

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
 Data File : VN051064.D
 Acq On : 10 Sep 2018 8:09
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 11 01:54:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	484899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	724396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204150	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	2326	0.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.86%	
35) Dibromofluoromethane	7.58	113	3745	0.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.38%	
50) Toluene-d8	10.09	98	12214	0.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.18%	
62) 4-Bromofluorobenzene	12.40	95	4222	0.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.24%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	2829	0.605	ug/l	92
3) Chloromethane	2.06	50	6242	0.938	ug/l	94
4) Vinyl Chloride	2.18	62	3989	0.621	ug/l	98
5) Bromomethane	2.57	94	5478	1.274	ug/l	97
6) Chloroethane	2.71	64	2778	0.701	ug/l	94
7) Trichlorofluoromethane	3.02	101	5310	0.624	ug/l	98
8) Diethyl Ether	3.41	74	1572	0.503	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3634	0.663	ug/l #	66
10) Methyl Iodide	3.95	142	2726	0.582	ug/l #	82
11) Tert butyl alcohol	4.76	59	135	0.328	ug/l #	73
12) 1,1-Dichloroethene	3.73	96	3076	0.595	ug/l	96
13) Acrolein	3.61	56	1063	2.261	ug/l #	77
14) Allyl chloride	4.32	41	4524	0.574	ug/l #	82
15) Acrylonitrile	4.99	53	2088	1.143	ug/l #	79
16) Acetone	3.82	43	7083	4.725	ug/l	94
17) Carbon Disulfide	4.05	76	11229	0.660	ug/l	99
18) Methyl Acetate	4.33	43	4131	0.956	ug/l #	63
19) Methyl tert-butyl Ether	5.04	73	7549	0.608	ug/l	93
20) Methylene Chloride	4.55	84	4553	0.764	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	1802	0.321	ug/l #	87
22) Diisopropyl ether	5.95	45	7582	0.485	ug/l #	87
23) Vinyl Acetate	5.91	43	21962	2.075	ug/l	100
24) 1,1-Dichloroethane	5.84	63	3706	0.373	ug/l #	83
25) 2-Butanone	6.84	43	2958	1.394	ug/l	92
26) 2,2-Dichloropropane	6.82	77	5251	0.646	ug/l #	64
27) cis-1,2-Dichloroethene	6.83	96	3385	0.550	ug/l	89
28) Bromochloromethane	7.19	49	3211	0.727	ug/l #	97
29) Tetrahydrofuran	7.21	42	3336	2.518	ug/l #	75
30) Chloroform	7.37	83	5983	0.606	ug/l	95
31) Cyclohexane	7.66	56	11920	1.188	ug/l #	11
32) 1,1,1-Trichloroethane	7.57	97	4818	0.573	ug/l #	49
36) 1,1-Dichloropropene	7.79	75	4076	0.512	ug/l #	71
37) Ethyl Acetate	6.93	43	2980	0.647	ug/l #	66
38) Carbon Tetrachloride	7.76	117	2188	0.280	ug/l #	84

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 Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 11 01:54:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4422	0.504	ug/l #	86
40) Benzene	8.04	78	13559	0.566	ug/l	96
41) Methacrylonitrile	7.18	41	801	0.337	ug/l #	17
42) 1,2-Dichloroethane	8.12	62	4065	0.582	ug/l	79
43) Isopropyl Acetate	8.17	43	3832	0.471	ug/l #	72
44) Trichloroethene	8.84	130	3998	0.610	ug/l	85
45) 1,2-Dichloropropane	9.12	63	3301	0.533	ug/l #	81
46) Dibromomethane	9.21	93	2017	0.534	ug/l	93
47) Bromodichloromethane	9.40	83	4208	0.548	ug/l #	82
48) Methyl methacrylate	9.20	41	2041	0.515	ug/l #	77
49) 1,4-Dioxane	9.19	88	328	5.281	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	10423	2.319	ug/l	94
52) Toluene	10.16	92	6975	0.477	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	3151	0.410	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	4282	0.475	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	2818	0.531	ug/l #	92
56) Ethyl methacrylate	10.43	69	2154	0.339	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	4356	0.495	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	9928	3.823	ug/l	98
59) 2-Hexanone	10.75	43	6531	2.143	ug/l	83
60) Dibromochloromethane	10.90	129	3137	0.524	ug/l	100
61) 1,2-Dibromoethane	11.01	107	2388	0.460	ug/l	91
64) Tetrachloroethene	10.63	164	3326	0.601	ug/l	94
65) Chlorobenzene	11.43	112	8155	0.533	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	3264	0.593	ug/l #	65
67) Ethyl Benzene	11.51	91	12417	0.501	ug/l	94
68) m/p-Xylenes	11.62	106	8118	0.853	ug/l	99
69) o-Xylene	11.95	106	3695	0.401	ug/l	90
70) Styrene	11.96	104	5288	0.370	ug/l	95
71) Bromoform	12.12	173	1933	0.499	ug/l #	85
73) Isopropylbenzene	12.25	105	10047	0.587	ug/l	97
74) N-amyl acetate	12.08	43	1951	0.453	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.51	83	3388	0.743	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	3372	0.993	ug/l #	100
77) Bromobenzene	12.53	156	2671	0.581	ug/l	87
78) n-propylbenzene	12.59	91	10491	0.557	ug/l	98
79) 2-Chlorotoluene	12.68	91	7208	0.613	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	7567	0.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	338	0.314	ug/l #	51
82) 4-Chlorotoluene	12.77	91	5891	0.505	ug/l	99
83) tert-Butylbenzene	12.99	119	6550	0.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	7228	0.531	ug/l	93
85) sec-Butylbenzene	13.17	105	8135	0.519	ug/l	100
86) p-Isopropyltoluene	13.29	119	6299	0.474	ug/l	91
87) 1,3-Dichlorobenzene	13.28	146	4443	0.569	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	4443	0.578	ug/l	97
89) n-Butylbenzene	13.61	91	4326	0.418	ug/l	96
90) Hexachloroethane	13.88	117	2148	0.791	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	4562	0.600	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.26	75	331	0.498	ug/l	81

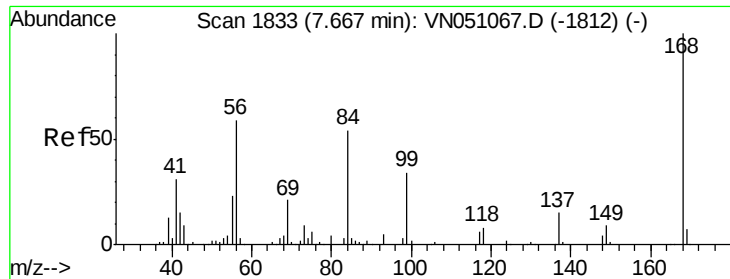
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
Data File : VN051064.D
Acq On : 10 Sep 2018 8:09
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Sample : VSTDICC001
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MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Sep 11 01:54:43 2018
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1194	0.365	ug/l	95
94) Hexachlorobutadiene	15.01	225	1950	0.728	ug/l	92
95) Naphthalene	15.13	128	2318	0.334	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.32	180	1312	0.387	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

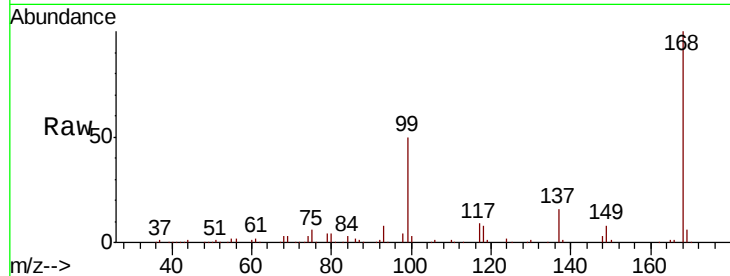
VSTDIC001

Tgt Ion:168 Resp: 484899

Ion Ratio Lower Upper

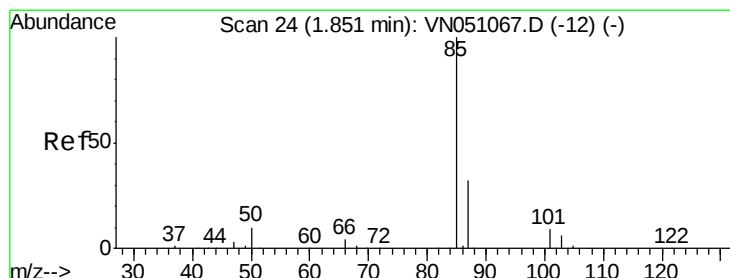
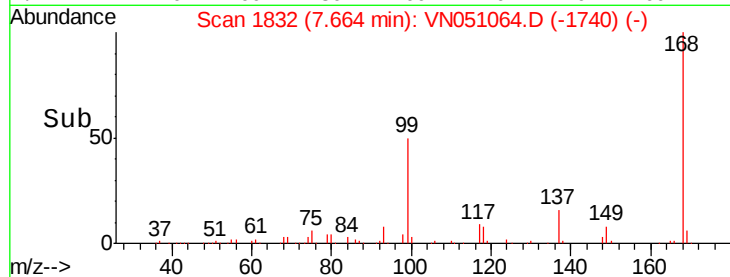
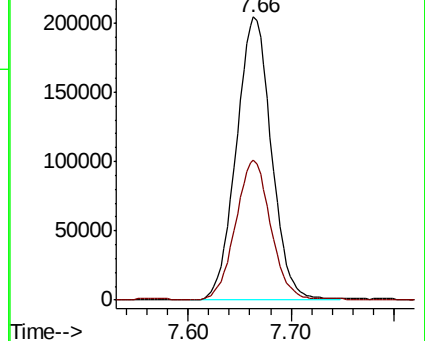
168 100

99 49.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.605 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051064.D

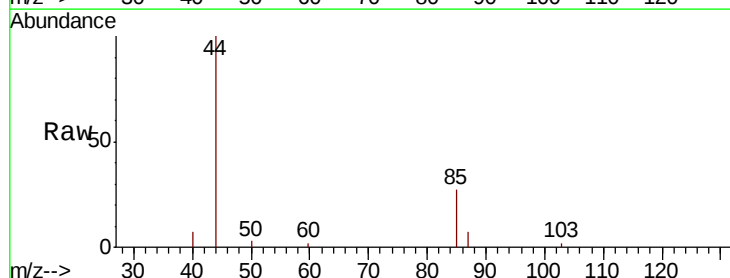
Acq: 10 Sep 2018 8:09

Tgt Ion: 85 Resp: 2829

Ion Ratio Lower Upper

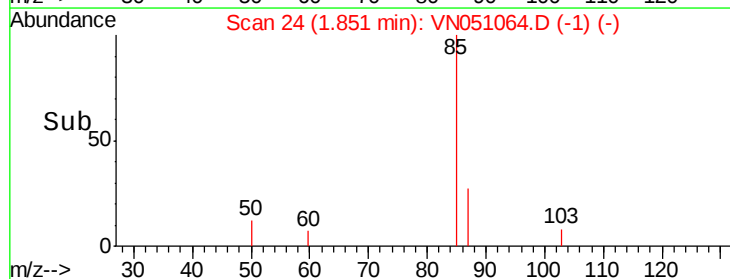
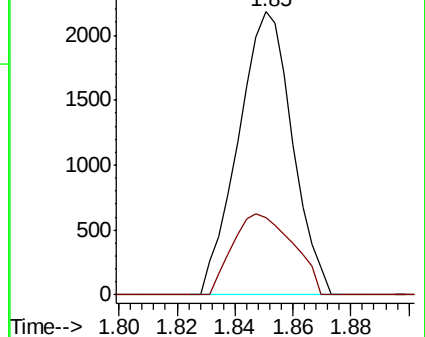
85 100

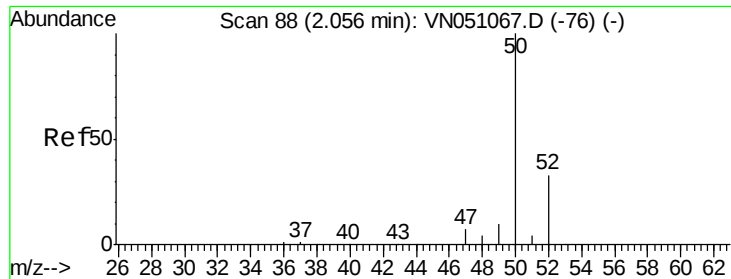
87 27.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

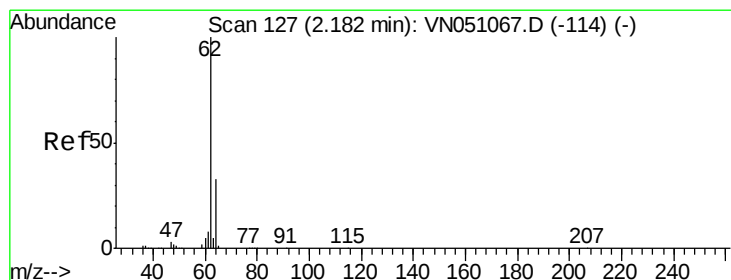
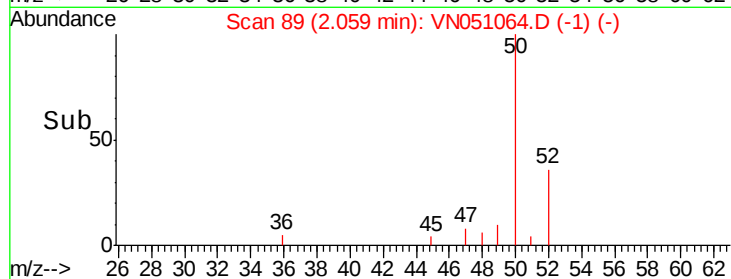
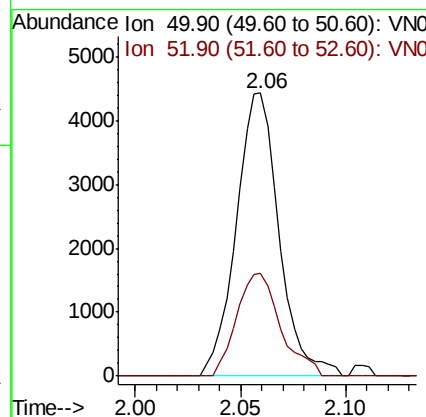
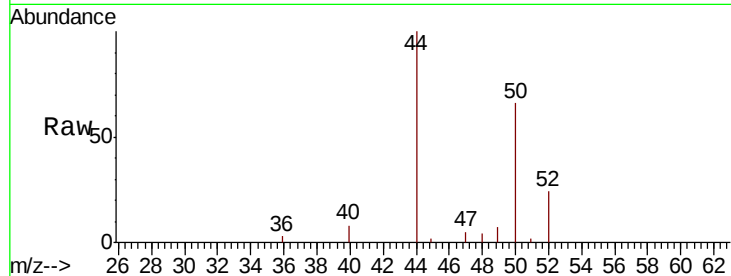




#3
 Chloromethane
 Concen: 0.938 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

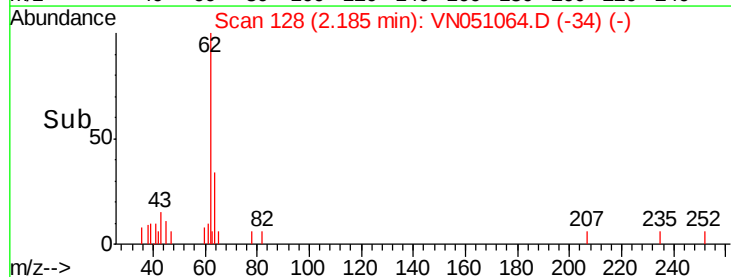
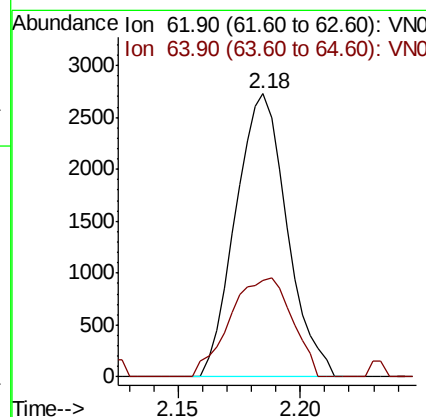
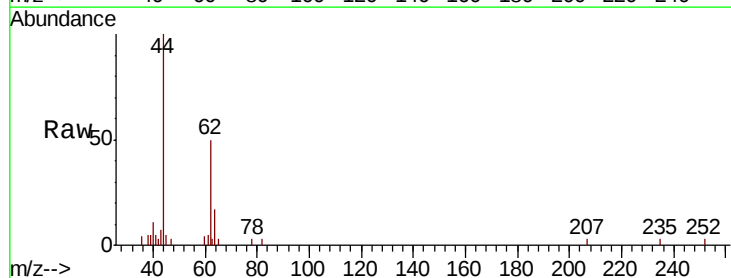
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

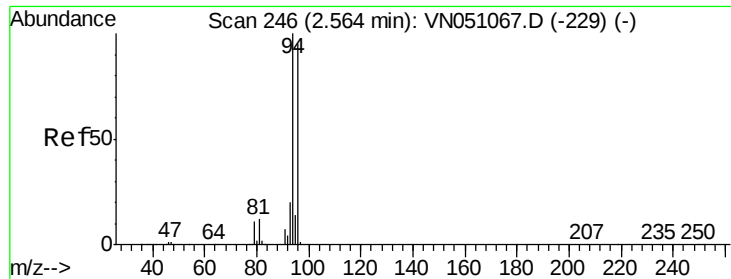
Tgt Ion: 50 Resp: 6242
 Ion Ratio Lower Upper
 50 100
 52 36.1 26.0 39.0



#4
 Vinyl Chloride
 Concen: 0.621 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 62 Resp: 3989
 Ion Ratio Lower Upper
 62 100
 64 33.9 26.2 39.4





#5

Bromomethane

Concen: 1.274 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

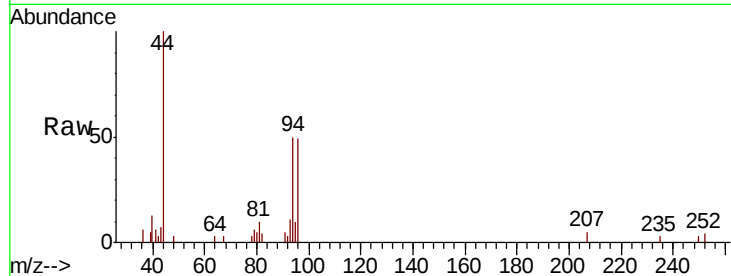
VSTDIC001

Tgt Ion: 94 Resp: 5478

Ion Ratio Lower Upper

94 100

96 97.5 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

2500

2000

1500

1000

500

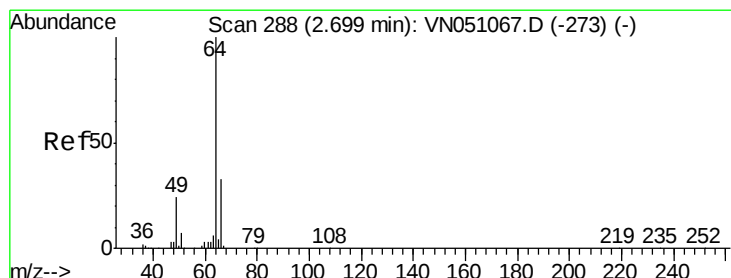
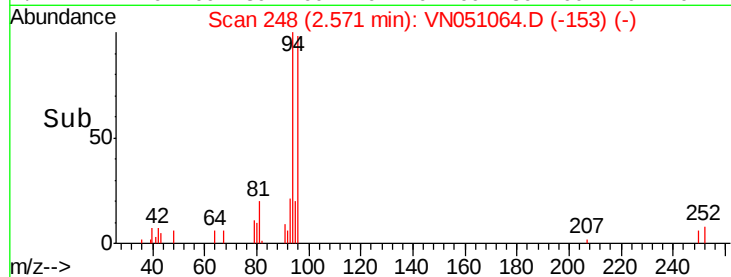
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Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 0.701 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN051064.D

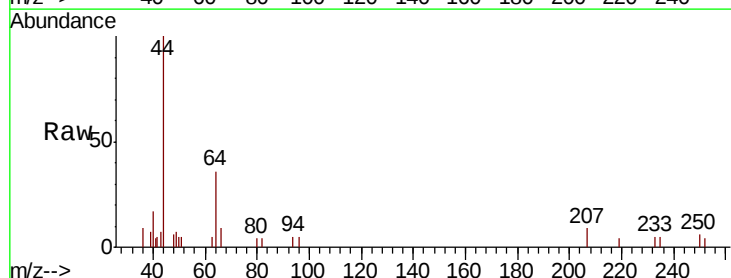
Acq: 10 Sep 2018 8:09

Tgt Ion: 64 Resp: 2778

Ion Ratio Lower Upper

64 100

66 29.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

1500

1000

500

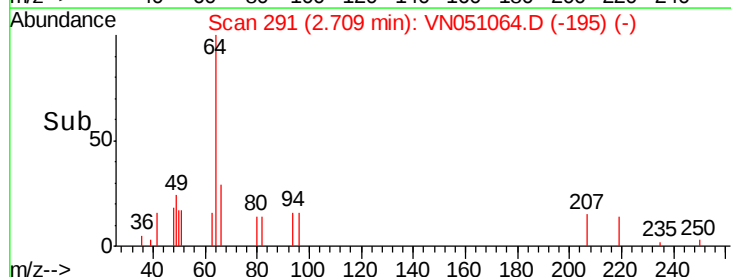
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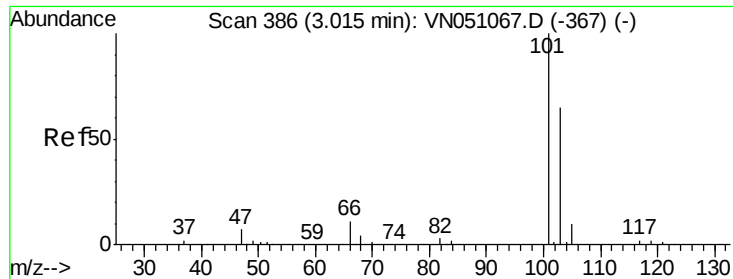
Time-->

2.65

2.70

2.75



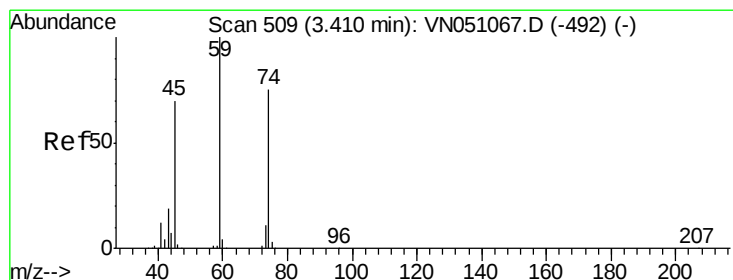
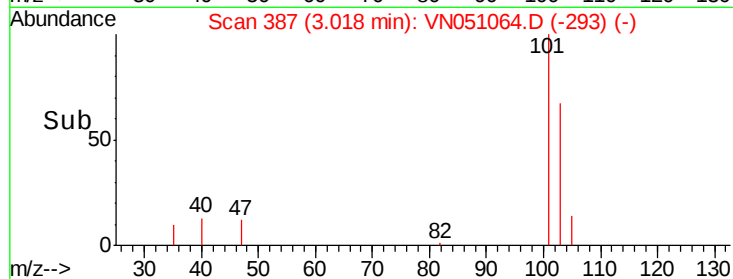
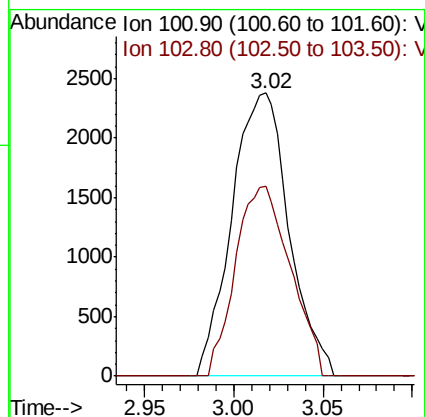
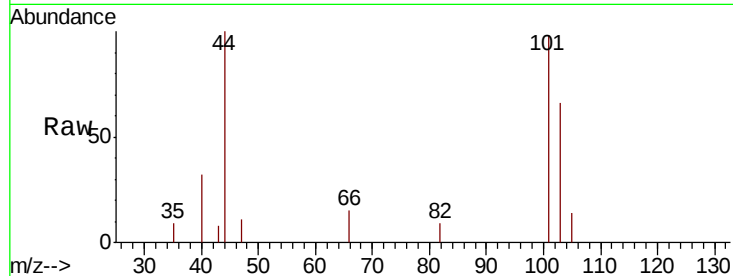


#7

Trichlorofluoromethane
 Concen: 0.624 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

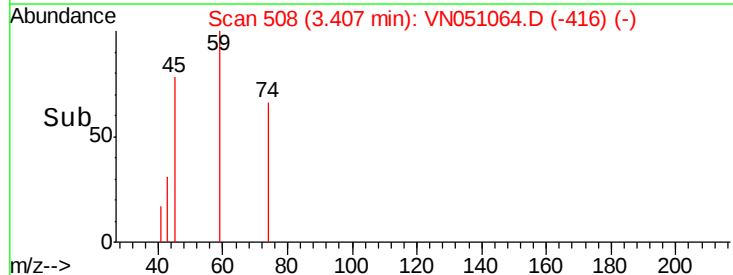
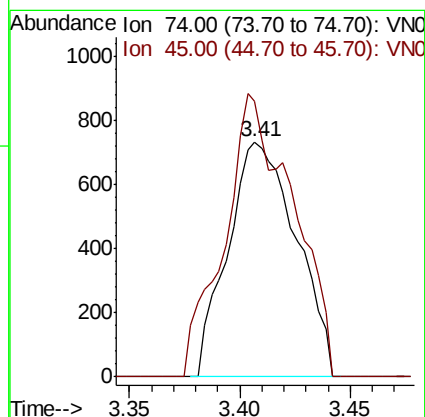
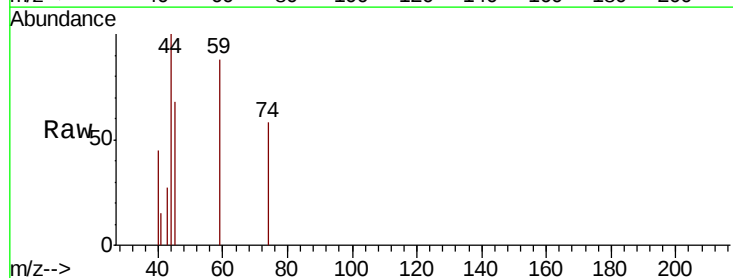
Tgt Ion: 101 Resp: 5310
 Ion Ratio Lower Upper
 101 100
 103 67.2 52.4 78.6

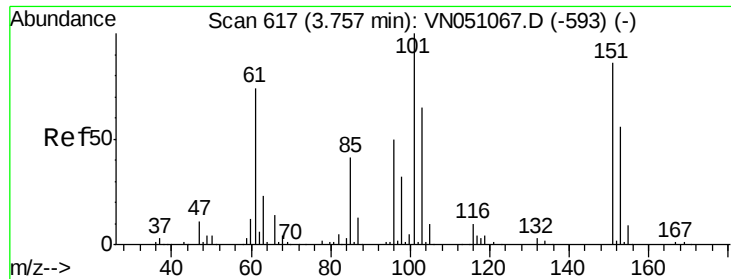


#8

Diethyl Ether
 Concen: 0.503 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 74 Resp: 1572
 Ion Ratio Lower Upper
 74 100
 45 121.6 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.663 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

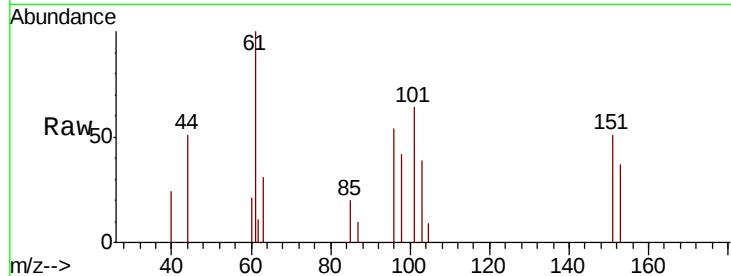
Tgt Ion:101 Resp: 3634

Ion Ratio Lower Upper

101 100

85 38.5 33.3 49.9

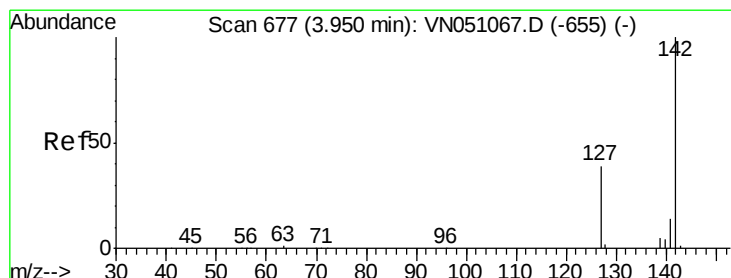
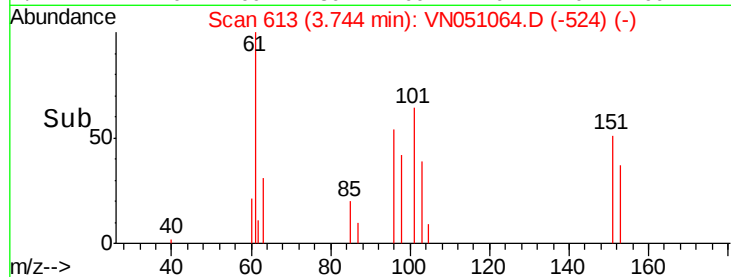
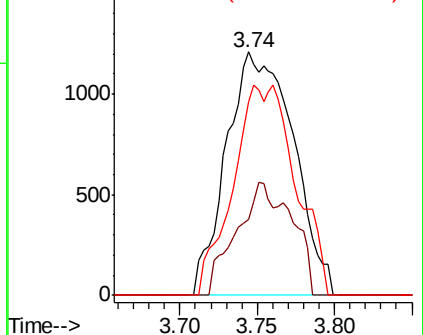
151 41.0 68.2 102.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.582 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

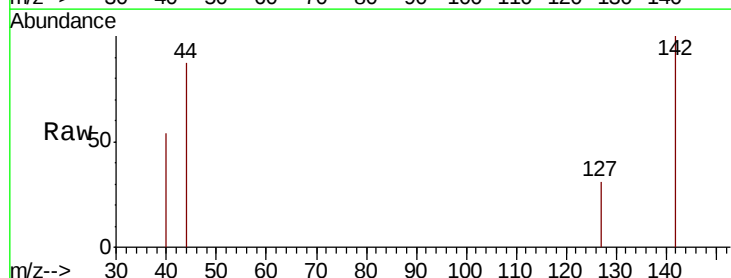
Tgt Ion:142 Resp: 2726

Ion Ratio Lower Upper

142 100

127 29.6 31.0 46.4#

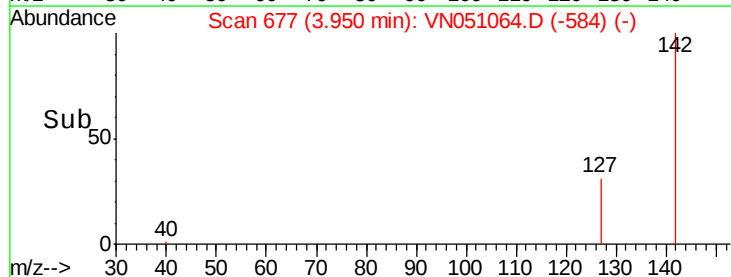
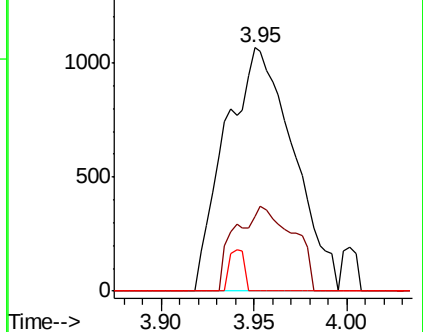
141 3.7 11.3 16.9#

