

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051323.D
 Acq On : 19 Sep 2018 16:53
 Operator : MD\SY
 Sample : VN0919WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:44:39 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	515932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295232	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	279508	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	276032	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.09	98	1018942	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	311584	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	95060	19.00	ug/l	98
3) Chloromethane	2.06	50	123533	18.75	ug/l	98
4) Vinyl Chloride	2.18	62	124100	18.37	ug/l	99
5) Bromomethane	2.57	94	73421	18.73	ug/l	98
6) Chloroethane	2.70	64	75871	18.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	174490	18.85	ug/l	99
8) Diethyl Ether	3.41	74	58558	19.33	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	107015	18.50	ug/l	100
10) Methyl Iodide	3.95	142	93676	20.23	ug/l	99
11) Tert butyl alcohol	4.79	59	30893	100.05	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	98008	18.76	ug/l	95
13) Acrolein	3.61	56	33878	79.50	ug/l	99
14) Allyl chloride	4.33	41	138969	18.02	ug/l	98
15) Acrylonitrile	4.99	53	161284	99.84	ug/l	99
16) Acetone	3.82	43	110463	83.48	ug/l	98
17) Carbon Disulfide	4.05	76	282561	17.53	ug/l	99
18) Methyl Acetate	4.33	43	79964	20.54	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	249950	19.96	ug/l	100
20) Methylene Chloride	4.56	84	113472	18.49	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	104866	18.31	ug/l	97
22) Diisopropyl ether	5.96	45	301160	20.16	ug/l	96
23) Vinyl Acetate	5.90	43	950520	98.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	191943	19.22	ug/l	99
25) 2-Butanone	6.84	43	166507	92.70	ug/l	98
26) 2,2-Dichloropropane	6.83	77	140183	17.26	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	116448	19.03	ug/l	97
28) Bromochloromethane	7.20	49	82702	18.80	ug/l	99
29) Tetrahydrofuran	7.22	42	112333	101.15	ug/l	98
30) Chloroform	7.37	83	195708	19.19	ug/l	99
31) Cyclohexane	7.66	56	161178	17.78	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	167802	19.17	ug/l	99
36) 1,1-Dichloropropene	7.80	75	142489	18.38	ug/l	99
37) Ethyl Acetate	6.93	43	72737	18.25	ug/l #	94
38) Carbon Tetrachloride	7.78	117	154414	19.10	ug/l	98

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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	151371	17.97	ug/l	98
40) Benzene	8.04	78	448882	19.46	ug/l	99
41) Methacrylonitrile	7.17	41	30219	14.77	ug/l #	72
42) 1,2-Dichloroethane	8.13	62	132563	19.54	ug/l	100
43) Isopropyl Acetate	8.17	43	144586	20.96	ug/l	100
44) Trichloroethene	8.84	130	122688	18.92	ug/l	99
45) 1,2-Dichloropropane	9.12	63	114941	19.65	ug/l	97
46) Dibromomethane	9.21	93	71457	20.06	ug/l	98
47) Bromodichloromethane	9.40	83	147433	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	66546	20.03	ug/l	100
49) 1,4-Dioxane	9.20	88	20274	421.87	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	380397	106.89	ug/l	100
52) Toluene	10.16	92	279902	20.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	136053	19.07	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	163949	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	101335	20.52	ug/l	99
56) Ethyl methacrylate	10.43	69	112186	19.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	164853	20.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	242314	92.32	ug/l	100
59) 2-Hexanone	10.75	43	230763	98.48	ug/l	99
60) Dibromochloromethane	10.90	129	117714	20.26	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96413	20.31	ug/l	96
64) Tetrachloroethene	10.63	164	115346	19.07	ug/l	98
65) Chlorobenzene	11.43	112	305275	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	117263	19.65	ug/l	99
67) Ethyl Benzene	11.51	91	484296	19.28	ug/l	98
68) m/p-Xylenes	11.62	106	389627	39.94	ug/l	100
69) o-Xylene	11.95	106	185957	20.00	ug/l	99
70) Styrene	11.96	104	289526	18.41	ug/l	100
71) Bromoform	12.13	173	80177	20.26	ug/l #	100
73) Isopropylbenzene	12.25	105	486125	19.52	ug/l	100
74) N-amyl acetate	12.07	43	95760	18.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119660	21.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133011	31.95	ug/l #	100
77) Bromobenzene	12.53	156	127324	19.91	ug/l	99
78) n-propylbenzene	12.59	91	517675	19.28	ug/l	99
79) 2-Chlorotoluene	12.67	91	325909	19.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	400042	20.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25568	19.23	ug/l	95
82) 4-Chlorotoluene	12.77	91	313572	19.31	ug/l	100
83) tert-Butylbenzene	12.99	119	346528	19.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	394041	20.38	ug/l	100
85) sec-Butylbenzene	13.17	105	441575	19.77	ug/l	100
86) p-Isopropyltoluene	13.29	119	379907	20.28	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	203336	18.49	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	194114	18.89	ug/l	98
89) n-Butylbenzene	13.62	91	250801	17.66	ug/l	99
90) Hexachloroethane	13.87	117	73042	19.47	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	202191	19.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14669	20.30	ug/l	99

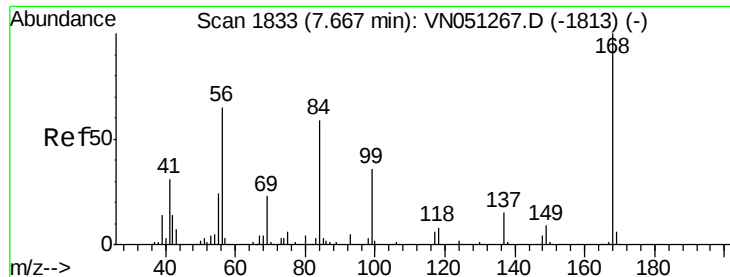
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62752	16.37	ug/l	99
94) Hexachlorobutadiene	15.01	225	67650	19.18	ug/l	98
95) Naphthalene	15.13	128	111534	16.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	68522	17.28	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

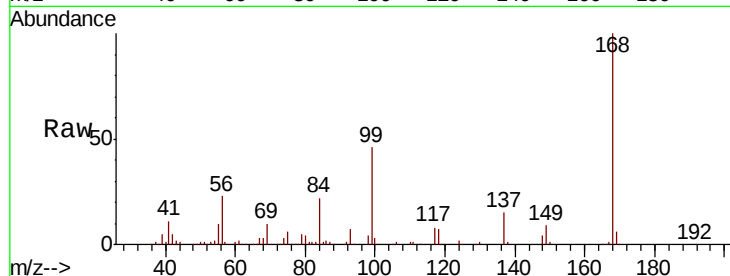
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 515932

Ion Ratio Lower Upper

168 100

99 45.4 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

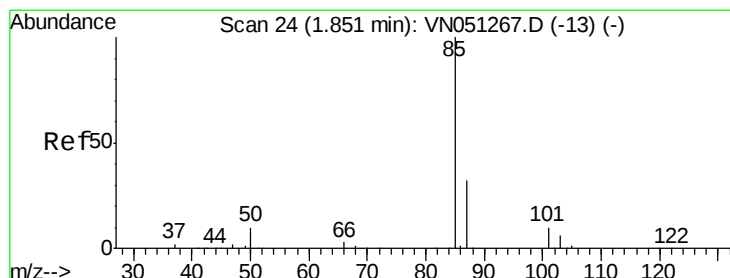
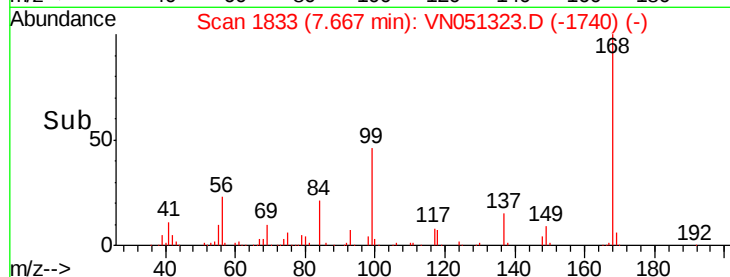
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.00 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051323.D

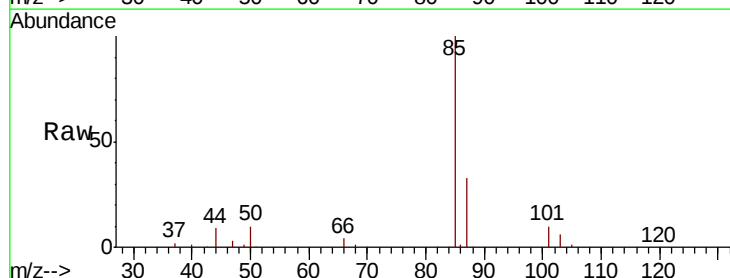
Acq: 19 Sep 2018 16:53

Tgt Ion: 85 Resp: 95060

Ion Ratio Lower Upper

85 100

87 33.3 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

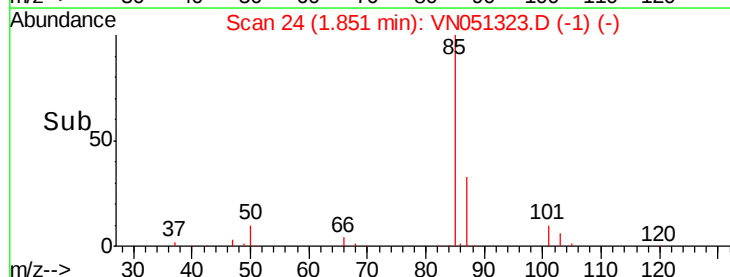
40000

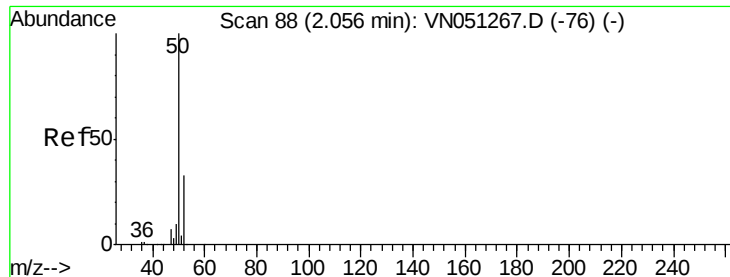
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.75 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

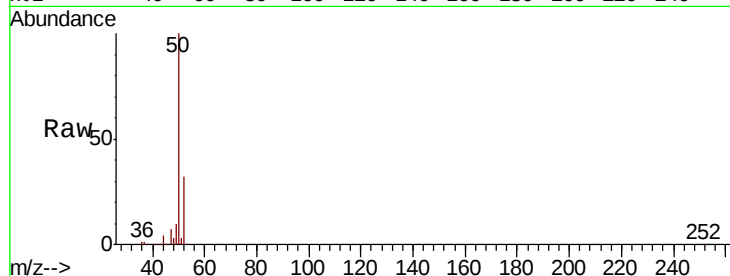
ClientSampled :

Tot Ion: 50 Resp: 123533

Ion Ratio Lower Upper

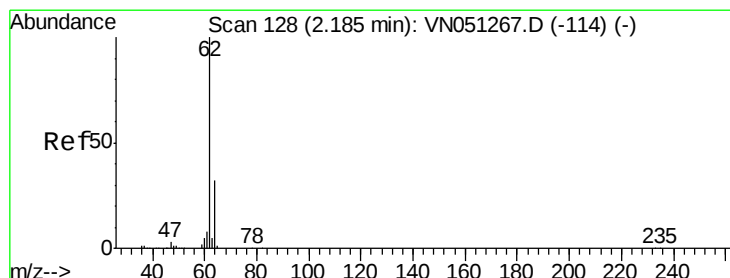
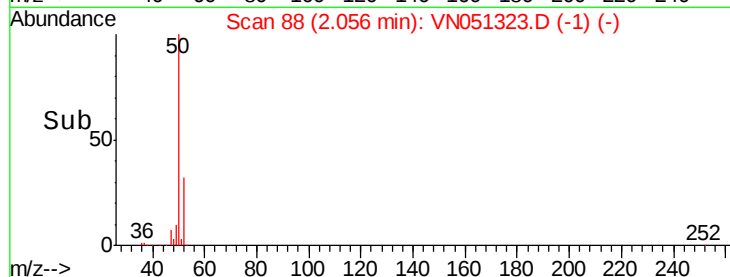
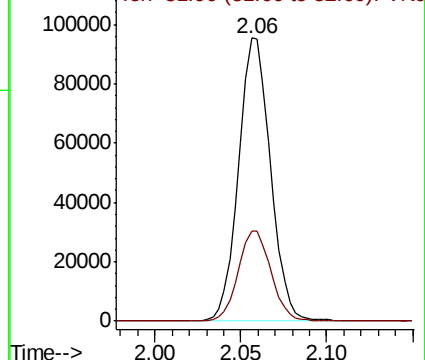
50 100

52 31.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.37 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051323.D

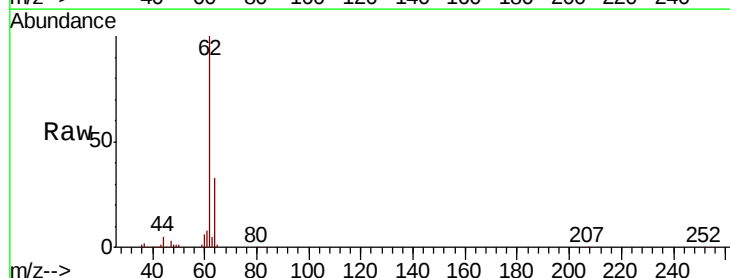
Acq: 19 Sep 2018 16:53

Tgt Ion: 62 Resp: 124100

Ion Ratio Lower Upper

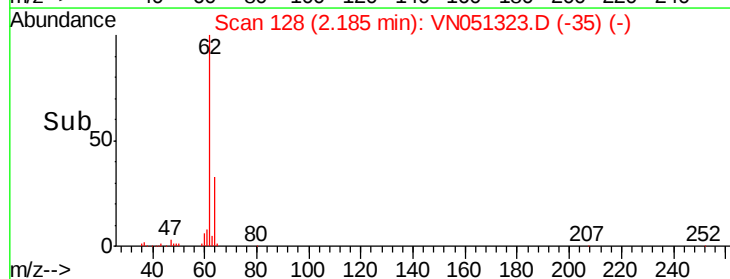
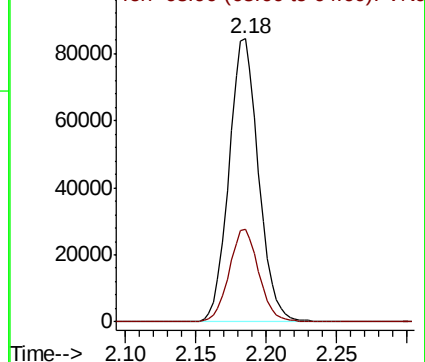
62 100

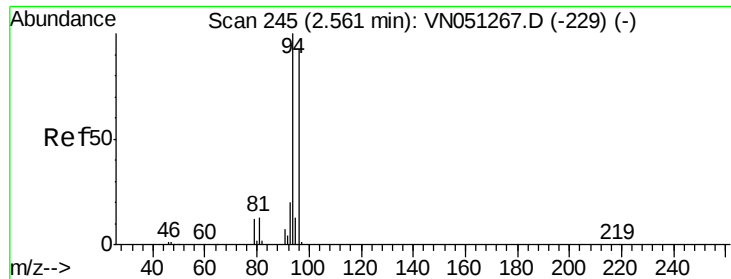
64 32.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.73 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

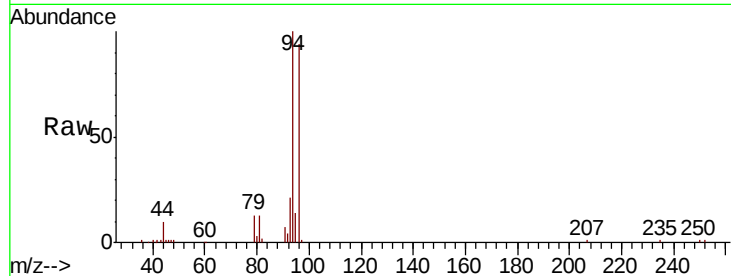
ClientSampled :

Tot Ion: 94 Resp: 73421

Ion Ratio Lower Upper

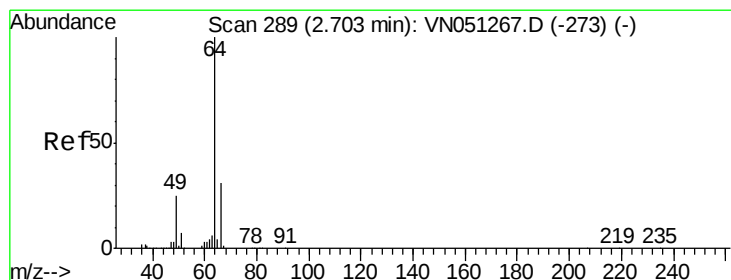
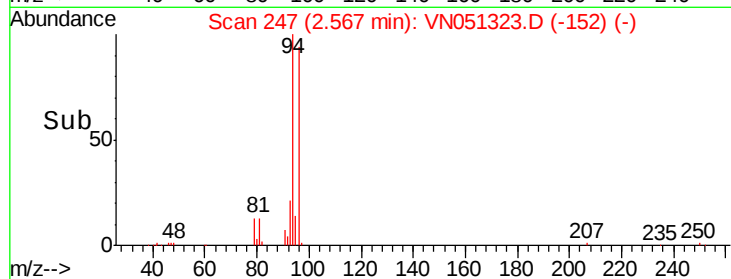
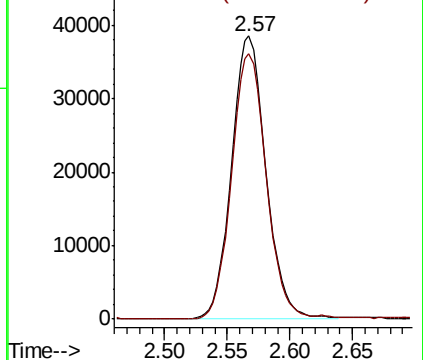
94 100

96 93.8 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.83 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051323.D

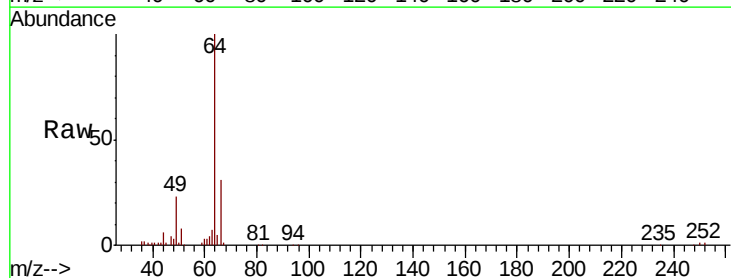
Acq: 19 Sep 2018 16:53

Tgt Ion: 64 Resp: 75871

Ion Ratio Lower Upper

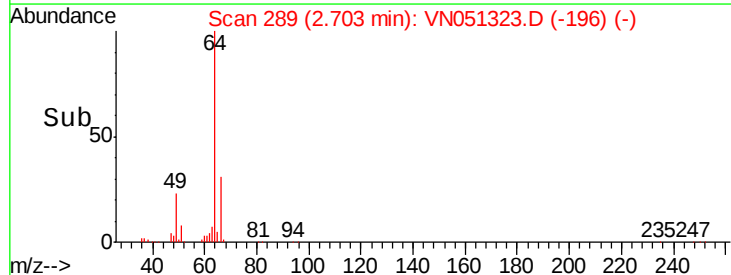
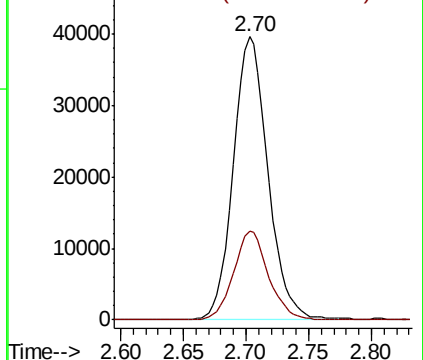
64 100

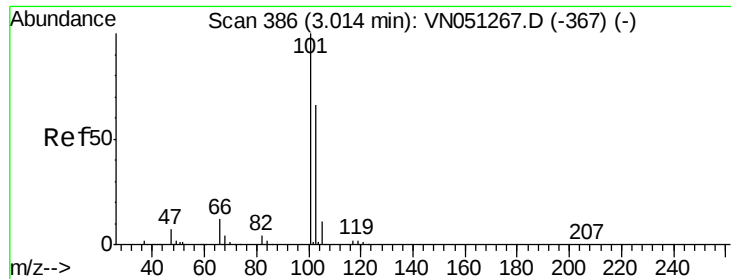
66 31.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



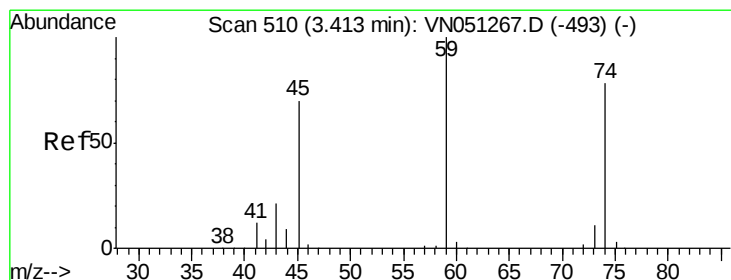
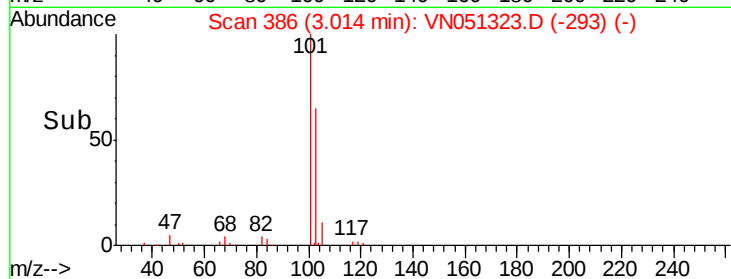
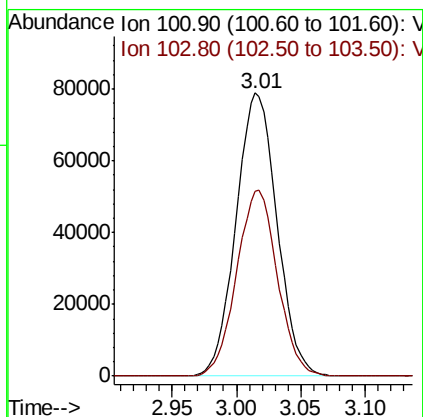
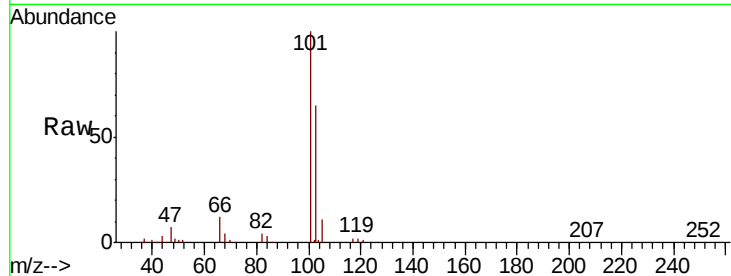


#7

Trichlorofluoromethane
 Concen: 18.85 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampled :

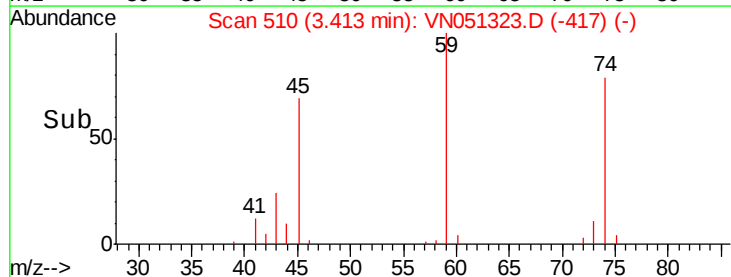
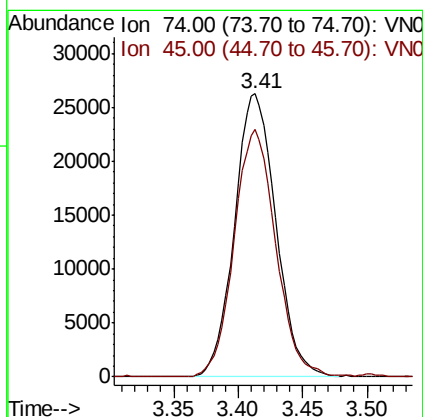
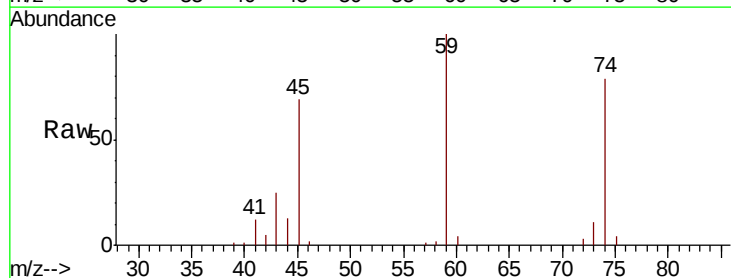
Tot Ion:101 Resp: 174490
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.7 79.1

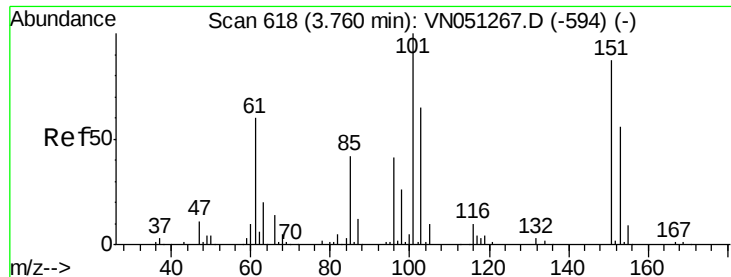


#8

Diethyl Ether
 Concen: 19.33 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 74 Resp: 58558
 Ion Ratio Lower Upper
 74 100
 45 88.0 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.50 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampled :

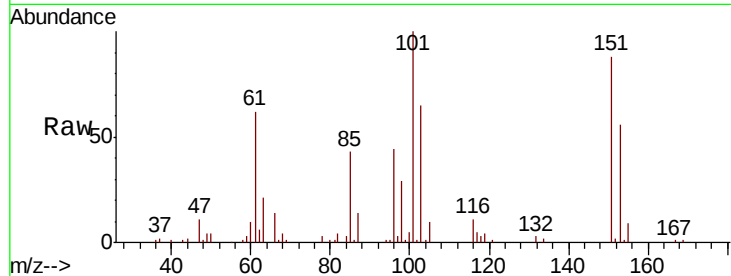
Tot Ion:101 Resp: 107015

Ion Ratio Lower Upper

101 100

85 41.6 33.0 49.6

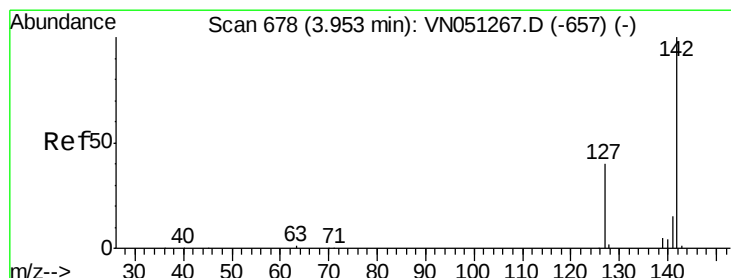
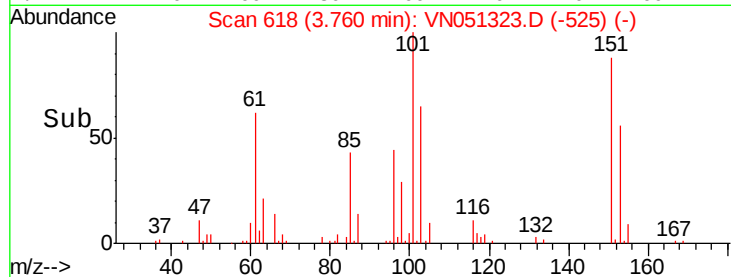
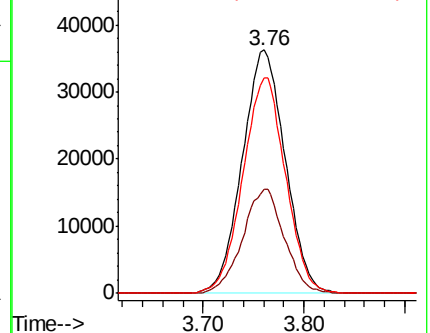
151 87.8 69.8 104.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.23 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

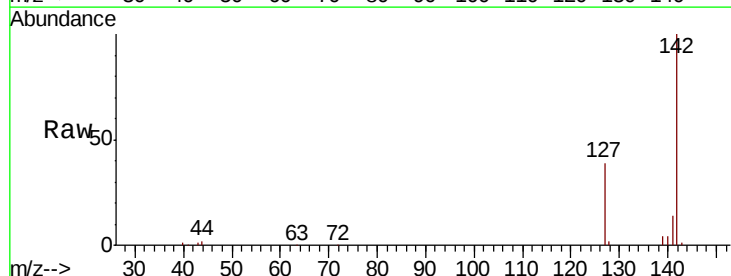
Tgt Ion:142 Resp: 93676

Ion Ratio Lower Upper

142 100

127 40.0 31.7 47.5

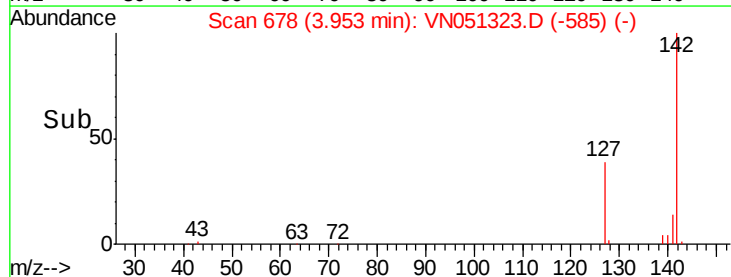
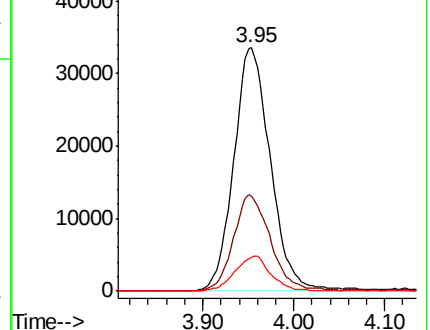
141 13.9 11.6 17.4

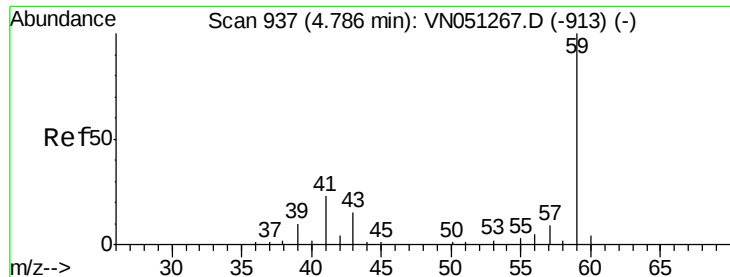


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

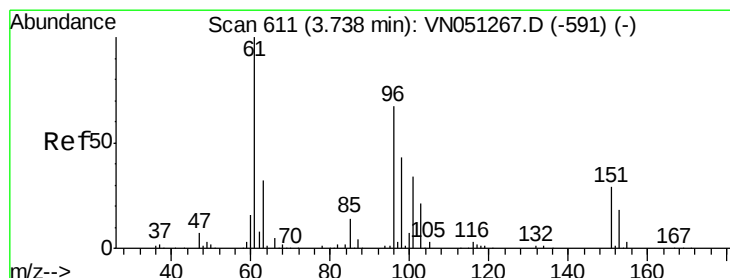
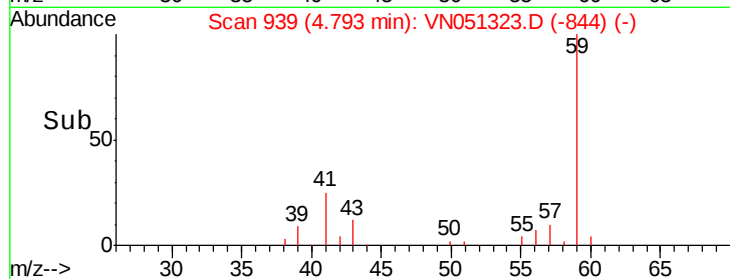
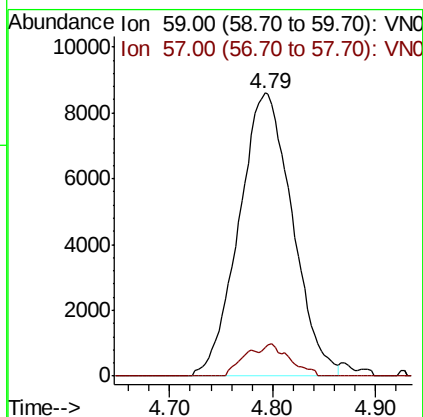
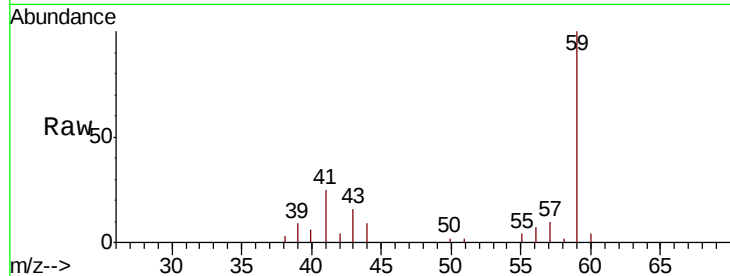




