

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091818\
 Data File : VN051293.D
 Acq On : 18 Sep 2018 13:22
 Operator : MD\SY
 Sample : VN0918WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 14:56:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	109384	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	573482	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	498842	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	196792	28.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.97%
60) 4-Bromofluorobenzene	12.40	95	211898	28.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.23%
63) Toluene-d8	10.09	98	711536	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	102622	15.107 ug/l	98
3) Chloromethane	2.06	50	137853	17.186 ug/l	99
4) Vinyl Chloride	2.19	62	136958	17.281 ug/l	99
5) Bromomethane	2.57	94	78899	16.332 ug/l	100
6) Chloroethane	2.70	64	83342	17.828 ug/l	98
7) Trichlorofluoromethane	3.01	101	191874	18.262 ug/l	100
8) Diethyl Ether	3.41	74	62348	16.831 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	116305	17.875 ug/l	97
10) 1,1-Dichloroethene	3.74	96	105433	17.838 ug/l	99
11) Methyl Iodide	3.95	142	94545	17.144 ug/l	98
12) Methyl Acetate	4.33	43	83542	12.224 ug/l	99
13) Acrolein	3.61	56	41141	271.849 ug/l	100
14) Acrylonitrile	5.00	53	170707	73.874 ug/l	97
15) Acetone	3.82	58	40743	68.903 ug/l	88
16) Carbon Disulfide	4.05	76	320196	18.017 ug/l	99
17) Allyl chloride	4.33	41	151187	16.257 ug/l	97
18) Methylene Chloride	4.55	84	123053	17.737 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	112312	17.835 ug/l	96
20) Diisopropyl ether	5.96	45	332803	17.240 ug/l	99
21) 1,1-Dichloroethane	5.85	63	207758	17.553 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	126814	17.827 ug/l	98
23) tert-Butyl Alcohol	4.79	59	33894	68.970 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	268886	16.633 ug/l	100
25) Chloroform	7.37	83	213672	18.087 ug/l	96
26) Cyclohexane	7.66	56	167672	17.099 ug/l	# 100
29) 1,1-Dichloropropene	7.80	75	155679	18.133 ug/l	99
30) 2-Butanone	6.84	43	180169	68.215 ug/l	98
31) 2,2-Dichloropropane	6.83	77	155749	18.643 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	182652	18.761 ug/l	98
33) Carbon Tetrachloride	7.78	117	164484	18.760 ug/l	96
34) Benzene	8.04	78	476674	17.947 ug/l	99
35) Methacrylonitrile	7.18	41	39549	13.667 ug/l	94
36) 1,2-Dichloroethane	8.13	62	145972	18.172 ug/l	99
37) Trichloroethene	8.84	130	130991	18.869 ug/l	97
38) Methylcyclohexane	9.08	83	164856	17.878 ug/l	97
39) 1,2-Dichloropropane	9.12	63	126986	18.306 ug/l	96
40) Dibromomethane	9.21	93	75953	18.177 ug/l	97

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 14:56:06 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	159230	18.077	ug/l	99
42) Vinyl Acetate	5.90	43	1030063	84.670	ug/l	98
43) Ethyl Acetate	6.93	43	81652	15.091	ug/l	97
44) Isopropyl Acetate	8.17	43	149993	15.710	ug/l #	75
45) 1,4-Dioxane	9.20	88	20842	293.868	ug/l	98
46) Methyl methacrylate	9.20	41	69771	14.591	ug/l	97
47) n-amyl Acetate	12.07	43	98914	12.886	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	144975	16.790	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	176422	17.787	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	110176	18.147	ug/l	99
51) Ethyl methacrylate	10.43	69	114389	15.399	ug/l	98
52) 1,3-Dichloropropane	10.71	76	175469	17.448	ug/l	98
53) Dibromochloromethane	10.90	129	124567	18.043	ug/l	97
54) 1,2-Dibromoethane	11.01	107	104337	17.379	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	246341	79.699	ug/l	98
56) Bromoform	12.13	173	83755	17.058	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	409466	71.741	ug/l	98
59) 2-Hexanone	10.75	43	247617	66.373	ug/l	100
61) Tetrachloroethene	10.63	164	123880	19.929	ug/l	98
62) Toluene	10.16	91	522509	18.775	ug/l	100
64) Chlorobenzene	11.43	112	318738	18.480	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	124733	19.154	ug/l	99
66) Ethyl Benzene	11.51	91	515512	17.883	ug/l	98
67) m/p-Xylenes	11.62	106	417955	37.683	ug/l	98
68) o-Xylene	11.95	106	194856	18.386	ug/l	99
69) Styrene	11.96	104	300816	17.853	ug/l	100
70) Isopropylbenzene	12.25	105	517959	18.393	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	126032	16.529	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	139988	21.281	ug/l	93
73) Bromobenzene	12.53	156	134406	18.140	ug/l	94
74) n-propylbenzene	12.59	91	554924	17.429	ug/l	98
75) 2-Chlorotoluene	12.67	91	344172	17.794	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	424528	18.447	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	26473	14.126	ug/l	97
78) 4-Chlorotoluene	12.77	91	326461	17.141	ug/l	99
79) tert-butylbenzene	12.99	119	360140	18.019	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	417081	18.178	ug/l	100
81) sec-Butylbenzene	13.17	105	467678	17.884	ug/l	99
82) p-Isopropyltoluene	13.29	119	399810	17.713	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	210605	16.812	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	194486	16.386	ug/l	99
85) n-Butylbenzene	13.62	91	260695	15.137	ug/l	100
86) Hexachloroethane	13.87	117	78863	18.203	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	210223	17.049	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16340	15.318	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	64871	11.818	ug/l	99
90) Hexachlorobutadiene	15.01	225	72212	19.363	ug/l	99
91) Naphthalene	15.13	128	112803	15.152	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	72341	13.133	ug/l	99

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Instrument :
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
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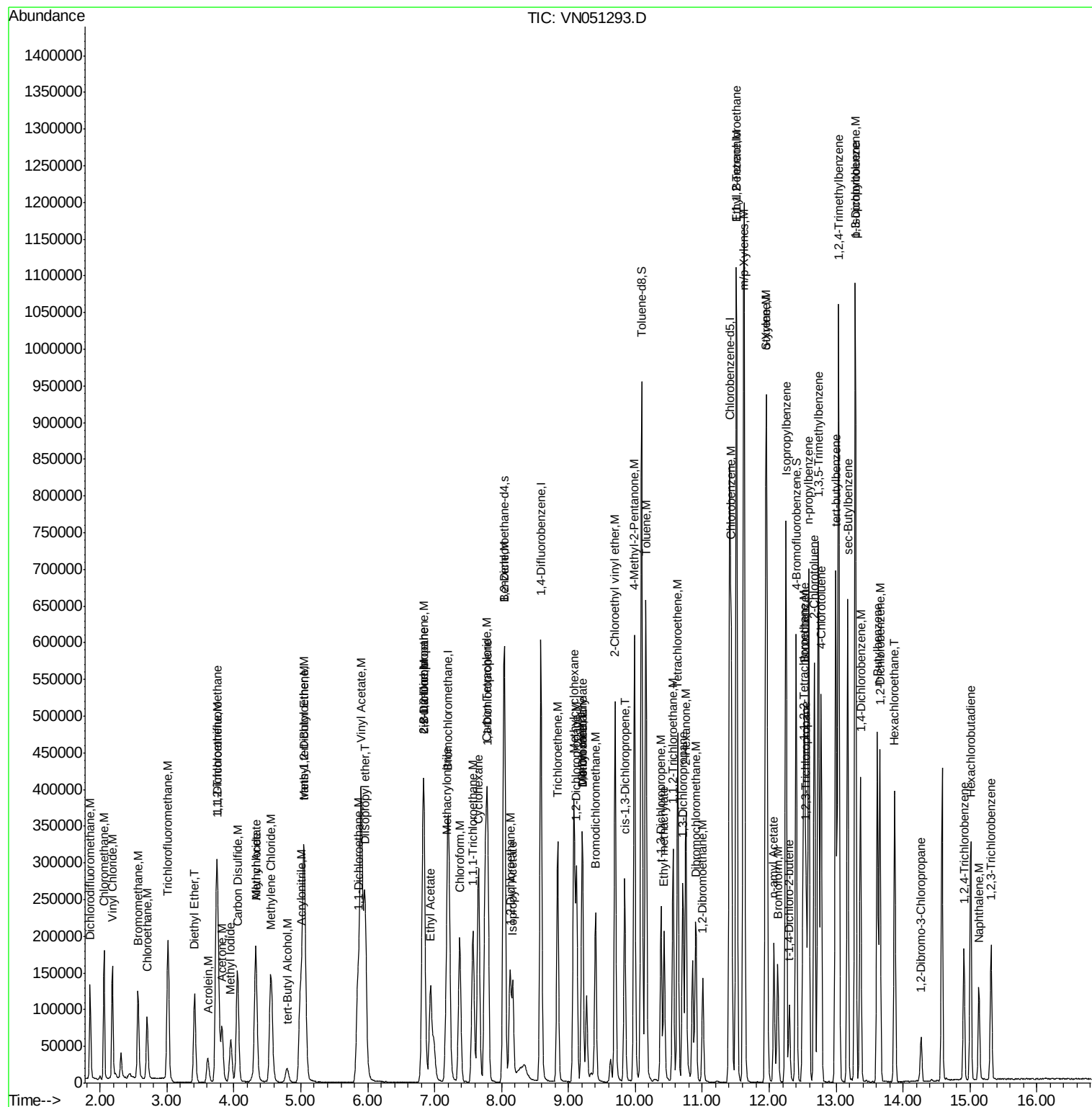
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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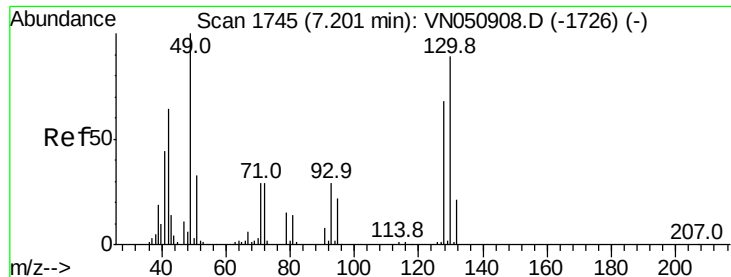
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 14:56:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

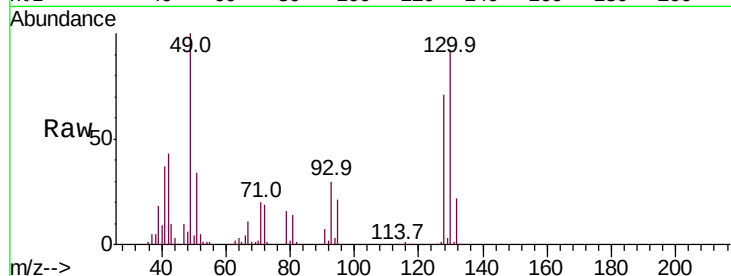
Tot Ion:128 Resp: 109384

Ion Ratio Lower Upper

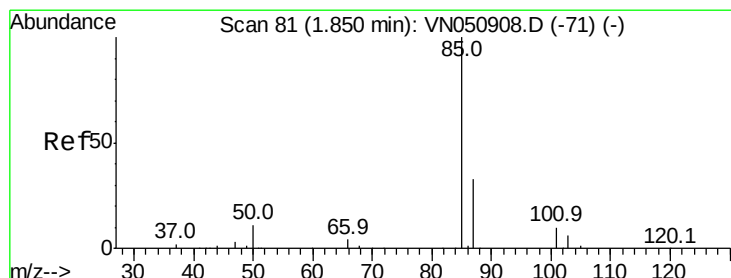
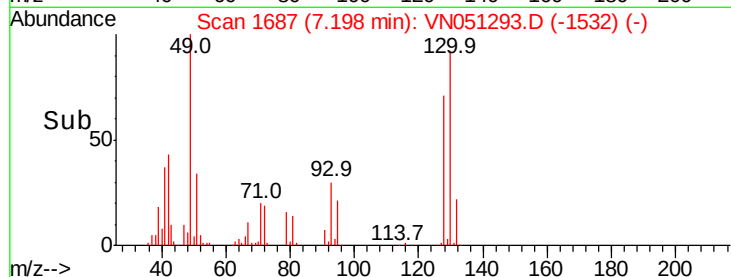
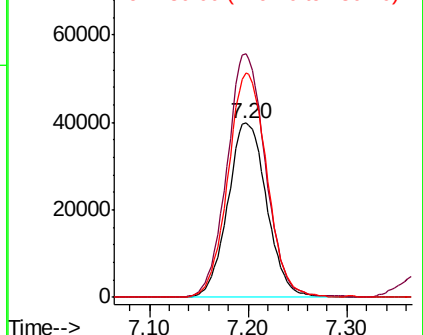
128 100

49 138.4 0.0 380.3

130 128.5 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.107 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051293.D

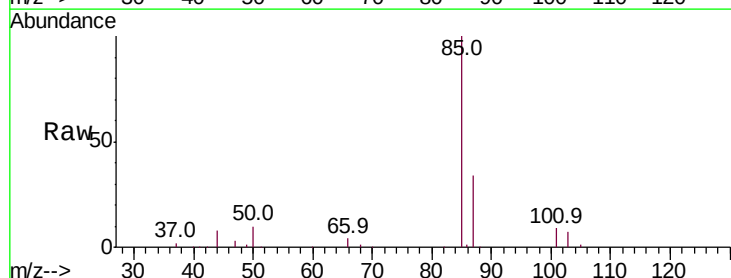
Acq: 18 Sep 2018 13:22

Tgt Ion: 85 Resp: 102622

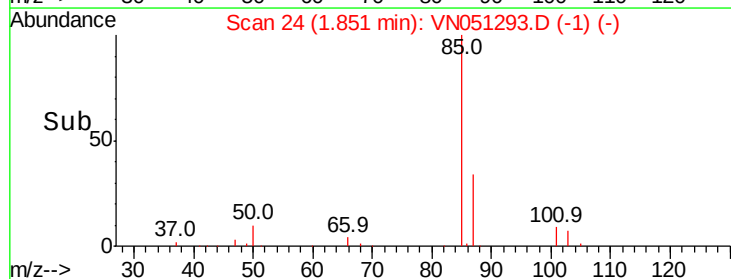
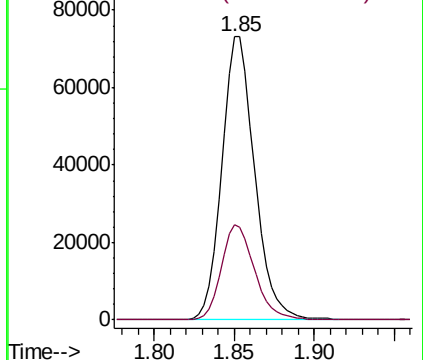
Ion Ratio Lower Upper

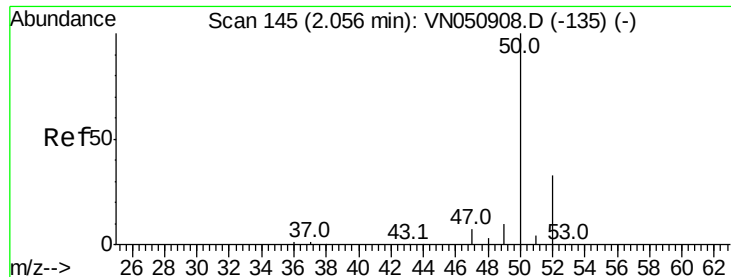
85 100

87 33.7 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 17.186 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

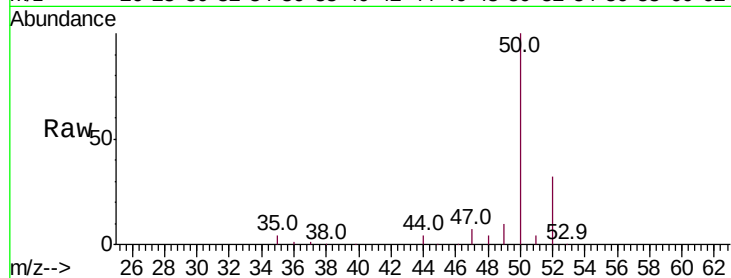
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 137853

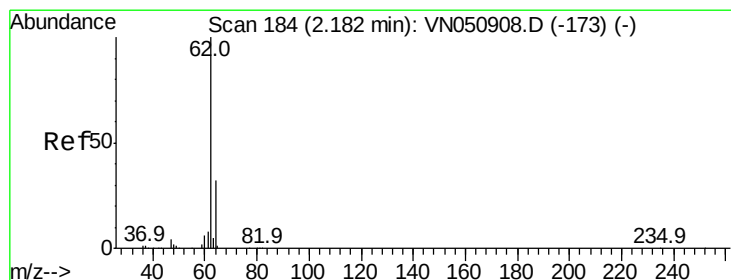
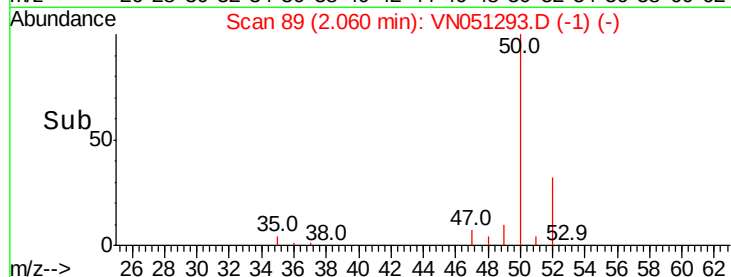
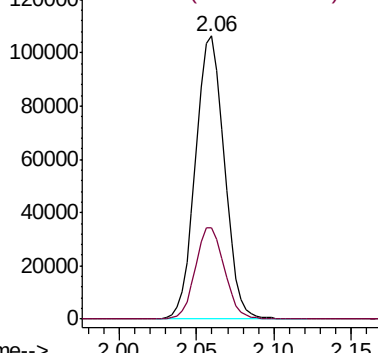
Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 17.281 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051293.D

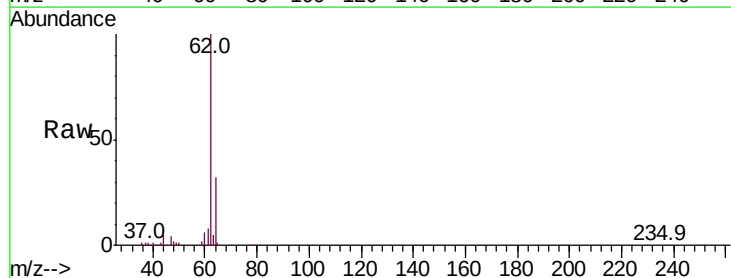
Acq: 18 Sep 2018 13:22

Tgt Ion: 62 Resp: 136958

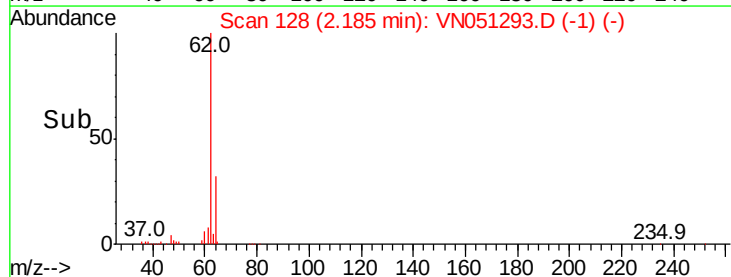
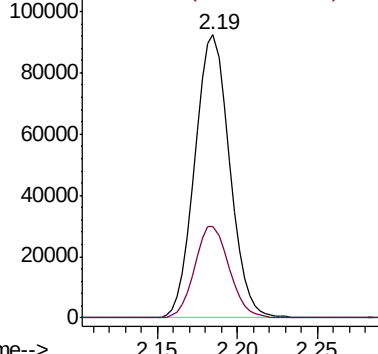
Ion Ratio Lower Upper

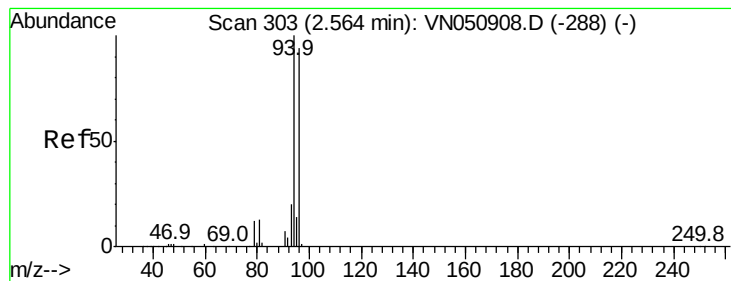
62 100

64 32.4 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 16.332 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

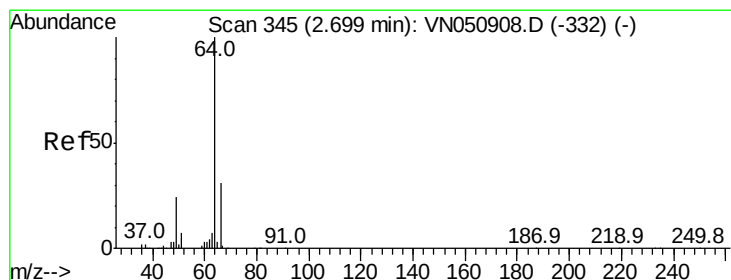
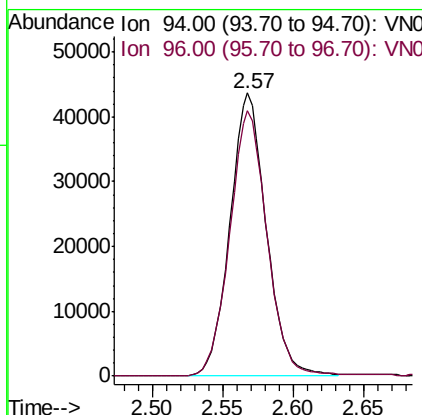
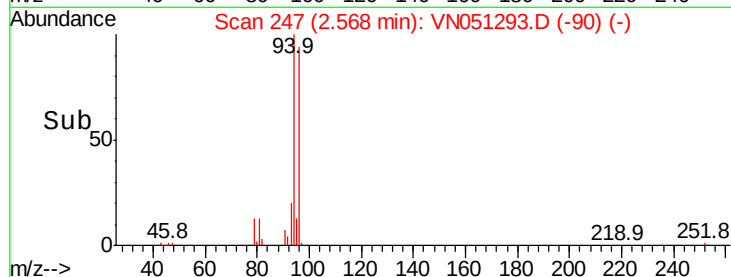
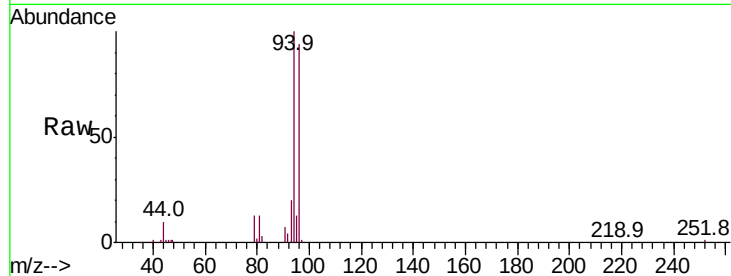
ClientSampleId :

Tot Ion: 94 Resp: 78899

Ion Ratio Lower Upper

94 100

96 93.9 74.9 112.3



#6

Chloroethane

Concen: 17.828 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051293.D

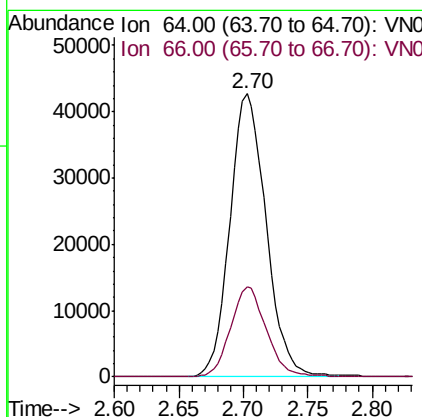
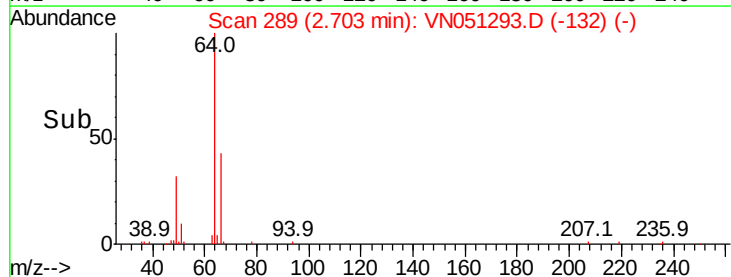
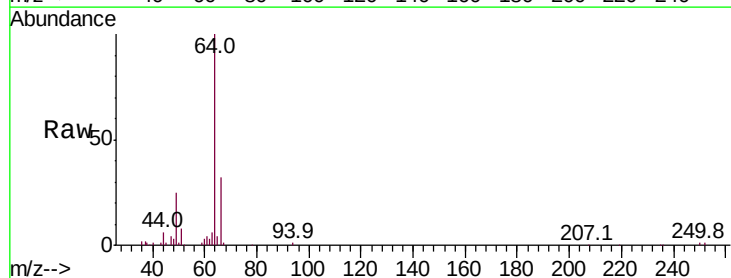
Acq: 18 Sep 2018 13:22

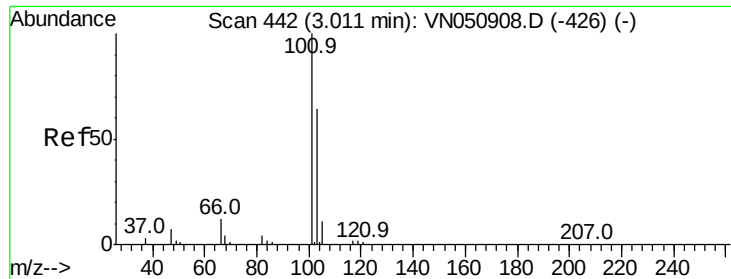
Tgt Ion: 64 Resp: 83342

Ion Ratio Lower Upper

64 100

66 31.9 24.5 36.7



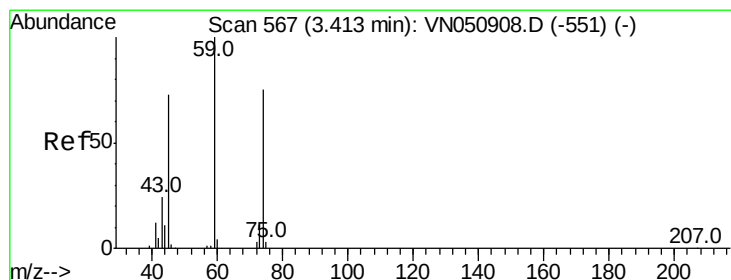
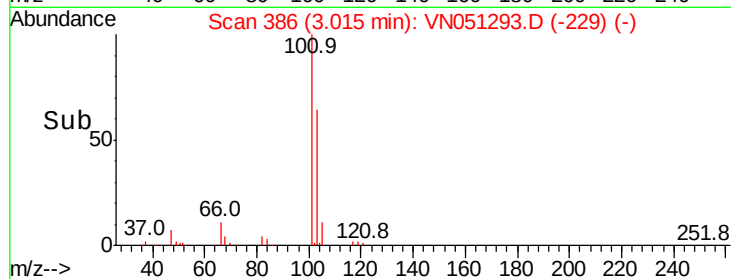
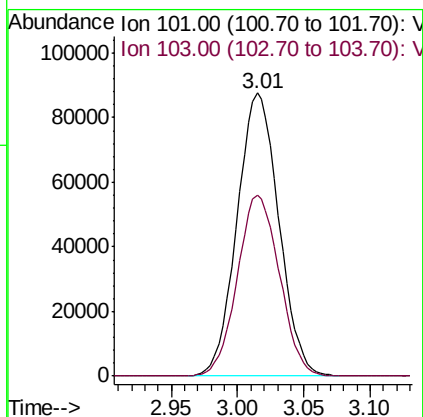
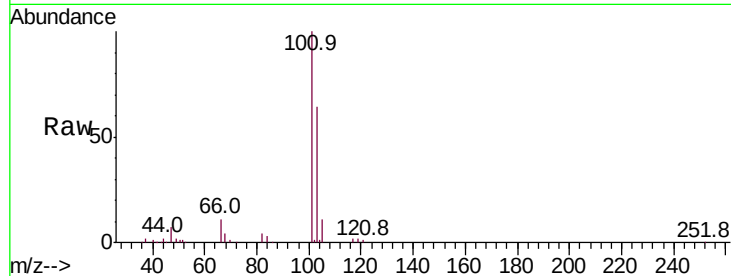


#7

Trichlorofluoromethane
Concen: 18.262 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

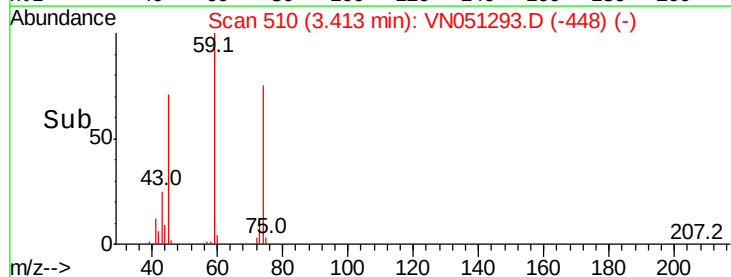
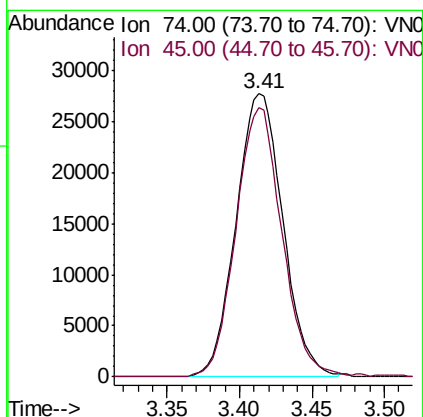
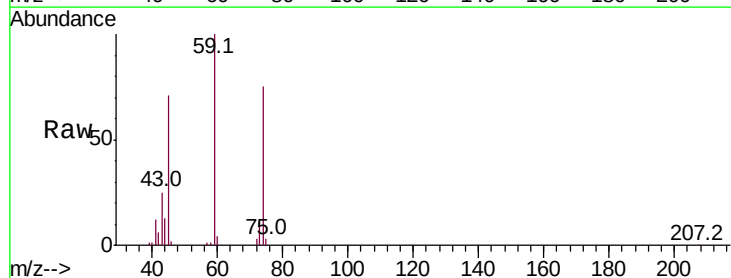
Tot Ion:101 Resp: 191874
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9

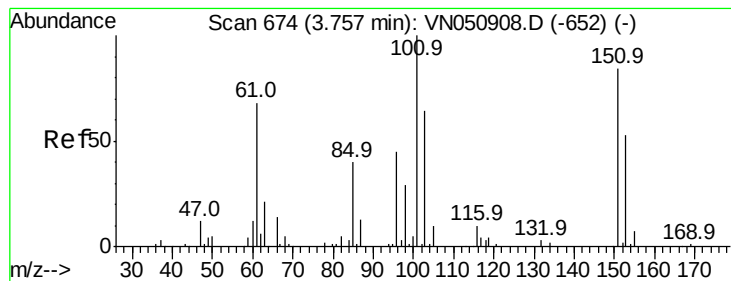


#8

Diethyl Ether
Concen: 16.831 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 74 Resp: 62348
Ion Ratio Lower Upper
74 100
45 93.3 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.875 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