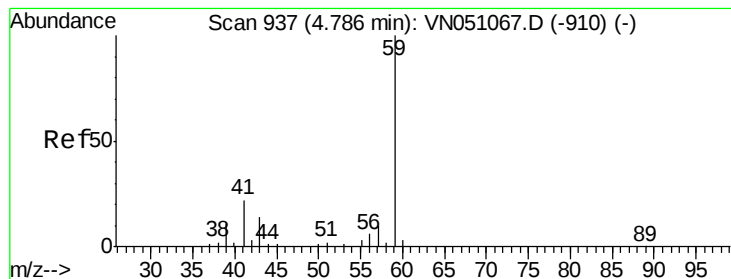


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.328 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.02 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

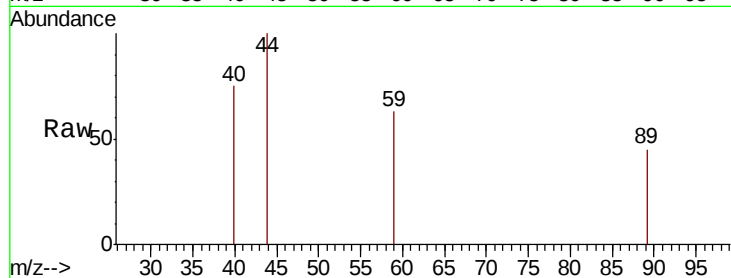
VSTDIC001

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

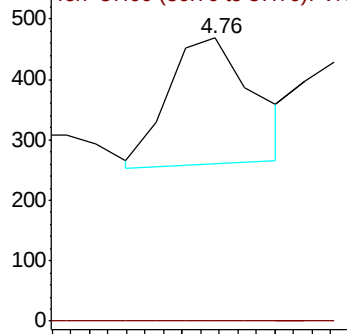
59 100

57 0.0 8.1 12.1#

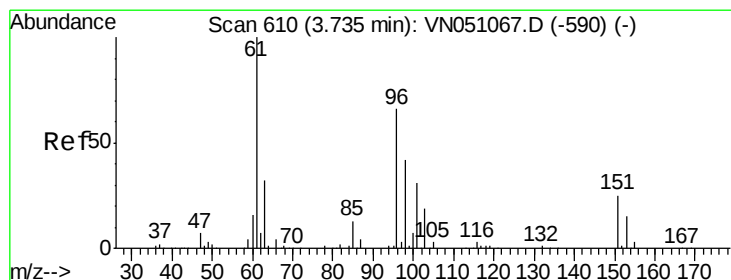
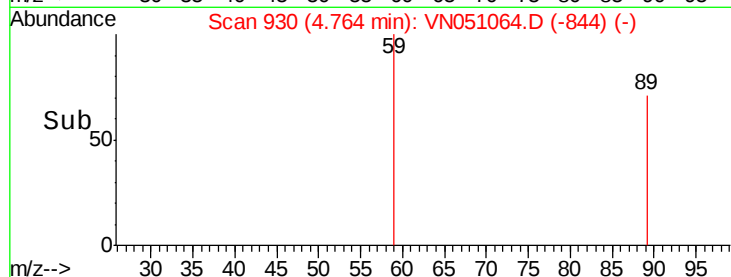


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#12

1,1-Dichloroethene

Concen: 0.595 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

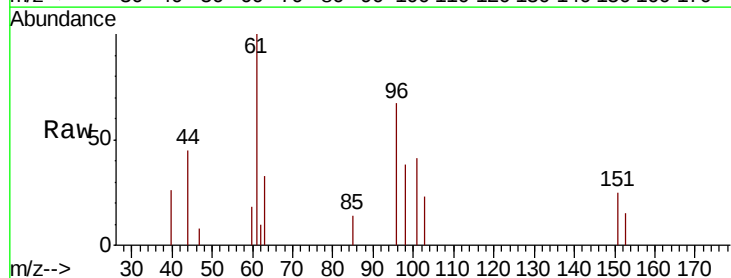
Tgt Ion: 96 Resp: 3076

Ion Ratio Lower Upper

96 100

61 148.2 120.3 180.5

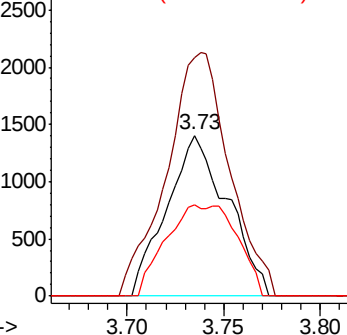
98 56.7 50.8 76.2



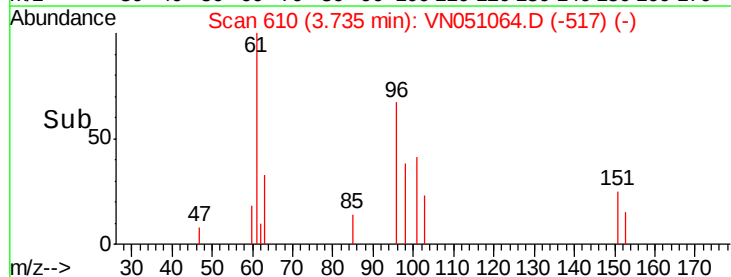
Abundance Ion 95.90 (95.60 to 96.60): VN0

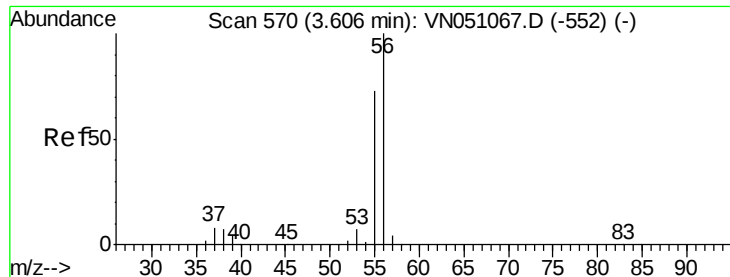
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->





#13

Acrolein

Concen: 2.261 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

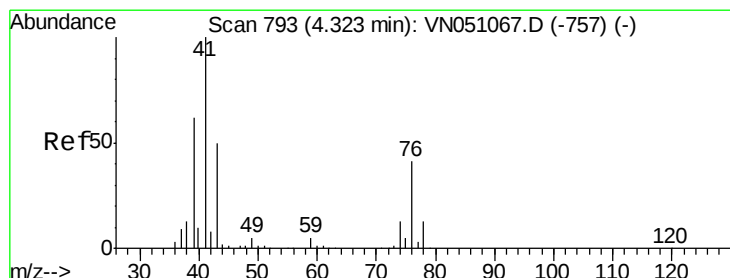
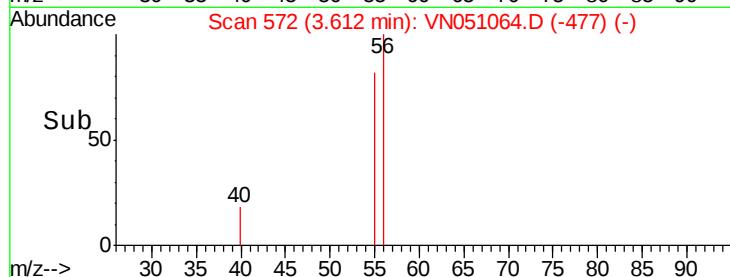
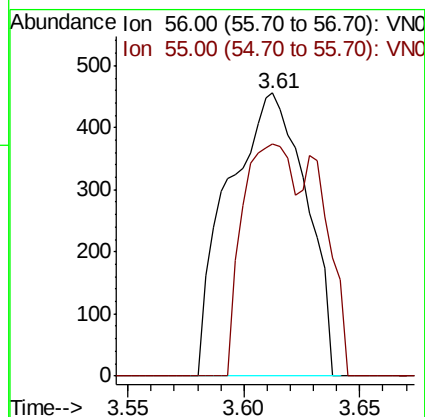
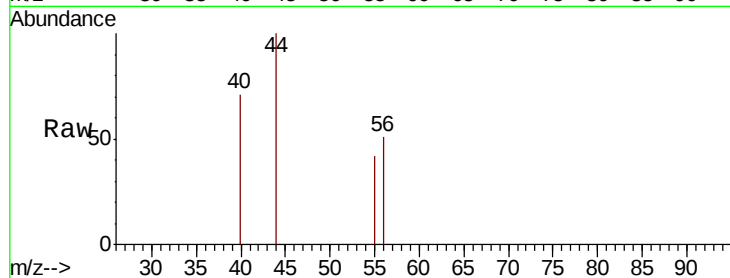
VSTDIC001

Tgt Ion: 56 Resp: 1063

Ion Ratio Lower Upper

56 100

55 53.0 58.0 87.0#



#14

Allyl chloride

Concen: 0.574 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

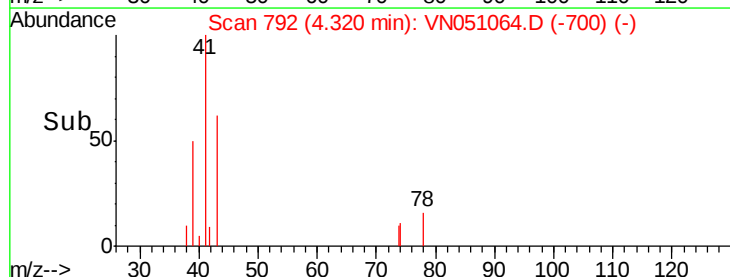
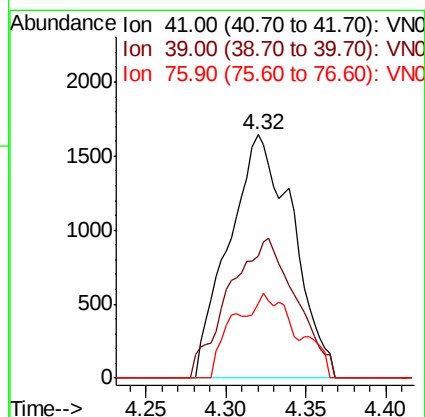
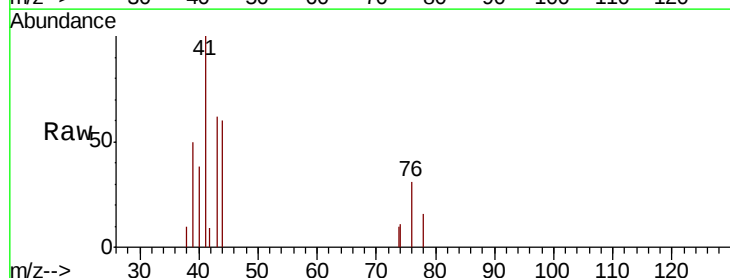
Tgt Ion: 41 Resp: 4524

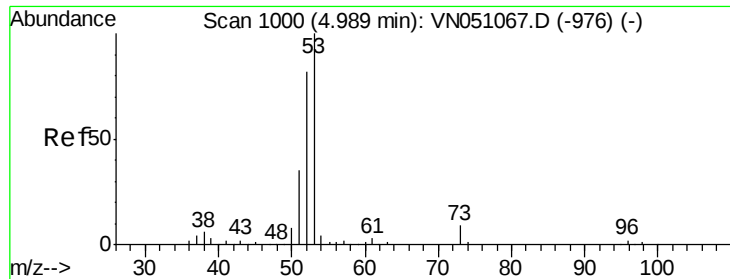
Ion Ratio Lower Upper

41 100

39 60.4 48.8 73.2

76 11.1 30.6 45.8#





#15

Acrylonitrile

Concen: 1.143 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

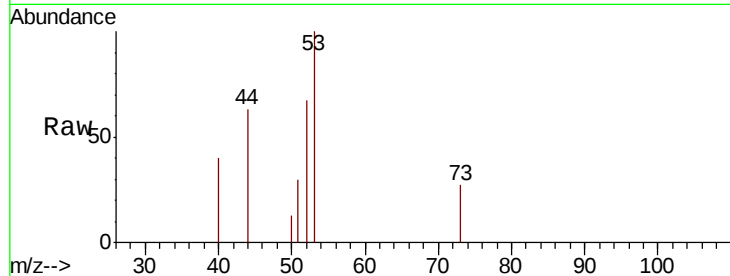
Tgt Ion: 53 Resp: 2088

Ion Ratio Lower Upper

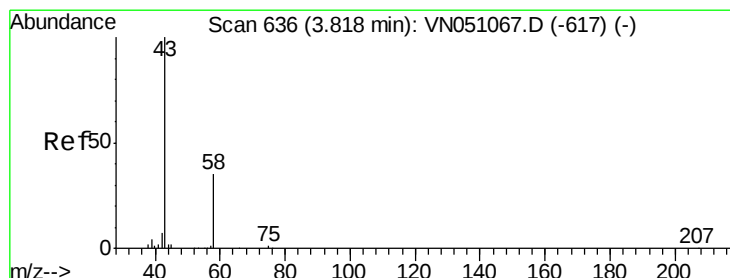
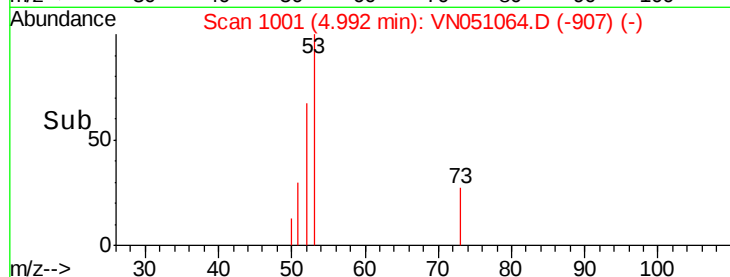
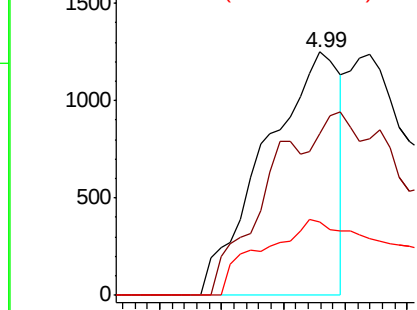
53 100

52 68.3 65.3 97.9

51 55.8 28.2 42.2#



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



#16

Acetone

Concen: 4.725 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051064.D

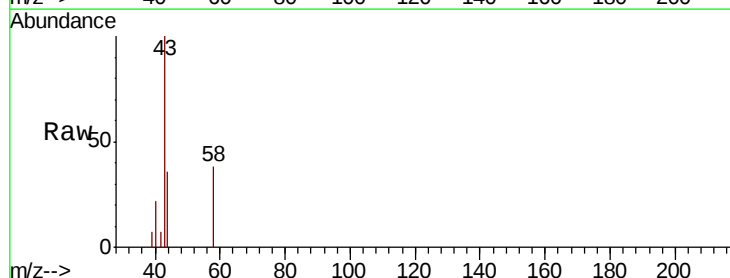
Acq: 10 Sep 2018 8:09

Tgt Ion: 43 Resp: 7083

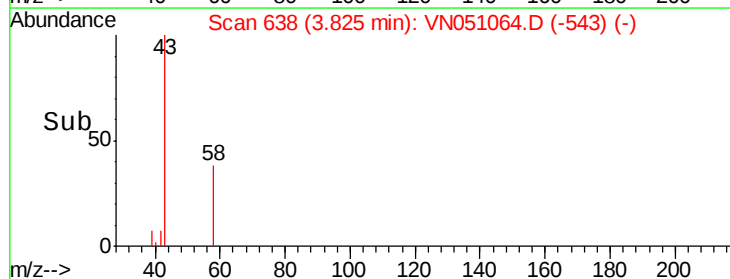
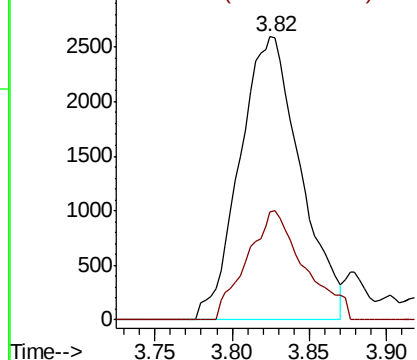
Ion Ratio Lower Upper

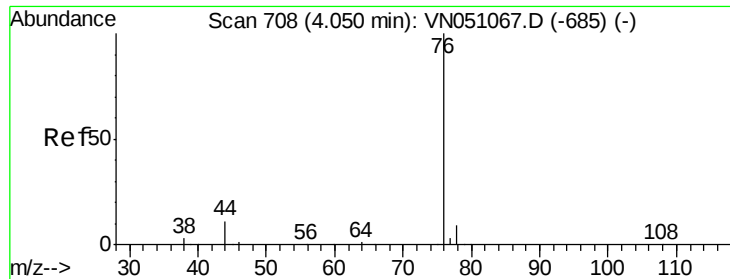
43 100

58 38.0 27.8 41.6



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





#17

Carbon Disulfide

Concen: 0.660 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

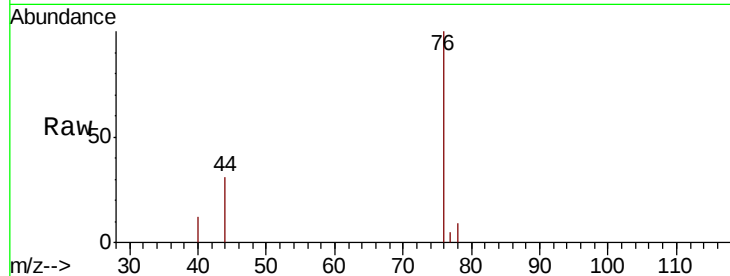
VSTDIC001

Tgt Ion: 76 Resp: 11229

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN051067.D (-685) (-)

4.05

5000

4000

3000

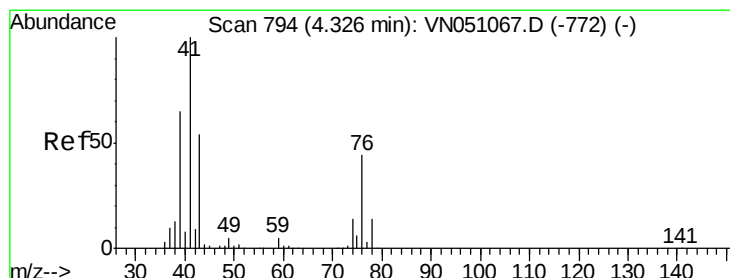
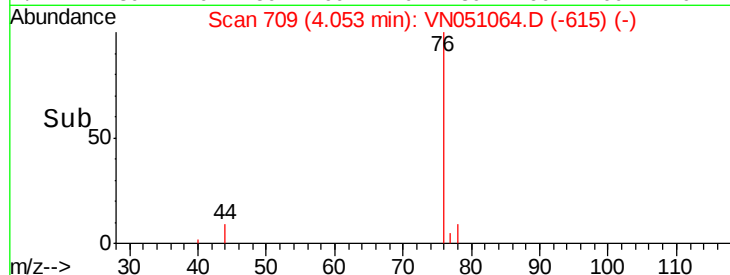
2000

1000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#18

Methyl Acetate

Concen: 0.956 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051064.D

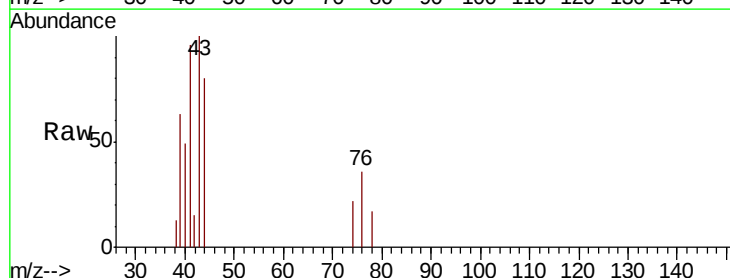
Acq: 10 Sep 2018 8:09

Tgt Ion: 43 Resp: 4131

Ion Ratio Lower Upper

43 100

74 6.8 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN051067.D (-772) (-)

4.33

1500

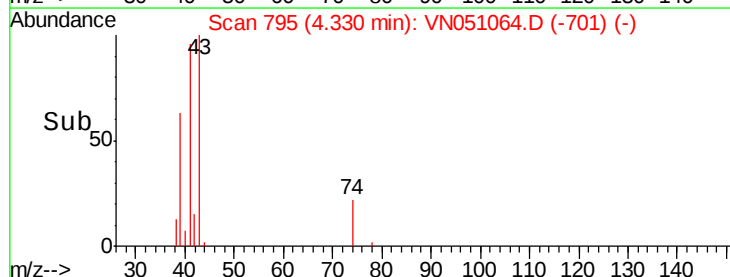
1000

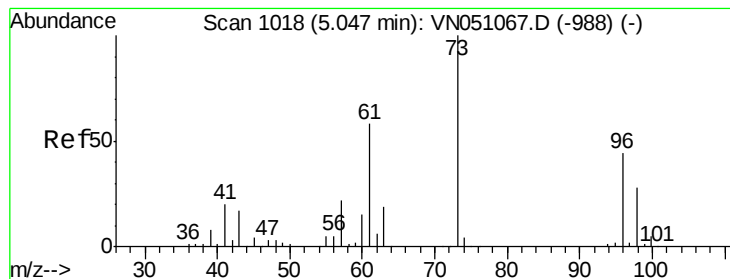
500

0

Time-->

4.25 4.30 4.35 4.40



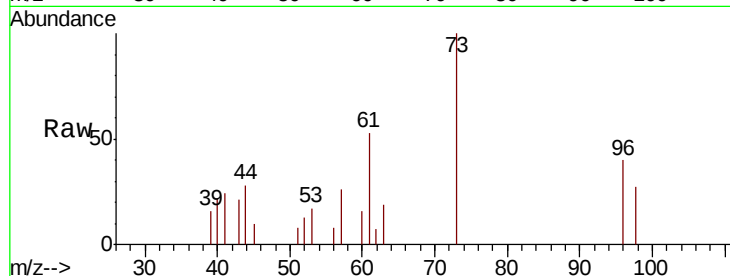


#19

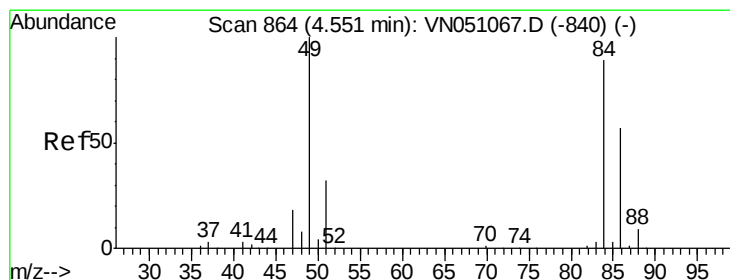
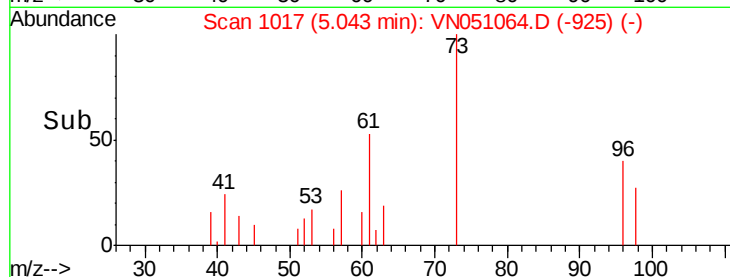
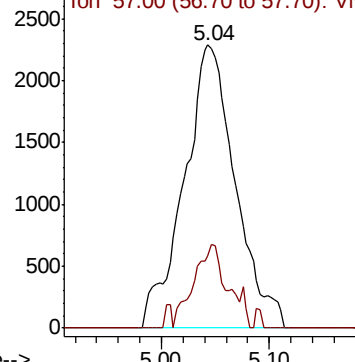
Methyl tert-butyl Ether
 Concen: 0.608 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion: 73 Resp: 7549
 Ion Ratio Lower Upper
 73 100
 57 25.6 17.9 26.9



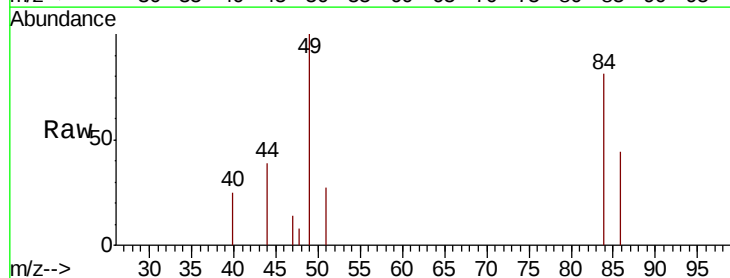
Abundance Ion 73.00 (72.70 to 73.70): VN051067.D (-988) (-)
 Ion 57.00 (56.70 to 57.70): VN051067.D (-988) (-)



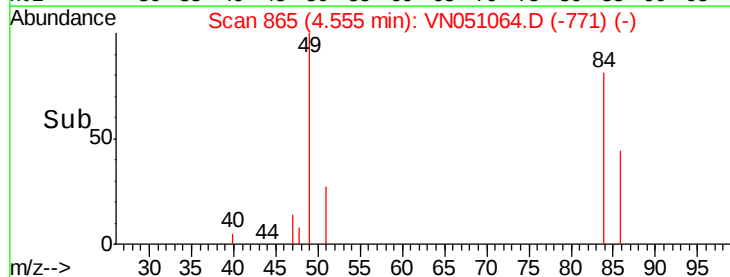
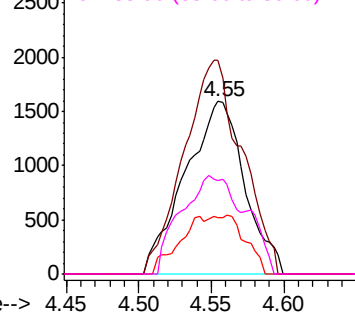
#20

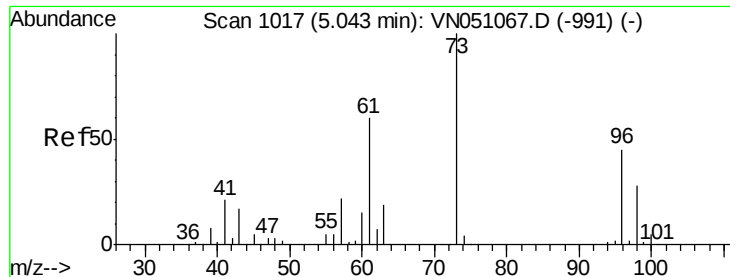
Methylene Chloride
 Concen: 0.764 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 84 Resp: 4553
 Ion Ratio Lower Upper
 84 100
 49 123.7 90.2 135.2
 51 32.9 28.4 42.6
 86 54.1 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VN051067.D (-840) (-)
 Ion 48.90 (48.60 to 49.60): VN051067.D (-840) (-)
 Ion 50.90 (50.60 to 51.60): VN051067.D (-840) (-)
 Ion 85.90 (85.60 to 86.60): VN051067.D (-840) (-)

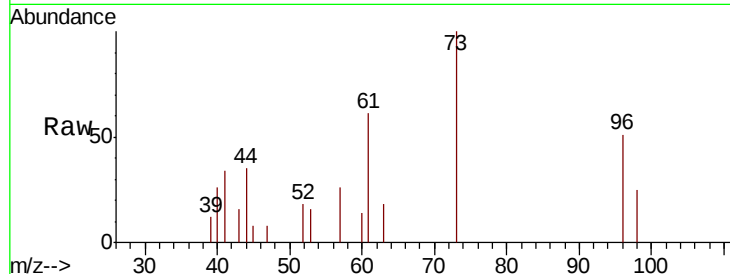




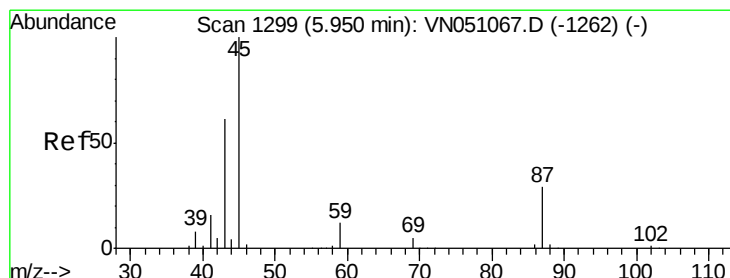
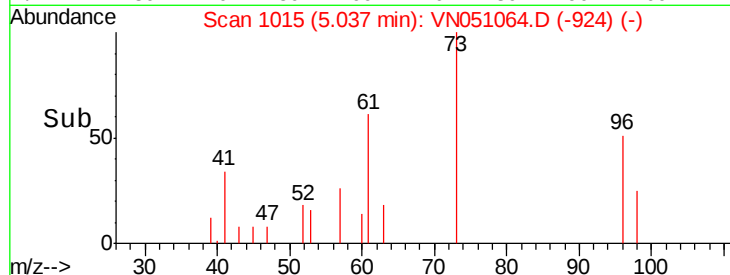
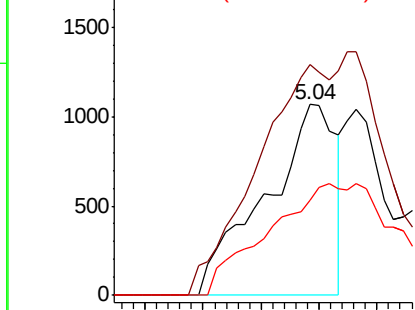
#21
trans-1,2-Dichloroethene
Concen: 0.321 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 1802
Ion Ratio Lower Upper
96 100
61 121.0 106.5 159.7
98 49.5 50.4 75.6#

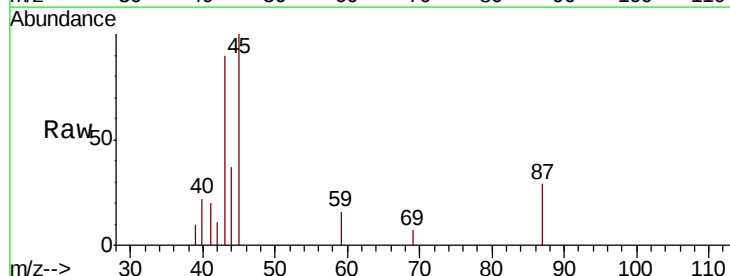


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

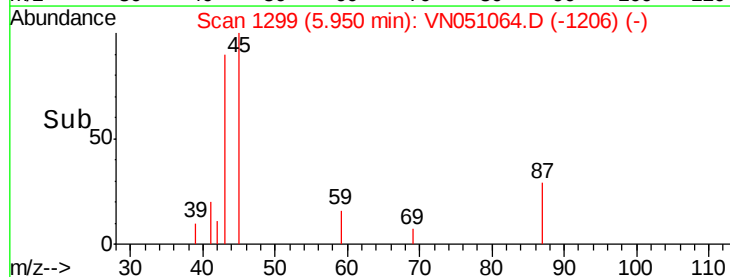
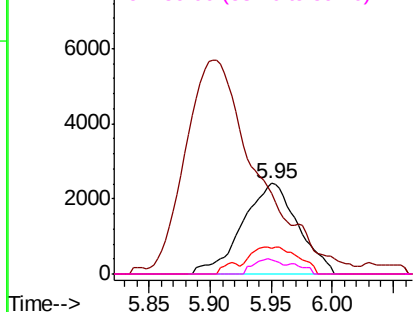


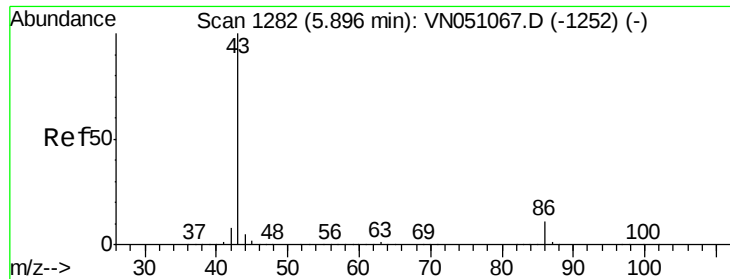
#22
Diisopropyl ether
Concen: 0.485 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion: 45 Resp: 7582
Ion Ratio Lower Upper
45 100
43 75.4 48.8 73.2#
87 28.7 23.8 35.8
59 15.9 9.6 14.4#



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





#23

Vinyl Acetate

Concen: 2.075 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

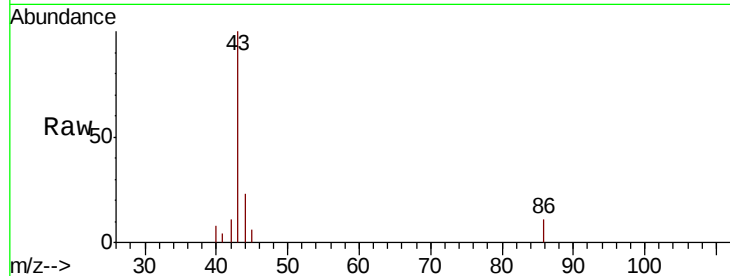
VSTDIC001

Tgt Ion: 43 Resp: 21962

Ion Ratio Lower Upper

43 100

86 11.4 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN051067.D (-1252) (-)

