

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051566.D
 Acq On : 27 Sep 2018 6:22
 Operator : MD\SY
 Sample : VN0927WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Quant Time: Sep 27 09:12:06 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	445124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	680447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291523	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	313319	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	
35) Dibromofluoromethane	7.59	113	277419	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	10.09	98	999305	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	316141	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	72880	17.550	ug/l	100
3) Chloromethane	2.06	50	116285	17.590	ug/l	100
4) Vinyl Chloride	2.18	62	135565	18.580	ug/l	99
5) Bromomethane	2.57	94	65927	15.119	ug/l	97
6) Chloroethane	2.70	64	62000	13.637	ug/l	100
7) Trichlorofluoromethane	3.01	101	171554	17.950	ug/l	100
8) Diethyl Ether	3.41	74	57713	17.456	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100750	18.679	ug/l	100
10) Methyl Iodide	3.96	142	109432	15.465	ug/l	97
11) Tert butyl alcohol	4.79	59	33172	105.410	ug/l	99
12) 1,1-Dichloroethene	3.74	96	87889	17.746	ug/l	99
13) Acrolein	3.61	56	21602	69.128	ug/l	95
14) Allyl chloride	4.33	41	152947	18.407	ug/l	99
15) Acrylonitrile	5.00	53	178969	104.545	ug/l	97
16) Acetone	3.82	43	128238	87.890	ug/l	98
17) Carbon Disulfide	4.05	76	235965	16.217	ug/l	99
18) Methyl Acetate	4.33	43	103877	24.461	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	260847	20.425	ug/l	100
20) Methylene Chloride	4.55	84	112499	20.389	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	97417	19.228	ug/l	96
22) Diisopropyl ether	5.96	45	361267	22.493	ug/l	98
23) Vinyl Acetate	5.90	43	1085557	102.947	ug/l	97
24) 1,1-Dichloroethane	5.85	63	207914	21.695	ug/l	100
25) 2-Butanone	6.84	43	196579	103.001	ug/l	97
26) 2,2-Dichloropropane	6.83	77	100001	13.368	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	113464	20.411	ug/l	99
28) Bromochloromethane	7.20	49	103342	23.351	ug/l	97
29) Tetrahydrofuran	7.22	42	136173	112.591	ug/l	95
30) Chloroform	7.37	83	212235	22.350	ug/l	100
31) Cyclohexane	7.66	56	161693	18.416	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	176095	21.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	143681	18.234	ug/l	98
37) Ethyl Acetate	6.93	43	85778	18.933	ug/l #	78
38) Carbon Tetrachloride	7.78	117	151507	18.383	ug/l	97

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 Data File : VN051566.D
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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

Quant Time: Sep 27 09:12:06 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)
39) Methylcyclohexane	9.08	83	142055	15.422	ug/l	93
40) Benzene	8.04	78	453355	19.595	ug/l	98
41) Methacrylonitrile	7.18	41	52135	20.800	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	147695	19.936	ug/l	100
43) Isopropyl Acetate	8.17	43	173611	21.192	ug/l	96
44) Trichloroethene	8.84	130	114565	18.643	ug/l	97
45) 1,2-Dichloropropane	9.12	63	126459	20.107	ug/l	97
46) Dibromomethane	9.21	93	71944	20.246	ug/l	96
47) Bromodichloromethane	9.40	83	159767	20.316	ug/l	97
48) Methyl methacrylate	9.20	41	80717	19.762	ug/l	97
49) 1,4-Dioxane	9.20	88	19773	395.006	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	463062	102.776	ug/l	98
52) Toluene	10.16	92	270717	18.828	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	141245	17.791	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	161694	17.562	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	104710	20.606	ug/l	96
56) Ethyl methacrylate	10.43	69	115258	18.551	ug/l	97
57) 1,3-Dichloropropane	10.71	76	173743	19.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	293317	100.499	ug/l	98
59) 2-Hexanone	10.75	43	282583	96.749	ug/l	95
60) Dibromochloromethane	10.90	129	116556	19.440	ug/l	100
61) 1,2-Dibromoethane	11.01	107	96877	19.639	ug/l	97
64) Tetrachloroethene	10.63	164	115979	21.180	ug/l	95
65) Chlorobenzene	11.43	112	296389	19.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	116988	19.836	ug/l	100
67) Ethyl Benzene	11.51	91	478692	18.349	ug/l	99
68) m/p-Xylenes	11.62	106	374087	37.071	ug/l	100
69) o-Xylene	11.95	106	177923	18.340	ug/l	97
70) Styrene	11.96	104	282245	18.361	ug/l	98
71) Bromoform	12.13	173	77661	19.406	ug/l #	97
73) Isopropylbenzene	12.25	105	473641	19.256	ug/l	99
74) N-amyl acetate	12.07	43	124180	20.122	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	125496	21.880	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	143779	29.710	ug/l #	100
77) Bromobenzene	12.53	156	123962	19.908	ug/l	96
78) n-propylbenzene	12.59	91	542936	19.585	ug/l	99
79) 2-Chlorotoluene	12.67	91	340841	20.541	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	395719	19.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25849	16.424	ug/l	95
82) 4-Chlorotoluene	12.77	91	329808	19.914	ug/l	98
83) tert-Butylbenzene	12.99	119	349575	19.582	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	403421	19.961	ug/l	100
85) sec-Butylbenzene	13.17	105	477835	19.785	ug/l	98
86) p-Isopropyltoluene	13.29	119	395365	18.919	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	210374	19.524	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	199837	19.274	ug/l	99
89) n-Butylbenzene	13.62	91	298016	17.342	ug/l	99
90) Hexachloroethane	13.88	117	81949	19.682	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	210605	20.144	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17268	21.096	ug/l	96

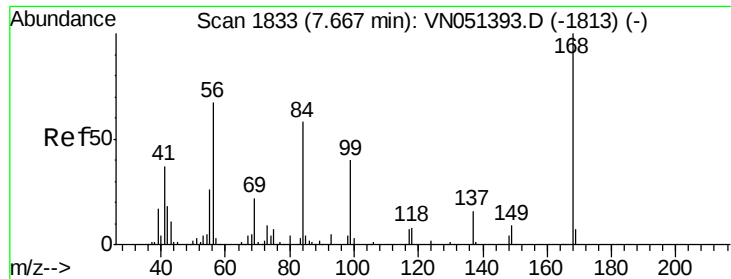
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051566.D
Acq On : 27 Sep 2018 6:22
Operator : MD\SY
Sample : VN0927WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0927WBSD02

Quant Time: Sep 27 09:12:06 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)
93) 1,2,4-Trichlorobenzene	14.91	180	82458	18.861	ug/l	99
94) Hexachlorobutadiene	15.01	225	74365	18.799	ug/l	98
95) Naphthalene	15.13	128	144807	19.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	89951	17.928	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

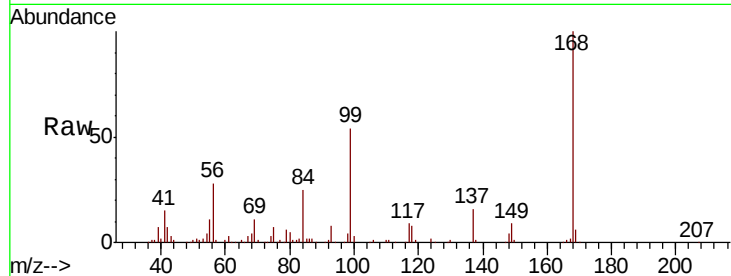
VN0927WBSD02

Tot Ion:168 Resp: 445124

Ion Ratio Lower Upper

168 100

99 53.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

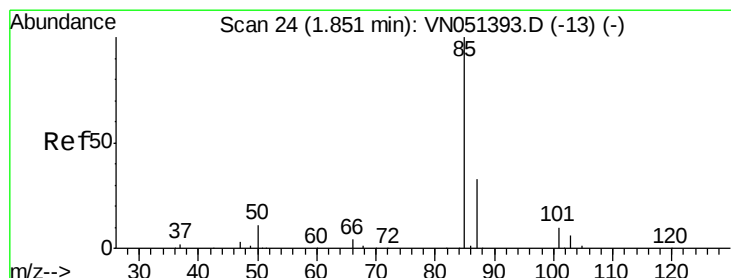
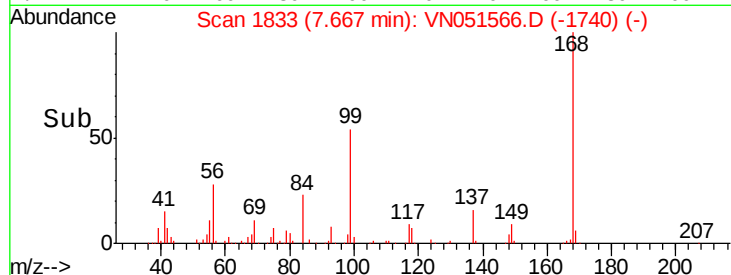
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.550 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051566.D

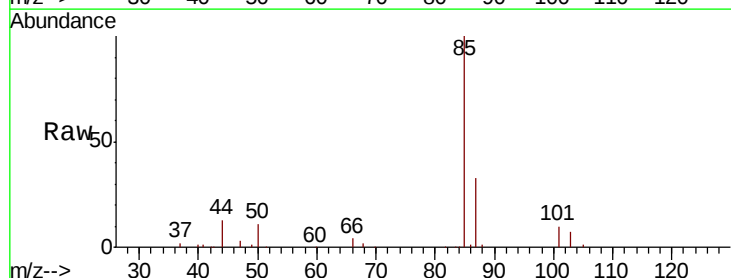
Acq: 27 Sep 2018 6:22

Tgt Ion: 85 Resp: 72880

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

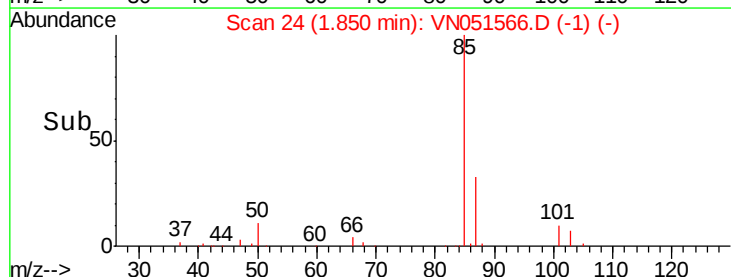
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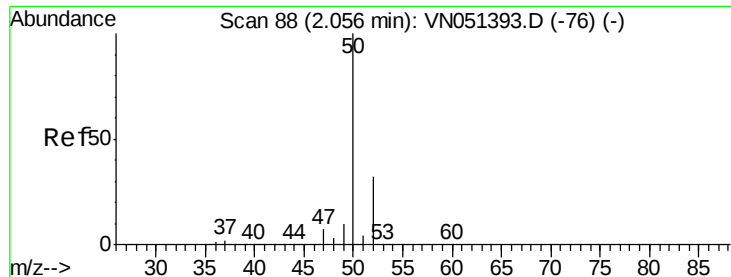
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0

1.80 1.85 1.90

Time-->

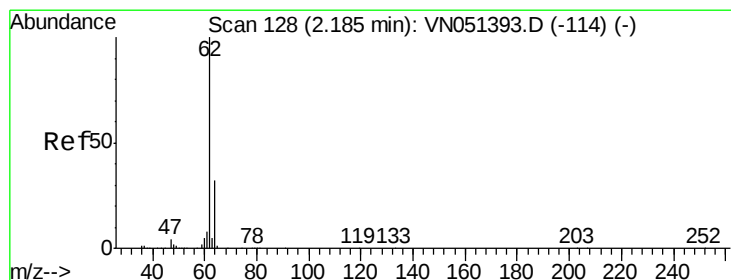
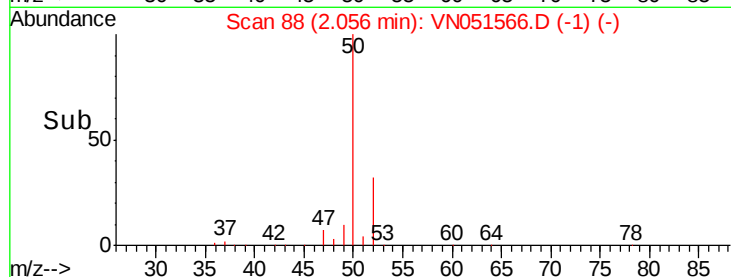
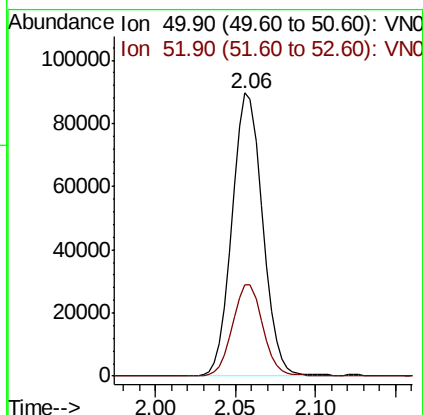
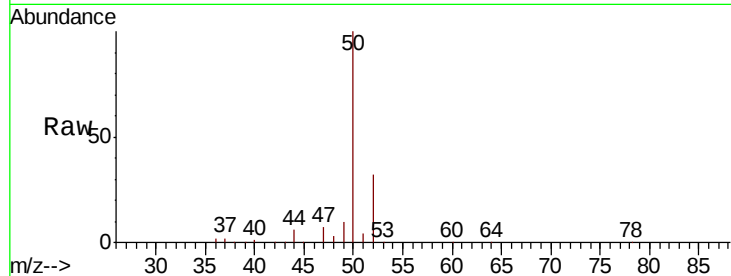




#3
Chloromethane
Concen: 17.590 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

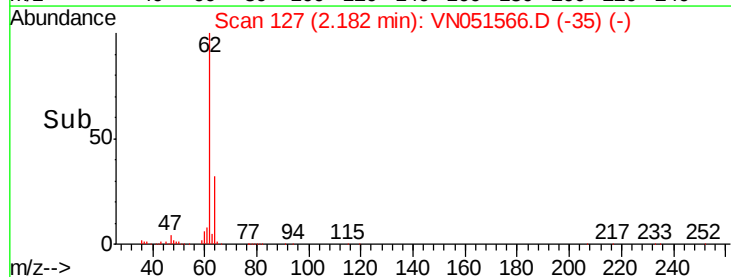
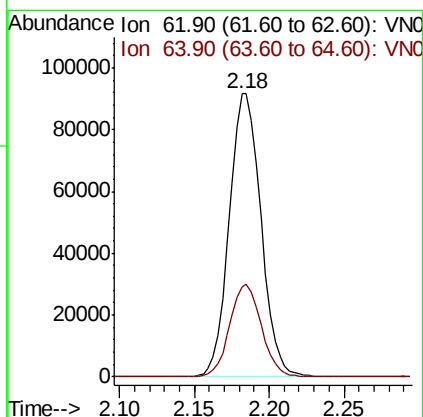
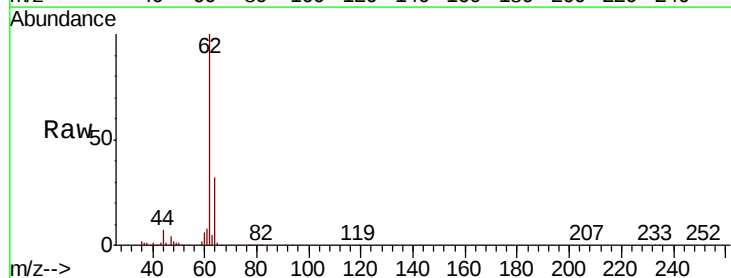
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

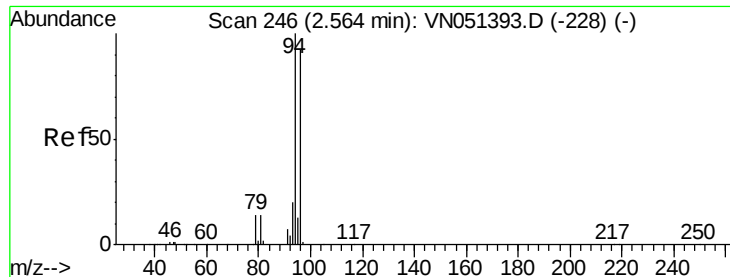
Tot Ion: 50 Resp: 116285
Ion Ratio Lower Upper
50 100
52 32.2 25.7 38.5



#4
Vinyl Chloride
Concen: 18.580 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 62 Resp: 135565
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.8





#5

Bromomethane

Concen: 15.119 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

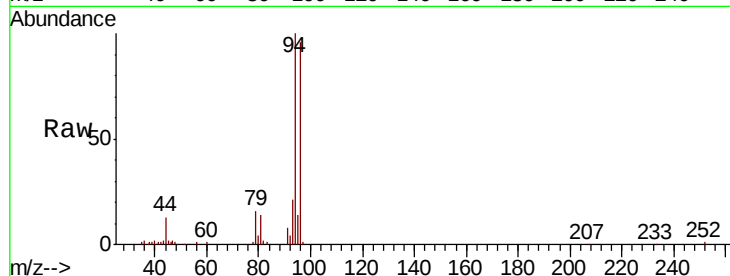
VN0927WBSD02

Tot Ion: 94 Resp: 65927

Ion Ratio Lower Upper

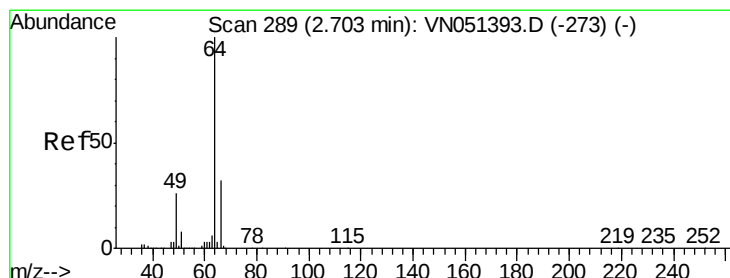
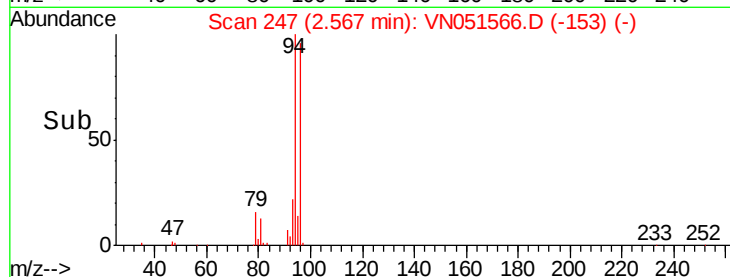
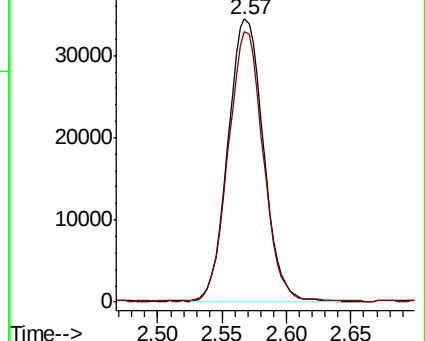
94 100

96 95.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 13.637 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051566.D

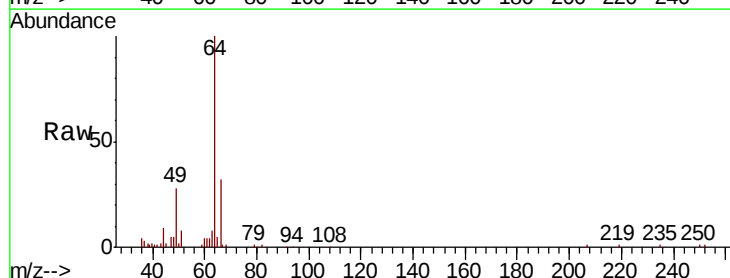
Acq: 27 Sep 2018 6:22

Tgt Ion: 64 Resp: 62000

Ion Ratio Lower Upper

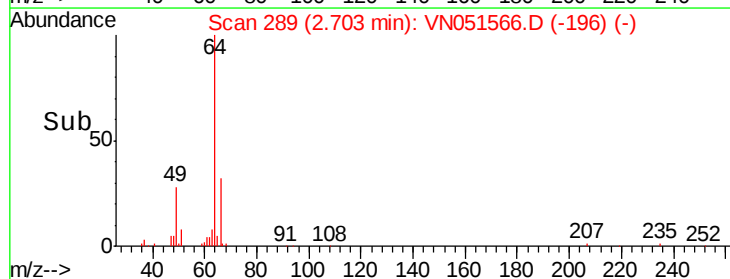
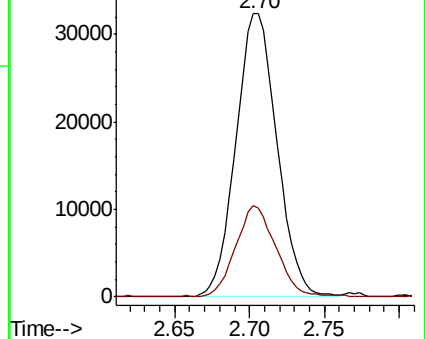
64 100

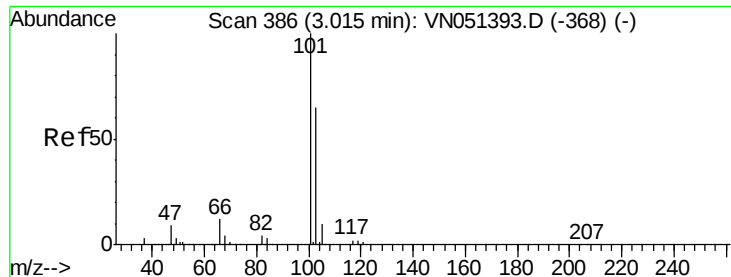
66 32.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



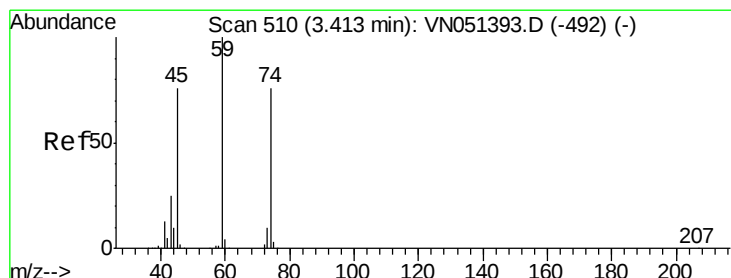
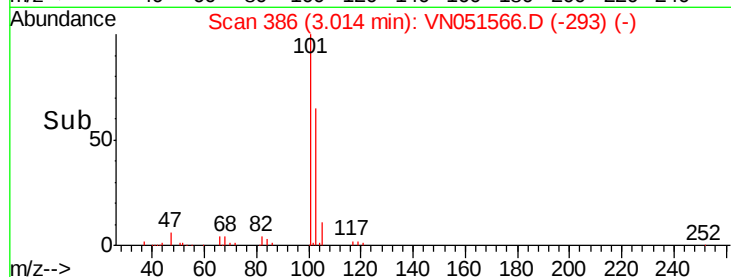
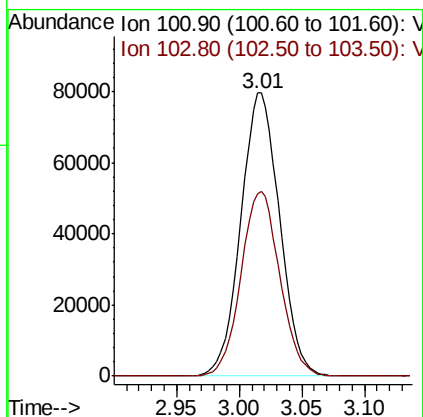
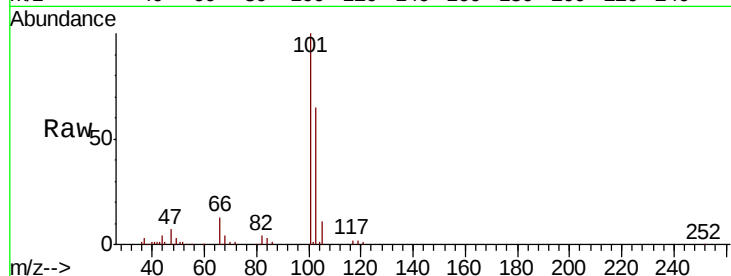


#7

Trichlorofluoromethane
 Concen: 17.950 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