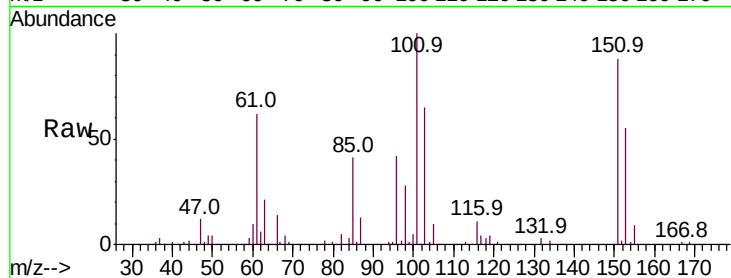
Tot Ion:101 Resp: 116305

Ion Ratio Lower Upper

101 100

85 41.9 0.0 83.6

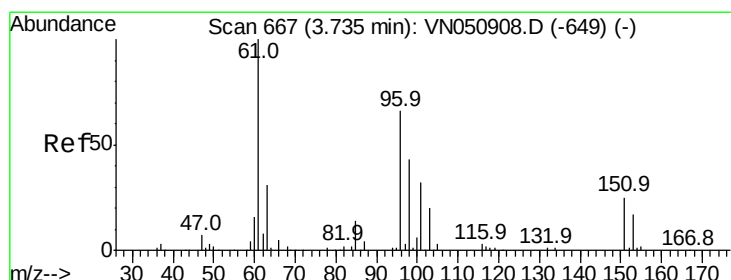
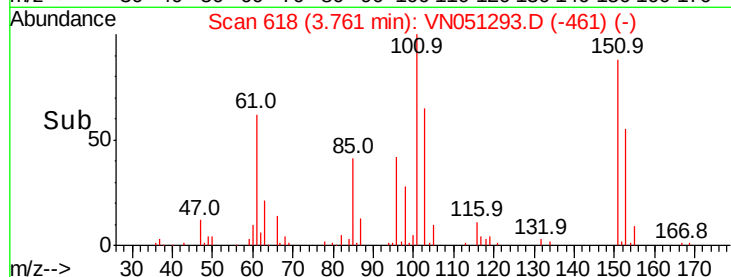
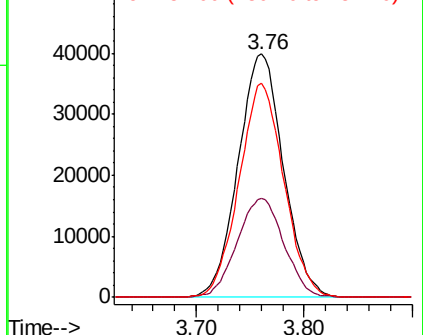
151 86.9 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.838 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

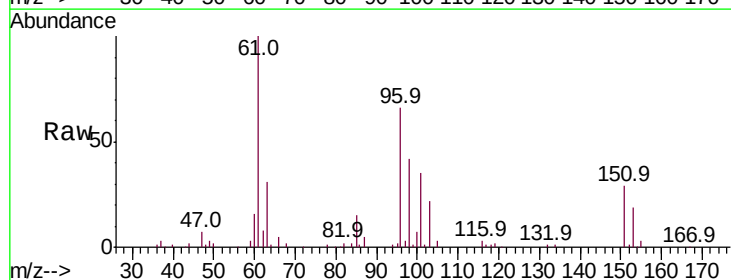
Tgt Ion: 96 Resp: 105433

Ion Ratio Lower Upper

96 100

61 151.0 121.8 182.8

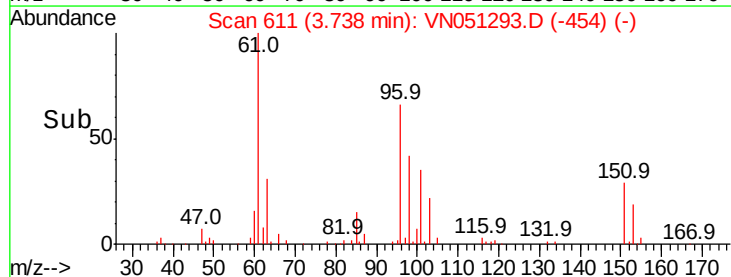
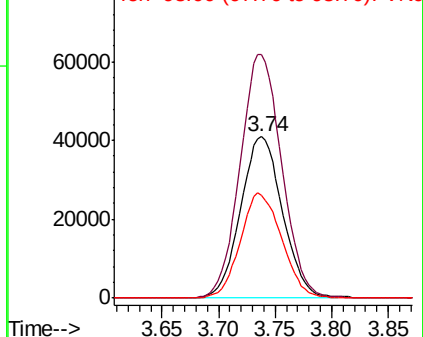
98 63.8 52.3 78.5

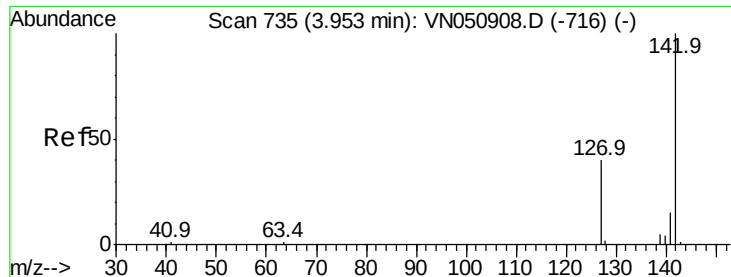


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

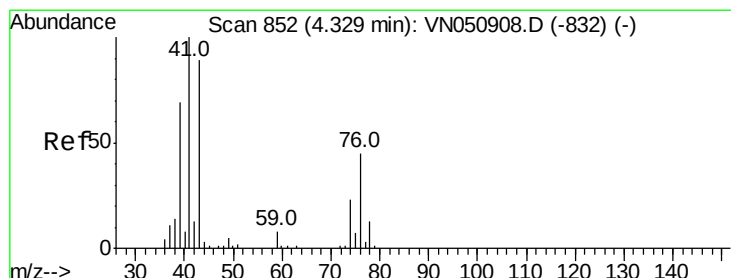
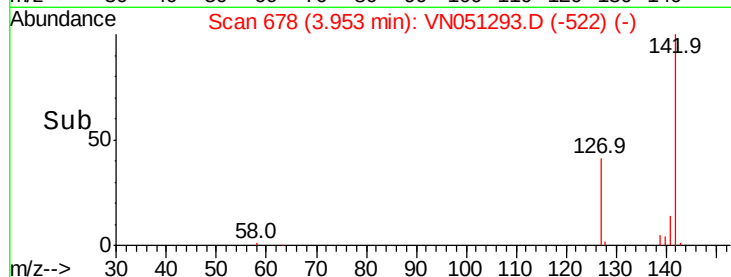
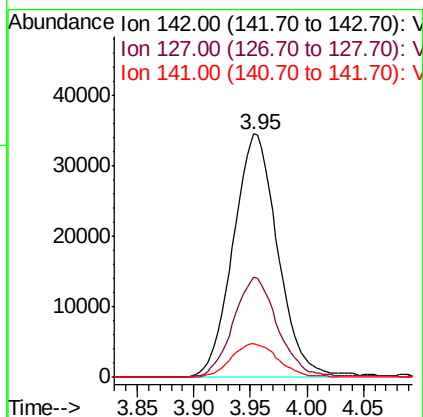
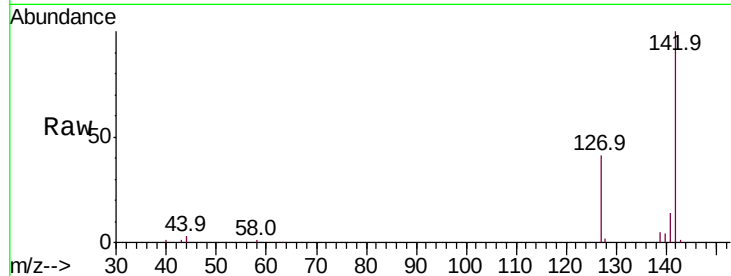




#11
Methvl Iodide
Concen: 17.144 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

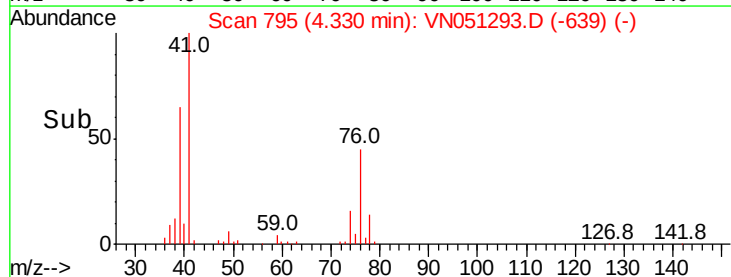
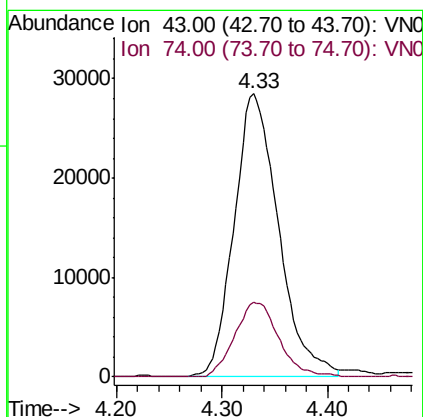
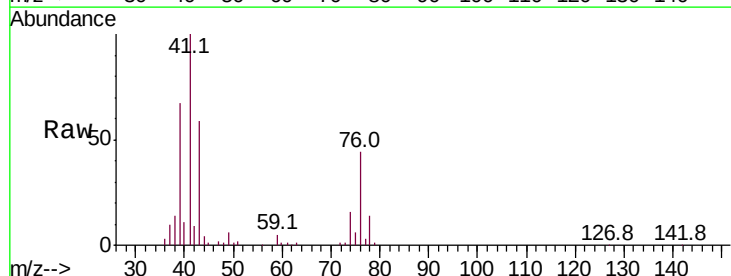
Instrument :
MSVOA_N
ClientSampleId :

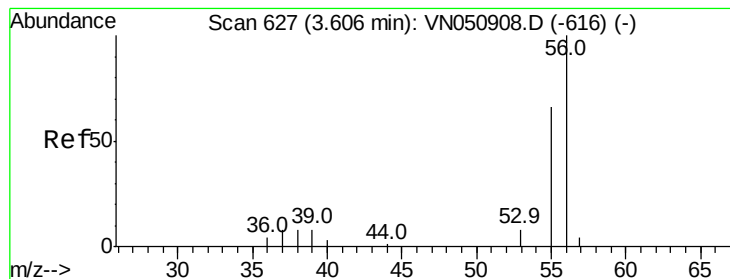
Tot Ion:142 Resp: 94545
Ion Ratio Lower Upper
142 100
127 40.9 19.7 59.1
141 14.1 7.3 22.0



#12
Methyl Acetate
Concen: 12.224 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 43 Resp: 83542
Ion Ratio Lower Upper
43 100
74 26.4 20.6 31.0





#13

Acrolein

Concen: 271.849 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

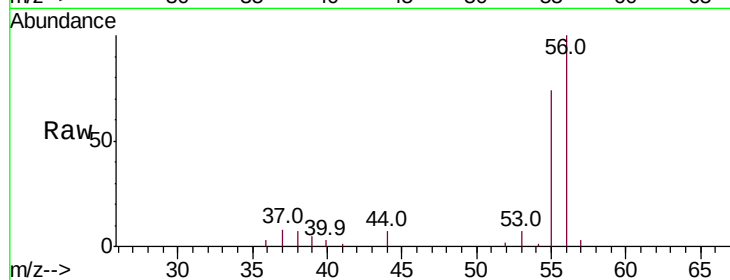
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 41141

Ion Ratio Lower Upper

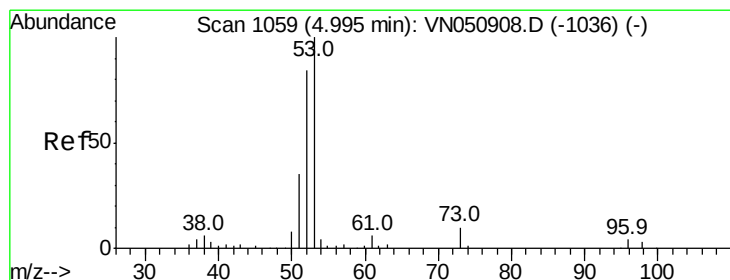
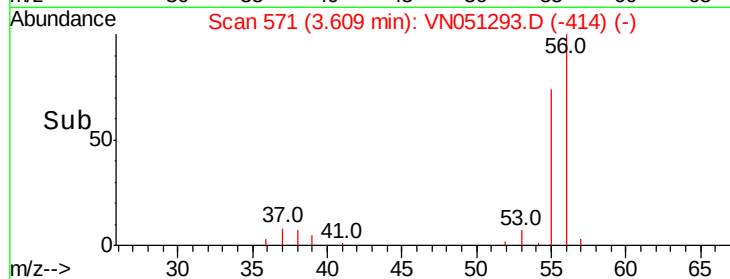
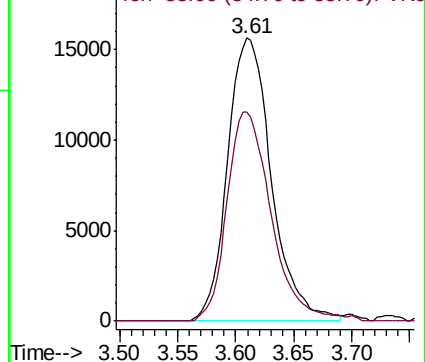
56 100

55 74.3 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 73.874 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

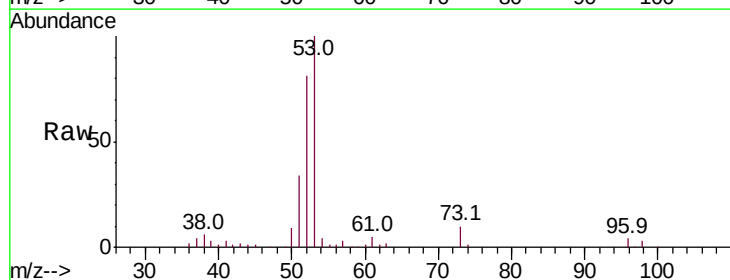
Tgt Ion: 53 Resp: 170707

Ion Ratio Lower Upper

53 100

52 81.3 42.2 126.6

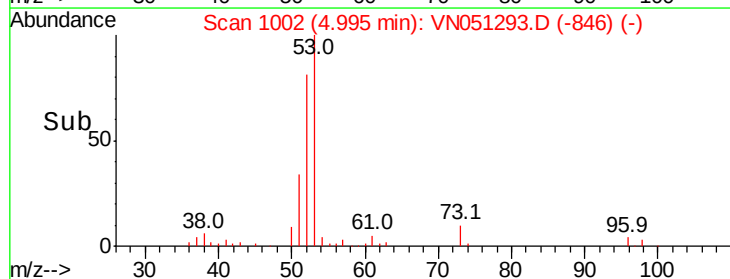
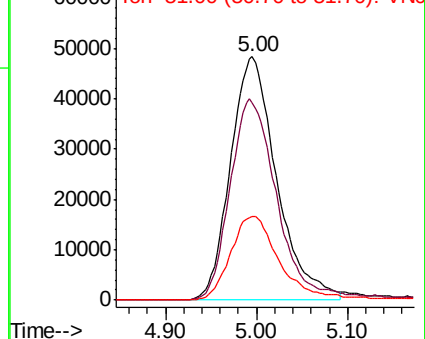
51 35.6 17.7 53.1

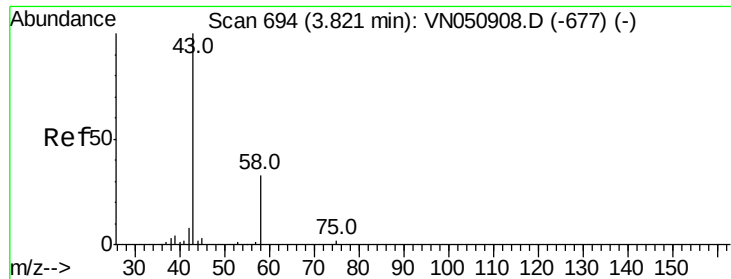


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 68.903 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

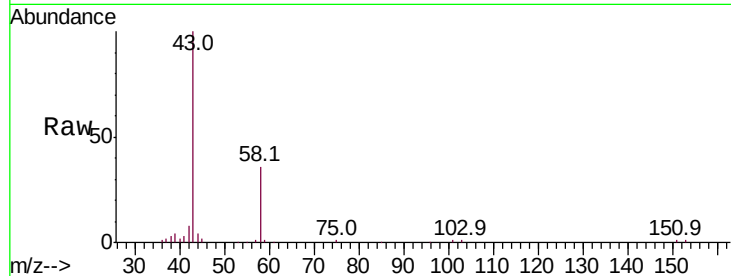
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 58 Resp: 40743

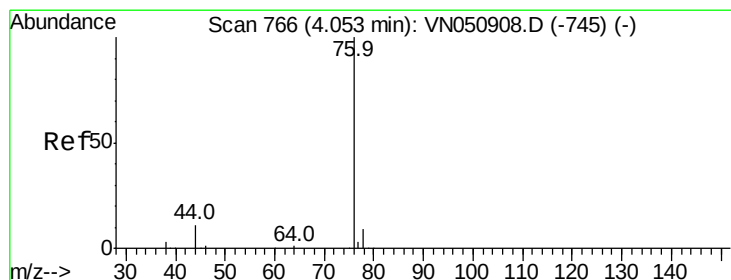
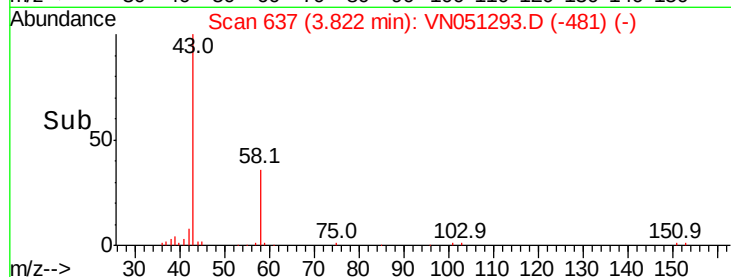
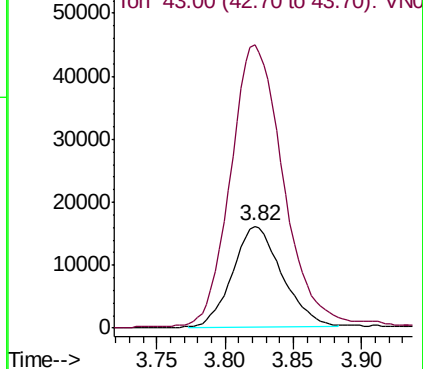
Ion Ratio Lower Upper

58 100

43 276.2 239.4 359.0



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



#16

Carbon Disulfide

Concen: 18.017 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051293.D

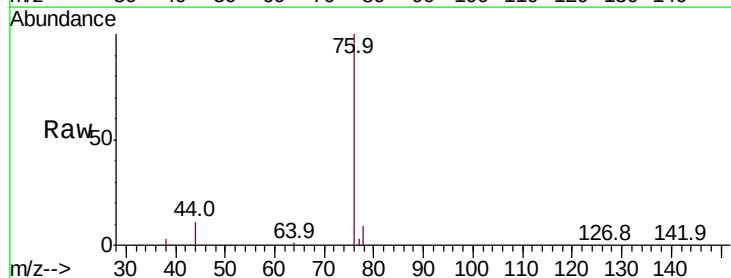
Acq: 18 Sep 2018 13:22

Tgt Ion: 76 Resp: 320196

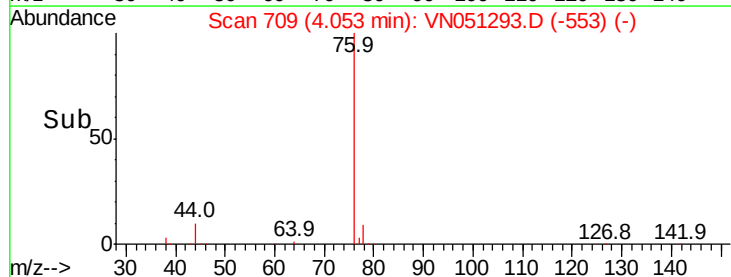
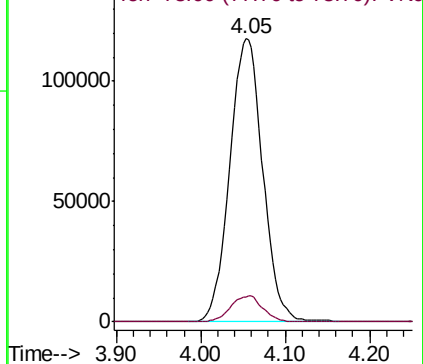
Ion Ratio Lower Upper

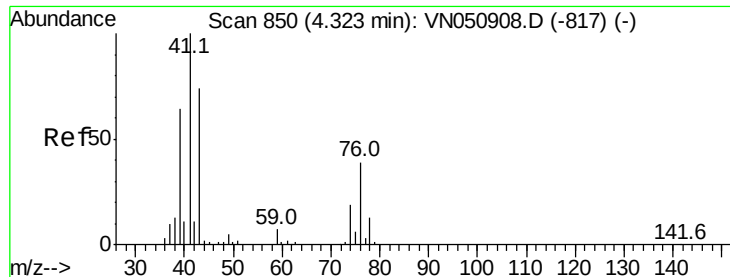
76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VNC
Ion 78.00 (77.70 to 78.70): VNC

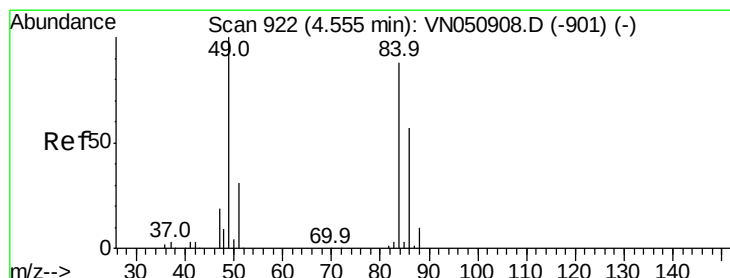
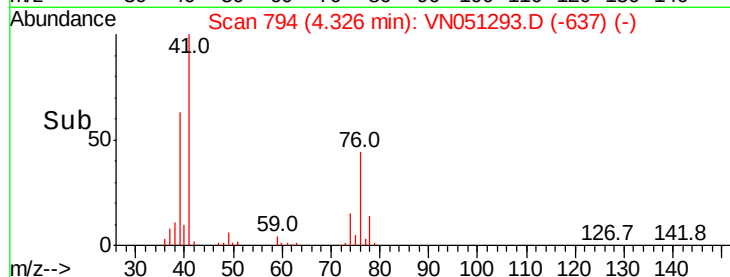
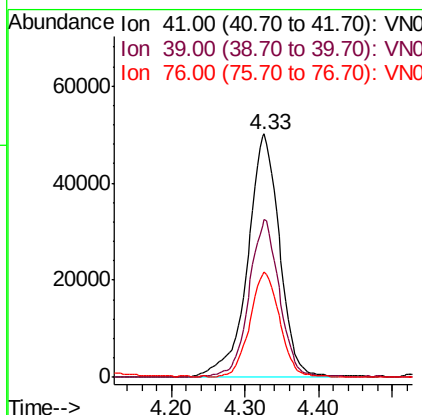
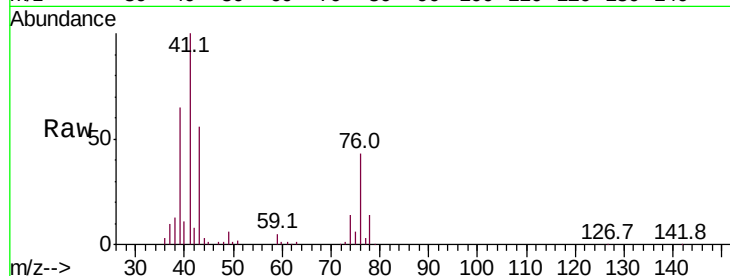




#17
Allvl chloride
Concen: 16.257 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

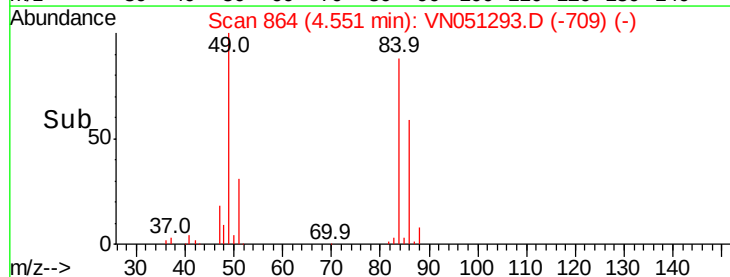
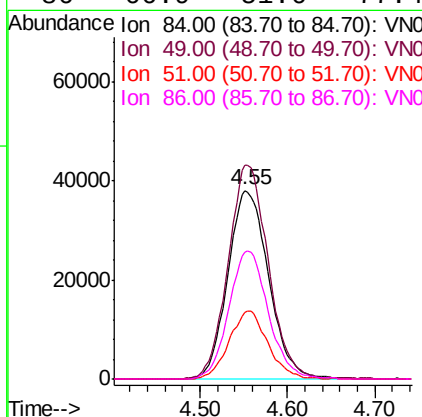
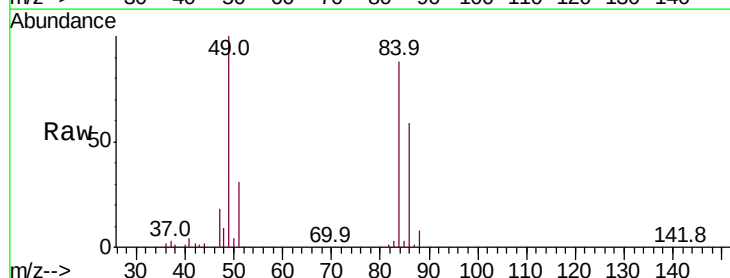
Instrument :
MSVOA_N
ClientSampleId :

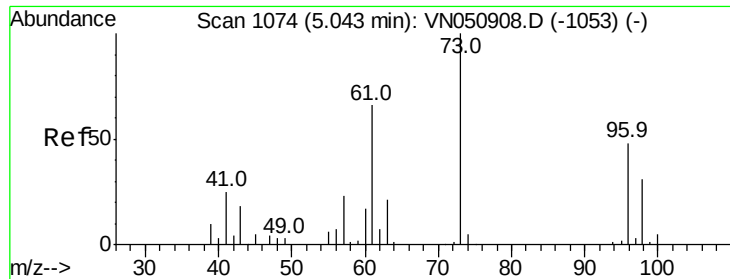
Tot Ion: 41 Resp: 151187
Ion Ratio Lower Upper
41 100
39 65.1 32.2 96.6
76 42.8 19.6 58.7



#18
Methylene Chloride
Concen: 17.737 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 84 Resp: 123053
Ion Ratio Lower Upper
84 100
49 112.5 90.6 135.8
51 35.4 28.4 42.6
86 66.9 51.6 77.4

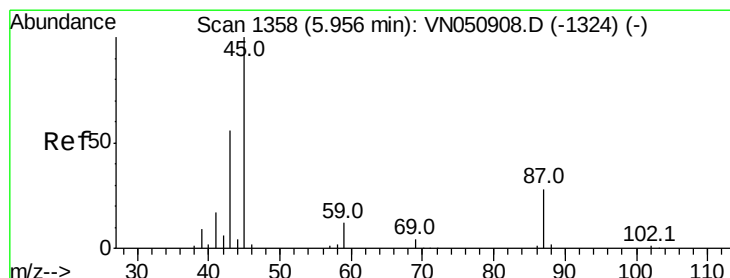
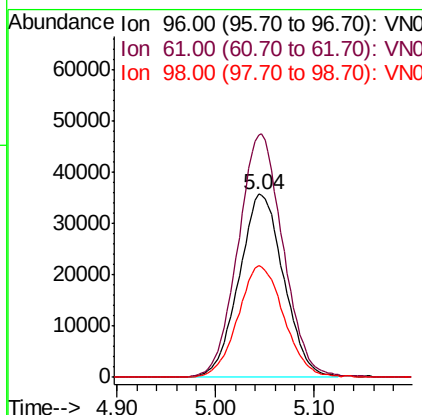
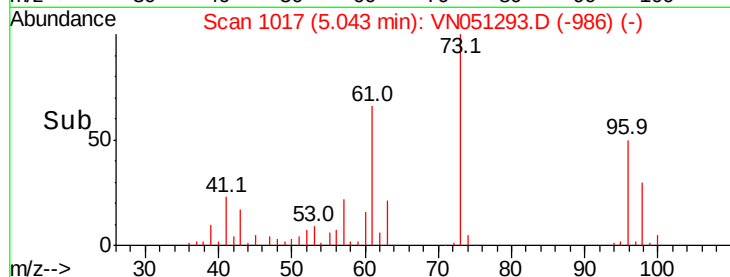
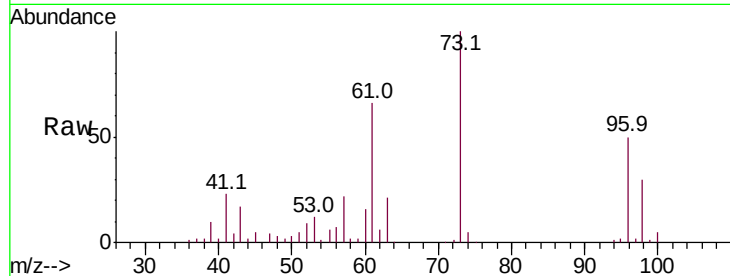




#19
trans-1,2-Dichloroethene
Concen: 17.835 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

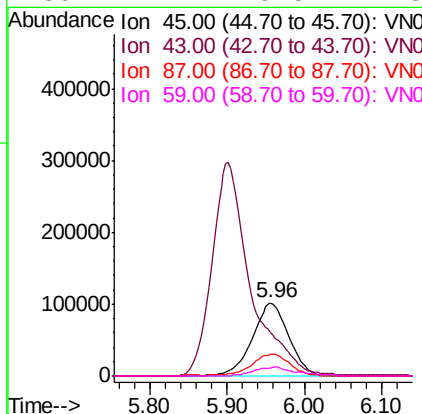
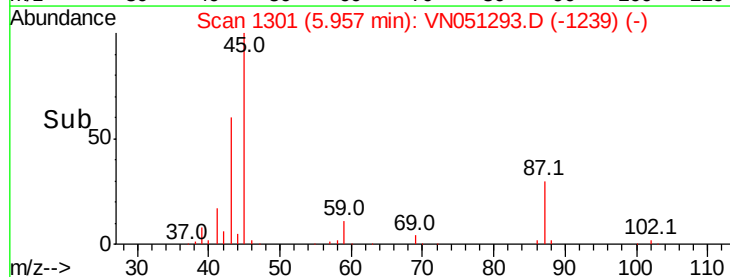
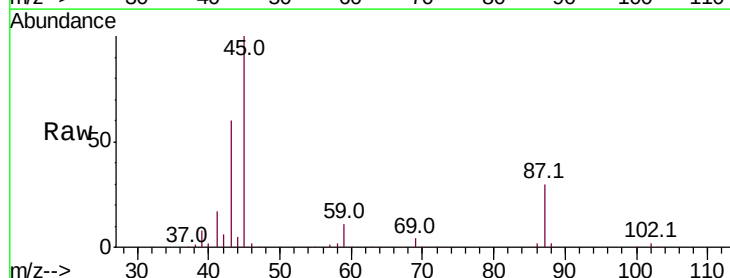
Instrument :
MSVOA_N
ClientSampled :

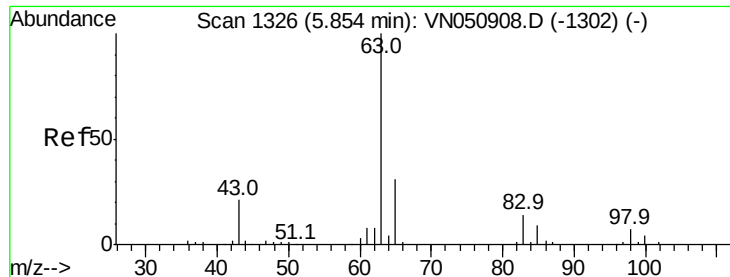
Tot Ion: 96 Resp: 112312
Ion Ratio Lower Upper
96 100
61 132.1 109.5 164.3
98 60.8 51.9 77.9