5.91

6000

5000

4000

3000

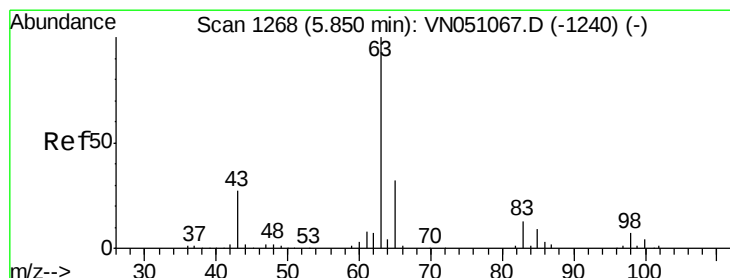
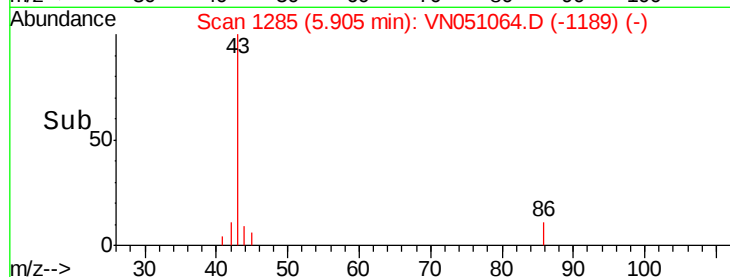
2000

1000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 0.373 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

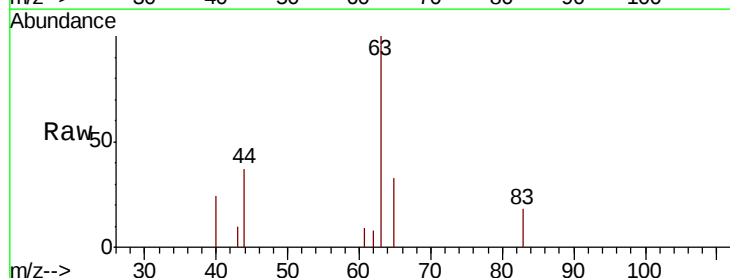
Tgt Ion: 63 Resp: 3706

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN051067.D (-1240) (-)

2500

2000

1500

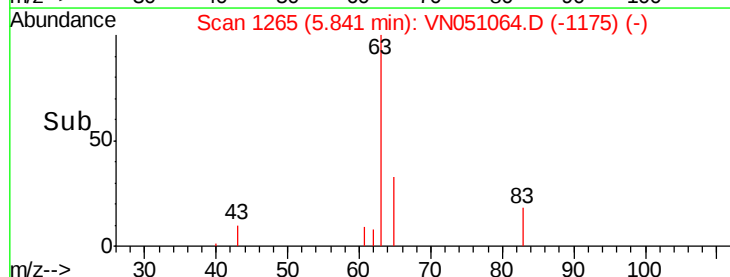
1000

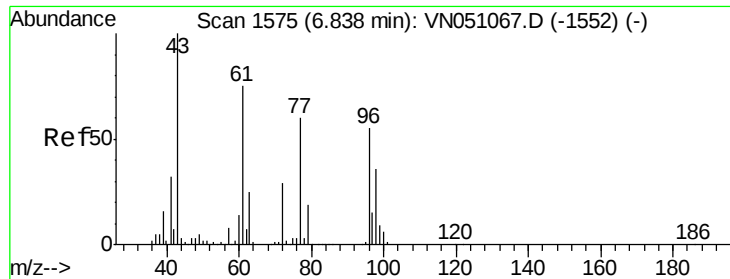
500

0

5.80 5.85

Time-->

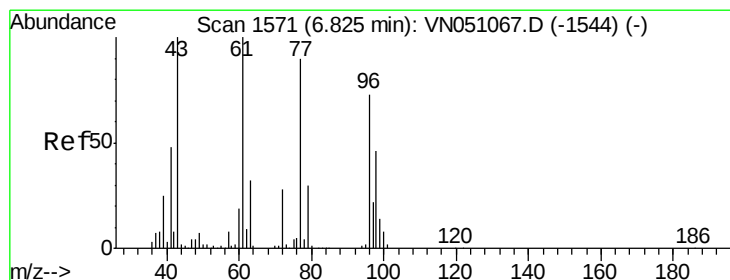
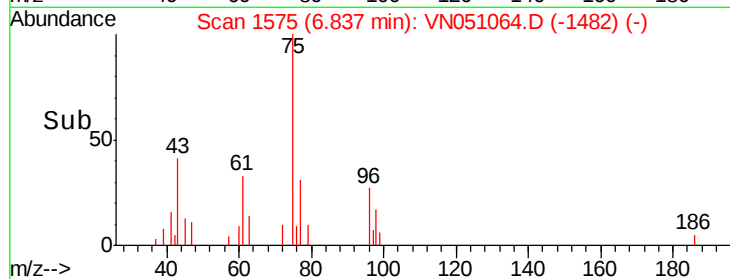
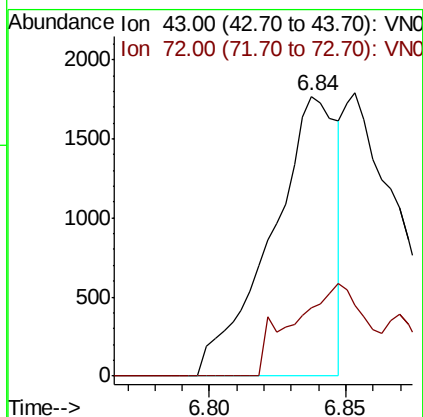
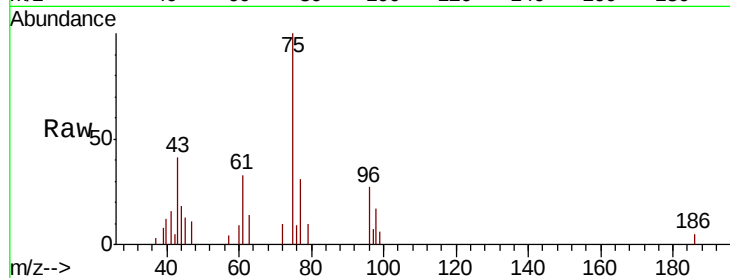




#25
 2-Butanone
 Concen: 1.394 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

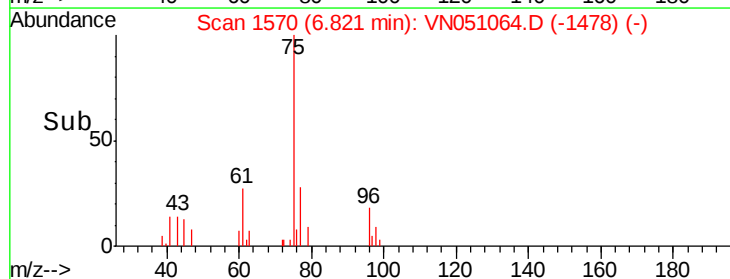
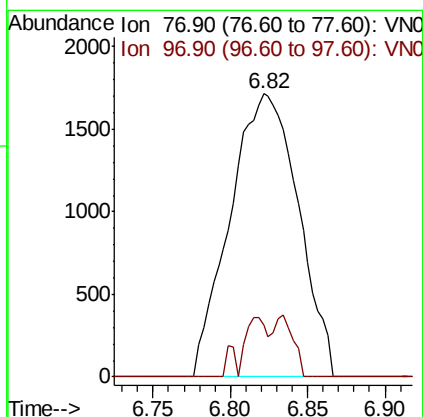
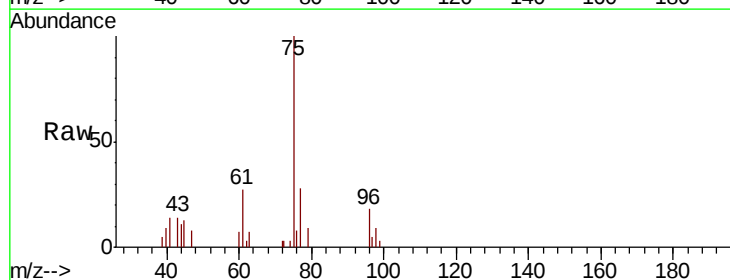
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

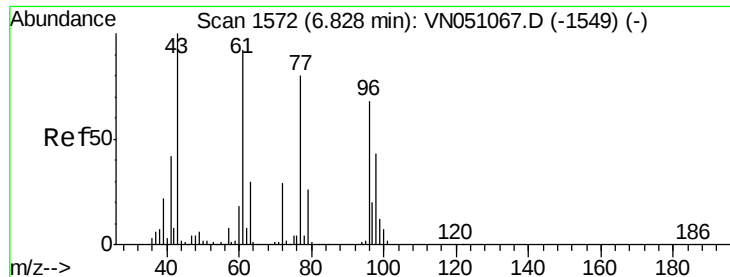
Tgt Ion: 43 Resp: 2958
 Ion Ratio Lower Upper
 43 100
 72 24.4 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 0.646 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 77 Resp: 5251
 Ion Ratio Lower Upper
 77 100
 97 6.6 12.1 36.3#





#27

cis-1,2-Dichloroethene

Concen: 0.550 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

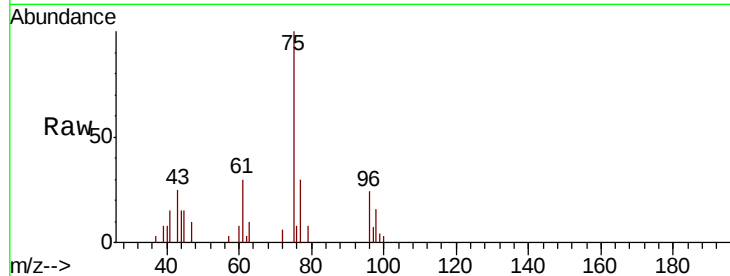
Tgt Ion: 96 Resp: 3385

Ion Ratio Lower Upper

96 100

61 157.6 0.0 278.2

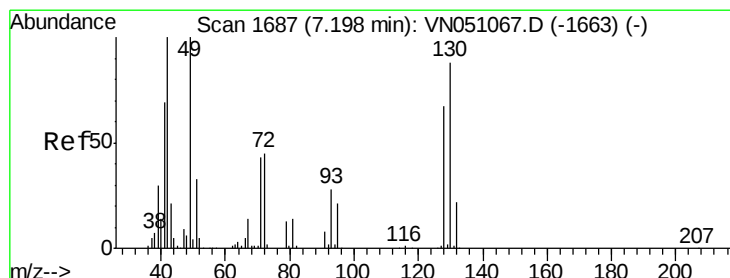
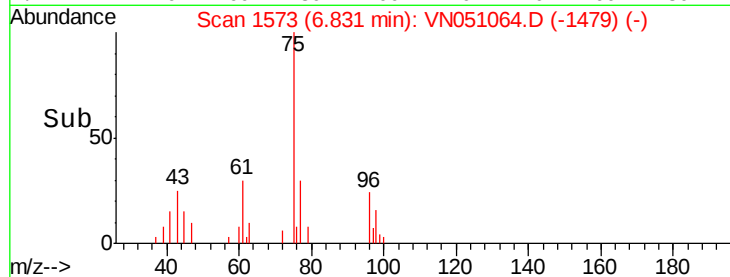
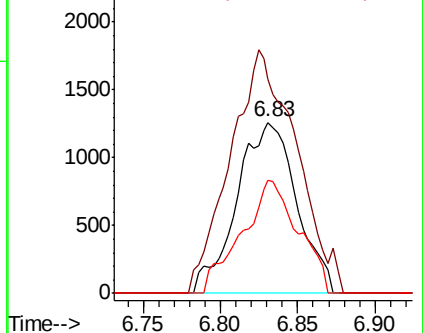
98 62.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051067.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1549) (-)



#28

Bromochloromethane

Concen: 0.727 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

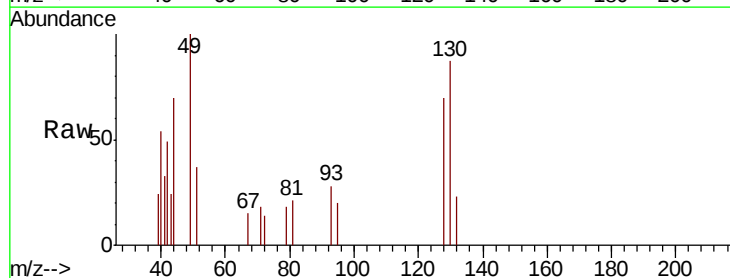
Tgt Ion: 49 Resp: 3211

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

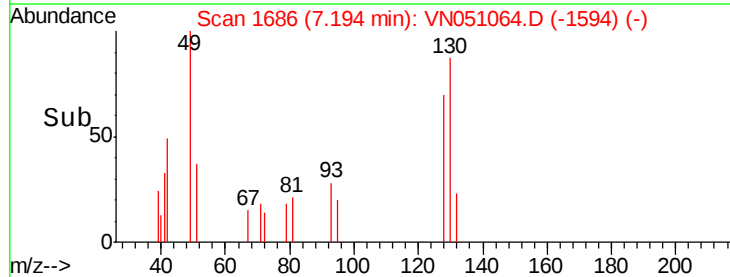
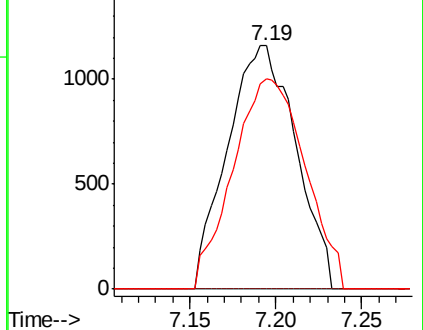
130 91.0 70.7 106.1

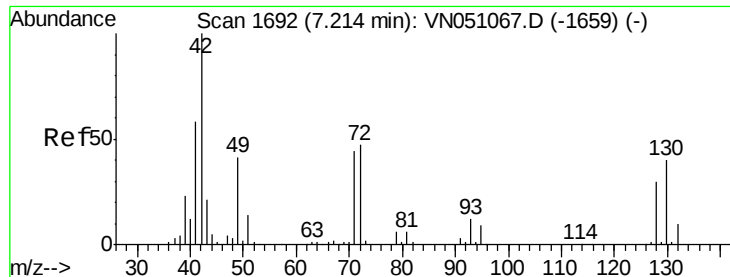


Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051067.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051067.D (-1663) (-)





#29

Tetrahydrofuran

Concen: 2.518 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

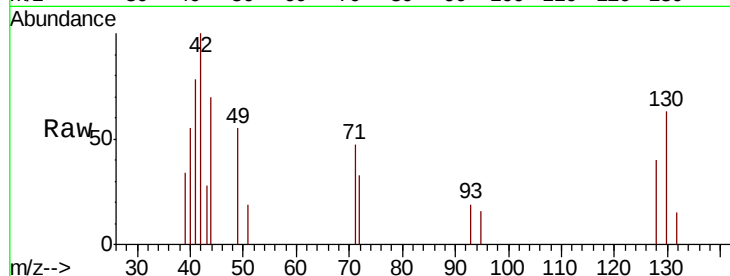
Tgt Ion: 42 Resp: 3336

Ion Ratio Lower Upper

42 100

72 19.6 37.4 56.0#

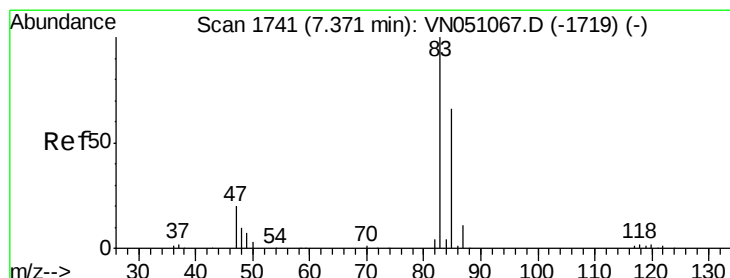
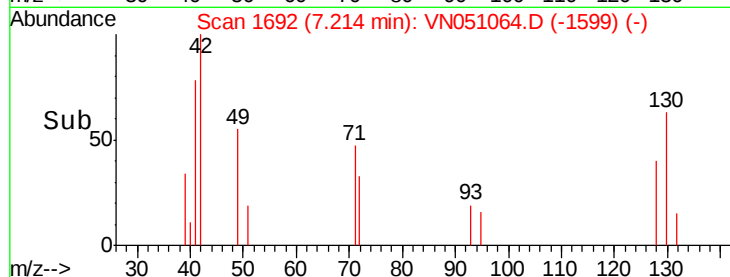
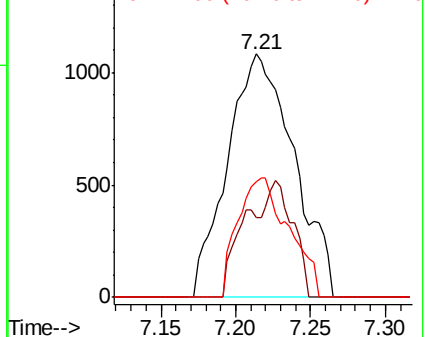
71 37.8 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN051067.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN051067.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN051067.D (-1659) (-)



#30

Chloroform

Concen: 0.606 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051064.D

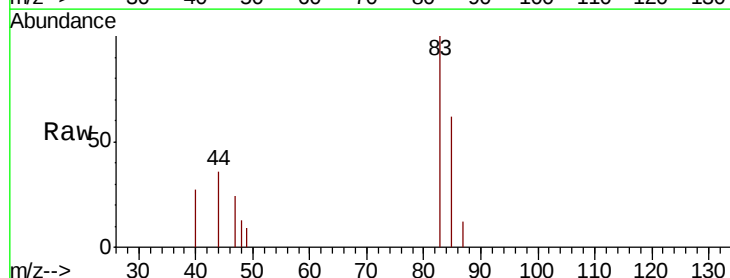
Acq: 10 Sep 2018 8:09

Tgt Ion: 83 Resp: 5983

Ion Ratio Lower Upper

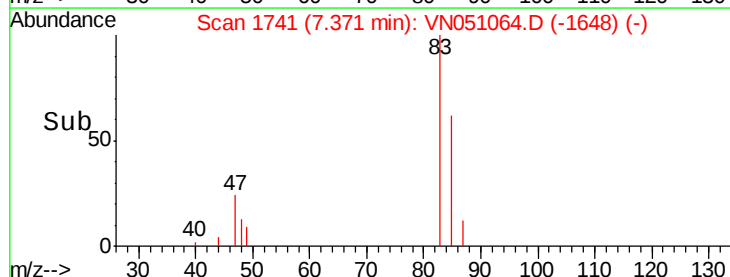
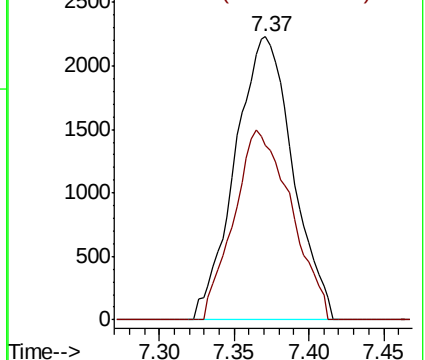
83 100

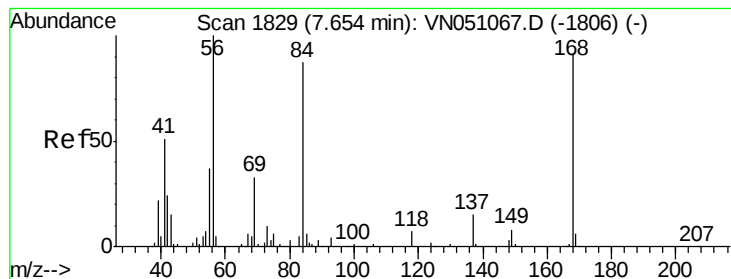
85 61.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-1719) (-)





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

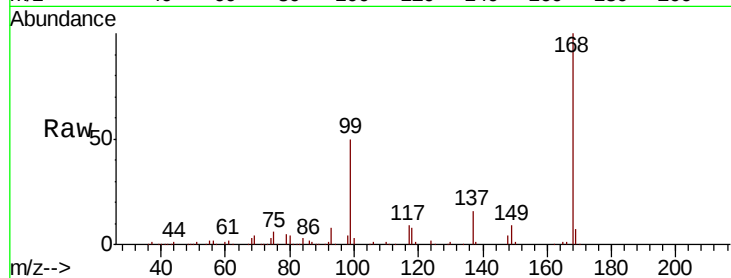
Tgt Ion: 56 Resp: 11920

Ion Ratio Lower Upper

56 100

69 148.7 26.3 39.5#

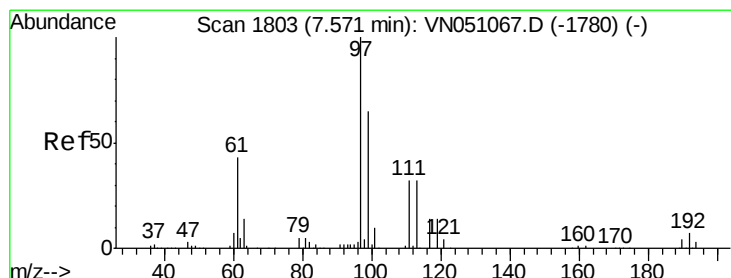
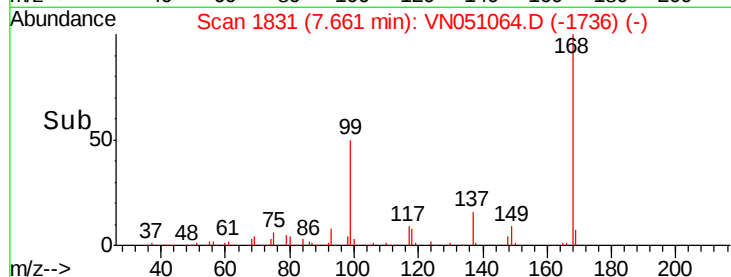
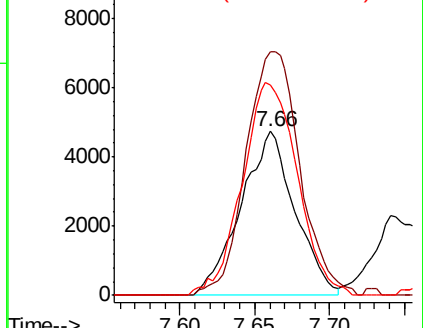
84 128.6 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.573 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

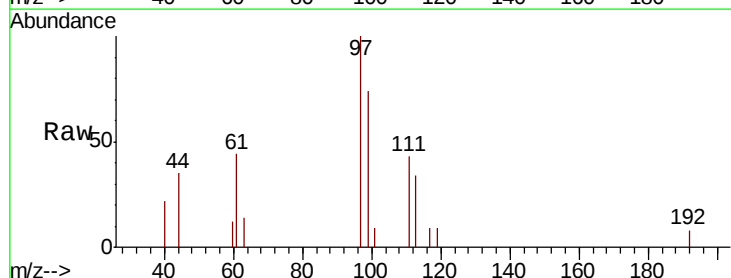
Tgt Ion: 97 Resp: 4818

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

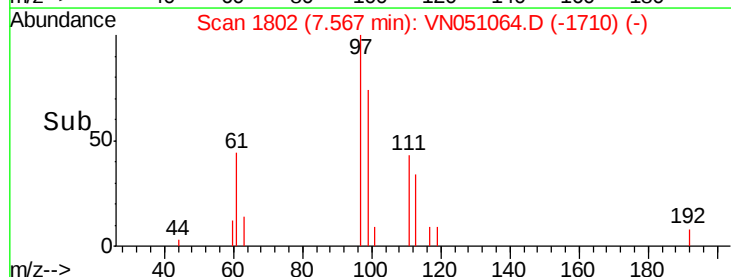
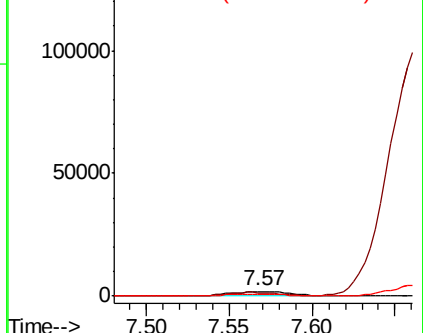
61 40.8 33.8 50.6

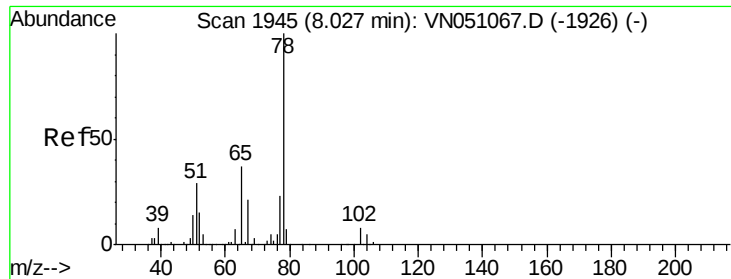


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

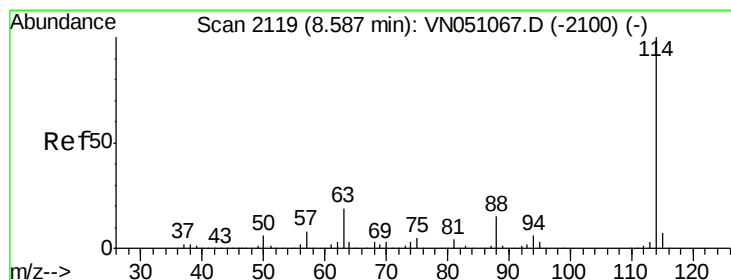
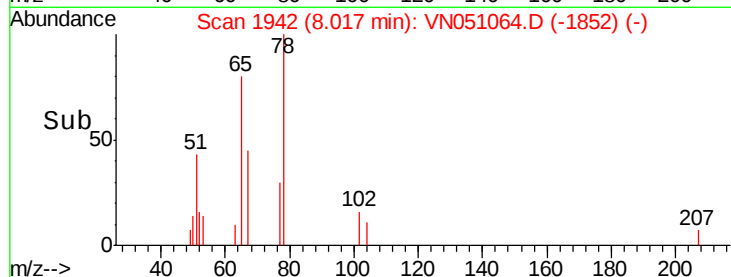
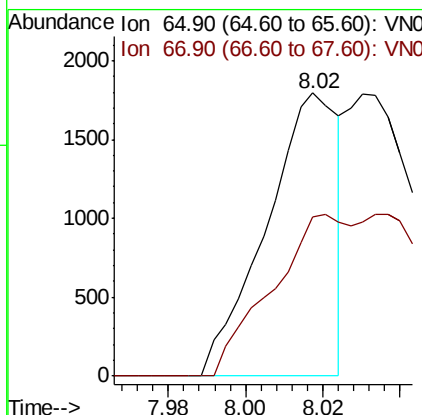
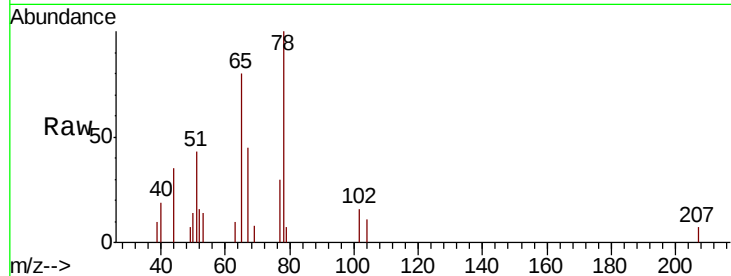




#33
 1,2-Dichloroethane-d4
 Concen: 0.431 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

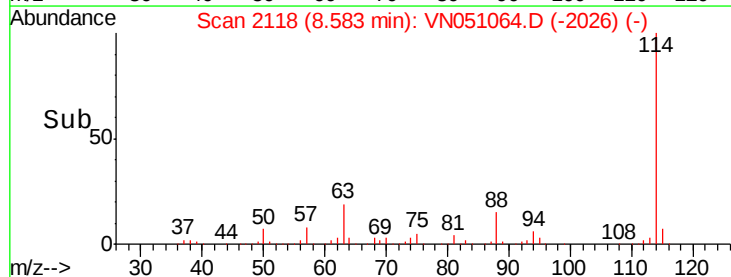
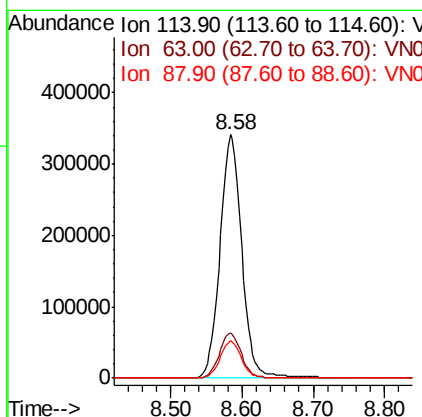
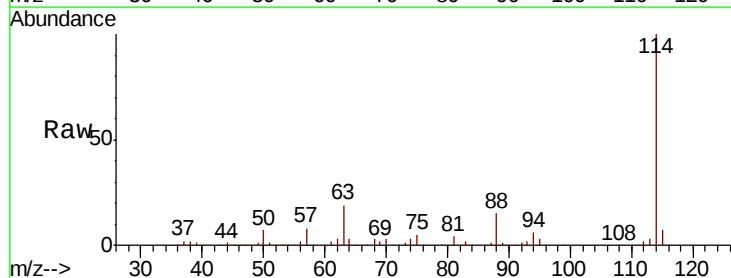
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

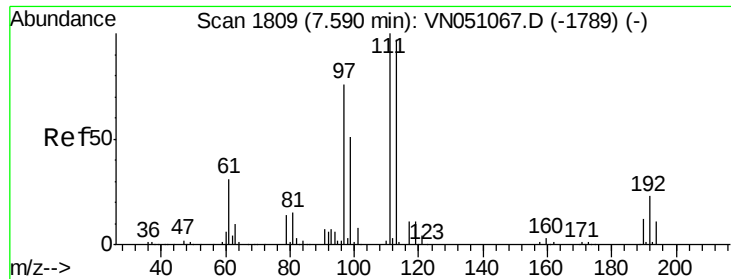
Tgt Ion: 65 Resp: 2326
 Ion Ratio Lower Upper
 65 100
 67 61.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 114 Resp: 724396
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 15.2 0.0 30.8

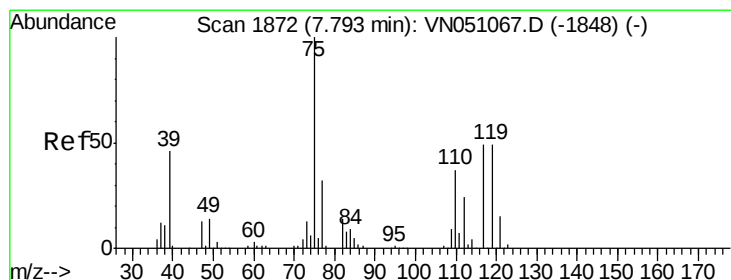
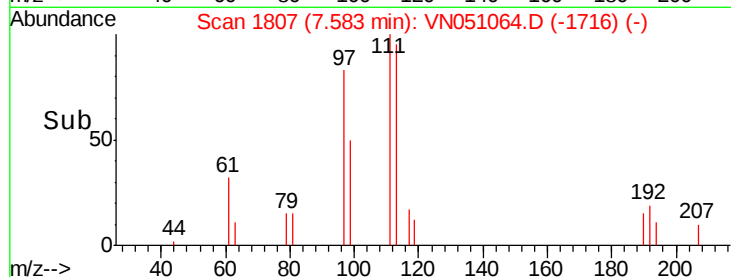
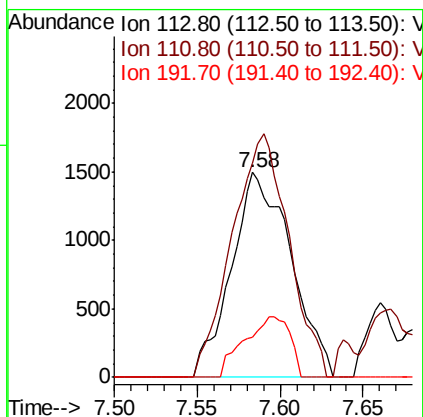
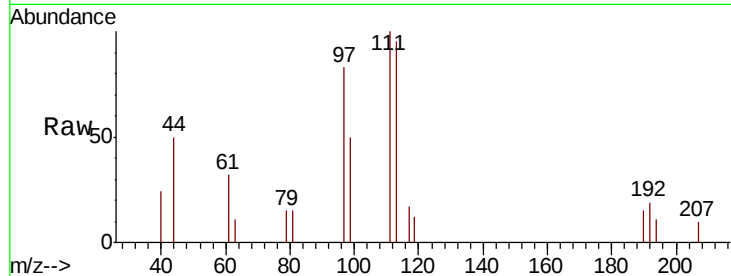




