2323815	104.626	ug/l	100
69) o-Xylene	11.95	106	1130942	52.145	ug/l	100
70) Styrene	11.97	104	1852170	53.124	ug/l	100
71) Bromoform	12.13	173	393600	48.364	ug/l #	100
73) Isopropylbenzene	12.25	105	3031278	52.723	ug/l	100
74) N-amyl acetate	12.07	43	805794	51.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	483798	37.547	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	806632	71.000	ug/l #	100
77) Bromobenzene	12.53	156	758848	51.893	ug/l	97
78) n-propylbenzene	12.59	91	3478279	53.046	ug/l	100
79) 2-Chlorotoluene	12.68	91	1990005	51.335	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2425081	52.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	183216	51.807	ug/l	97
82) 4-Chlorotoluene	12.77	91	2061210	52.006	ug/l	100
83) tert-Butylbenzene	12.99	119	2128580	51.991	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2451217	52.169	ug/l	100
85) sec-Butylbenzene	13.17	105	2925251	52.758	ug/l	100
86) p-Isopropyltoluene	13.29	119	2542567	52.929	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1324079	50.952	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1306863	50.782	ug/l	100
89) n-Butylbenzene	13.62	91	2195948	54.302	ug/l	100
90) Hexachloroethane	13.88	117	362420	45.056	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1226831	49.078	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84784	43.651	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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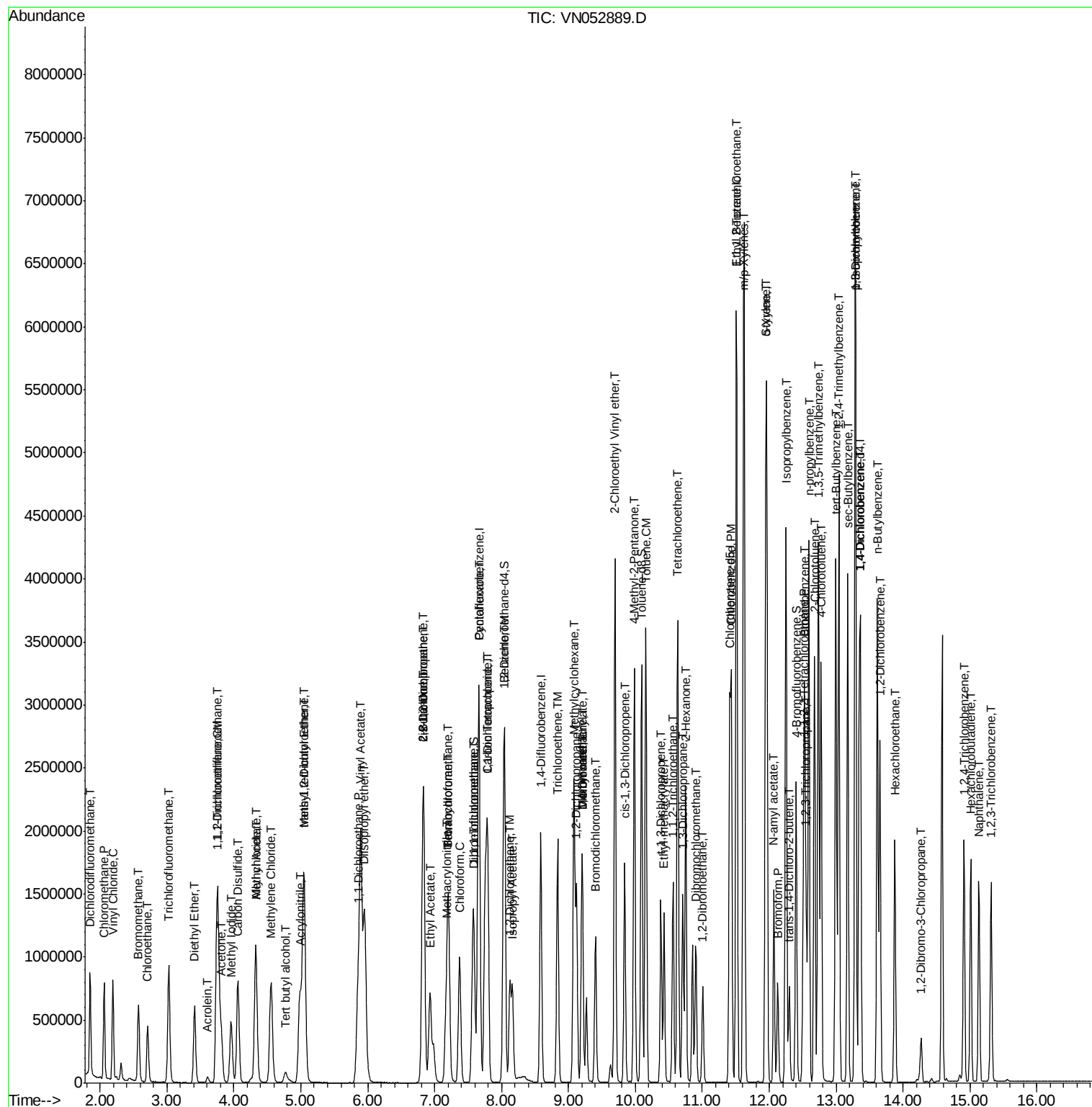
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	677276	49.843	ug/l	100
94) Hexachlorobutadiene	15.01	225	382147	48.588	ug/l	100
95) Naphthalene	15.13	128	1393529	49.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	591418	47.434	ug/l	99

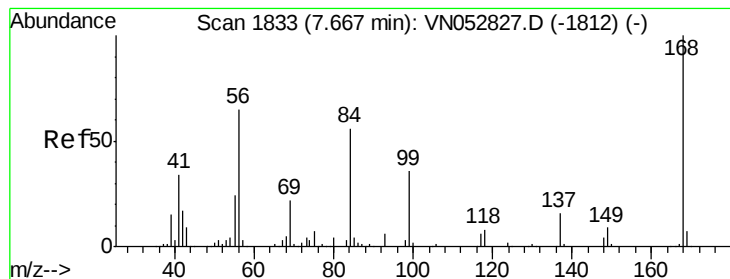
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

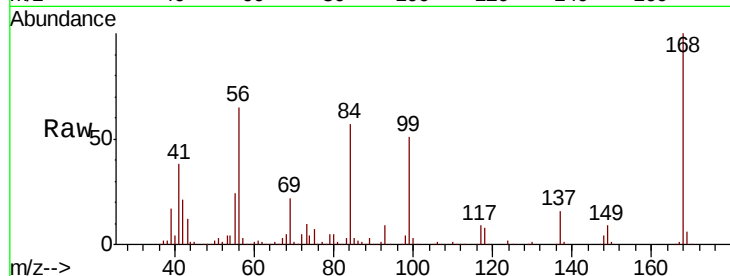
ClientSampleId :

Tot Ion:168 Resp: 1233645

Ion Ratio Lower Upper

168 100

99 51.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

100000

0

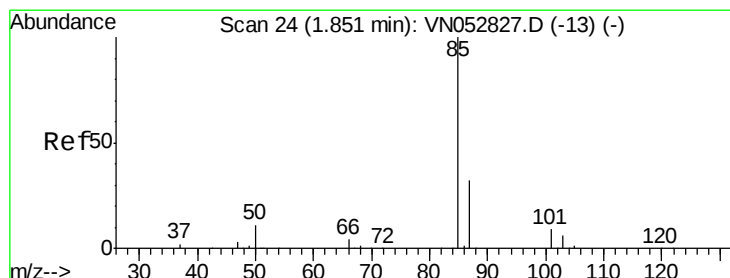
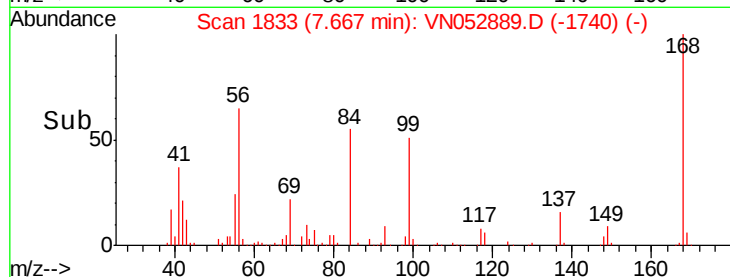
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.544 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052889.D

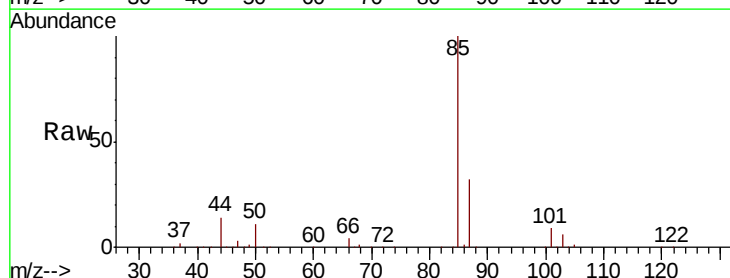
Acq: 14 Dec 2018 15:21

Tgt Ion: 85 Resp: 629165

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

500000

400000

300000

200000

100000

0

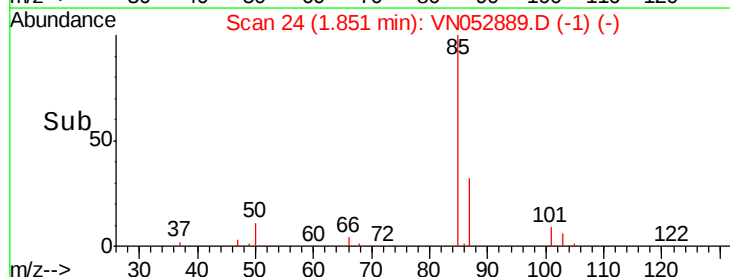
1.85

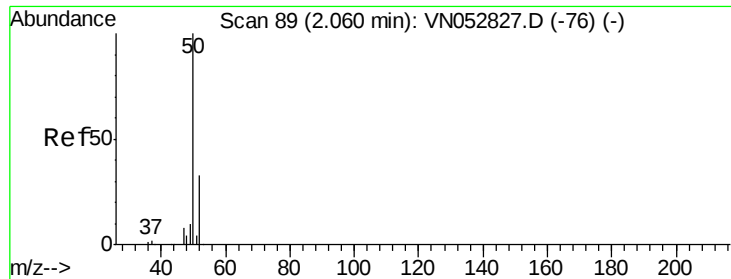
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 46.736 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

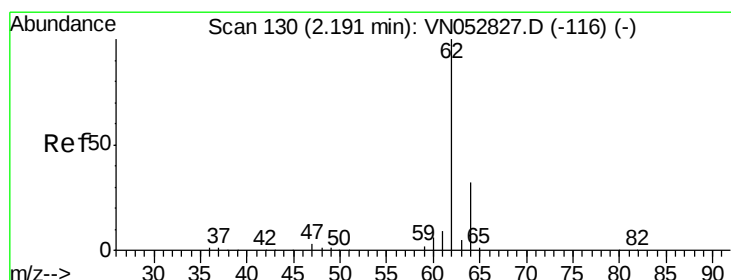
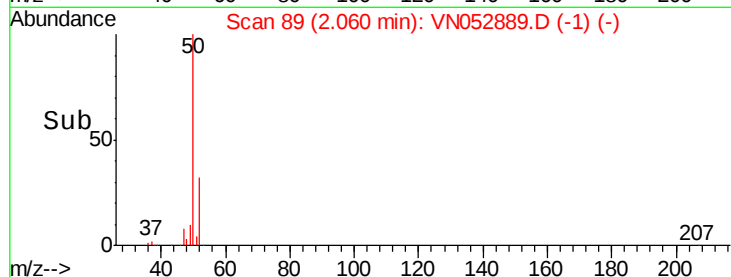
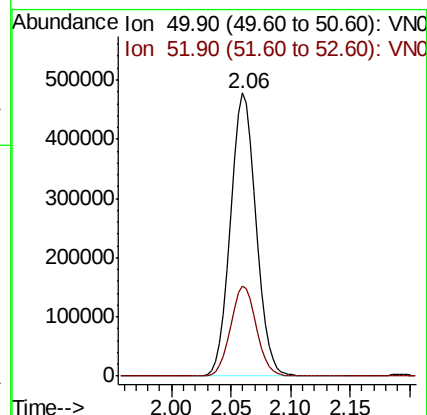
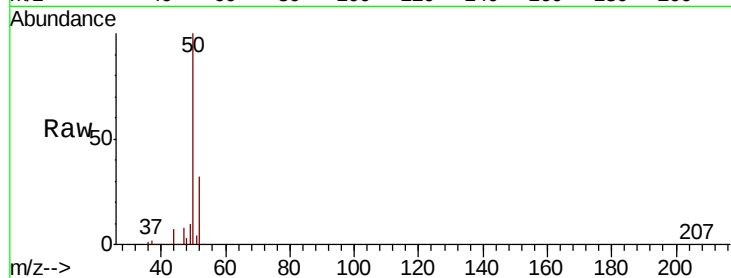
ClientSampled :

Tot Ion: 50 Resp: 712323

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.4



#4

Vinyl Chloride

Concen: 48.457 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052889.D

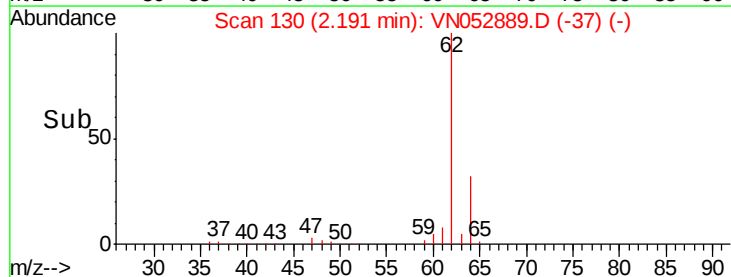
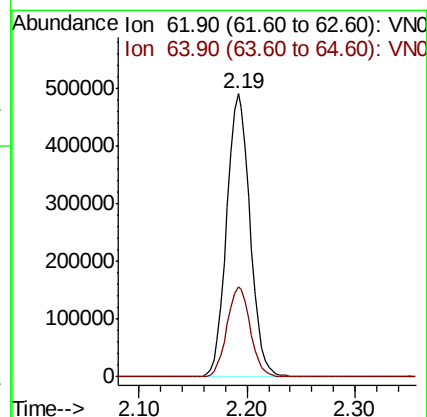
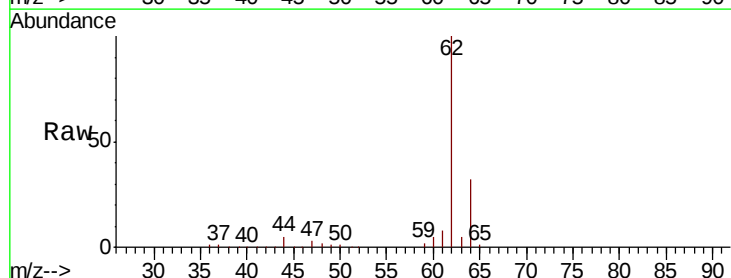
Acq: 14 Dec 2018 15:21

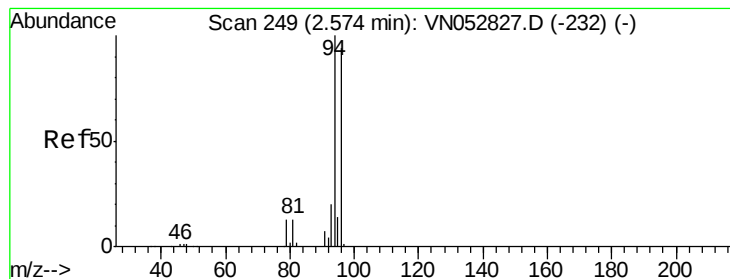
Tgt Ion: 62 Resp: 738887

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 46.856 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

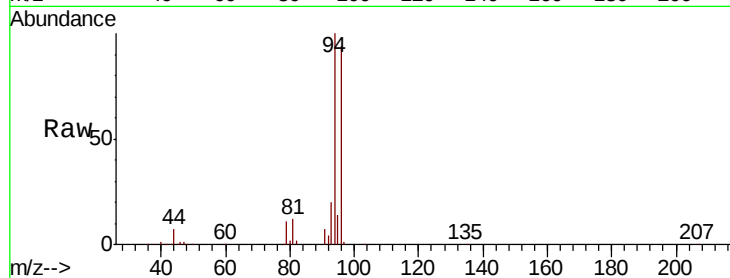
ClientSampled :

Tot Ion: 94 Resp: 440674

Ion Ratio Lower Upper

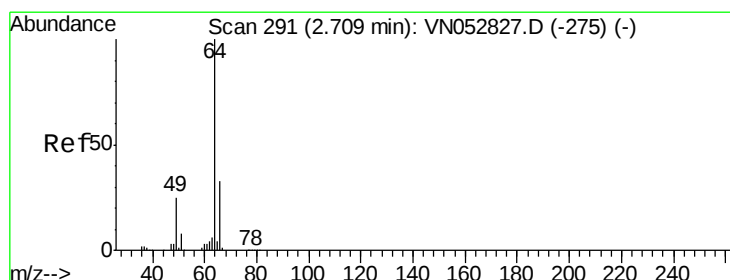
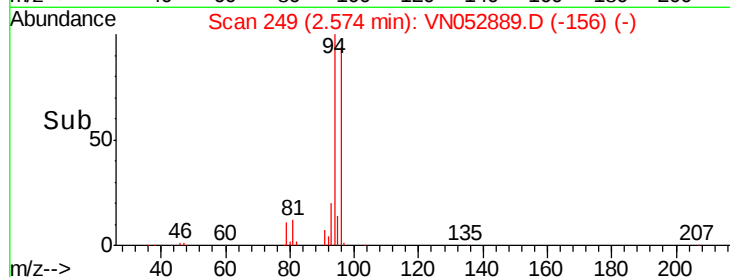
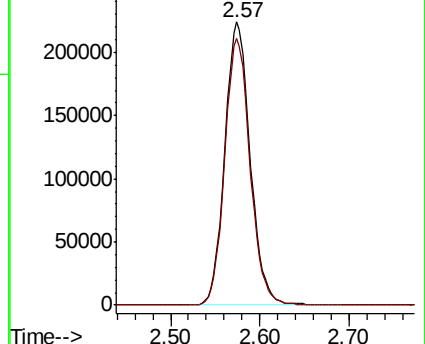
94 100

96 94.4 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: 48.412 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052889.D

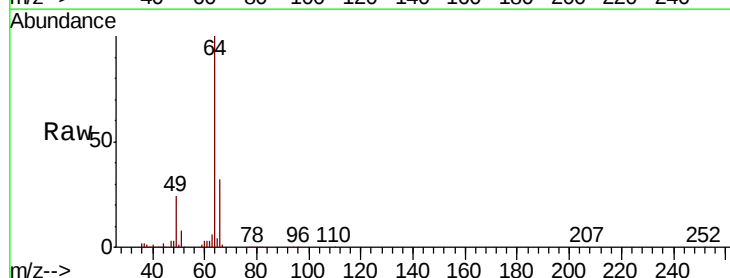
Acq: 14 Dec 2018 15:21

Tgt Ion: 64 Resp: 436343

Ion Ratio Lower Upper

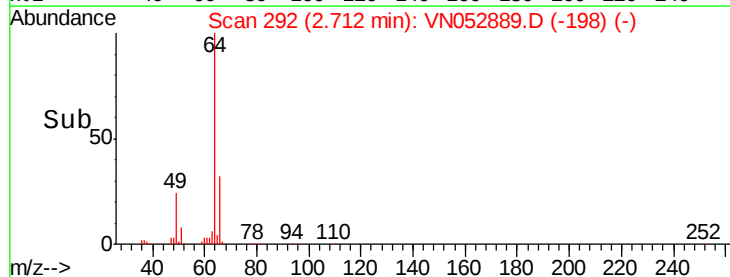
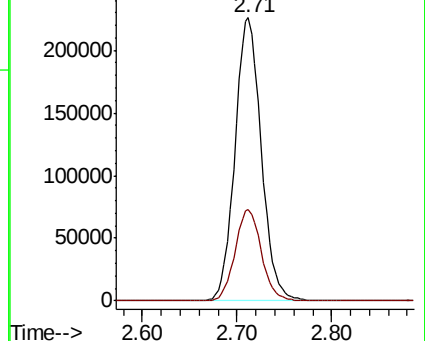
64 100

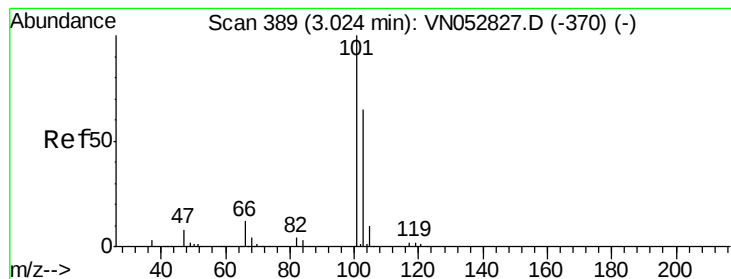
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



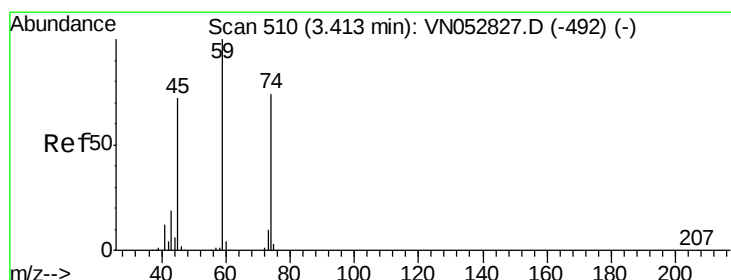
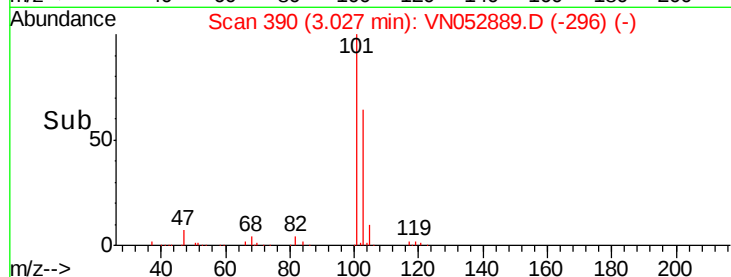
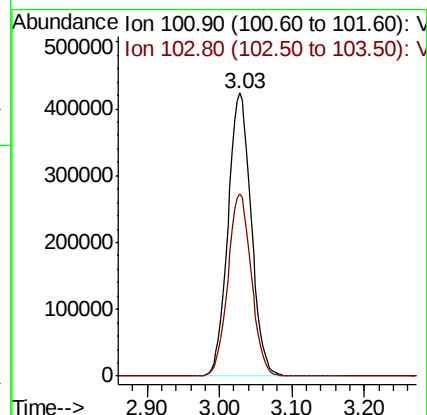
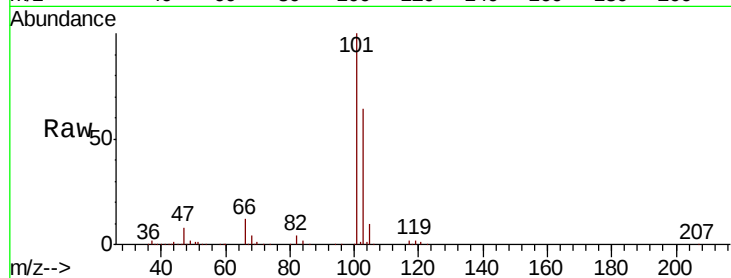


#7

Trichlorofluoromethane
 Concen: 49.573 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :

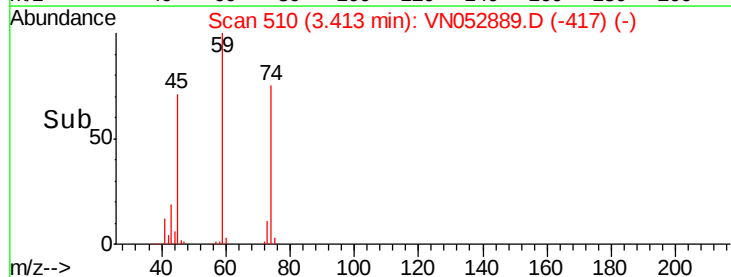
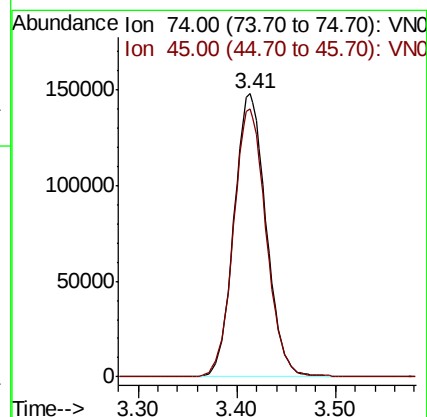
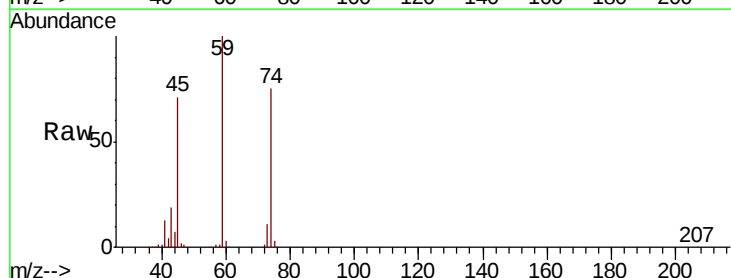
Tot Ion:101 Resp: 937166
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.6

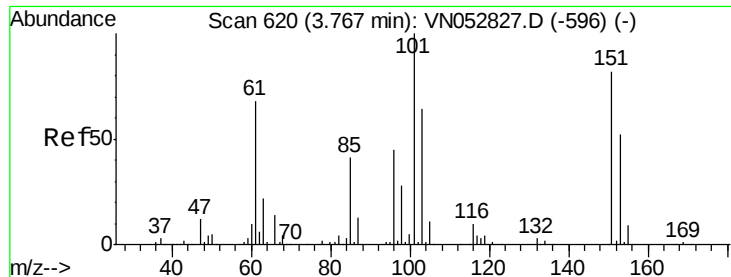


#8

Diethyl Ether
 Concen: 48.226 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion: 74 Resp: 332571
 Ion Ratio Lower Upper
 74 100
 45 96.1 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.007 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

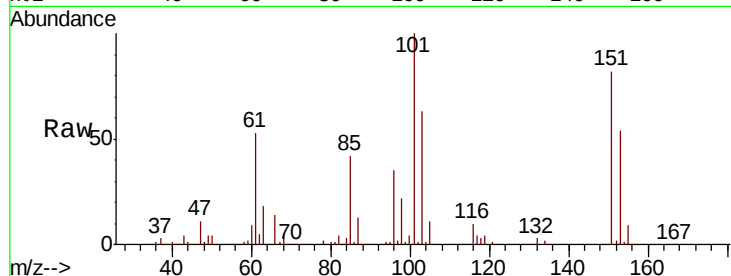
Tot Ion:101 Resp: 597616

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

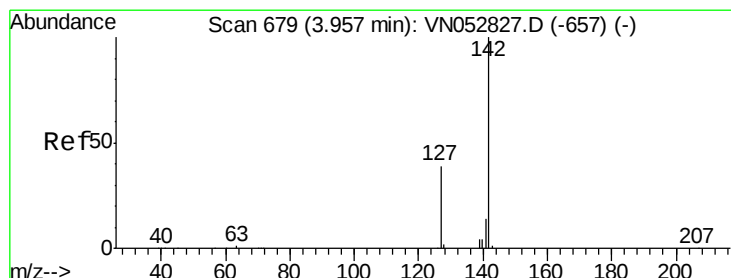
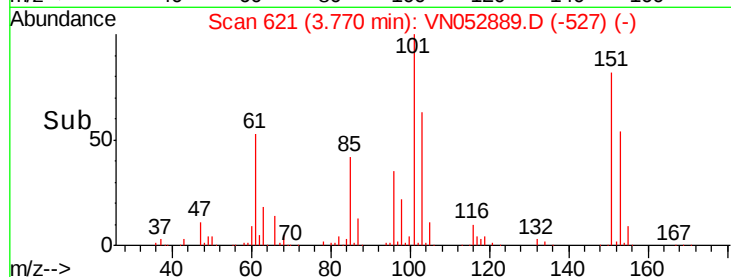
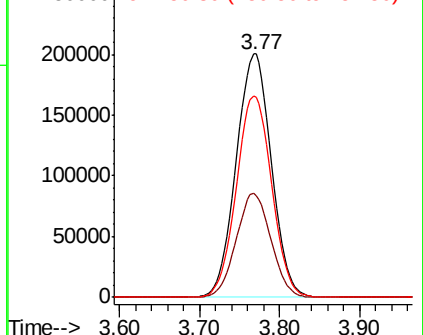
151 83.0 65.5 98.3



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: 49.667 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

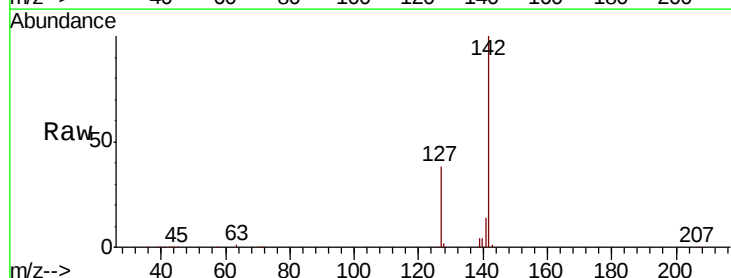
Tgt Ion:142 Resp: 814939

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

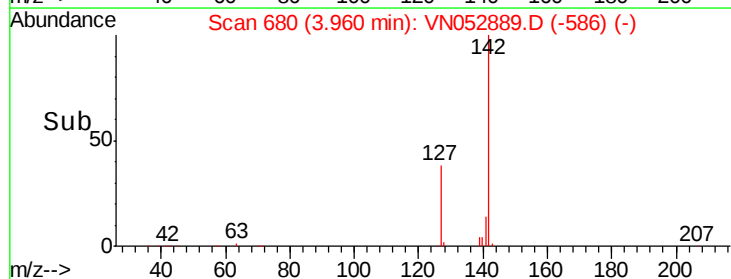
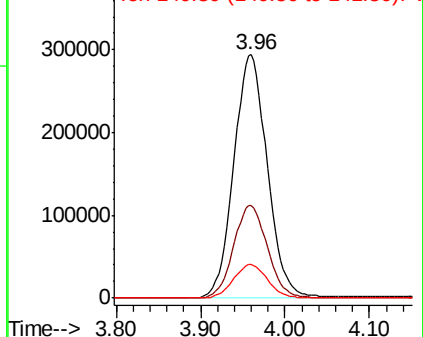
141 14.0 11.2 16.8

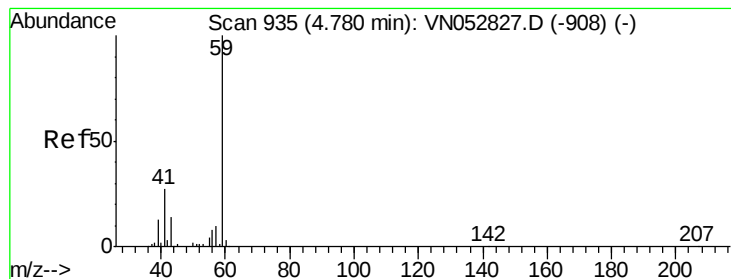


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 211.403 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