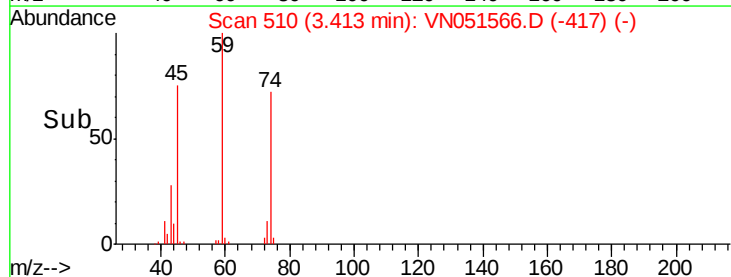
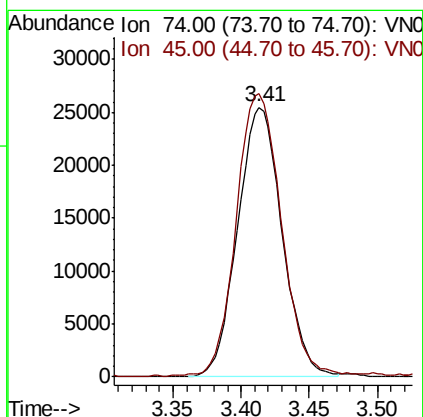
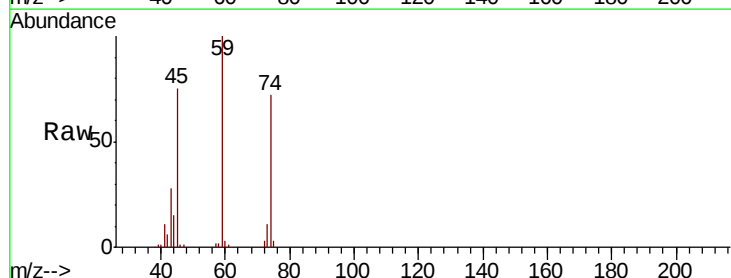
Tot Ion:101 Resp: 171554
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8

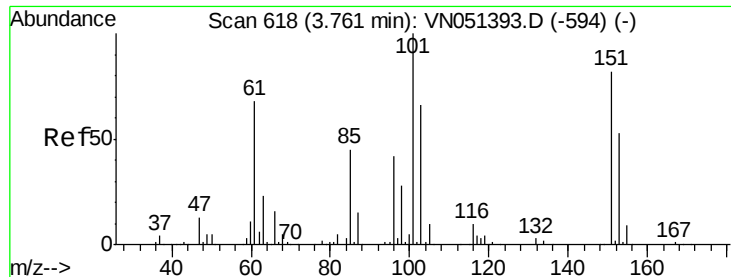


#8

Diethyl Ether
 Concen: 17.456 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion: 74 Resp: 57713
 Ion Ratio Lower Upper
 74 100
 45 107.5 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.679 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

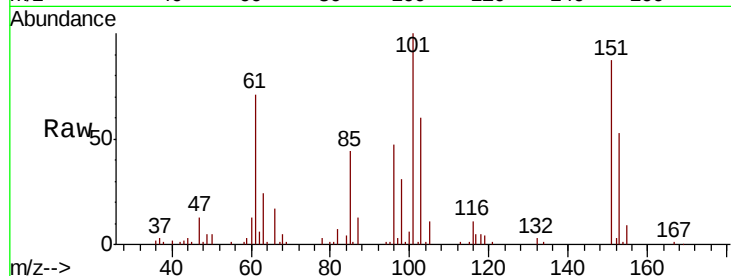
Tot Ion:101 Resp: 100750

Ion Ratio Lower Upper

101 100

85 42.9 33.9 50.9

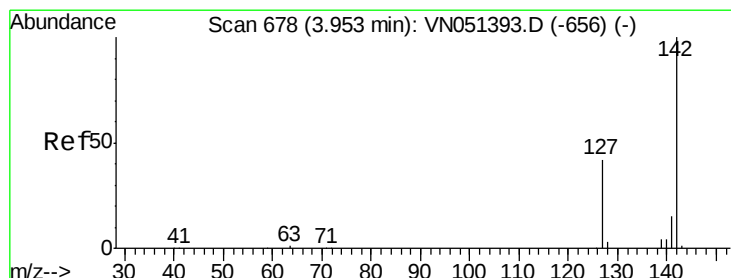
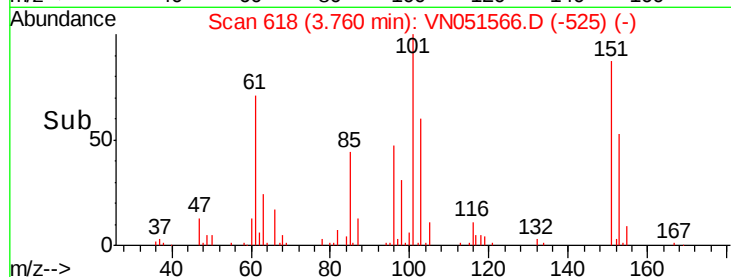
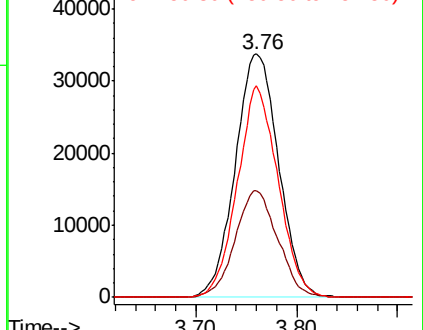
151 81.4 65.2 97.8



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: 15.465 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

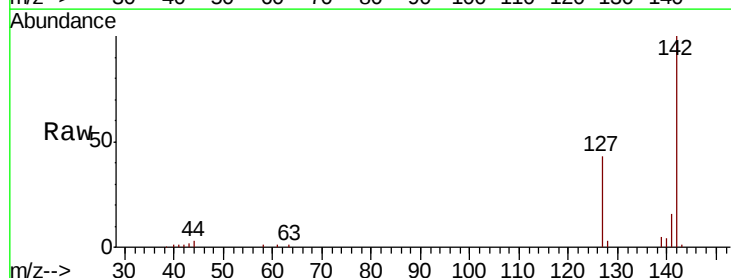
Tgt Ion:142 Resp: 109432

Ion Ratio Lower Upper

142 100

127 43.6 33.2 49.8

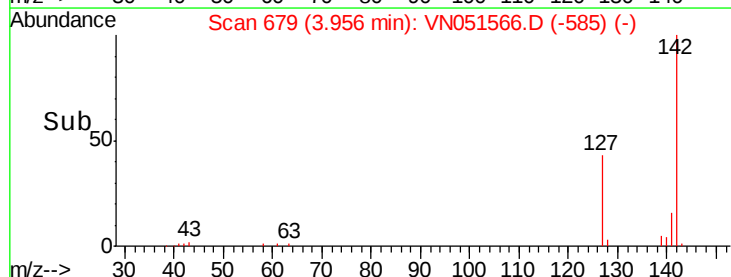
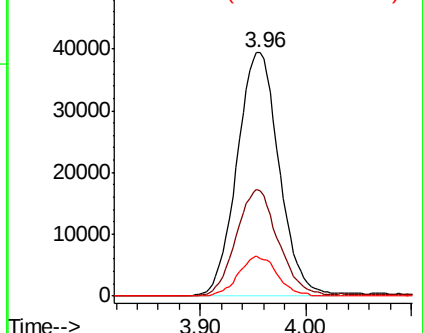
141 15.0 11.5 17.3

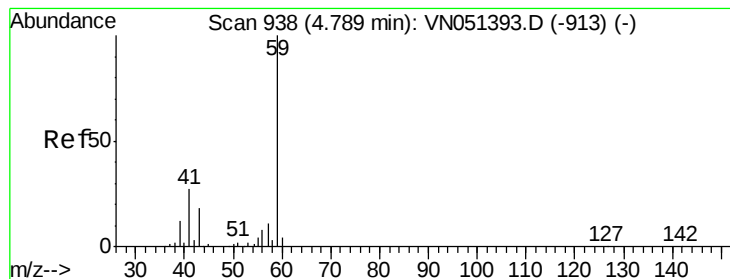


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



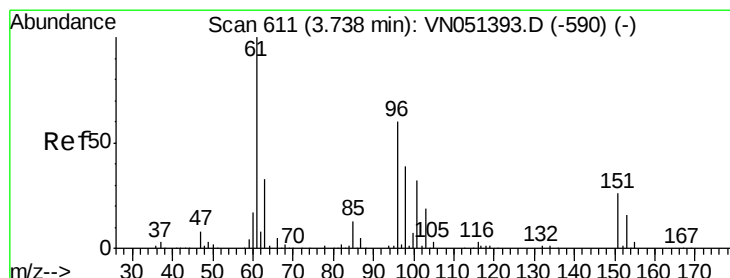
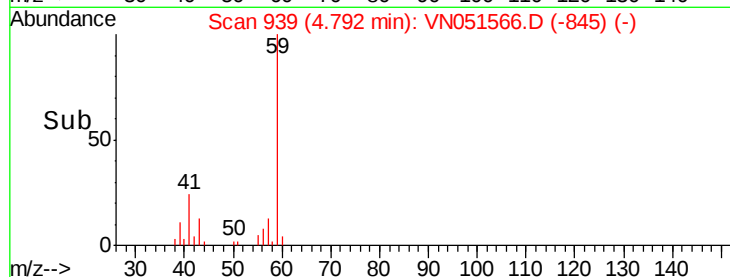
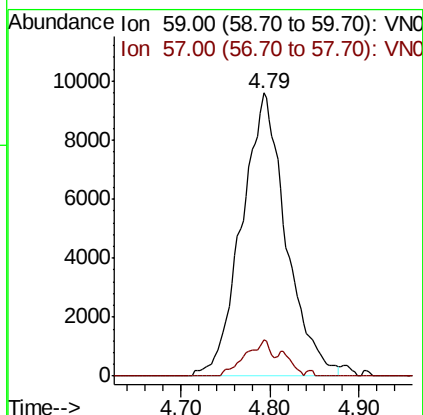
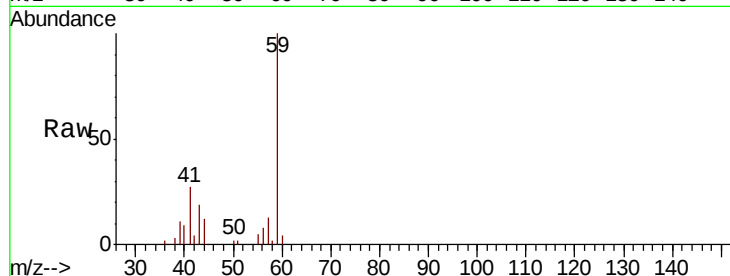


#11

Tert butyl alcohol
Concen: 105.410 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD02

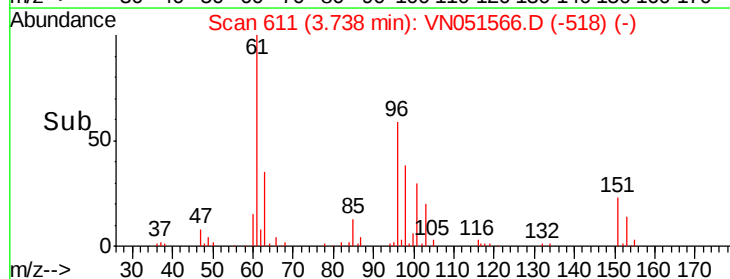
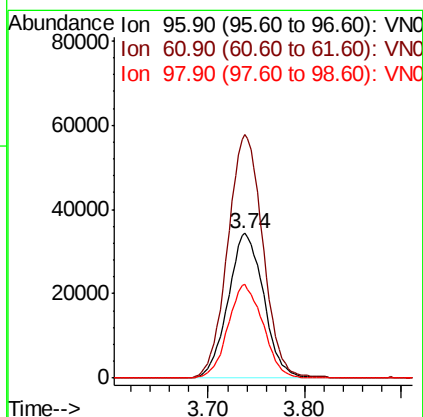
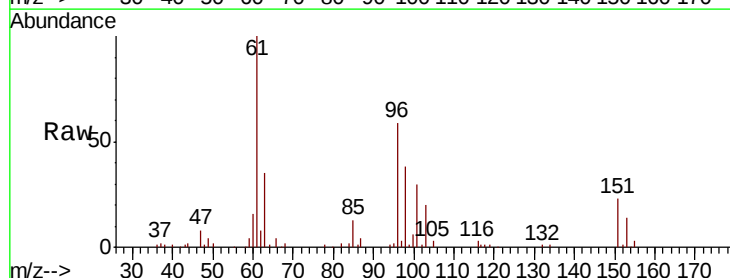
Tot Ion: 59 Resp: 33172
Ion Ratio Lower Upper
59 100
57 7.5 6.2 9.2

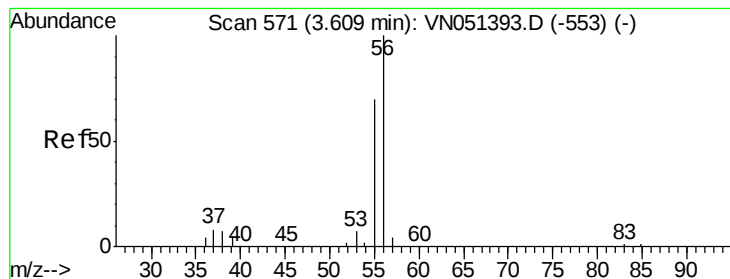


#12

1,1-Dichloroethene
Concen: 17.746 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 96 Resp: 87889
Ion Ratio Lower Upper
96 100
61 168.2 133.6 200.4
98 64.4 52.2 78.2





#13

Acrolein

Concen: 69.128 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

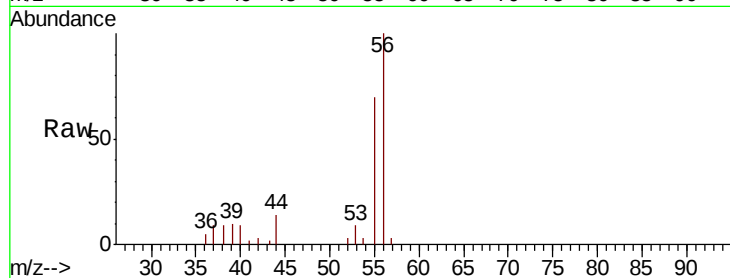
VN0927WBSD02

Tot Ion: 56 Resp: 21602

Ion Ratio Lower Upper

56 100

55 76.1 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN051393.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051393.D (-553) (-)

3.61

10000

8000

6000

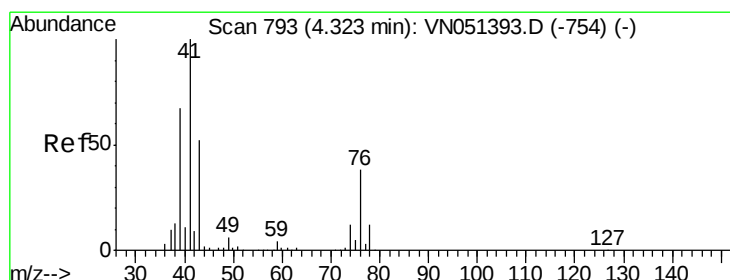
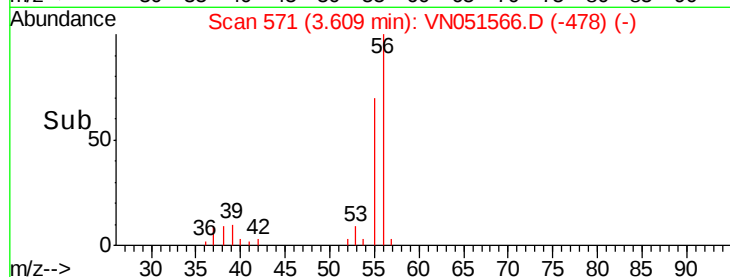
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.407 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

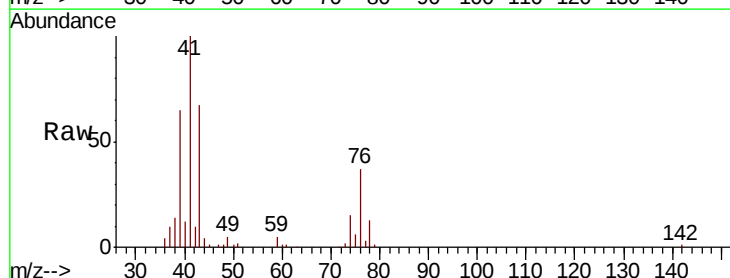
Tgt Ion: 41 Resp: 152947

Ion Ratio Lower Upper

41 100

39 63.7 51.4 77.2

76 34.6 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN051393.D (-754) (-)

4.33

60000

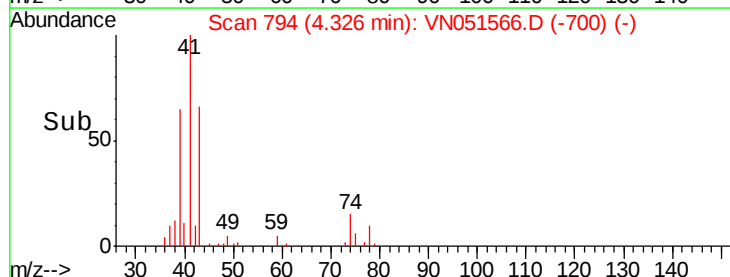
40000

20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 104.545 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

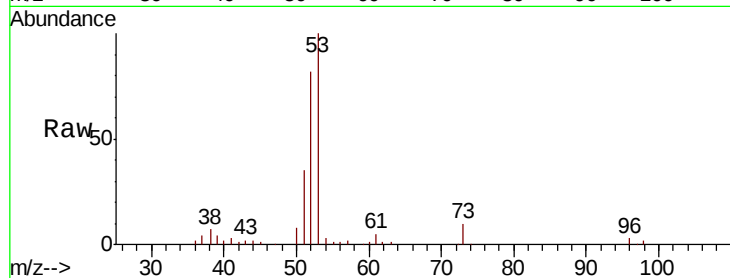
Tot Ion: 53 Resp: 178969

Ion Ratio Lower Upper

53 100

52 79.7 66.2 99.2

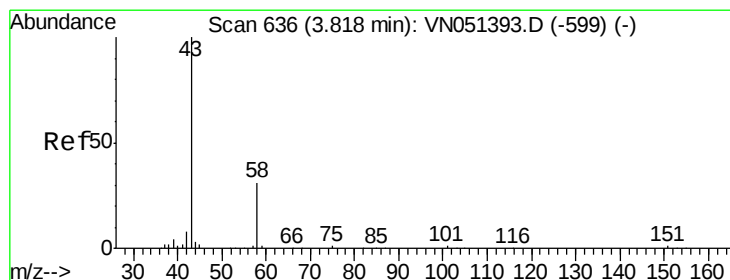
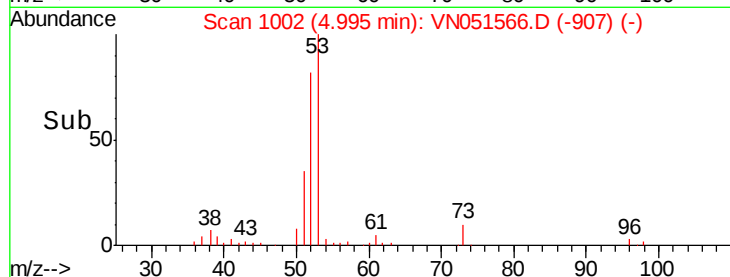
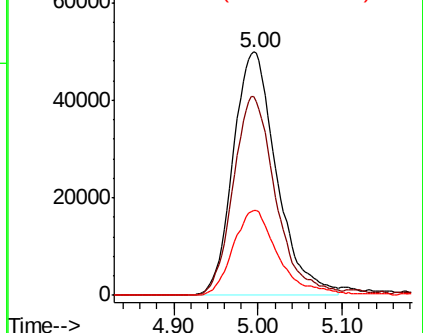
51 36.3 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.890 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051566.D

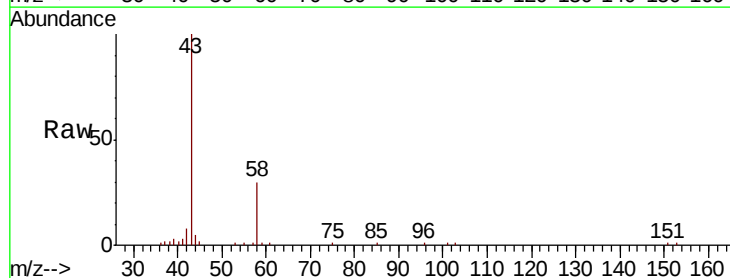
Acq: 27 Sep 2018 6:22

Tgt Ion: 43 Resp: 128238

Ion Ratio Lower Upper

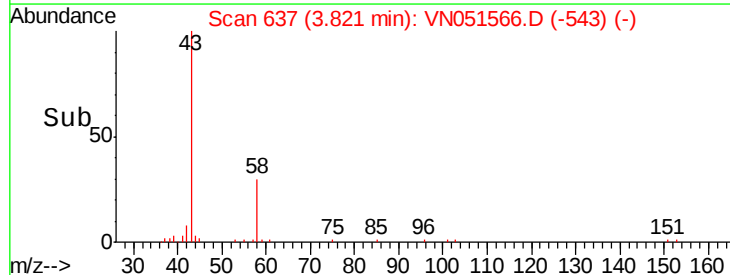
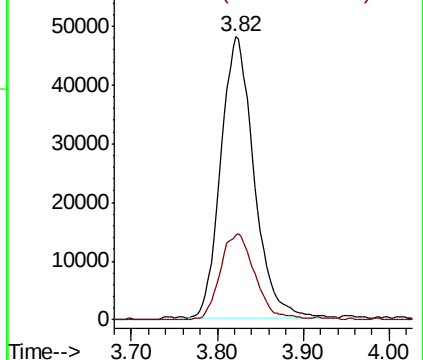
43 100

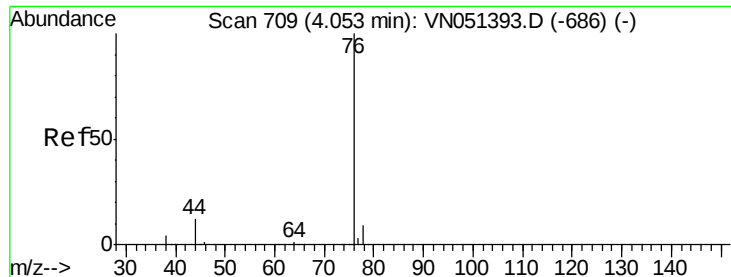
58 30.1 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

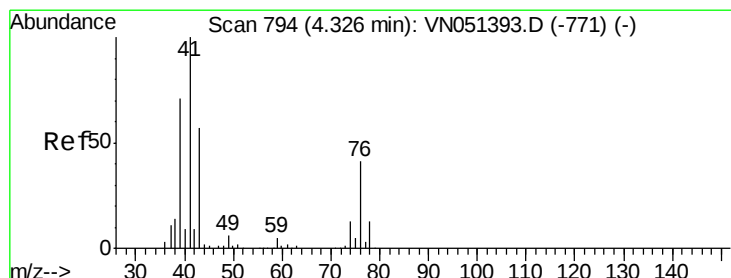
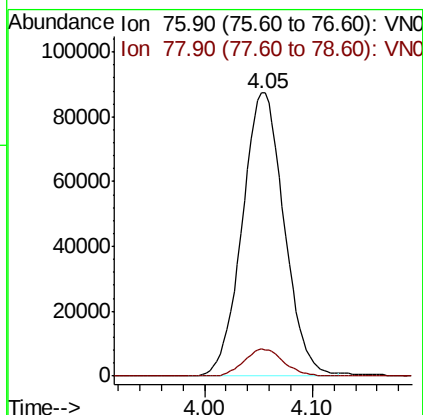
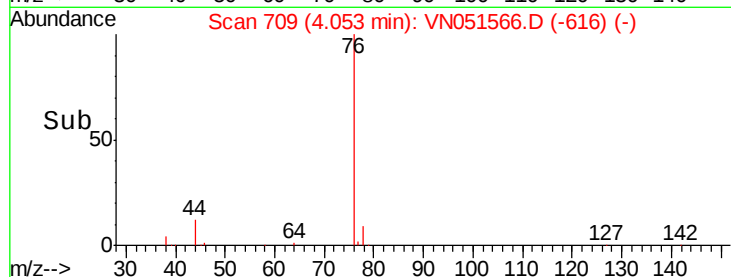
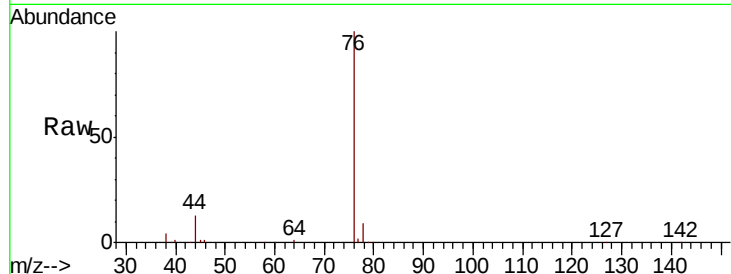