#11
Tert butyl alcohol
Concen: 100.05 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

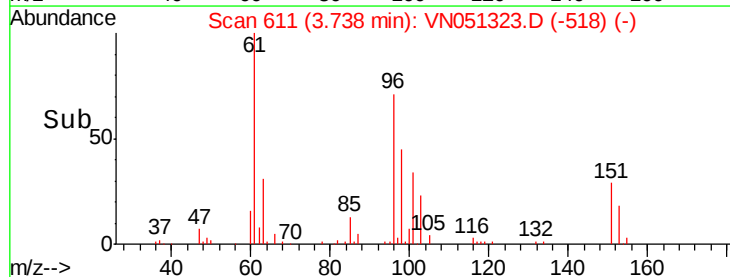
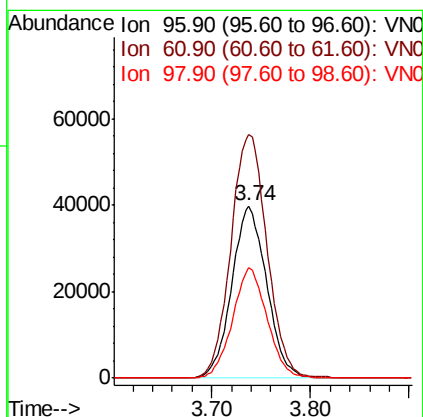
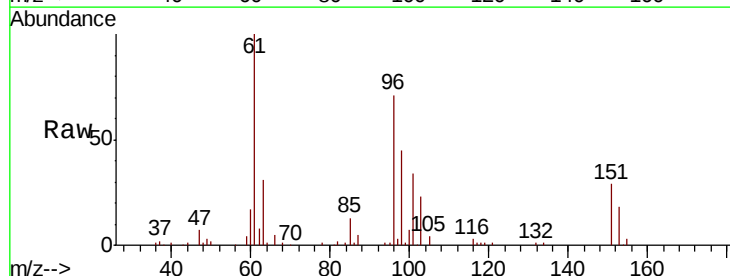
Instrument :
MSVOA_N
ClientSampleId :

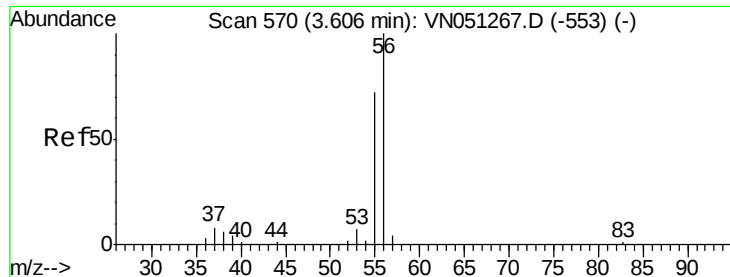
Tot Ion: 59 Resp: 30893
Ion Ratio Lower Upper
59 100
57 5.3 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 18.76 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 96 Resp: 98008
Ion Ratio Lower Upper
96 100
61 141.3 119.3 178.9
98 63.9 51.8 77.6





#13

Acrolein

Concen: 79.50 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

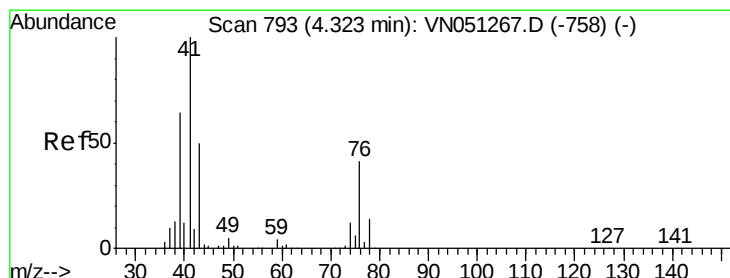
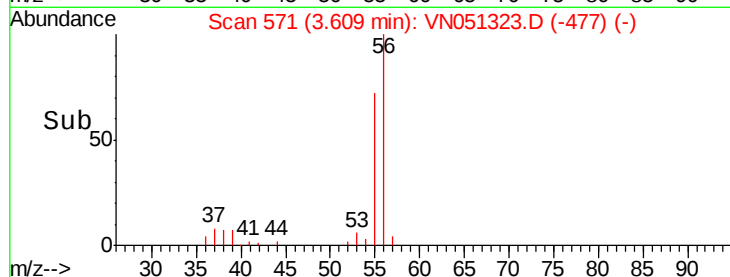
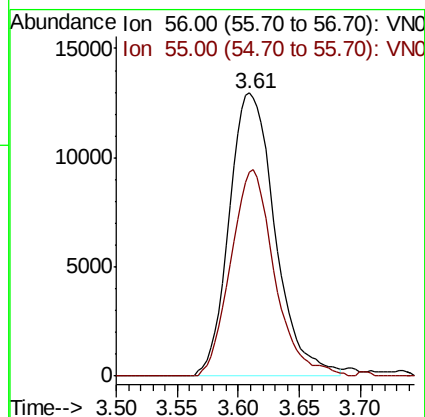
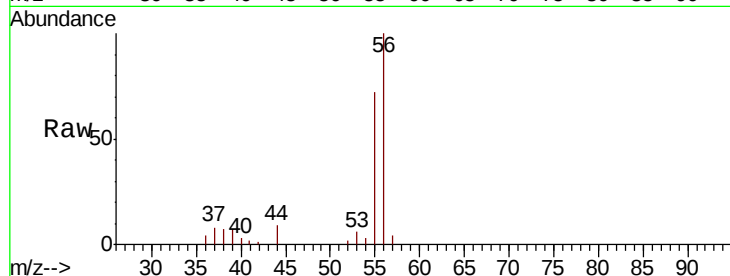
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 33878

Ion Ratio Lower Upper

56 100

55 69.6 56.4 84.6



#14

Allyl chloride

Concen: 18.02 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

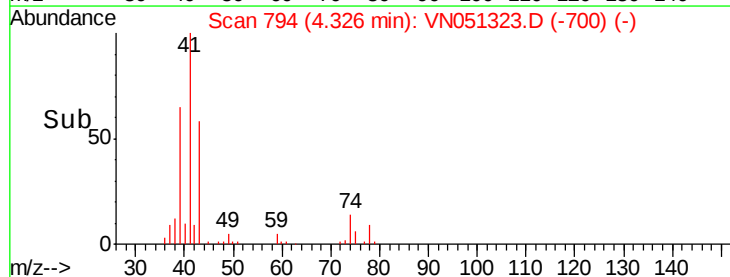
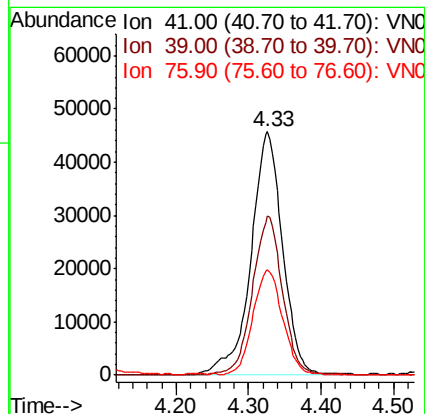
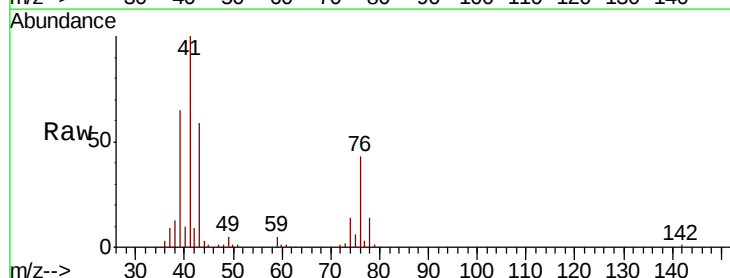
Tgt Ion: 41 Resp: 138969

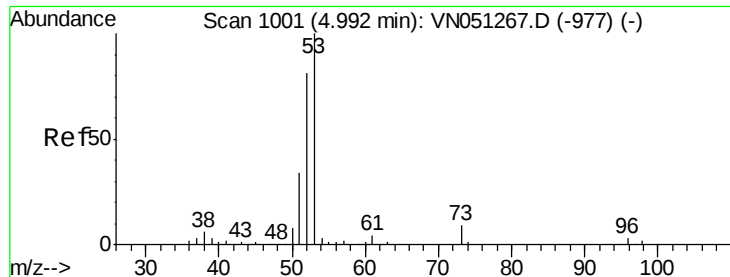
Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.4

76 40.8 31.4 47.0

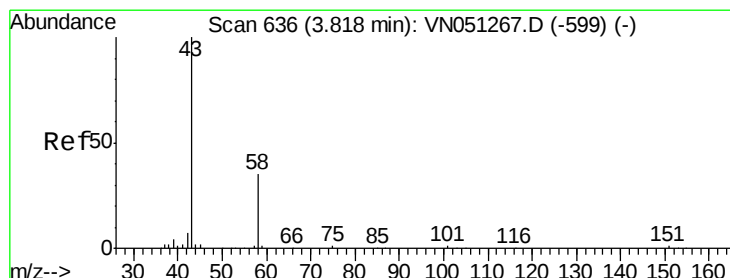
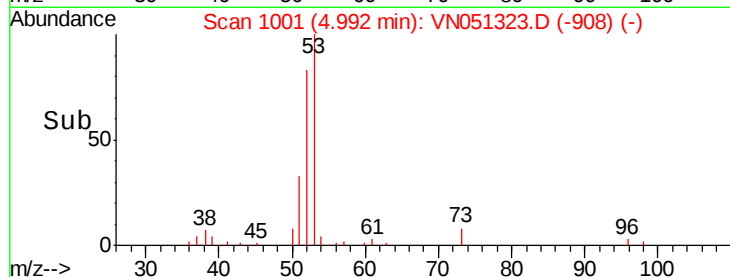
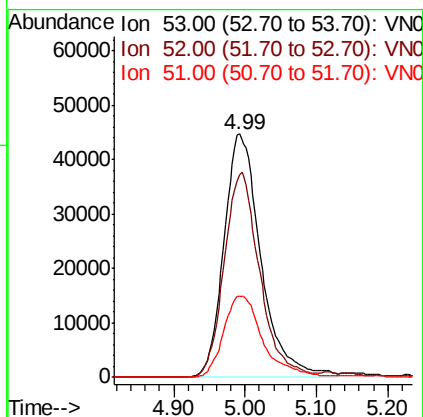
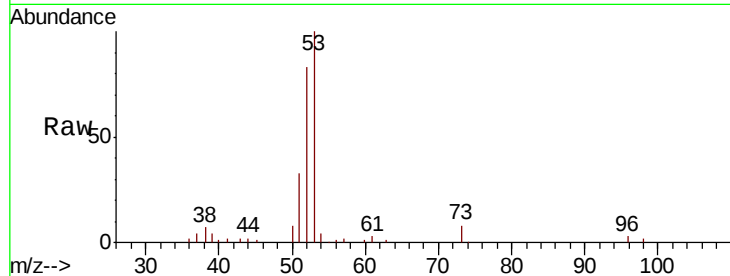




#15
 Acrylonitrile
 Concen: 99.84 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

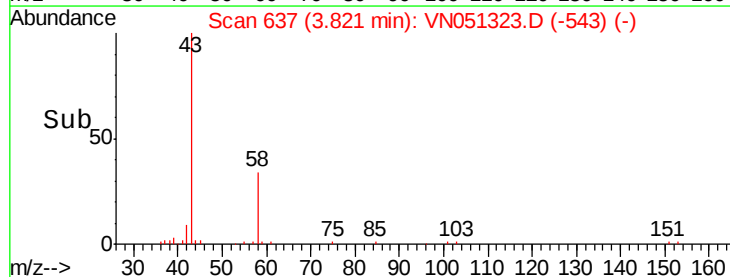
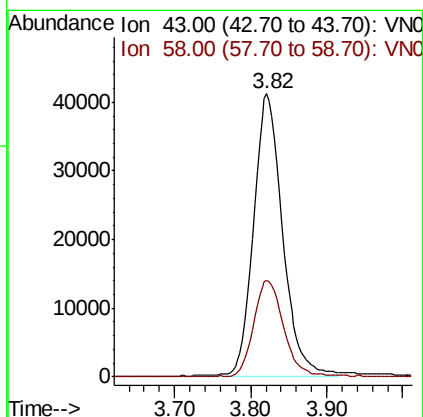
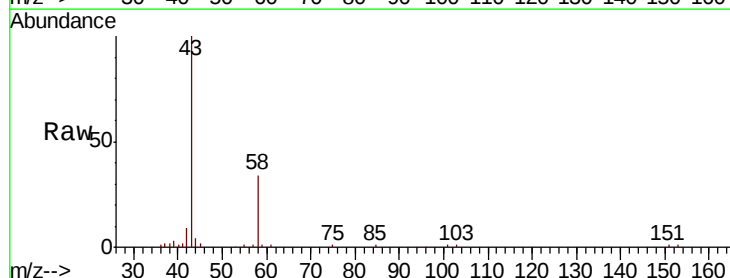
Instrument :
 MSVOA_N
 ClientSampleId :

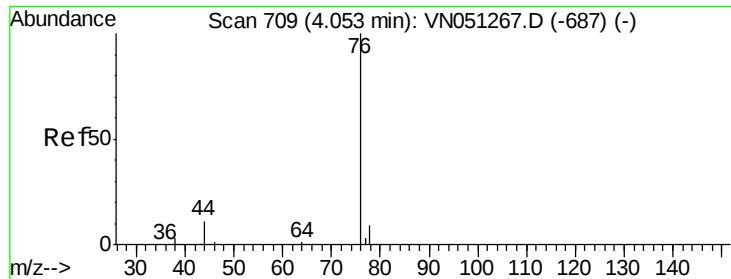
Tot Ion: 53 Resp: 161284
 Ion Ratio Lower Upper
 53 100
 52 81.1 65.0 97.6
 51 35.8 28.0 42.0



#16
 Acetone
 Concen: 83.48 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 43 Resp: 110463
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.2 42.2





#17

Carbon Disulfide

Concen: 17.53 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

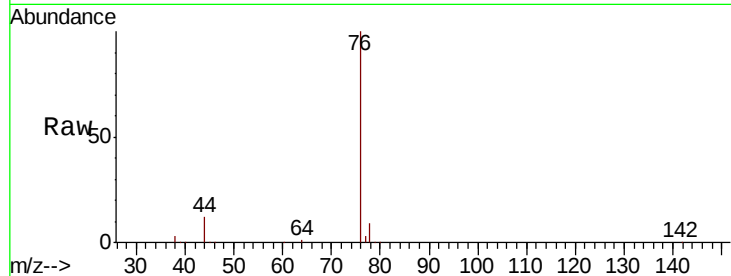
ClientSampled :

Tot Ion: 76 Resp: 282561

Ion Ratio Lower Upper

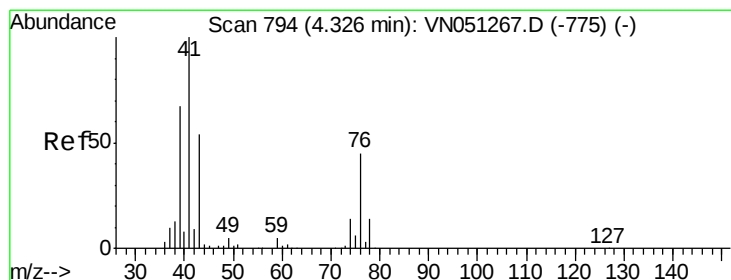
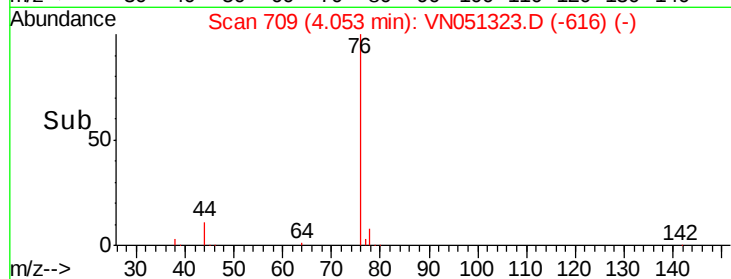
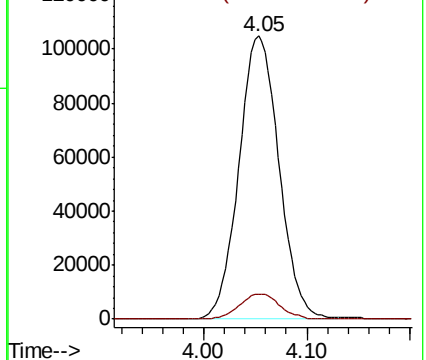
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN051323.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051323.D (-616) (-)



#18

Methyl Acetate

Concen: 20.54 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051323.D

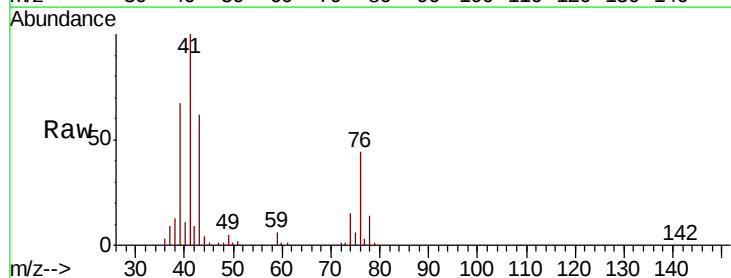
Acq: 19 Sep 2018 16:53

Tgt Ion: 43 Resp: 79964

Ion Ratio Lower Upper

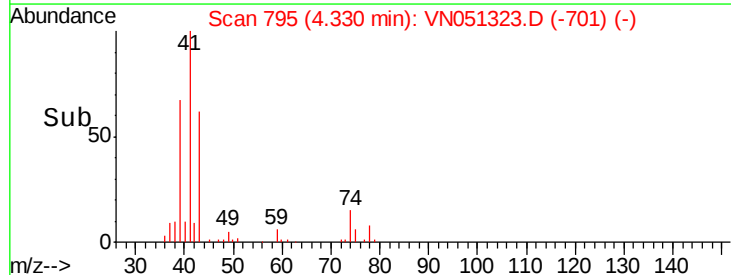
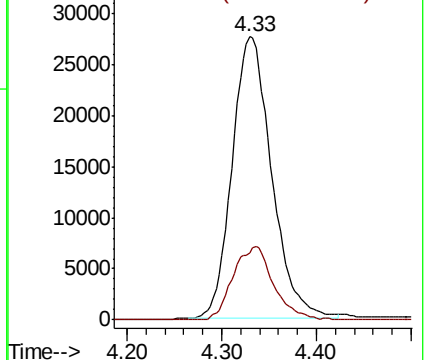
43 100

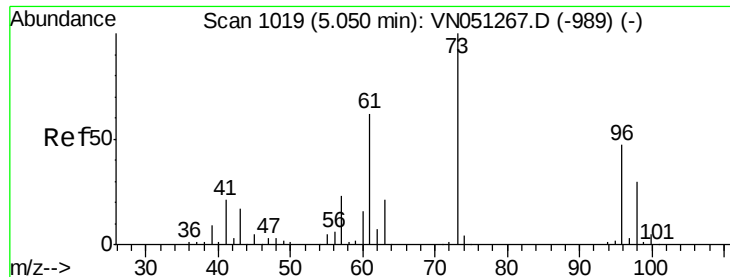
74 26.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN051323.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051323.D (-701) (-)

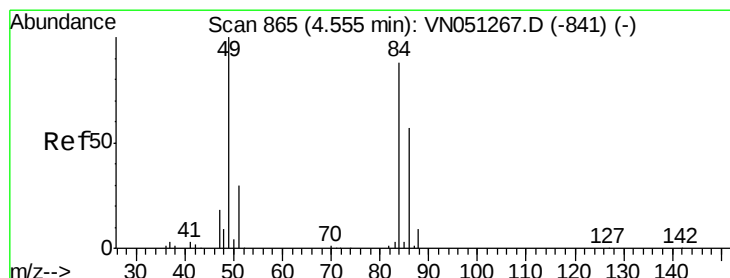
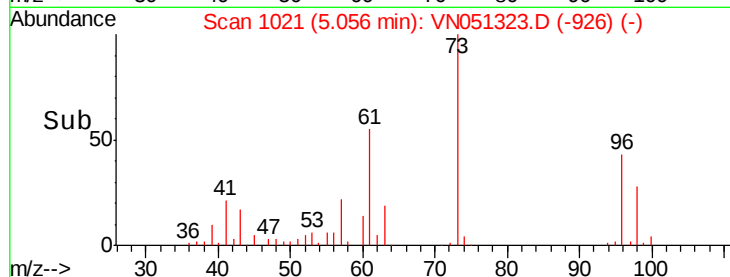
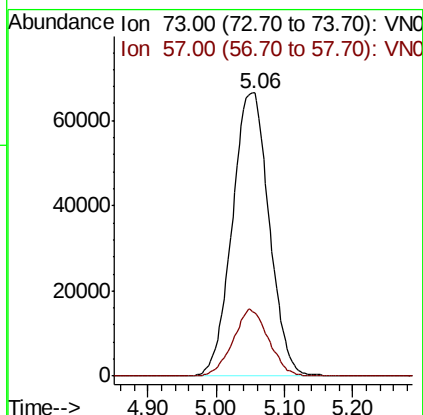
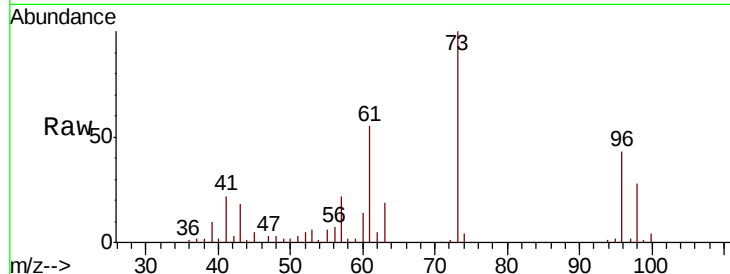




#19
Methyl tert-butyl Ether
Concen: 19.96 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

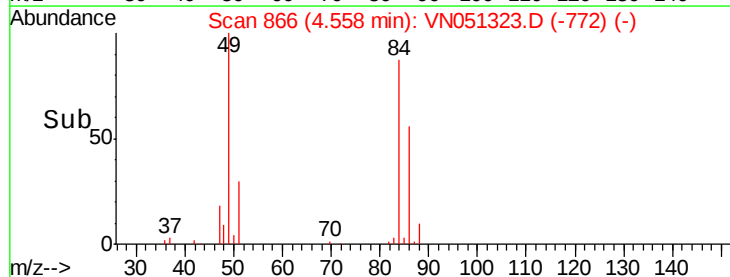
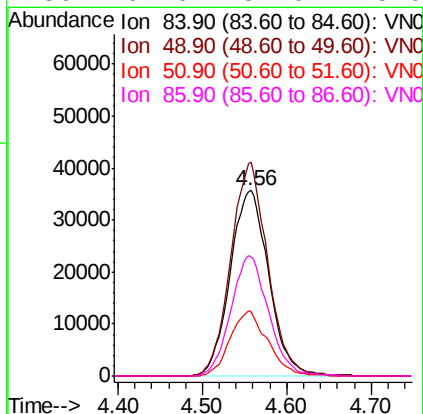
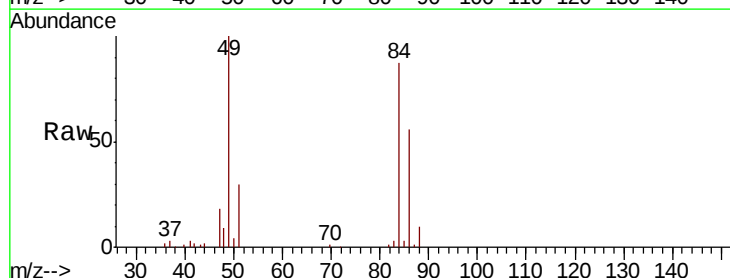
Instrument :
MSVOA_N
ClientSampleId :

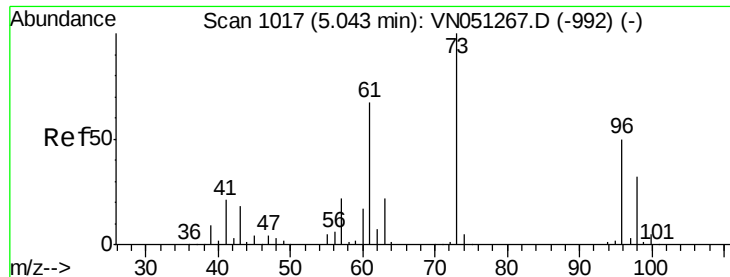
Tot Ion: 73 Resp: 249950
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1



#20
Methylene Chloride
Concen: 18.49 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 84 Resp: 113472
Ion Ratio Lower Upper
84 100
49 115.3 91.2 136.8
51 34.6 27.7 41.5
86 64.6 52.0 78.0

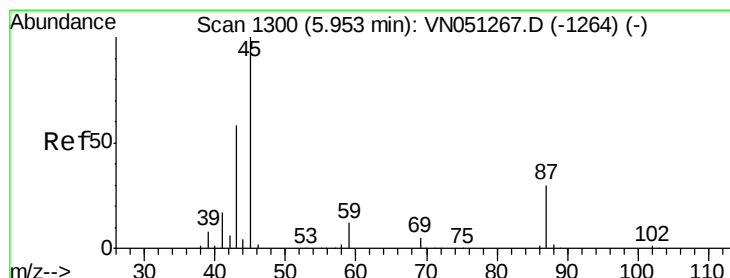
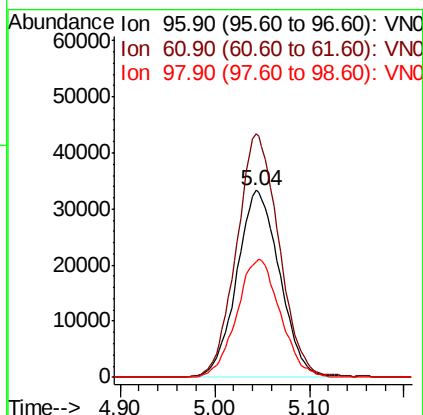
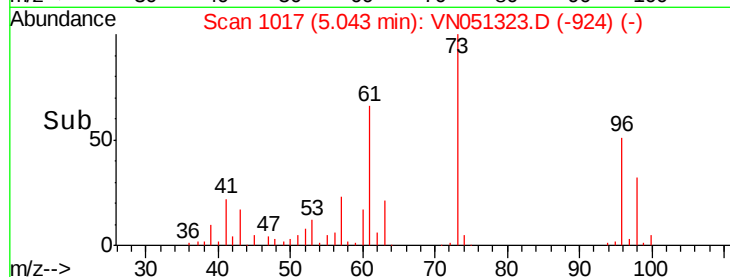
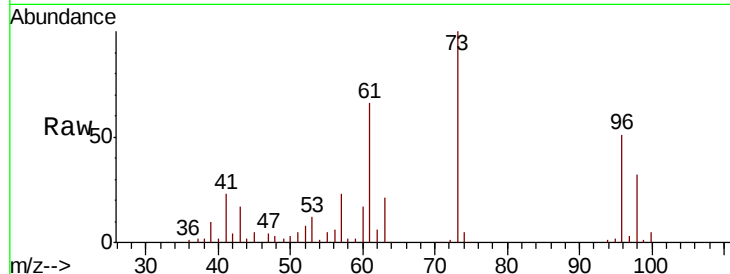




#21
trans-1,2-Dichloroethene
Concen: 18.31 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

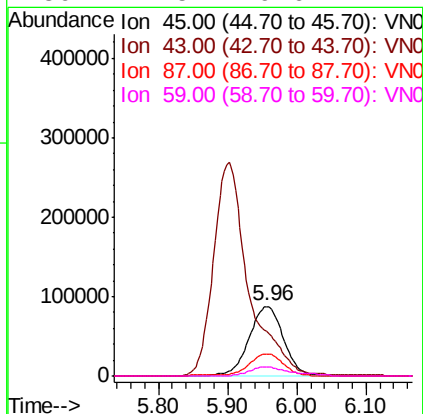
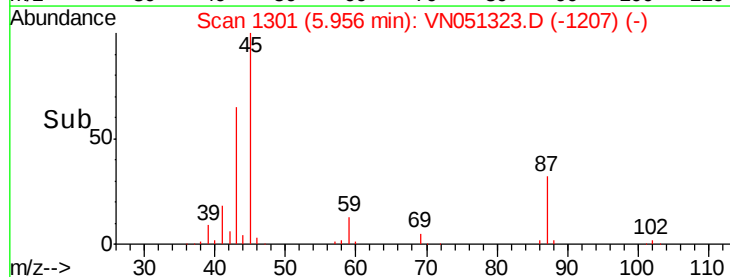
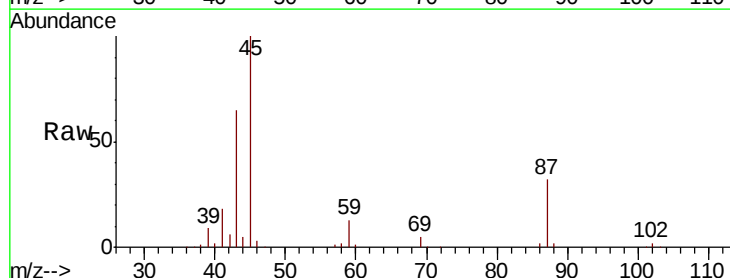
Instrument :
MSVOA_N
ClientSampled :

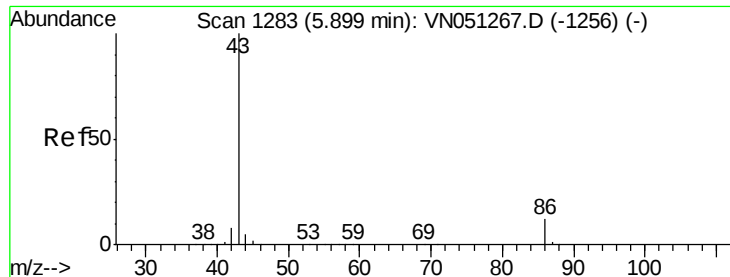
Tot Ion: 96 Resp: 104866
Ion Ratio Lower Upper
96 100
61 130.1 106.7 160.1
98 61.8 51.4 77.0



#22
Diisopropyl ether
Concen: 20.16 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 45 Resp: 301160
Ion Ratio Lower Upper
45 100
43 62.9 46.7 70.1
87 31.8 24.6 36.8
59 12.5 9.6 14.4