#20
Diisopropyl ether
Concen: 17.240 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 45 Resp: 332803
Ion Ratio Lower Upper
45 100
43 58.0 47.0 70.6
87 29.6 22.8 34.2
59 11.1 9.5 14.3



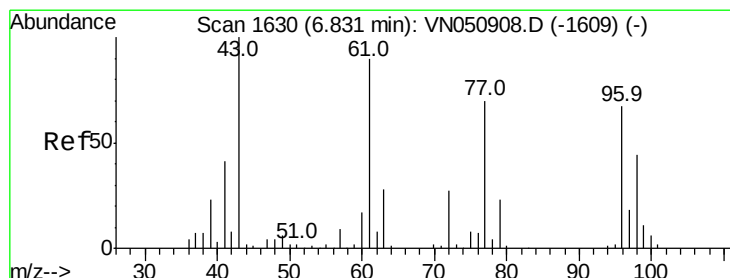
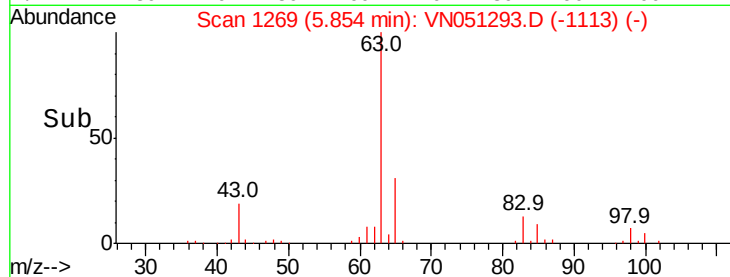
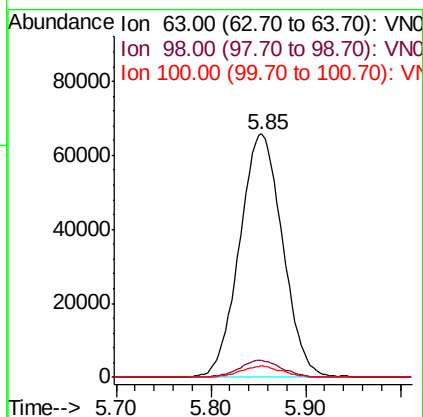
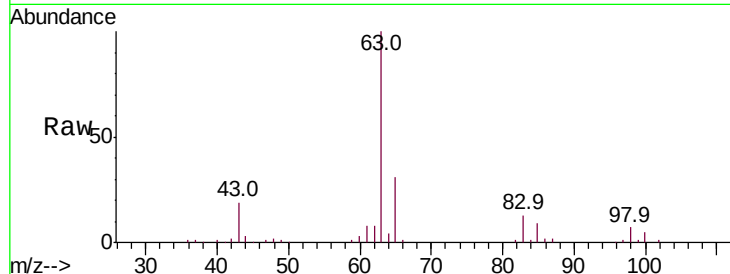


#21
 1,1-Dichloroethane
 Concen: 17.553 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 207758

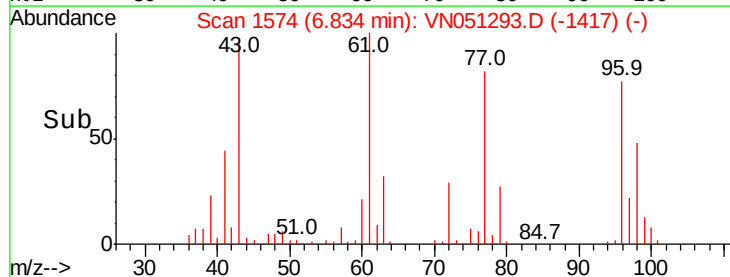
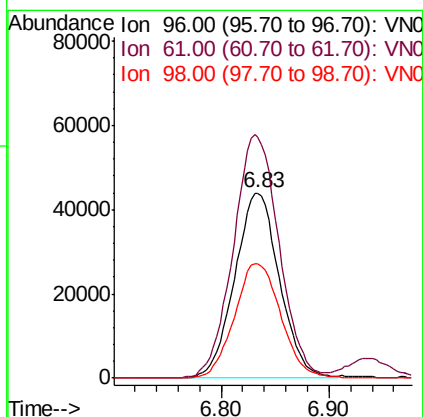
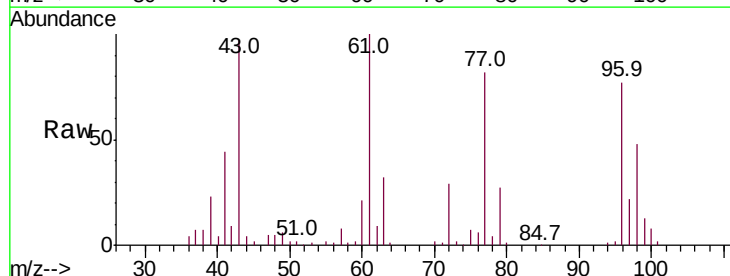
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.7	2.0	6.0

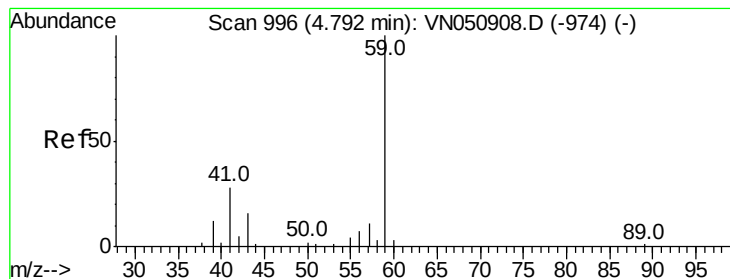


#22
 cis-1,2-Dichloroethene
 Concen: 17.827 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 96 Resp: 126814

Ion	Ratio	Lower	Upper
96	100		
61	134.9	110.0	165.0
98	64.2	51.7	77.5



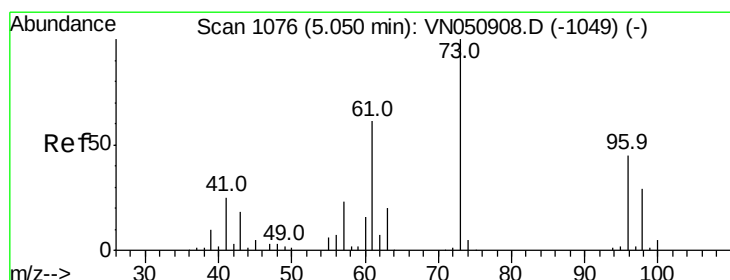
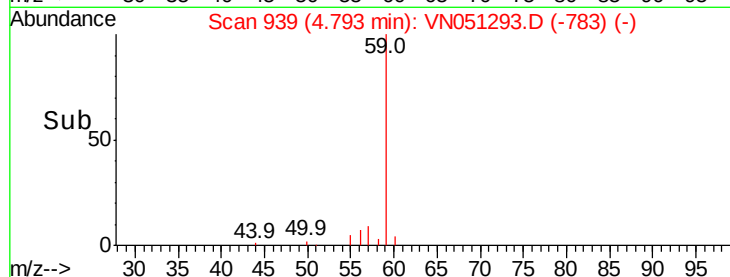
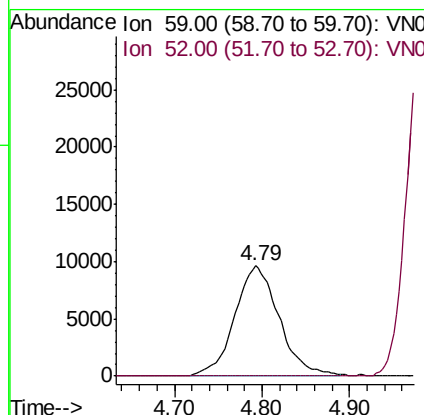
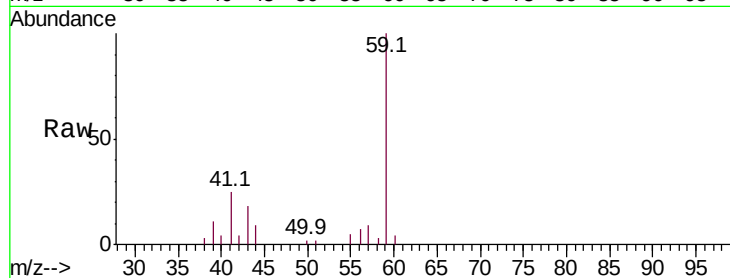


#23

tert-Butyl Alcohol
 Concen: 68.970 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :

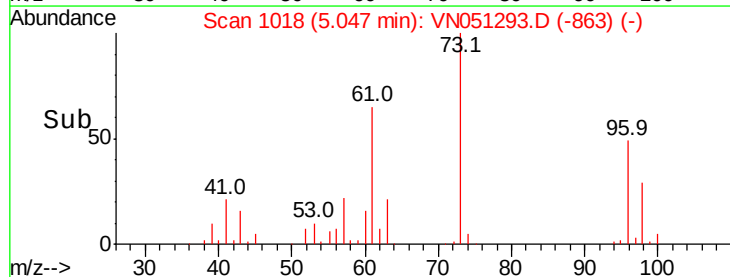
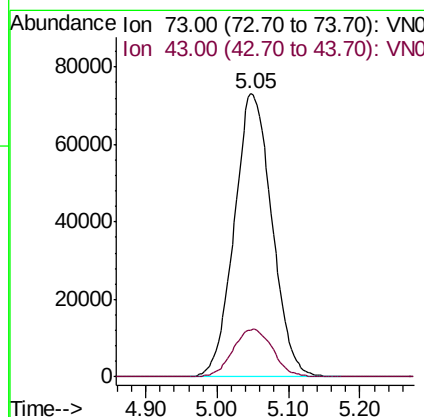
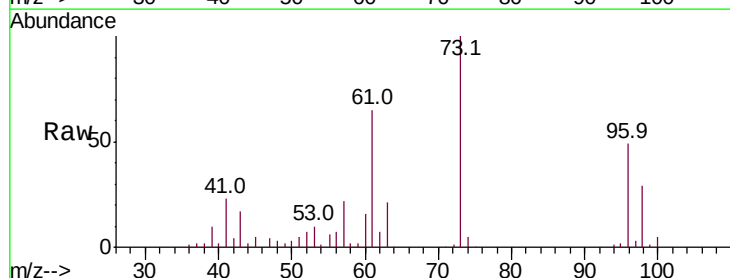
Tot Ion: 59 Resp: 33894
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

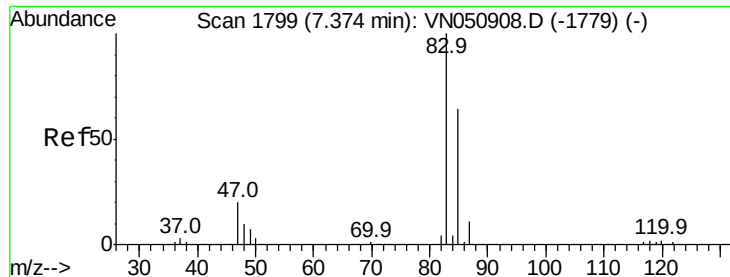


#24

Methyl tert-Butyl Ether
 Concen: 16.633 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 73 Resp: 268886
 Ion Ratio Lower Upper
 73 100
 43 17.8 14.4 21.6





#25

Chloroform

Concen: 18.087 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

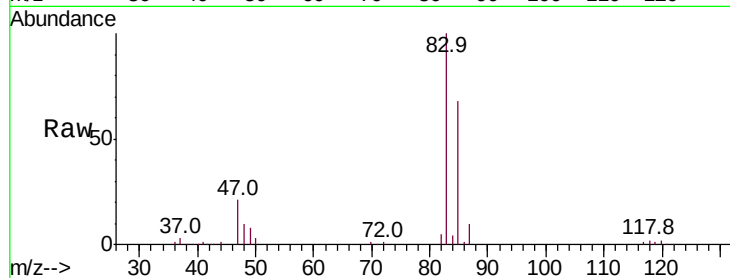
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 213672

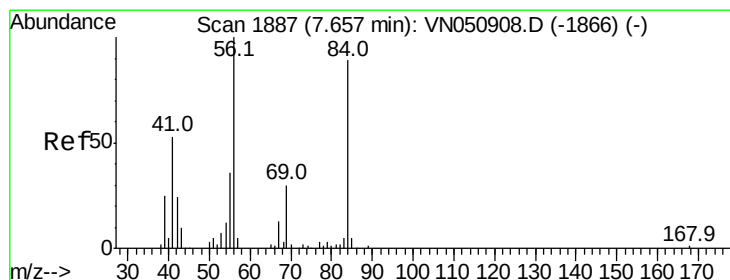
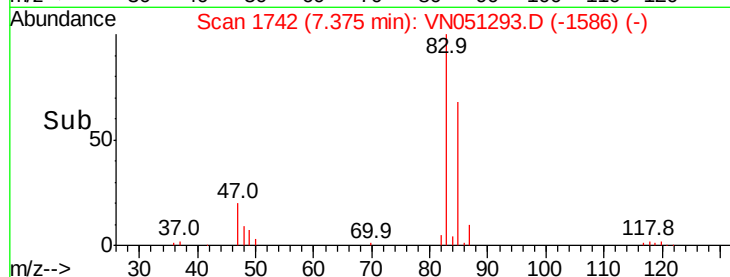
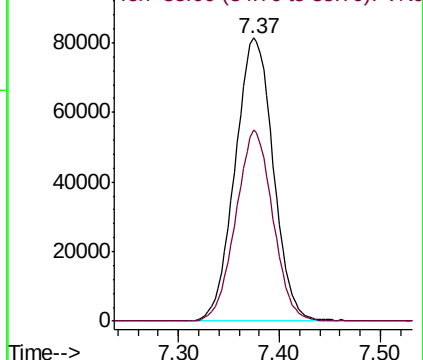
Ion Ratio Lower Upper

83 100

85 67.5 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 17.099 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

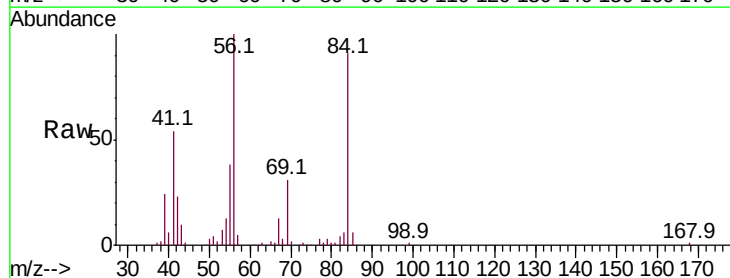
Tgt Ion: 56 Resp: 167672

Ion Ratio Lower Upper

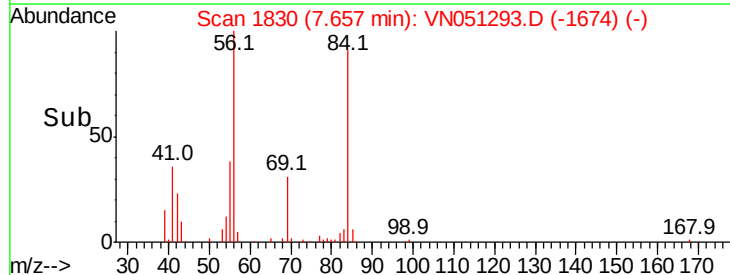
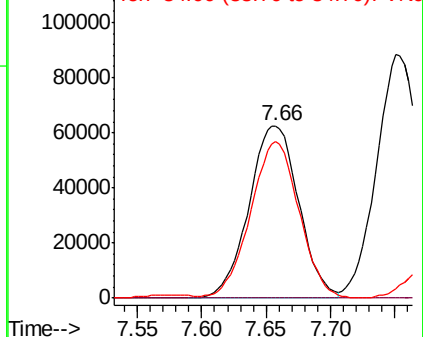
56 100

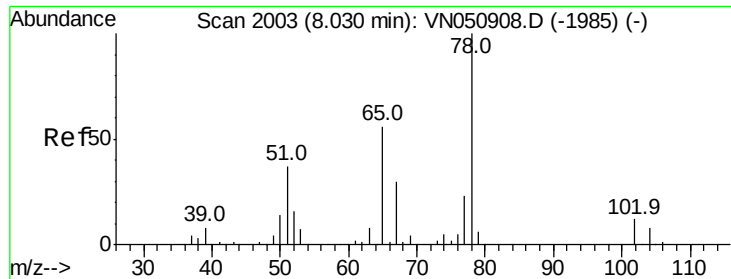
89 0.0 0.4 0.6#

84 87.9 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO





#27

1,2-Dichloroethane-d4

Concen: 28.193 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

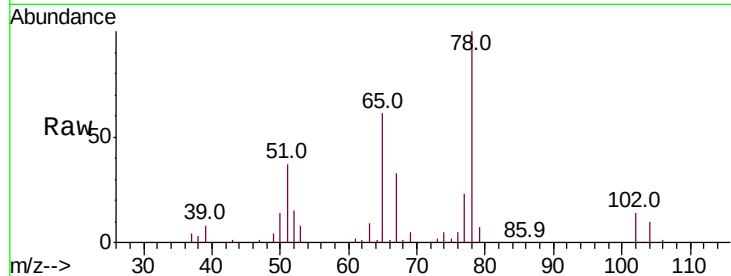
ClientSampled :

Tot Ion: 65 Resp: 196792

Ion Ratio Lower Upper

65 100

67 54.4 43.7 65.5

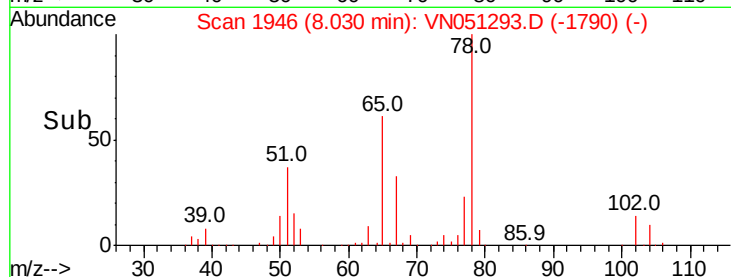


Abundance Ion 65.00 (64.70 to 65.70): VN050908.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050908.D (-1985) (-)

8.03

Time-->



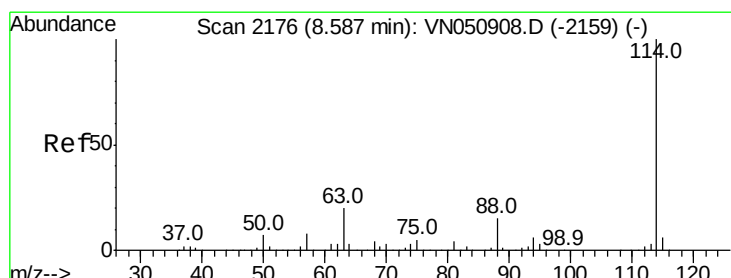
Abundance

Ion 65.00 (64.70 to 65.70): VN051293.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN051293.D (-1790) (-)

8.03

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

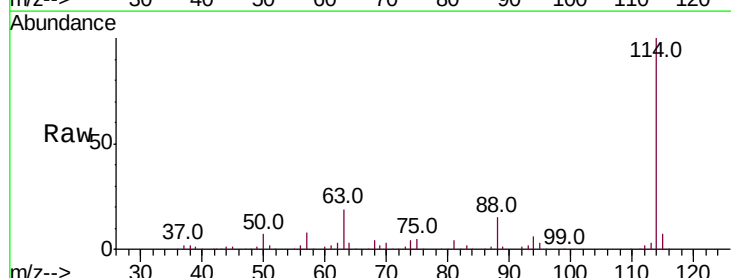
Tgt Ion:114 Resp: 573482

Ion Ratio Lower Upper

114 100

63 18.6 15.6 23.4

88 15.2 12.2 18.4



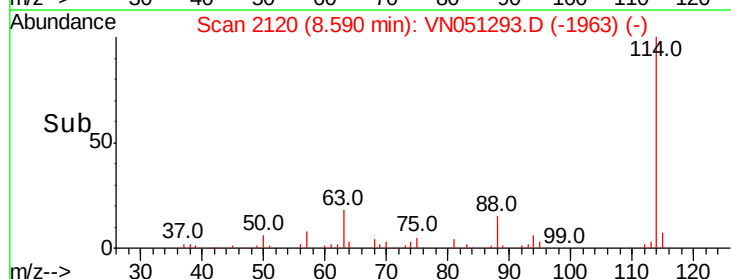
Abundance Ion 114.00 (113.70 to 114.70): VN050908.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050908.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050908.D (-2159) (-)

8.59

Time-->



Abundance

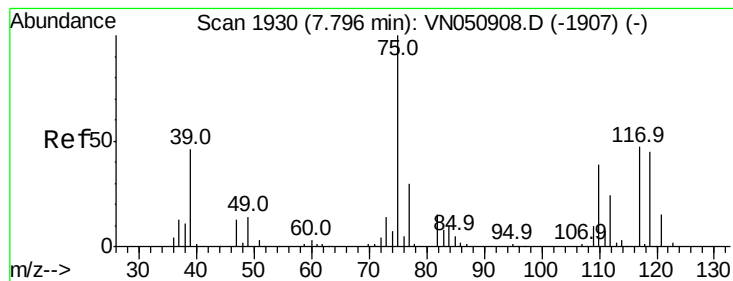
Ion 114.00 (113.70 to 114.70): VN051293.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051293.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051293.D (-1963) (-)

8.59

Time-->



#29

1,1-Dichloropropene

Concen: 18.133 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

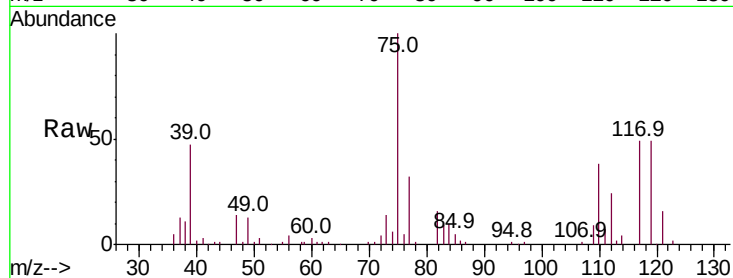
Tot Ion: 75 Resp: 155679

Ion Ratio Lower Upper

75 100

110 37.6 0.0 75.0

77 31.7 0.0 60.6

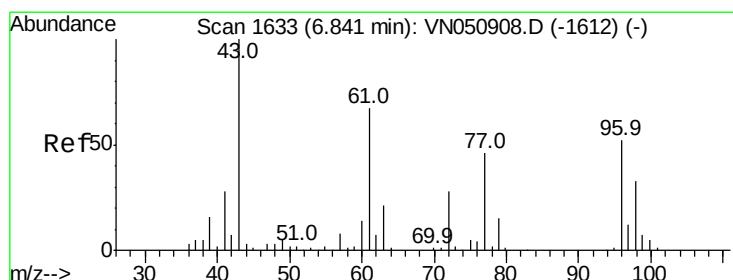
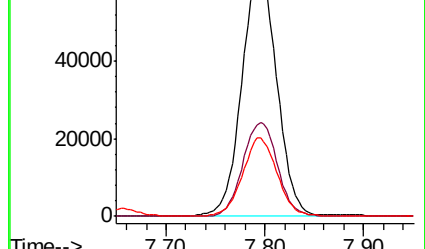
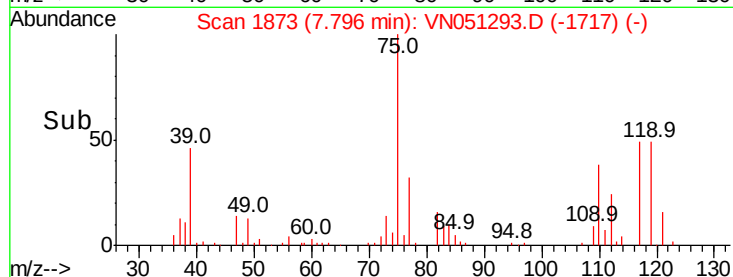


Abundance Ion 75.00 (74.70 to 75.70): VN050908.D (-1907) (-)

Ion 110.00 (109.70 to 110.70): VN050908.D (-1907) (-)

Ion 77.00 (76.70 to 77.70): VN050908.D (-1907) (-)

7.80



#30

2-Butanone

Concen: 68.215 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

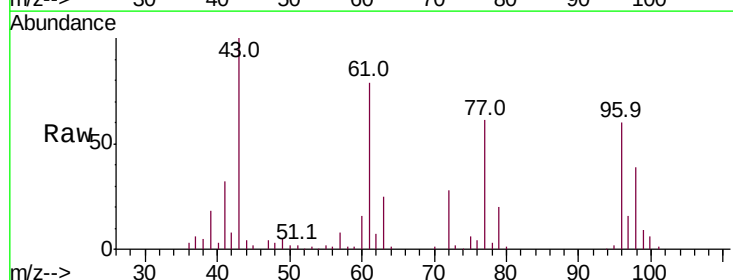
Tgt Ion: 43 Resp: 180169

Ion Ratio Lower Upper

43 100

57 8.5 6.9 10.3

72 29.7 22.8 34.2

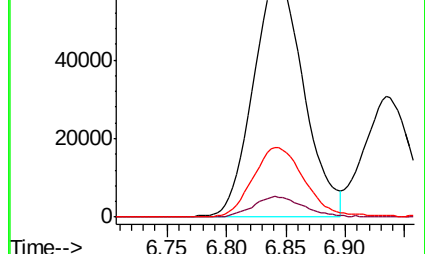
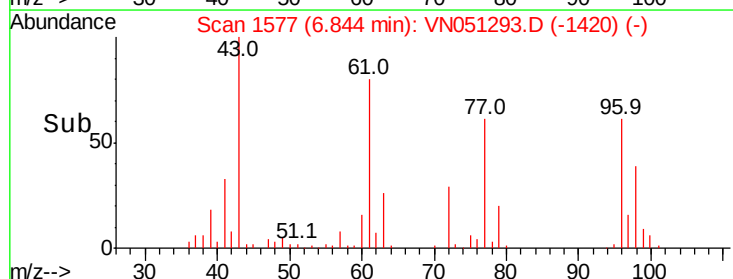


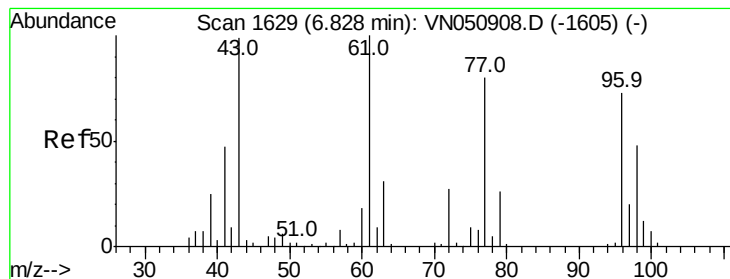
Abundance Ion 43.00 (42.70 to 43.70): VN050908.D (-1612) (-)

Ion 57.00 (56.70 to 57.70): VN050908.D (-1612) (-)

Ion 72.00 (71.70 to 72.70): VN050908.D (-1612) (-)

6.84





#31

2,2-Dichloropropane

Concen: 18.643 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

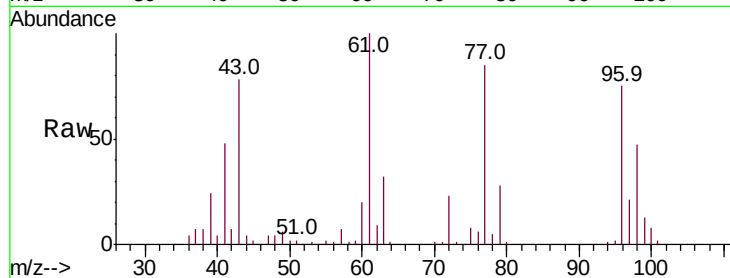
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 77 Resp: 155749

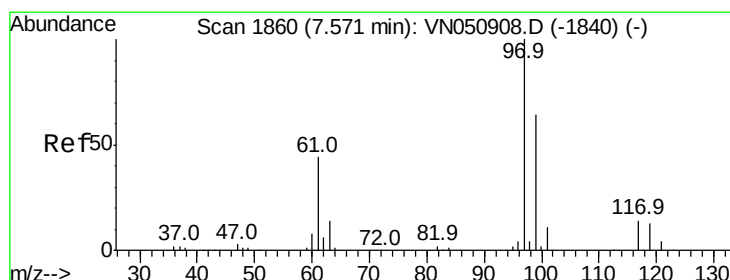
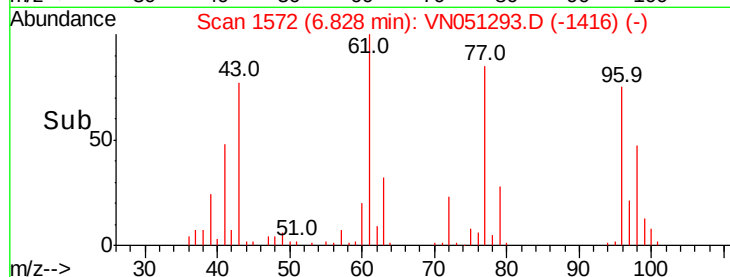
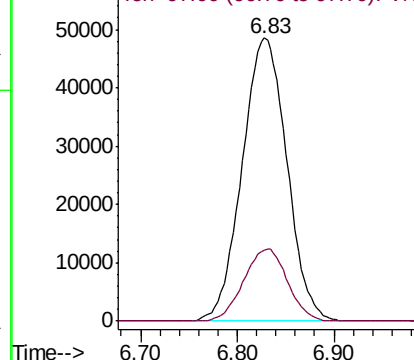
Ion Ratio Lower Upper

77 100

97 25.0 20.2 30.2



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.761 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

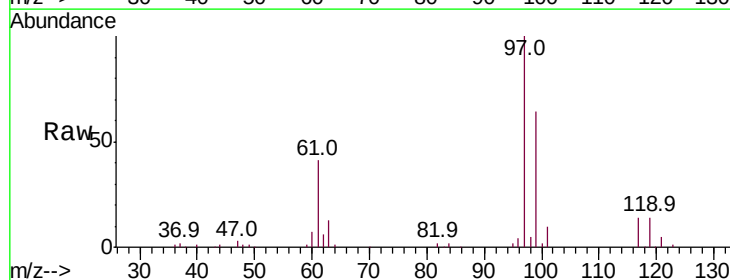
Tgt Ion: 97 Resp: 182652

Ion Ratio Lower Upper

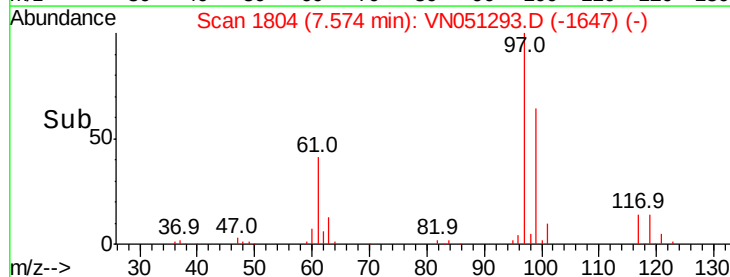
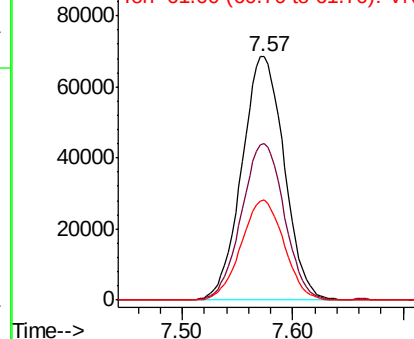
97 100