#17
Carbon Disulfide
Concen: 16.217 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

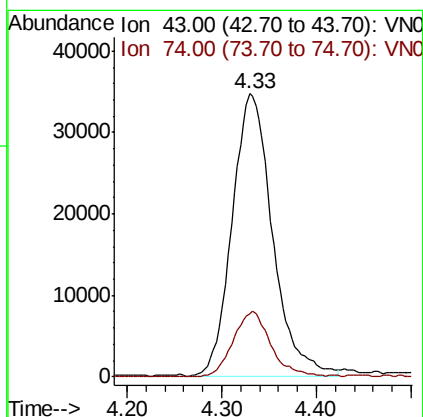
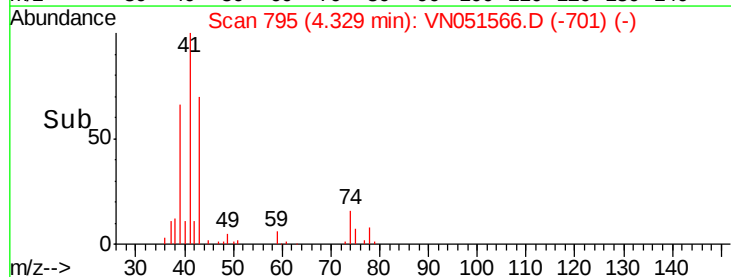
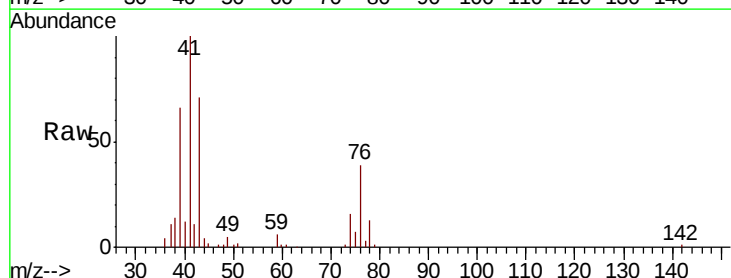
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

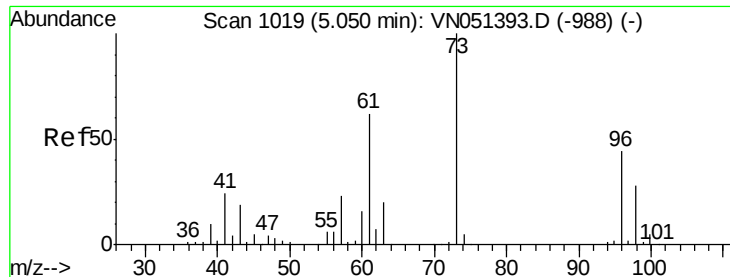
Tot Ion: 76 Resp: 235965
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 24.461 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 43 Resp: 103877
Ion Ratio Lower Upper
43 100
74 21.4 18.8 28.2





#19

Methyl tert-butyl Ether

Concen: 20.425 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

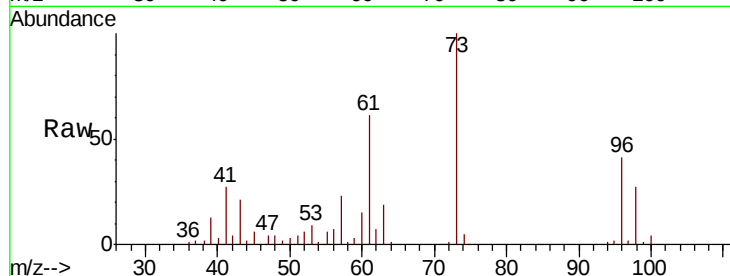
VN0927WBSD02

Tot Ion: 73 Resp: 260847

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN051393.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN051393.D (-988) (-)

5.05

60000

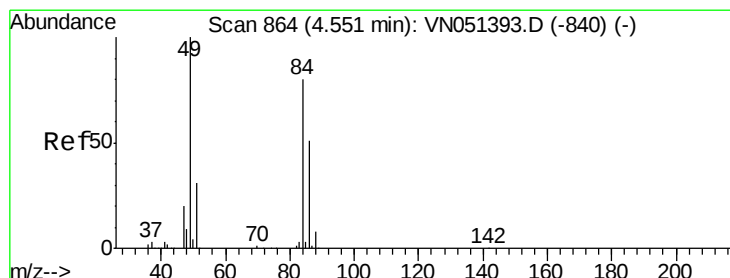
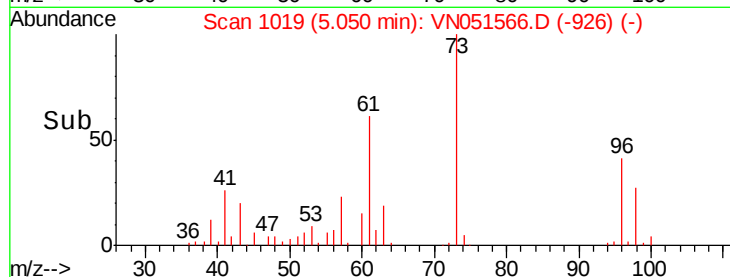
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 20.389 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion: 84 Resp: 112499

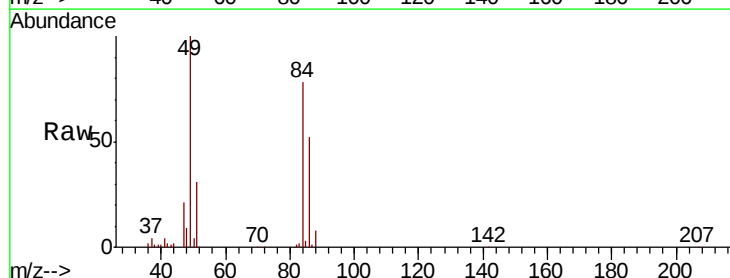
Ion Ratio Lower Upper

84 100

49 127.2 99.9 149.9

51 39.9 31.4 47.2

86 66.2 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VN051393.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN051393.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN051393.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN051393.D (-840) (-)

4.55

60000

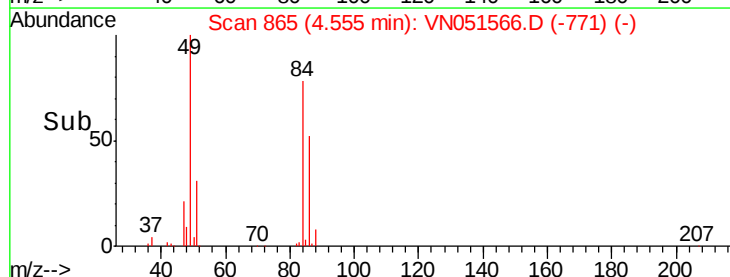
40000

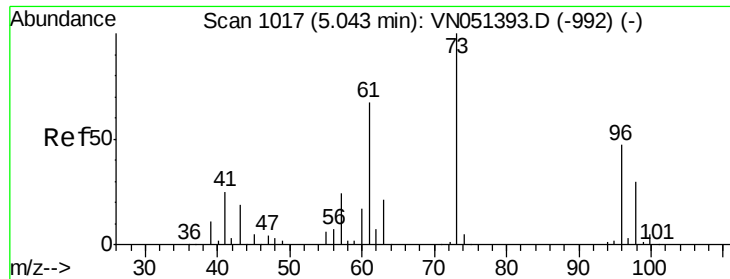
20000

0

Time-->

4.50 4.60

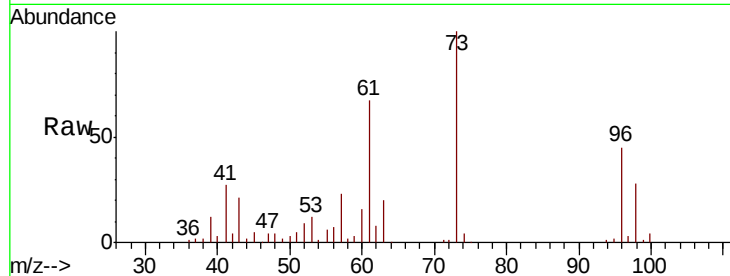




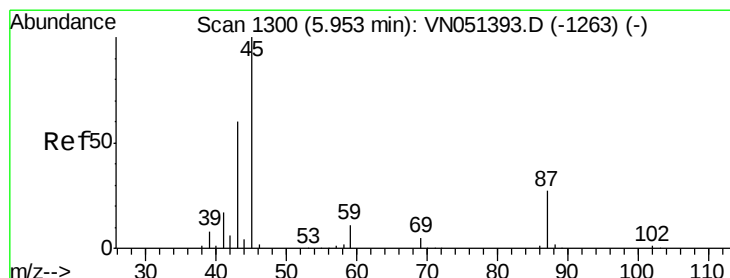
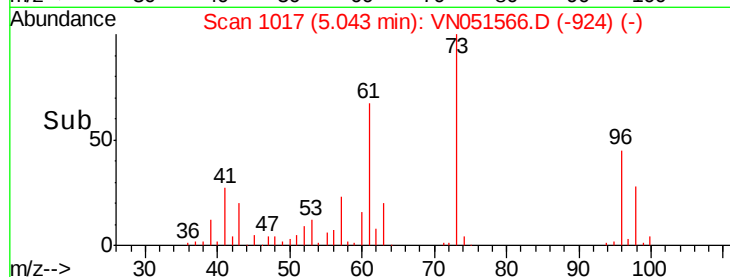
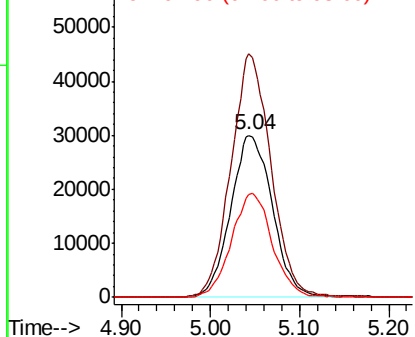
#21
trans-1,2-Dichloroethene
Concen: 19.228 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion: 96 Resp: 97417
Ion Ratio Lower Upper
96 100
61 149.6 113.4 170.2
98 63.7 51.1 76.7

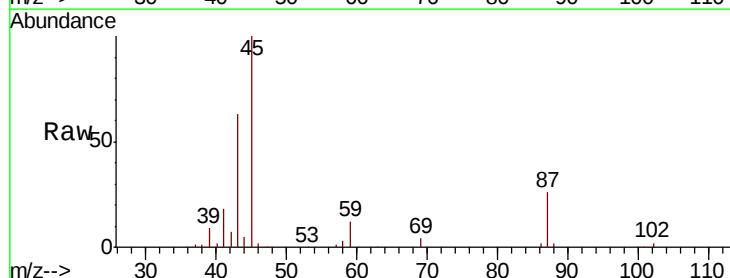


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

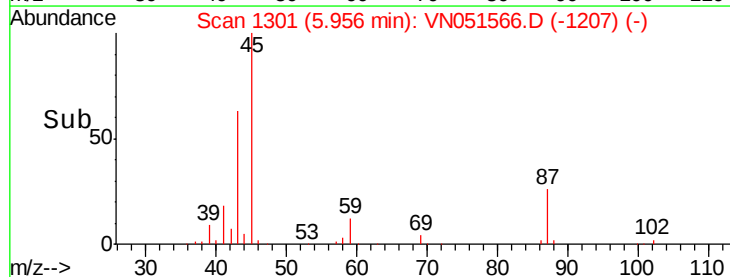
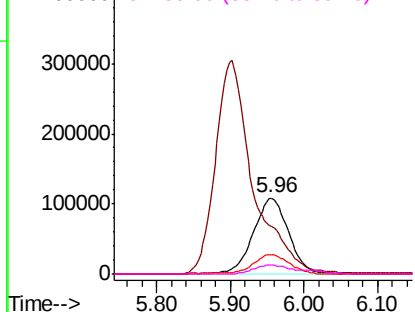


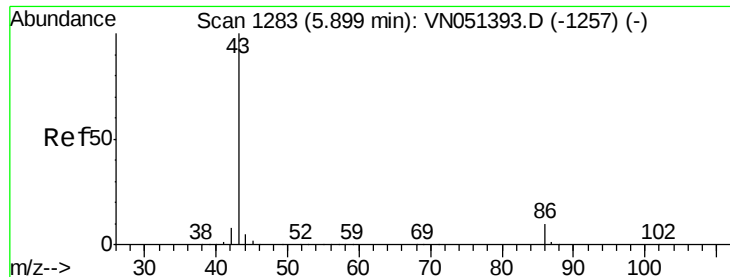
#22
Diisopropyl ether
Concen: 22.493 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 45 Resp: 361267
Ion Ratio Lower Upper
45 100
43 60.5 47.7 71.5
87 25.7 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: 102.947 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleID :

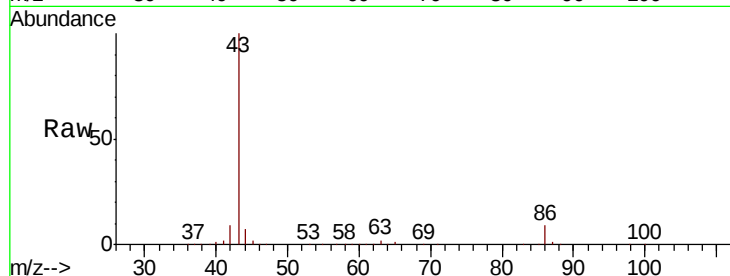
VN0927WBSD02

Tot Ion: 43 Resp: 1085557

Ion Ratio Lower Upper

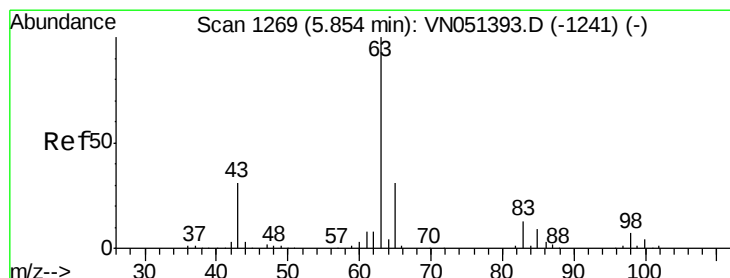
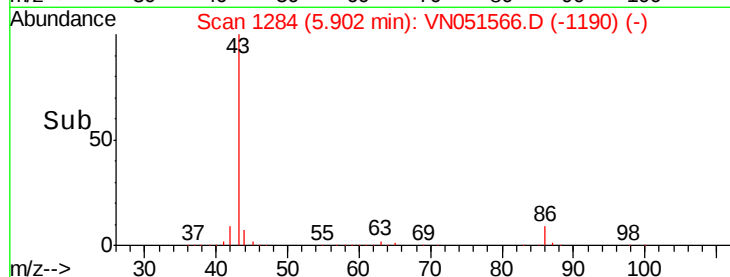
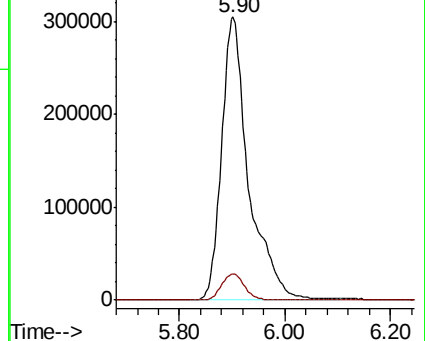
43 100

86 9.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.695 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

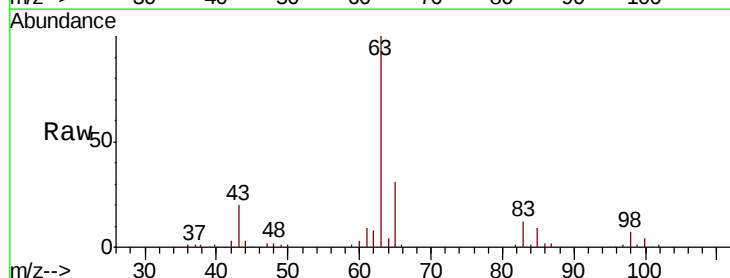
Tgt Ion: 63 Resp: 207914

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

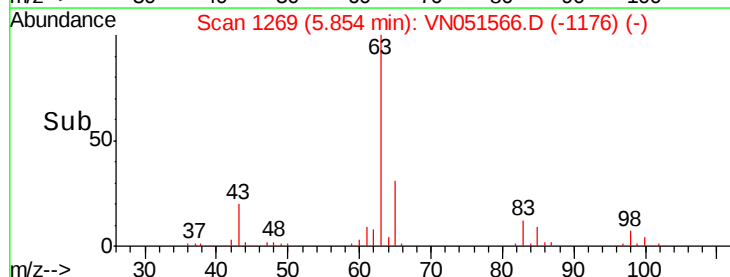
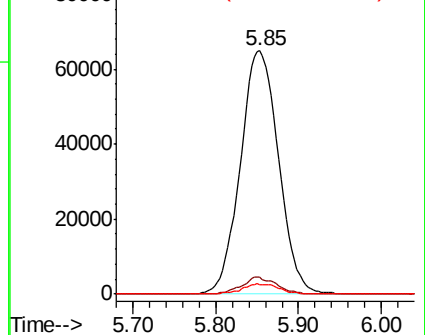
100 4.1 2.2 6.6

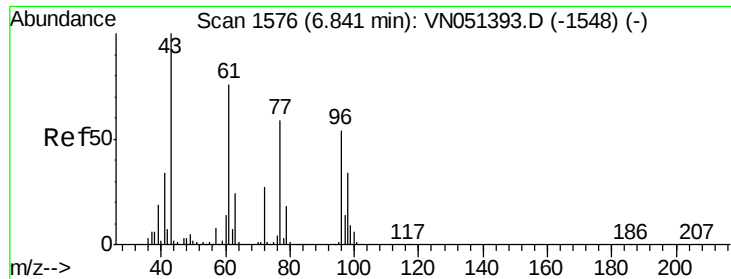


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.001 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

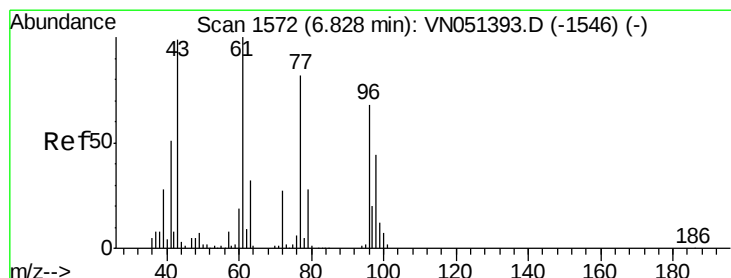
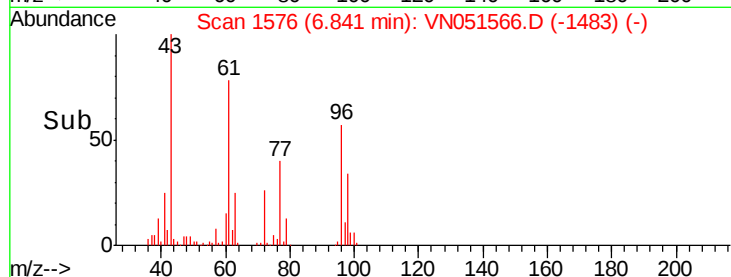
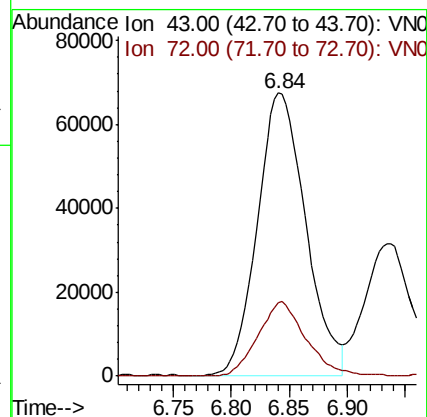
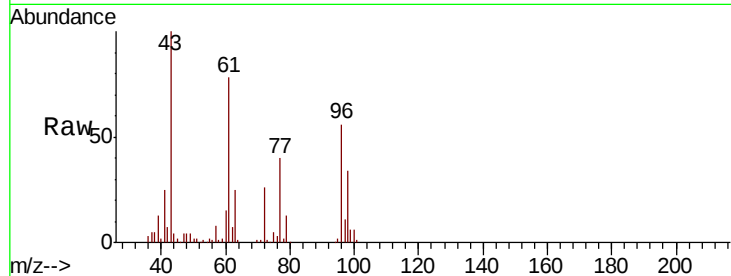
VN0927WBSD02

Tot Ion: 43 Resp: 196579

Ion Ratio Lower Upper

43 100

72 25.8 21.8 32.6



#26

2,2-Dichloropropane

Concen: 13.368 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051566.D

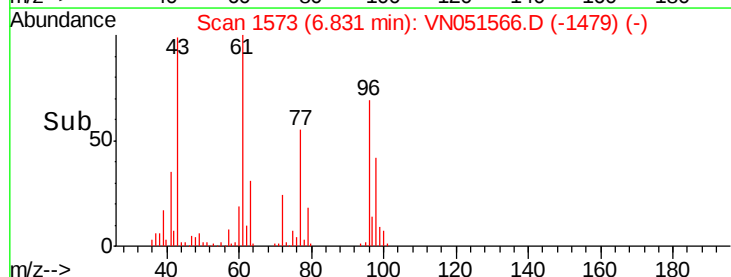
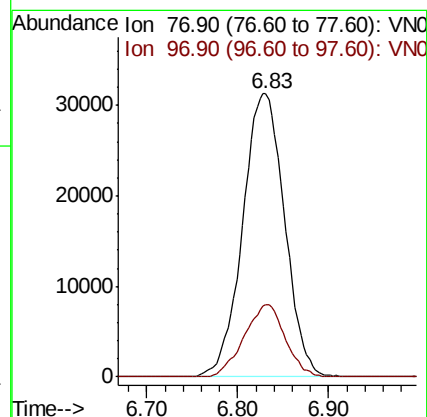
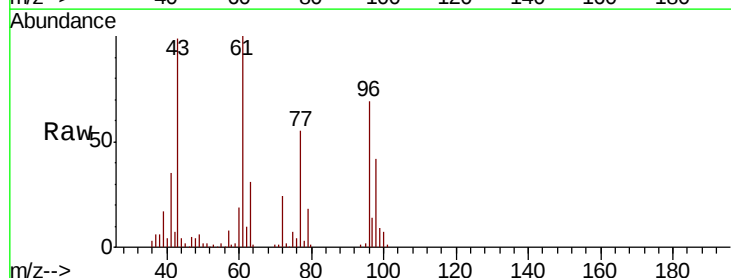
Acq: 27 Sep 2018 6:22

Tgt Ion: 77 Resp: 100001

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.411 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

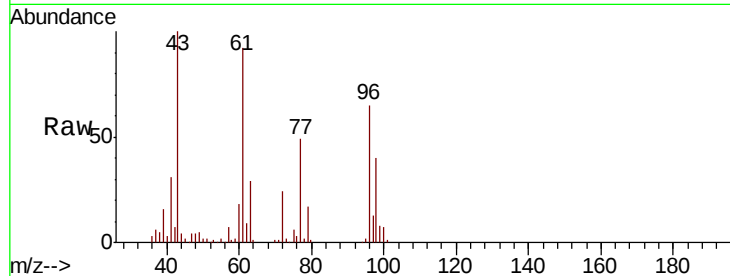
Tot Ion: 96 Resp: 113464

Ion Ratio Lower Upper

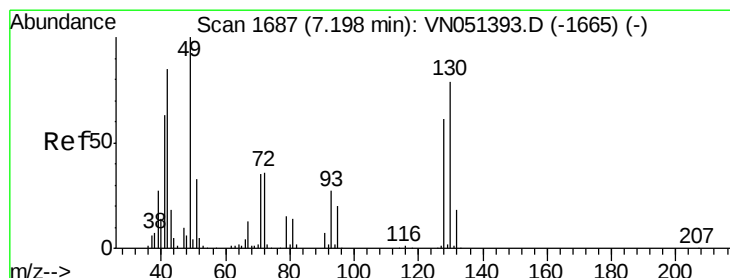
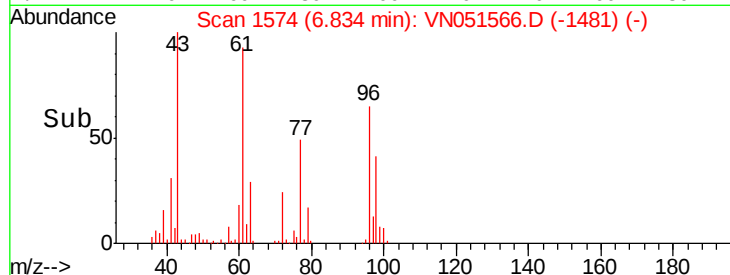
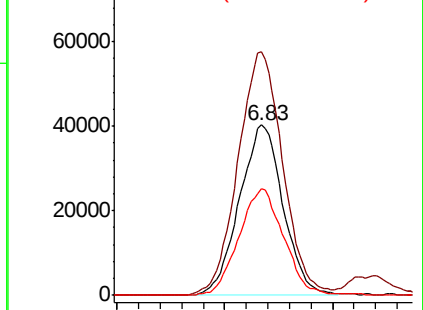
96 100