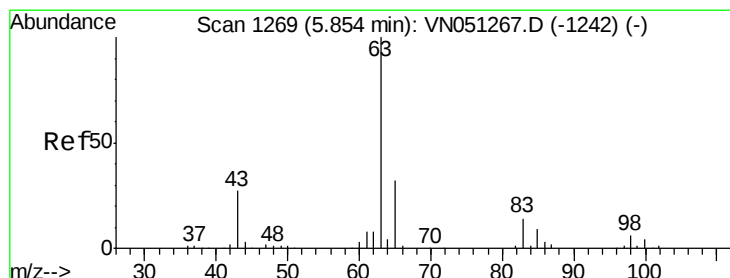
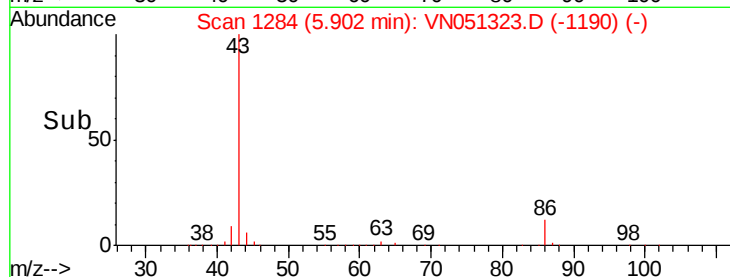
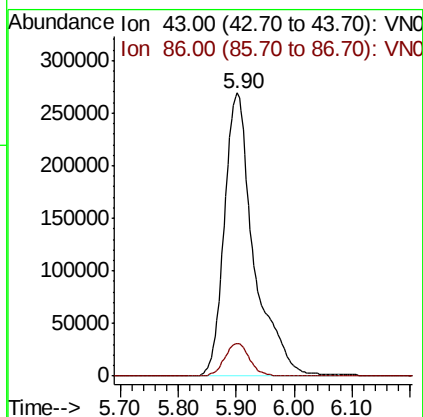
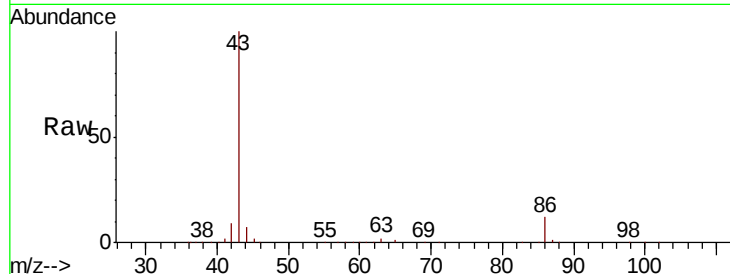




#23
 Vinyl Acetate
 Concen: 98.21 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

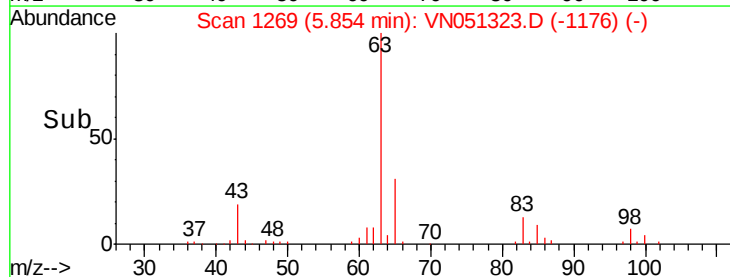
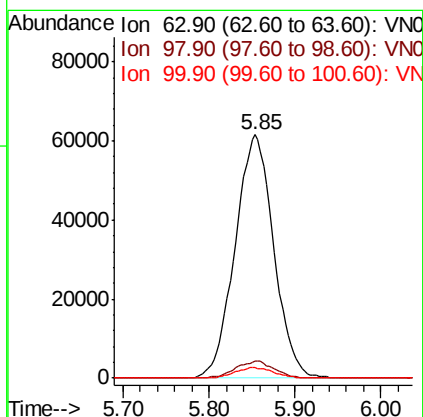
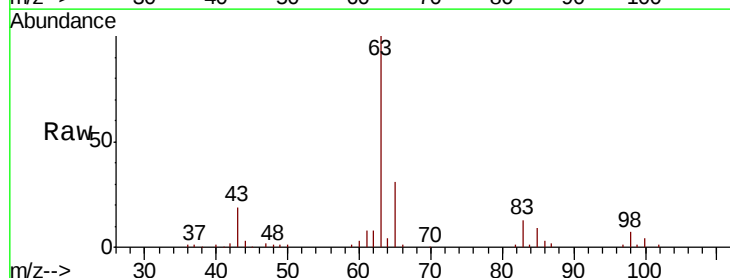
Instrument :
 MSVOA_N
 ClientSampled :

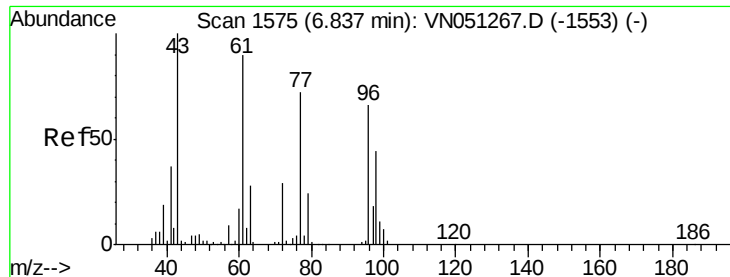
Tot Ion: 43 Resp: 950520
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.3 13.9



#24
 1,1-Dichloroethane
 Concen: 19.22 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 63 Resp: 191943
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.4 2.3 6.8

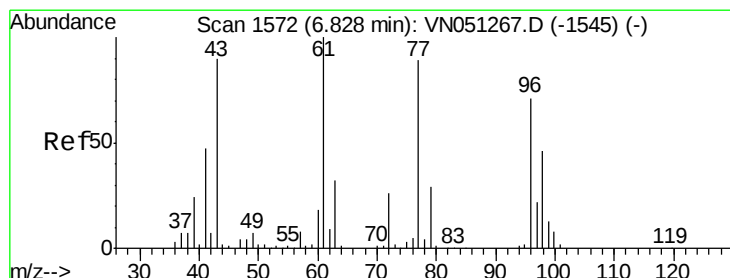
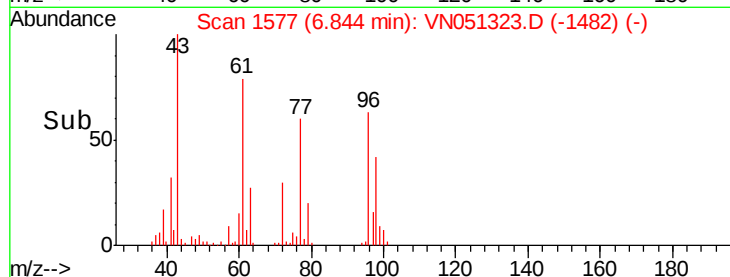
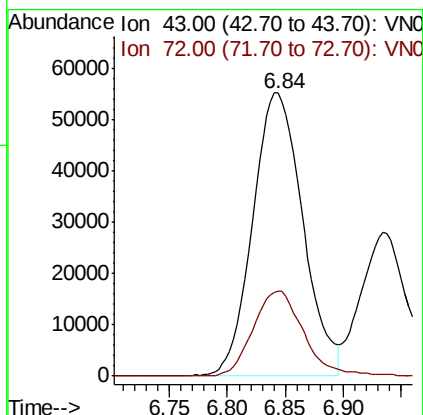
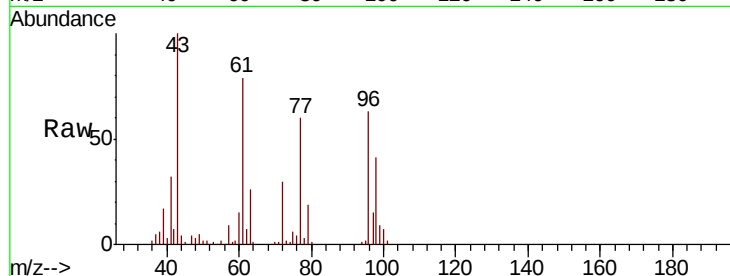




#25
2-Butanone
Concen: 92.70 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

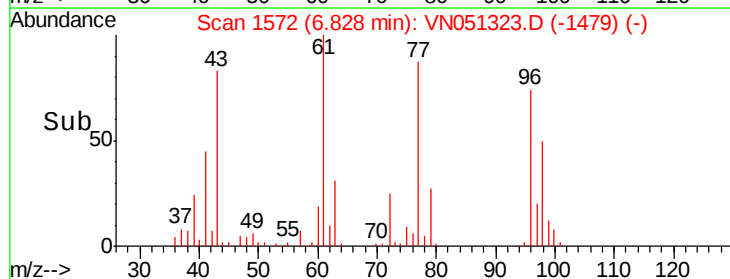
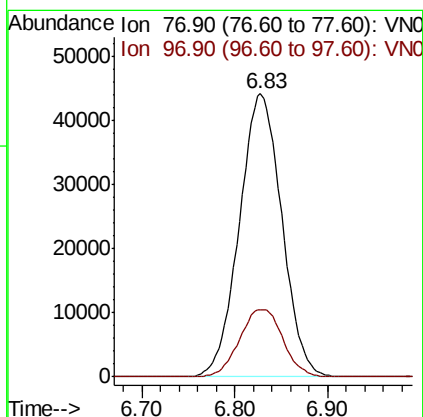
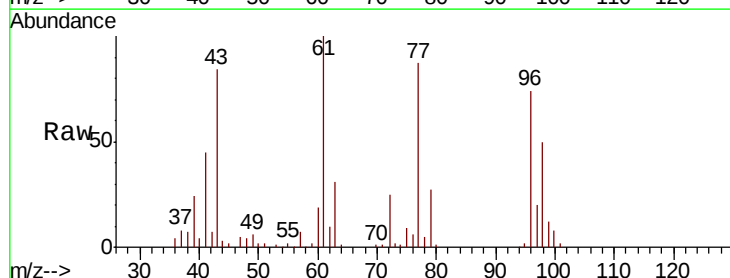
Instrument :
MSVOA_N
ClientSampled :

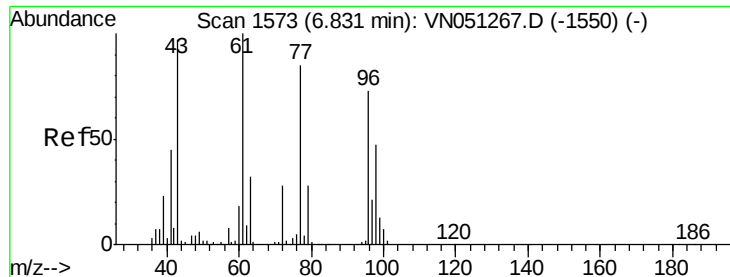
Tot Ion: 43 Resp: 166507
Ion Ratio Lower Upper
43 100
72 30.1 23.4 35.0



#26
2,2-Dichloropropane
Concen: 17.26 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 77 Resp: 140183
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.03 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :

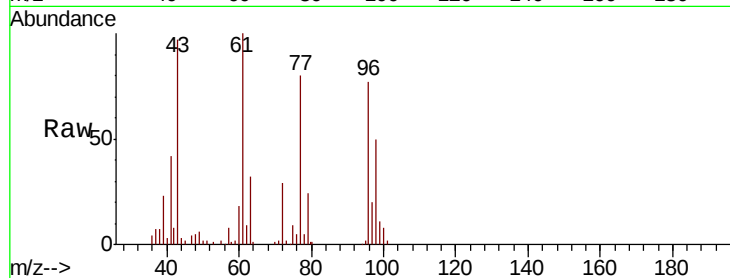
Tot Ion: 96 Resp: 116448

Ion Ratio Lower Upper

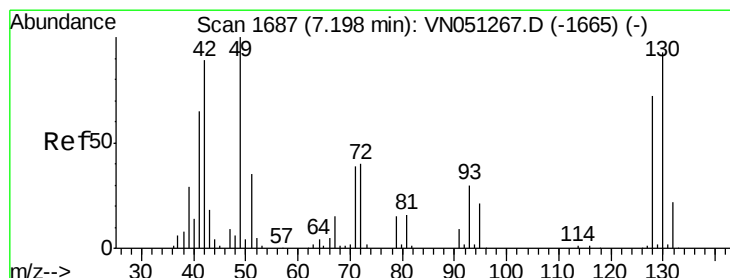
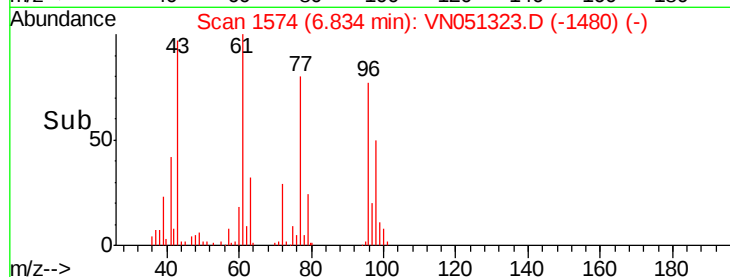
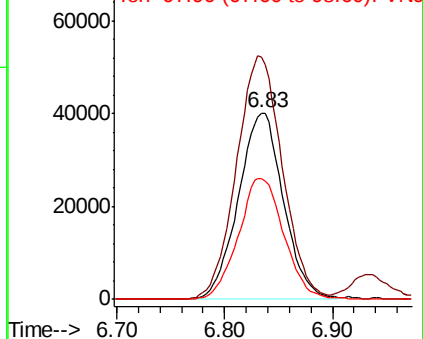
96 100

61 133.1 0.0 276.2

98 65.4 0.0 129.2



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



#28

Bromochloromethane

Concen: 18.80 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

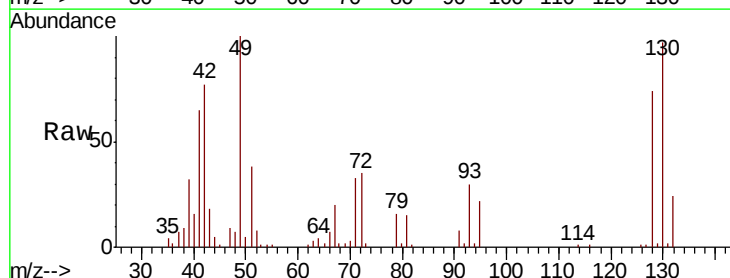
Tgt Ion: 49 Resp: 82702

Ion Ratio Lower Upper

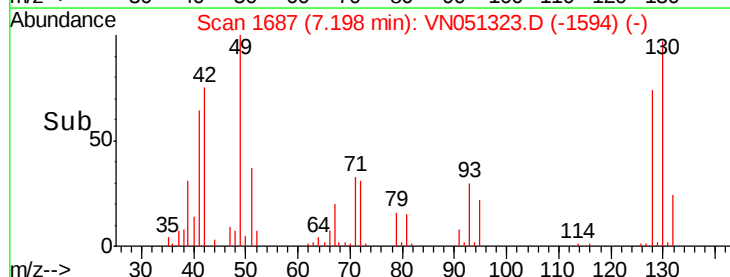
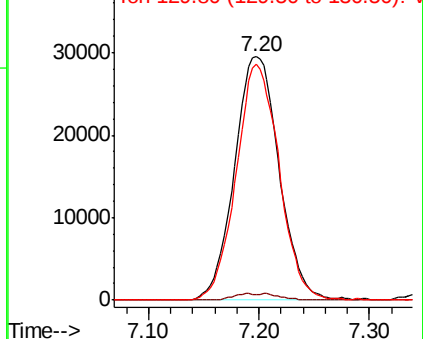
49 100

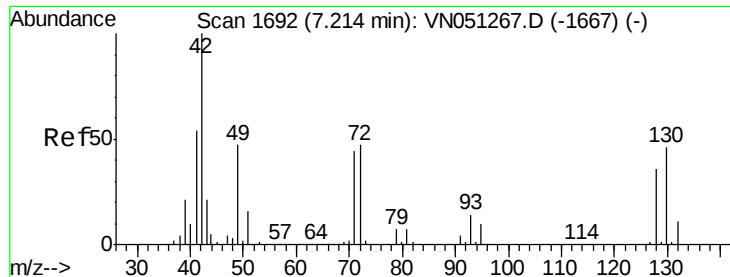
129 1.3 0.0 4.6

130 93.2 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

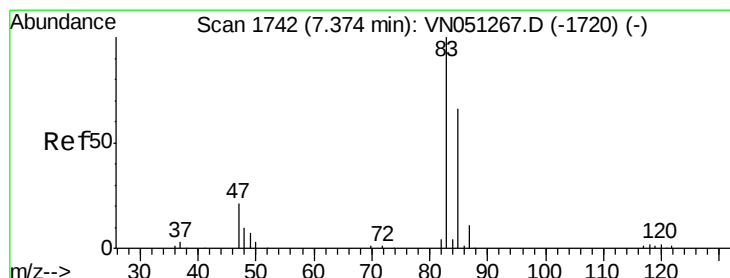
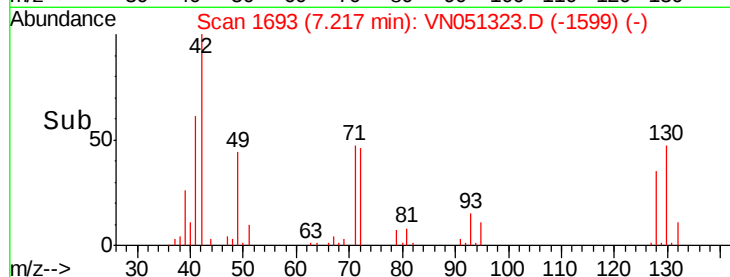
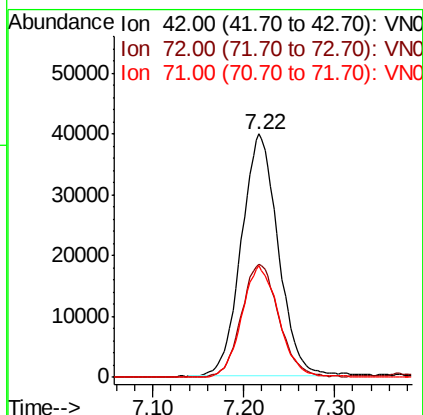
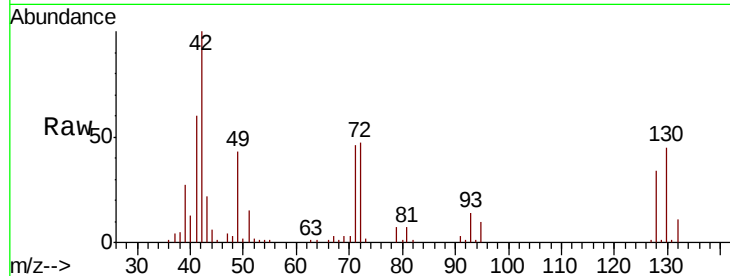




#29
Tetrahydrofuran
Concen: 101.15 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

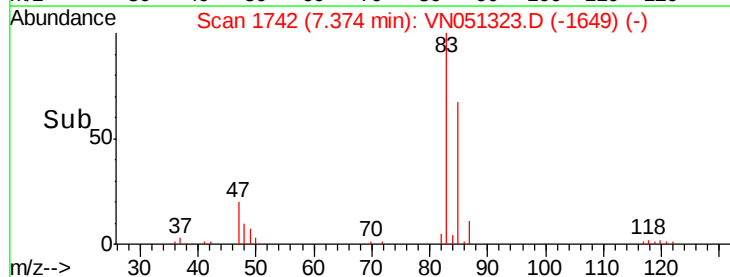
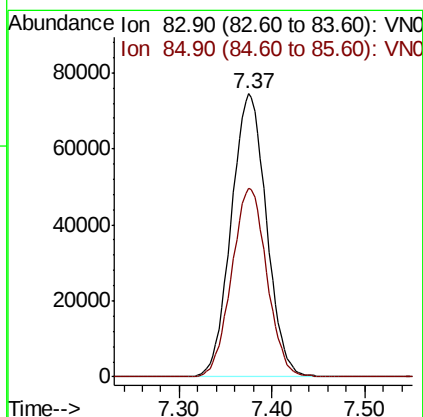
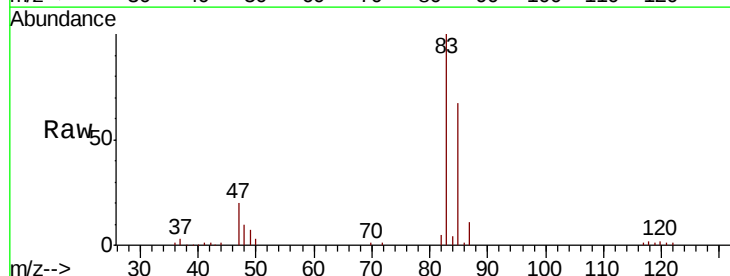
Instrument :
MSVOA_N
ClientSampleId :

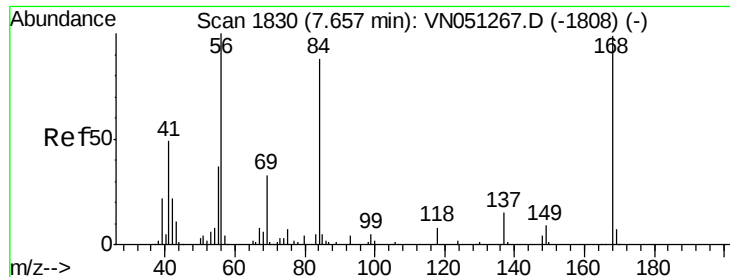
Tot Ion: 42 Resp: 112333
Ion Ratio Lower Upper
42 100
72 47.6 37.6 56.4
71 46.0 35.4 53.2



#30
Chloroform
Concen: 19.19 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 83 Resp: 195708
Ion Ratio Lower Upper
83 100
85 66.5 52.4 78.6

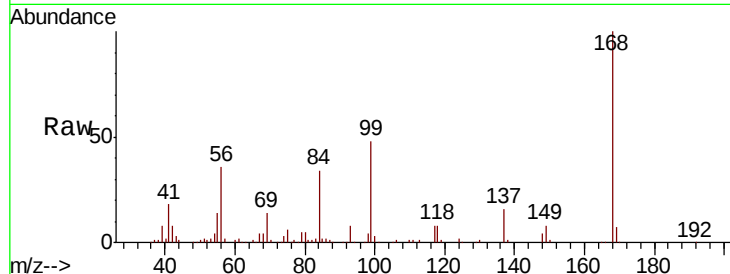




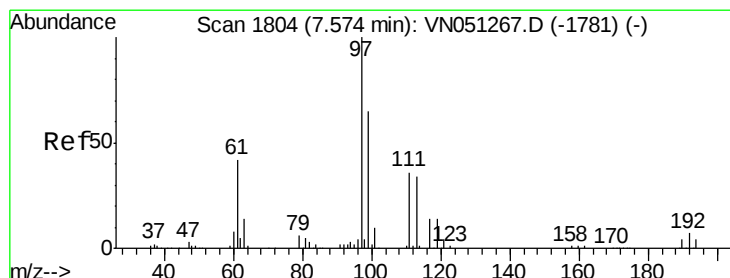
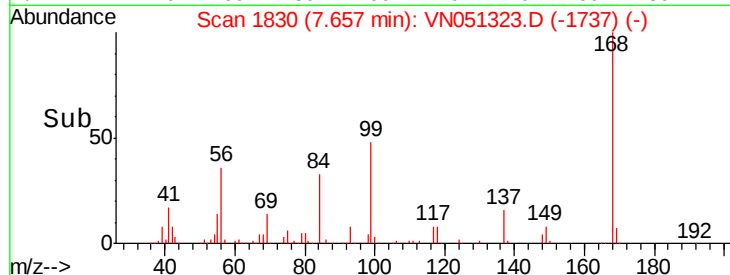
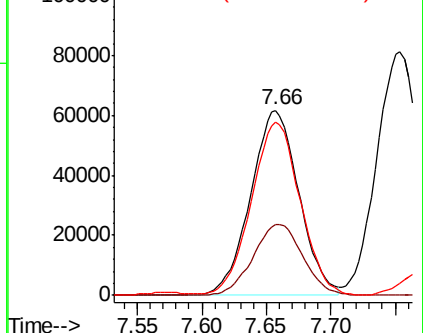
#31
Cyclohexane
Concen: 17.78 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 161178
Ion Ratio Lower Upper
56 100
69 38.3 26.2 39.2
84 92.4 70.6 106.0

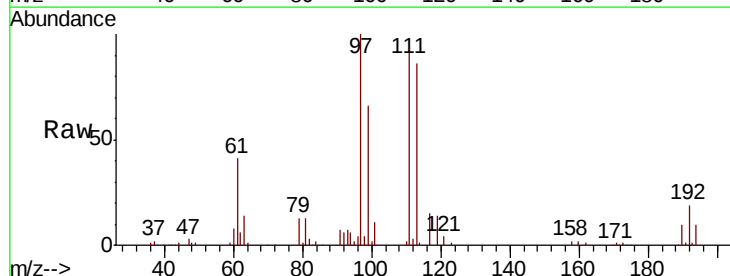


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

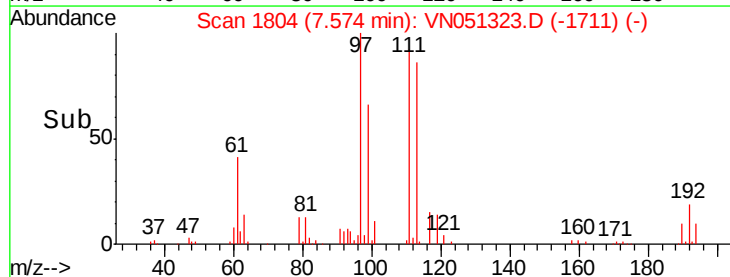
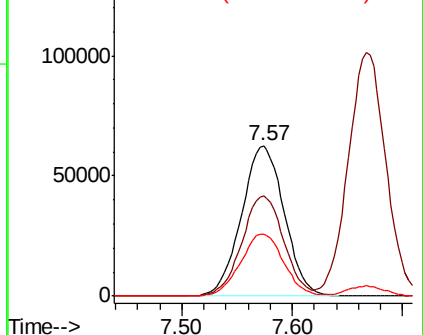


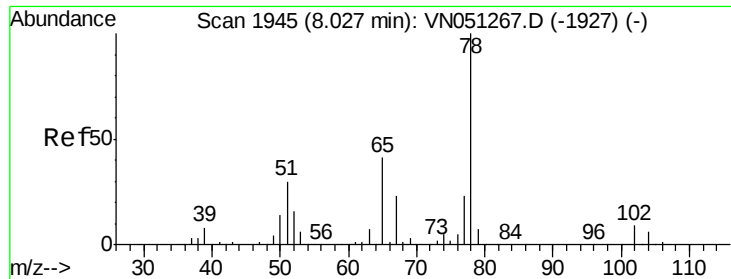
#32
1,1,1-Trichloroethane
Concen: 19.17 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 97 Resp: 167802
Ion Ratio Lower Upper
97 100
99 65.6 51.6 77.4
61 41.8 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

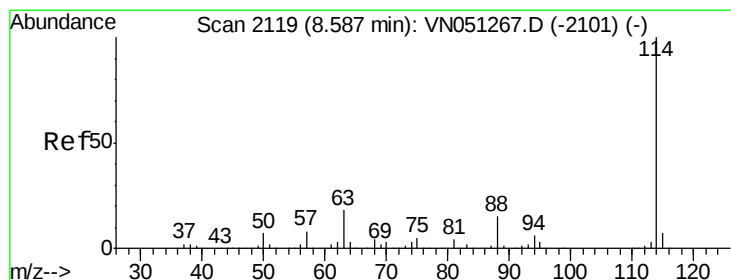
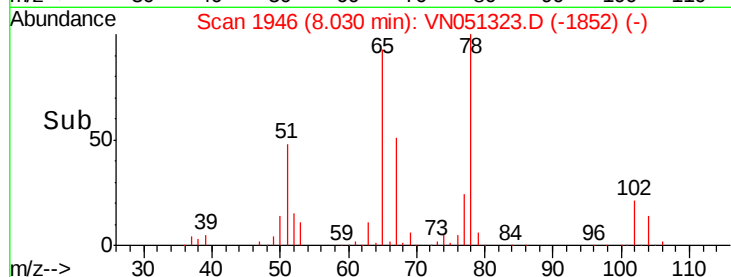
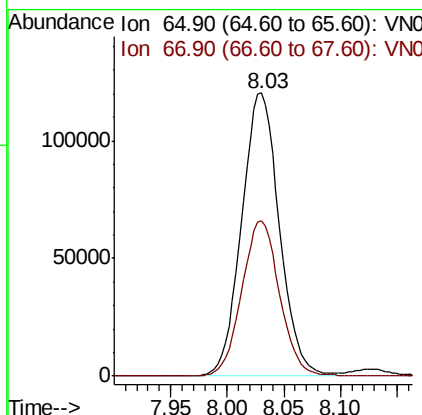
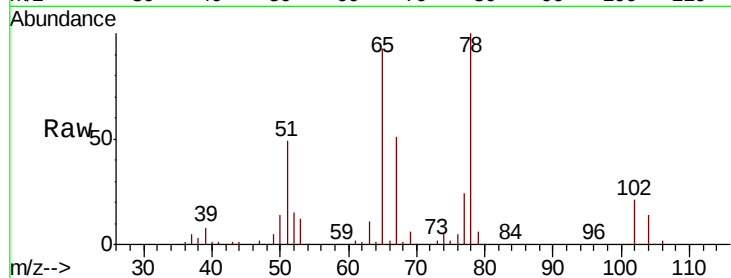




#33
 1,2-Dichloroethane-d4
 Concen: 49.85 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

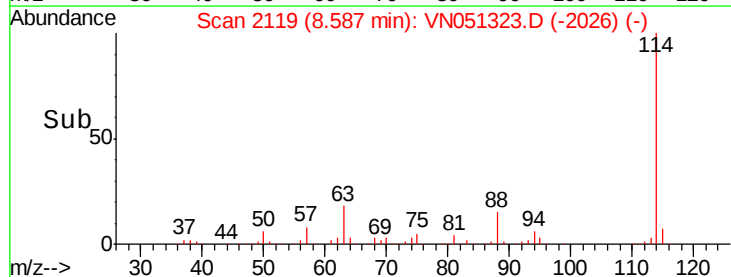
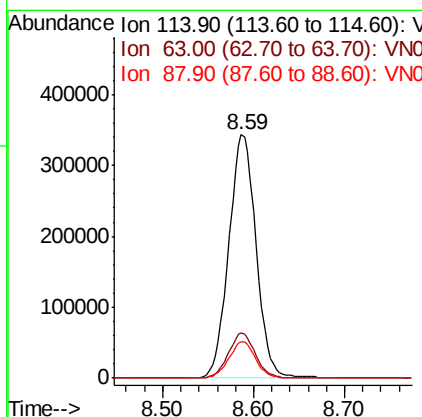
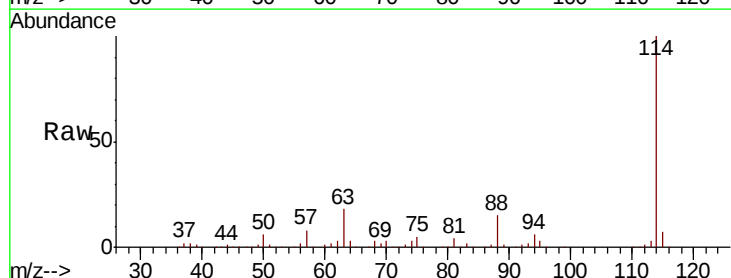
Instrument :
 MSVOA_N
 ClientSampled :

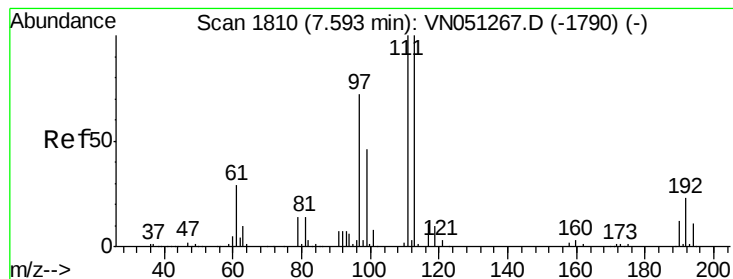
Tot Ion: 65 Resp: 279508
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 114 Resp: 716293
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.8
 88 14.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.59 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampled :

