

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051427.D
 Acq On : 23 Sep 2018 21:44
 Operator : MD\SY
 Sample : VN0922WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Quant Time: Sep 24 06:48:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	498025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	725838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	324224	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	289574	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.09	98	1073435	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	327989	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	90350	19.445	ug/l 98
3) Chloromethane	2.06	50	153849	20.800	ug/l 100
4) Vinyl Chloride	2.18	62	167931	20.571	ug/l 97
5) Bromomethane	2.57	94	96066	19.673	ug/l 96
6) Chloroethane	2.71	64	104804	20.603	ug/l 96
7) Trichlorofluoromethane	3.02	101	228605	21.379	ug/l 99
8) Diethyl Ether	3.41	74	78199	21.765	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142286	23.578	ug/l 99
10) Methyl Iodide	3.95	142	174238	21.891	ug/l 99
11) Tert butyl alcohol	4.79	59	40512	115.060	ug/l 98
12) 1,1-Dichloroethene	3.74	96	129908	23.445	ug/l 97
13) Acrolein	3.61	56	41921	119.901	ug/l 97
14) Allyl chloride	4.33	41	221937	23.873	ug/l 99
15) Acrylonitrile	4.99	53	227976	119.027	ug/l 99
16) Acetone	3.82	43	159815	100.928	ug/l 99
17) Carbon Disulfide	4.05	76	380909	23.398	ug/l 99
18) Methyl Acetate	4.33	43	123308	25.952	ug/l 96
19) Methyl tert-butyl Ether	5.05	73	333594	23.347	ug/l 100
20) Methylene Chloride	4.55	84	156306	25.319	ug/l 97
21) trans-1,2-Dichloroethene	5.05	96	136795	24.133	ug/l 99
22) Diisopropyl ether	5.96	45	383219	21.325	ug/l 99
23) Vinyl Acetate	5.90	43	1167209	98.933	ug/l 99
24) 1,1-Dichloroethane	5.85	63	226372	21.112	ug/l 99
25) 2-Butanone	6.84	43	186033	87.121	ug/l 97
26) 2,2-Dichloropropane	6.83	77	144573	17.273	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	119320	19.184	ug/l 97
28) Bromochloromethane	7.20	49	100595	20.316	ug/l 100
29) Tetrahydrofuran	7.21	42	129976	96.052	ug/l 98
30) Chloroform	7.37	83	218976	20.611	ug/l 99
31) Cyclohexane	7.66	56	188649	19.204	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	188671	20.773	ug/l 99
36) 1,1-Dichloropropene	7.80	75	160810	19.132	ug/l 98
37) Ethyl Acetate	6.93	43	93316	19.309	ug/l 99
38) Carbon Tetrachloride	7.77	117	168823	19.203	ug/l 97

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 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Quant Time: Sep 24 06:48:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	175072	17.817	ug/l	96
40) Benzene	8.04	78	483384	19.586	ug/l	100
41) Methacrylonitrile	7.18	41	50531	18.899	ug/l	92
42) 1,2-Dichloroethane	8.13	62	155261	19.647	ug/l	100
43) Isopropyl Acetate	8.17	43	173073	19.805	ug/l #	89
44) Trichloroethene	8.84	130	125596	19.160	ug/l	100
45) 1,2-Dichloropropane	9.12	63	132049	19.683	ug/l	99
46) Dibromomethane	9.21	93	73268	19.329	ug/l	99
47) Bromodichloromethane	9.40	83	165176	19.691	ug/l	97
48) Methyl methacrylate	9.20	41	78301	17.972	ug/l	100
49) 1,4-Dioxane	9.20	88	18855	353.112	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	435172	90.546	ug/l	100
52) Toluene	10.16	92	291050	18.976	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	150058	17.719	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	178460	18.171	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	106167	19.586	ug/l	97
56) Ethyl methacrylate	10.43	69	117516	17.732	ug/l	100
57) 1,3-Dichloropropane	10.71	76	175674	18.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	308354	99.339	ug/l	98
59) 2-Hexanone	10.75	43	260334	83.558	ug/l	98
60) Dibromochloromethane	10.90	129	120092	18.777	ug/l	99
61) 1,2-Dibromoethane	11.01	107	98592	18.736	ug/l	98
64) Tetrachloroethene	10.63	164	119209	20.918	ug/l	98
65) Chlorobenzene	11.43	112	306455	19.021	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	121483	19.791	ug/l	99
67) Ethyl Benzene	11.51	91	512048	18.859	ug/l	100
68) m/p-Xylenes	11.62	106	402787	38.351	ug/l	100
69) o-Xylene	11.95	106	190296	18.848	ug/l	97
70) Styrene	11.96	104	296835	18.554	ug/l	97
71) Bromoform	12.13	173	77356	18.573	ug/l #	100
73) Isopropylbenzene	12.25	105	515513	19.926	ug/l	100
74) N-amyl acetate	12.07	43	117299	18.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	118267	19.603	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	141225	27.744	ug/l #	100
77) Bromobenzene	12.53	156	126724	19.349	ug/l	99
78) n-propylbenzene	12.59	91	572764	19.644	ug/l	98
79) 2-Chlorotoluene	12.67	91	350776	20.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	420054	19.912	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27568	16.653	ug/l	93
82) 4-Chlorotoluene	12.77	91	338393	19.425	ug/l	99
83) tert-Butylbenzene	12.99	119	367245	19.558	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	427538	20.112	ug/l	100
85) sec-Butylbenzene	13.17	105	498448	19.622	ug/l	100
86) p-Isopropyltoluene	13.29	119	422783	19.235	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	214569	18.932	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	206556	18.941	ug/l	98
89) n-Butylbenzene	13.62	91	319299	17.666	ug/l	99
90) Hexachloroethane	13.87	117	85003	19.409	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	212589	19.332	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17690	20.547	ug/l	91

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VN0923WBS02

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

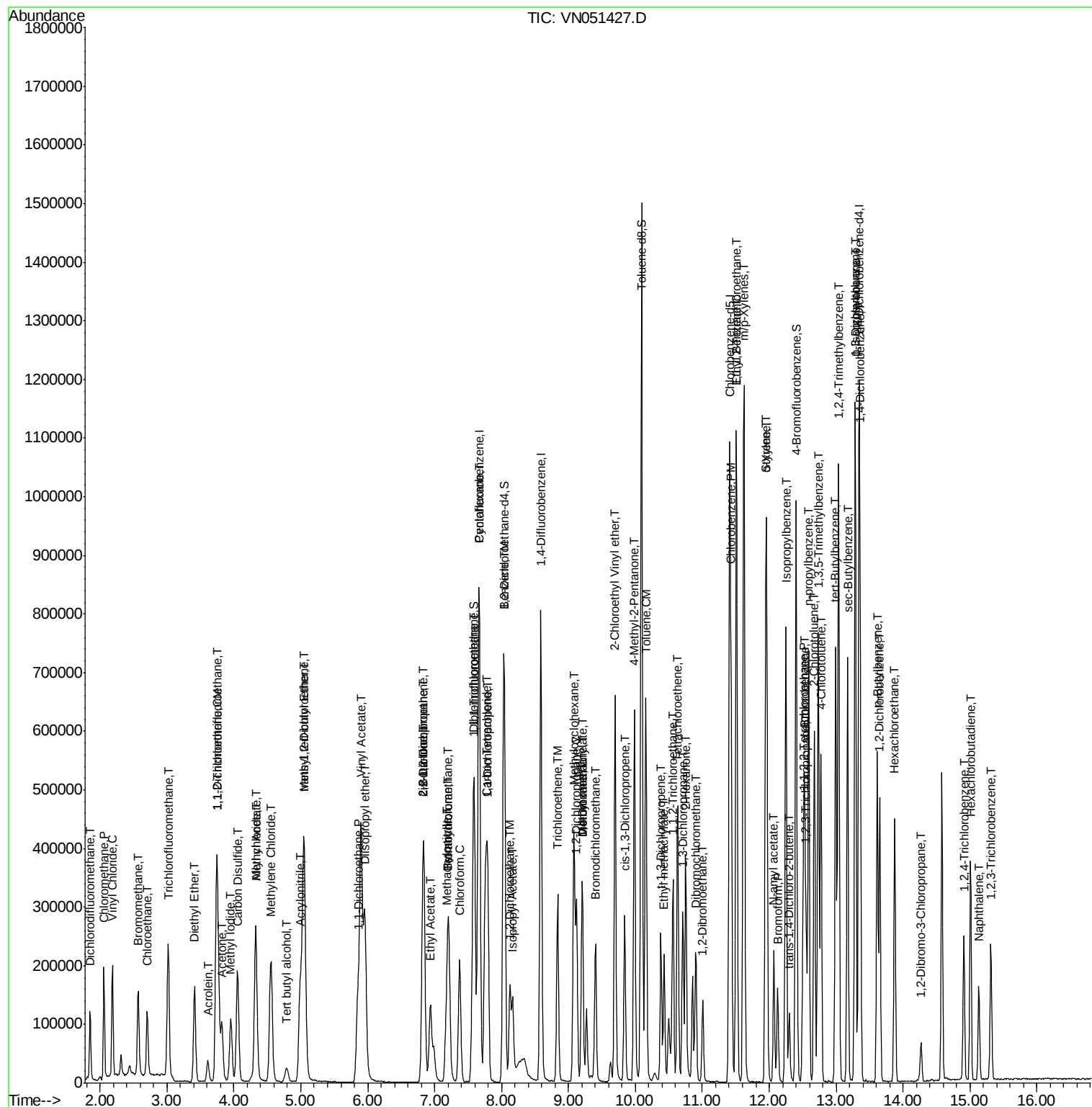
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84847	18.581	ug/l	96
94) Hexachlorobutadiene	15.01	225	78361	18.834	ug/l	97
95) Naphthalene	15.13	128	136692	18.105	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	83457	15.814	ug/l	94

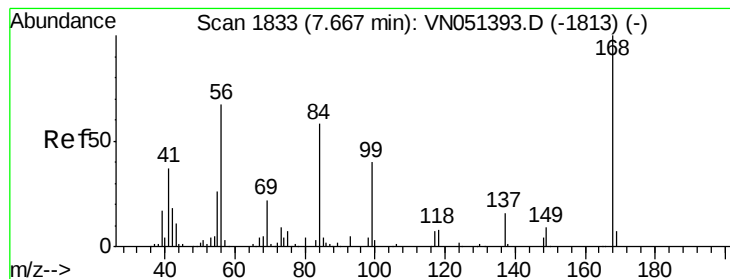
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
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Sample : VN0922WBS02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Sep 24 06:48:59 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

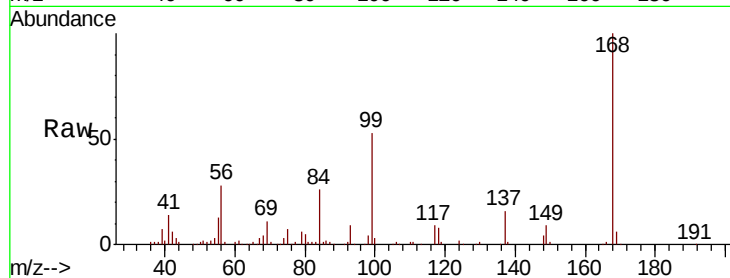
VN0923WBS02

Tgt Ion:168 Resp: 498025

Ion Ratio Lower Upper

168 100

99 52.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

150000

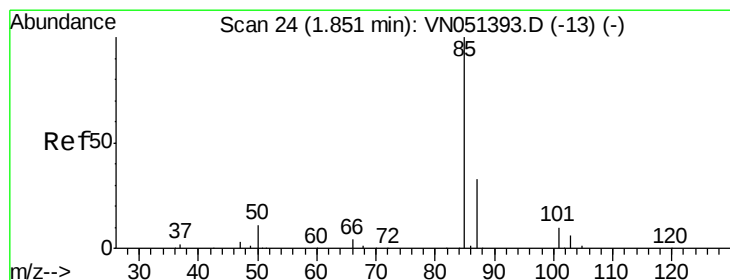
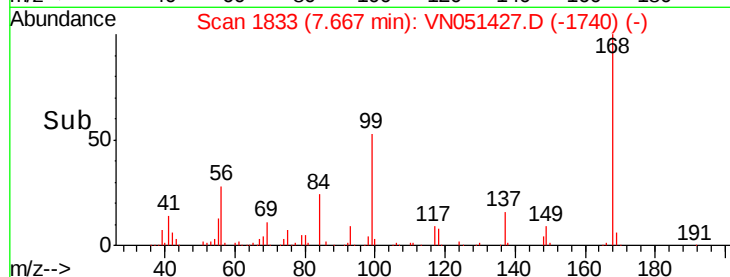
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.445 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051427.D

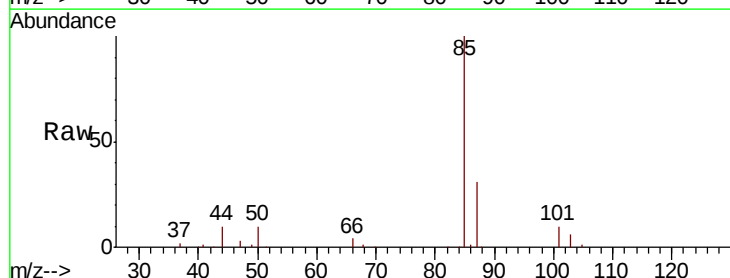
Acq: 23 Sep 2018 21:44

Tgt Ion: 85 Resp: 90350

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051393.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051393.D (-13) (-)

1.85

80000

60000

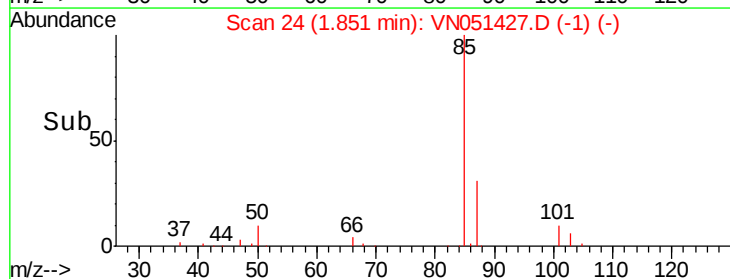
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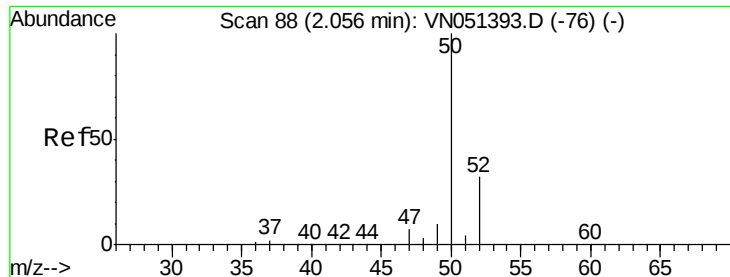
20000

0

1.80 1.85 1.90

Time-->

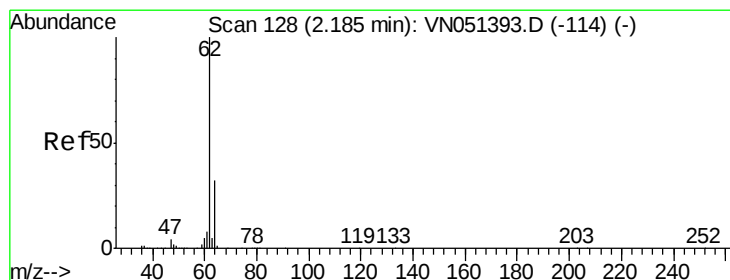
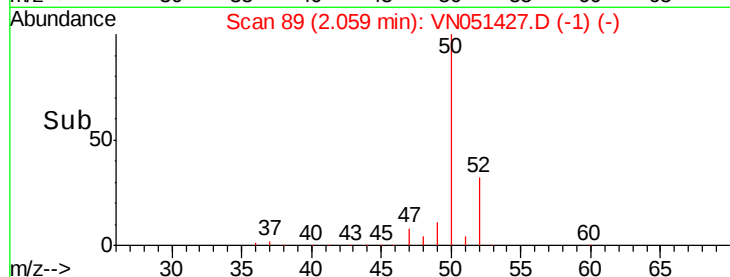
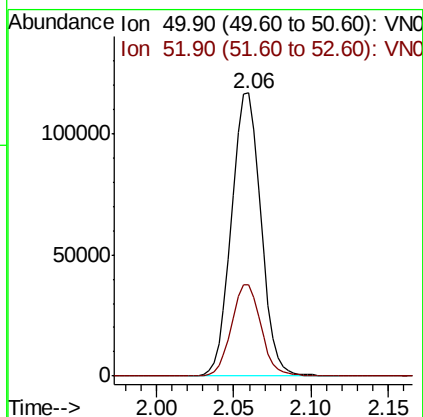
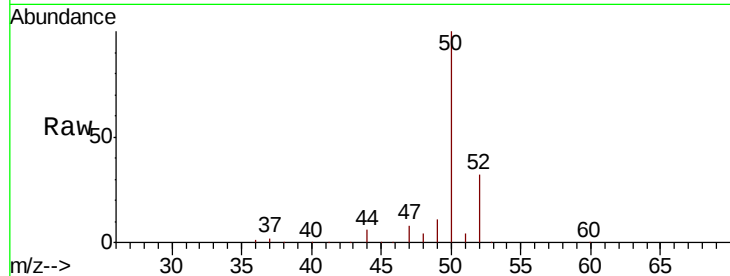




#3
Chloromethane
Concen: 20.800 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

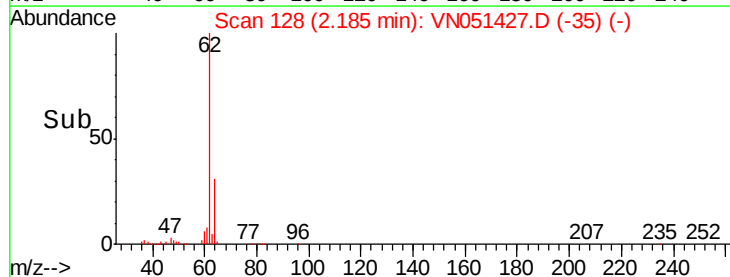
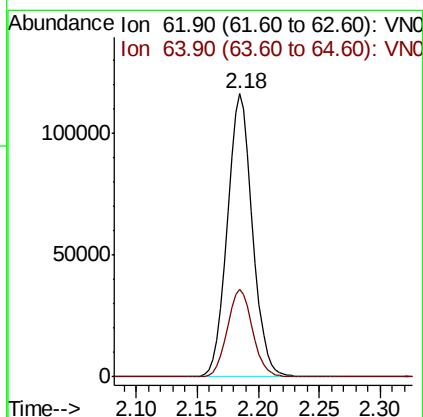
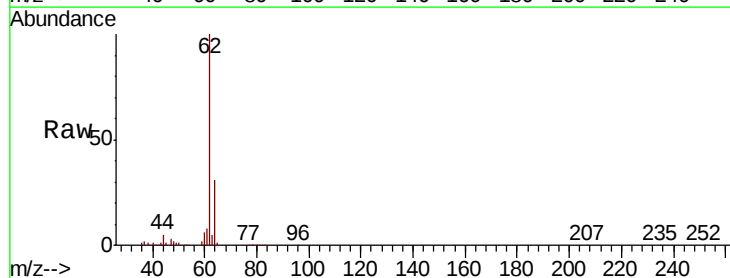
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

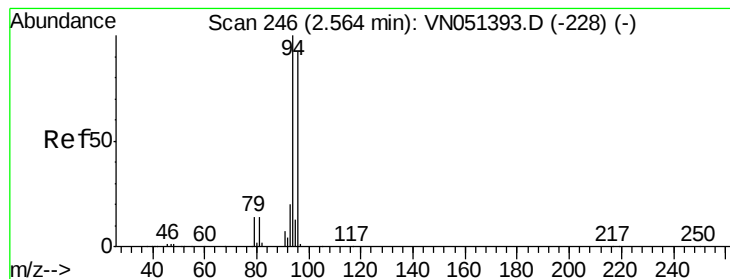
Tgt Ion: 50 Resp: 153849
Ion Ratio Lower Upper
50 100
52 32.2 25.7 38.5



#4
Vinyl Chloride
Concen: 20.571 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 62 Resp: 167931
Ion Ratio Lower Upper
62 100
64 30.9 25.8 38.8





#5

Bromomethane

Concen: 19.673 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

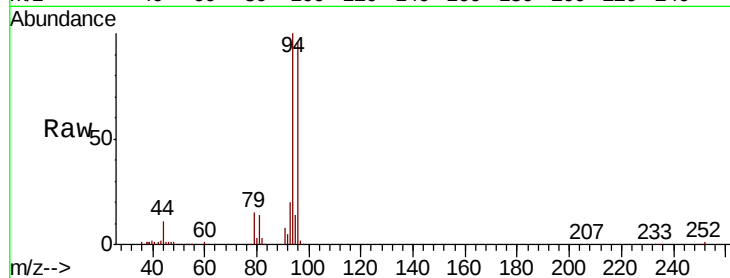
VN0923WBS02

Tgt Ion: 94 Resp: 96066

Ion Ratio Lower Upper

94 100

96 95.5 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

50000

40000

30000

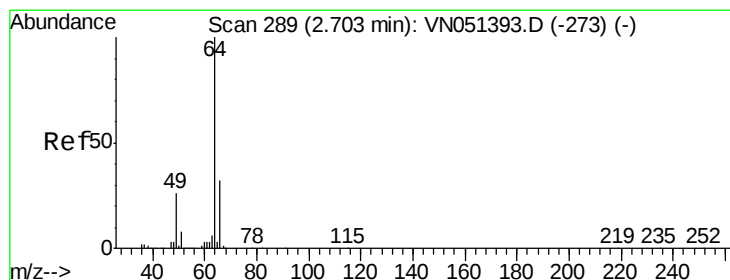
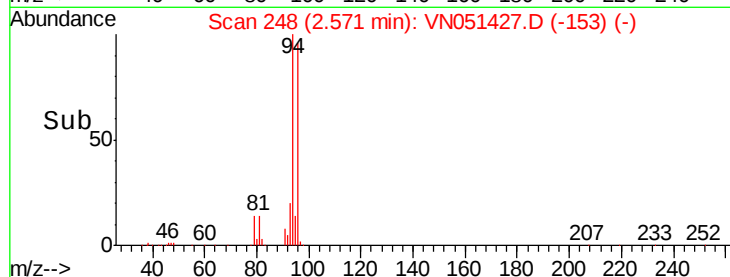
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.603 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051427.D

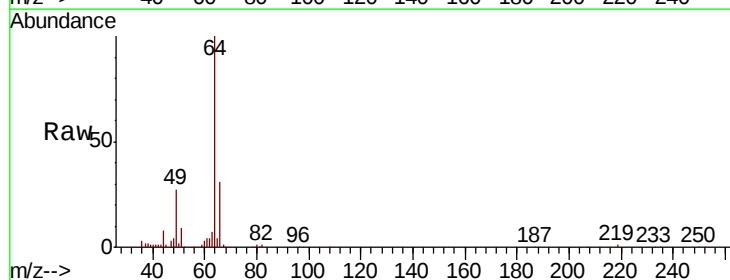
Acq: 23 Sep 2018 21:44

Tgt Ion: 64 Resp: 104804

Ion Ratio Lower Upper

64 100

66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

60000

50000

40000

30000

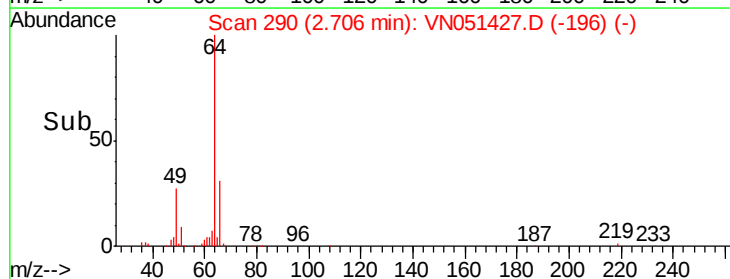
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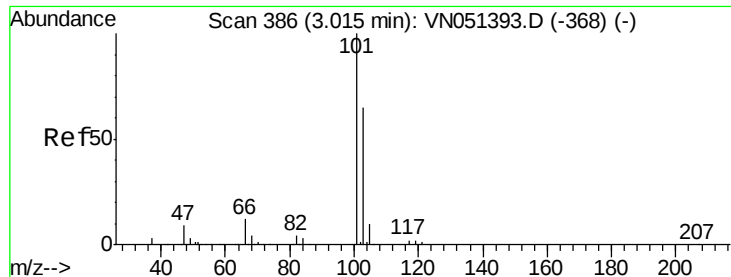
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0

Time-->

2.60 2.65 2.70 2.75 2.80



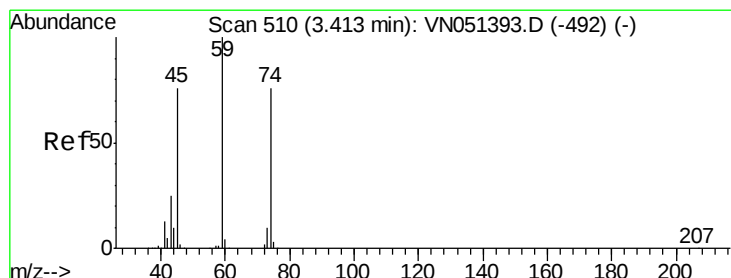
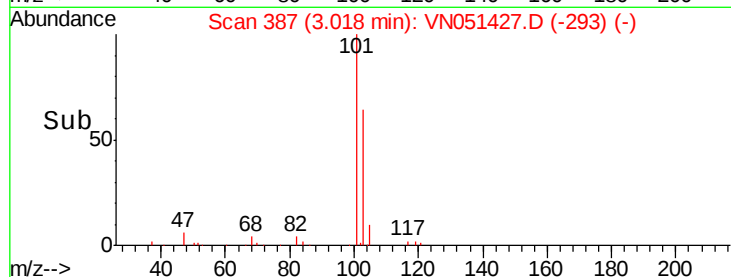
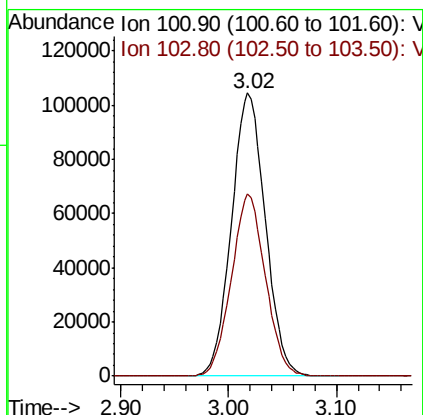
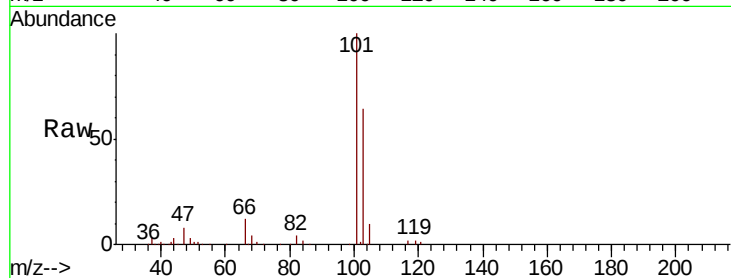


#7

Trichlorofluoromethane
 Concen: 21.379 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

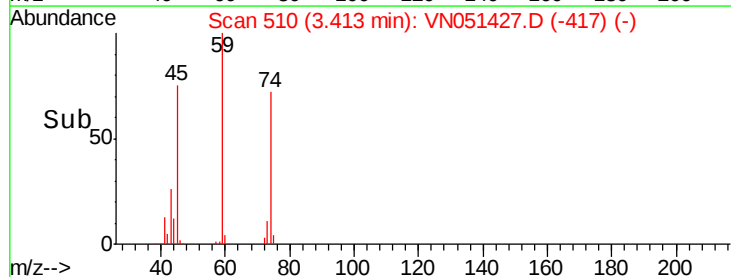
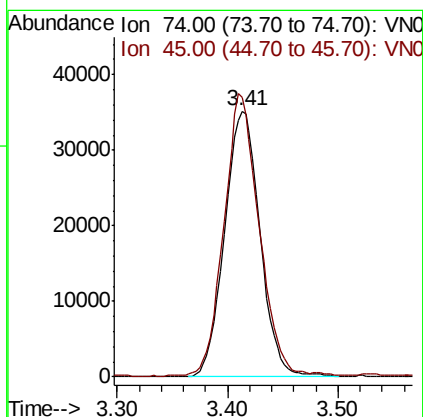
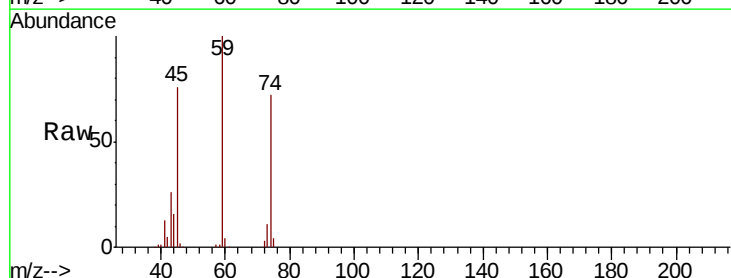
Tgt Ion:101 Resp: 228605
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8

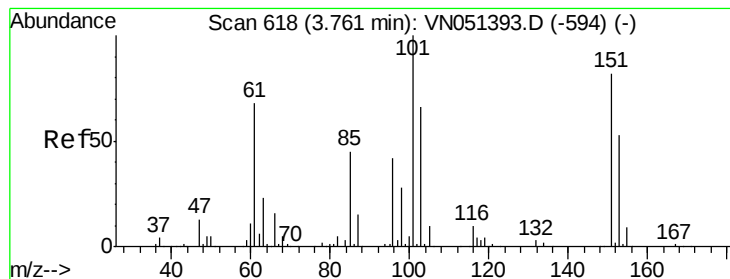


#8

Diethyl Ether
 Concen: 21.765 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 74 Resp: 78199
 Ion Ratio Lower Upper
 74 100
 45 106.2 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.578 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

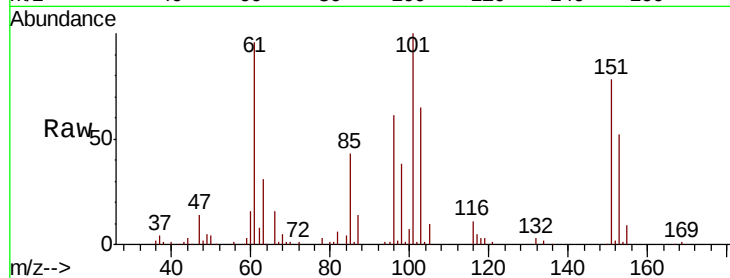
Tgt Ion:101 Resp: 142286

Ion Ratio Lower Upper

101 100

85 42.2 33.9 50.9

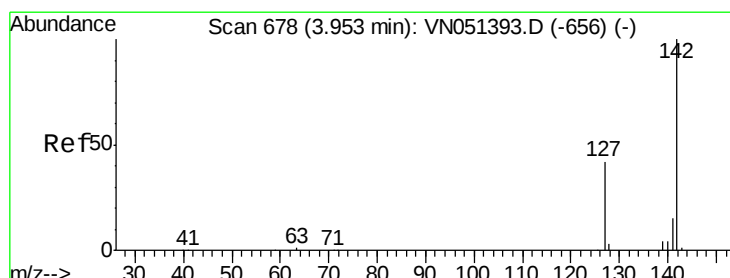
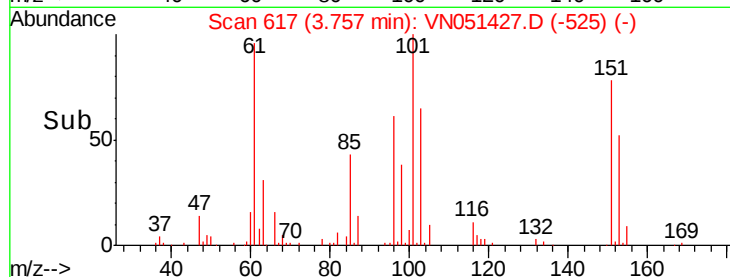
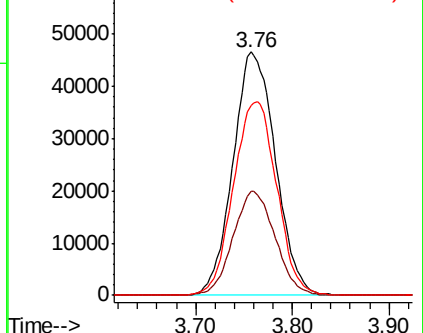
151 80.8 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.891 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