61 146.4 0.0 291.4

98 63.6 0.0 128.4



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



#28

Bromochloromethane

Concen: 23.351 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

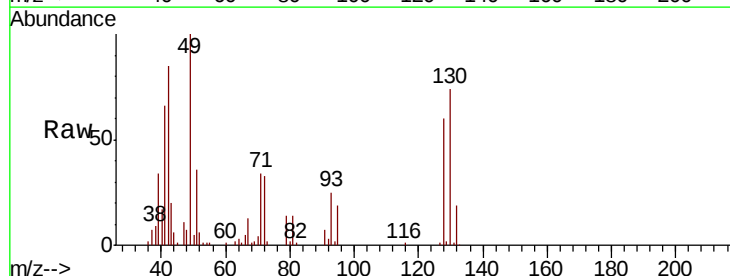
Tgt Ion: 49 Resp: 103342

Ion Ratio Lower Upper

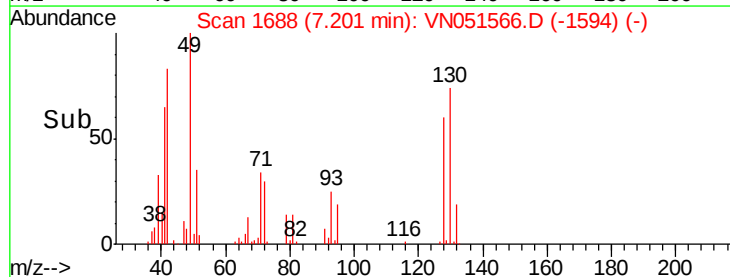
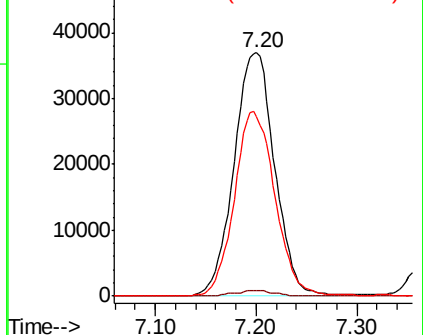
49 100

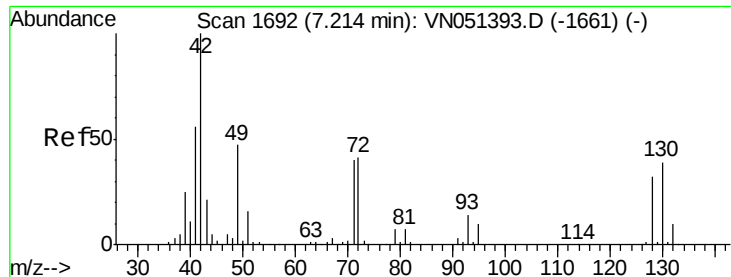
129 2.1 0.0 3.8

130 75.8 63.0 94.4



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

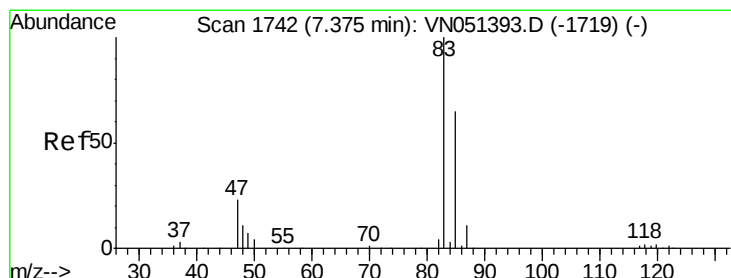
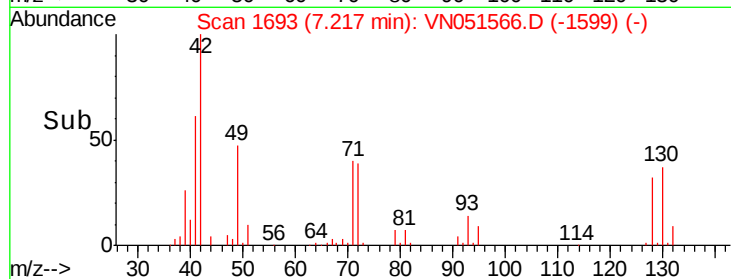
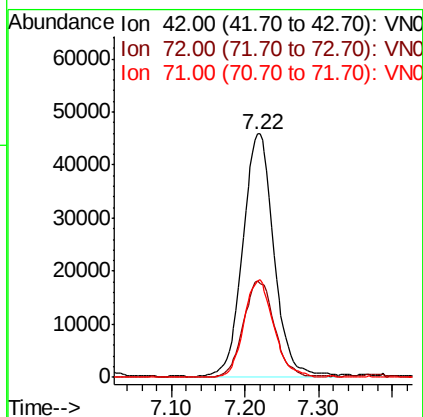
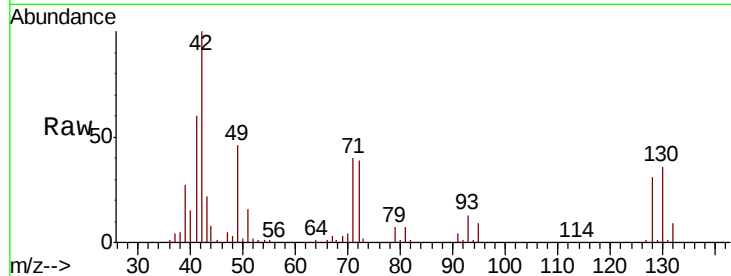




#29
Tetrahydrofuran
Concen: 112.591 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

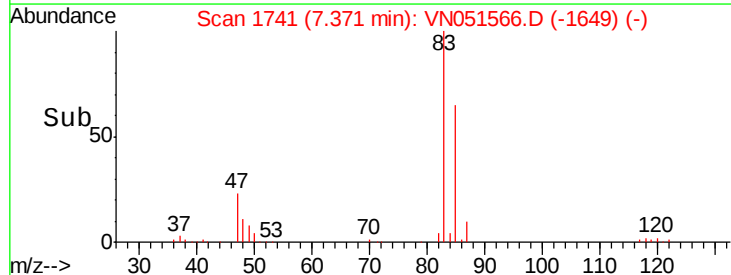
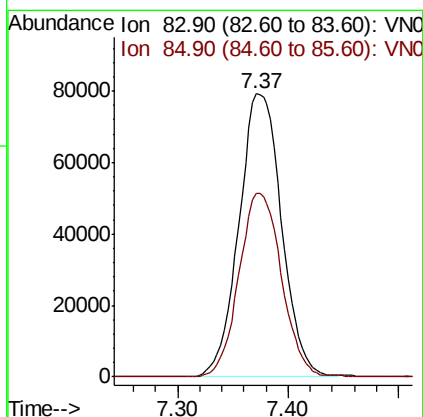
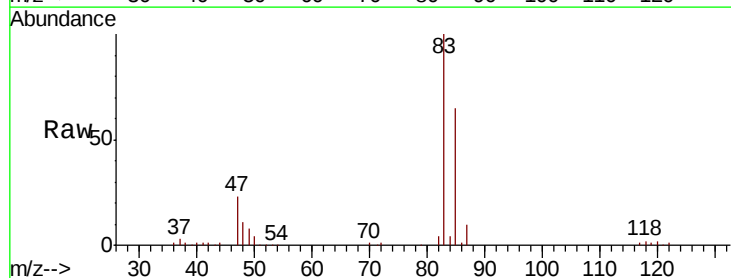
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

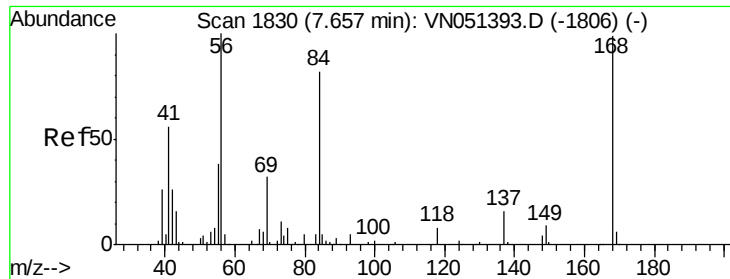
Tot Ion: 42 Resp: 136173
Ion Ratio Lower Upper
42 100
72 39.1 34.3 51.5
71 38.1 32.2 48.4



#30
Chloroform
Concen: 22.350 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 83 Resp: 212235
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.6





#31

Cyclohexane

Concen: 18.416 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

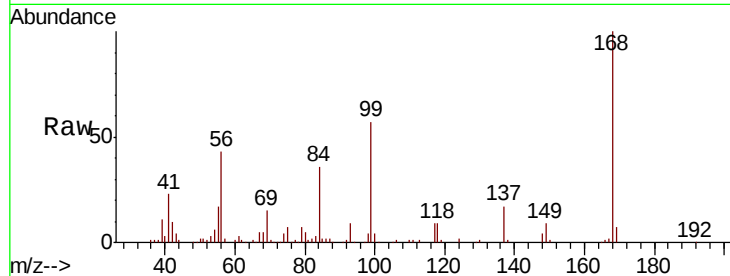
Tot Ion: 56 Resp: 161693

Ion Ratio Lower Upper

56 100

69 36.1 25.8 38.6

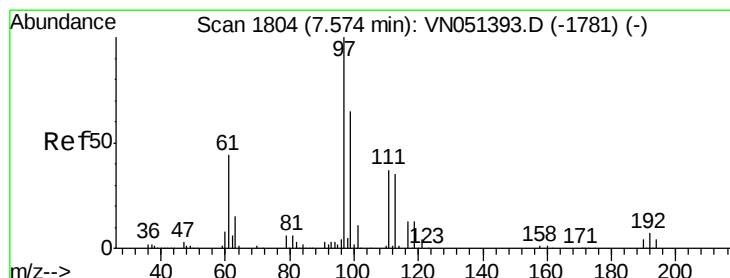
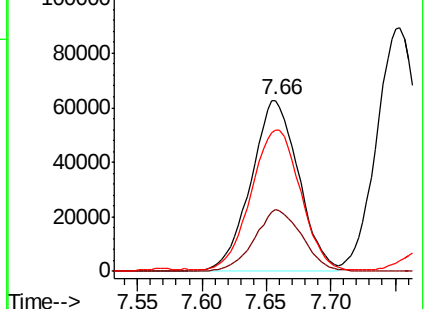
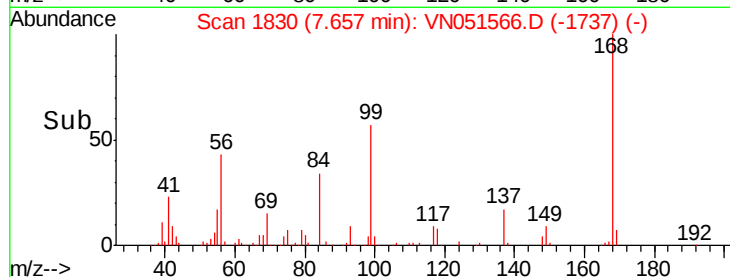
84 81.5 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.692 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

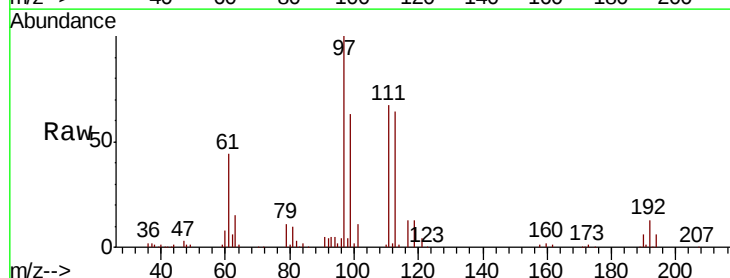
Tgt Ion: 97 Resp: 176095

Ion Ratio Lower Upper

97 100

99 63.1 51.4 77.0

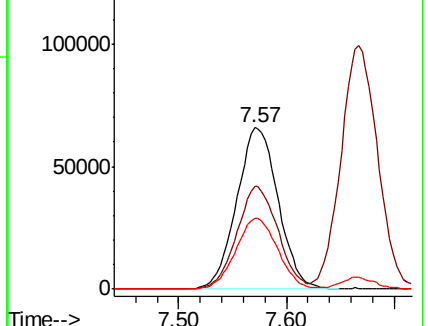
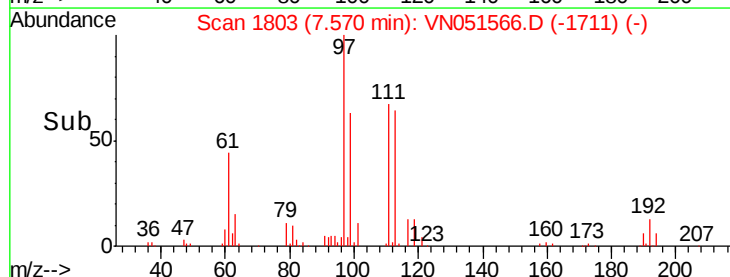
61 44.1 35.8 53.8

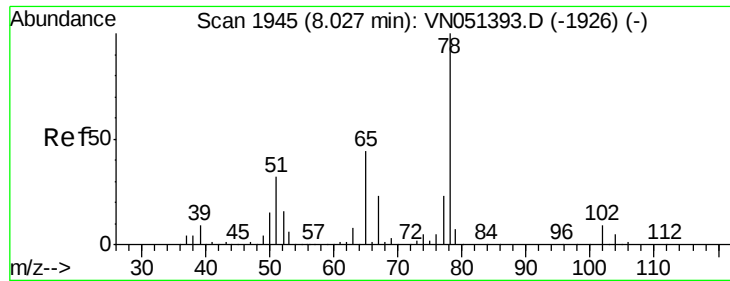


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

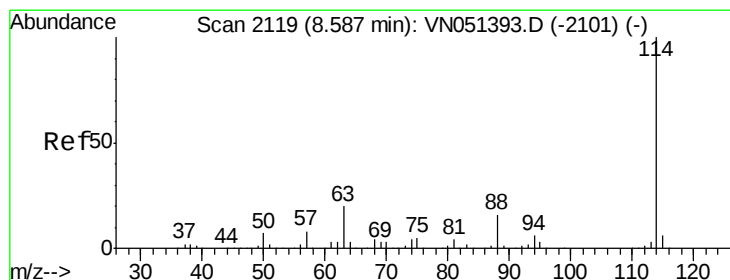
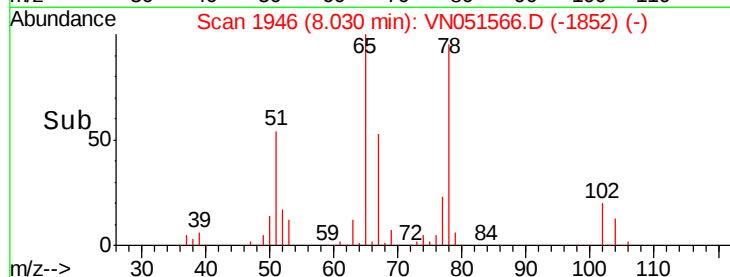
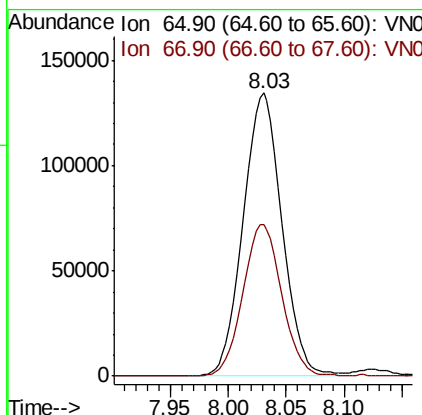
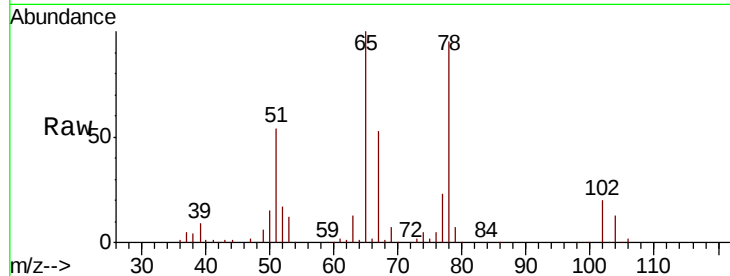




#33
 1,2-Dichloroethane-d4
 Concen: 56.191 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

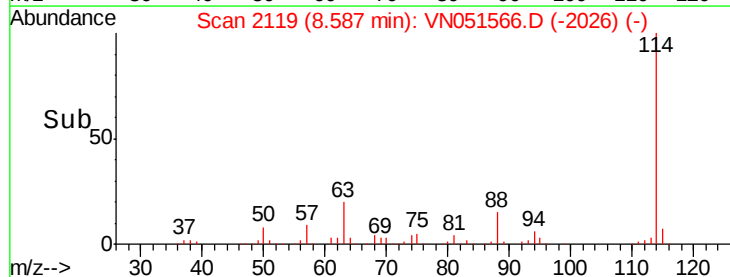
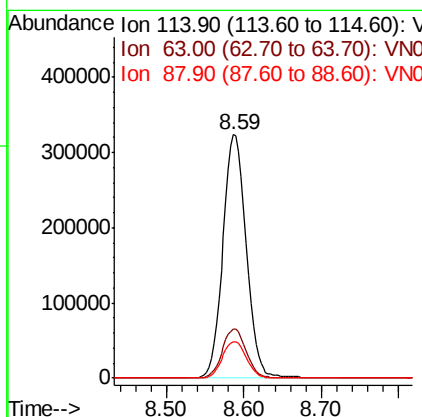
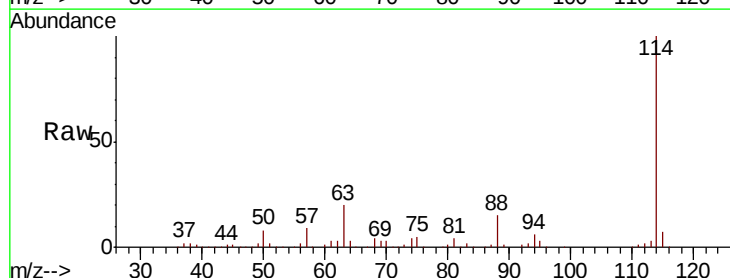
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

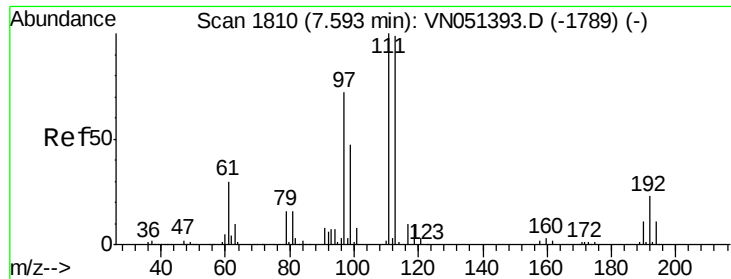
Tot Ion: 65 Resp: 313319
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion: 114 Resp: 680447
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 14.9 0.0 31.4

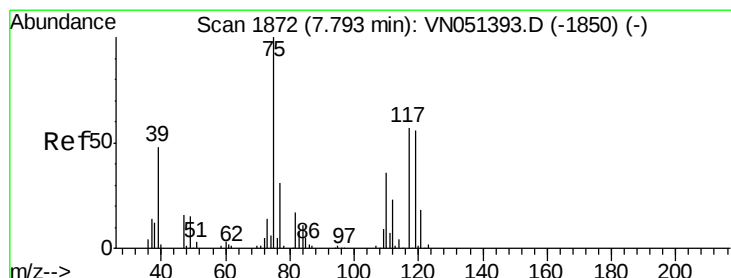
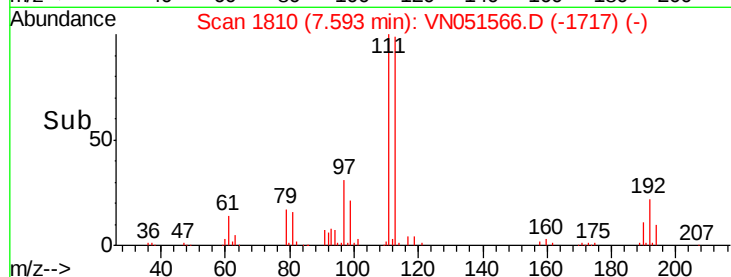
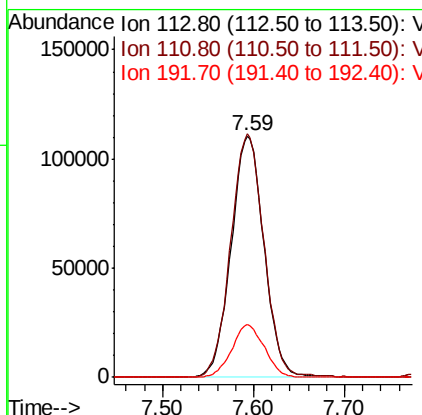
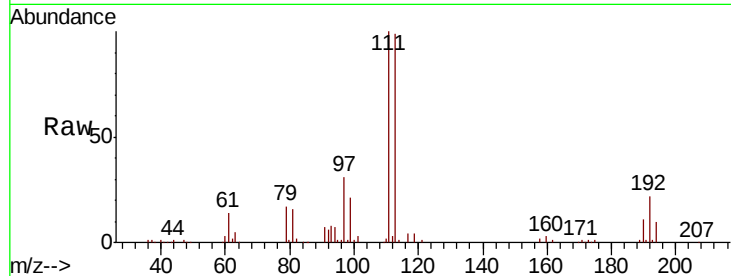




#35
 Dibromofluoromethane
 Concen: 50.985 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

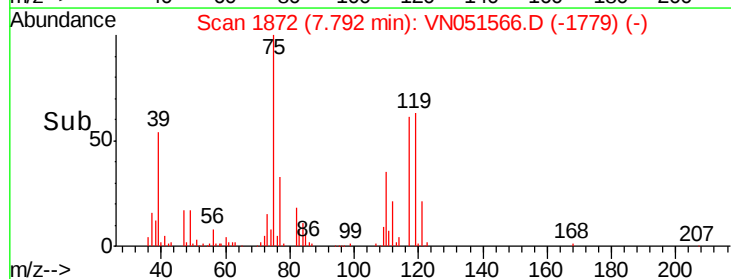
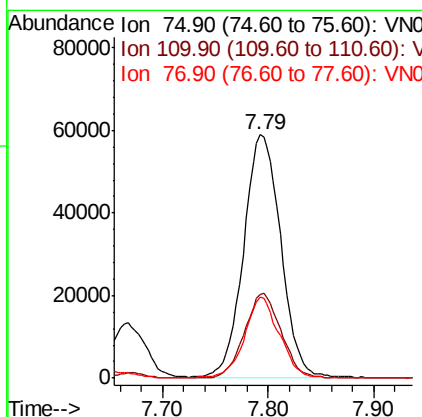
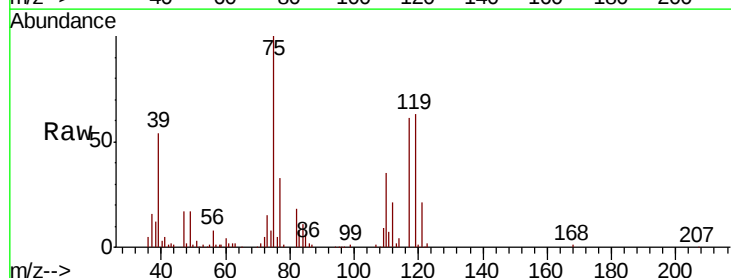
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

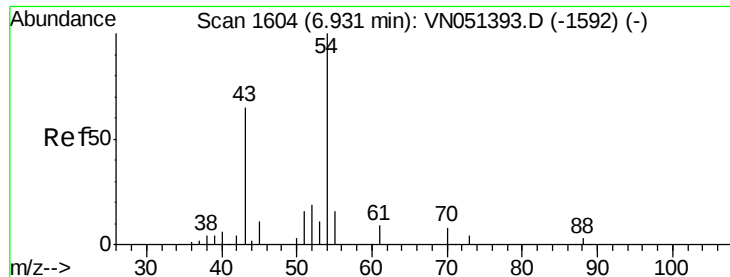
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	21.7	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 18.234 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.1	54.3
77	31.5	25.6	38.4