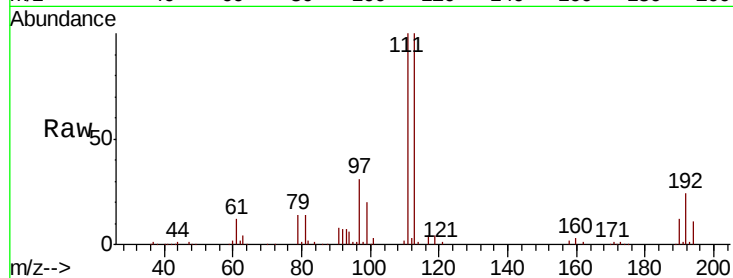
Tot Ion:113 Resp: 276032

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

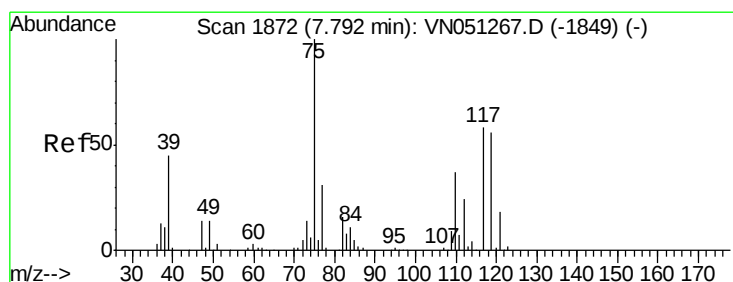
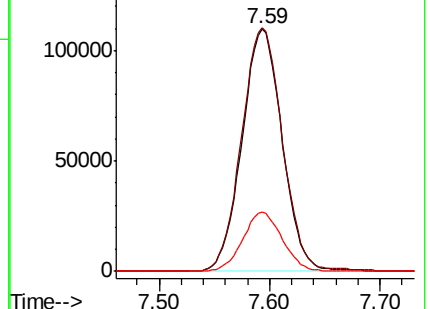
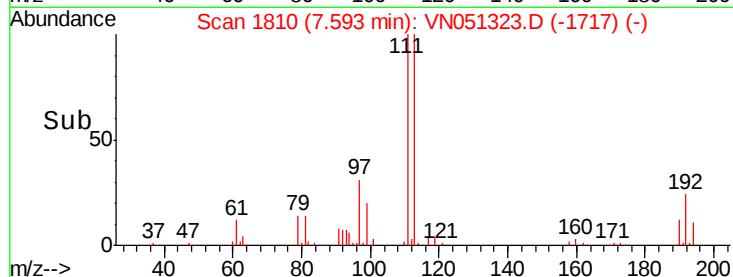
192 24.0 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.38 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

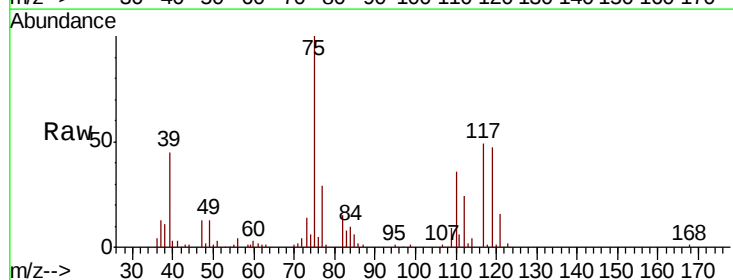
Tgt Ion: 75 Resp: 142489

Ion Ratio Lower Upper

75 100

110 38.0 18.6 56.0

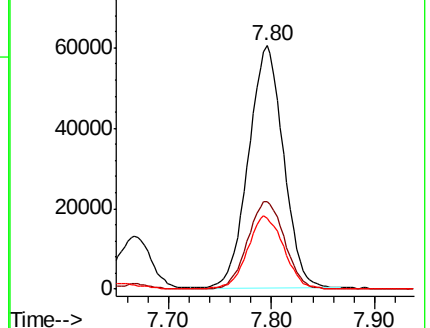
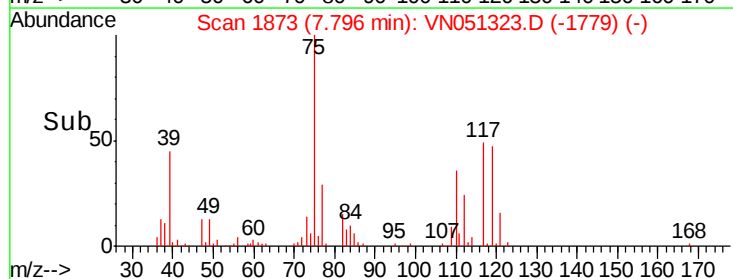
77 31.2 24.7 37.1

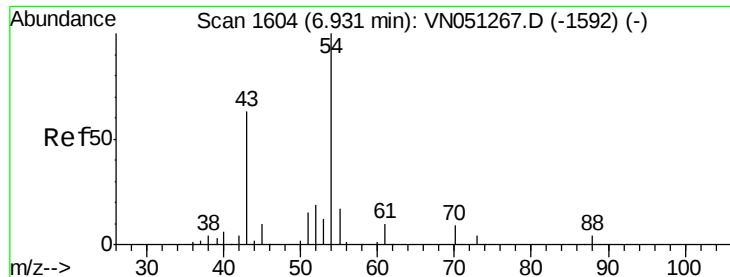


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

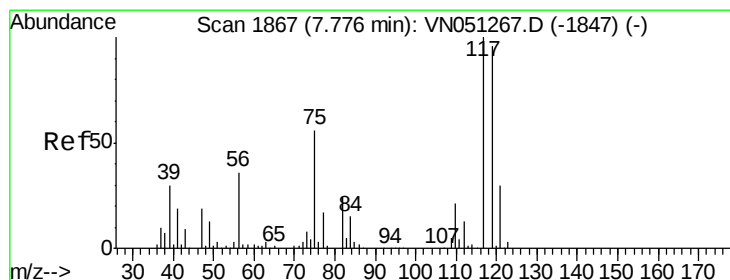
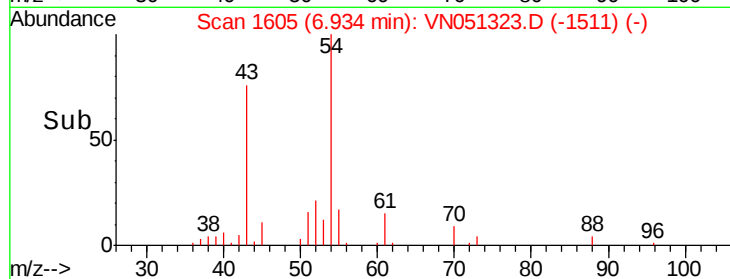
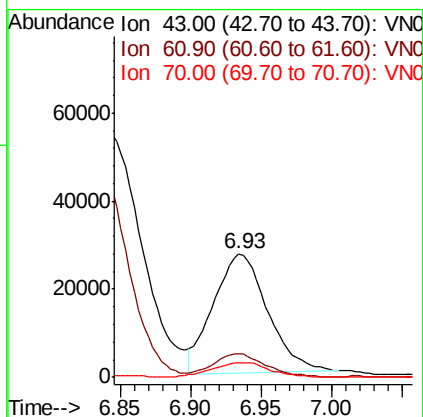
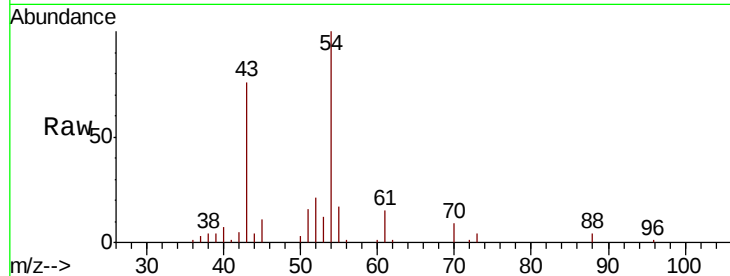




#37
Ethyl Acetate
Concen: 18.25 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

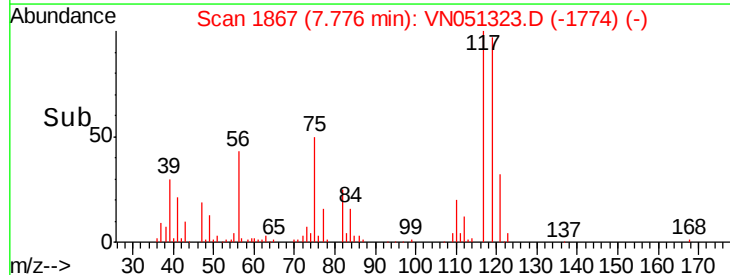
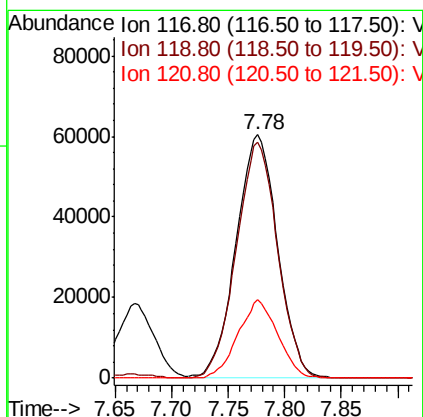
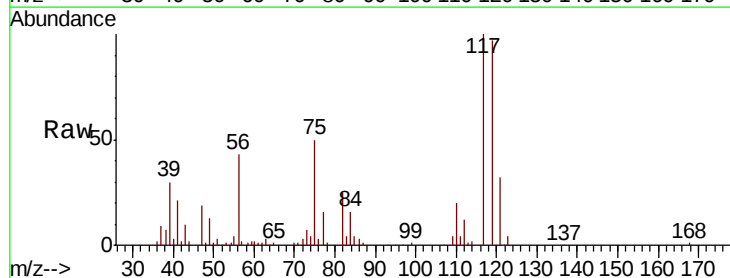
Instrument :
MSVOA_N
ClientSampled :

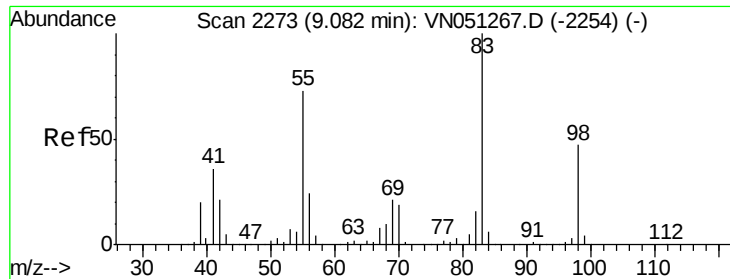
Tot Ion: 43 Resp: 72737
Ion Ratio Lower Upper
43 100
61 18.7 12.3 18.5#
70 13.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 19.10 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 117 Resp: 154414
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2
121 32.0 24.2 36.2

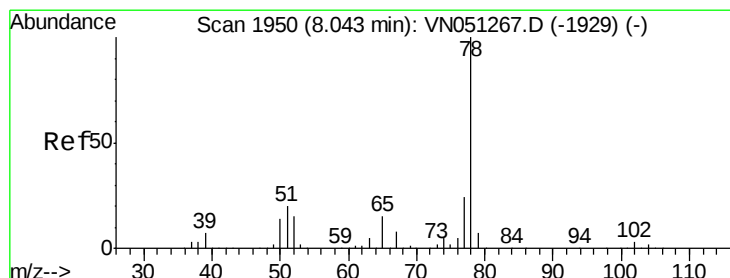
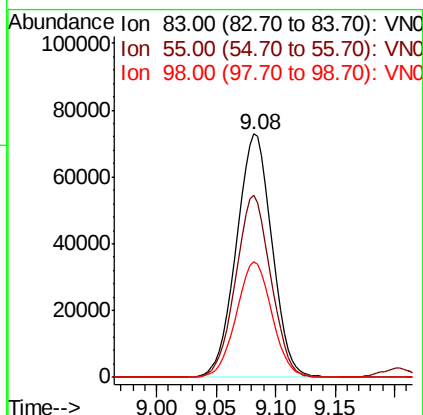
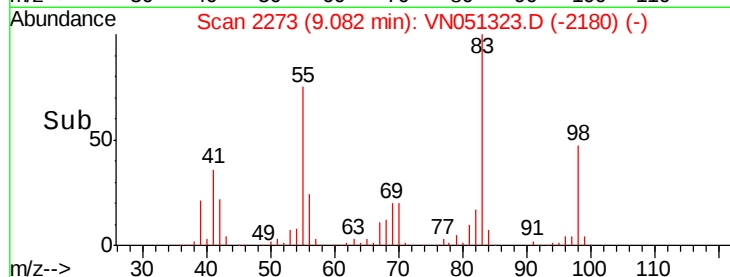
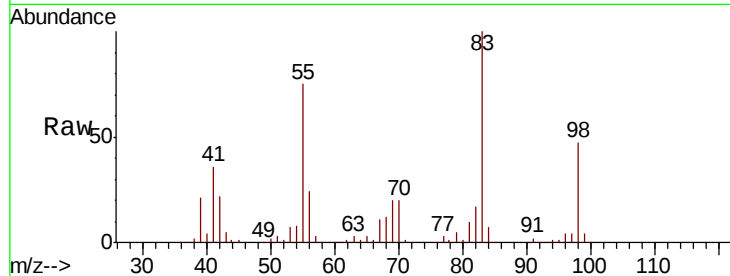




#39
Methvlcvclohexane
Concen: 17.97 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

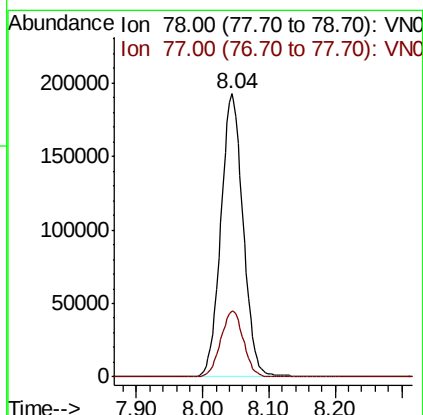
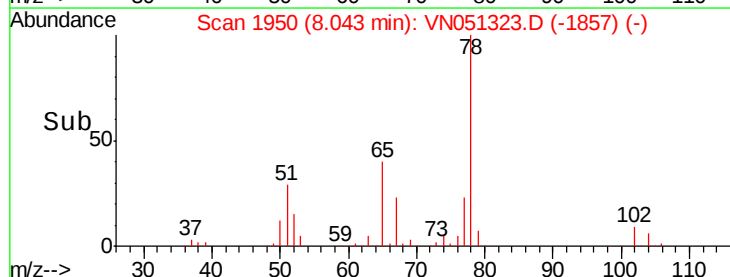
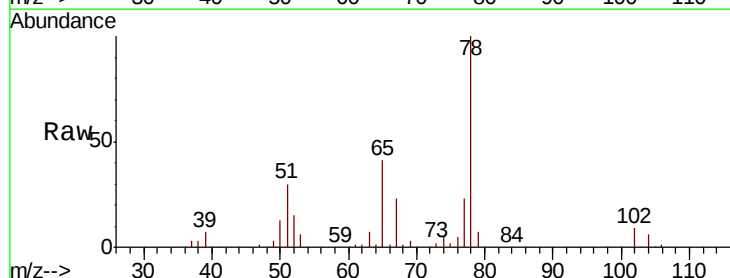
Instrument :
MSVOA_N
ClientSampled :

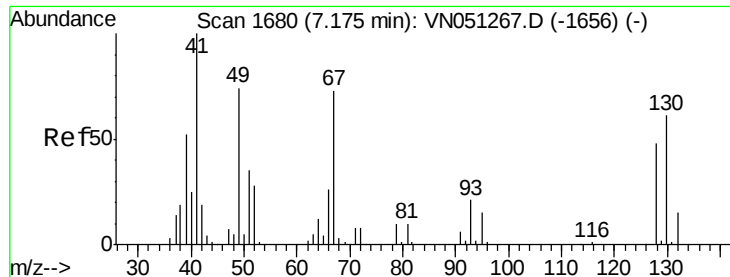
Tot Ion: 83 Resp: 151371
Ion Ratio Lower Upper
83 100
55 75.0 58.7 88.1
98 47.3 37.3 55.9



#40
Benzene
Concen: 19.46 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 78 Resp: 448882
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4

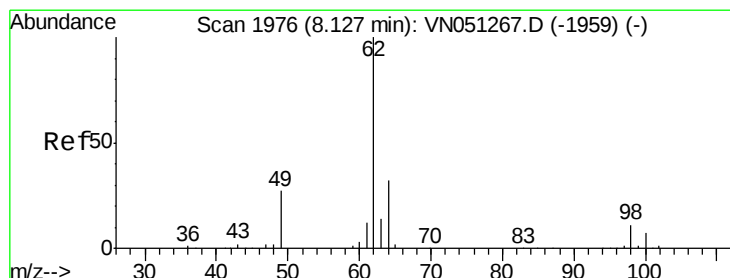
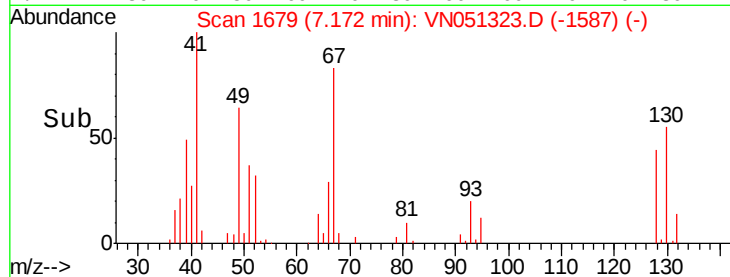
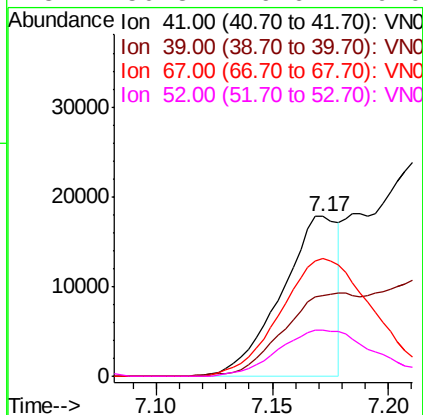
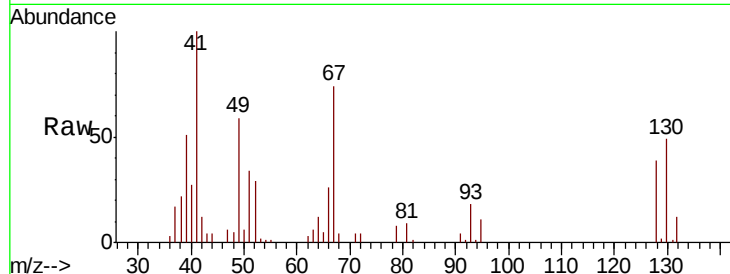




#41
Methacrylonitrile
Concen: 14.77 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

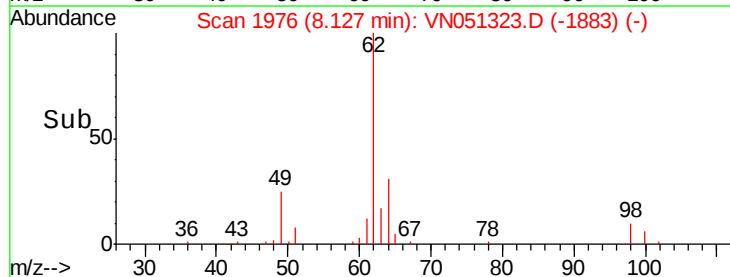
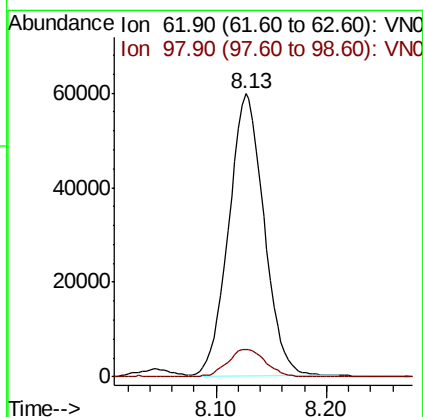
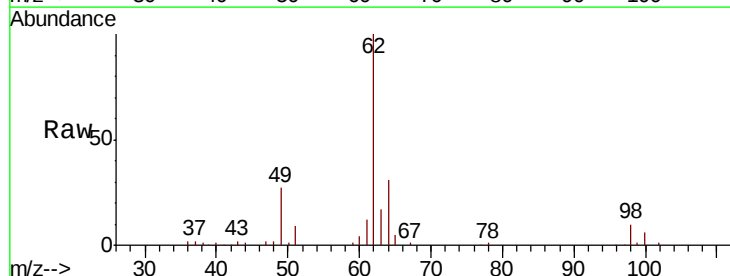
Instrument :
MSVOA_N
ClientSampled :

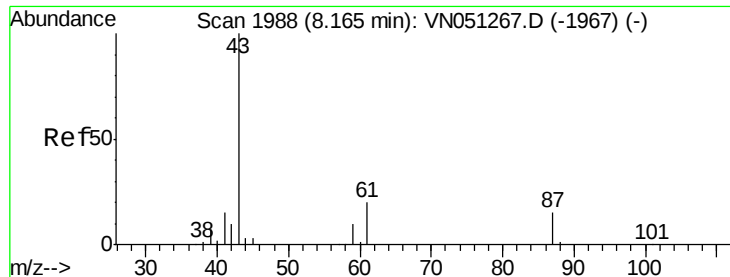
Tot Ion: 41 Resp: 30219
Ion Ratio Lower Upper
41 100
39 68.6 47.8 71.6
67 123.2 69.8 104.6#
52 50.8 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 62 Resp: 132563
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.96 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

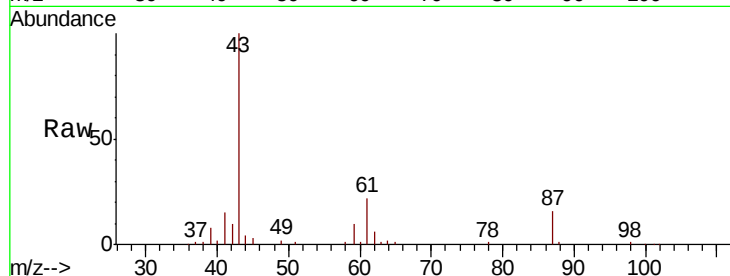
Tot Ion: 43 Resp: 144586

Ion Ratio Lower Upper

43 100

61 21.8 17.4 26.2

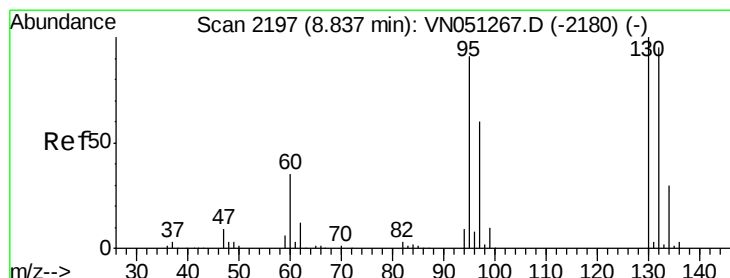
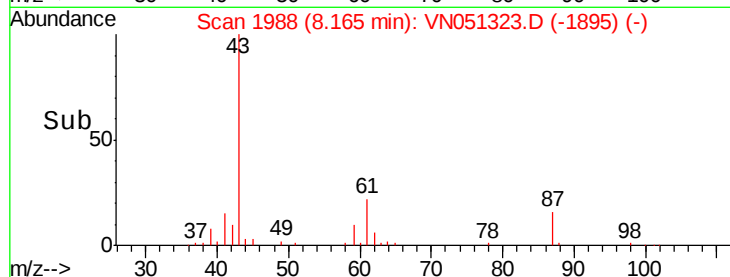
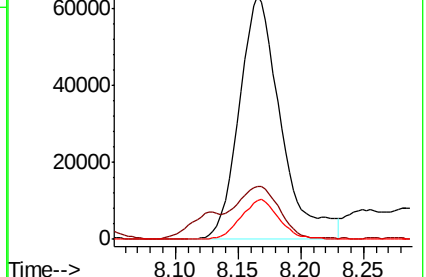
87 15.0 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN051323.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN051323.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN051323.D (-1988) (-)



#44

Trichloroethene

Concen: 18.92 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051323.D

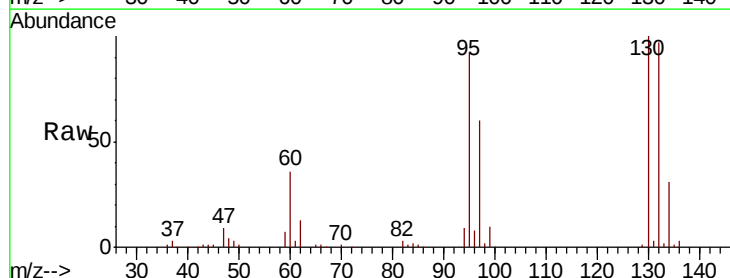
Acq: 19 Sep 2018 16:53

Tgt Ion: 130 Resp: 122688

Ion Ratio Lower Upper

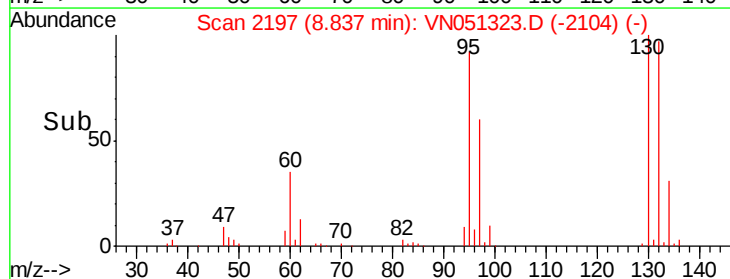
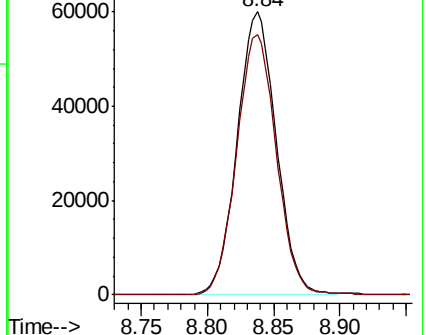
130 100

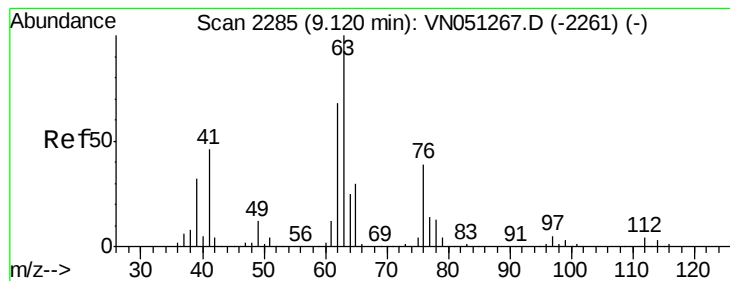
95 92.1 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051323.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN051323.D (-2197) (-)





#45

1,2-Dichloropropane

Concen: 19.65 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

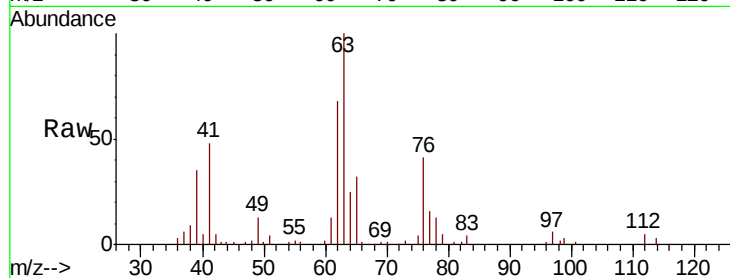
ClientSampleId :

Tot Ion: 63 Resp: 114941

Ion Ratio Lower Upper

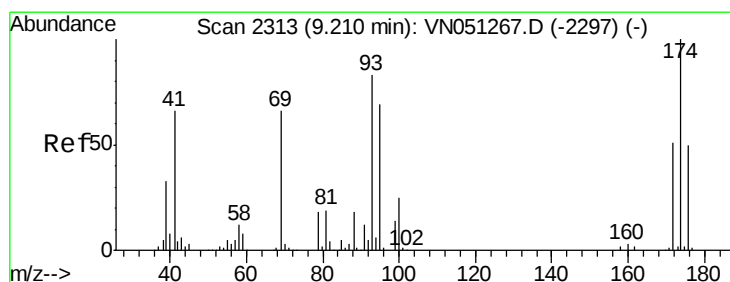
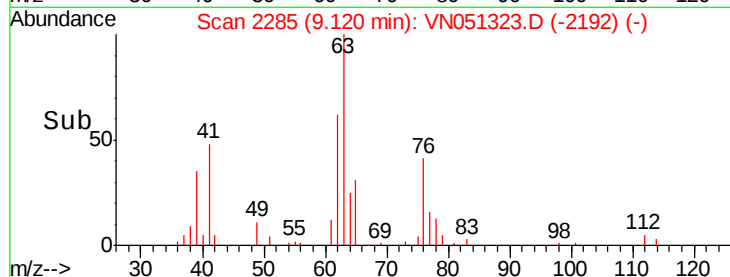
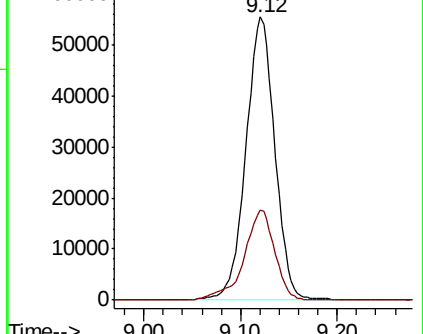
63 100

65 31.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.06 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

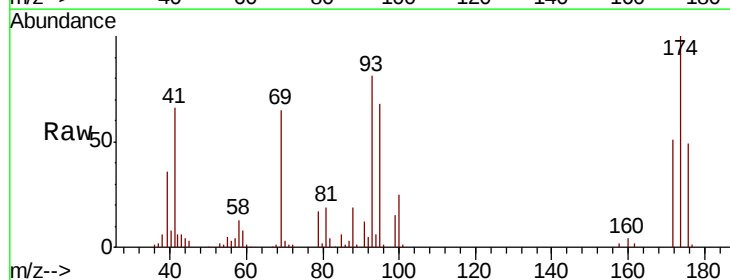
Tgt Ion: 93 Resp: 71457

Ion Ratio Lower Upper

93 100

95 81.4 66.6 100.0

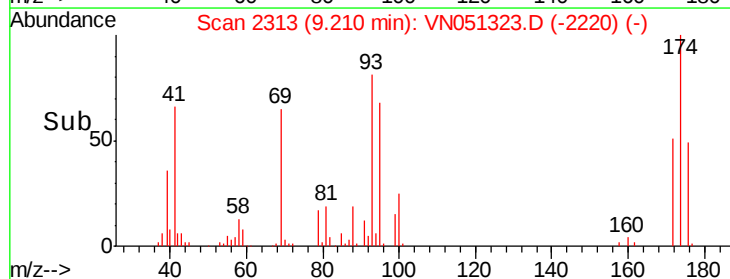
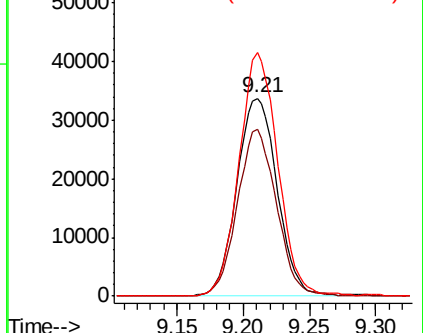
174 118.2 95.6 143.4

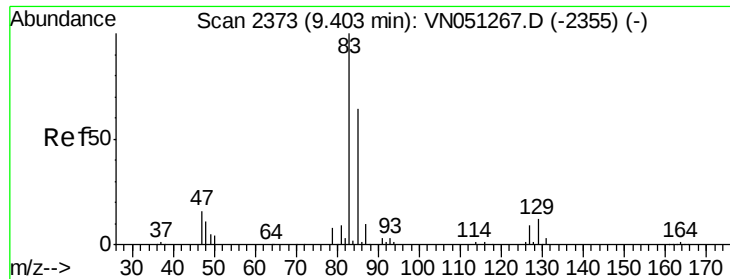


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.41 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