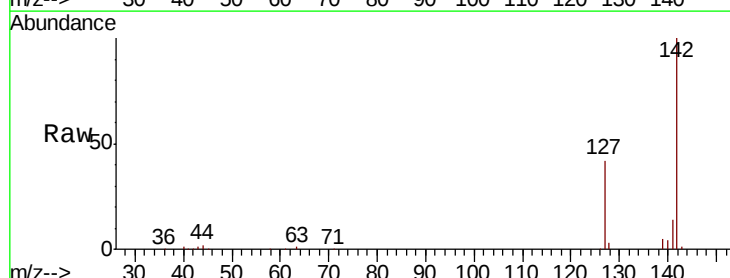
Tgt Ion:142 Resp: 174238

Ion Ratio Lower Upper

142 100

127 42.1 33.2 49.8

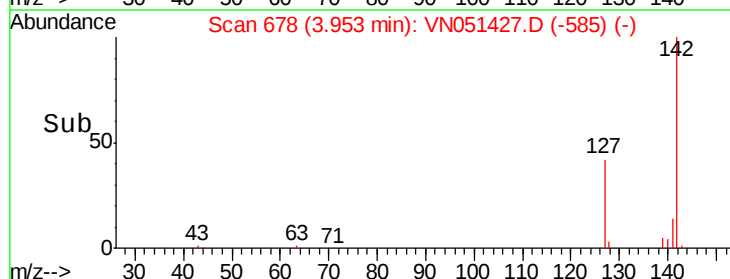
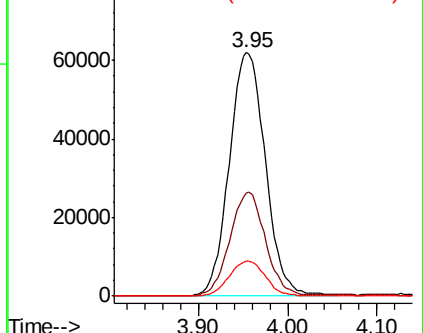
141 14.5 11.5 17.3

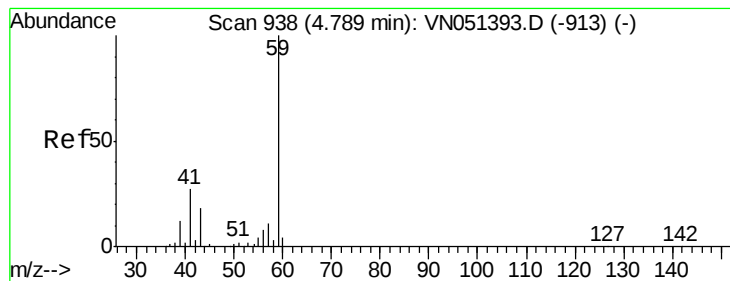


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



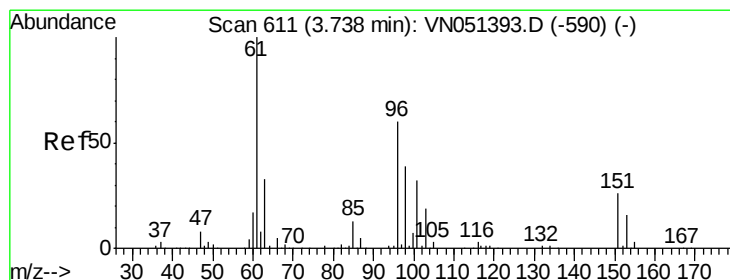
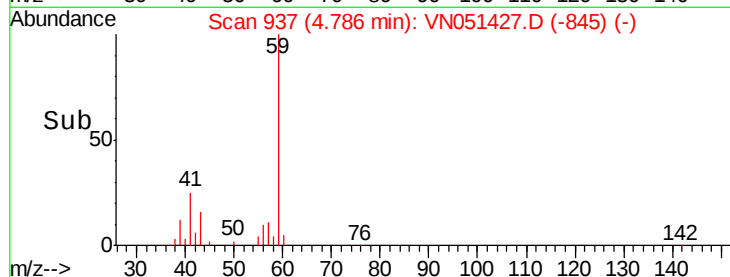
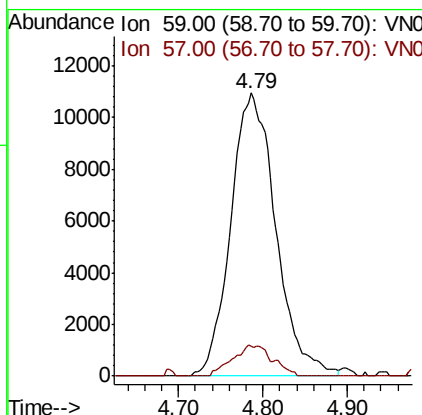
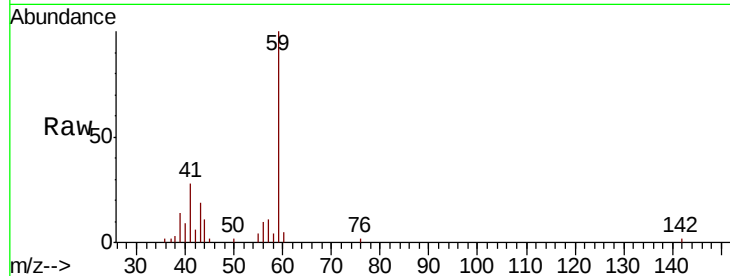


#11

Tert butyl alcohol
 Concen: 115.060 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

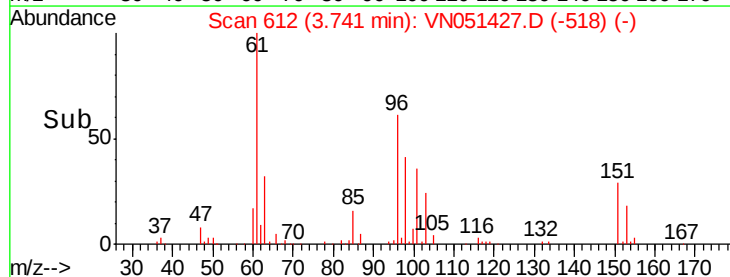
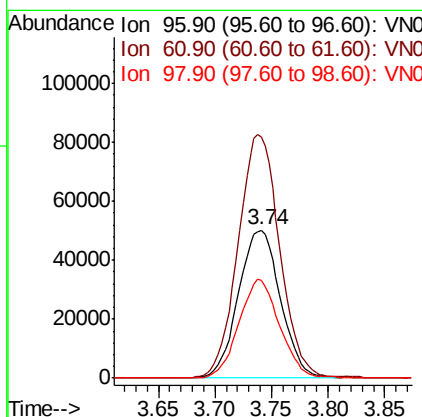
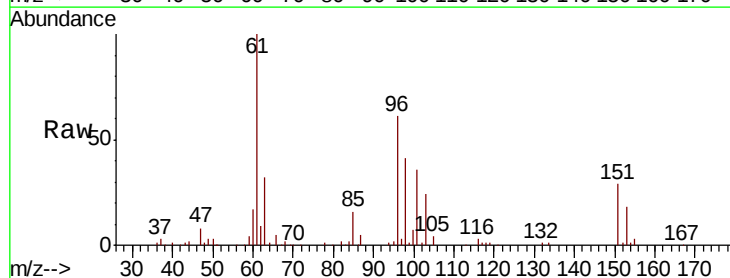
Tgt Ion: 59 Resp: 40512
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.2 9.2

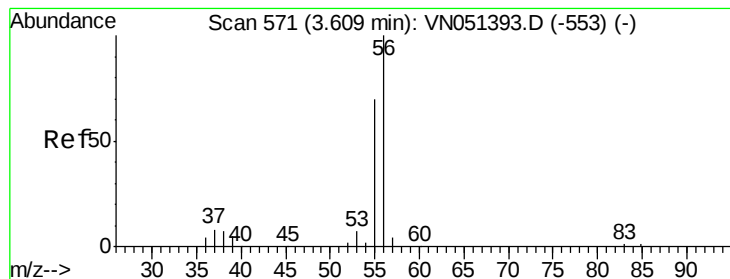


#12

1,1-Dichloroethene
 Concen: 23.445 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 96 Resp: 129908
 Ion Ratio Lower Upper
 96 100
 61 162.6 133.6 200.4
 98 66.2 52.2 78.2





#13

Acrolein

Concen: 119.901 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

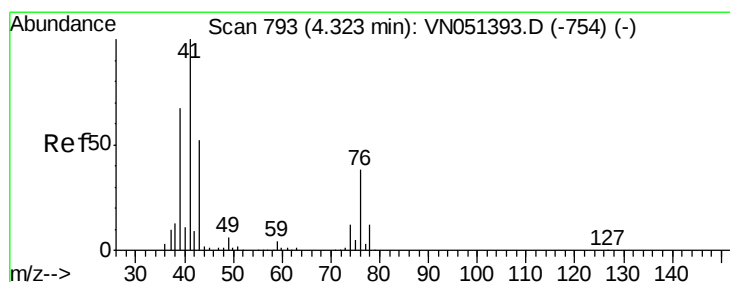
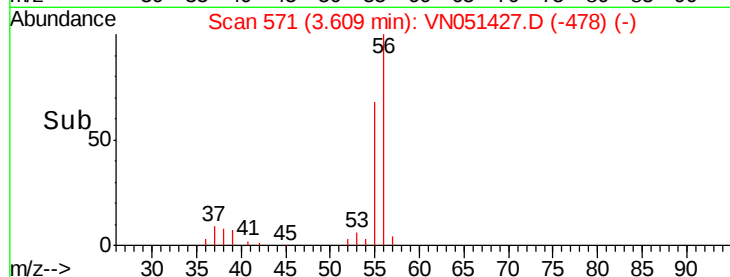
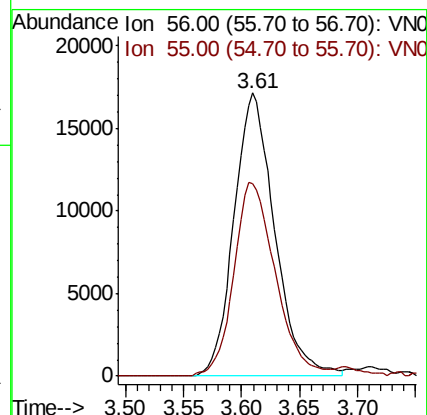
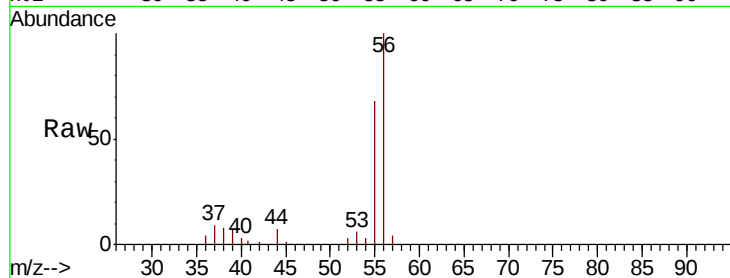
VN0923WBS02

Tgt Ion: 56 Resp: 41921

Ion Ratio Lower Upper

56 100

55 69.9 57.8 86.8



#14

Allyl chloride

Concen: 23.873 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

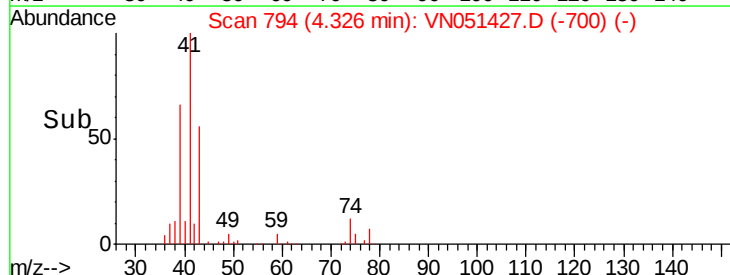
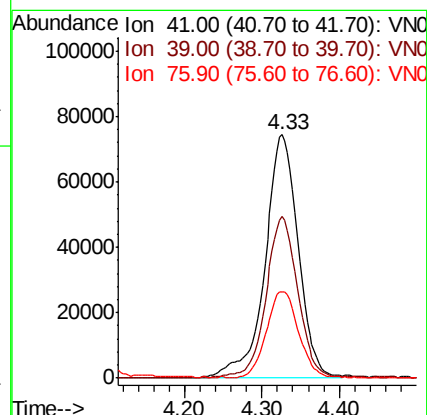
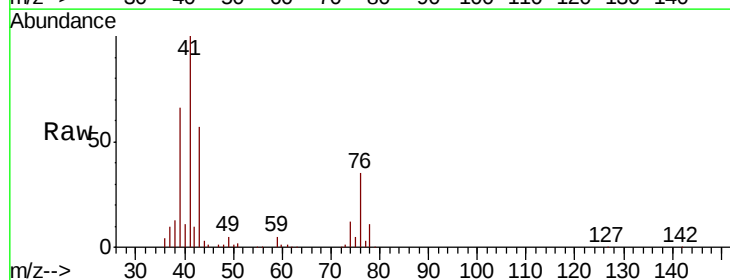
Tgt Ion: 41 Resp: 221937

Ion Ratio Lower Upper

41 100

39 63.6 51.4 77.2

76 33.7 28.1 42.1

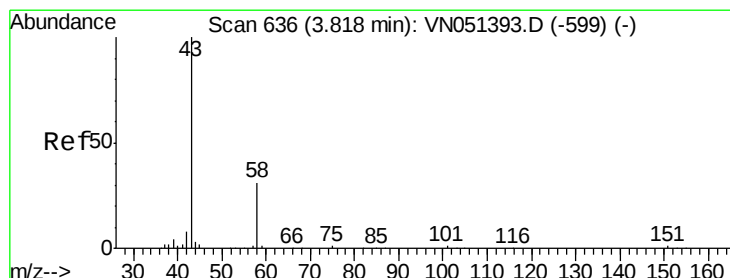
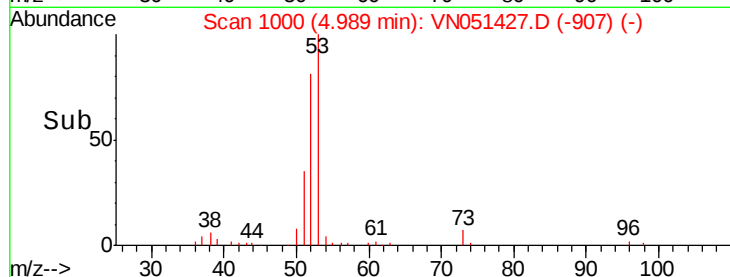
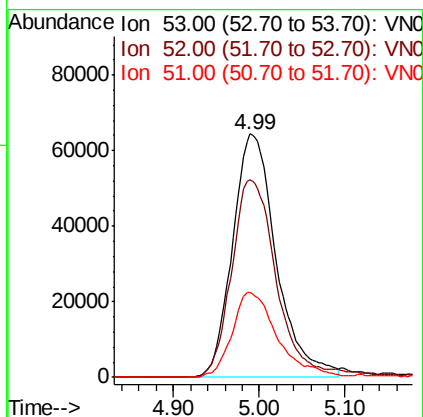
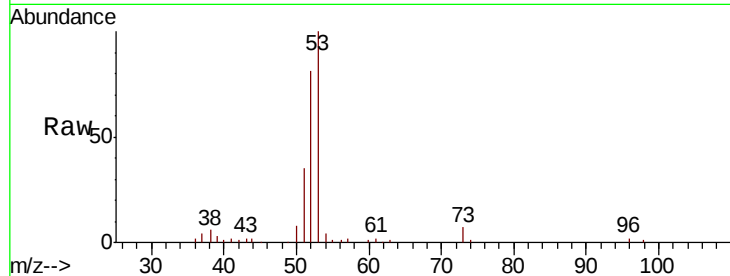




#15
 Acrylonitrile
 Concen: 119.027 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

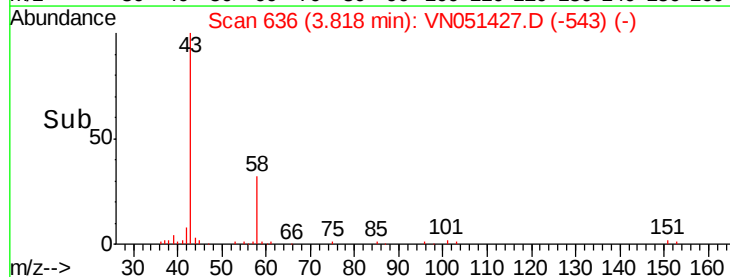
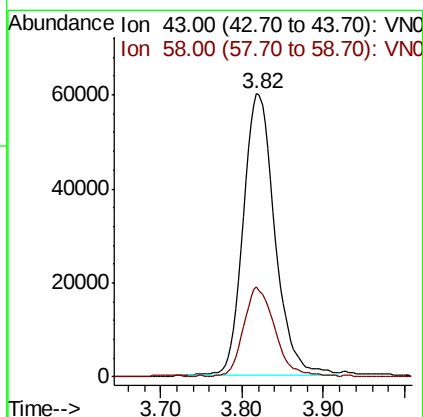
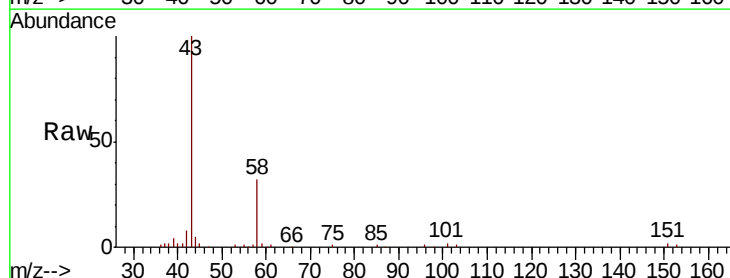
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS02

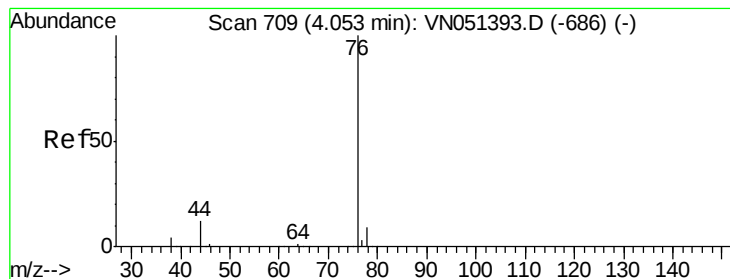
Tgt Ion: 53 Resp: 227976
 Ion Ratio Lower Upper
 53 100
 52 81.5 66.2 99.2
 51 36.1 28.6 42.8



#16
 Acetone
 Concen: 100.928 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 43 Resp: 159815
 Ion Ratio Lower Upper
 43 100
 58 31.5 25.0 37.4





#17

Carbon Disulfide

Concen: 23.398 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

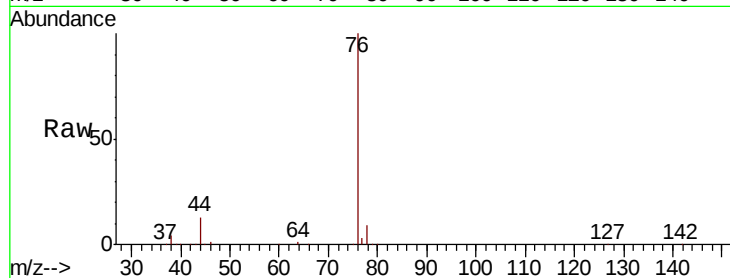
VN0923WBS02

Tgt Ion: 76 Resp: 380909

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

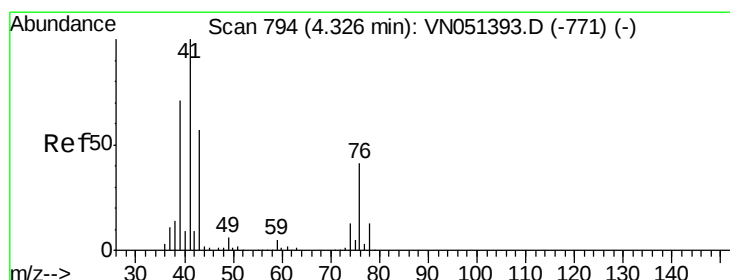
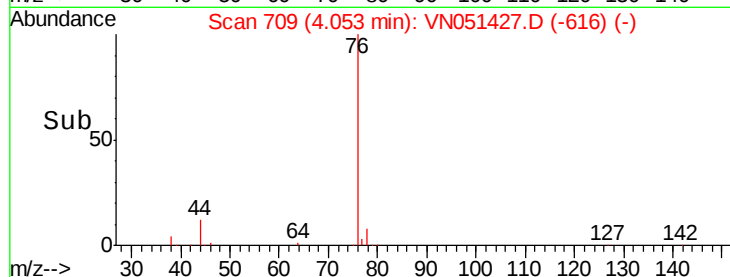
50000

0

4.05

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 25.952 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051427.D

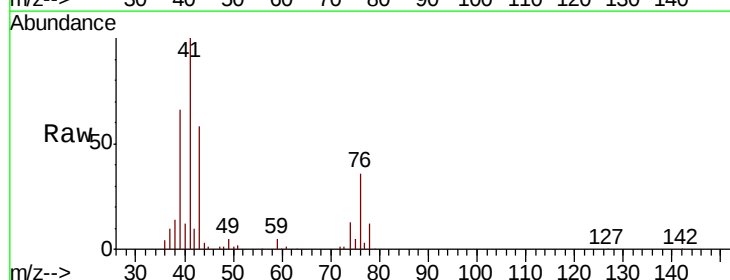
Acq: 23 Sep 2018 21:44

Tgt Ion: 43 Resp: 123308

Ion Ratio Lower Upper

43 100

74 21.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

50000

40000

30000

20000

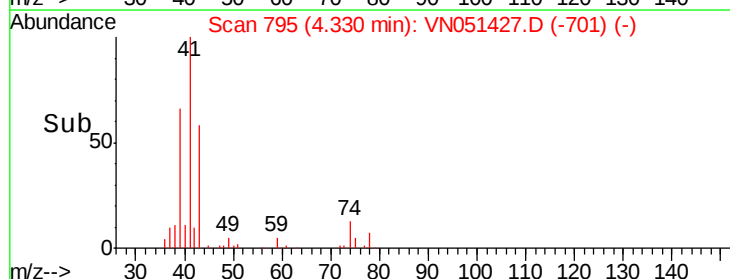
10000

0

4.33

4.20 4.30 4.40 4.50

Time-->

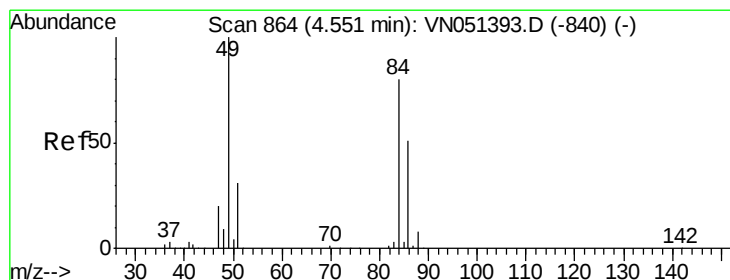
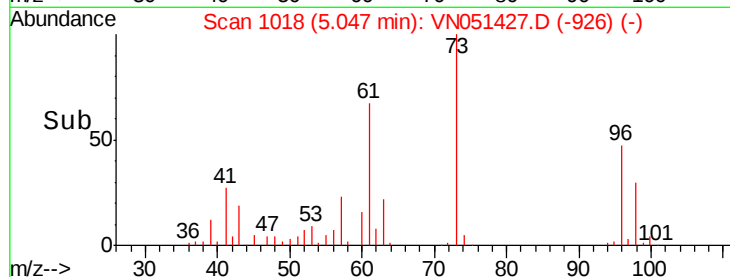
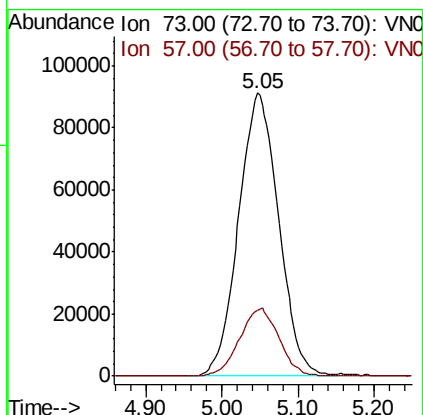
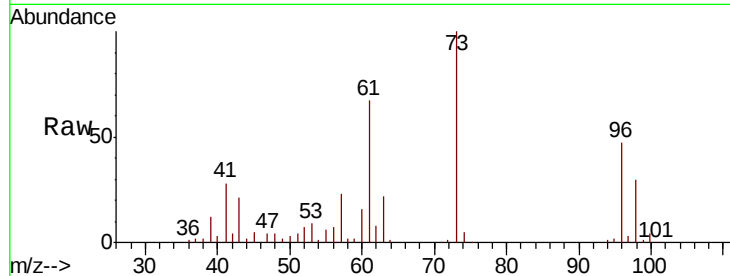




#19
Methyl tert-butyl Ether
Concen: 23.347 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

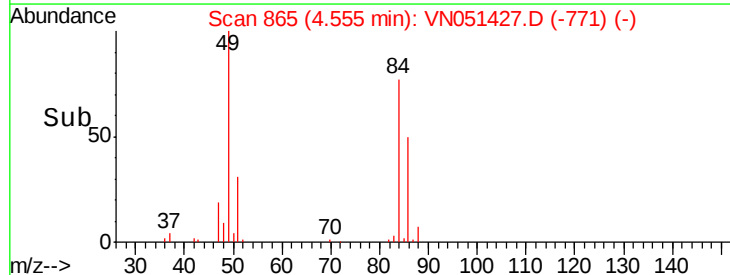
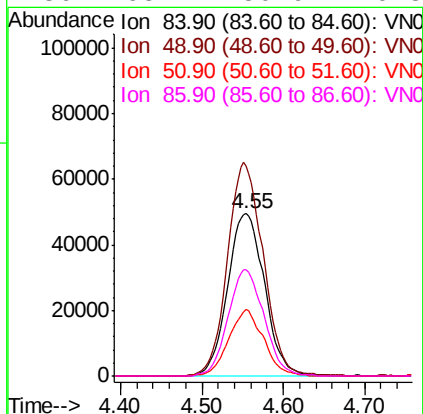
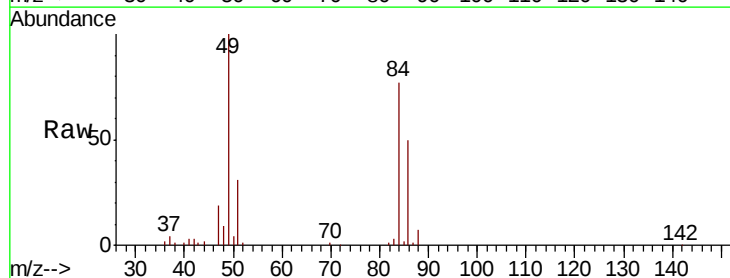
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

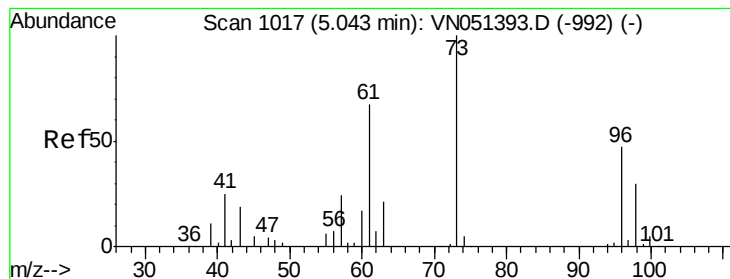
Tgt Ion: 73 Resp: 333594
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 25.319 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 84 Resp: 156306
Ion Ratio Lower Upper
84 100
49 129.2 99.9 149.9
51 40.8 31.4 47.2
86 65.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 24.133 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

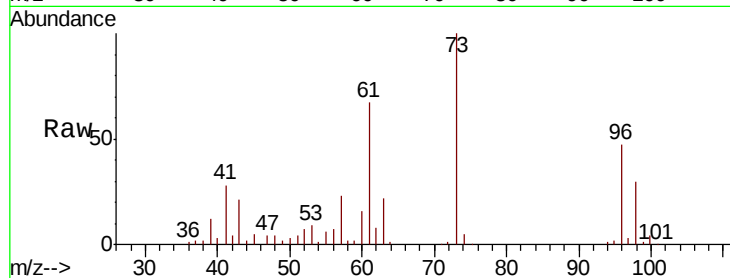
Tgt Ion: 96 Resp: 136795

Ion Ratio Lower Upper

96 100

61 142.7 113.4 170.2

98 65.3 51.1 76.7

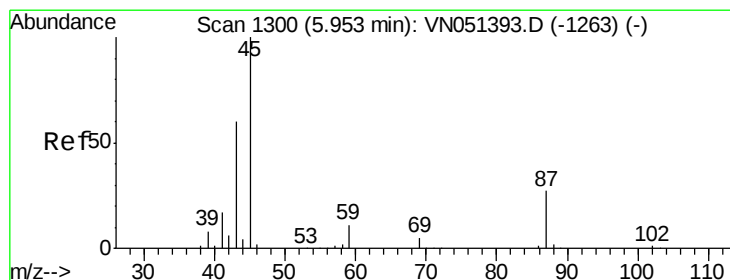
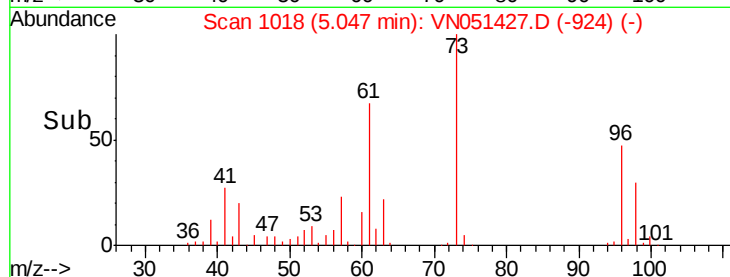
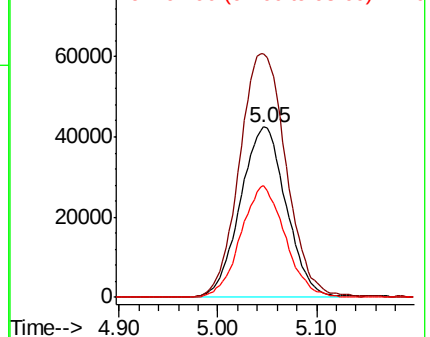


Abundance

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: 21.325 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Tgt Ion: 45 Resp: 383219

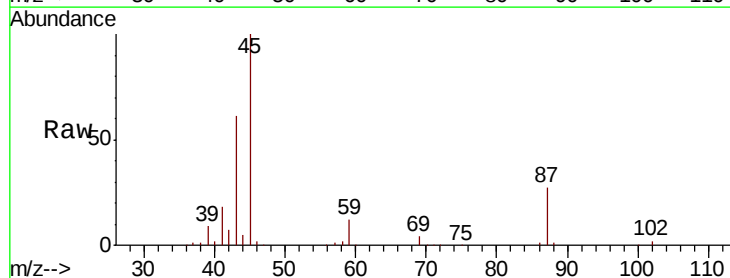
Ion Ratio Lower Upper

45 100

43 58.7 47.7 71.5

87 26.5 22.0 33.0

59 11.7 9.3 13.9



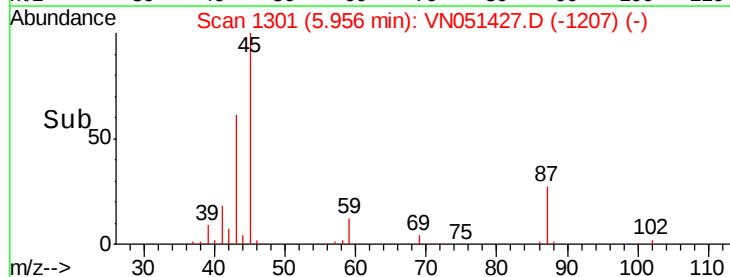
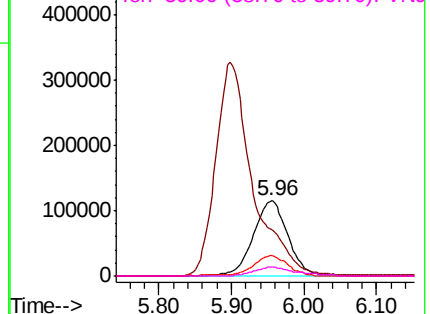
Abundance

