

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091818\
 Data File : VN051296.D
 Acq On : 18 Sep 2018 14:36
 Operator : MD\SY
 Sample : VN0918WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 15:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	533415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	737298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	290899	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	7.59	113	285064	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.09	98	1039704	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	313050	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	99343	19.204	ug/l	99
3) Chloromethane	2.06	50	127698	18.745	ug/l	100
4) Vinyl Chloride	2.18	62	133399	19.102	ug/l	99
5) Bromomethane	2.57	94	80476	19.824	ug/l	94
6) Chloroethane	2.70	64	80068	19.218	ug/l	99
7) Trichlorofluoromethane	3.01	101	185341	19.366	ug/l	99
8) Diethyl Ether	3.41	74	62264	19.881	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	113958	19.056	ug/l	99
10) Methyl Iodide	3.95	142	97215	20.279	ug/l	99
11) Tert butyl alcohol	4.80	59	34213	107.173	ug/l	100
12) 1,1-Dichloroethene	3.74	96	102147	18.911	ug/l	96
13) Acrolein	3.61	56	40403	90.118	ug/l	99
14) Allyl chloride	4.33	41	148557	18.632	ug/l	98
15) Acrylonitrile	5.00	53	172390	103.218	ug/l	99
16) Acetone	3.82	43	121902	89.819	ug/l	98
17) Carbon Disulfide	4.05	76	309910	18.608	ug/l	99
18) Methyl Acetate	4.33	43	80077	19.876	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	268525	20.744	ug/l	99
20) Methylene Chloride	4.55	84	120325	18.964	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	111224	18.784	ug/l	94
22) Diisopropyl ether	5.96	45	321943	20.846	ug/l	99
23) Vinyl Acetate	5.90	43	1014176	101.349	ug/l	100
24) 1,1-Dichloroethane	5.85	63	201414	19.507	ug/l	100
25) 2-Butanone	6.84	43	182286	98.159	ug/l	96
26) 2,2-Dichloropropane	6.83	77	153792	18.315	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	122436	19.356	ug/l	98
28) Bromochloromethane	7.20	49	91567	20.137	ug/l	98
29) Tetrahydrofuran	7.22	42	125316	109.144	ug/l	99
30) Chloroform	7.37	83	207797	19.705	ug/l	99
31) Cyclohexane	7.66	56	174931	18.668	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	179284	19.812	ug/l	100
36) 1,1-Dichloropropene	7.80	75	155473	19.480	ug/l	100
37) Ethyl Acetate	6.94	43	85479	20.833	ug/l	100
38) Carbon Tetrachloride	7.78	117	160646	19.303	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	162252	18.715	ug/l	99
40) Benzene	8.05	78	470394	19.809	ug/l	99
41) Methacrylonitrile	7.18	41	41982	19.940	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	140749	20.158	ug/l	100
43) Isopropyl Acetate	8.17	43	151914	21.398	ug/l #	89
44) Trichloroethene	8.84	130	128570	19.260	ug/l	98
45) 1,2-Dichloropropane	9.12	63	123081	20.444	ug/l	97
46) Dibromomethane	9.21	93	73366	20.005	ug/l	99
47) Bromodichloromethane	9.40	83	156033	19.962	ug/l	100
48) Methyl methacrylate	9.20	41	70956	20.753	ug/l	98
49) 1,4-Dioxane	9.20	88	19361	391.394	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	400231	109.256	ug/l	100
52) Toluene	10.16	92	289971	20.399	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	141398	19.251	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	170491	19.434	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	104543	20.567	ug/l	99
56) Ethyl methacrylate	10.43	69	114997	19.114	ug/l	99
57) 1,3-Dichloropropane	10.71	76	170421	20.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	248637	92.071	ug/l	98
59) 2-Hexanone	10.75	43	242477	100.533	ug/l	99
60) Dibromochloromethane	10.90	129	118721	19.847	ug/l	98
61) 1,2-Dibromoethane	11.01	107	100415	20.554	ug/l	99
64) Tetrachloroethene	10.63	164	119231	19.538	ug/l	97
65) Chlorobenzene	11.44	112	308511	19.403	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119914	19.920	ug/l	99
67) Ethyl Benzene	11.51	91	497569	19.636	ug/l	99
68) m/p-Xylenes	11.62	106	394253	40.052	ug/l	100
69) o-Xylene	11.95	106	186000	19.827	ug/l	98
70) Styrene	11.96	104	293524	18.494	ug/l	100
71) Bromoform	12.13	173	80043	20.051	ug/l #	100
73) Isopropylbenzene	12.25	105	492795	19.722	ug/l	99
74) N-amyl acetate	12.07	43	95833	18.685	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	123590	22.187	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	135848	32.564	ug/l #	100
77) Bromobenzene	12.53	156	130465	20.345	ug/l	100
78) n-propylbenzene	12.59	91	530144	19.670	ug/l	100
79) 2-Chlorotoluene	12.67	91	330268	19.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	405176	20.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26987	20.230	ug/l	97
82) 4-Chlorotoluene	12.77	91	318757	19.560	ug/l	100
83) tert-Butylbenzene	12.99	119	346231	19.612	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	396510	20.439	ug/l	99
85) sec-Butylbenzene	13.17	105	443687	19.792	ug/l	100
86) p-Isopropyltoluene	13.29	119	384443	20.452	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	208833	18.920	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	200036	19.385	ug/l	98
89) n-Butylbenzene	13.62	91	259009	18.119	ug/l	100
90) Hexachloroethane	13.88	117	74542	19.812	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	207644	20.113	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15873	21.872	ug/l	97

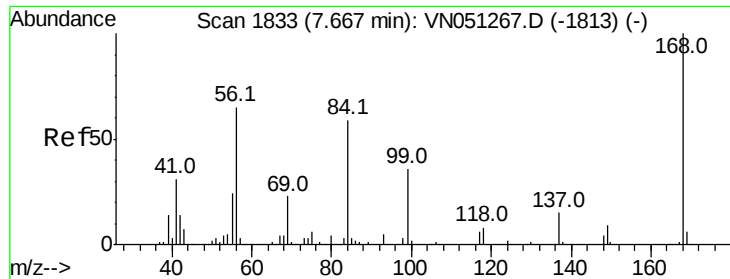
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091818\
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67517	17.183	ug/l	98
94) Hexachlorobutadiene	15.01	225	71857	20.388	ug/l	99
95) Naphthalene	15.13	128	121336	17.460	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	76581	18.804	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

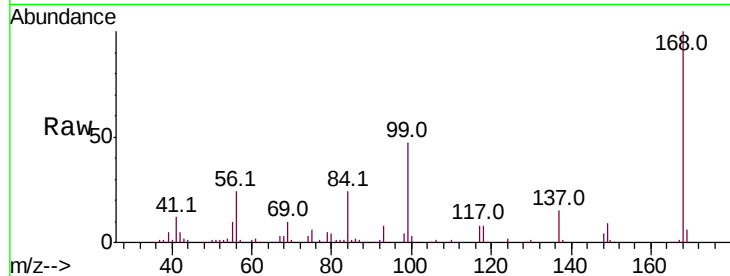
ClientSampled :

Tot Ion:168 Resp: 533415

Ion Ratio Lower Upper

168 100

99 47.2 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

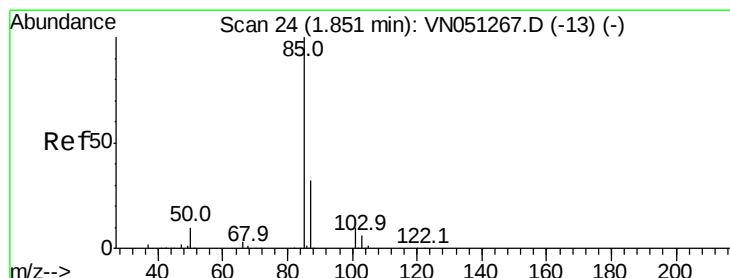
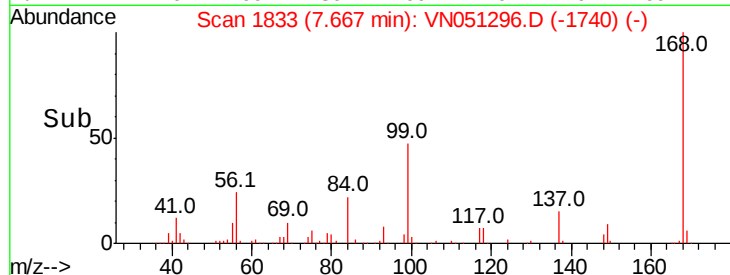
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.204 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051296.D

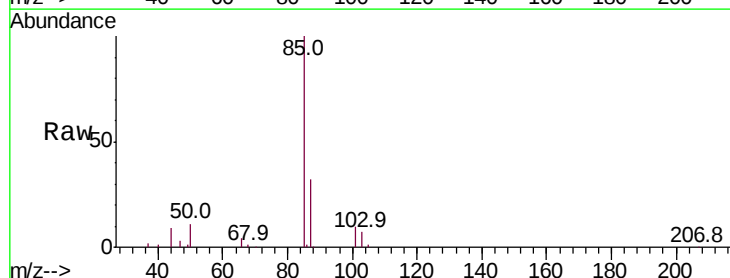
Acq: 18 Sep 2018 14:36

Tgt Ion: 85 Resp: 99343

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

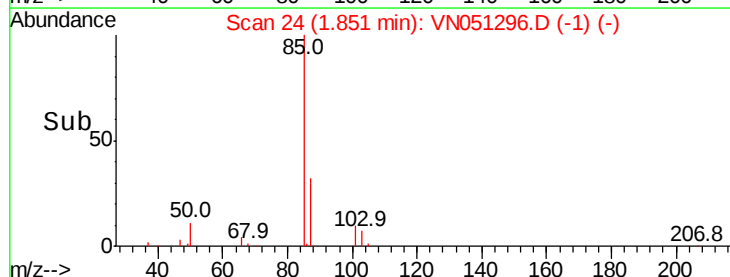
40000

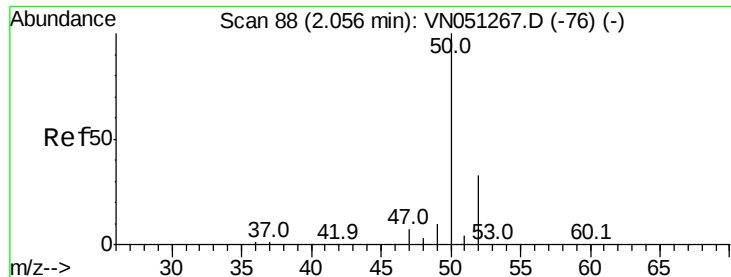
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.745 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

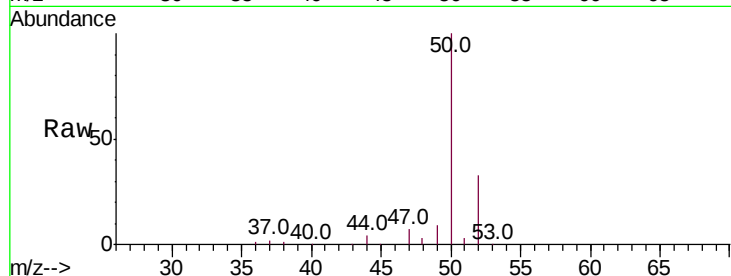
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 127698

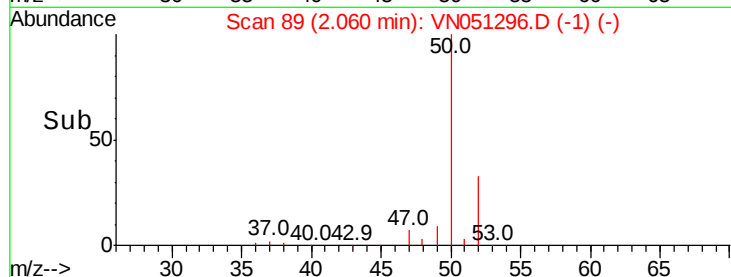
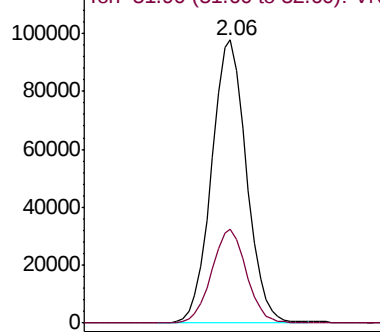
Ion Ratio Lower Upper

50 100

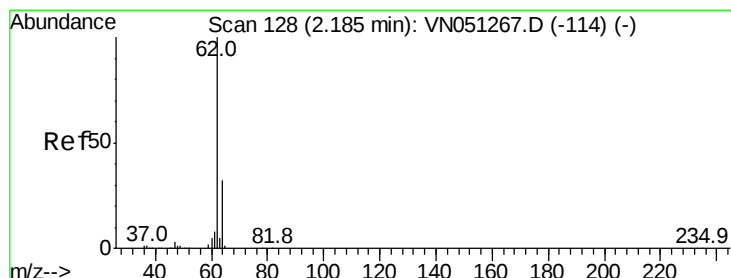
52 33.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC
Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 19.102 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051296.D

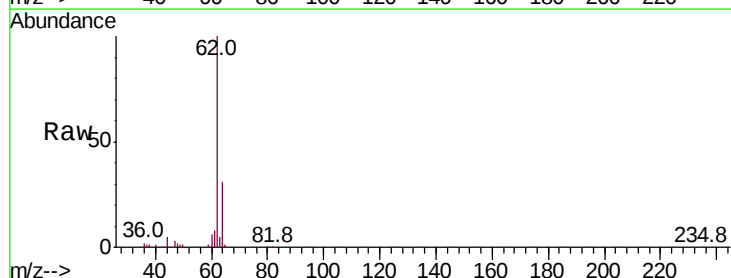
Acq: 18 Sep 2018 14:36

Tgt Ion: 62 Resp: 133399

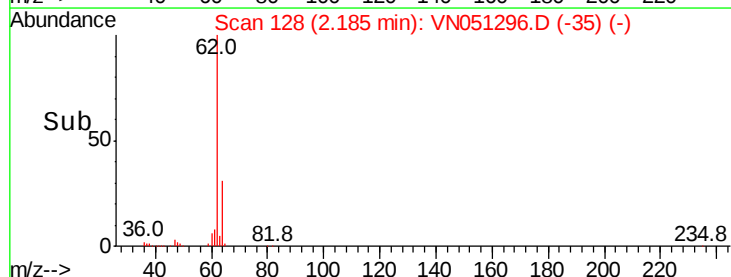
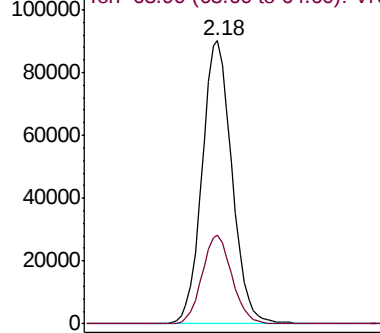
Ion Ratio Lower Upper

62 100

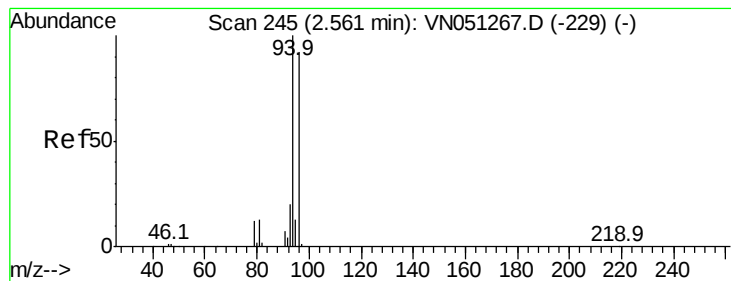
64 31.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 63.90 (63.60 to 64.60): VNC



Time-->



#5

Bromomethane

Concen: 19.824 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

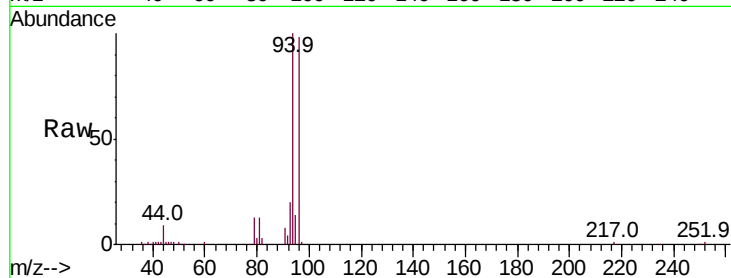
ClientSampleId :

Tot Ion: 94 Resp: 80476

Ion Ratio Lower Upper

94 100

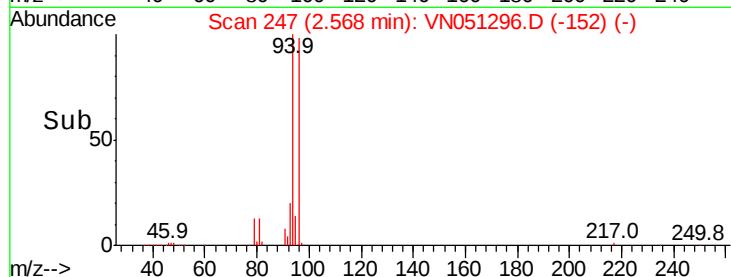
96 98.2 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051296.D (-152) (-)

2.57



40000

30000

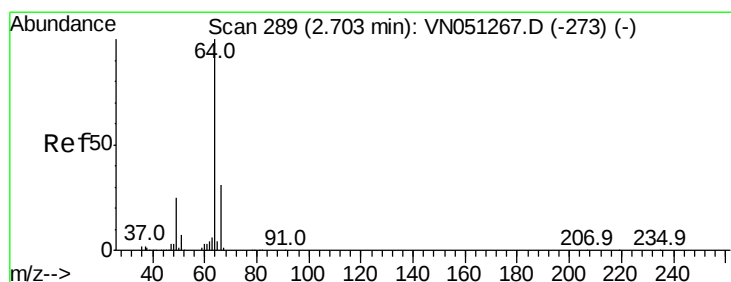
20000

10000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 19.218 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051296.D

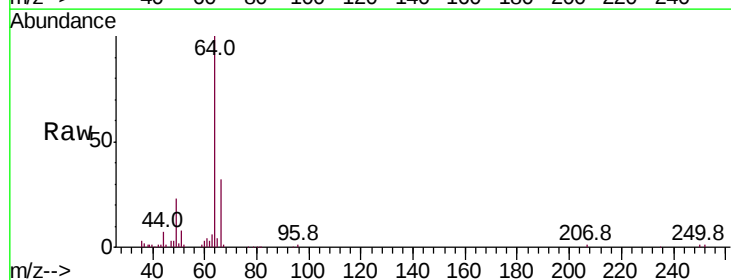
Acq: 18 Sep 2018 14:36

Tgt Ion: 64 Resp: 80068

Ion Ratio Lower Upper

64 100

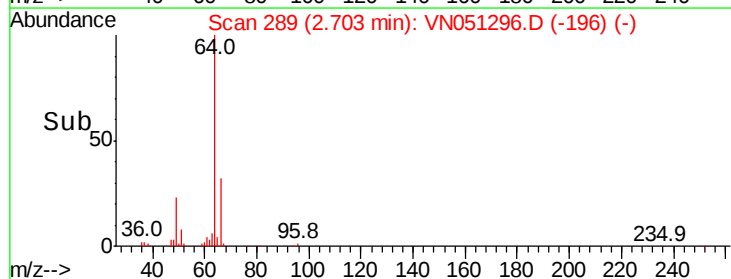
66 31.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN051267.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051296.D (-196) (-)

2.70



40000

30000

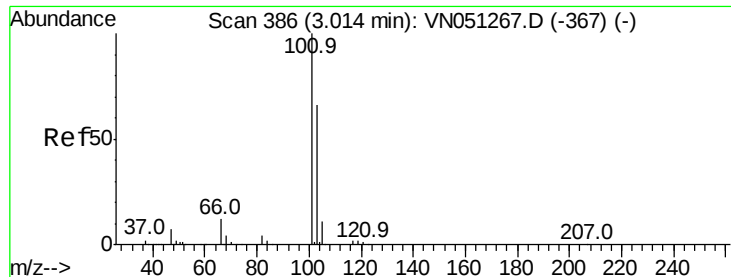
20000

10000

0

2.60 2.65 2.70 2.75 2.80

Time-->

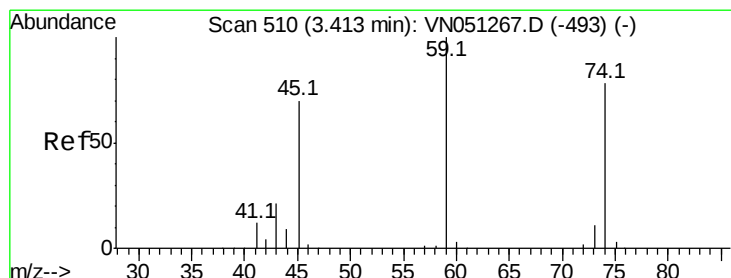
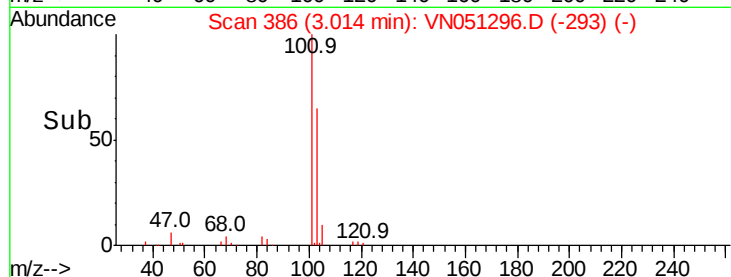
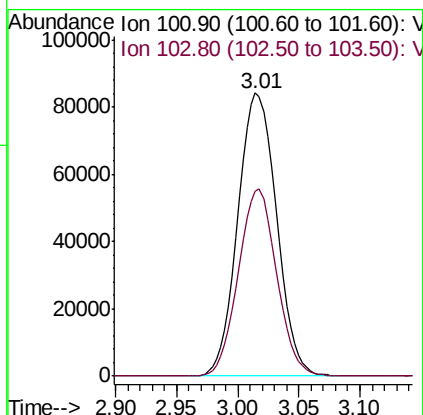
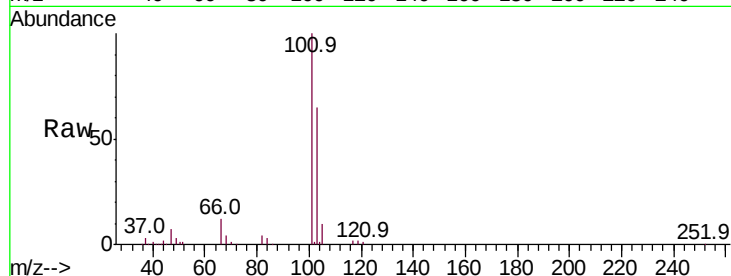


#7

Trichlorofluoromethane
 Concen: 19.366 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampled :

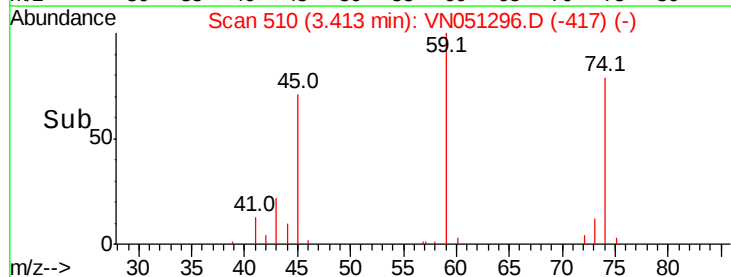
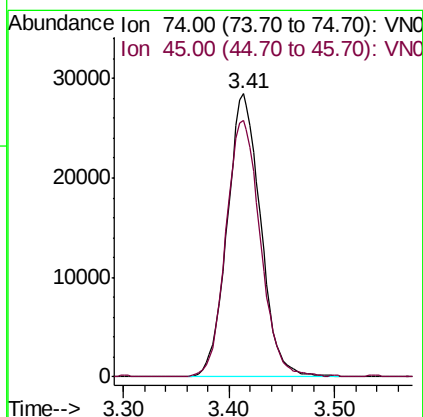
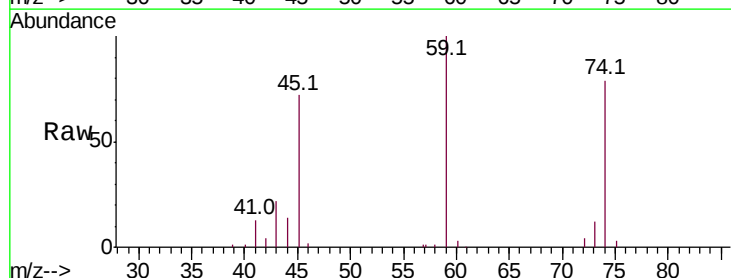
Tot Ion:101 Resp: 185341
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.7 79.1

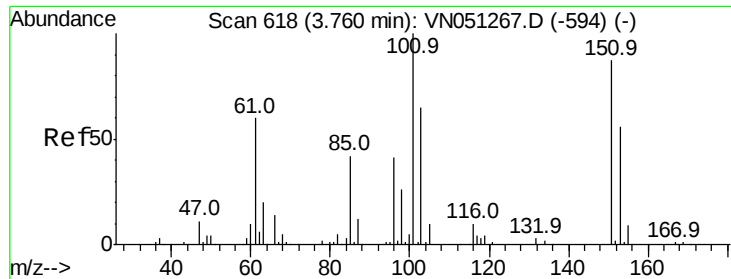


#8

Diethyl Ether
 Concen: 19.881 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 74 Resp: 62264
 Ion Ratio Lower Upper
 74 100
 45 93.3 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.056 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampled :

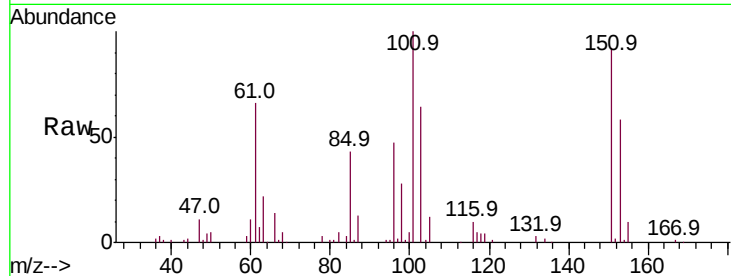
Tot Ion:101 Resp: 113958

Ion Ratio Lower Upper

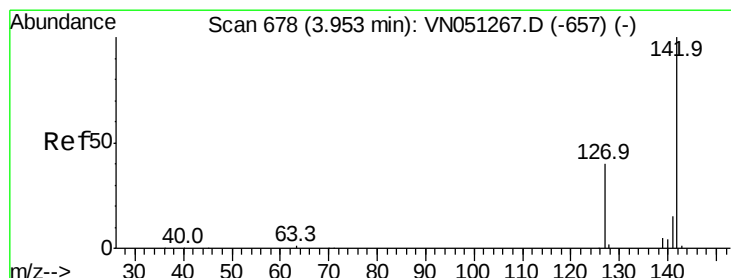
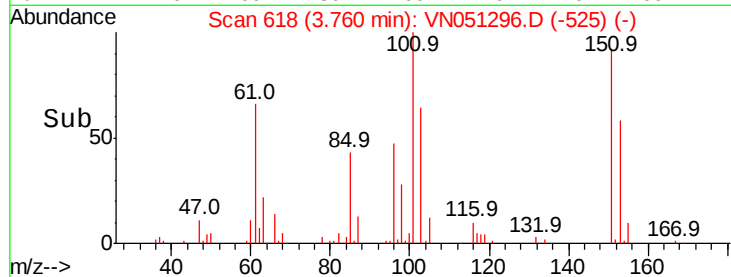
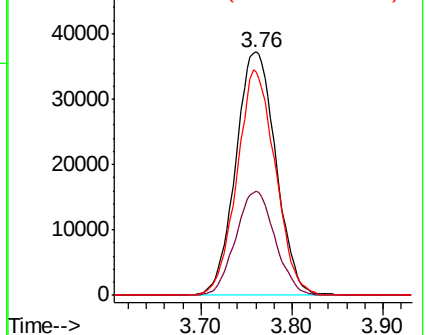
101 100

85 41.9 33.0 49.6

151 88.5 69.8 104.8



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



#10

Methyl Iodide

Concen: 20.279 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

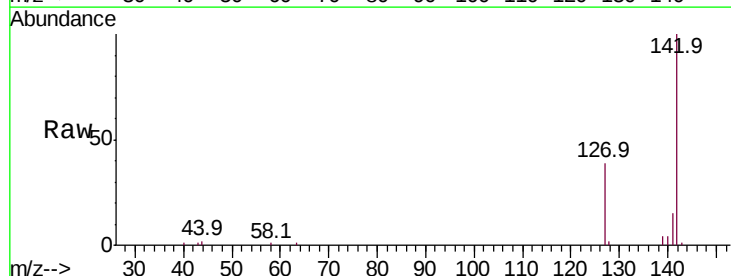
Tgt Ion:142 Resp: 97215

Ion Ratio Lower Upper

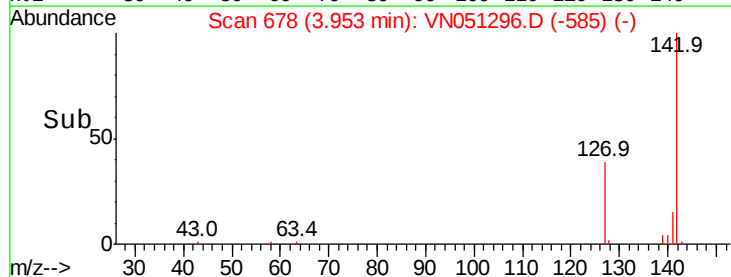
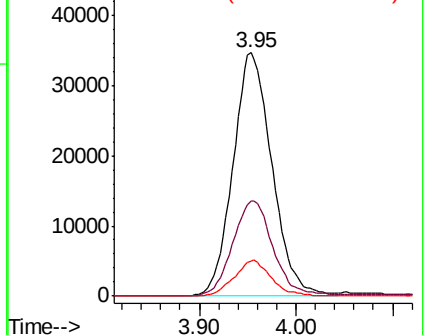
142 100

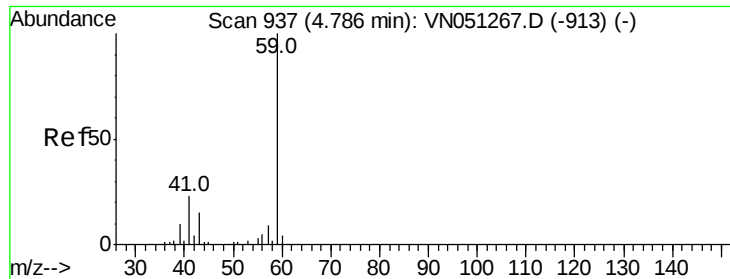
127 40.4 31.7 47.5

141 13.9 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

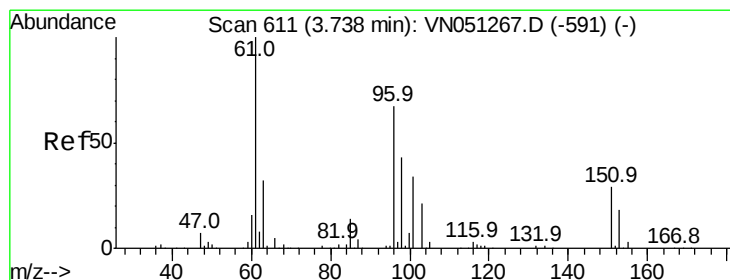
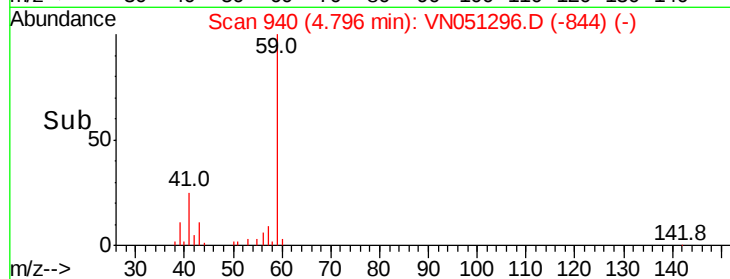
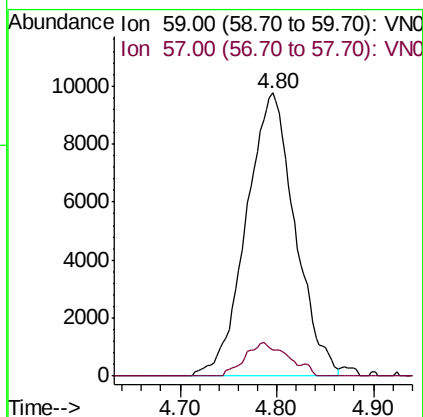
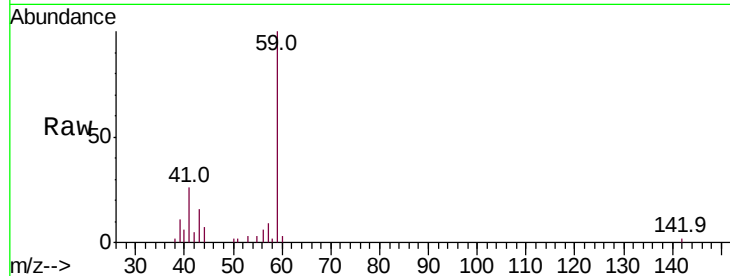