#35
 Dibromofluoromethane
 Concen: 0.688 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

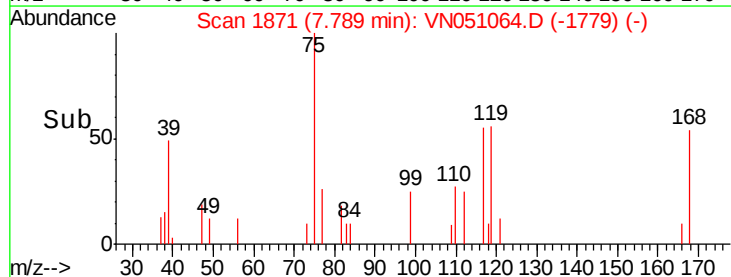
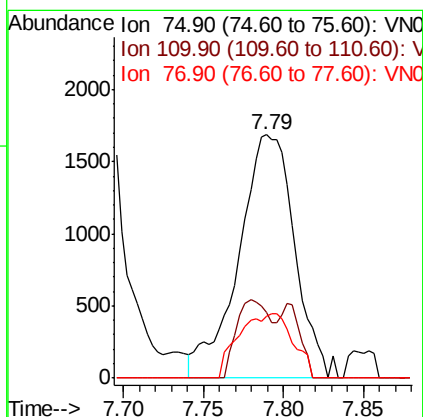
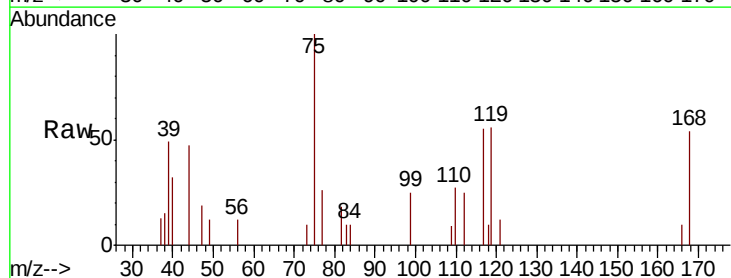
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

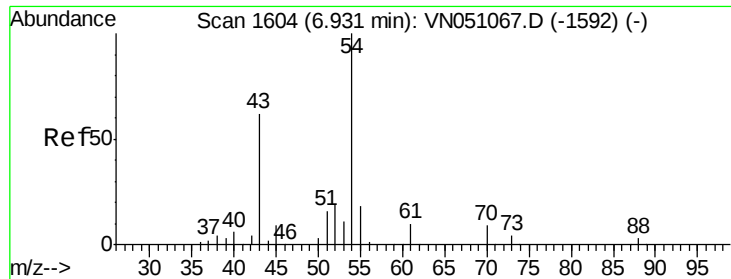
Tgt Ion: 113 Resp: 3745
 Ion Ratio Lower Upper
 113 100
 111 112.8 83.0 124.6
 192 22.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 0.512 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 75 Resp: 4076
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.6 55.8#
 77 25.5 25.2 37.8

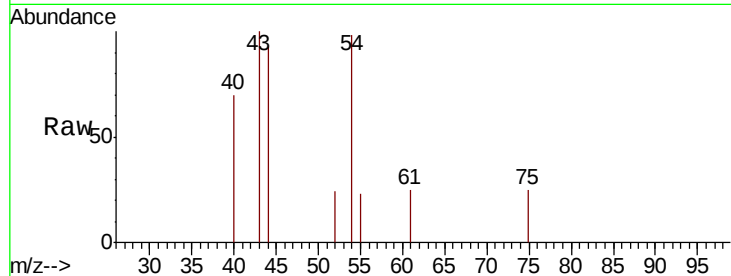




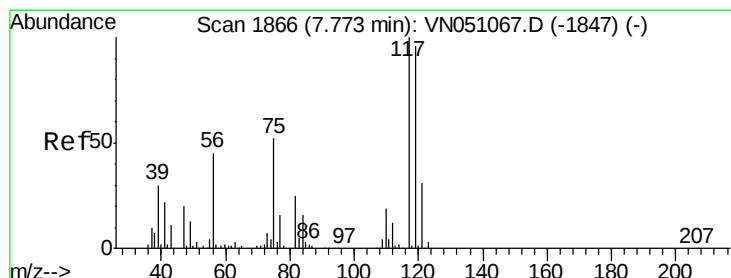
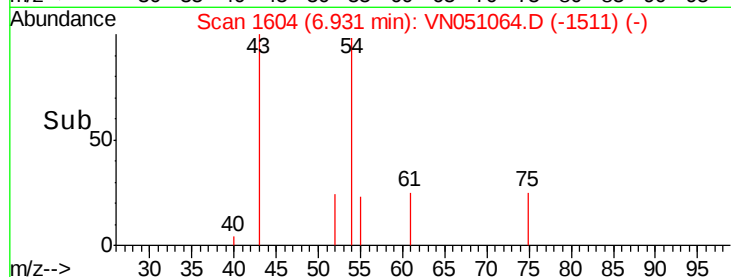
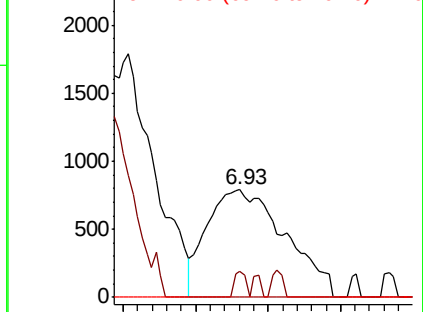
#37
Ethyl Acetate
Concen: 0.647 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 2980
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.3 13.9#

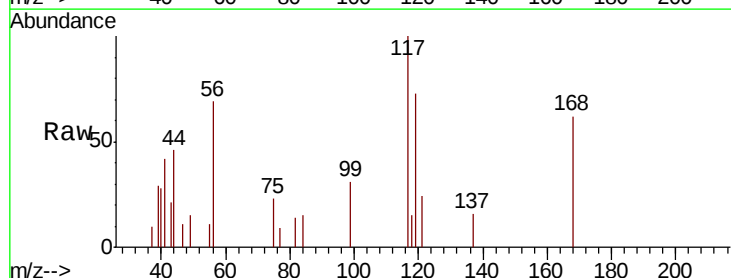


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

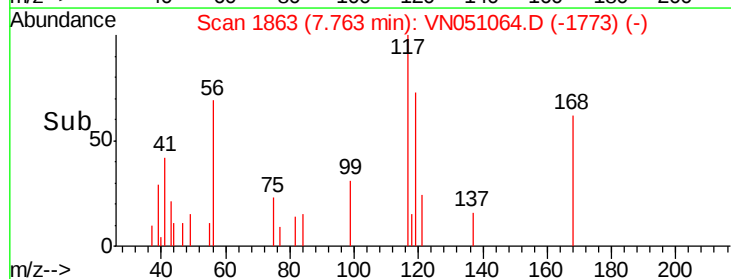
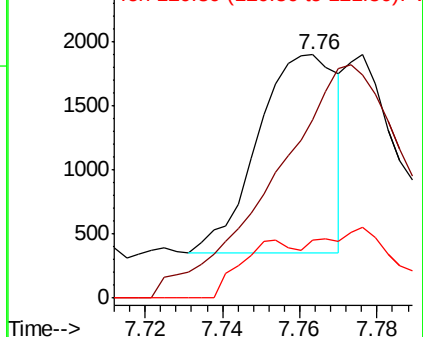


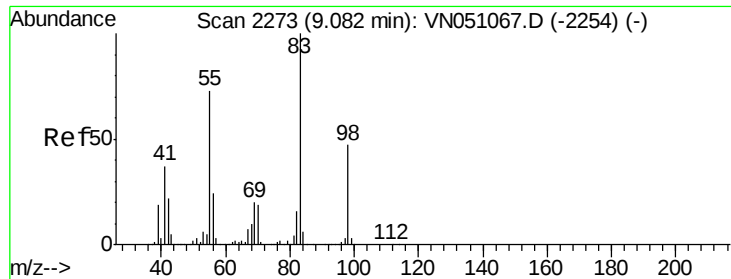
#38
Carbon Tetrachloride
Concen: 0.280 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion: 117 Resp: 2188
Ion Ratio Lower Upper
117 100
119 76.8 76.8 115.2#
121 29.1 24.6 36.8



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

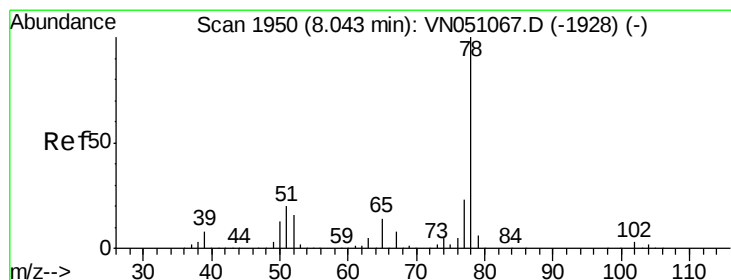
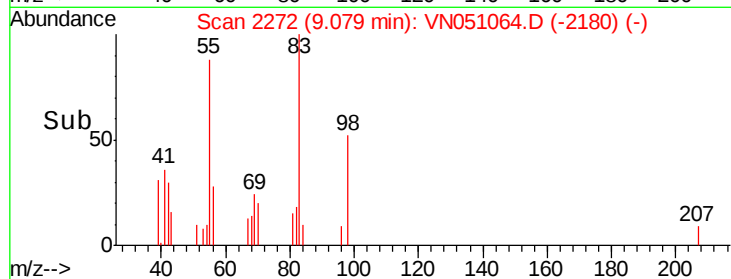
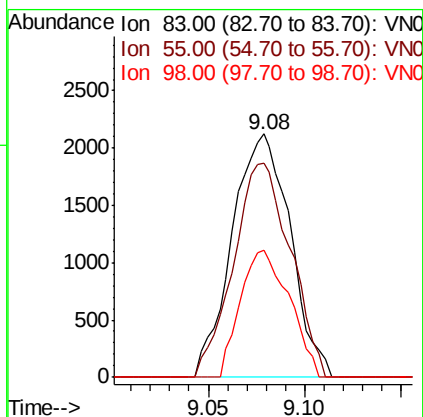
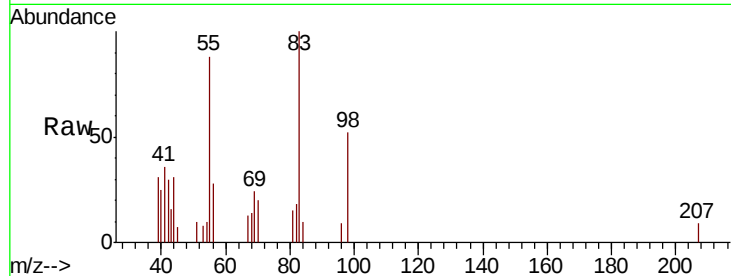




#39
Methylcyclohexane
Concen: 0.504 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

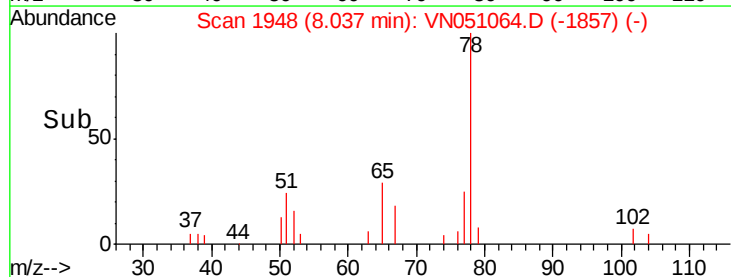
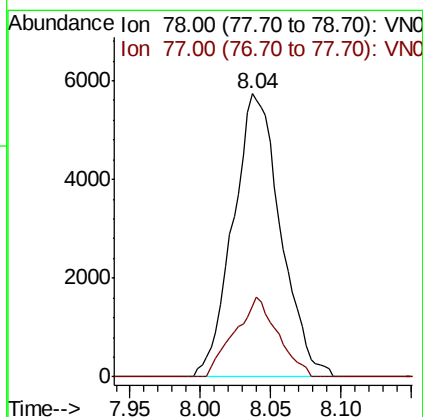
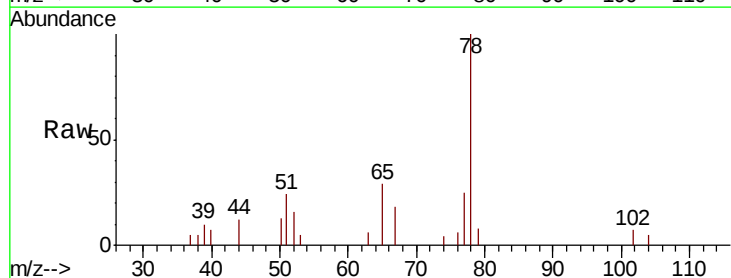
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

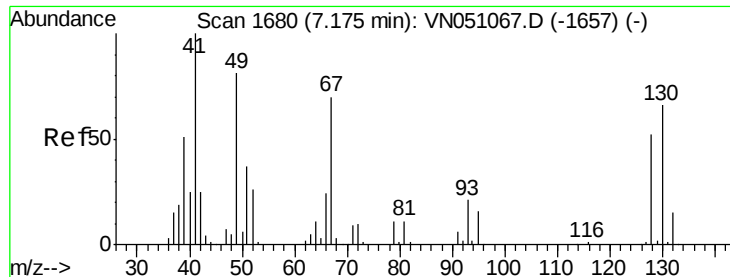
Tgt Ion: 83 Resp: 4422
Ion Ratio Lower Upper
83 100
55 87.9 58.4 87.6#
98 52.4 37.3 55.9



#40
Benzene
Concen: 0.566 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.01 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion: 78 Resp: 13559
Ion Ratio Lower Upper
78 100
77 25.2 18.6 27.8





#41

Methacrylonitrile

Concen: 0.337 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 41 Resp: 801

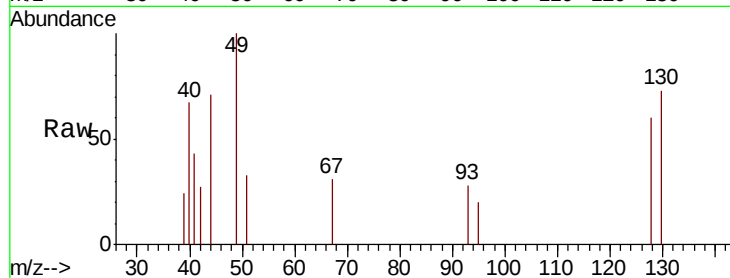
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.5 117.7#

52 12.6 29.0 43.6#

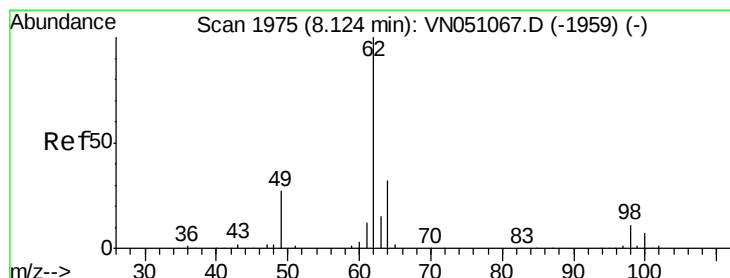
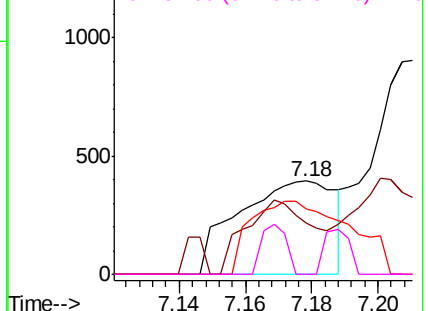
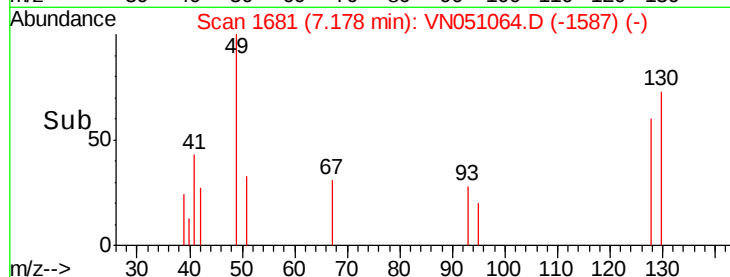


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 0.582 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. -0.01 min

Lab File: VN051064.D

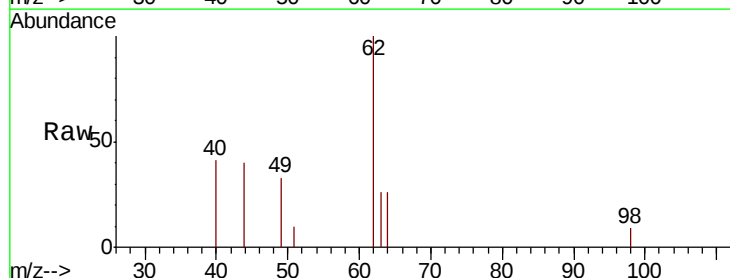
Acq: 10 Sep 2018 8:09

Tgt Ion: 62 Resp: 4065

Ion Ratio Lower Upper

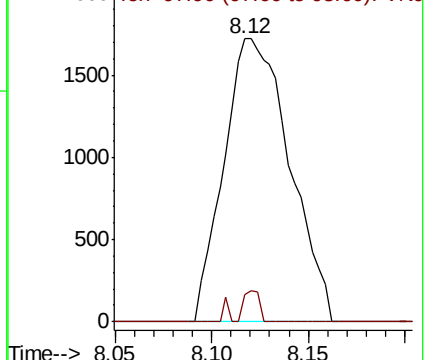
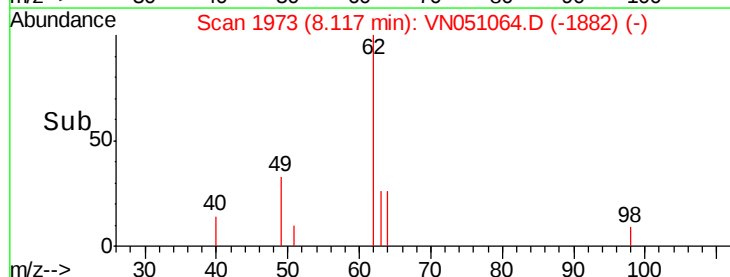
62 100

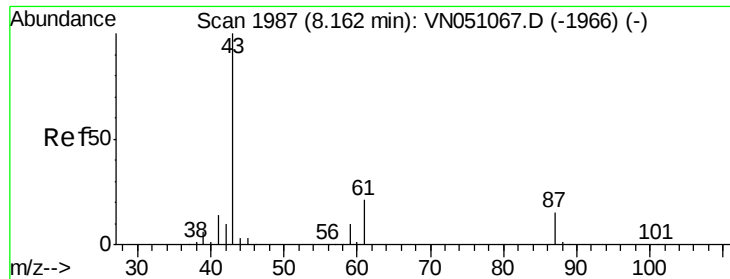
98 2.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.471 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

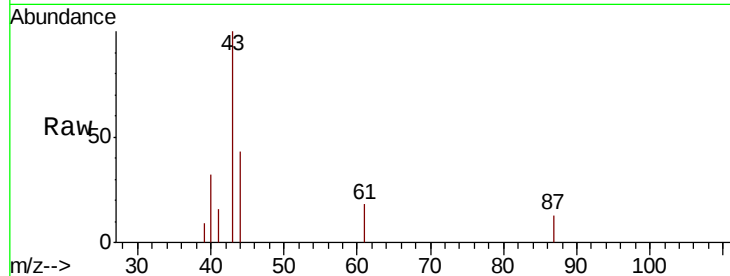
Tgt Ion: 43 Resp: 3832

Ion Ratio Lower Upper

43 100

61 14.5 25.0 37.6#

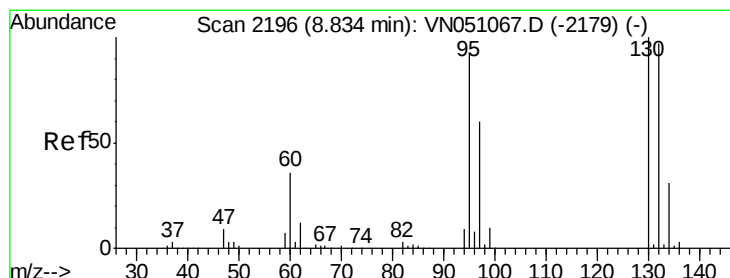
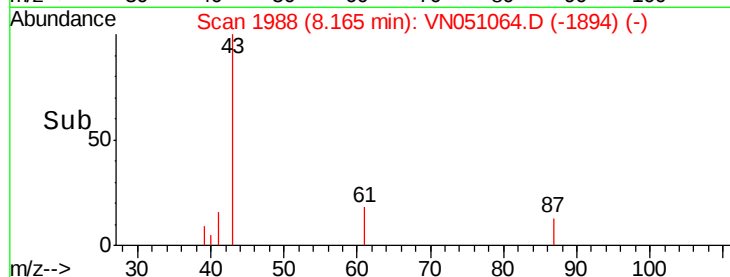
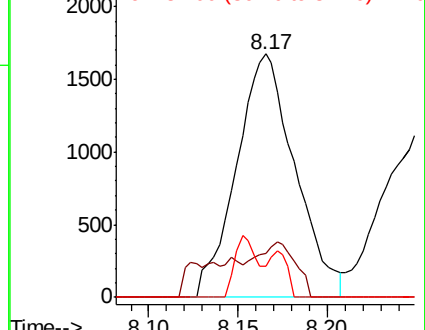
87 5.5 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 0.610 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN051064.D

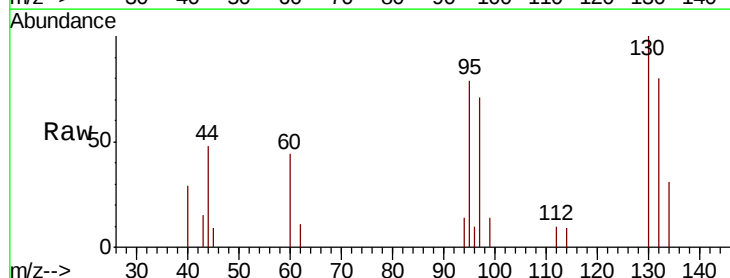
Acq: 10 Sep 2018 8:09

Tgt Ion: 130 Resp: 3998

Ion Ratio Lower Upper

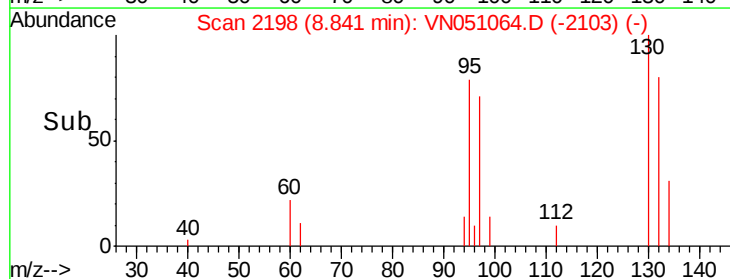
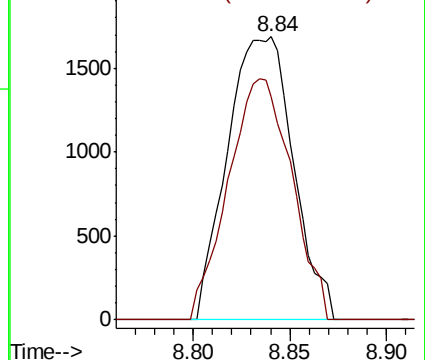
130 100

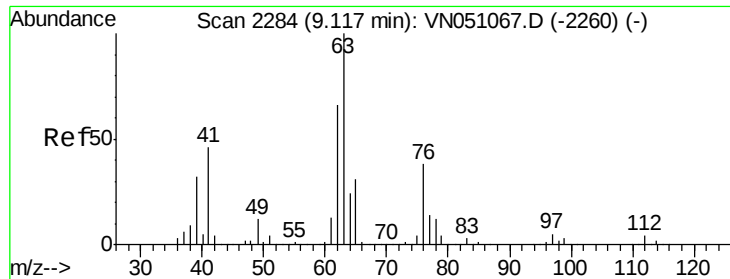
95 79.0 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

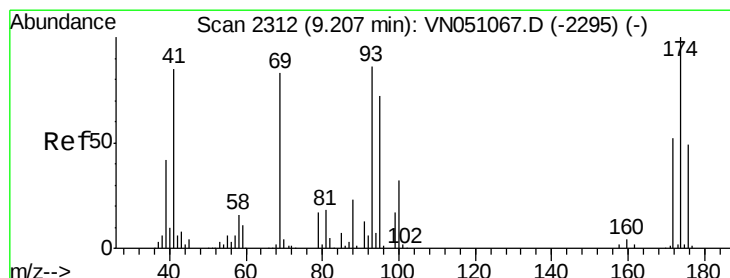
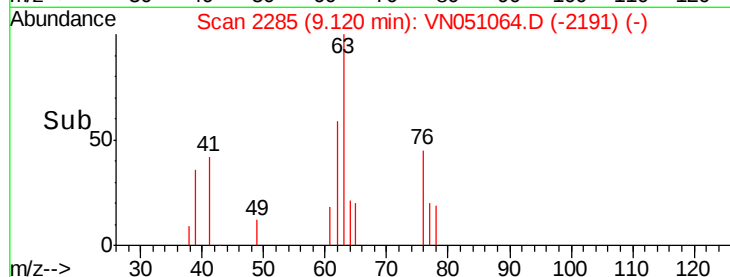
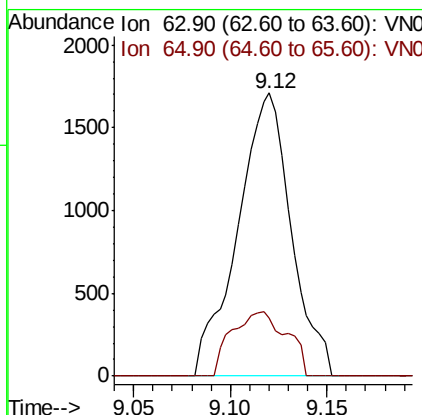
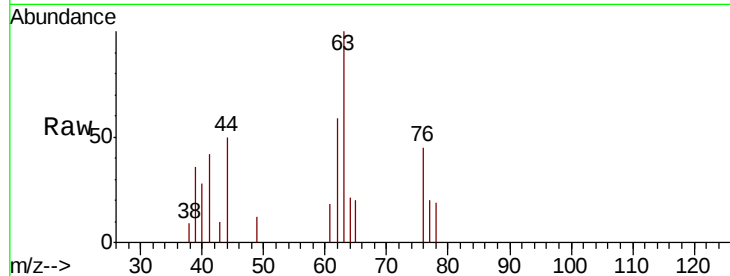




#45
 1,2-Dichloropropane
 Concen: 0.533 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

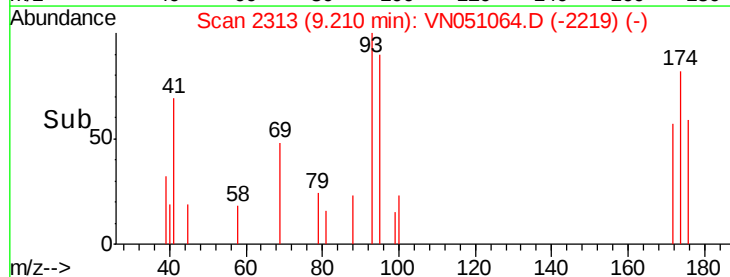
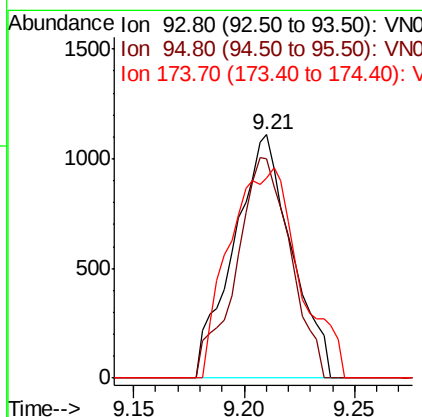
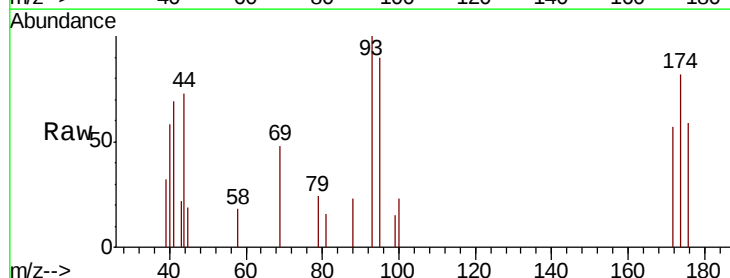
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

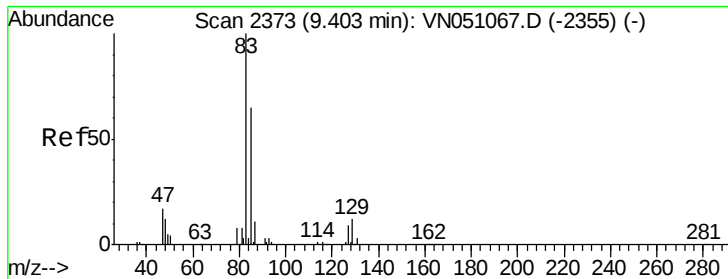
Tgt Ion: 63 Resp: 3301
 Ion Ratio Lower Upper
 63 100
 65 20.5 24.7 37.1#



#46
 Dibromomethane
 Concen: 0.534 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 93 Resp: 2017
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.8 100.2
 174 104.4 93.3 139.9





#47

Bromodichloromethane

Concen: 0.548 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

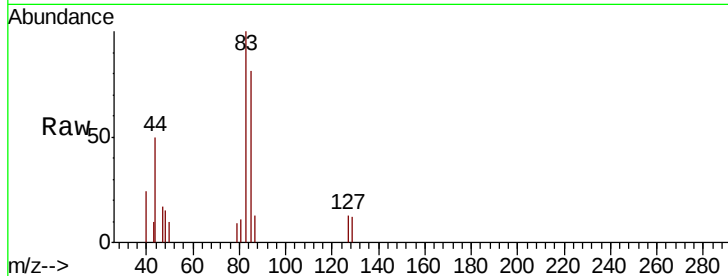
Tgt Ion: 83 Resp: 4208

Ion Ratio Lower Upper

83 100

85 80.7 52.3 78.5#

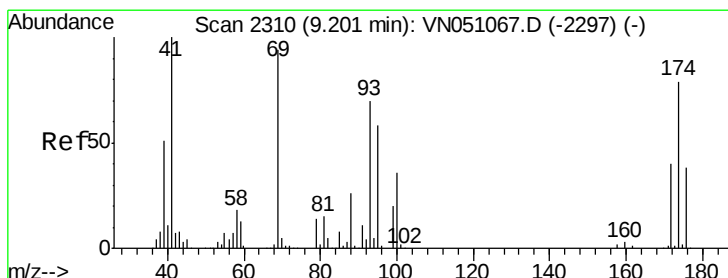
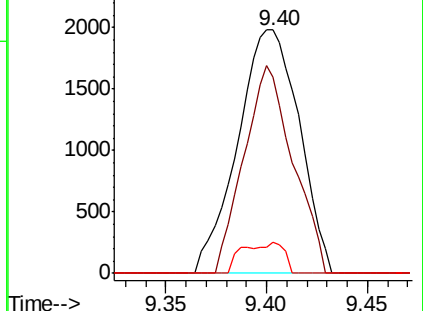
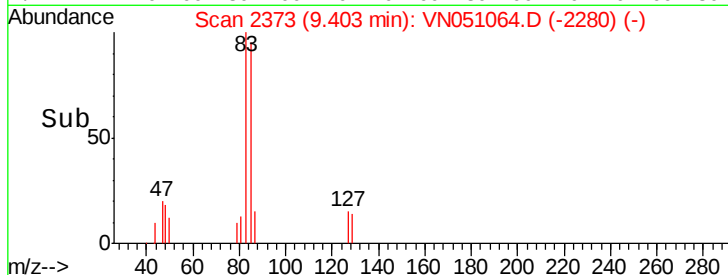
127 12.7 7.5 11.3#