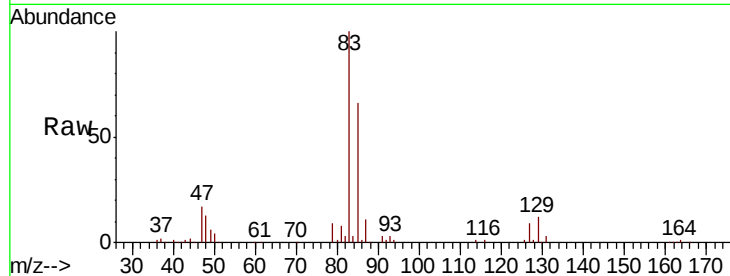
Tot Ion: 83 Resp: 147433

Ion Ratio Lower Upper

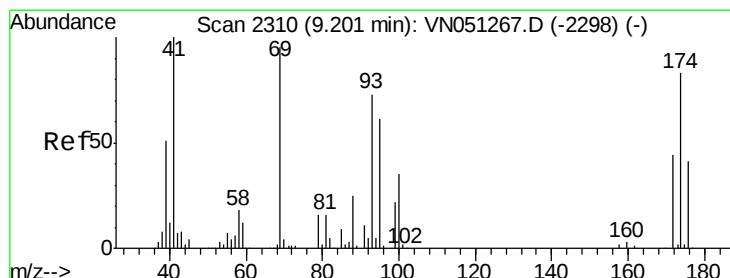
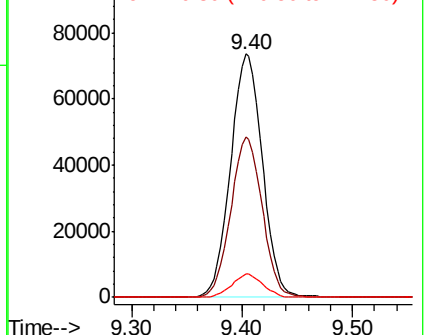
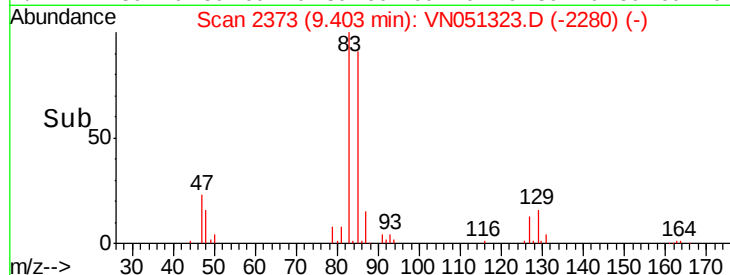
83 100

85 66.0 51.0 76.4

127 9.4 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN051323.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.03 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

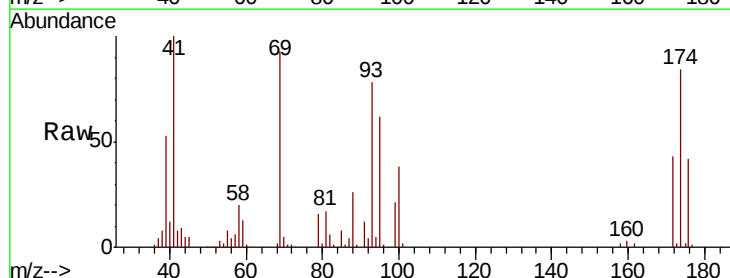
Tgt Ion: 41 Resp: 66546

Ion Ratio Lower Upper

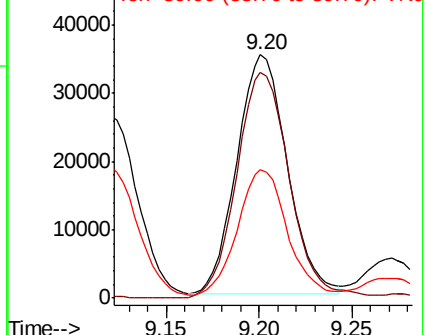
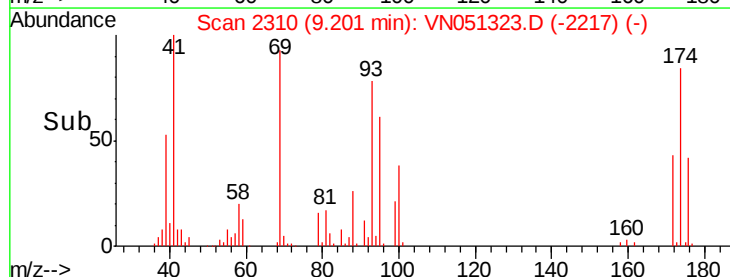
41 100

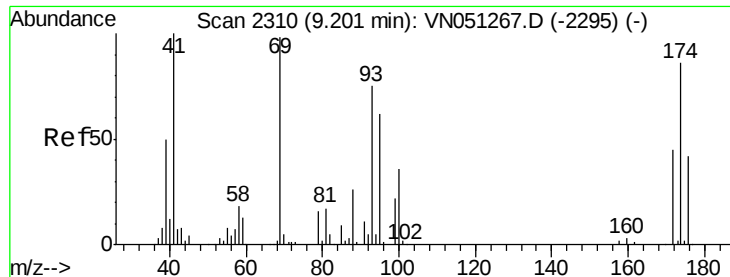
69 98.6 78.9 118.3

39 53.4 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN051323.D (-2217) (-)





#49

1,4-Dioxane

Concen: 421.87 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :

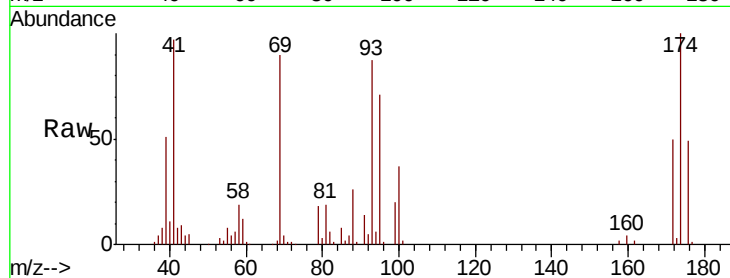
Tot Ion: 88 Resp: 20274

Ion Ratio Lower Upper

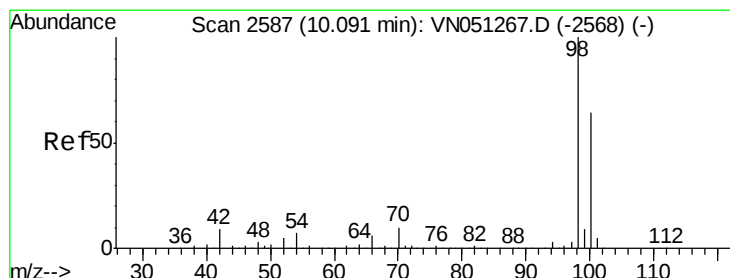
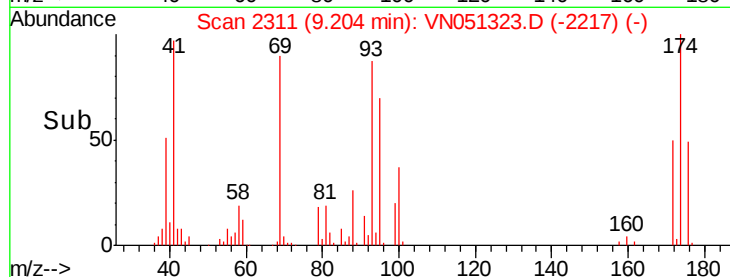
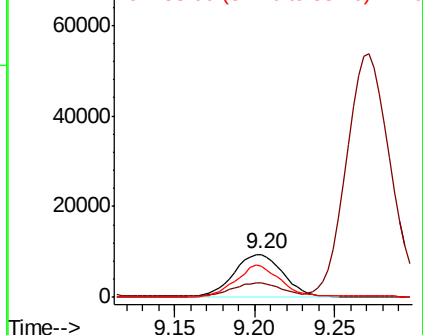
88 100

43 29.4 25.3 37.9

58 67.0 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: 49.52 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051323.D

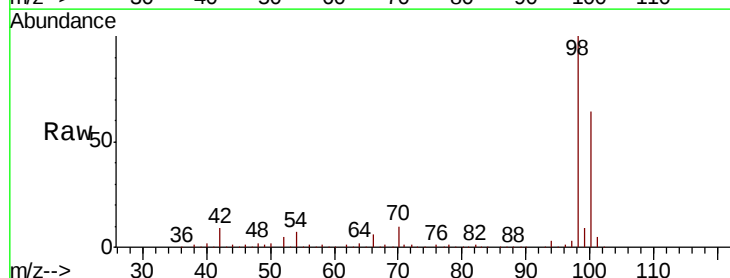
Acq: 19 Sep 2018 16:53

Tgt Ion: 98 Resp: 1018942

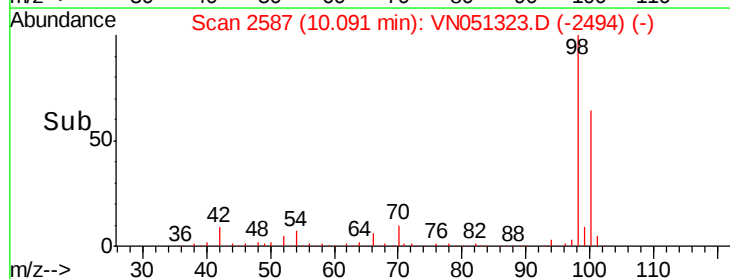
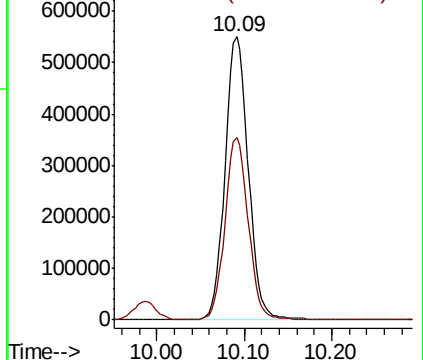
Ion Ratio Lower Upper

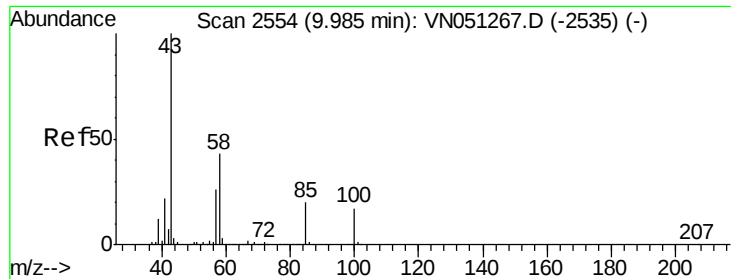
98 100

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

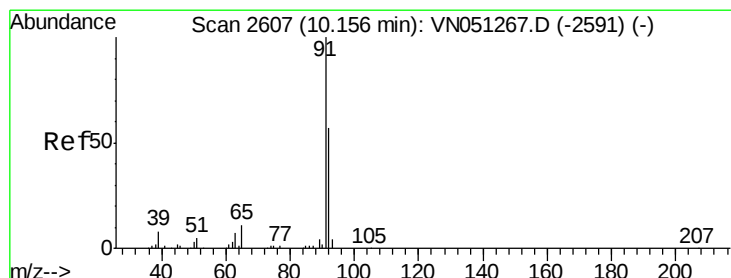
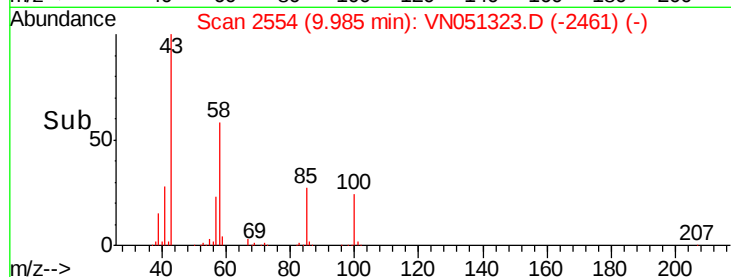
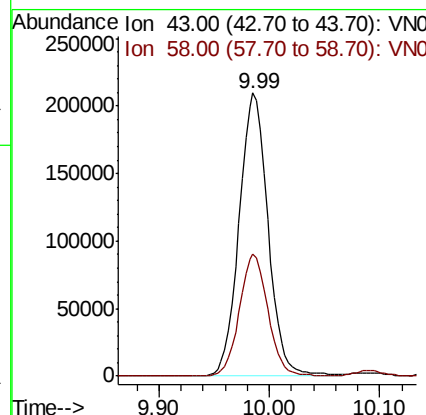
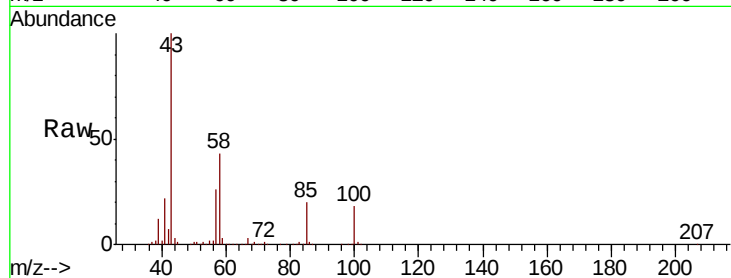




#51
 4-Methyl-2-Pentanone
 Concen: 106.89 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

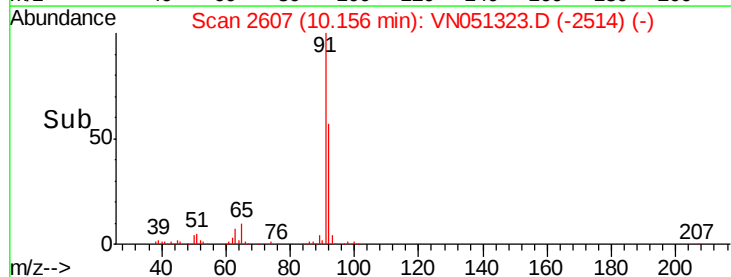
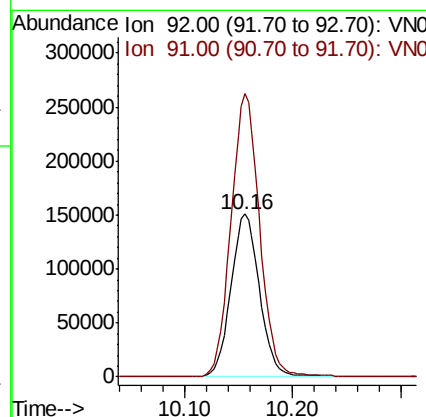
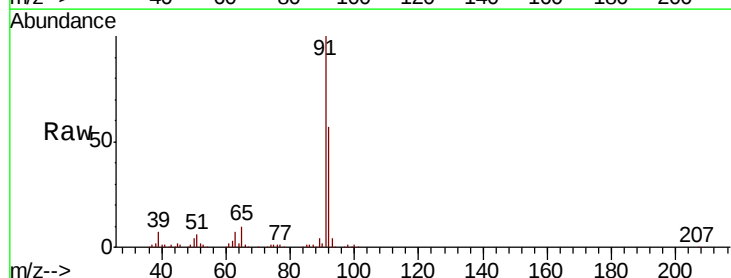
Instrument :
 MSVOA_N
 ClientSampled :

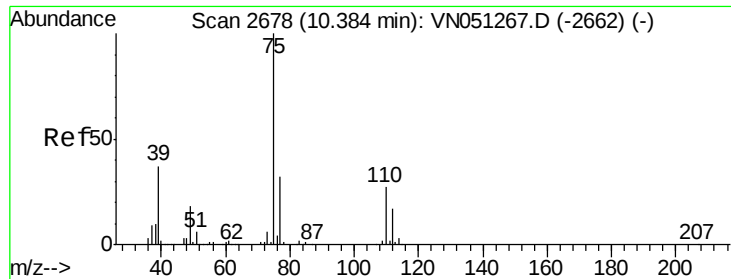
Tot Ion: 43 Resp: 380397
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.8 50.6



#52
 Toluene
 Concen: 20.27 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 92 Resp: 279902
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 19.07 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

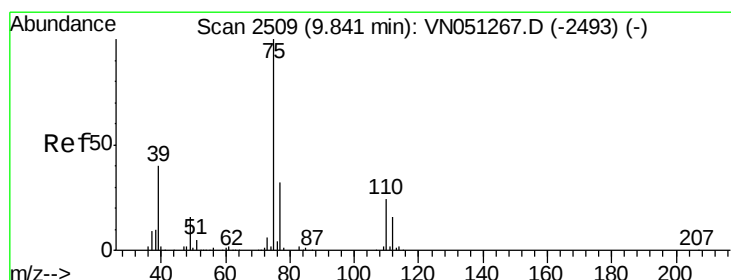
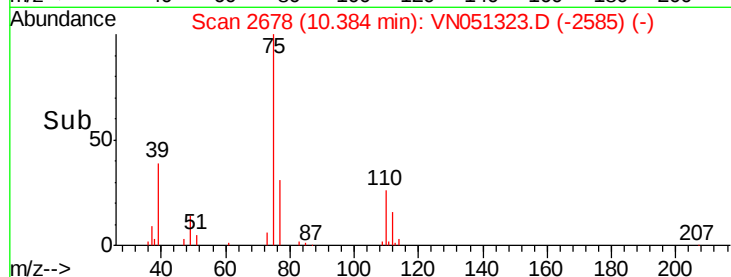
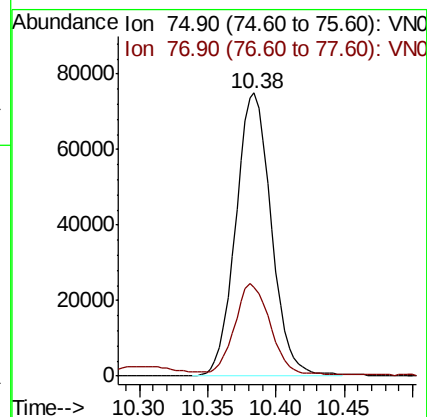
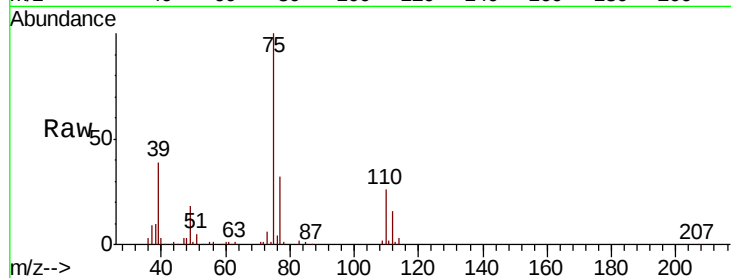
ClientSampleId :

Tot Ion: 75 Resp: 136053

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.24 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

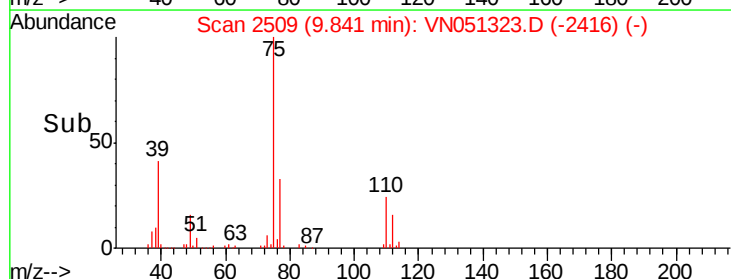
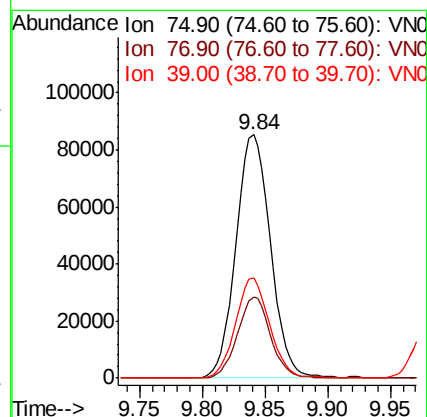
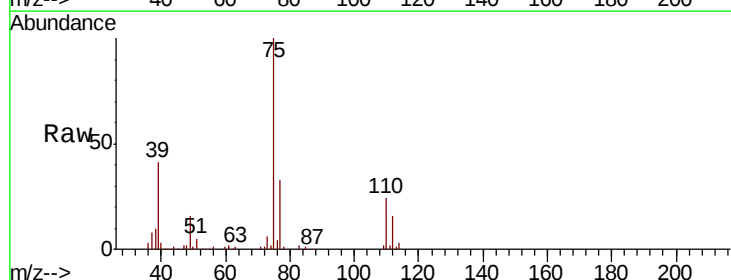
Tgt Ion: 75 Resp: 163949

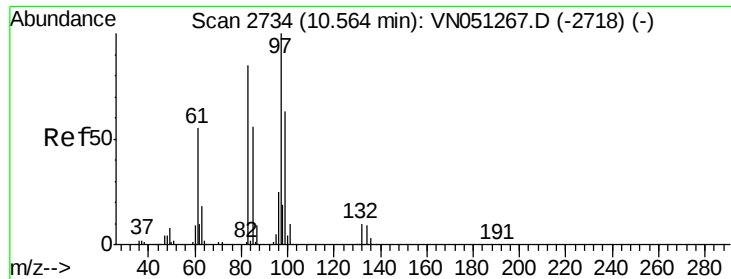
Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8

39 41.1 31.8 47.8

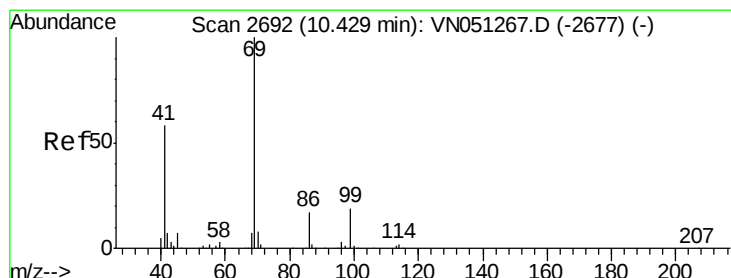
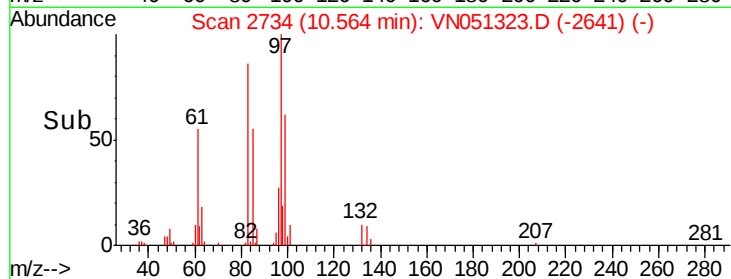
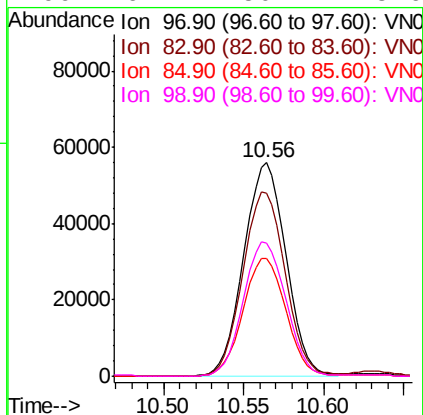
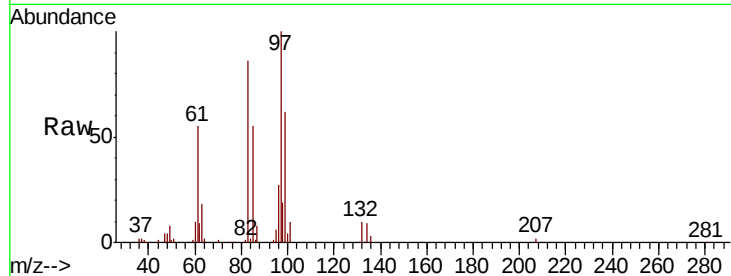




#55
 1,1,2-Trichloroethane
 Concen: 20.52 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

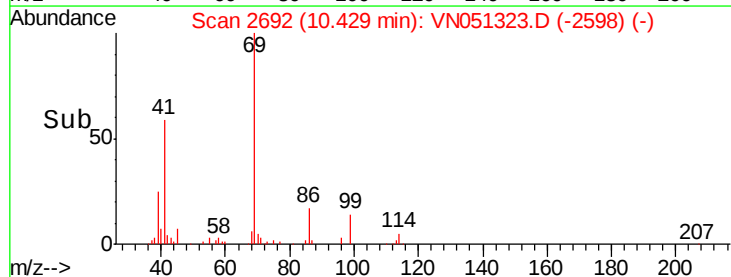
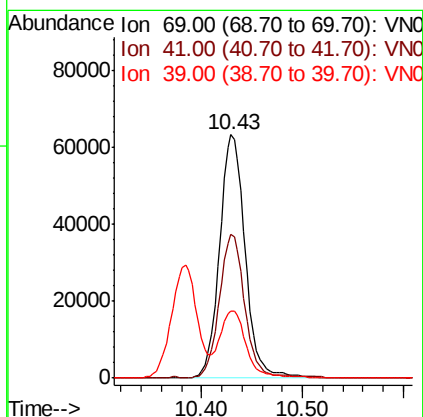
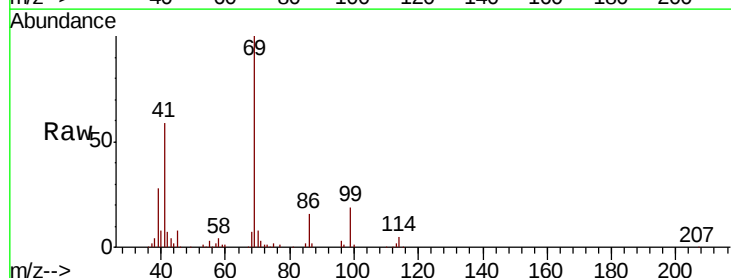
Instrument :
 MSVOA_N
 ClientSampleId :

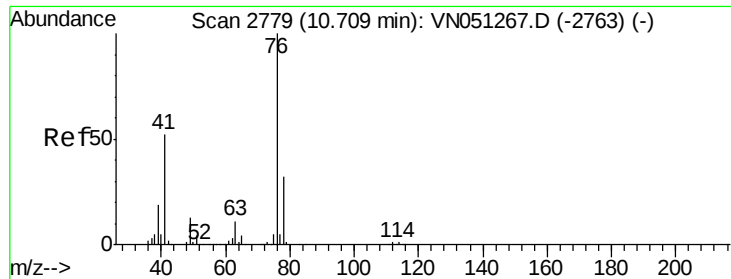
Tot Ion:	97	Resp:	101335
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.7	101.5
85	54.9	44.5	66.7
99	62.2	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.18 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion:	69	Resp:	112186
Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.4	71.0
39	28.1	23.7	35.5

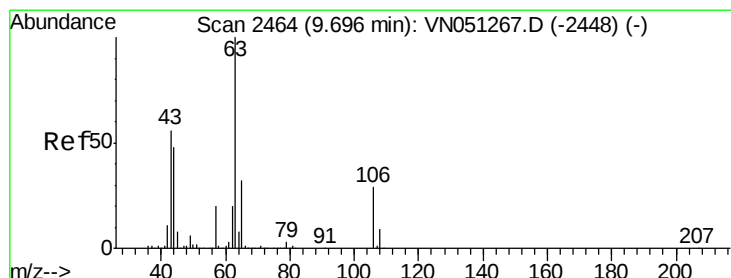
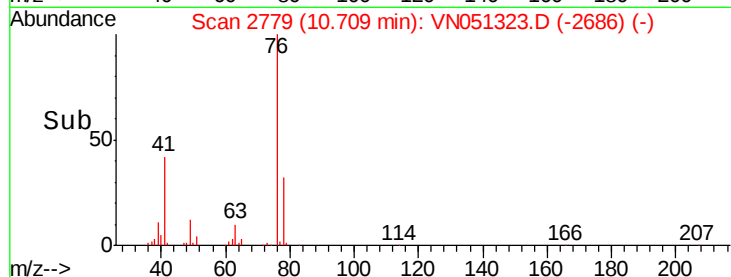
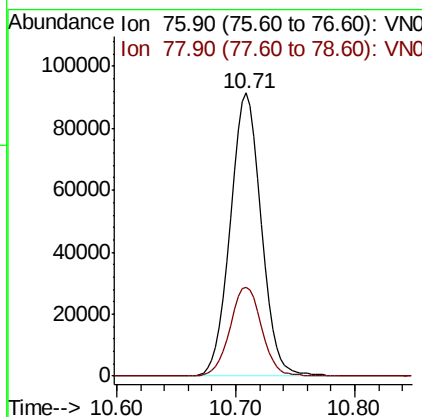
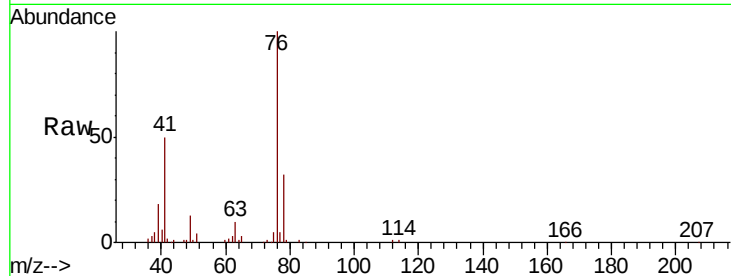




#57
 1,3-Dichloropropane
 Concen: 20.49 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

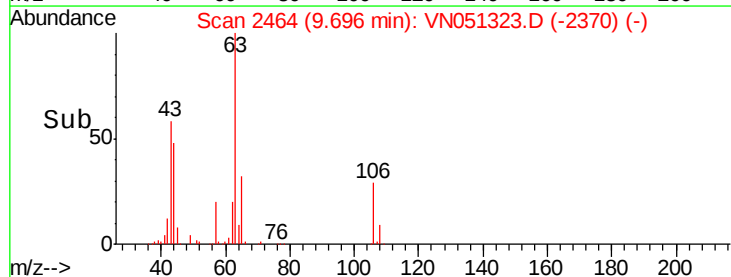
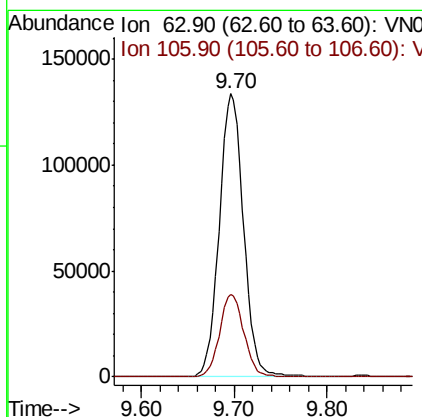
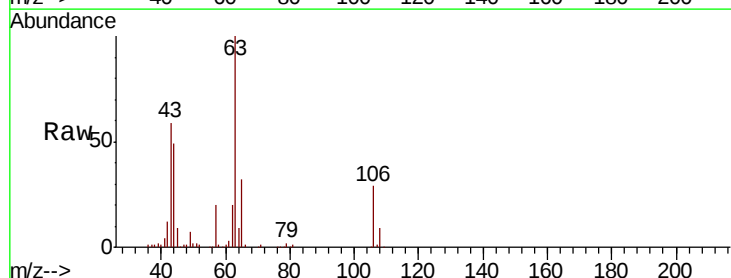
Instrument :
 MSVOA_N
 ClientSampled :

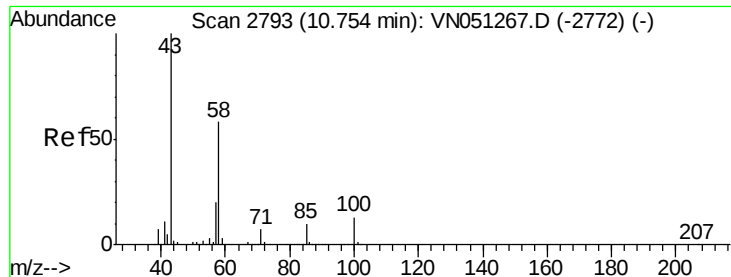
Tot Ion: 76 Resp: 164853
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.32 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 63 Resp: 242314
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.4 35.2