#11
Tert butyl alcohol
Concen: 107.173 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

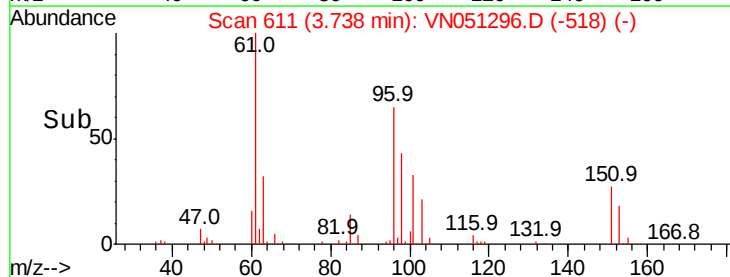
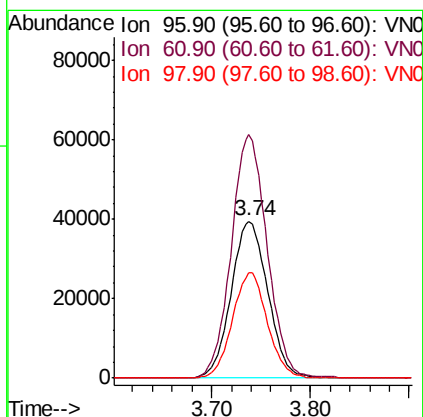
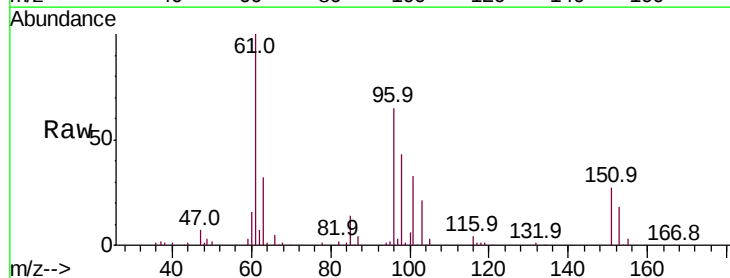
Instrument :
MSVOA_N
ClientSampled :

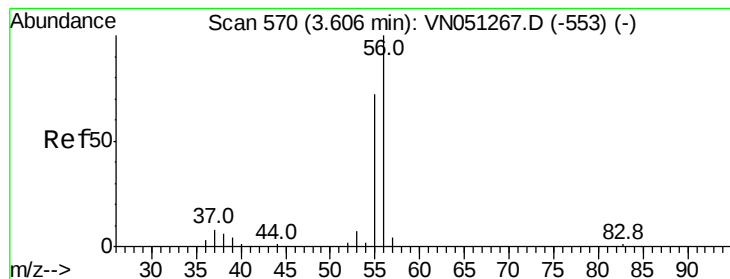
Tot Ion: 59 Resp: 34213
Ion Ratio Lower Upper
59 100
57 9.8 7.9 11.9



#12
1,1-Dichloroethene
Concen: 18.911 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 96 Resp: 102147
Ion Ratio Lower Upper
96 100
61 154.9 119.3 178.9
98 66.8 51.8 77.6





#13

Acrolein

Concen: 90.118 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

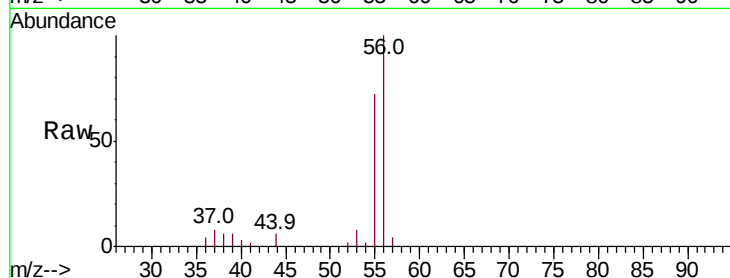
ClientSampleId :

Tot Ion: 56 Resp: 40403

Ion Ratio Lower Upper

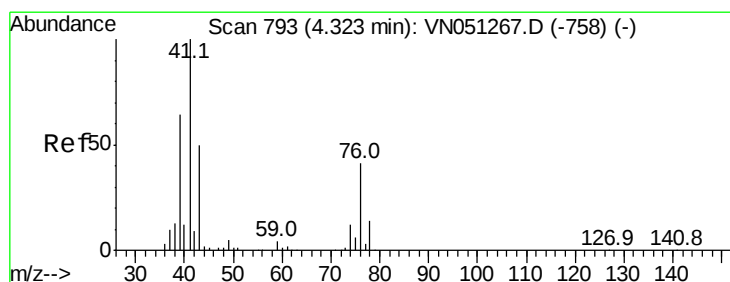
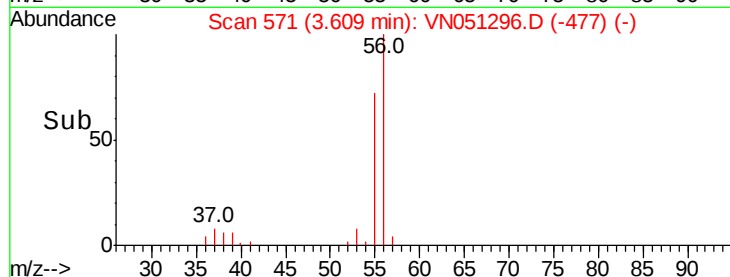
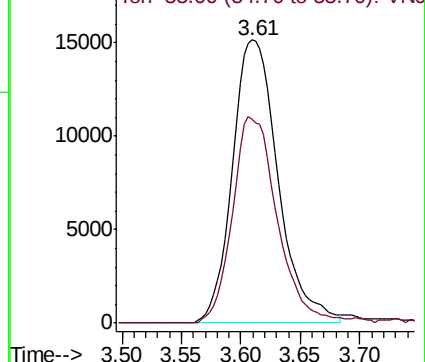
56 100

55 71.2 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 18.632 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

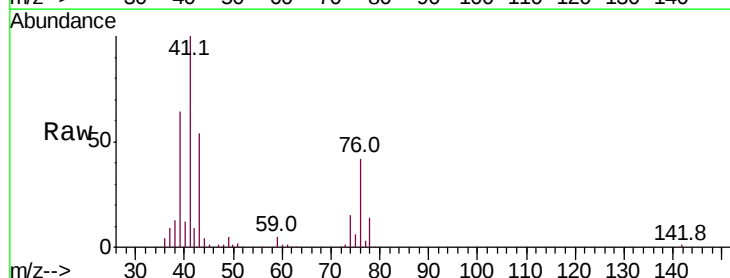
Tgt Ion: 41 Resp: 148557

Ion Ratio Lower Upper

41 100

39 63.2 49.0 73.4

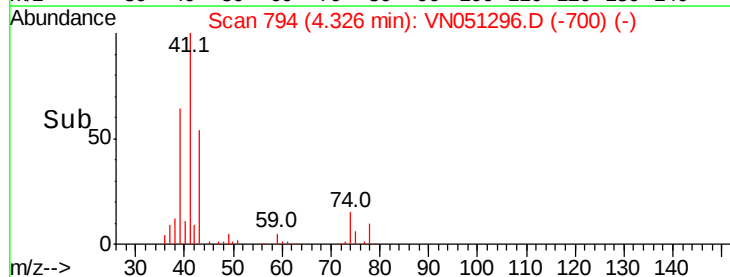
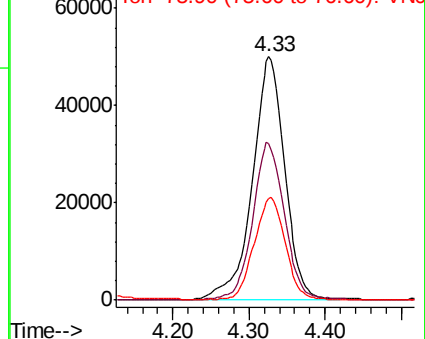
76 40.4 31.4 47.0

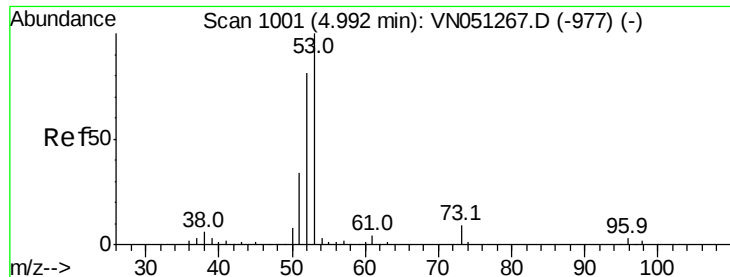


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 103.218 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

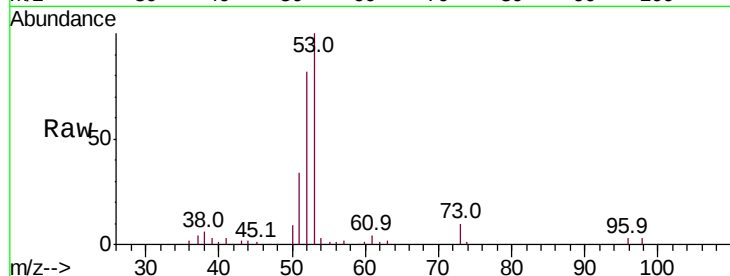
Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 172390

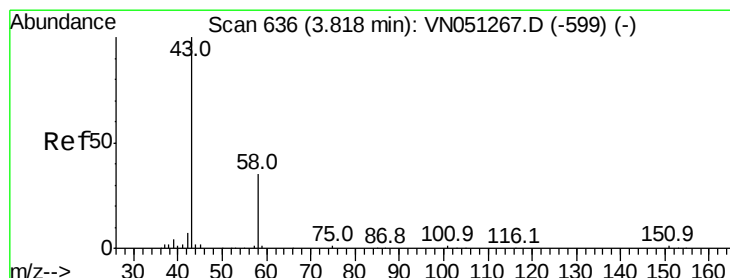
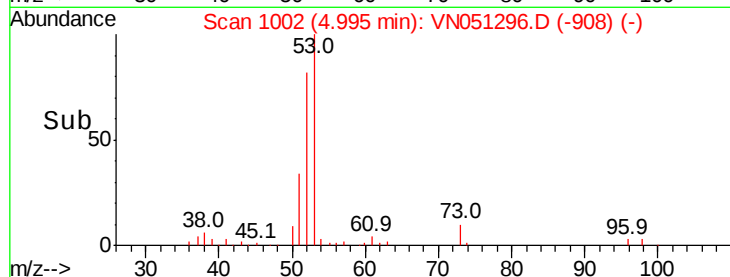
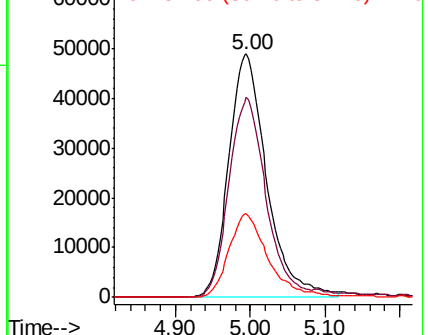
Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.0	97.6
51	35.6	28.0	42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 89.819 ug/l

RT: 3.82 min Scan# 637

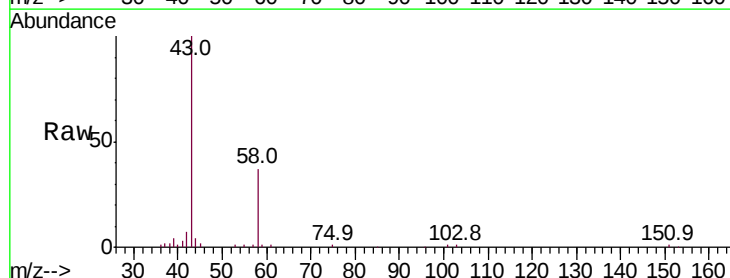
Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

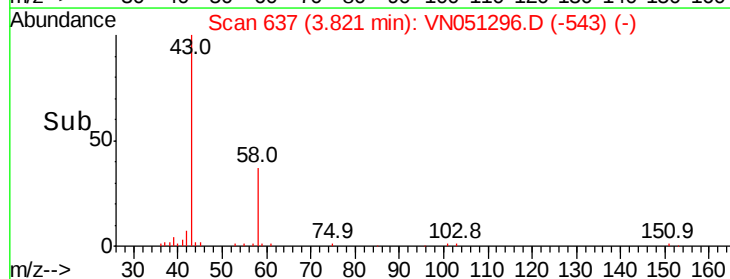
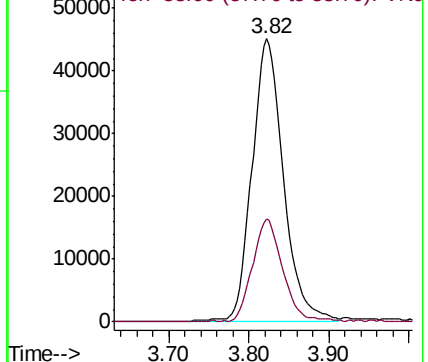
Tgt Ion: 43 Resp: 121902

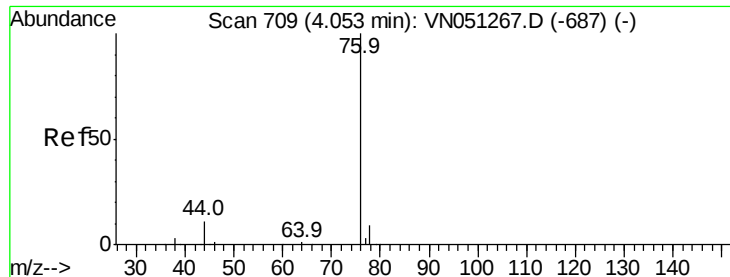
Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.2	42.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

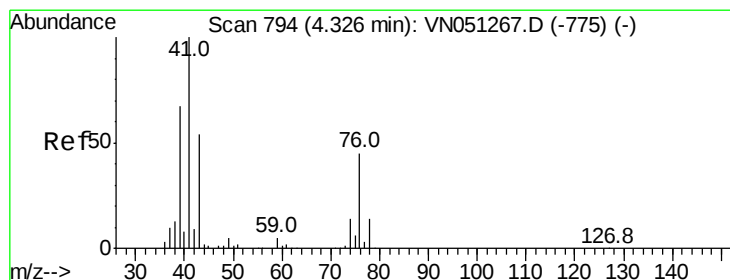
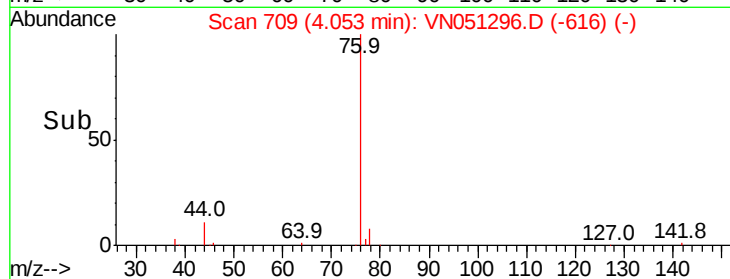
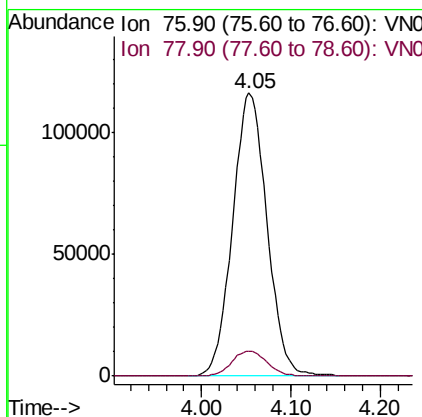
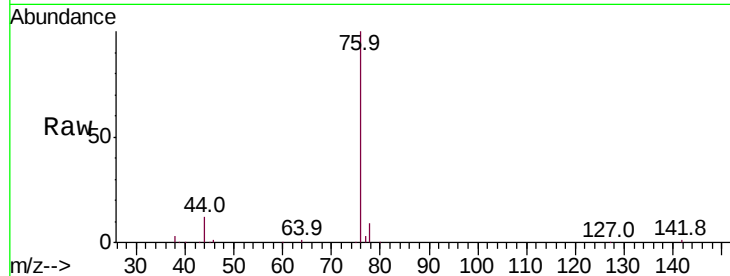




#17
Carbon Disulfide
Concen: 18.608 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

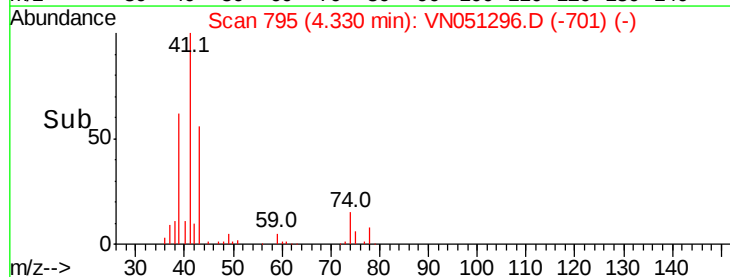
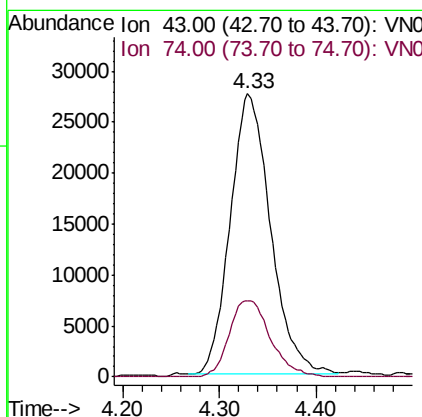
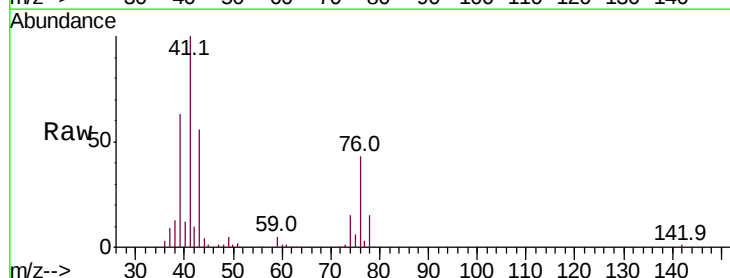
Instrument :
MSVOA_N
ClientSampleId :

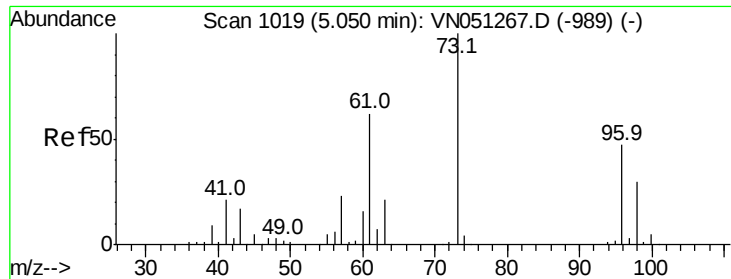
Tot Ion: 76 Resp: 309910
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 19.876 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 43 Resp: 80077
Ion Ratio Lower Upper
43 100
74 27.7 20.8 31.2

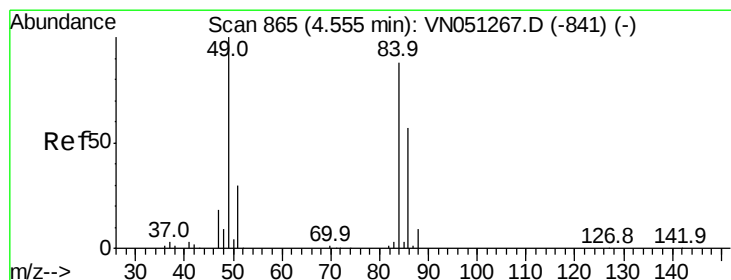
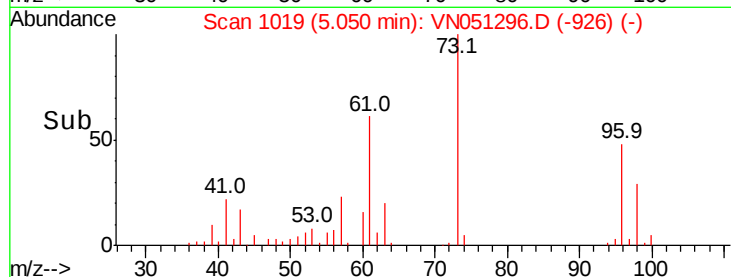
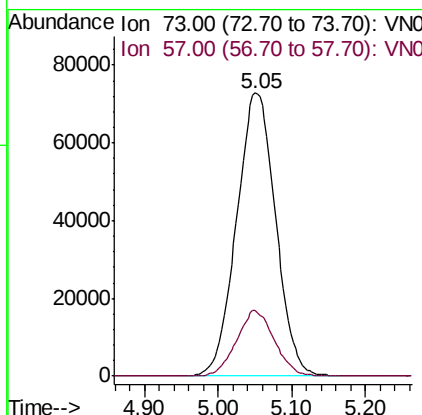
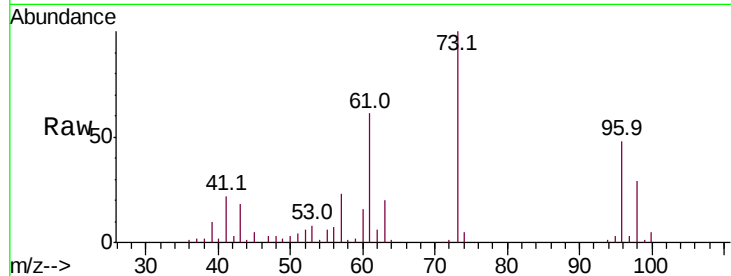




#19
Methvl tert-butvl Ether
Concen: 20.744 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

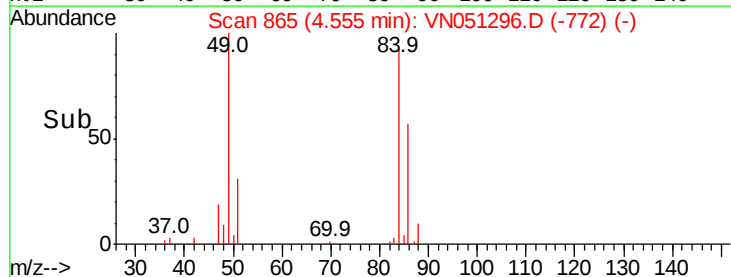
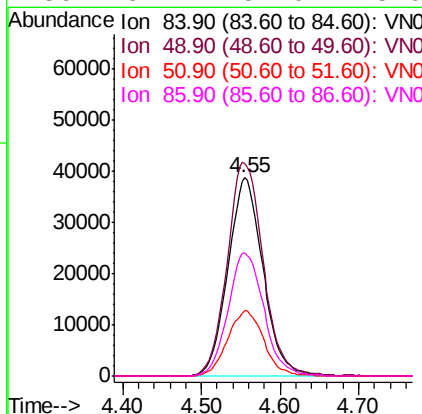
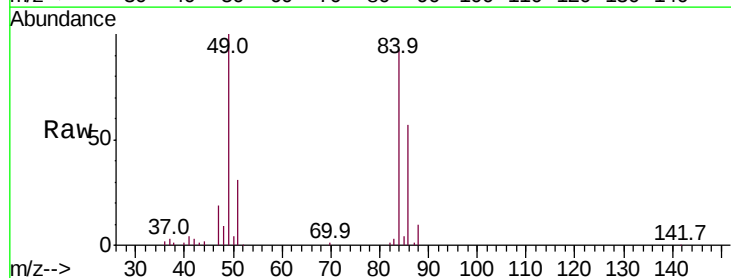
Instrument :
MSVOA_N
ClientSampled :

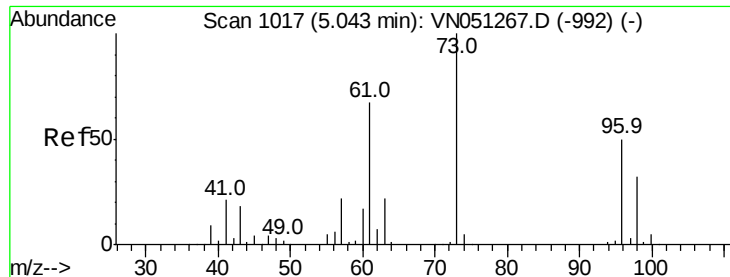
Tot Ion: 73 Resp: 268525
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#20
Methylene Chloride
Concen: 18.964 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 84 Resp: 120325
Ion Ratio Lower Upper
84 100
49 107.3 91.2 136.8
51 33.1 27.7 41.5
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.784 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :

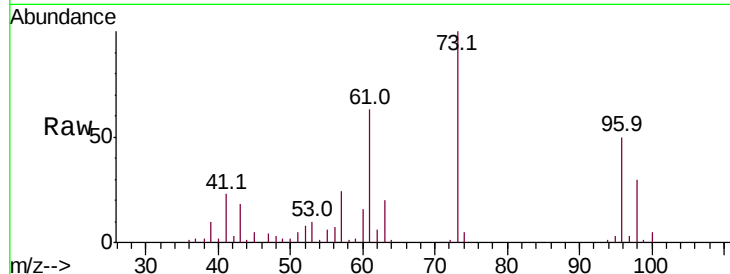
Tot Ion: 96 Resp: 111224

Ion Ratio Lower Upper

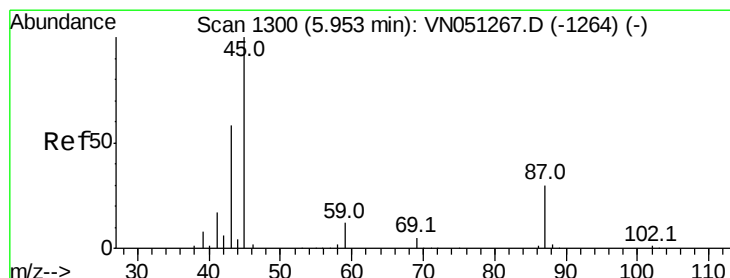
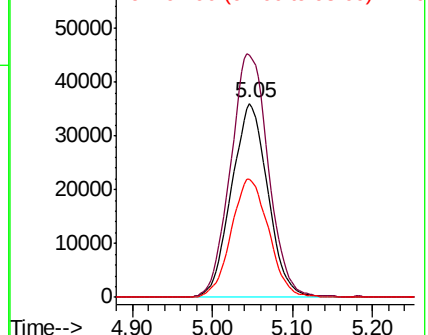
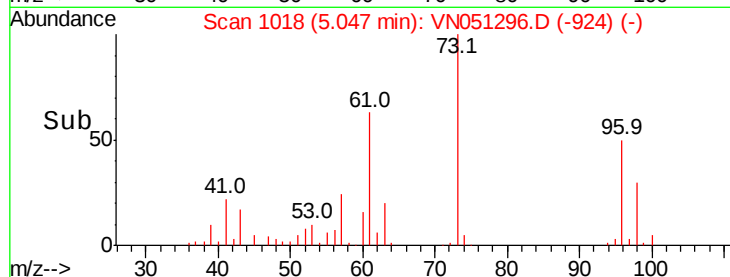
96 100

61 125.3 106.7 160.1

98 61.1 51.4 77.0



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



#22

Diisopropyl ether

Concen: 20.846 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion: 45 Resp: 321943

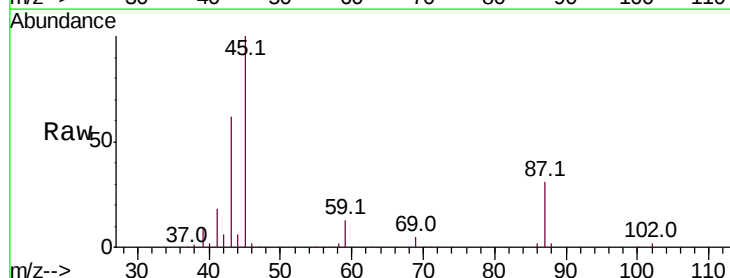
Ion Ratio Lower Upper

45 100

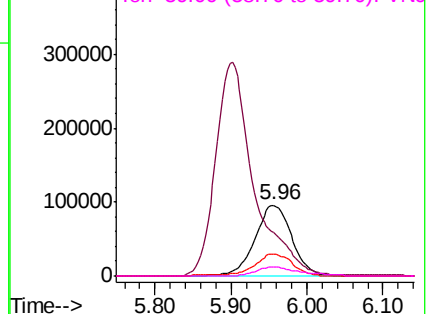
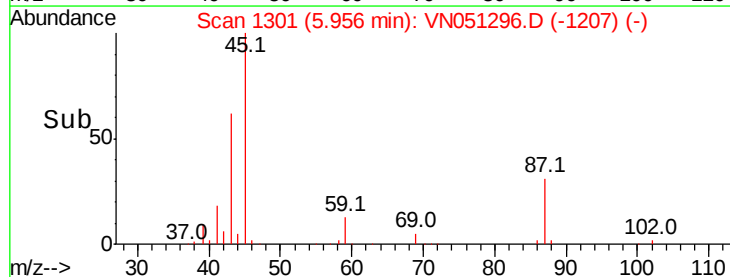
43 59.1 46.7 70.1

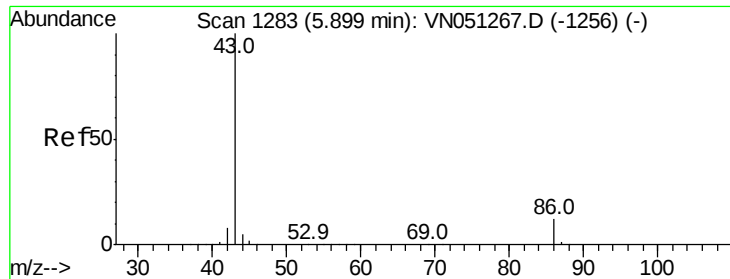
87 30.6 24.6 36.8

59 12.5 9.6 14.4



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





#23

Vinyl Acetate

Concen: 101.349 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

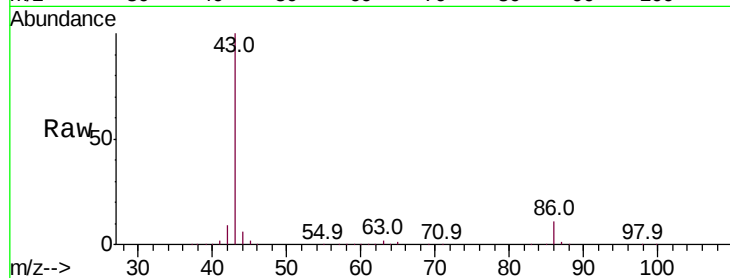
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1014176