Abundance Ion 82.90 (82.60 to 83.60): VN051064.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051064.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051064.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.515 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

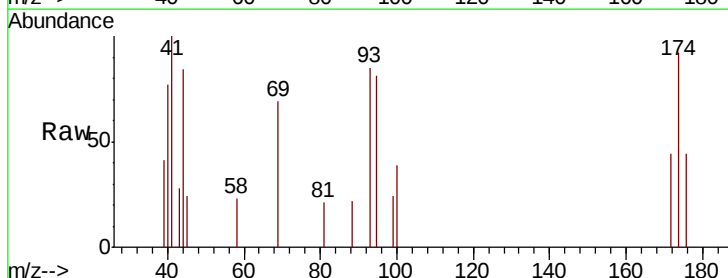
Tgt Ion: 41 Resp: 2041

Ion Ratio Lower Upper

41 100

69 73.8 77.7 116.5#

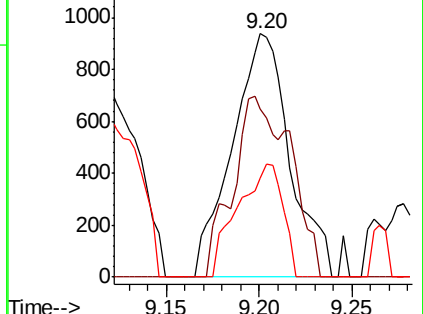
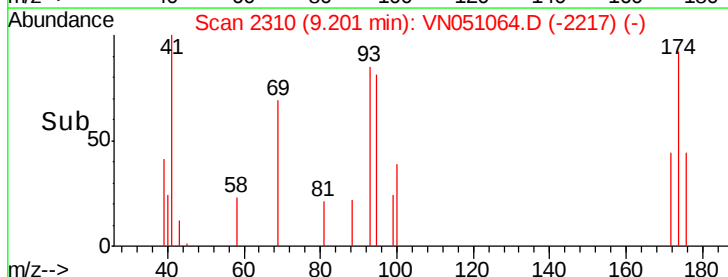
39 36.1 41.6 62.4#

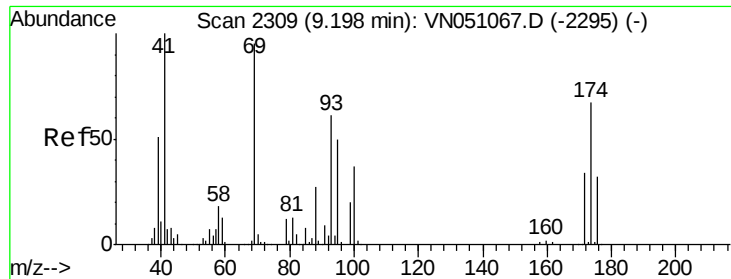


Abundance Ion 41.00 (40.70 to 41.70): VN051064.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051064.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051064.D (-2217) (-)

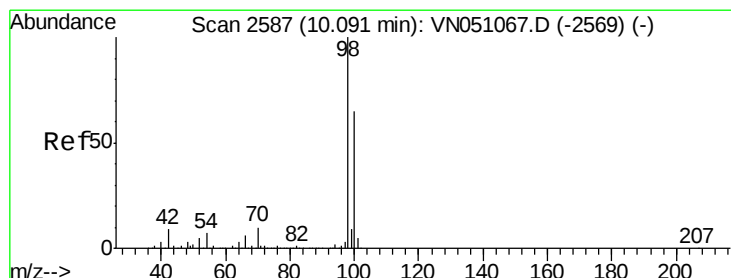
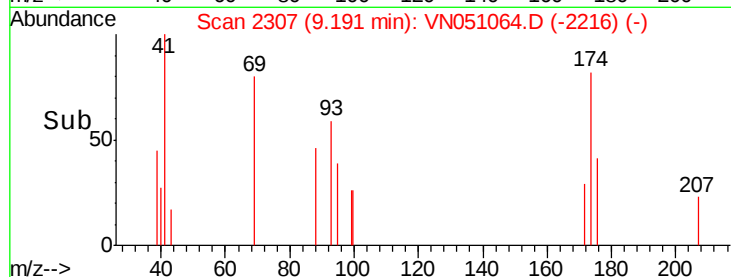
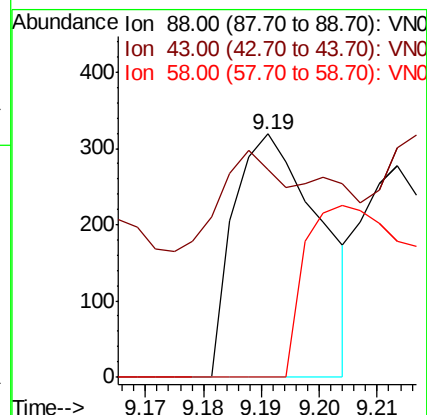
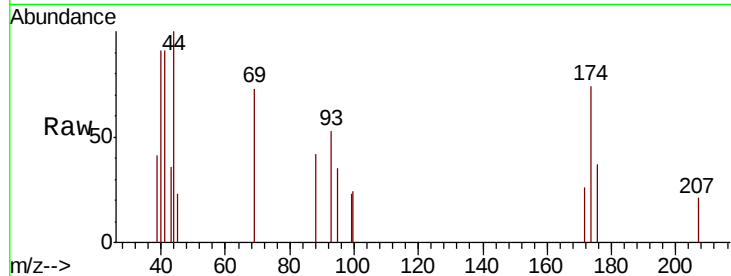




#49
1,4-Dioxane
Concen: 5.281 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

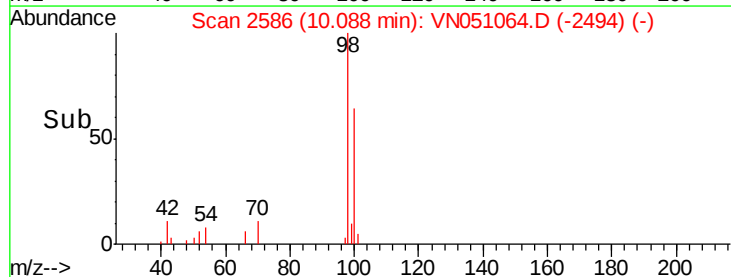
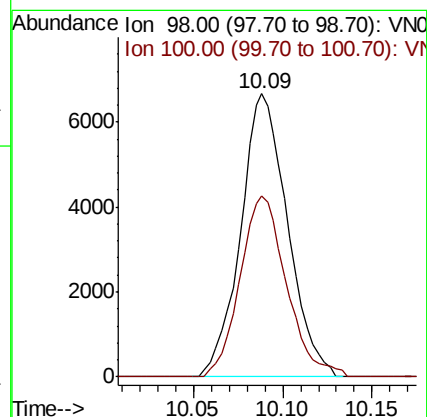
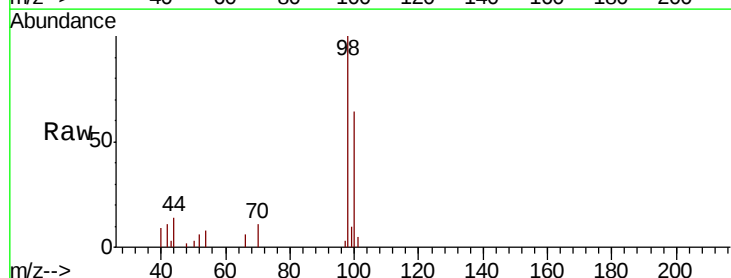
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

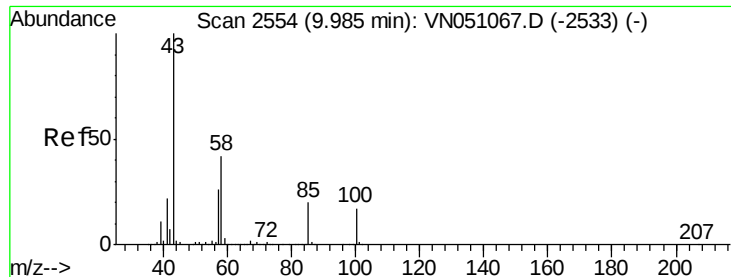
Tgt Ion: 88 Resp: 328
Ion Ratio Lower Upper
88 100
43 80.2 23.7 35.5#
58 0.0 54.6 82.0#



#50
Toluene-d8
Concen: 0.591 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion: 98 Resp: 12214
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

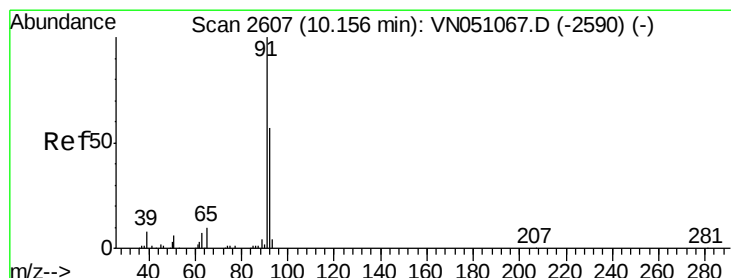
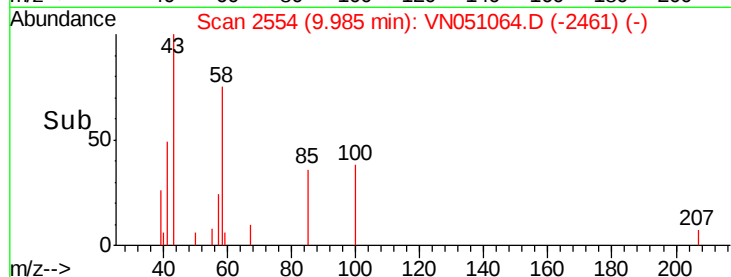
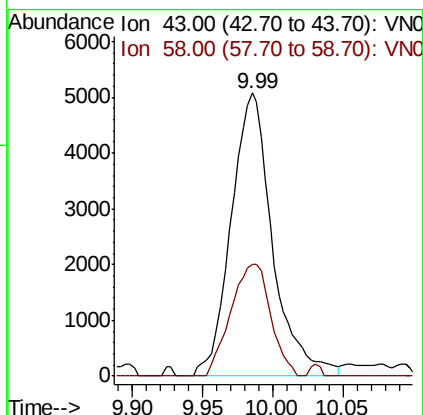
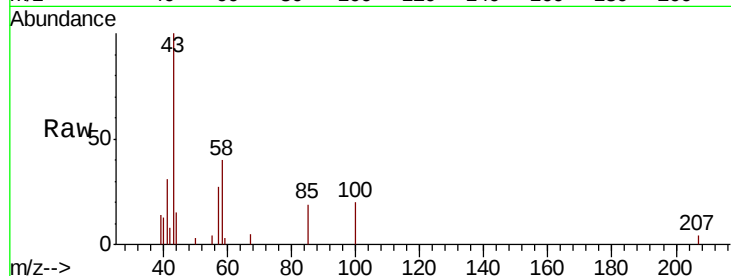




#51
 4-Methyl-2-Pentanone
 Concen: 2.319 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

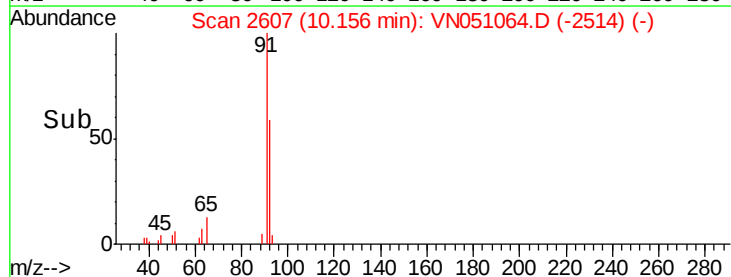
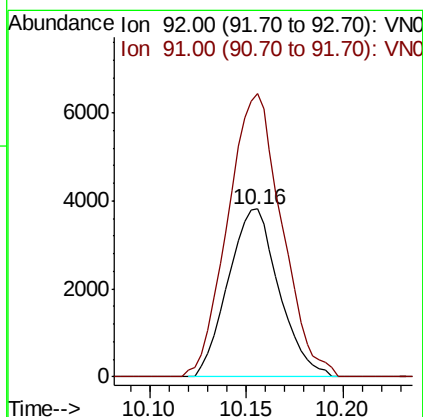
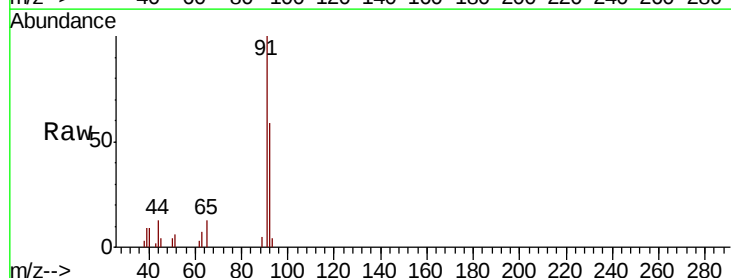
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

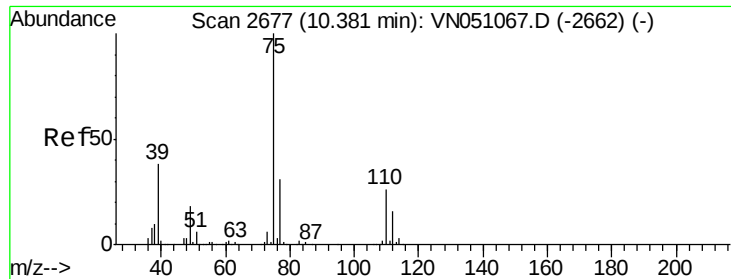
Tgt Ion: 43 Resp: 10423
 Ion Ratio Lower Upper
 43 100
 58 38.1 33.5 50.3



#52
 Toluene
 Concen: 0.477 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 92 Resp: 6975
 Ion Ratio Lower Upper
 92 100
 91 179.1 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 0.410 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

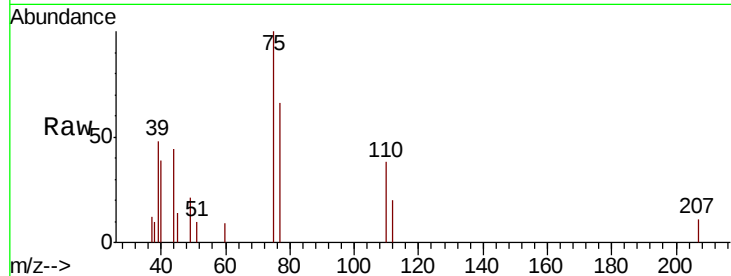
VSTDIC001

Tgt Ion: 75 Resp: 3151

Ion Ratio Lower Upper

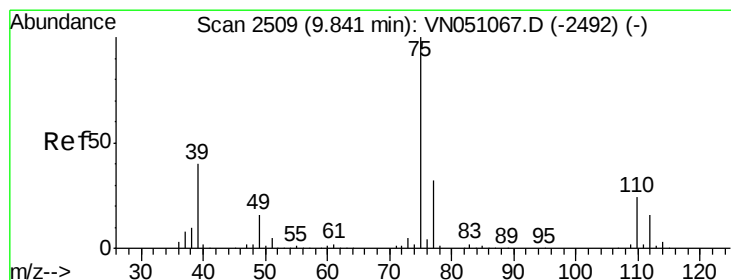
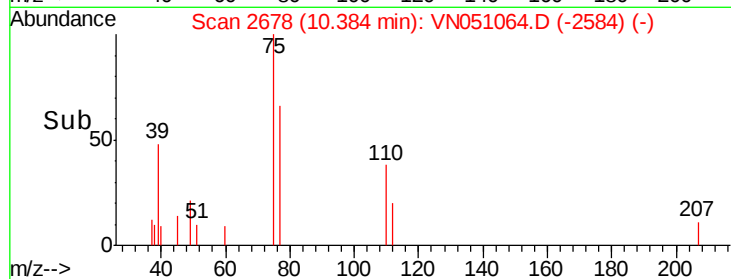
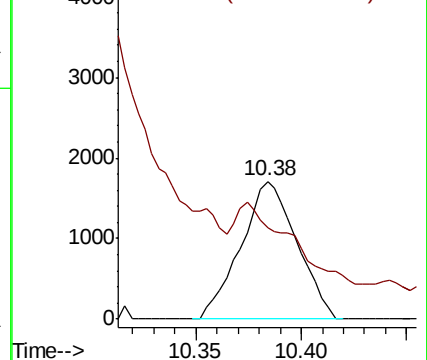
75 100

77 33.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.475 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

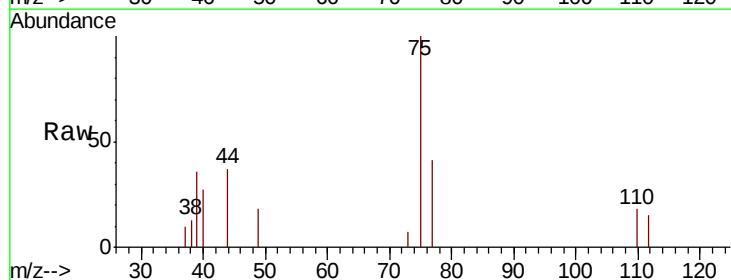
Tgt Ion: 75 Resp: 4282

Ion Ratio Lower Upper

75 100

77 41.3 25.7 38.5#

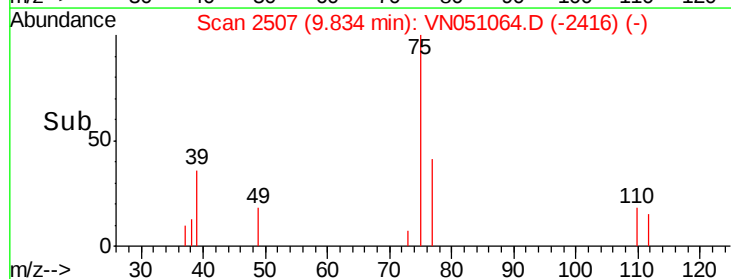
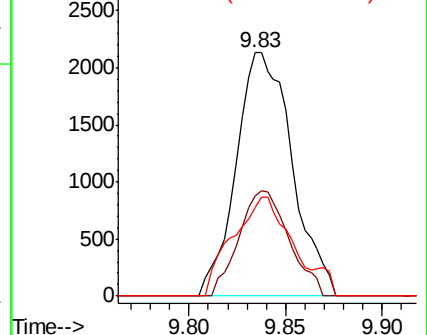
39 36.3 31.9 47.9

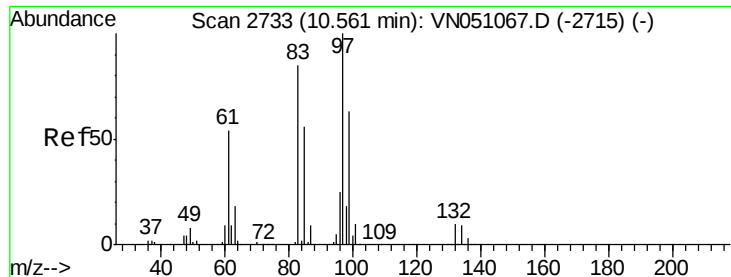


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

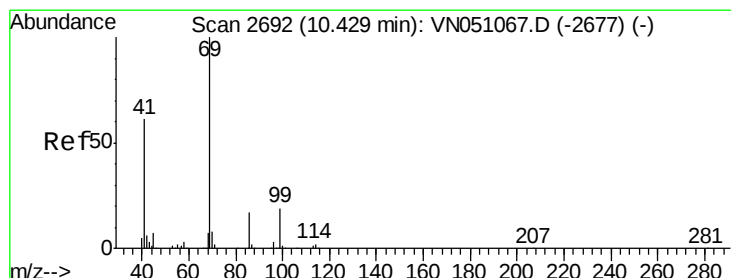
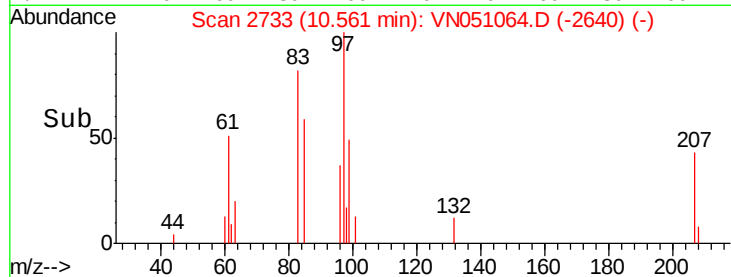
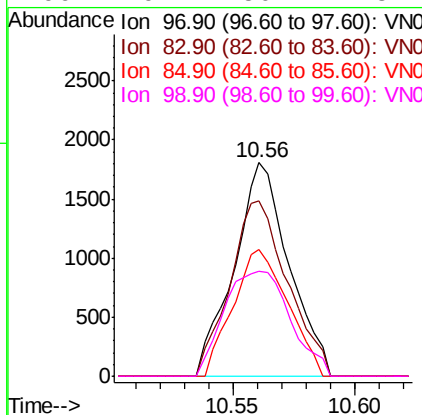
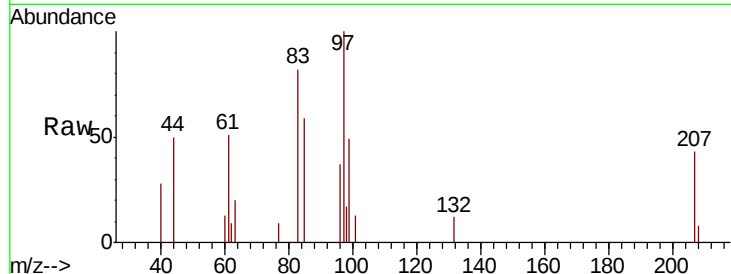




#55
 1,1,2-Trichloroethane
 Concen: 0.531 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

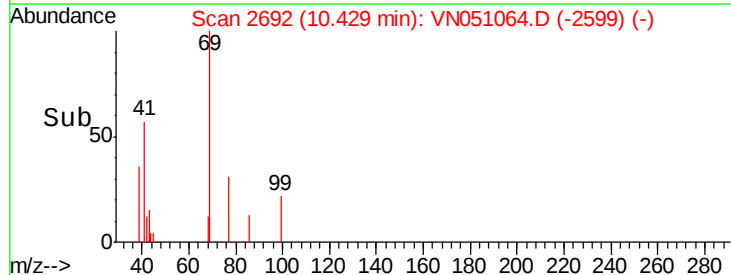
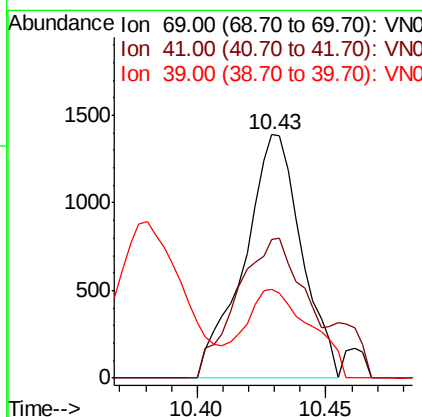
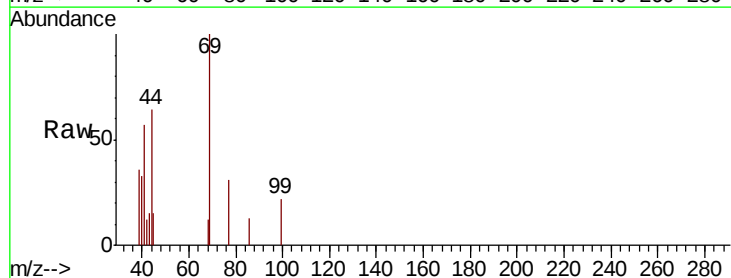
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

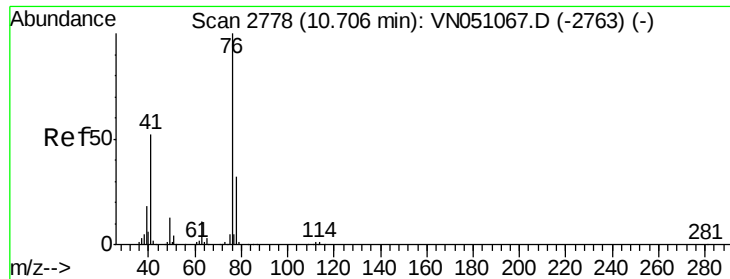
Tgt Ion: 97 Resp: 2818
 Ion Ratio Lower Upper
 97 100
 83 81.9 68.2 102.2
 85 59.2 44.8 67.2
 99 49.1 50.2 75.4#



#56
 Ethyl methacrylate
 Concen: 0.339 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 69 Resp: 2154
 Ion Ratio Lower Upper
 69 100
 41 69.8 47.8 71.8
 39 42.0 23.0 34.4#

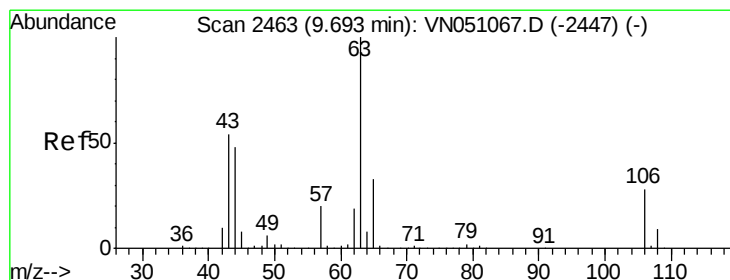
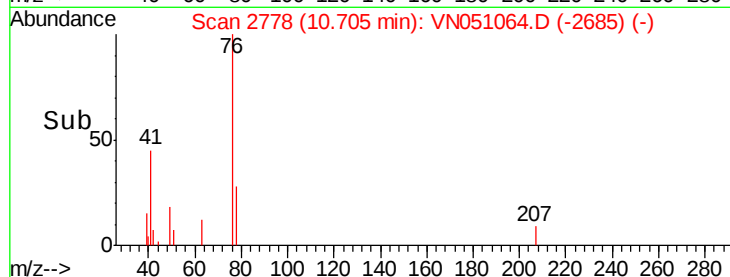
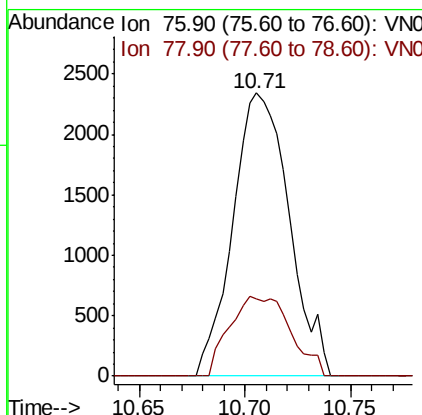
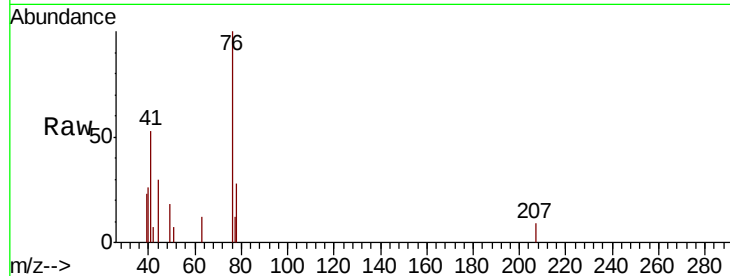




#57
 1,3-Dichloropropane
 Concen: 0.495 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

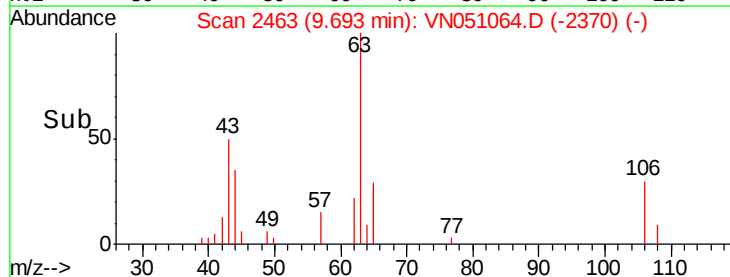
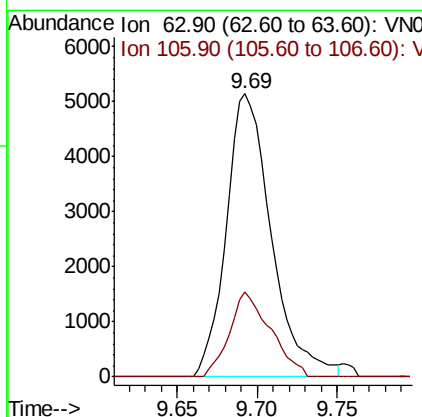
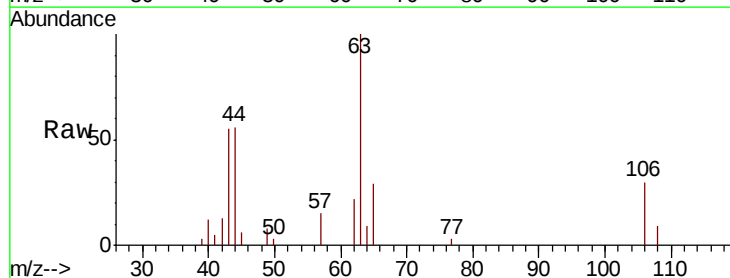
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

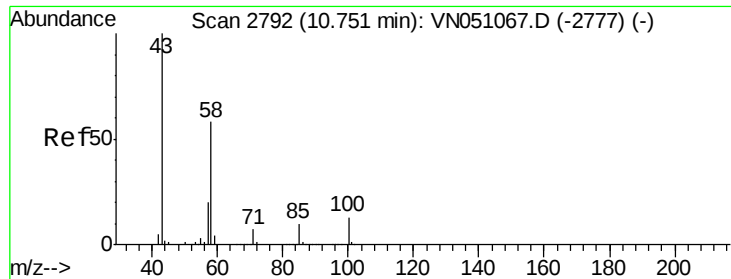
Tgt Ion: 76 Resp: 4356
 Ion Ratio Lower Upper
 76 100
 78 30.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.823 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 63 Resp: 9928
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.5 33.7

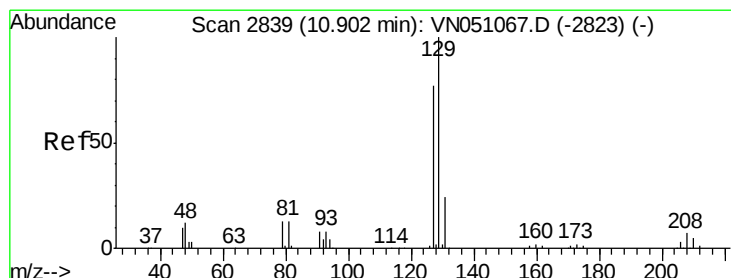
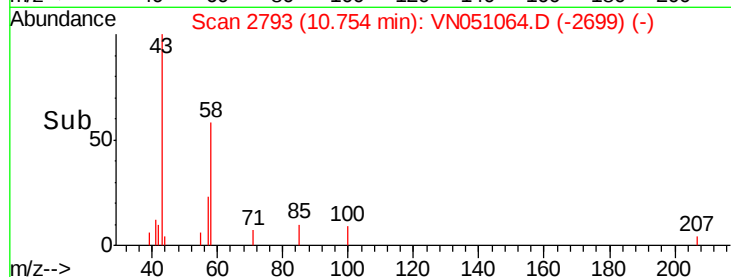
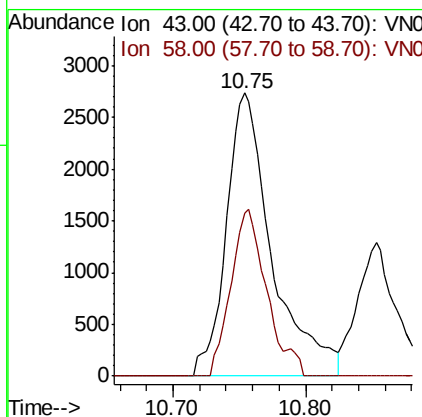
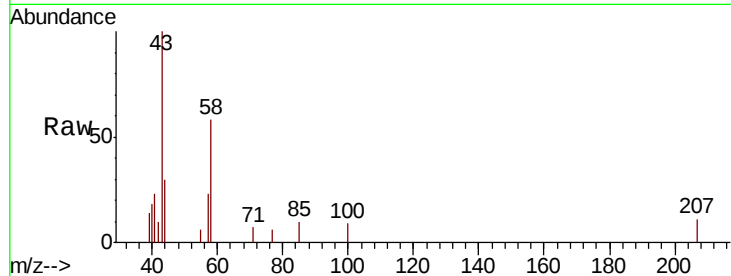