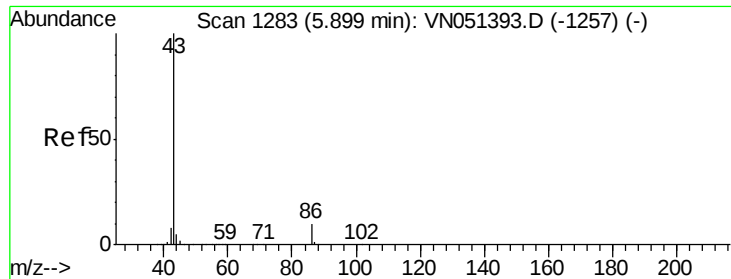
Ion 45.00 (44.70 to 45.70): VN0

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

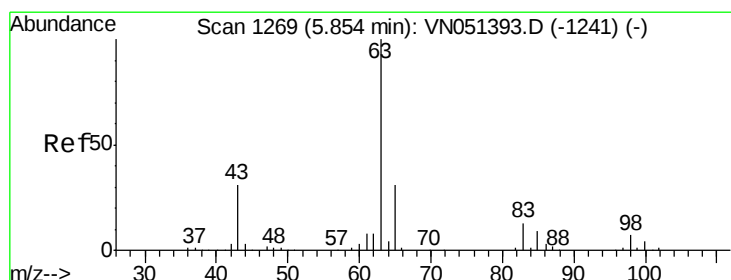
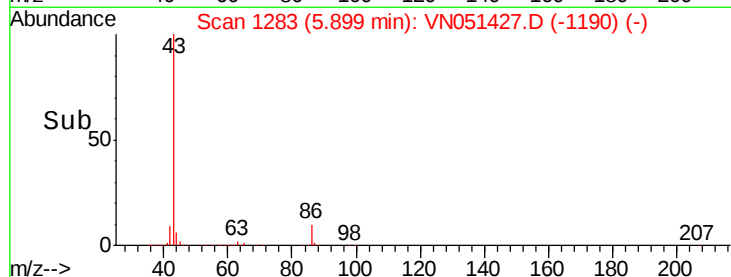
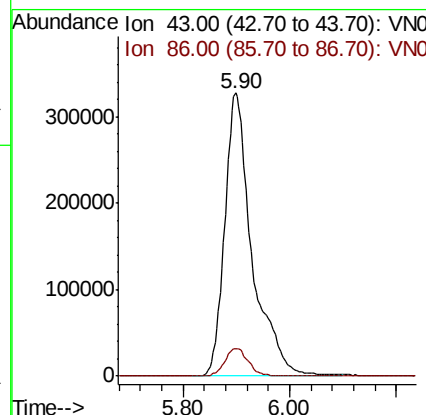
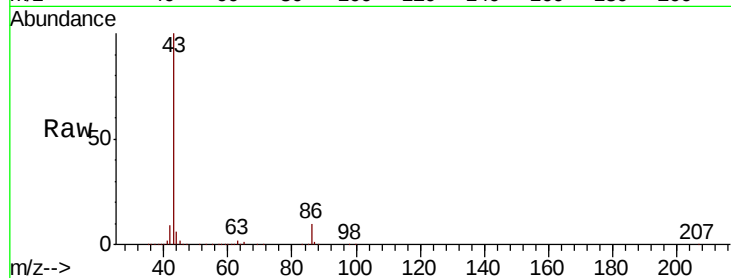




#23
 Vinyl Acetate
 Concen: 98.933 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

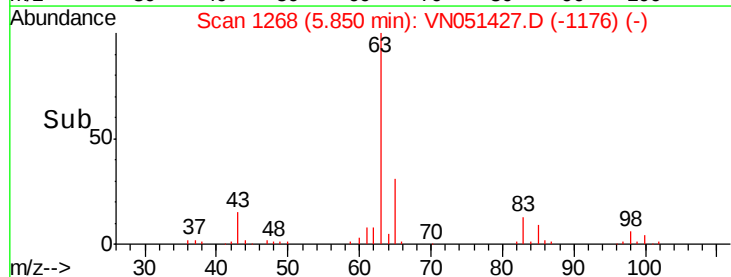
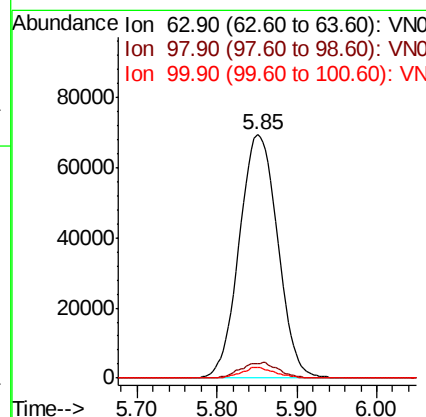
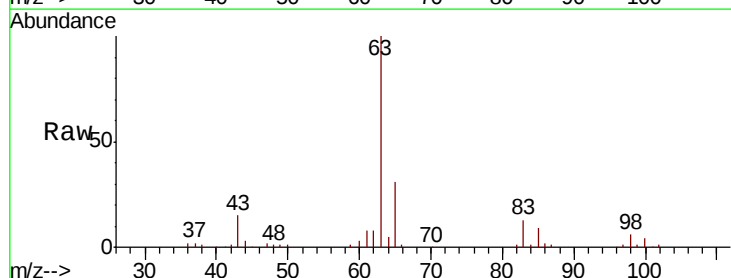
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

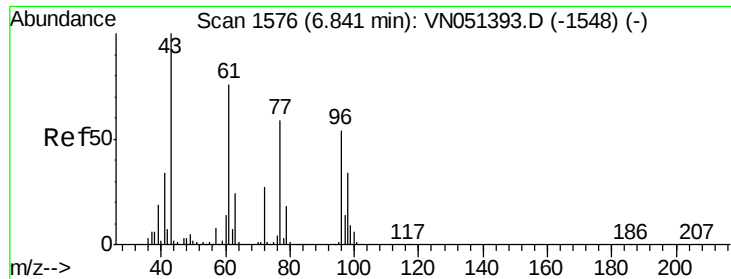
Tgt Ion: 43 Resp: 1167209
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 21.112 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 63 Resp: 226372
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 87.121 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

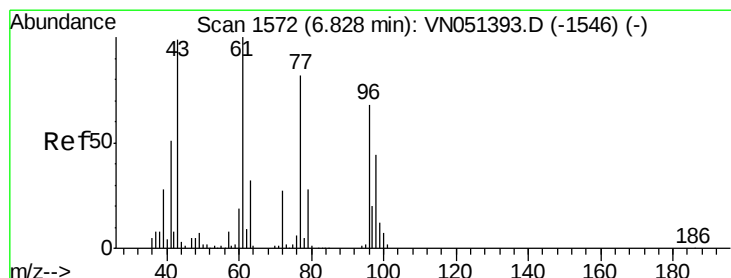
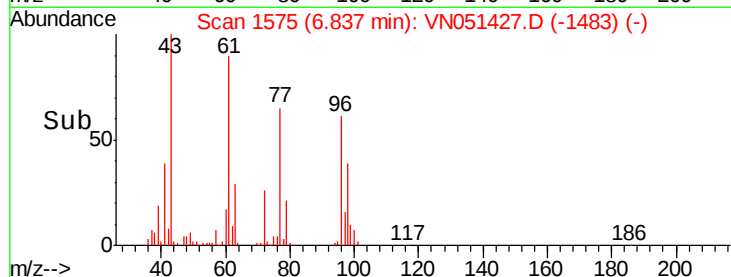
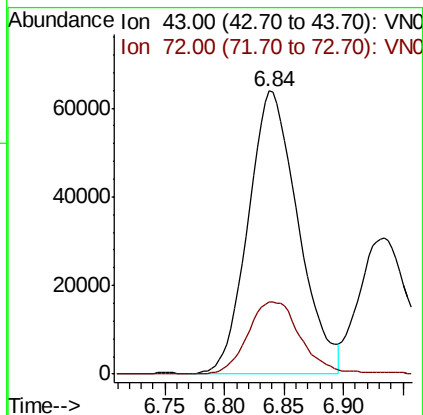
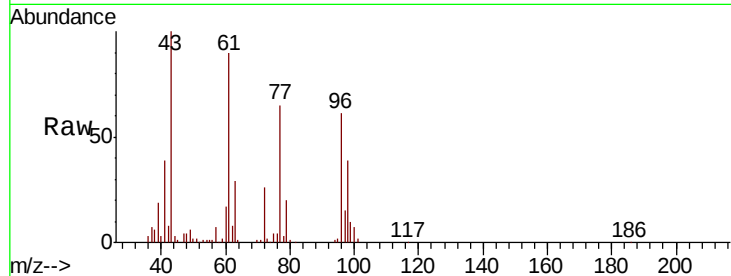
VN0923WBS02

Tgt Ion: 43 Resp: 186033

Ion Ratio Lower Upper

43 100

72 25.6 21.8 32.6



#26

2,2-Dichloropropane

Concen: 17.273 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051427.D

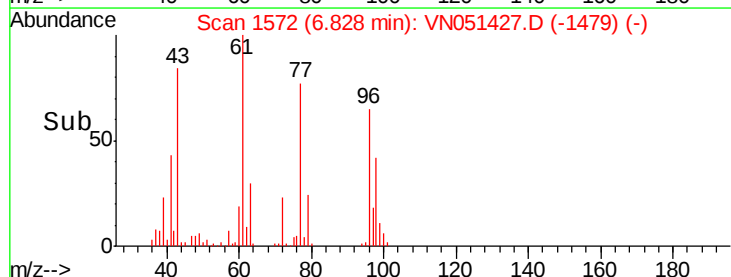
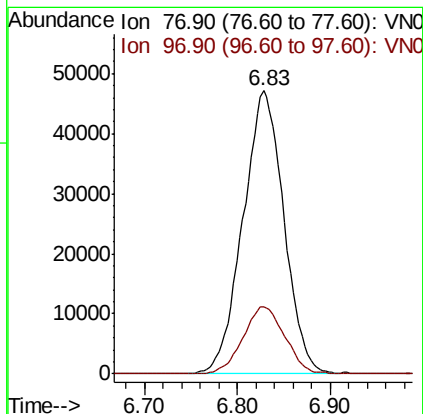
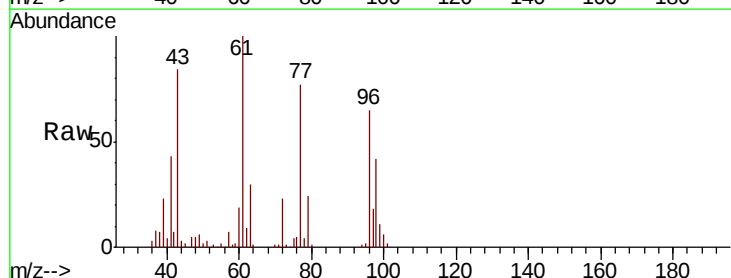
Acq: 23 Sep 2018 21:44

Tgt Ion: 77 Resp: 144573

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.184 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

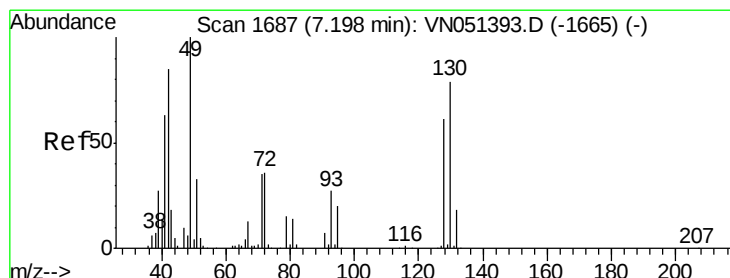
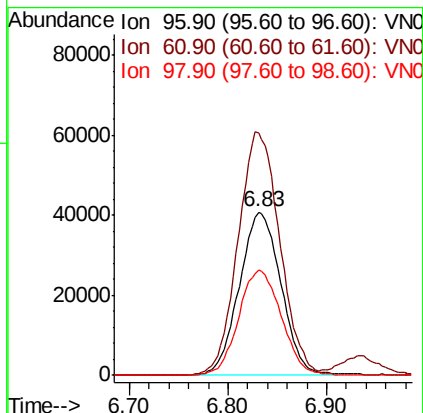
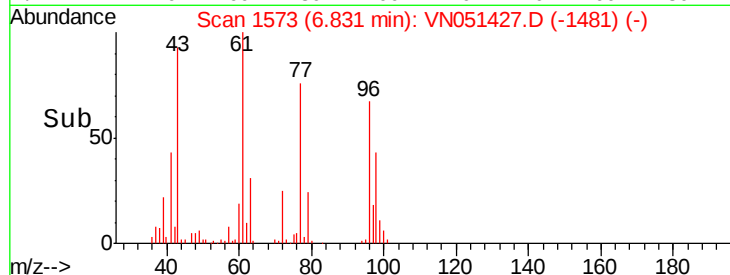
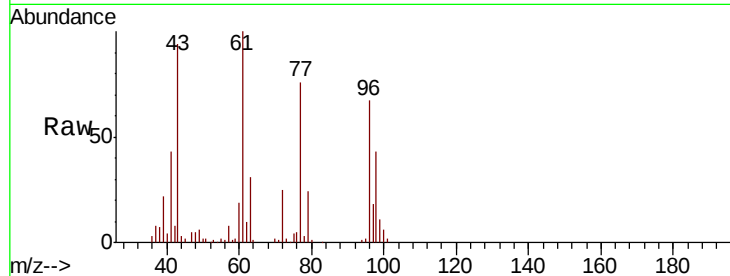
Tgt Ion: 96 Resp: 119320

Ion Ratio Lower Upper

96 100

61 149.3 0.0 291.4

98 65.9 0.0 128.4



#28

Bromochloromethane

Concen: 20.316 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

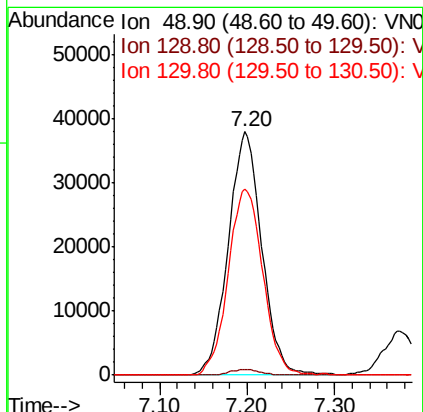
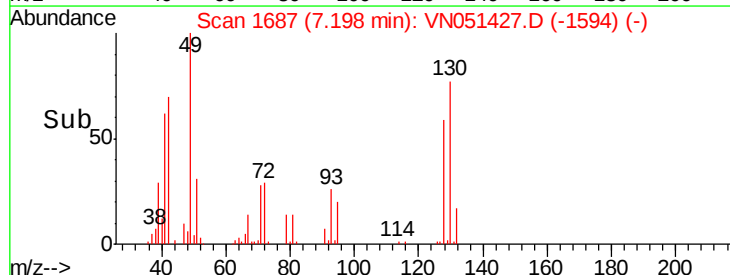
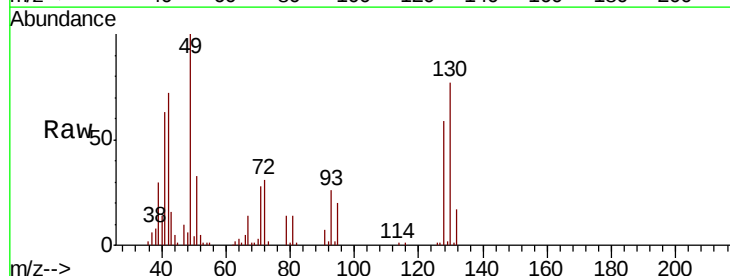
Tgt Ion: 49 Resp: 100595

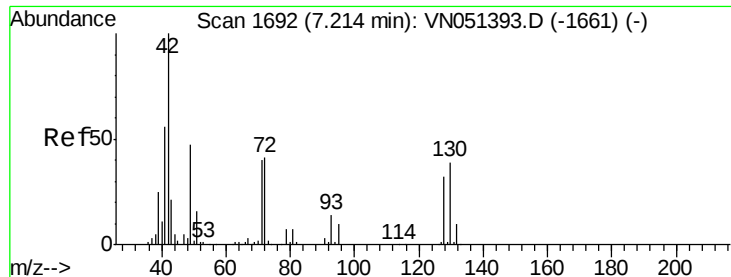
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 79.0 63.0 94.4

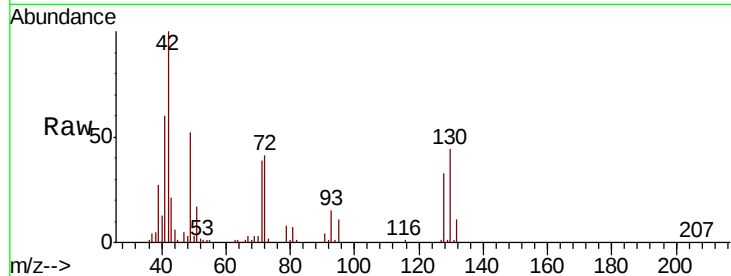




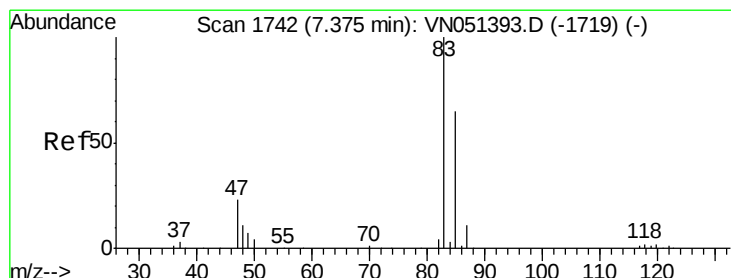
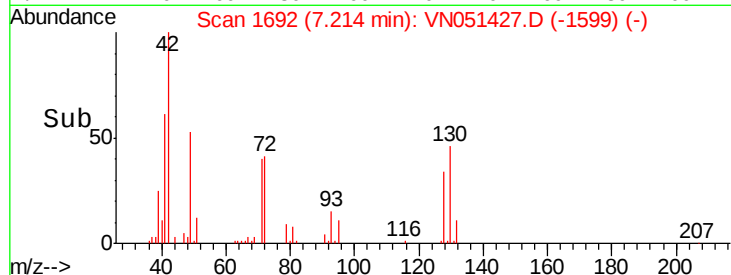
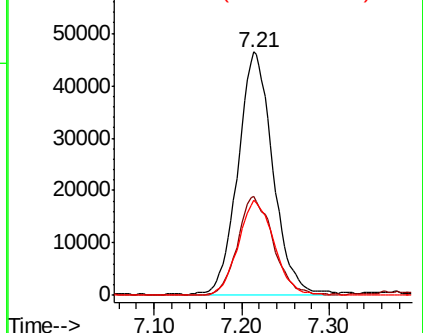
#29
Tetrahydrofuran
Concen: 96.052 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tgt Ion: 42 Resp: 129976
Ion Ratio Lower Upper
42 100
72 41.0 34.3 51.5
71 39.6 32.2 48.4

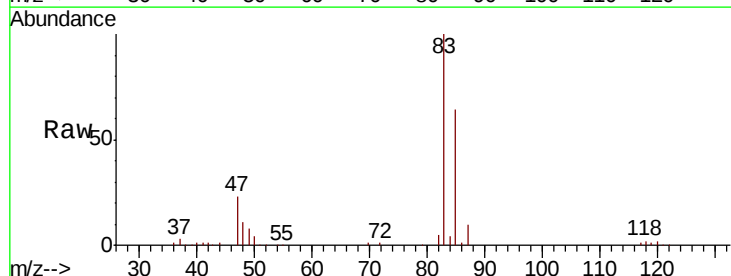


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

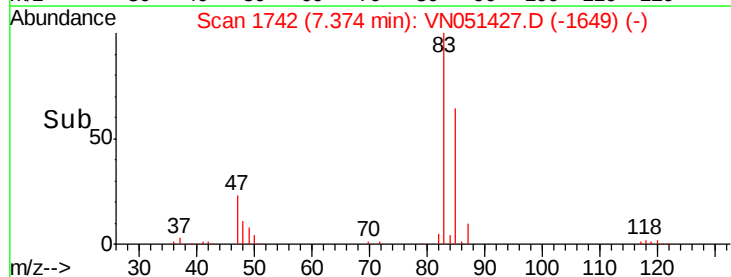
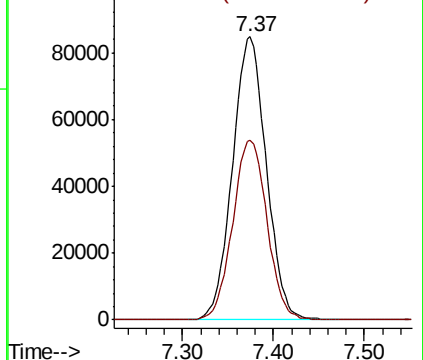


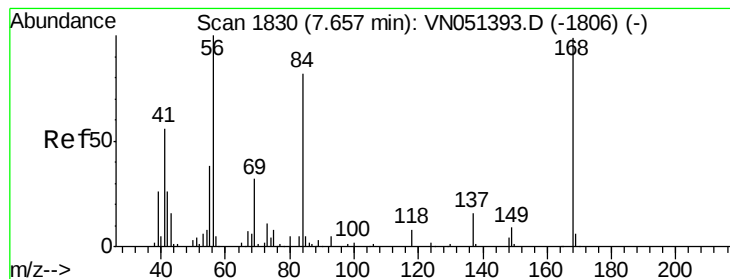
#30
Chloroform
Concen: 20.611 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 83 Resp: 218976
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6



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





#31

Cyclohexane

Concen: 19.204 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

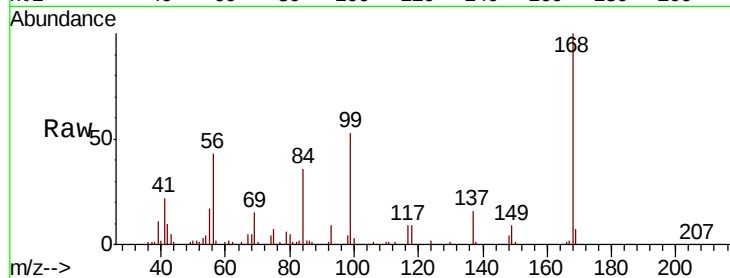
Tgt Ion: 56 Resp: 188649

Ion Ratio Lower Upper

56 100

69 34.7 25.8 38.6

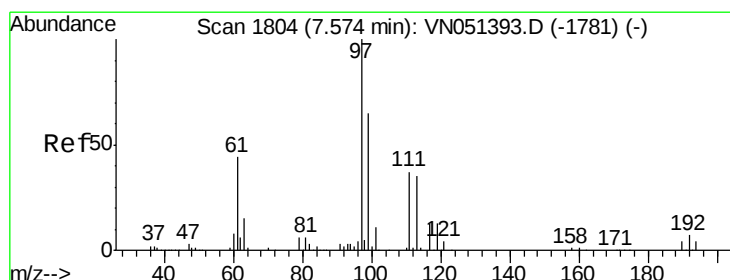
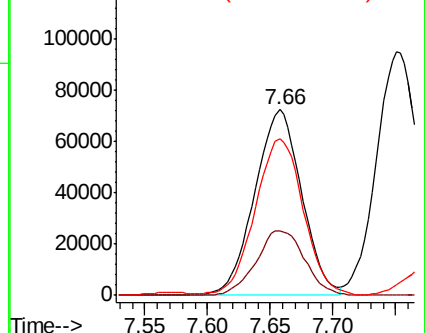
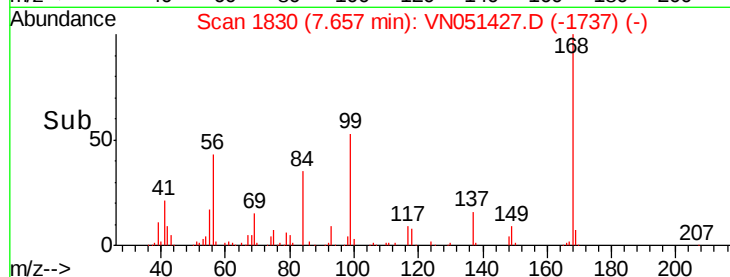
84 83.1 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN051427.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051427.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051427.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 20.773 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

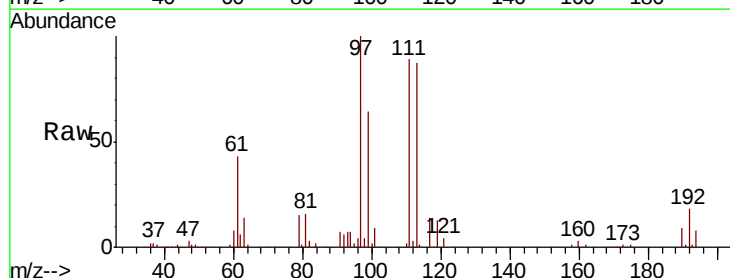
Tgt Ion: 97 Resp: 188671

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

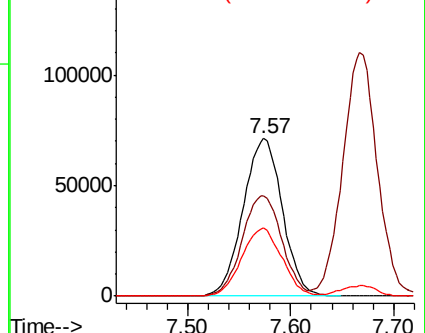
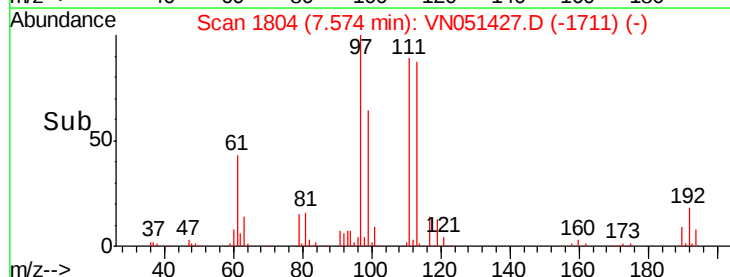
61 44.2 35.8 53.8

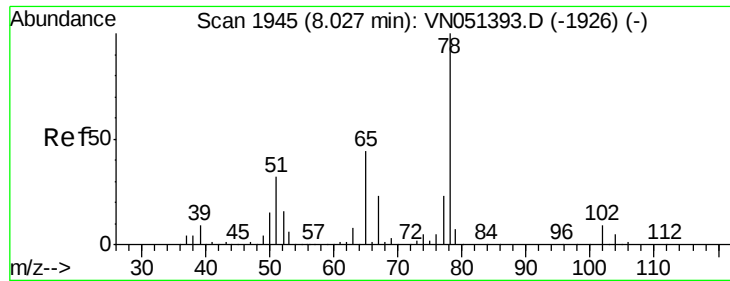


Abundance Ion 96.90 (96.60 to 97.60): VN051427.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051427.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051427.D (-1711) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.970 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

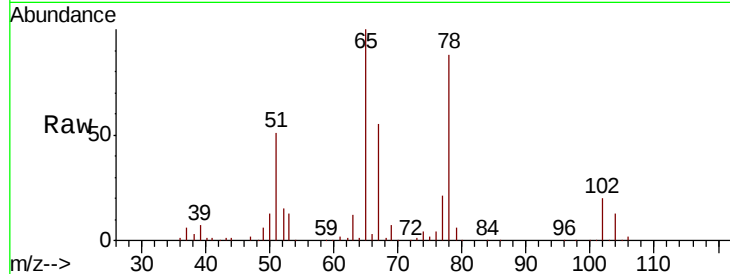
VN0923WBS02

Tgt Ion: 65 Resp: 324224

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051393.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051393.D (-1926) (-)

8.03

150000

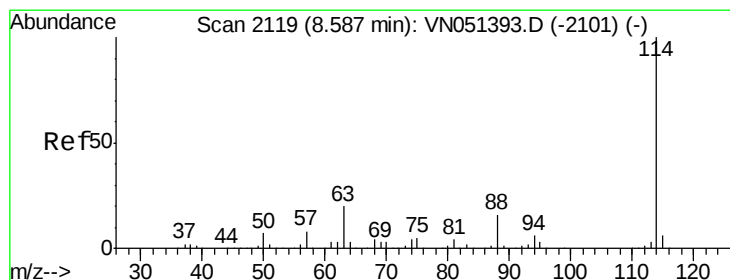
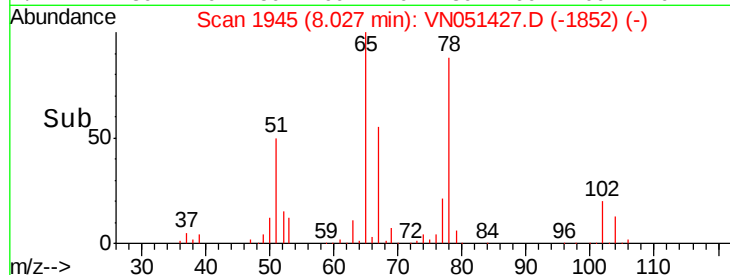
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

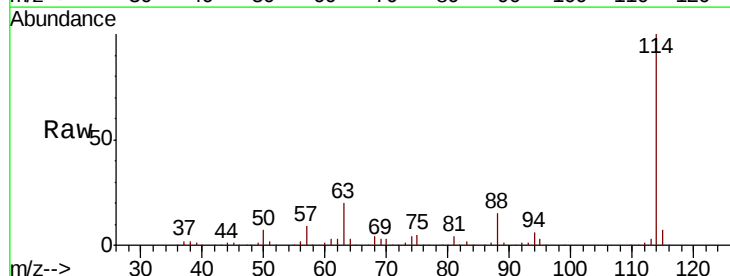
Tgt Ion: 114 Resp: 725838

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN051393.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051393.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051393.D (-2101) (-)

8.59

400000

300000

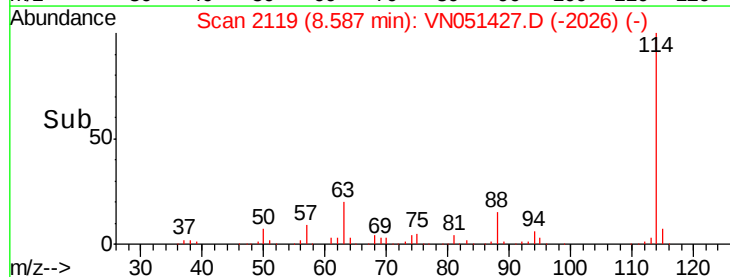
200000

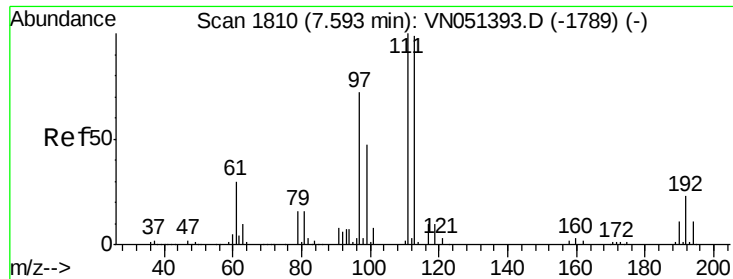
100000

0

8.50 8.60 8.70

Time-->

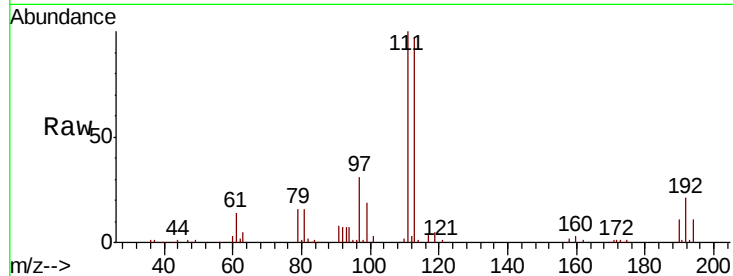




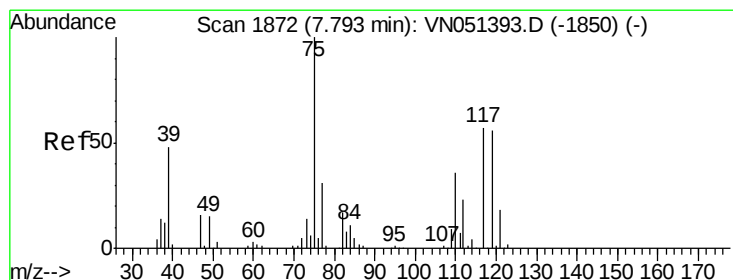
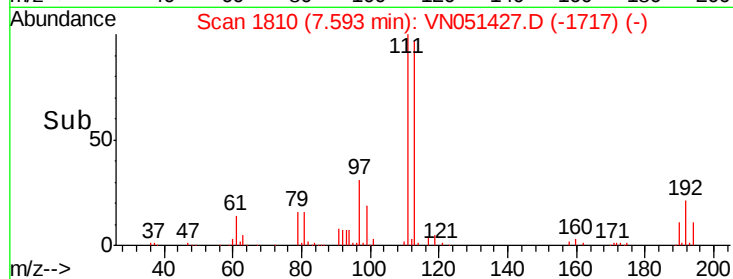
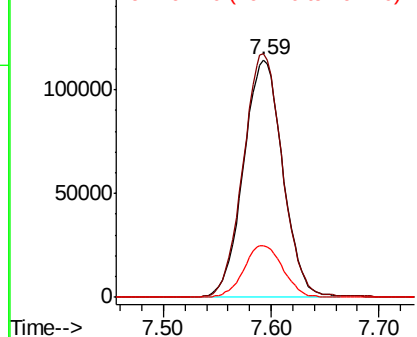
#35
 Dibromofluoromethane
 Concen: 49.890 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tgt Ion: 113 Resp: 289574
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 21.8 18.0 27.0