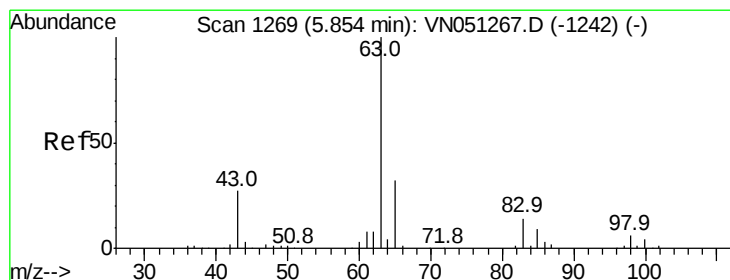
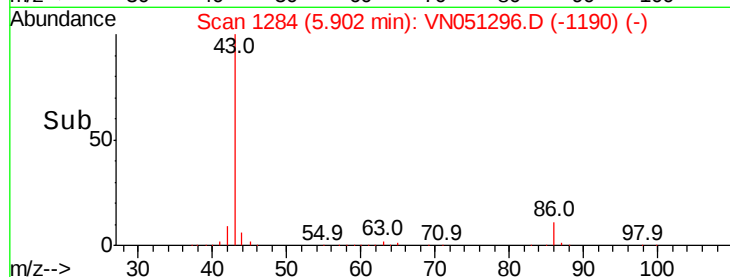
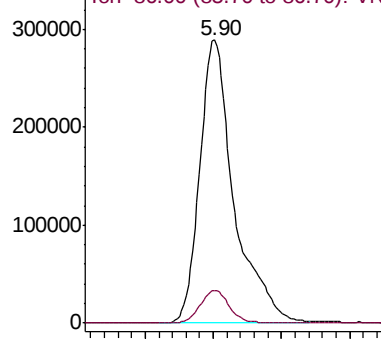
Ion Ratio Lower Upper

43 100

86 11.5 9.3 13.9



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



#24

1,1-Dichloroethane

Concen: 19.507 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

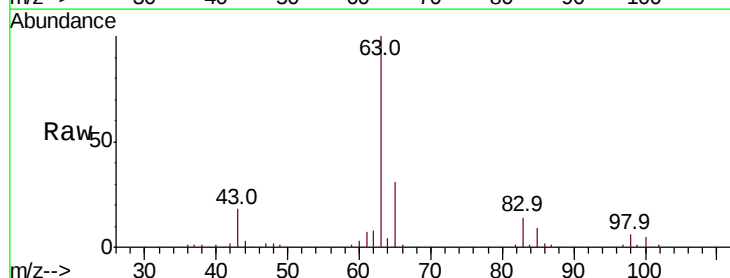
Tgt Ion: 63 Resp: 201414

Ion Ratio Lower Upper

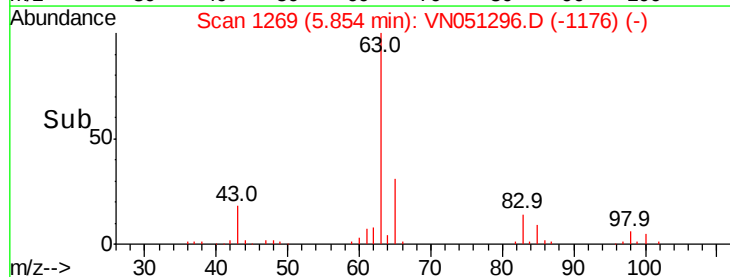
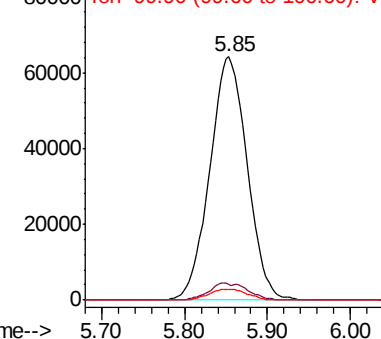
63 100

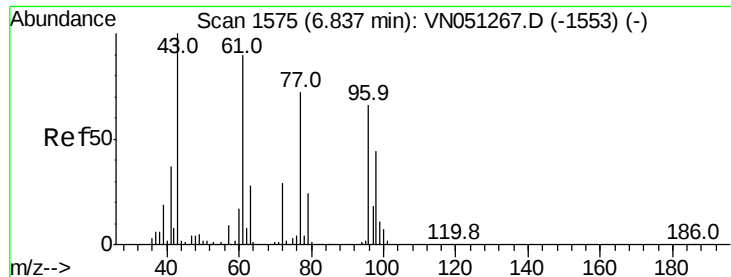
98 6.3 3.3 9.8

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VNC
Ion 97.90 (97.60 to 98.60): VNC
Ion 99.90 (99.60 to 100.60): VNC





#25

2-Butanone

Concen: 98.159 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

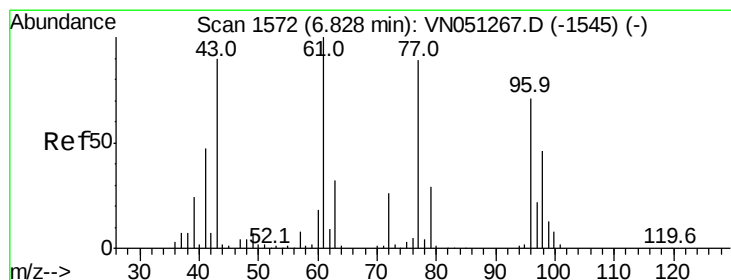
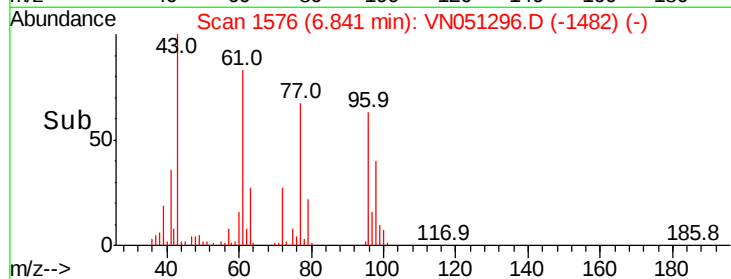
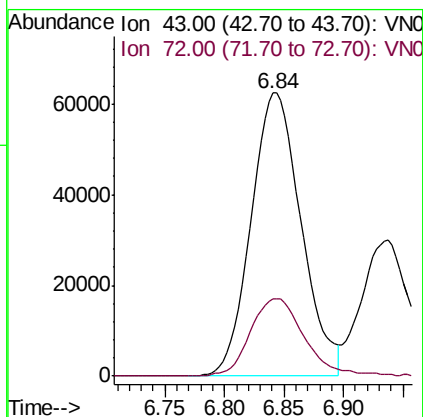
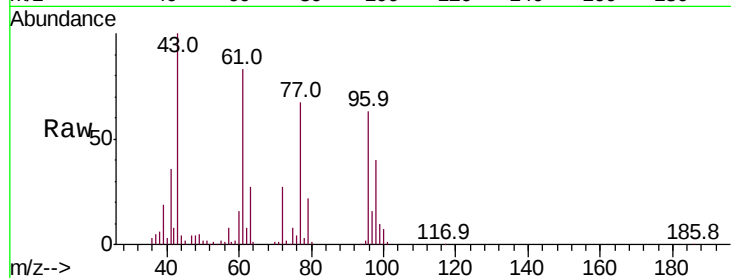
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 182286

Ion Ratio Lower Upper

43 100

72 27.1 23.4 35.0



#26

2,2-Dichloropropane

Concen: 18.315 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051296.D

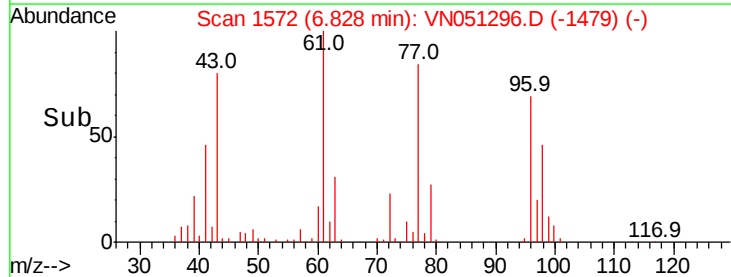
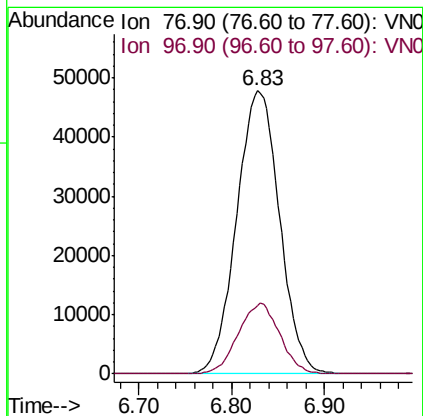
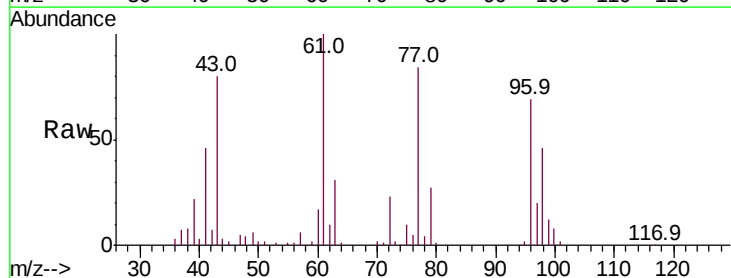
Acq: 18 Sep 2018 14:36

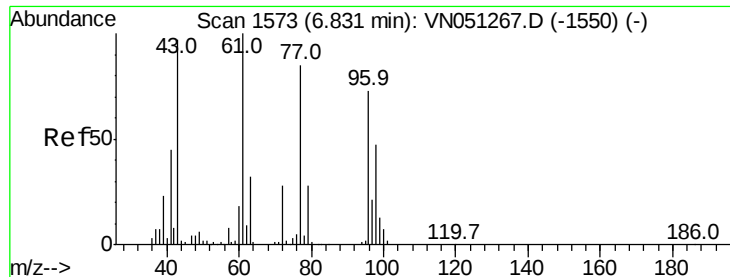
Tgt Ion: 77 Resp: 153792

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.356 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :

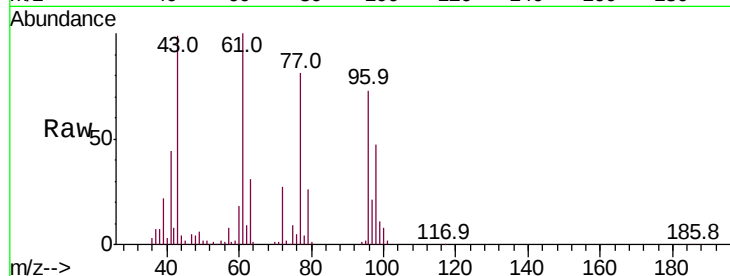
Tot Ion: 96 Resp: 122436

Ion Ratio Lower Upper

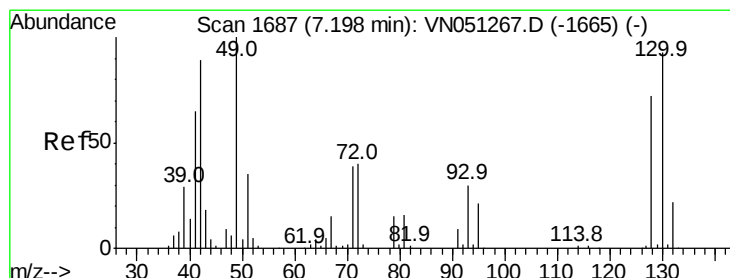
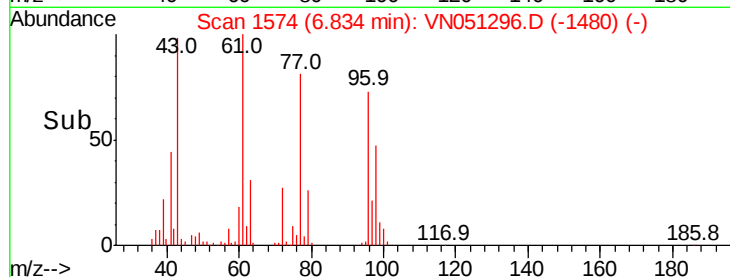
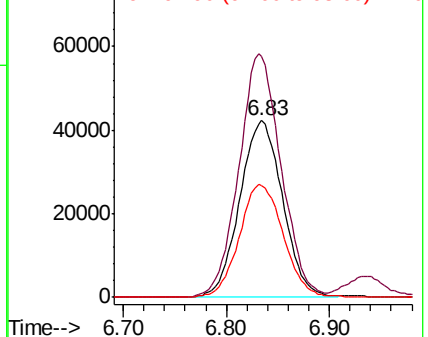
96 100

61 135.4 0.0 276.2

98 65.3 0.0 129.2



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



#28

Bromochloromethane

Concen: 20.137 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

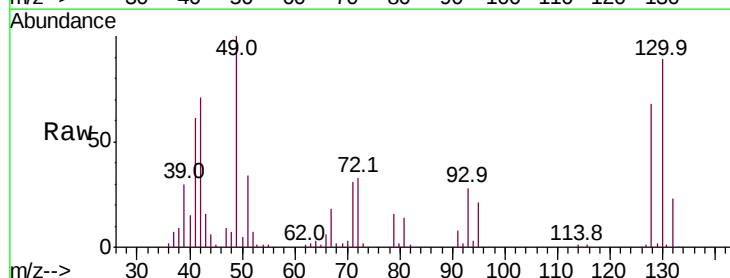
Tgt Ion: 49 Resp: 91567

Ion Ratio Lower Upper

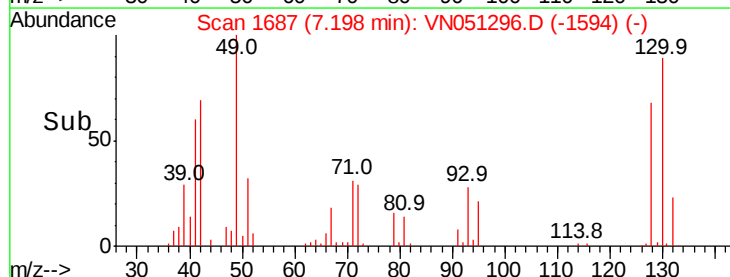
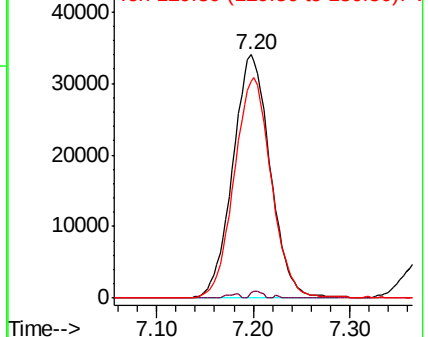
49 100

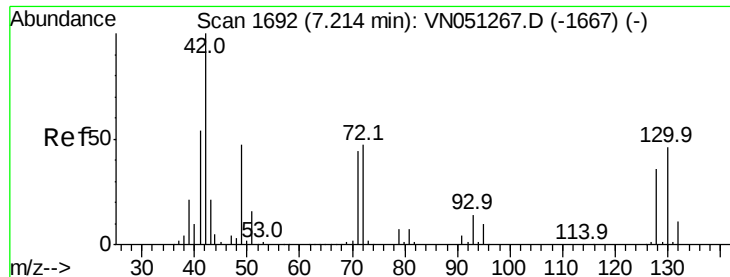
129 0.8 0.0 4.6

130 90.0 73.7 110.5



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

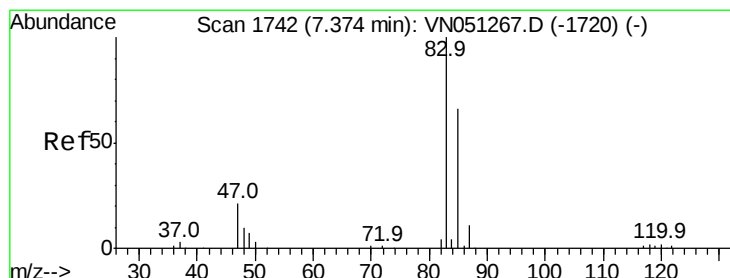
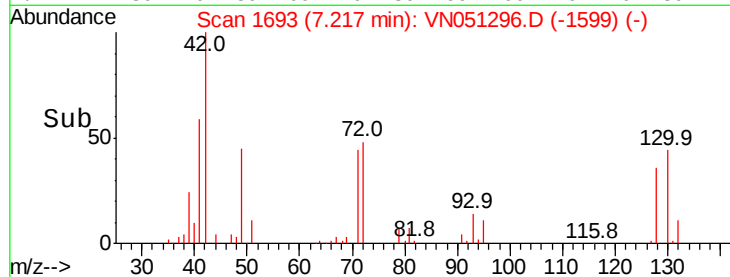
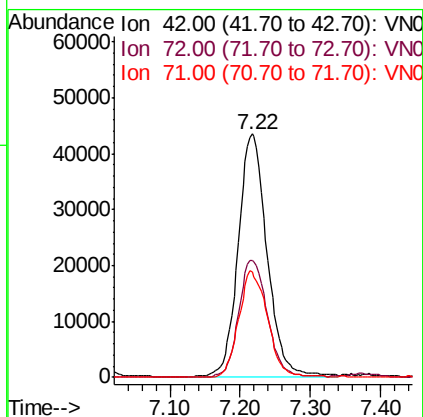
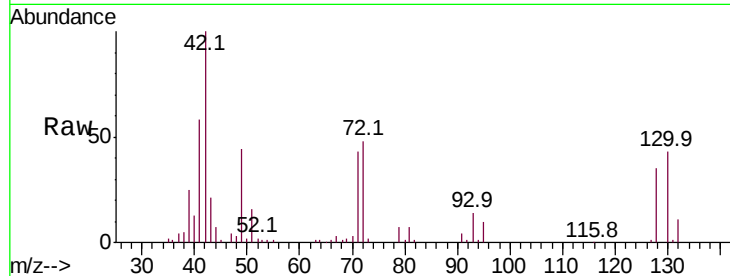




#29
Tetrahydrofuran
Concen: 109.144 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

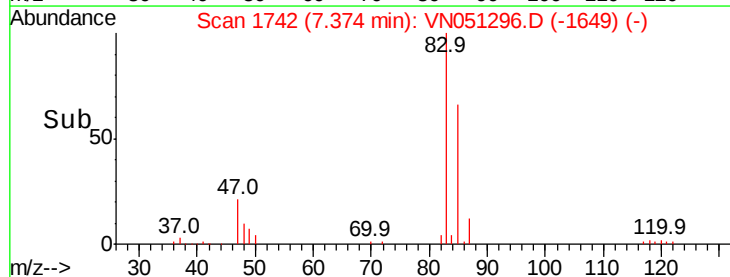
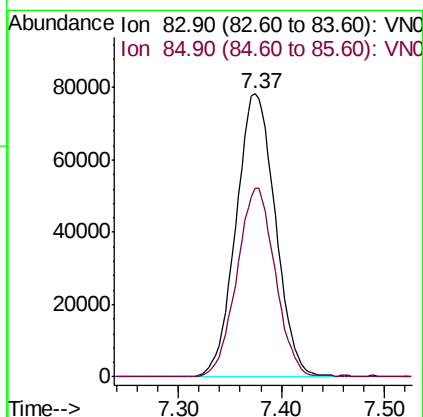
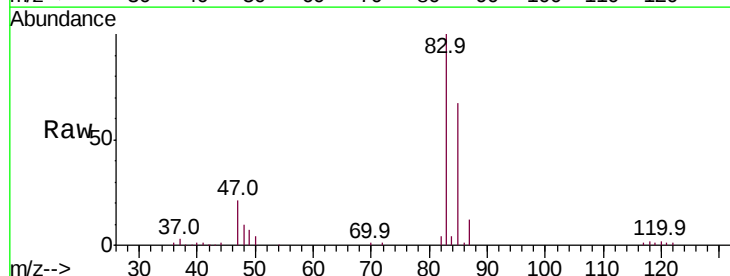
Instrument :
MSVOA_N
ClientSampled :

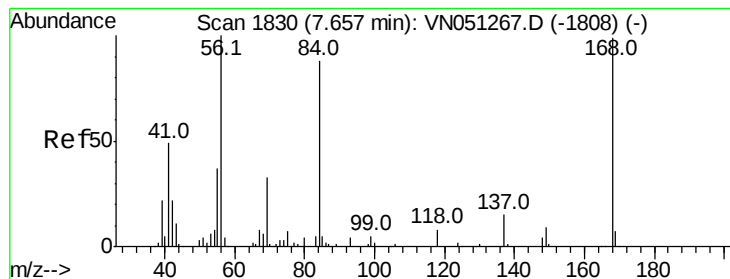
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.6	56.4
71	43.2	35.4	53.2



#30
Chloroform
Concen: 19.705 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





#31

Cvclohexane

Concen: 18.668 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :

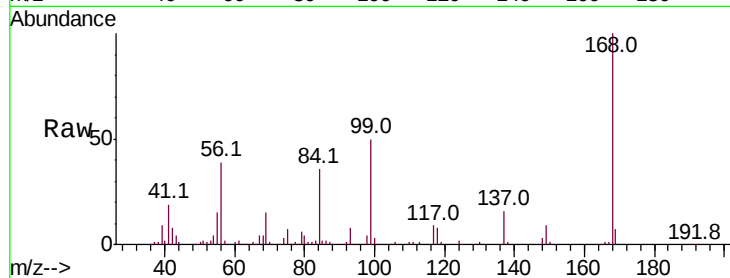
Tot Ion: 56 Resp: 174931

Ion Ratio Lower Upper

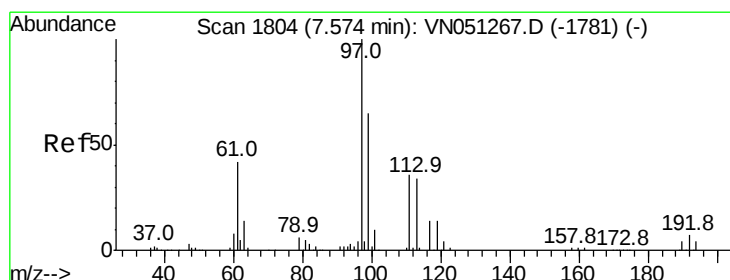
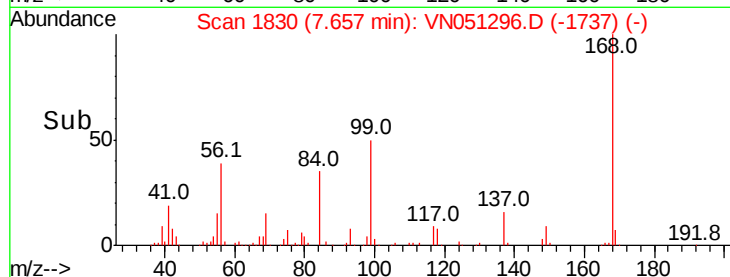
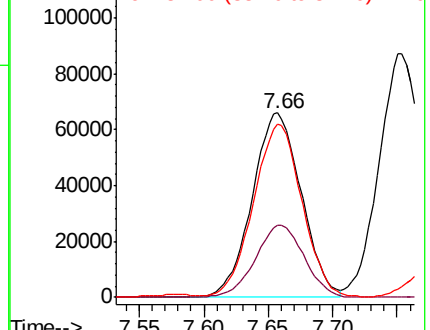
56 100

69 39.2 26.2 39.2

84 93.0 70.6 106.0



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



#32

1,1,1-Trichloroethane

Concen: 19.812 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

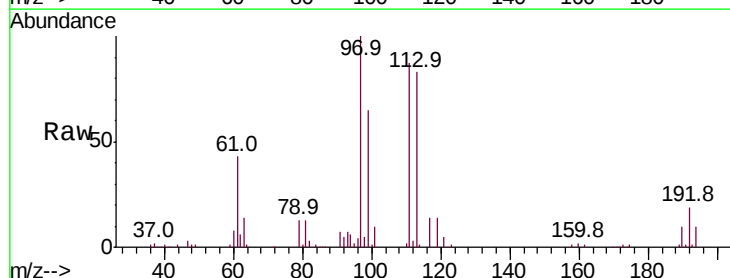
Tgt Ion: 97 Resp: 179284

Ion Ratio Lower Upper

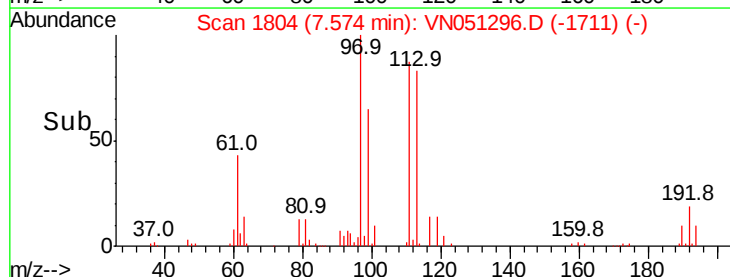
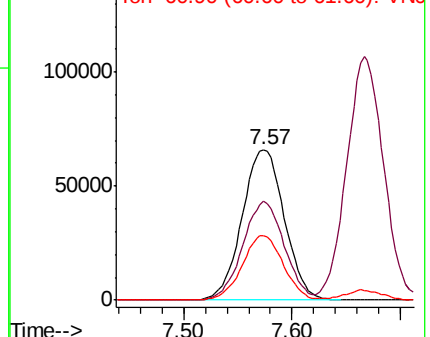
97 100

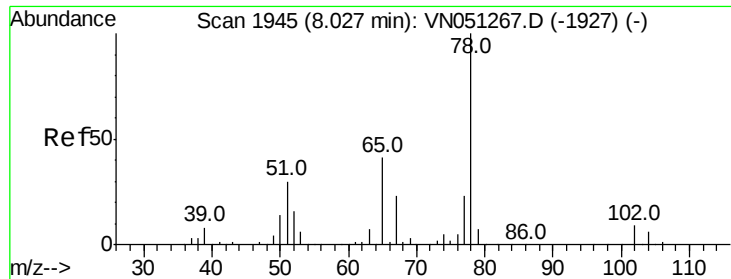
99 64.4 51.6 77.4

61 41.9 33.4 50.2



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





#33

1,2-Dichloroethane-d4

Concen: 50.180 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

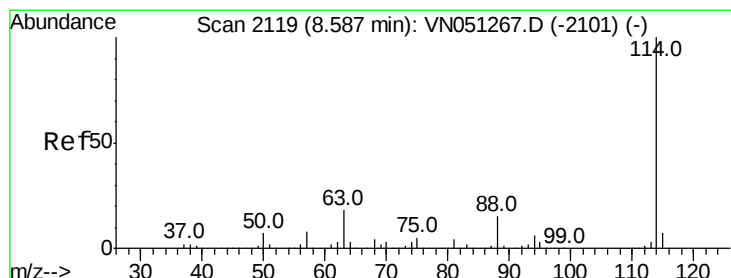
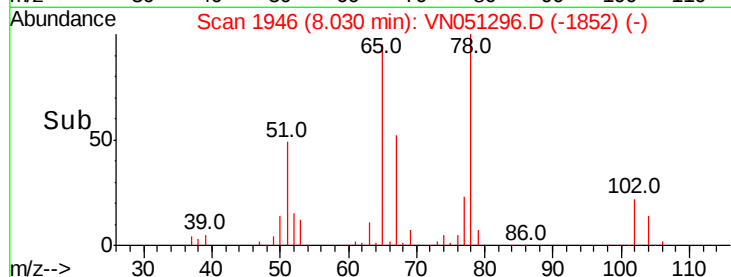
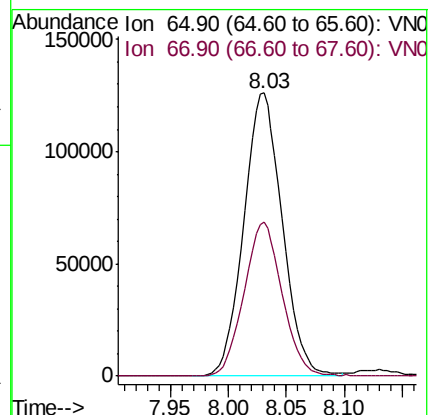
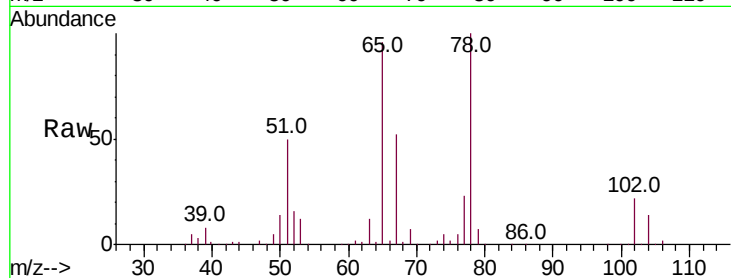
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 290899

Ion Ratio Lower Upper

65 100

67 54.1 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

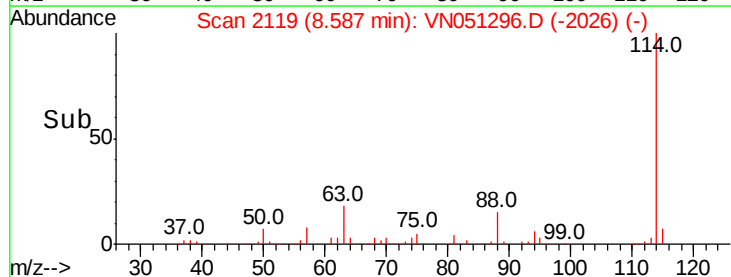
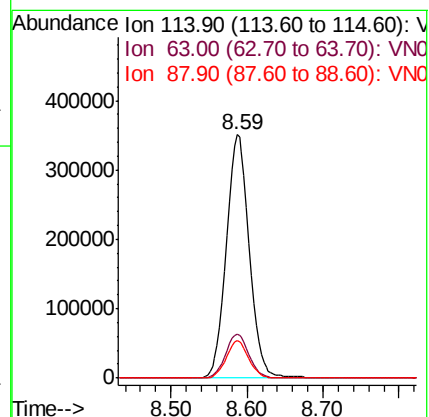
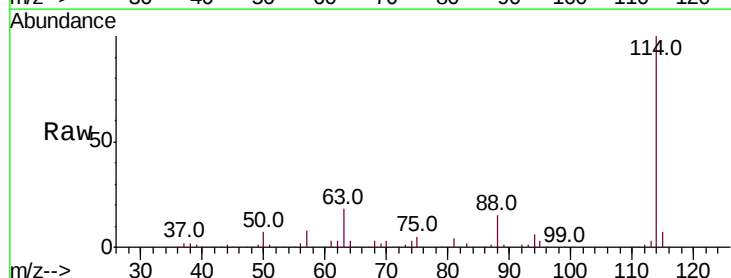
Tgt Ion: 114 Resp: 737298

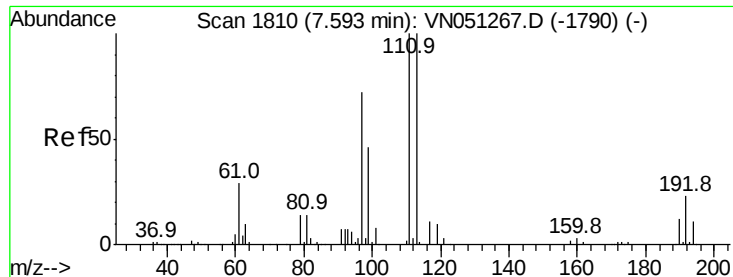
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

88 15.2 0.0 30.8

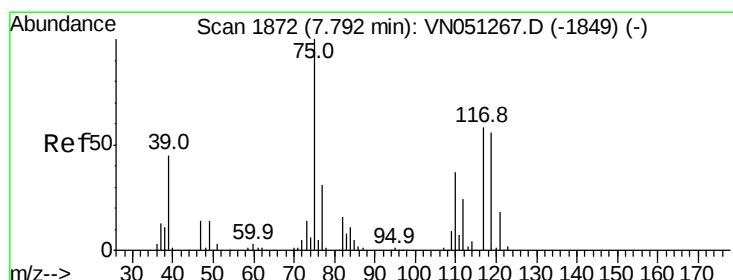
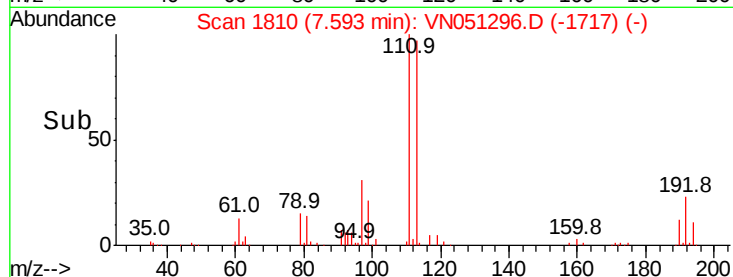
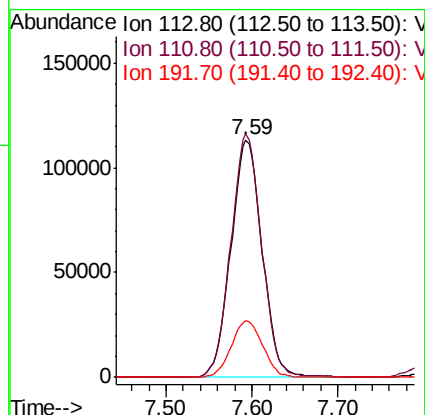
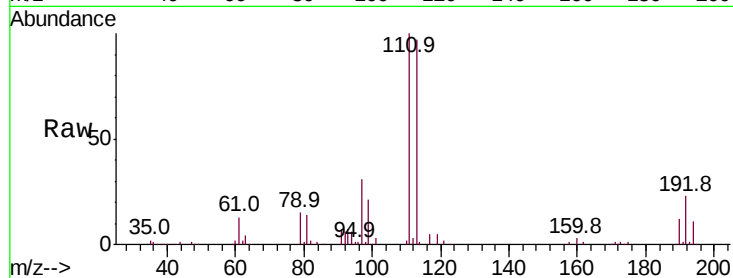