#59
2-Hexanone
Concen: 2.143 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

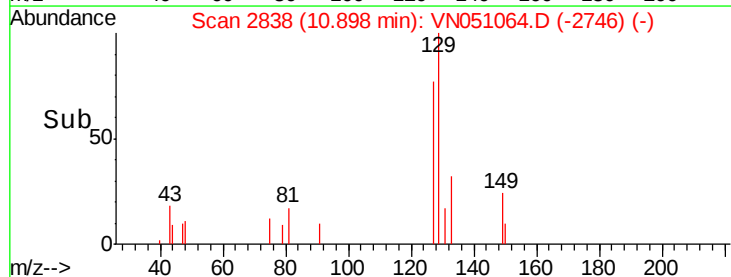
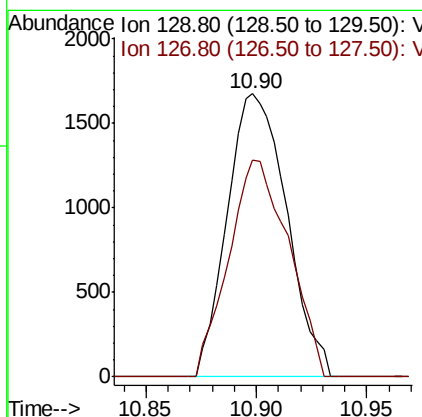
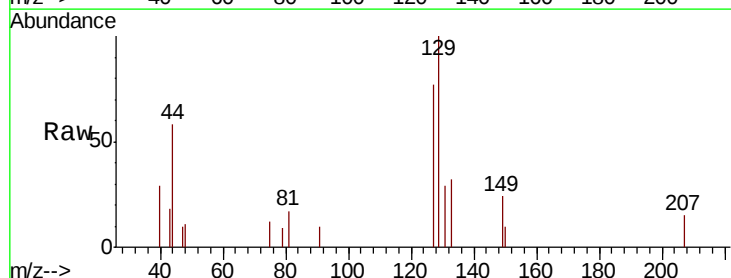
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

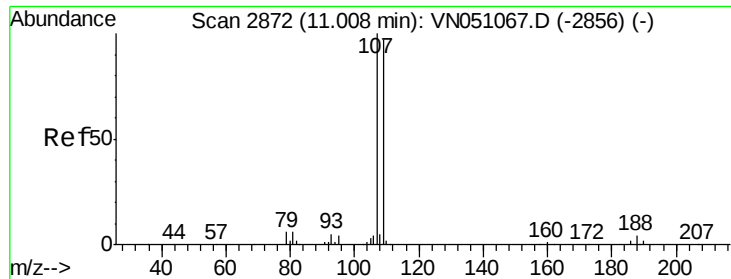
Tgt Ion: 43 Resp: 6531
Ion Ratio Lower Upper
43 100
58 46.2 29.3 88.0



#60
Dibromochloromethane
Concen: 0.524 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion: 129 Resp: 3137
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

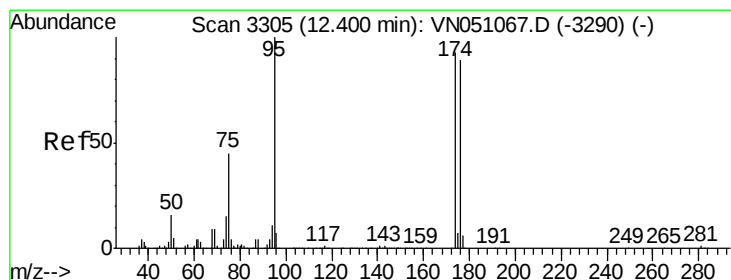
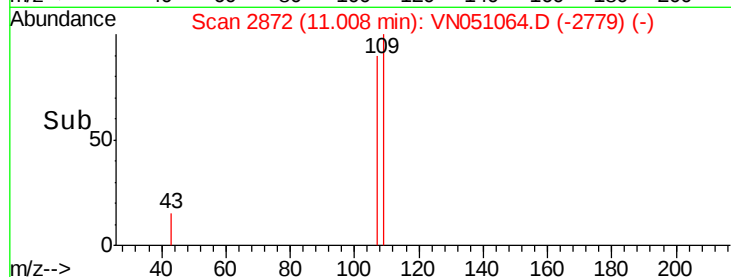
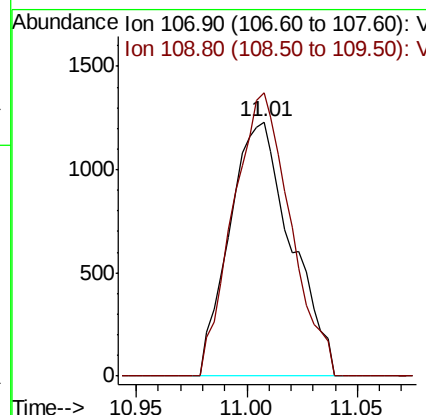
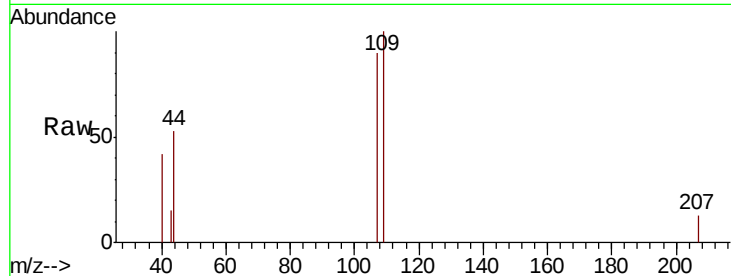




#61
 1,2-Dibromoethane
 Concen: 0.460 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

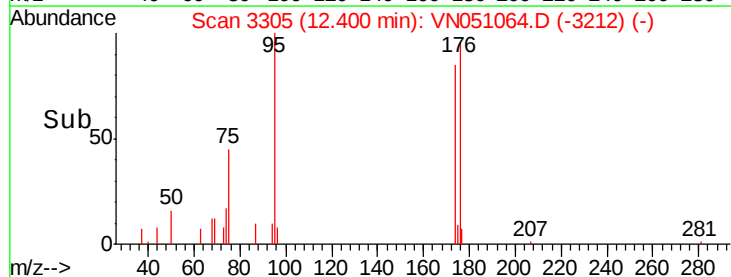
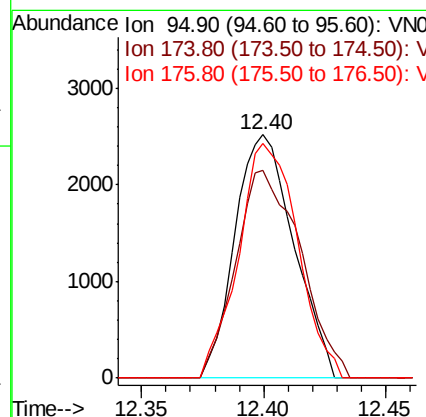
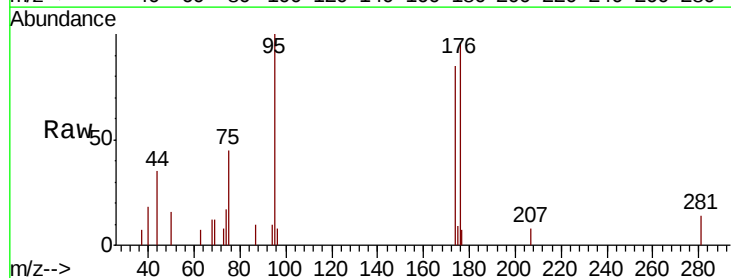
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

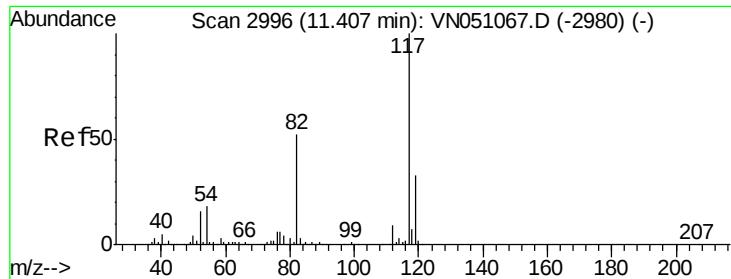
Tgt Ion: 107 Resp: 2388
 Ion Ratio Lower Upper
 107 100
 109 103.7 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 0.618 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 95 Resp: 4222
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 184.8
 176 96.8 0.0 178.6

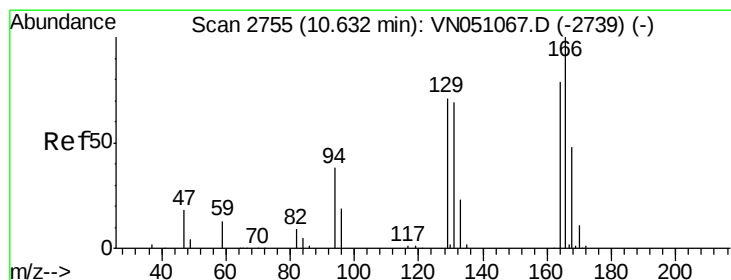
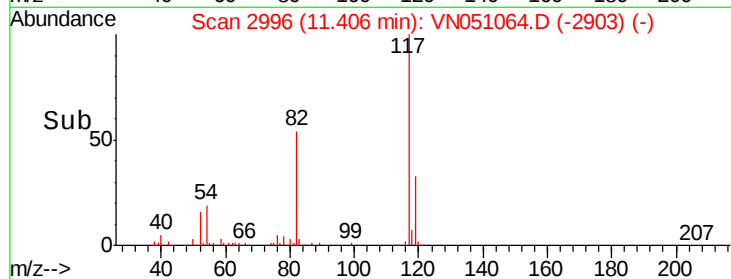
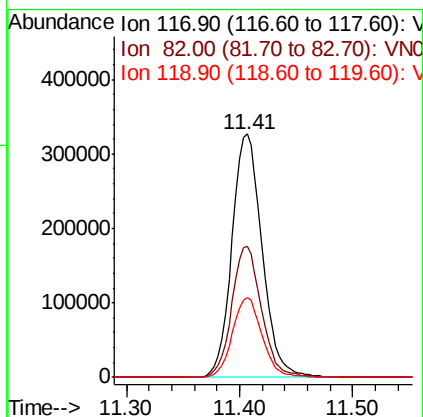
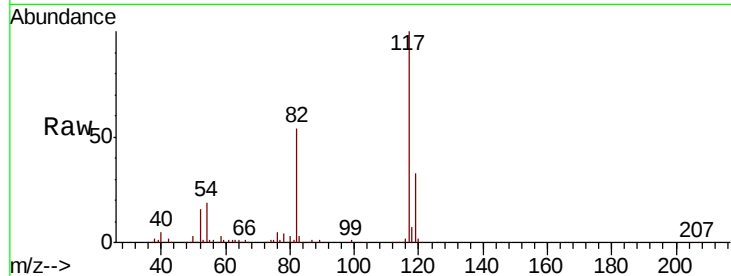




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

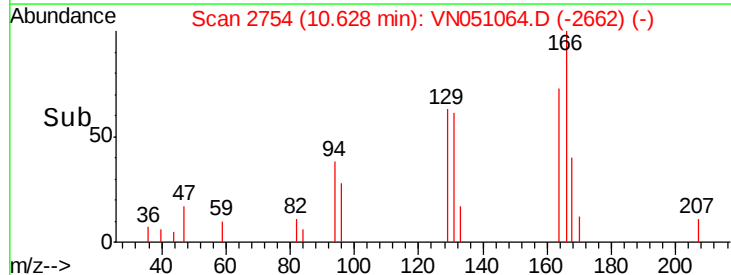
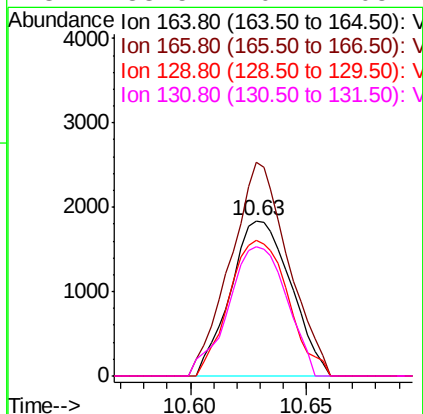
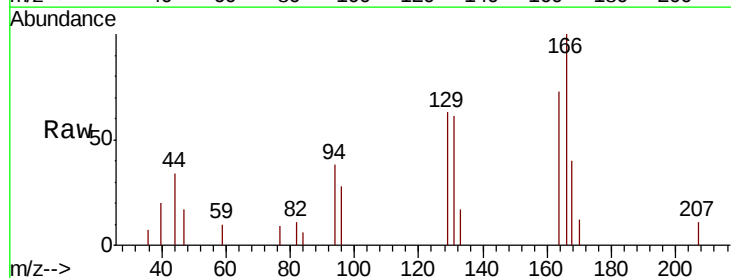
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

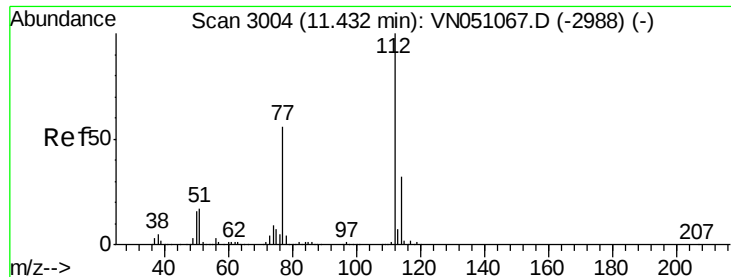
Tgt Ion:117 Resp: 606667
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.6
119 32.9 26.2 39.2



#64
Tetrachloroethene
Concen: 0.601 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion:164 Resp: 3326
Ion Ratio Lower Upper
164 100
166 137.8 101.3 151.9
129 87.5 72.2 108.2
131 83.5 70.2 105.2





#65

Chlorobenzene

Concen: 0.533 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

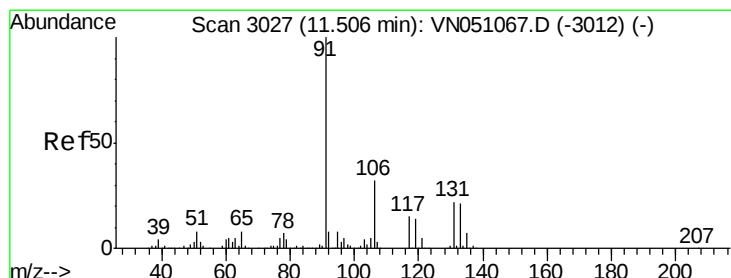
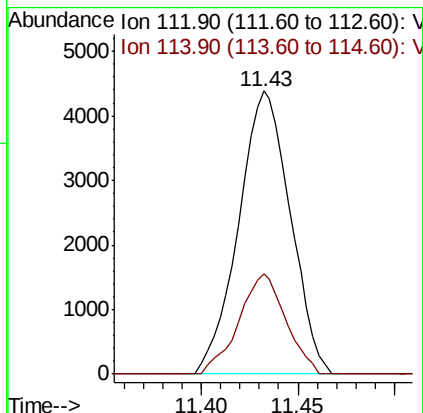
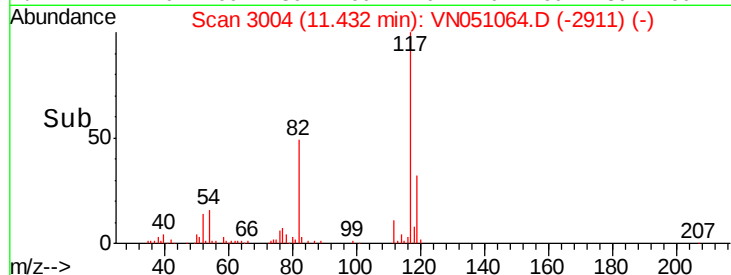
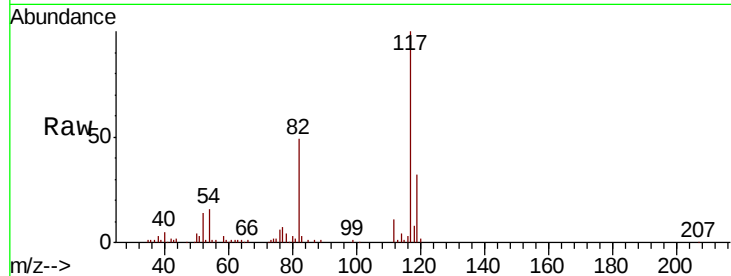
VSTDIC001

Tgt Ion:112 Resp: 8155

Ion Ratio Lower Upper

112 100

114 35.6 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 0.593 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

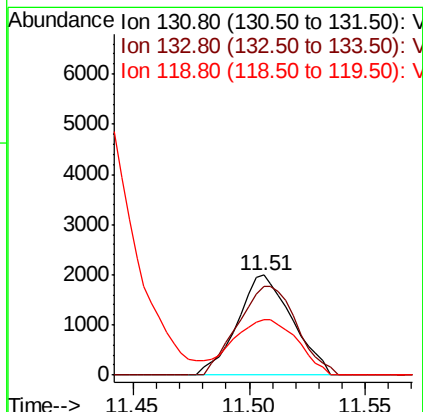
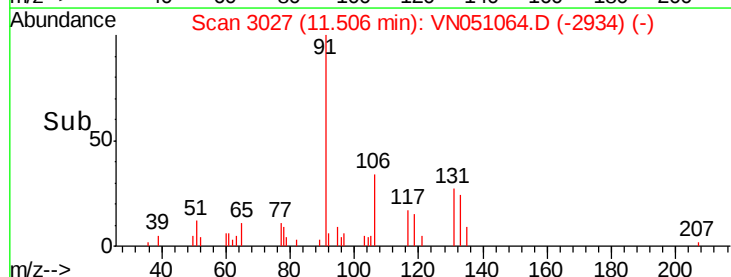
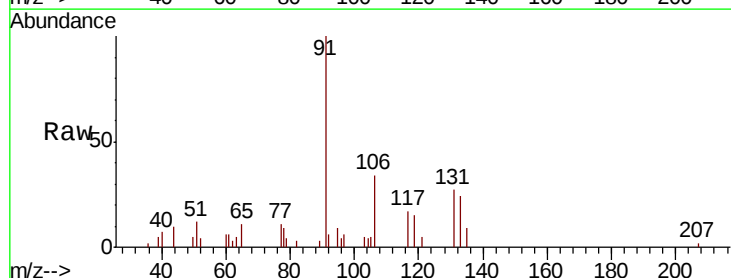
Tgt Ion:131 Resp: 3264

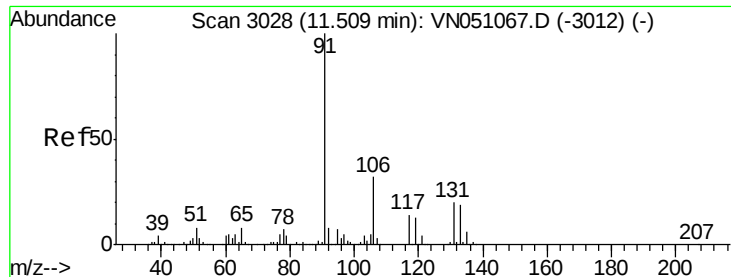
Ion Ratio Lower Upper

131 100

133 95.9 47.5 142.6

119 0.0 33.2 99.6#

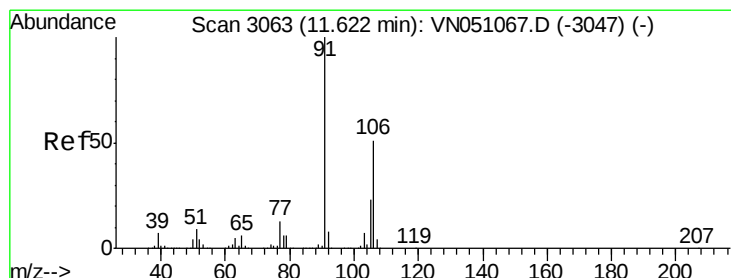
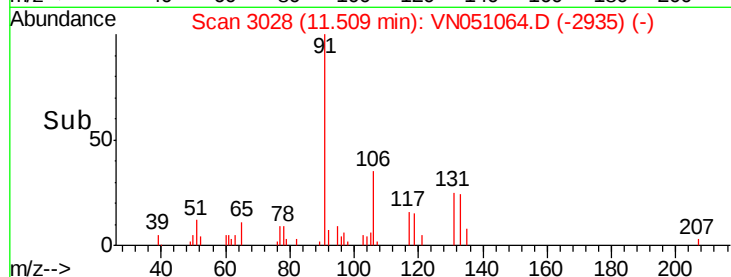
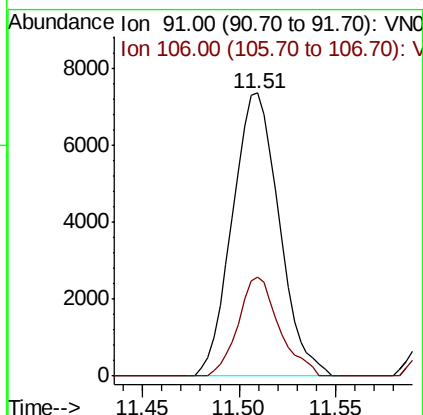
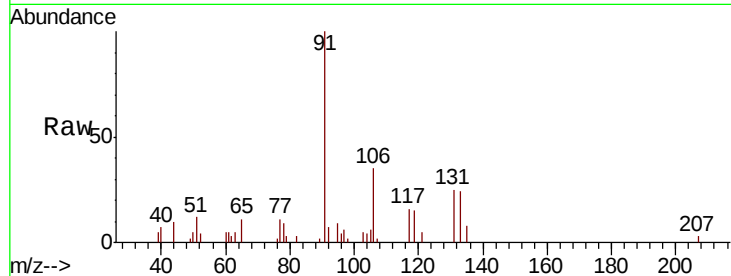




#67
Ethyl Benzene
Concen: 0.501 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

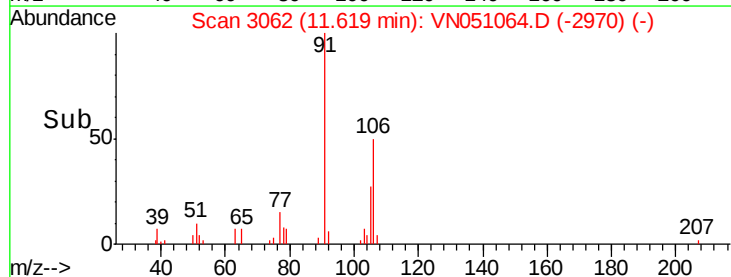
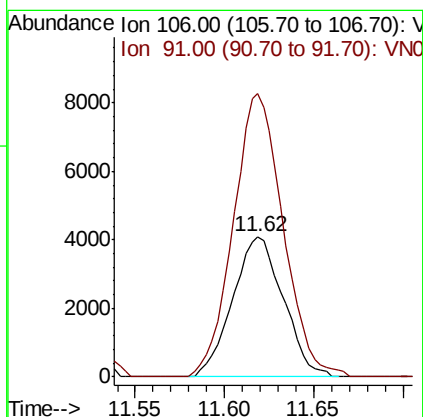
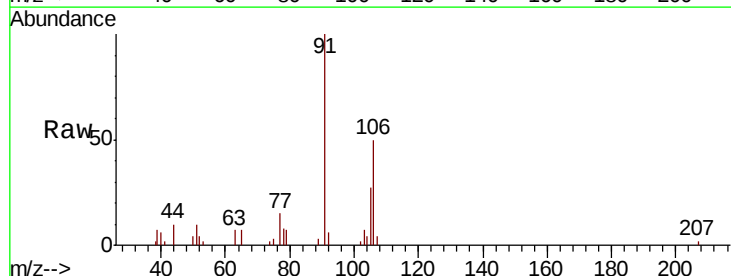
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

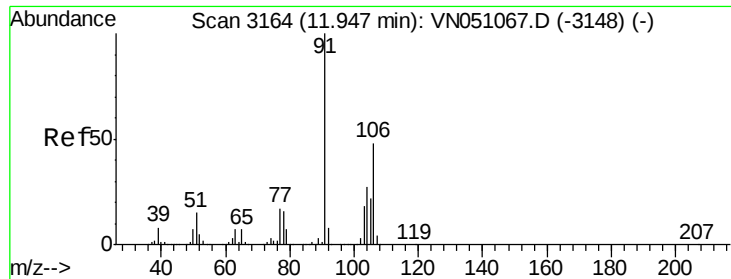
Tgt Ion: 91 Resp: 12417
Ion Ratio Lower Upper
91 100
106 35.1 25.4 38.2



#68
m/p-Xylenes
Concen: 0.853 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion: 106 Resp: 8118
Ion Ratio Lower Upper
106 100
91 198.3 159.8 239.6

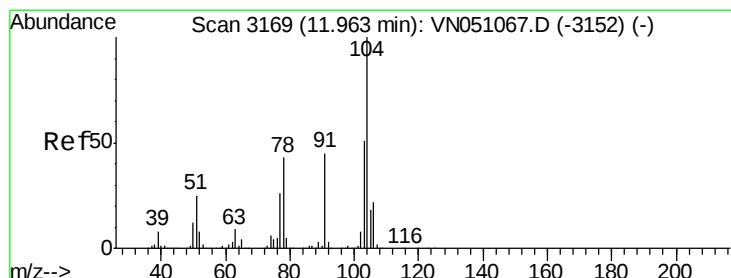
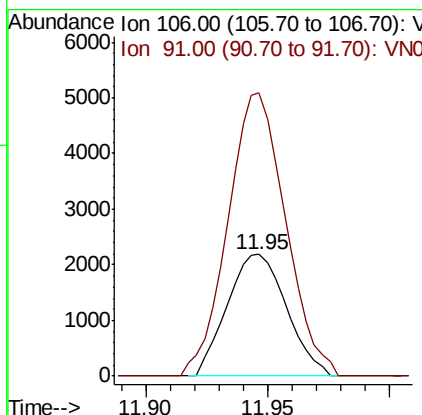
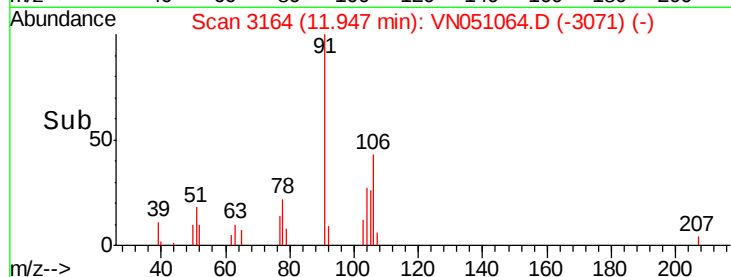
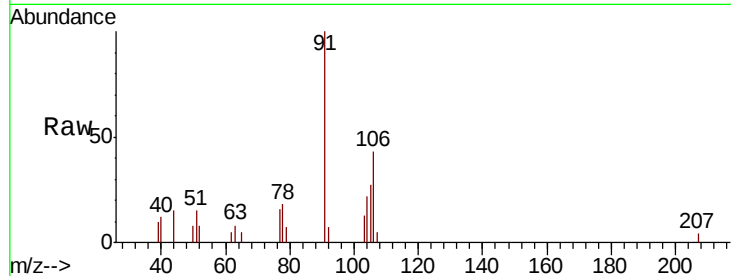




#69
o-Xylene
Concen: 0.401 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

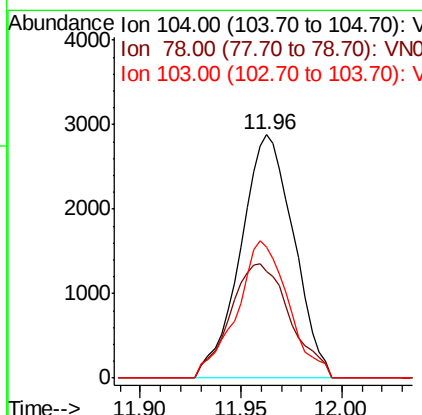
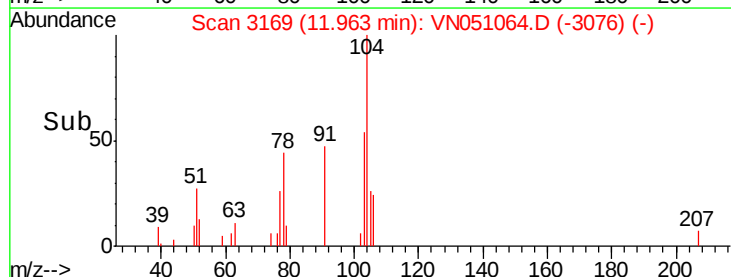
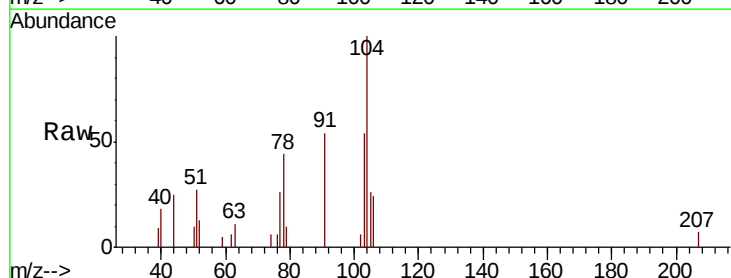
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

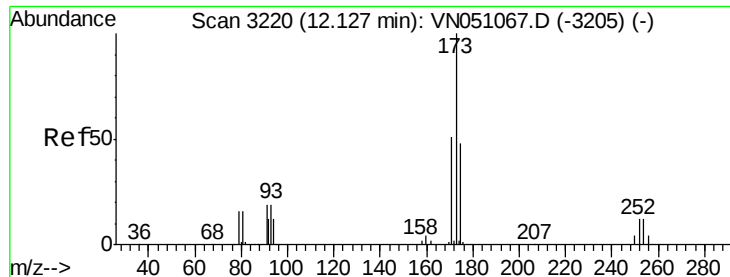
Tgt Ion:106 Resp: 3695
Ion Ratio Lower Upper
106 100
91 225.8 105.1 315.1



#70
Styrene
Concen: 0.370 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051064.D
Acq: 10 Sep 2018 8:09

Tgt Ion:104 Resp: 5288
Ion Ratio Lower Upper
104 100
78 53.0 37.7 56.5
103 55.0 44.6 67.0





#71

Bromoform

Concen: 0.499 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

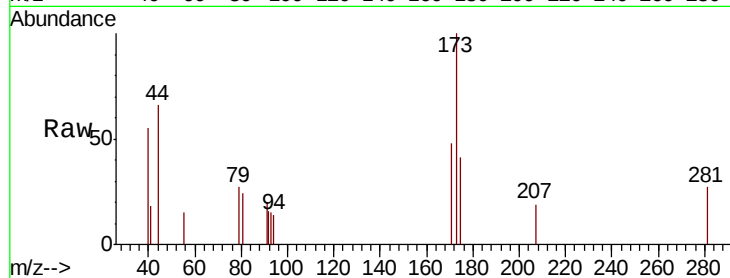
Tgt Ion:173 Resp: 1933

Ion Ratio Lower Upper

173 100

175 38.6 24.3 72.9

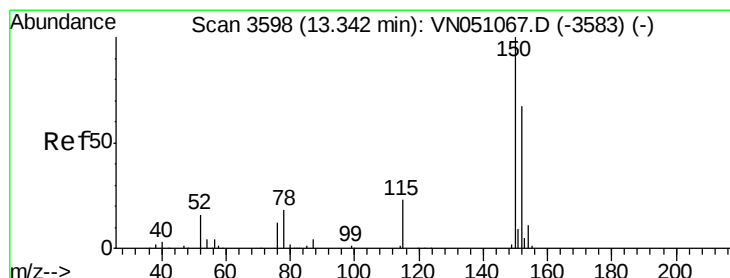
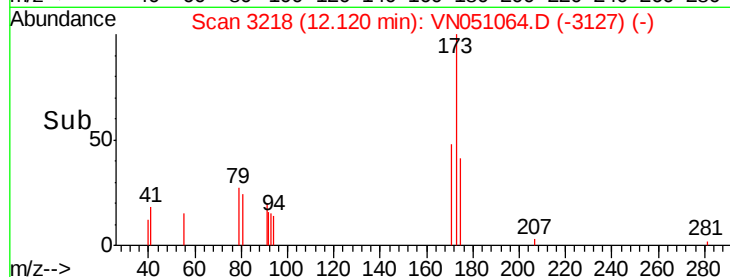
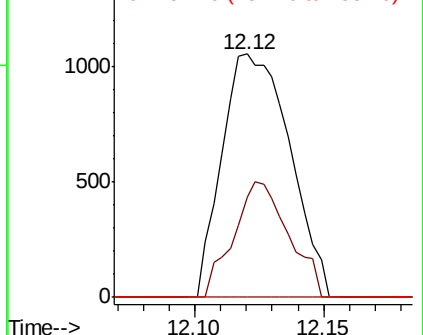
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