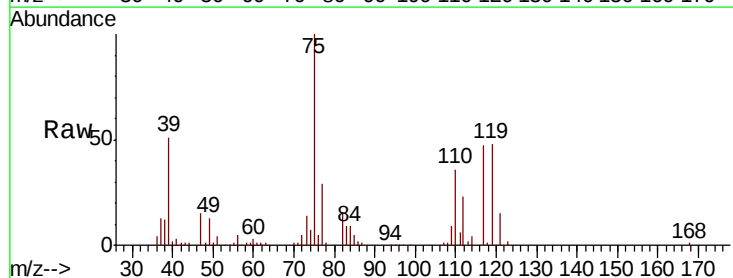


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

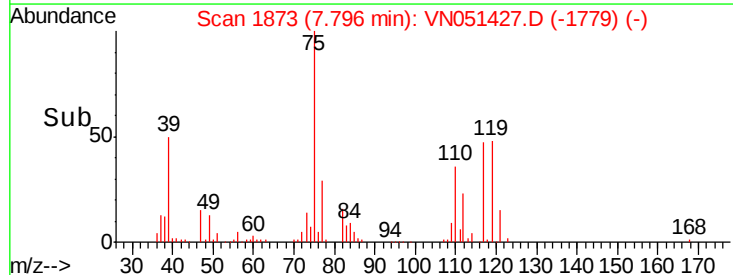
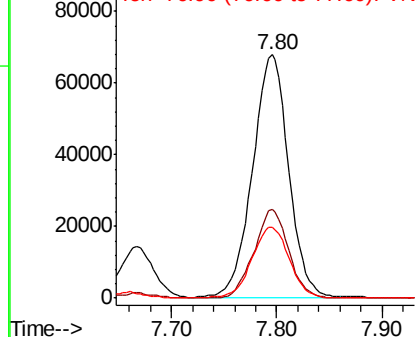


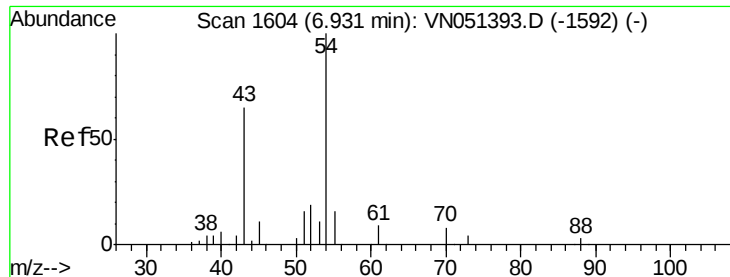
#36
 1,1-Dichloropropene
 Concen: 19.132 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 75 Resp: 160810
 Ion Ratio Lower Upper
 75 100
 110 35.1 18.1 54.3
 77 30.6 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

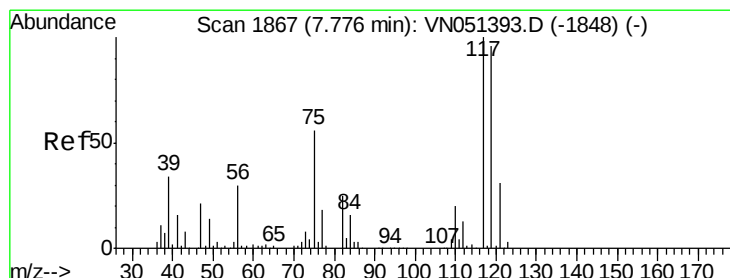
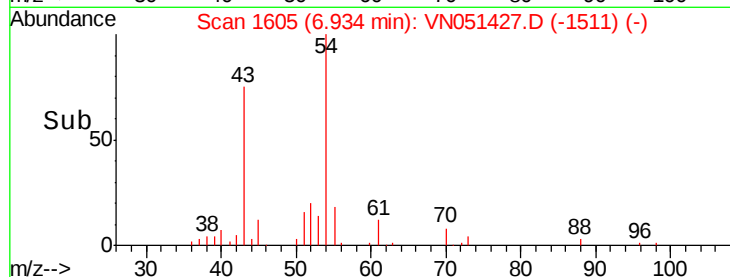
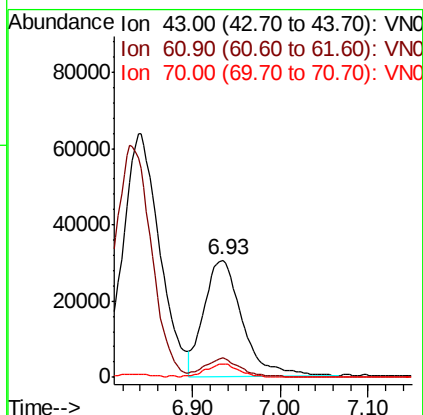
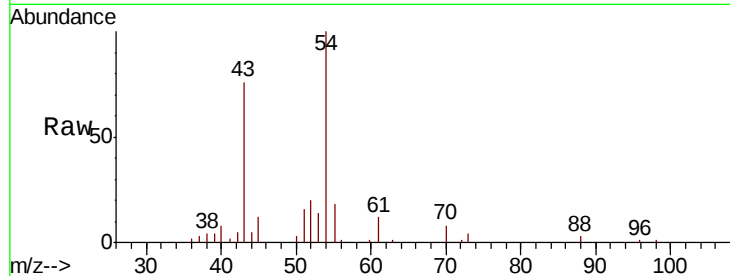




#37
Ethyl Acetate
Concen: 19.309 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

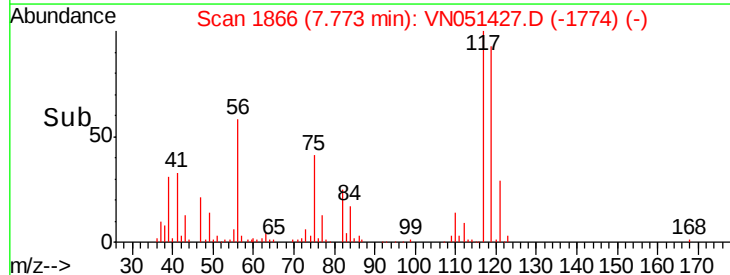
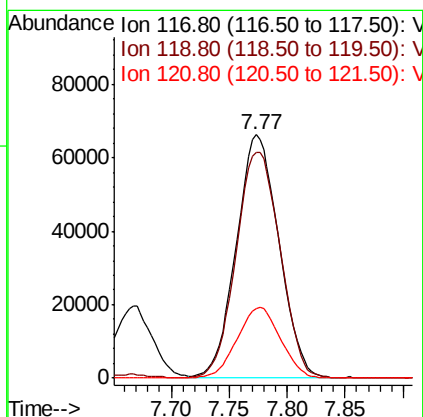
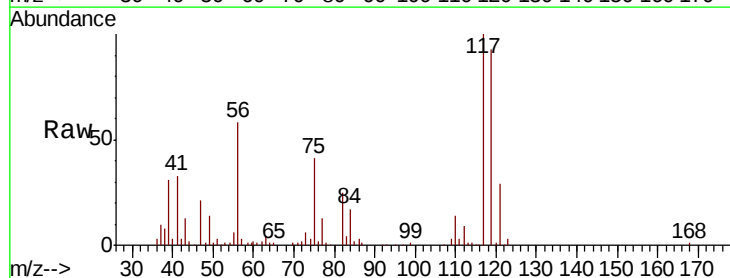
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

Tgt Ion: 43 Resp: 93316
Ion Ratio Lower Upper
43 100
61 13.5 11.5 17.3
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.203 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 117 Resp: 168823
Ion Ratio Lower Upper
117 100
119 93.1 76.9 115.3
121 28.6 24.6 37.0

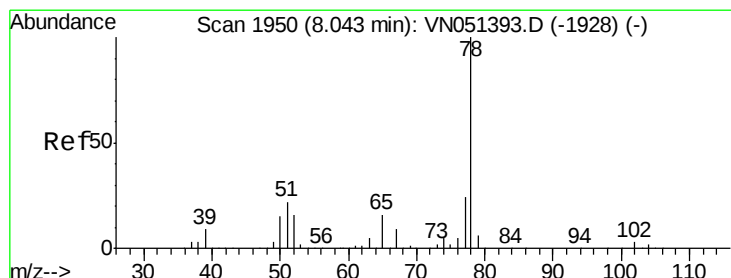
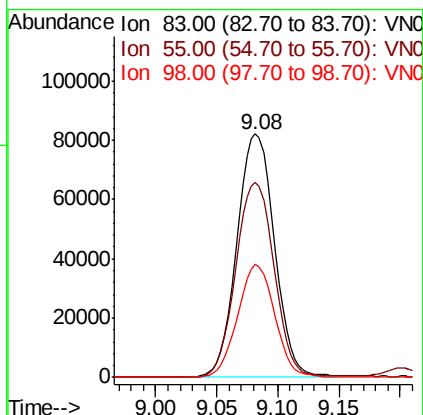
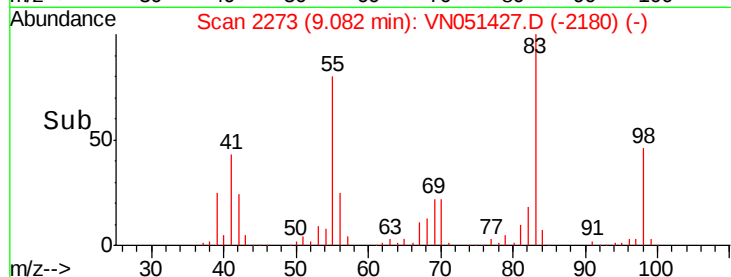
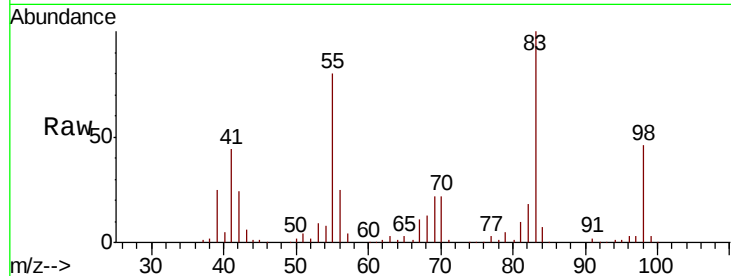




#39
Methylcyclohexane
Concen: 17.817 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

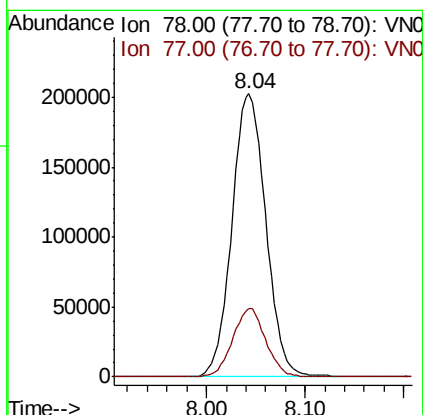
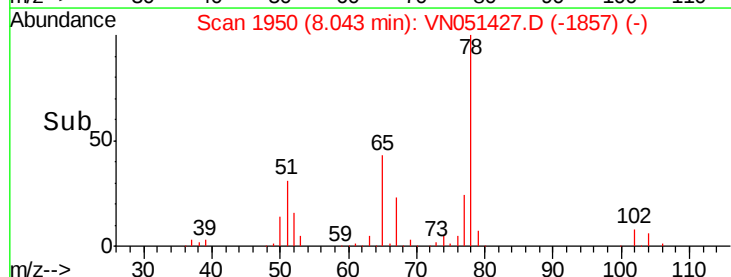
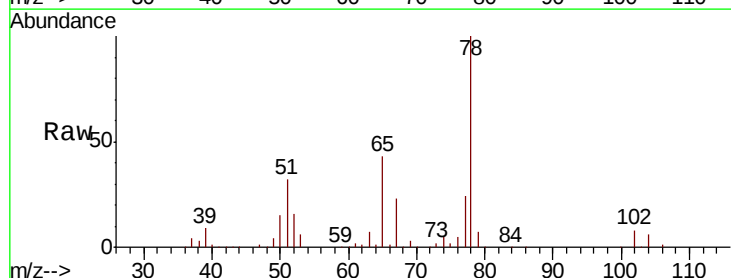
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

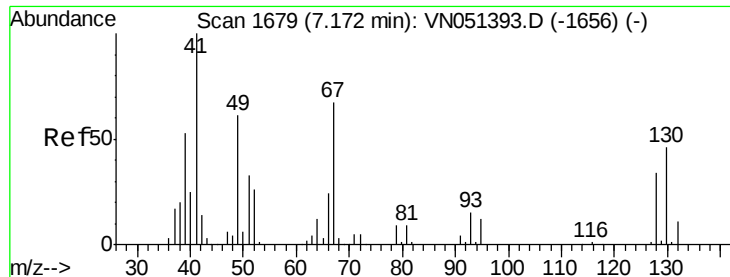
Tgt Ion: 83 Resp: 175072
Ion Ratio Lower Upper
83 100
55 80.0 61.0 91.4
98 46.3 35.6 53.4



#40
Benzene
Concen: 19.586 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 78 Resp: 483384
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

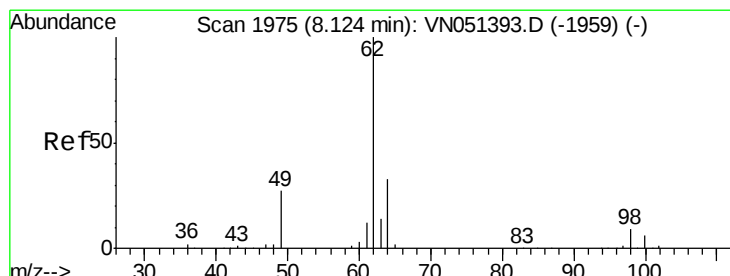
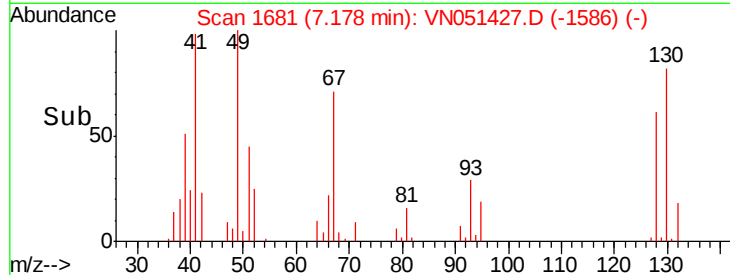
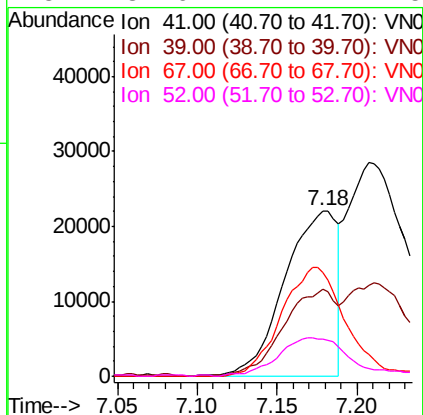
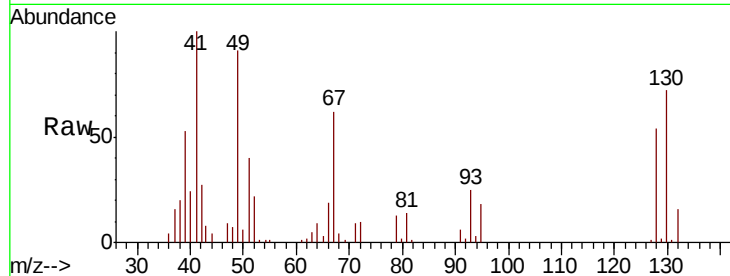




#41
Methacrylonitrile
Concen: 18.899 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

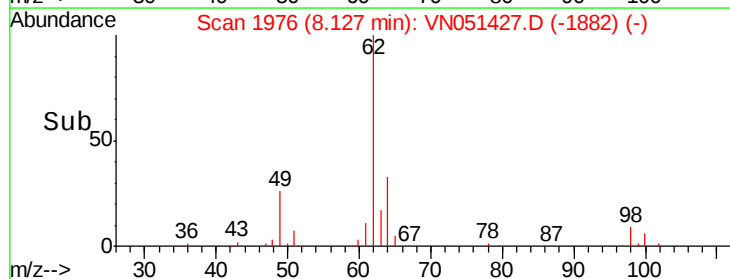
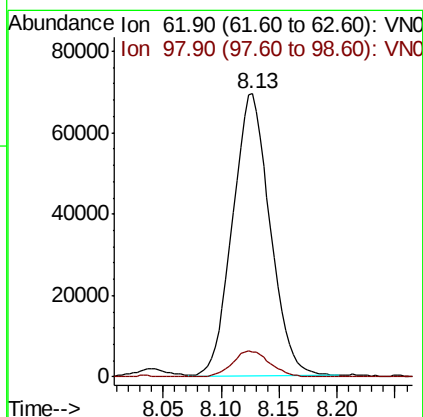
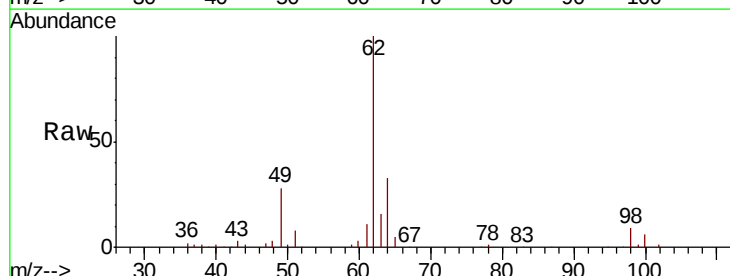
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

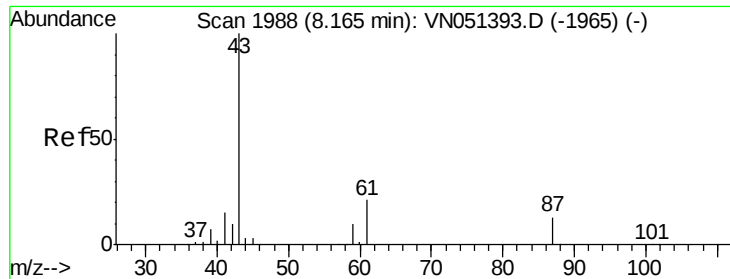
Tgt Ion:	41	Resp:	50531
Ion	Ratio	Lower	Upper
41	100		
39	52.7	51.4	77.2
67	79.9	66.8	100.2
52	31.6	27.7	41.5



#42
1,2-Dichloroethane
Concen: 19.647 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion:	62	Resp:	155261
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.805 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

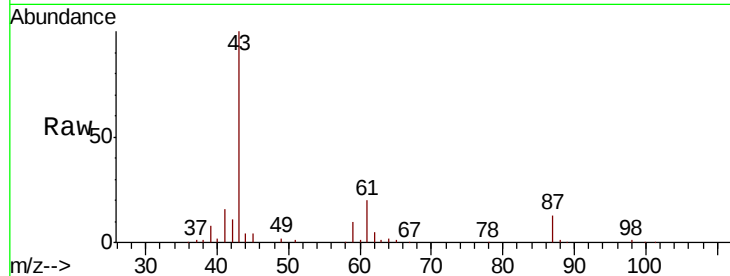
Tgt Ion: 43 Resp: 173073

Ion Ratio Lower Upper

43 100

61 28.5 16.8 25.2#

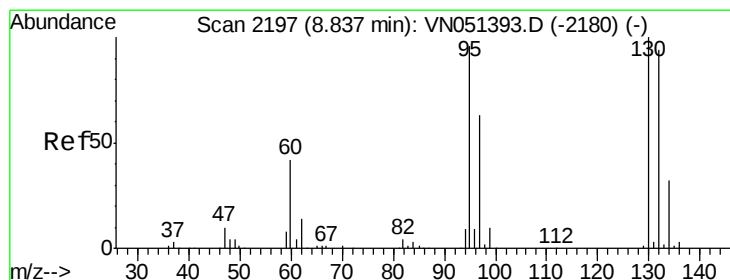
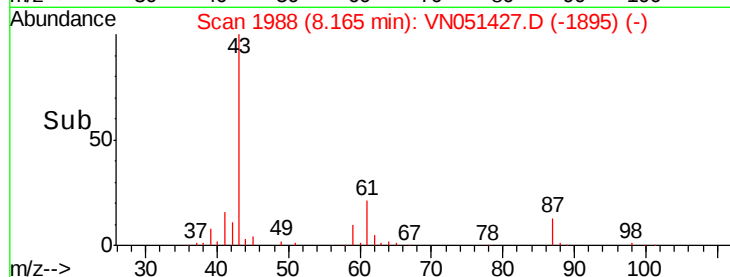
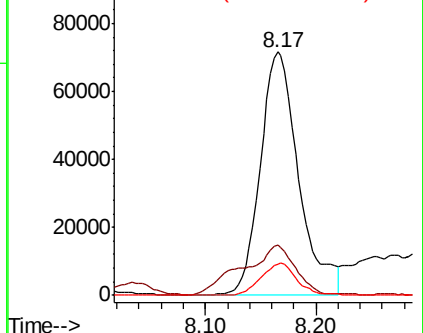
87 12.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#44

Trichloroethene

Concen: 19.160 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051427.D

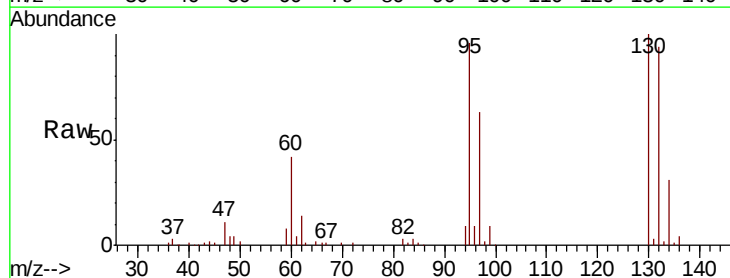
Acq: 23 Sep 2018 21:44

Tgt Ion: 130 Resp: 125596

Ion Ratio Lower Upper

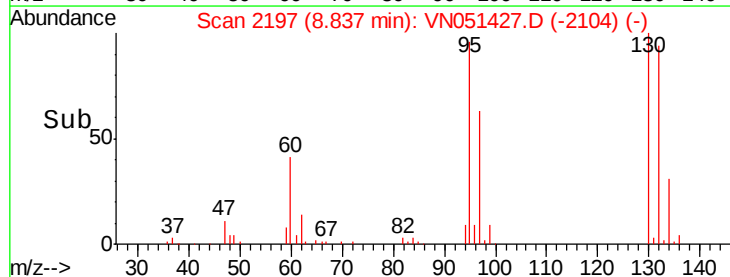
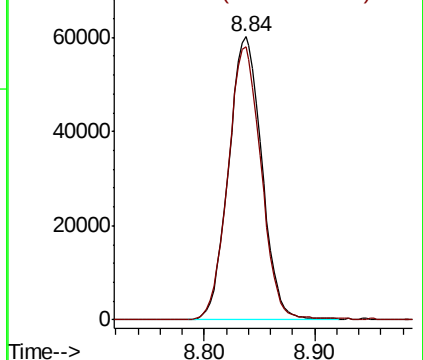
130 100

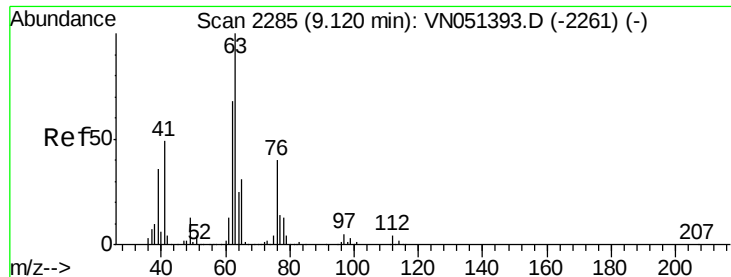
95 96.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.683 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

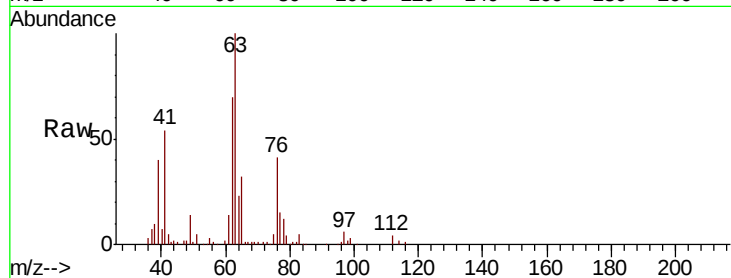
VN0923WBS02

Tgt Ion: 63 Resp: 132049

Ion Ratio Lower Upper

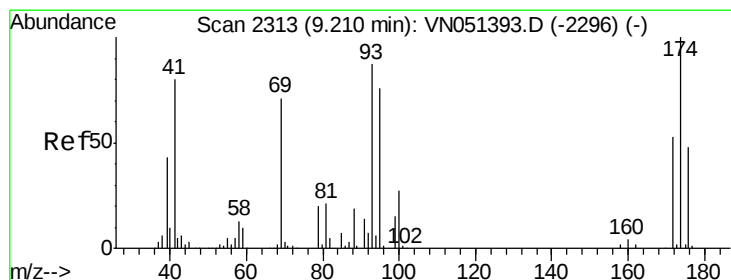
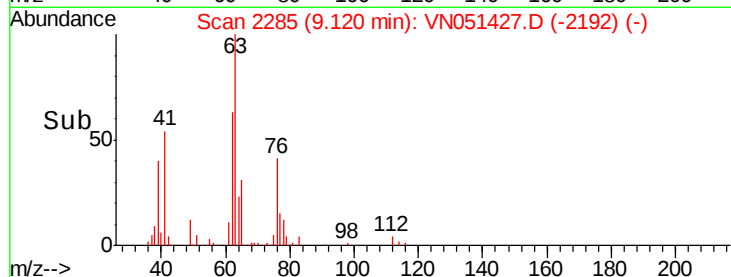
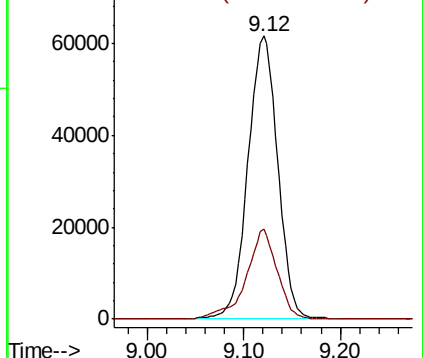
63 100

65 31.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.329 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

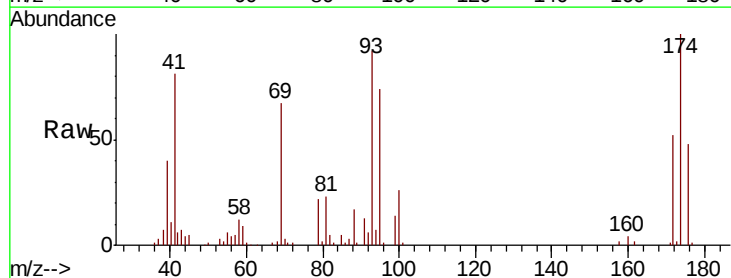
Tgt Ion: 93 Resp: 73268

Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

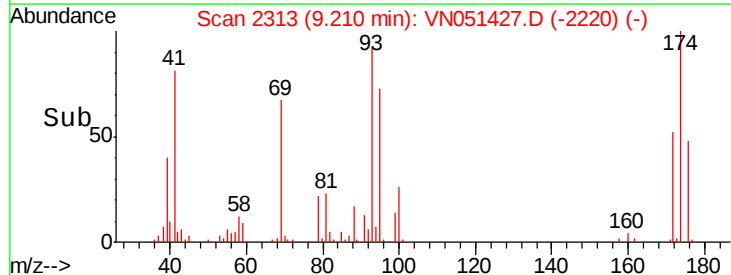
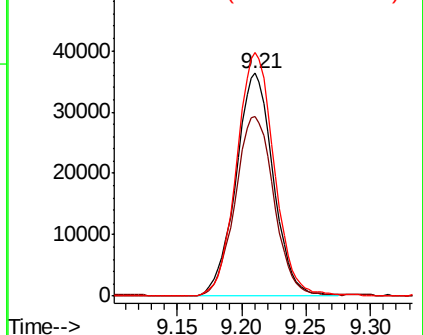
174 110.1 89.6 134.4

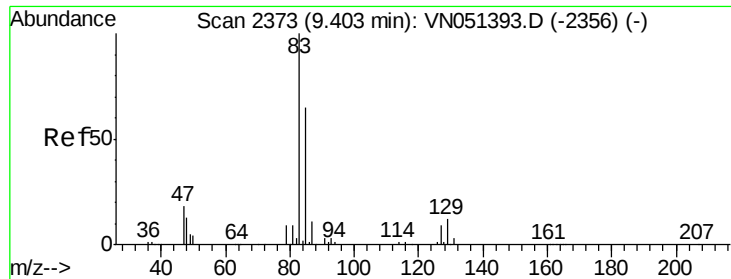


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

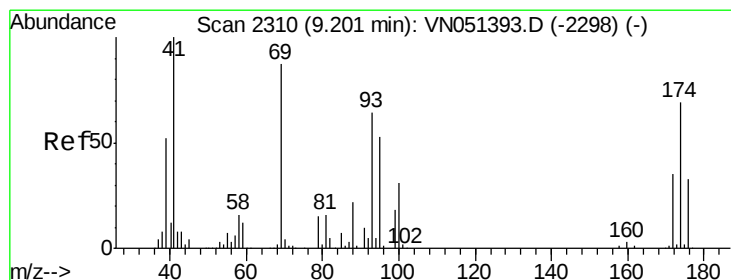
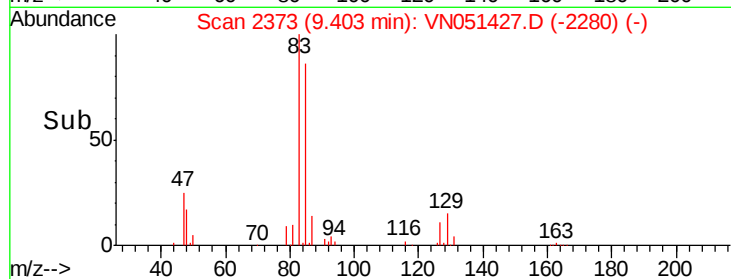
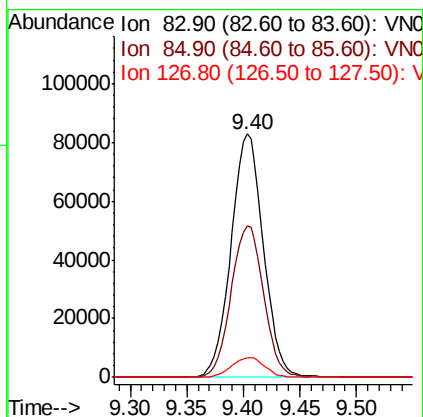
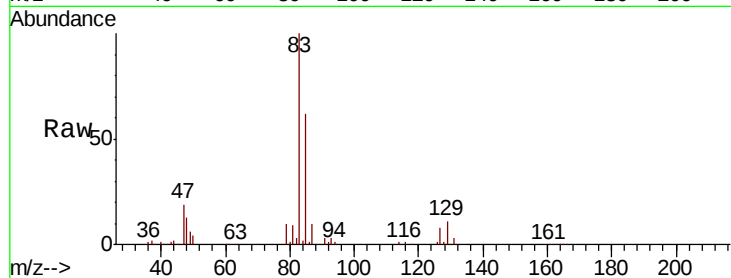