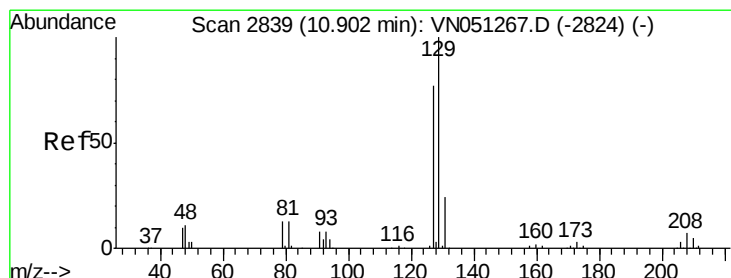
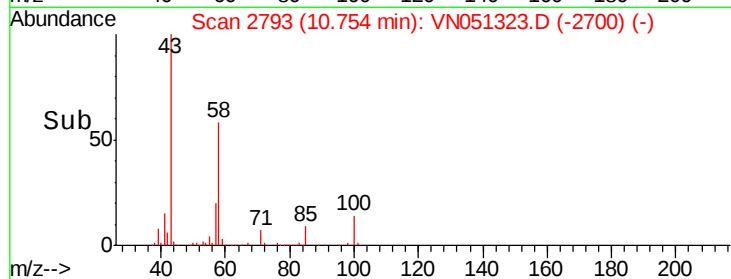
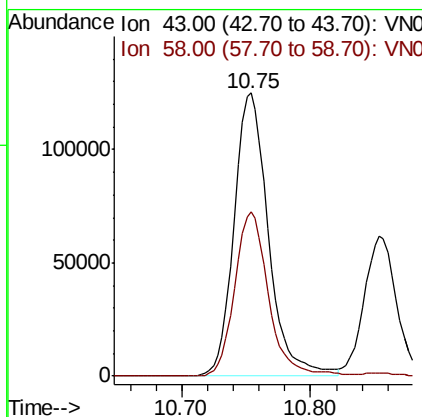
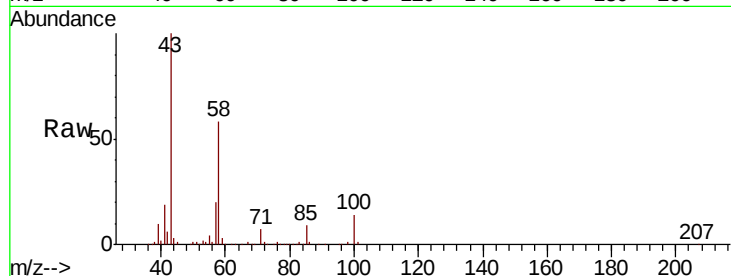




#59
2-Hexanone
Concen: 98.48 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

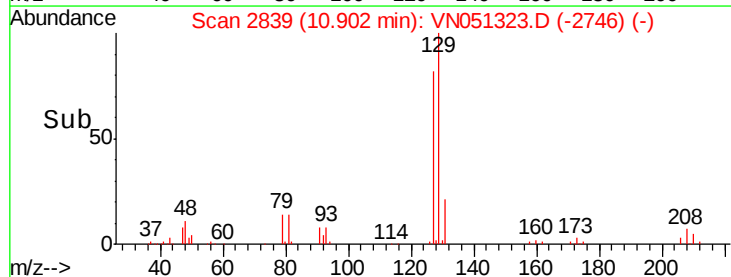
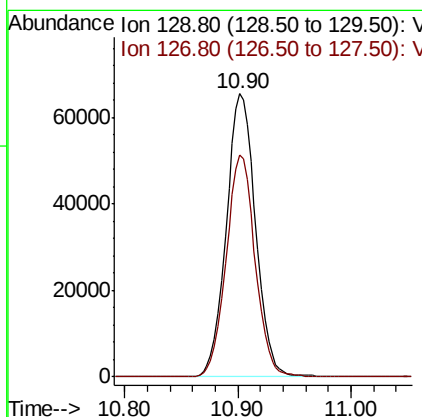
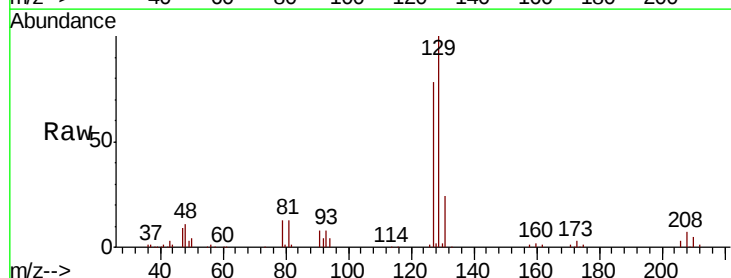
Instrument :
MSVOA_N
ClientSampled :

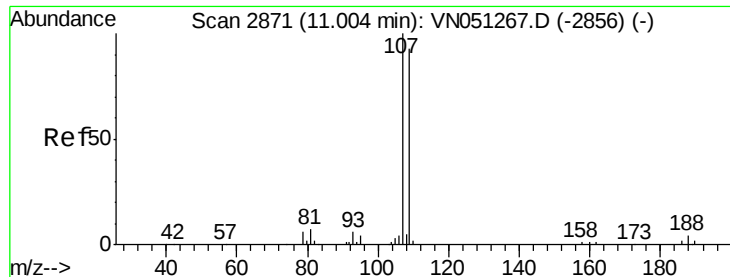
Tot Ion: 43 Resp: 230763
Ion Ratio Lower Upper
43 100
58 57.4 28.9 86.8



#60
Dibromochloromethane
Concen: 20.26 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 129 Resp: 117714
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.31 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

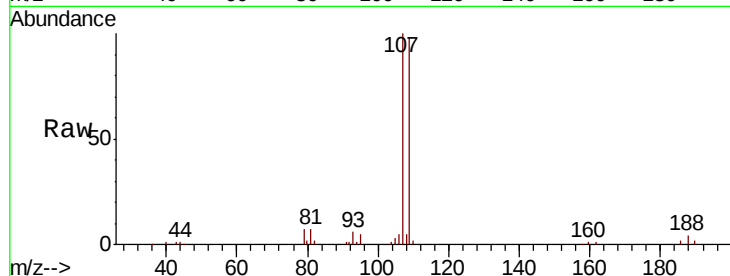
ClientSampled :

Tot Ion:107 Resp: 96413

Ion Ratio Lower Upper

107 100

109 96.9 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

10000

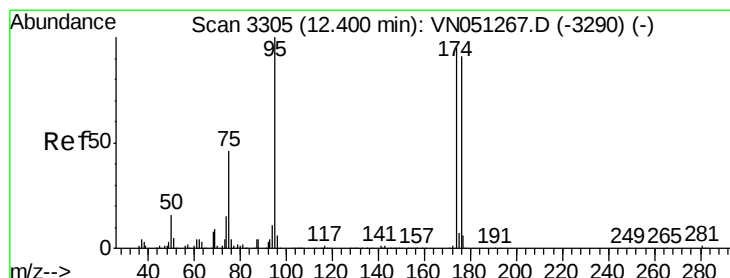
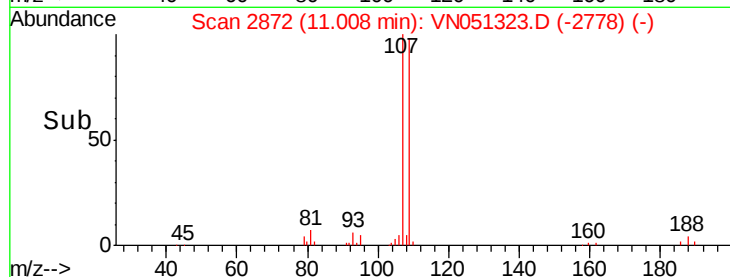
0

11.01

11.00

11.00

Time-->



#62

4-Bromofluorobenzene

Concen: 47.61 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

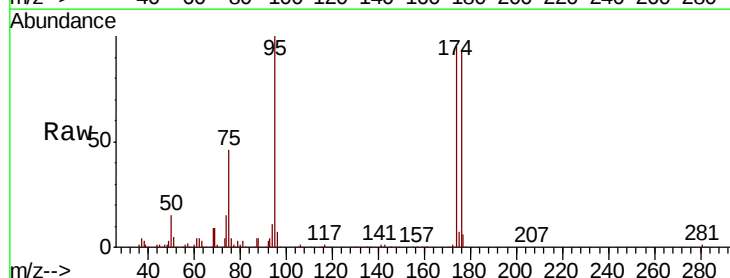
Tgt Ion: 95 Resp: 311584

Ion Ratio Lower Upper

95 100

174 96.1 0.0 189.6

176 93.5 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

50000

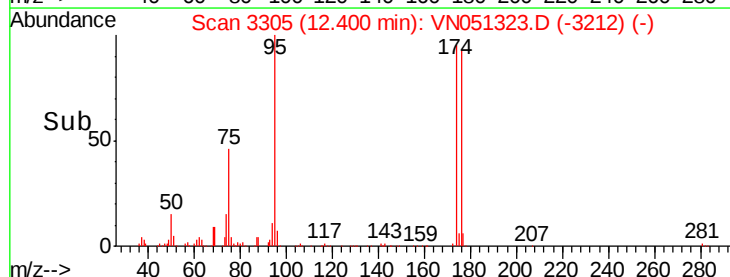
0

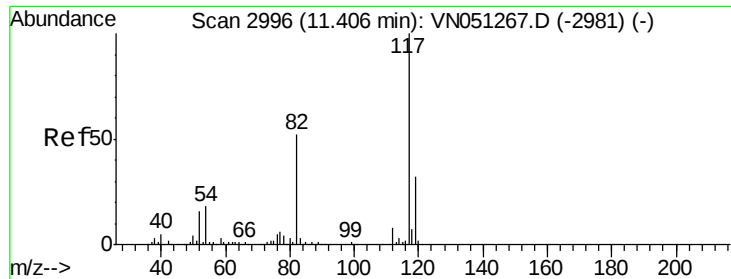
12.40

12.35

12.45

Time-->

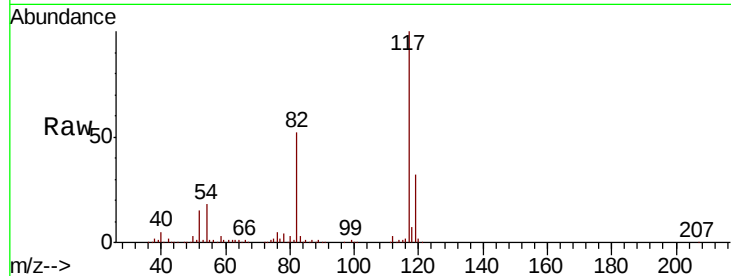




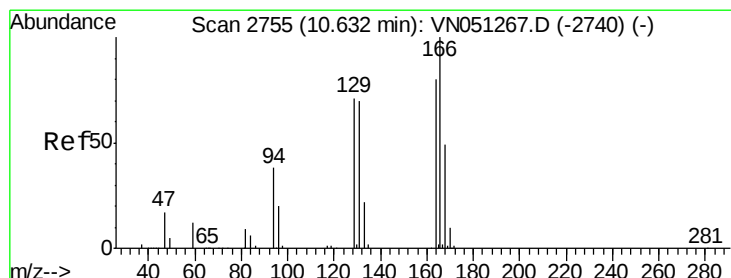
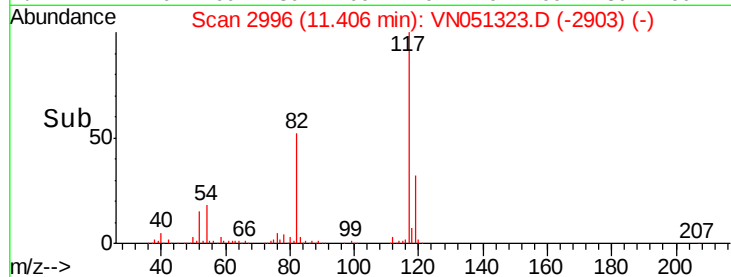
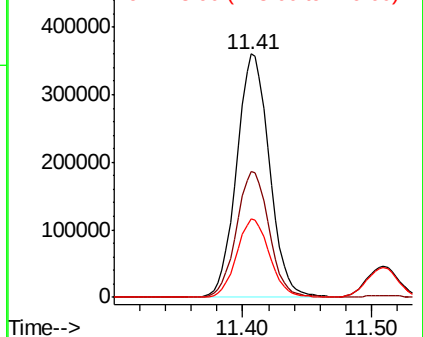
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 637115
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.1 25.6 38.4

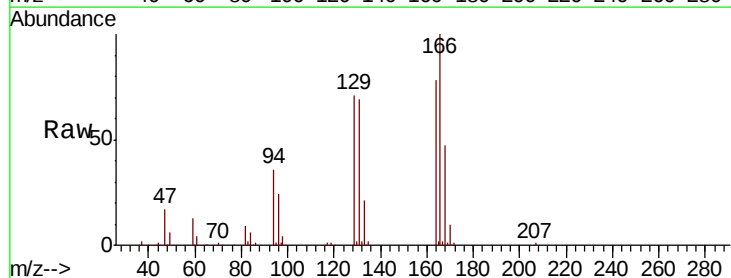


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

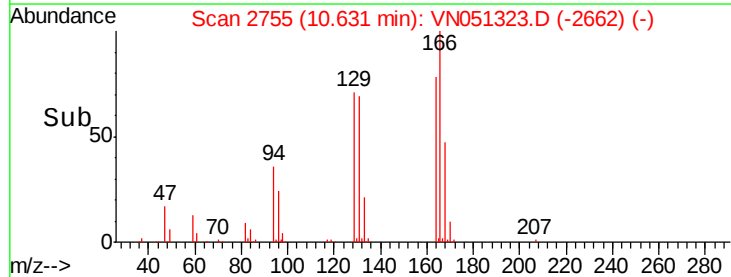
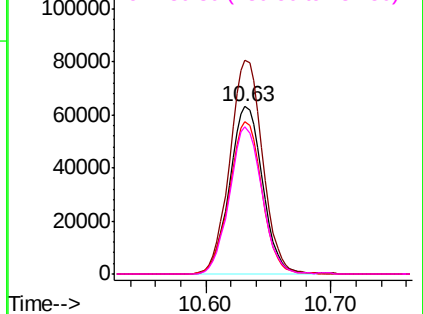


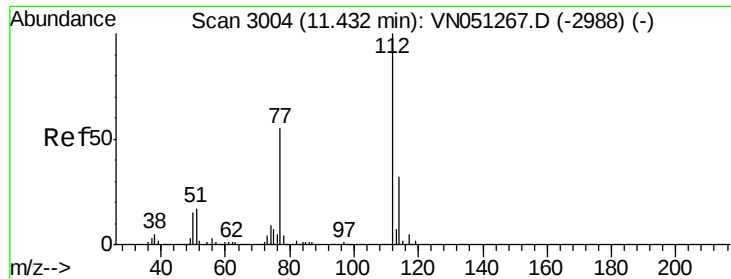
#64
Tetrachloroethene
Concen: 19.07 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion:164 Resp: 115346
Ion Ratio Lower Upper
164 100
166 127.5 100.0 150.0
129 90.7 70.8 106.2
131 87.6 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

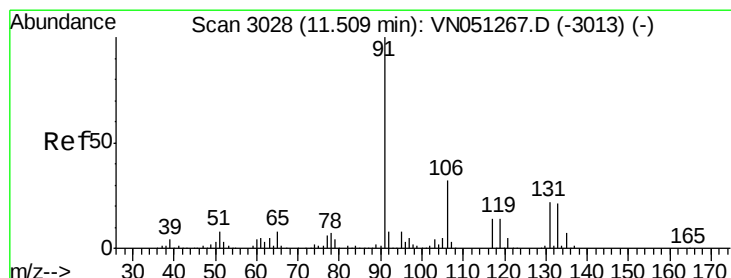
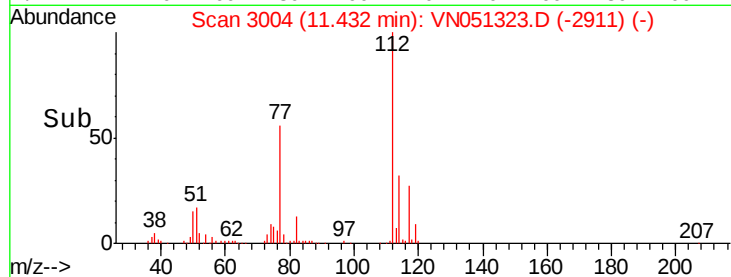
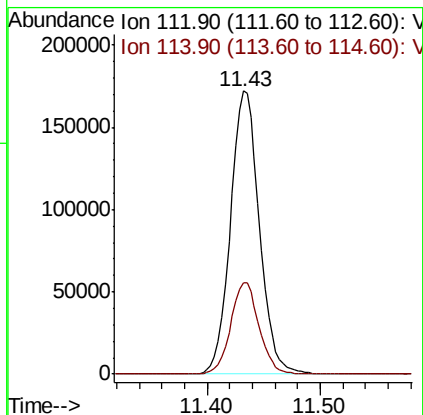
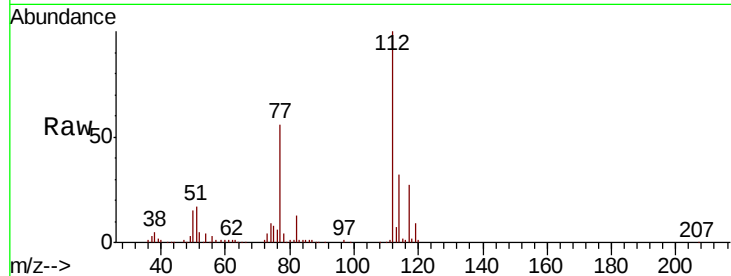




#65
Chlorobenzene
Concen: 19.37 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

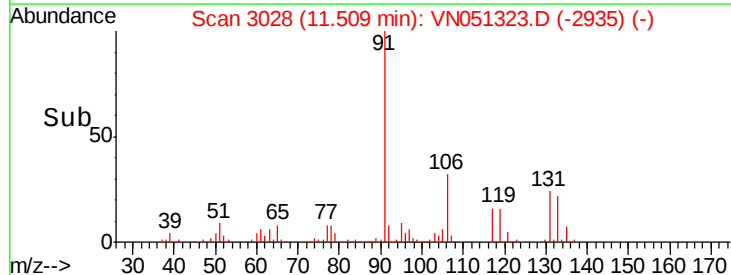
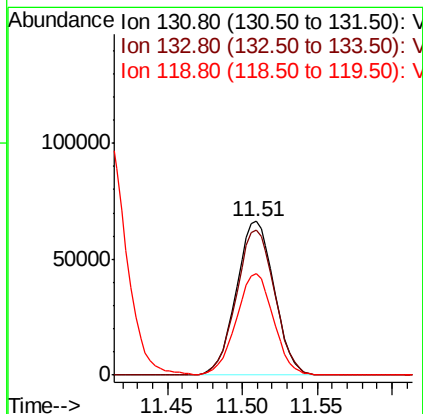
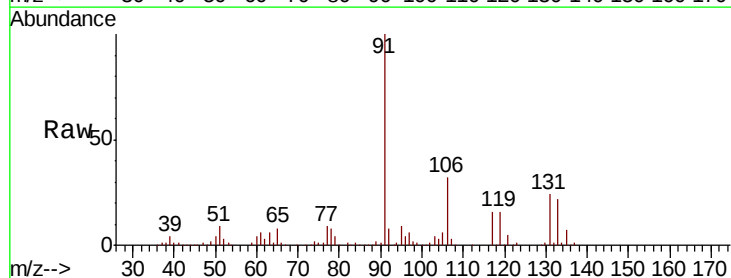
Instrument :
MSVOA_N
ClientSampled :

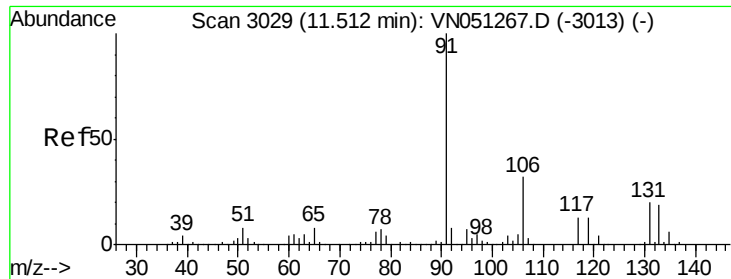
Tot Ion:112 Resp: 305275
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.65 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion:131 Resp: 117263
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.7
119 64.5 32.6 98.0

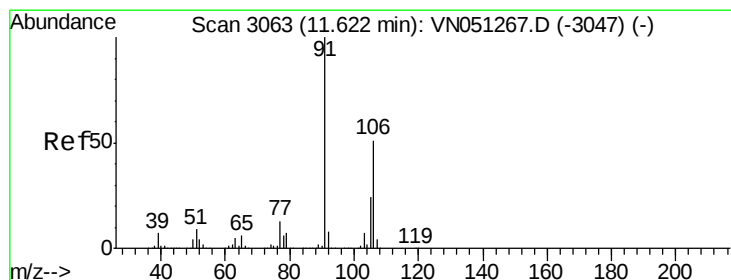
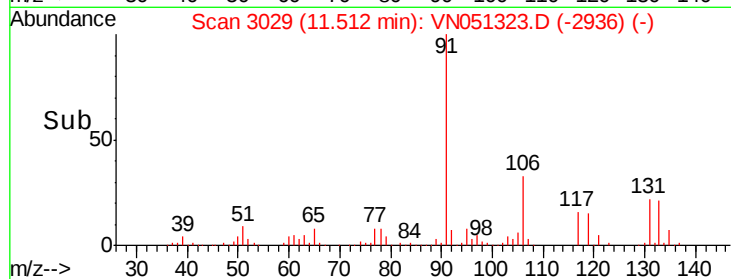
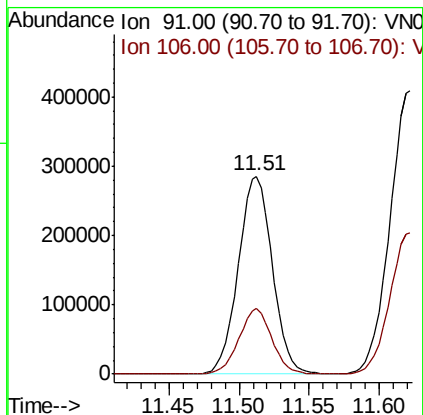
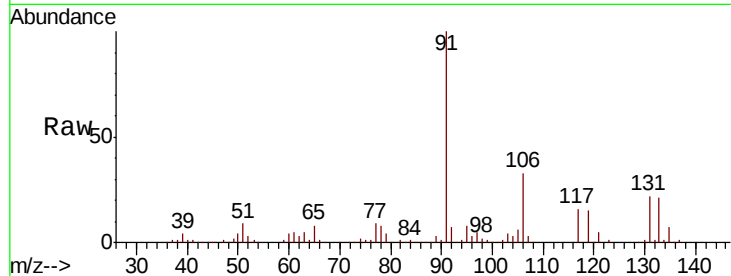




#67
Ethyl Benzene
Concen: 19.28 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

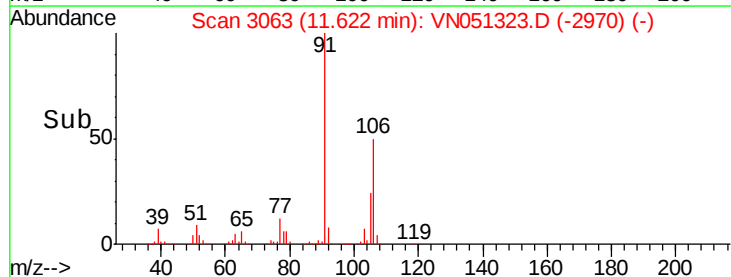
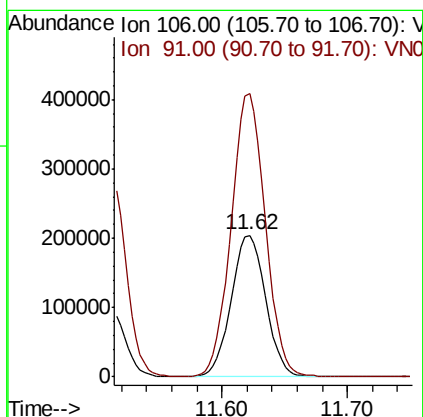
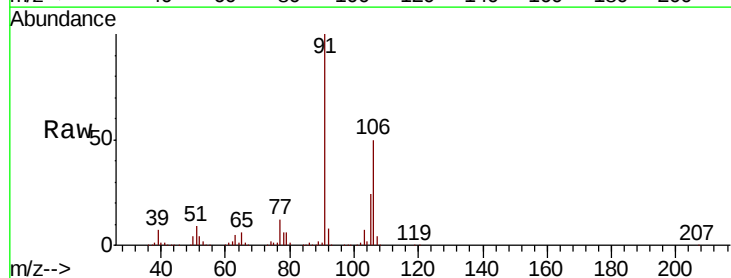
Instrument :
MSVOA_N
ClientSampled :

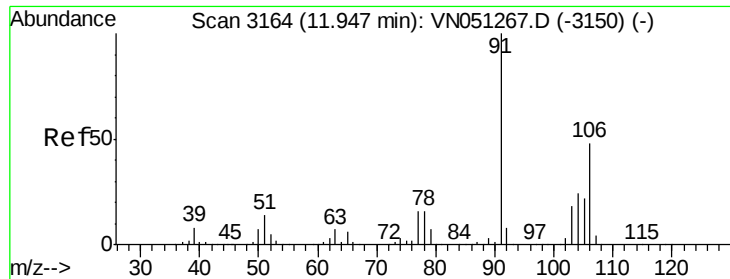
Tot Ion: 91 Resp: 484296
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5



#68
m/p-Xylenes
Concen: 39.94 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 106 Resp: 389627
Ion Ratio Lower Upper
106 100
91 197.7 158.6 238.0

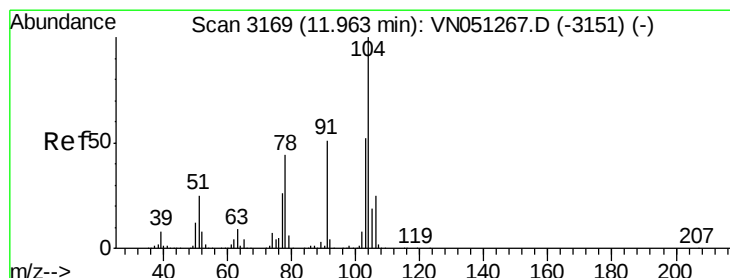
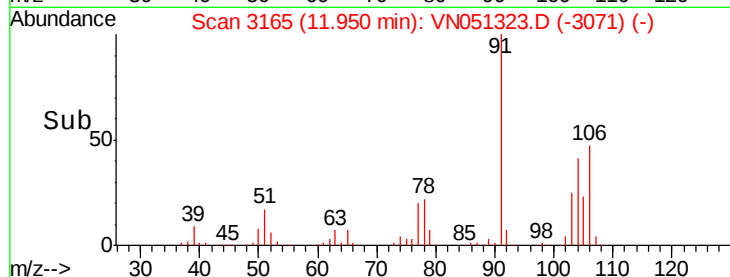
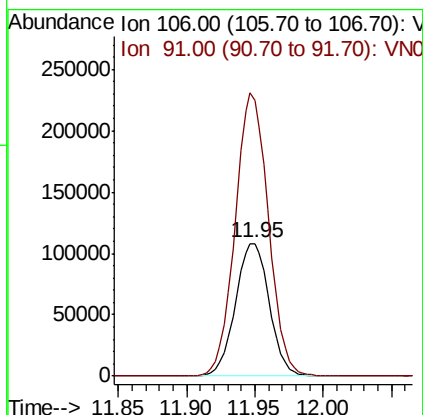
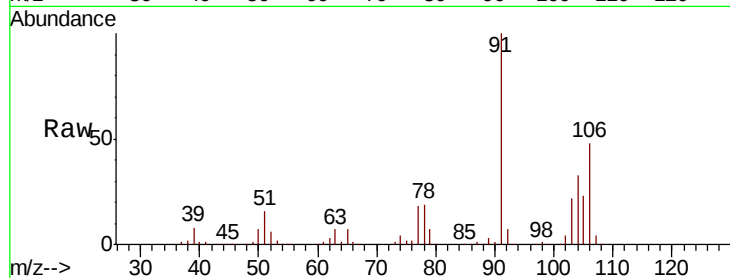




#69
o-Xylene
Concen: 20.00 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

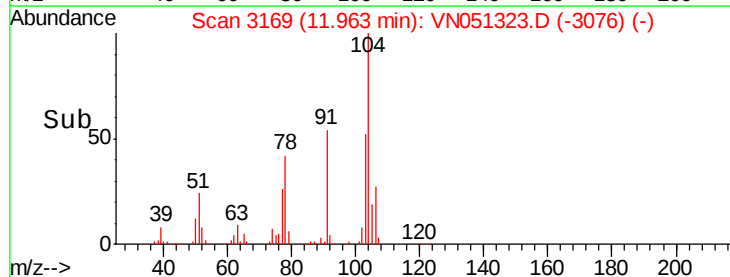
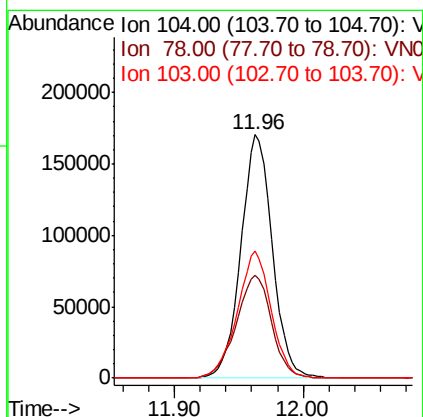
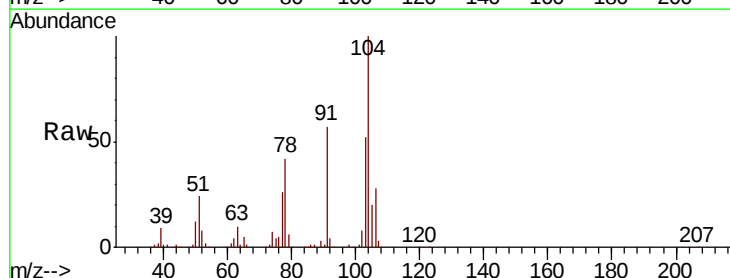
Instrument :
MSVOA_N
ClientSampled :

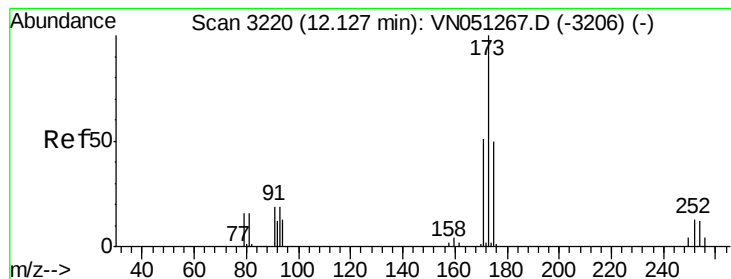
Tot Ion:106 Resp: 185957
Ion Ratio Lower Upper
106 100
91 209.7 104.1 312.3



#70
Styrene
Concen: 18.41 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion:104 Resp: 289526
Ion Ratio Lower Upper
104 100
78 47.6 38.1 57.1
103 56.1 44.8 67.2





#71

Bromoform

Concen: 20.26 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

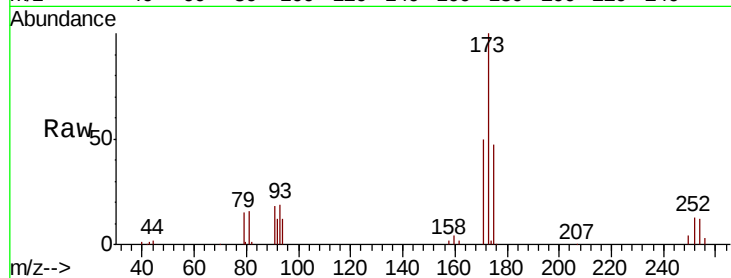
Tot Ion:173 Resp: 80177

Ion Ratio Lower Upper

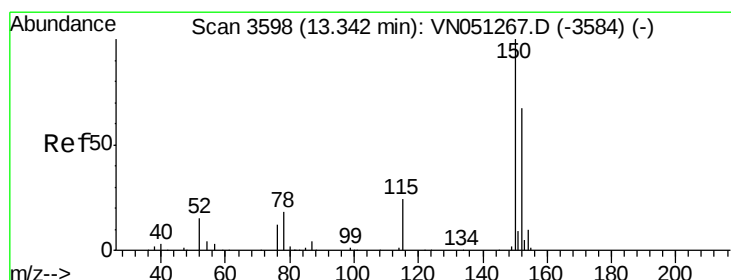
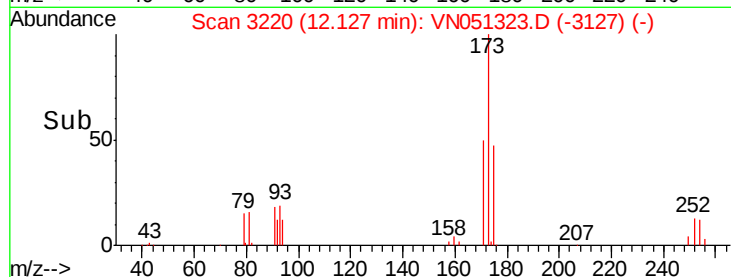
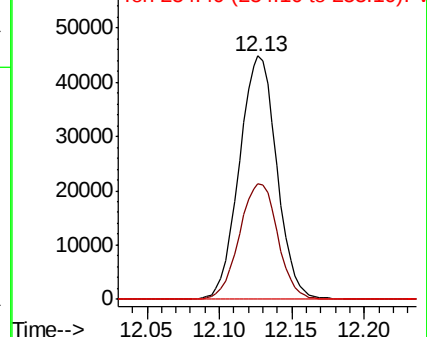
173 100