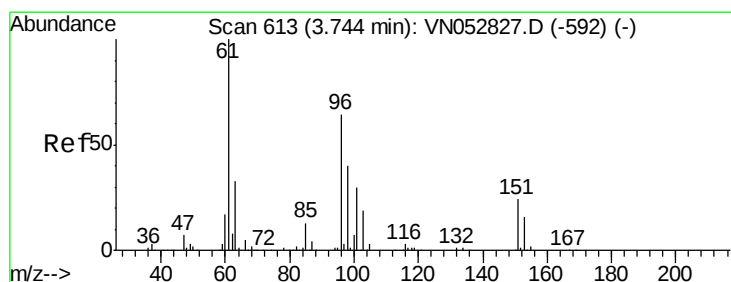
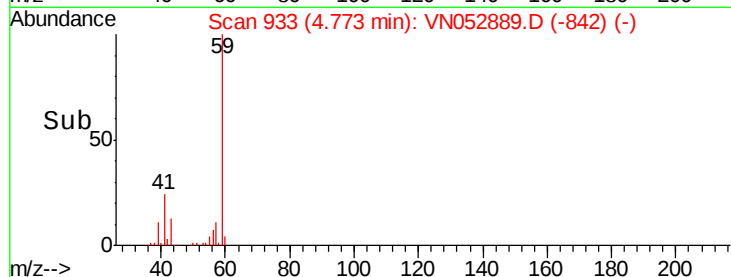
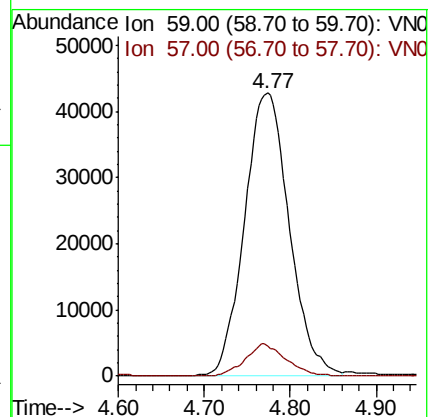
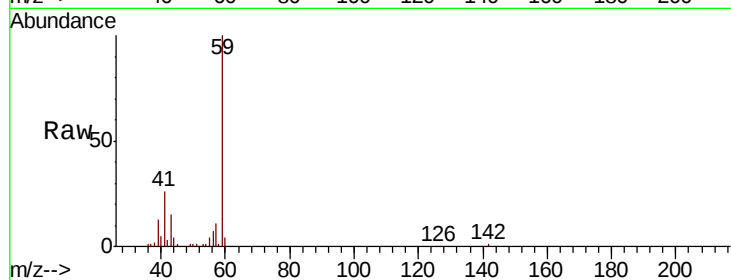
ClientSampleId :

Tot Ion: 59 Resp: 154943

Ion Ratio Lower Upper

59 100

57 10.4 7.7 11.5



#12

1,1-Dichloroethene

Concen: 48.662 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

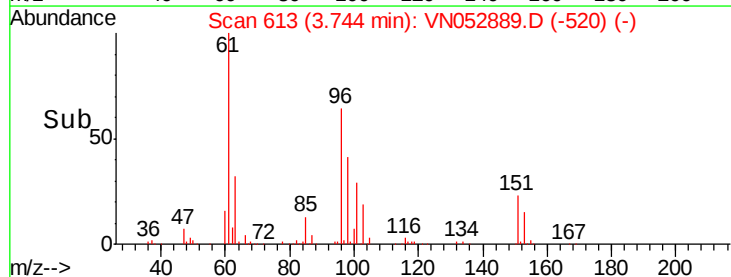
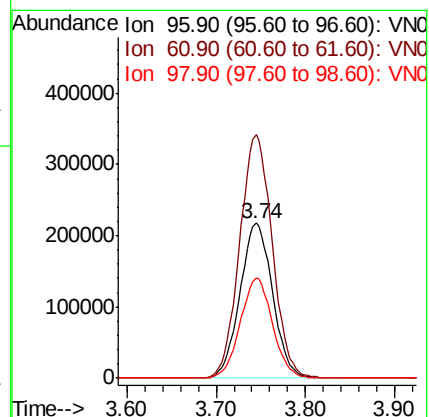
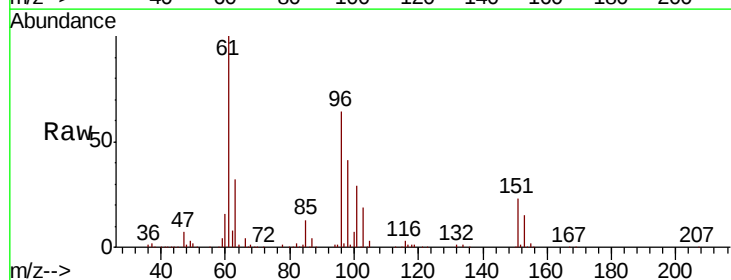
Tgt Ion: 96 Resp: 551931

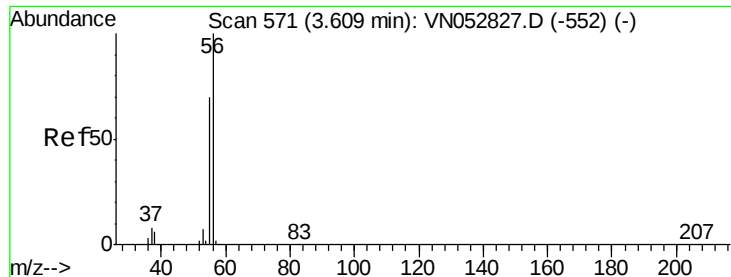
Ion Ratio Lower Upper

96 100

61 157.4 125.6 188.4

98 64.8 50.6 75.8





#13

Acrolein

Concen: 79.335 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

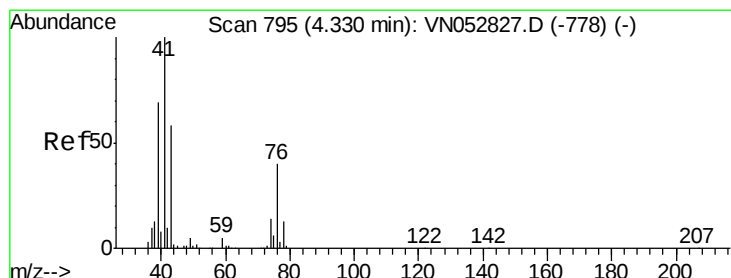
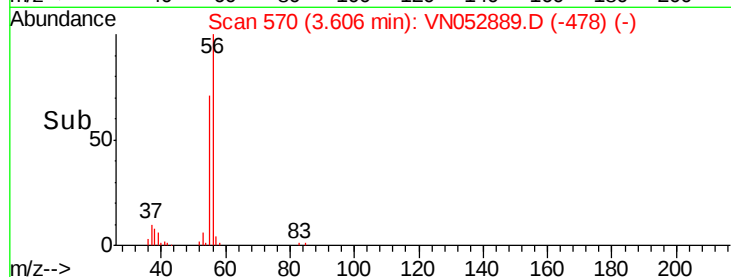
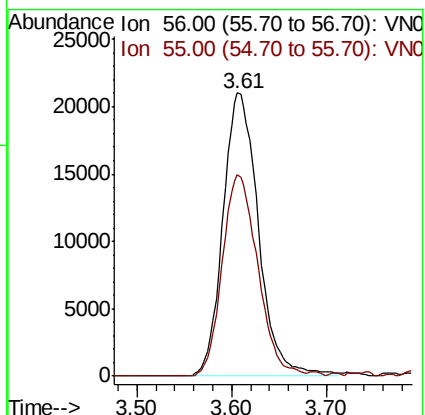
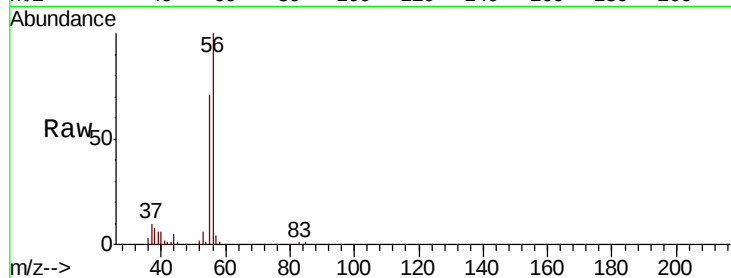
ClientSampleId :

Tot Ion: 56 Resp: 54746

Ion Ratio Lower Upper

56 100

55 71.2 56.6 85.0



#14

Allyl chloride

Concen: 49.155 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

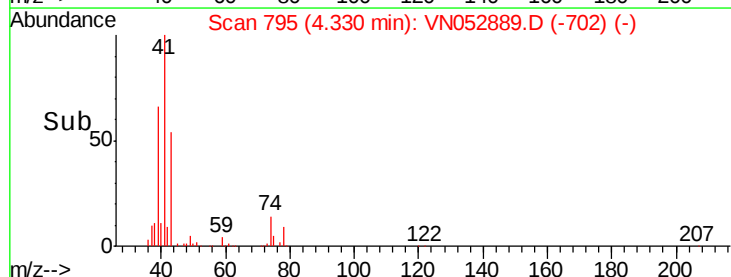
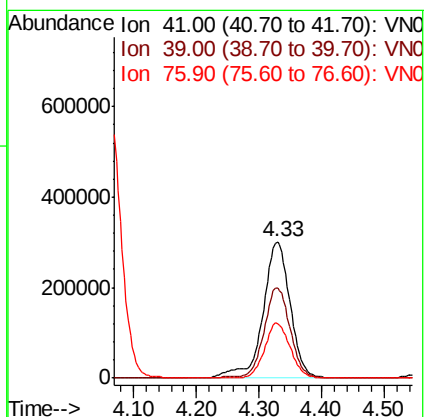
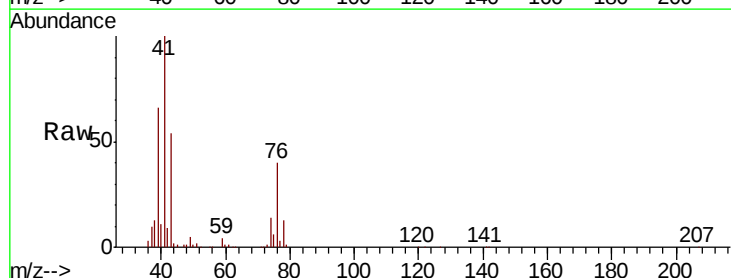
Tgt Ion: 41 Resp: 910619

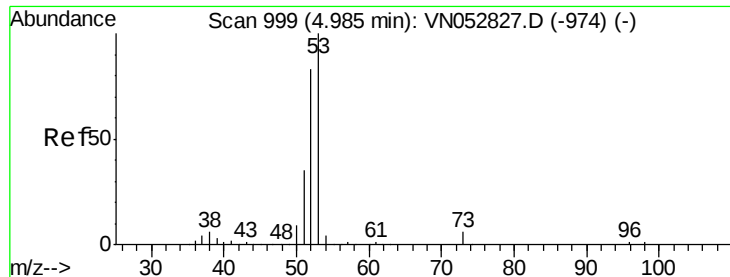
Ion Ratio Lower Upper

41 100

39 64.0 54.1 81.1

76 37.5 30.3 45.5





#15

Acrylonitrile

Concen: 225.633 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :

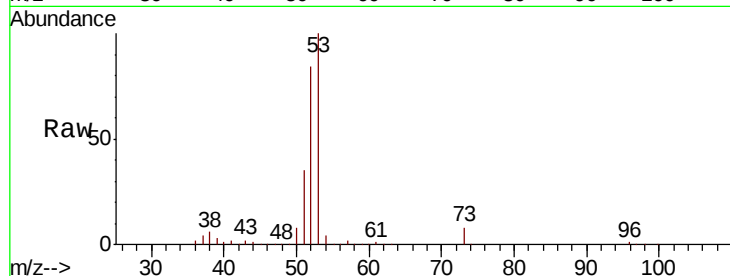
Tot Ion: 53 Resp: 927756

Ion Ratio Lower Upper

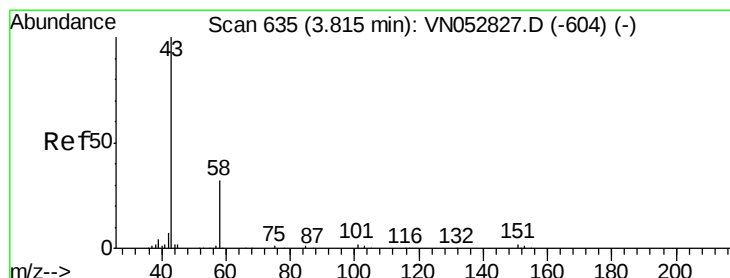
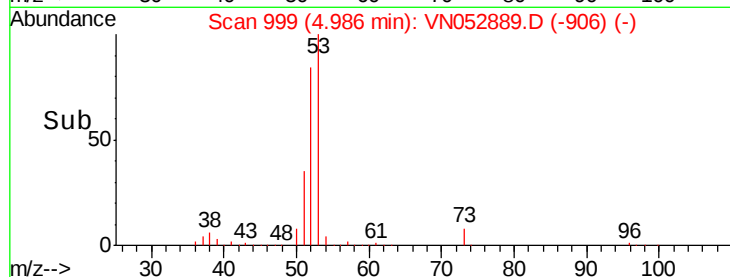
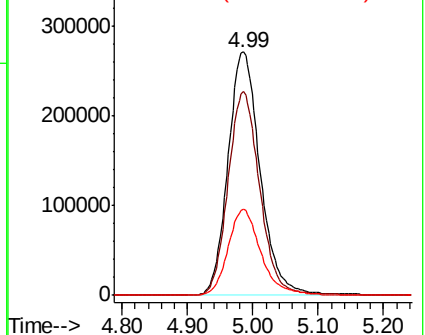
53 100

52 82.4 65.1 97.7

51 36.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 205.743 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052889.D

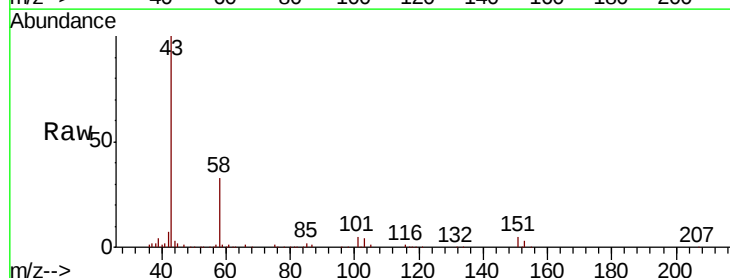
Acq: 14 Dec 2018 15:21

Tgt Ion: 43 Resp: 606123

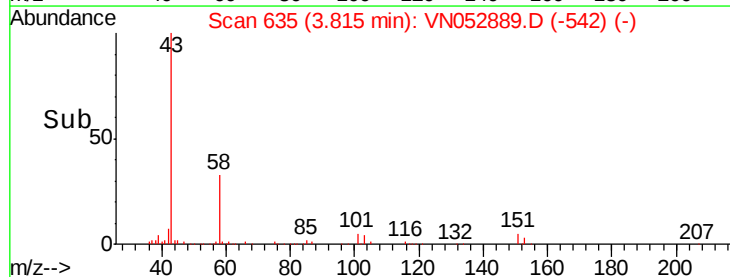
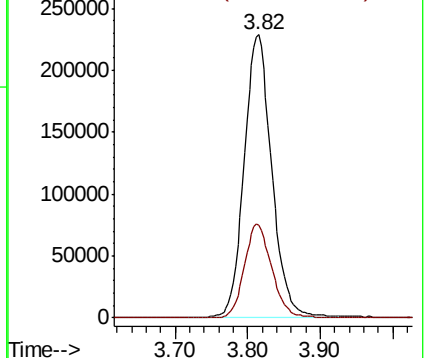
Ion Ratio Lower Upper

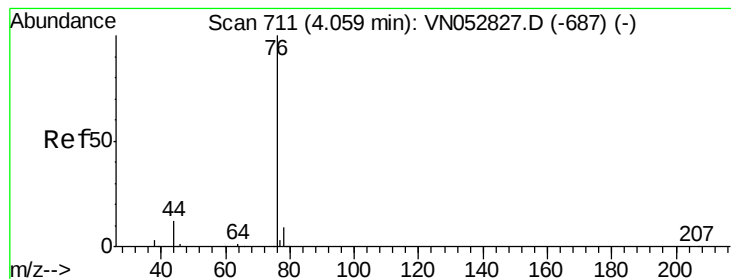
43 100

58 32.7 25.4 38.0



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





#17

Carbon Disulfide

Concen: 46.780 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

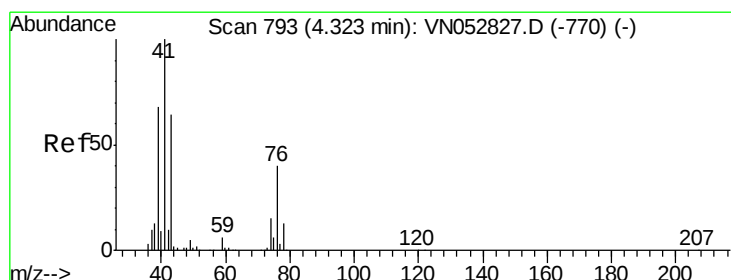
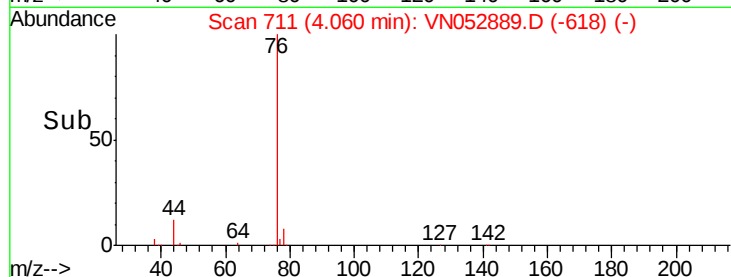
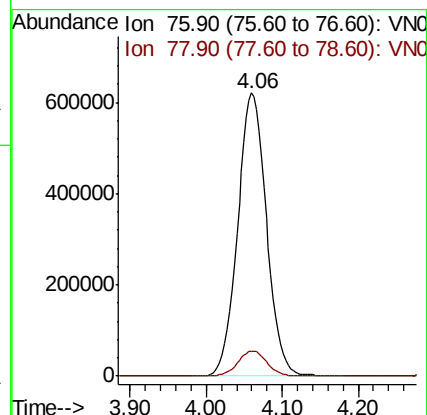
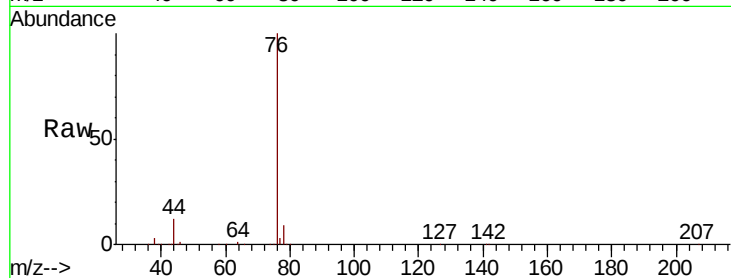
ClientSampleId :

Tot Ion: 76 Resp: 1629938

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 46.019 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052889.D

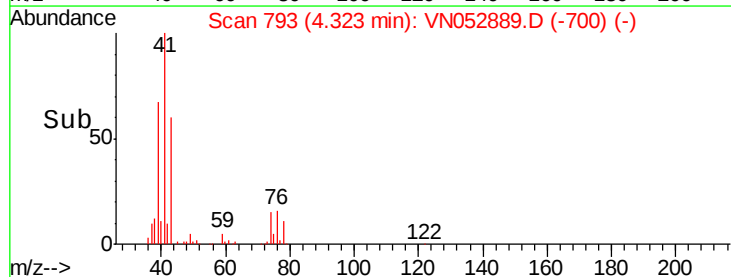
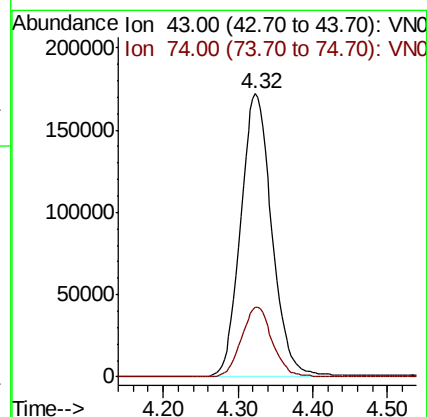
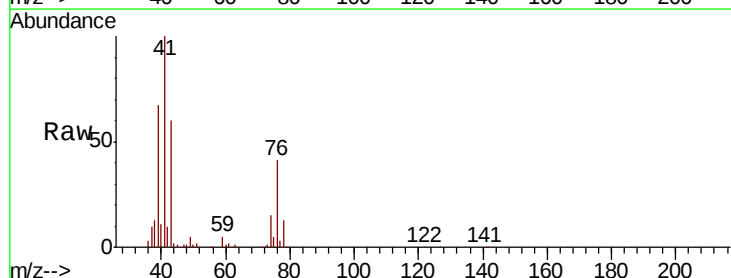
Acq: 14 Dec 2018 15:21

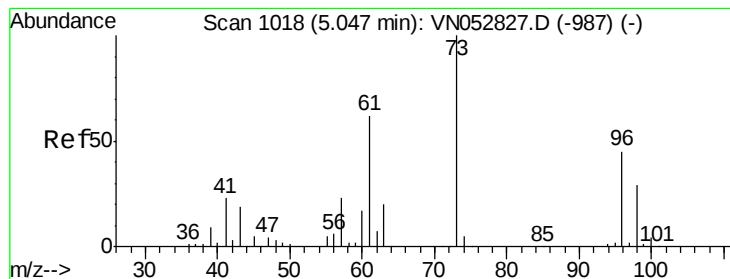
Tgt Ion: 43 Resp: 497550

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



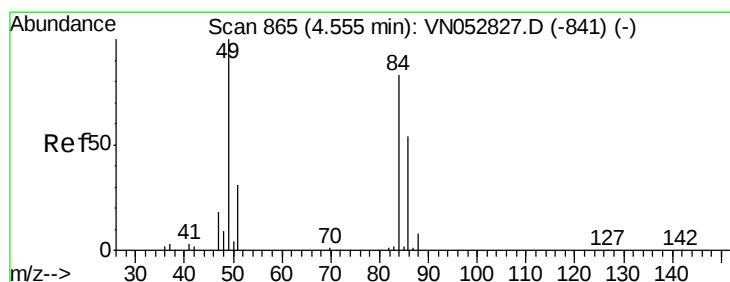
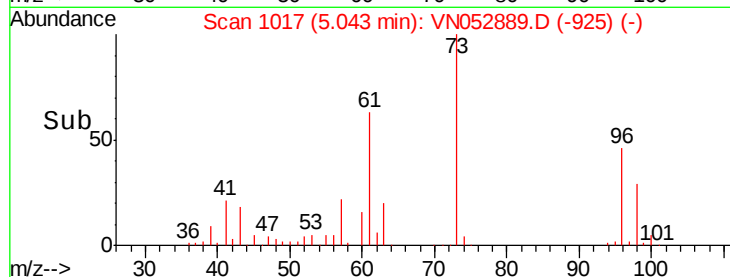
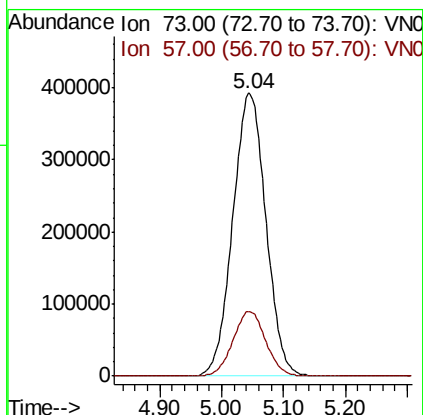
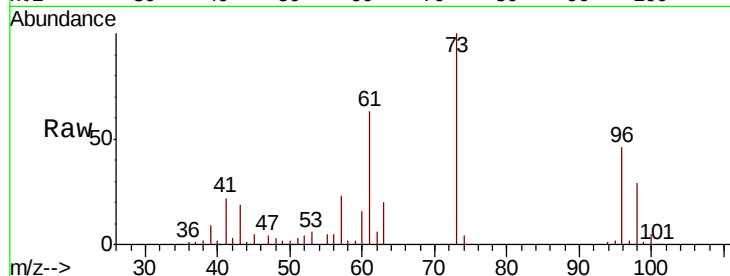


#19

Methyl tert-butyl Ether
 Concen: 47.440 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Instrument :
 MSVOA_N
 ClientSampled :

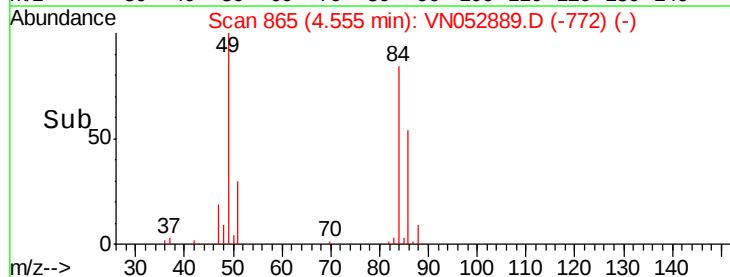
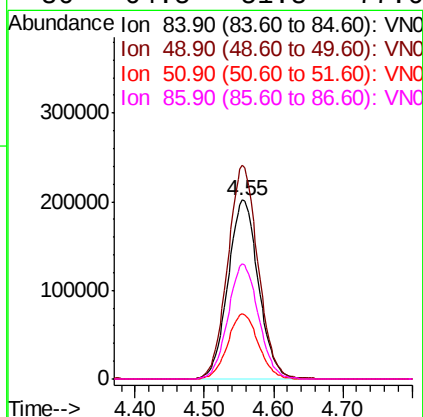
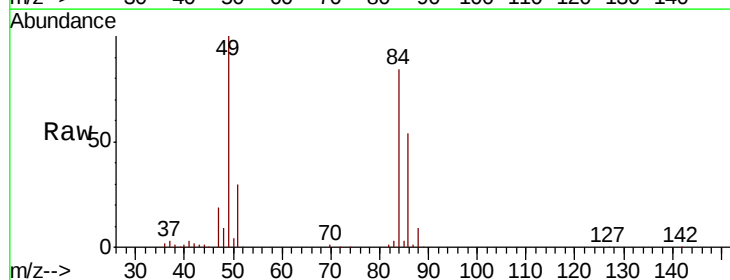
Tot Ion: 73 Resp: 1460736
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.4 27.6

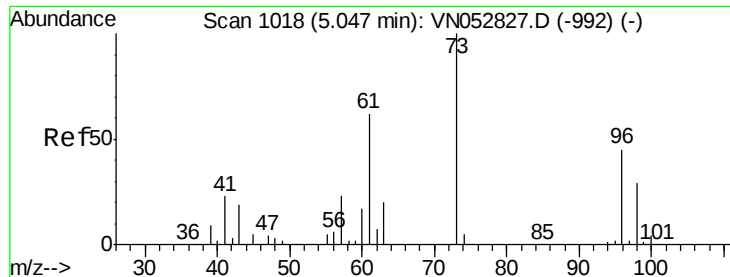


#20

Methylene Chloride
 Concen: 46.876 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion: 84 Resp: 621472
 Ion Ratio Lower Upper
 84 100
 49 119.4 96.8 145.2
 51 36.4 29.9 44.9
 86 64.5 51.8 77.6

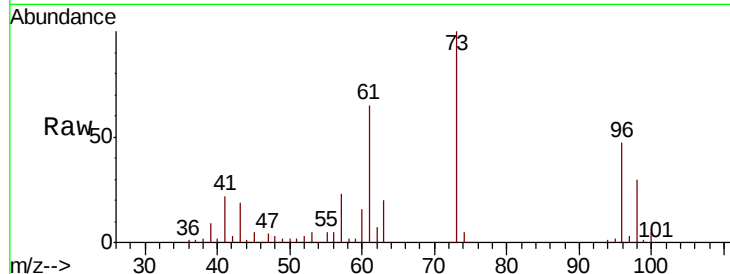




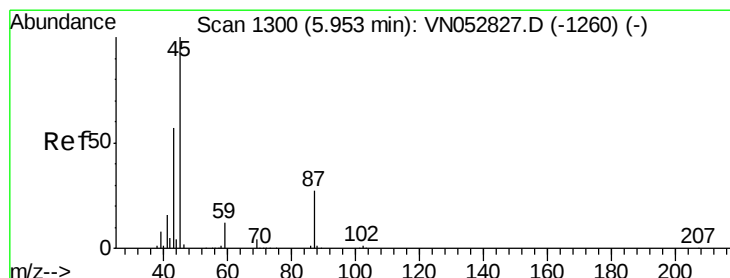
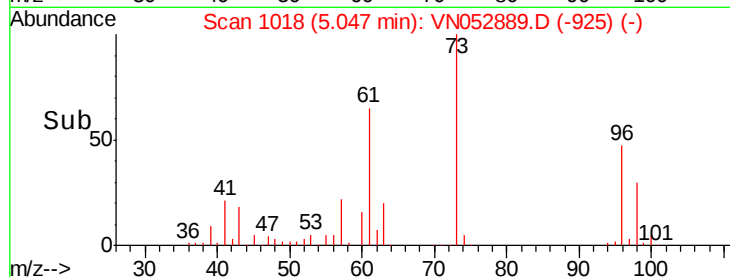
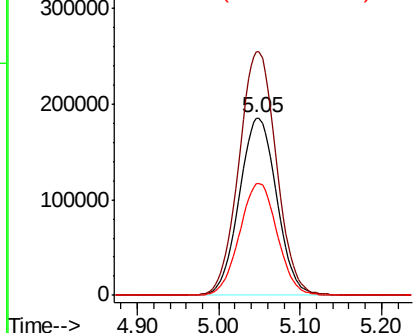
#21
trans-1,2-Dichloroethene
Concen: 47.919 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 588826
Ion Ratio Lower Upper
96 100
61 137.2 110.8 166.2
98 62.8 51.4 77.2

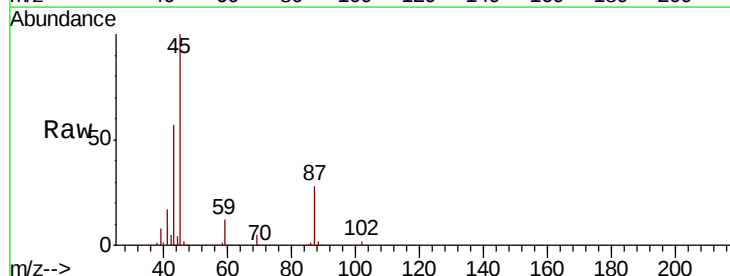


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

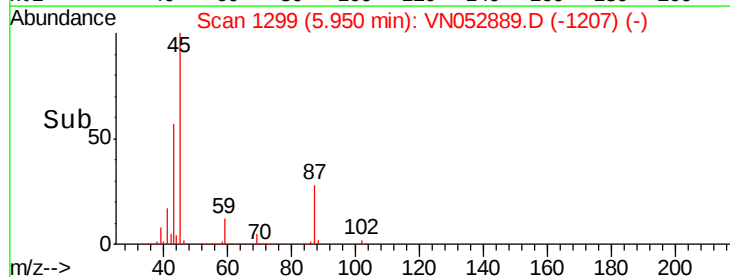
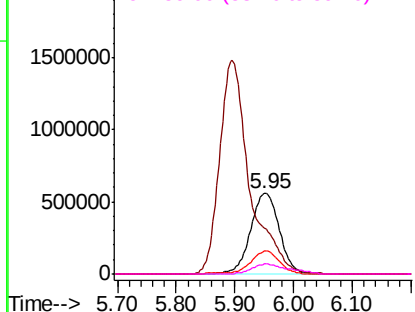


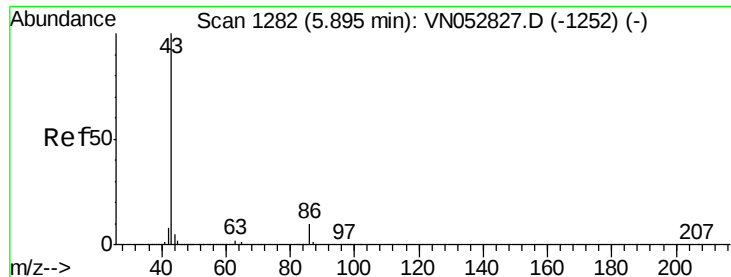
#22
Diisopropyl ether
Concen: 48.004 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 45 Resp: 1897201
Ion Ratio Lower Upper
45 100
43 57.3 45.5 68.3
87 28.1 22.0 33.0
59 11.9 9.4 14.0