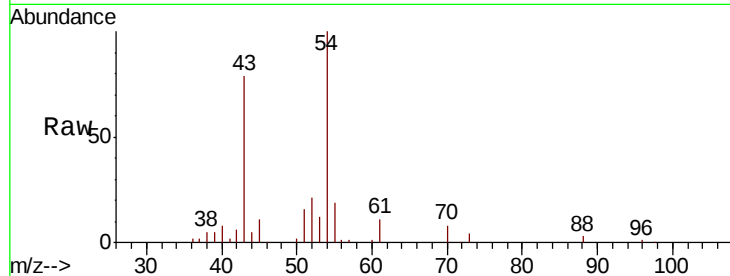




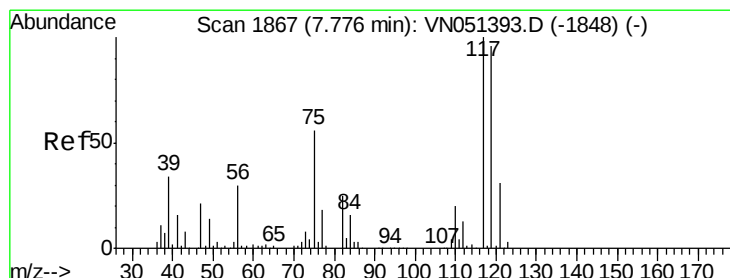
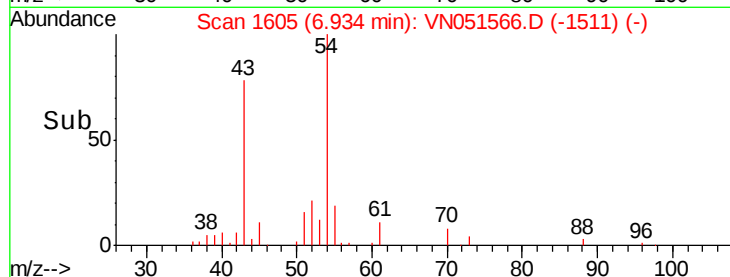
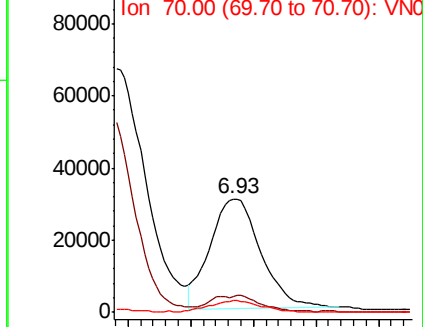
#37
Ethyl Acetate
Concen: 18.933 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion: 43 Resp: 85778
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 10.8 7.9 11.9

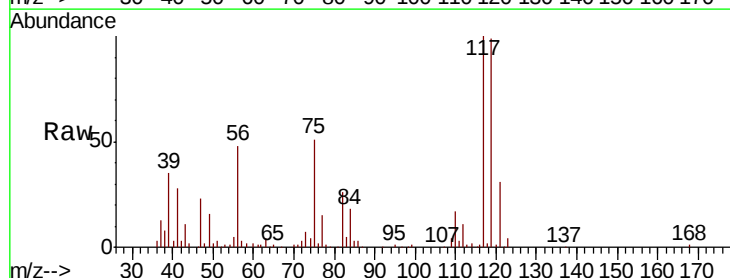


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

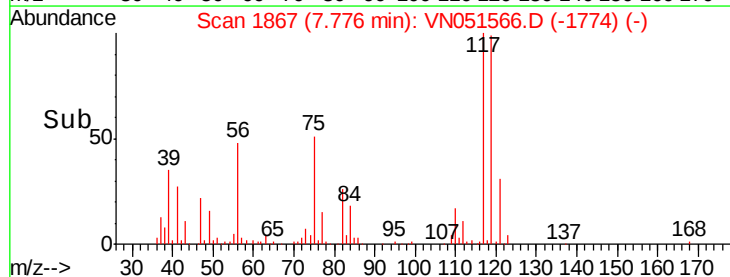
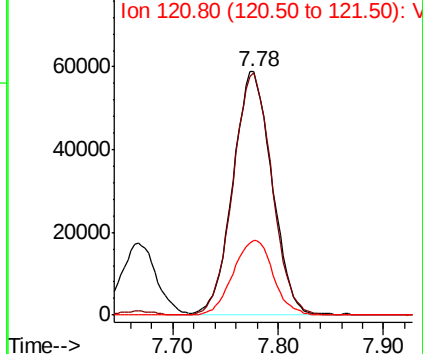


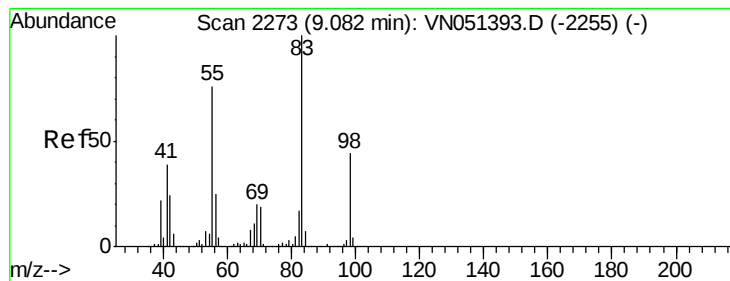
#38
Carbon Tetrachloride
Concen: 18.383 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 117 Resp: 151507
Ion Ratio Lower Upper
117 100
119 99.5 76.9 115.3
121 30.7 24.6 37.0



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

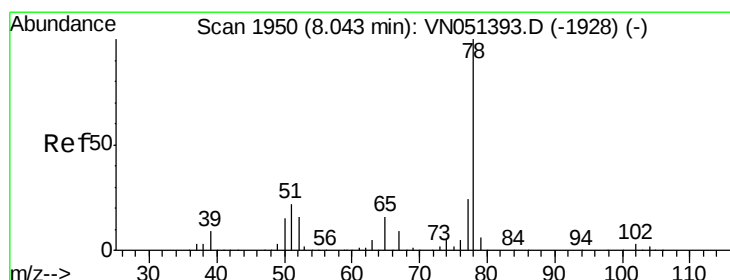
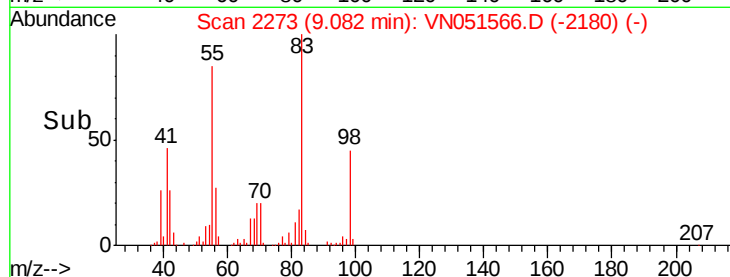
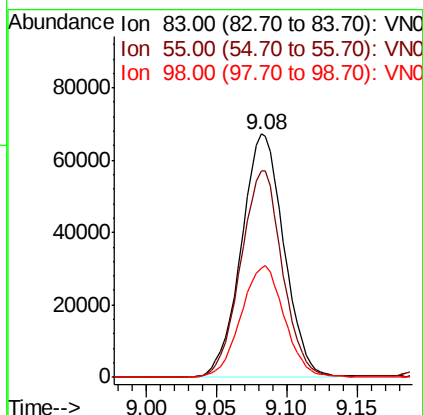
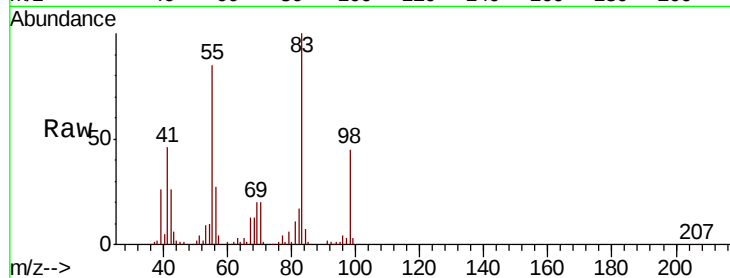




#39
Methvlcvclohexane
Concen: 15.422 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

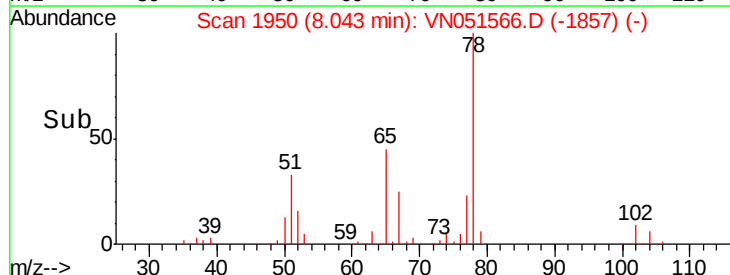
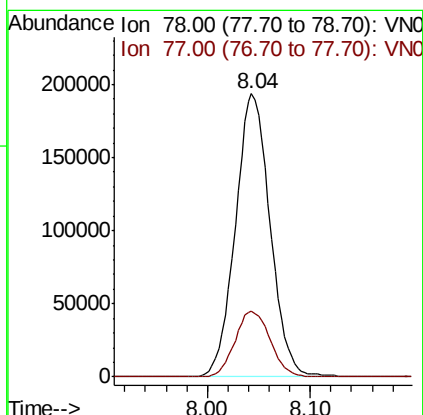
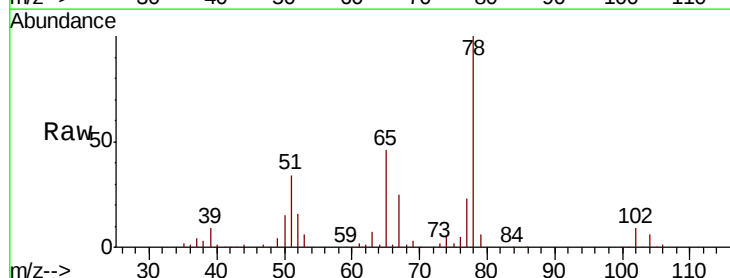
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

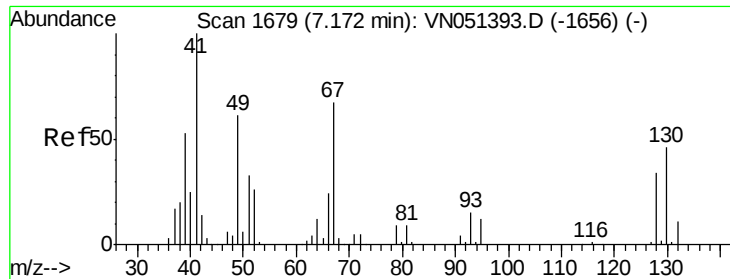
Tot Ion: 83 Resp: 142055
Ion Ratio Lower Upper
83 100
55 84.9 61.0 91.4
98 45.1 35.6 53.4



#40
Benzene
Concen: 19.595 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 78 Resp: 453355
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8

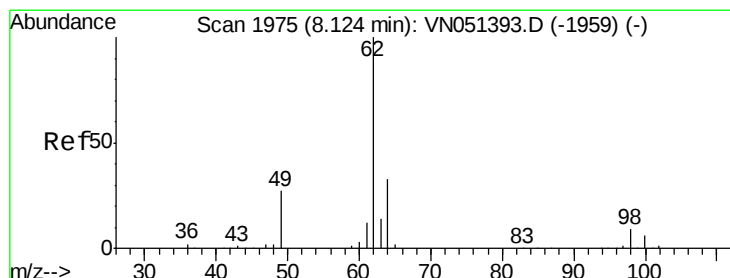
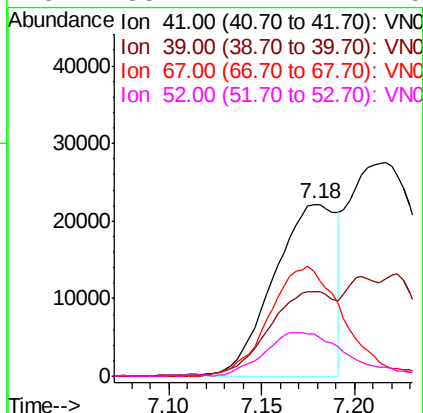
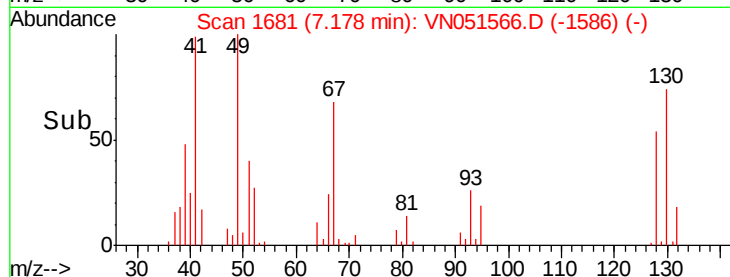
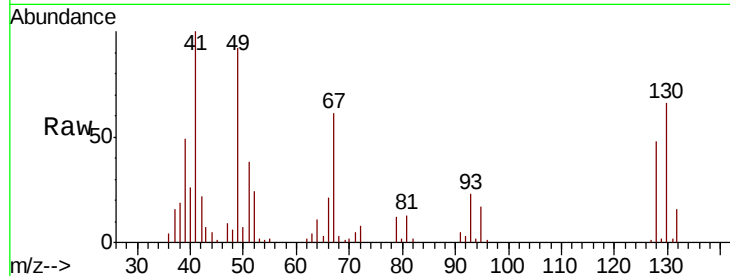




#41
Methacrylonitrile
Concen: 20.800 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

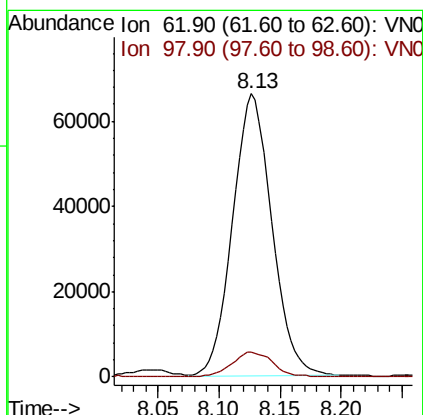
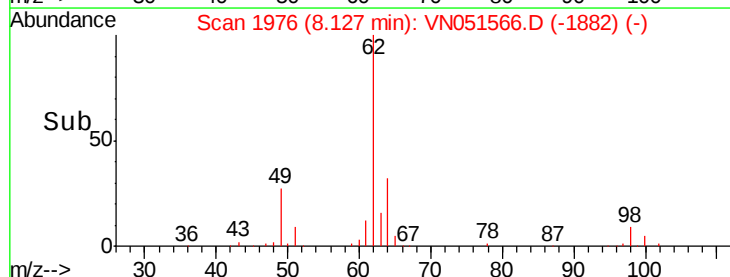
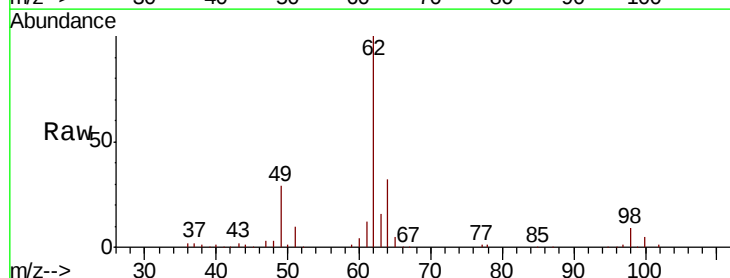
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

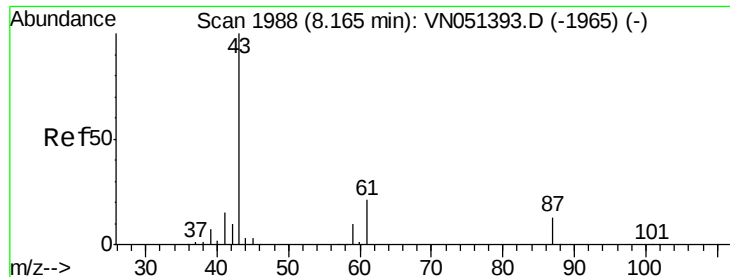
Tot Ion: 41 Resp: 52135
Ion Ratio Lower Upper
41 100
39 50.4 51.4 77.2#
67 75.9 66.8 100.2
52 33.4 27.7 41.5



#42
1,2-Dichloroethane
Concen: 19.936 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 62 Resp: 147695
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.192 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

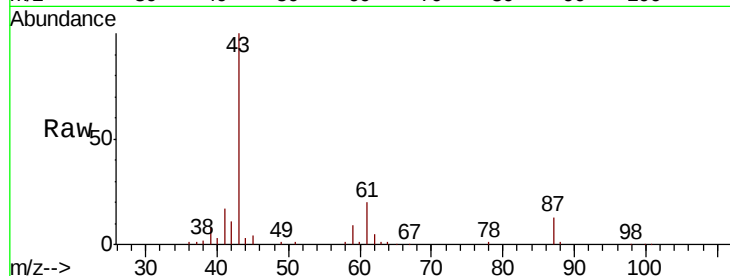
Tot Ion: 43 Resp: 173611

Ion Ratio Lower Upper

43 100

61 18.8 16.8 25.2

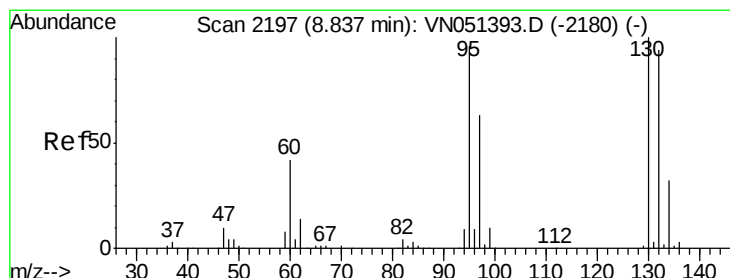
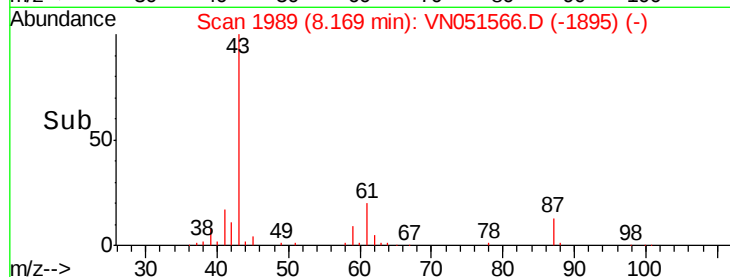
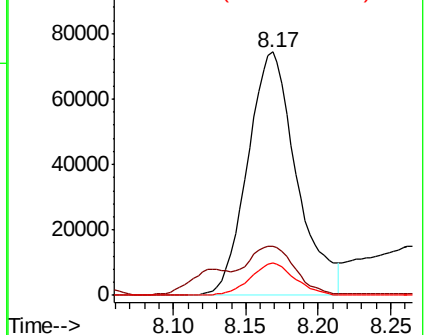
87 12.2 10.7 16.1



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: 18.643 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051566.D

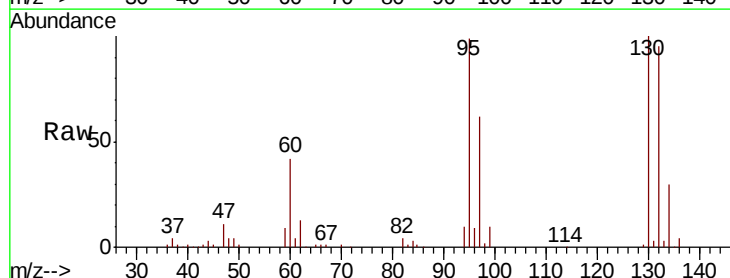
Acq: 27 Sep 2018 6:22

Tgt Ion: 130 Resp: 114565

Ion Ratio Lower Upper

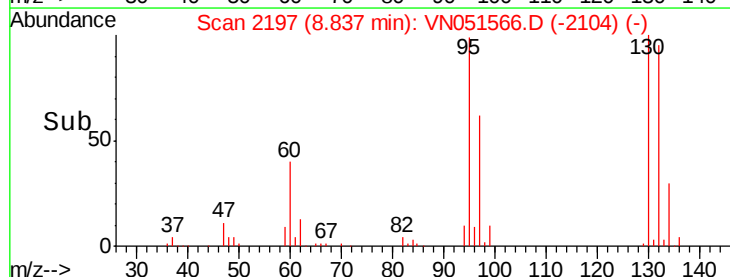
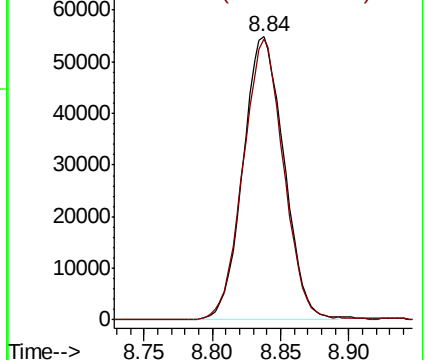
130 100

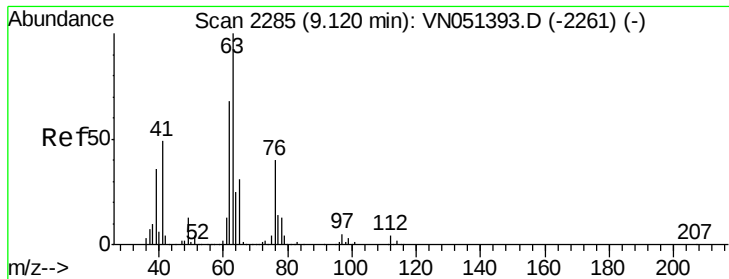
95 99.3 0.0 192.2



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: 20.107 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

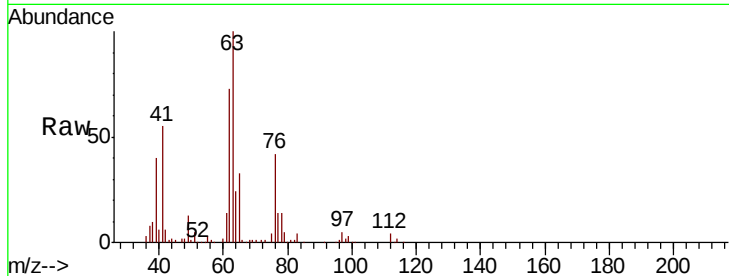
VN0927WBSD02

Tot Ion: 63 Resp: 126459

Ion Ratio Lower Upper

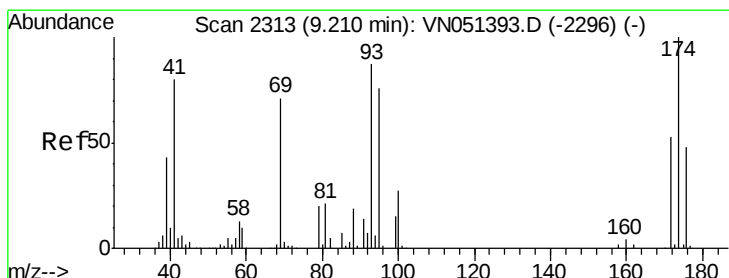
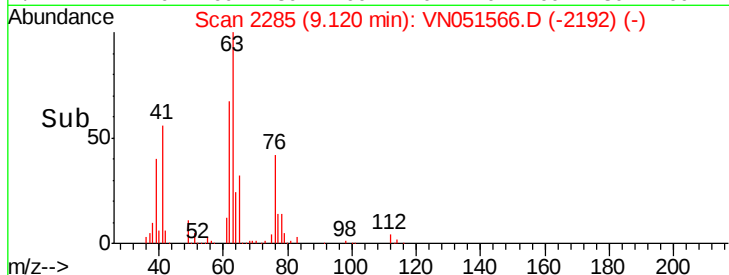
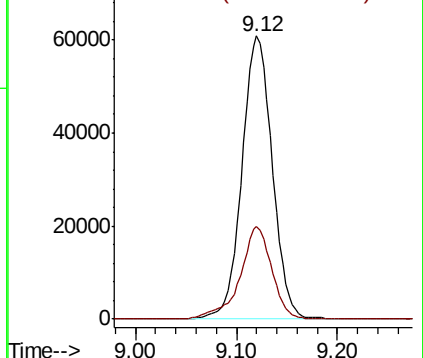
63 100

65 33.0 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: 20.246 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