175 48.6 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: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

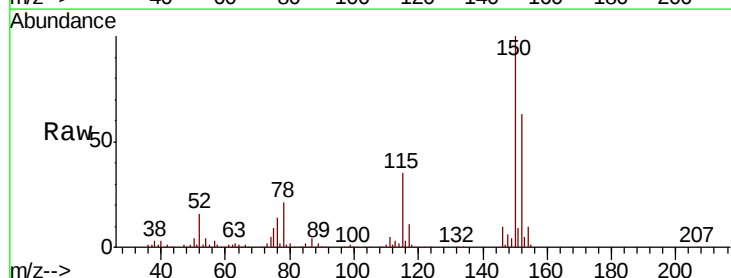
Tgt Ion:152 Resp: 295232

Ion Ratio Lower Upper

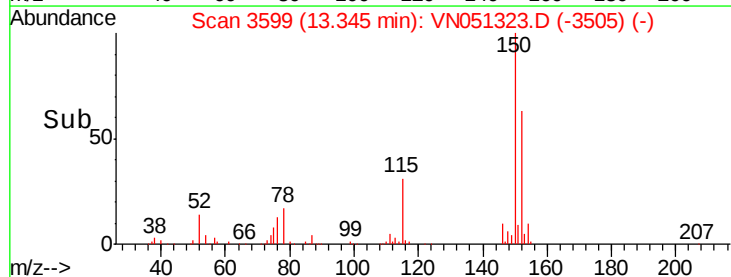
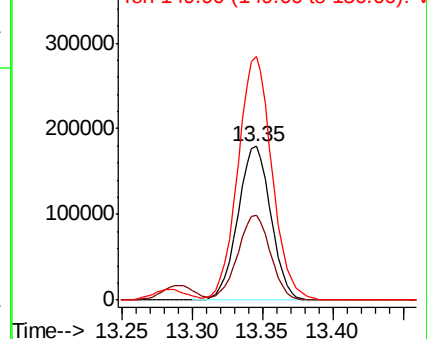
152 100

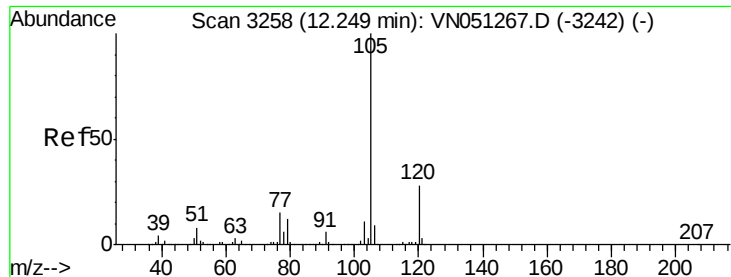
115 54.7 27.1 81.2

150 163.5 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: 19.52 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

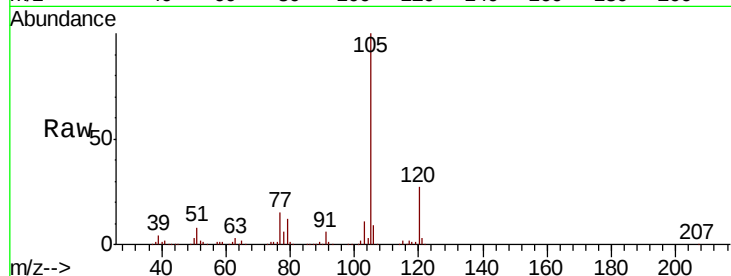
ClientSampled :

Tot Ion:105 Resp: 486125

Ion Ratio Lower Upper

105 100

120 27.4 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

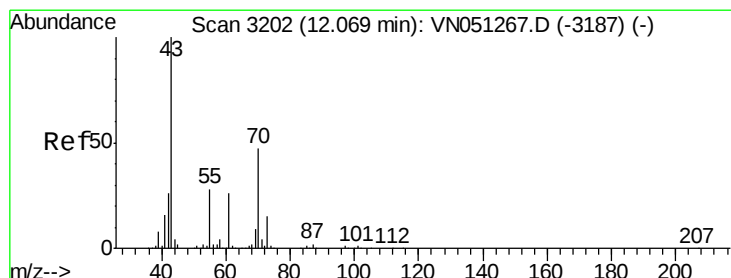
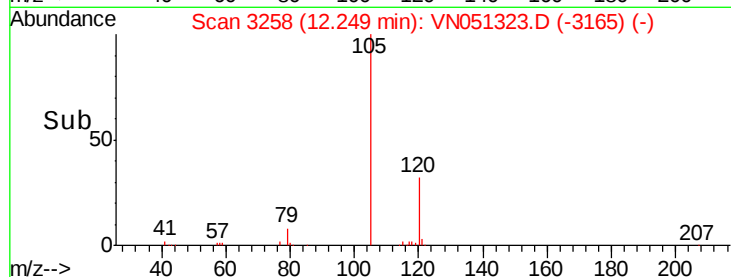
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 18.74 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Tgt Ion: 43 Resp: 95760

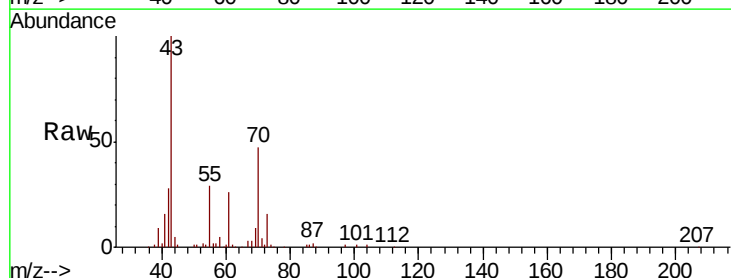
Ion Ratio Lower Upper

43 100

70 47.2 37.8 56.6

55 29.0 22.6 34.0

61 26.7 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

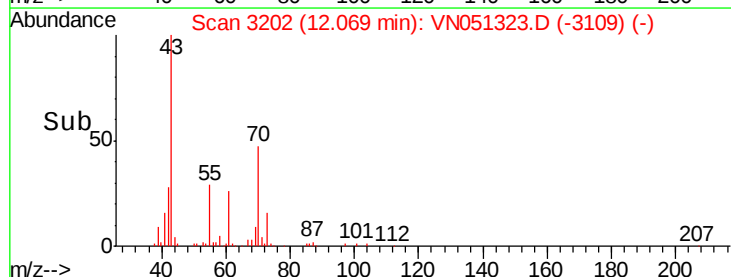
40000

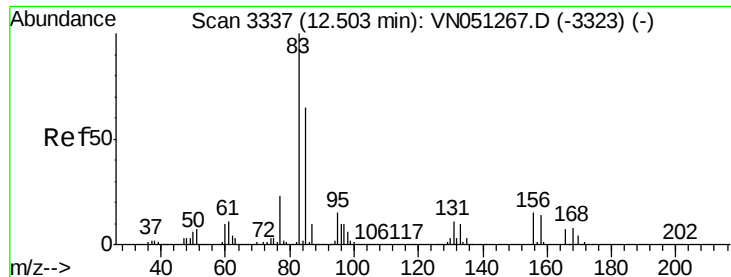
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.47 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

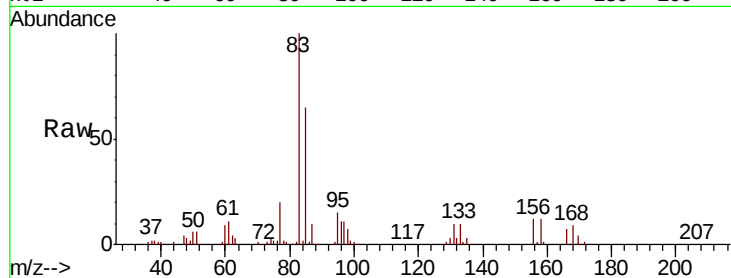
Tot Ion: 83 Resp: 119660

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.7
85	65.6	32.3	96.9

83 100

131 10.9 5.5 16.7

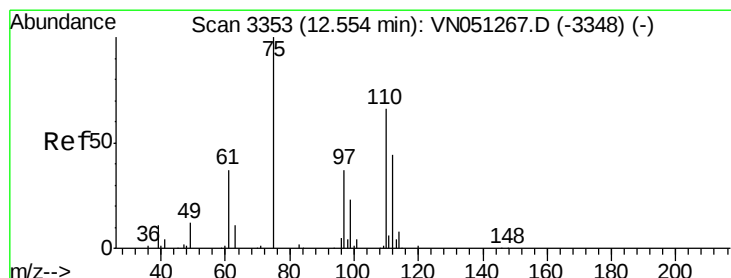
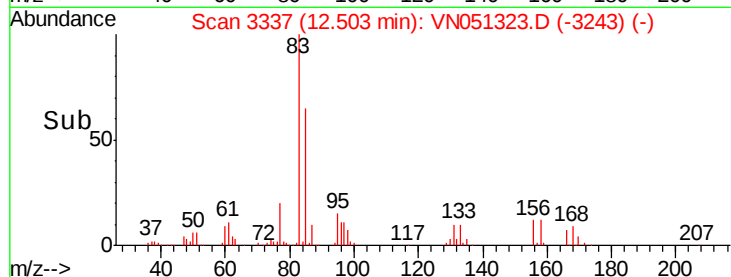
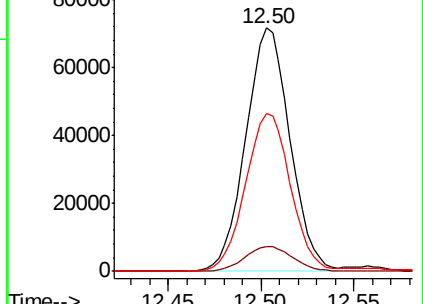
85 65.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.95 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051323.D

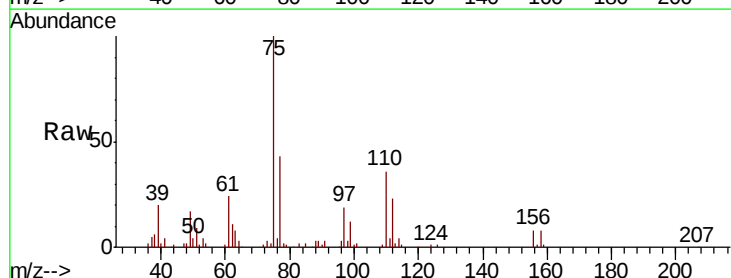
Acq: 19 Sep 2018 16:53

Tgt Ion: 75 Resp: 133011

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

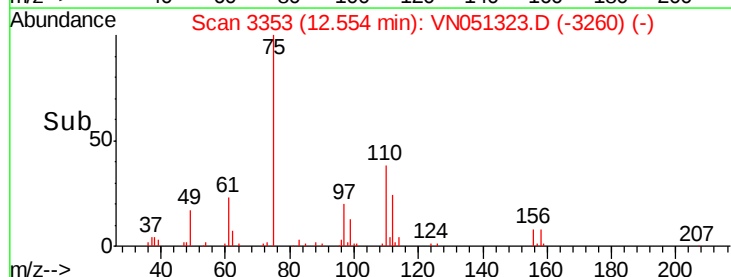
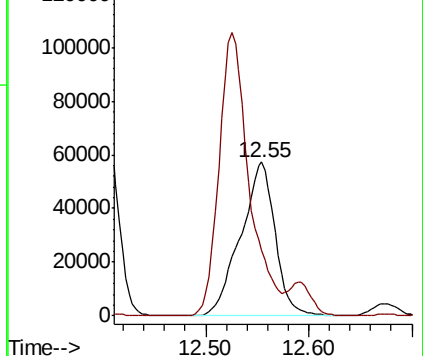
75 100

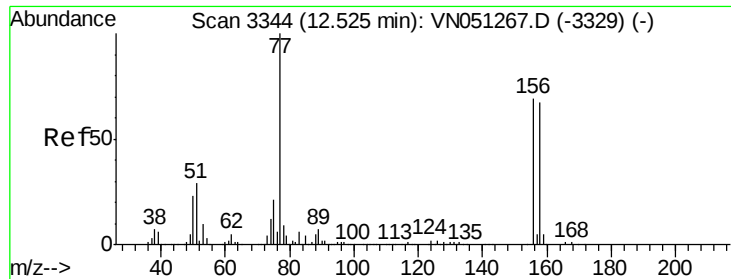
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampled :

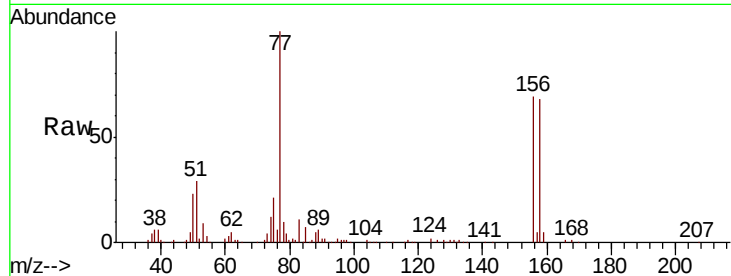
Tot Ion:156 Resp: 127324

Ion Ratio Lower Upper

156 100

77 168.4 83.7 251.1

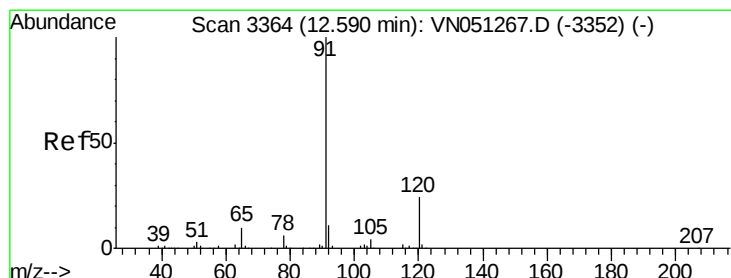
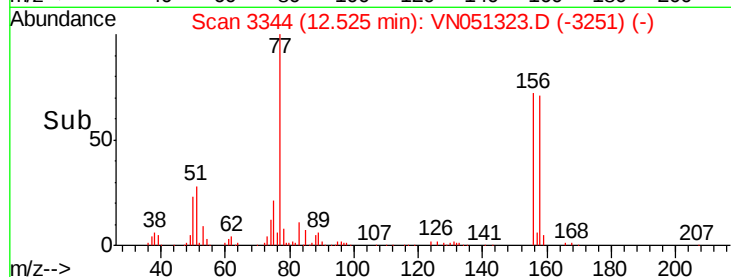
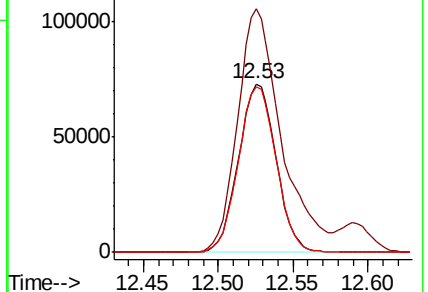
158 99.1 49.0 147.2



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: 19.28 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051323.D

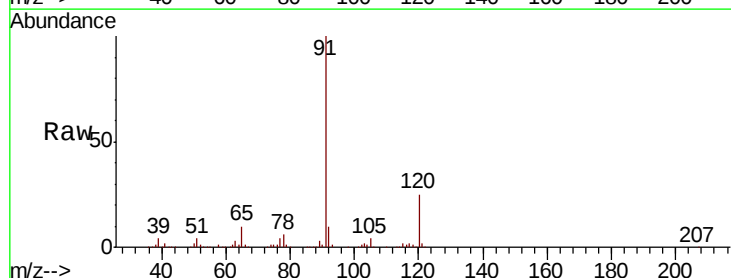
Acq: 19 Sep 2018 16:53

Tgt Ion: 91 Resp: 517675

Ion Ratio Lower Upper

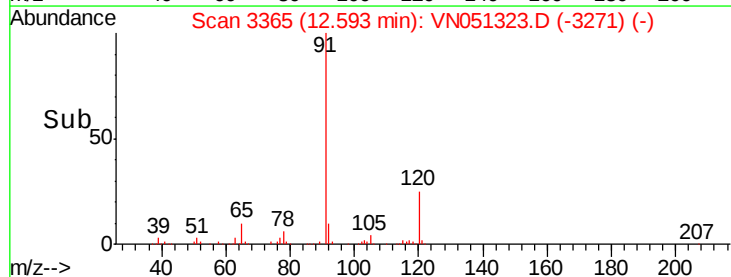
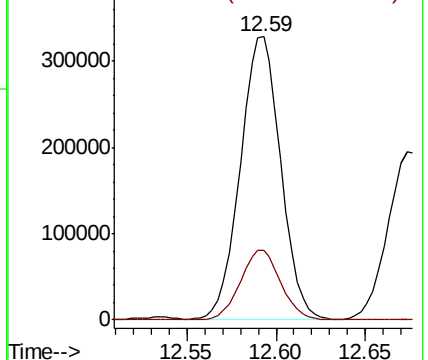
91 100

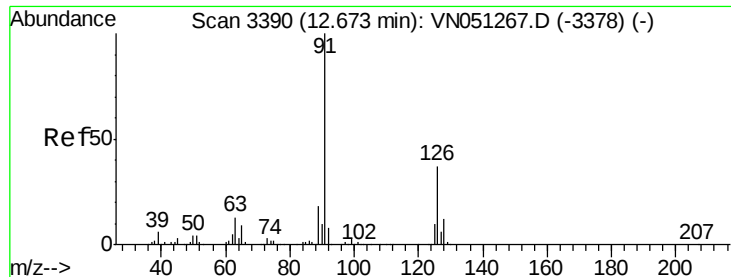
120 24.7 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.09 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

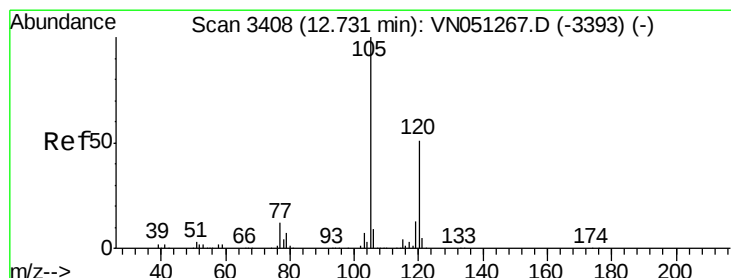
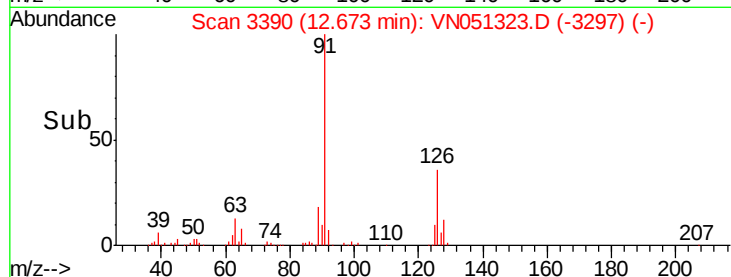
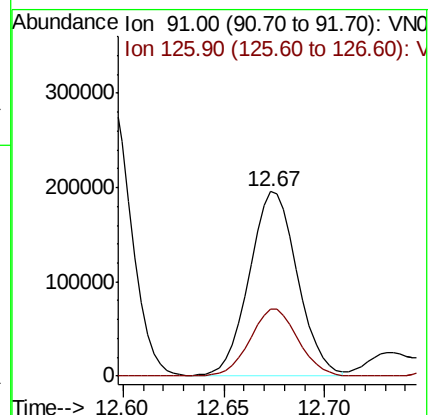
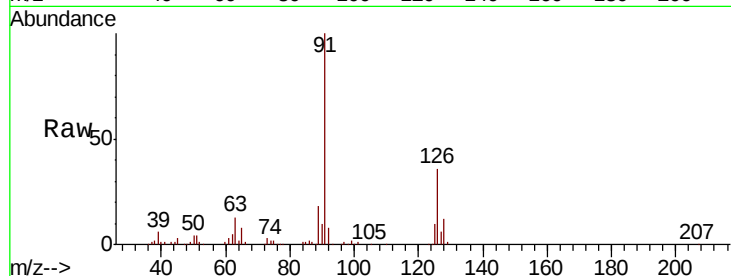
ClientSampled :

Tot Ion: 91 Resp: 325909

Ion Ratio Lower Upper

91 100

126 36.6 18.2 54.6



#80

1,3,5-Trimethylbenzene

Concen: 20.10 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051323.D

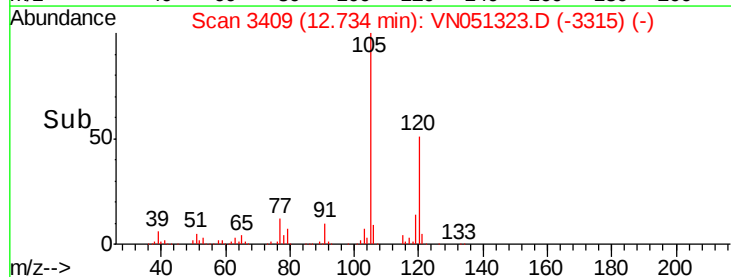
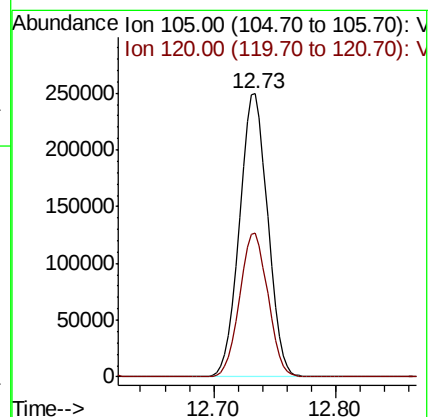
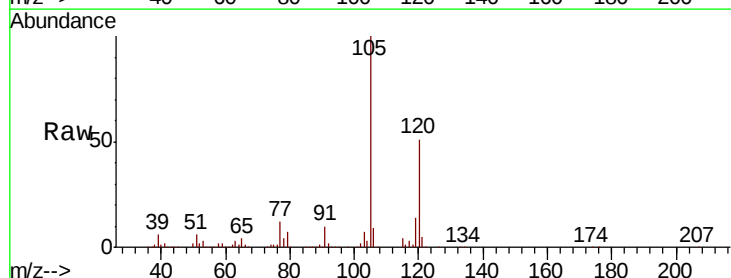
Acq: 19 Sep 2018 16:53

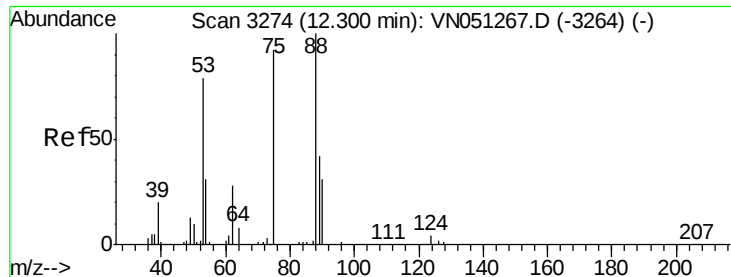
Tgt Ion: 105 Resp: 400042

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.23 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

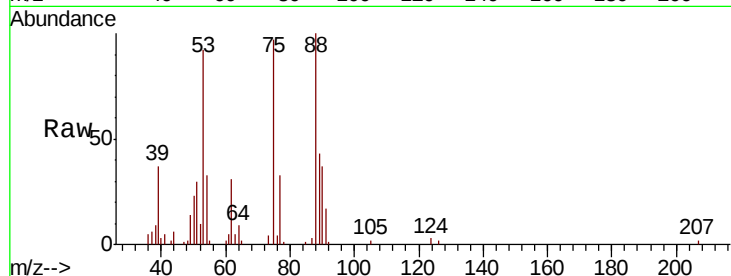
Tot Ion: 75 Resp: 25568

Ion Ratio Lower Upper

75 100

53 90.9 67.7 101.5

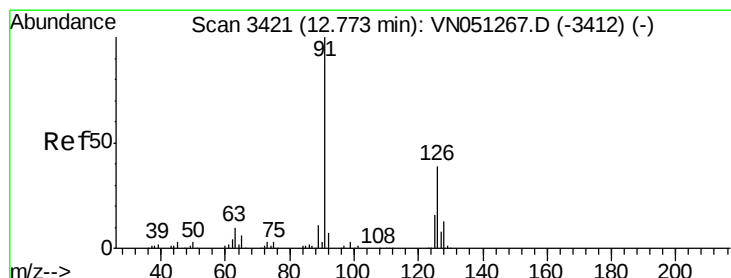
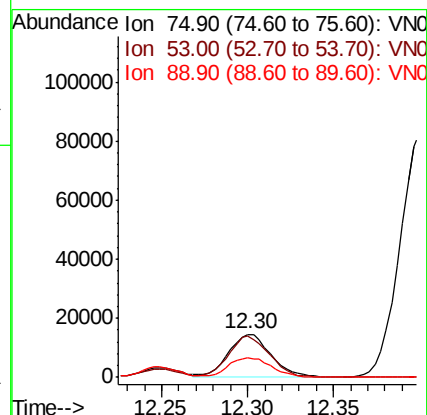
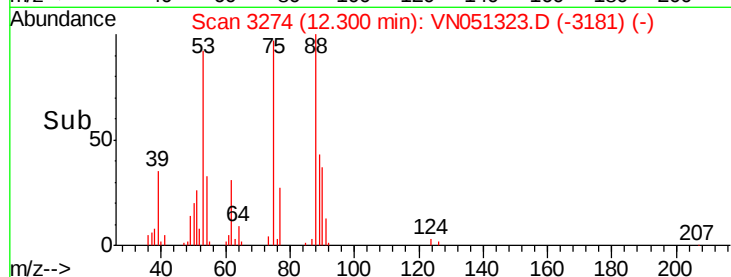
89 45.8 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN051323.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051323.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051323.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.31 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051323.D

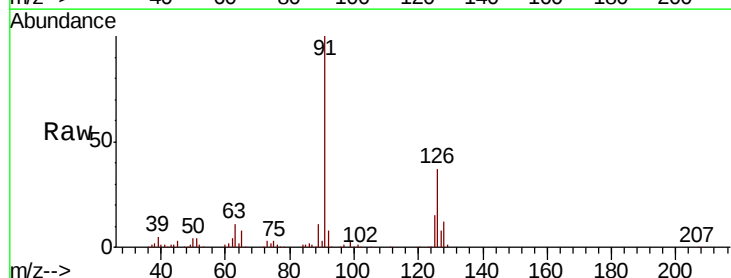
Acq: 19 Sep 2018 16:53

Tgt Ion: 91 Resp: 313572

Ion Ratio Lower Upper

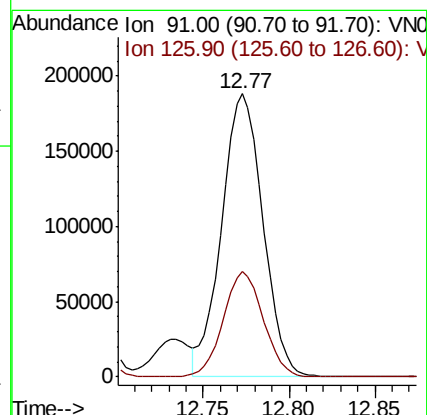
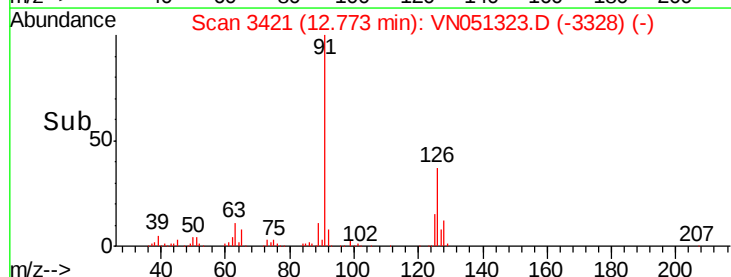
91 100

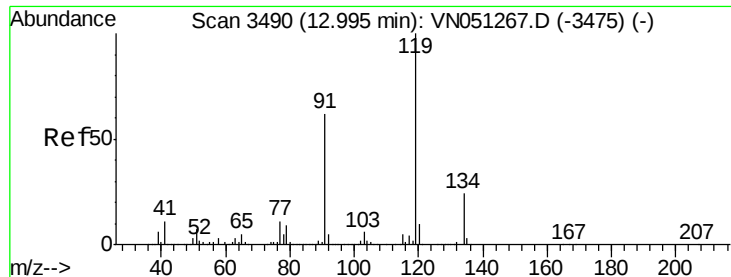
126 36.1 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VN051323.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN051323.D (-3328) (-)

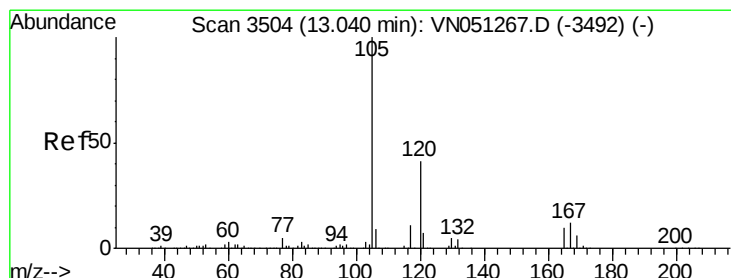
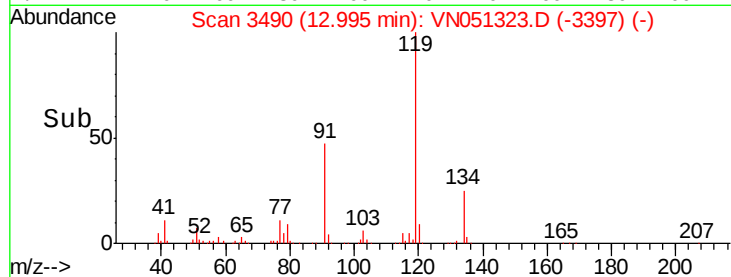
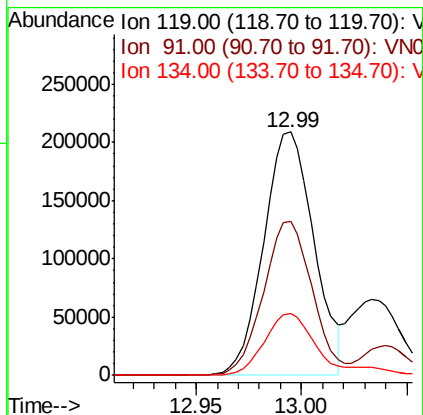
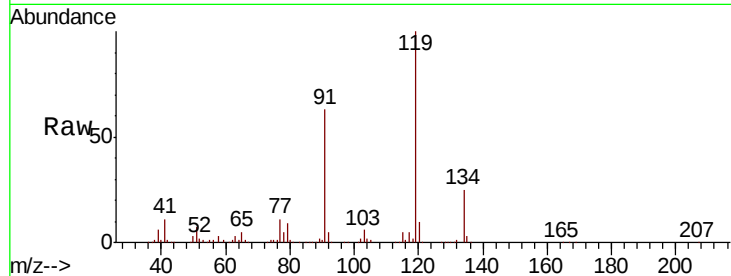




#83
tert-Butylbenzene
Concen: 19.70 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