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





#23

Vinyl Acetate

Concen: 224.124 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

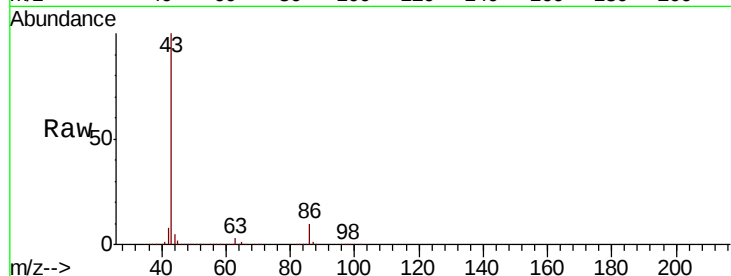
Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampled :

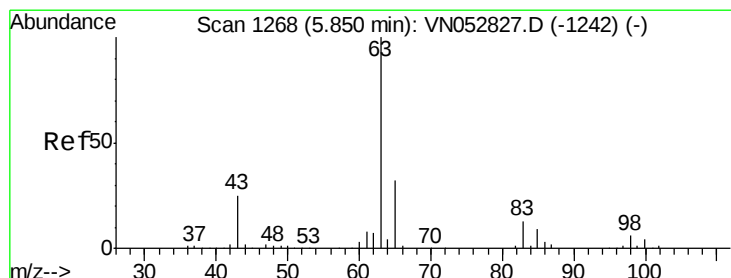
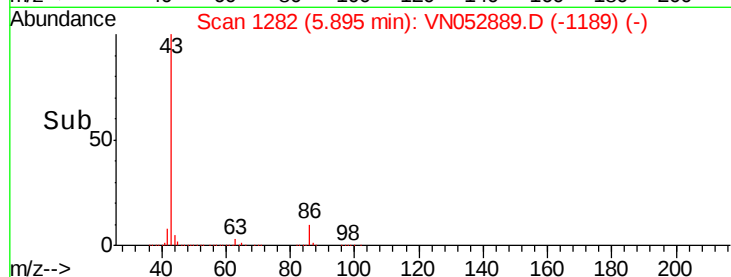
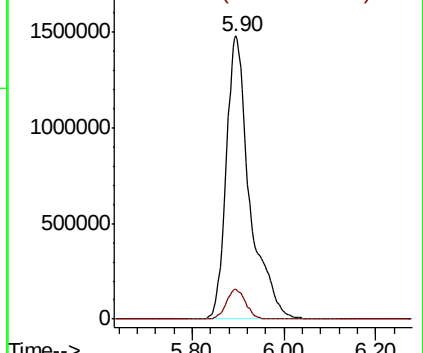
Tot Ion: 43 Resp: 5270727

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.116 ug/l

RT: 5.85 min Scan# 1269

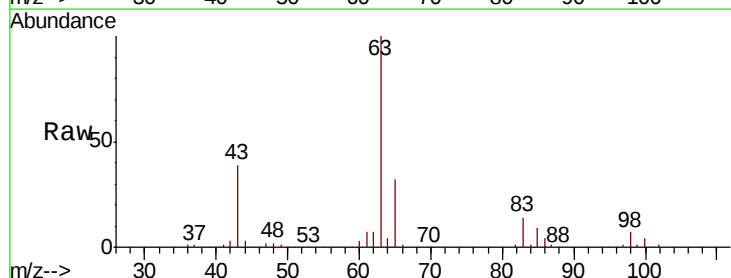
Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Tgt Ion: 63 Resp: 1096624

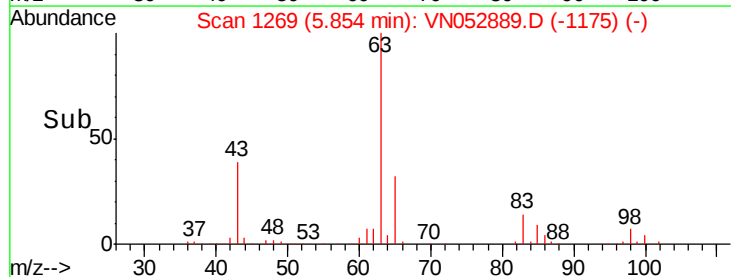
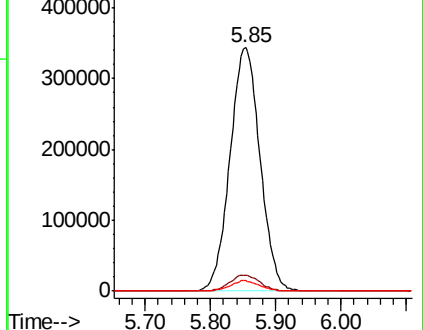
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.1	9.4
100	4.1	2.0	5.8

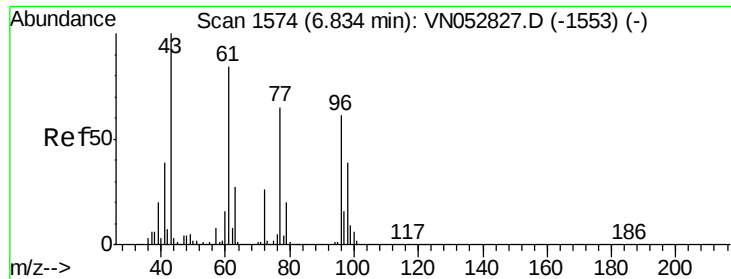


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

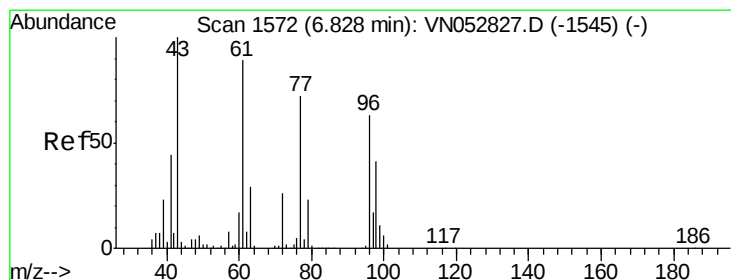
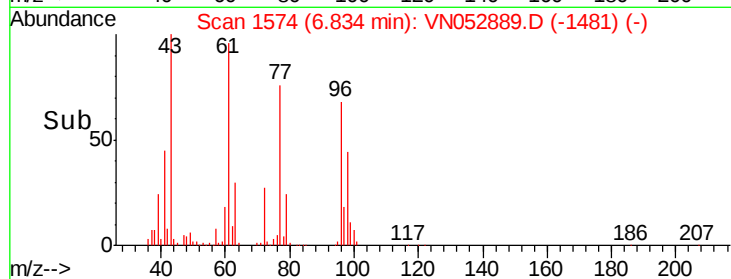
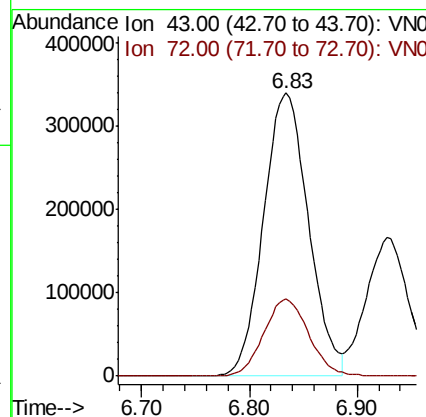
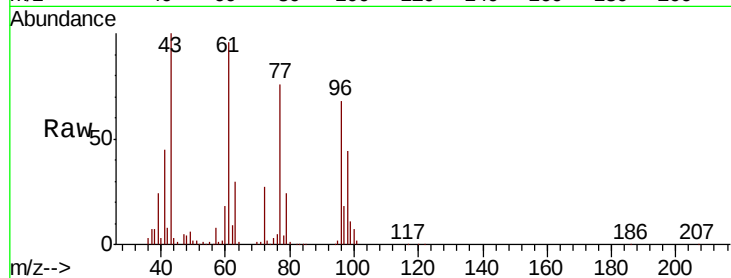




#25
2-Butanone
Concen: 214.115 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

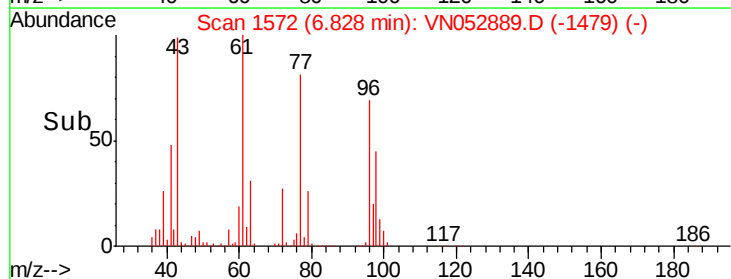
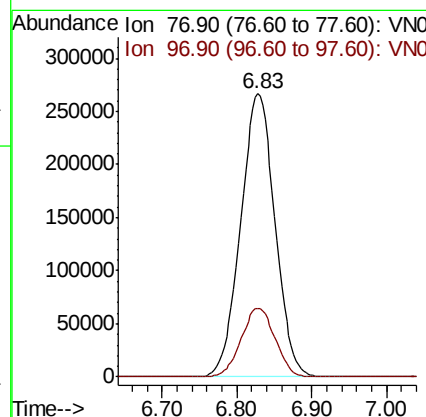
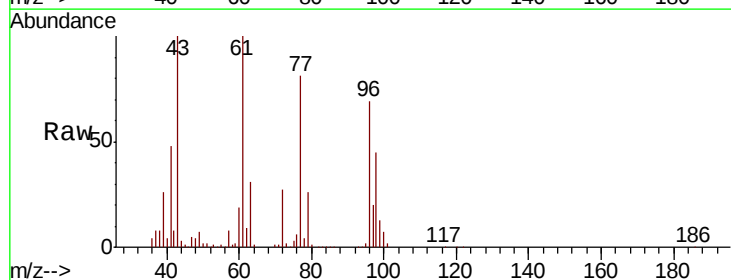
Instrument :
MSVOA_N
ClientSampleId :

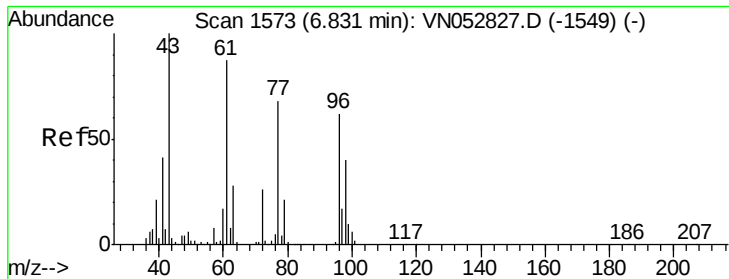
Tot Ion: 43 Resp: 978760
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 50.575 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 77 Resp: 848842
Ion Ratio Lower Upper
77 100
97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.322 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :

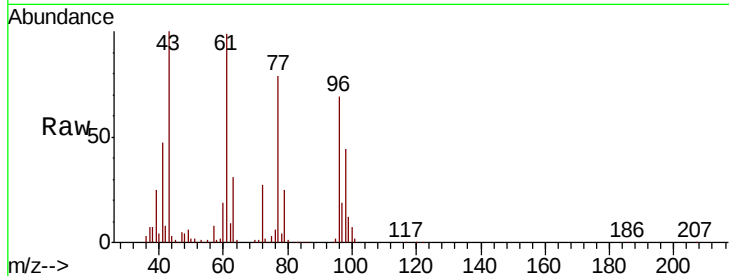
Tot Ion: 96 Resp: 673919

Ion Ratio Lower Upper

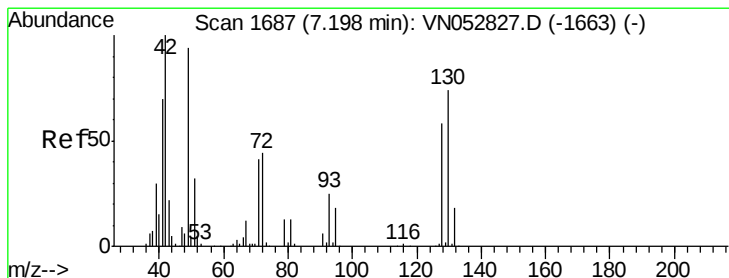
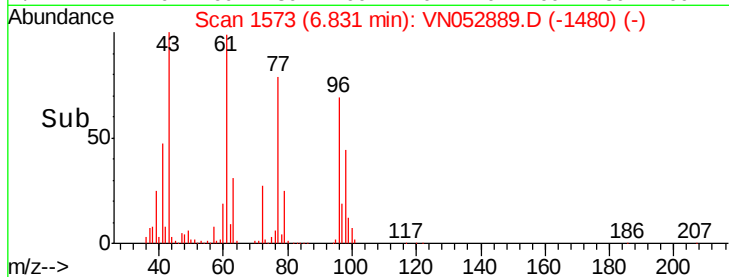
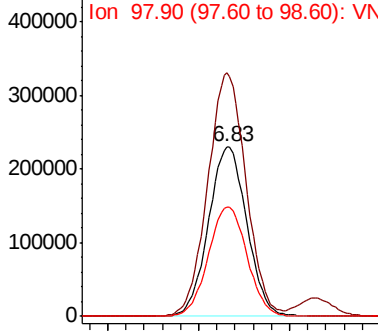
96 100

61 143.1 0.0 284.2

98 65.4 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: 49.383 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

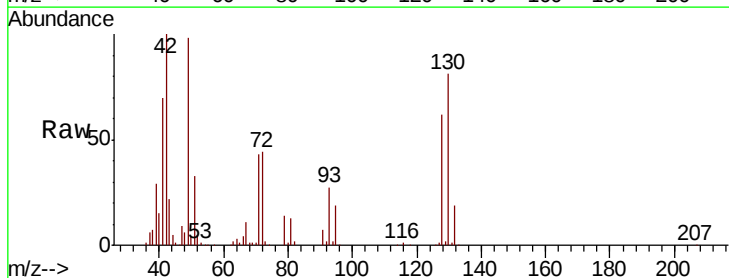
Tgt Ion: 49 Resp: 505394

Ion Ratio Lower Upper

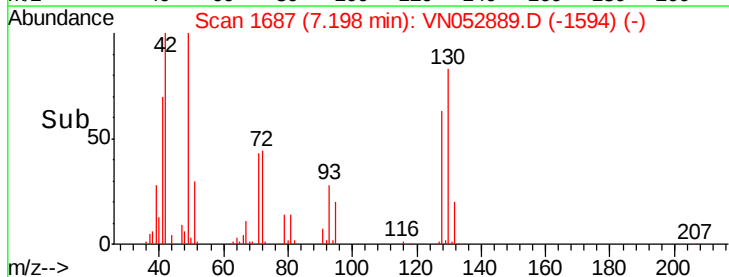
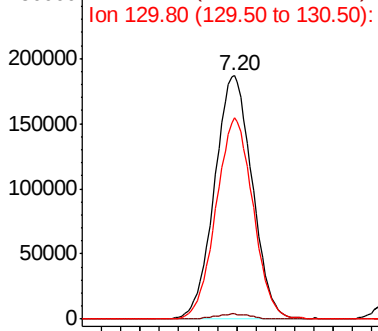
49 100

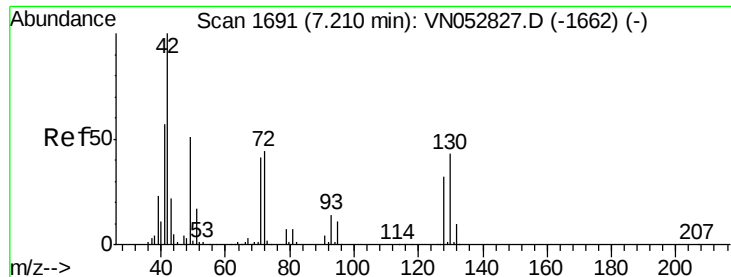
129 2.0 0.0 4.0

130 81.2 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

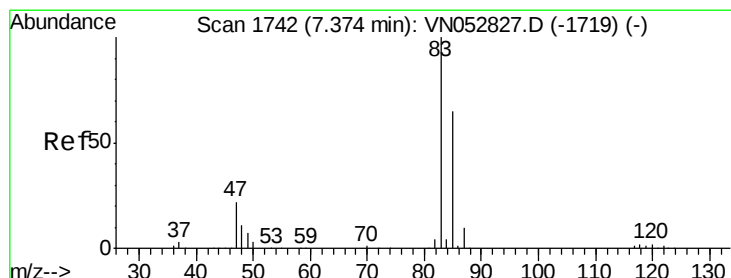
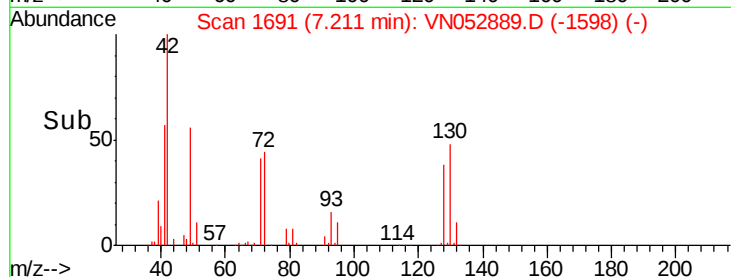
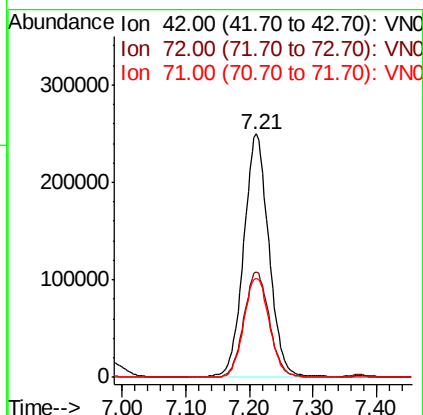
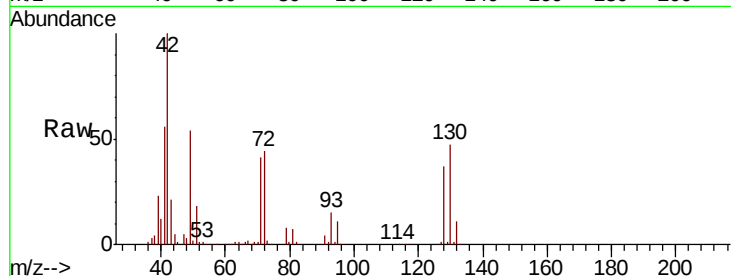




#29
Tetrahydrofuran
Concen: 219.875 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

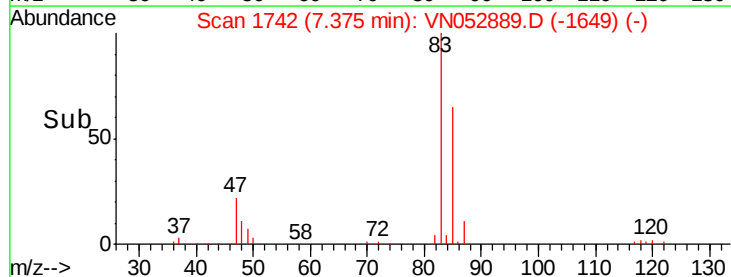
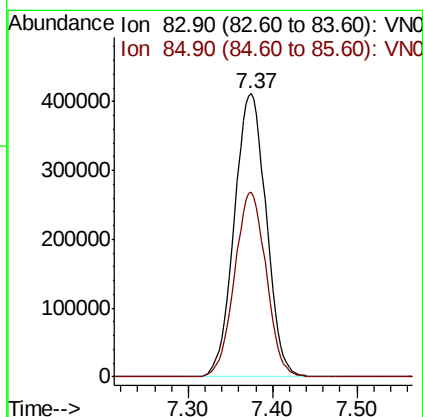
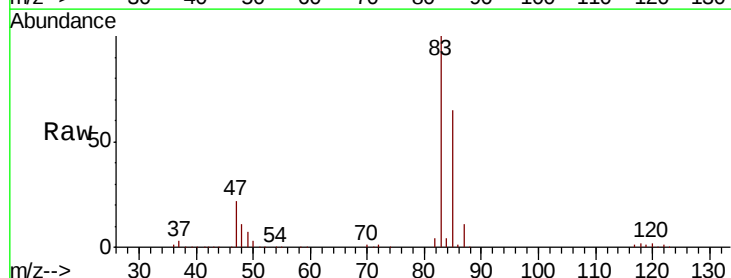
Instrument :
MSVOA_N
ClientSampleId :

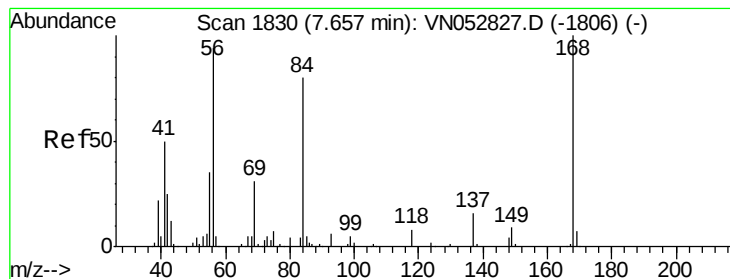
Tot Ion: 42 Resp: 686159
Ion Ratio Lower Upper
42 100
72 44.1 34.7 52.1
71 41.7 32.3 48.5



#30
Chloroform
Concen: 48.838 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 83 Resp: 1085426
Ion Ratio Lower Upper
83 100
85 65.3 52.1 78.1





#31

Cyclohexane

Concen: 48.445 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :

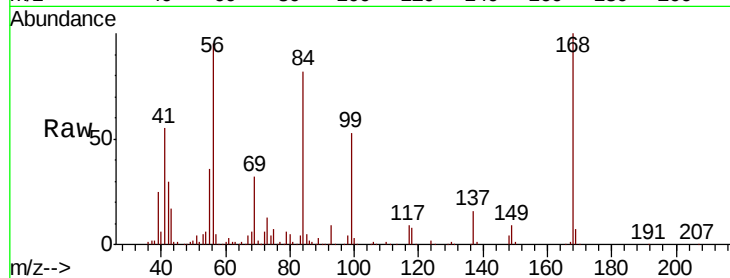
Tot Ion: 56 Resp: 1077246

Ion Ratio Lower Upper

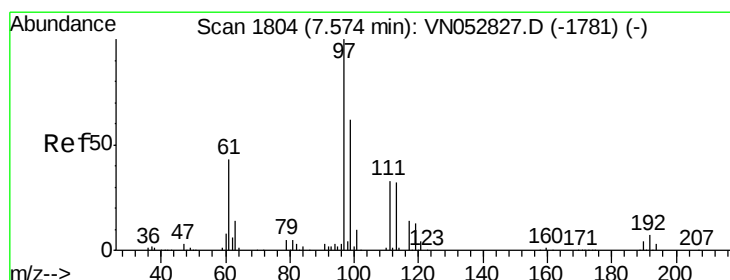
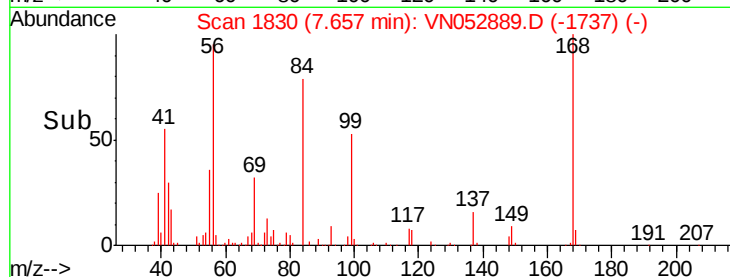
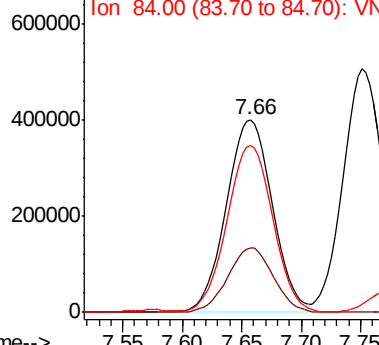
56 100

69 33.4 26.6 39.8

84 85.2 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.052 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

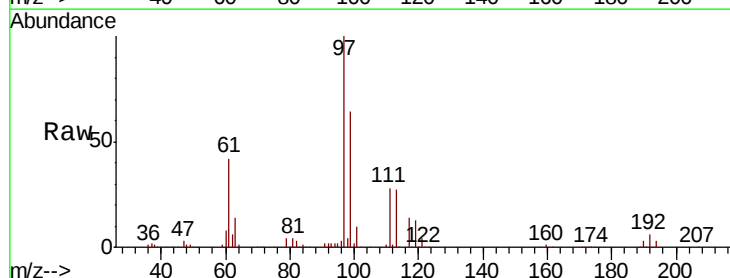
Tgt Ion: 97 Resp: 912124

Ion Ratio Lower Upper

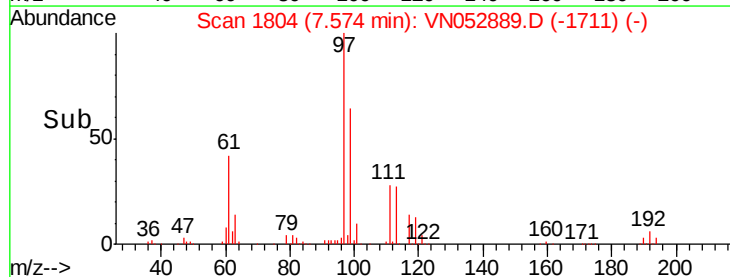
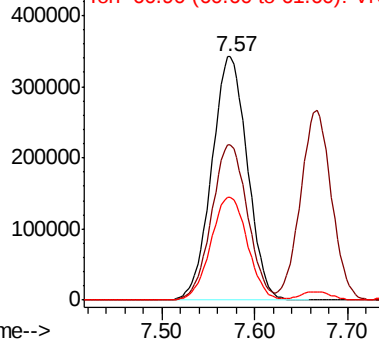
97 100

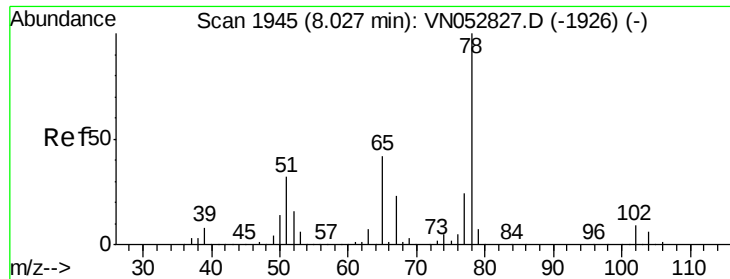
99 64.5 51.1 76.7

61 43.4 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

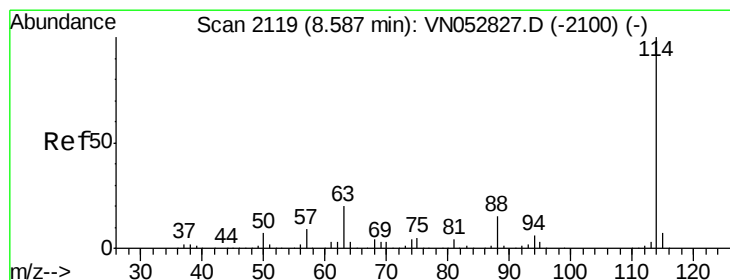
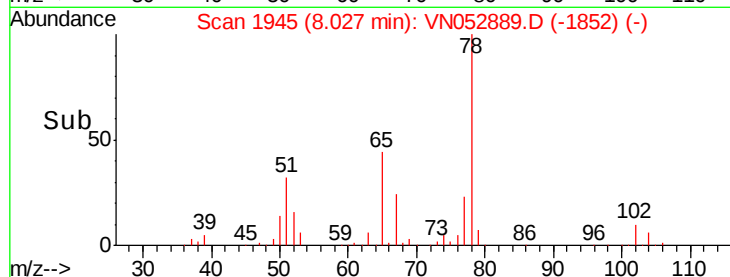
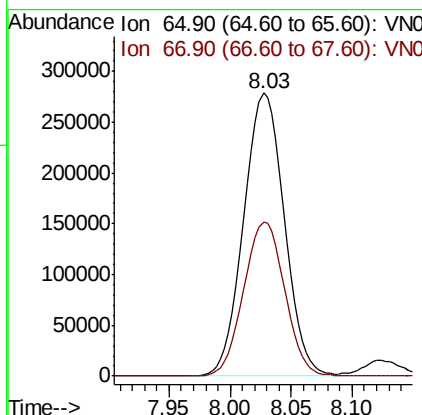
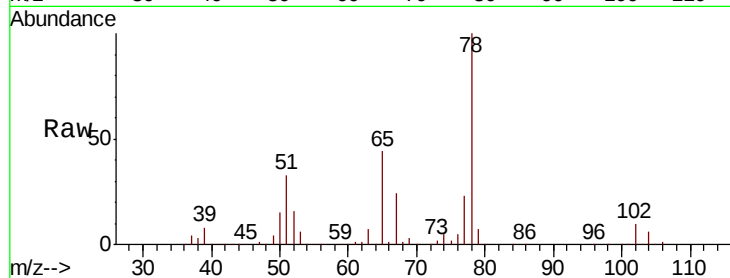




#33
 1,2-Dichloroethane-d4
 Concen: 49.052 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

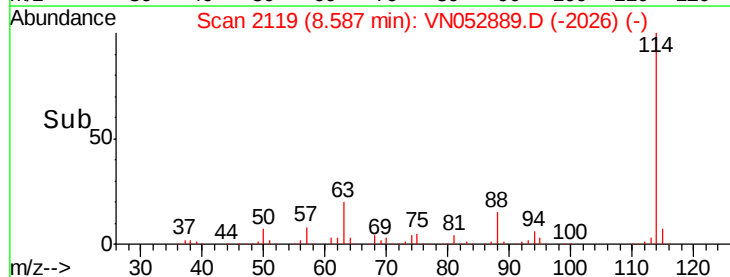
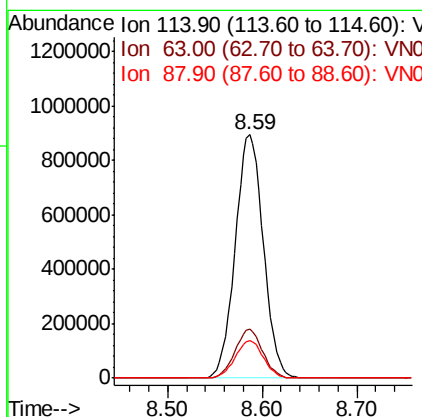
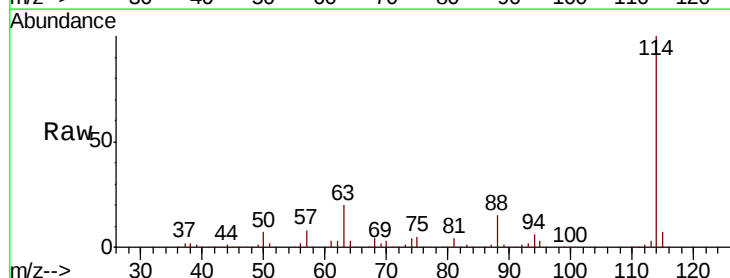
Instrument :
 MSVOA_N
 ClientSampled :

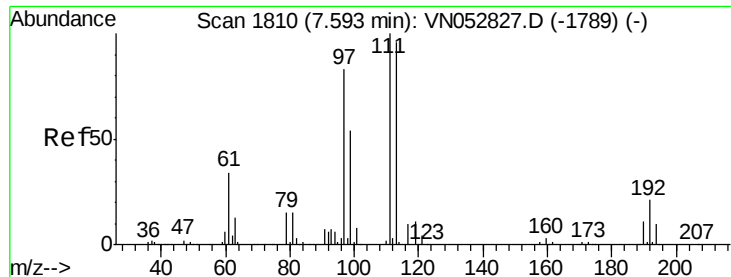
Tot Ion: 65 Resp: 643317
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion: 114 Resp: 1842926
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.3 0.0 31.0