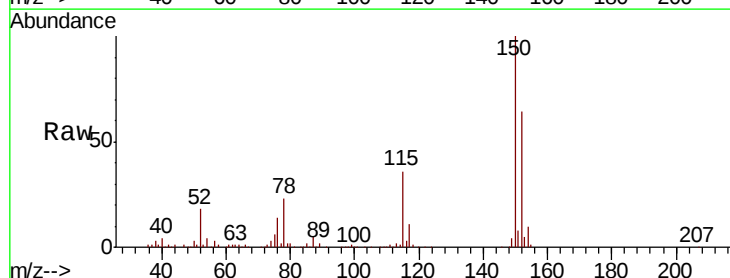
Tgt Ion:152 Resp: 204150

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

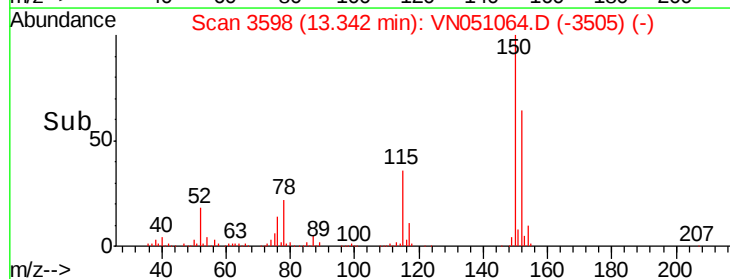
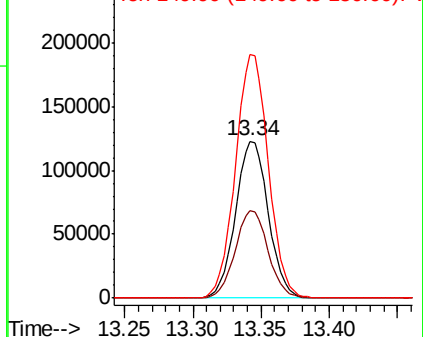
150 156.2 0.0 349.0

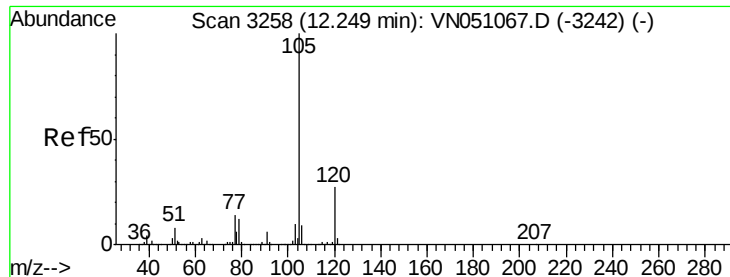


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.587 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

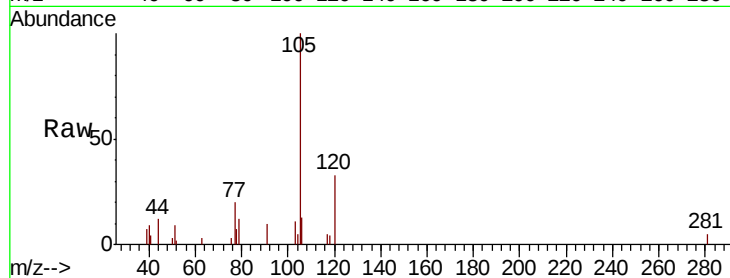
VSTDIC001

Tgt Ion: 105 Resp: 10047

Ion Ratio Lower Upper

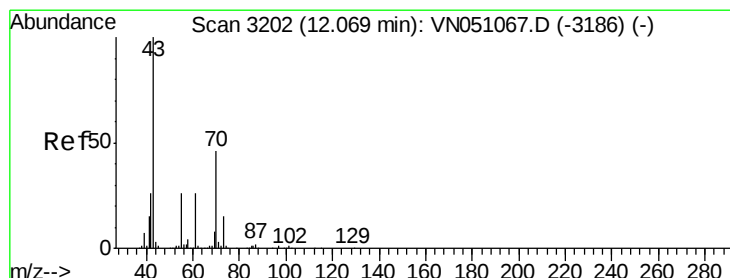
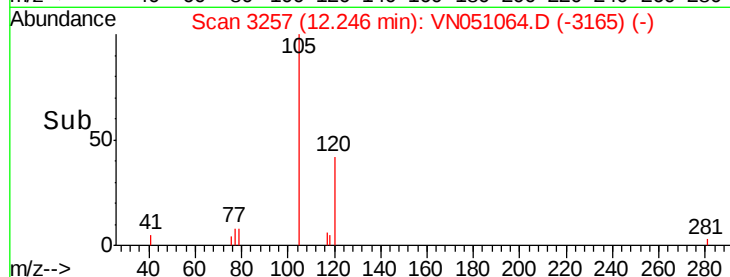
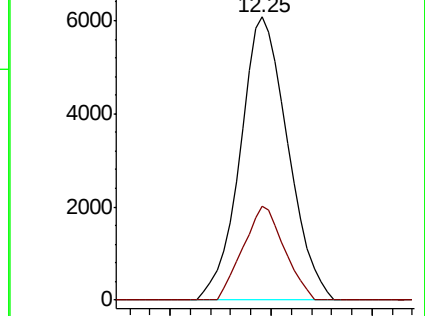
105 100

120 28.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.453 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Tgt Ion: 43 Resp: 1951

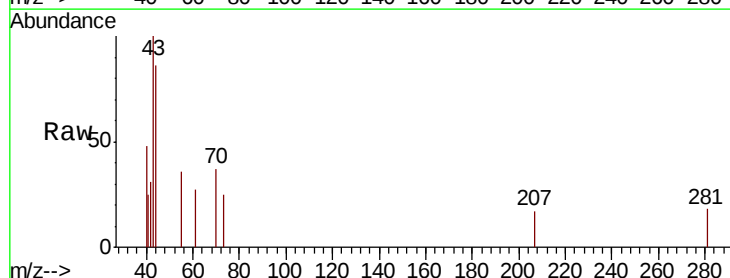
Ion Ratio Lower Upper

43 100

70 37.6 37.0 55.4

55 26.8 21.3 31.9

61 19.0 20.7 31.1#

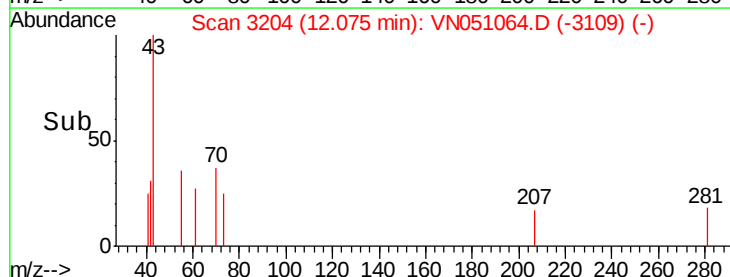
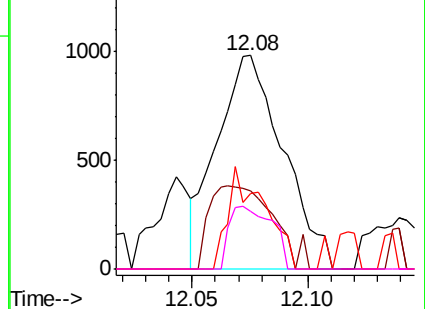


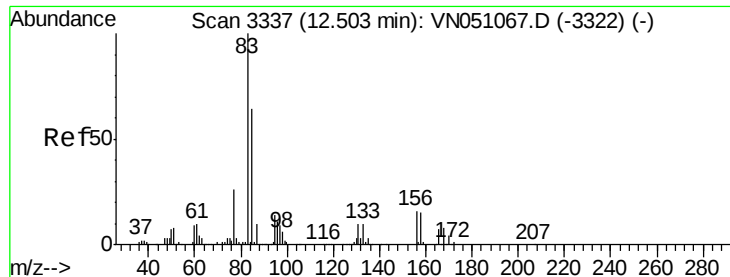
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.743 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

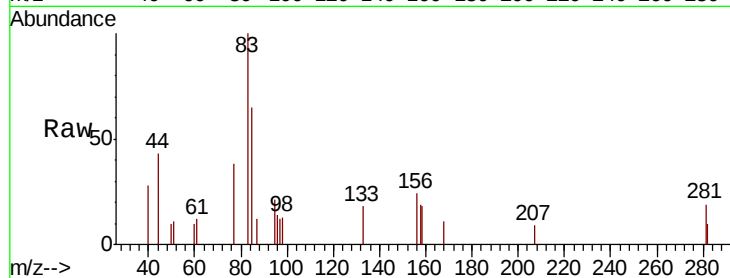
Tgt Ion: 83 Resp: 3388

Ion Ratio Lower Upper

83 100

131 5.7 5.3 16.1

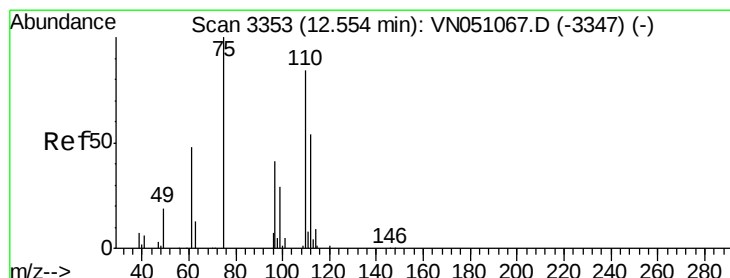
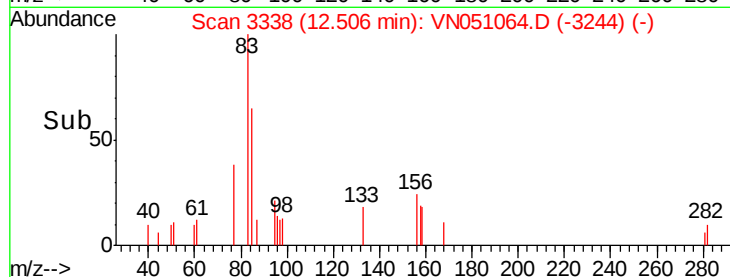
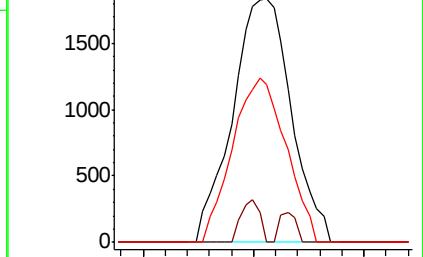
85 61.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN051064.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN051064.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN051064.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 0.993 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051064.D

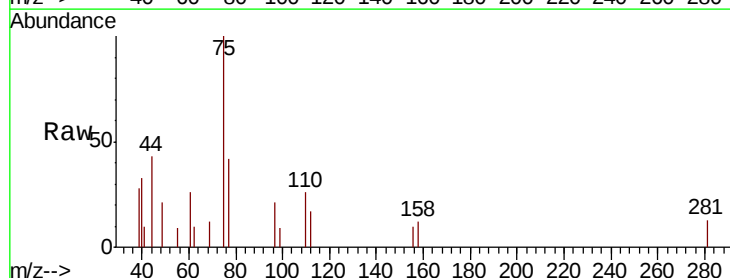
Acq: 10 Sep 2018 8:09

Tgt Ion: 75 Resp: 3372

Ion Ratio Lower Upper

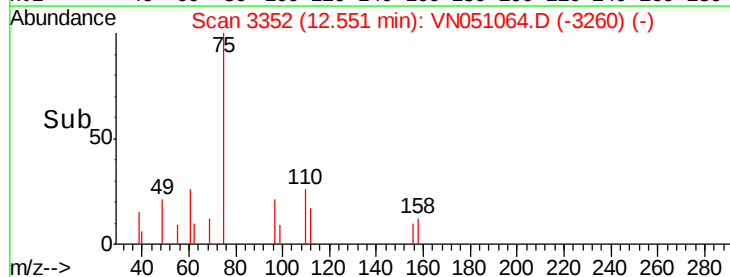
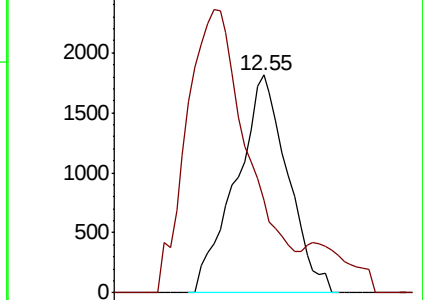
75 100

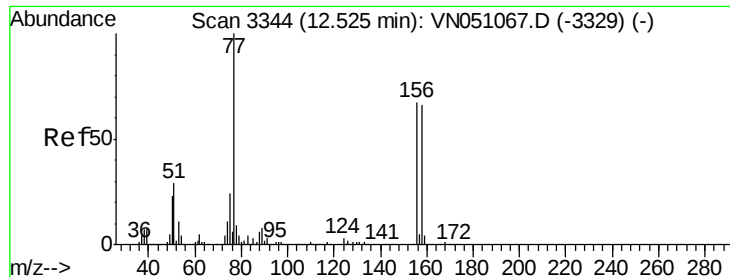
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051064.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051064.D (-3353) (-)





#77

Bromobenzene

Concen: 0.581 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

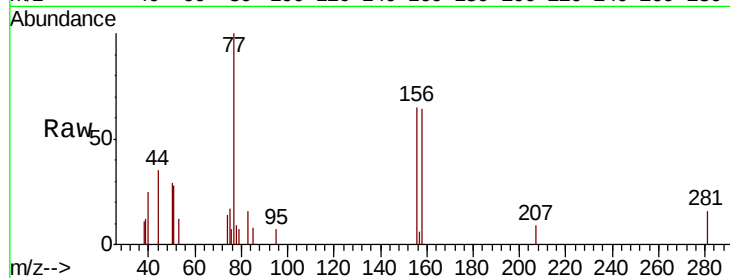
Tgt Ion: 156 Resp: 2671

Ion Ratio Lower Upper

156 100

77 194.7 87.5 262.6

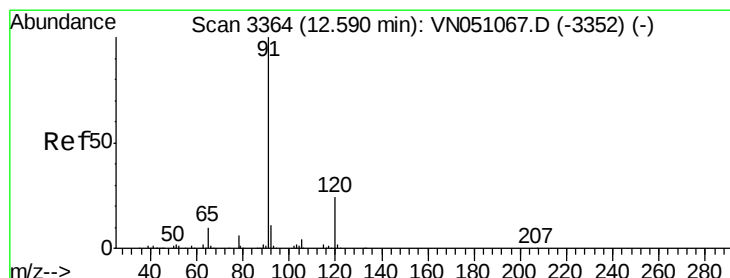
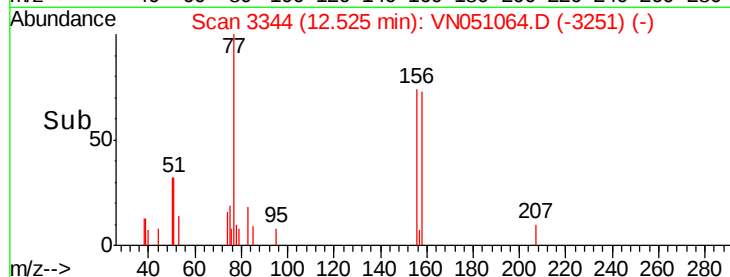
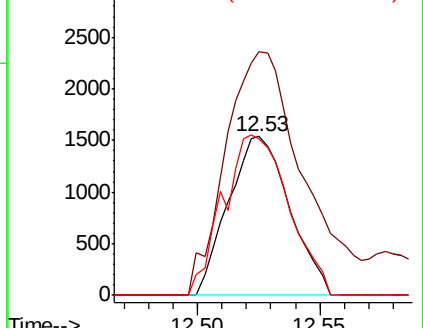
158 108.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.557 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051064.D

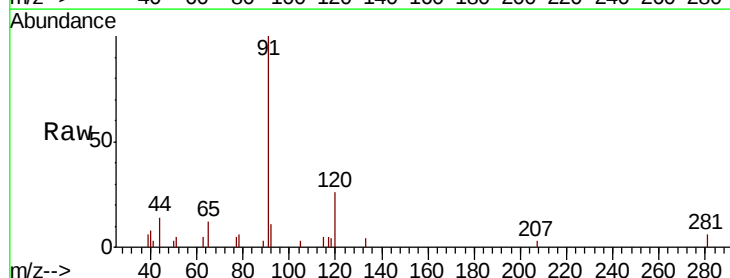
Acq: 10 Sep 2018 8:09

Tgt Ion: 91 Resp: 10491

Ion Ratio Lower Upper

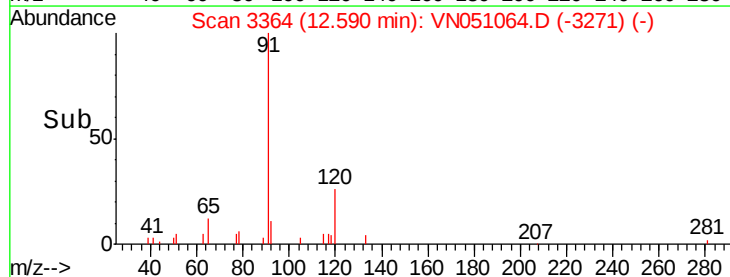
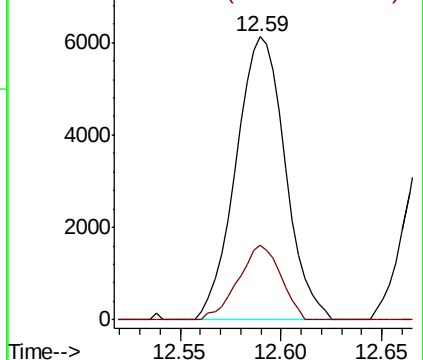
91 100

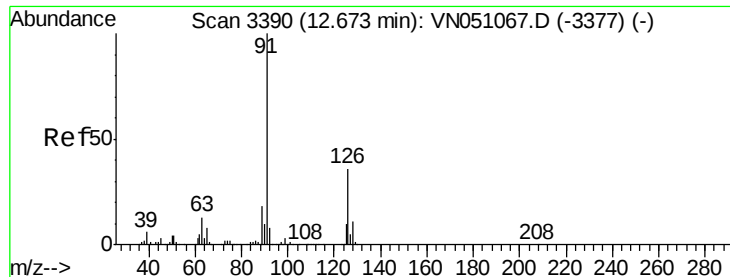
120 22.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V

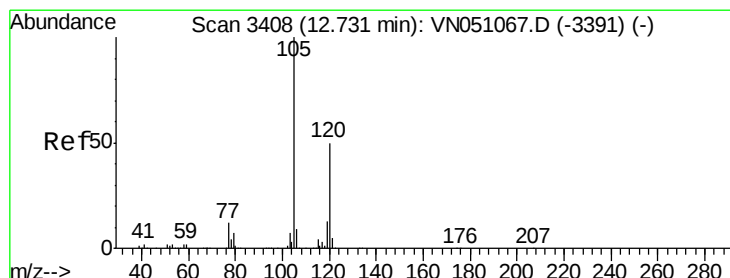
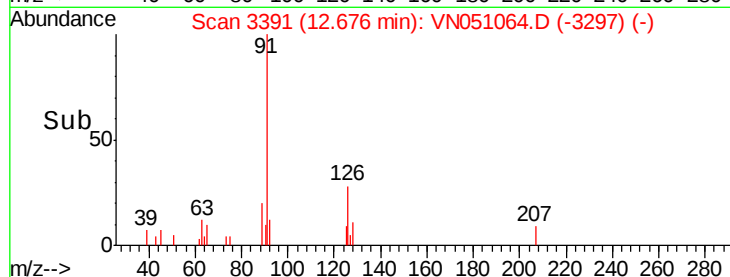
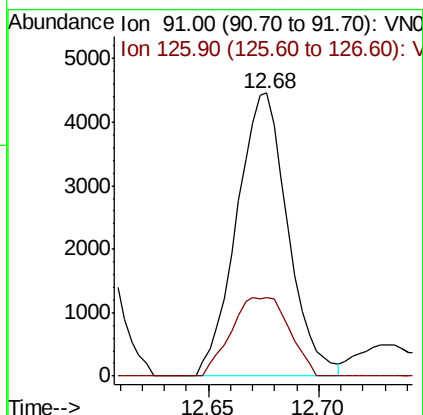
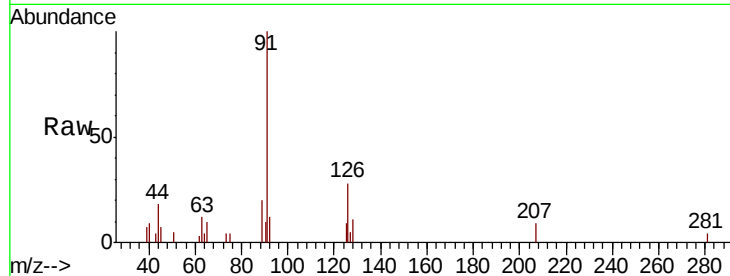




#79
 2-Chlorotoluene
 Concen: 0.613 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

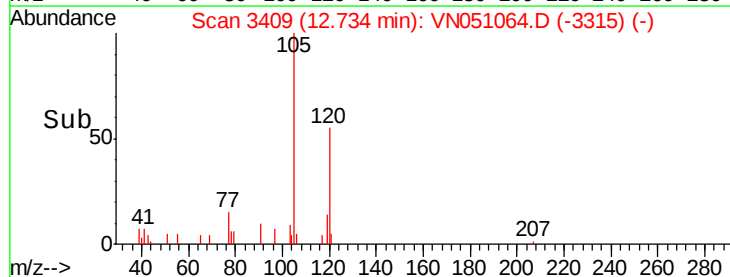
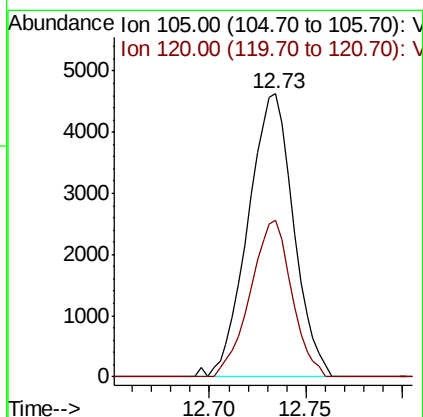
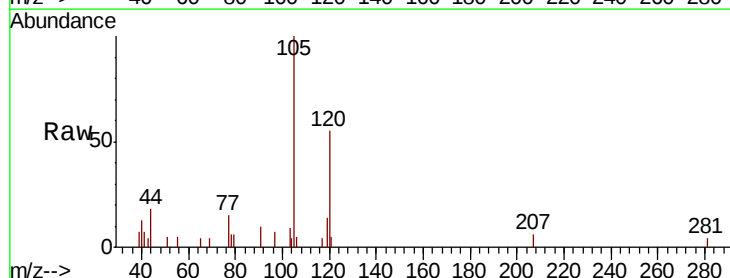
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

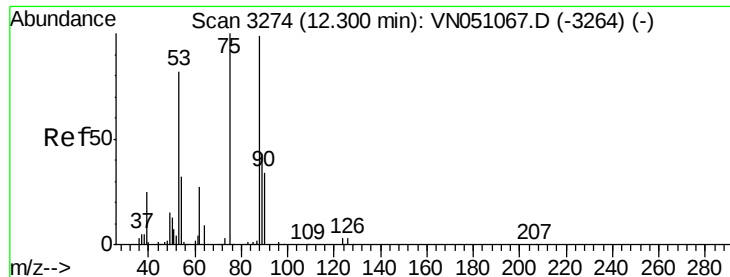
Tgt Ion: 91 Resp: 7208
 Ion Ratio Lower Upper
 91 100
 126 31.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.547 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 105 Resp: 7567
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 0.314 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

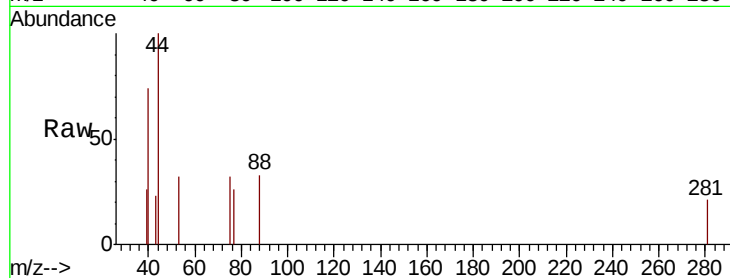
Tgt Ion: 75 Resp: 338

Ion Ratio Lower Upper

75 100

53 152.7 67.8 101.8#

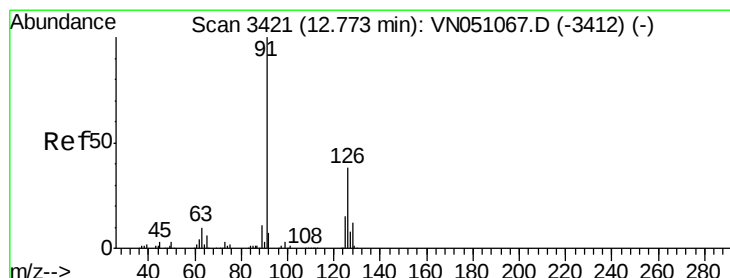
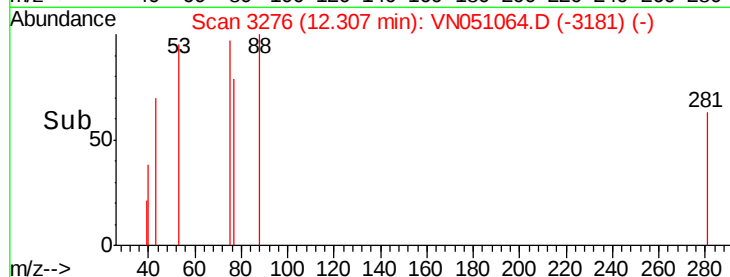
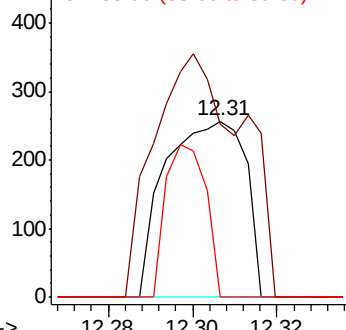
89 43.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.505 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051064.D

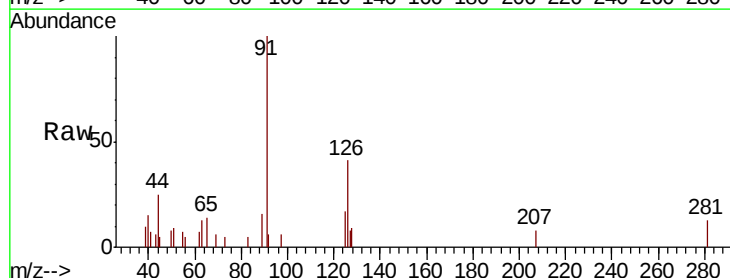
Acq: 10 Sep 2018 8:09

Tgt Ion: 91 Resp: 5891

Ion Ratio Lower Upper

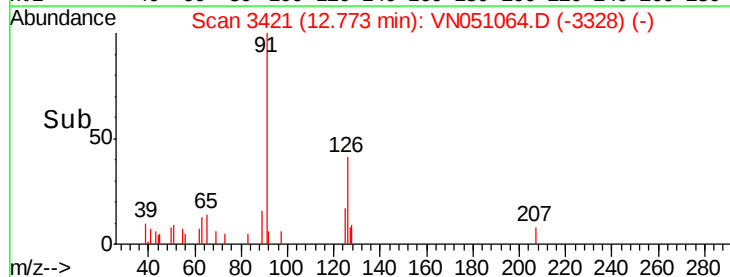
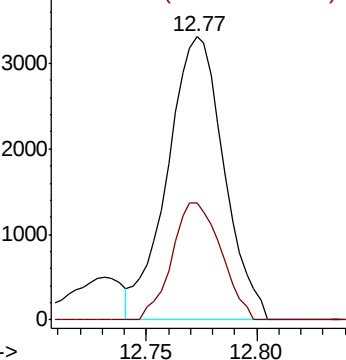
91 100

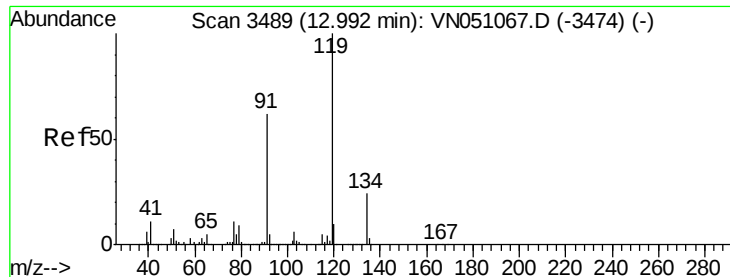
126 35.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

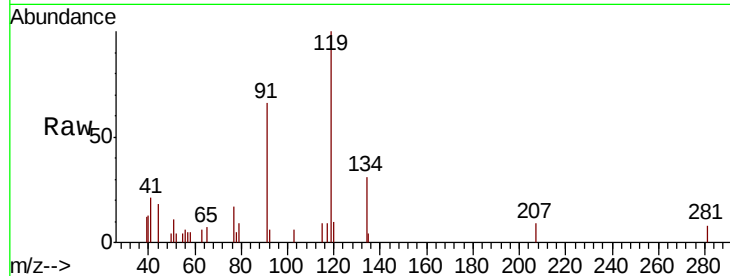




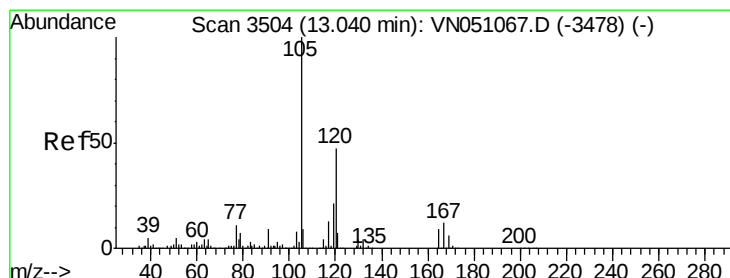
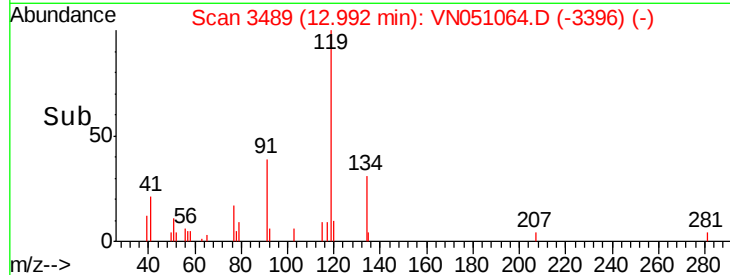
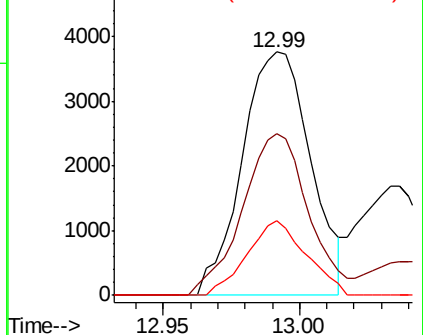
#83
 tert-Butylbenzene
 Concen: 0.536 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:119 Resp: 6550
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.8 92.3
 134 26.5 13.2 39.6