#47
Bromodichloromethane
Concen: 19.691 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

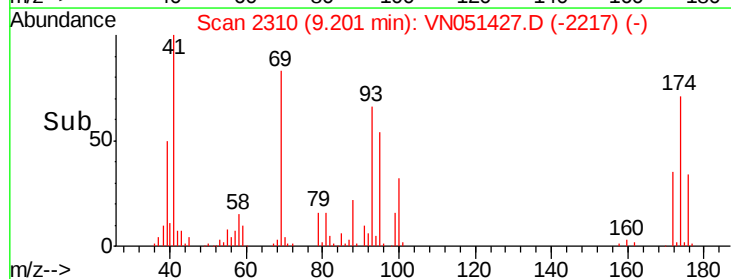
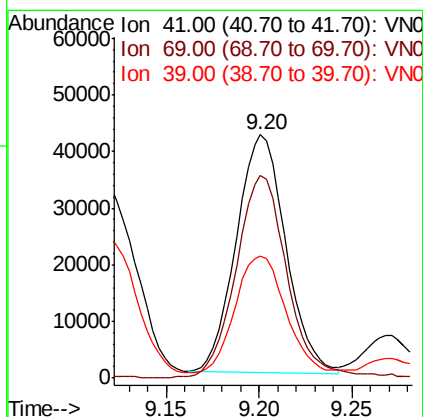
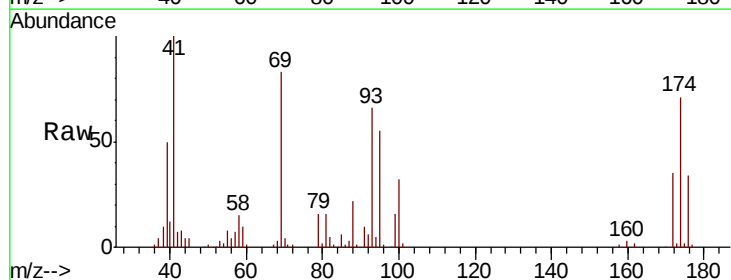
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

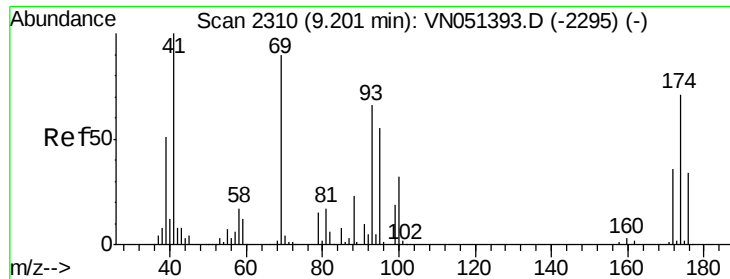
Tgt Ion: 83 Resp: 165176
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.6
127 8.1 7.4 11.2



#48
Methyl methacrylate
Concen: 17.972 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 41 Resp: 78301
Ion Ratio Lower Upper
41 100
69 88.4 70.4 105.6
39 54.9 43.8 65.8





#49

1,4-Dioxane

Concen: 353.112 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

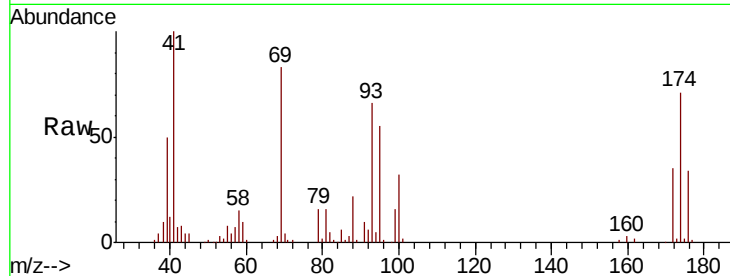
Tgt Ion: 88 Resp: 18855

Ion Ratio Lower Upper

88 100

43 36.1 25.9 38.9

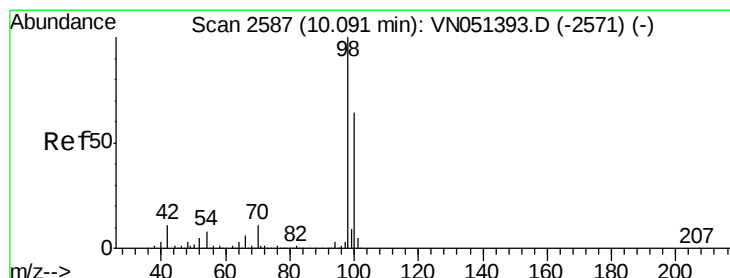
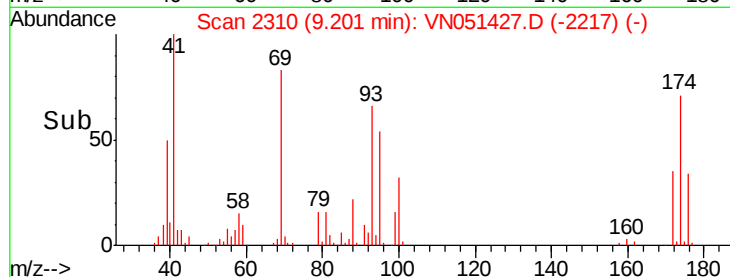
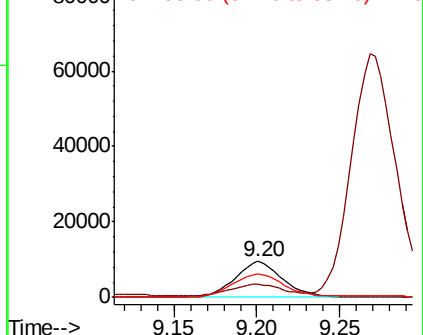
58 70.8 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VN051393.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051393.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2295) (-)



#50

Toluene-d8

Concen: 49.113 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051427.D

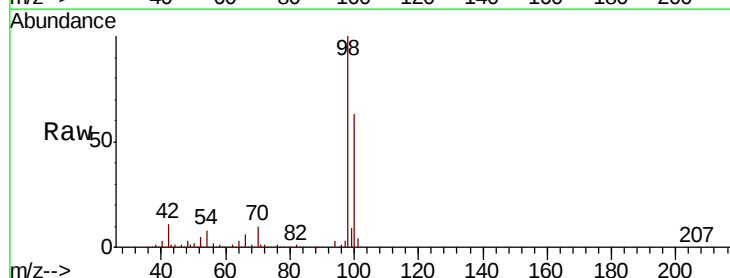
Acq: 23 Sep 2018 21:44

Tgt Ion: 98 Resp: 1073435

Ion Ratio Lower Upper

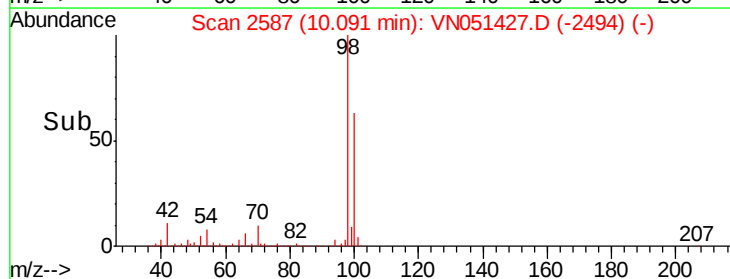
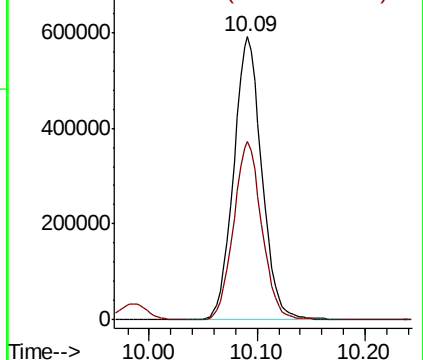
98 100

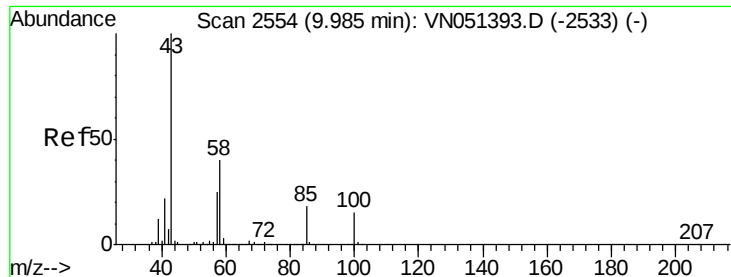
100 62.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

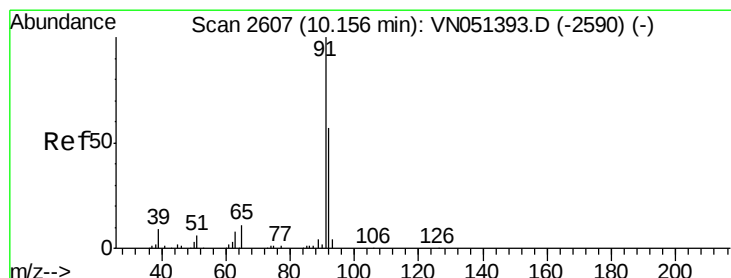
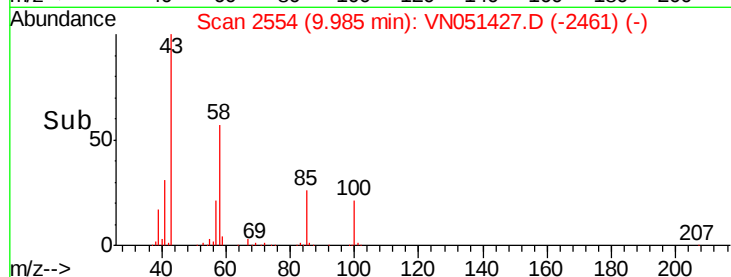
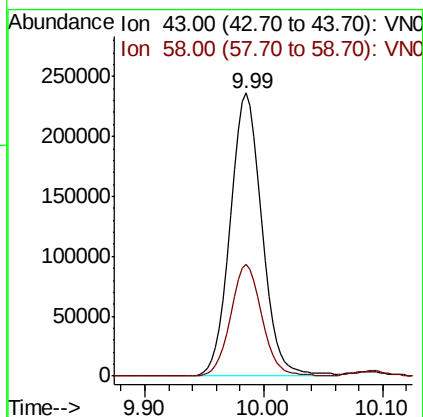
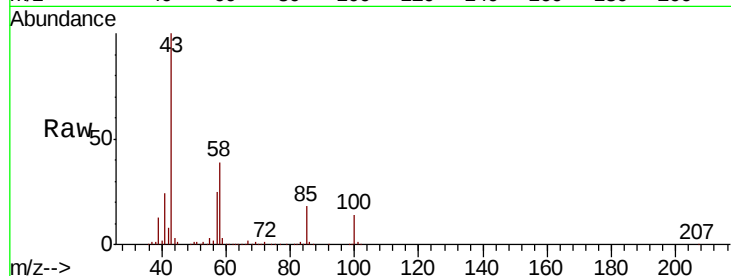




#51
 4-Methyl-2-Pentanone
 Concen: 90.546 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

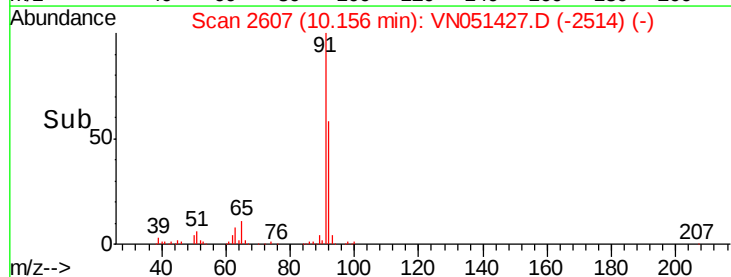
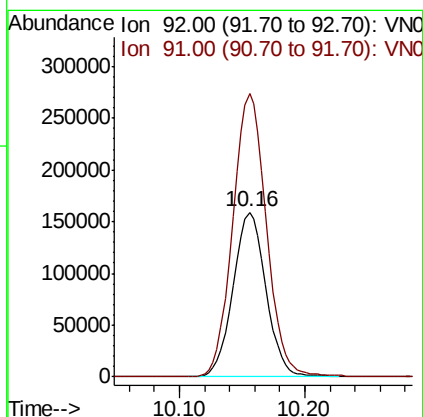
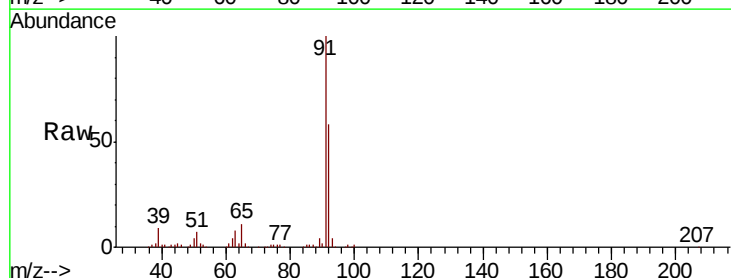
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

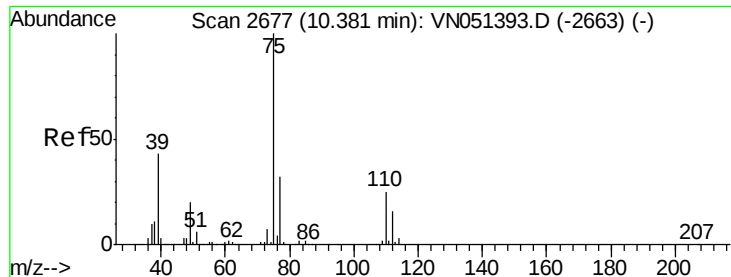
Tgt Ion: 43 Resp: 435172
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.5 47.3



#52
 Toluene
 Concen: 18.976 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 92 Resp: 291050
 Ion Ratio Lower Upper
 92 100
 91 176.0 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 17.719 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

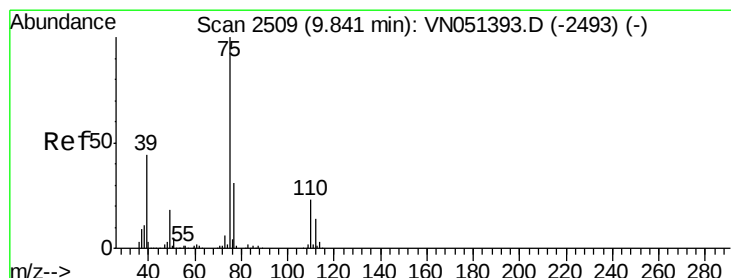
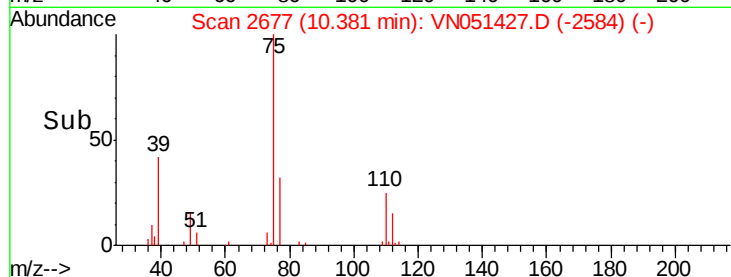
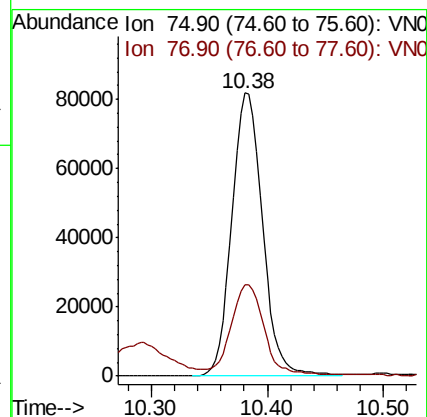
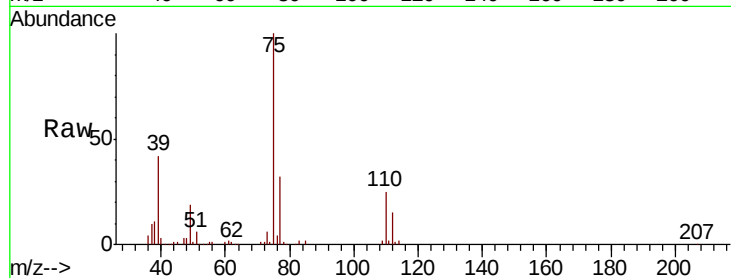
VN0923WBS02

Tgt Ion: 75 Resp: 150058

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 18.171 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

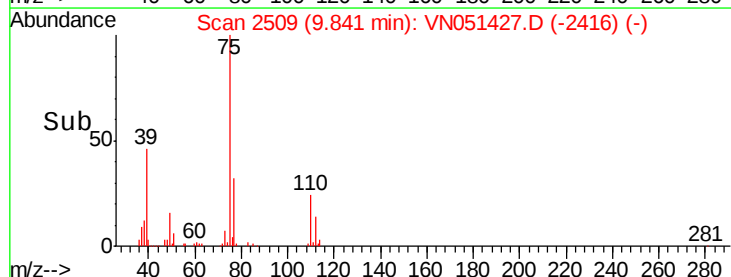
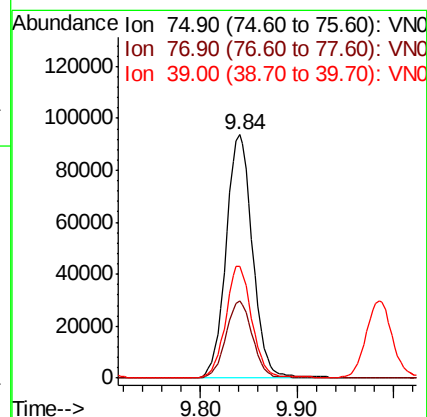
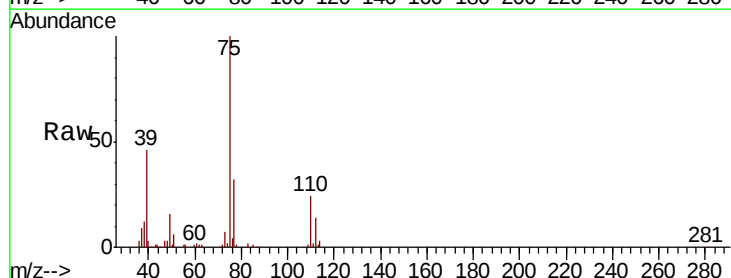
Tgt Ion: 75 Resp: 178460

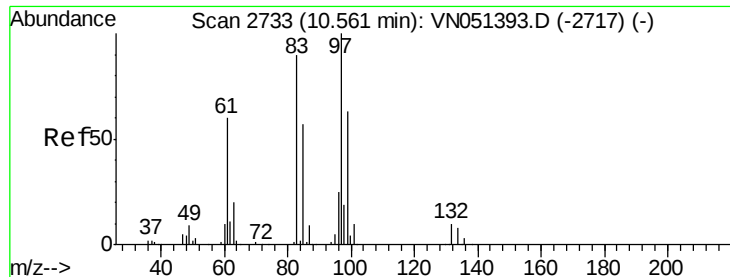
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 46.0 35.4 53.2

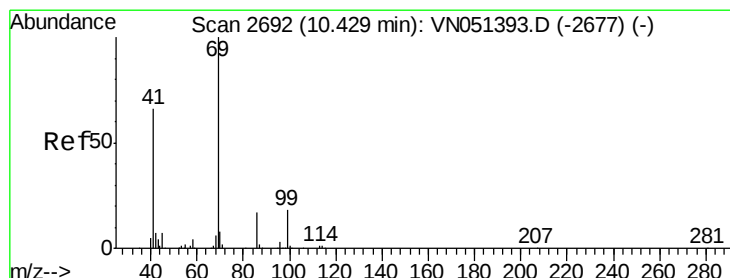
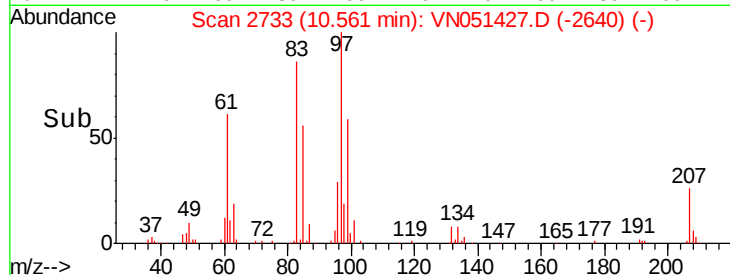
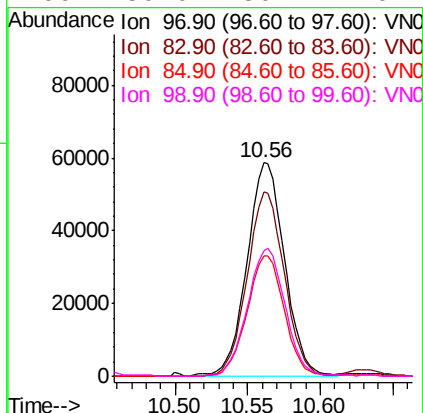
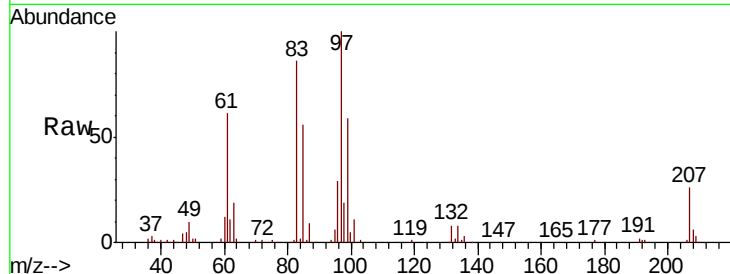




#55
 1,1,2-Trichloroethane
 Concen: 19.586 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

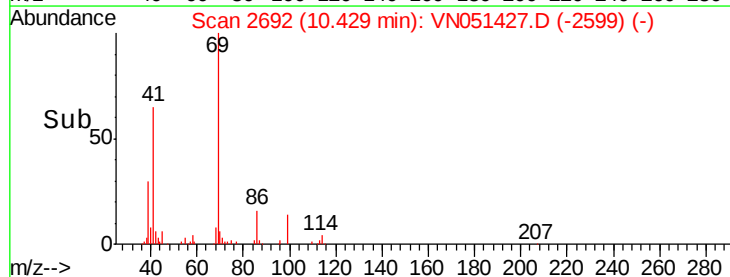
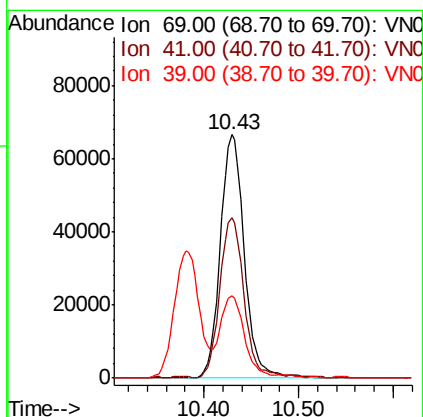
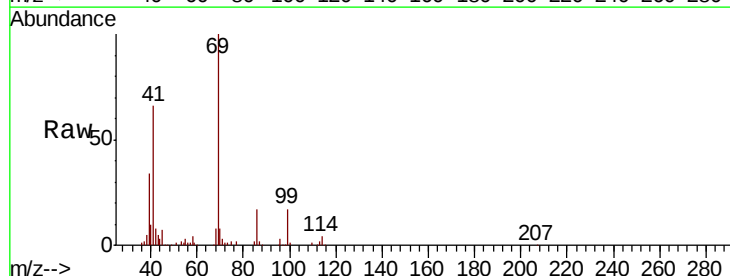
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

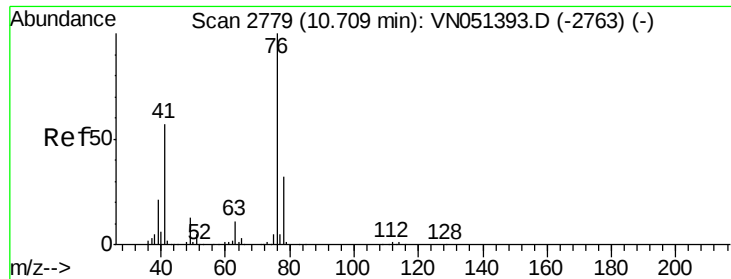
Tgt Ion:	97	Resp:	106167
Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.0	108.0
85	56.3	45.2	67.8
99	59.0	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 17.732 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion:	69	Resp:	117516
Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.4	78.6
39	32.9	26.3	39.5

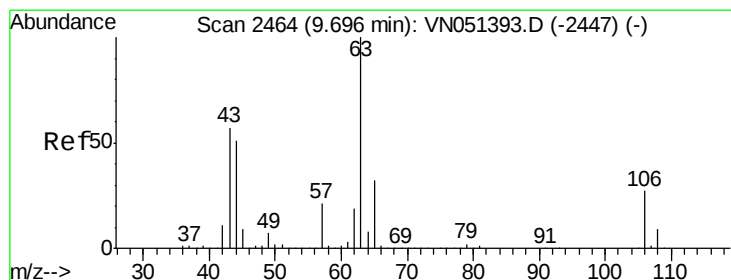
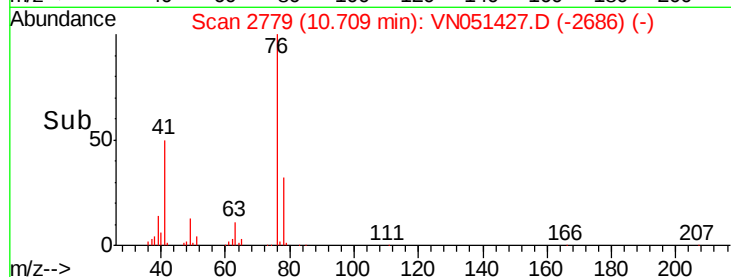
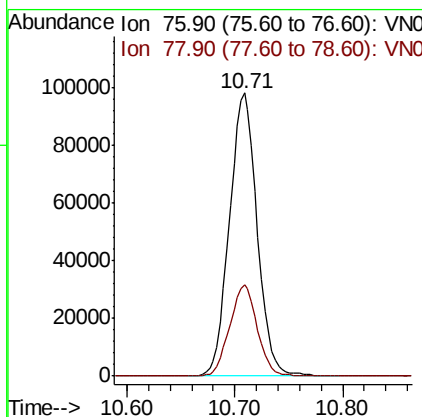
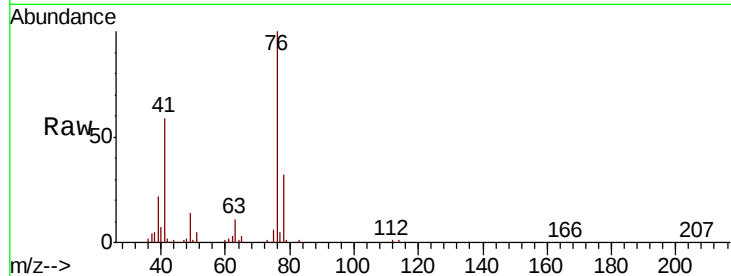




#57
 1,3-Dichloropropane
 Concen: 18.908 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

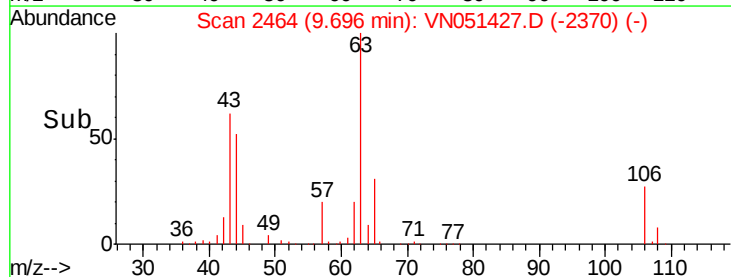
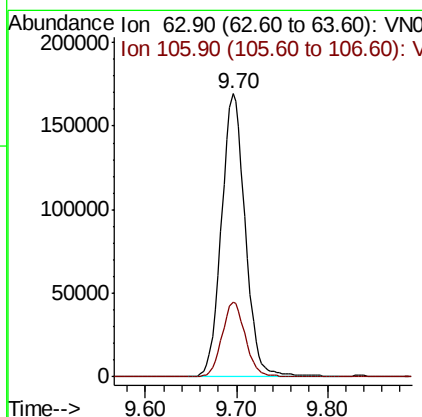
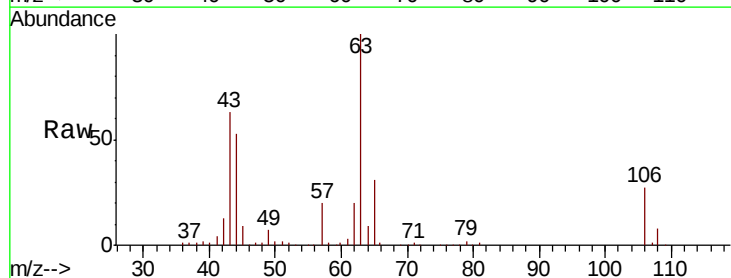
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS02

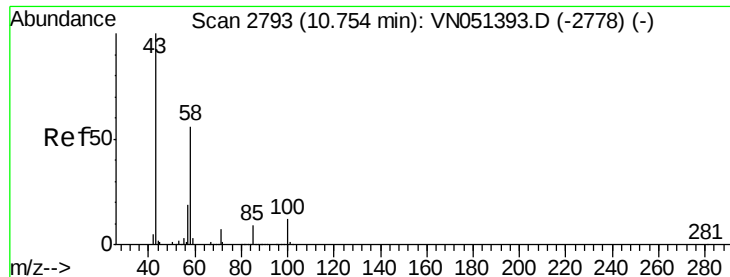
Tgt Ion: 76 Resp: 175674
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.339 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 63 Resp: 308354
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.4 32.2

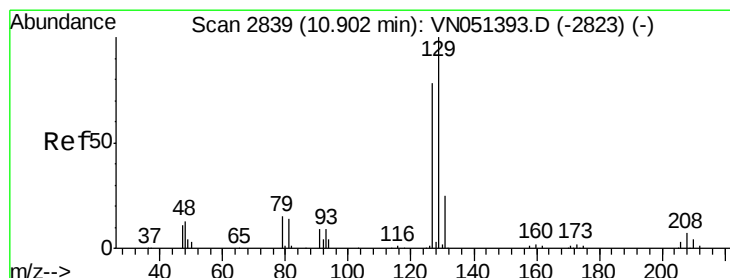
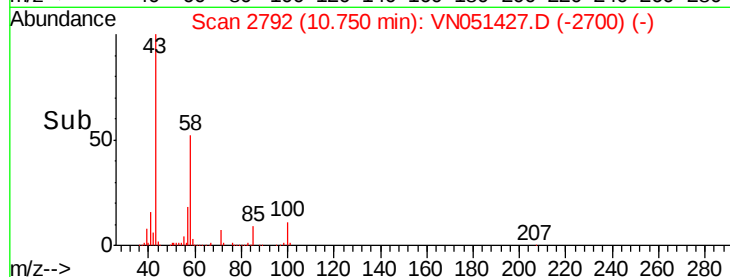
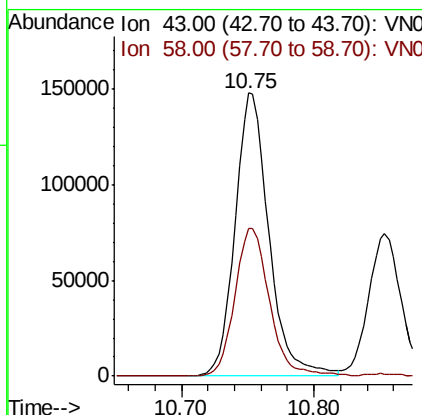
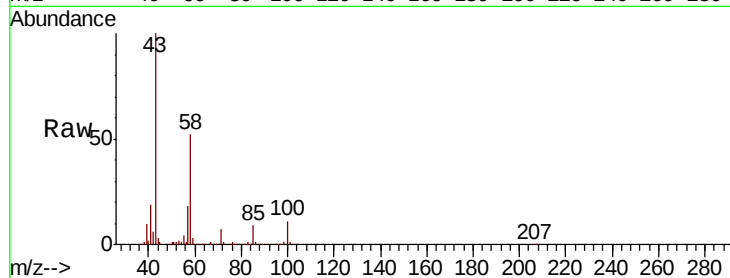