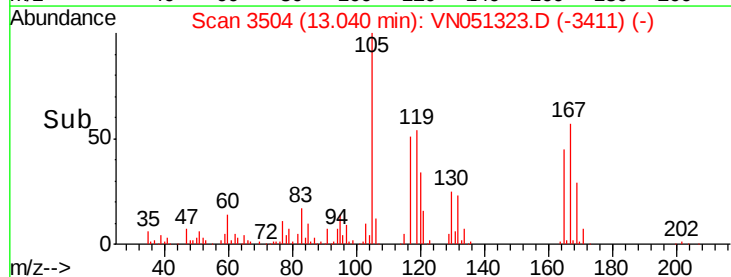
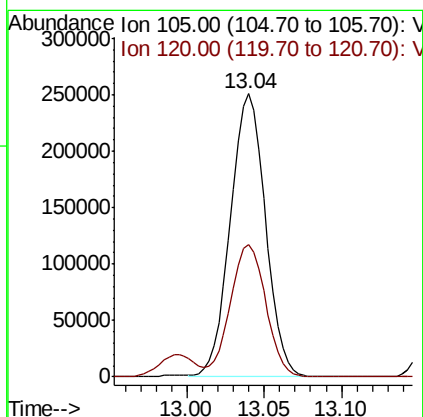
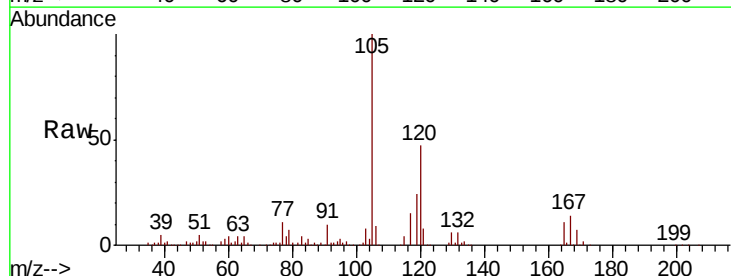
Instrument :
MSVOA_N
ClientSampleId :

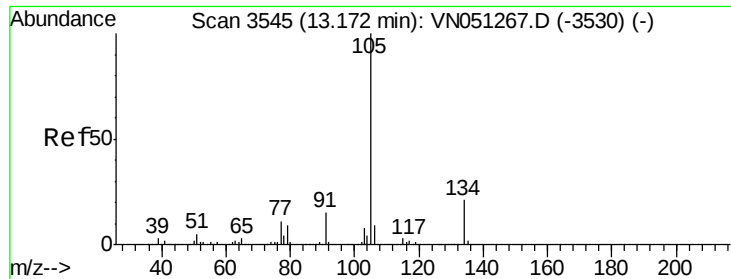
Tot Ion:119 Resp: 346528
Ion Ratio Lower Upper
119 100
91 61.2 30.8 92.4
134 25.3 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 20.38 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion:105 Resp: 394041
Ion Ratio Lower Upper
105 100
120 47.4 23.5 70.6





#85

sec-Butylbenzene

Concen: 19.77 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

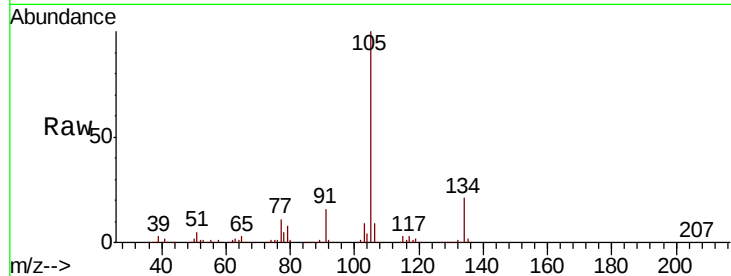
ClientSampleId :

Tot Ion:105 Resp: 441575

Ion Ratio Lower Upper

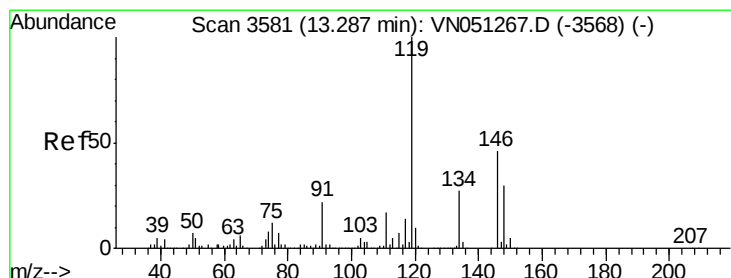
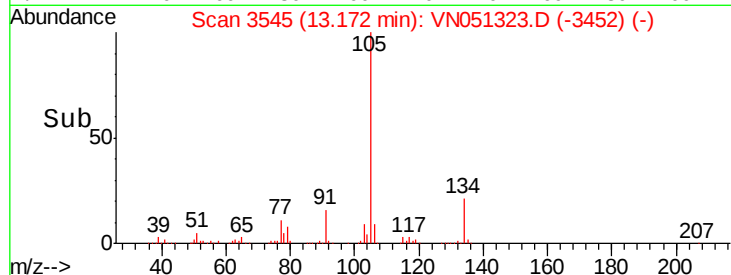
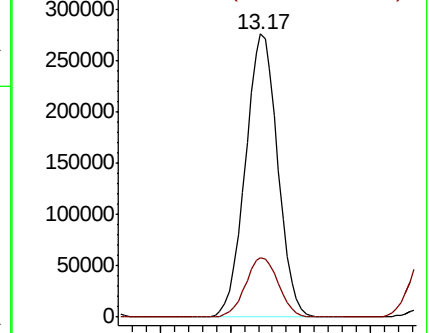
105 100

134 21.3 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

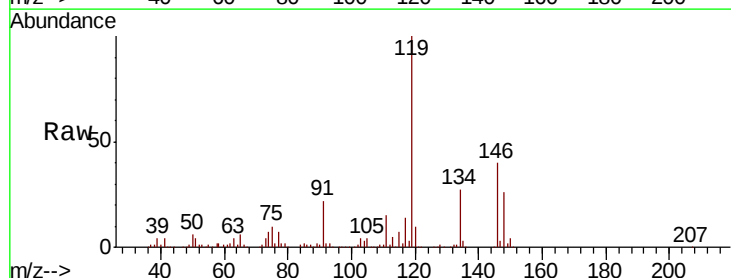
Tgt Ion:119 Resp: 379907

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

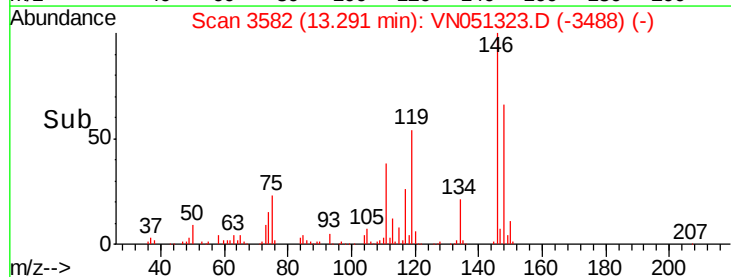
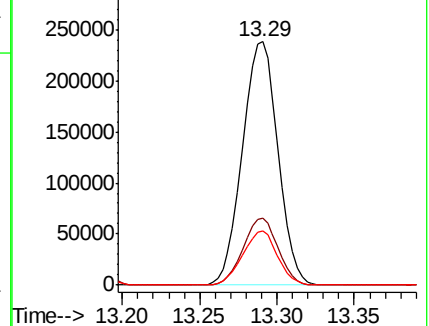
91 21.7 11.1 33.1

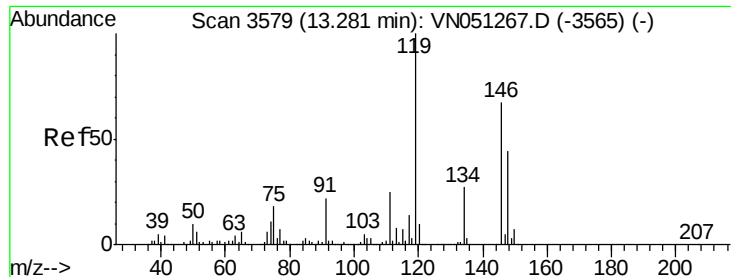


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

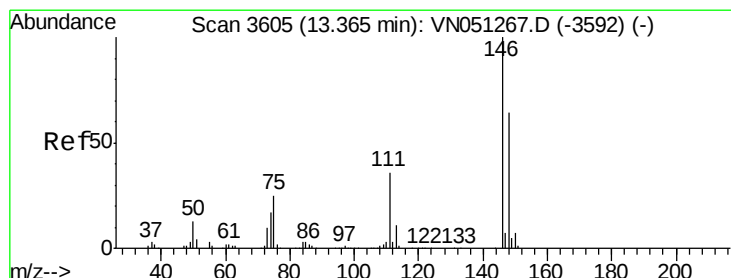
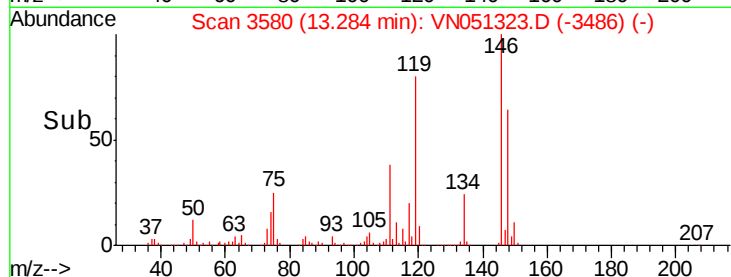
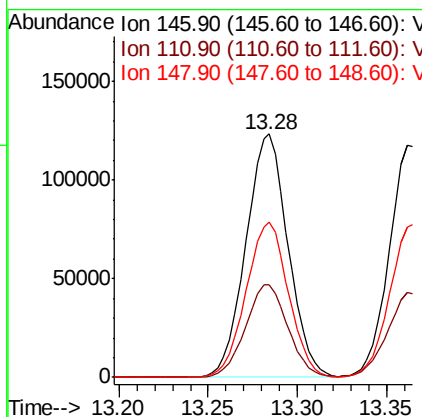
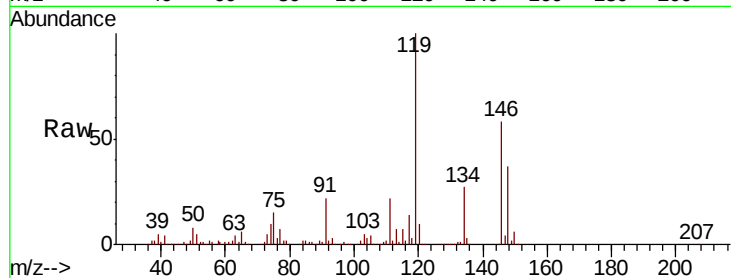




#87
 1,3-Dichlorobenzene
 Concen: 18.49 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

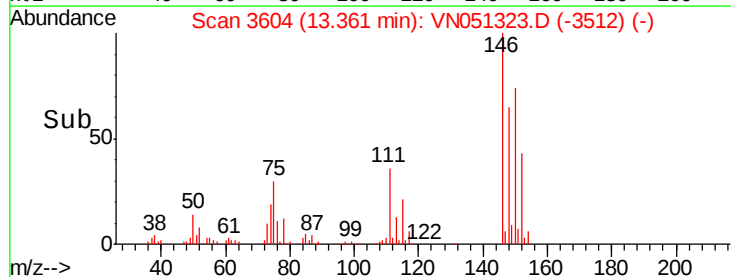
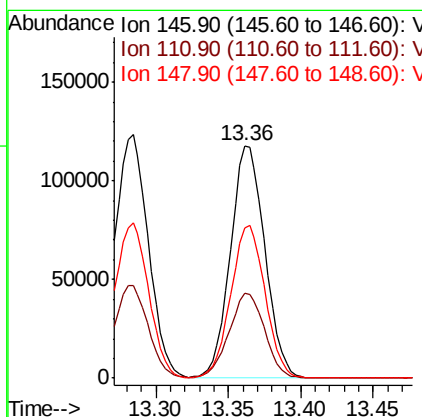
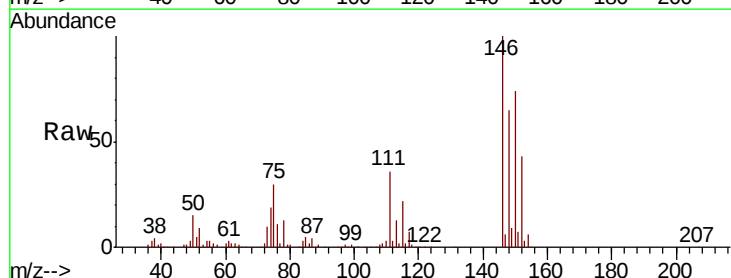
Instrument :
 MSVOA_N
 ClientSampleId :

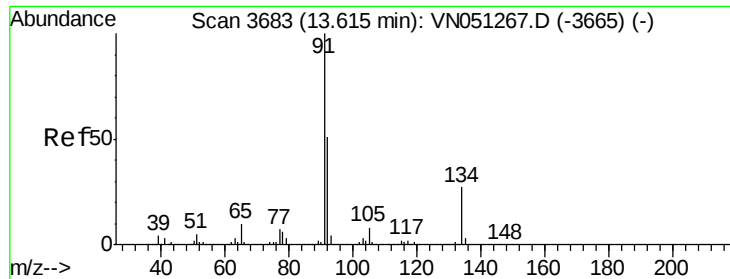
Tot Ion:146 Resp: 203336
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.7 56.1
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.89 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion:146 Resp: 194114
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.2 54.6
 148 65.6 31.9 95.7





#89

n-Butylbenzene

Concen: 17.66 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

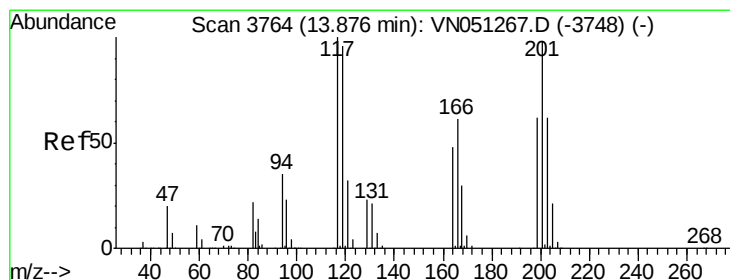
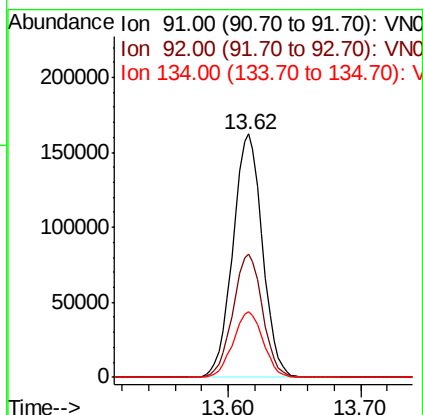
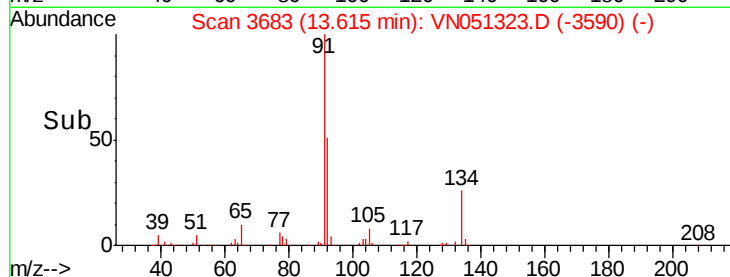
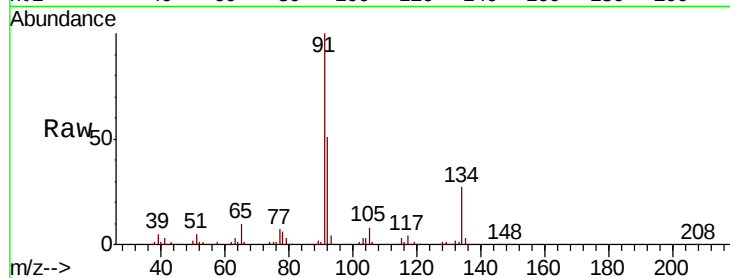
Tot Ion: 91 Resp: 250801

Ion Ratio Lower Upper

91 100

92 50.6 25.8 77.4

134 27.3 13.7 41.0



#90

Hexachloroethane

Concen: 19.47 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051323.D

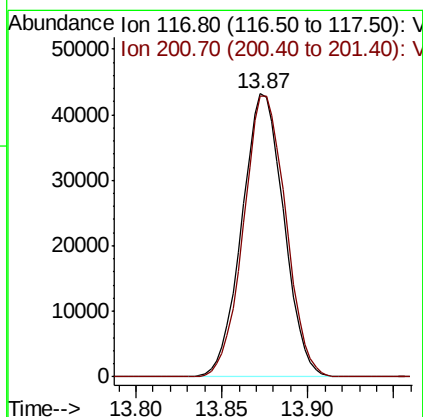
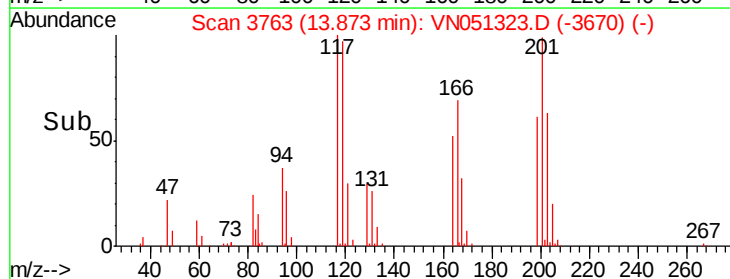
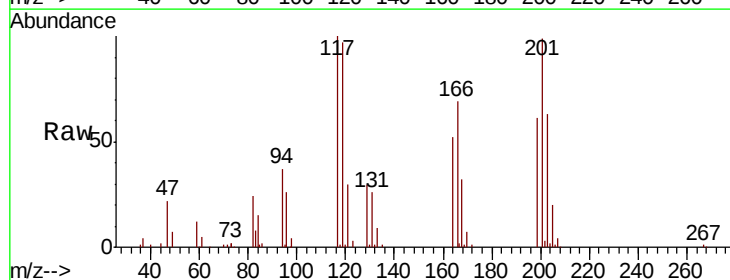
Acq: 19 Sep 2018 16:53

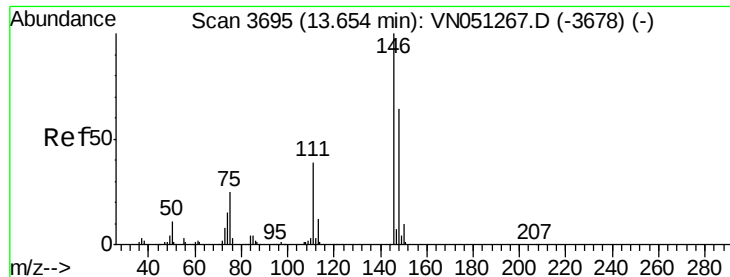
Tgt Ion: 117 Resp: 73042

Ion Ratio Lower Upper

117 100

201 99.8 48.4 145.3

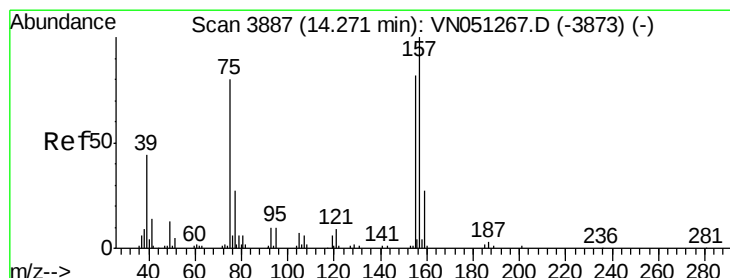
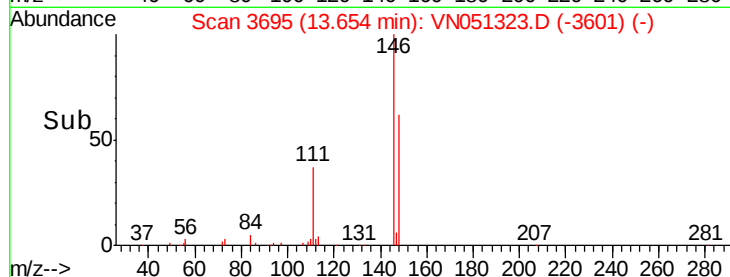
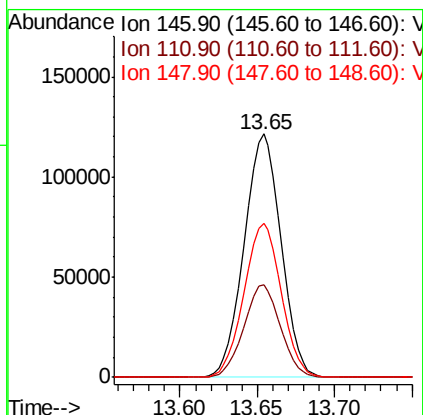
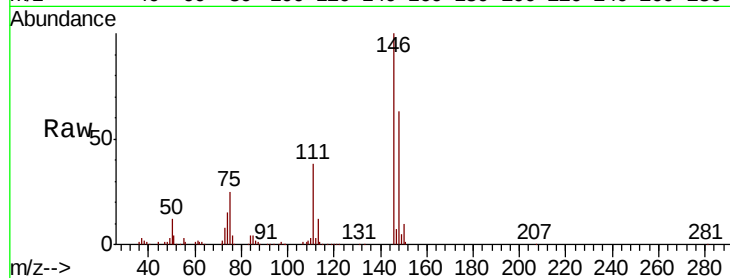




#91
 1,2-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

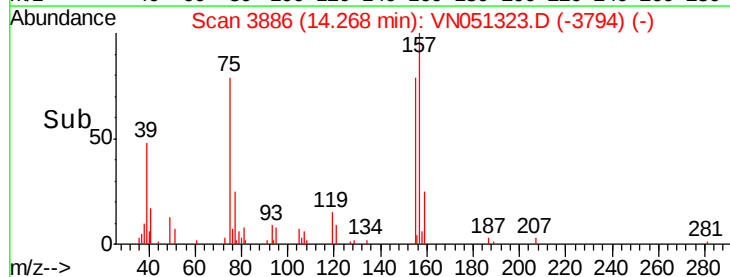
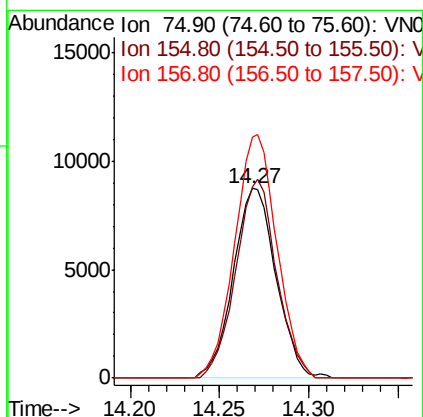
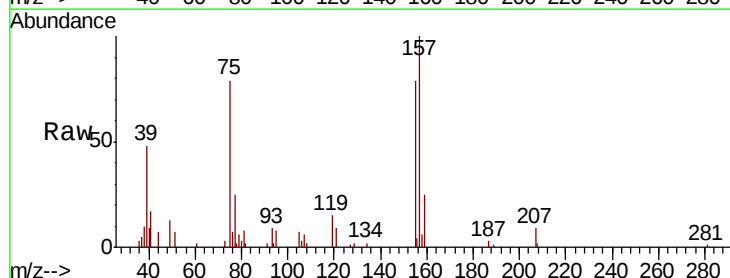
Instrument :
 MSVOA_N
 ClientSampleId :

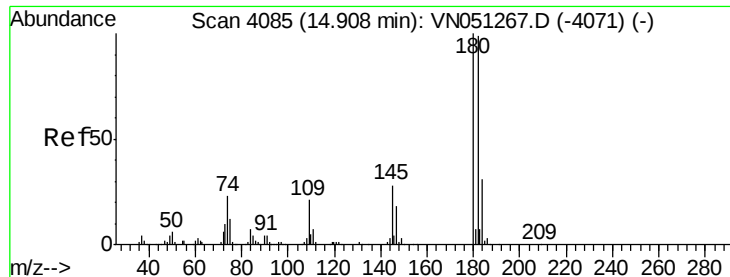
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.6	58.7
148	63.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.30 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	50.2	150.7
157	126.5	62.9	188.7

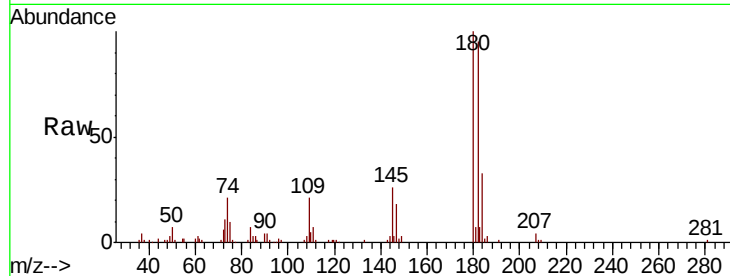




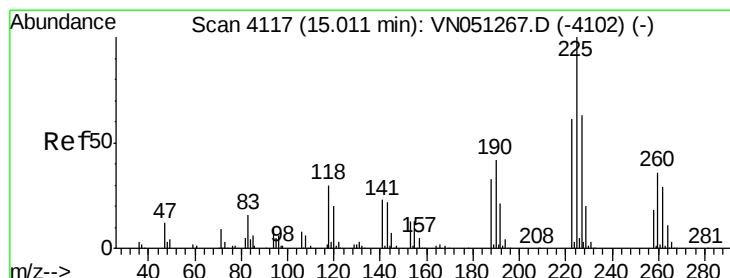
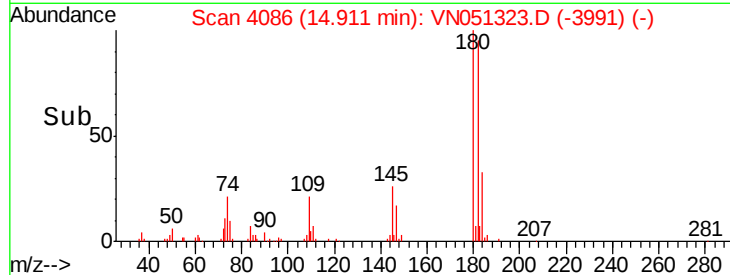
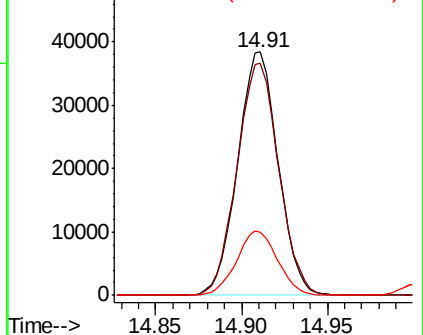
#93
 1,2,4-Trichlorobenzene
 Concen: 16.37 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 62752
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.5 145.6
 145 26.7 14.0 41.9

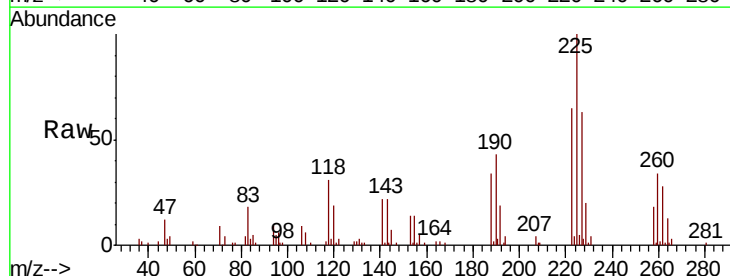


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

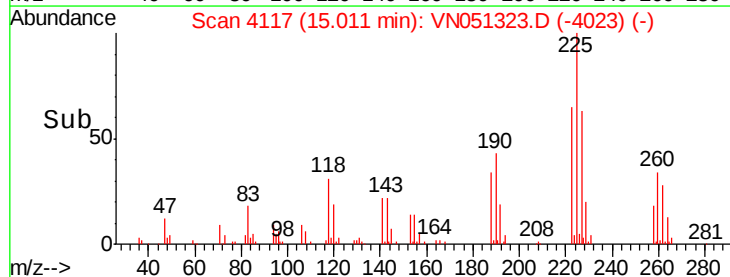
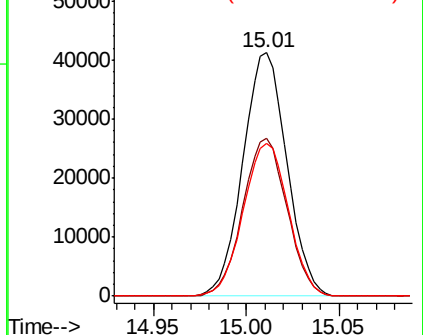


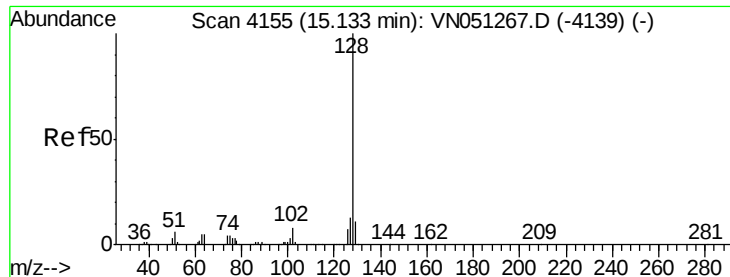
#94
 Hexachlorobutadiene
 Concen: 19.18 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion:225 Resp: 67650
 Ion Ratio Lower Upper
 225 100
 223 65.1 30.8 92.3
 227 64.5 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: 16.57 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

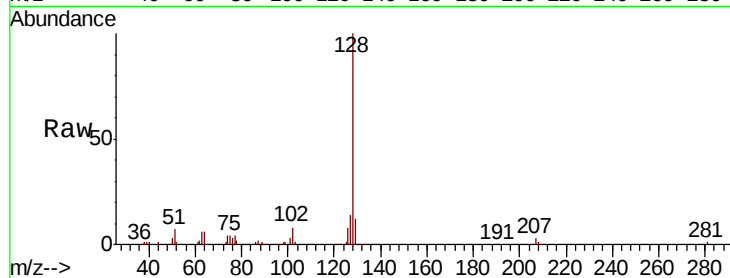
Tot Ion:128 Resp: 111534

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

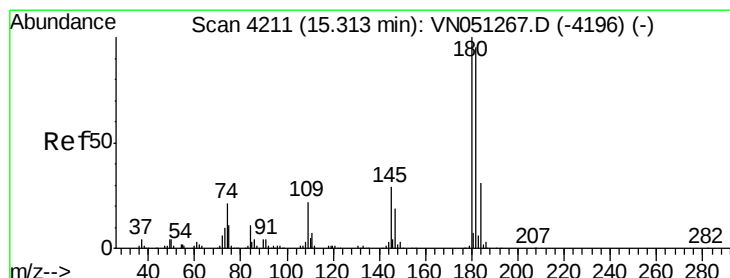
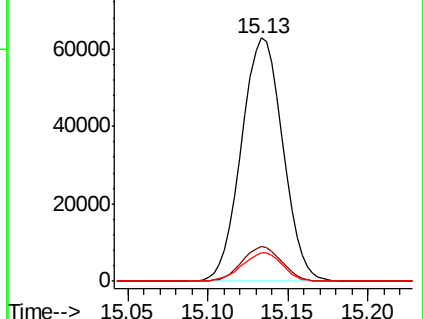
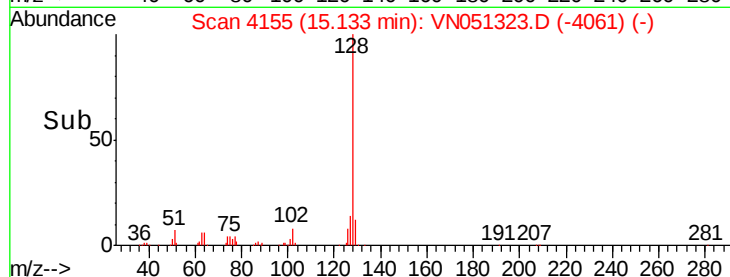
129 11.4 8.9 13.3



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: 17.28 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

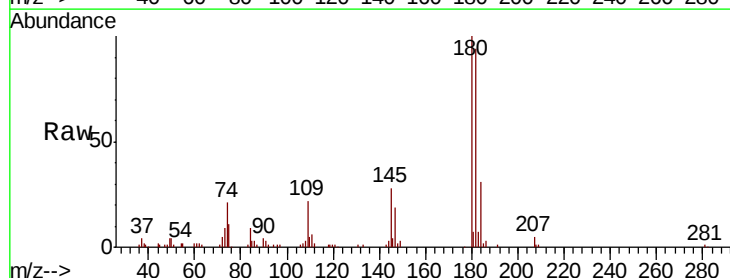
Tgt Ion:180 Resp: 68522

Ion Ratio Lower Upper

180 100

182 96.8 47.5 142.6

145 29.6 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