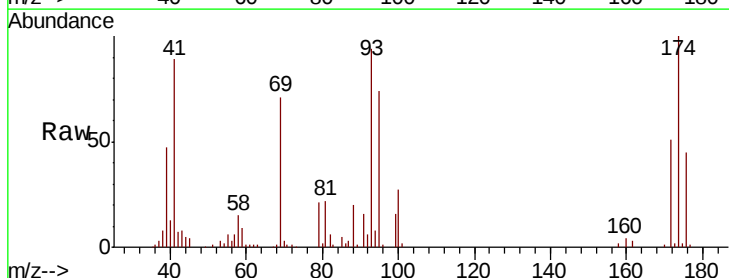
Tgt Ion: 93 Resp: 71944

Ion Ratio Lower Upper

93 100

95 80.5 67.6 101.4

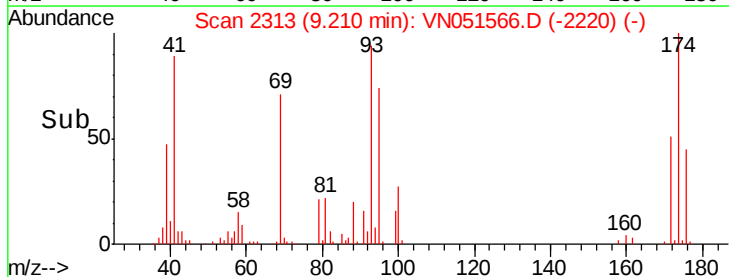
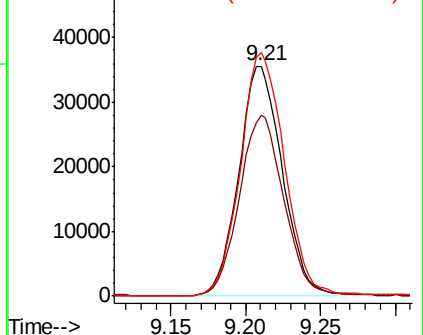
174 107.1 89.6 134.4

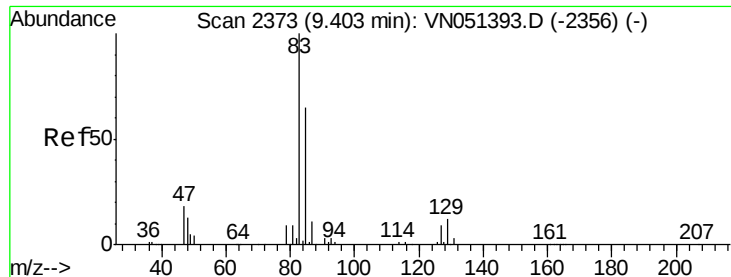


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.316 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

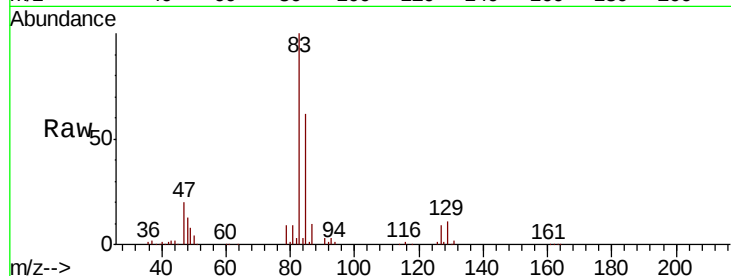
Tot Ion: 83 Resp: 159767

Ion Ratio Lower Upper

83 100

85 61.9 51.8 77.6

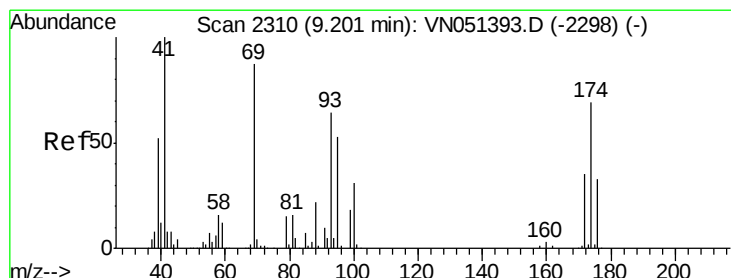
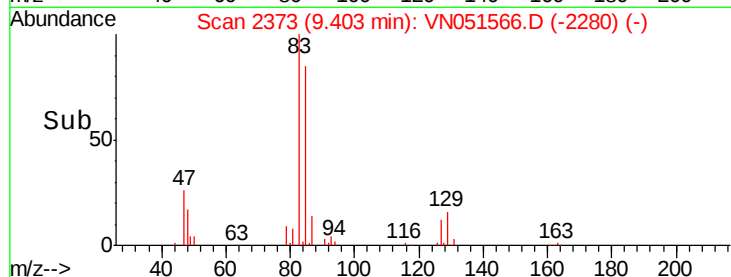
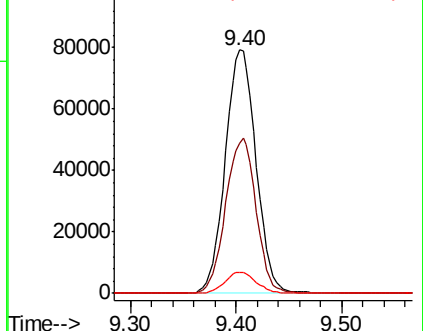
127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051393.D (-2356) (-)



#48

Methyl methacrylate

Concen: 19.762 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

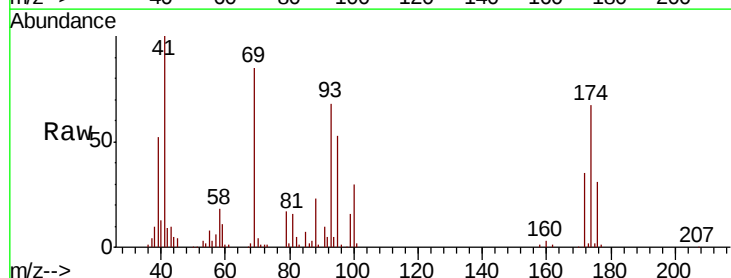
Tgt Ion: 41 Resp: 80717

Ion Ratio Lower Upper

41 100

69 85.1 70.4 105.6

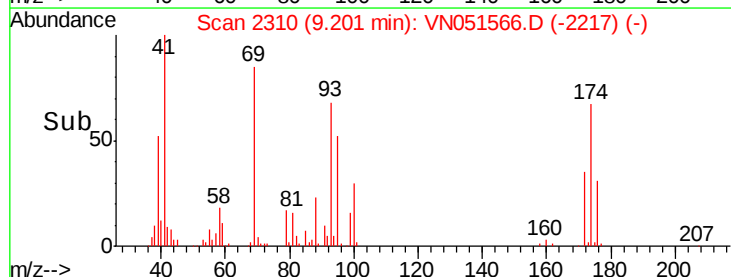
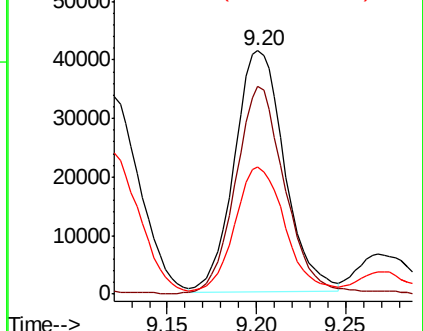
39 53.2 43.8 65.8

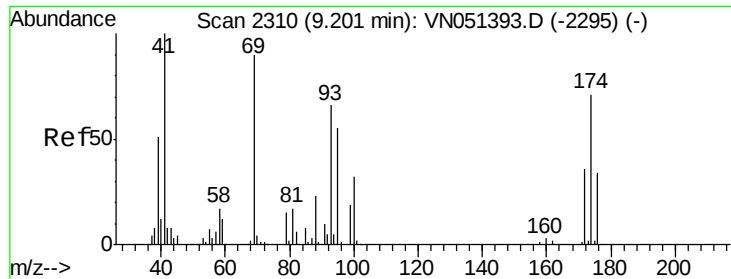


Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051393.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-2298) (-)

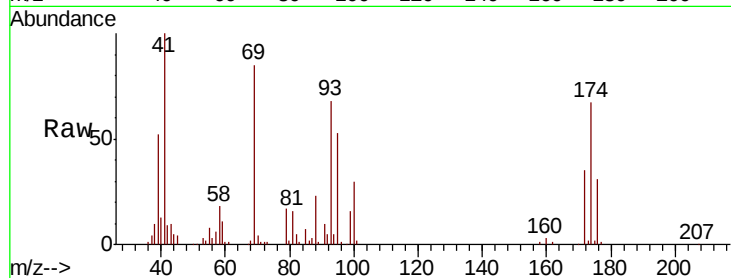




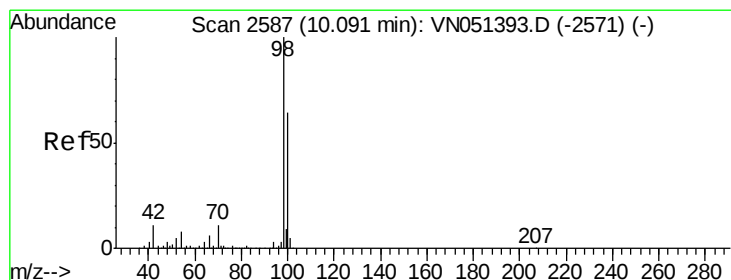
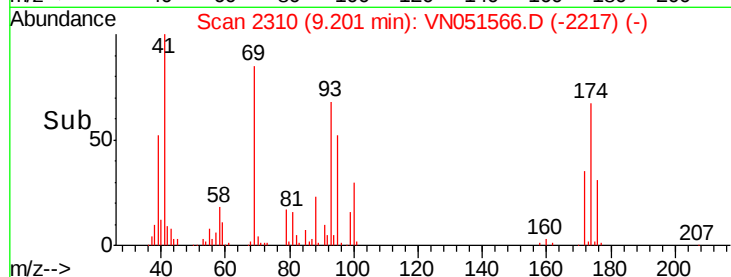
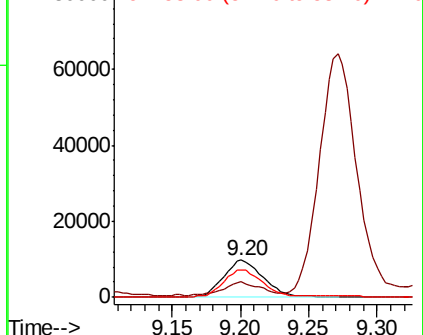
#49
1,4-Dioxane
Concen: 395.006 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion: 88 Resp: 19773
Ion Ratio Lower Upper
88 100
43 31.0 25.9 38.9
58 73.9 57.0 85.4

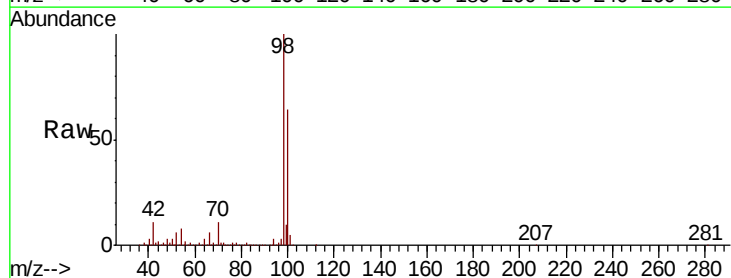


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

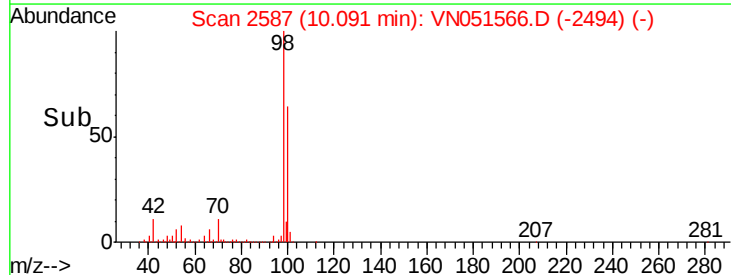
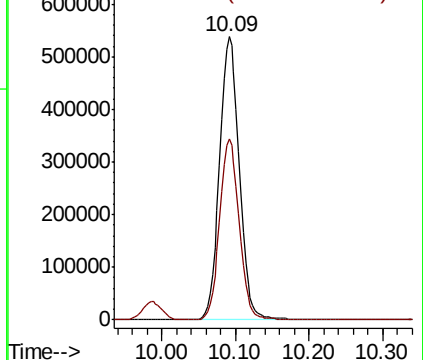


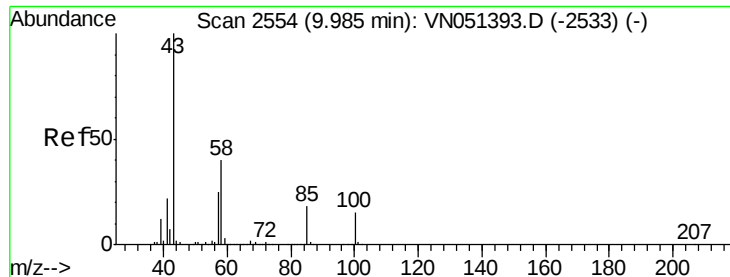
#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 98 Resp: 999305
Ion Ratio Lower Upper
98 100
100 62.9 50.6 75.8



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





#51

4-Methyl-2-Pentanone

Concen: 102.776 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

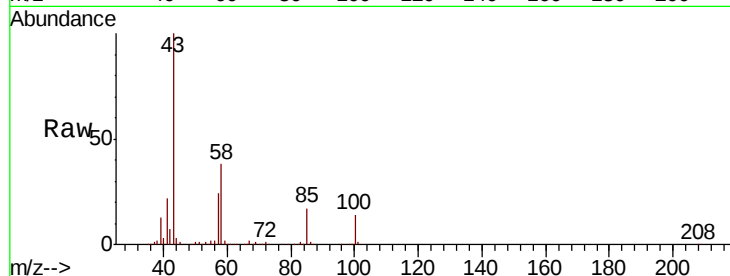
VN0927WBSD02

Tot Ion: 43 Resp: 463062

Ion Ratio Lower Upper

43 100

58 38.4 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2533) (-)

9.99

250000

200000

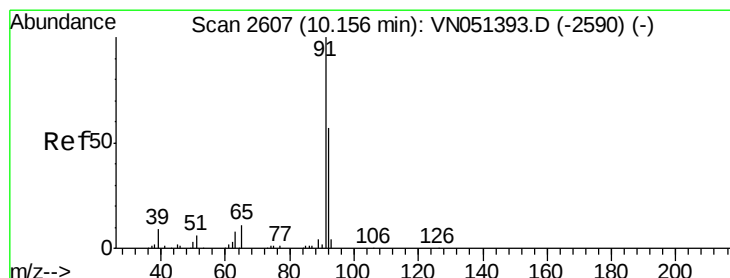
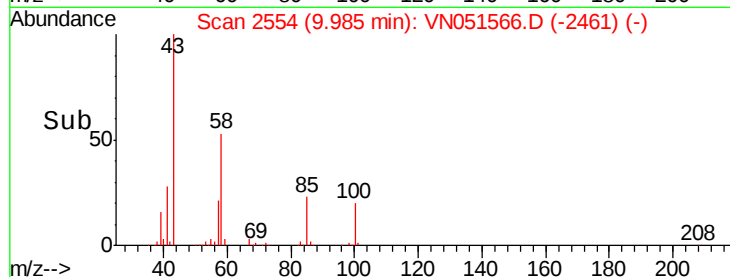
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.828 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051566.D

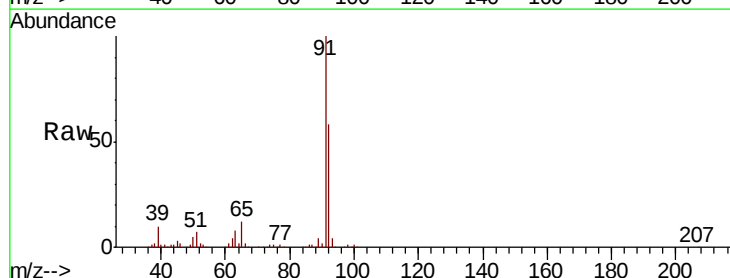
Acq: 27 Sep 2018 6:22

Tgt Ion: 92 Resp: 270717

Ion Ratio Lower Upper

92 100

91 176.2 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN051393.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051393.D (-2590) (-)

10.16

250000

200000

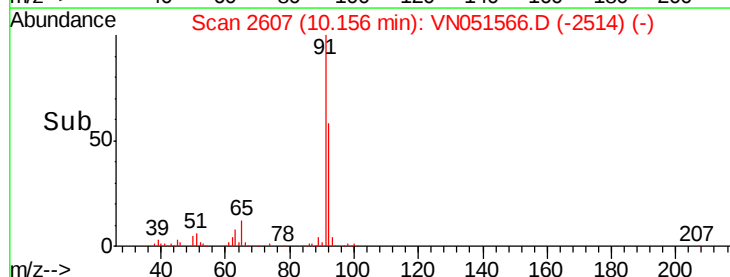
150000

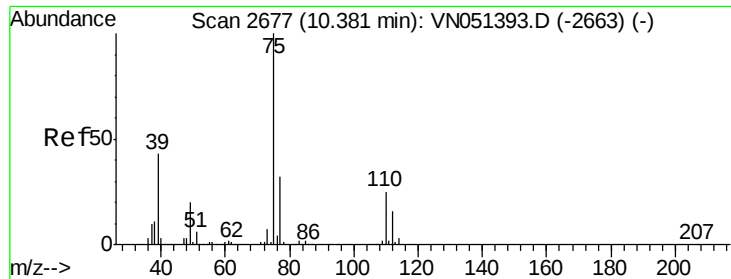
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.791 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

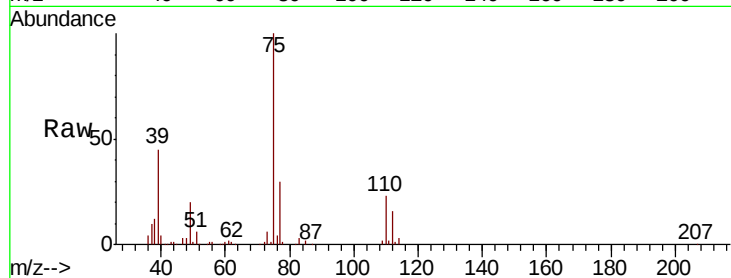
VN0927WBSD02

Tot Ion: 75 Resp: 141245

Ion Ratio Lower Upper

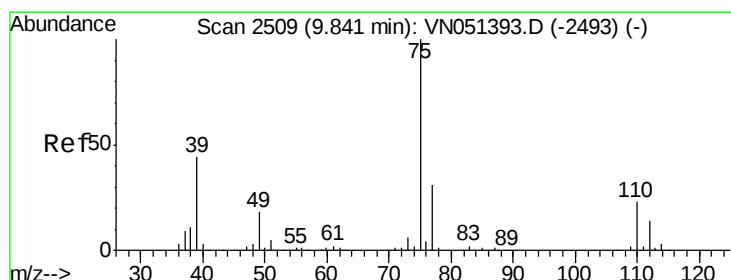
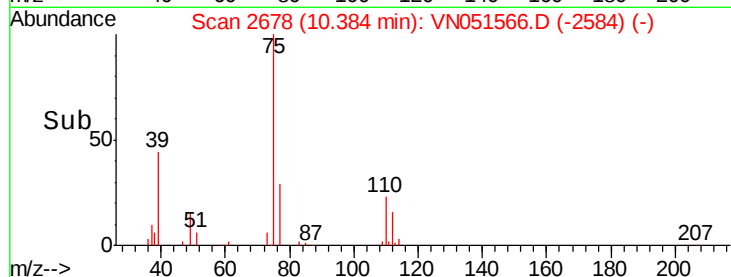
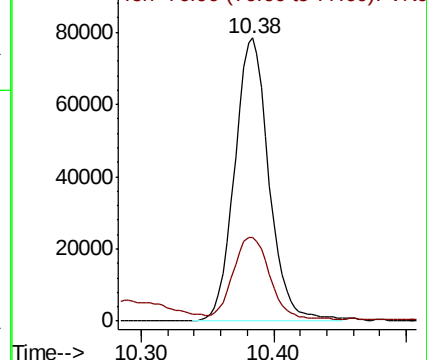
75 100

77 28.8 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 17.562 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

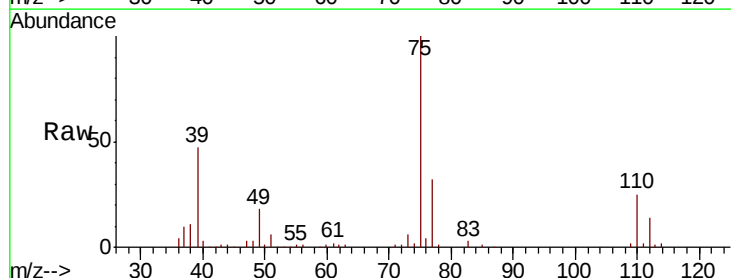
Tgt Ion: 75 Resp: 161694

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

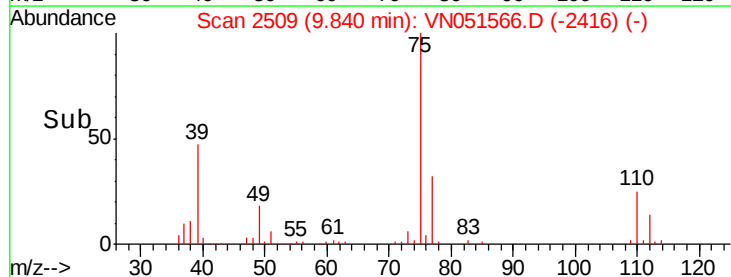
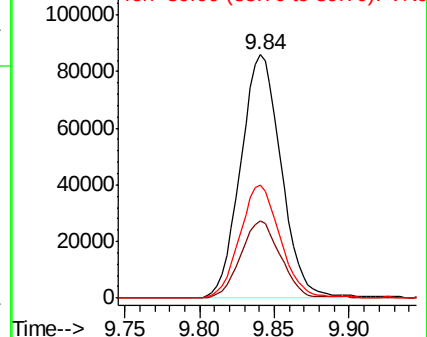
39 46.6 35.4 53.2

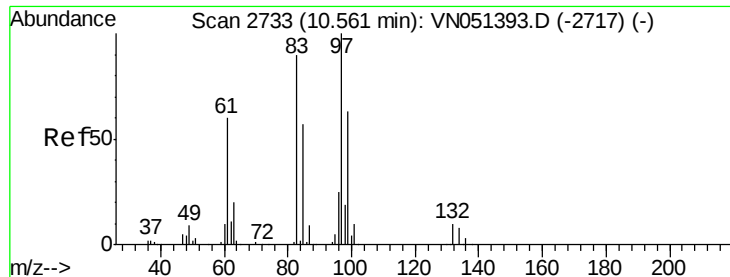


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 20.606 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

Tot Ion: 97 Resp: 104710

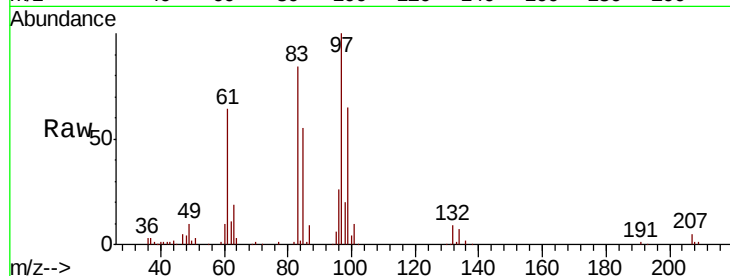
Ion Ratio Lower Upper

97 100

83 83.9 72.0 108.0

85 55.2 45.2 67.8

99 65.4 50.7 76.1

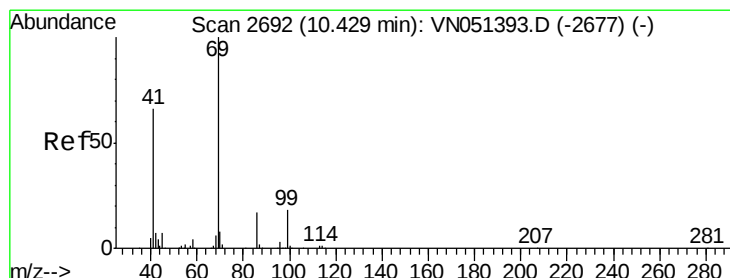
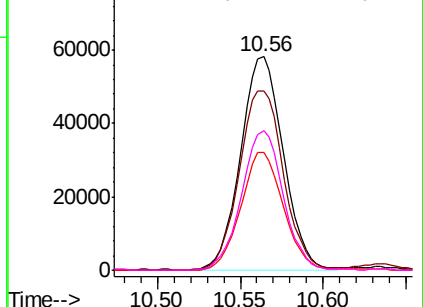
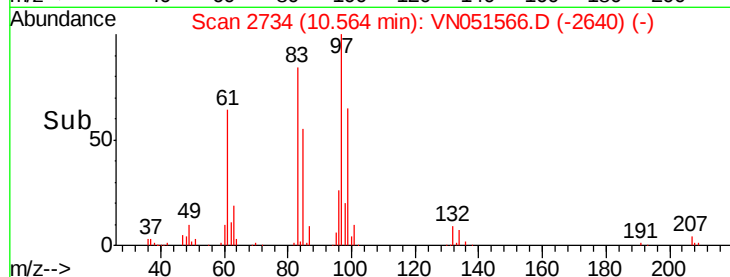