#35
 Dibromofluoromethane
 Concen: 49.754 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

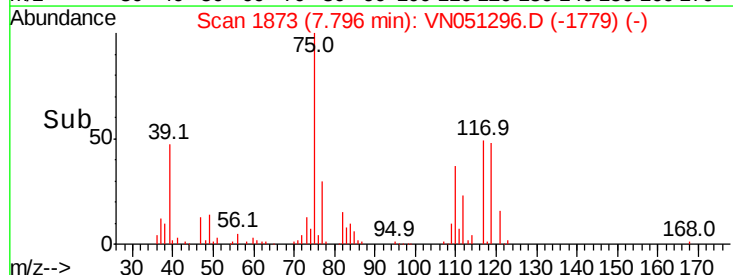
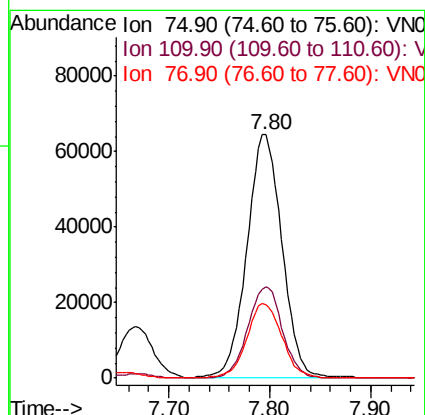
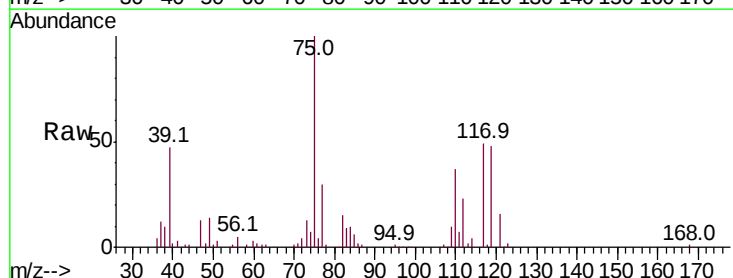
Instrument :
 MSVOA_N
 ClientSampleId :

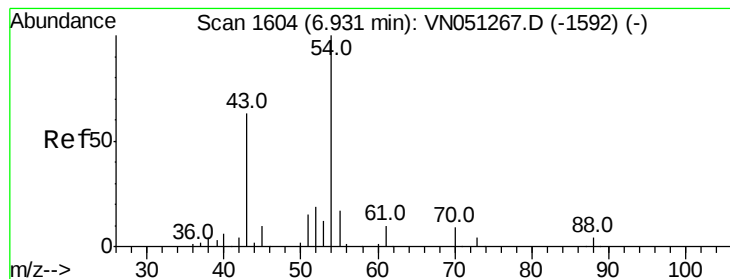
Tot Ion:113 Resp: 285064
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.4
 192 24.1 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 19.480 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 75 Resp: 155473
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.6 56.0
 77 30.9 24.7 37.1





#37

Ethyl Acetate

Concen: 20.833 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampled :

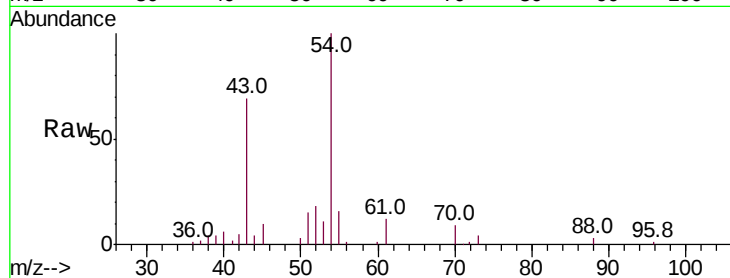
Tot Ion: 43 Resp: 85479

Ion Ratio Lower Upper

43 100

61 15.5 12.3 18.5

70 11.7 9.4 14.0

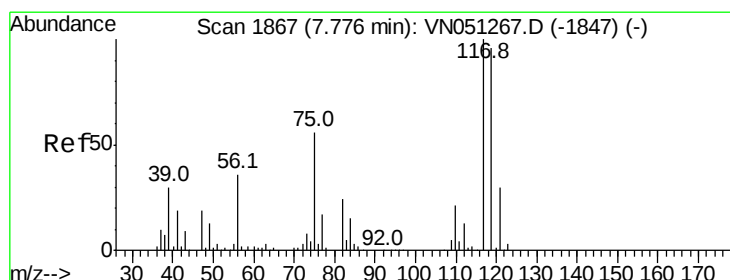
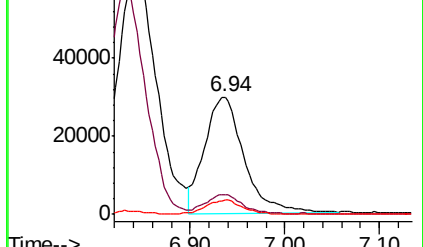
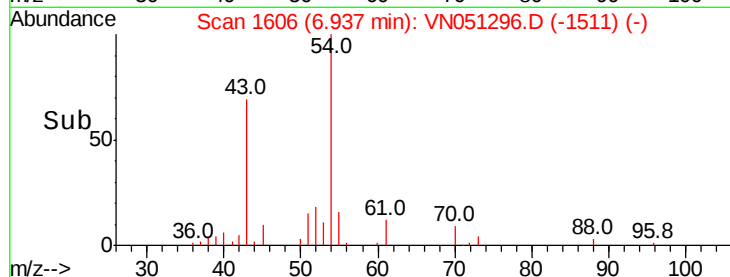


Abundance Ion 43.00 (42.70 to 43.70): VN051296.D (-1606) (-)

Ion 60.90 (60.60 to 61.60): VN051296.D (-1606) (-)

Ion 70.00 (69.70 to 70.70): VN051296.D (-1606) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 19.303 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

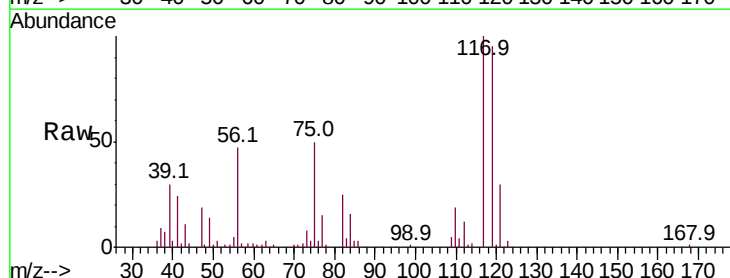
Tgt Ion: 117 Resp: 160646

Ion Ratio Lower Upper

117 100

119 94.9 76.8 115.2

121 30.1 24.2 36.2

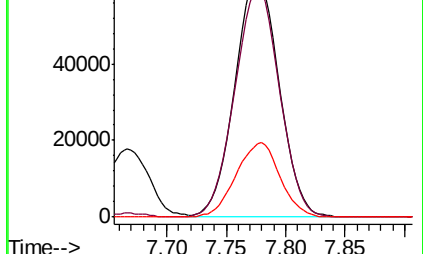
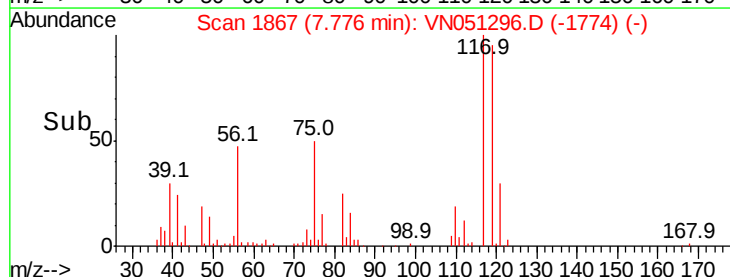


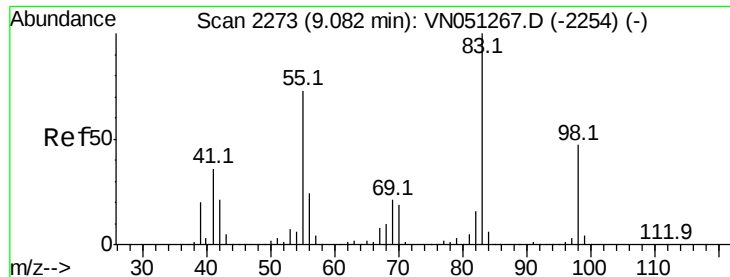
Abundance Ion 116.80 (116.50 to 117.50): VN051296.D (-1867) (-)

Ion 118.80 (118.50 to 119.50): VN051296.D (-1867) (-)

Ion 120.80 (120.50 to 121.50): VN051296.D (-1867) (-)

Time-->

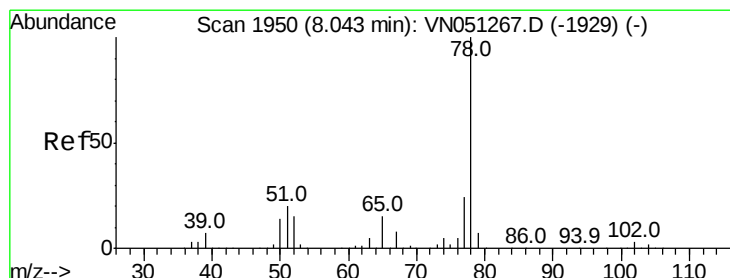
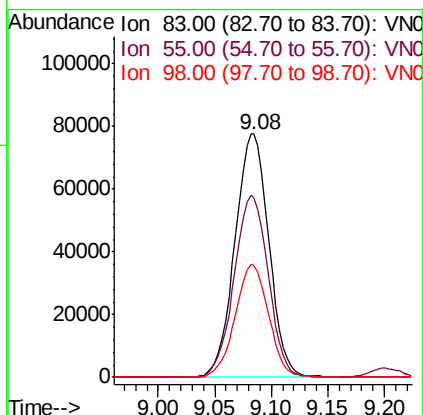
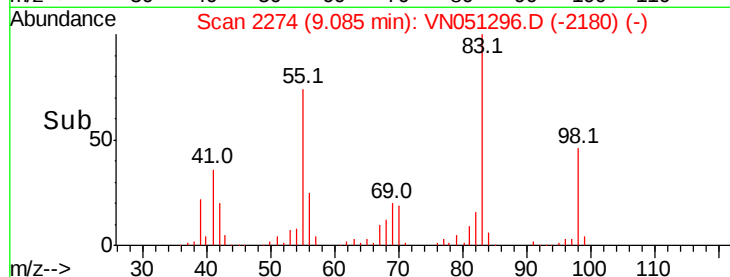
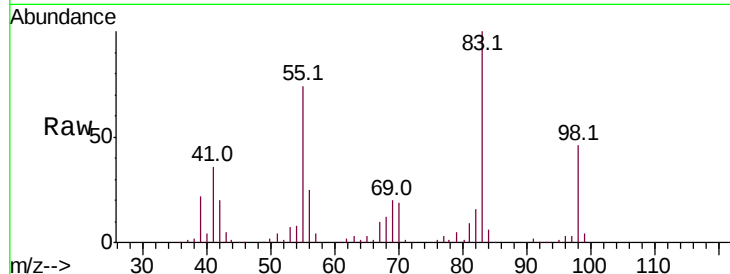




#39
Methvlcvclohexane
Concen: 18.715 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

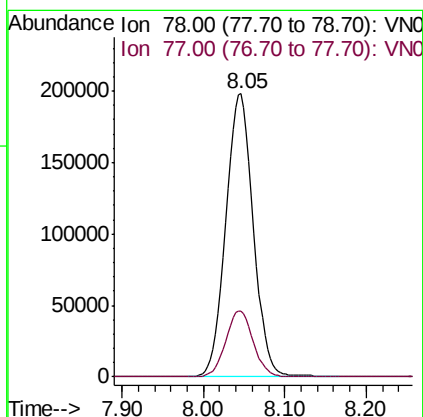
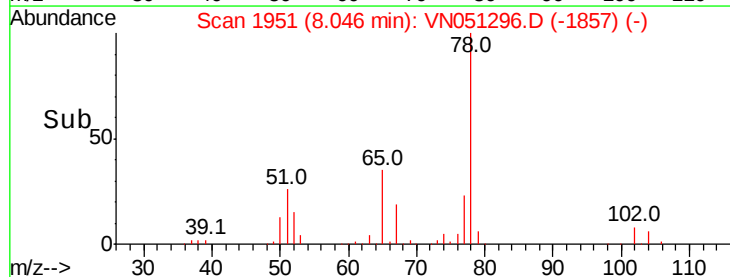
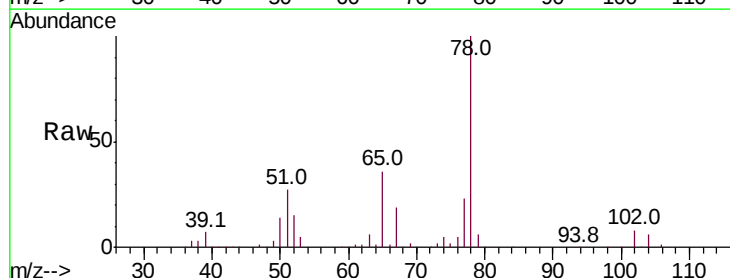
Instrument :
MSVOA_N
ClientSampled :

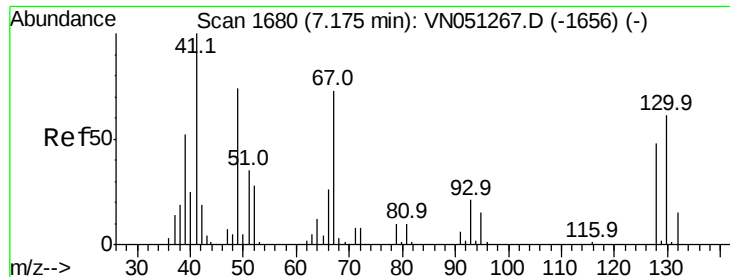
Tot Ion: 83 Resp: 162252
Ion Ratio Lower Upper
83 100
55 73.6 58.7 88.1
98 45.8 37.3 55.9



#40
Benzene
Concen: 19.809 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 78 Resp: 470394
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4





#41

Methacrylonitrile

Concen: 19.940 ug/l

RT: 7.18 min Scan# 1682

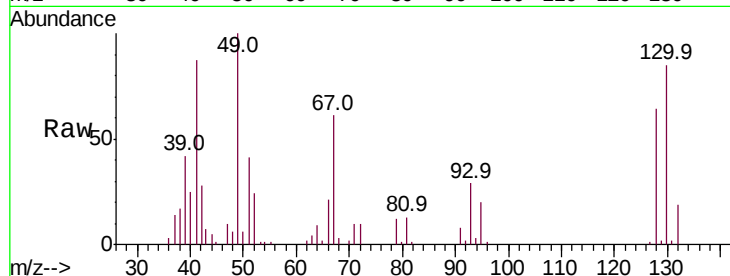
Delta R.T. 0.01 min

Lab File: VN051296.D

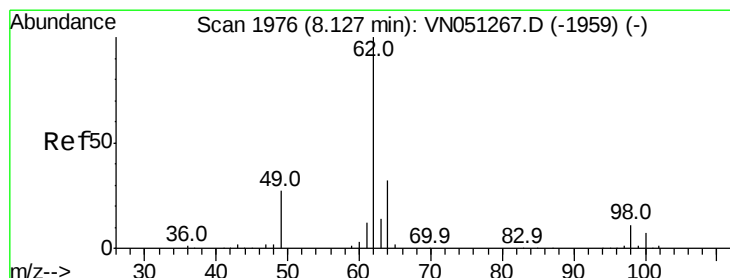
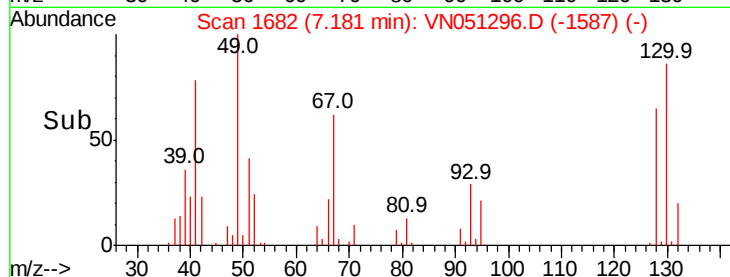
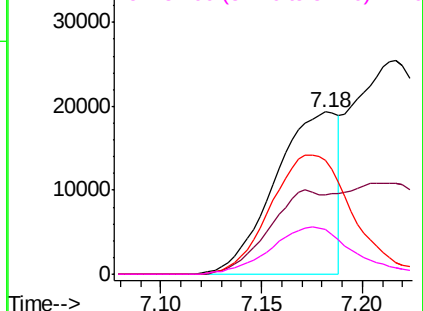
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	41982
Ion	Ratio	Lower	Upper
41	100		
39	44.9	47.8	71.6#
67	95.8	69.8	104.6
52	38.5	26.6	40.0



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



#42

1,2-Dichloroethane

Concen: 20.158 ug/l

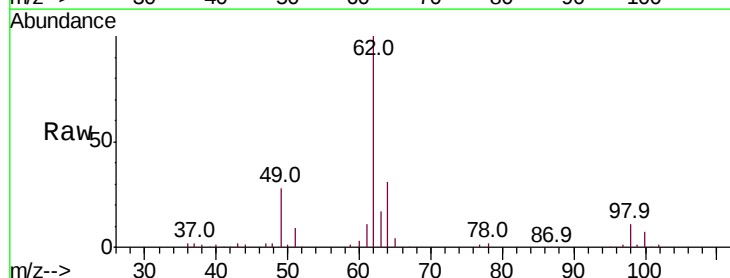
RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

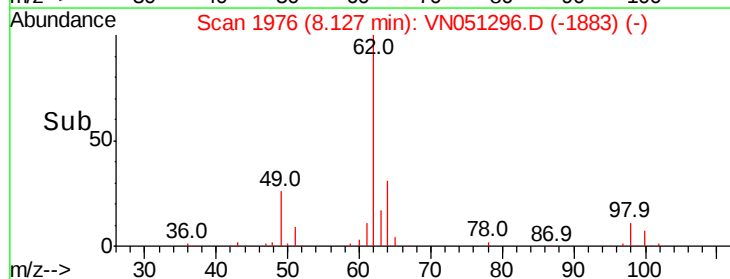
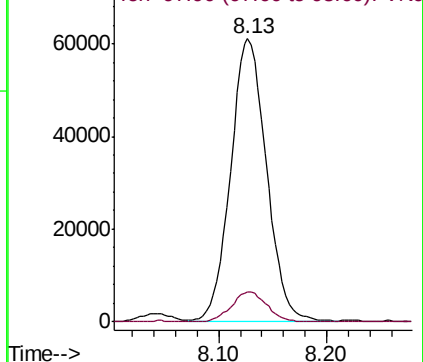
Lab File: VN051296.D

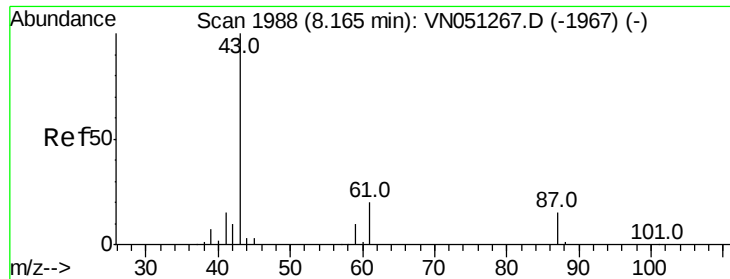
Acq: 18 Sep 2018 14:36

Tgt Ion:	62	Resp:	140749
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 21.398 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

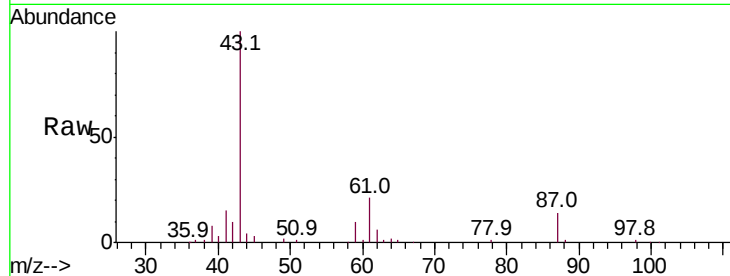
Tot Ion: 43 Resp: 151914

Ion Ratio Lower Upper

43 100

61 30.4 17.4 26.2#

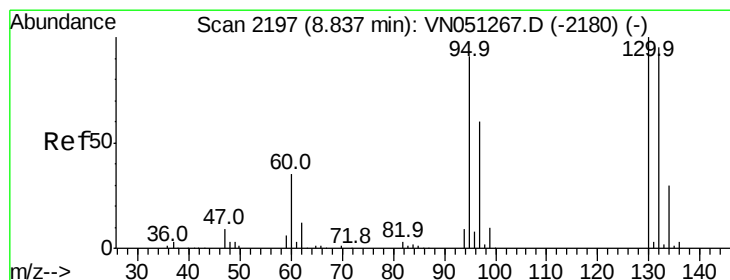
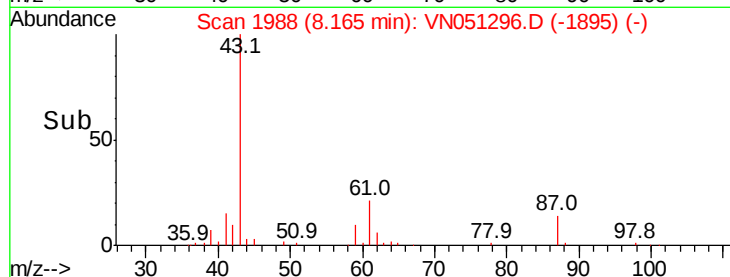
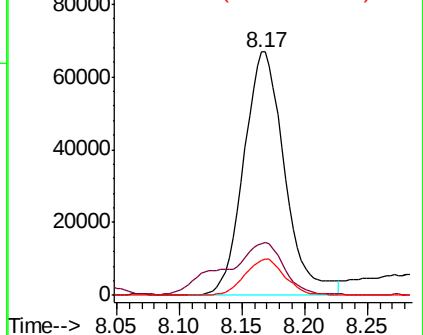
87 14.6 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN051296.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051296.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051296.D (-1967) (-)



#44

Trichloroethene

Concen: 19.260 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051296.D

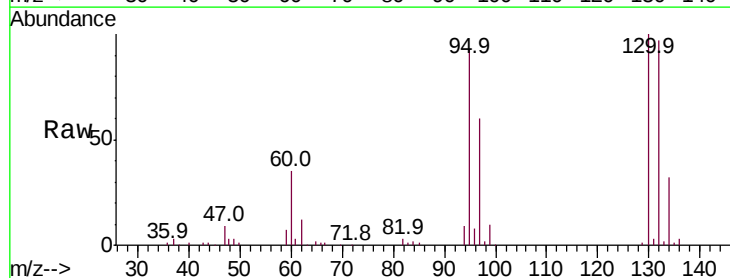
Acq: 18 Sep 2018 14:36

Tgt Ion: 130 Resp: 128570

Ion Ratio Lower Upper

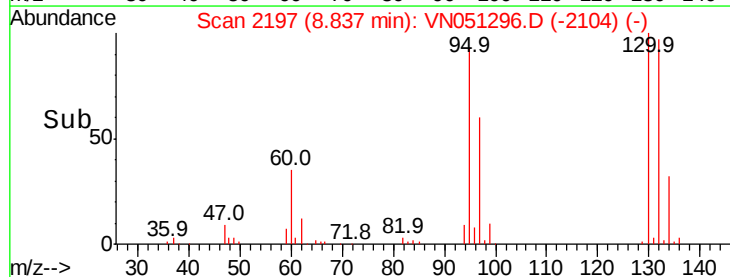
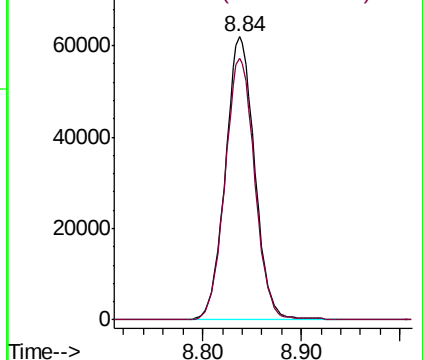
130 100

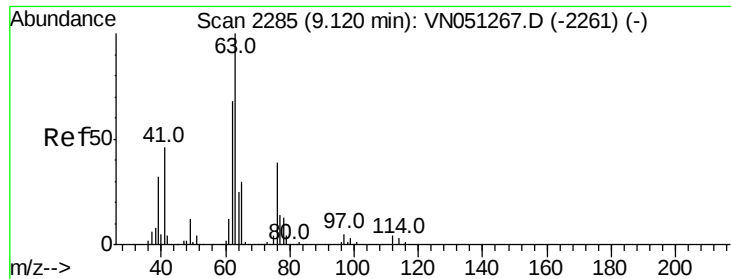
95 92.6 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051296.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN051296.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 20.444 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

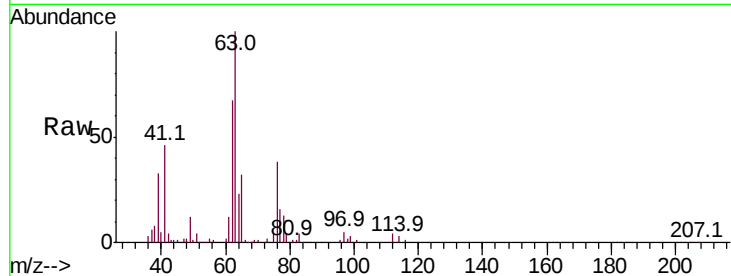
ClientSampleId :

Tot Ion: 63 Resp: 123081

Ion Ratio Lower Upper

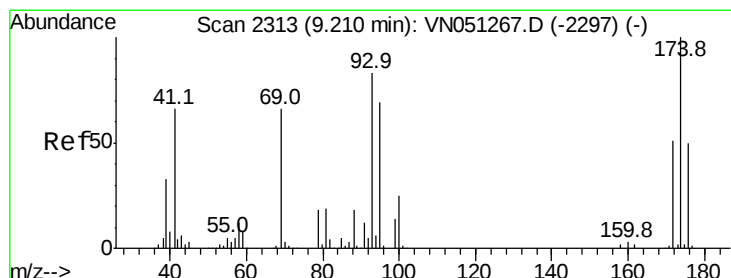
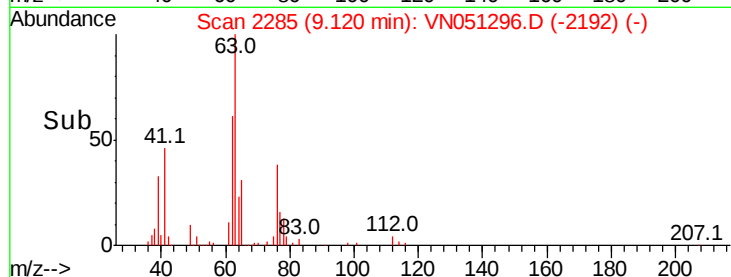
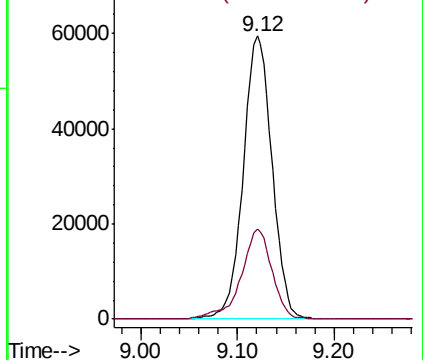
63 100

65 31.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.005 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

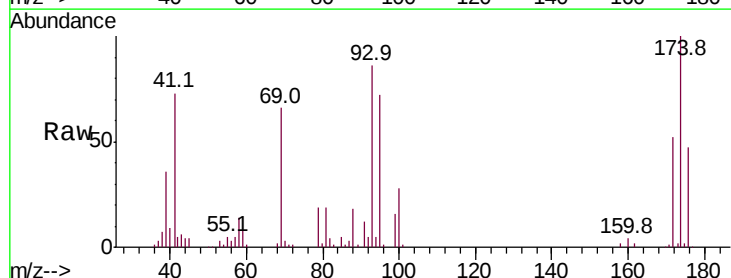
Tgt Ion: 93 Resp: 73366

Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

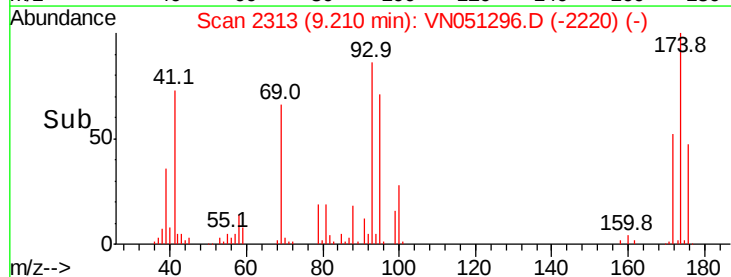
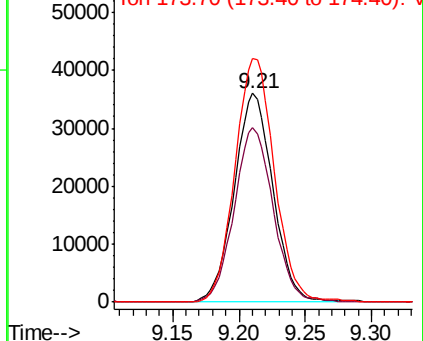
174 118.9 95.6 143.4

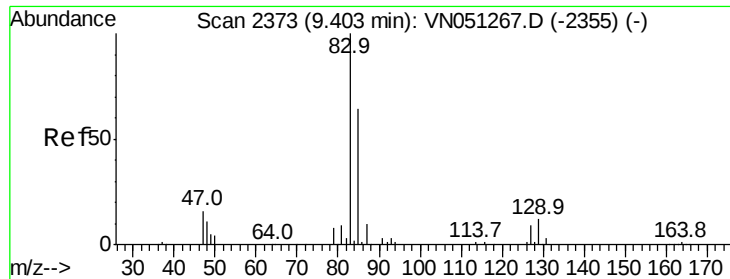


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 19.962 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :