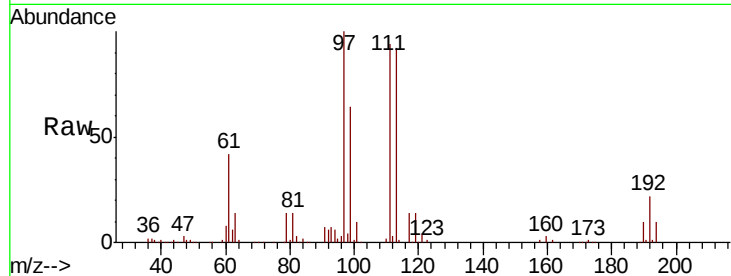




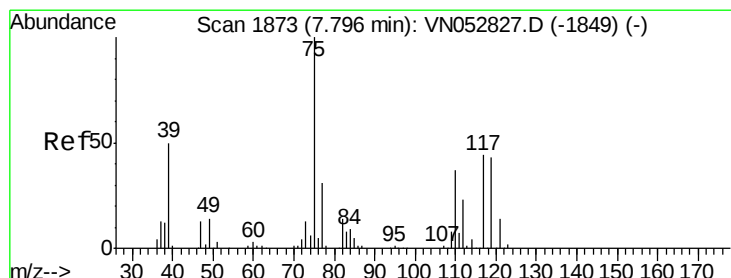
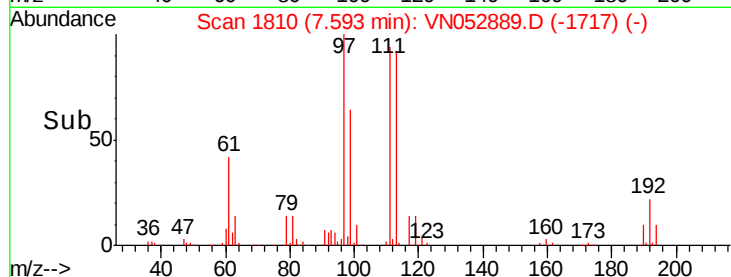
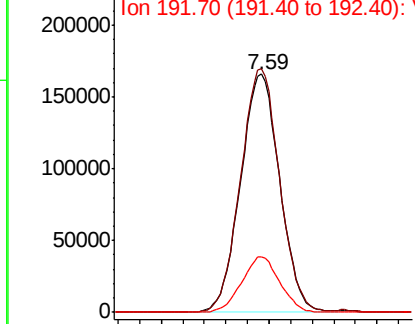
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	22.6	17.5	26.3

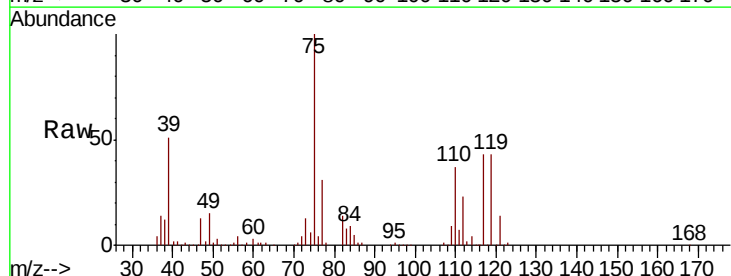


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

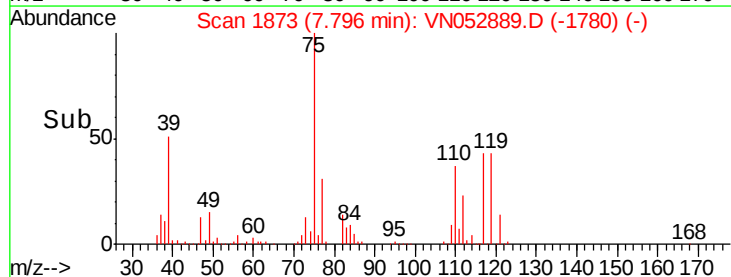
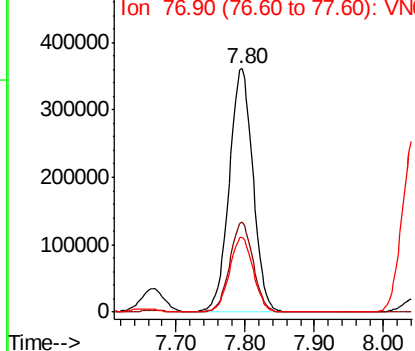


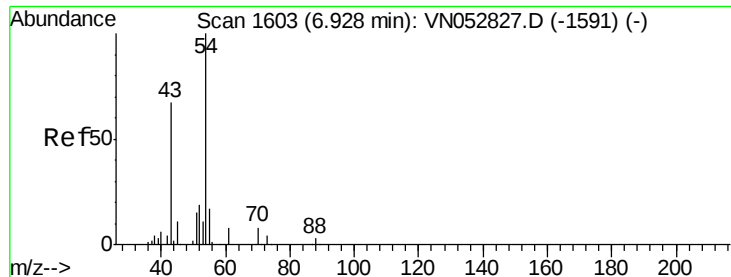
#36
 1,1-Dichloropropene
 Concen: 51.076 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	30.9	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

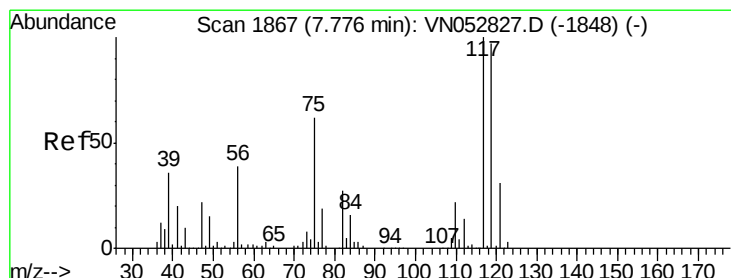
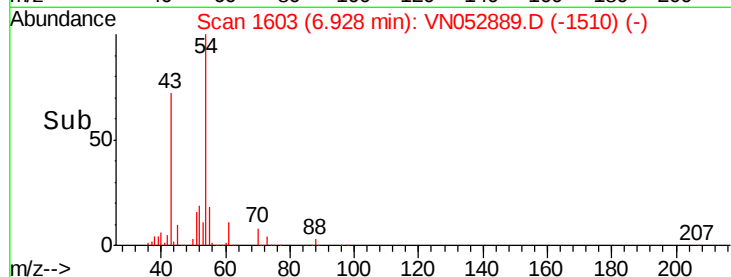
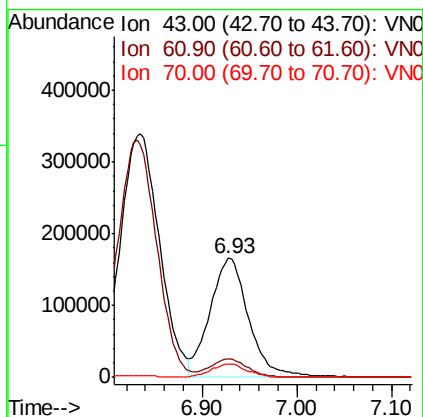
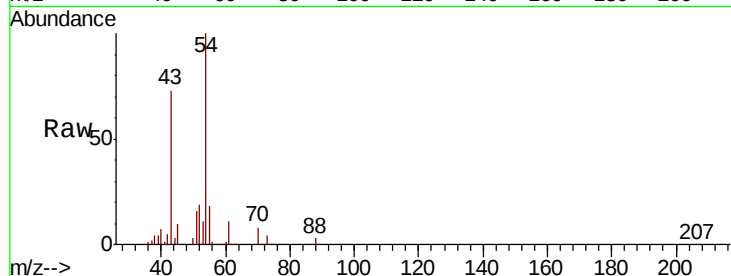




#37
Ethyl Acetate
Concen: 45.623 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

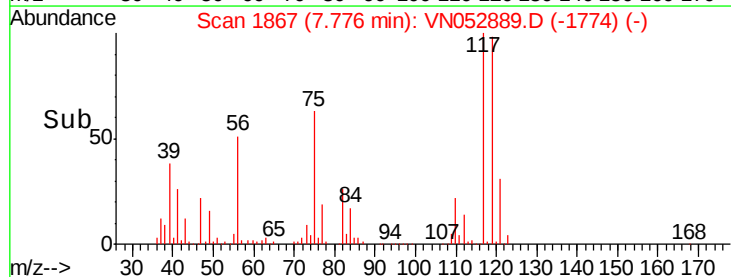
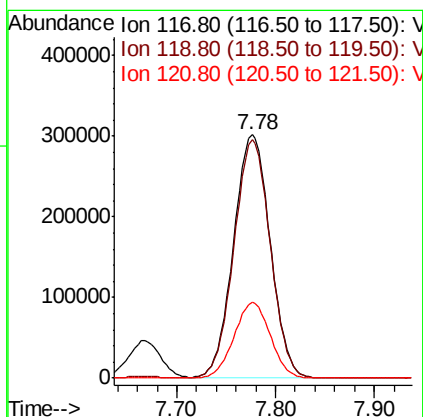
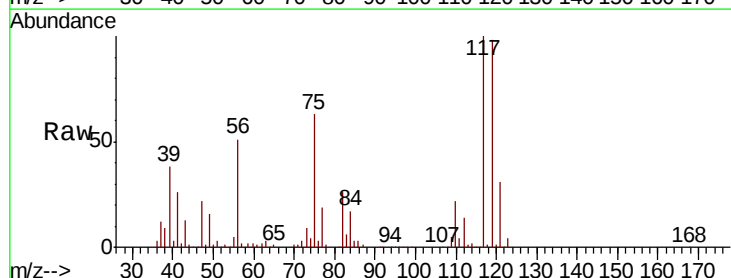
Instrument :
MSVOA_N
ClientSampled :

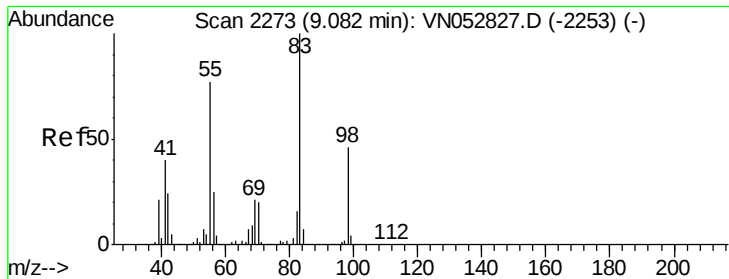
Tot Ion: 43 Resp: 465125
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.876 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 117 Resp: 779103
Ion Ratio Lower Upper
117 100
119 97.7 77.1 115.7
121 31.2 24.9 37.3

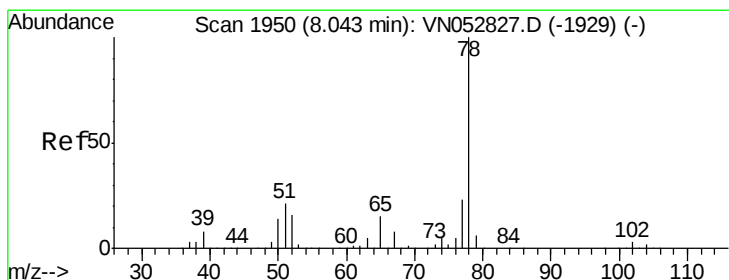
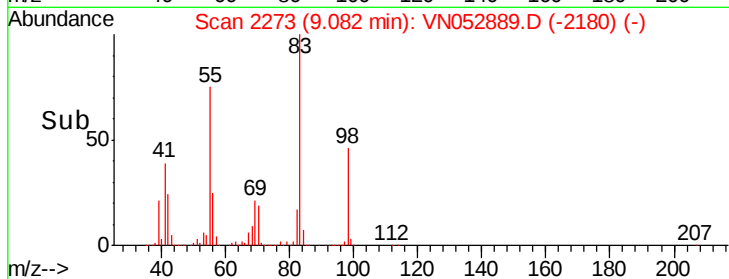
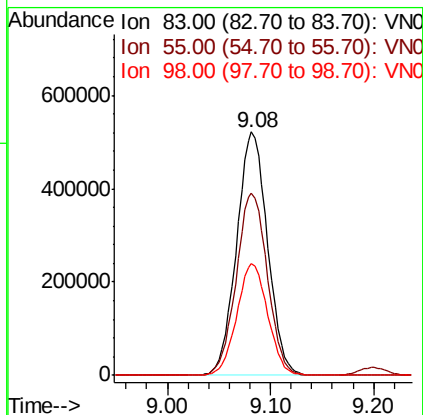
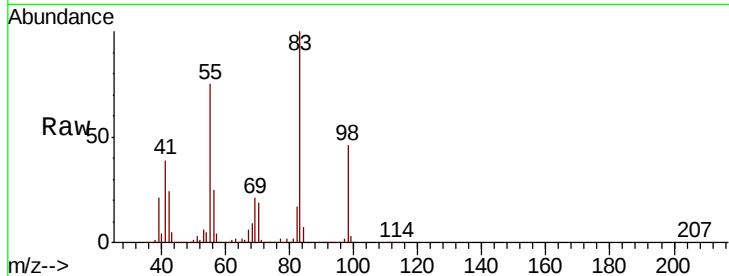




#39
Methvlcvclohexane
Concen: 52.227 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

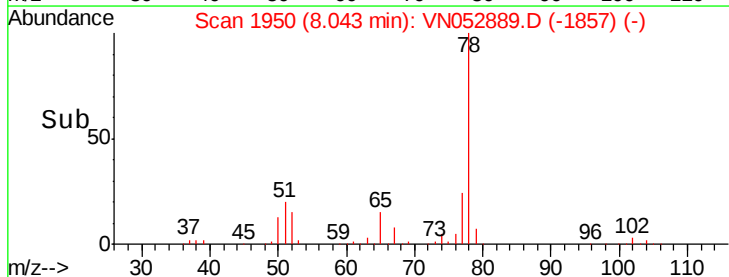
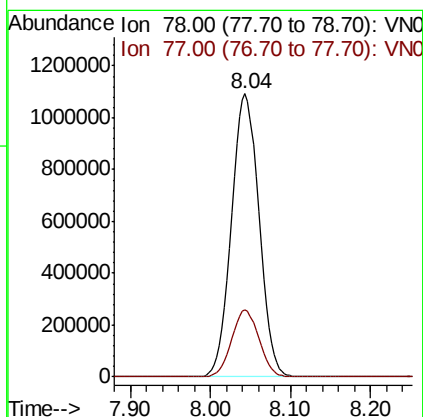
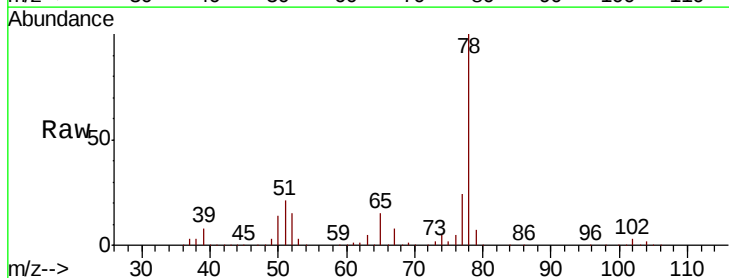
Instrument :
MSVOA_N
ClientSampleId :

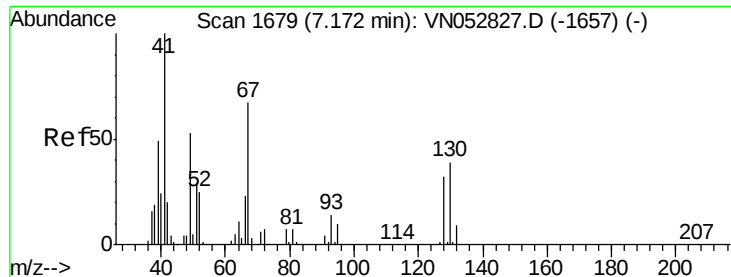
Tot Ion: 83 Resp: 1087685
Ion Ratio Lower Upper
83 100
55 74.9 61.3 91.9
98 46.0 37.0 55.4



#40
Benzene
Concen: 49.973 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 78 Resp: 2545401
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

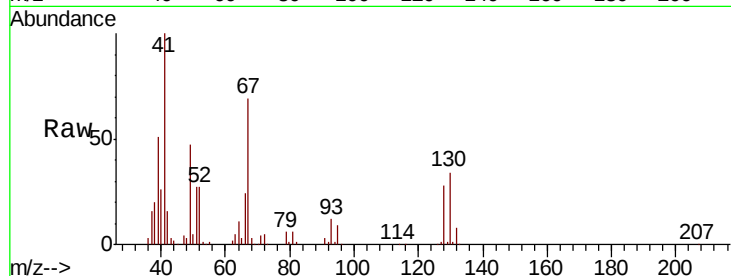




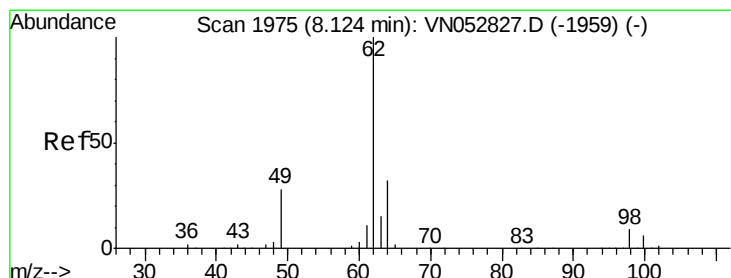
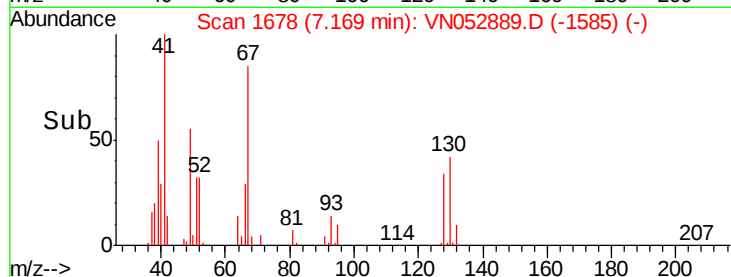
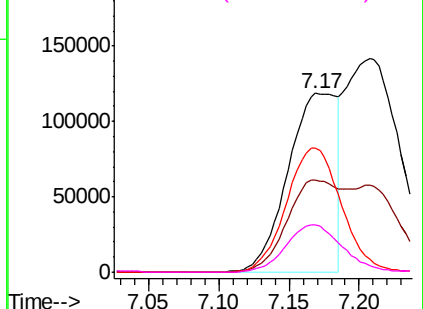
#41
Methacrylonitrile
Concen: 50.530 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 285436
Ion Ratio Lower Upper
41 100
39 66.0 48.0 72.0
67 78.5 70.3 105.5
52 31.1 26.9 40.3

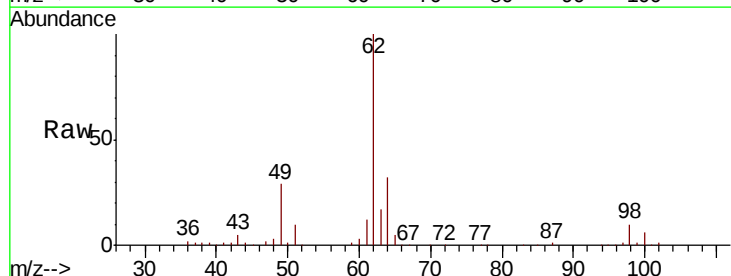


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

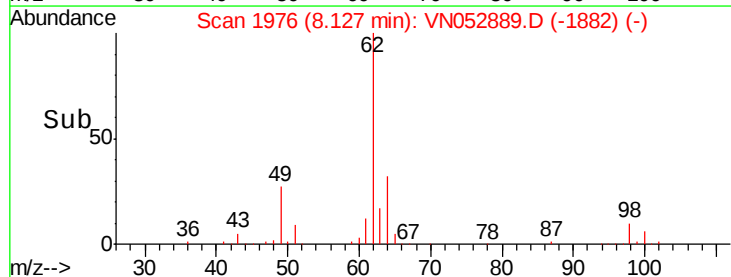
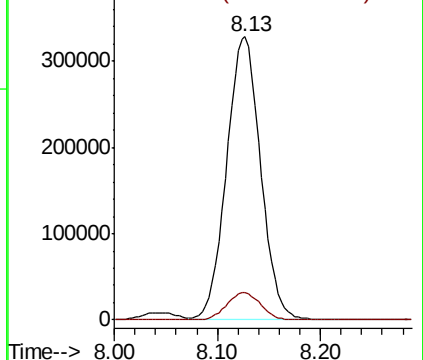


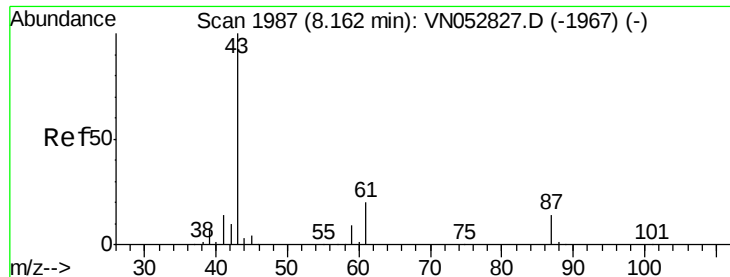
#42
1,2-Dichloroethane
Concen: 49.040 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 62 Resp: 752003
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 42.479 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

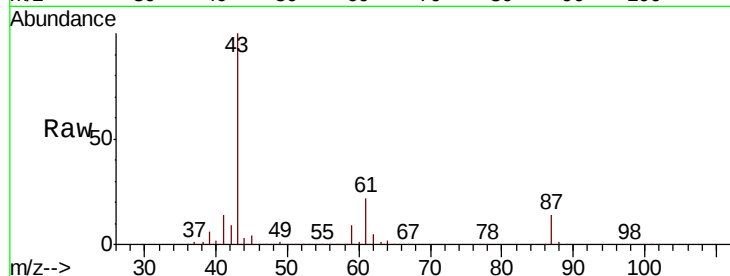
Tot Ion: 43 Resp: 887922

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

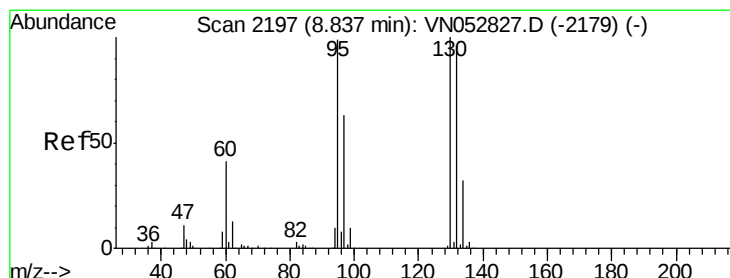
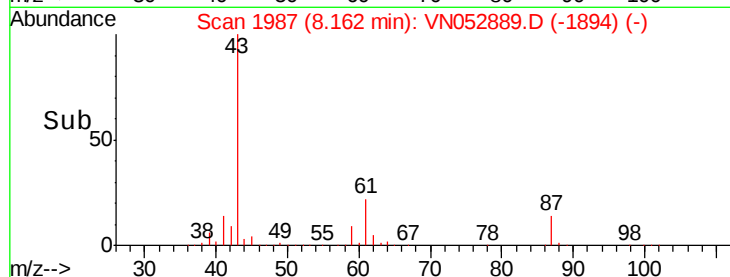
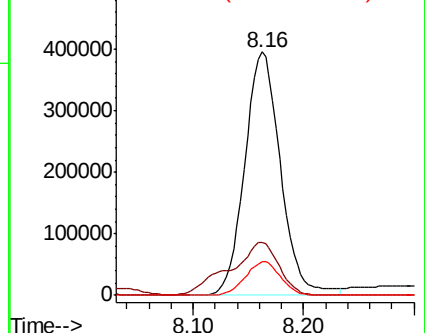
87 13.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#44

Trichloroethene

Concen: 54.792 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052889.D

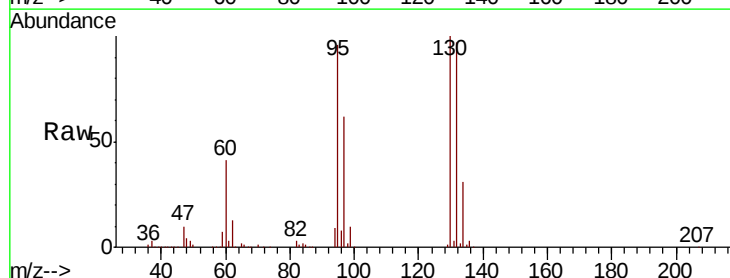
Acq: 14 Dec 2018 15:21

Tgt Ion:130 Resp: 753841

Ion Ratio Lower Upper

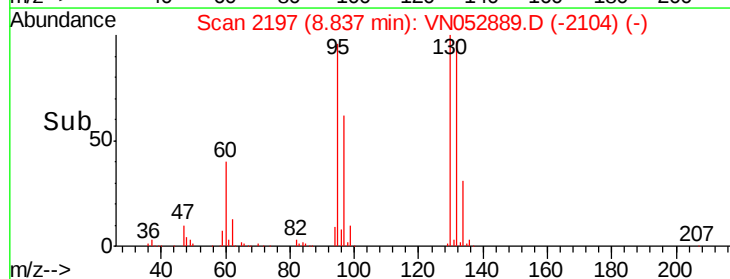
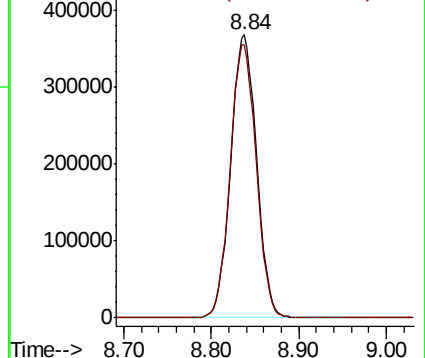
130 100

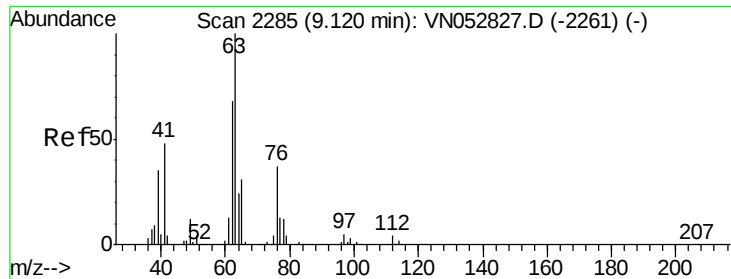
95 96.4 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

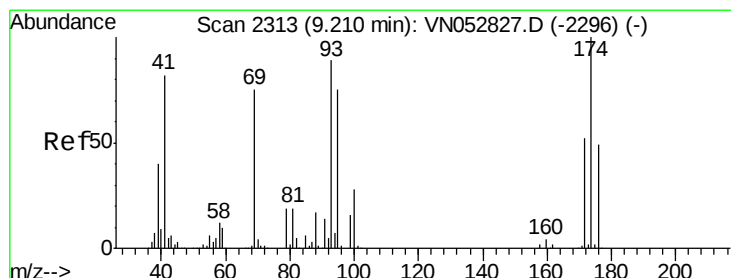
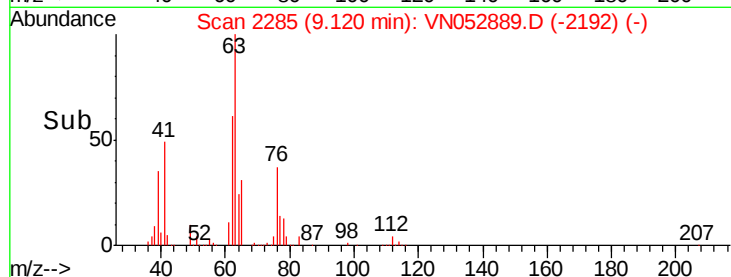
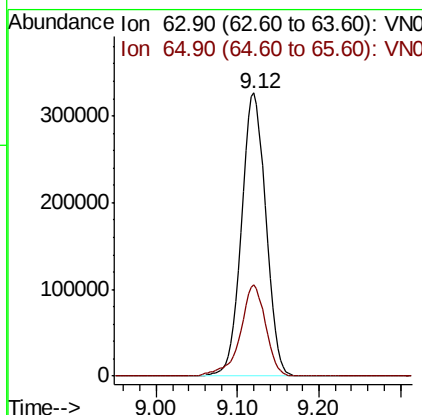
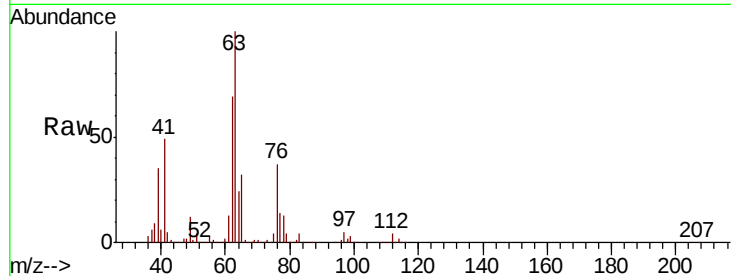




#45
 1,2-Dichloropropane
 Concen: 50.235 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

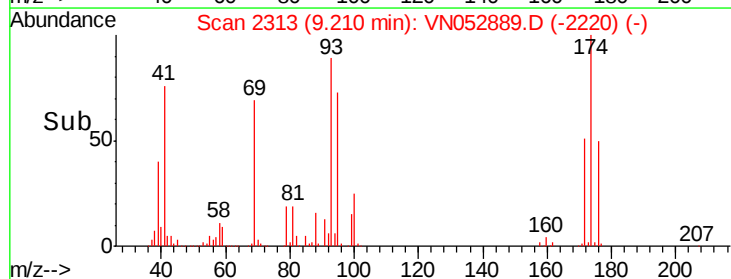
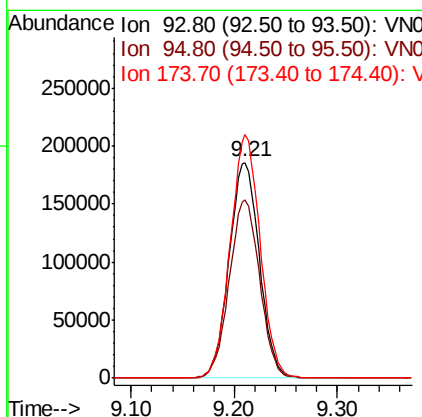
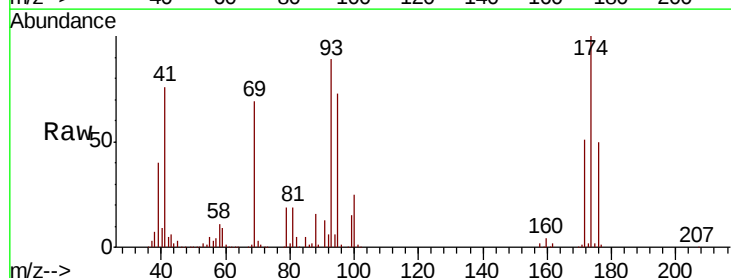
Instrument :
 MSVOA_N
 ClientSampled :

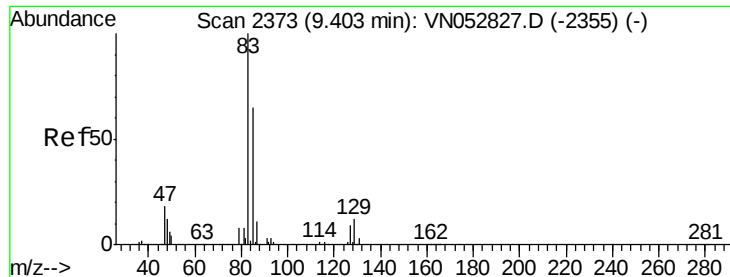
Tot Ion: 63 Resp: 670209
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.6 37.0



#46
 Dibromomethane
 Concen: 49.016 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion: 93 Resp: 379248
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.8 101.6
 174 112.2 89.0 133.4





#47

Bromodichloromethane

Concen: 50.447 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :

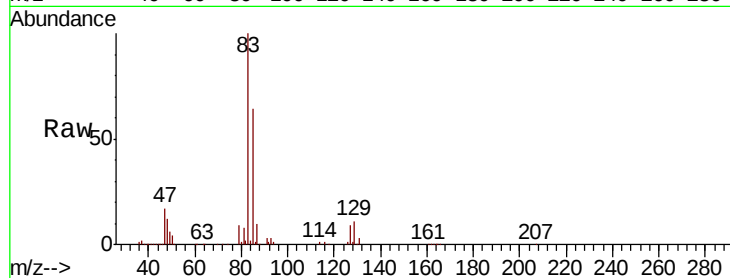
Tot Ion: 83 Resp: 809402

Ion Ratio Lower Upper

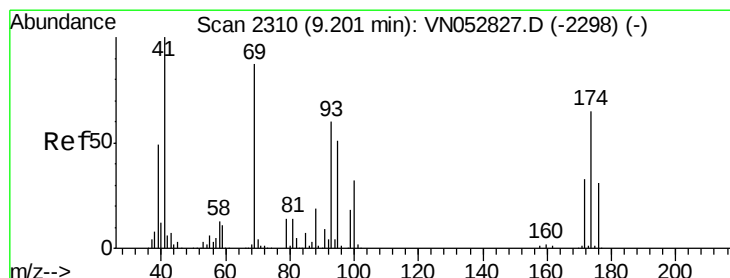
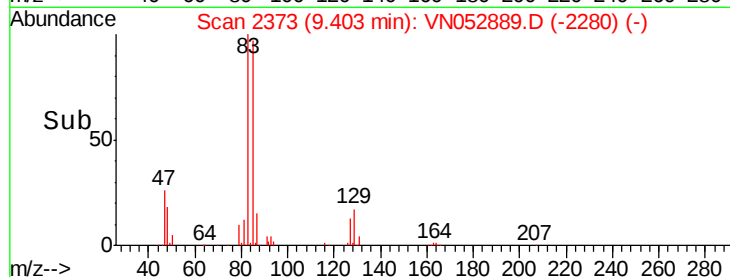
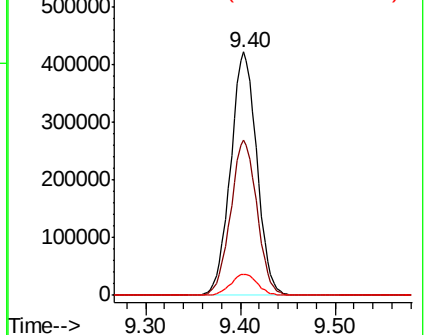
83 100

85 63.6 51.6 77.4

127 8.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 49.158 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

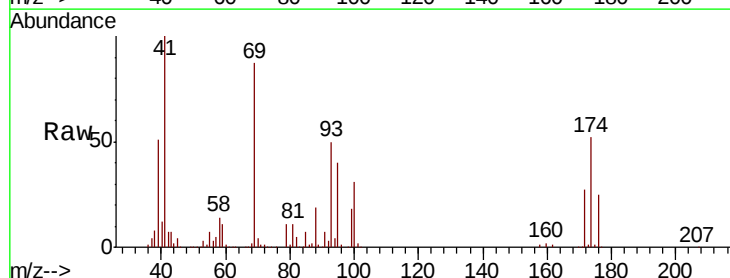
Tgt Ion: 41 Resp: 450619

Ion Ratio Lower Upper

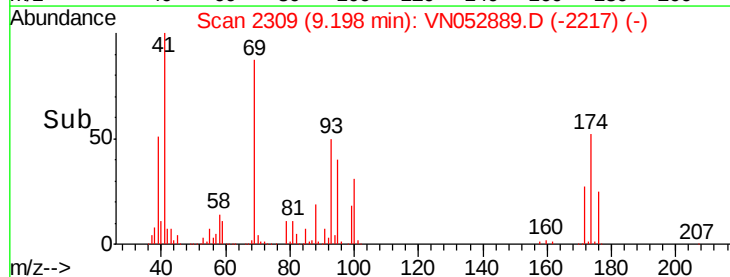
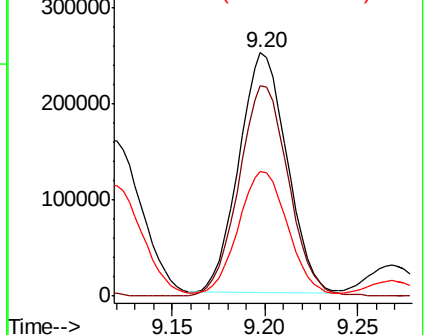
41 100

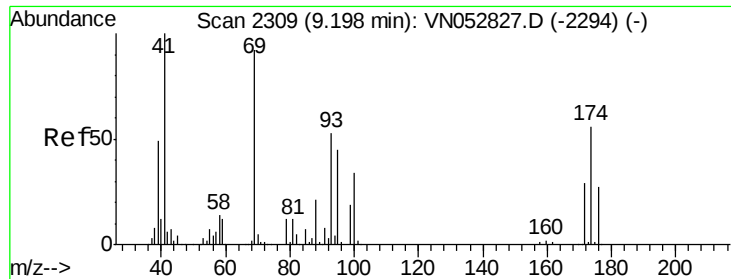
69 90.8 72.2 108.2

39 53.6 41.9 62.9



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

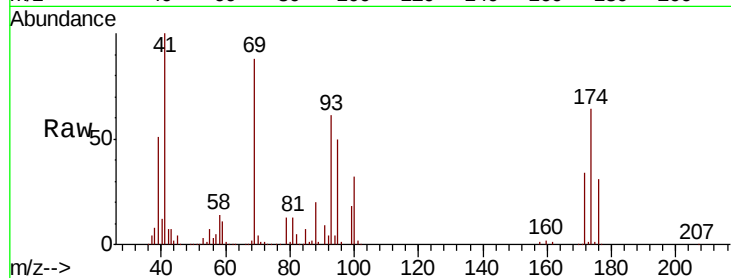




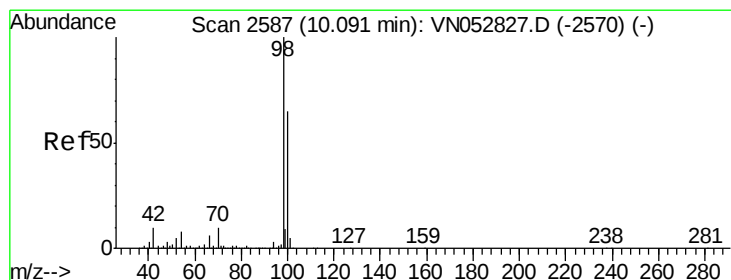
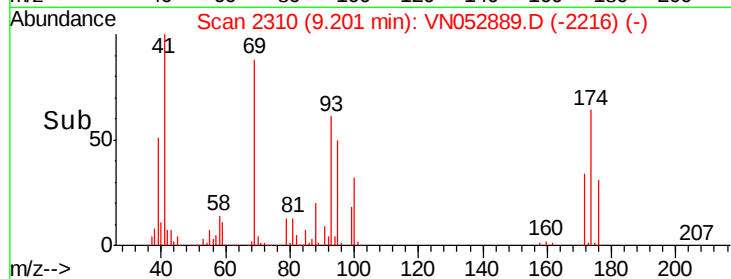
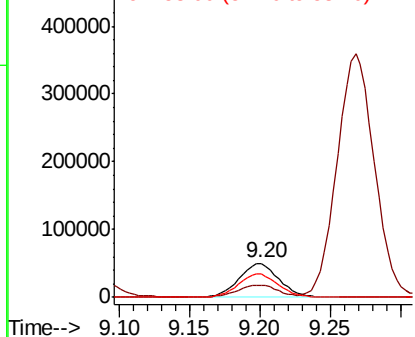
#49
 1,4-Dioxane
 Concen: 953.340 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 99195
 Ion Ratio Lower Upper
 88 100
 43 33.7 26.6 40.0
 58 69.9 58.4 87.6

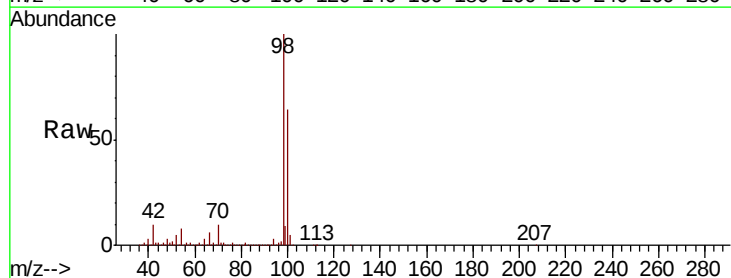


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

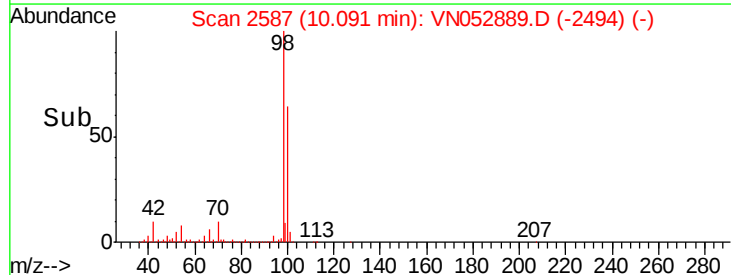
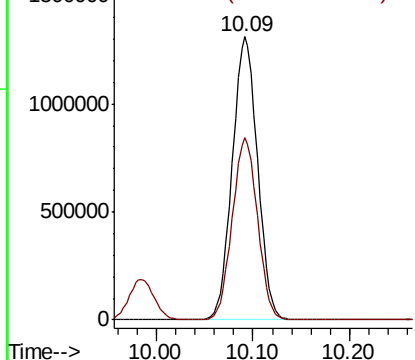


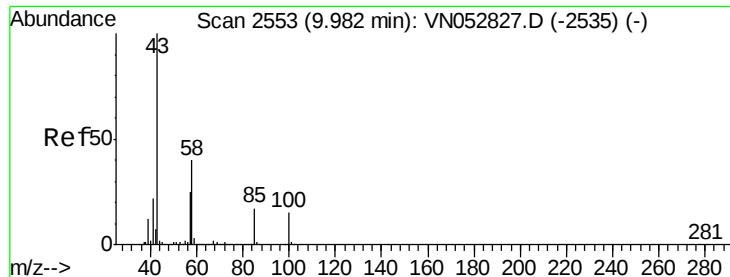
#50
 Toluene-d8
 Concen: 953.340 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion: 98 Resp: 2371018
 Ion Ratio Lower Upper
 98 100
 100 64.4 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: 235.793 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

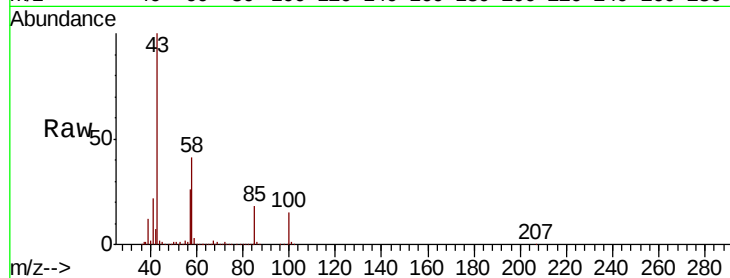
ClientSampled :

Tot Ion: 43 Resp: 2260017

Ion Ratio Lower Upper

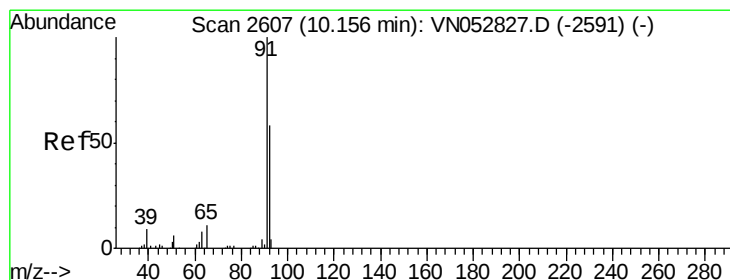
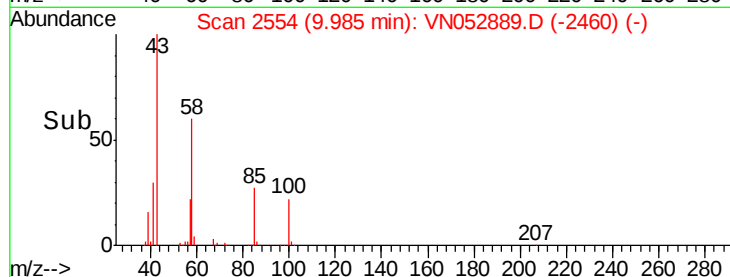
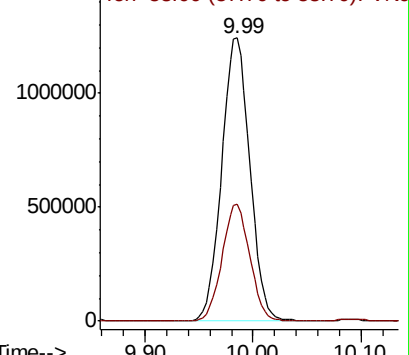
43 100

58 40.9 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-2535) (-)



#52

Toluene

Concen: 51.412 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052889.D

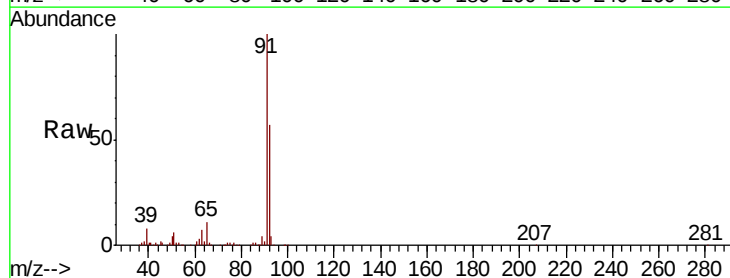
Acq: 14 Dec 2018 15:21

Tgt Ion: 92 Resp: 1586051

Ion Ratio Lower Upper

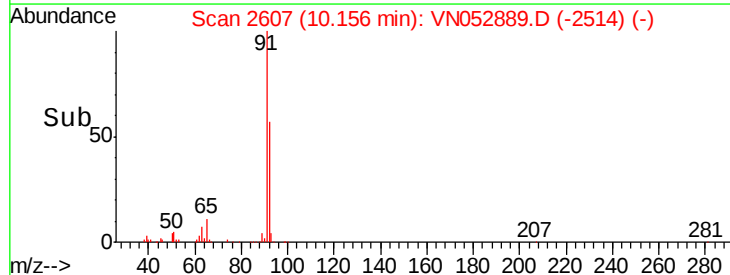
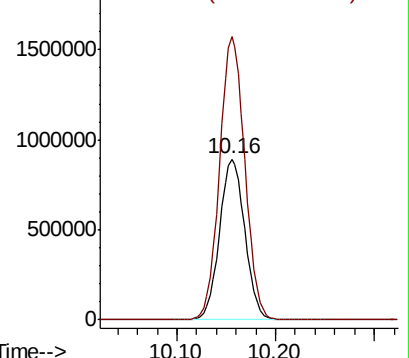
92 100

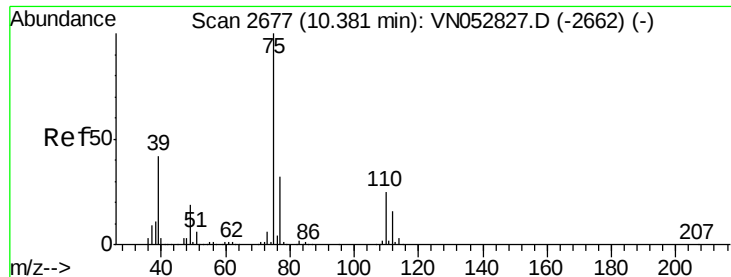
91 176.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052827.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 51.951 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

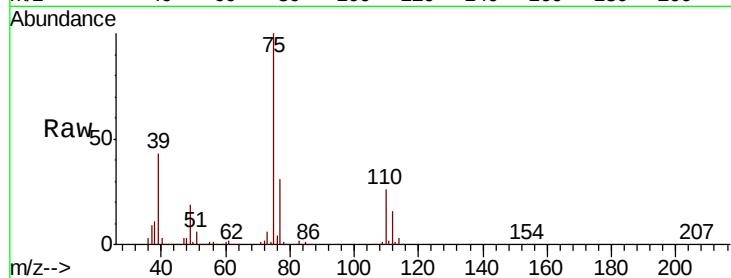
ClientSampleId :

Tot Ion: 75 Resp: 838783

Ion Ratio Lower Upper

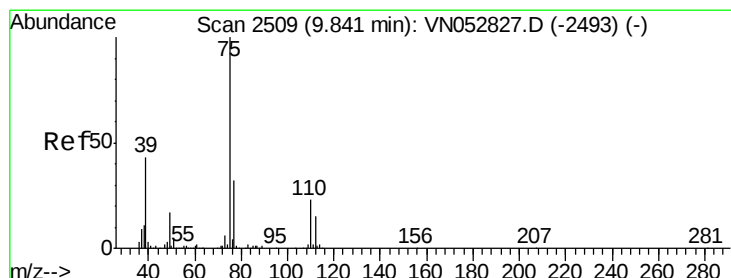
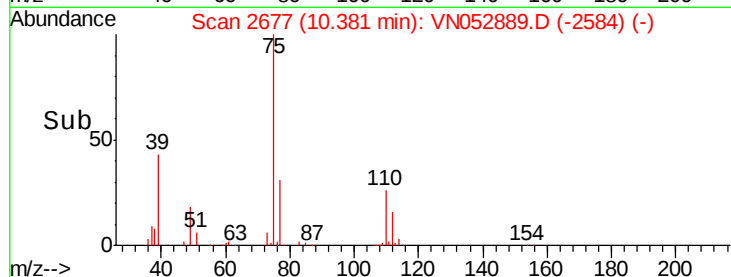
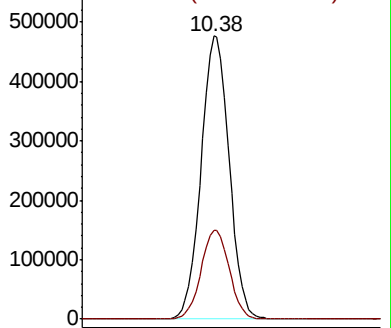
75 100

77 31.4 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.382 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

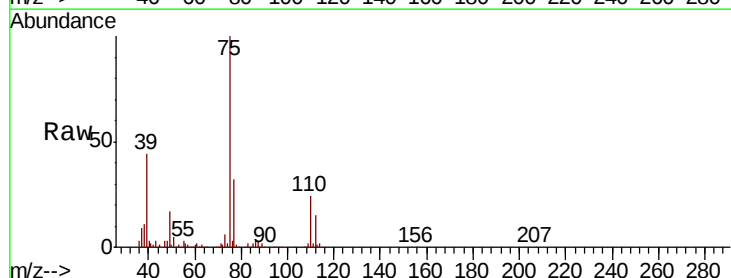
Tgt Ion: 75 Resp: 988566

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

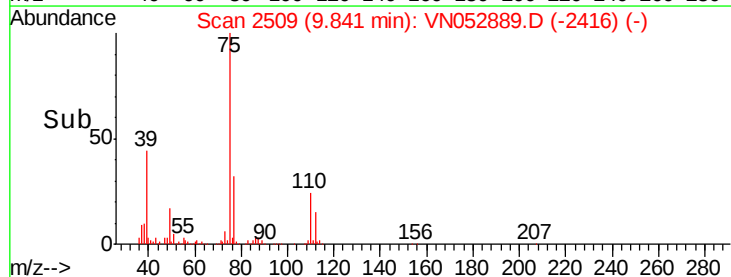
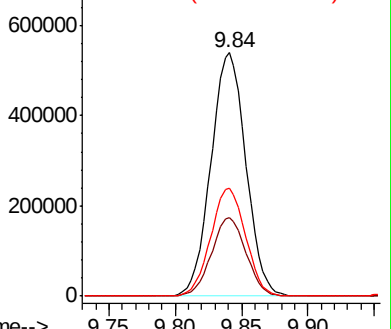
39 44.2 34.8 52.2

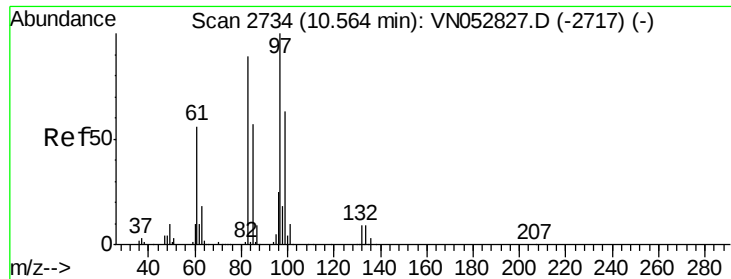


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.132 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 541070

Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.9	106.3
85	57.1	45.4	68.2
99	63.0	50.4	75.6

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

400000

300000

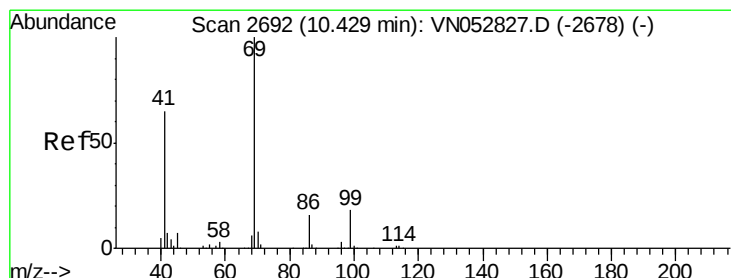
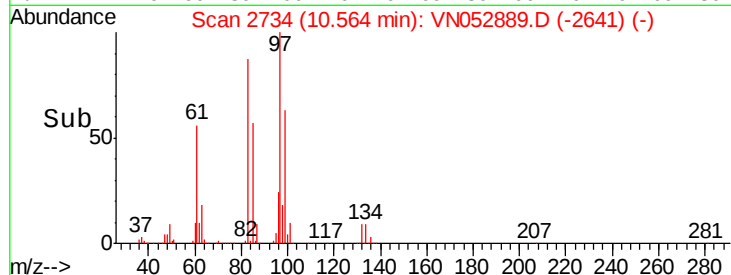
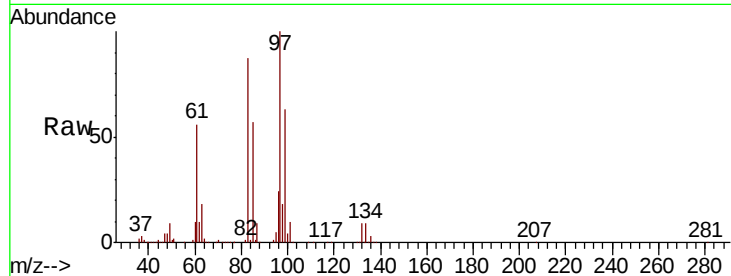
200000

100000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 50.460 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Tgt Ion: 69 Resp: 713147

Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.7	77.5
39	30.8	24.6	37.0

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

600000

500000

400000

300000

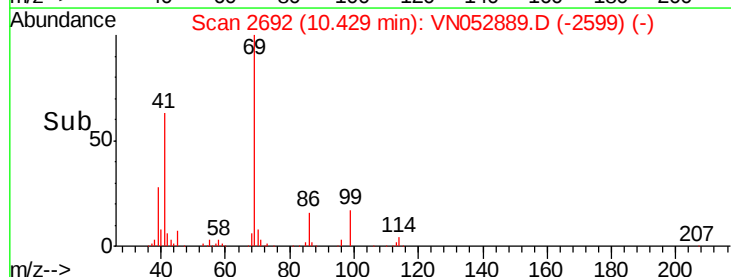
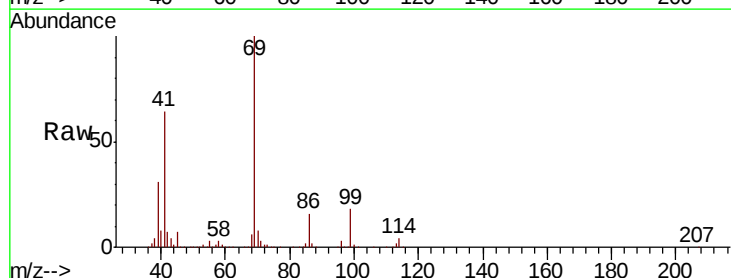
200000

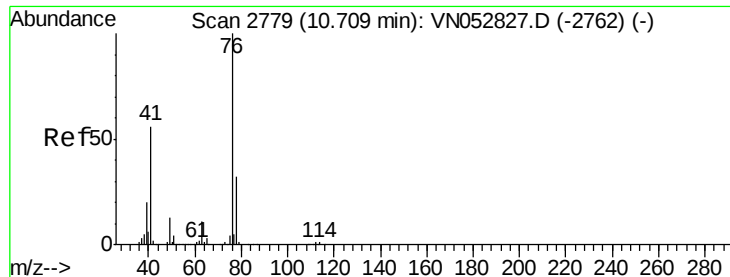
100000

0

10.35 10.40 10.45 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 49.609 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

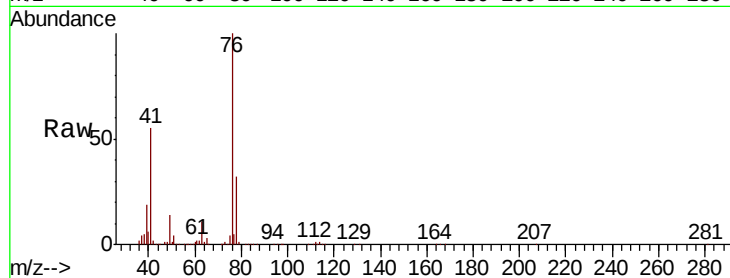
ClientSampled :

Tot Ion: 76 Resp: 936851

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

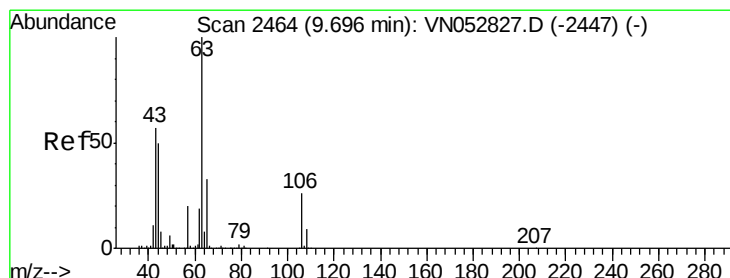
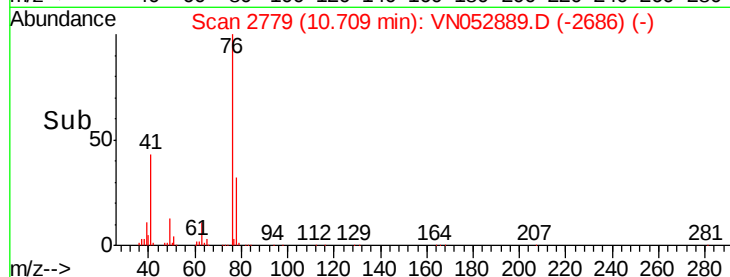
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 246.652 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052889.D

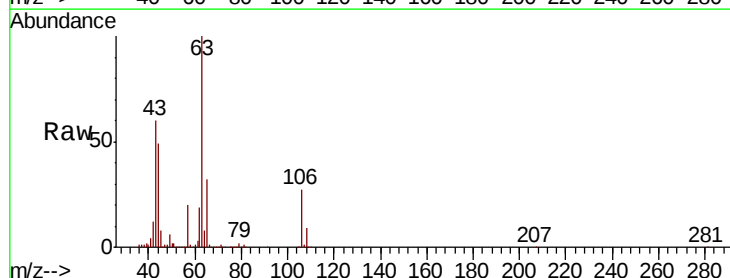
Acq: 14 Dec 2018 15:21

Tgt Ion: 63 Resp: 1945054

Ion Ratio Lower Upper

63 100

106 27.0 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1200000

1000000

800000

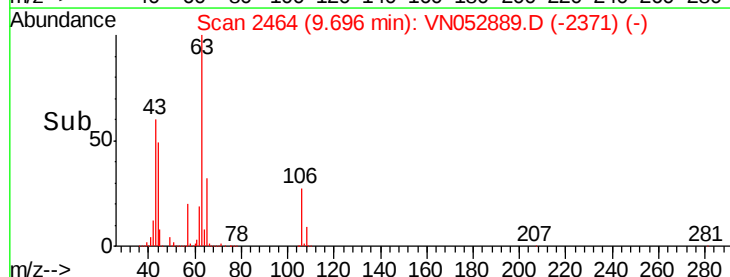
600000

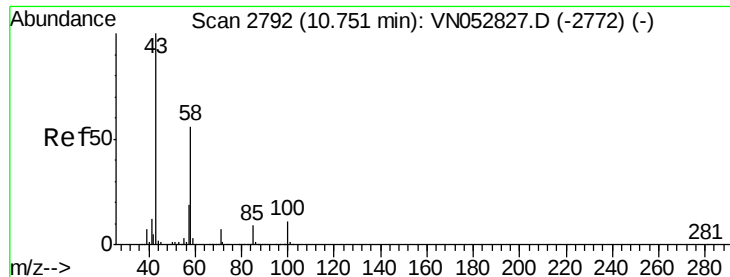
400000

200000

0

Time--> 9.60 9.70 9.80

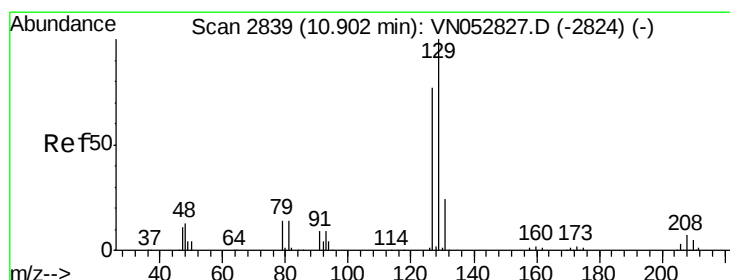
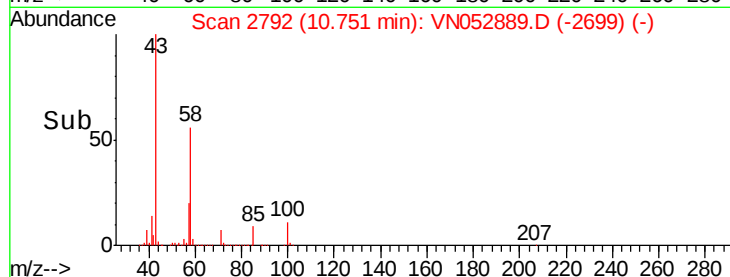
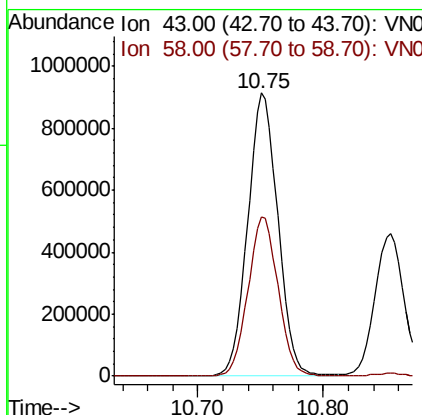
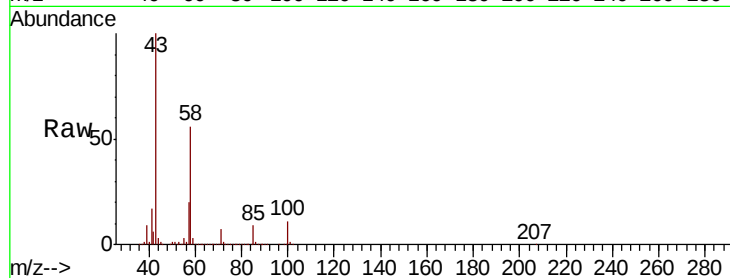




#59
2-Hexanone
Concen: 232.189 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