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.551 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

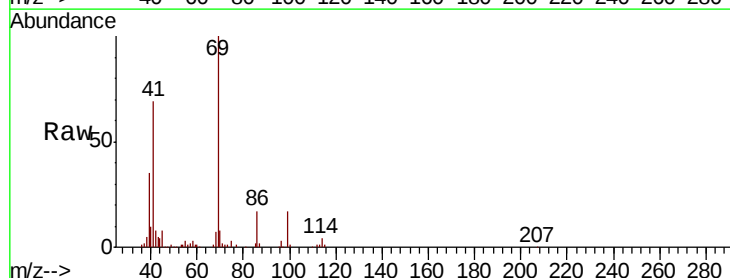
Tgt Ion: 69 Resp: 115258

Ion Ratio Lower Upper

69 100

41 67.7 52.4 78.6

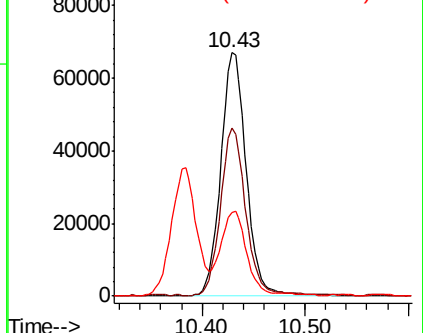
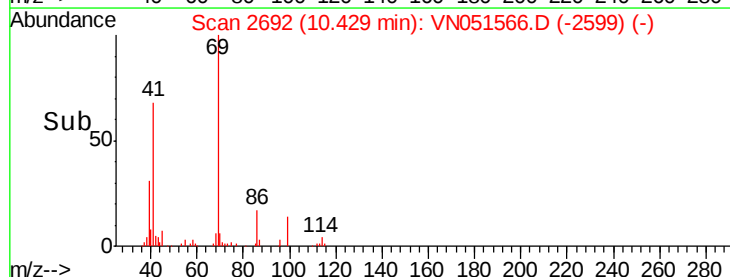
39 34.2 26.3 39.5

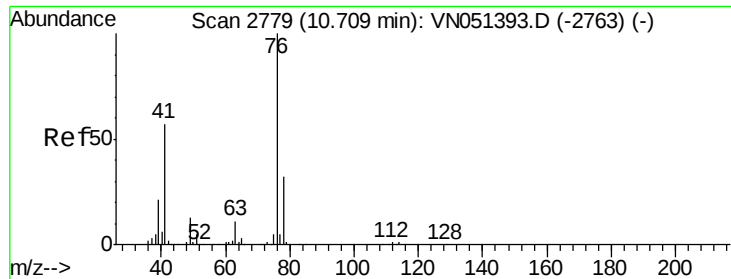


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.948 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

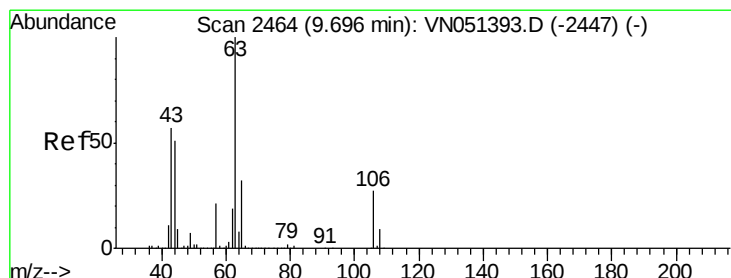
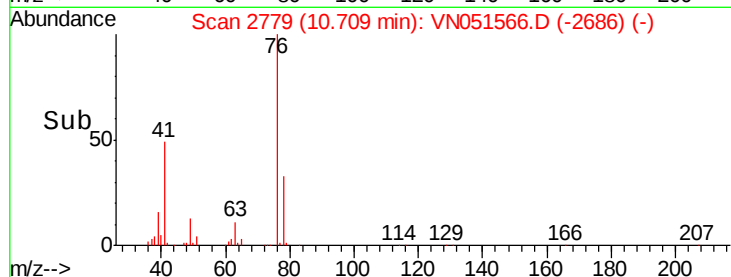
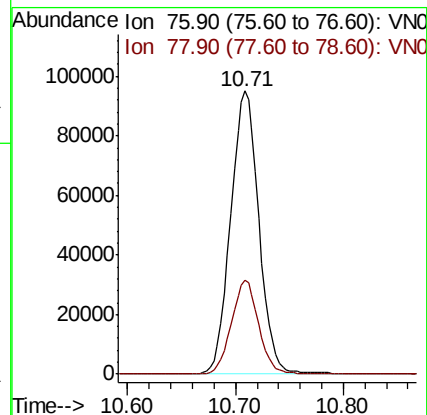
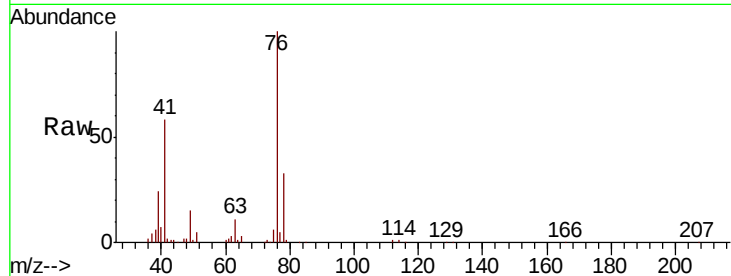
VN0927WBSD02

Tot Ion: 76 Resp: 173743

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 100.499 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051566.D

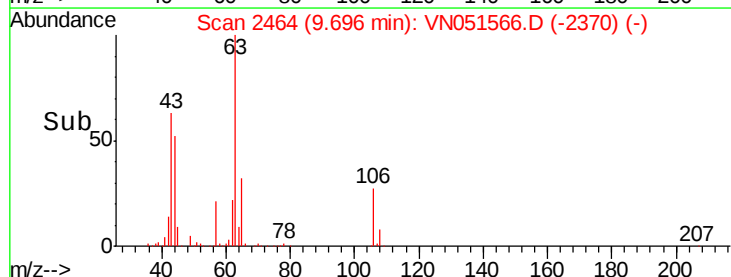
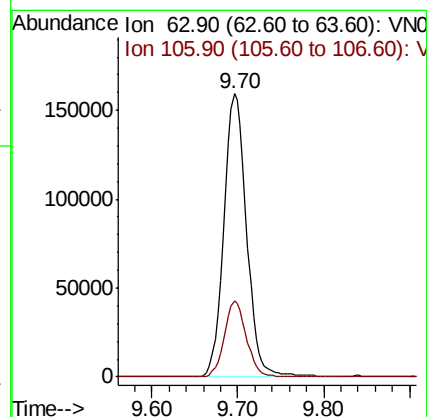
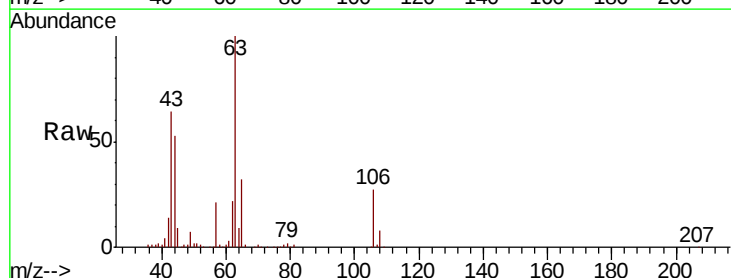
Acq: 27 Sep 2018 6:22

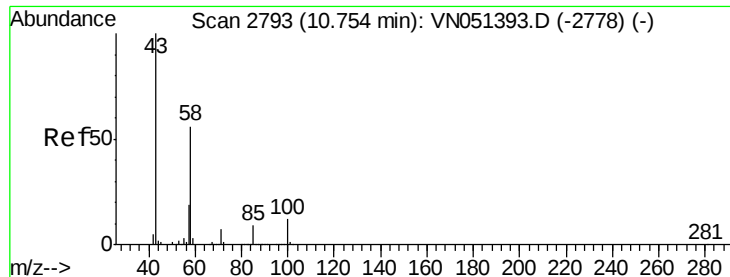
Tgt Ion: 63 Resp: 293317

Ion Ratio Lower Upper

63 100

106 25.9 21.4 32.2

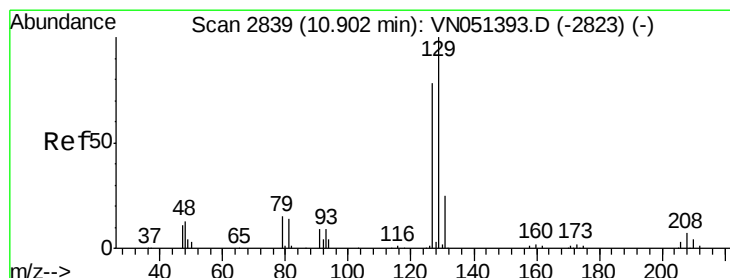
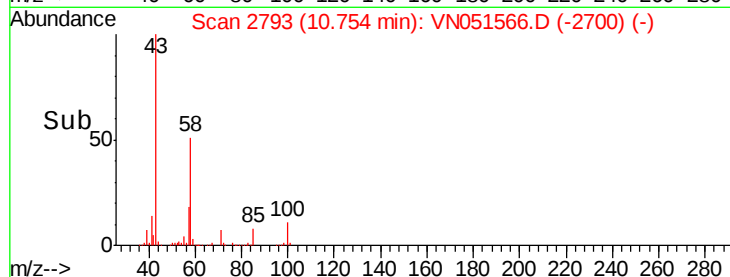
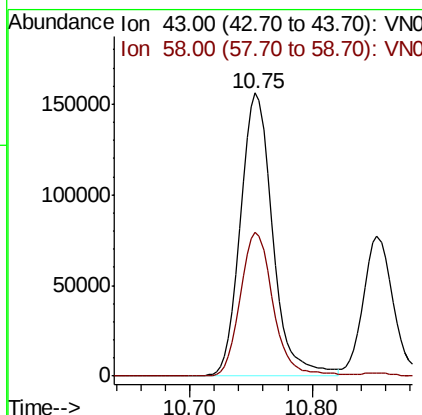
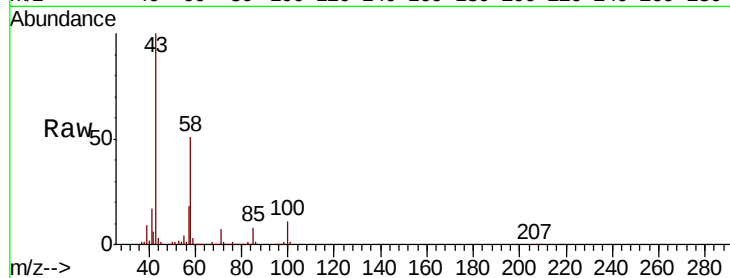




#59
2-Hexanone
Concen: 96.749 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

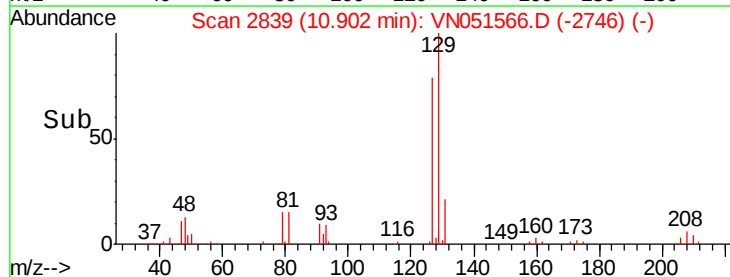
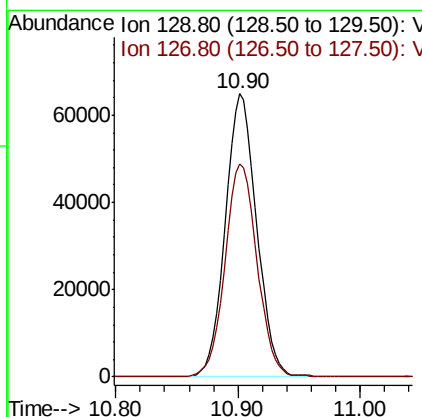
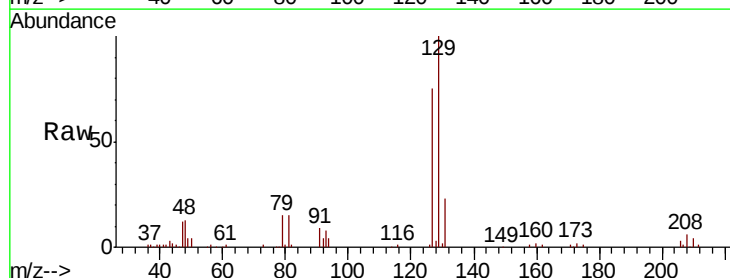
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

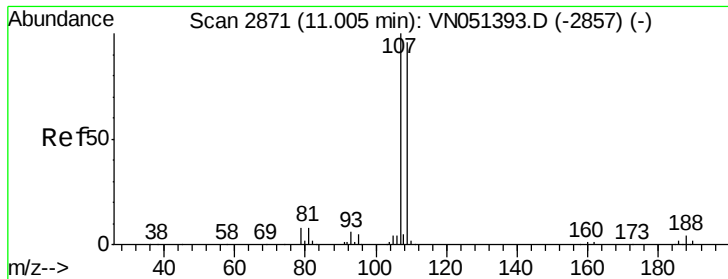
Tot Ion: 43 Resp: 282583
Ion Ratio Lower Upper
43 100
58 52.0 27.7 83.0



#60
Dibromochloromethane
Concen: 19.440 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 129 Resp: 116556
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.639 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

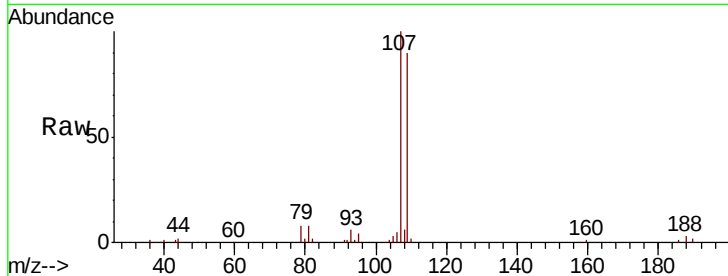
VN0927WBSD02

Tot Ion:107 Resp: 96877

Ion Ratio Lower Upper

107 100

109 92.5 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

60000

50000

40000

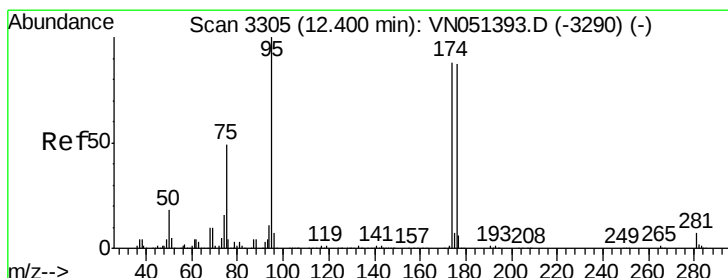
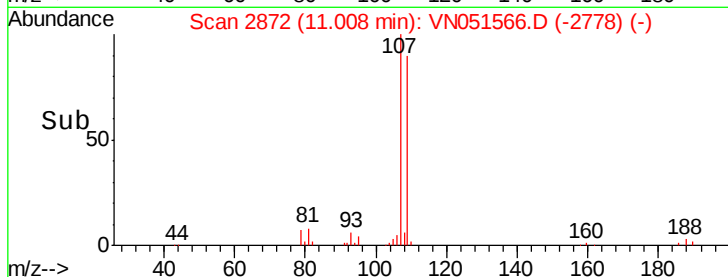
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.695 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

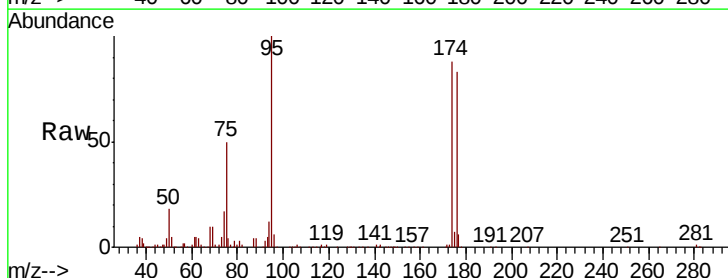
Tgt Ion: 95 Resp: 316141

Ion Ratio Lower Upper

95 100

174 89.1 0.0 181.6

176 84.7 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

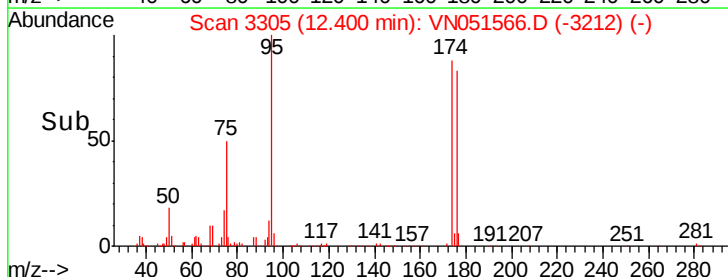
150000

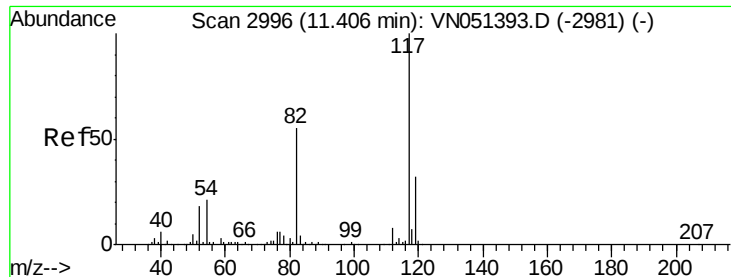
100000

50000

0

Time--> 12.35 12.40 12.45 12.50

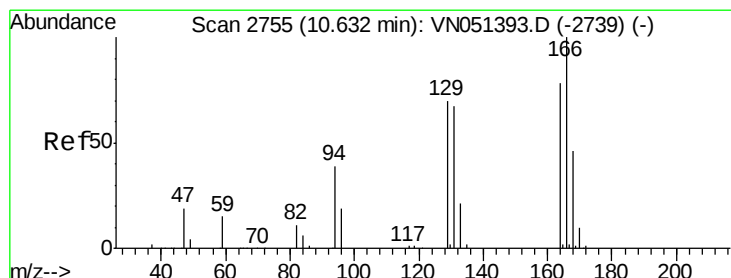
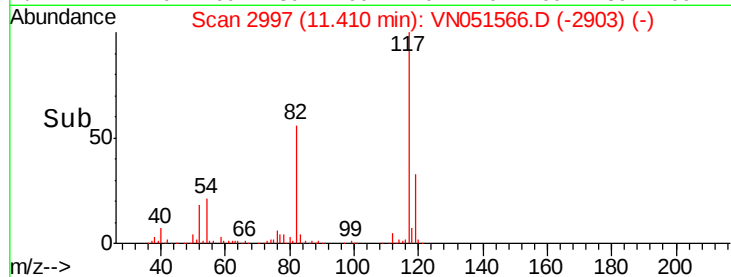
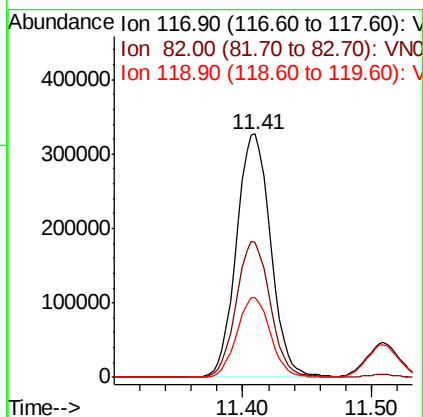
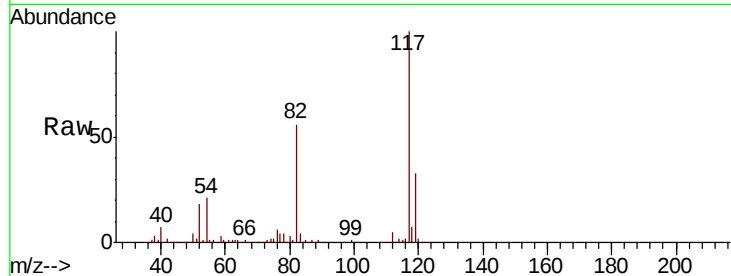




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

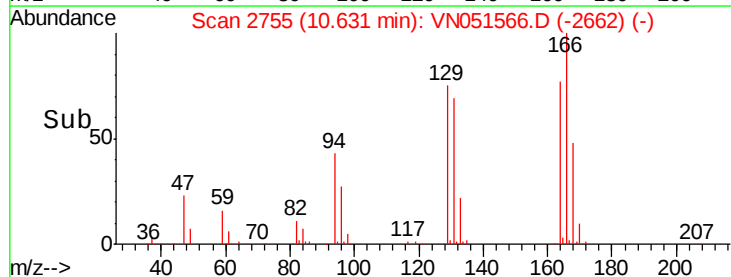
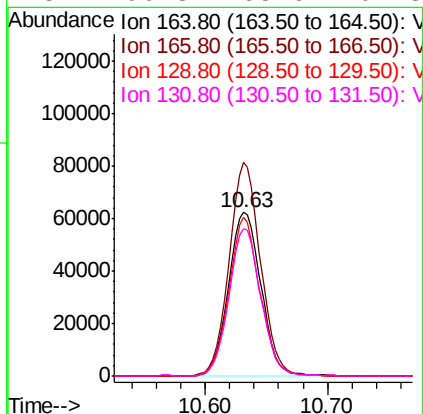
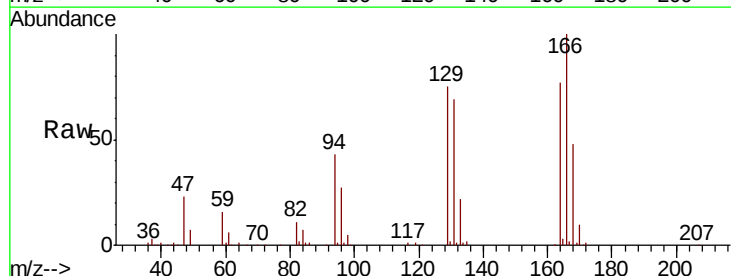
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

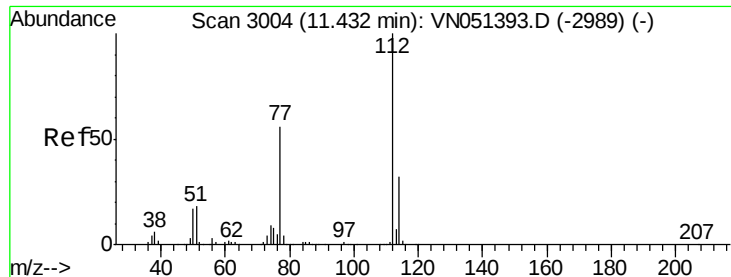
Tot Ion:117 Resp: 603362
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.8 25.9 38.9



#64
Tetrachloroethene
Concen: 21.180 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion:164 Resp: 115979
Ion Ratio Lower Upper
164 100
166 130.5 102.3 153.5
129 97.2 71.8 107.8
131 90.3 68.6 102.8

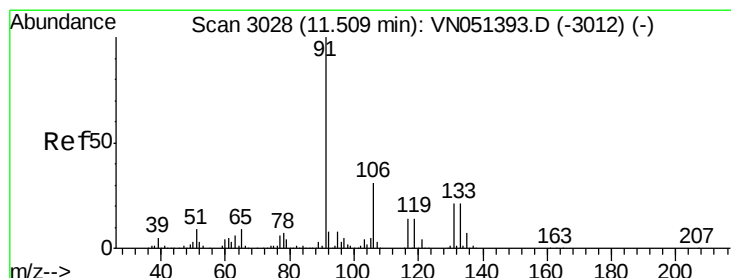
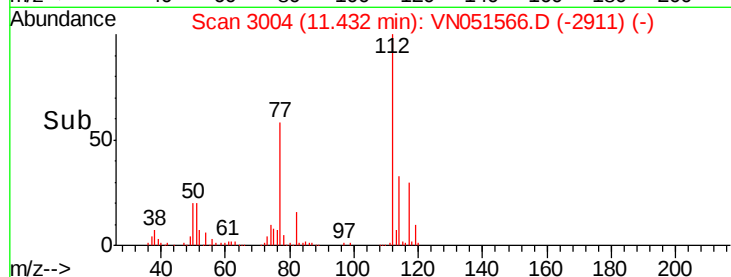
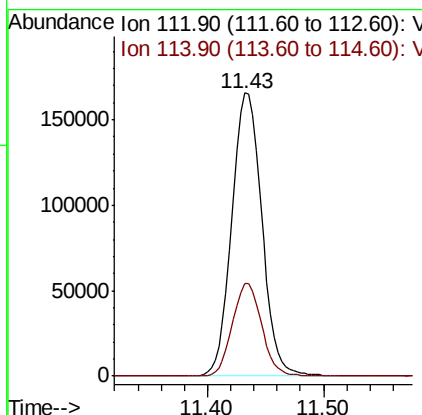
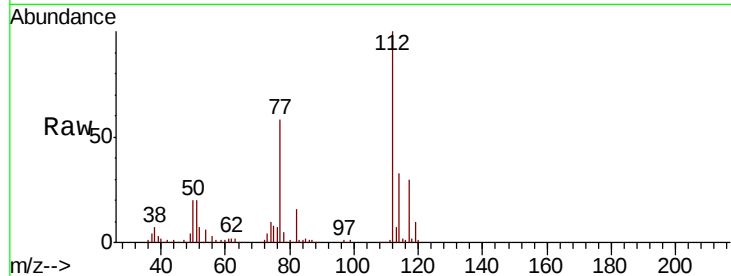