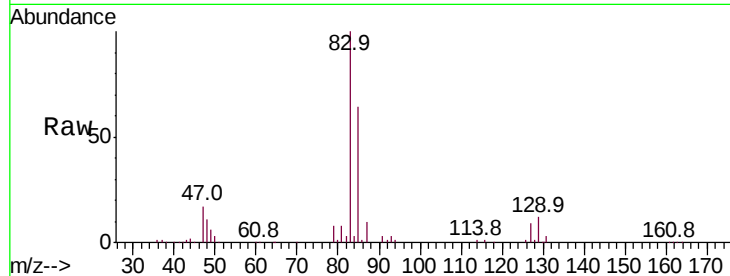
Tot Ion: 83 Resp: 156033

Ion Ratio Lower Upper

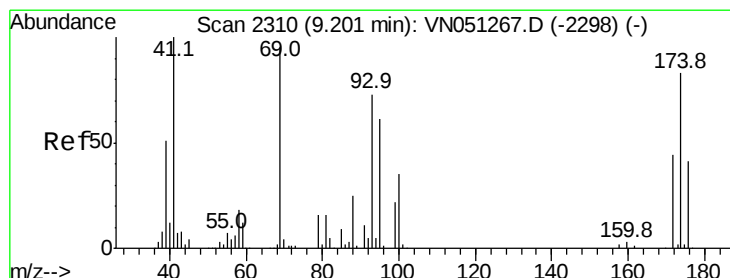
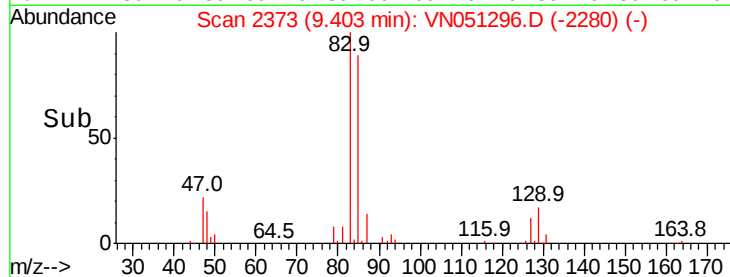
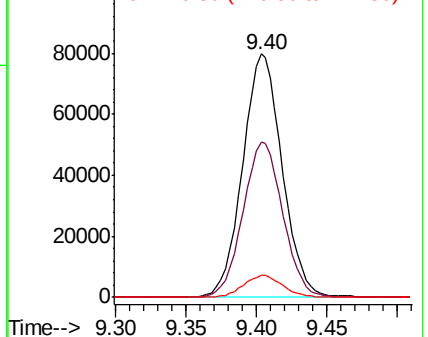
83 100

85 64.0 51.0 76.4

127 8.9 7.1 10.7



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



#48

Methyl methacrylate

Concen: 20.753 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

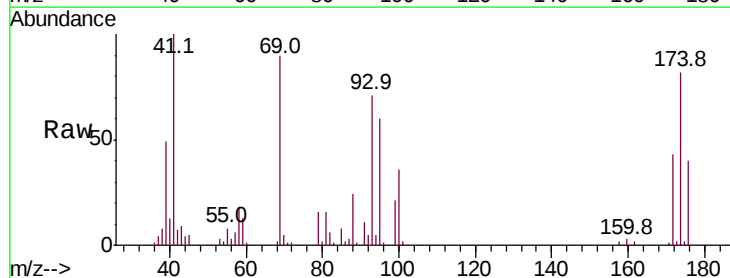
Tgt Ion: 41 Resp: 70956

Ion Ratio Lower Upper

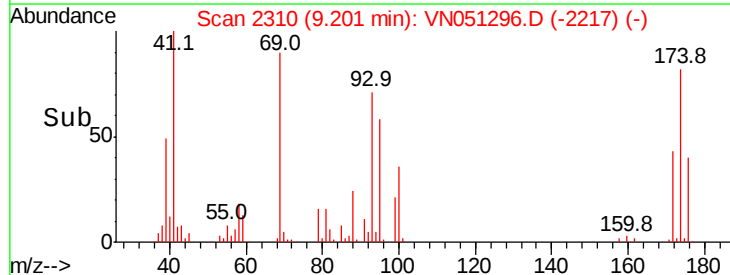
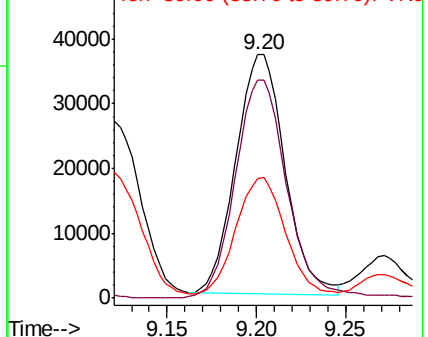
41 100

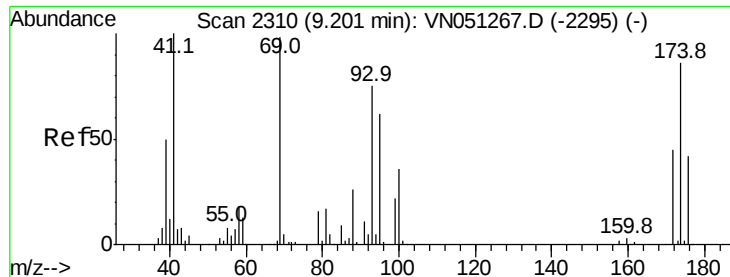
69 95.6 78.9 118.3

39 51.7 42.2 63.2



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





#49

1,4-Dioxane

Concen: 391.394 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :

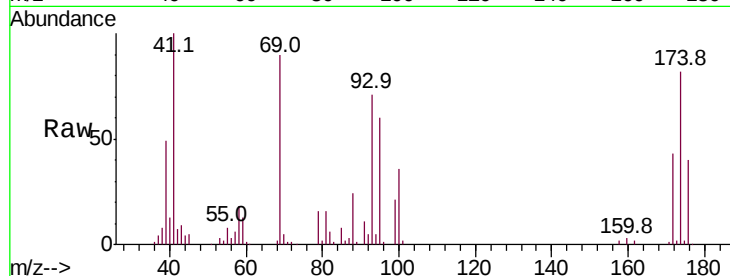
Tot Ion: 88 Resp: 19361

Ion Ratio Lower Upper

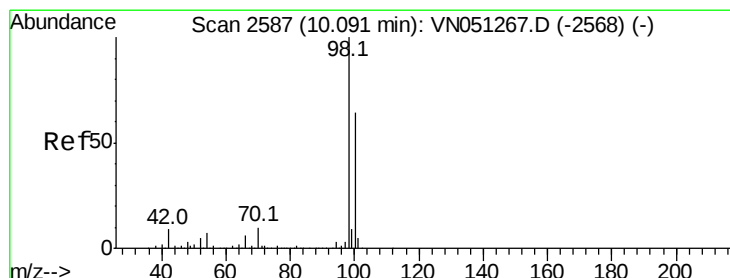
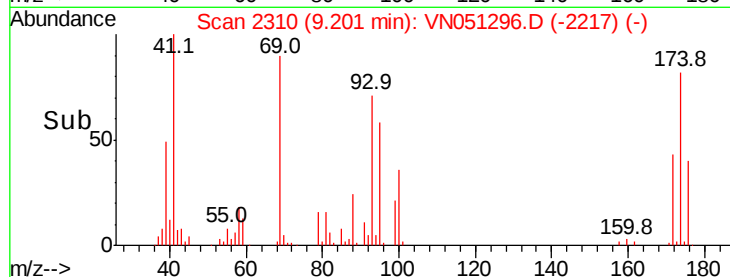
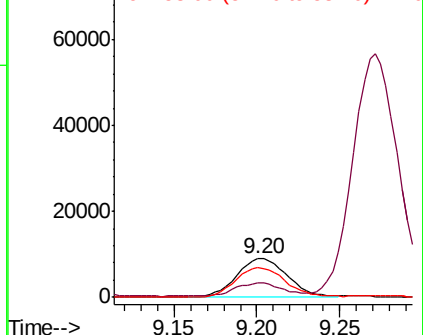
88 100

43 29.4 25.3 37.9

58 75.6 54.9 82.3



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



#50

Toluene-d8

Concen: 49.094 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051296.D

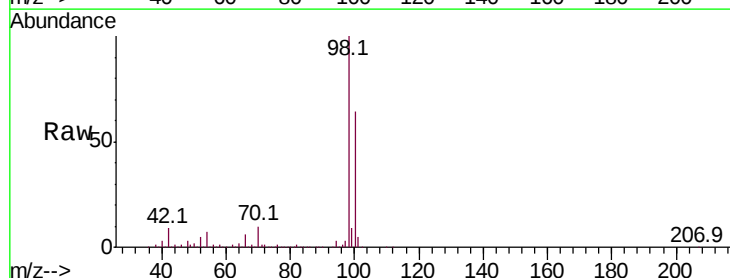
Acq: 18 Sep 2018 14:36

Tgt Ion: 98 Resp: 1039704

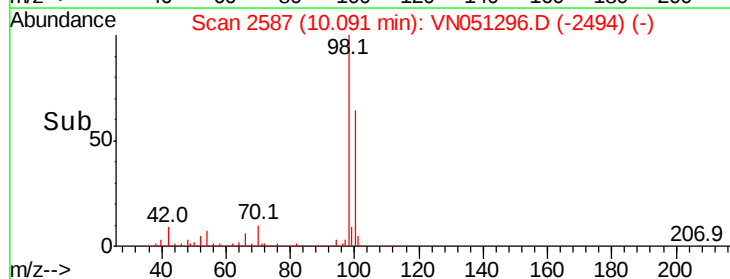
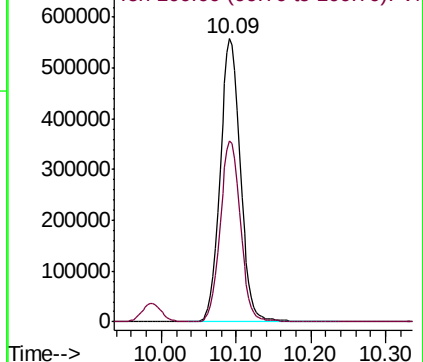
Ion Ratio Lower Upper

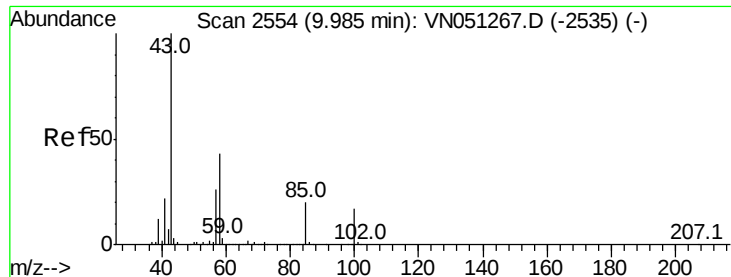
98 100

100 64.0 51.6 77.4



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

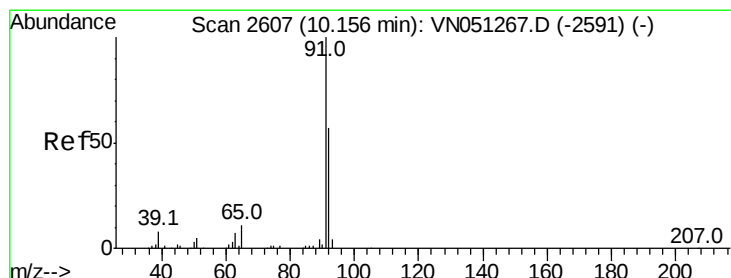
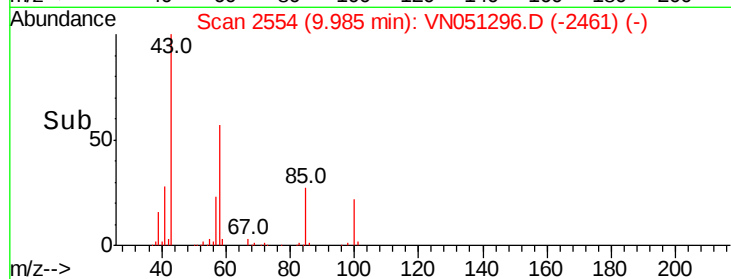
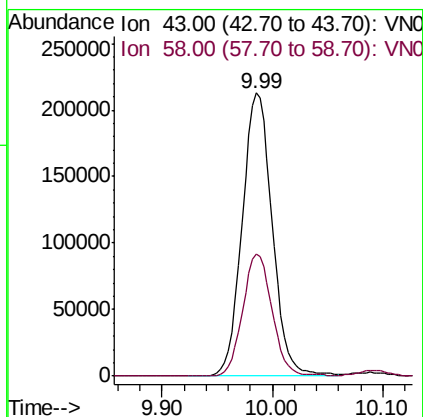
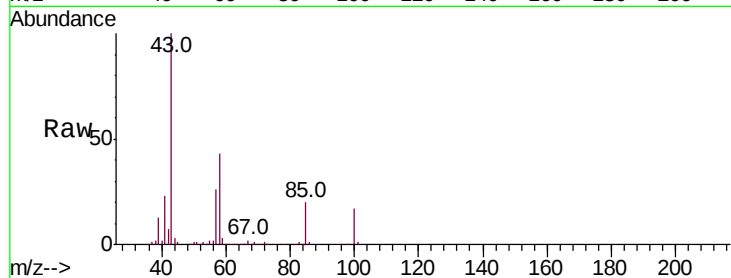




#51
 4-Methyl-2-Pentanone
 Concen: 109.256 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

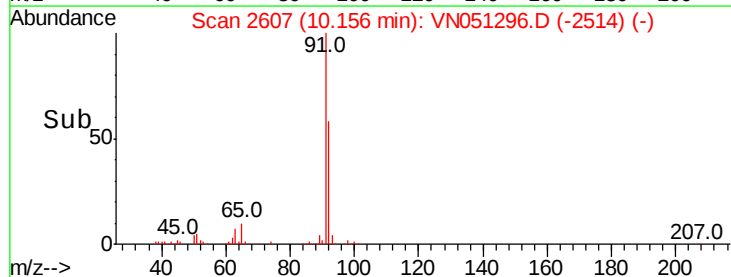
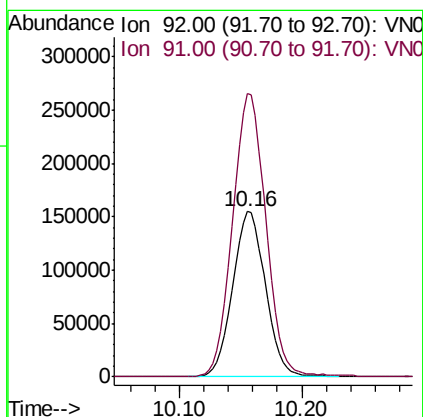
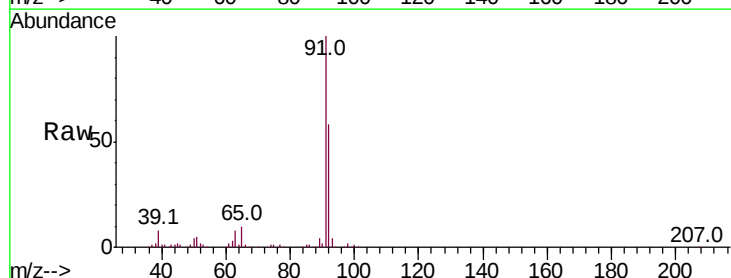
Instrument :
 MSVOA_N
 ClientSampleId :

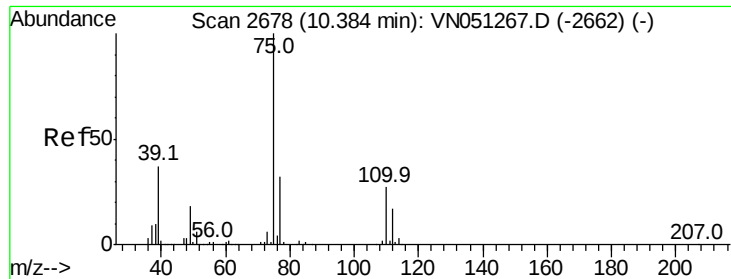
Tot Ion: 43 Resp: 400231
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.6



#52
 Toluene
 Concen: 20.399 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion: 92 Resp: 289971
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.2 208.8

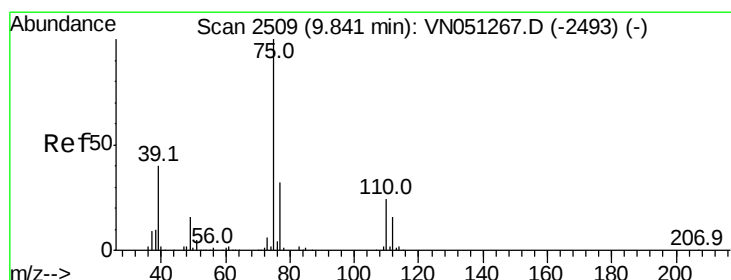
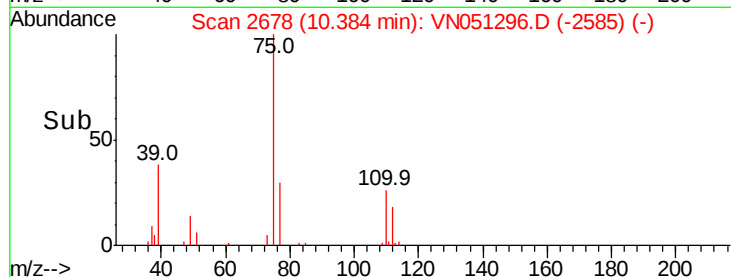
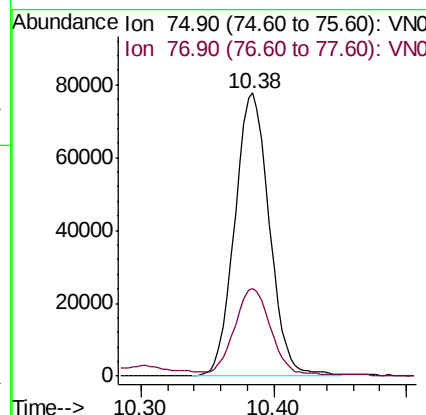
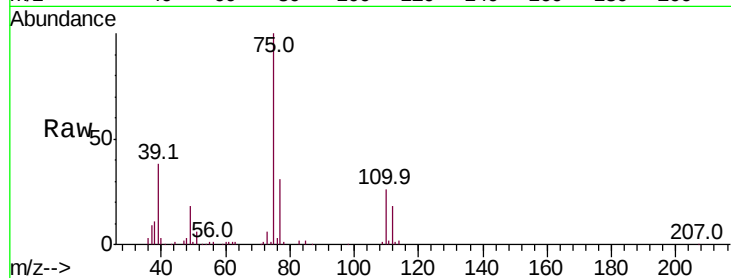




#53
t-1,3-Dichloropropene
Concen: 19.251 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

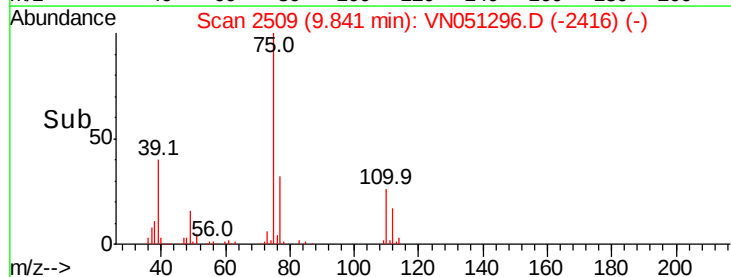
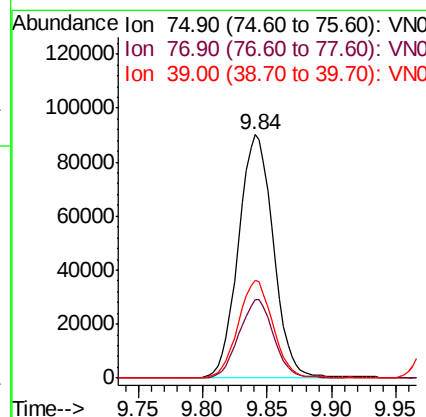
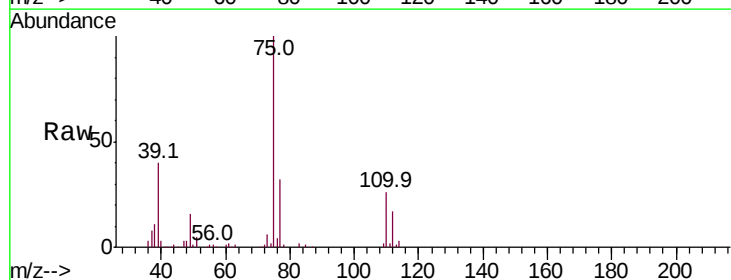
Instrument :
MSVOA_N
ClientSampled :

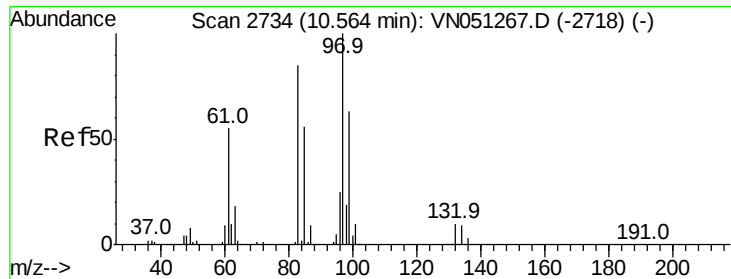
Tot Ion: 75 Resp: 141398
Ion Ratio Lower Upper
75 100
77 30.3 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 19.434 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 75 Resp: 170491
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8
39 40.1 31.8 47.8





#55

1,1,2-Trichloroethane

Concen: 20.567 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 104543

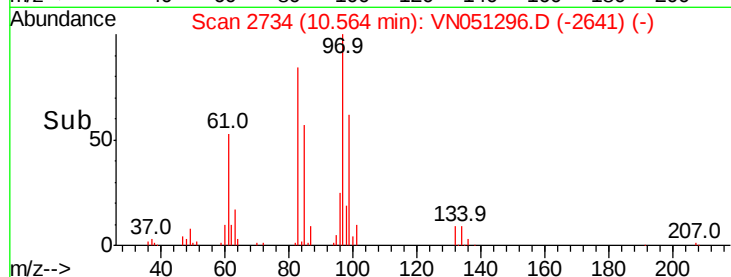
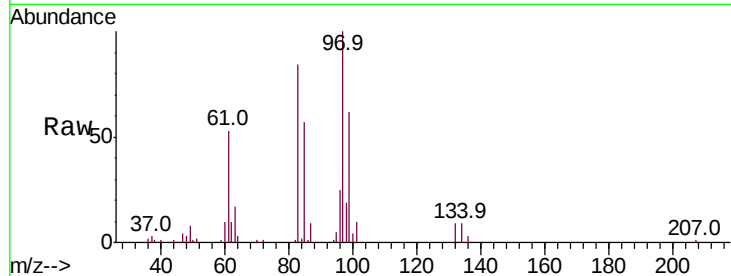
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.7	101.5
85	56.5	44.5	66.7
99	62.0	50.4	75.6

97 100

83 83.6 67.7 101.5

85 56.5 44.5 66.7

99 62.0 50.4 75.6

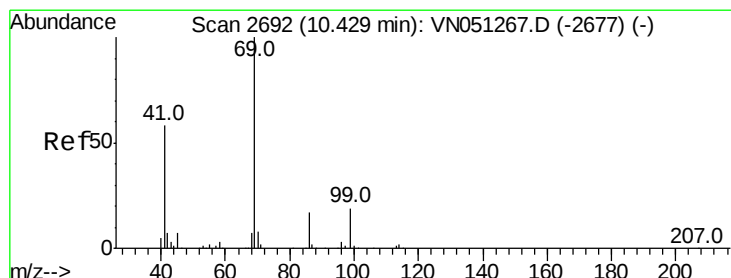
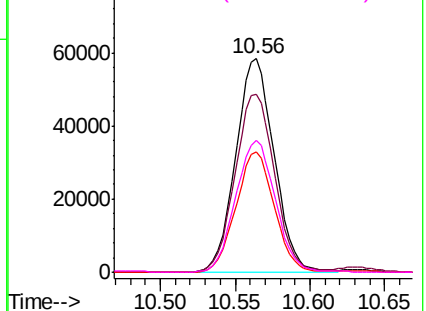


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.114 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

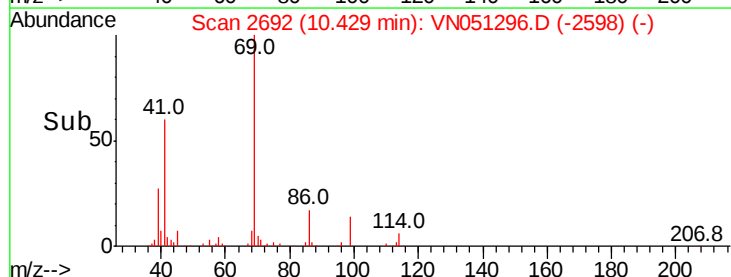
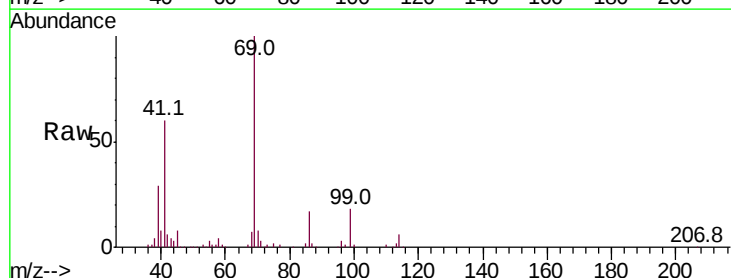
Tgt Ion: 69 Resp: 114997

Ion	Ratio	Lower	Upper
69	100		
41	58.7	47.4	71.0
39	28.4	23.7	35.5

69 100

41 58.7 47.4 71.0

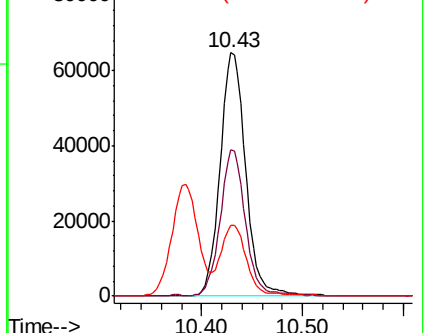
39 28.4 23.7 35.5

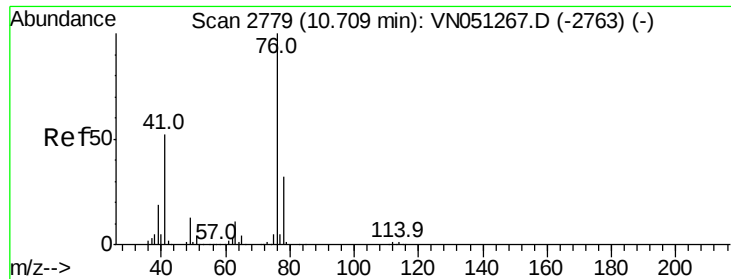


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.583 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

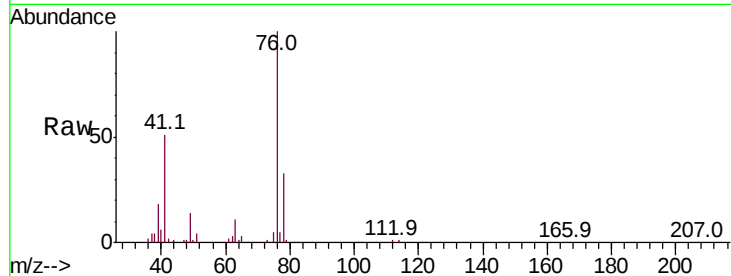
ClientSampled :

Tot Ion: 76 Resp: 170421

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

10.71

80000

60000

40000

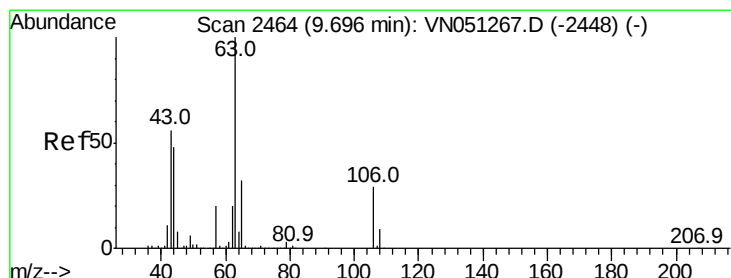
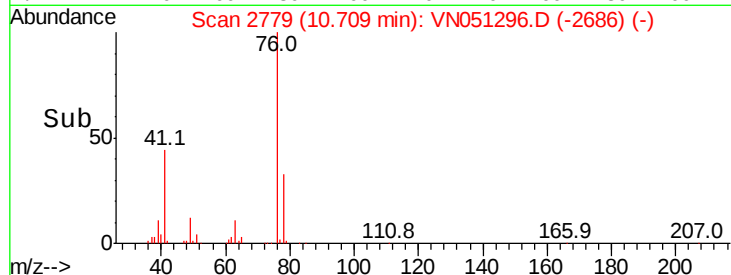
20000

0

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 92.071 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051296.D

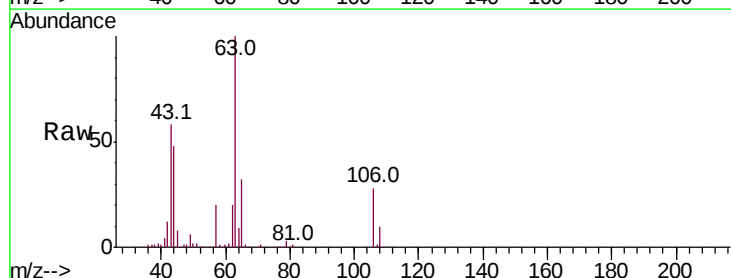
Acq: 18 Sep 2018 14:36

Tgt Ion: 63 Resp: 248637

Ion Ratio Lower Upper

63 100

106 28.2 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 105.90 (105.60 to 106.60): VNO

9.70

150000

100000

50000

0

9.60

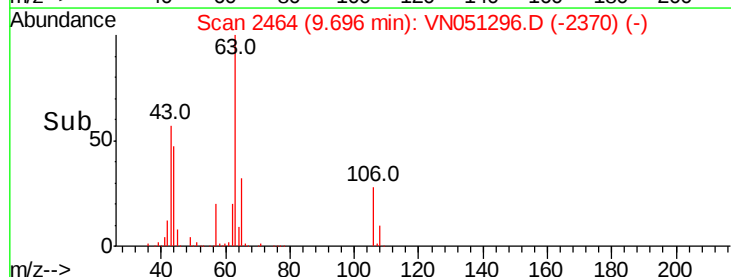
9.65

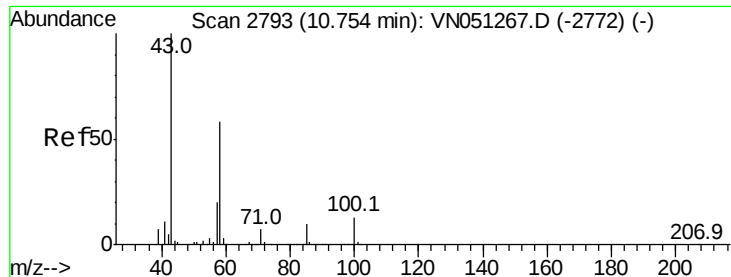
9.70

9.75

9.80

Time-->

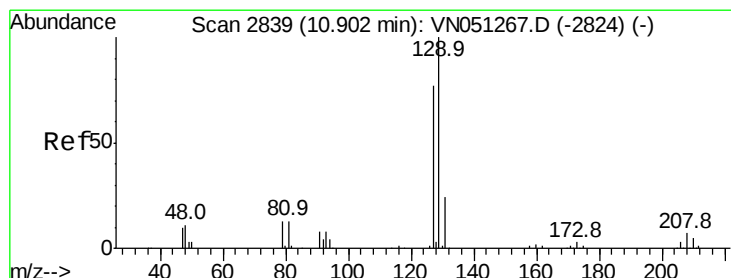
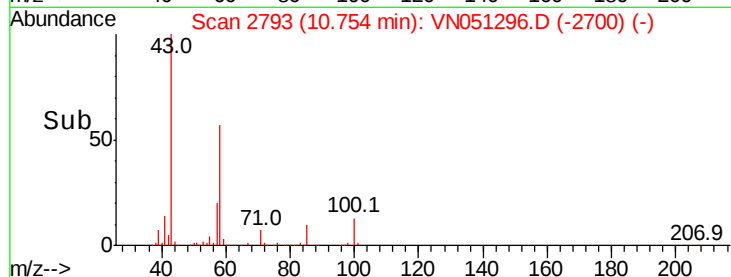
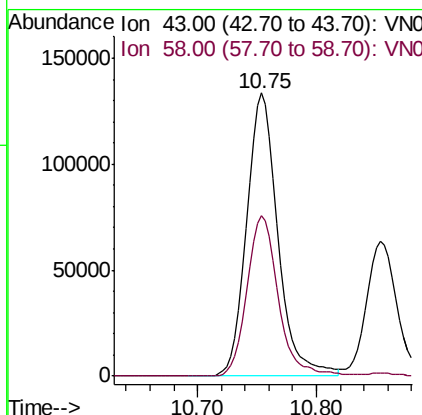
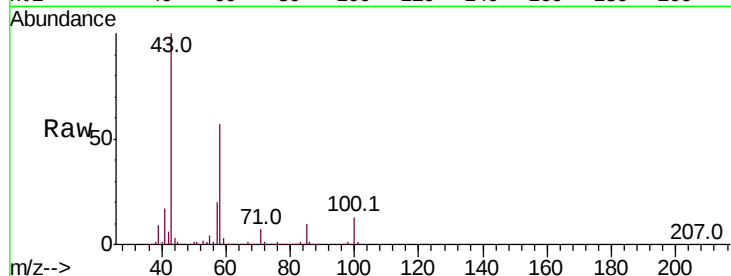