#59
2-Hexanone
Concen: 83.558 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

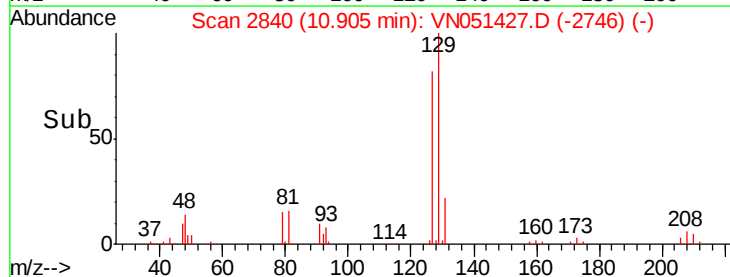
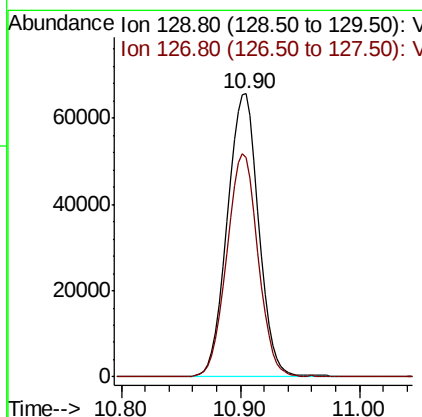
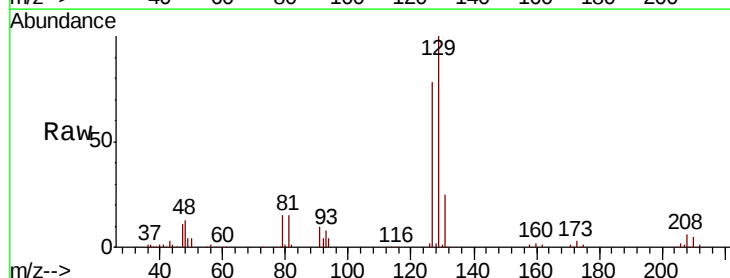
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

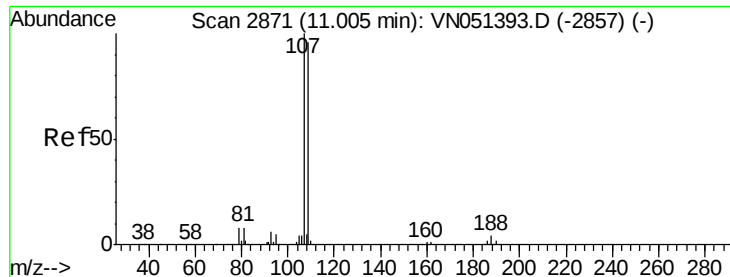
Tgt Ion: 43 Resp: 260334
Ion Ratio Lower Upper
43 100
58 54.0 27.7 83.0



#60
Dibromochloromethane
Concen: 18.777 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 129 Resp: 120092
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0

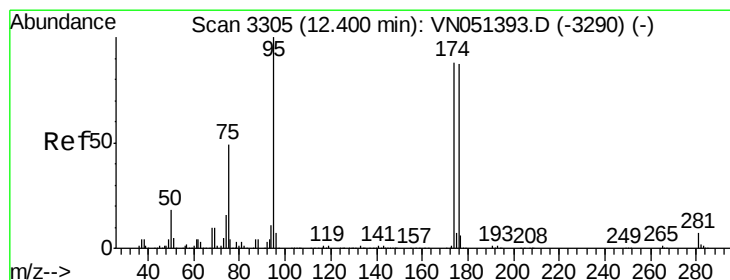
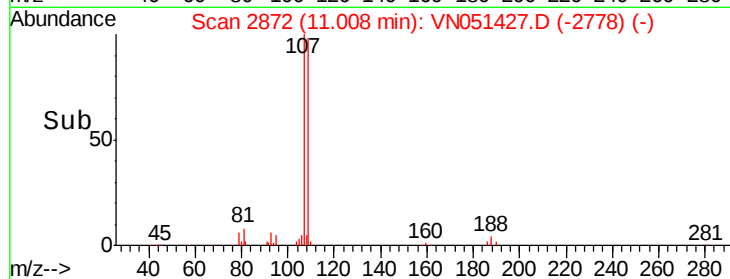
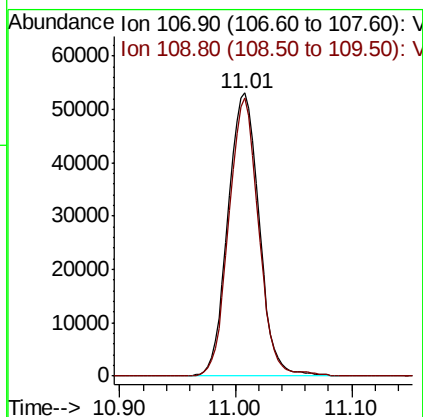
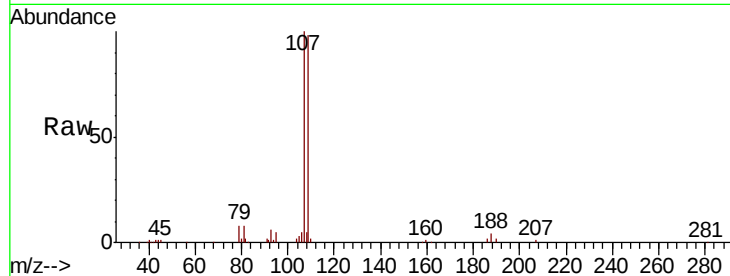




#61
 1,2-Dibromoethane
 Concen: 18.736 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

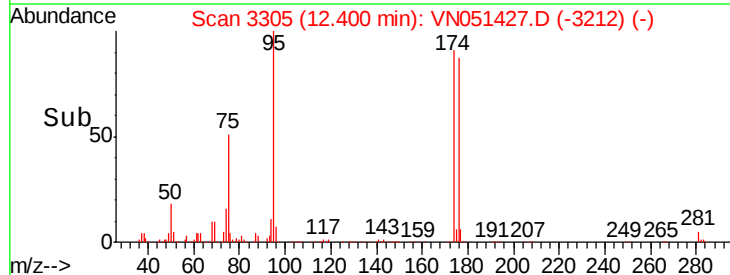
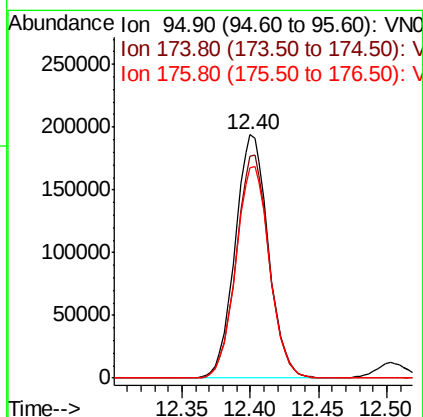
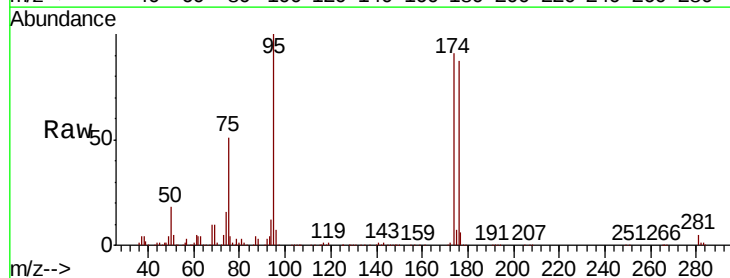
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

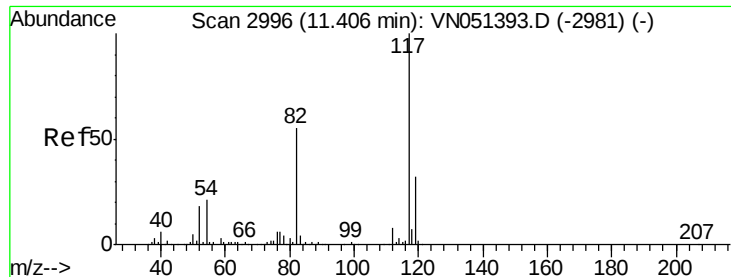
Tgt Ion: 107 Resp: 98592
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 46.388 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 95 Resp: 327989
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 181.6
 176 88.0 0.0 176.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

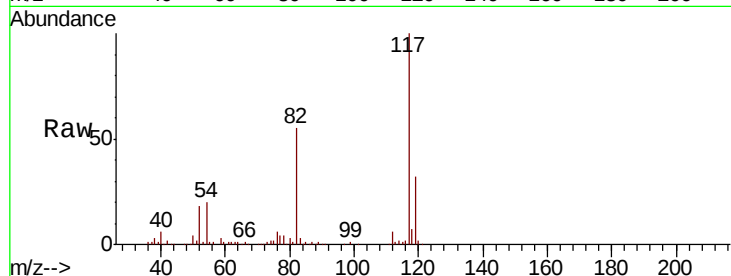
Tgt Ion:117 Resp: 627954

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

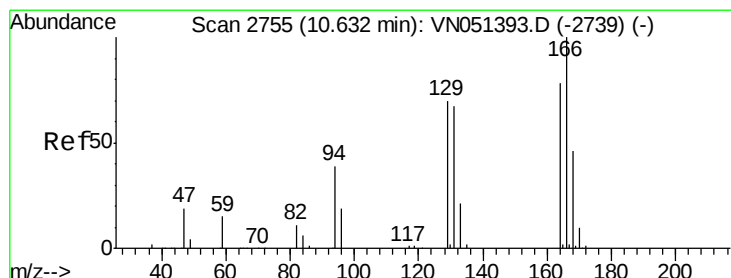
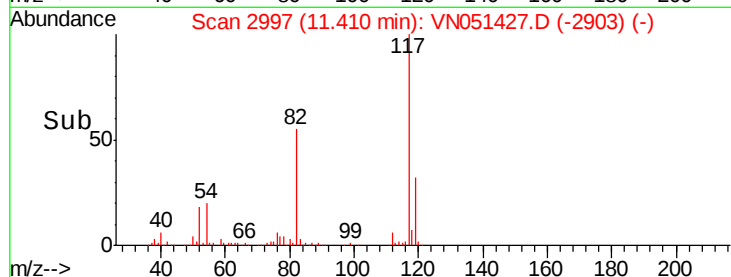
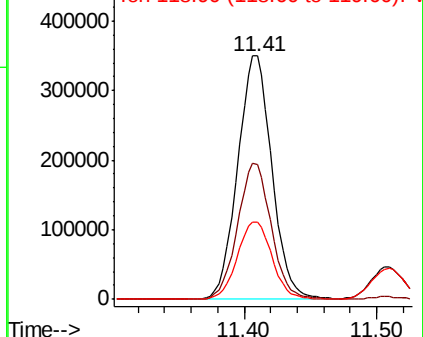
119 31.8 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.918 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Tgt Ion:164 Resp: 119209

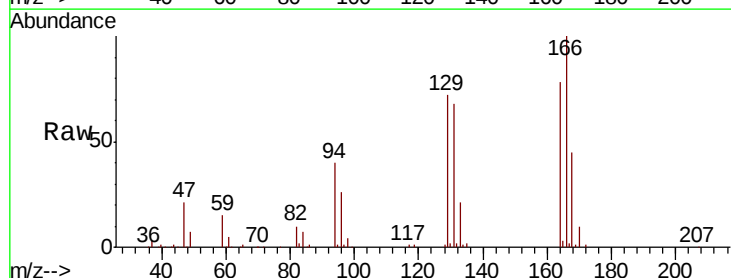
Ion Ratio Lower Upper

164 100

166 128.7 102.3 153.5

129 93.2 71.8 107.8

131 87.7 68.6 102.8

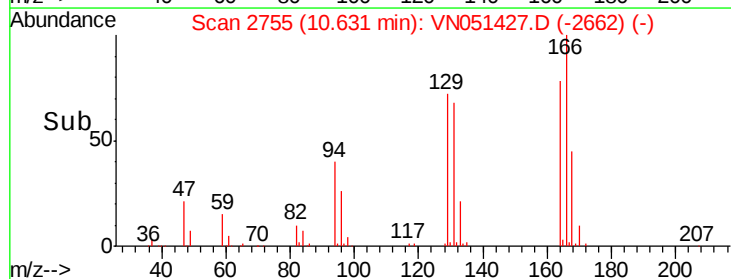
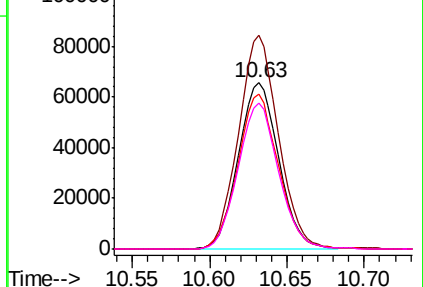


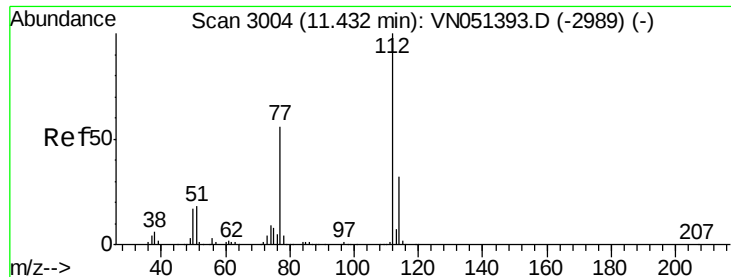
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.021 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

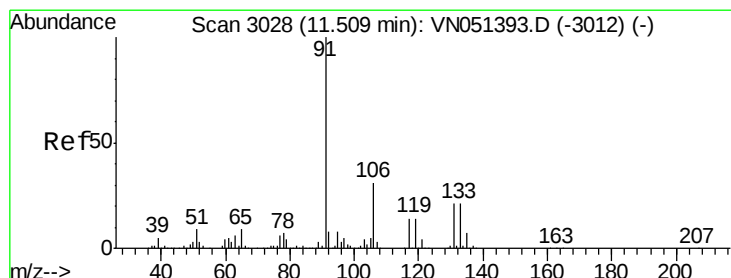
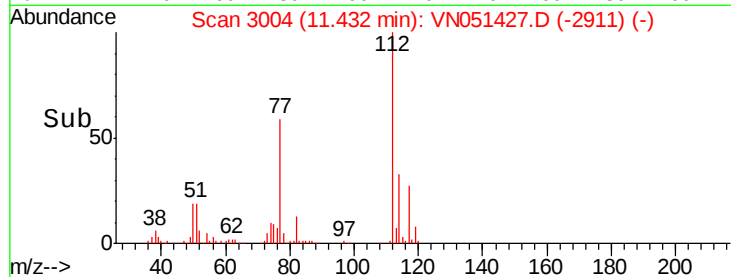
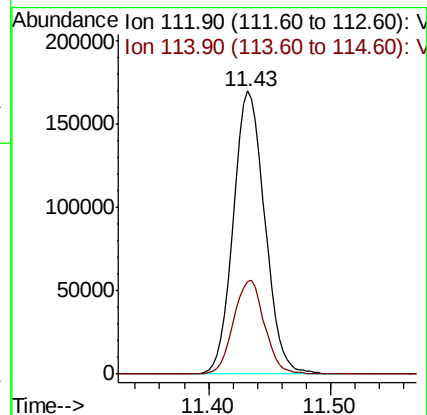
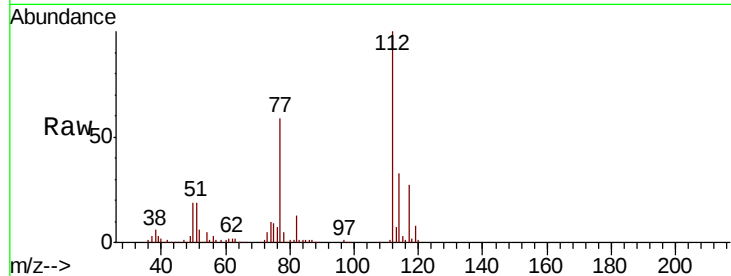
VN0923WBS02

Tgt Ion:112 Resp: 306455

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 19.791 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

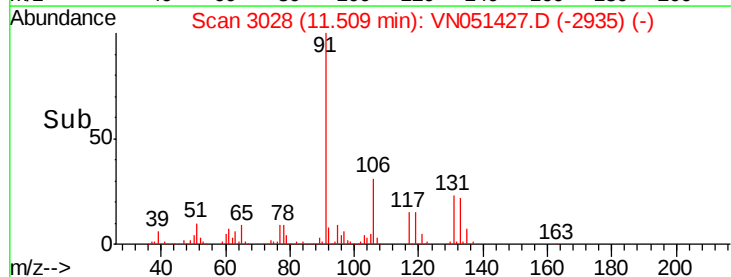
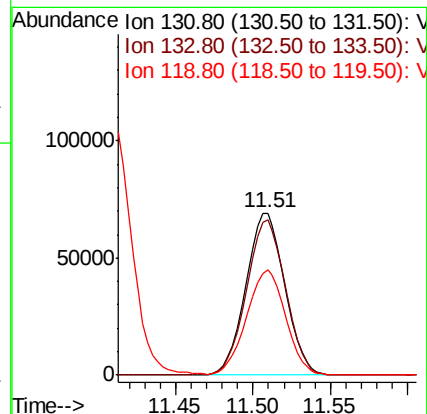
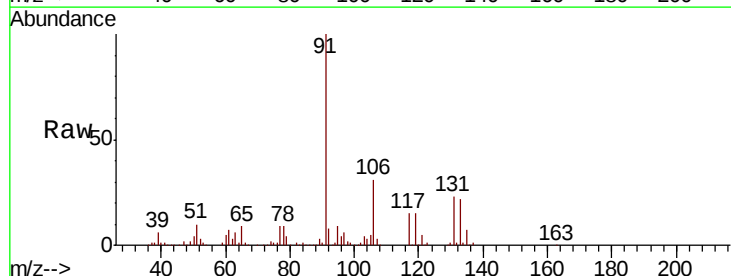
Tgt Ion:131 Resp: 121483

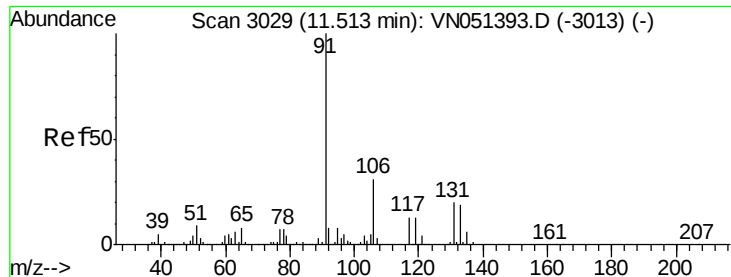
Ion Ratio Lower Upper

131 100

133 95.7 48.3 144.8

119 64.9 32.8 98.4

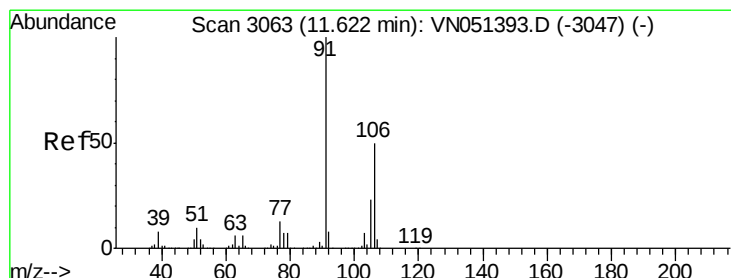
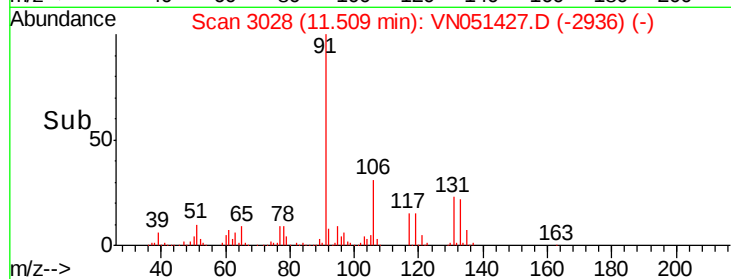
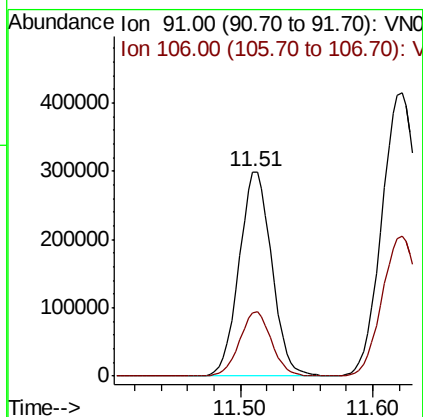
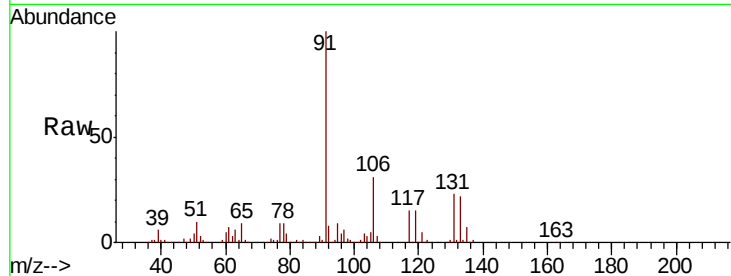




#67
Ethyl Benzene
Concen: 18.859 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

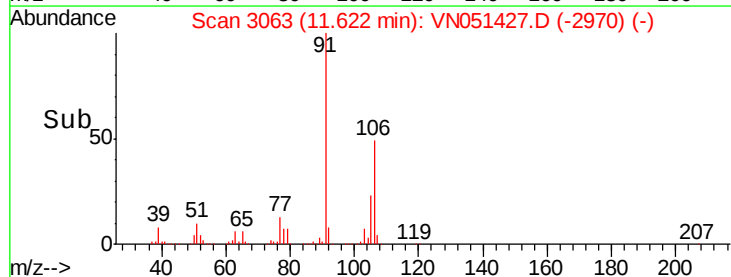
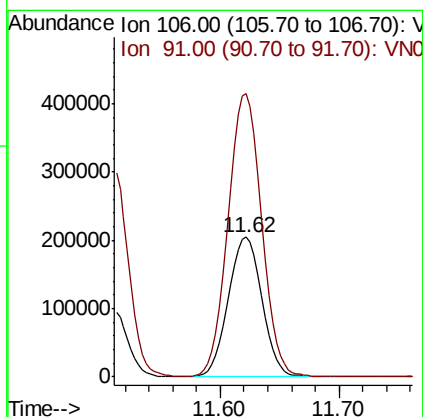
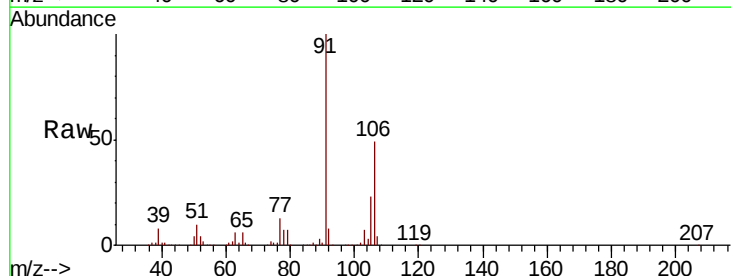
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS02

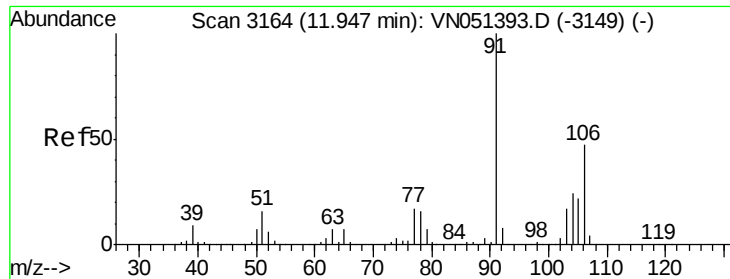
Tgt Ion: 91 Resp: 512048
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 38.351 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 106 Resp: 402787
Ion Ratio Lower Upper
106 100
91 201.8 161.3 241.9

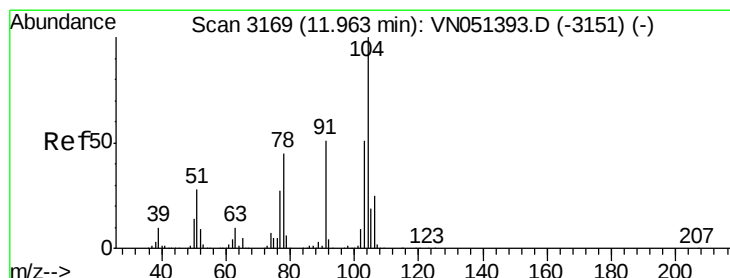
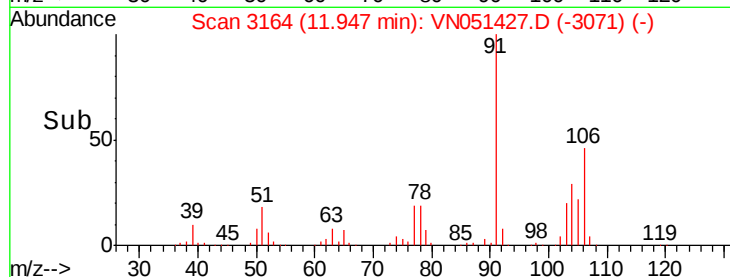
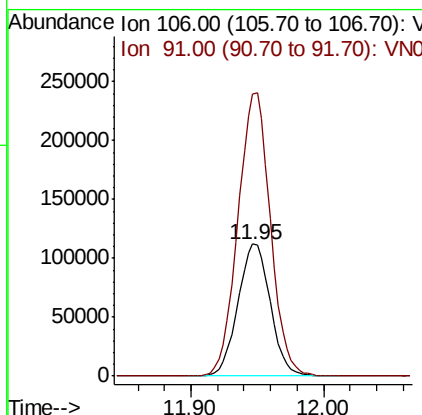
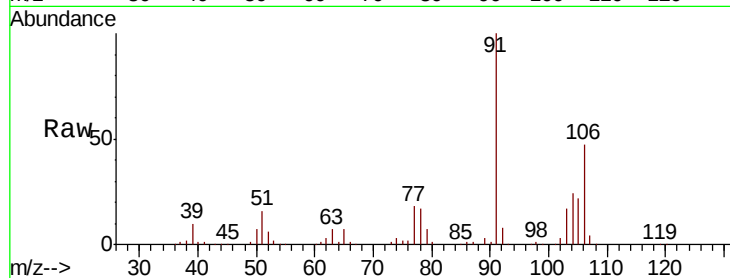




#69
o-Xylene
Concen: 18.848 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

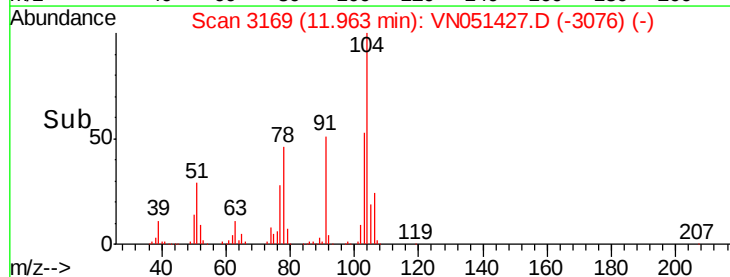
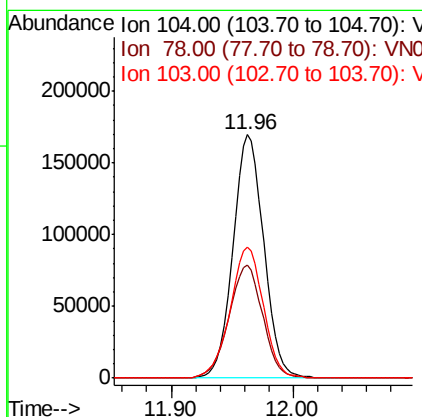
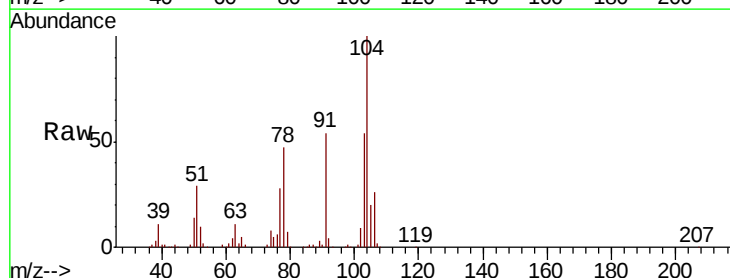
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

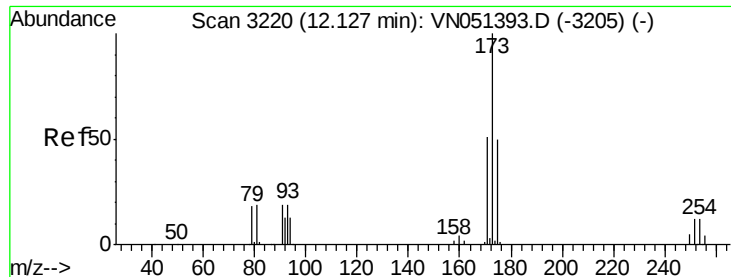
Tgt Ion:106 Resp: 190296
Ion Ratio Lower Upper
106 100
91 214.8 105.3 315.9



#70
Styrene
Concen: 18.554 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion:104 Resp: 296835
Ion Ratio Lower Upper
104 100
78 51.2 39.9 59.9
103 58.2 44.6 66.8

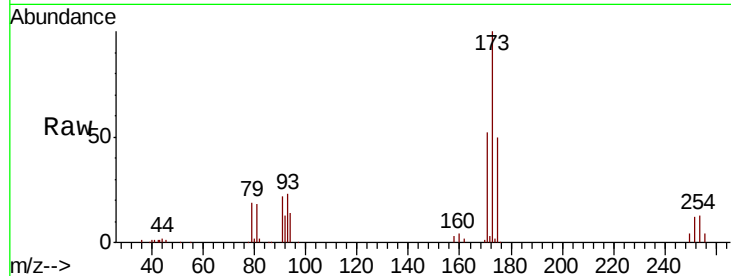




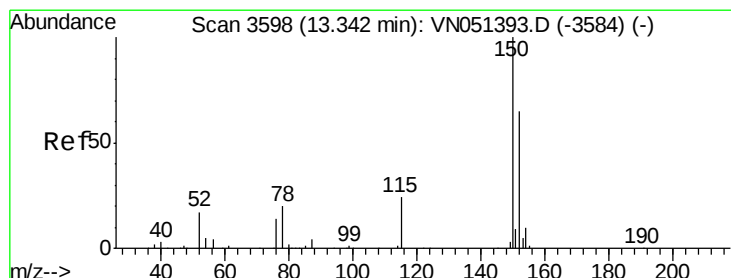
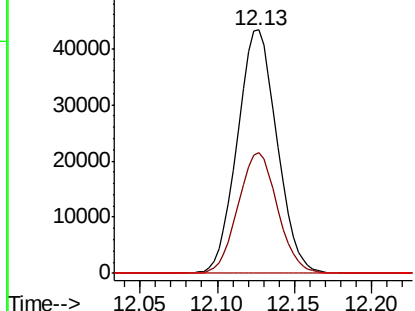
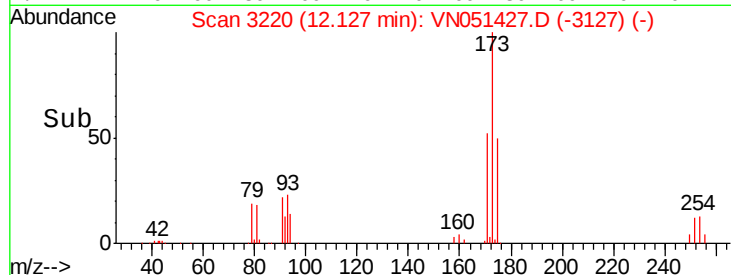
#71
 Bromoform
 Concen: 18.573 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tgt Ion:173 Resp: 77356
 Ion Ratio Lower Upper
 173 100
 175 49.4 24.8 74.3
 254 0.0 0.2 0.2#