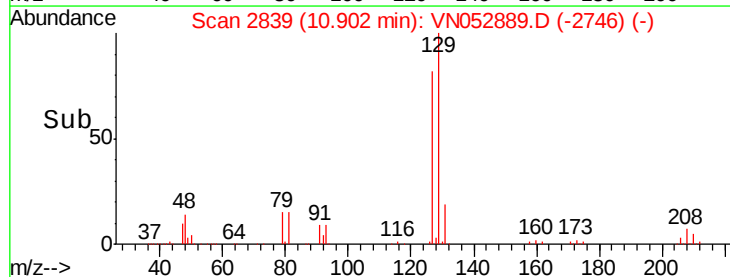
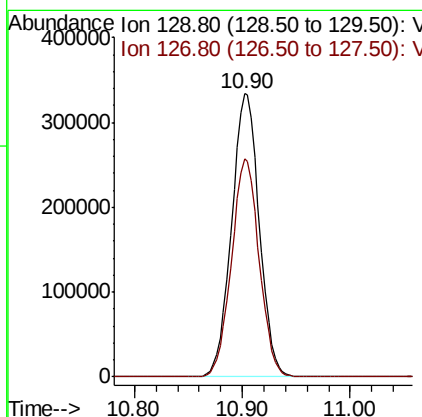
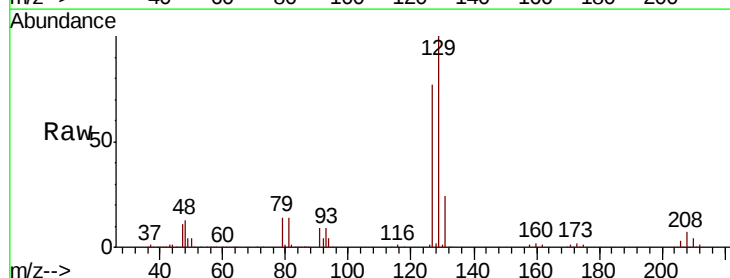
Instrument :
MSVOA_N
ClientSampled :

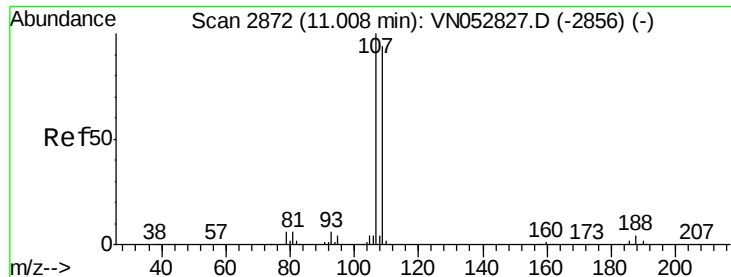
Tot Ion: 43 Resp: 1525155
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3



#60
Dibromochloromethane
Concen: 50.148 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 129 Resp: 596858
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.829 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

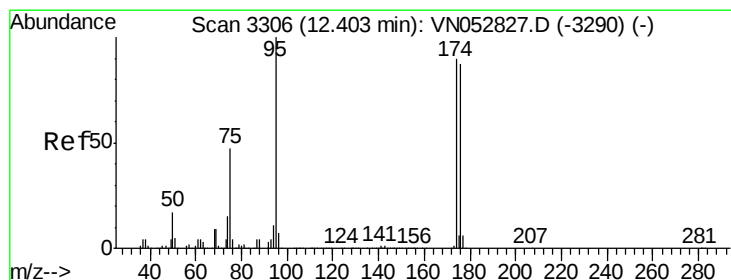
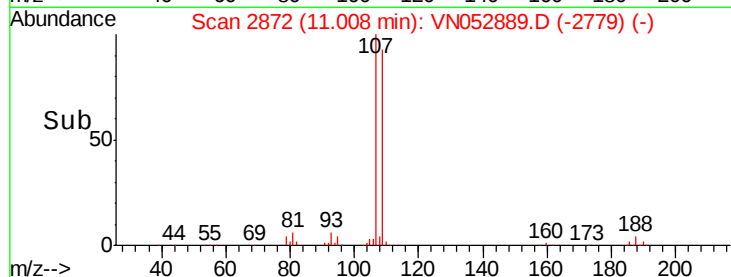
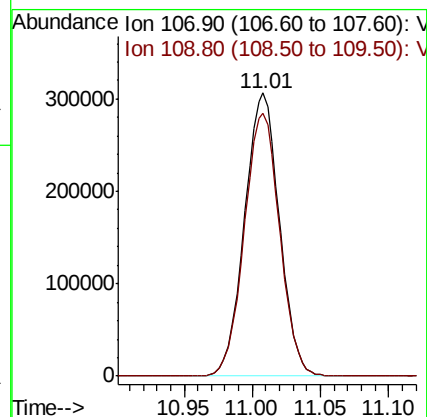
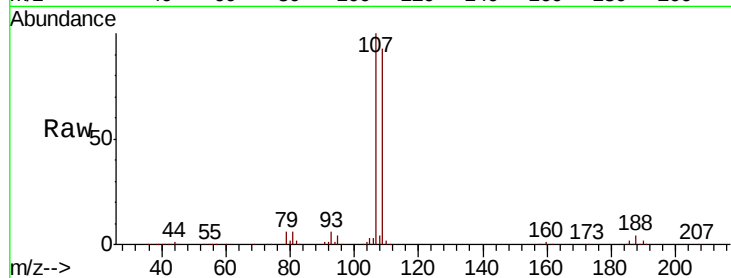
ClientSampleId :

Tot Ion:107 Resp: 542417

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 49.829 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

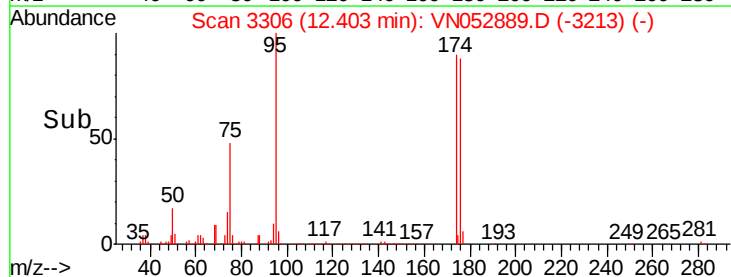
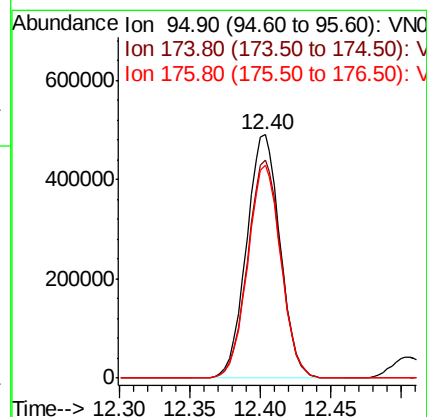
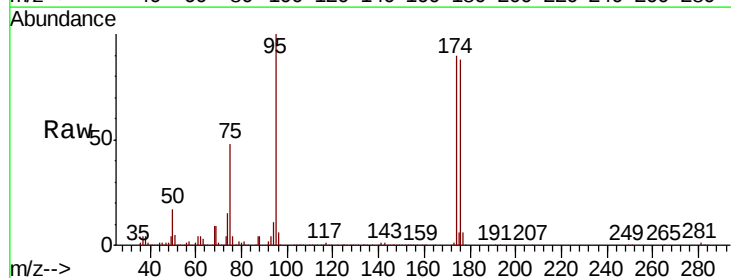
Tgt Ion: 95 Resp: 816936

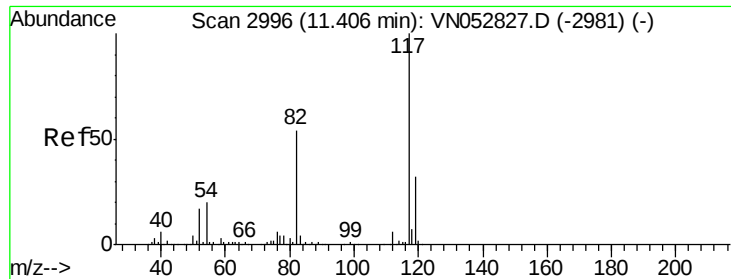
Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

176 86.7 0.0 173.8

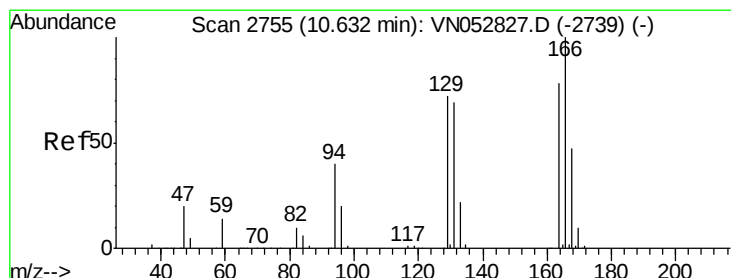
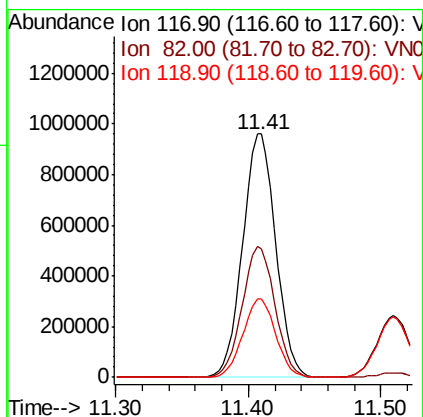
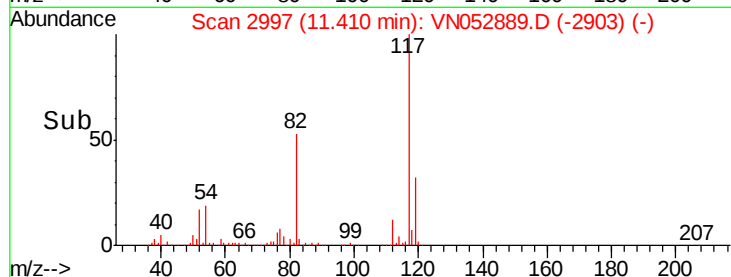
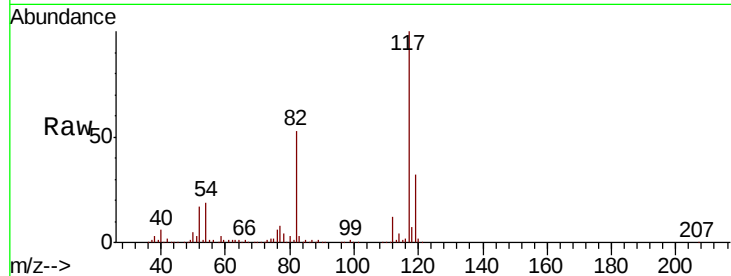




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

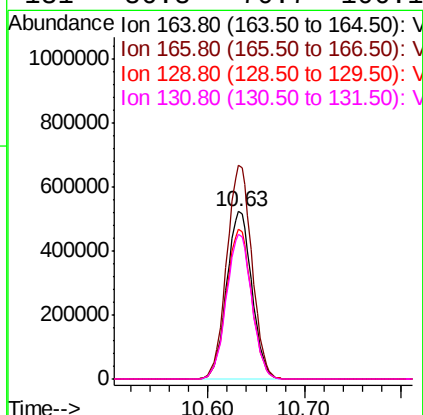
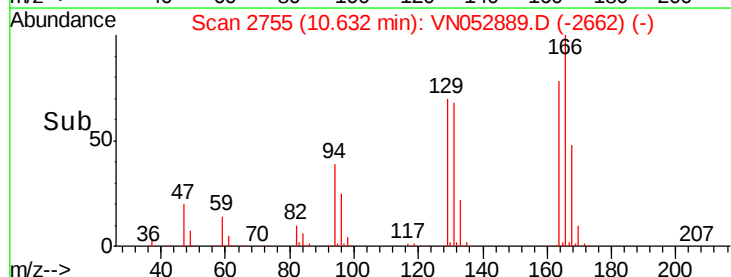
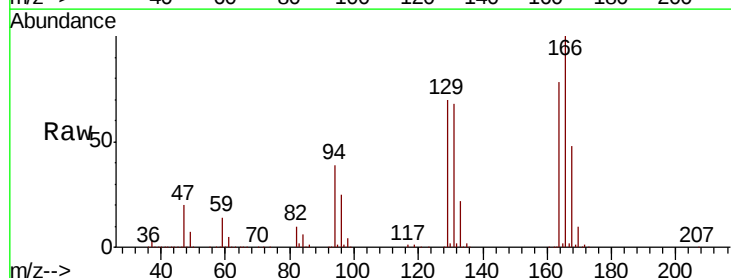
Instrument :
MSVOA_N
ClientSampleId :

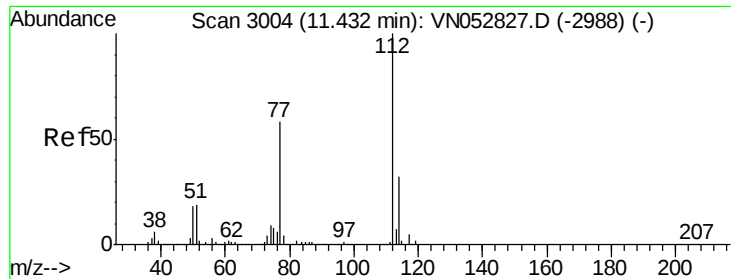
Tot Ion:117 Resp: 1660254
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 65.964 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion:164 Resp: 941271
Ion Ratio Lower Upper
164 100
166 127.8 102.9 154.3
129 89.4 73.7 110.5
131 86.8 70.7 106.1





#65

Chlorobenzene

Concen: 51.030 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

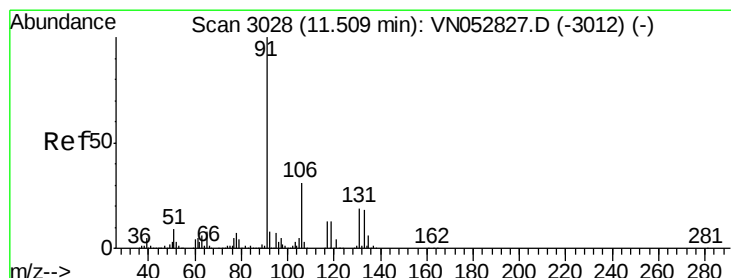
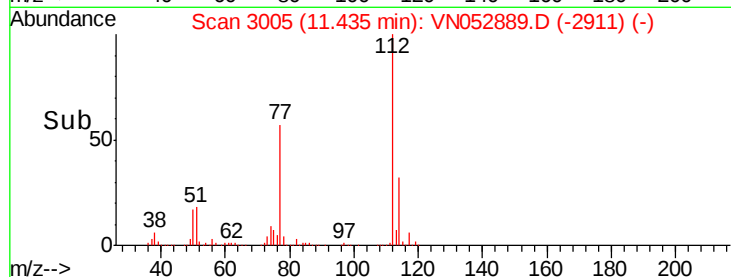
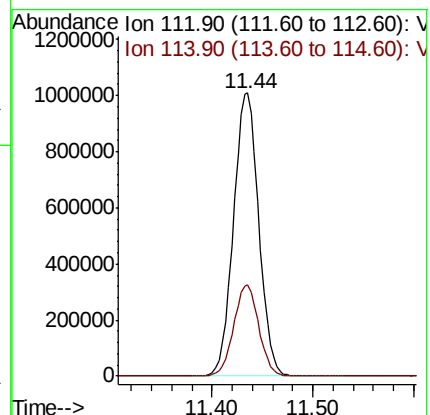
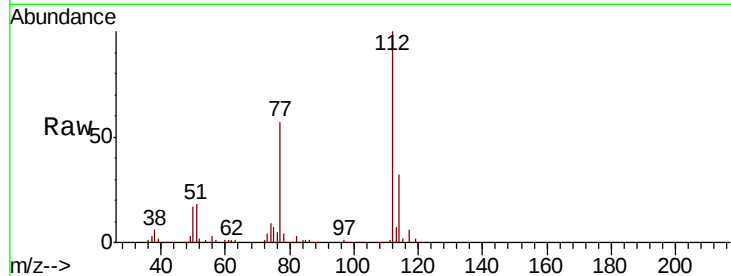
ClientSampled :

Tot Ion:112 Resp: 1757704

Ion Ratio Lower Upper

112 100

114 32.1 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 50.612 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

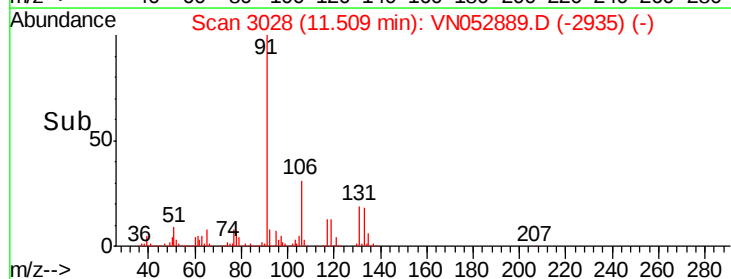
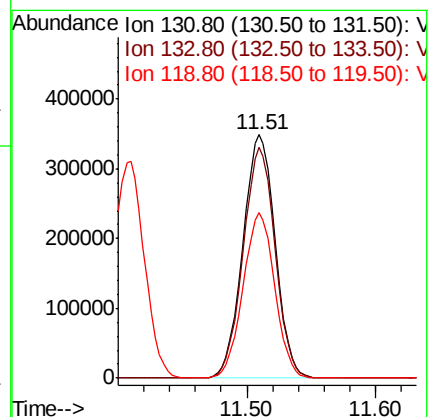
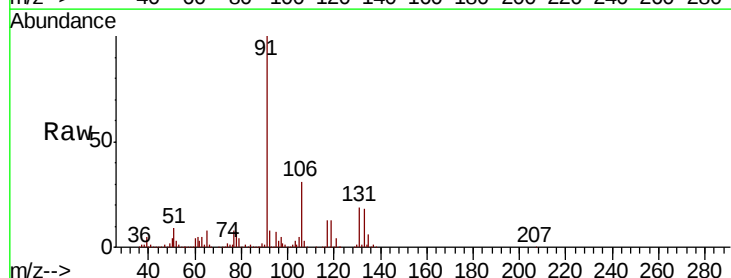
Tgt Ion:131 Resp: 606298

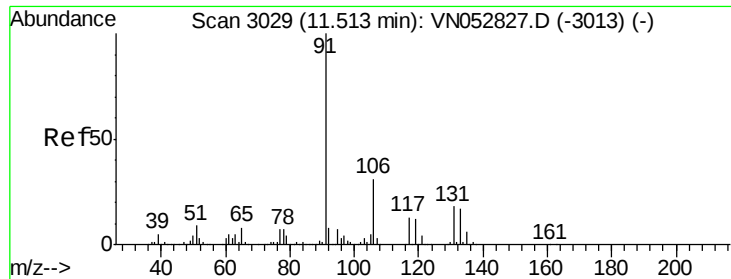
Ion Ratio Lower Upper

131 100

133 94.0 47.6 142.9

119 66.8 33.3 99.8

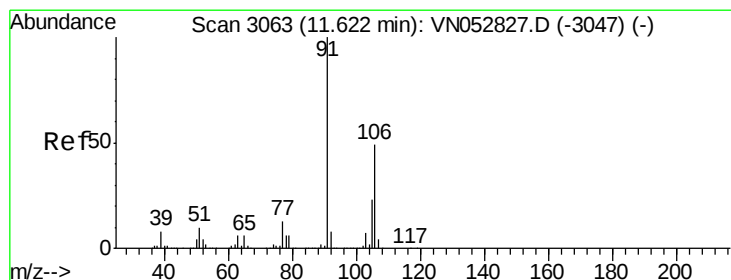
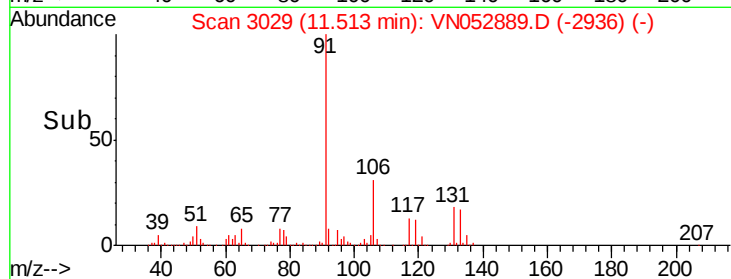
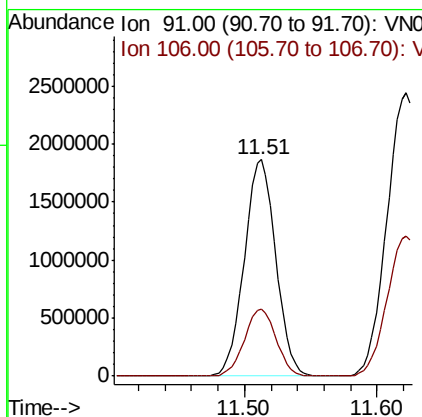
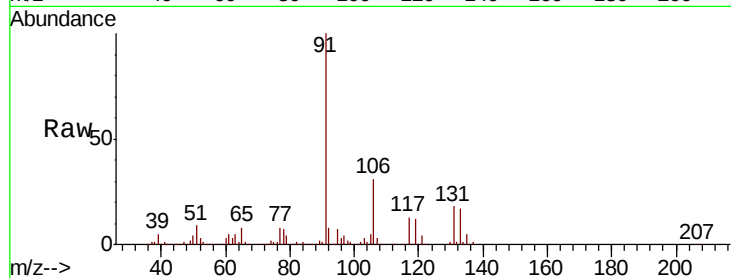




#67
Ethyl Benzene
Concen: 51.783 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

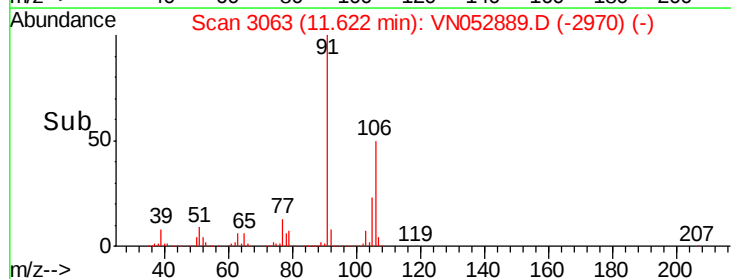
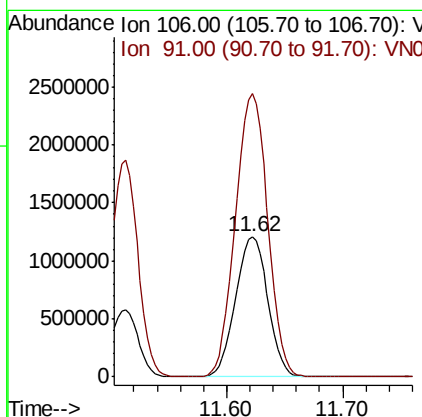
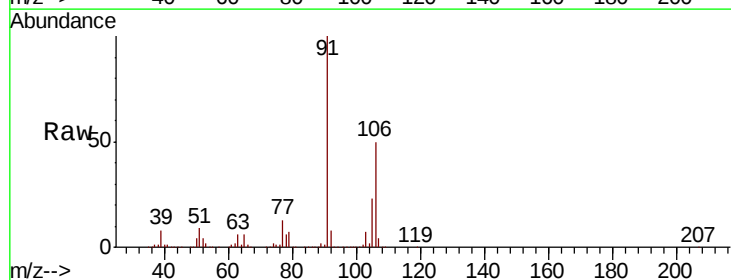
Instrument :
MSVOA_N
ClientSampled :

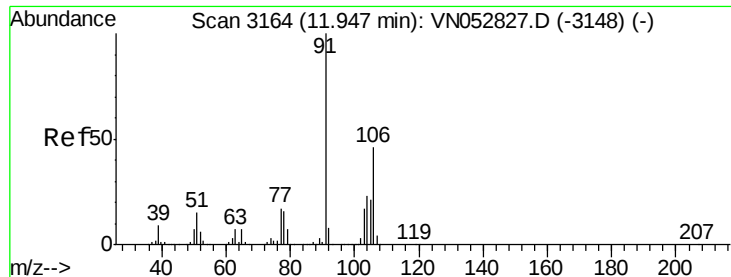
Tot Ion: 91 Resp: 3063059
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 104.626 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 106 Resp: 2323815
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4

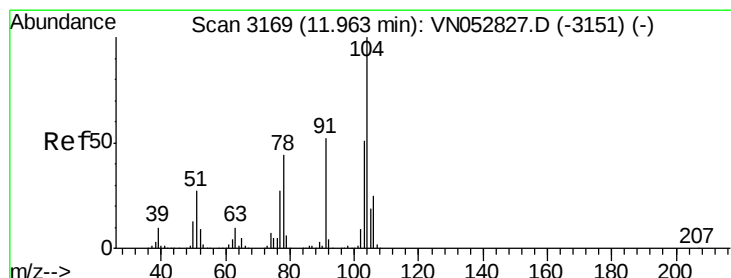
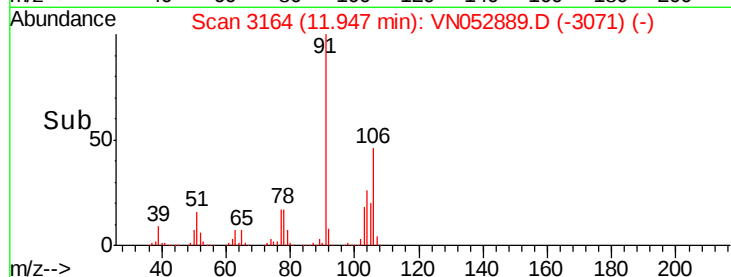
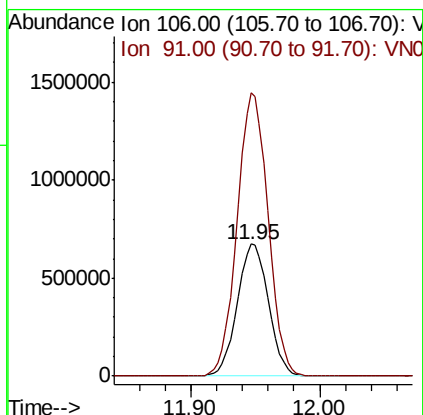
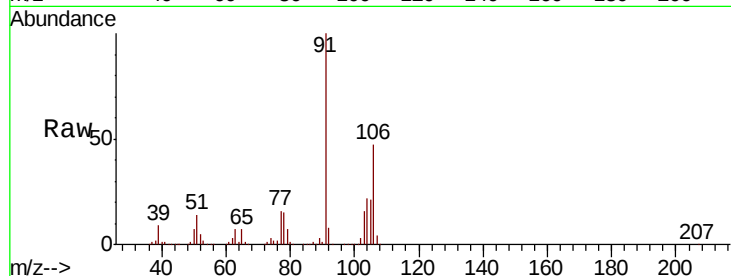




#69
o-Xylene
Concen: 52.145 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

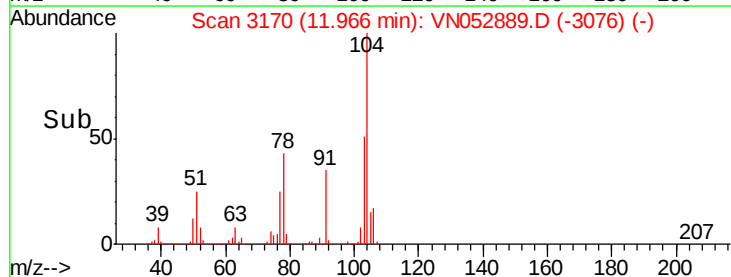
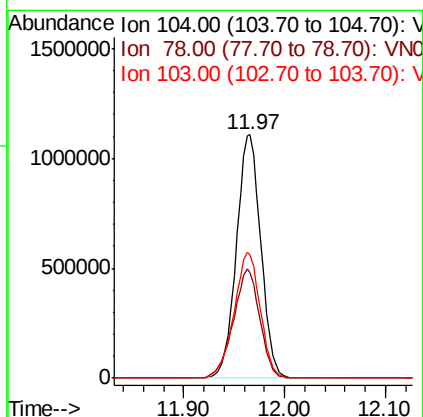
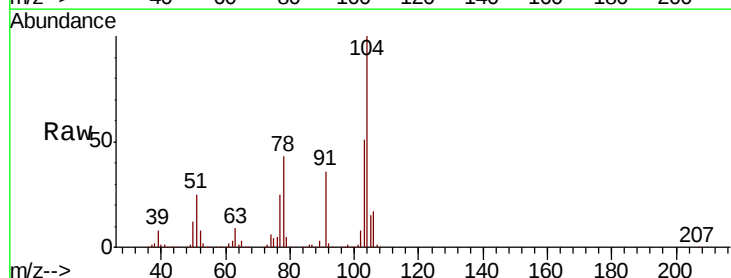
Instrument :
MSVOA_N
ClientSampled :

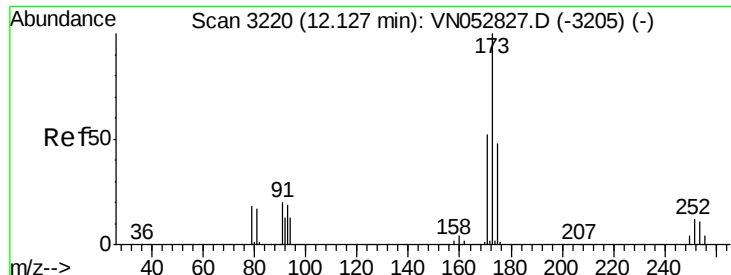
Tot Ion:106 Resp: 1130942
Ion Ratio Lower Upper
106 100
91 212.9 106.6 319.8



#70
Styrene
Concen: 53.124 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion:104 Resp: 1852170
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 55.5 44.3 66.5

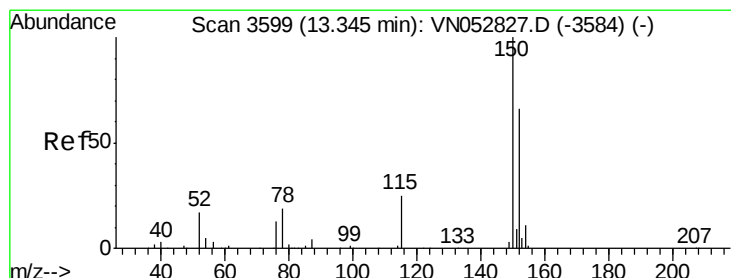
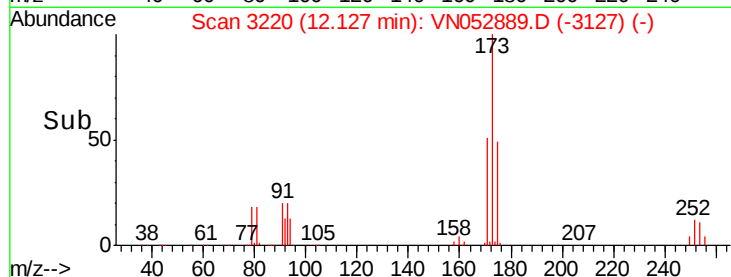
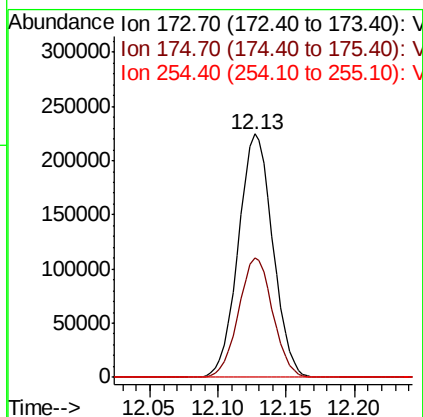
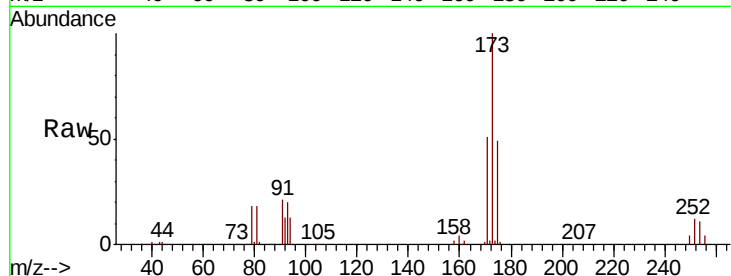




#71
Bromoform
Concen: 48.364 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