#59
2-Hexanone
Concen: 100.533 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

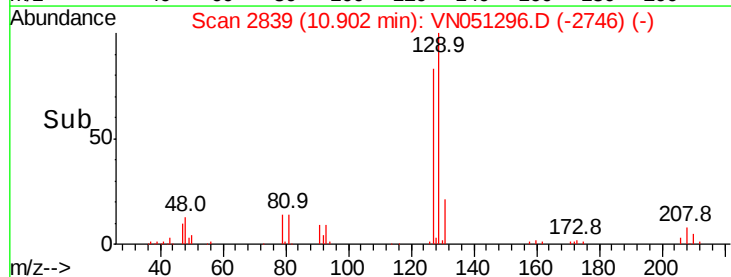
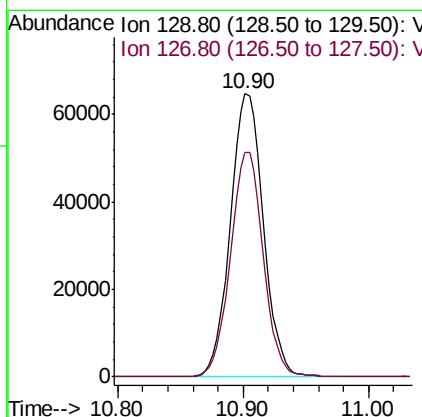
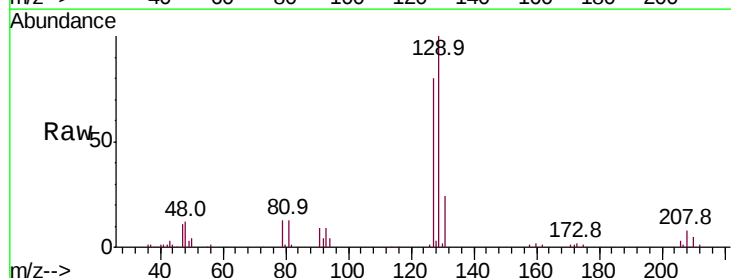
Instrument :
MSVOA_N
ClientSampled :

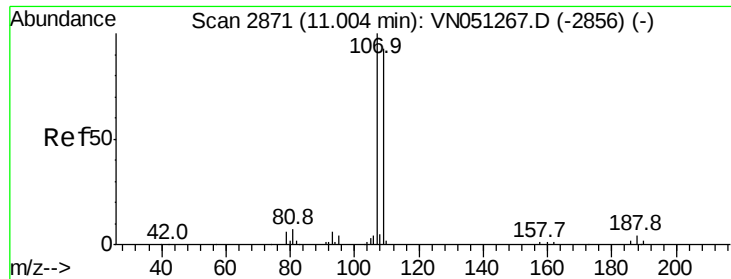
Tot Ion: 43 Resp: 242477
Ion Ratio Lower Upper
43 100
58 57.1 28.9 86.8



#60
Dibromochloromethane
Concen: 19.847 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 129 Resp: 118721
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.554 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

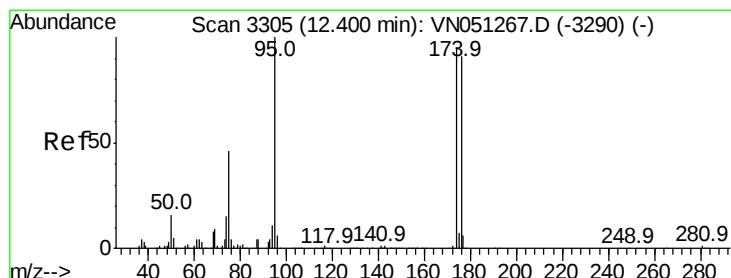
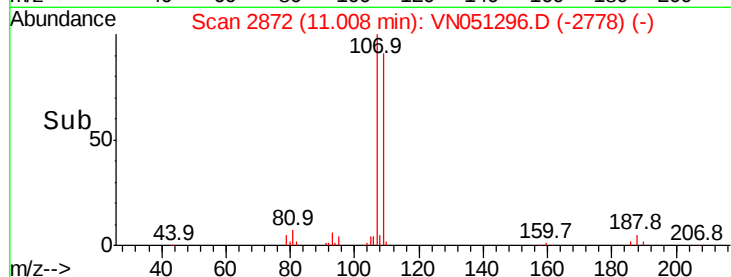
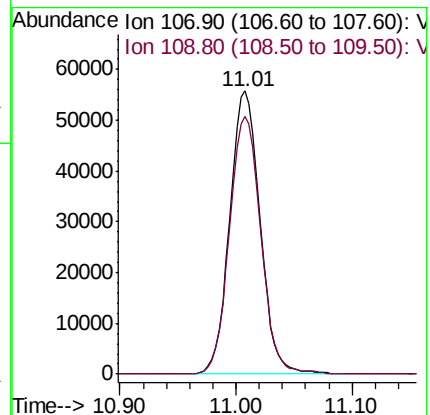
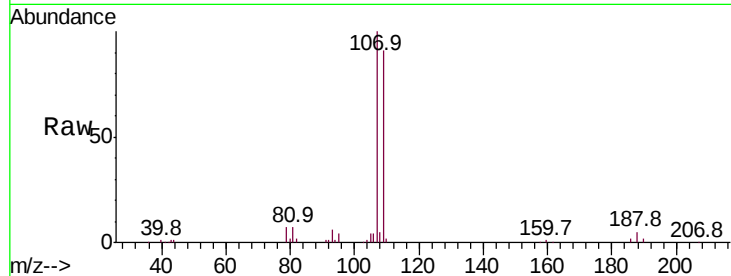
ClientSampleId :

Tot Ion:107 Resp: 100415

Ion Ratio Lower Upper

107 100

109 94.2 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 46.474 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

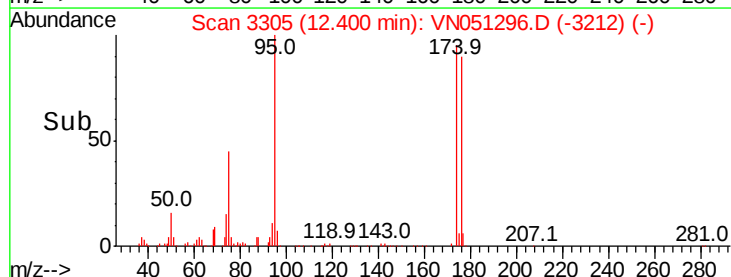
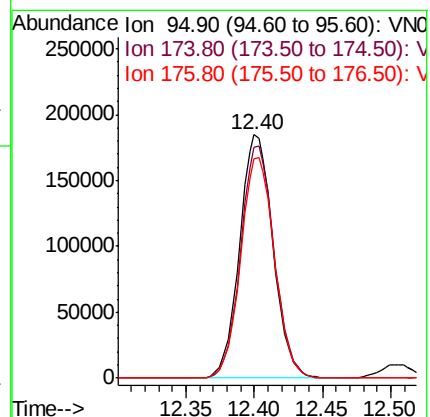
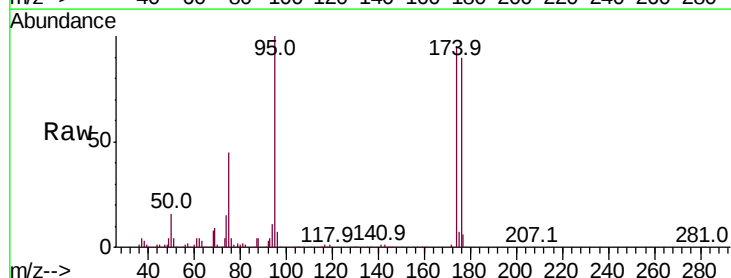
Tgt Ion: 95 Resp: 313050

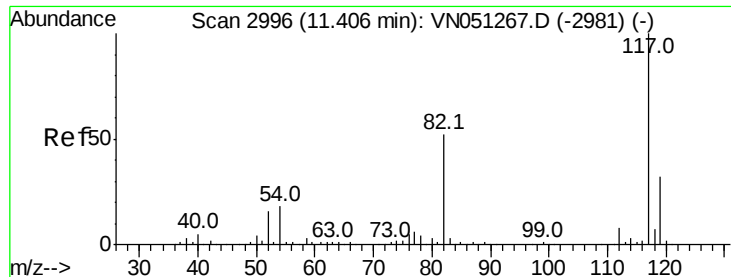
Ion Ratio Lower Upper

95 100

174 95.8 0.0 189.6

176 91.7 0.0 182.6

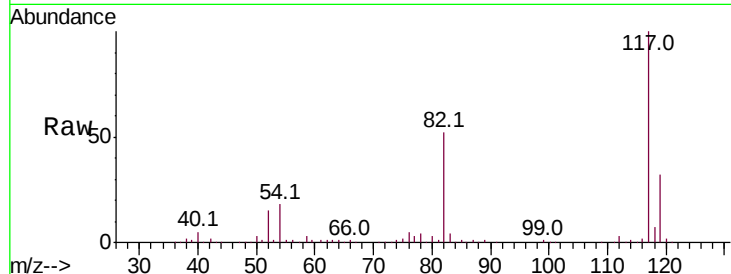




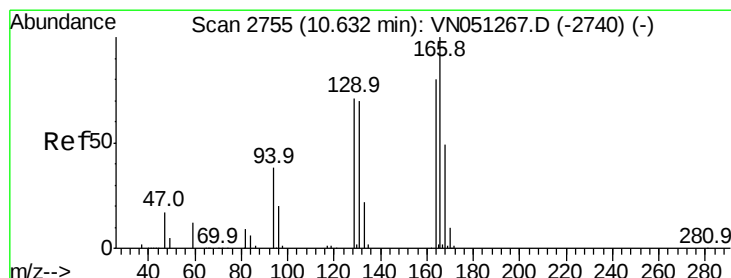
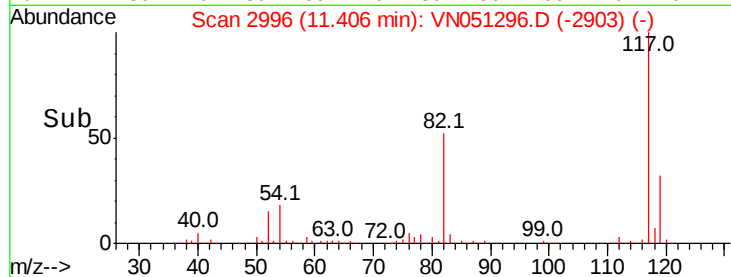
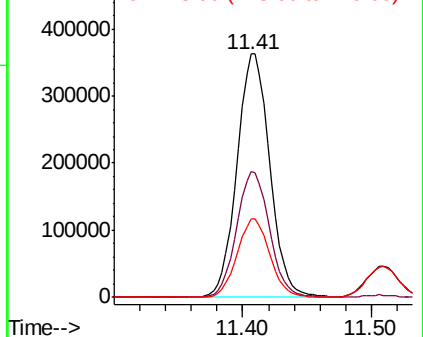
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 642824
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.2 25.6 38.4

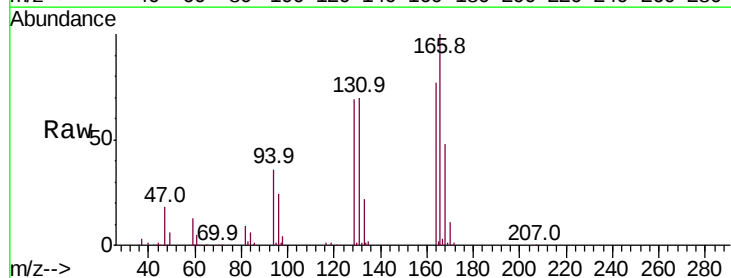


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

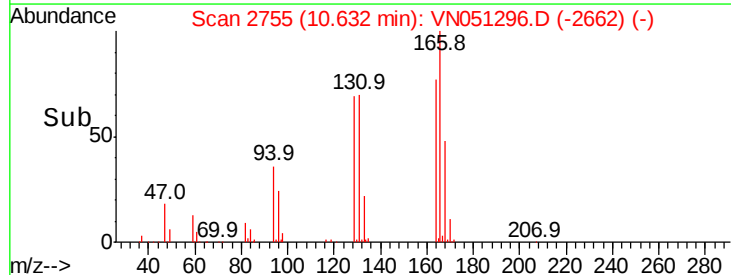
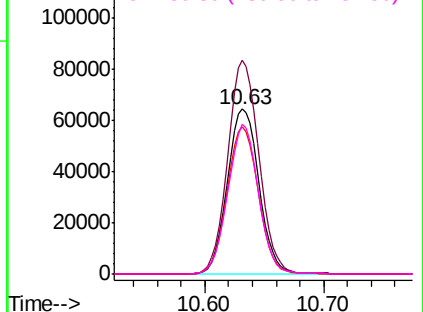


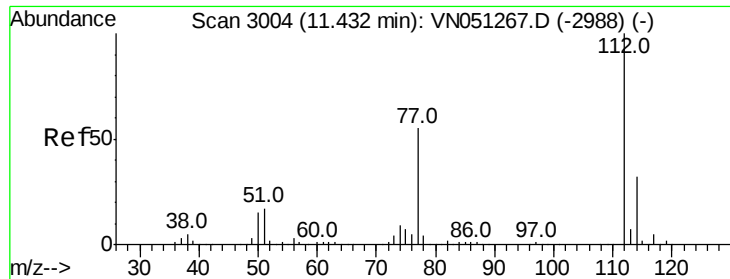
#64
Tetrachloroethene
Concen: 19.538 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion:164 Resp: 119231
Ion Ratio Lower Upper
164 100
166 129.6 100.0 150.0
129 89.6 70.8 106.2
131 90.7 69.6 104.4



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

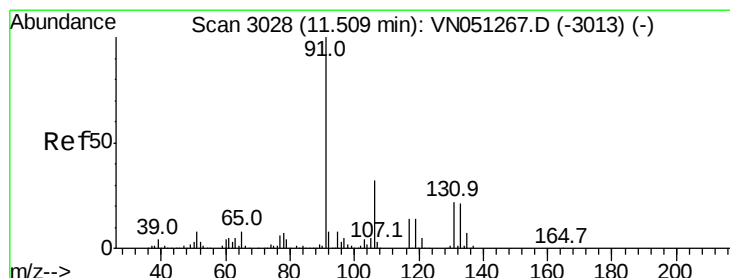
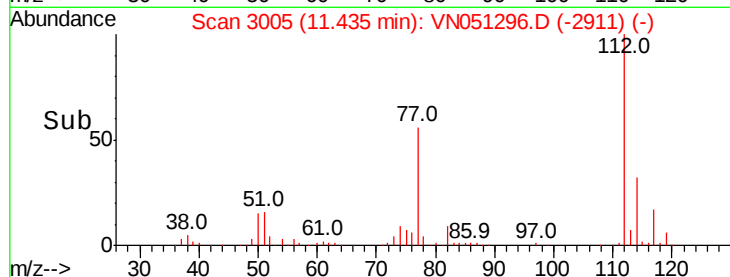
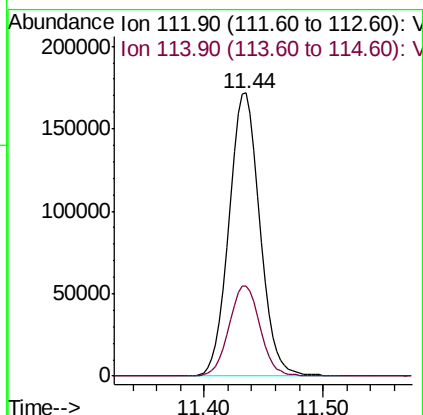
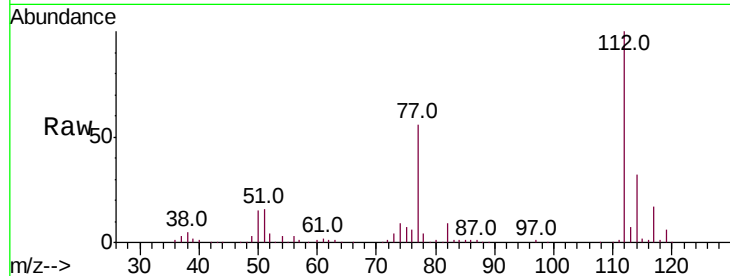




#65
Chlorobenzene
Concen: 19.403 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

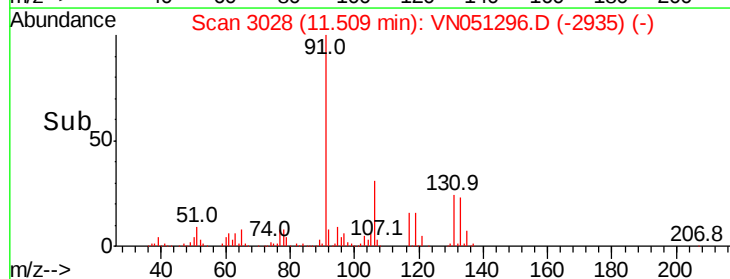
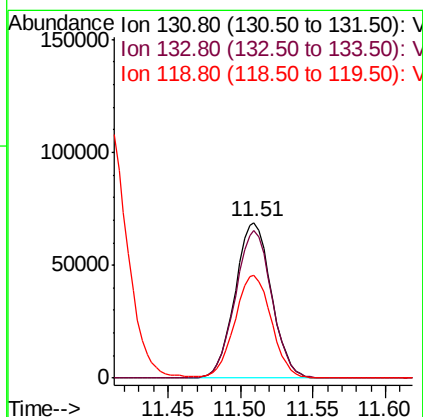
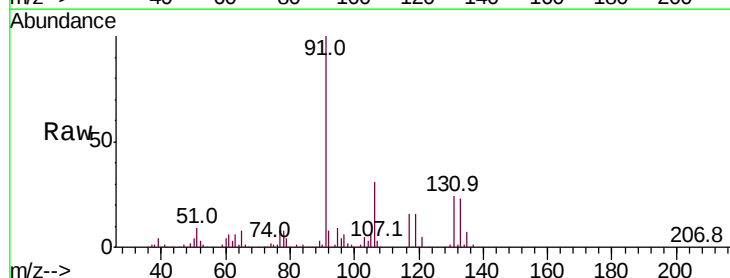
Instrument :
MSVOA_N
ClientSampled :

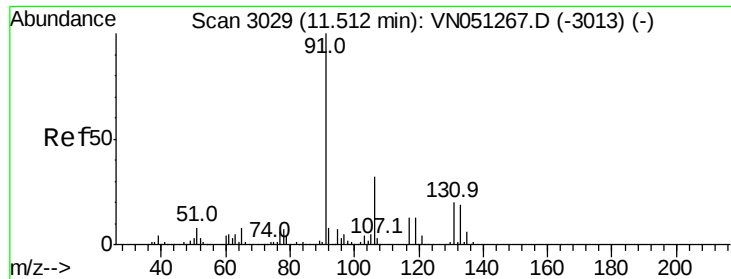
Tot Ion:112 Resp: 308511
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.920 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion:131 Resp: 119914
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.7
119 66.7 32.6 98.0

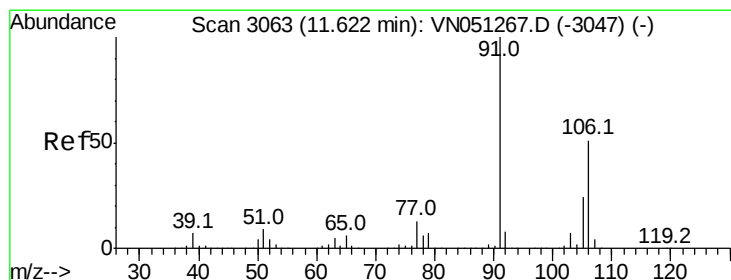
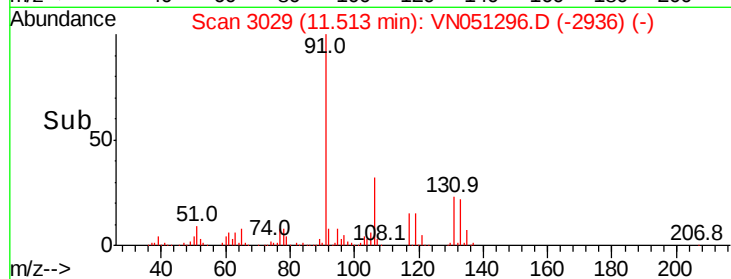
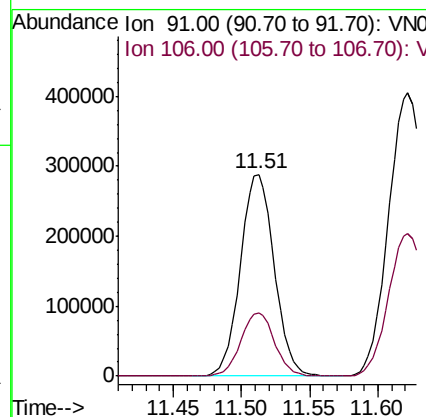
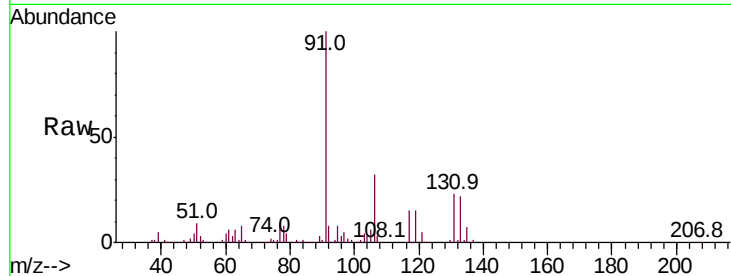




#67
Ethyl Benzene
Concen: 19.636 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

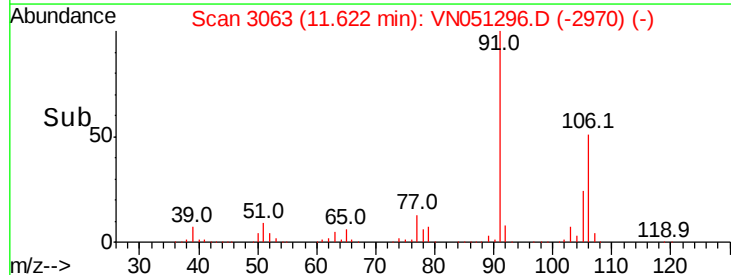
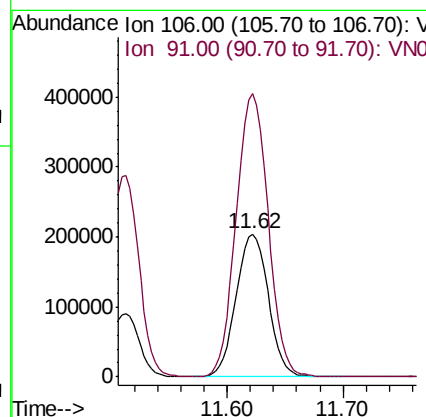
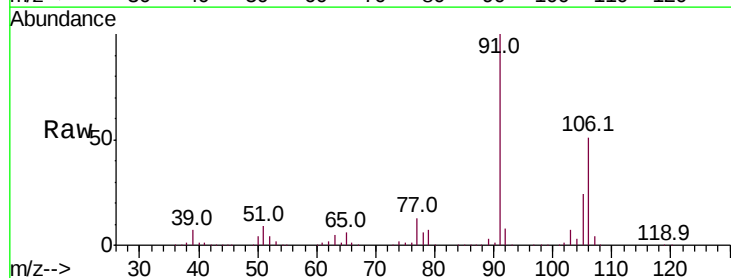
Instrument :
MSVOA_N
ClientSampled :

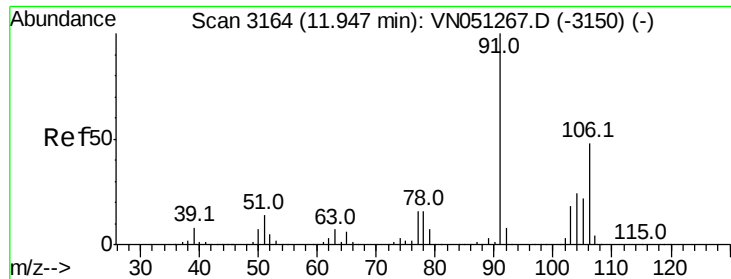
Tot Ion: 91 Resp: 497569
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5



#68
m/p-Xylenes
Concen: 40.052 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 106 Resp: 394253
Ion Ratio Lower Upper
106 100
91 197.6 158.6 238.0

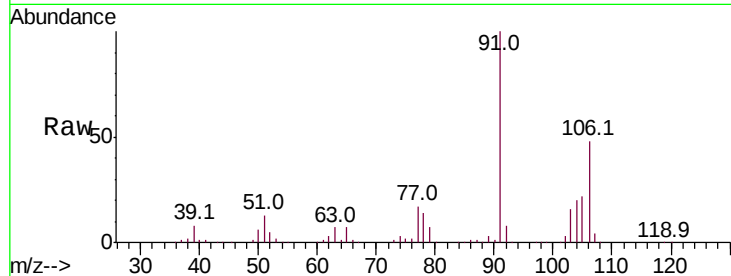




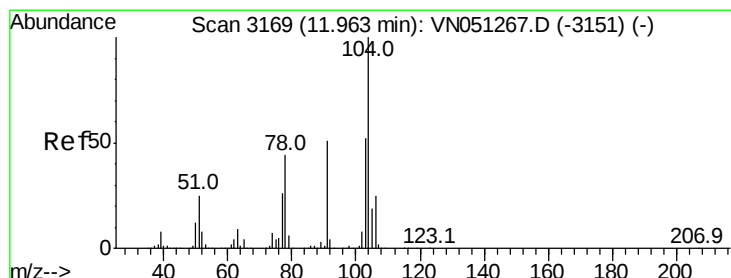
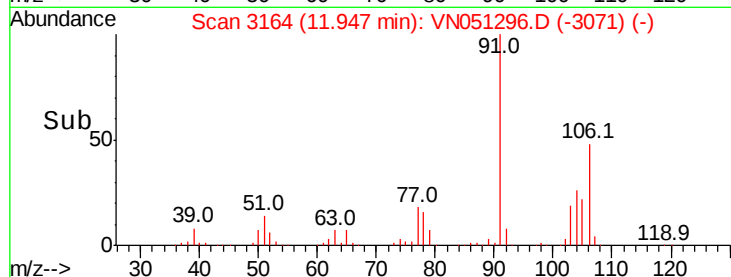
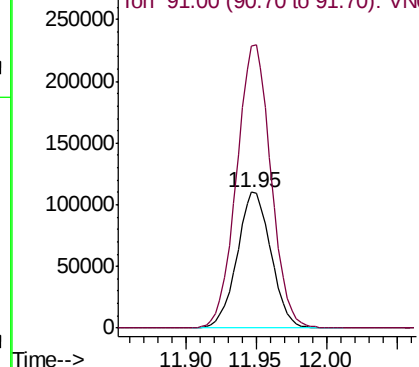
#69
o-Xylene
Concen: 19.827 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 186000
Ion Ratio Lower Upper
106 100
91 210.7 104.1 312.3

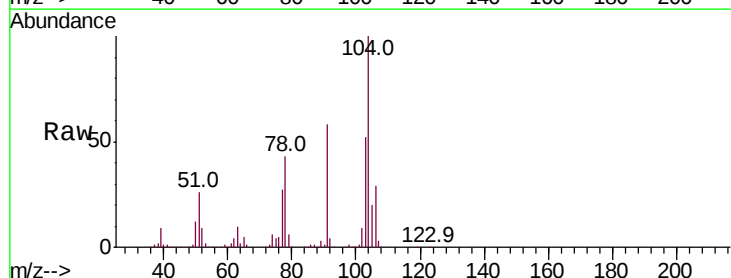


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

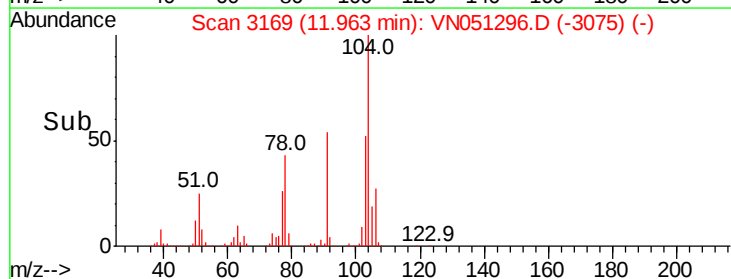
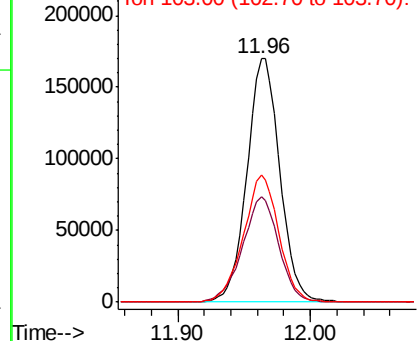


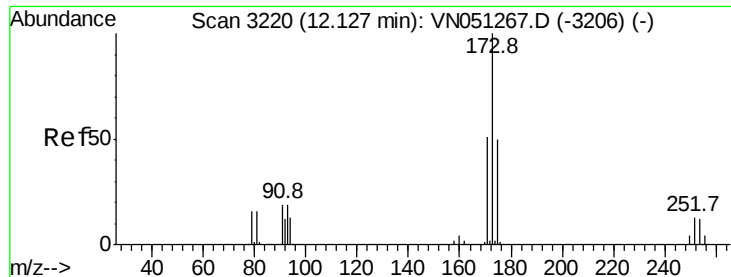
#70
Styrene
Concen: 18.494 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion:104 Resp: 293524
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 56.1 44.8 67.2



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





#71

Bromoform

Concen: 20.051 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampled :

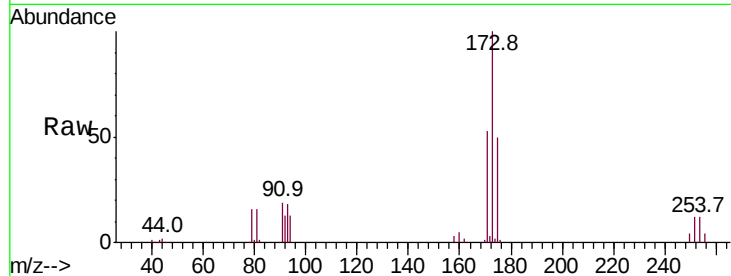
Tot Ion:173 Resp: 80043

Ion Ratio Lower Upper

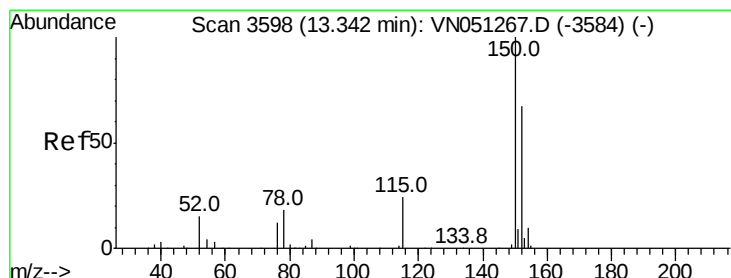
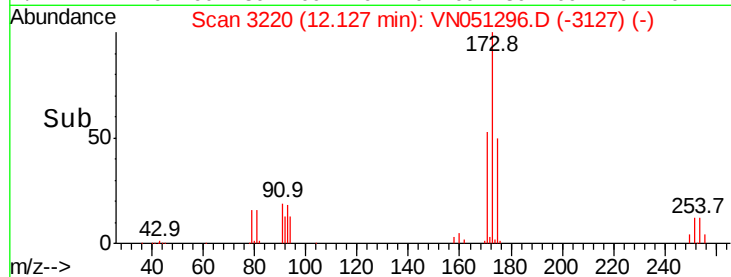
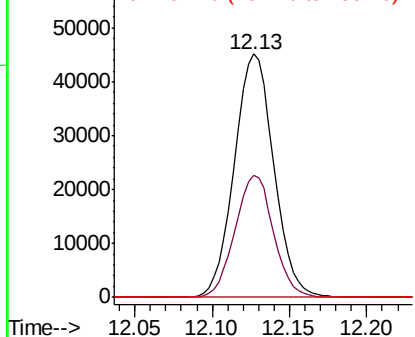
173 100