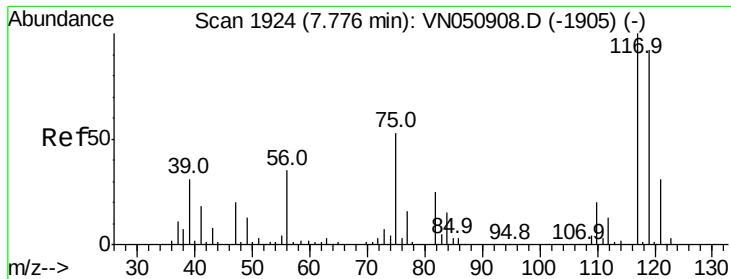
99 64.9 52.0 78.0

61 41.5 35.0 52.6



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 99.00 (98.70 to 99.70): VN0
Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 18.760 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

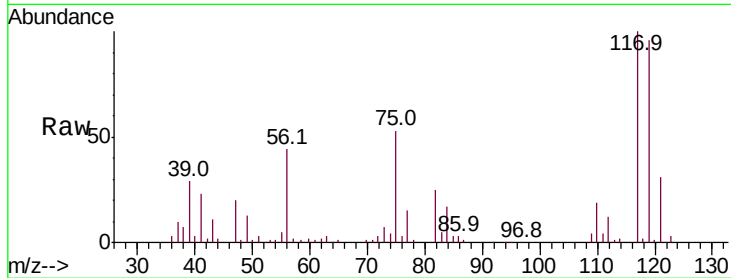
Tot Ion:117 Resp: 164484

Ion Ratio Lower Upper

117 100

119 96.4 73.5 110.3

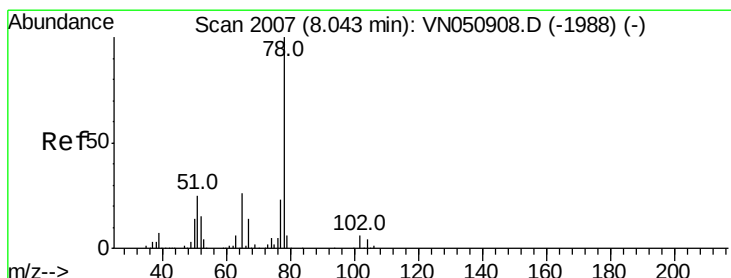
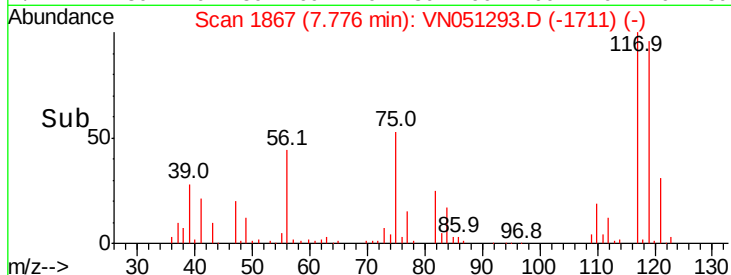
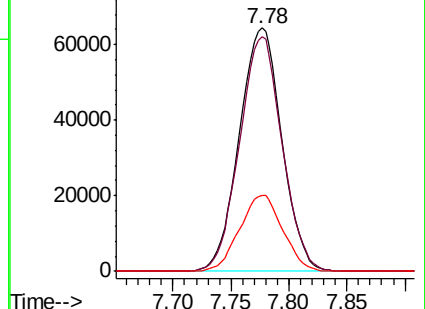
121 31.0 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 17.947 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

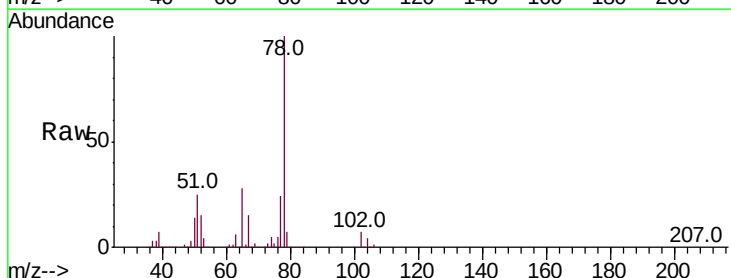
Tgt Ion: 78 Resp: 476674

Ion Ratio Lower Upper

78 100

77 24.3 18.6 28.0

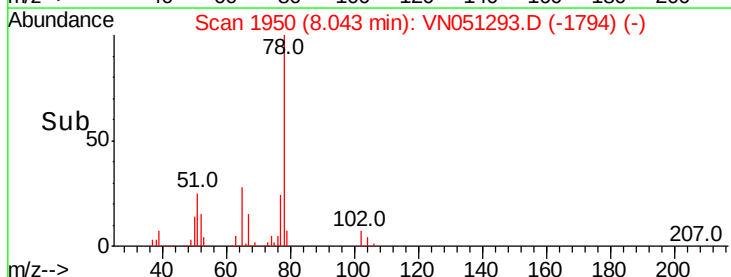
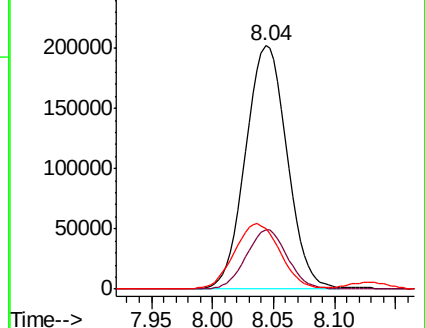
51 24.6 20.0 30.0

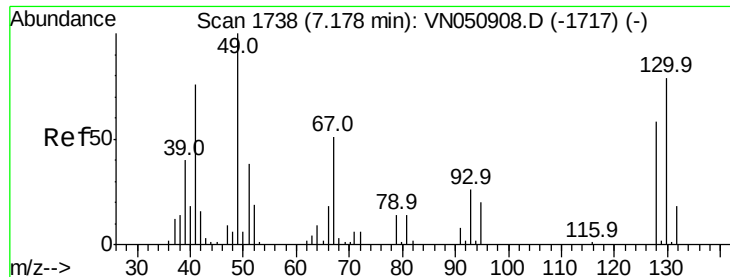


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

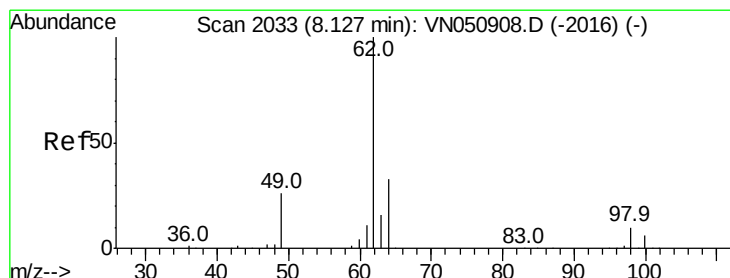
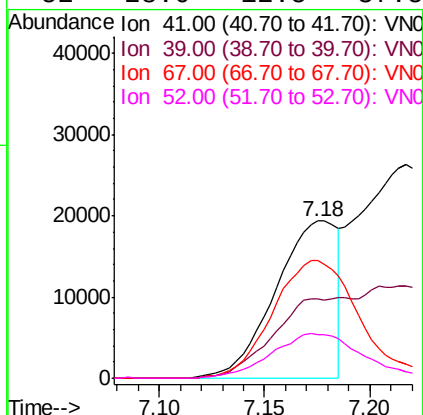
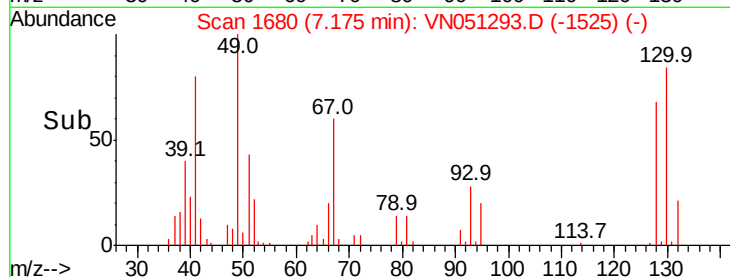
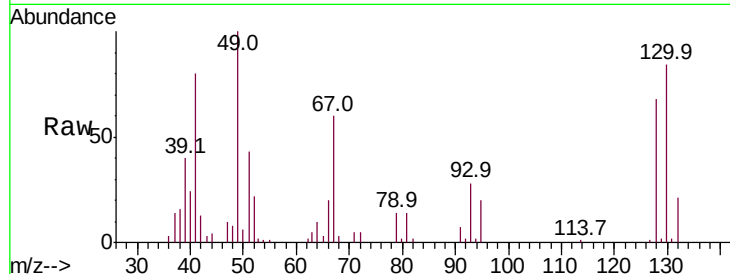




#35
Methacrylonitrile
Concen: 13.667 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

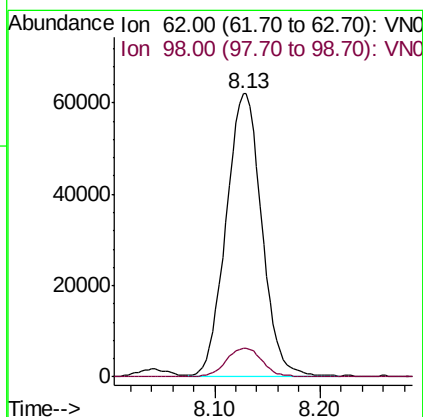
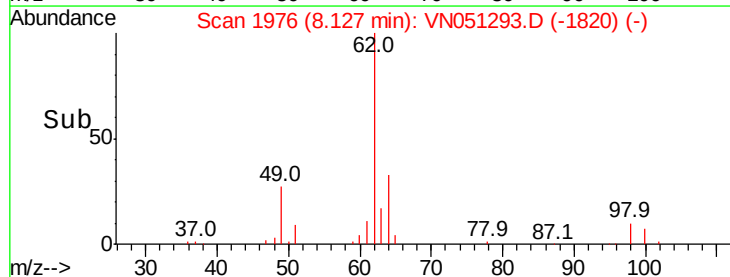
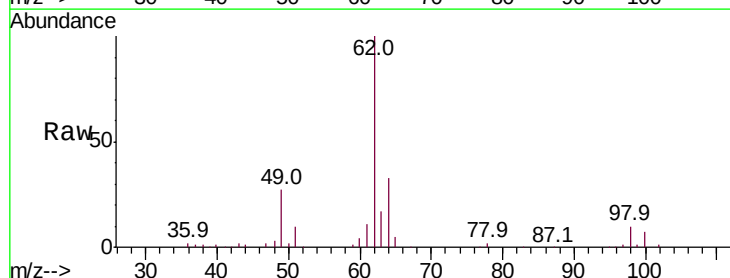
Instrument :
MSVOA_N
ClientSampleId :

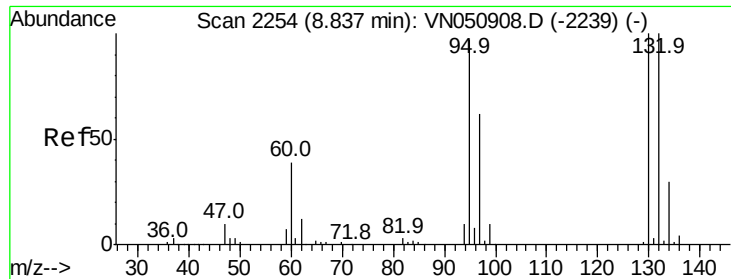
Tot Ion: 41 Resp: 39549
Ion Ratio Lower Upper
41 100
39 50.3 26.2 78.5
67 75.1 33.9 101.6
52 28.0 12.5 37.5



#36
1,2-Dichloroethane
Concen: 18.172 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 62 Resp: 145972
Ion Ratio Lower Upper
62 100
98 10.2 8.0 12.0

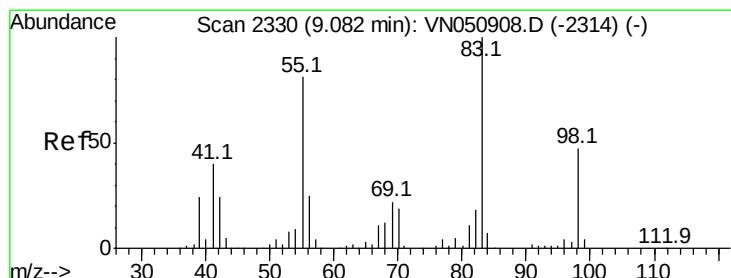
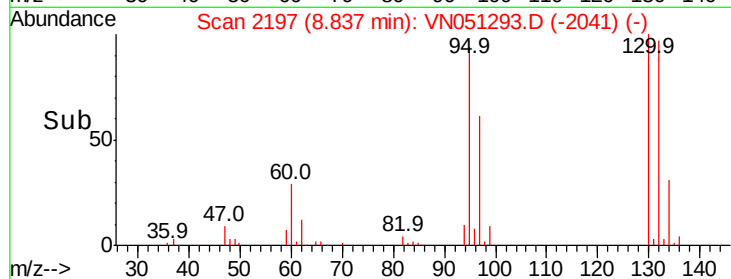
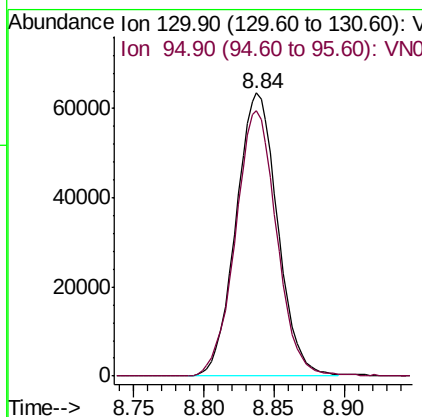
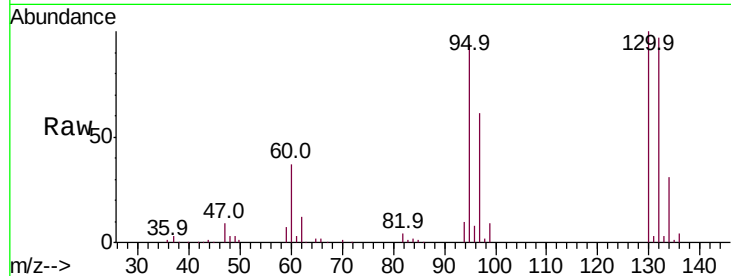




#37
 Trichloroethene
 Concen: 18.869 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

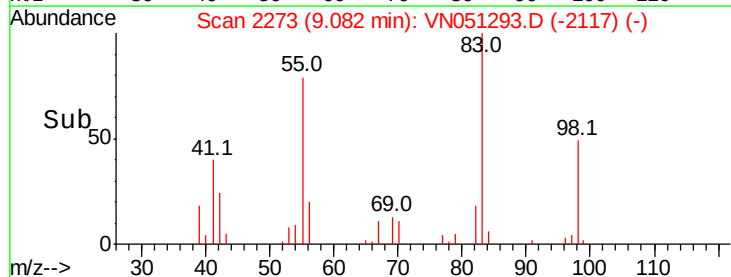
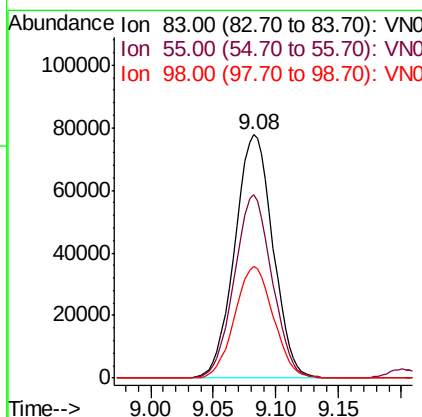
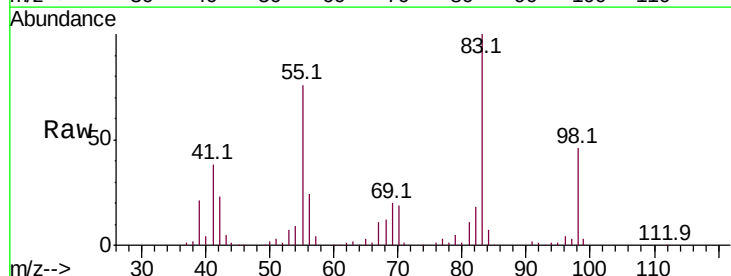
Instrument :
 MSVOA_N
 ClientSampleId :

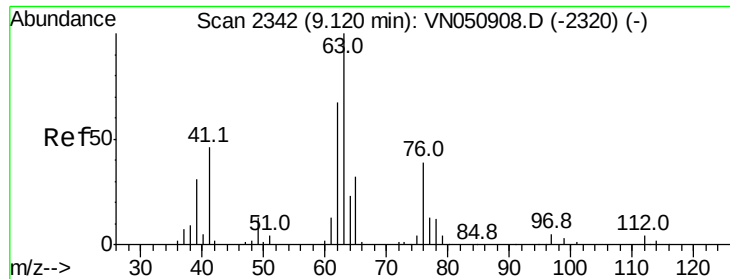
Tot Ion:130 Resp: 130991
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.4 116.0



#38
 Methylcyclohexane
 Concen: 17.878 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 83 Resp: 164856
 Ion Ratio Lower Upper
 83 100
 55 74.5 38.9 116.7
 98 46.4 22.9 68.7





#39

1,2-Dichloropropane

Concen: 18.306 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

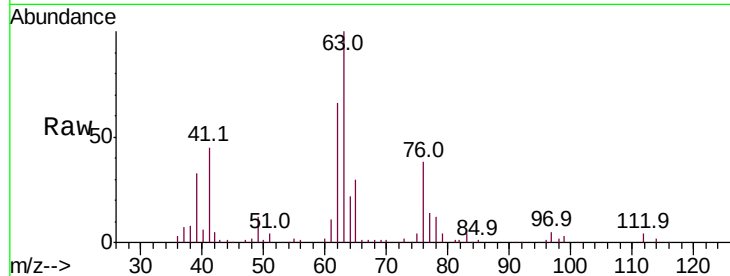
ClientSampleId :

Tot Ion: 63 Resp: 126986

Ion Ratio Lower Upper

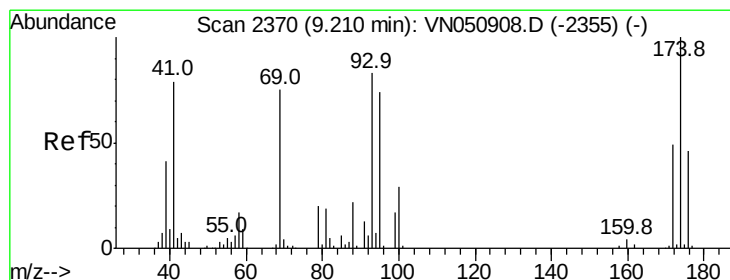
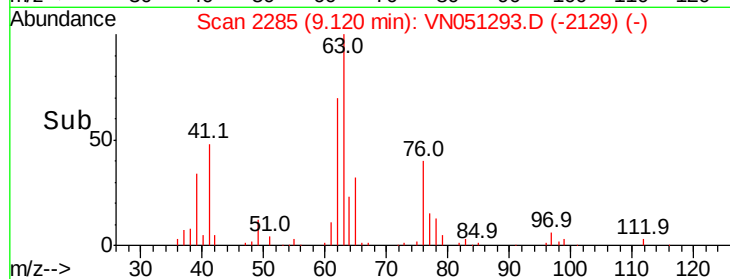
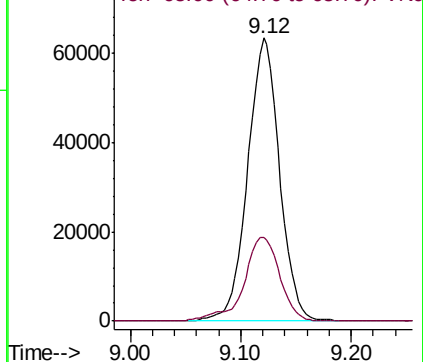
63 100

65 29.8 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.177 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

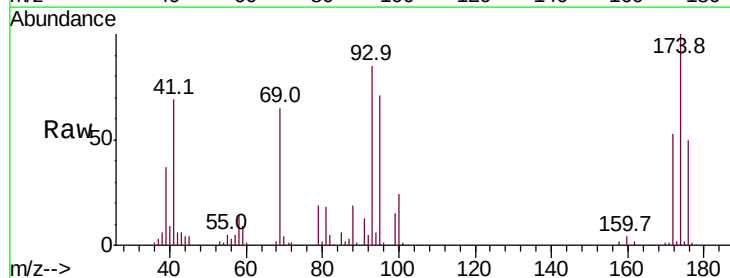
Tgt Ion: 93 Resp: 75953

Ion Ratio Lower Upper

93 100

95 81.8 0.0 173.4

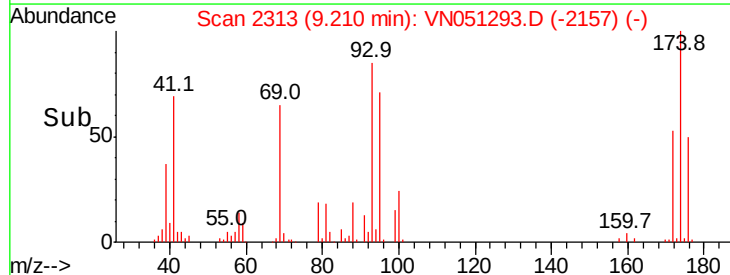
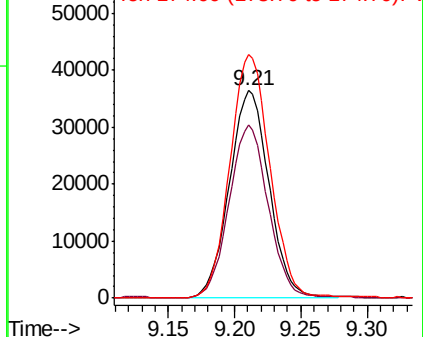
174 118.1 0.0 234.8

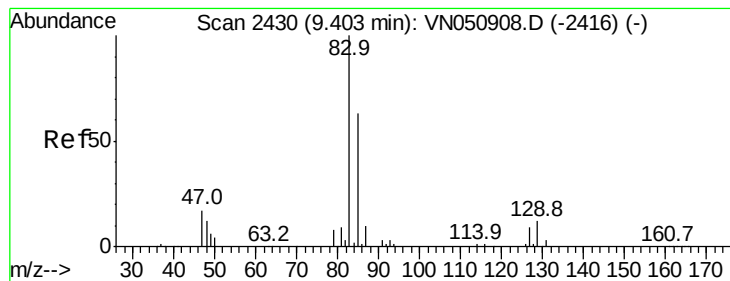


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.077 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

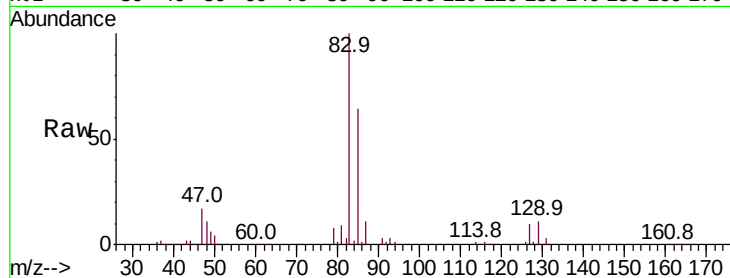
Tot Ion: 83 Resp: 159230

Ion Ratio Lower Upper

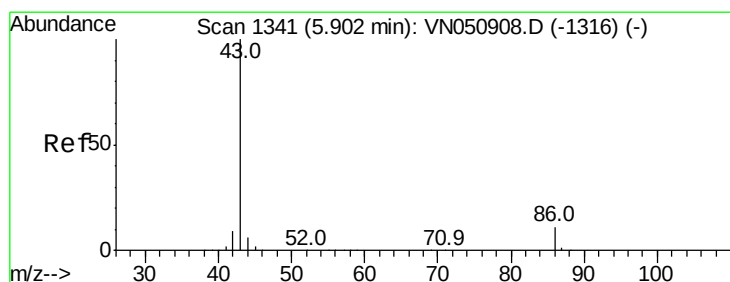
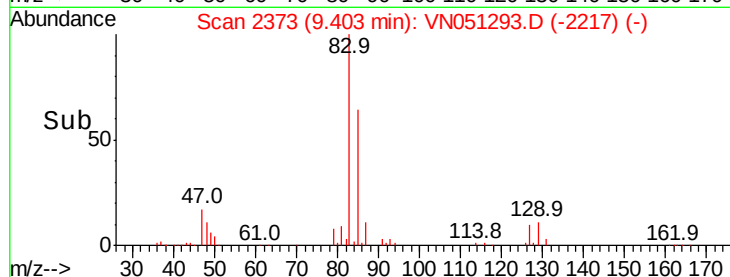
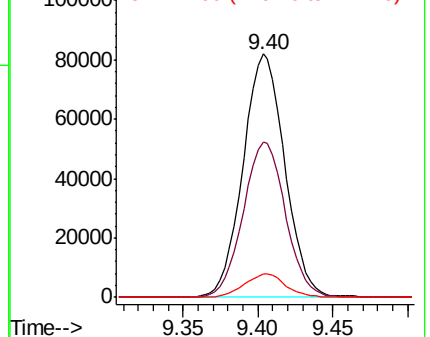
83 100

85 63.9 50.6 76.0

127 9.6 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 85.00 (84.70 to 85.70): VNC
Ion 127.00 (126.70 to 127.70): VNC



#42

Vinyl Acetate

Concen: 84.670 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051293.D

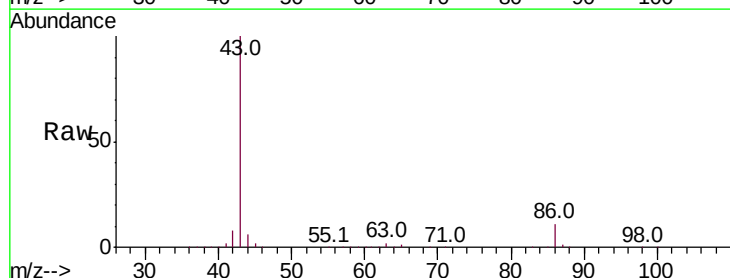
Acq: 18 Sep 2018 13:22

Tgt Ion: 43 Resp: 1030063

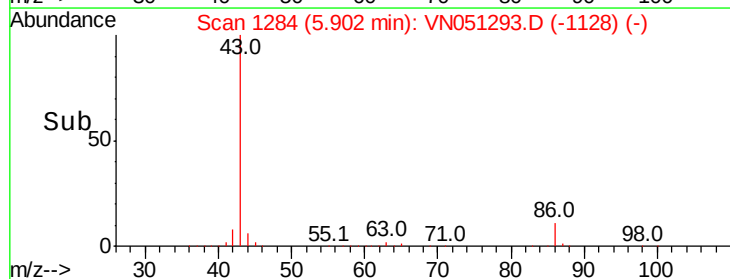
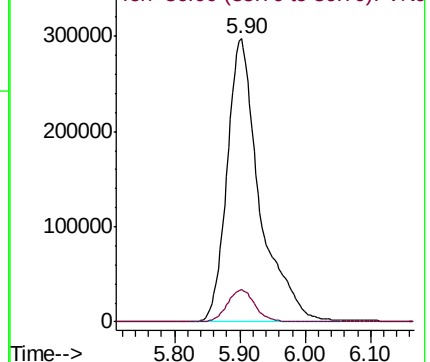
Ion Ratio Lower Upper

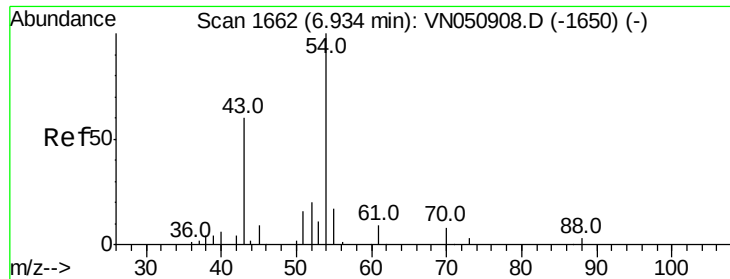
43 100

86 9.8 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 86.00 (85.70 to 86.70): VNC

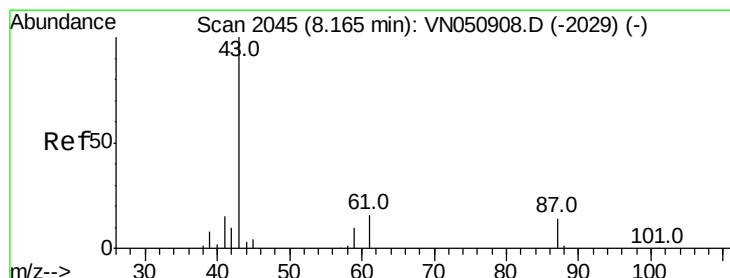
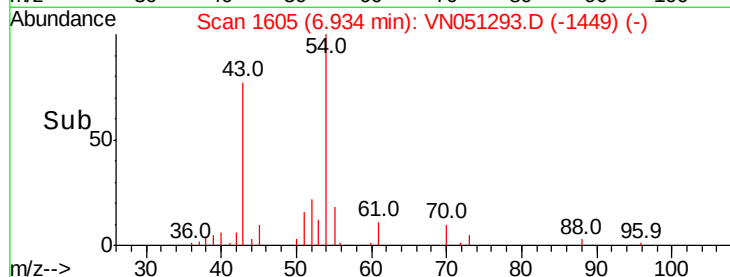
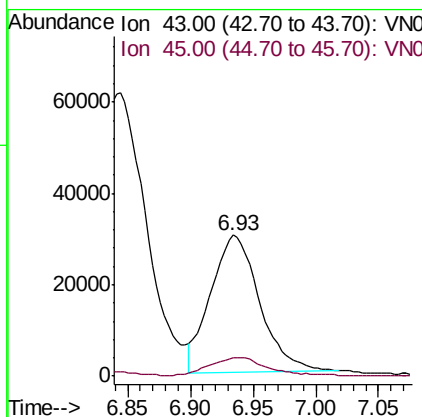
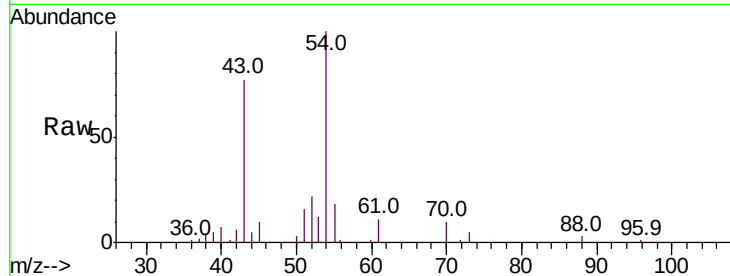




#43
Ethyl Acetate
Concen: 15.091 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

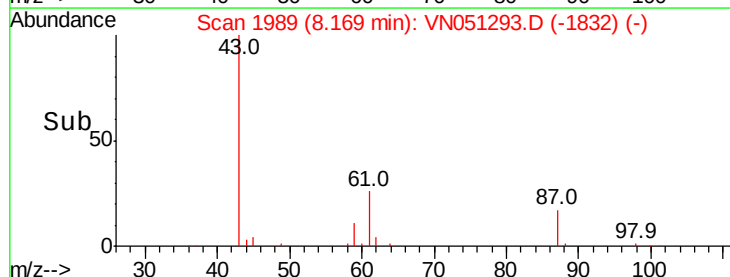
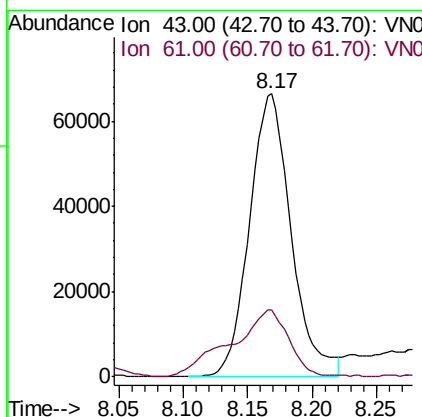
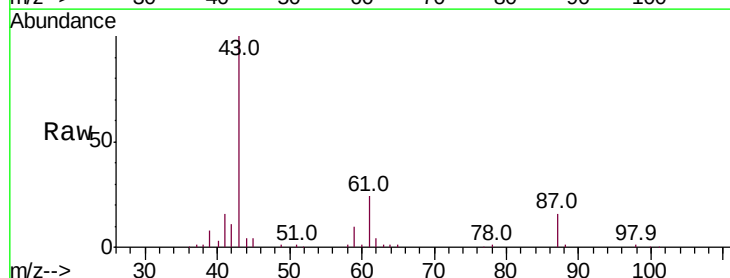
Instrument :
MSVOA_N
ClientSampled :