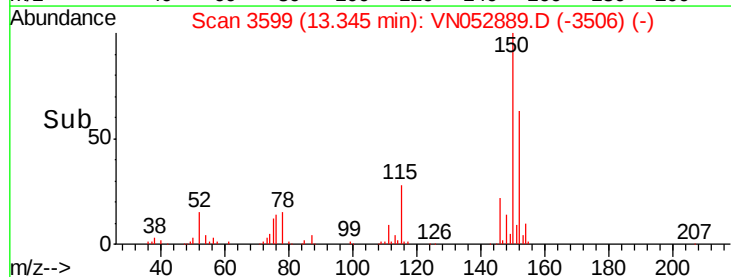
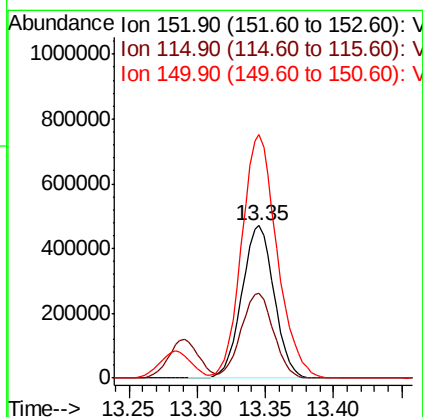
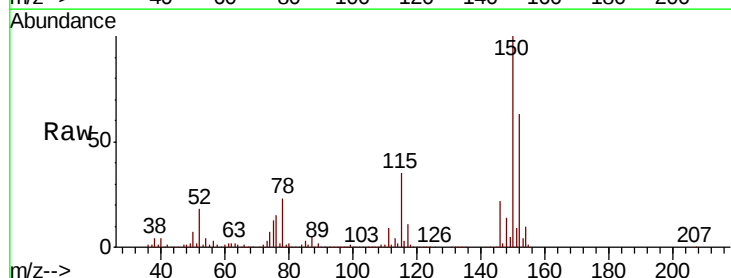
Instrument :
MSVOA_N
ClientSampleId :

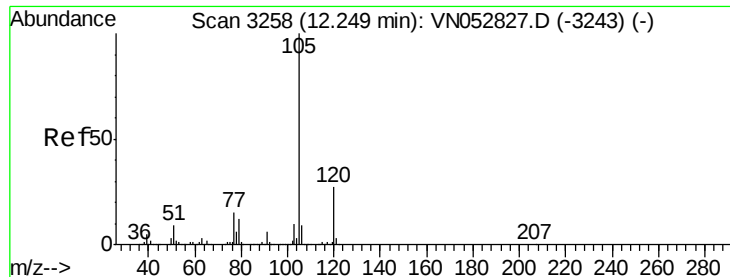
Tot Ion:173 Resp: 393600
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion:152 Resp: 770040
Ion Ratio Lower Upper
152 100
115 56.3 28.3 85.0
150 174.9 0.0 347.8





#73

Isopropylbenzene

Concen: 52.723 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

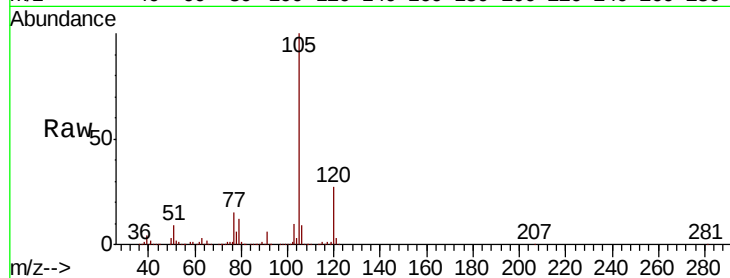
ClientSampleId :

Tot Ion:105 Resp: 3031278

Ion Ratio Lower Upper

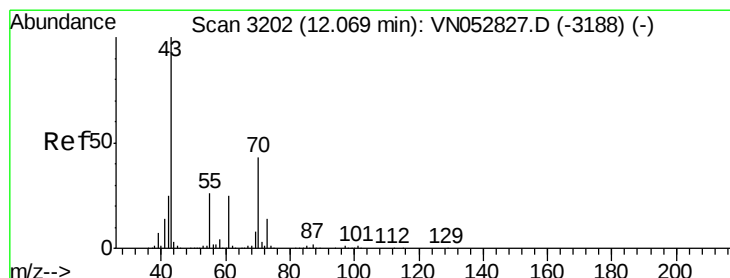
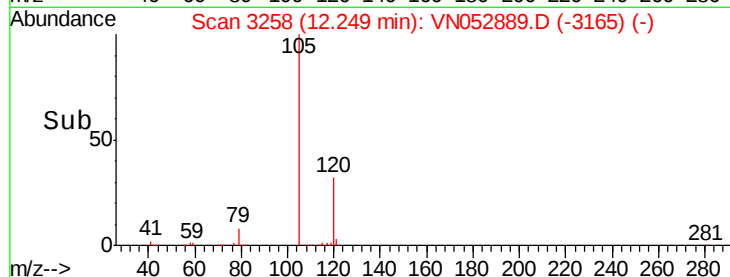
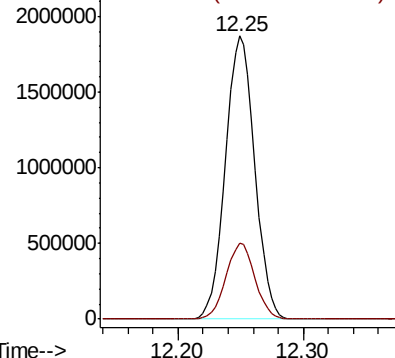
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.050 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Tgt Ion: 43 Resp: 805794

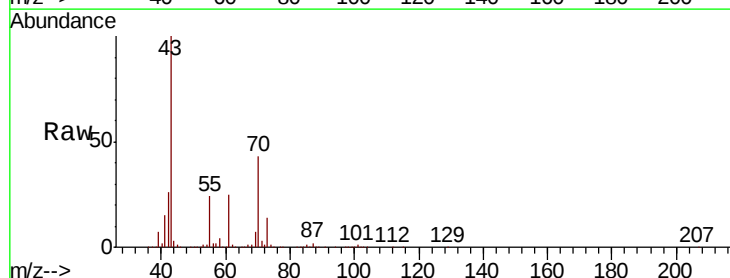
Ion Ratio Lower Upper

43 100

70 43.1 34.2 51.4

55 24.8 20.3 30.5

61 24.8 20.0 30.0

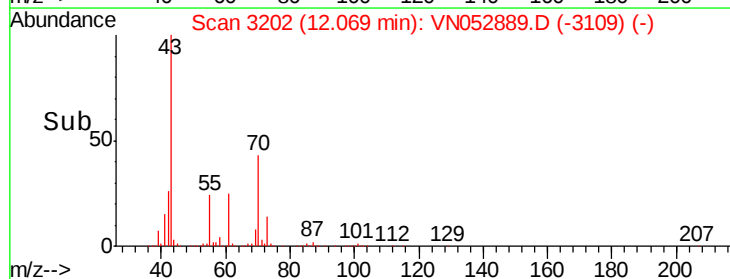
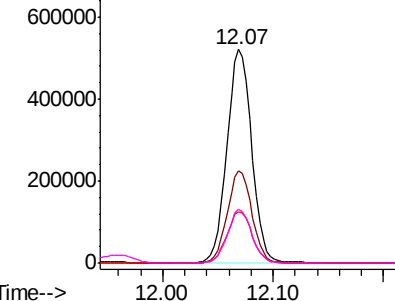


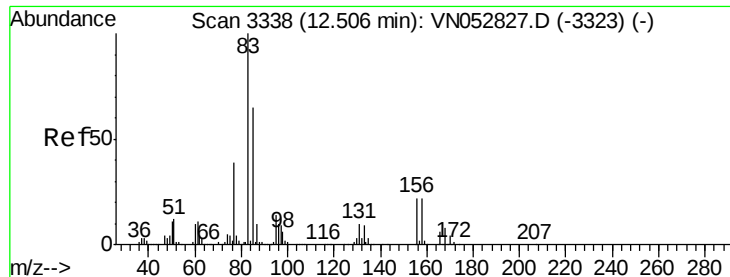
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 37.547 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

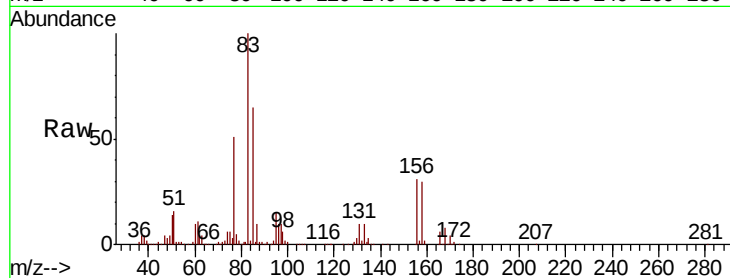
Tot Ion: 83 Resp: 483798

Ion Ratio Lower Upper

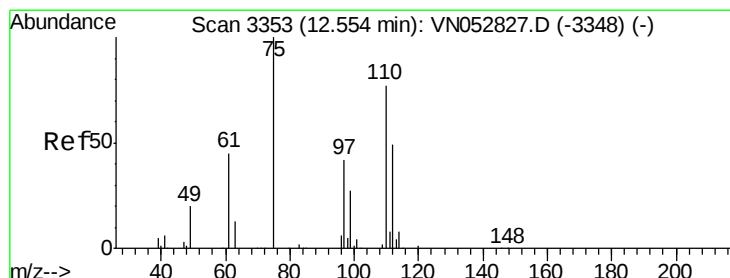
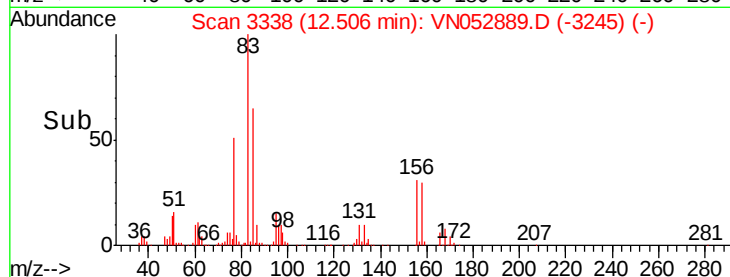
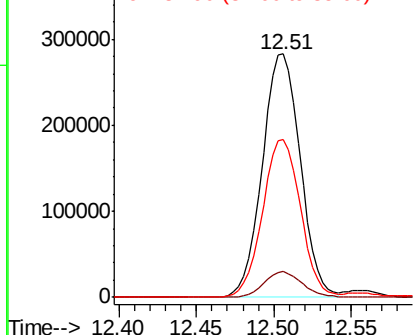
83 100

131 10.7 5.2 15.6

85 64.8 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 71.000 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052889.D

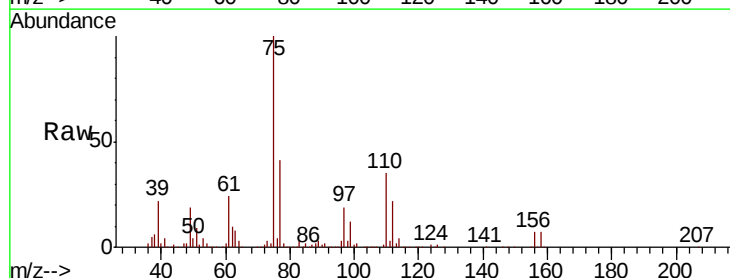
Acq: 14 Dec 2018 15:21

Tgt Ion: 75 Resp: 806632

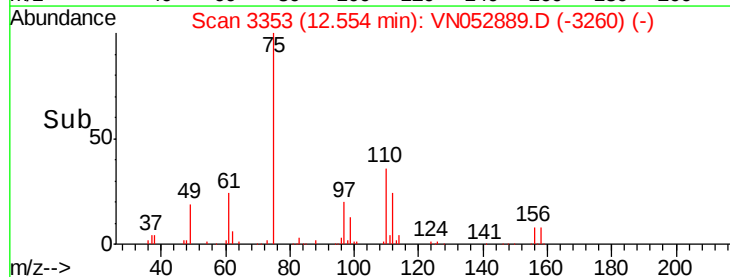
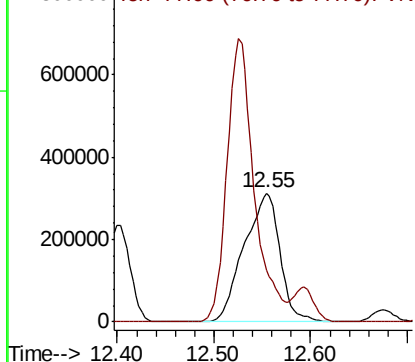
Ion Ratio Lower Upper

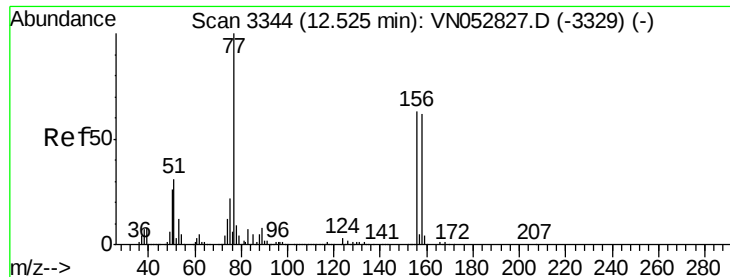
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.893 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

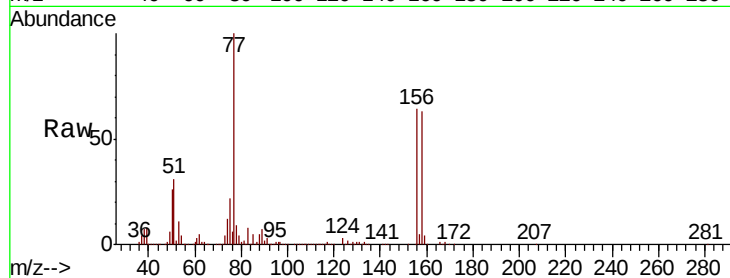
Tot Ion:156 Resp: 758848

Ion Ratio Lower Upper

156 100

77 176.8 91.3 273.8

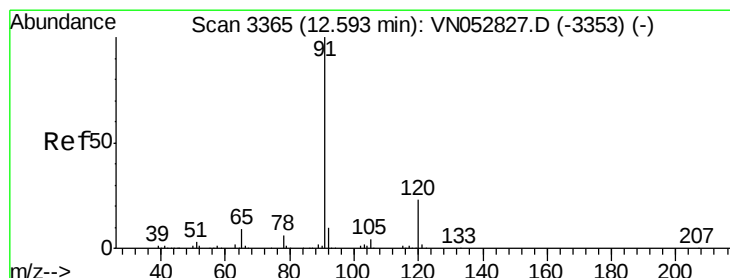
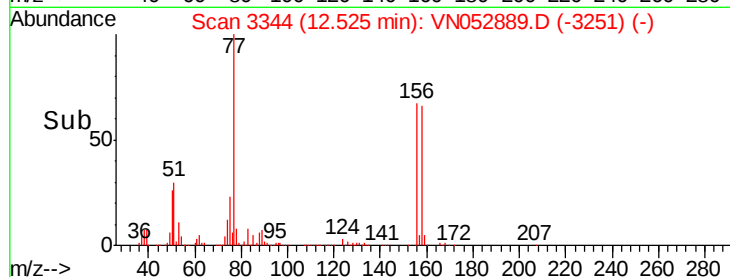
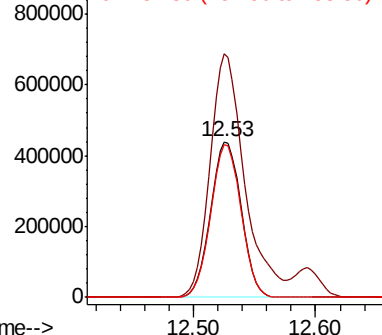
158 97.4 49.0 147.2



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: 53.046 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052889.D

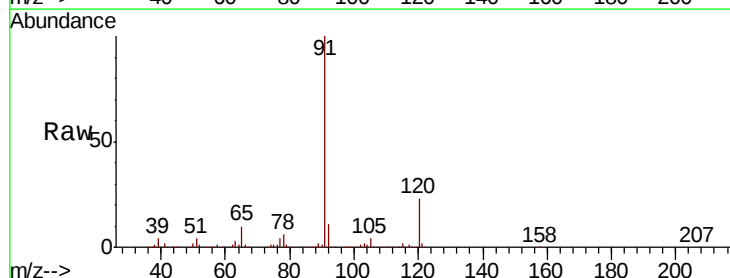
Acq: 14 Dec 2018 15:21

Tgt Ion: 91 Resp: 3478279

Ion Ratio Lower Upper

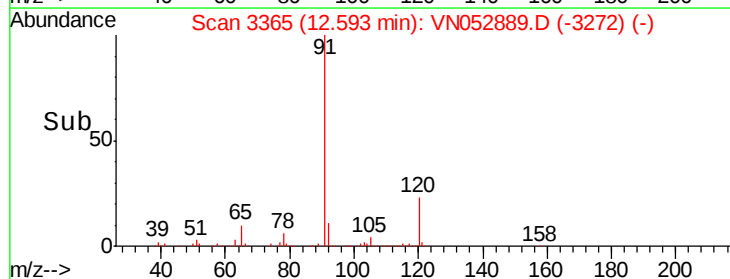
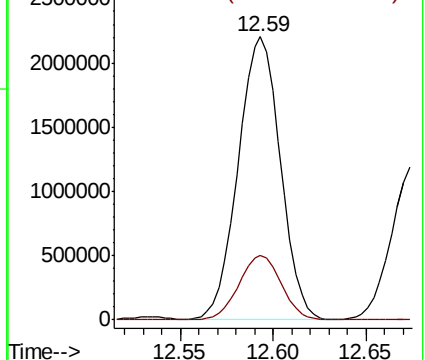
91 100

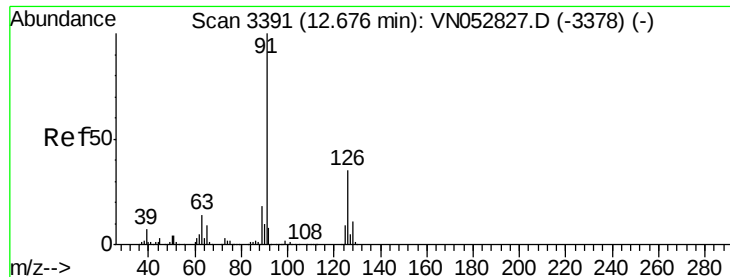
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.335 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

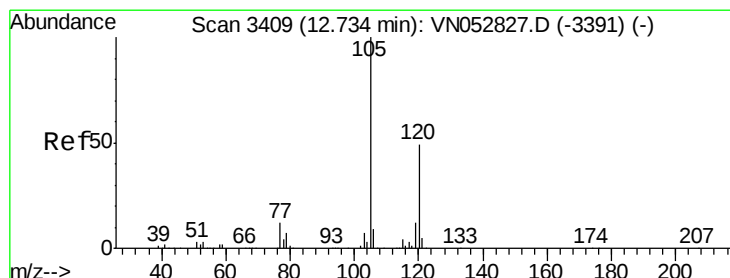
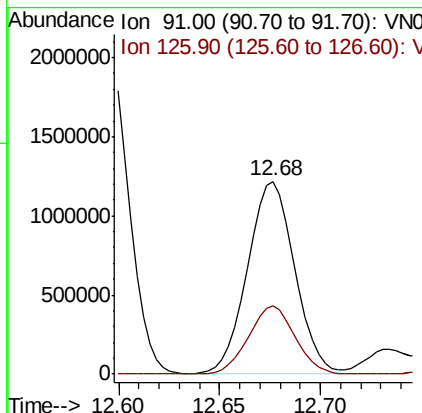
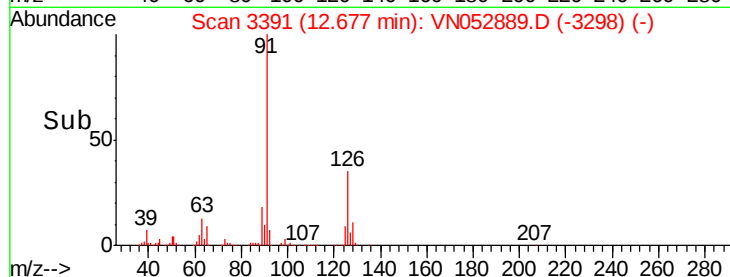
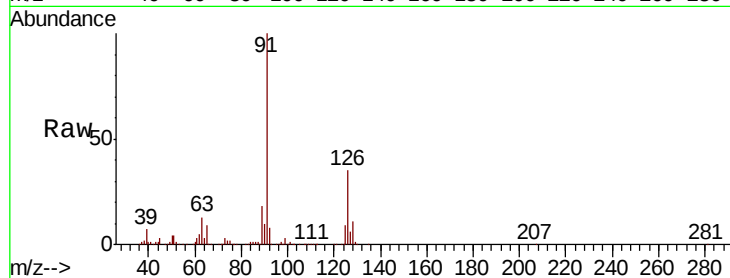
ClientSampleId :

Tot Ion: 91 Resp: 1990005

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 52.251 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052889.D

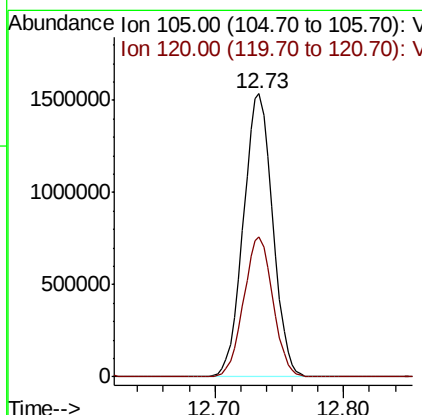
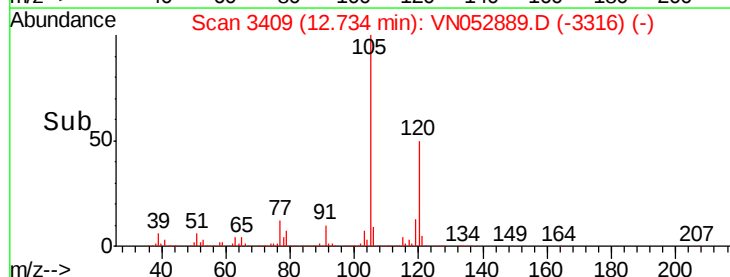
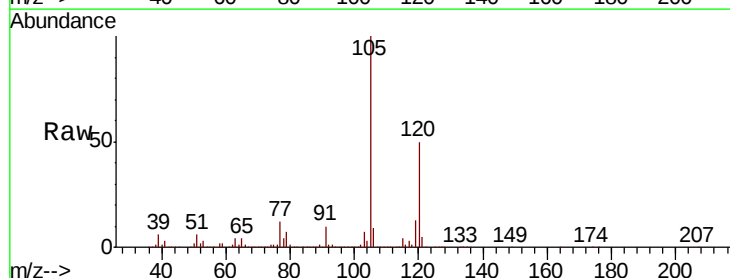
Acq: 14 Dec 2018 15:21

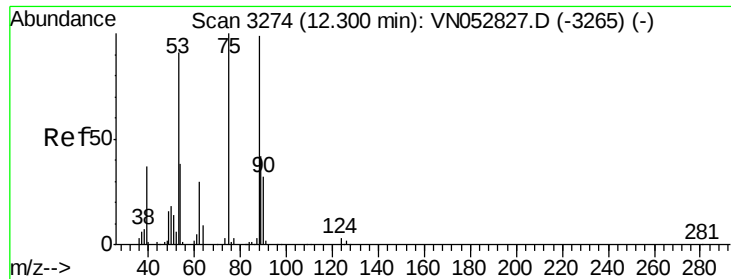
Tgt Ion:105 Resp: 2425081

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.807 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052889.D

Acq: 14 Dec 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

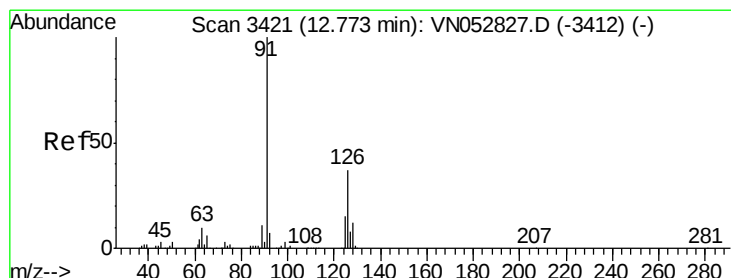
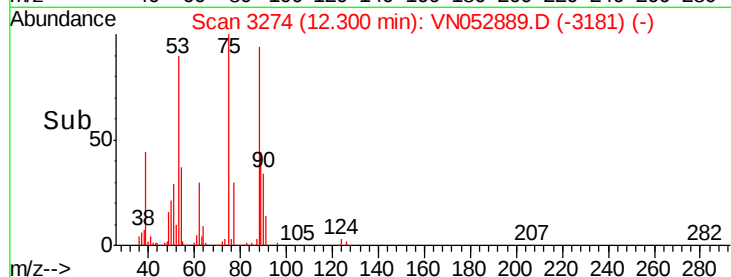
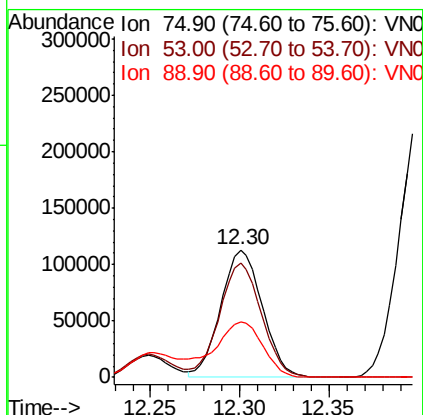
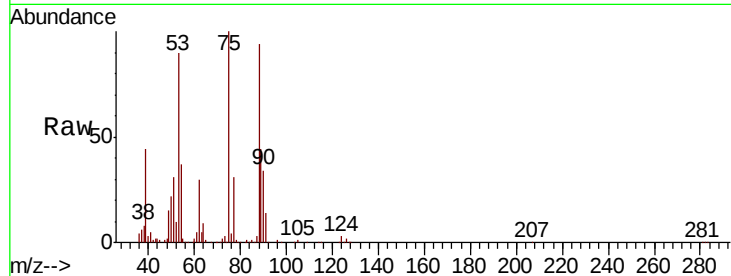
Tot Ion: 75 Resp: 183216

Ion Ratio Lower Upper

75 100

53 90.4 74.7 112.1

89 46.5 36.1 54.1



#82

4-Chlorotoluene

Concen: 52.006 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052889.D

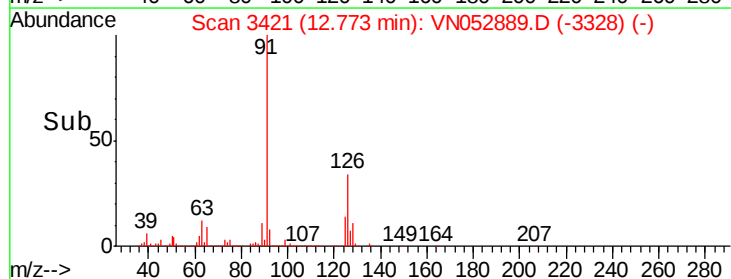
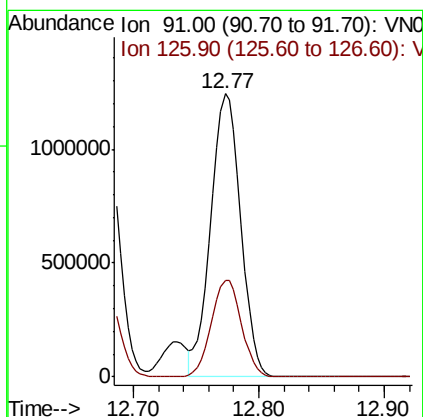
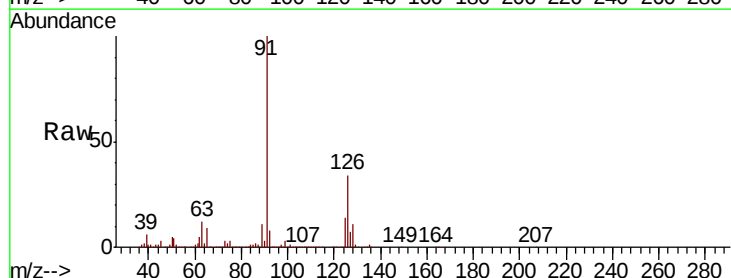
Acq: 14 Dec 2018 15:21

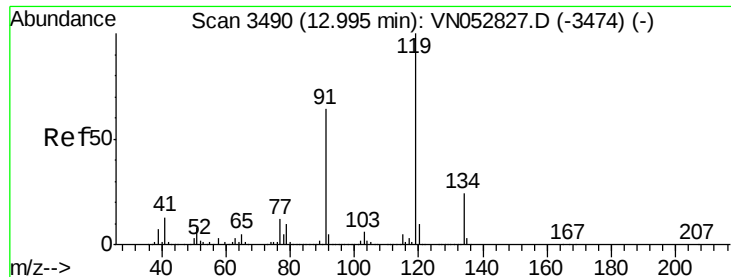
Tgt Ion: 91 Resp: 2061210

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7

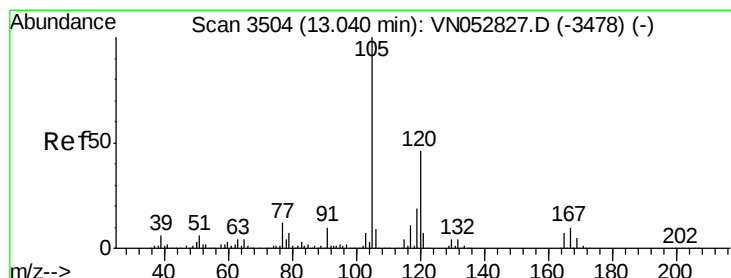
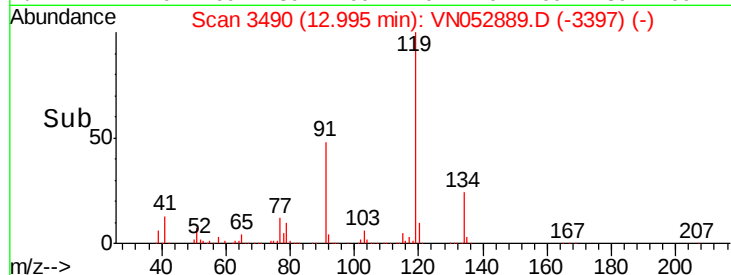
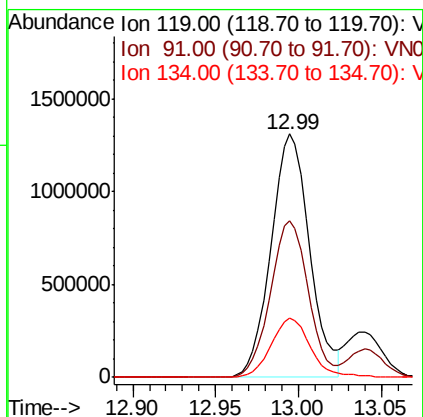
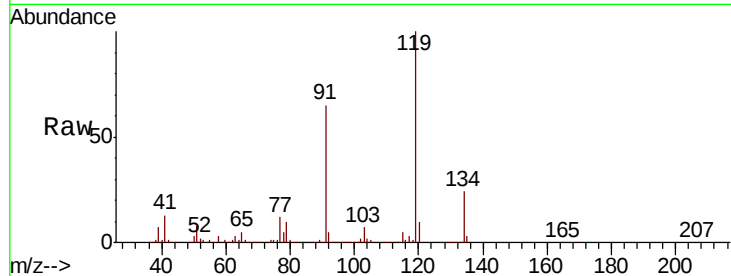




#83
tert-Butylbenzene
Concen: 51.991 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