175 48.8 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

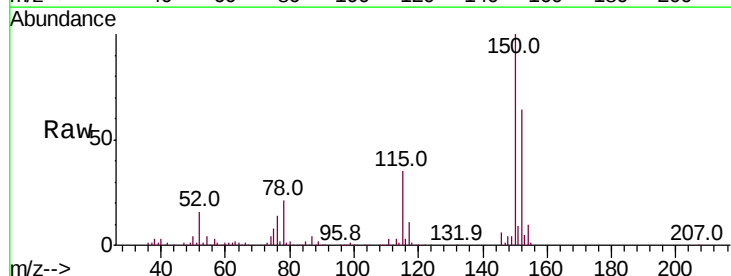
Tgt Ion:152 Resp: 296280

Ion Ratio Lower Upper

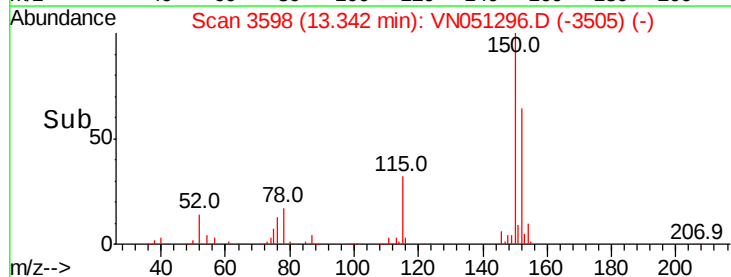
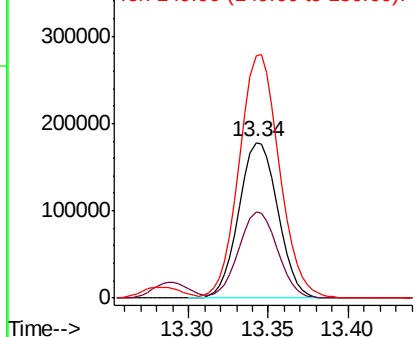
152 100

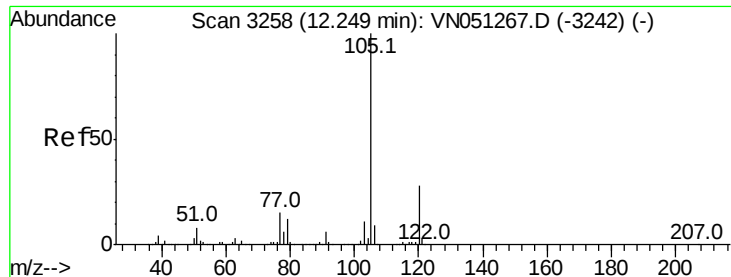
115 55.1 27.1 81.2

150 161.9 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.722 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

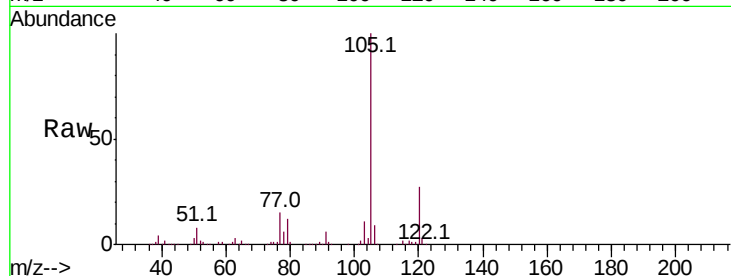
ClientSampleId :

Tot Ion:105 Resp: 492795

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

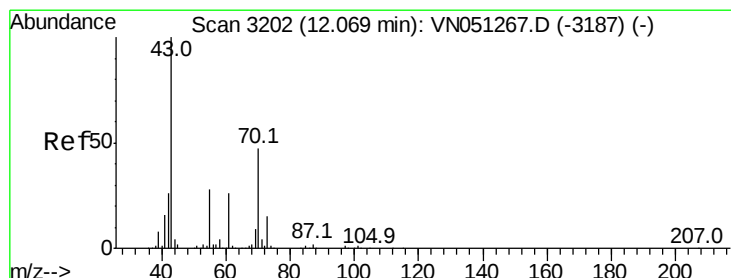
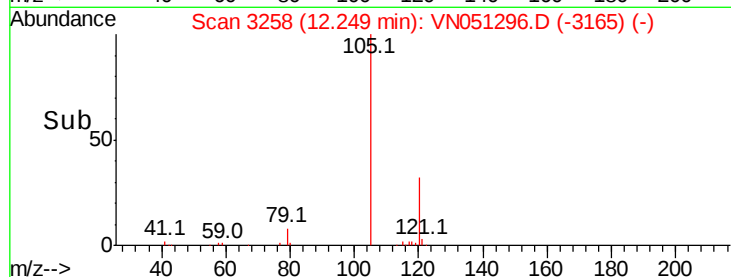
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 18.685 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion: 43 Resp: 95833

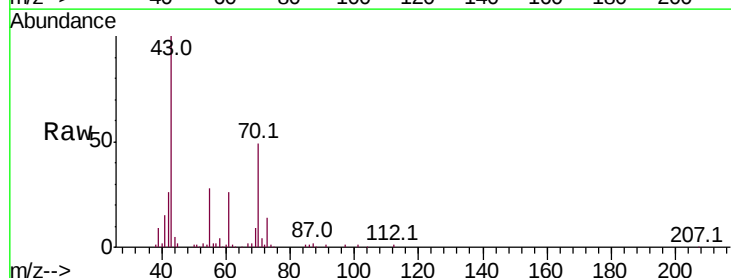
Ion Ratio Lower Upper

43 100

70 48.9 37.8 56.6

55 28.7 22.6 34.0

61 25.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

80000

60000

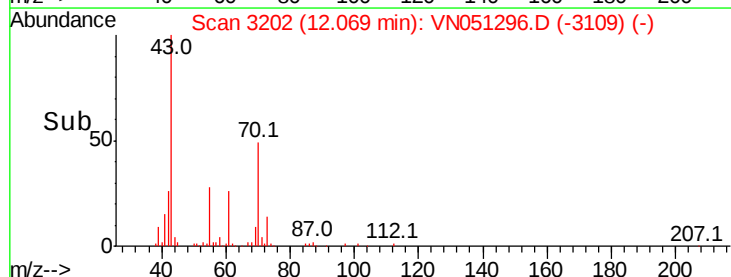
40000

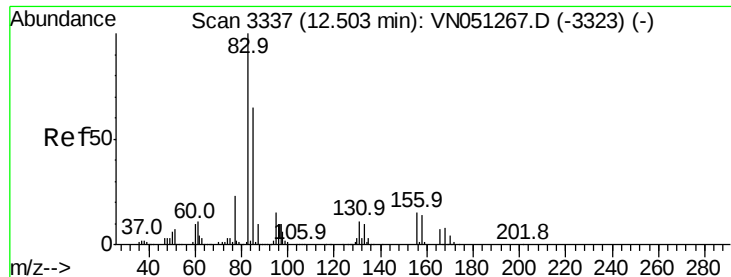
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 22.187 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

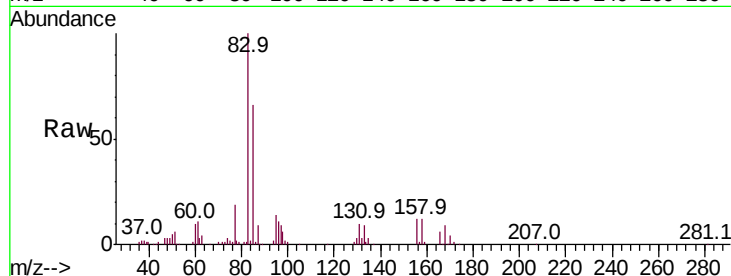
Tot Ion: 83 Resp: 123590

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

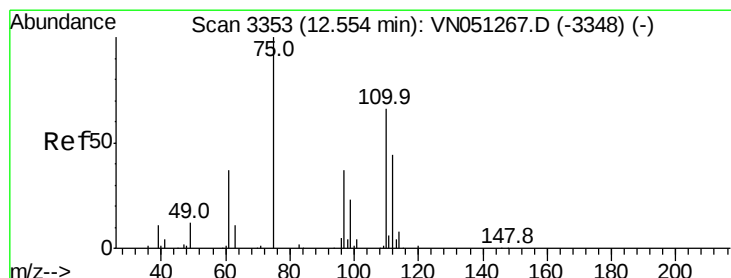
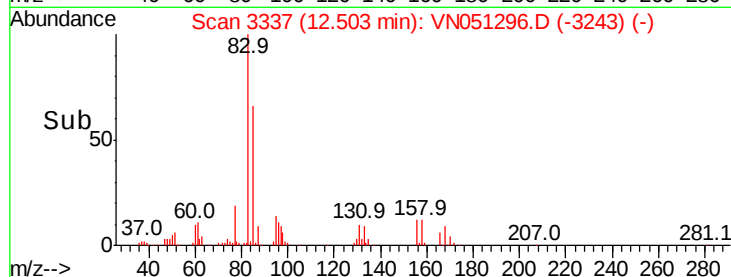
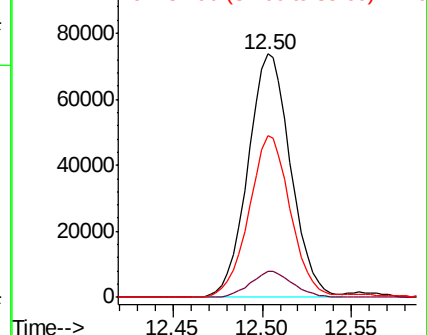
85 64.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN051296.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051296.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051296.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 32.564 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051296.D

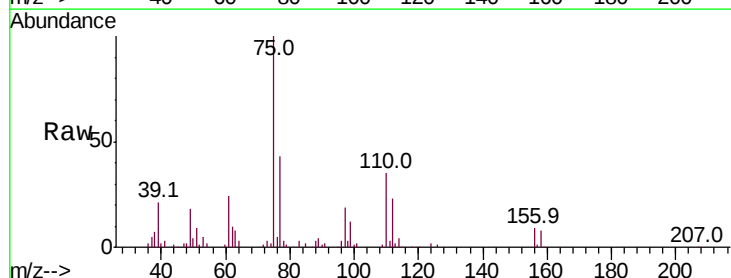
Acq: 18 Sep 2018 14:36

Tgt Ion: 75 Resp: 135848

Ion Ratio Lower Upper

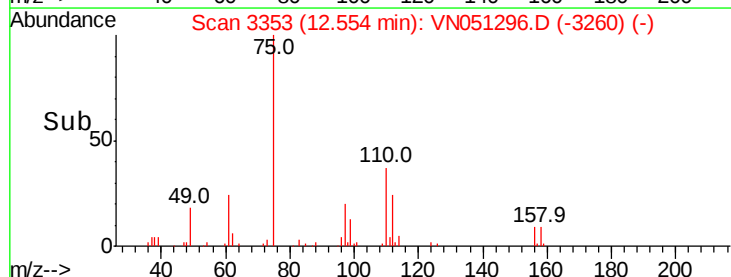
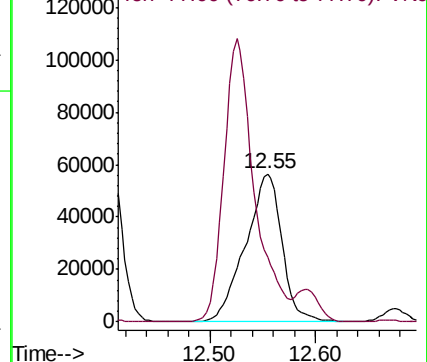
75 100

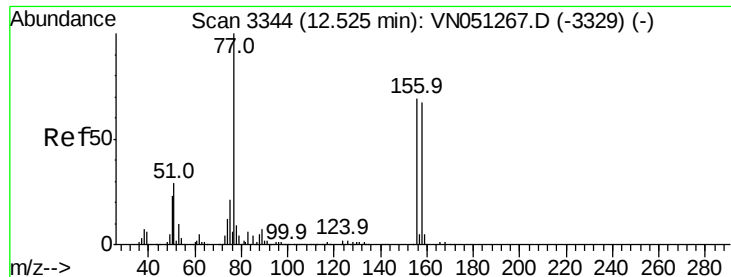
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051296.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051296.D (-3260) (-)





#77

Bromobenzene

Concen: 20.345 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampled :

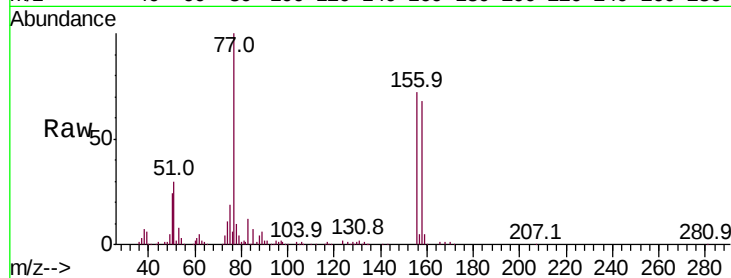
Tot Ion:156 Resp: 130465

Ion Ratio Lower Upper

156 100

77 167.4 83.7 251.1

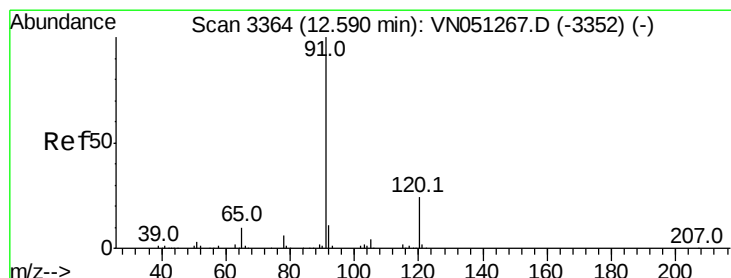
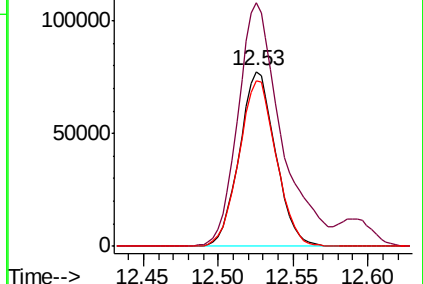
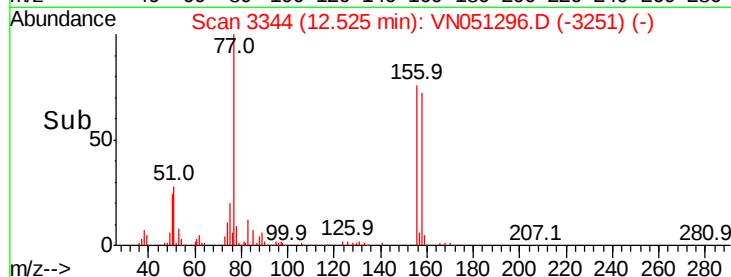
158 97.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.670 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051296.D

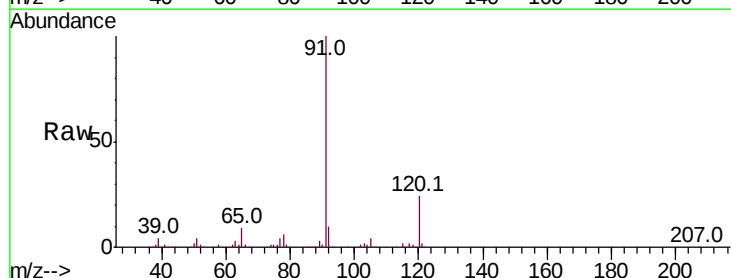
Acq: 18 Sep 2018 14:36

Tgt Ion: 91 Resp: 530144

Ion Ratio Lower Upper

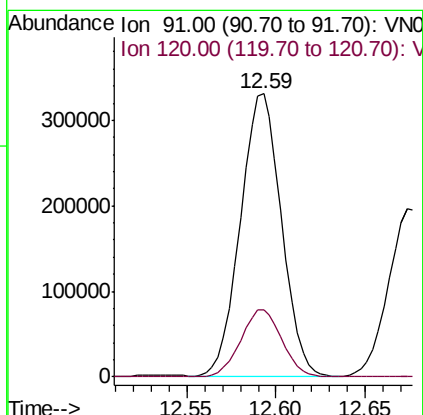
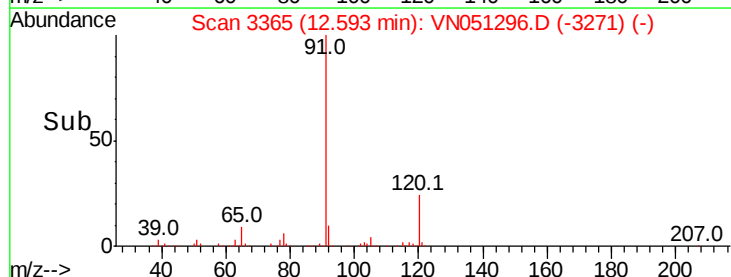
91 100

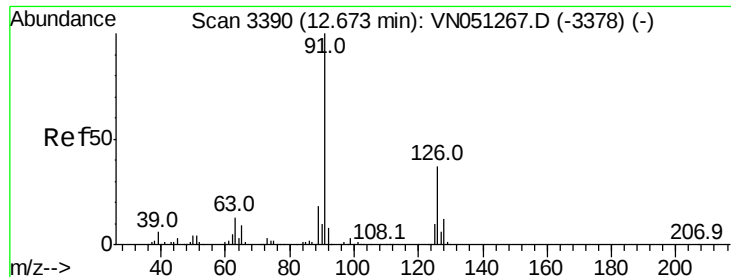
120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.279 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

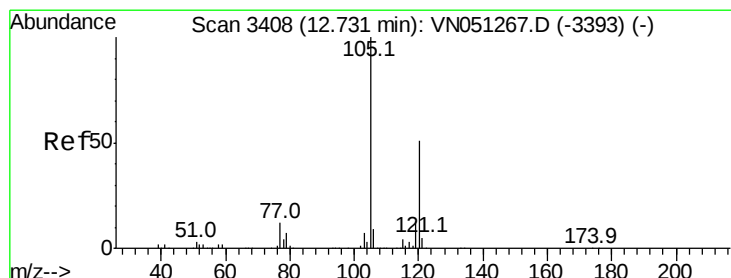
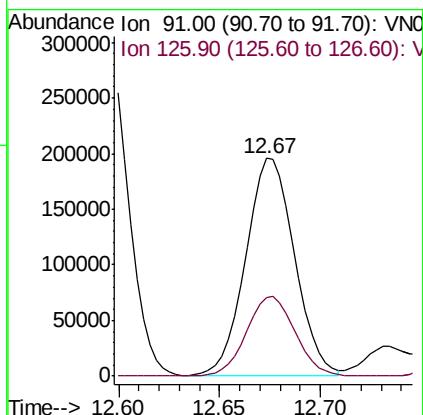
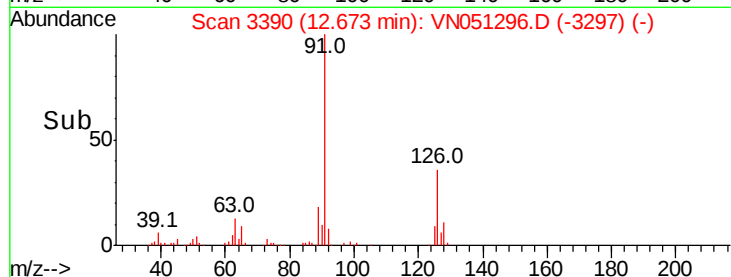
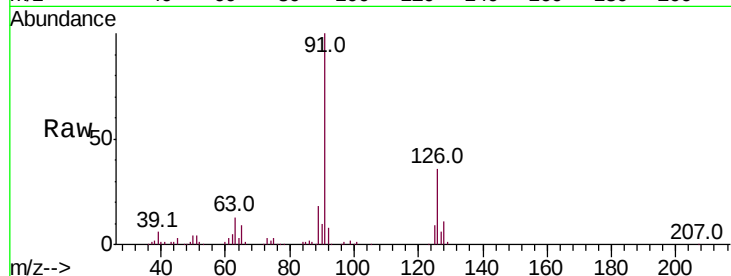
ClientSampled :

Tot Ion: 91 Resp: 330268

Ion Ratio Lower Upper

91 100

126 36.7 18.2 54.6



#80

1,3,5-Trimethylbenzene

Concen: 20.282 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051296.D

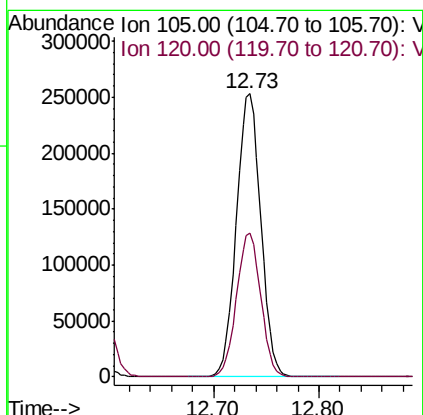
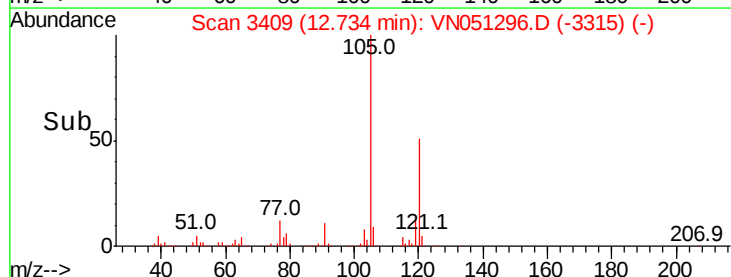
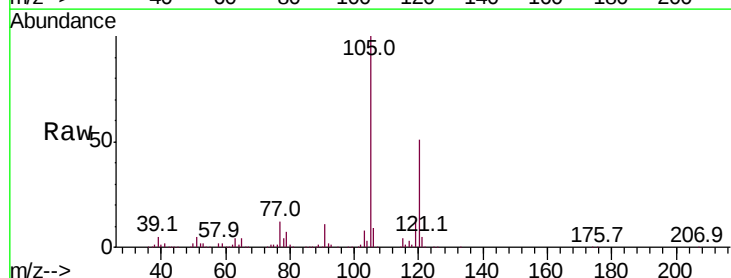
Acq: 18 Sep 2018 14:36

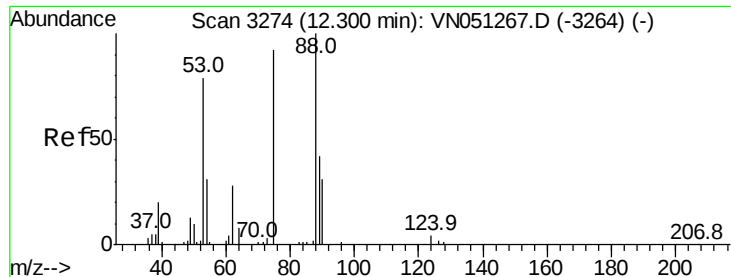
Tgt Ion: 105 Resp: 405176

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8

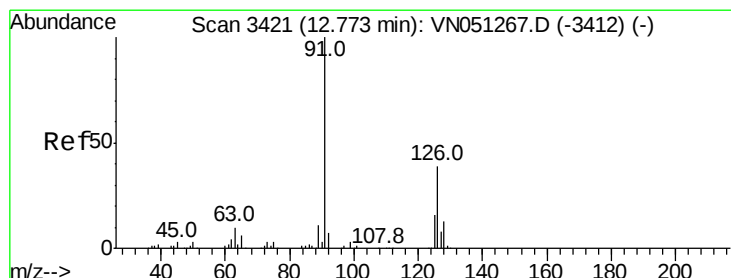
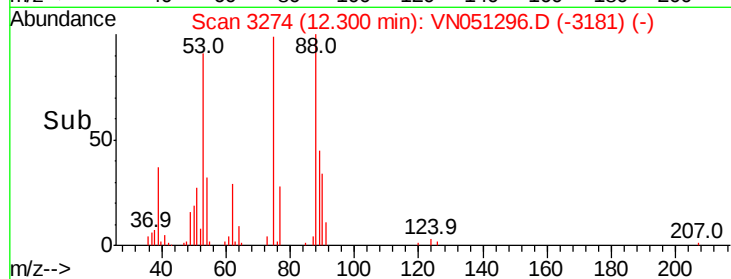
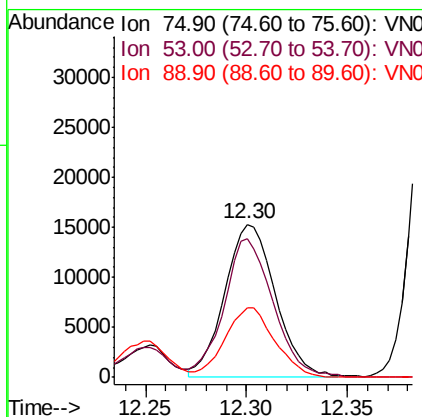
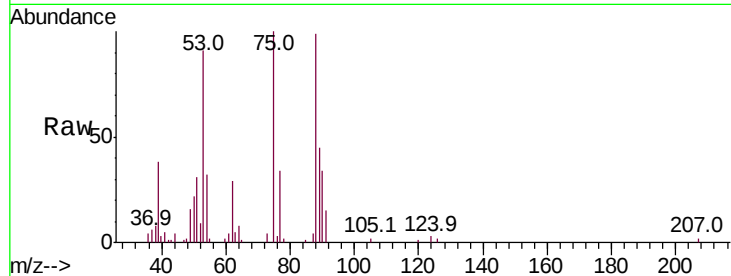




#81
trans-1,4-Dichloro-2-butene
Concen: 20.230 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

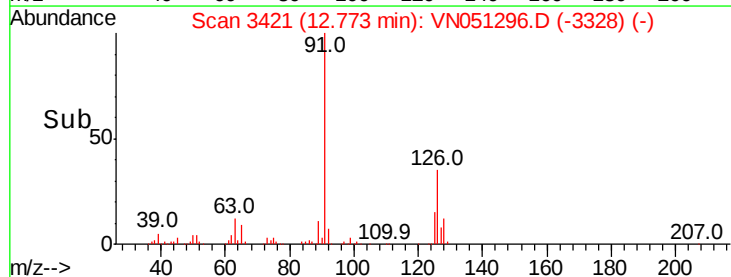
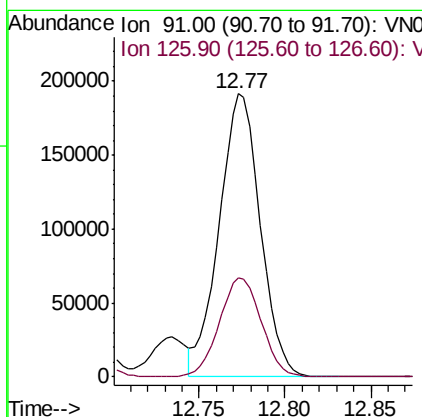
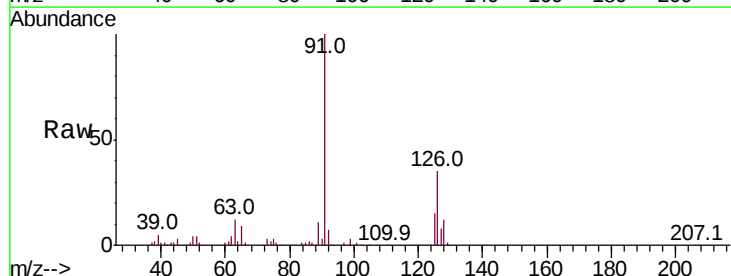
Instrument :
MSVOA_N
ClientSampled :

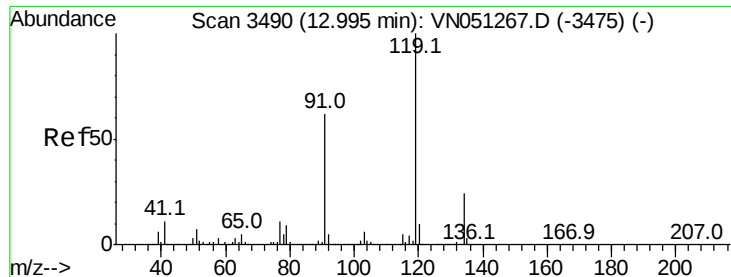
Tot Ion: 75 Resp: 26987
Ion Ratio Lower Upper
75 100
53 87.5 67.7 101.5
89 44.4 36.9 55.3



#82
4-Chlorotoluene
Concen: 19.560 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 91 Resp: 318757
Ion Ratio Lower Upper
91 100
126 35.8 17.9 53.8





#83

tert-Butylbenzene

Concen: 19.612 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

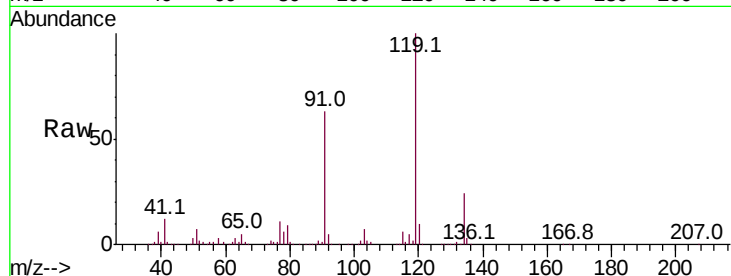
Tot Ion:119 Resp: 346231

Ion Ratio Lower Upper

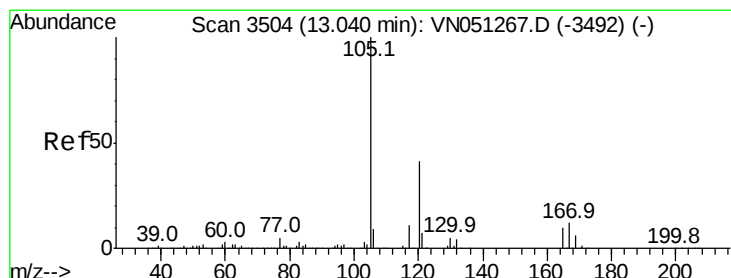
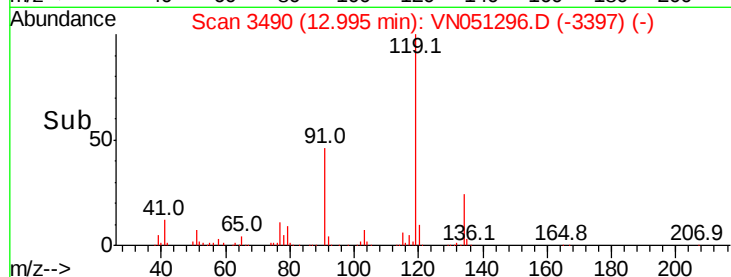
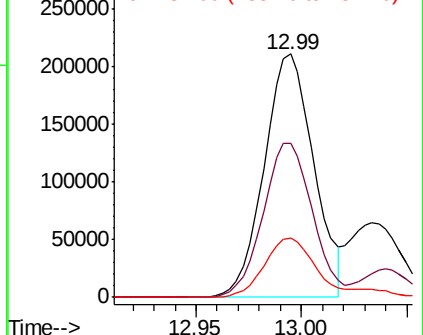
119 100