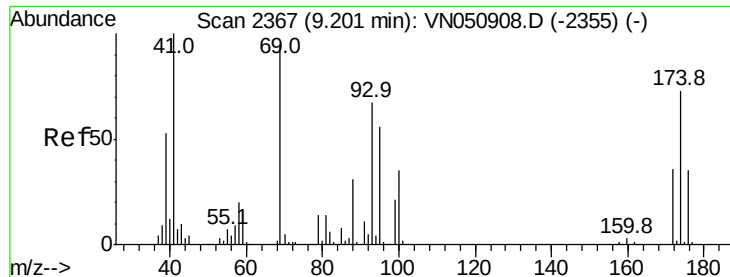
Tot Ion: 43 Resp: 81652
Ion Ratio Lower Upper
43 100
45 14.0 10.2 15.2



#44
Isopropyl Acetate
Concen: 15.710 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 43 Resp: 149993
Ion Ratio Lower Upper
43 100
61 32.0 16.3 24.5#





#45

1,4-Dioxane

Concen: 293.868 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

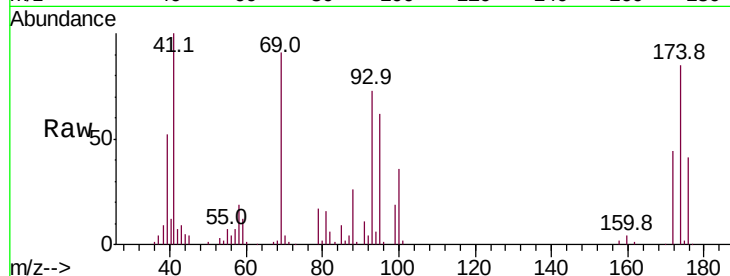
Tot Ion: 88 Resp: 20842

Ion Ratio Lower Upper

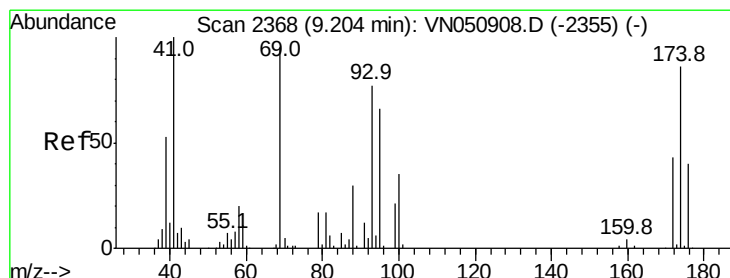
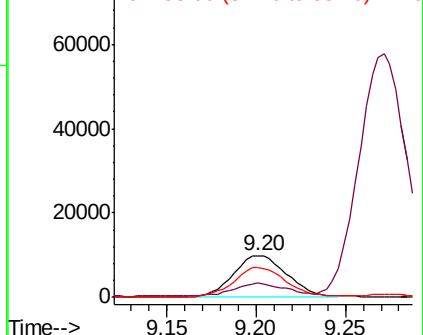
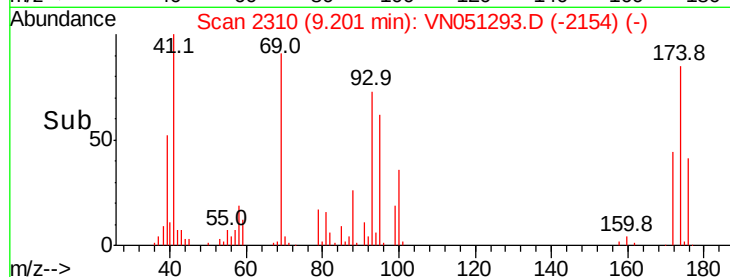
88 100

43 30.5 23.5 35.3

58 70.9 55.2 82.8



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



#46

Methyl methacrylate

Concen: 14.591 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

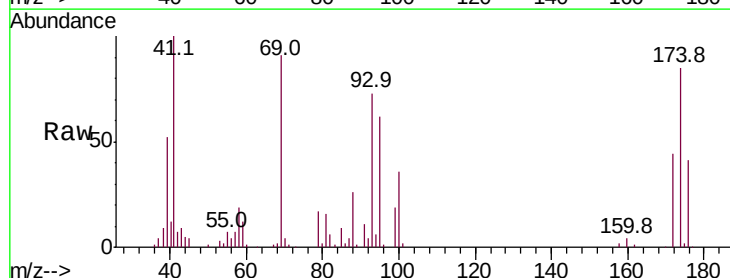
Tgt Ion: 41 Resp: 69771

Ion Ratio Lower Upper

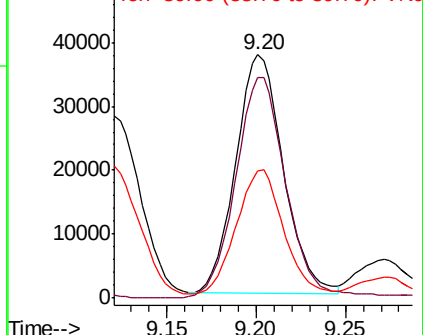
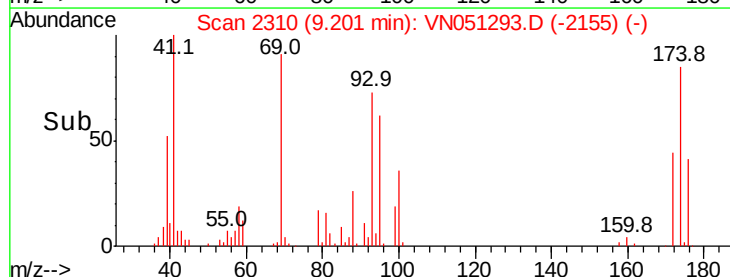
41 100

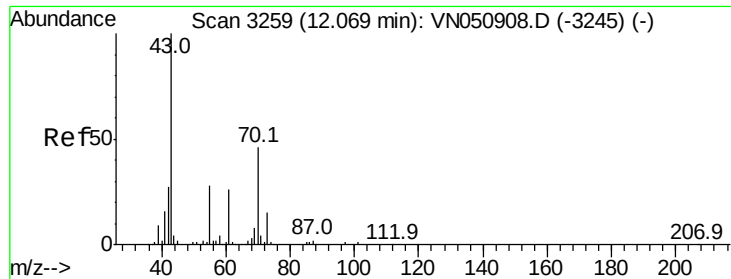
69 91.9 47.4 142.2

39 51.7 26.6 79.7



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





#47

n-amvl Acetate

Concen: 12.886 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

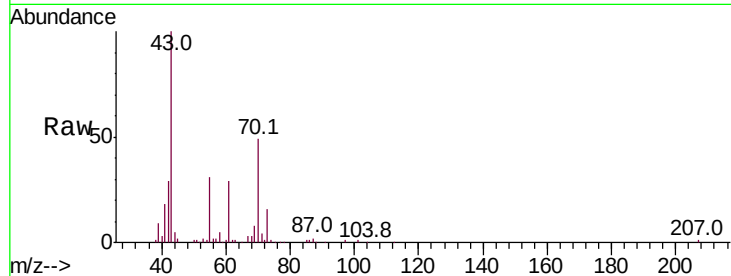
ClientSampleId :

Tot Ion: 43 Resp: 98914

Ion Ratio Lower Upper

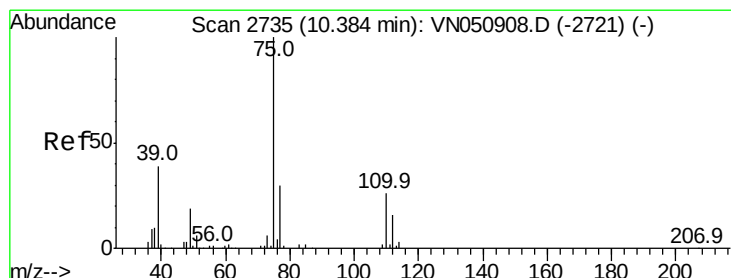
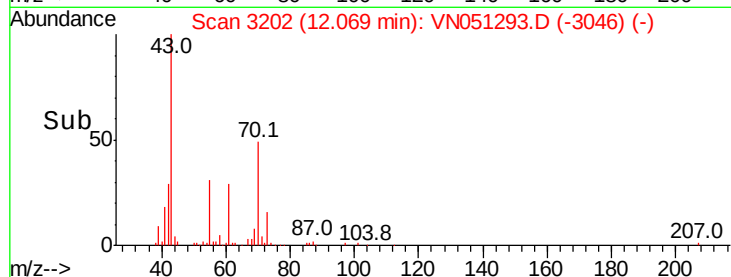
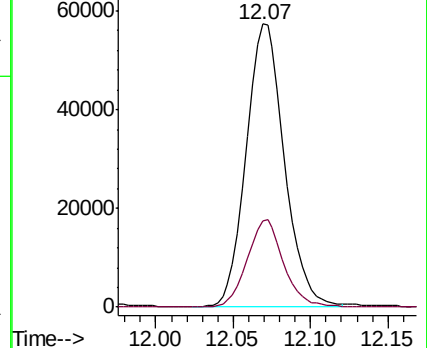
43 100

55 29.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 16.790 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051293.D

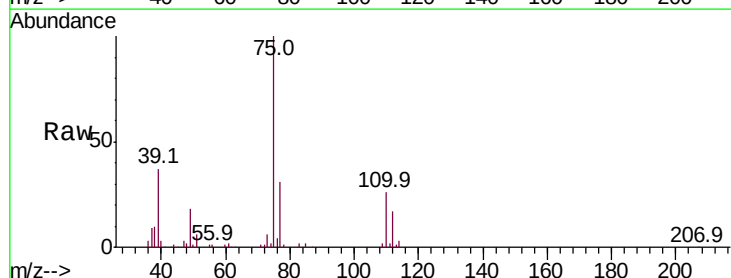
Acq: 18 Sep 2018 13:22

Tgt Ion: 75 Resp: 144975

Ion Ratio Lower Upper

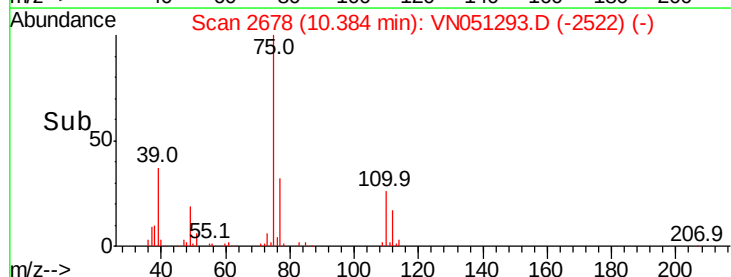
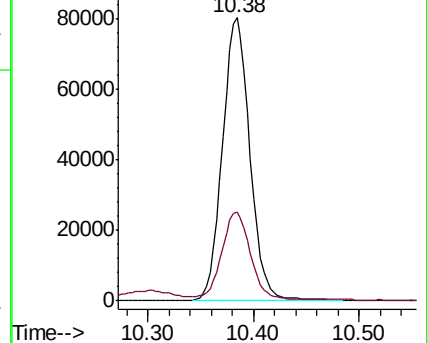
75 100

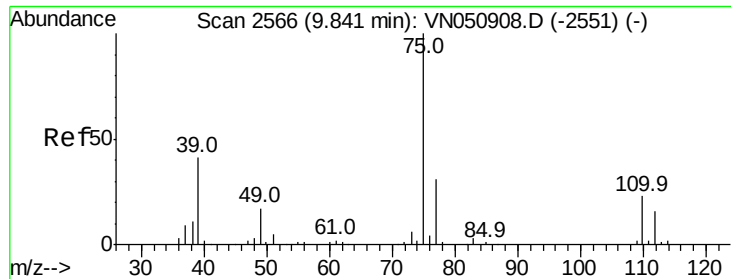
77 31.0 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

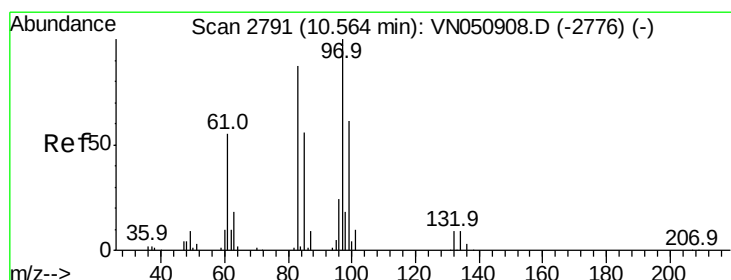
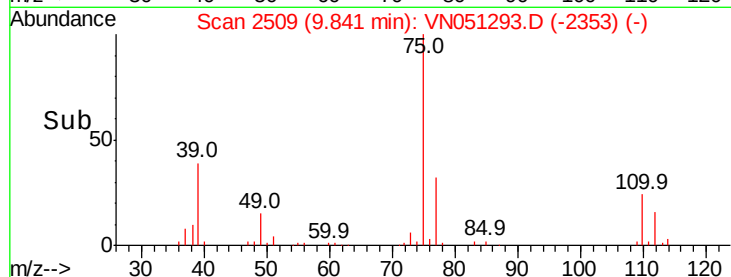
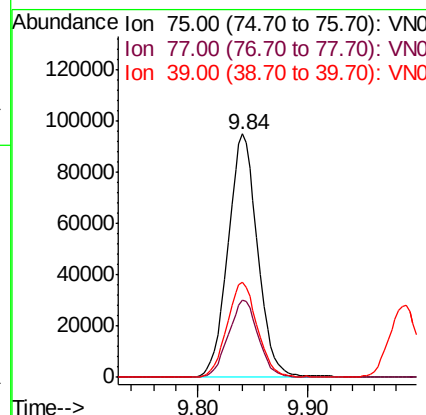
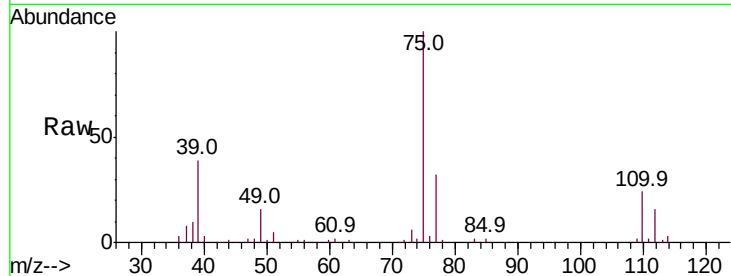




#49
 cis-1,3-Dichloropropene
 Concen: 17.787 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

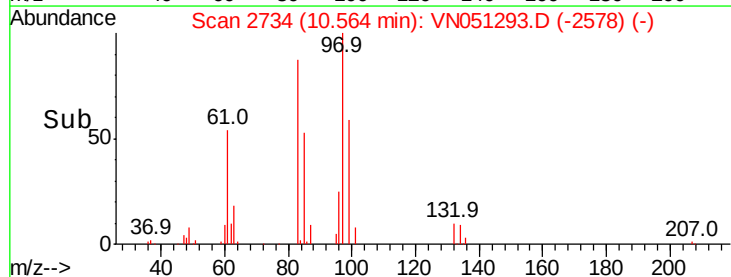
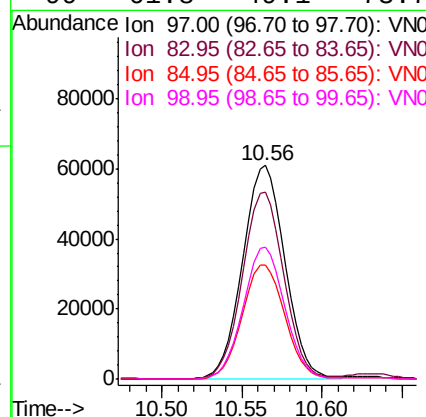
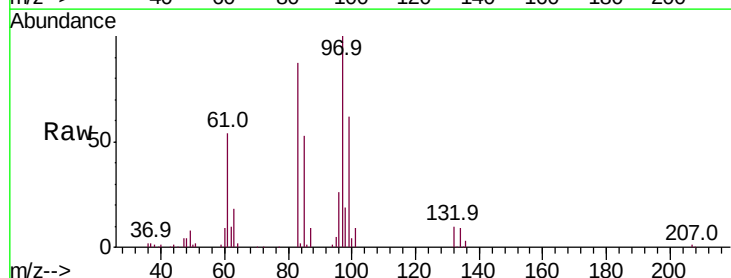
Instrument :
 MSVOA_N
 ClientSampleId :

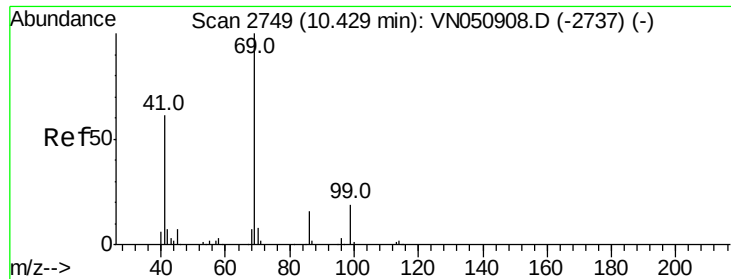
Tot Ion: 75 Resp: 176422
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4
 39 39.0 32.9 49.3



#50
 1,1,2-Trichloroethane
 Concen: 18.147 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 97 Resp: 110176
 Ion Ratio Lower Upper
 97 100
 83 87.5 69.8 104.6
 85 53.4 45.0 67.6
 99 61.8 49.1 73.7





#51

Ethyl methacrylate

Concen: 15.399 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

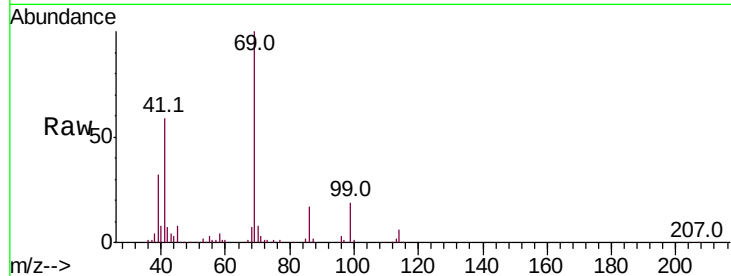
Tot Ion: 69 Resp: 114389

Ion Ratio Lower Upper

69 100

41 58.7 30.5 91.5

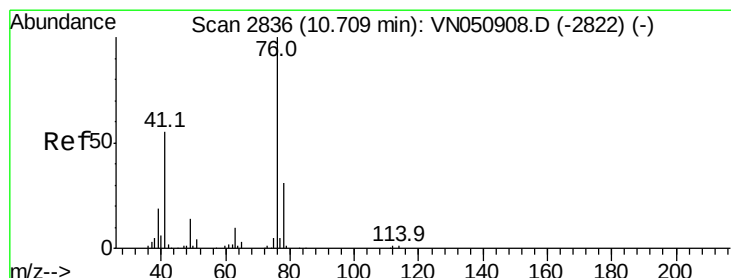
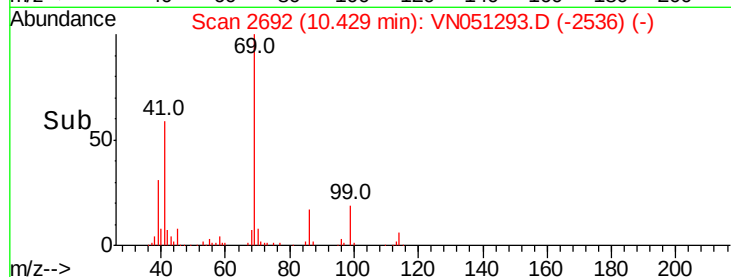
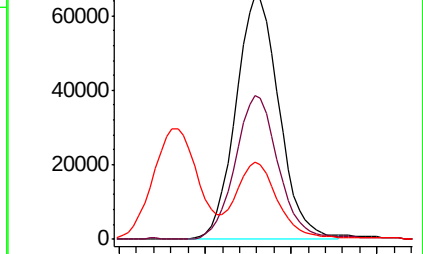
39 30.7 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN051293.D (-2692) (-)

Ion 41.00 (40.70 to 41.70): VN051293.D (-2692) (-)

Ion 39.00 (38.70 to 39.70): VN051293.D (-2692) (-)



#52

1,3-Dichloropropane

Concen: 17.448 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051293.D

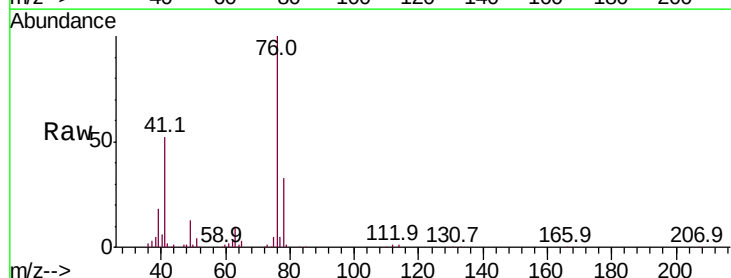
Acq: 18 Sep 2018 13:22

Tgt Ion: 76 Resp: 175469

Ion Ratio Lower Upper

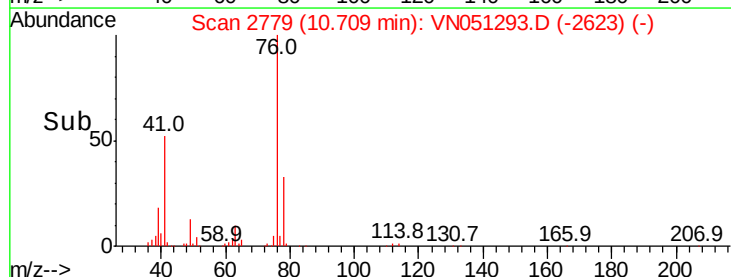
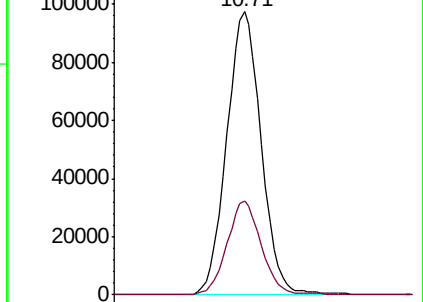
76 100

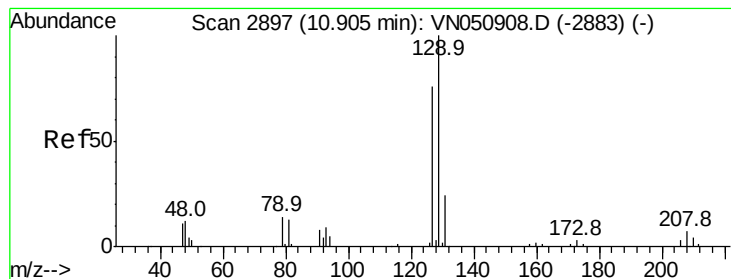
78 32.6 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN051293.D (-2779) (-)

Ion 78.00 (77.70 to 78.70): VN051293.D (-2779) (-)





#53

Dibromochloromethane

Concen: 18.043 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

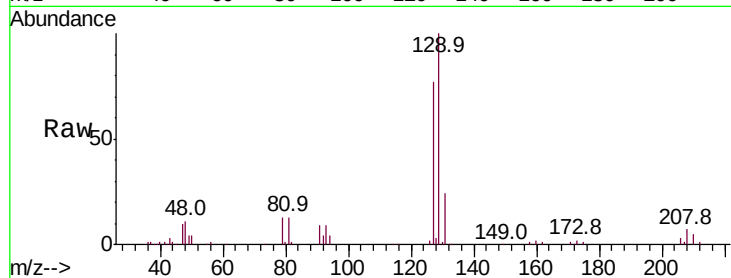
ClientSampleId :

Tot Ion:129 Resp: 124567

Ion Ratio Lower Upper

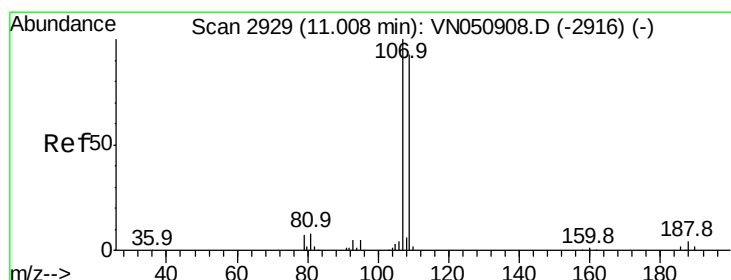
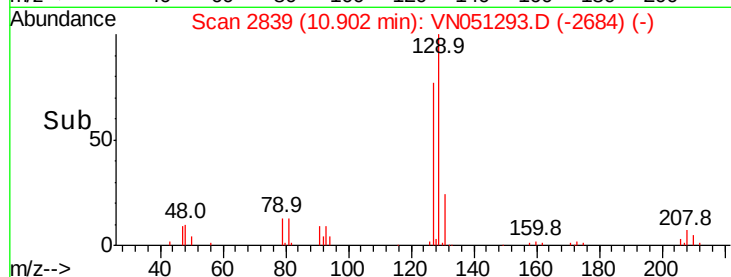
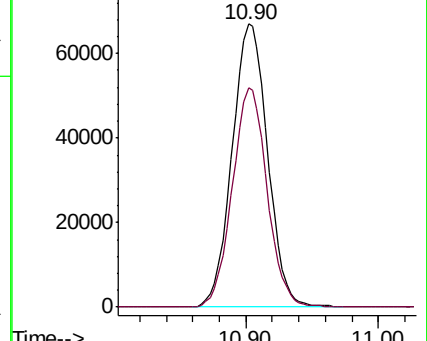
129 100

127 75.6 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.379 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051293.D

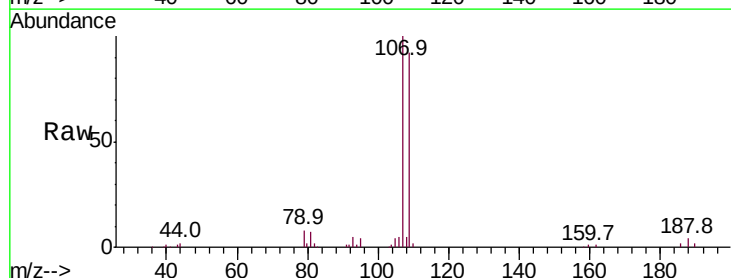
Acq: 18 Sep 2018 13:22

Tgt Ion:107 Resp: 104337

Ion Ratio Lower Upper

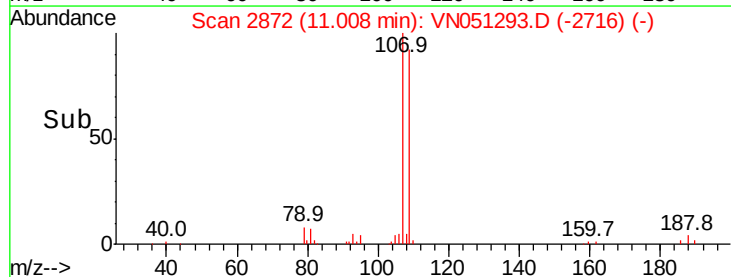
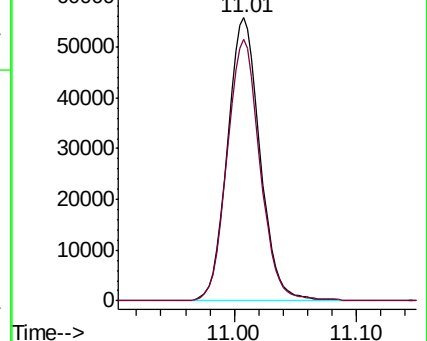
107 100

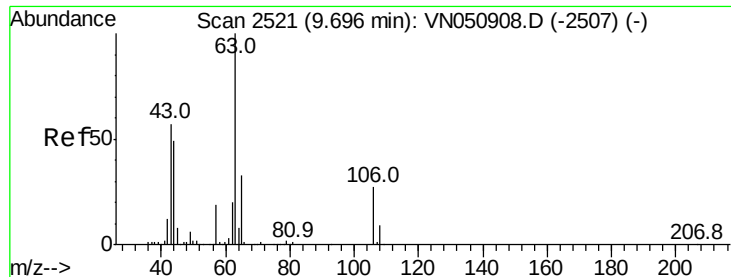
109 93.1 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 79.699 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

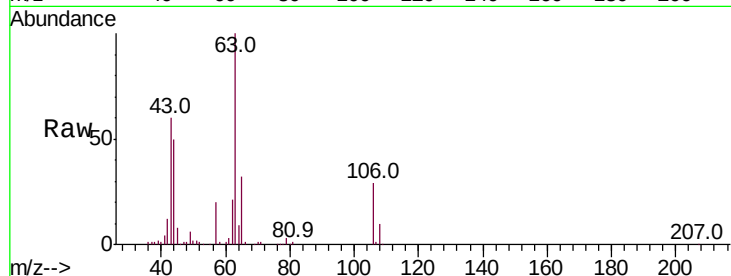
Tot Ion: 63 Resp: 246341

Ion Ratio Lower Upper

63 100

65 32.9 25.4 38.2

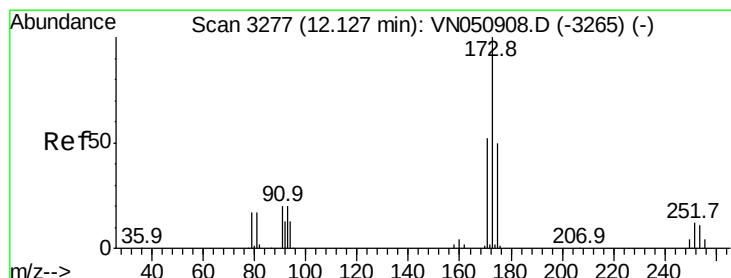
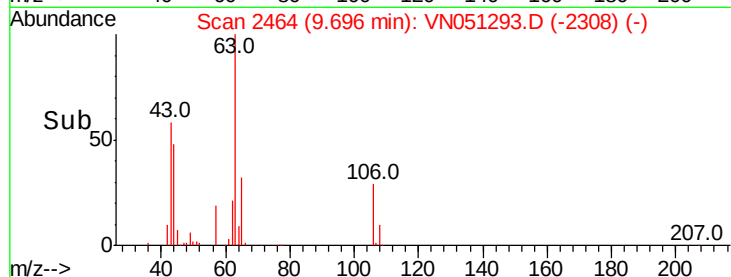
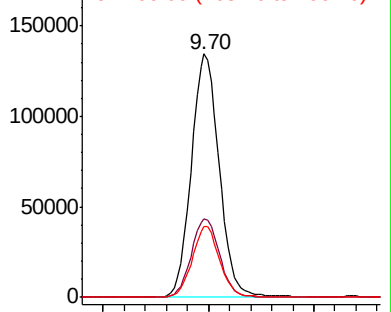
106 28.5 22.0 33.0



Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050908.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050908.D (-2507) (-)