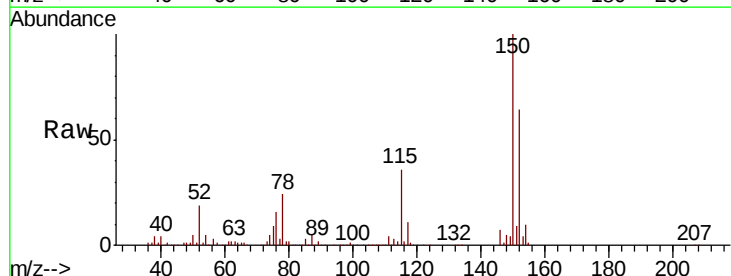


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

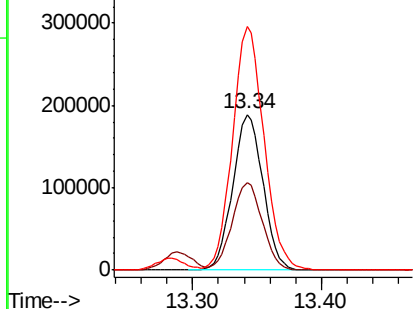
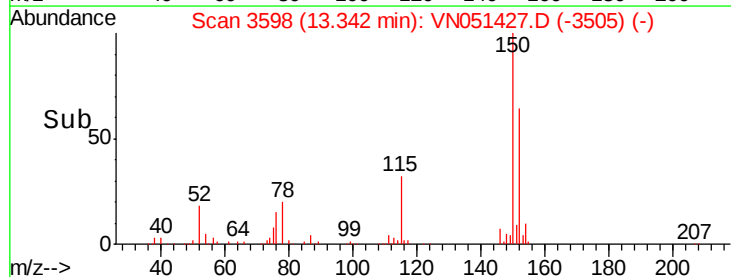


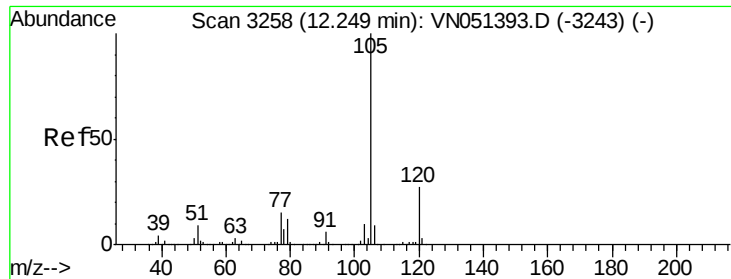
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion:152 Resp: 306629
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.3 84.9
 150 163.1 0.0 353.6



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





#73

Isopropylbenzene

Concen: 19.926 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

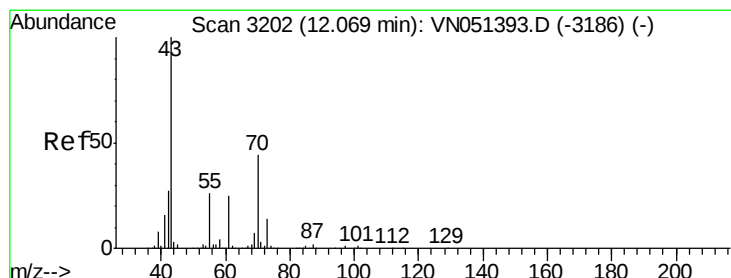
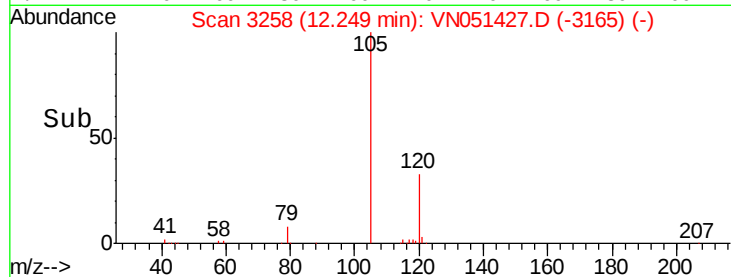
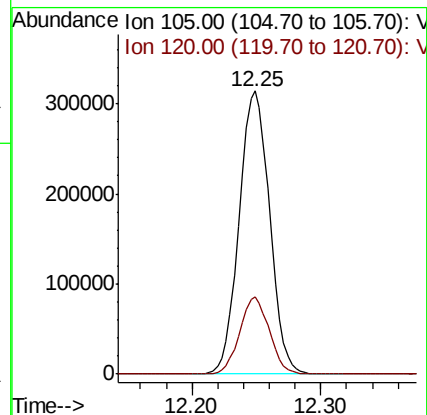
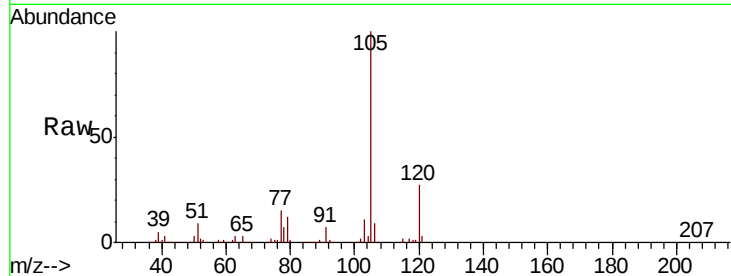
VN0923WBS02

Tgt Ion:105 Resp: 515513

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 18.070 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Tgt Ion: 43 Resp: 117299

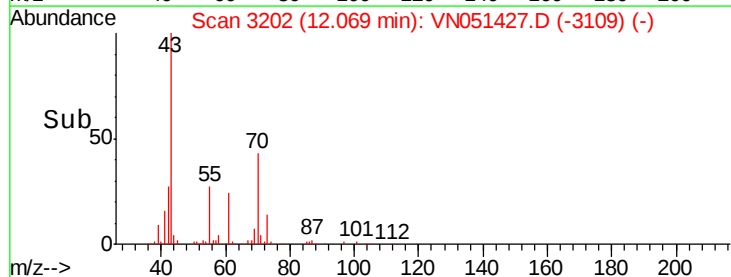
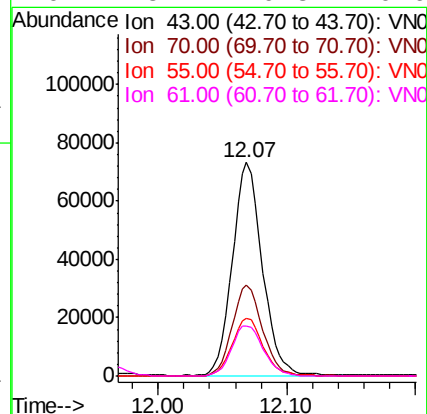
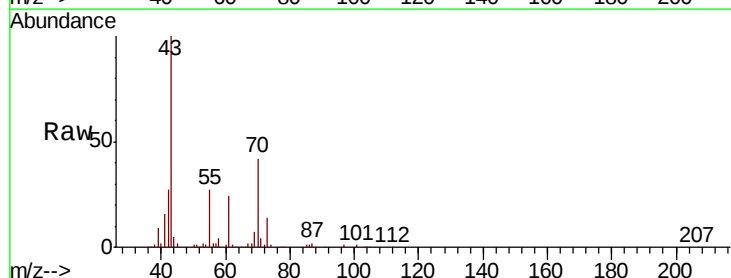
Ion Ratio Lower Upper

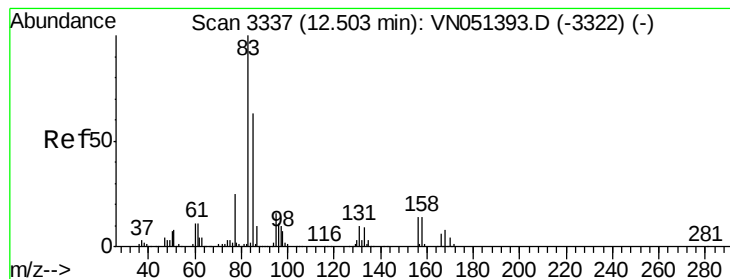
43 100

70 43.1 35.0 52.4

55 28.4 21.4 32.2

61 25.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.603 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

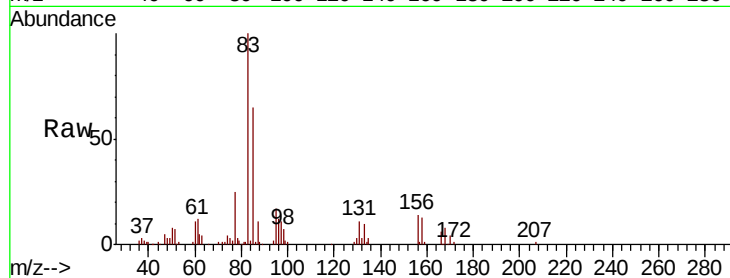
Tgt Ion: 83 Resp: 118267

Ion Ratio Lower Upper

83 100

131 11.0 5.3 15.9

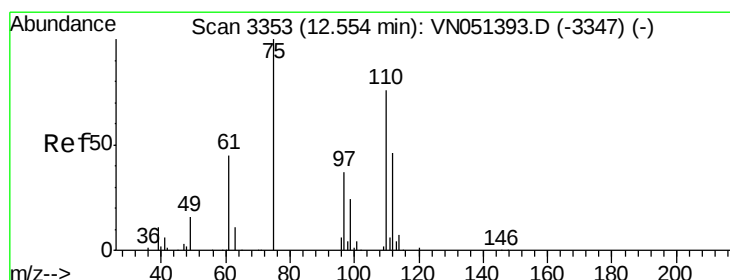
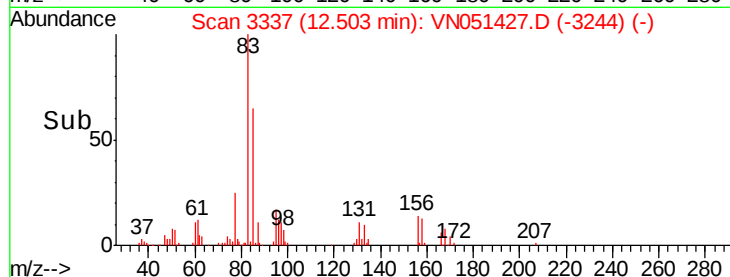
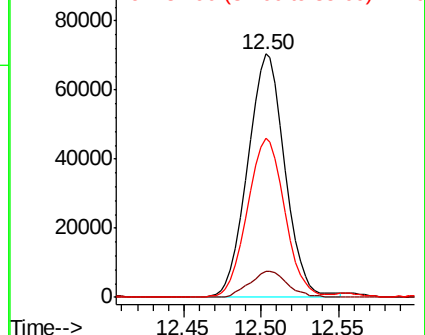
85 65.5 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051393.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 27.744 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051427.D

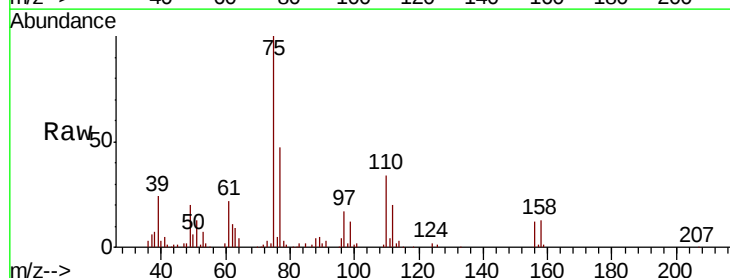
Acq: 23 Sep 2018 21:44

Tgt Ion: 75 Resp: 141225

Ion Ratio Lower Upper

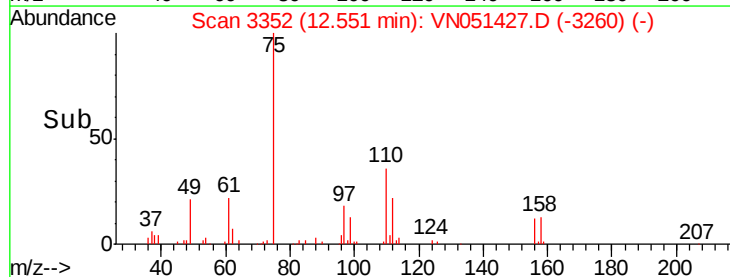
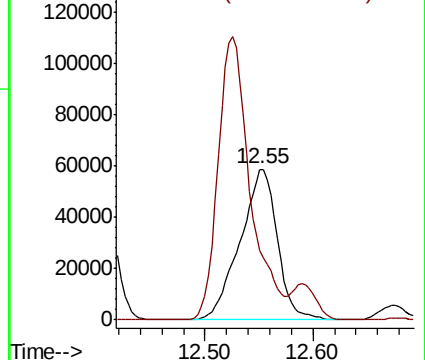
75 100

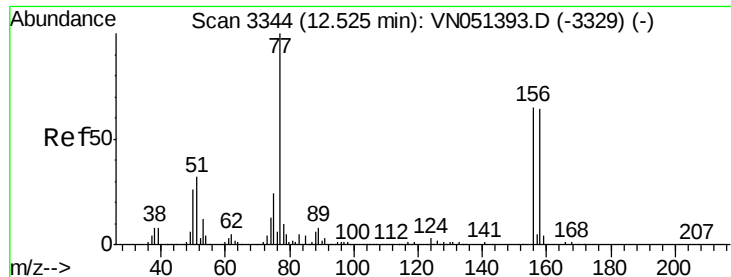
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051393.D (-3347) (-)





#77

Bromobenzene

Concen: 19.349 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

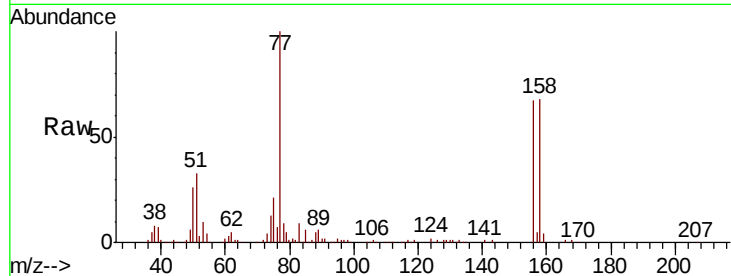
Tgt Ion:156 Resp: 126724

Ion Ratio Lower Upper

156 100

77 180.1 89.5 268.4

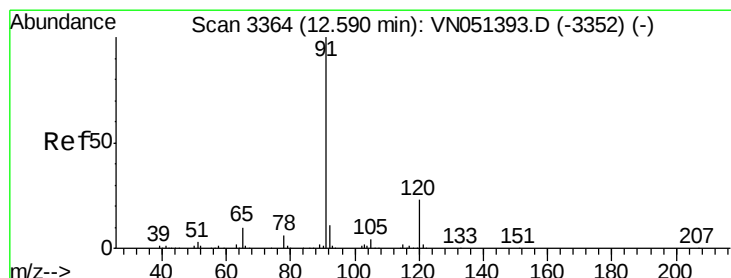
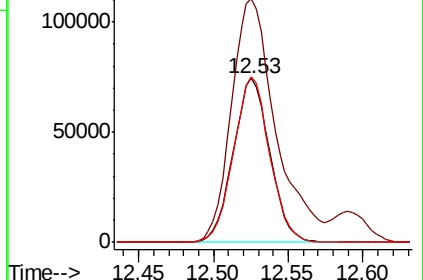
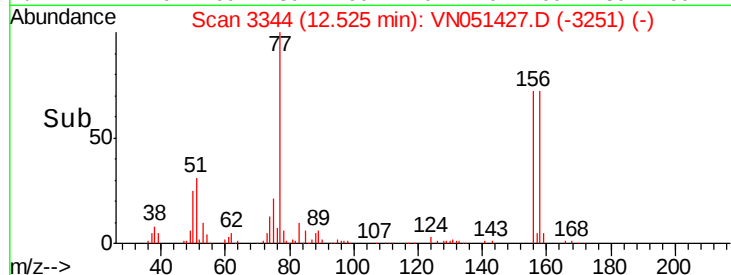
158 99.5 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.644 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051427.D

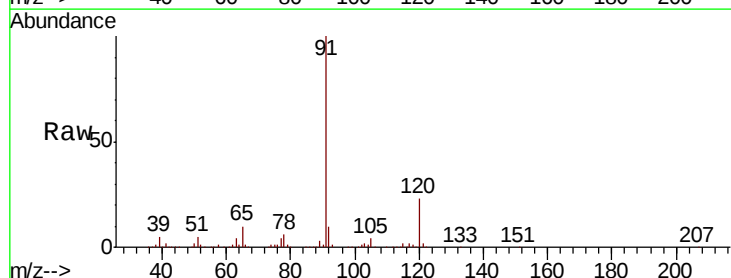
Acq: 23 Sep 2018 21:44

Tgt Ion: 91 Resp: 572764

Ion Ratio Lower Upper

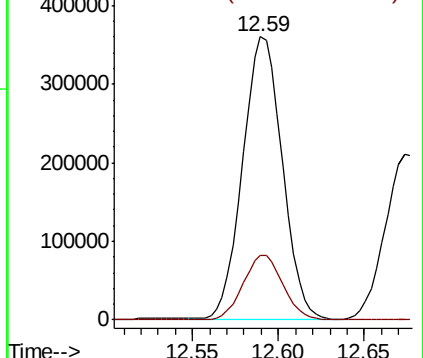
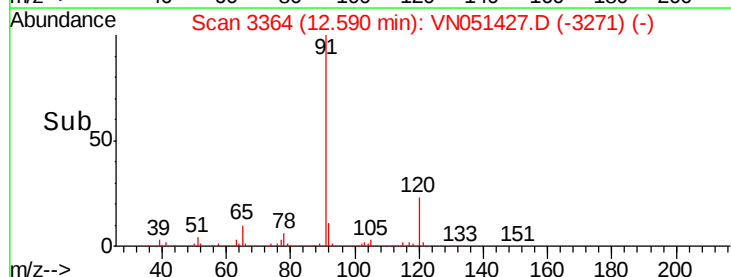
91 100

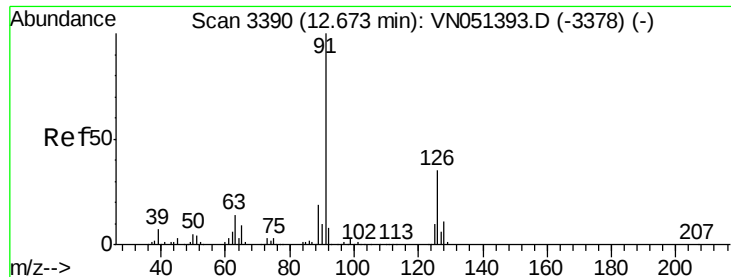
120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.098 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

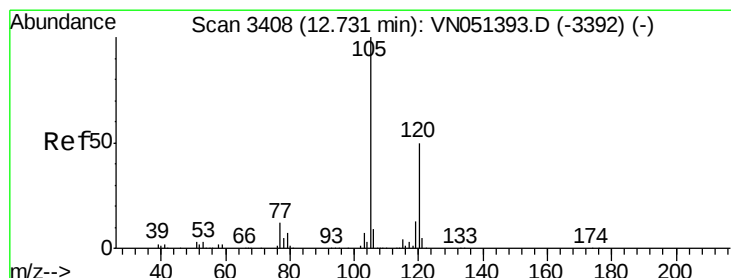
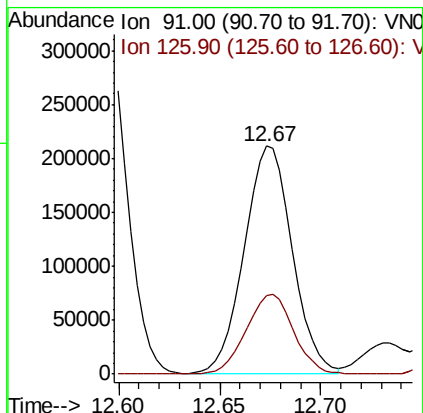
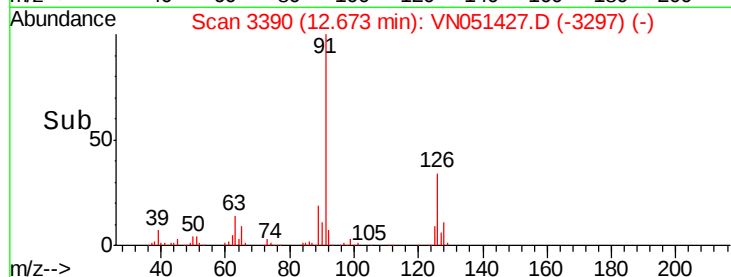
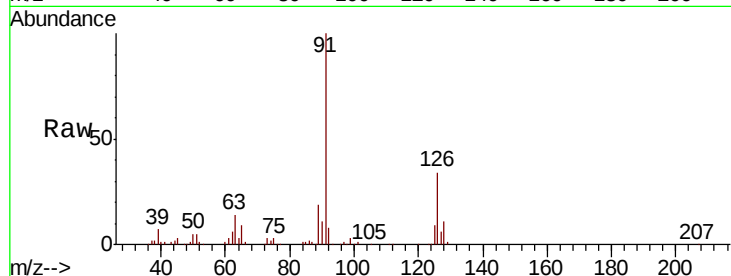
VN0923WBS02

Tgt Ion: 91 Resp: 350776

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 19.912 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051427.D

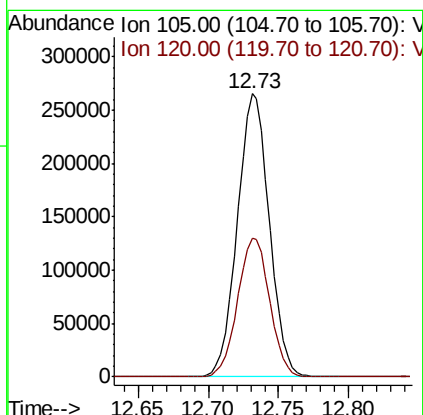
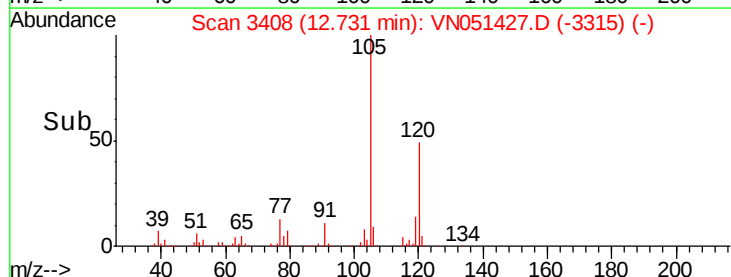
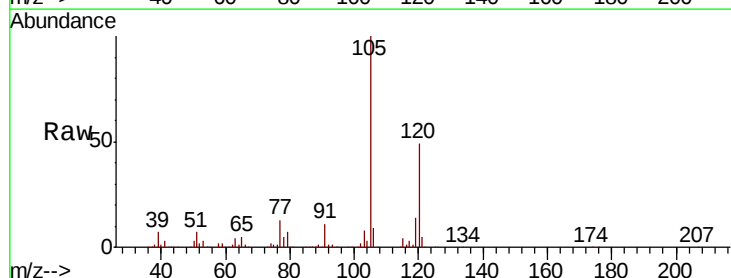
Acq: 23 Sep 2018 21:44

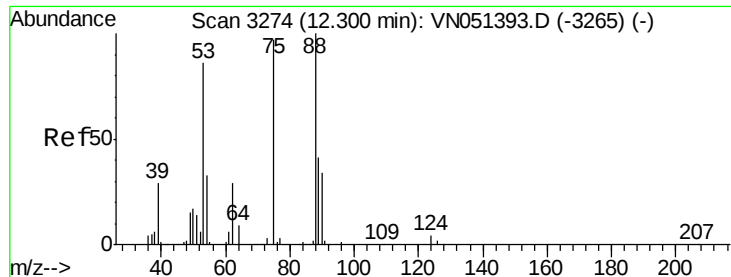
Tgt Ion: 105 Resp: 420054

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.653 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

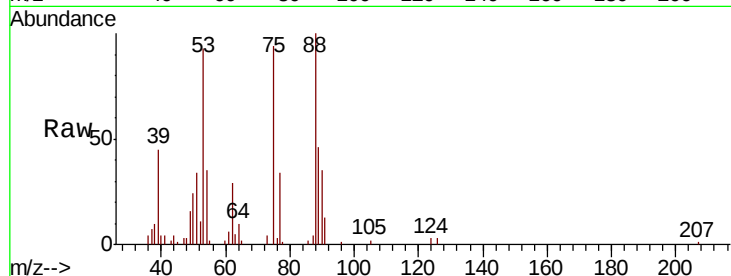
Tgt Ion: 75 Resp: 27568

Ion Ratio Lower Upper

75 100

53 100.8 73.9 110.9

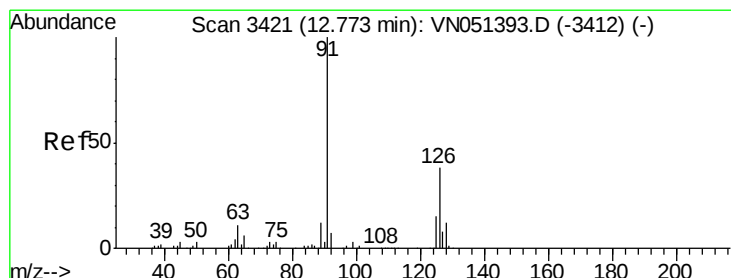
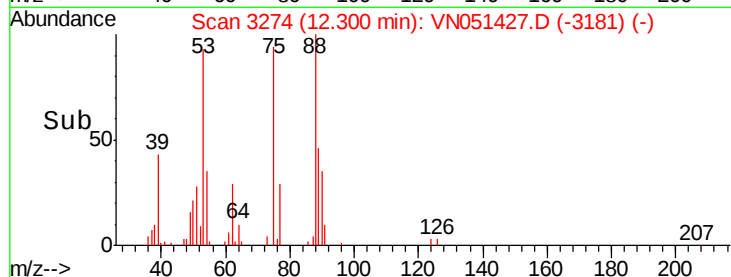
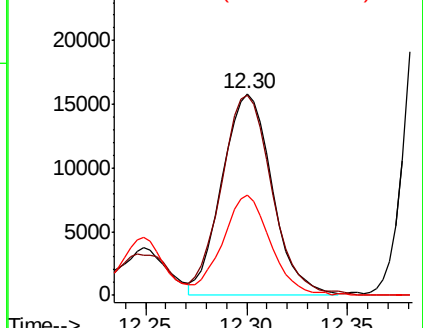
89 47.5 36.7 55.1



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: 19.425 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051427.D

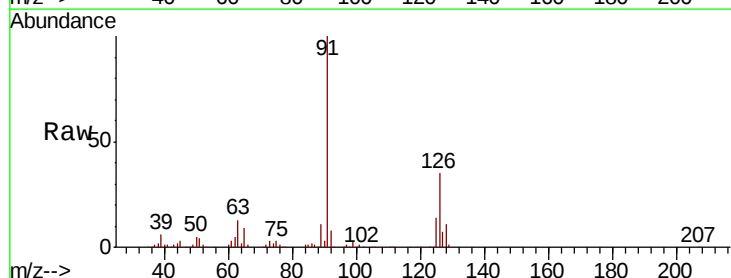
Acq: 23 Sep 2018 21:44

Tgt Ion: 91 Resp: 338393

Ion Ratio Lower Upper

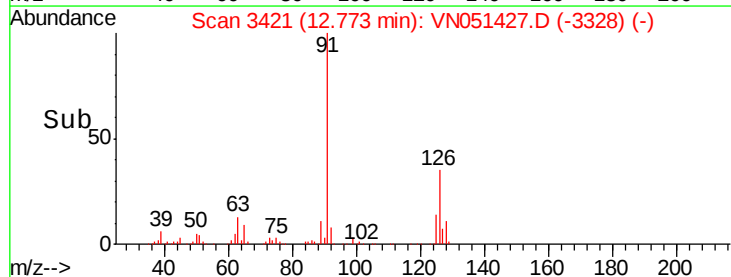
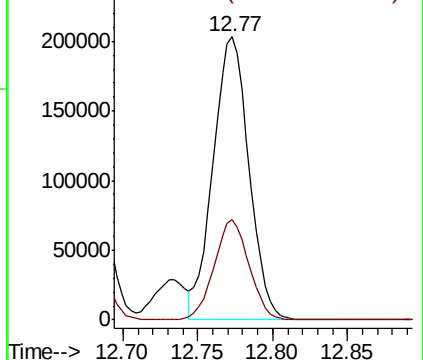
91 100

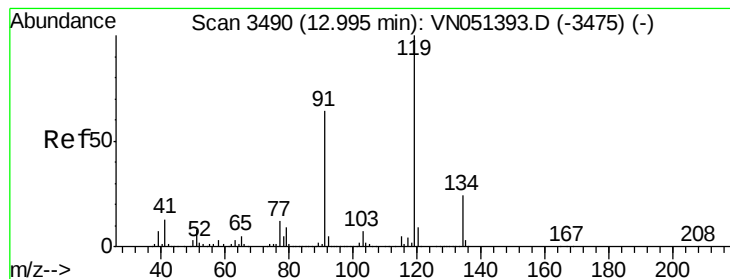
126 34.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.558 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

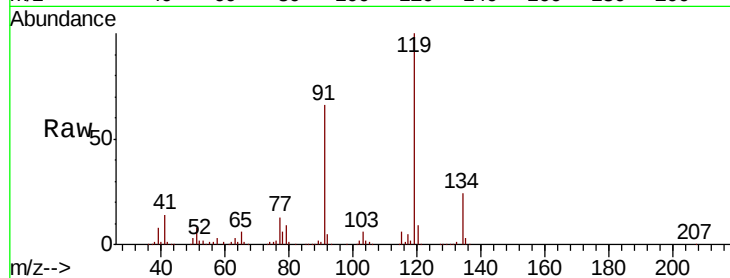
Tgt Ion:119 Resp: 367245

Ion Ratio Lower Upper

119 100

91 65.1 31.7 95.1

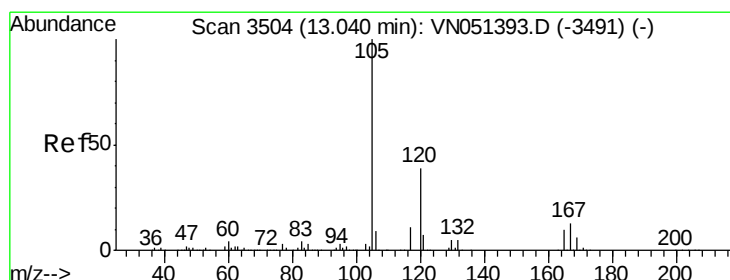
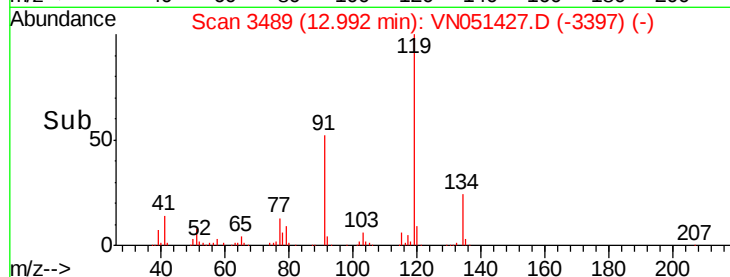
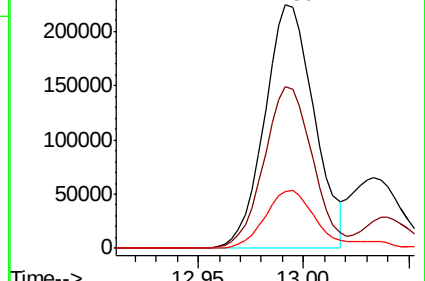
134 24.1 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.112 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051427.D