91 62.9 30.8 92.4

134 27.4 12.4 37.0



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



#84

1,2,4-Trimethylbenzene

Concen: 20.439 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051296.D

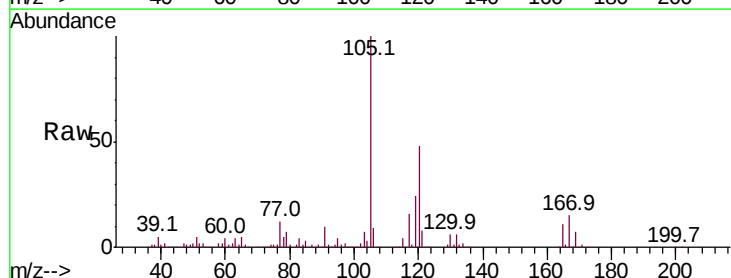
Acq: 18 Sep 2018 14:36

Tgt Ion:105 Resp: 396510

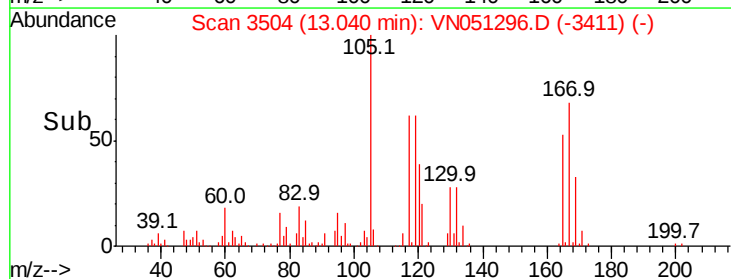
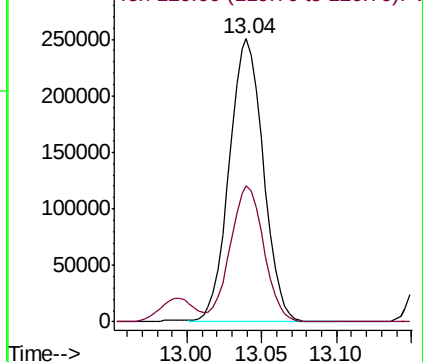
Ion Ratio Lower Upper

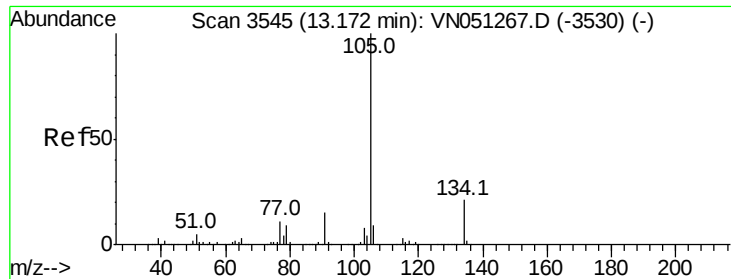
105 100

120 47.7 23.5 70.6



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





#85

sec-Butylbenzene

Concen: 19.792 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

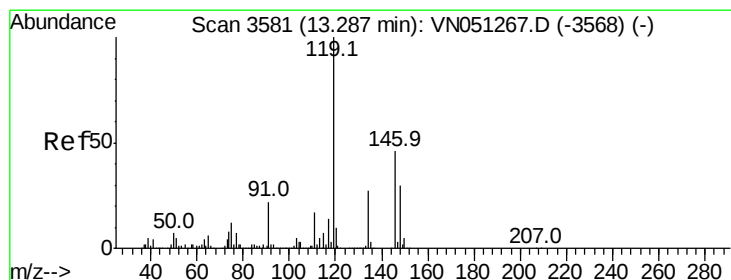
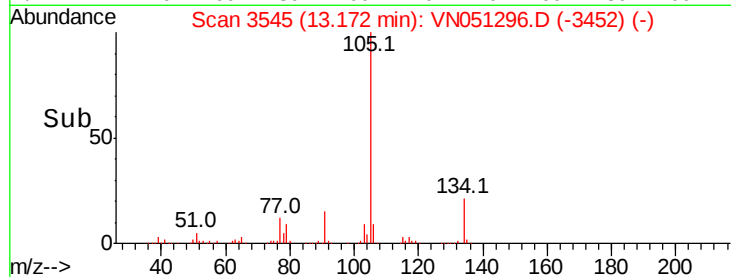
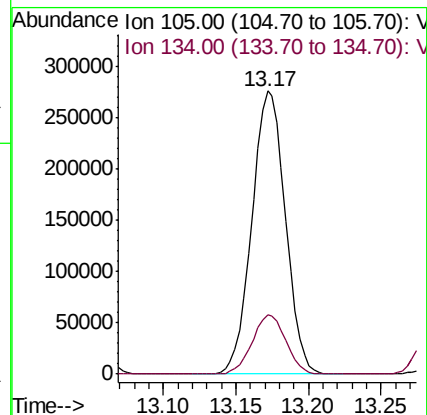
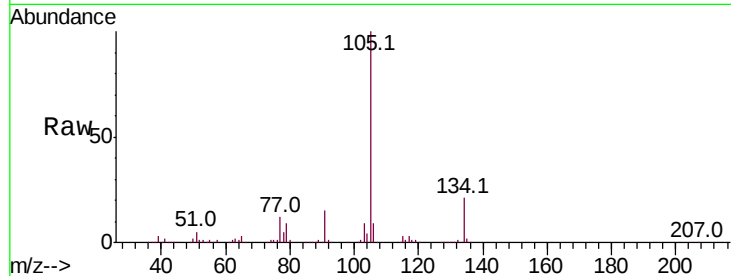
ClientSampled :

Tot Ion:105 Resp: 443687

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.452 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

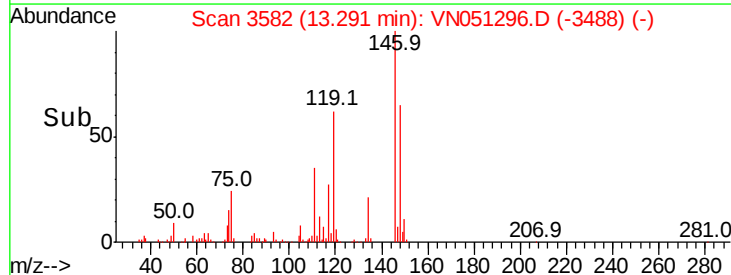
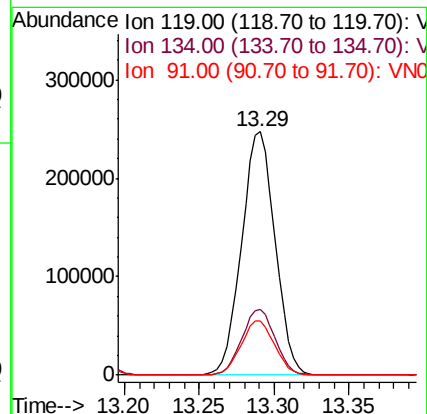
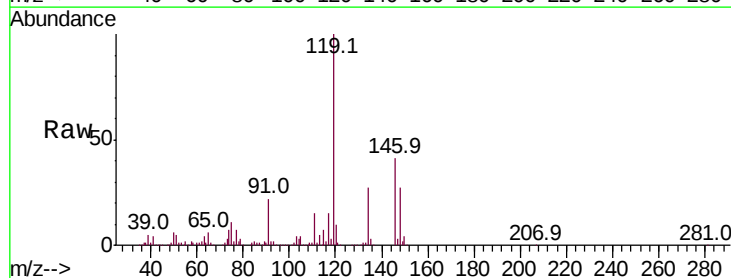
Tgt Ion:119 Resp: 384443

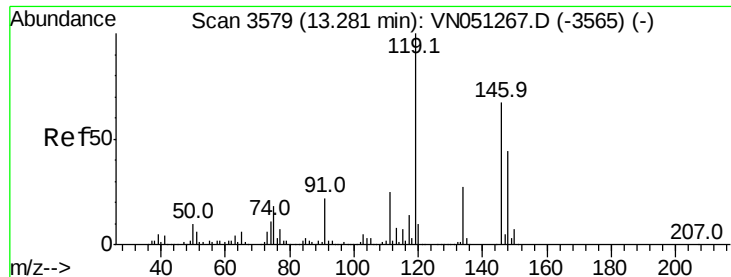
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 18.920 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

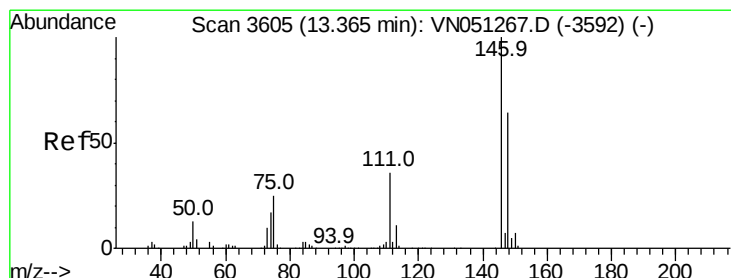
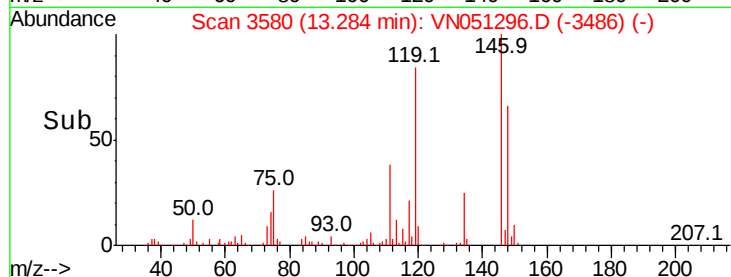
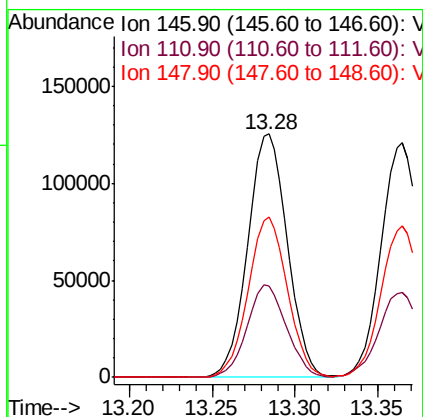
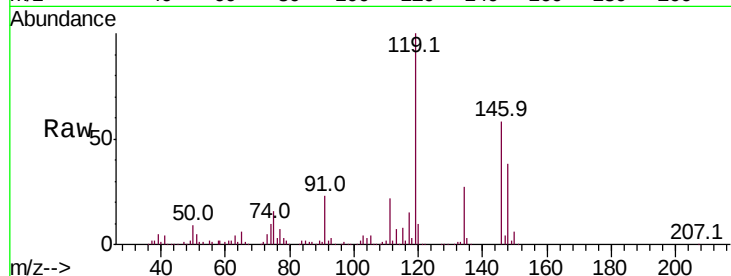
Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:146 Resp: 208833

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	65.1	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 19.385 ug/l

RT: 13.36 min Scan# 3605

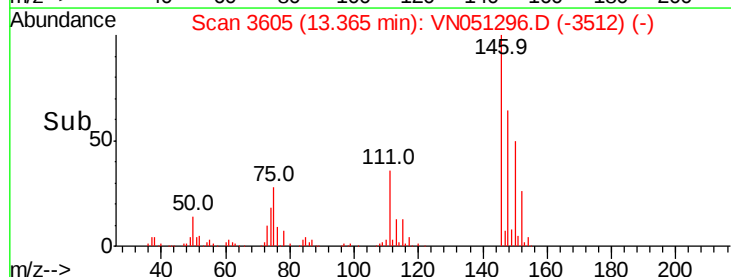
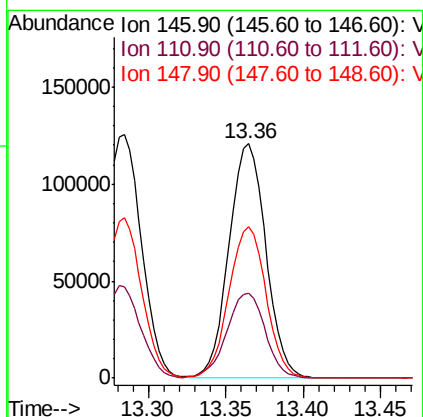
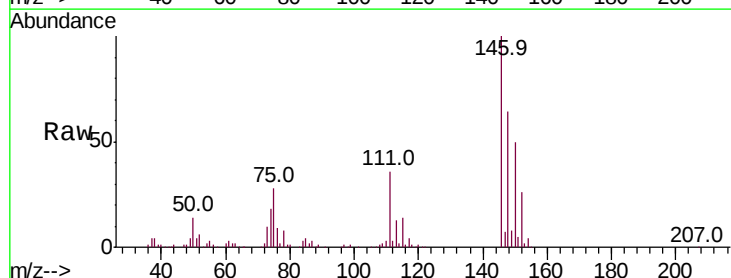
Delta R.T. 0.00 min

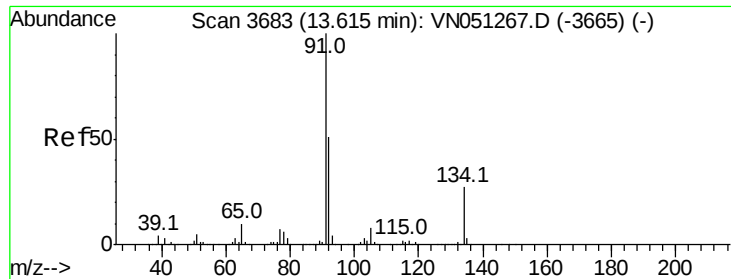
Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:146 Resp: 200036

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.2	54.6
148	65.1	31.9	95.7

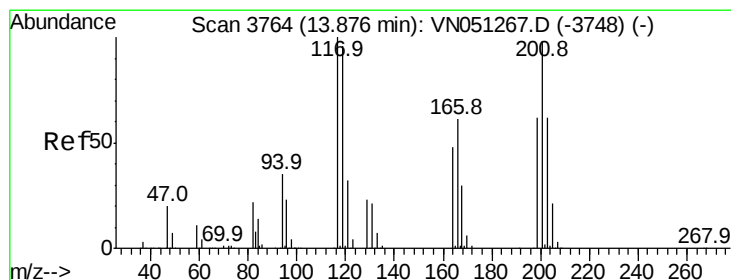
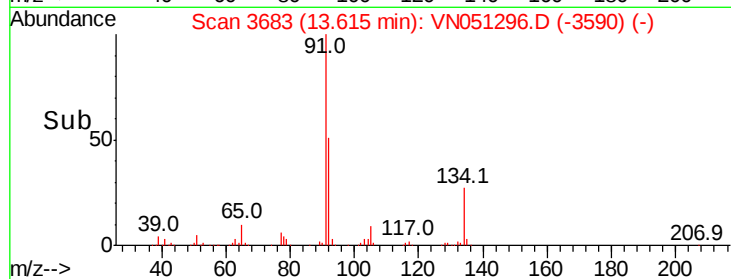
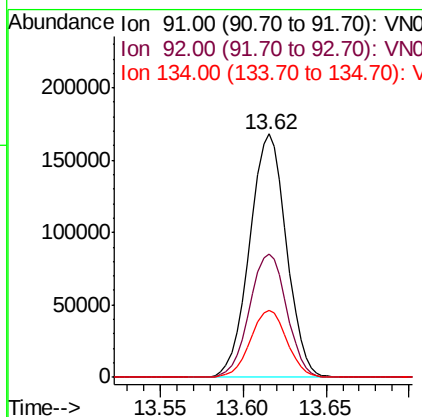
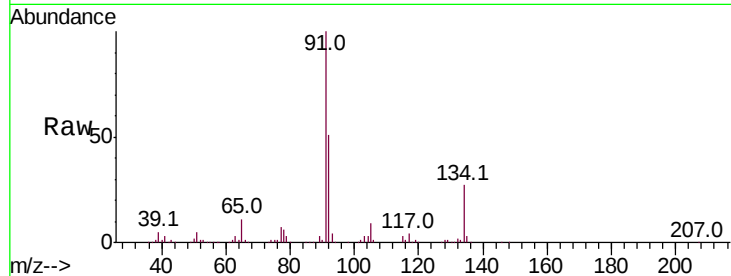




#89
n-Butylbenzene
Concen: 18.119 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

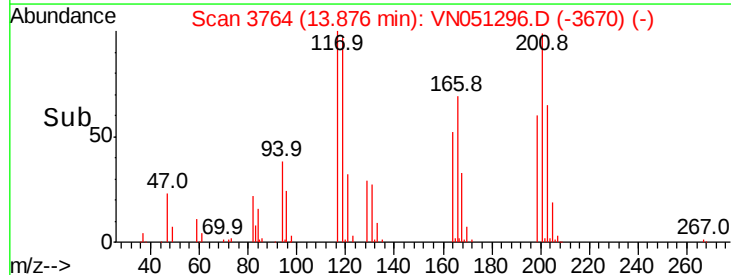
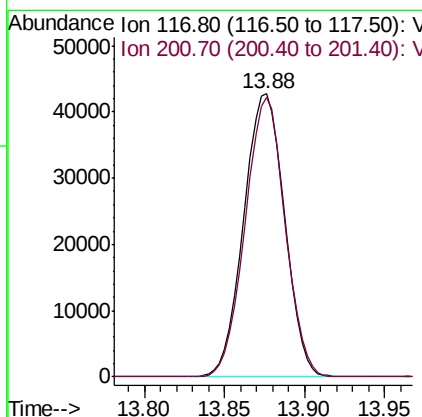
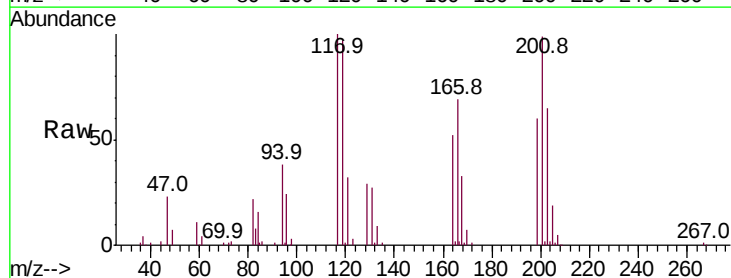
Instrument :
MSVOA_N
ClientSampled :

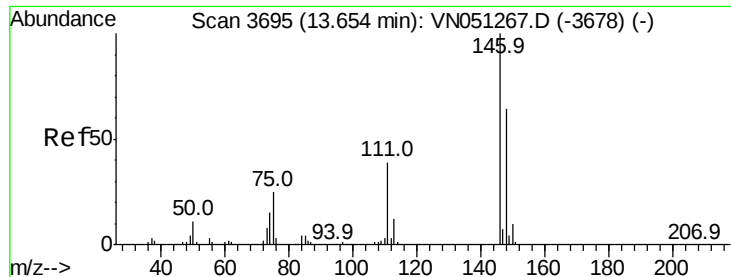
Tot Ion: 91 Resp: 259009
Ion Ratio Lower Upper
91 100
92 51.3 25.8 77.4
134 27.4 13.7 41.0



#90
Hexachloroethane
Concen: 19.812 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051296.D
Acq: 18 Sep 2018 14:36

Tgt Ion: 117 Resp: 74542
Ion Ratio Lower Upper
117 100
201 96.2 48.4 145.3





#91

1,2-Dichlorobenzene

Concen: 20.113 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

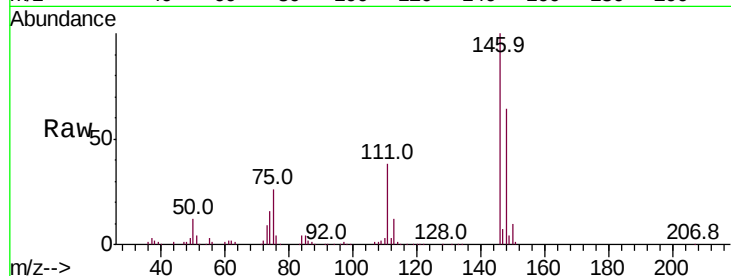
Tot Ion:146 Resp: 207644

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

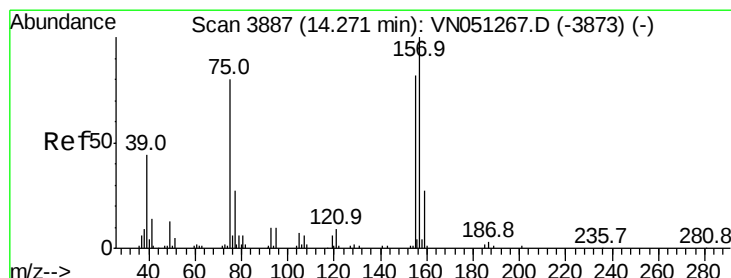
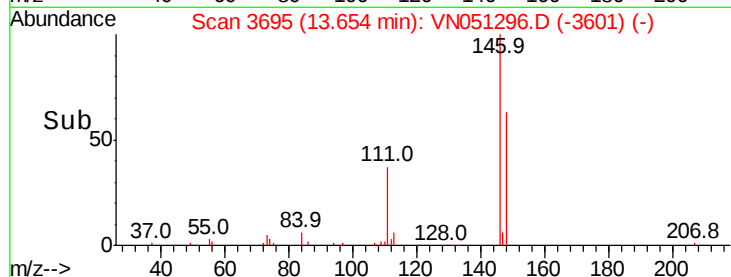
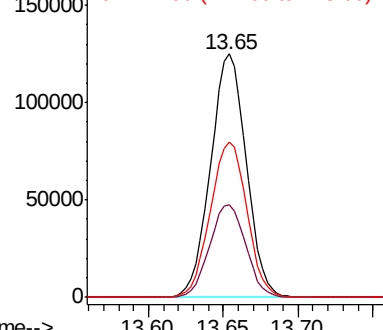
148 65.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.872 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

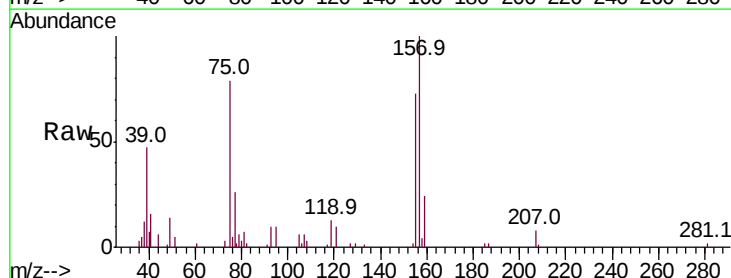
Tgt Ion: 75 Resp: 15873

Ion Ratio Lower Upper

75 100

155 94.8 50.2 150.7

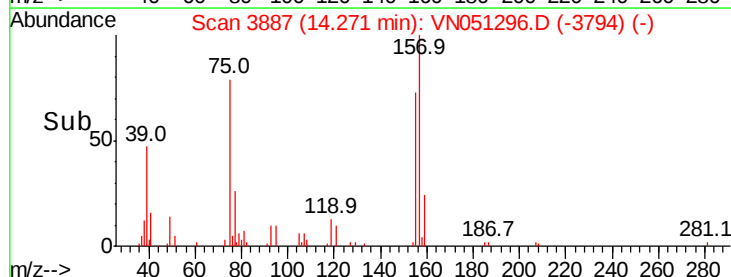
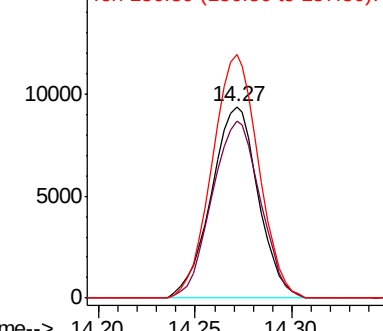
157 125.6 62.9 188.7

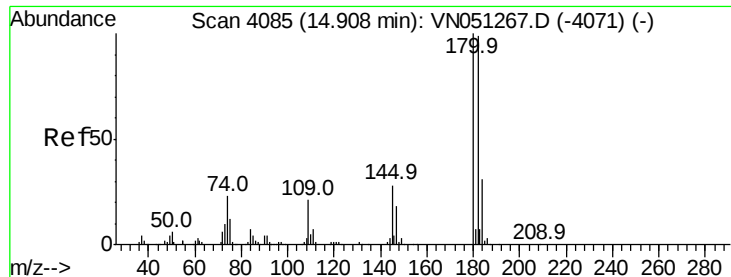


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

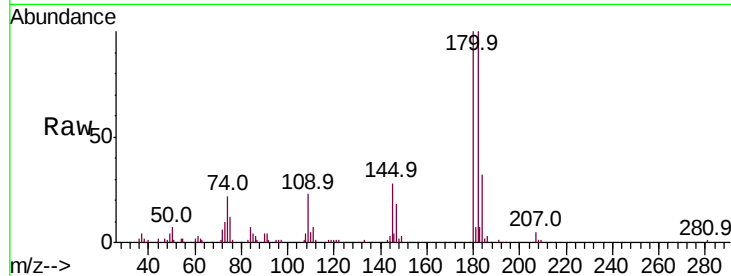




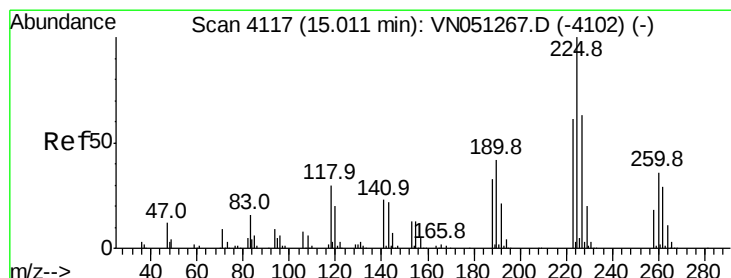
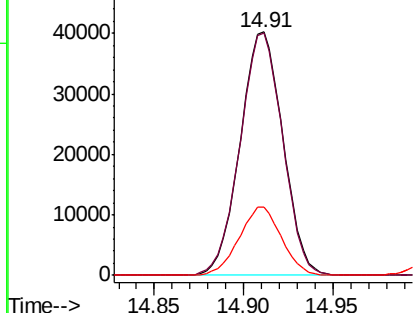
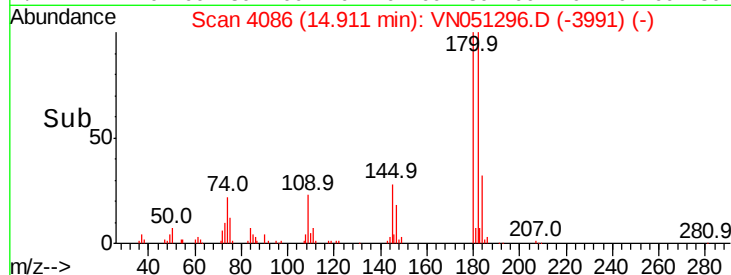
#93
 1,2,4-Trichlorobenzene
 Concen: 17.183 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 67517
 Ion Ratio Lower Upper
 180 100
 182 99.2 48.5 145.6
 145 27.8 14.0 41.9

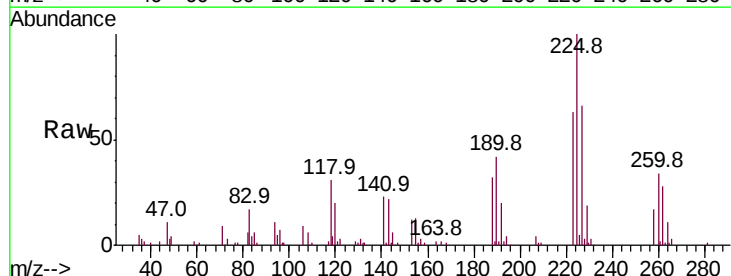


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

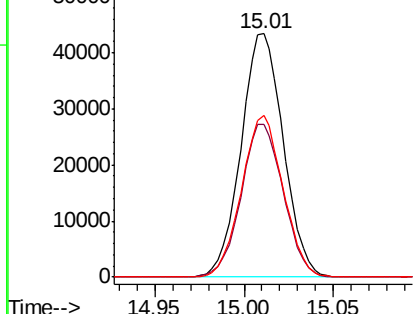
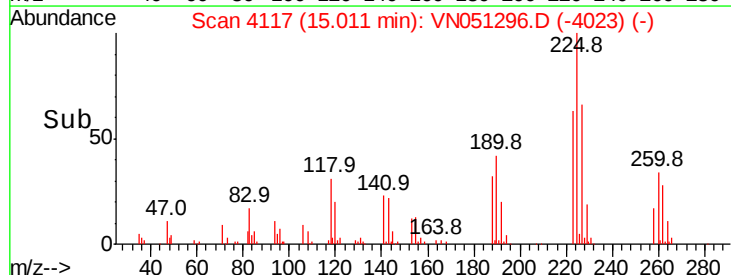


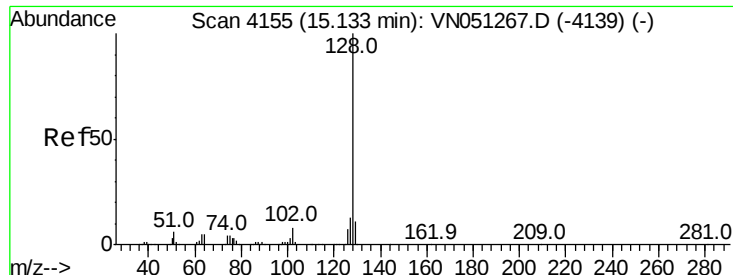
#94
 Hexachlorobutadiene
 Concen: 20.388 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051296.D
 Acq: 18 Sep 2018 14:36

Tgt Ion:225 Resp: 71857
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.8 92.3
 227 65.0 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.460 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

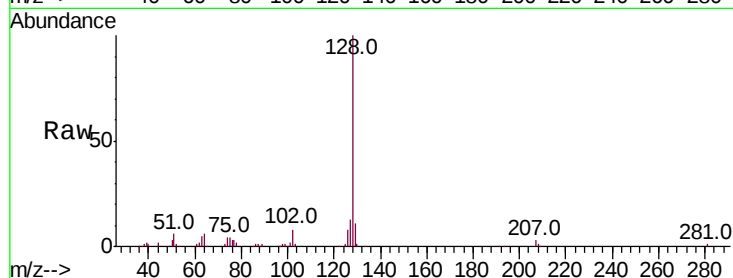
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 121336

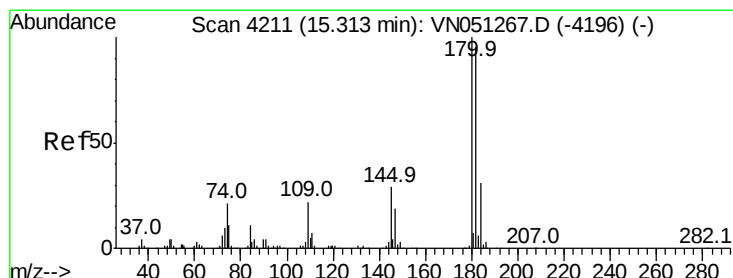
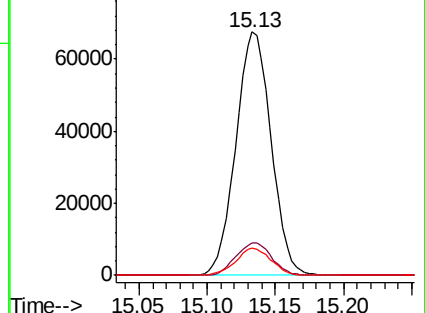
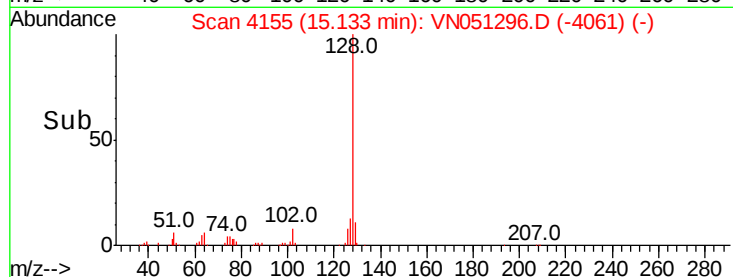
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.1	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.804 ug/l

RT: 15.31 min Scan# 4211

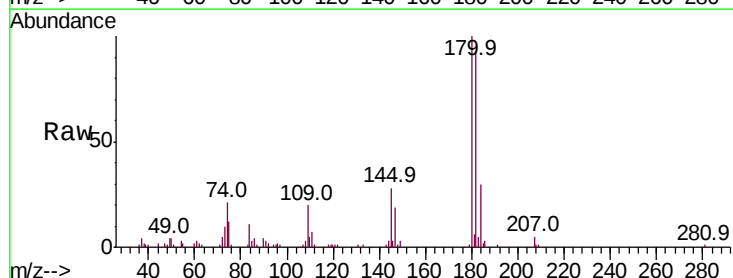
Delta R.T. 0.00 min

Lab File: VN051296.D

Acq: 18 Sep 2018 14:36

Tgt Ion:180 Resp: 76581

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	28.7	14.8	44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