#56

Bromoform

Concen: 17.058 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

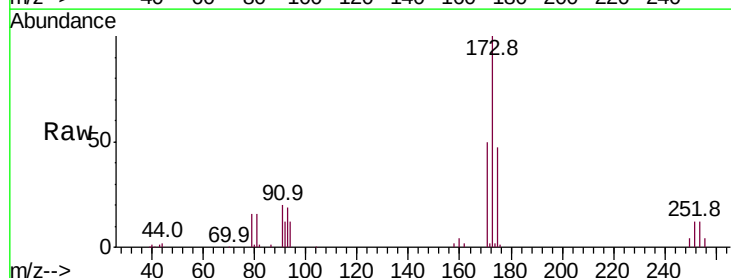
Tgt Ion: 173 Resp: 83755

Ion Ratio Lower Upper

173 100

175 47.5 39.2 58.8

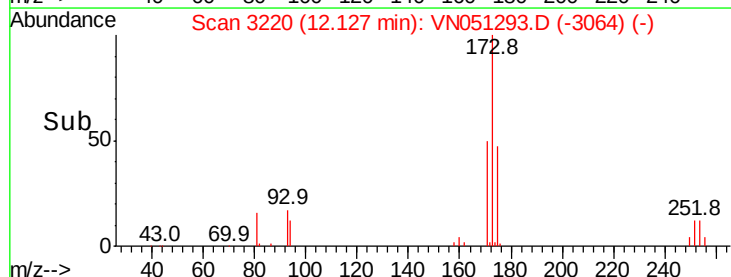
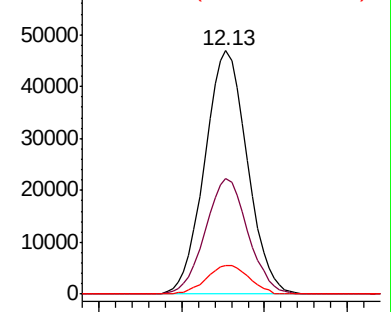
254 11.8 9.0 13.6

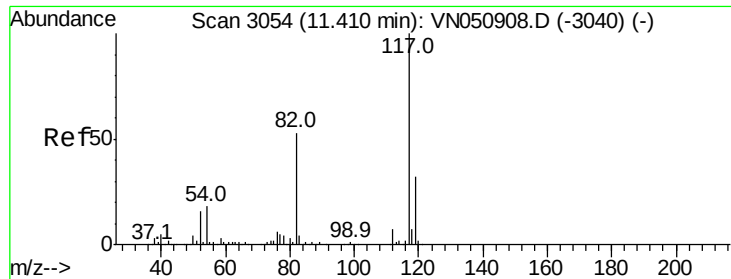


Abundance Ion 173.00 (172.70 to 173.70): VN050908.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050908.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050908.D (-3265) (-)

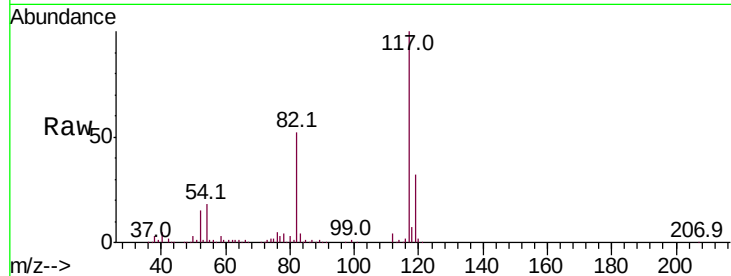




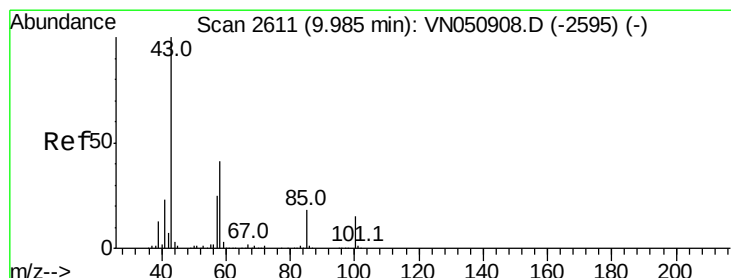
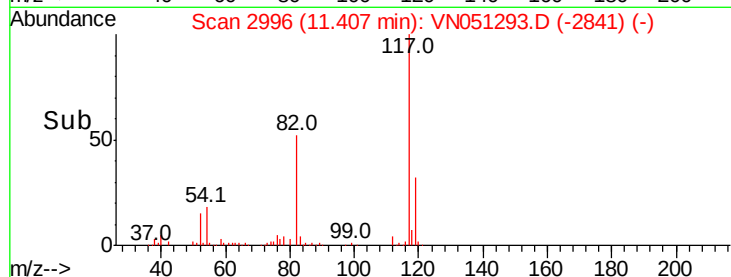
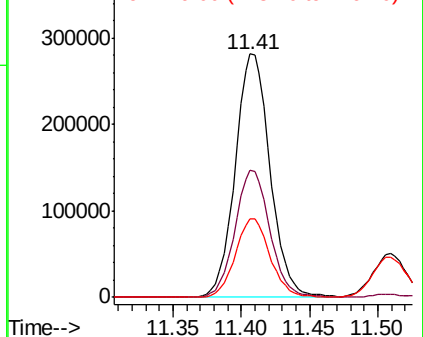
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.6	64.0
119	32.3	25.7	38.5

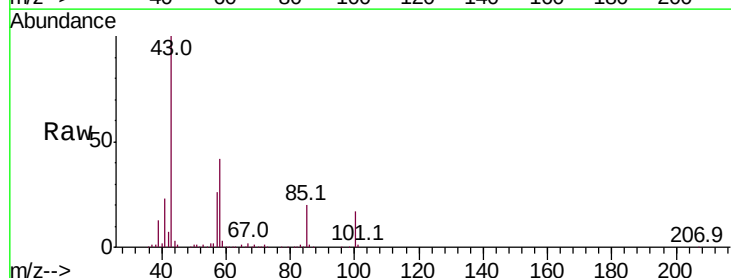


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

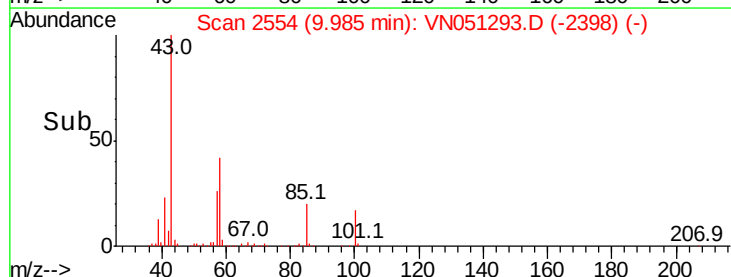
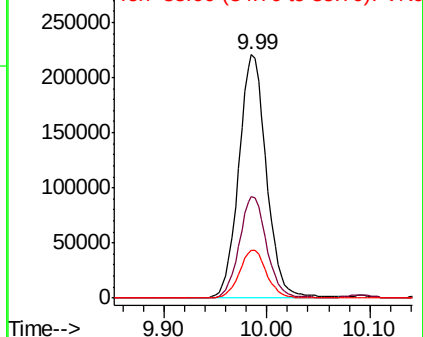


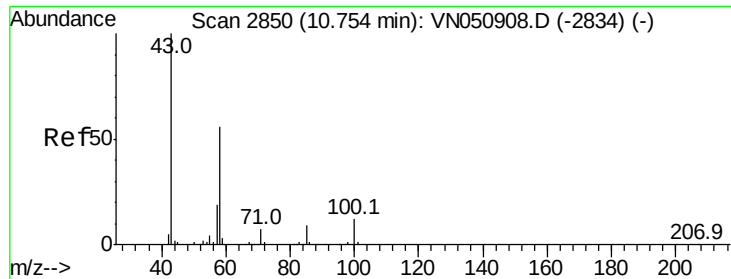
#58
4-Methyl-2-Pentanone
Concen: 71.741 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	32.3	48.5
85	19.6	14.9	22.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

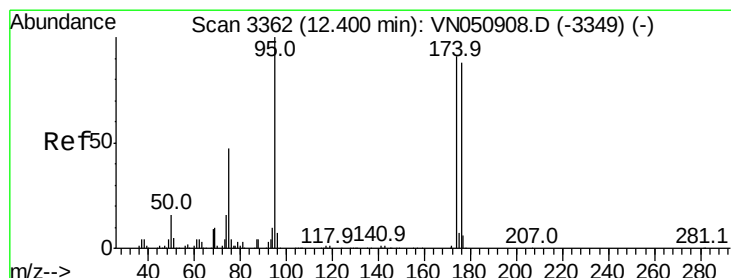
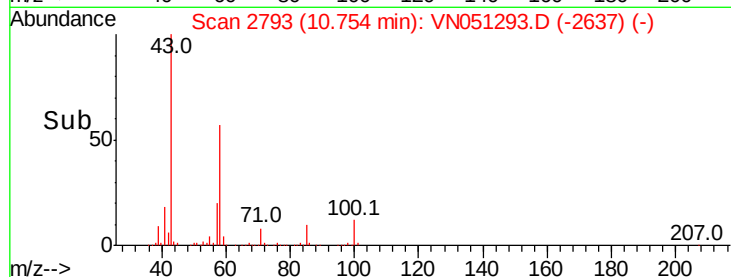
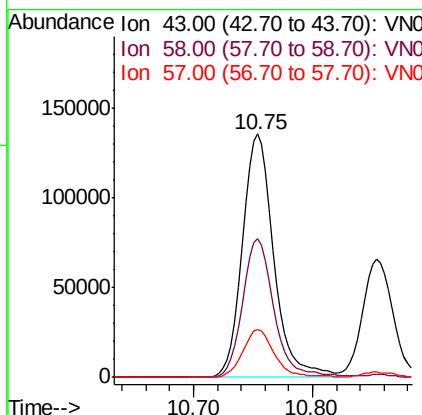
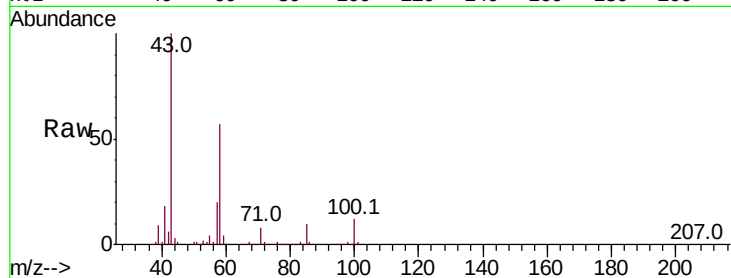




#59
2-Hexanone
Concen: 66.373 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

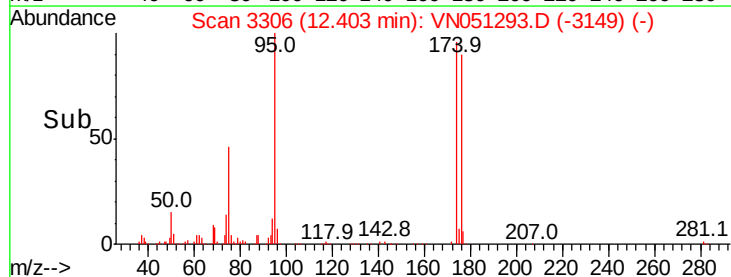
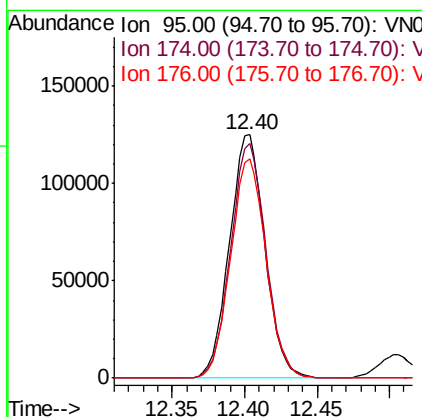
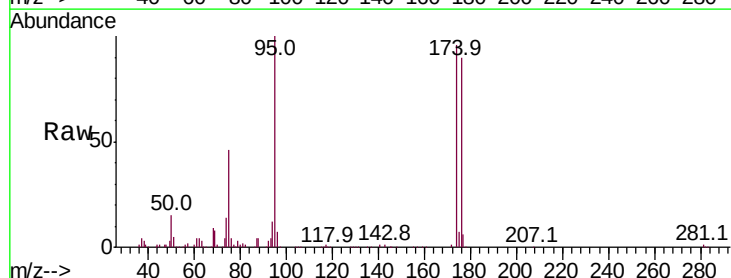
Instrument :
MSVOA_N
ClientSampled :

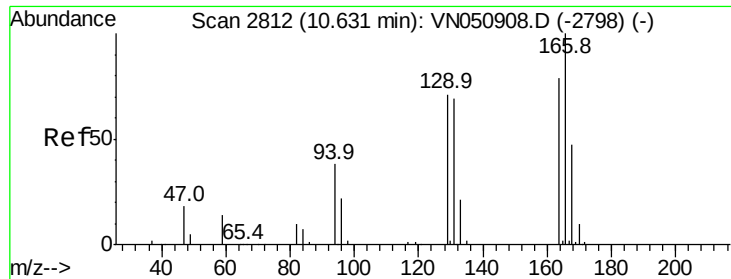
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	45.5	68.3
57	19.6	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 28.566 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	74.6	112.0
176	90.3	71.5	107.3





#61

Tetrachloroethene

Concen: 19.929 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 123880

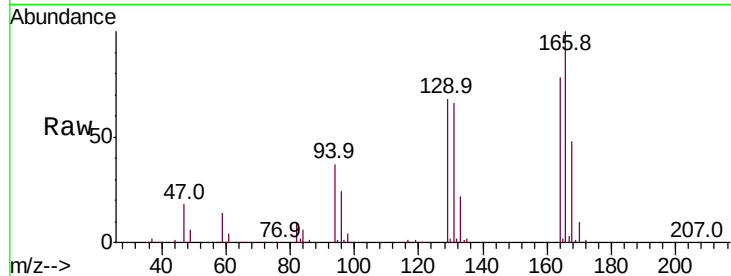
Ion Ratio Lower Upper

164 100

166 128.0 100.6 151.0

129 87.2 71.0 106.6

131 84.8 69.3 103.9

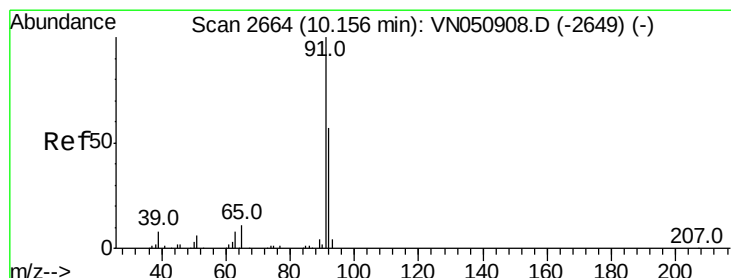
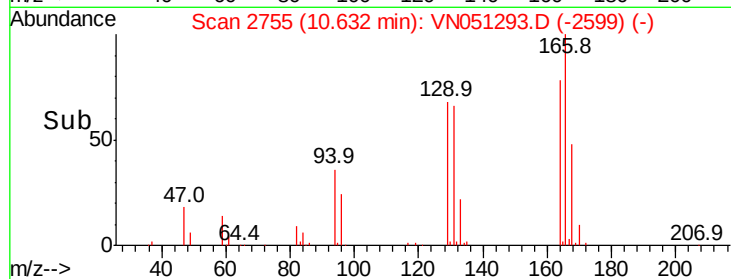
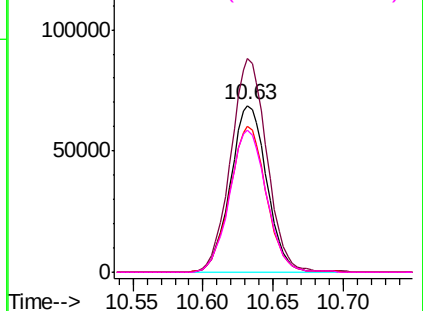


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.775 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051293.D

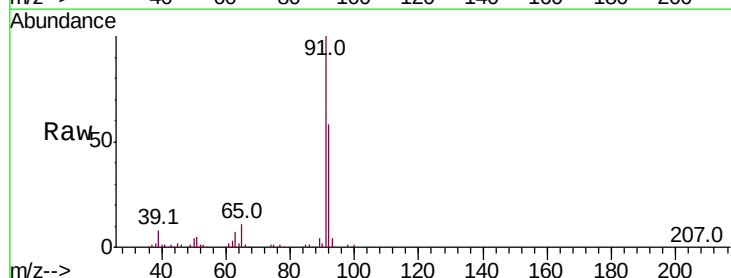
Acq: 18 Sep 2018 13:22

Tgt Ion: 91 Resp: 522509

Ion Ratio Lower Upper

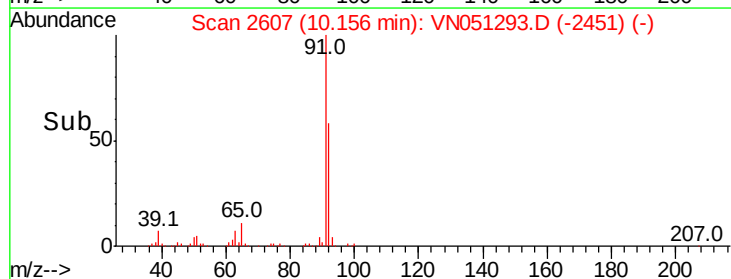
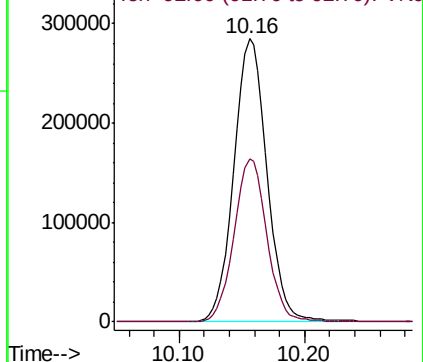
91 100

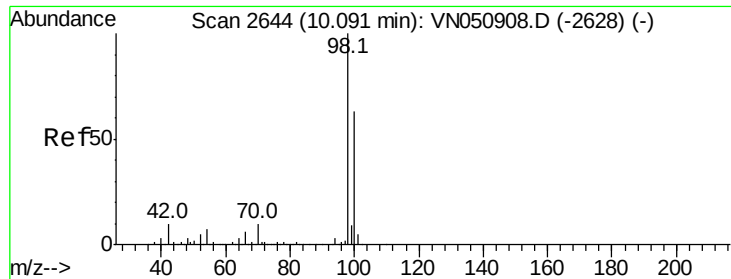
92 57.2 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.587 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

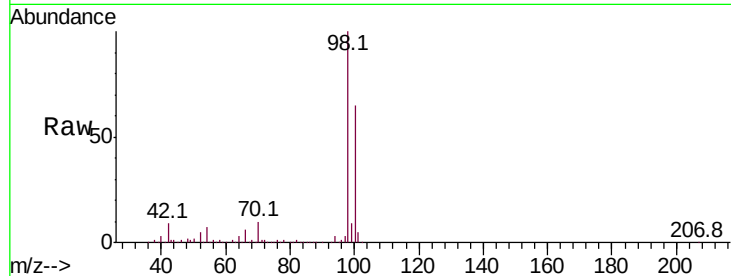
ClientSampleId :

Tot Ion: 98 Resp: 711536

Ion Ratio Lower Upper

98 100

100 64.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

400000

300000

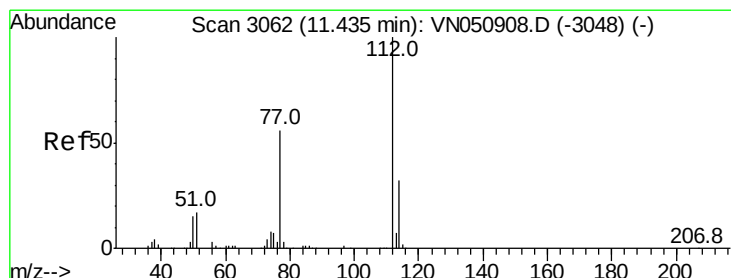
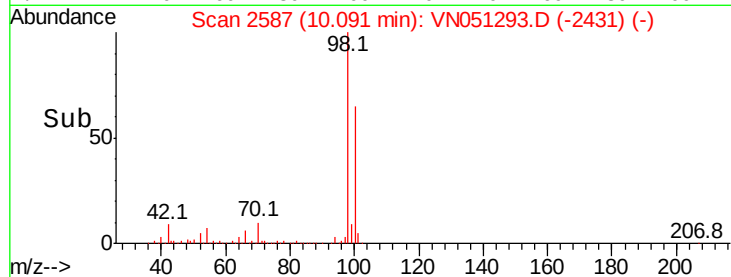
200000

100000

0

Time-->

10.00 10.10 10.20



#64

Chlorobenzene

Concen: 18.480 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051293.D

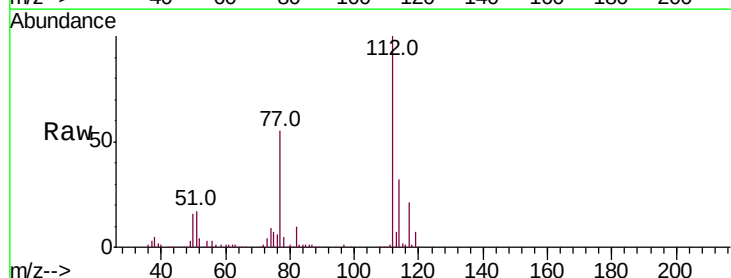
Acq: 18 Sep 2018 13:22

Tgt Ion: 112 Resp: 318738

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050908.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN050908.D (-3048) (-)

11.43

200000

150000

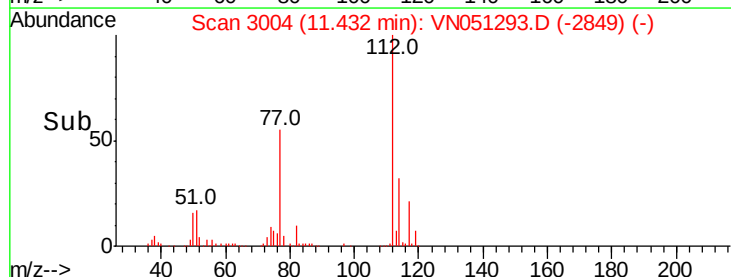
100000

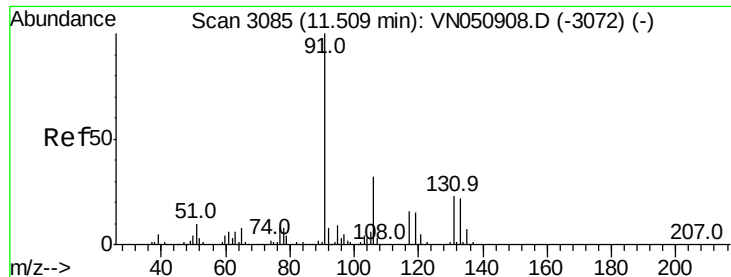
50000

0

Time-->

11.40 11.50





#65

1,1,1,2-Tetrachloroethane

Concen: 19.154 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

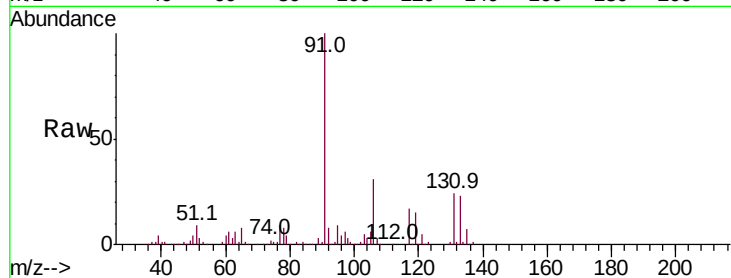
Tot Ion:131 Resp: 124733

Ion Ratio Lower Upper

131 100

133 96.2 0.0 189.4

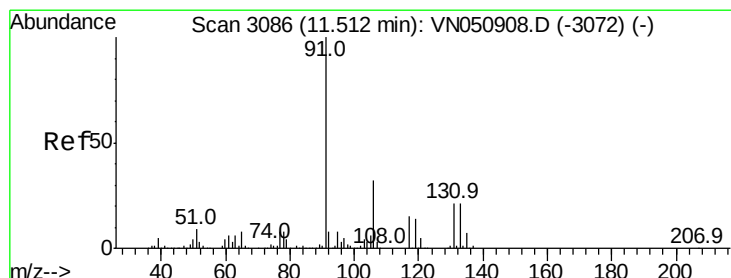
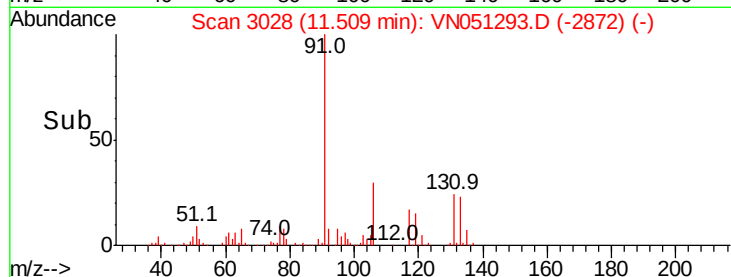
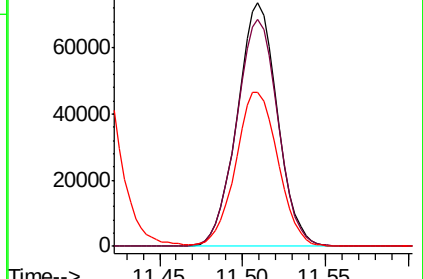
119 66.5 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.883 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051293.D

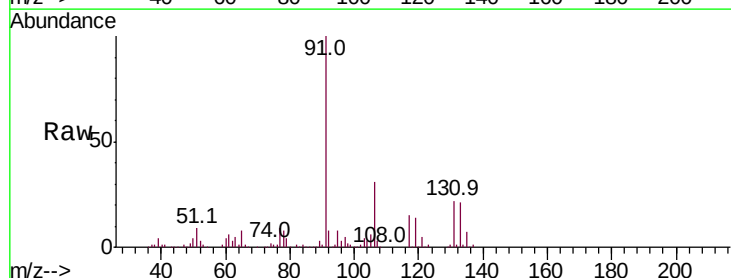
Acq: 18 Sep 2018 13:22

Tgt Ion: 91 Resp: 515512

Ion Ratio Lower Upper

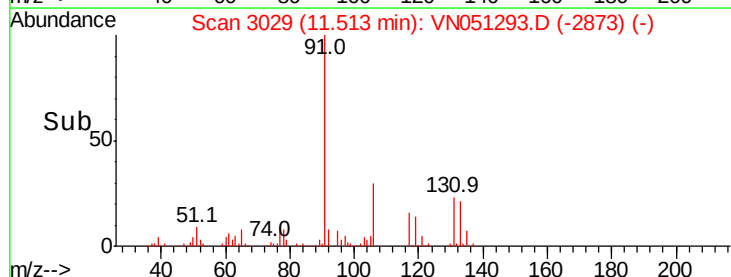
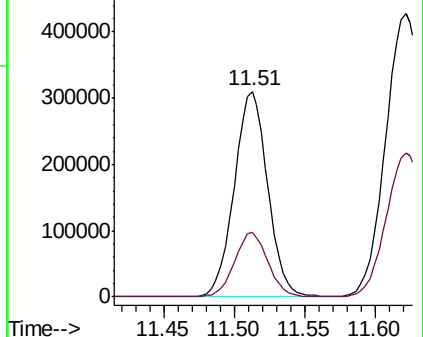
91 100

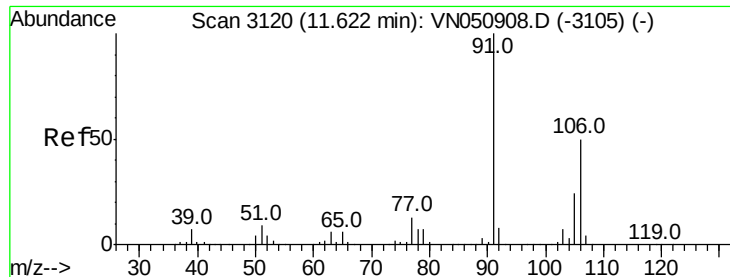
106 31.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

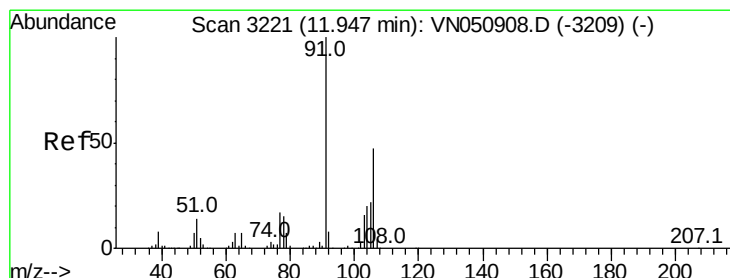
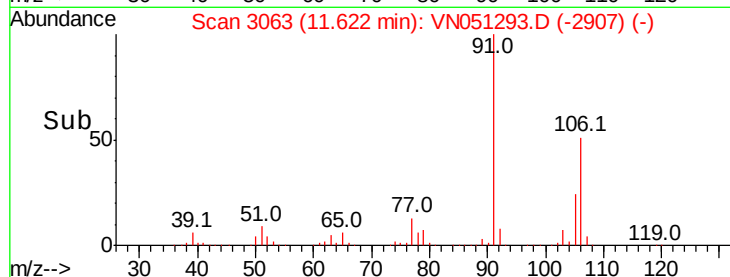
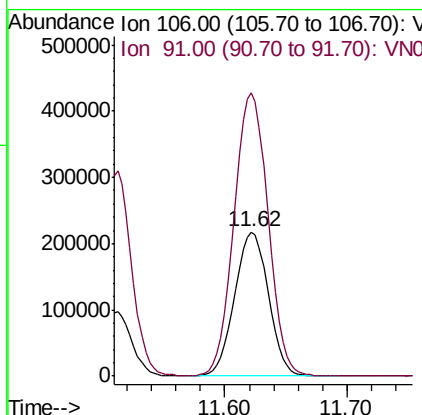
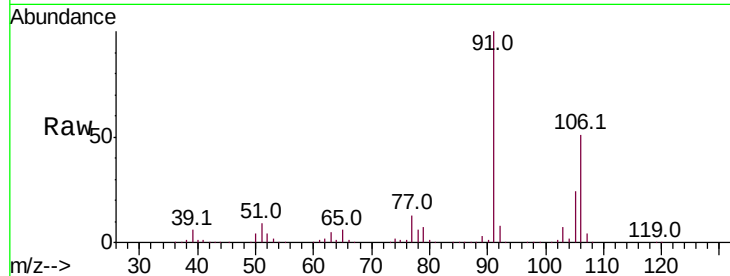




#67
m/p-Xylenes
Concen: 37.683 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

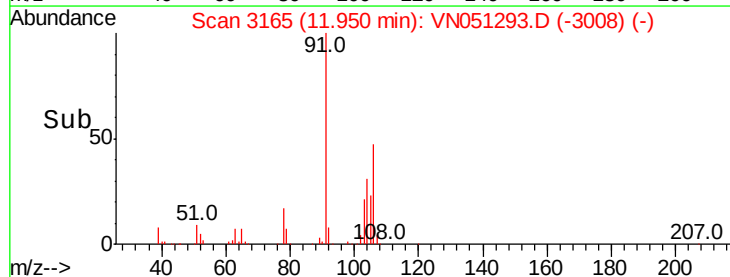
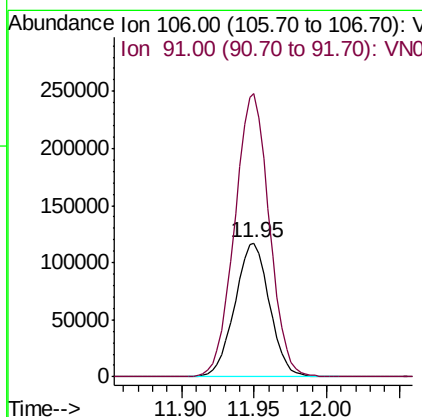
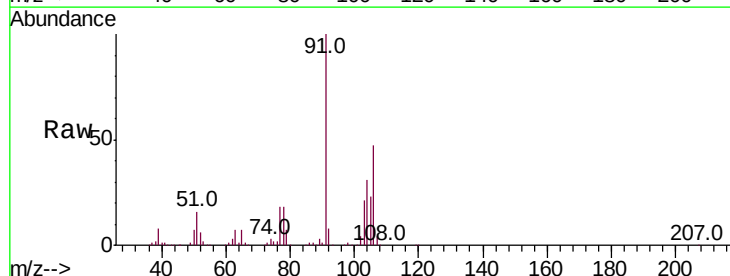
Instrument :
MSVOA_N
ClientSampled :