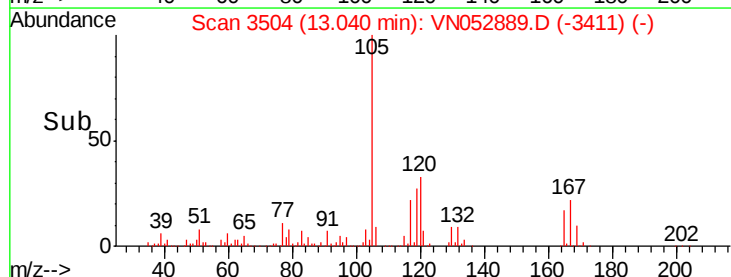
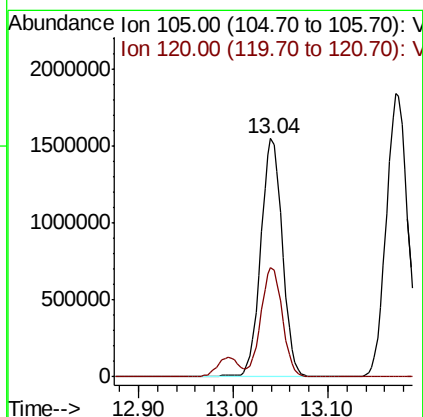
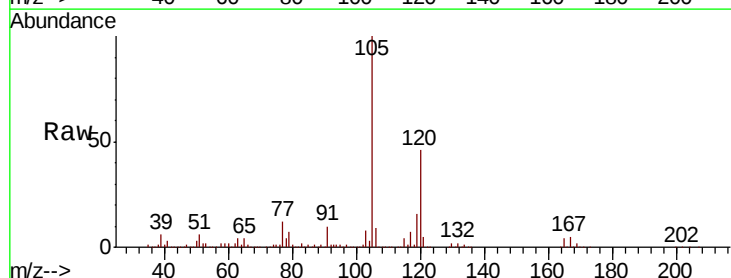
Instrument :
MSVOA_N
ClientSampled :

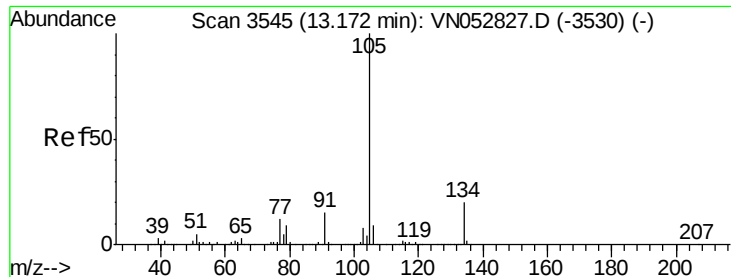
Tot Ion:119 Resp: 2128580
Ion Ratio Lower Upper
119 100
91 63.5 31.9 95.5
134 24.9 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 52.169 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion:105 Resp: 2451217
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.8

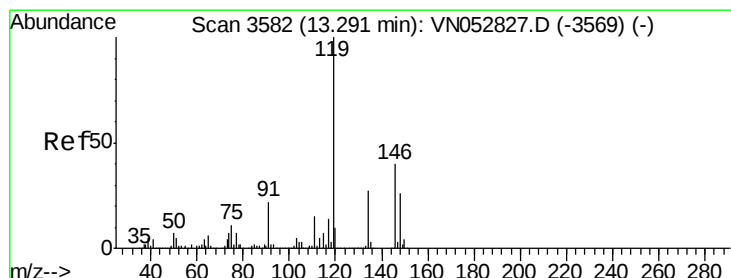
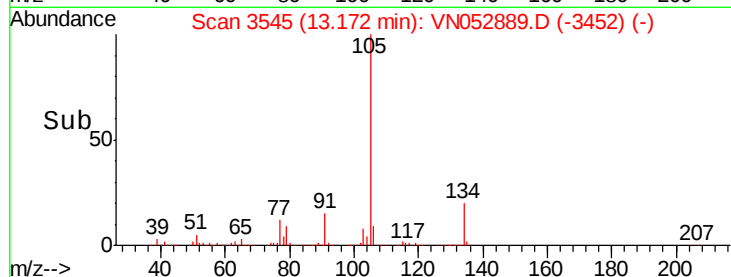
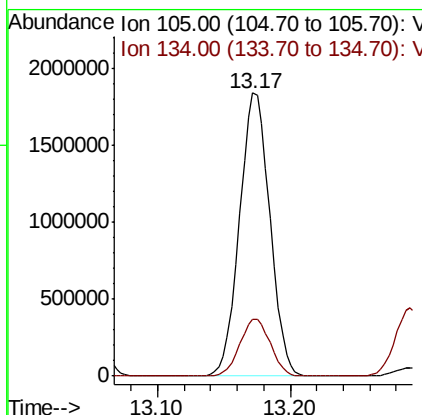
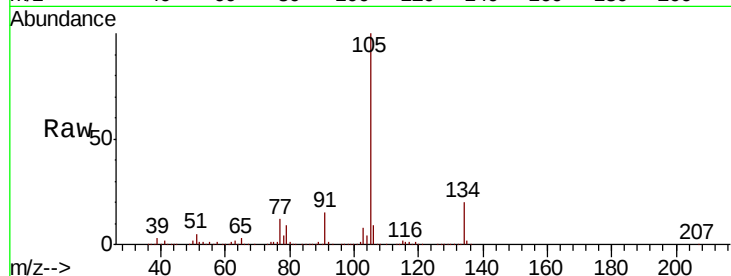




#85
 sec-Butylbenzene
 Concen: 52.758 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

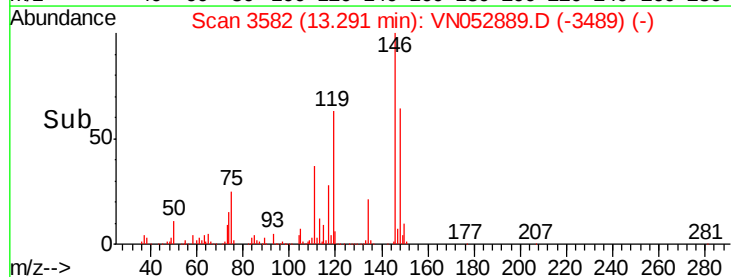
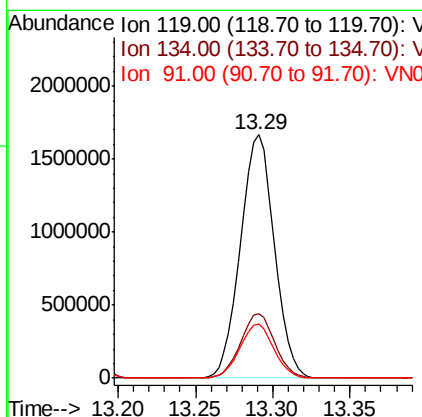
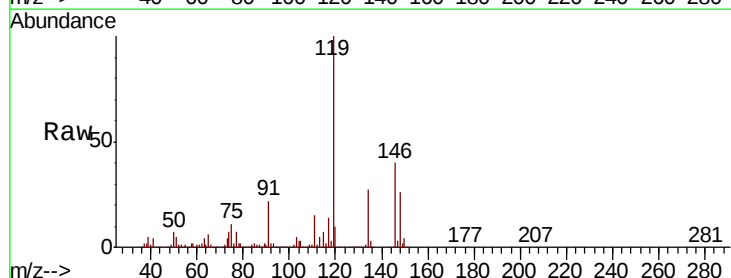
Instrument :
 MSVOA_N
 ClientSampleId :

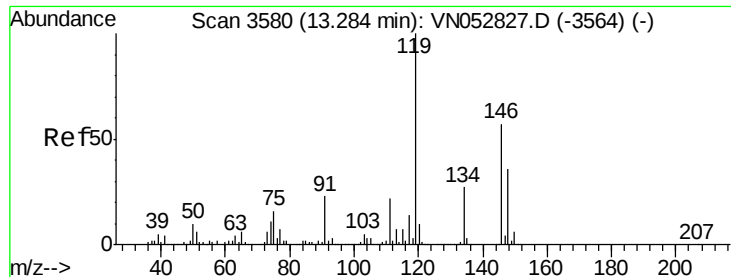
Tot Ion:105 Resp: 2925251
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 52.929 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion:119 Resp: 2542567
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.2 11.1 33.3

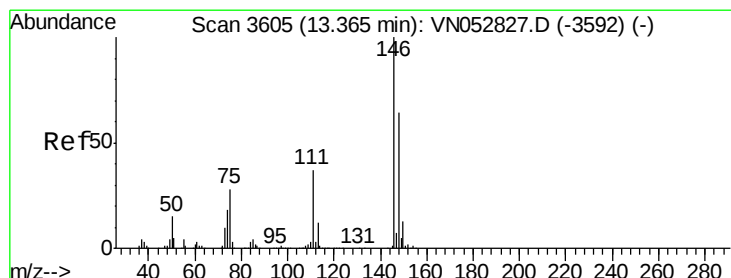
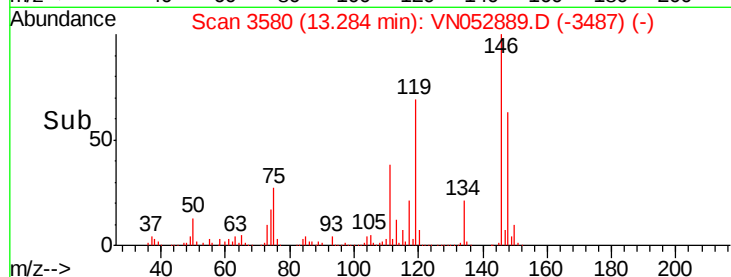
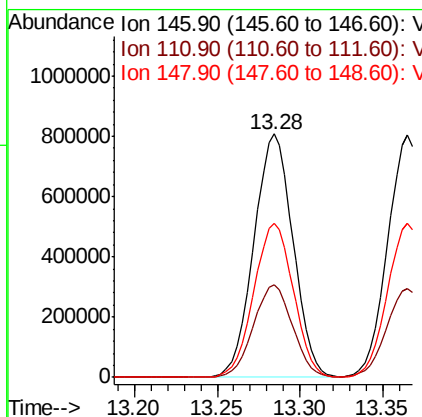
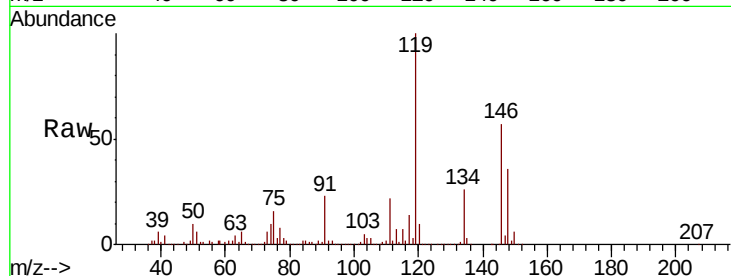




#87
 1,3-Dichlorobenzene
 Concen: 50.952 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

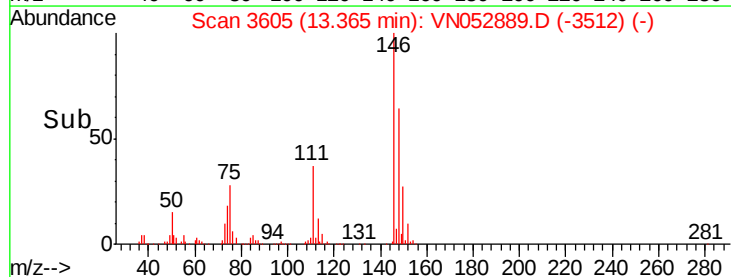
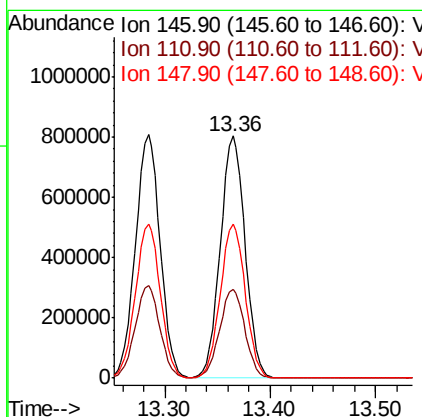
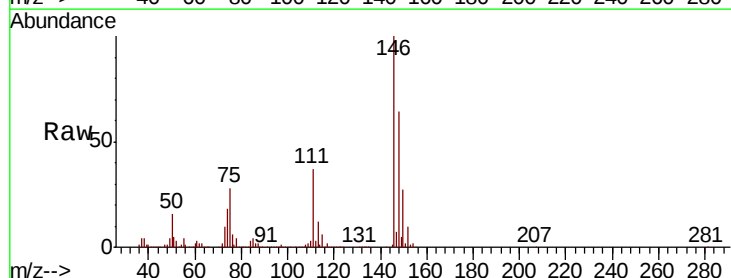
Instrument :
 MSVOA_N
 ClientSampleId :

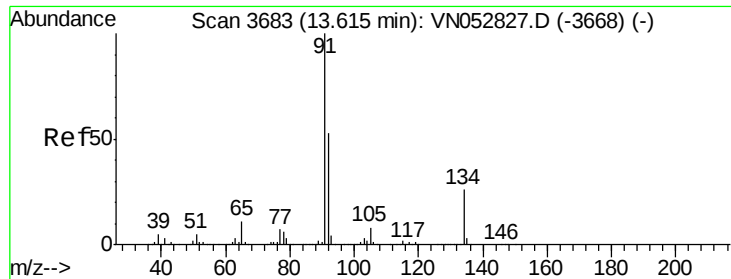
Tot Ion:146 Resp: 1324079
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 50.782 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion:146 Resp: 1306863
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 64.1 32.1 96.5

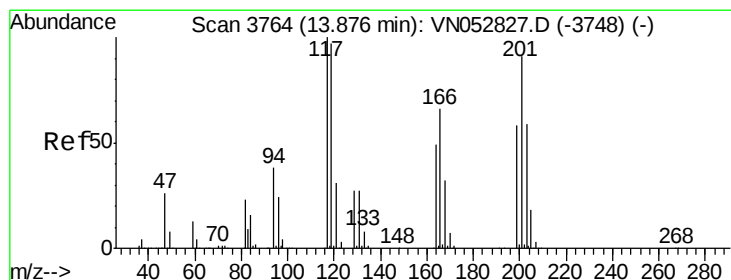
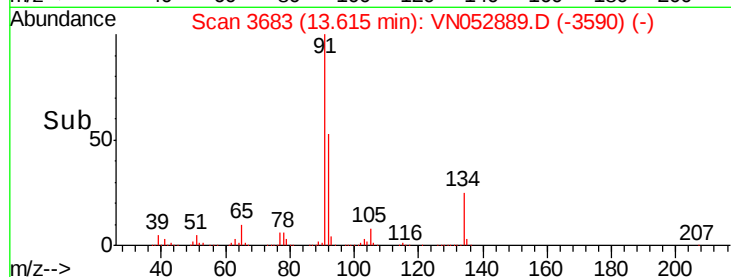
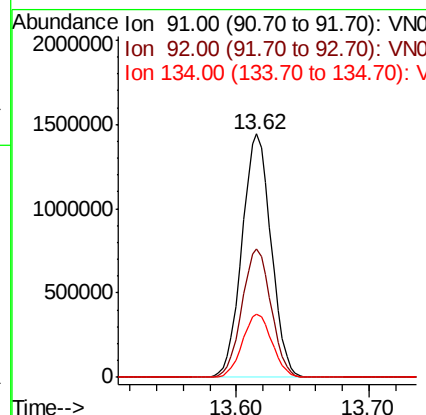
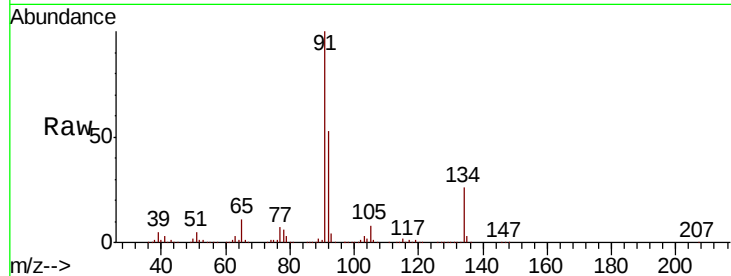




#89
n-Butylbenzene
Concen: 54.302 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

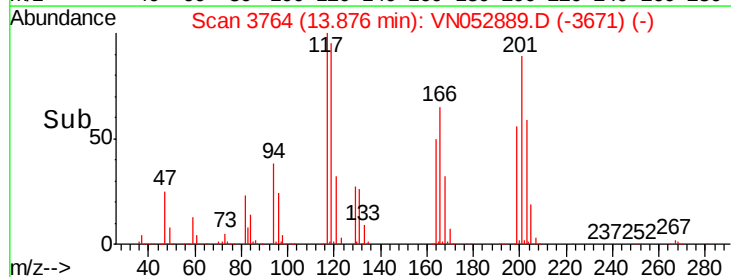
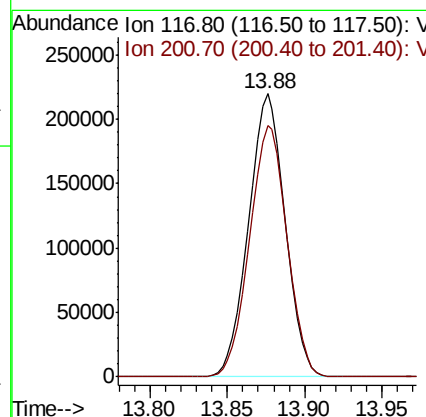
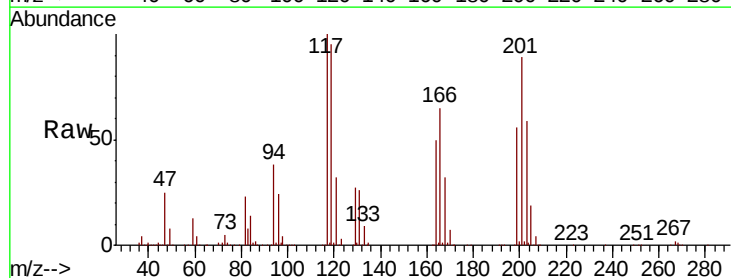
Instrument :
MSVOA_N
ClientSampleId :

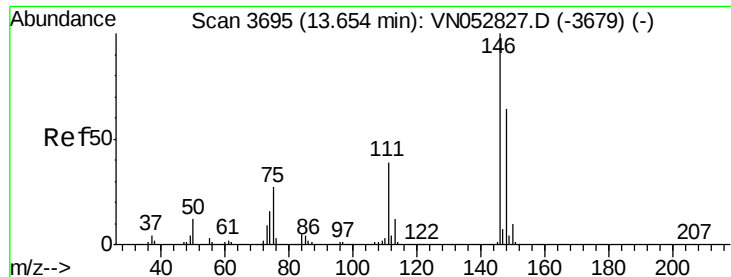
Tot Ion: 91 Resp: 2195948
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 26.4 13.3 39.8



#90
Hexachloroethane
Concen: 45.056 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion: 117 Resp: 362420
Ion Ratio Lower Upper
117 100
201 90.7 45.7 137.1

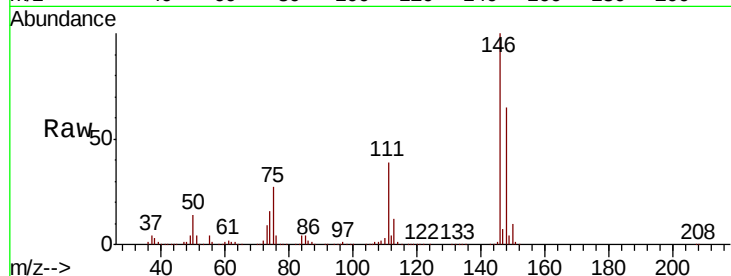




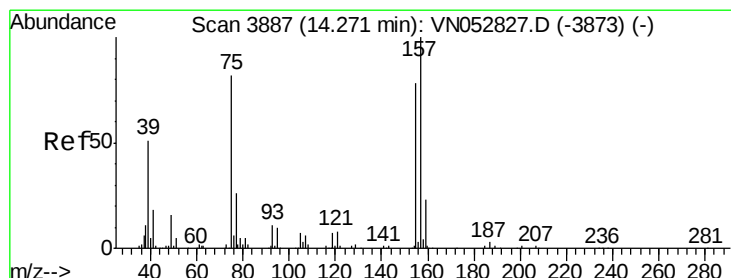
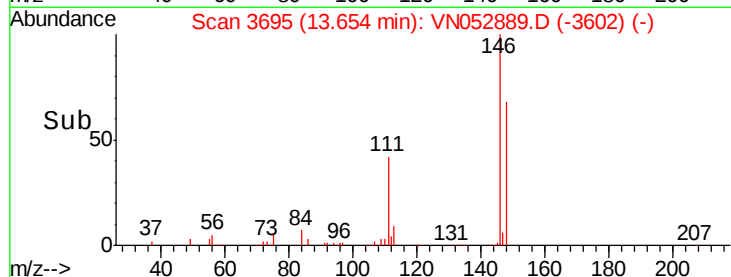
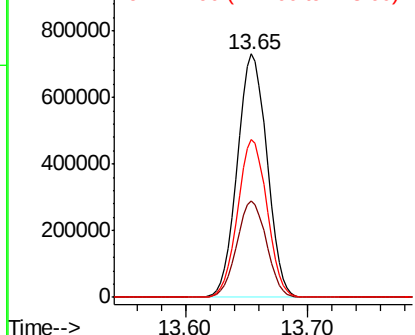
#91
 1,2-Dichlorobenzene
 Concen: 49.078 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1226831
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 64.3 32.0 96.0

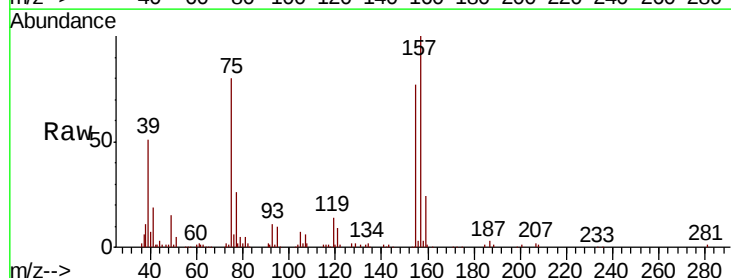


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

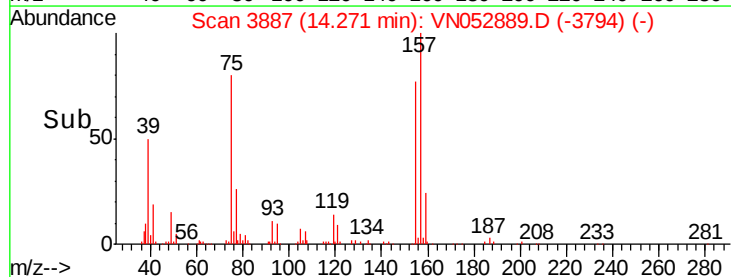
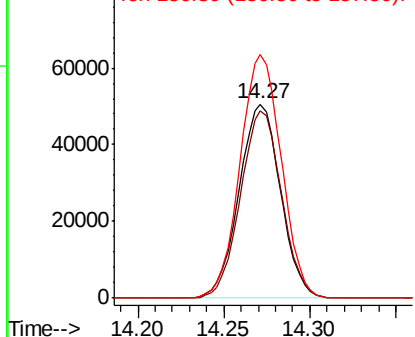


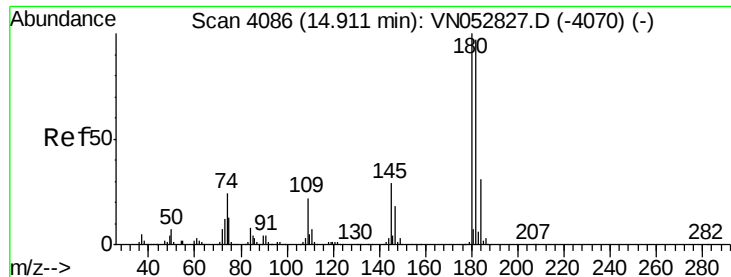
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.651 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion: 75 Resp: 84784
 Ion Ratio Lower Upper
 75 100
 155 95.3 48.2 144.6
 157 124.9 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

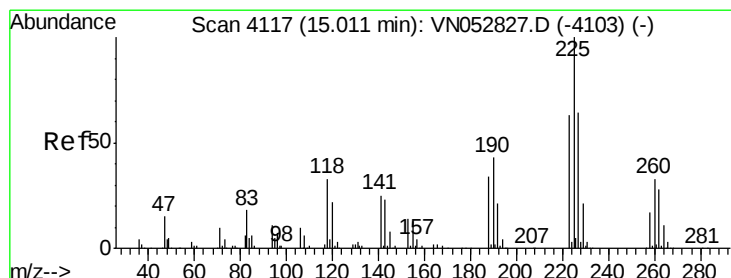
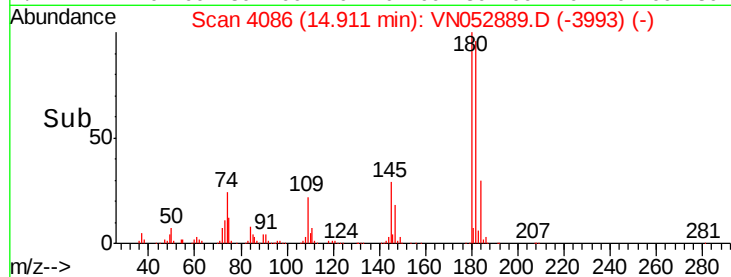
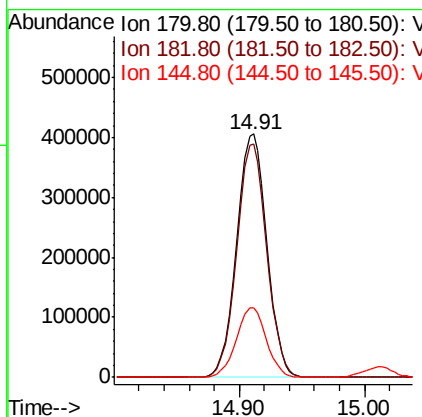
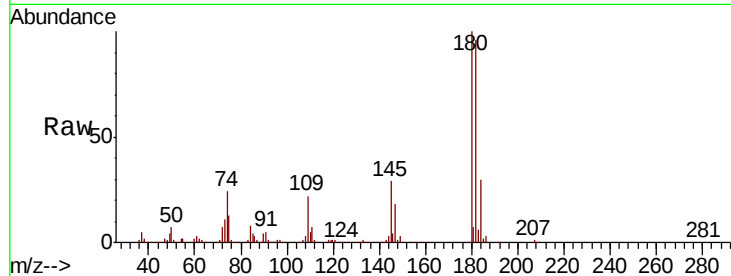




#93
 1,2,4-Trichlorobenzene
 Concen: 49.843 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

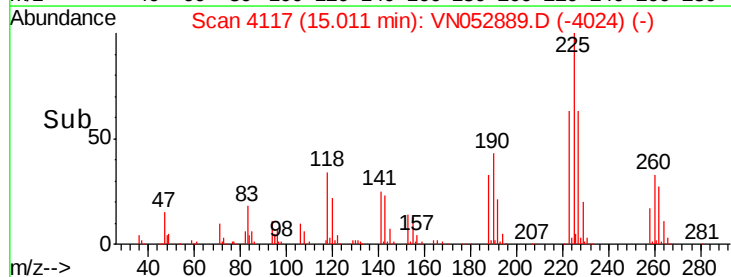
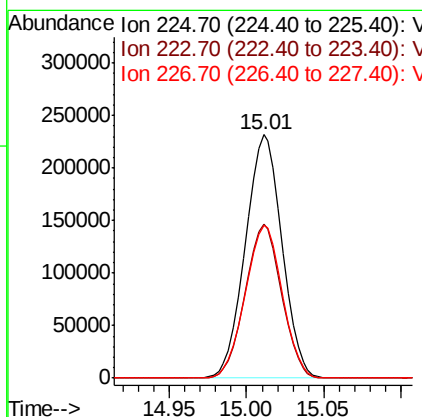
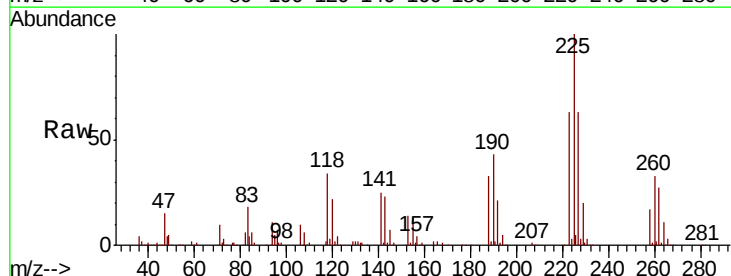
Instrument :
 MSVOA_N
 ClientSampled :

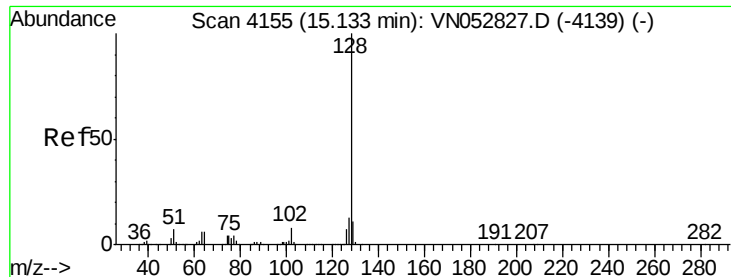
Tot Ion:180 Resp: 677276
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.8 143.3
 145 28.6 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 48.588 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052889.D
 Acq: 14 Dec 2018 15:21

Tgt Ion:225 Resp: 382147
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.5 94.5
 227 63.5 31.9 95.7

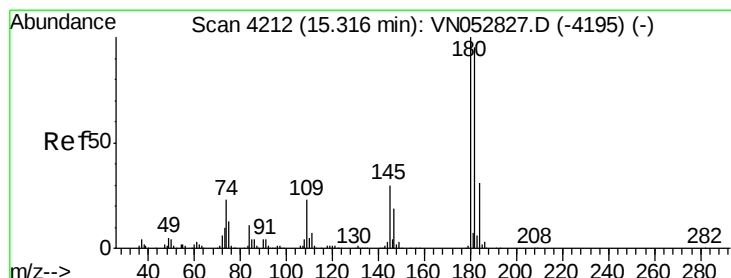
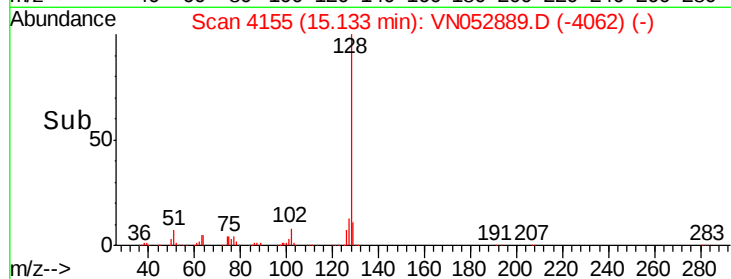
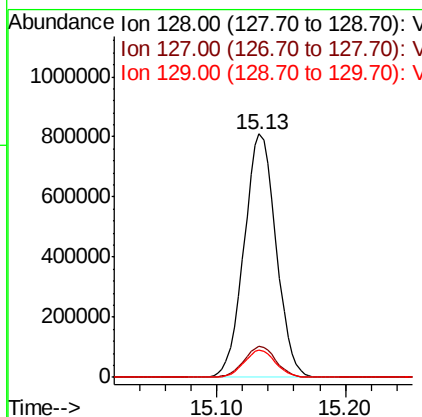
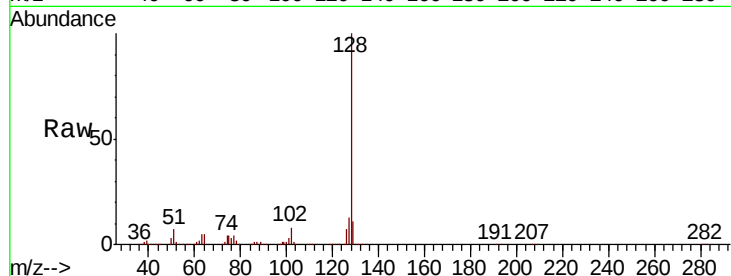




#95
Naphthalene
Concen: 49.516 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1393529
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.434 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052889.D
Acq: 14 Dec 2018 15:21

Tgt Ion:180 Resp: 591418
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 30.1 15.0 45.0