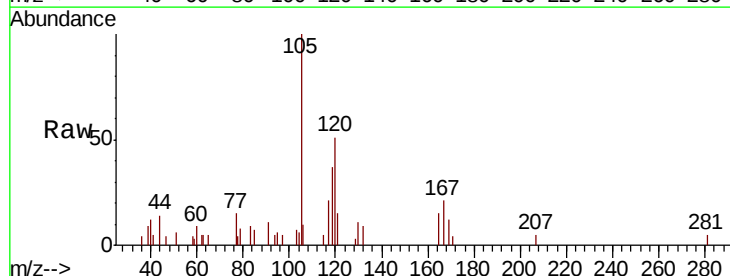


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

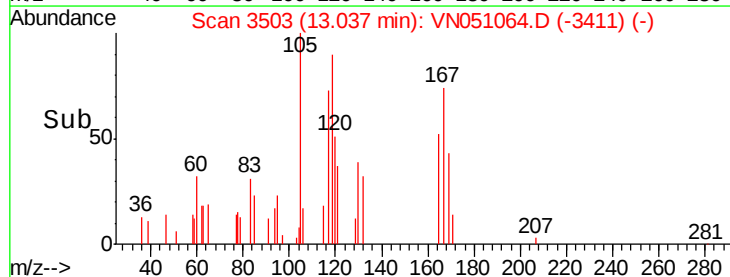
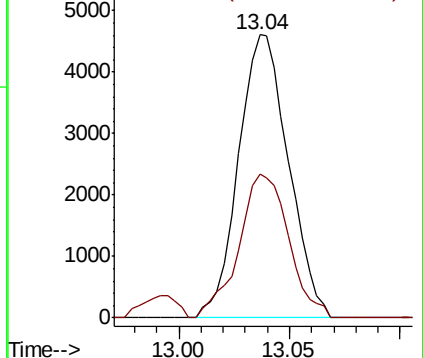


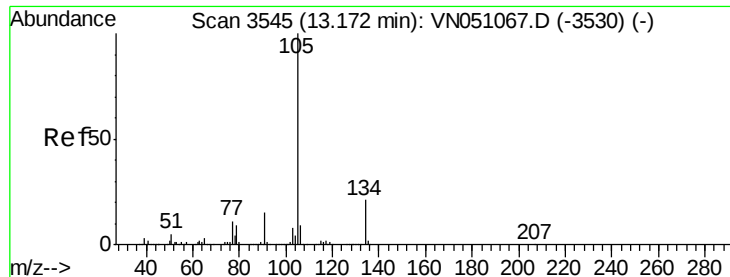
#84
 1,2,4-Trimethylbenzene
 Concen: 0.531 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion:105 Resp: 7228
 Ion Ratio Lower Upper
 105 100
 120 50.9 23.3 69.8



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

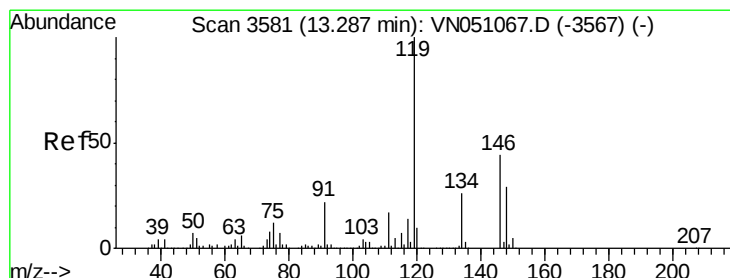
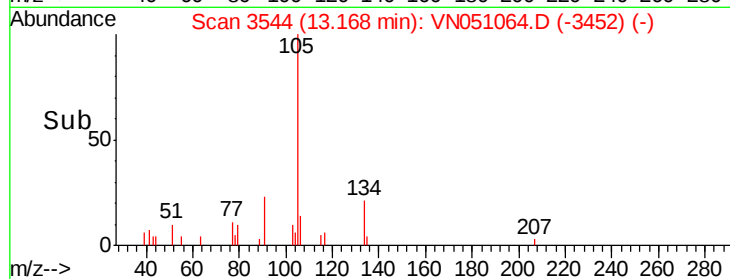
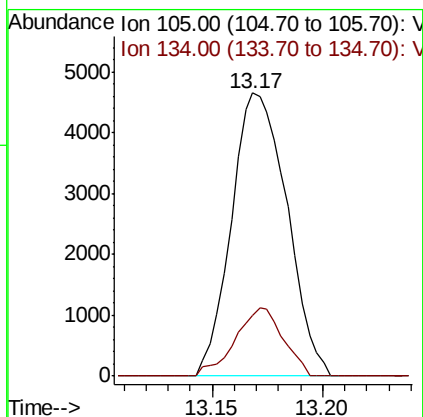
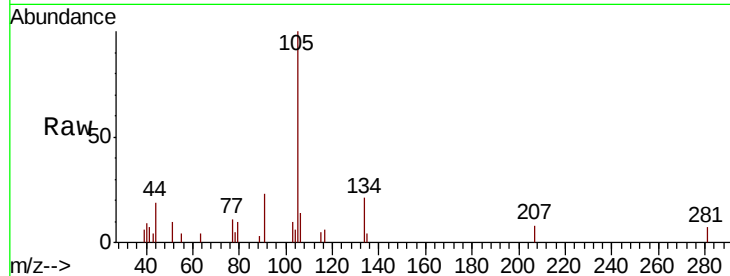




#85
 sec-Butylbenzene
 Concen: 0.519 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

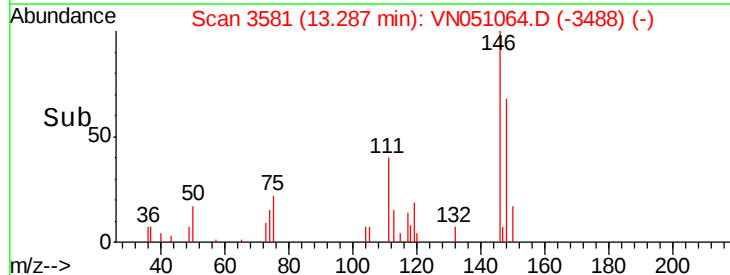
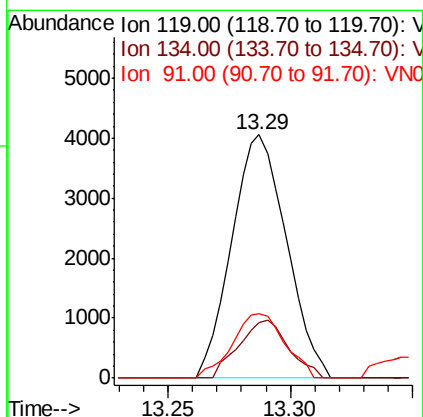
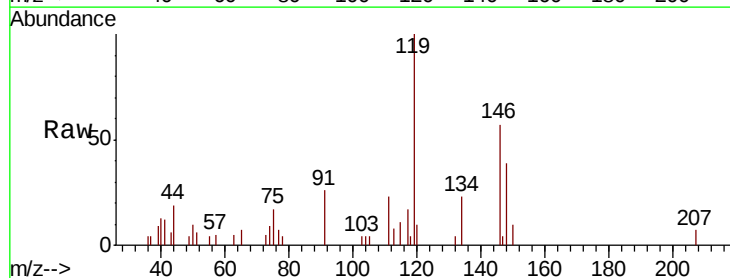
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

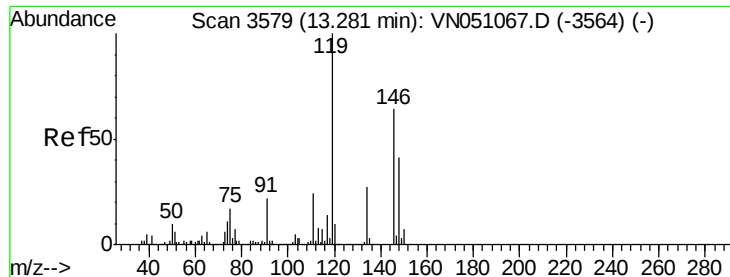
Tgt Ion:105 Resp: 8135
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 0.474 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion:119 Resp: 6299
 Ion Ratio Lower Upper
 119 100
 134 21.6 13.5 40.4
 91 25.4 10.9 32.9

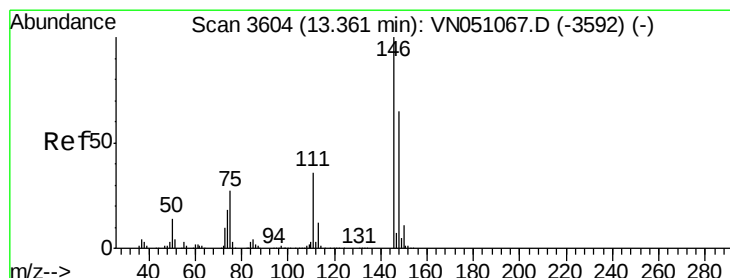
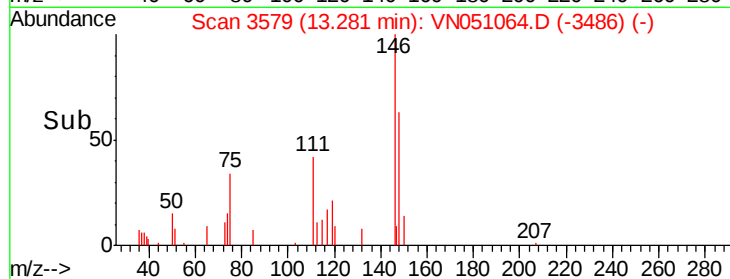
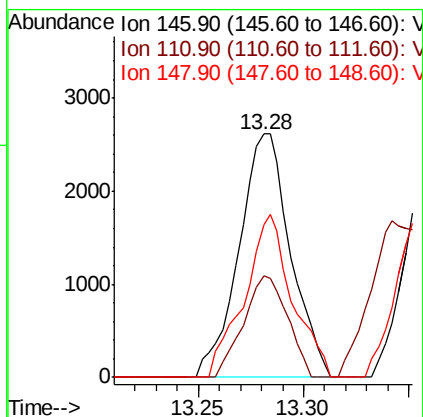
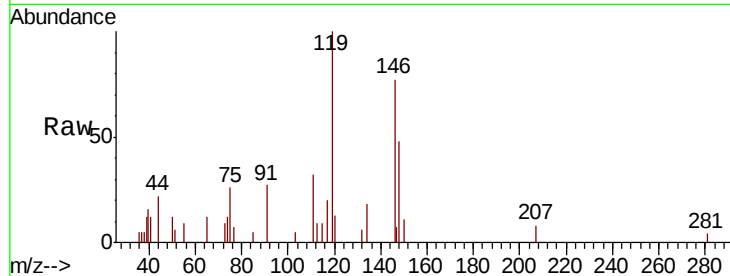




#87
 1,3-Dichlorobenzene
 Concen: 0.569 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

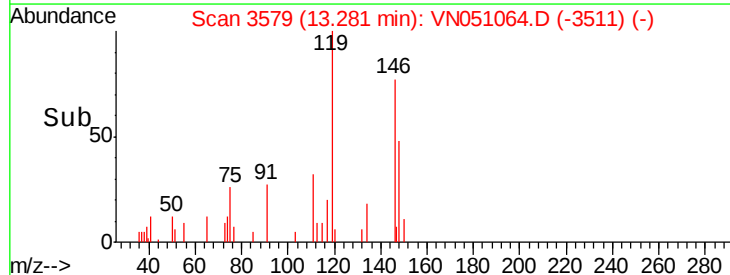
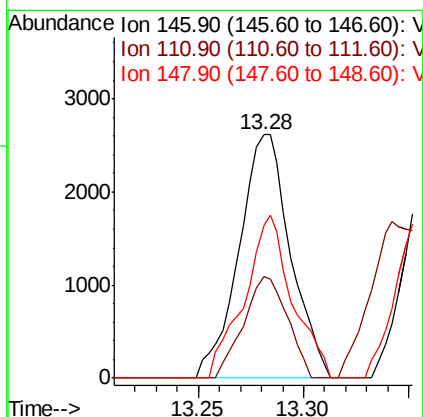
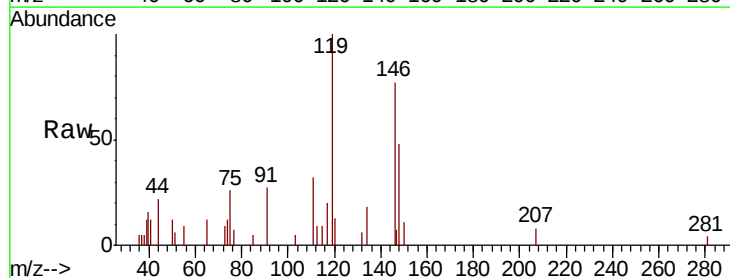
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

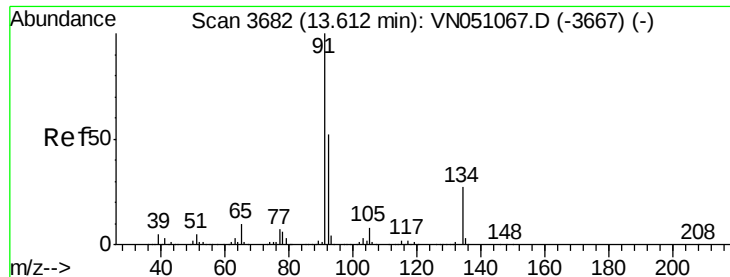
Tgt Ion:146 Resp: 4443
 Ion Ratio Lower Upper
 146 100
 111 35.5 19.1 57.1
 148 62.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.578 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion:146 Resp: 4443
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.0
 148 62.0 32.2 96.6





#89

n-Butylbenzene

Concen: 0.418 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

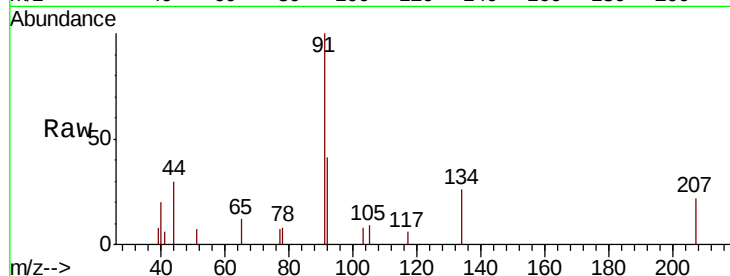
Tgt Ion: 91 Resp: 4326

Ion Ratio Lower Upper

91 100

92 48.6 26.2 78.6

134 27.2 13.7 41.1

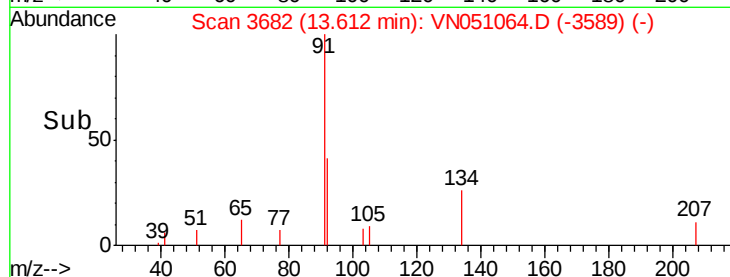


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)

Time--> 13.55 13.60 13.65

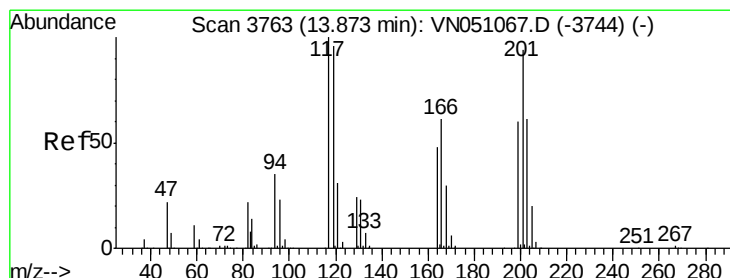


Abundance Ion 91.00 (90.70 to 91.70): VN051064.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN051064.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN051064.D (-3589) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 0.791 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051064.D

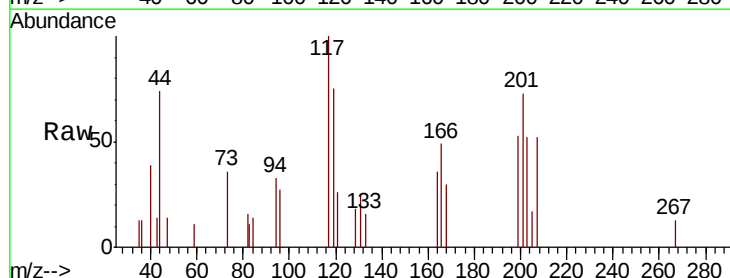
Acq: 10 Sep 2018 8:09

Tgt Ion: 117 Resp: 2148

Ion Ratio Lower Upper

117 100

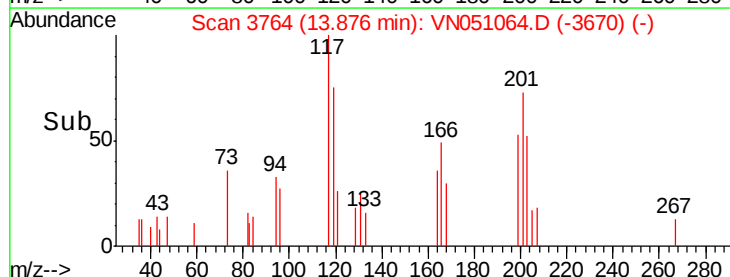
201 77.4 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

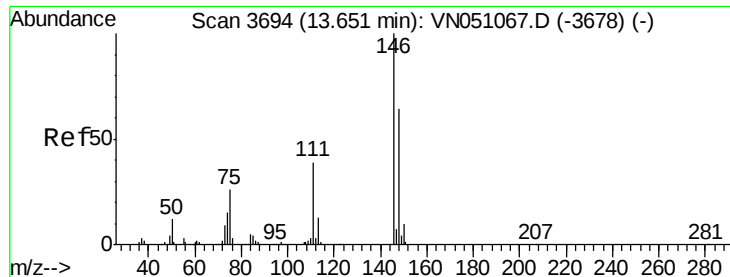
Time--> 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN051064.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051064.D (-3670) (-)

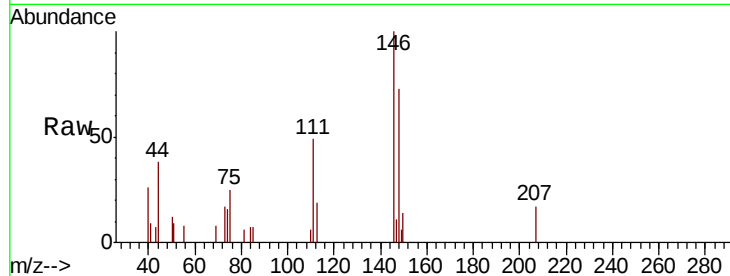
Time--> 13.85 13.90



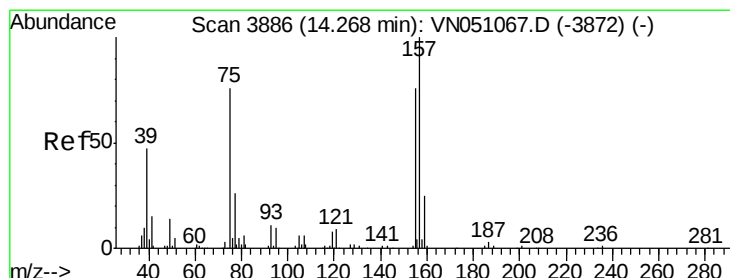
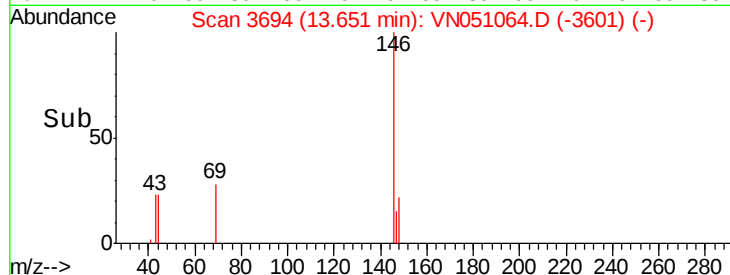
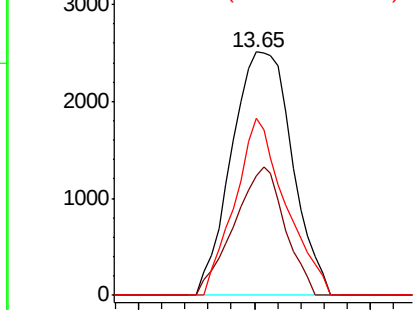
#91
 1,2-Dichlorobenzene
 Concen: 0.600 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 146 Resp: 4562
 Ion Ratio Lower Upper
 146 100
 111 44.2 19.7 59.0
 148 61.0 32.1 96.3

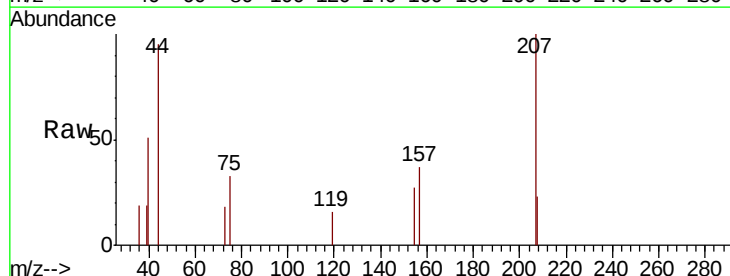


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

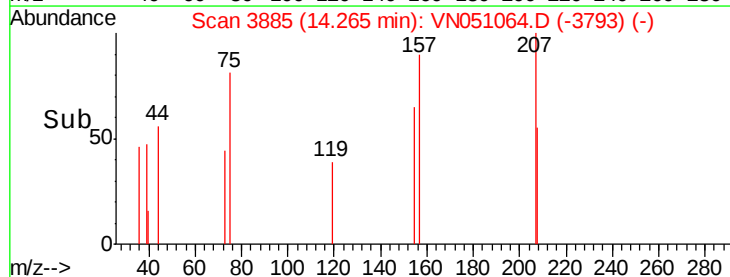
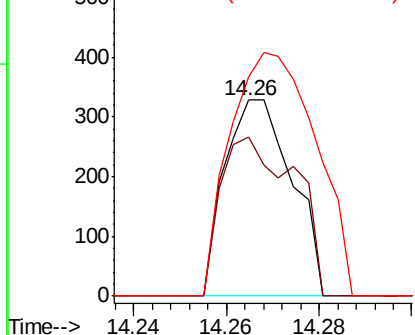


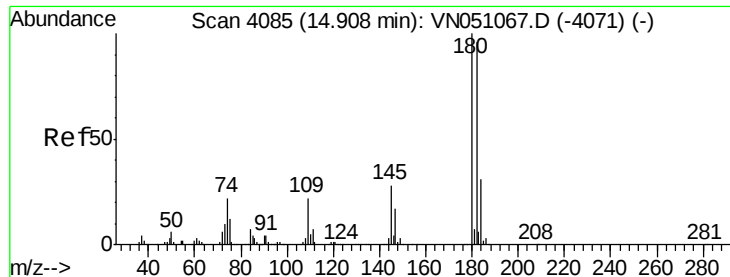
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.498 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion: 75 Resp: 331
 Ion Ratio Lower Upper
 75 100
 155 89.1 48.7 146.1
 157 158.6 63.6 190.9



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

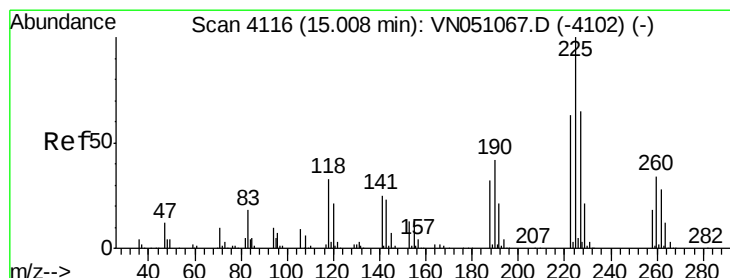
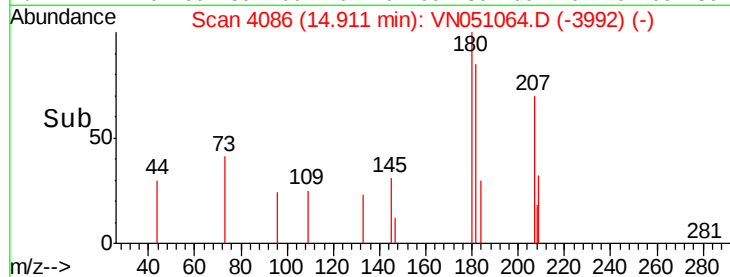
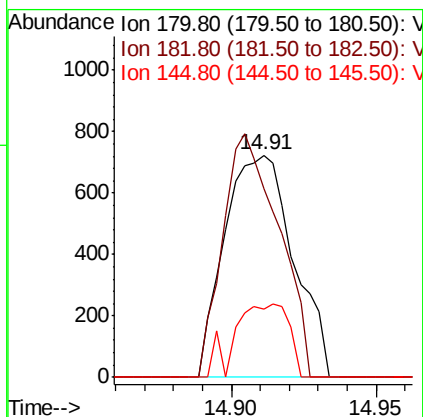
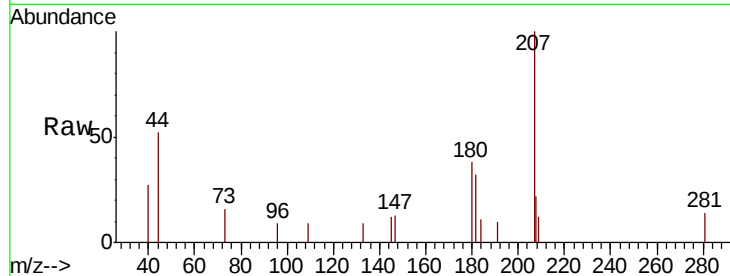




#93
 1,2,4-Trichlorobenzene
 Concen: 0.365 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

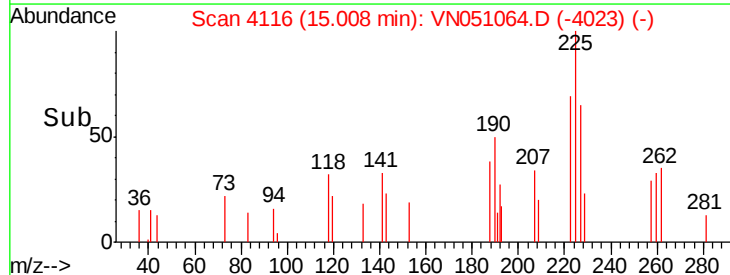
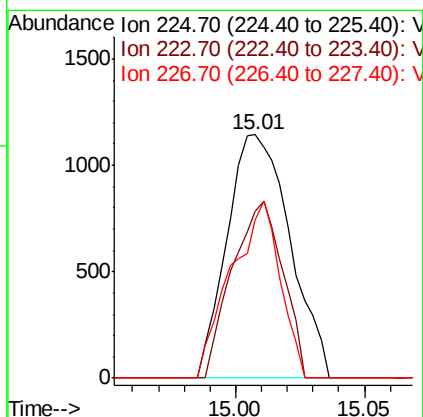
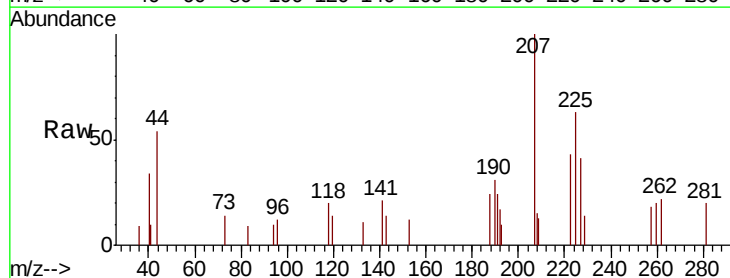
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

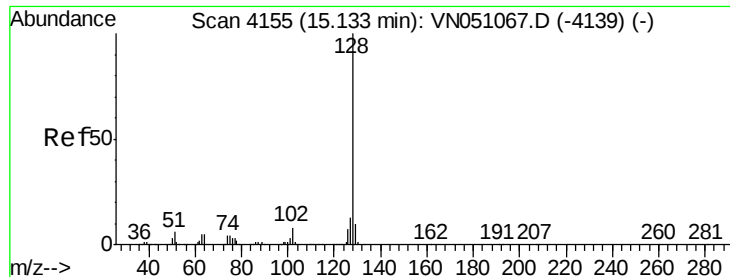
Tgt Ion:180 Resp: 1194
 Ion Ratio Lower Upper
 180 100
 182 88.9 47.3 141.8
 145 26.0 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 0.728 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051064.D
 Acq: 10 Sep 2018 8:09

Tgt Ion:225 Resp: 1950
 Ion Ratio Lower Upper
 225 100
 223 58.4 31.4 94.0
 227 56.7 32.1 96.3





#95

Naphthalene

Concen: 0.334 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

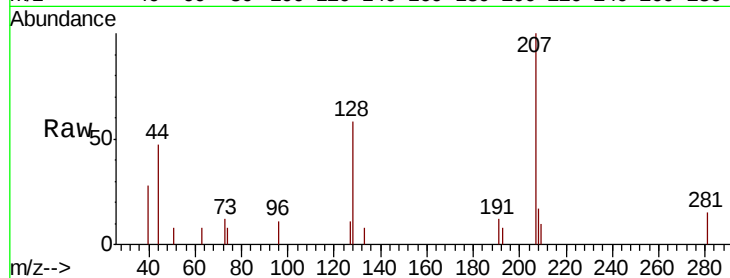
Tgt Ion:128 Resp: 2318

Ion Ratio Lower Upper

128 100

127 9.8 10.6 15.8#

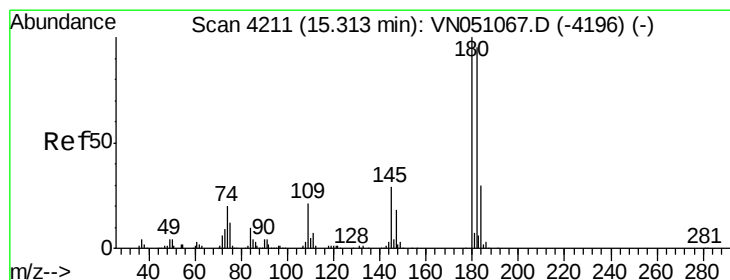
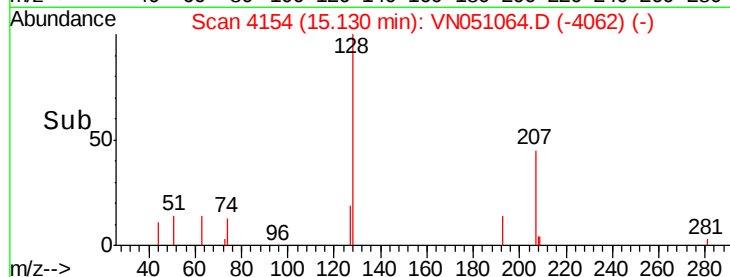
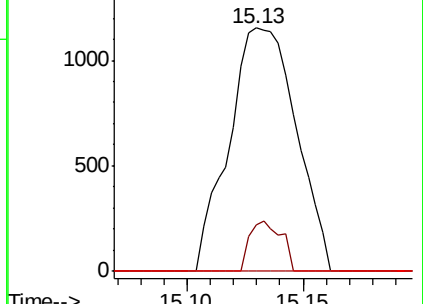
129 0.0 8.6 12.8#



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: 0.387 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051064.D

Acq: 10 Sep 2018 8:09

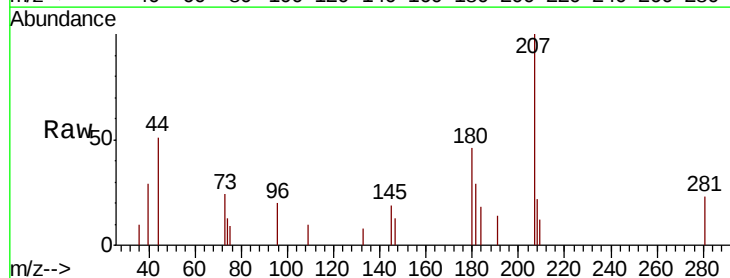
Tgt Ion:180 Resp: 1312

Ion Ratio Lower Upper

180 100

182 92.9 47.8 143.3

145 32.5 14.6 43.8



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