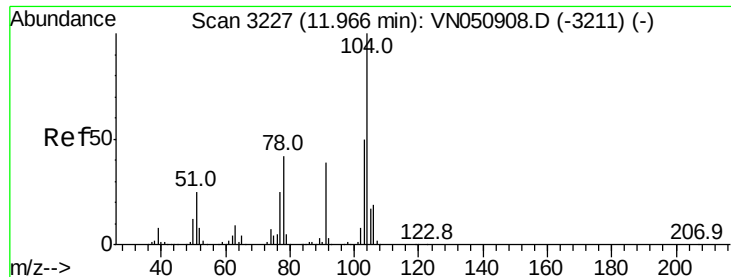
Tot Ion:106 Resp: 417955
Ion Ratio Lower Upper
106 100
91 197.5 160.6 241.0



#68
o-Xylene
Concen: 18.386 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion:106 Resp: 194856
Ion Ratio Lower Upper
106 100
91 211.4 106.4 319.2





#69

Stvrene

Concen: 17.853 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

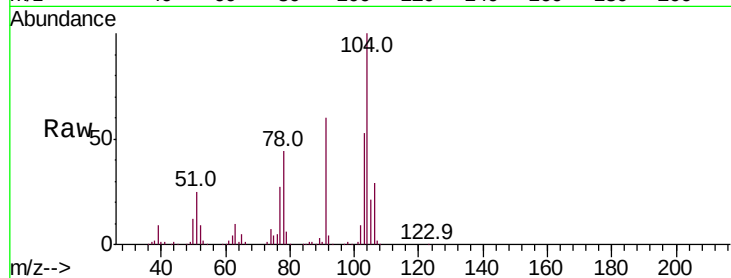
Tot Ion:104 Resp: 300816

Ion Ratio Lower Upper

104 100

78 48.4 38.6 58.0

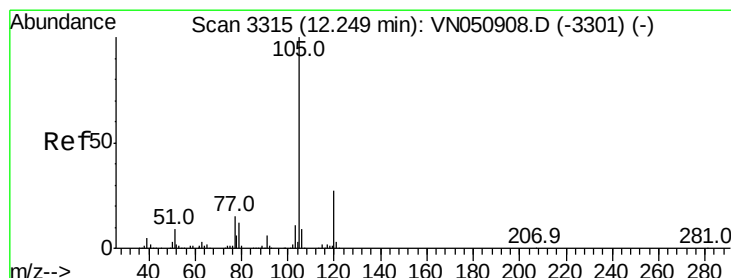
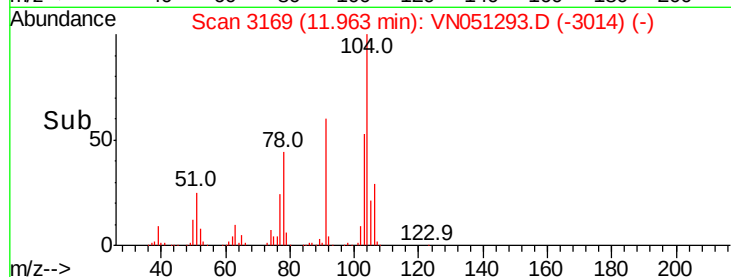
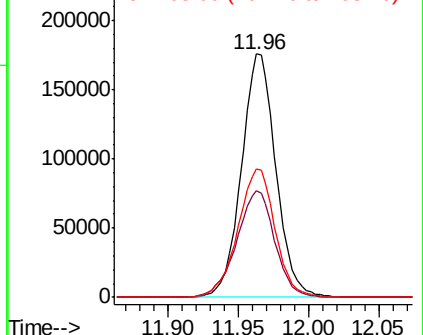
103 57.2 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.393 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051293.D

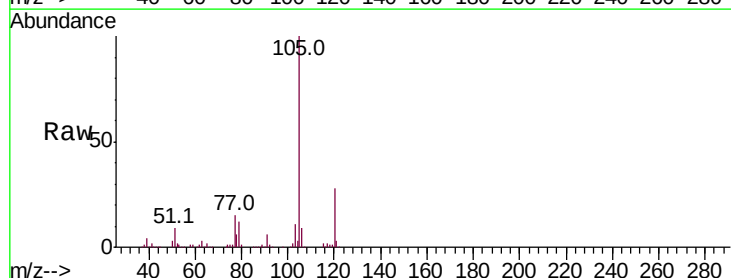
Acq: 18 Sep 2018 13:22

Tgt Ion:105 Resp: 517959

Ion Ratio Lower Upper

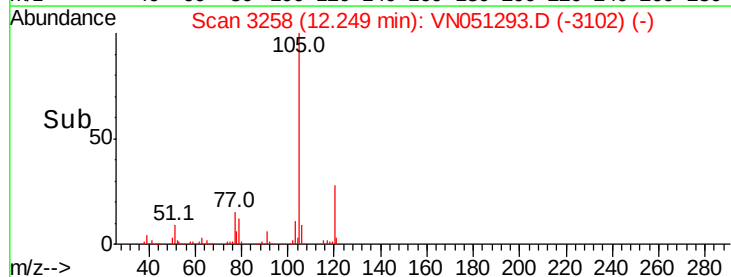
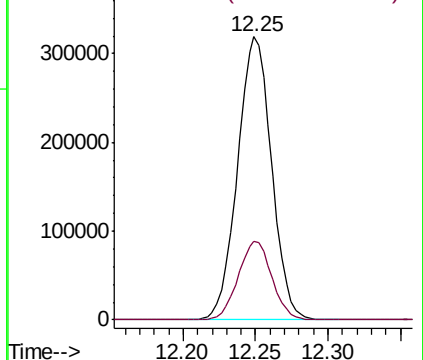
105 100

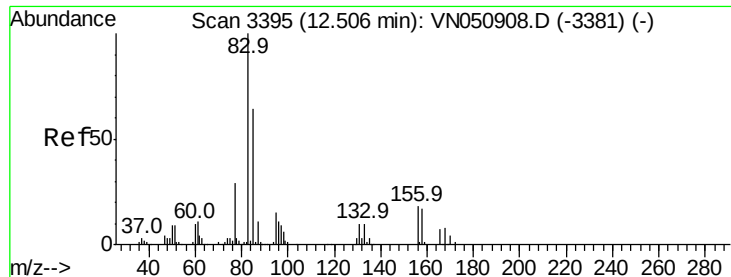
120 27.5 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

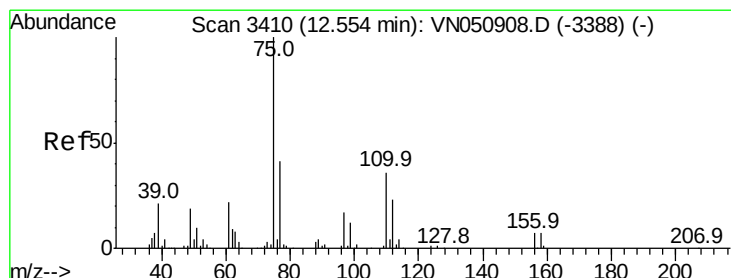
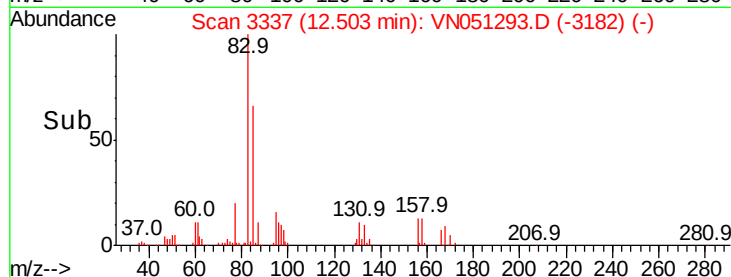
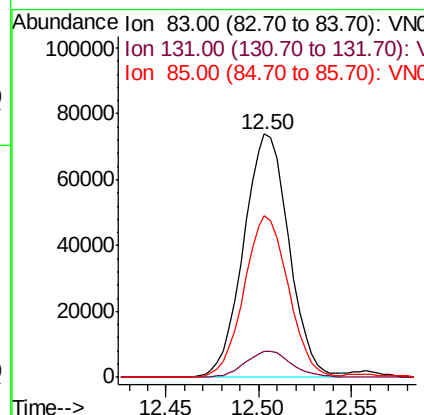
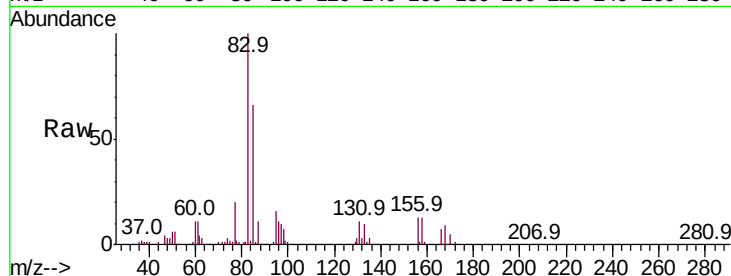




#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.529 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

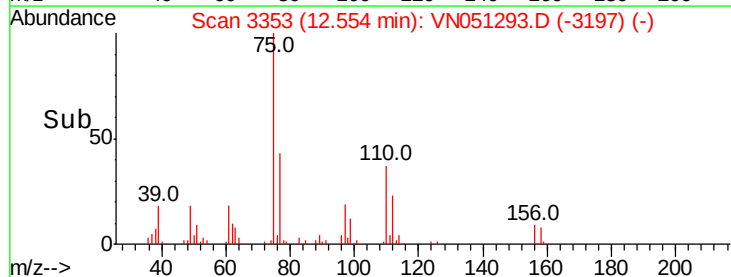
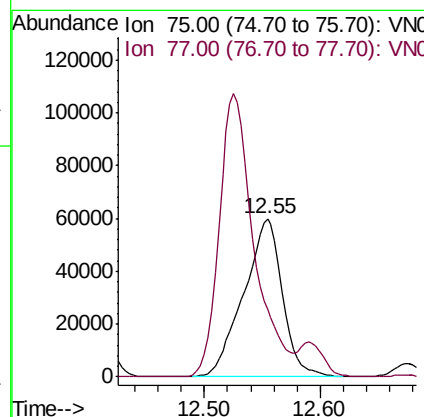
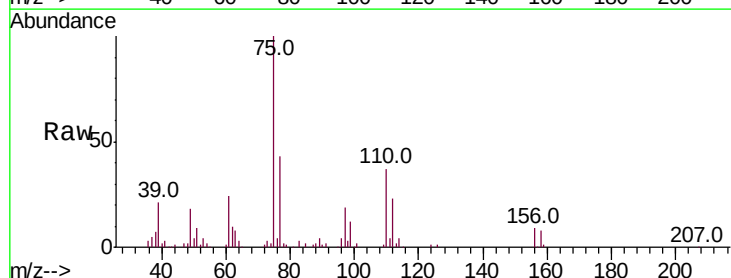
Instrument :
 MSVOA_N
 ClientSampleId :

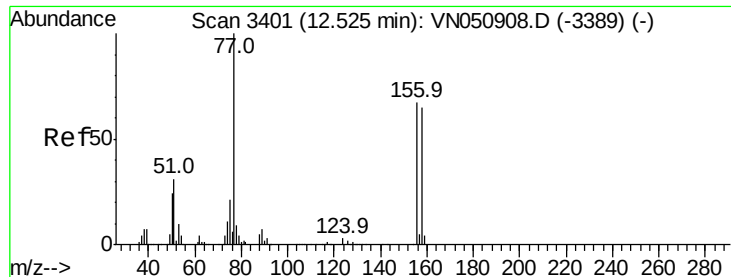
Tot Ion	83	Resp	126032
Ion Ratio	100	Lower	Upper
83	100		
131	10.9	5.3	15.9
85	64.9	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 21.281 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	75	Resp	139988
Ion Ratio	100	Lower	Upper
75	100		
77	159.9	0.0	301.6





#73

Bromobenzene

Concen: 18.140 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

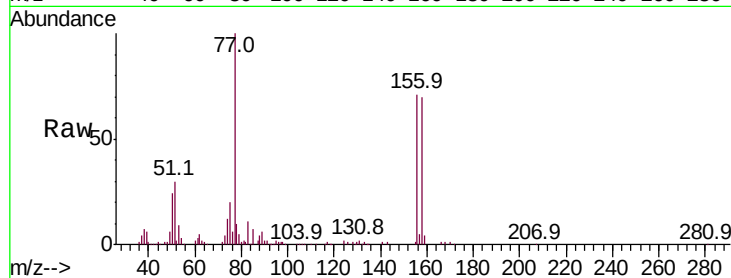
Tot Ion:156 Resp: 134406

Ion Ratio Lower Upper

156 100

77 166.6 0.0 359.4

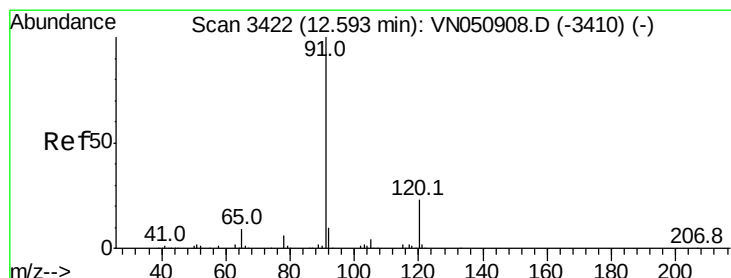
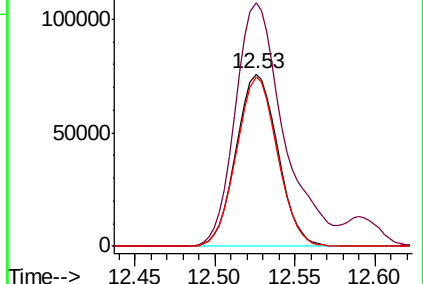
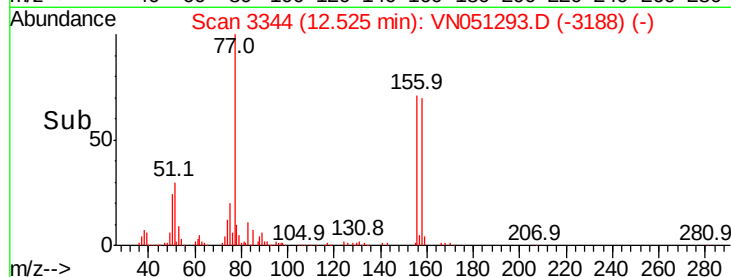
158 96.9 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.429 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051293.D

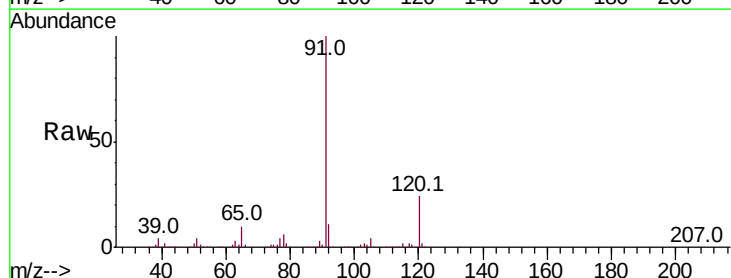
Acq: 18 Sep 2018 13:22

Tgt Ion: 91 Resp: 554924

Ion Ratio Lower Upper

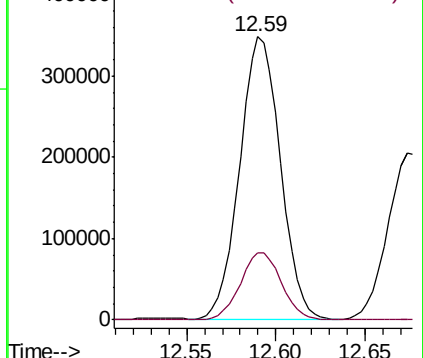
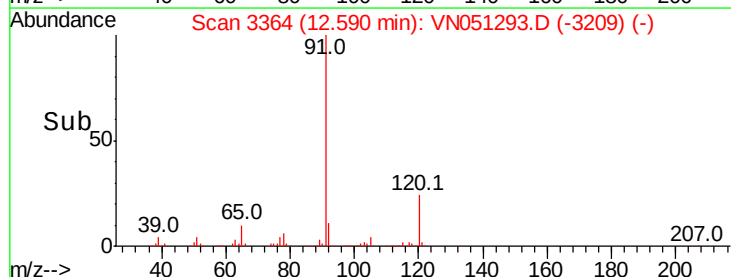
91 100

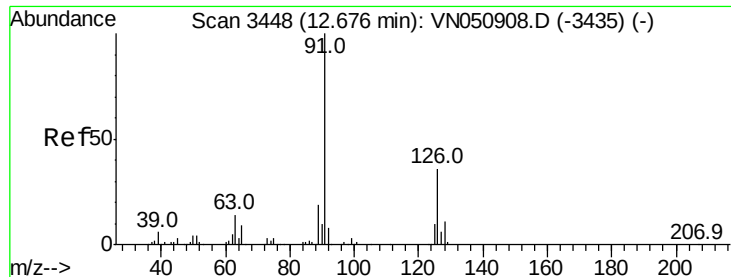
120 23.8 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.794 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

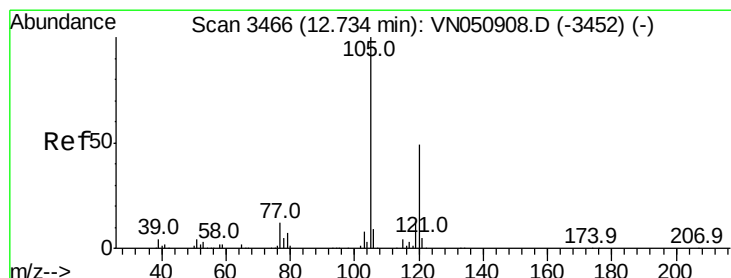
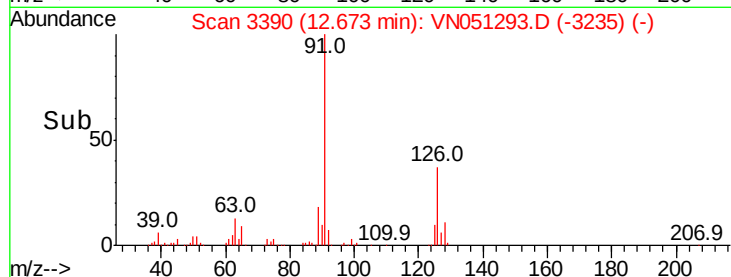
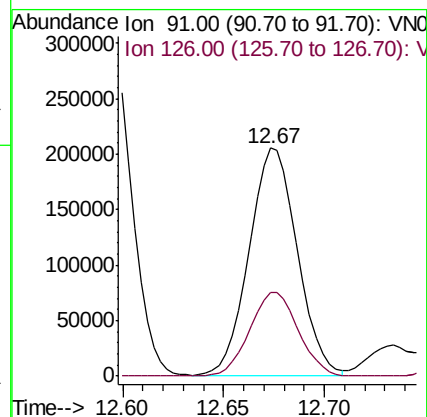
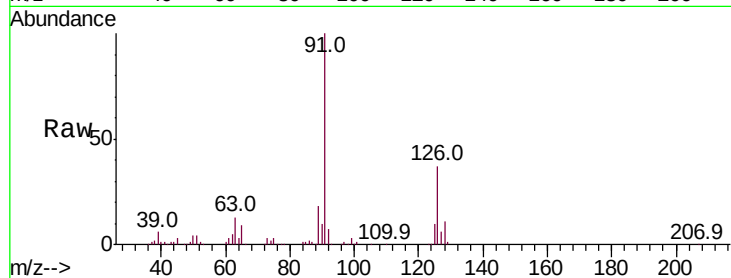
ClientSampled :

Tot Ion: 91 Resp: 344172

Ion Ratio Lower Upper

91 100

126 37.0 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 18.447 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051293.D

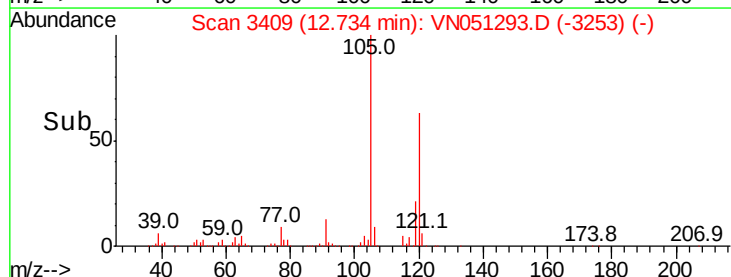
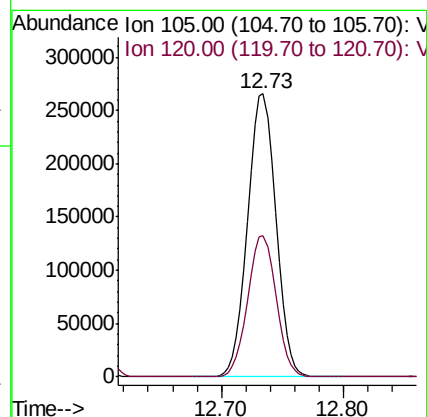
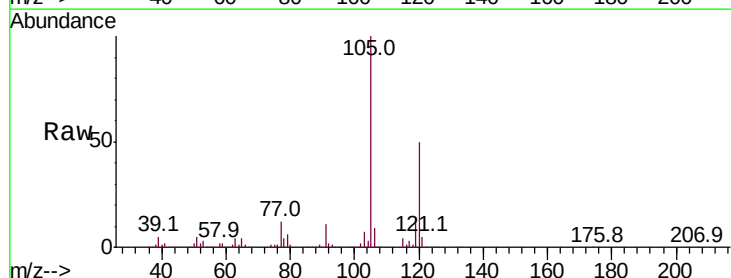
Acq: 18 Sep 2018 13:22

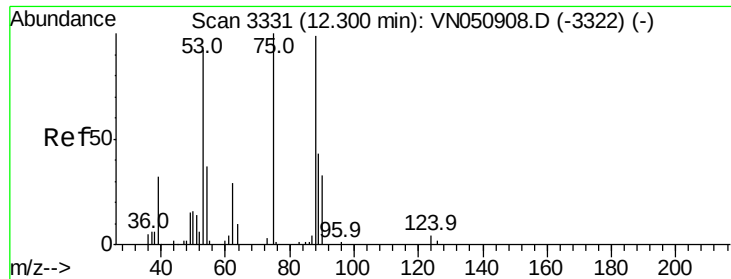
Tgt Ion:105 Resp: 424528

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.6

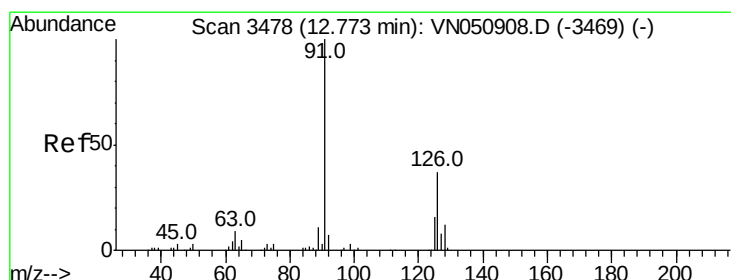
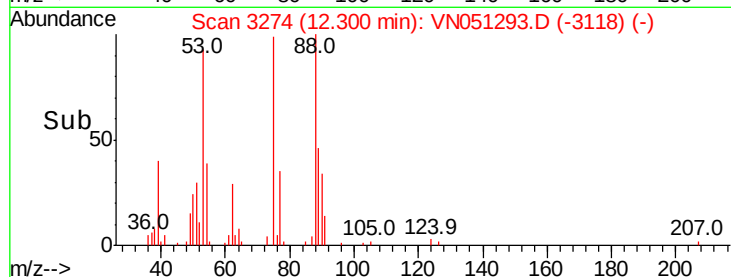
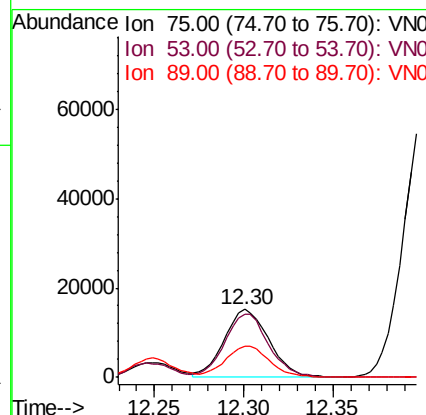
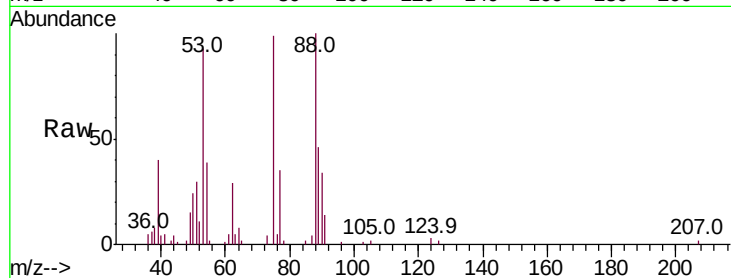




#77
t-1,4-Dichloro-2-butene
Concen: 14.126 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

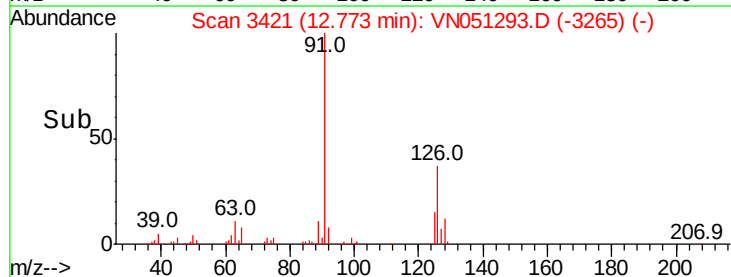
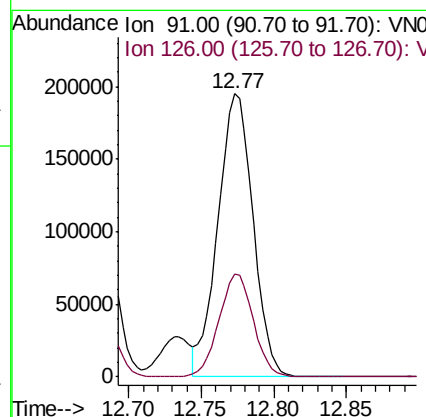
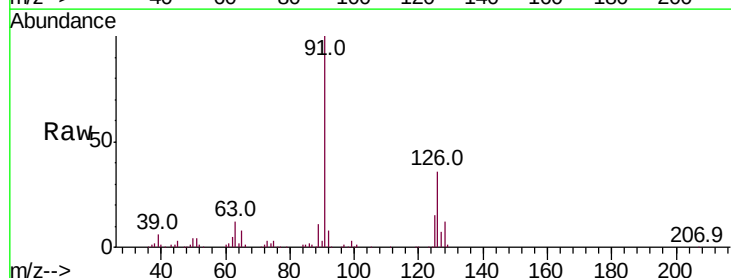
Instrument :
MSVOA_N
ClientSampleId :

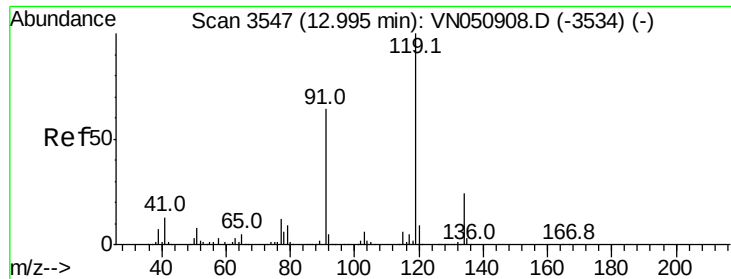
Tot Ion: 75 Resp: 26473
Ion Ratio Lower Upper
75 100
53 93.9 45.5 136.4
89 46.2 21.9 65.8



#78
4-Chlorotoluene
Concen: 17.141 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 91 Resp: 326461
Ion Ratio Lower Upper
91 100
126 35.7 0.0 69.8





#79

tert-butylbenzene

Concen: 18.019 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

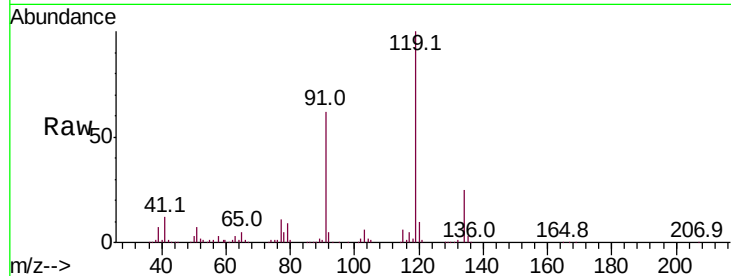
Tot Ion:119 Resp: 360140

Ion Ratio Lower Upper

119 100

91 63.0 0.0 125.6

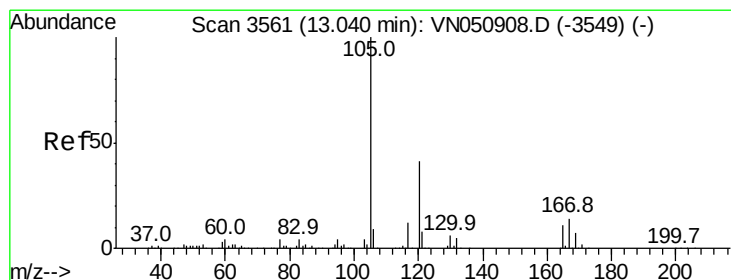
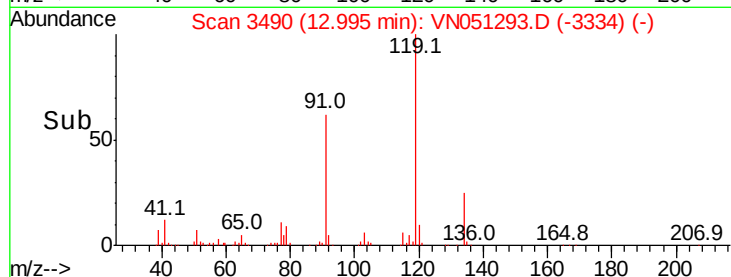
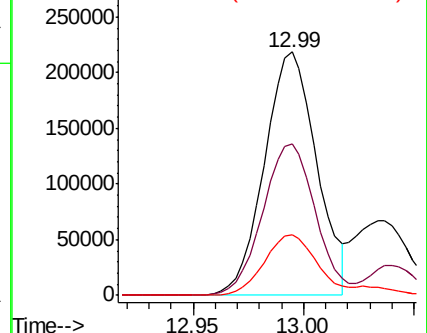
134 25.0 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.178 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051293.D

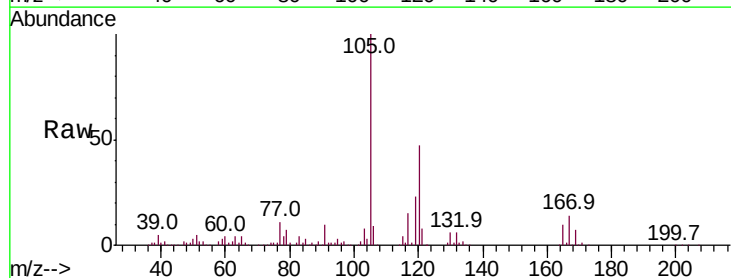
Acq: 18 Sep 2018 13:22

Tgt Ion:105 Resp: 417081

Ion Ratio Lower Upper

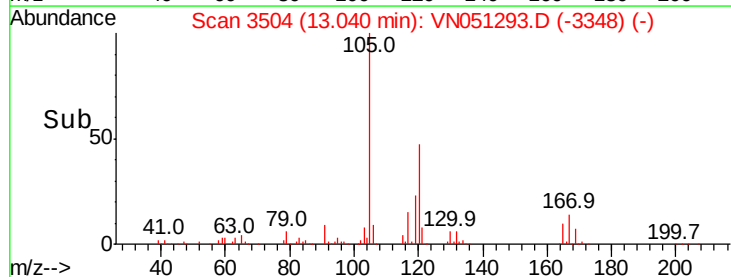
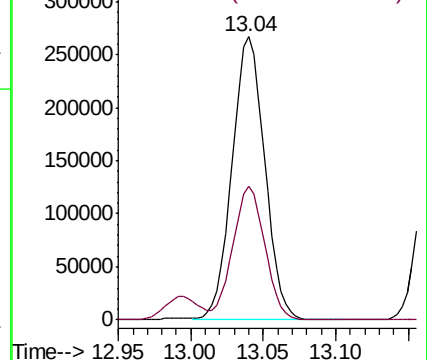
105 100