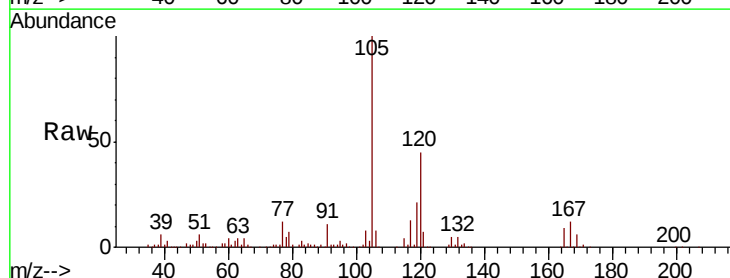
Acq: 23 Sep 2018 21:44

Tgt Ion:105 Resp: 427538

Ion Ratio Lower Upper

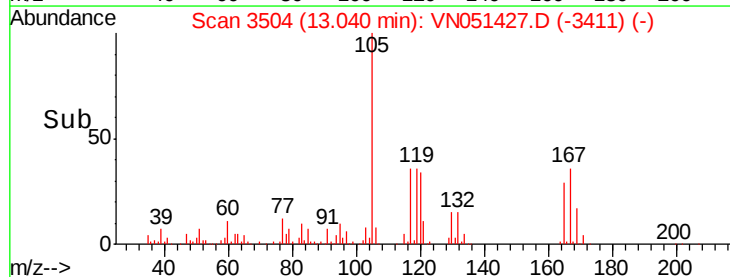
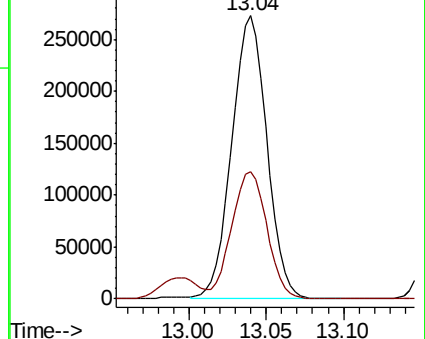
105 100

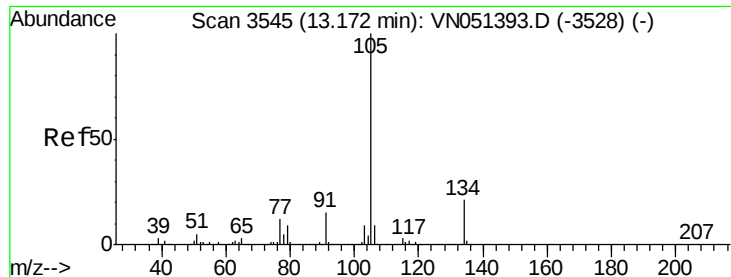
120 45.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

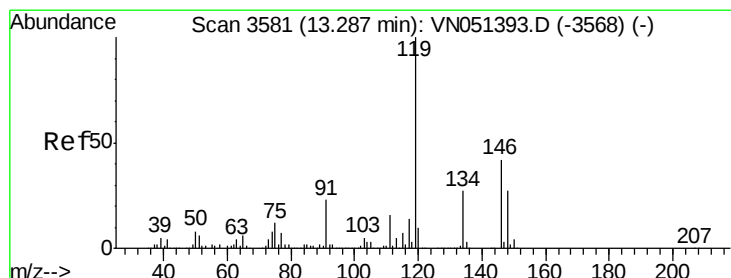
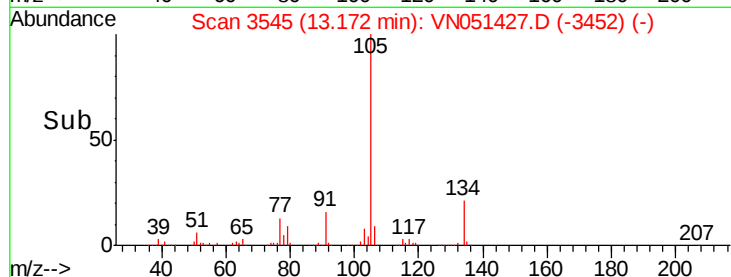
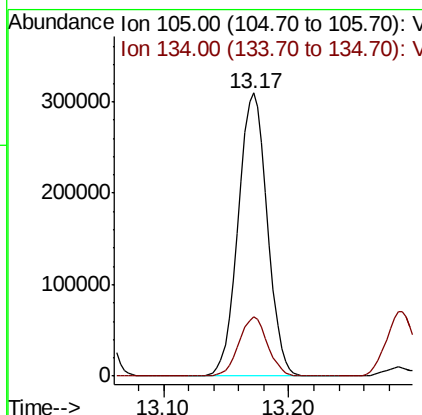
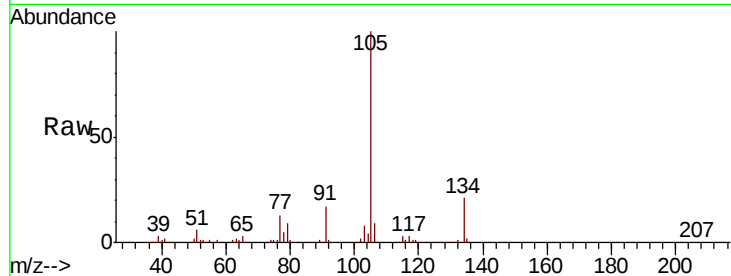




#85
 sec-Butylbenzene
 Concen: 19.622 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

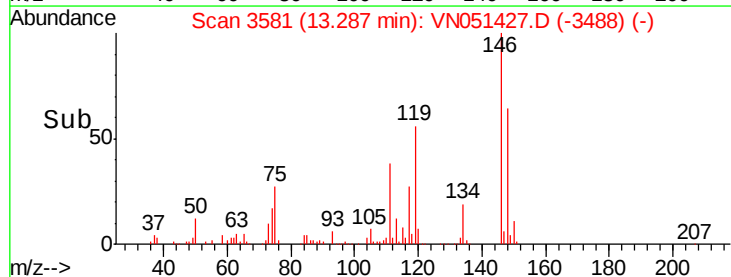
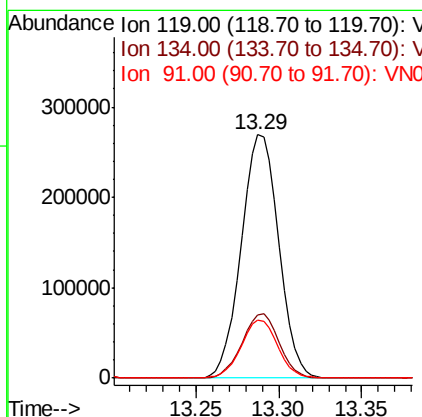
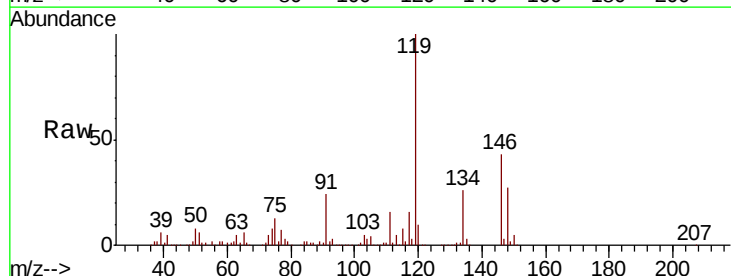
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

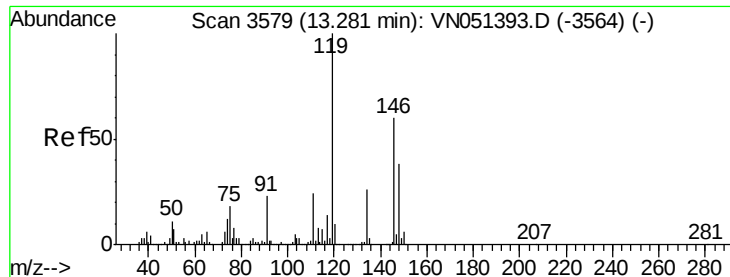
Tgt Ion:105 Resp: 498448
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 19.235 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion:119 Resp: 422783
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.932 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS02

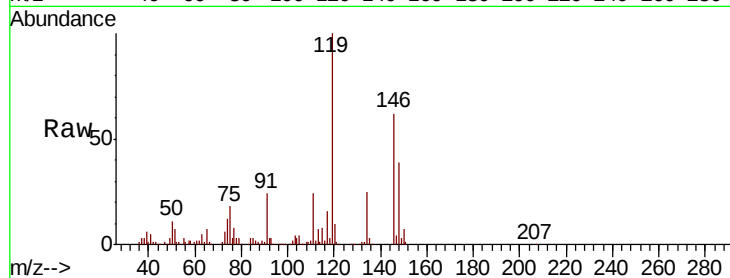
Tgt Ion:146 Resp: 214569

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.1

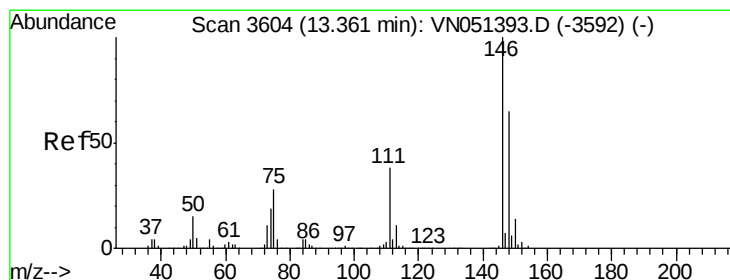
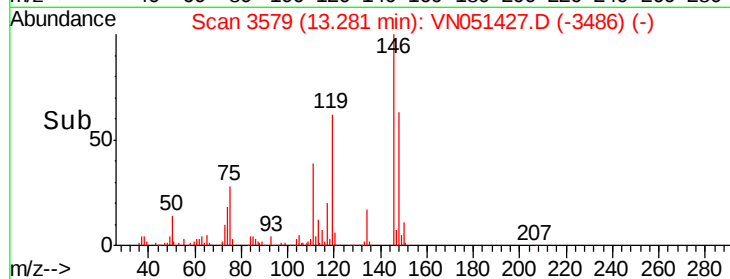
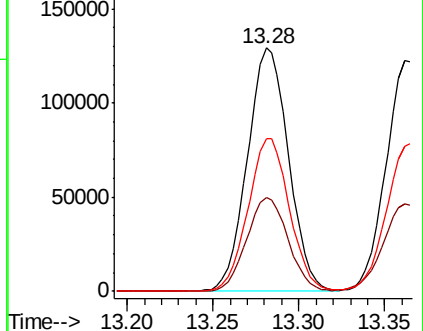
148 63.0 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 18.941 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

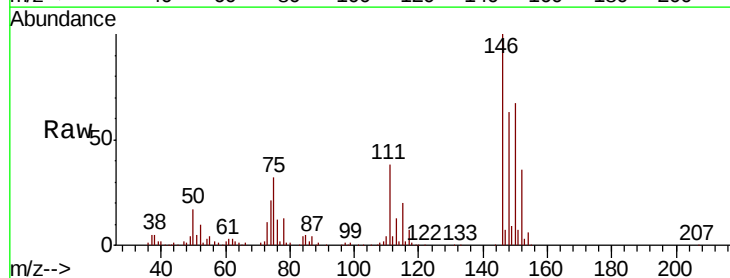
Tgt Ion:146 Resp: 206556

Ion Ratio Lower Upper

146 100

111 40.0 19.1 57.1

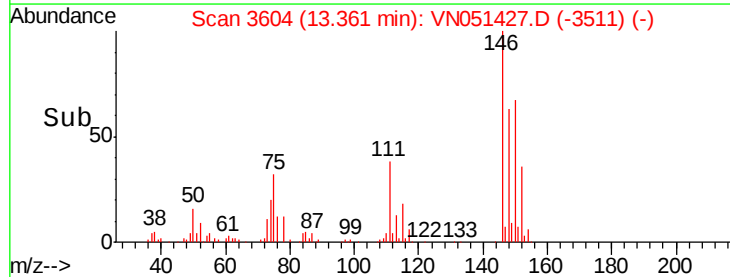
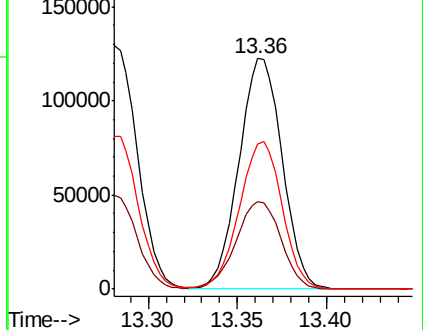
148 63.8 32.5 97.5

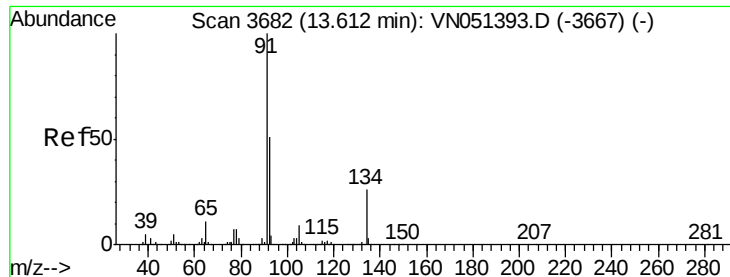


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

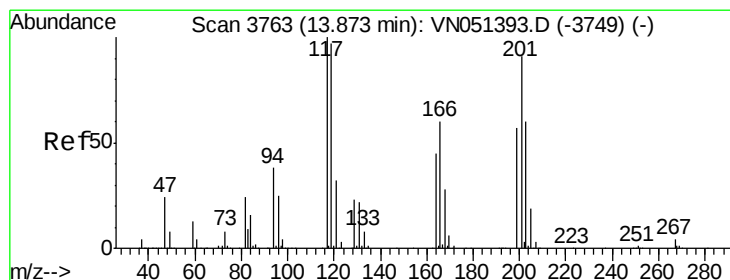
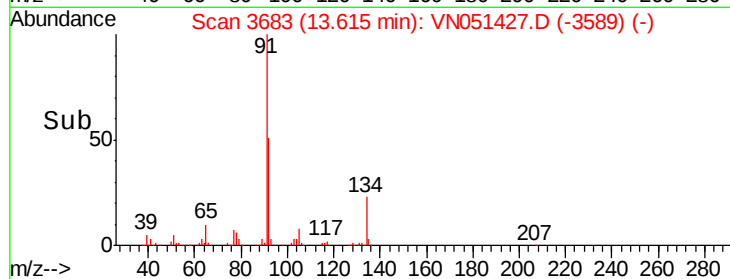
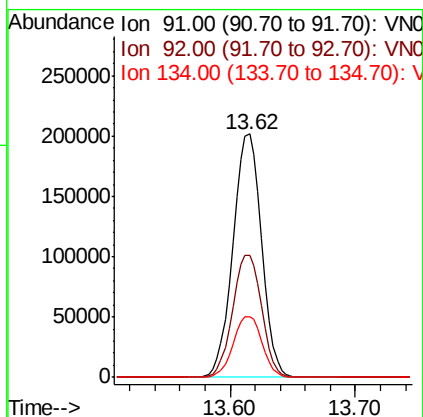
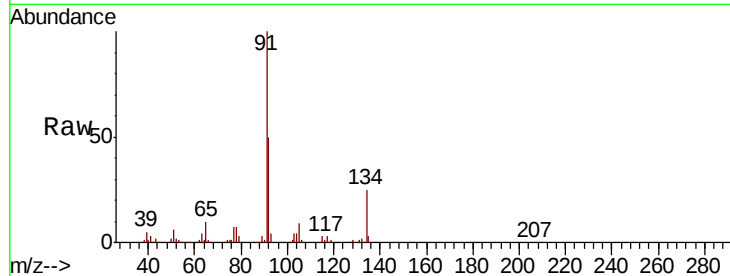




#89
n-Butylbenzene
Concen: 17.666 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

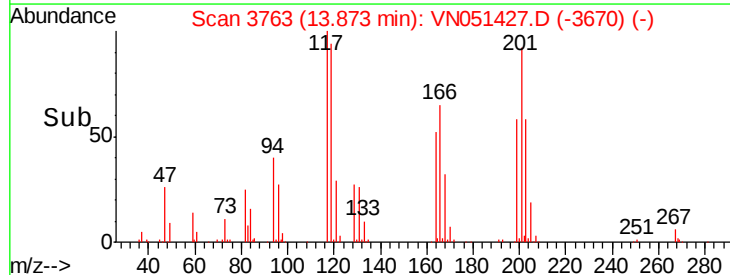
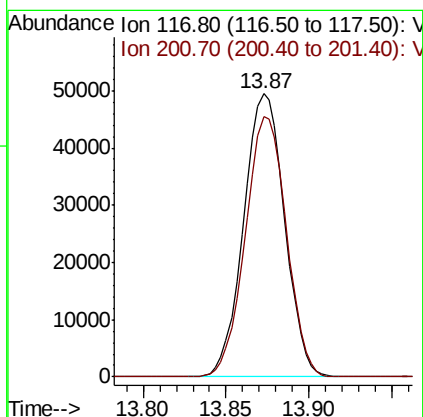
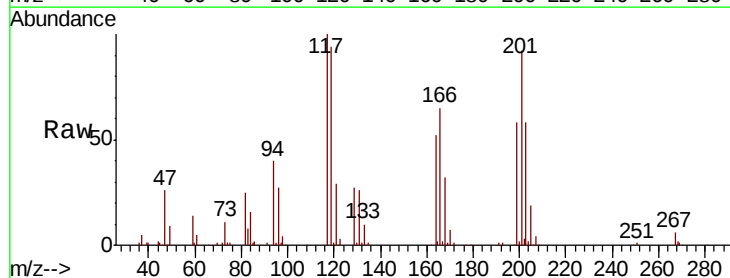
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS02

Tgt Ion: 91 Resp: 319299
Ion Ratio Lower Upper
91 100
92 51.0 25.5 76.5
134 25.3 13.3 39.8



#90
Hexachloroethane
Concen: 19.409 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051427.D
Acq: 23 Sep 2018 21:44

Tgt Ion: 117 Resp: 85003
Ion Ratio Lower Upper
117 100
201 92.0 45.5 136.4

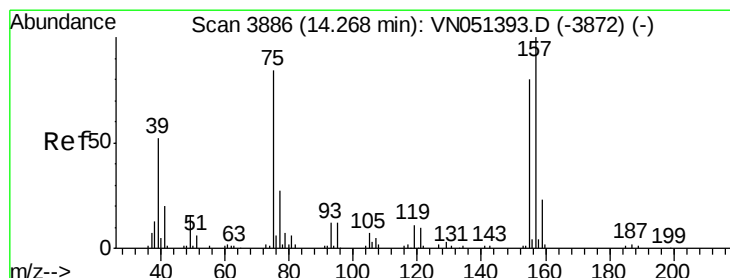
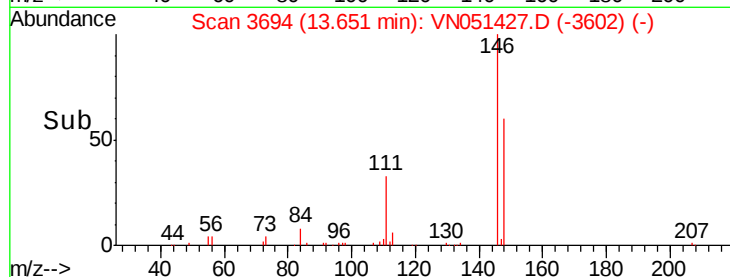
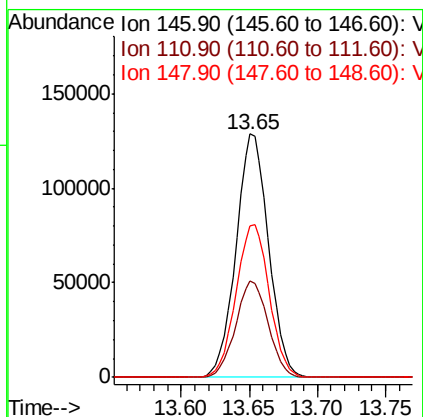
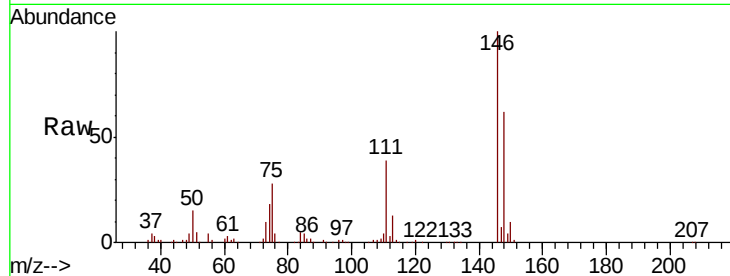




#91
 1,2-Dichlorobenzene
 Concen: 19.332 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

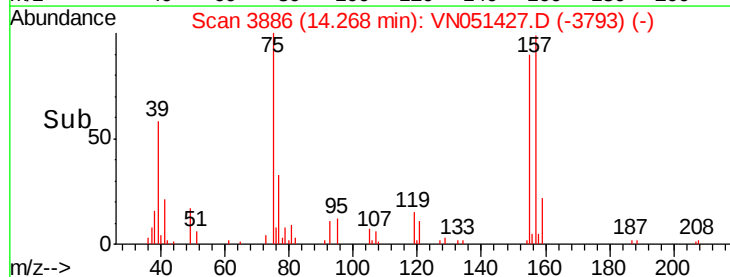
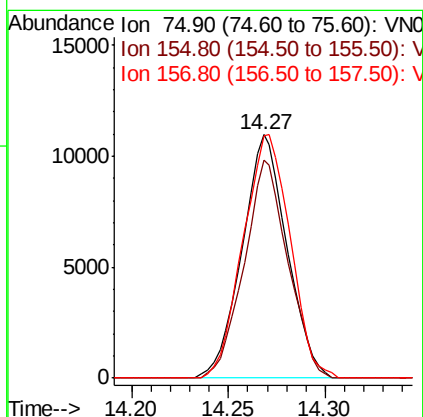
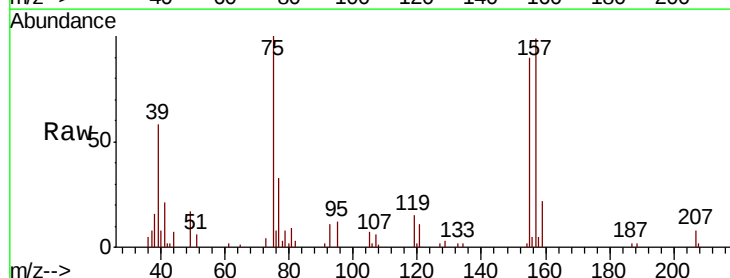
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

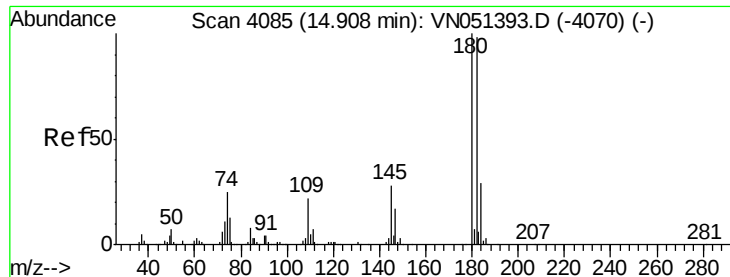
Tgt Ion: 146 Resp: 212589
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 64.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.547 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion: 75 Resp: 17690
 Ion Ratio Lower Upper
 75 100
 155 87.4 46.9 140.6
 157 104.8 58.4 175.1

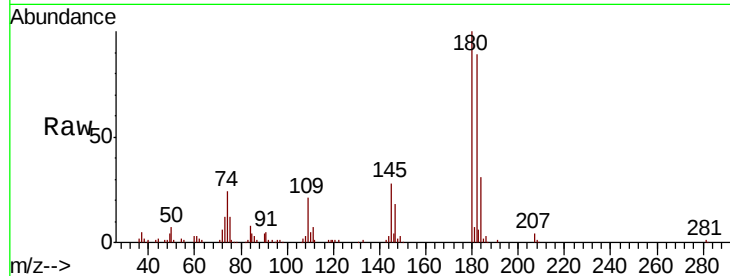




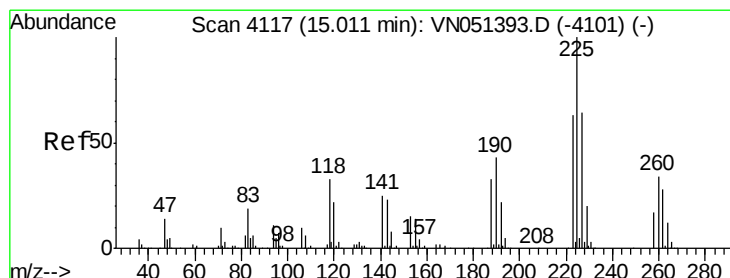
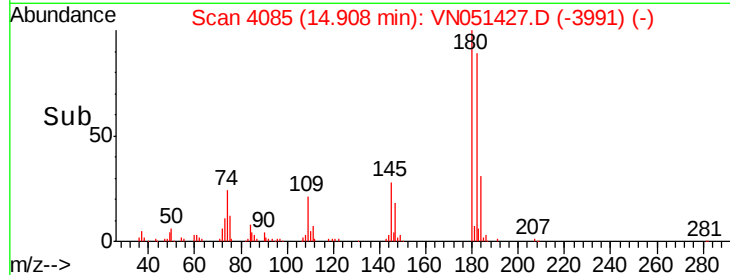
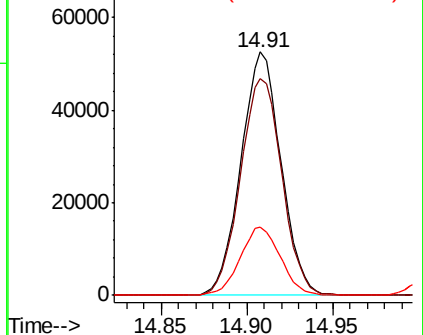
#93
 1,2,4-Trichlorobenzene
 Concen: 18.581 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Tgt Ion:180 Resp: 84847
 Ion Ratio Lower Upper
 180 100
 182 92.1 48.5 145.6
 145 28.1 14.1 42.4

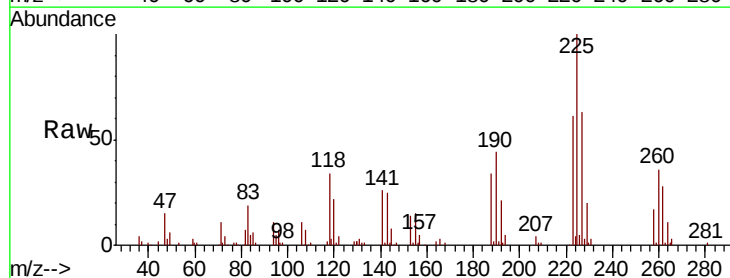


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

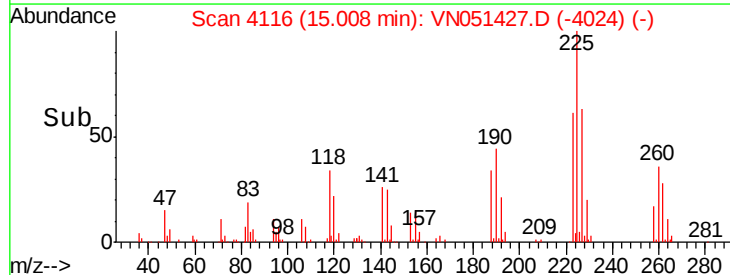
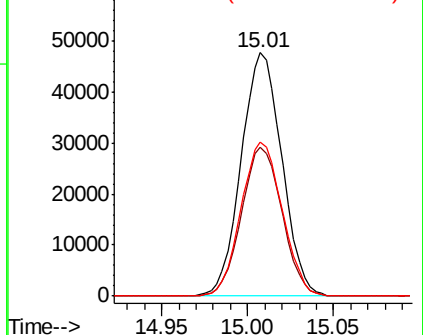


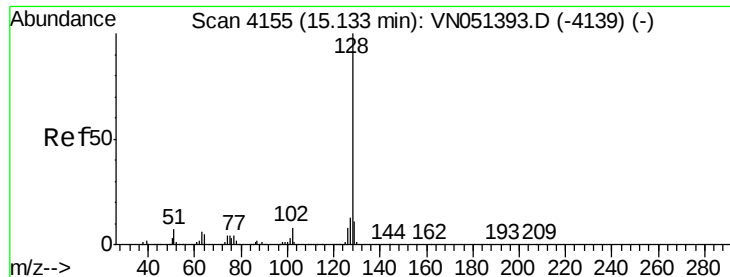
#94
 Hexachlorobutadiene
 Concen: 18.834 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051427.D
 Acq: 23 Sep 2018 21:44

Tgt Ion:225 Resp: 78361
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.9 95.9
 227 63.9 32.5 97.5



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





#95

Naphthalene

Concen: 18.105 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS02

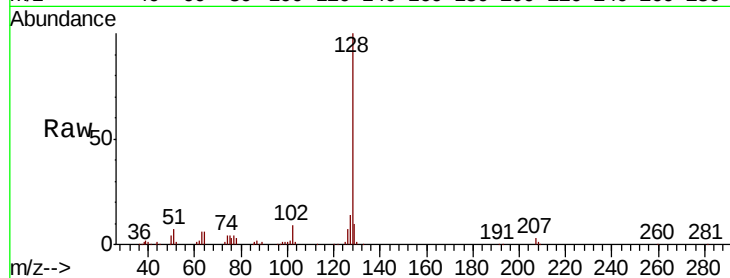
Tgt Ion:128 Resp: 136692

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

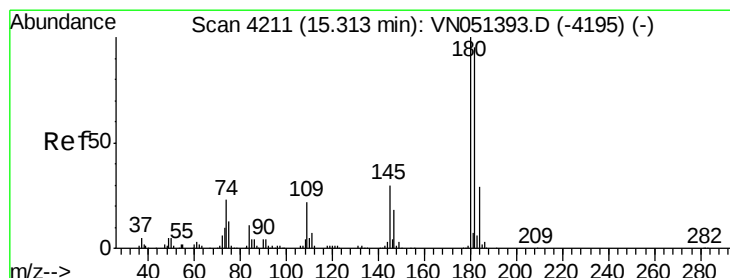
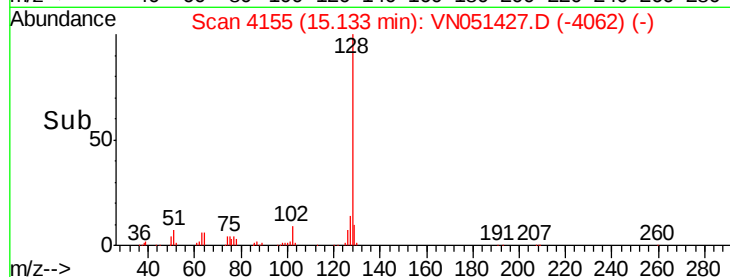
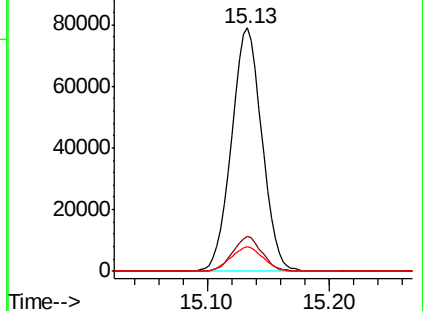
129 10.4 8.6 12.8



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: 15.814 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051427.D

Acq: 23 Sep 2018 21:44

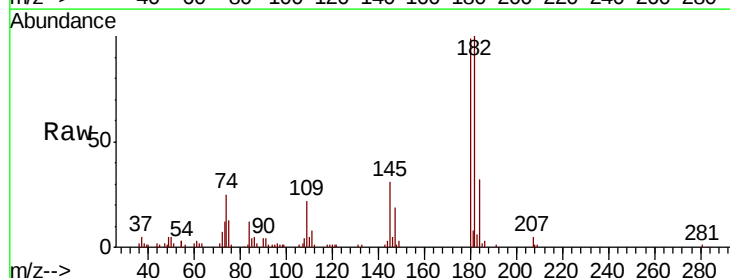
Tgt Ion:180 Resp: 83457

Ion Ratio Lower Upper

180 100

182 100.7 47.2 141.6

145 31.8 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