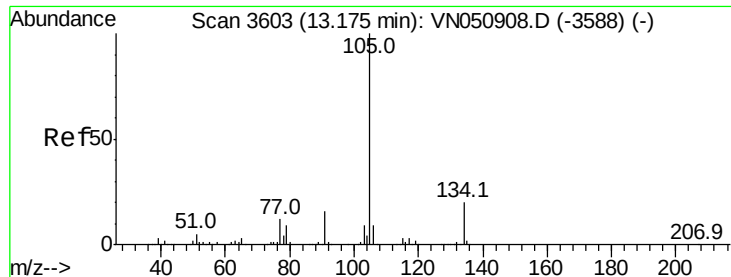
120 46.7 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

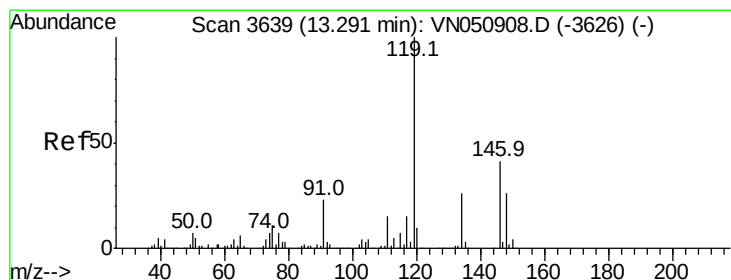
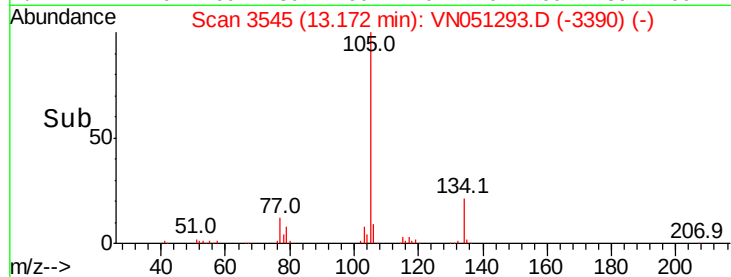
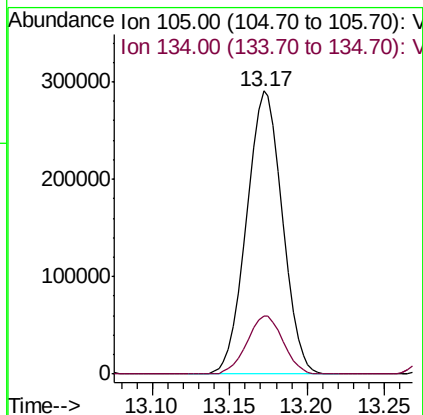
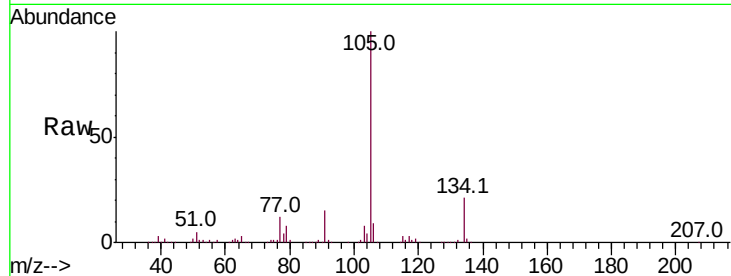




#81
 sec-Butylbenzene
 Concen: 17.884 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

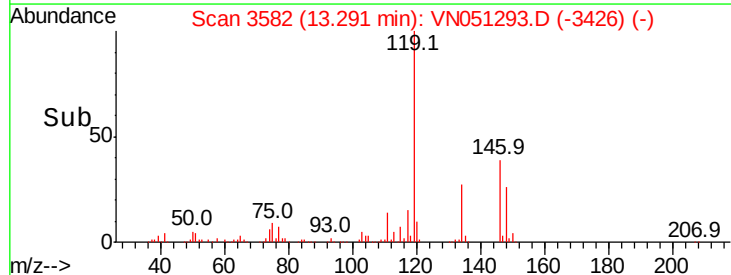
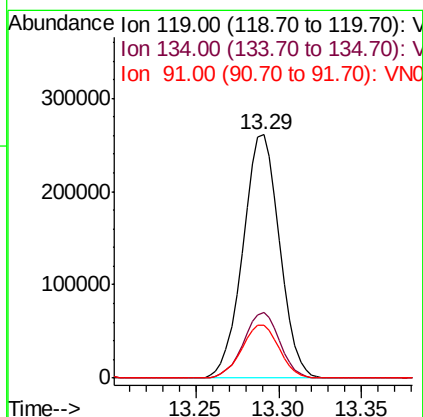
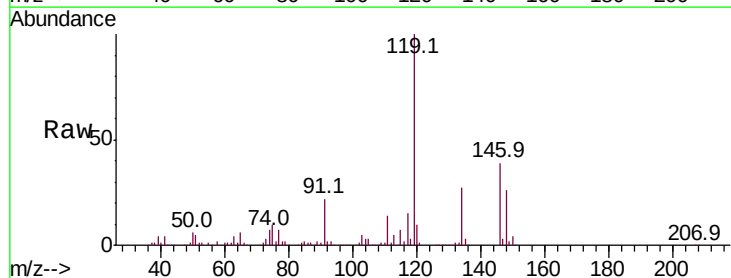
Instrument :
 MSVOA_N
 ClientSampleId :

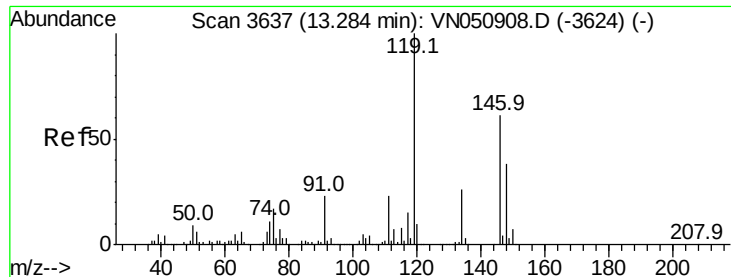
Tot Ion:105 Resp: 467678
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 17.713 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion:119 Resp: 399810
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.2
 91 22.5 0.0 46.0

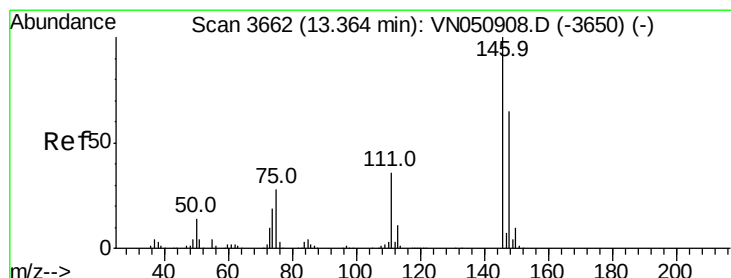
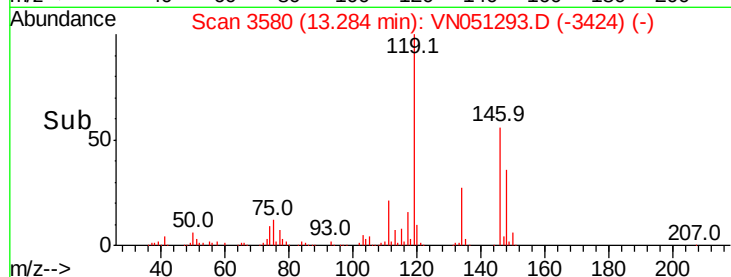
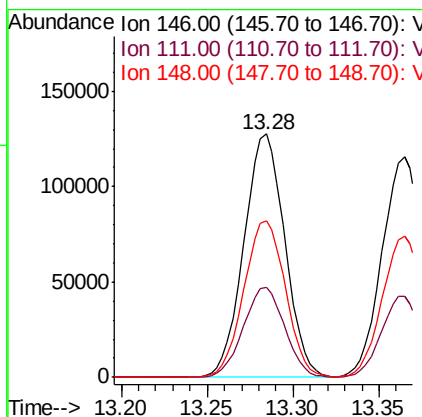
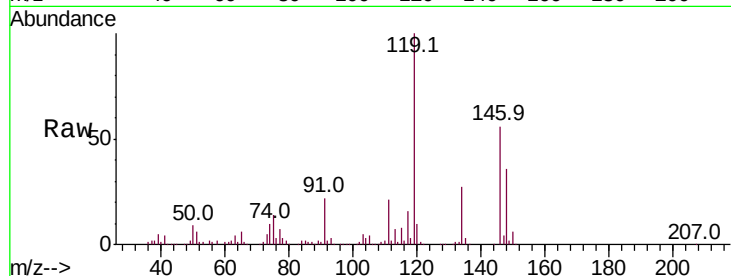




#83
 1,3-Dichlorobenzene
 Concen: 16.812 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

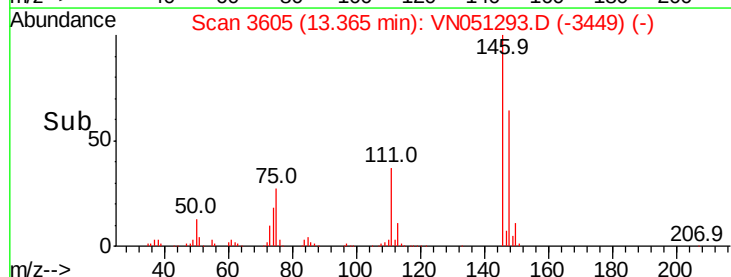
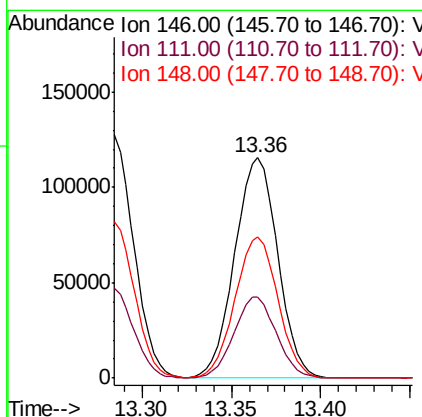
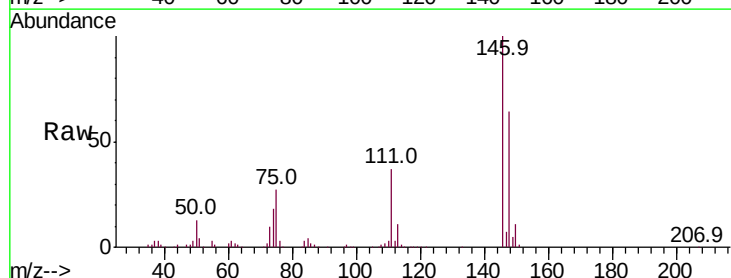
Instrument :
 MSVOA_N
 ClientSampleId :

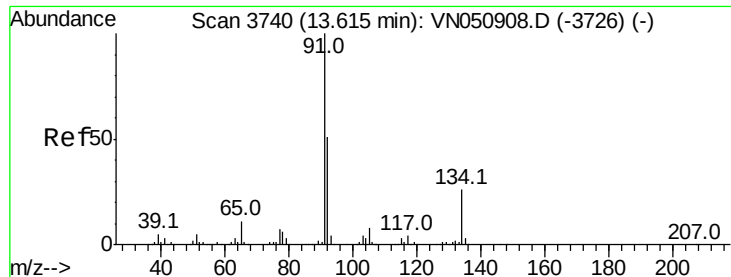
Tot Ion:146 Resp: 210605
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.6
 148 65.5 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 16.386 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion:146 Resp: 194486
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.7 53.1
 148 63.9 31.6 94.8





#85

n-Butylbenzene

Concen: 15.137 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

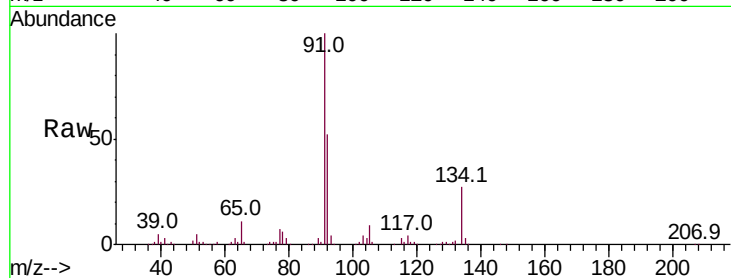
Tot Ion: 91 Resp: 260695

Ion Ratio Lower Upper

91 100

92 51.1 0.0 101.8

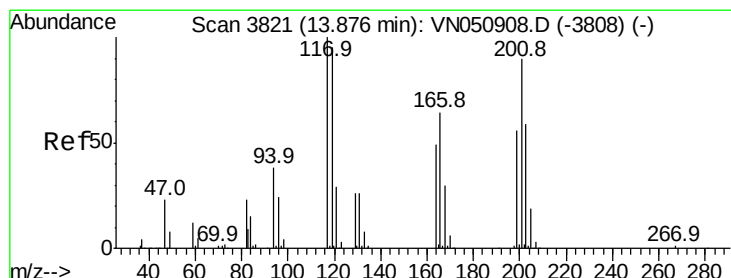
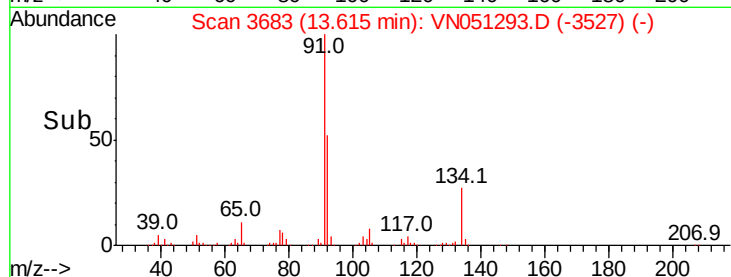
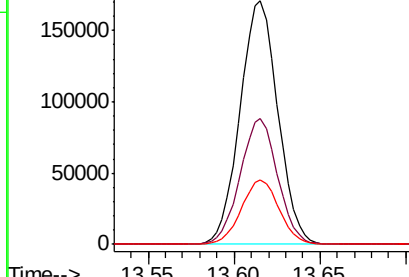
134 26.3 0.0 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050908.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050908.D (-3726) (-)



#86

Hexachloroethane

Concen: 18.203 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051293.D

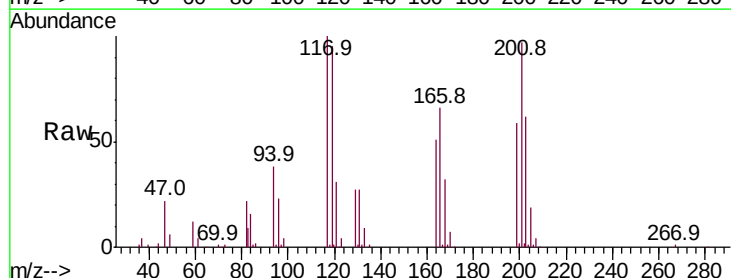
Acq: 18 Sep 2018 13:22

Tgt Ion: 117 Resp: 78863

Ion Ratio Lower Upper

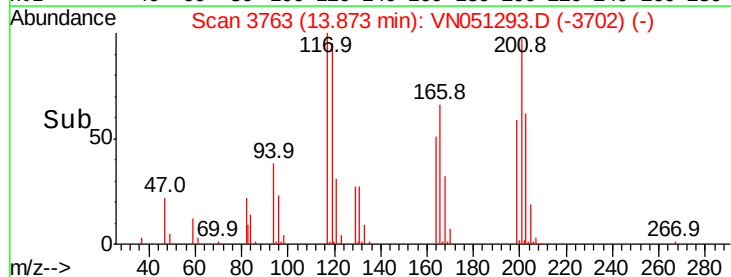
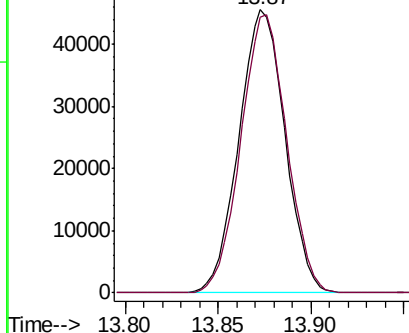
117 100

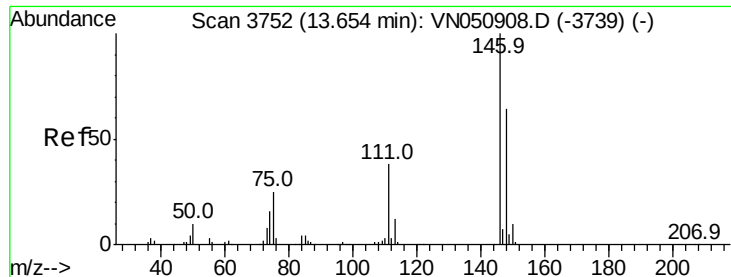
201 97.7 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN050908.D (-3808) (-)

Ion 201.00 (200.70 to 201.70): VN050908.D (-3808) (-)





#87

1,2-Dichlorobenzene

Concen: 17.049 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

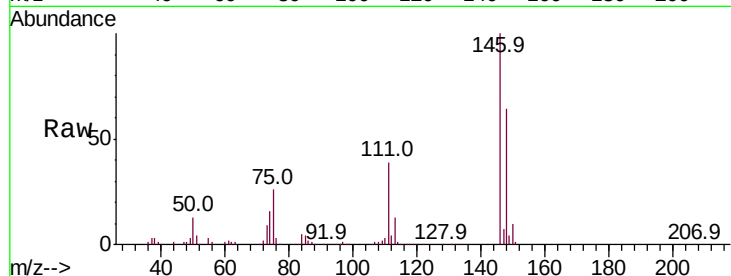
Tot Ion:146 Resp: 210223

Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.1

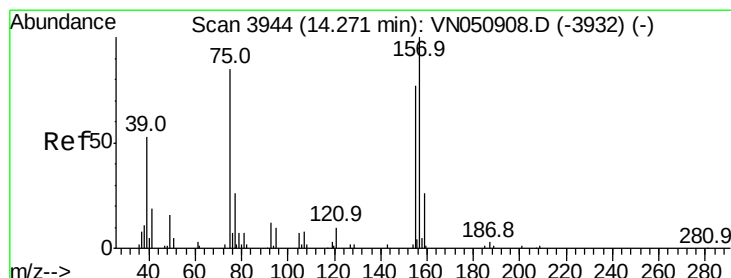
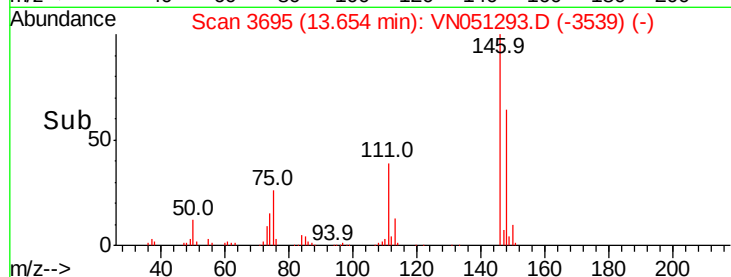
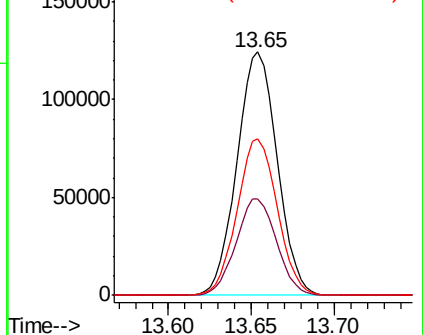
148 64.1 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 15.318 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

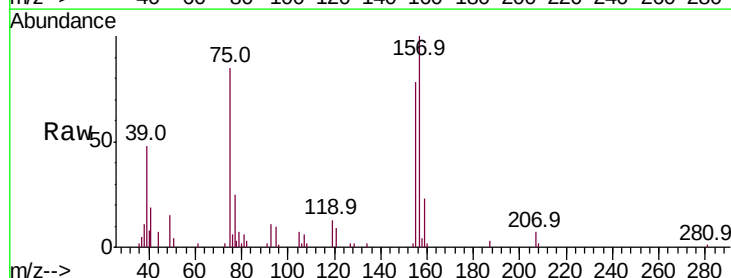
Tgt Ion: 75 Resp: 16340

Ion Ratio Lower Upper

75 100

155 91.4 71.8 107.6

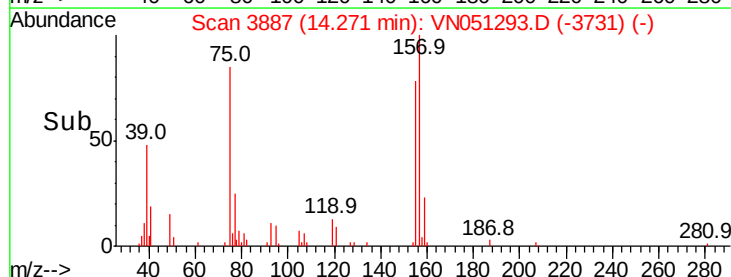
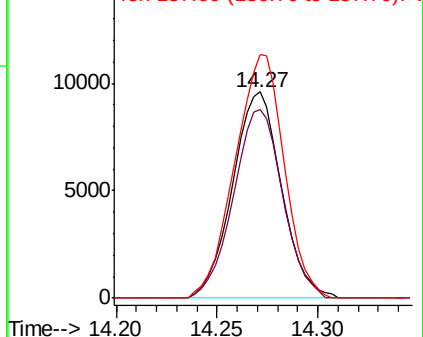
157 118.8 91.1 136.7

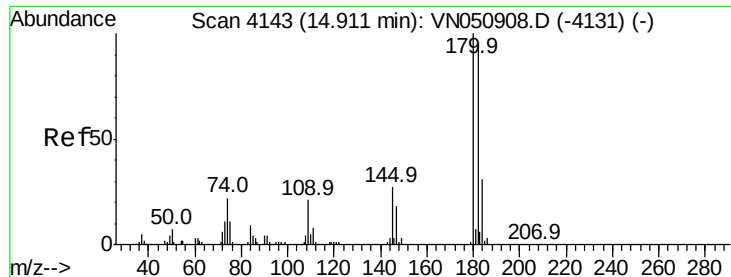


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

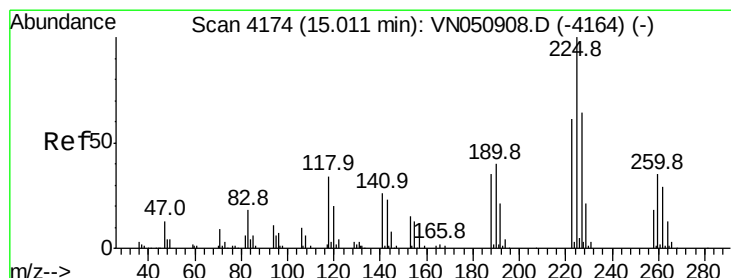
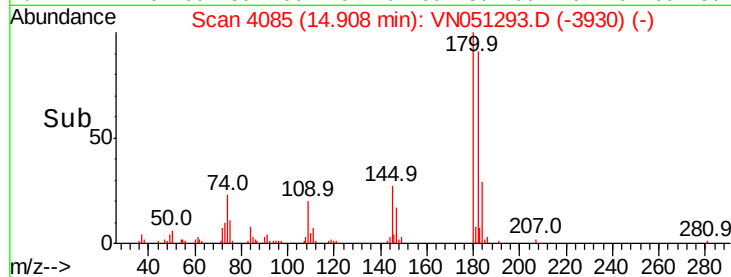
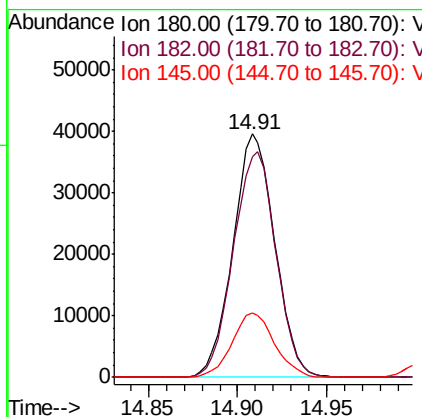
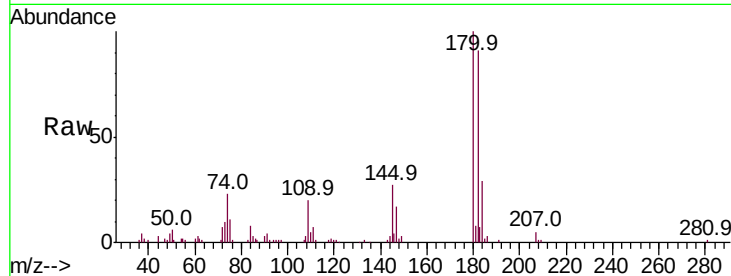




#89
 1,2,4-Trichlorobenzene
 Concen: 11.818 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

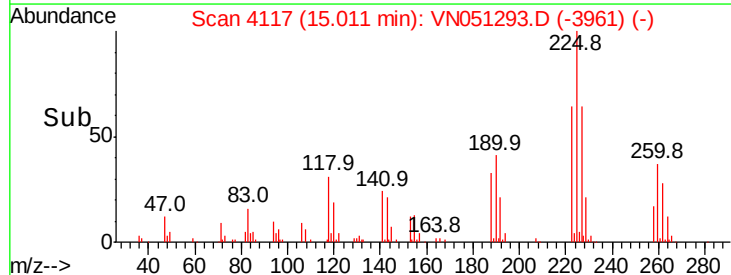
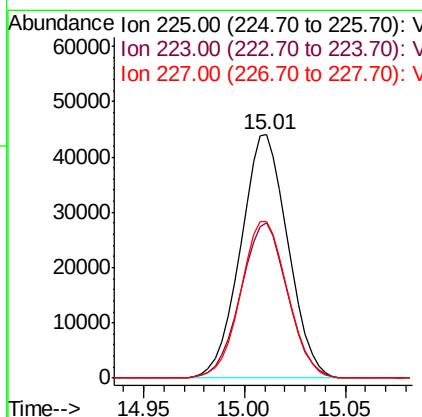
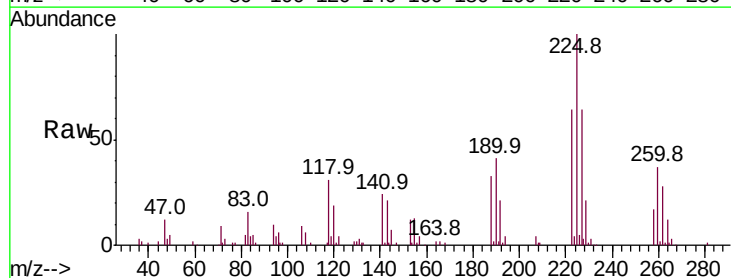
Instrument :
 MSVOA_N
 ClientSampled :

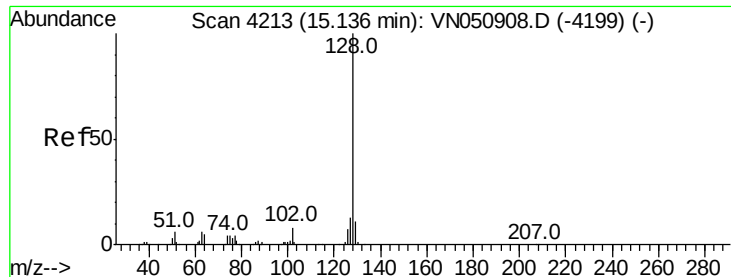
Tot Ion:180 Resp: 64871
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 145 26.9 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 19.363 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion:225 Resp: 72212
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 127.8
 227 63.9 0.0 128.4





#91

Naphthalene

Concen: 15.152 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

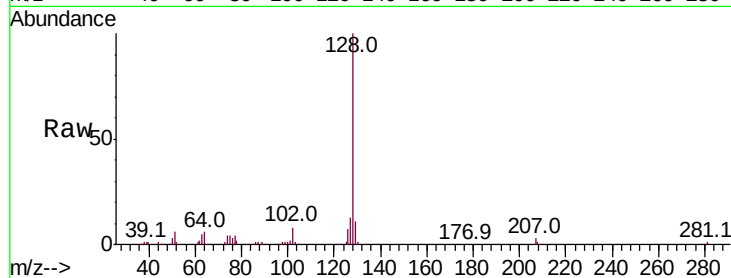
Tot Ion:128 Resp: 112803

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

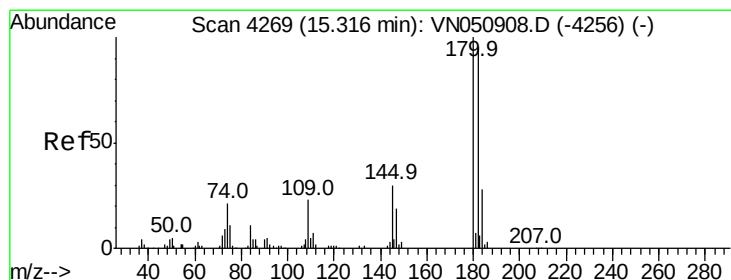
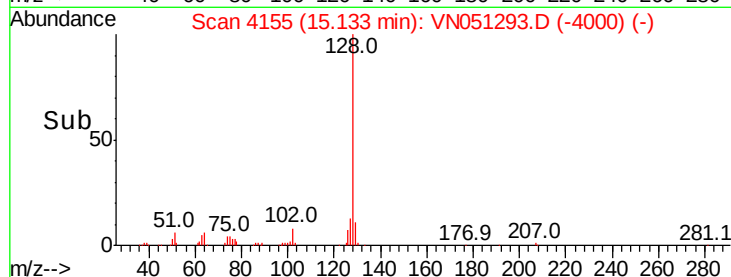
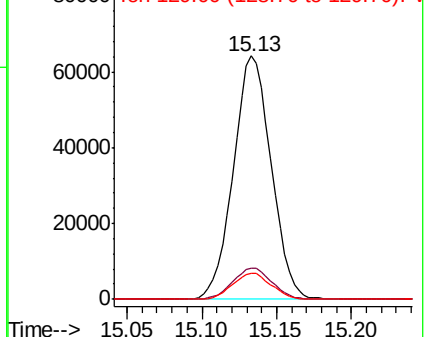
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.133 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

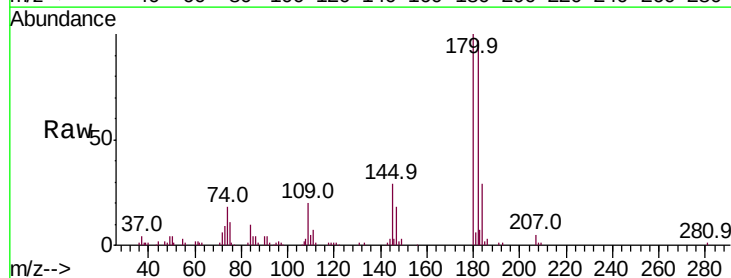
Tgt Ion:180 Resp: 72341

Ion Ratio Lower Upper

180 100

182 97.8 0.0 192.8

145 30.4 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