#65
Chlorobenzene
Concen: 19.146 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

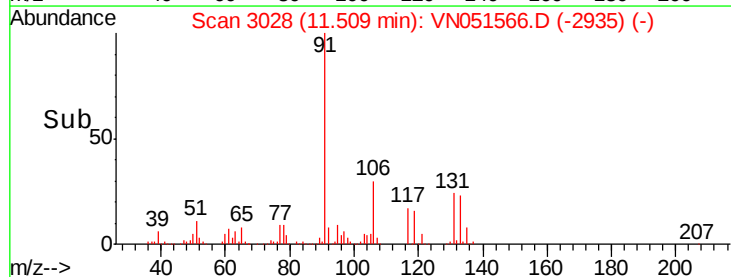
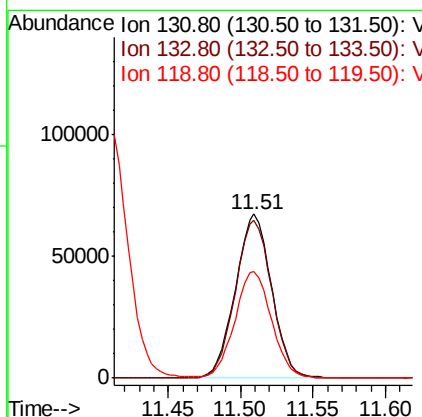
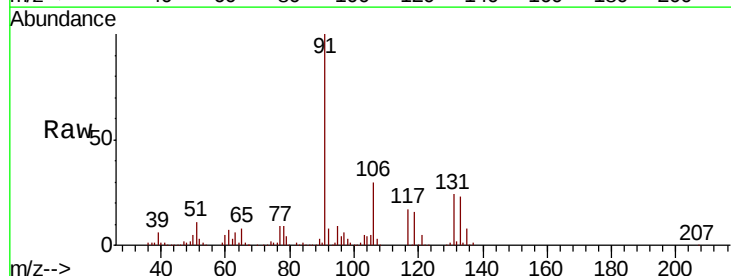
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

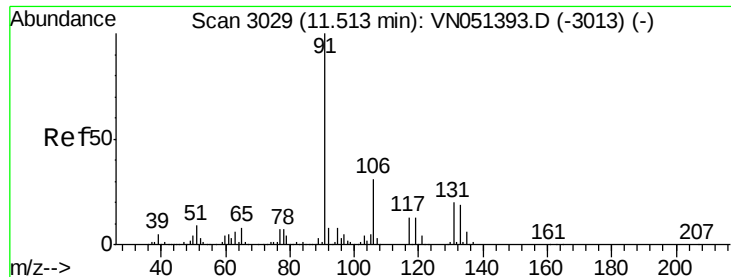
Tot Ion:112 Resp: 296389
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.836 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion:131 Resp: 116988
Ion Ratio Lower Upper
131 100
133 96.9 48.3 144.8
119 65.8 32.8 98.4

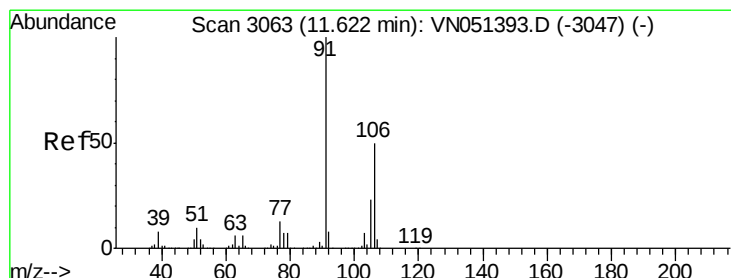
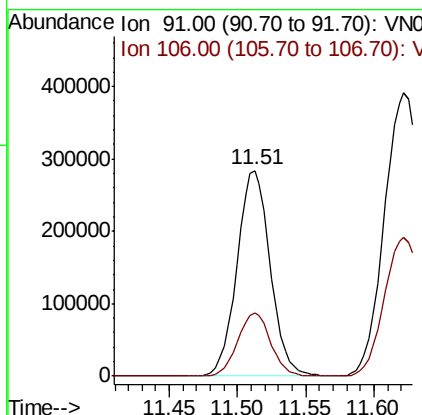
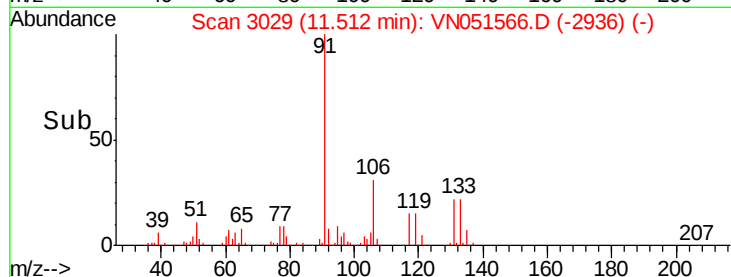
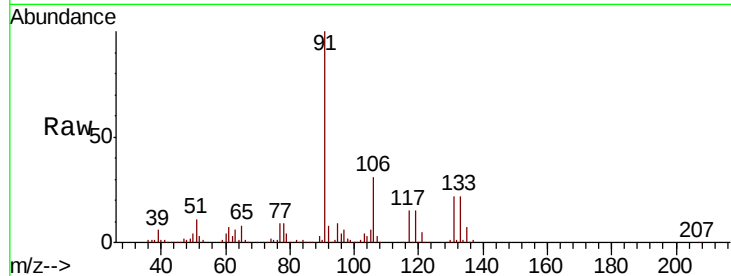




#67
Ethyl Benzene
Concen: 18.349 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

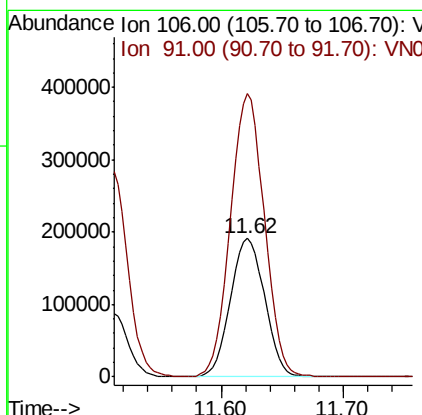
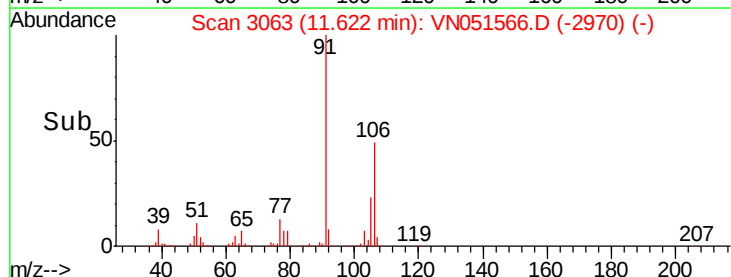
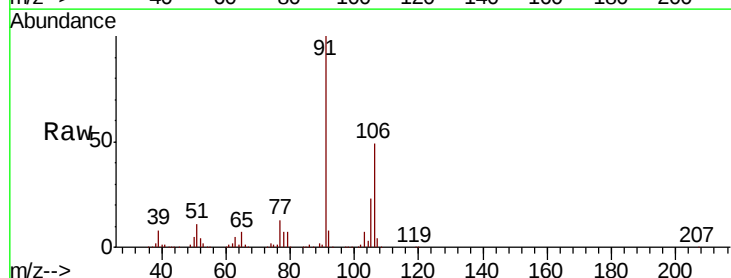
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD02

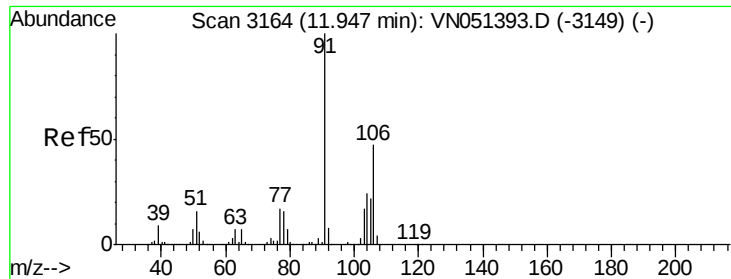
Tot Ion: 91 Resp: 478692
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 37.071 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 106 Resp: 374087
Ion Ratio Lower Upper
106 100
91 202.3 161.3 241.9

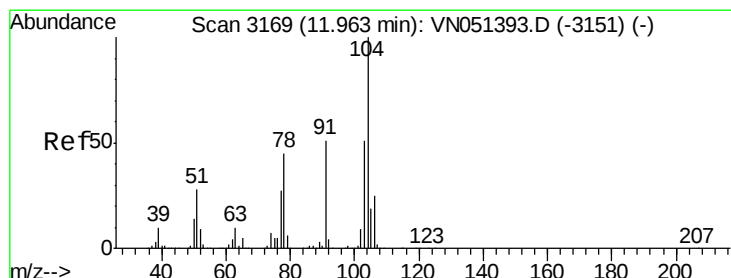
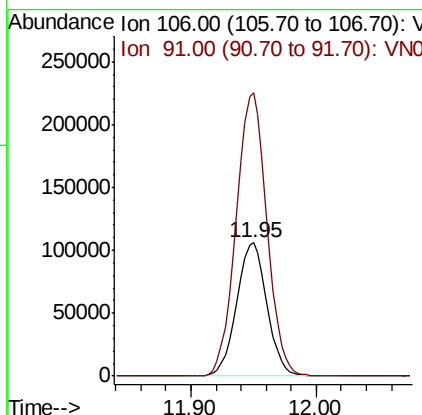
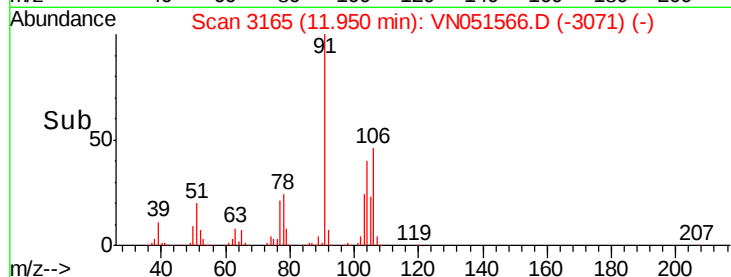
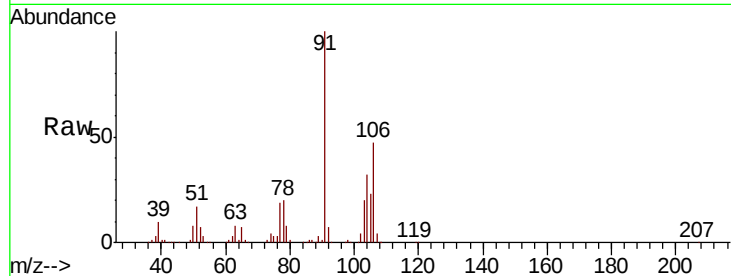




#69
o-Xylene
Concen: 18.340 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

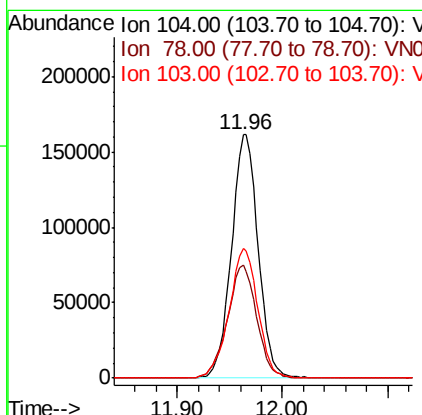
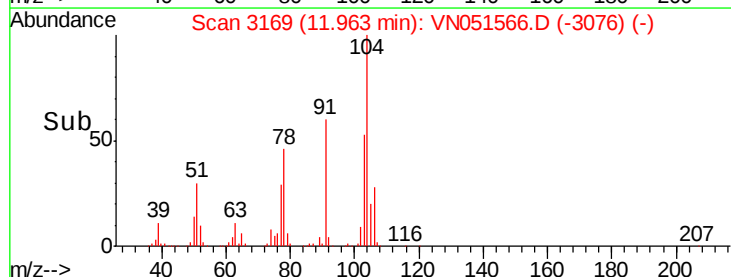
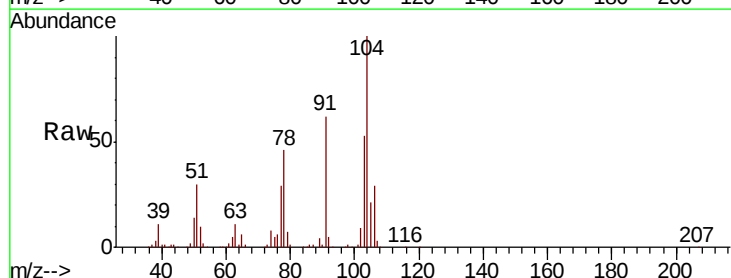
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD02

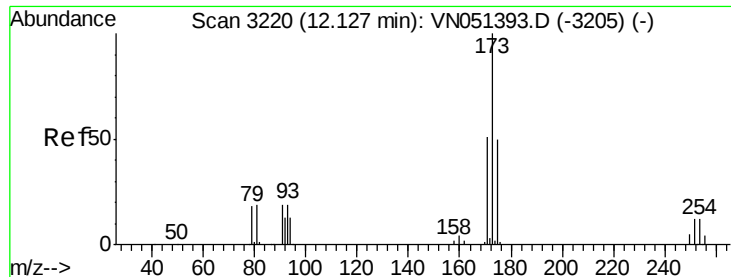
Tot Ion:106 Resp: 177923
Ion Ratio Lower Upper
106 100
91 215.6 105.3 315.9



#70
Styrene
Concen: 18.361 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion:104 Resp: 282245
Ion Ratio Lower Upper
104 100
78 50.8 39.9 59.9
103 57.5 44.6 66.8

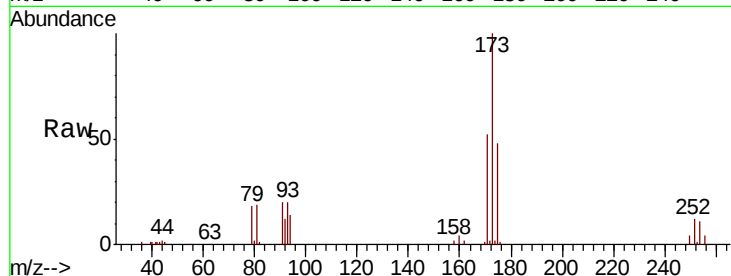




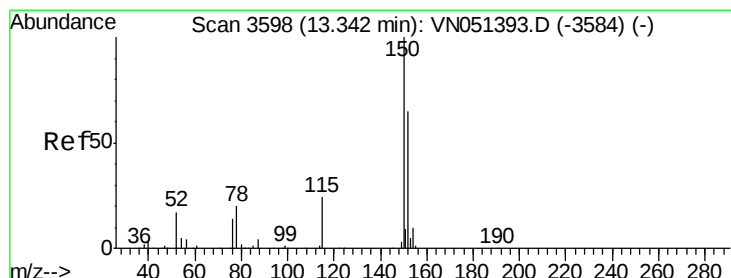
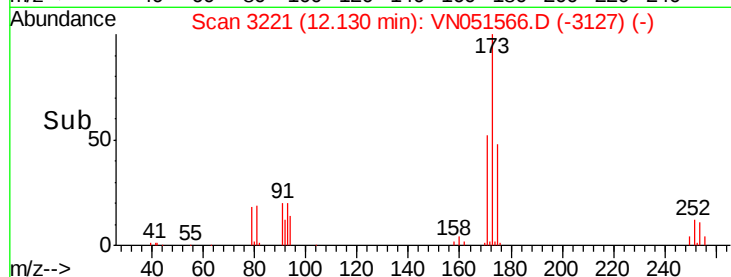
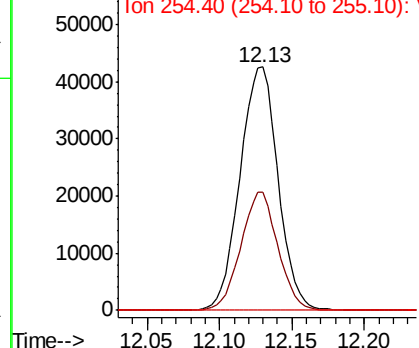
#71
Bromoform
Concen: 19.406 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

Tot Ion:173 Resp: 77661
Ion Ratio Lower Upper
173 100
175 47.1 24.8 74.3
254 0.0 0.2 0.2#

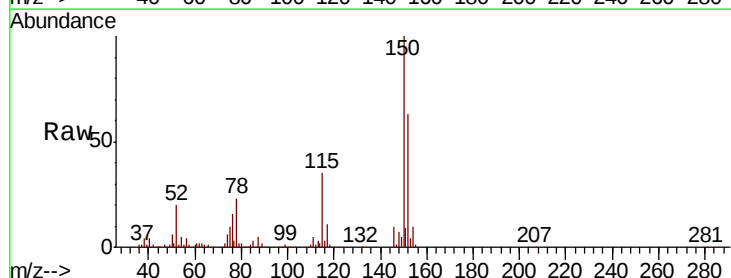


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

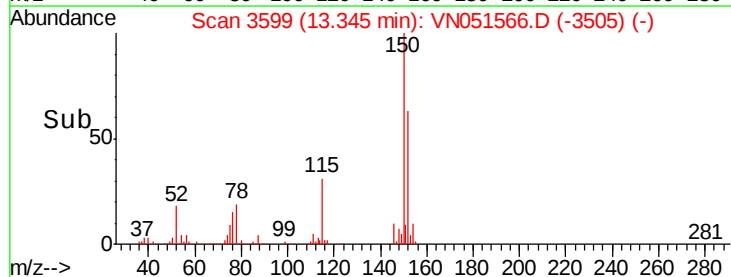
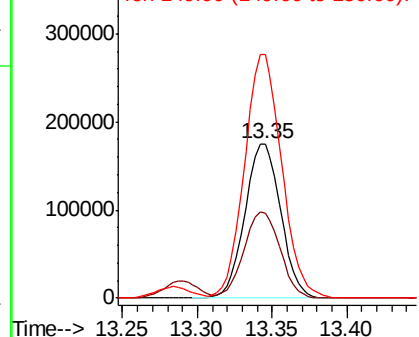


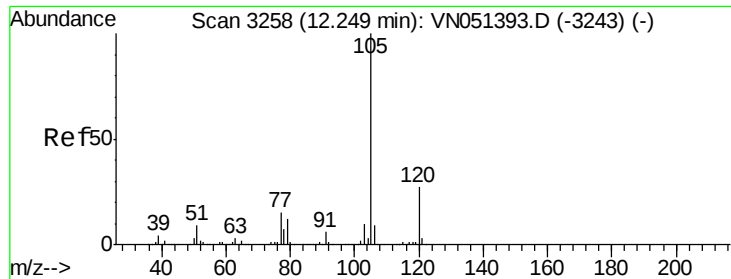
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion:152 Resp: 291523
Ion Ratio Lower Upper
152 100
115 57.0 28.3 84.9
150 164.2 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: 19.256 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

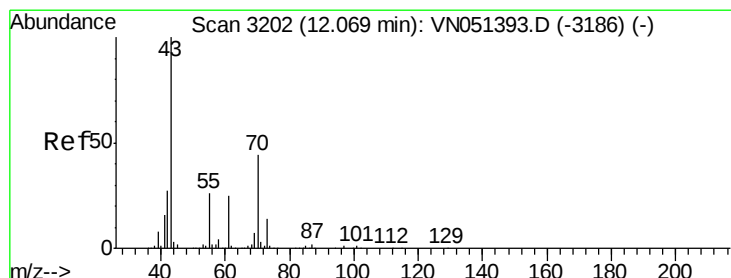
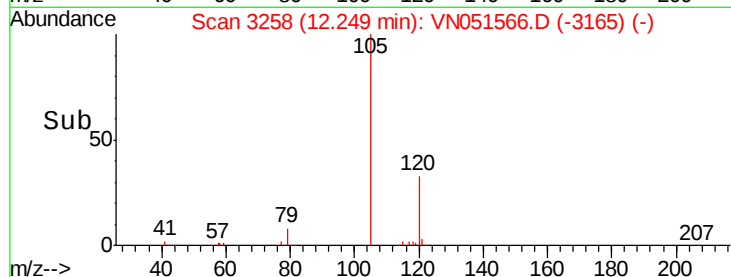
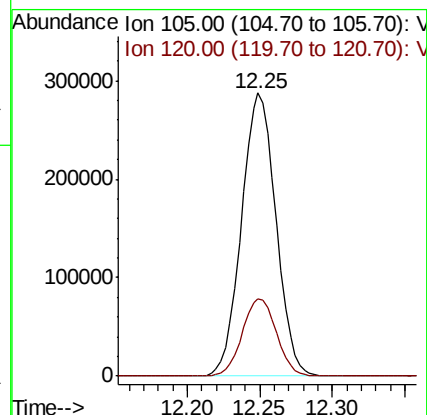
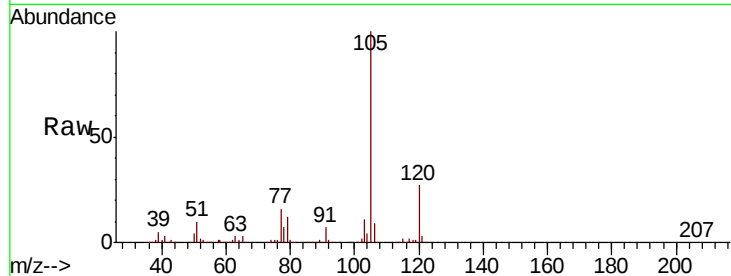
VN0927WBSD02

Tot Ion:105 Resp: 473641

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#74

N-ethyl acetate

Concen: 20.122 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Tgt Ion: 43 Resp: 124180

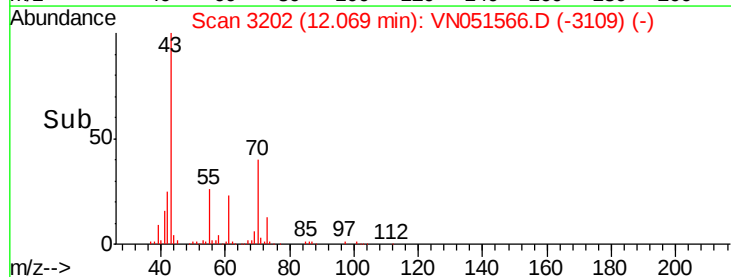
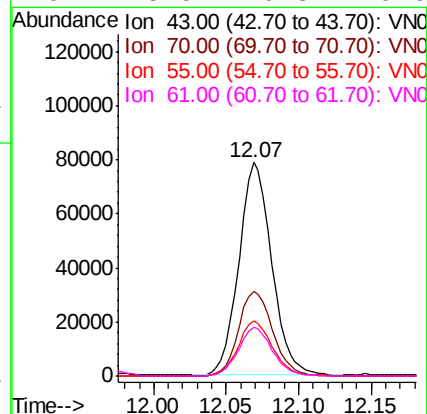
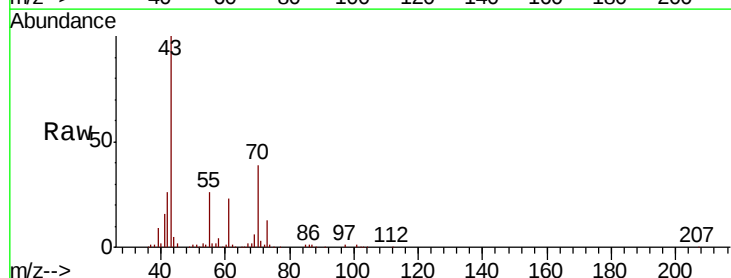
Ion Ratio Lower Upper

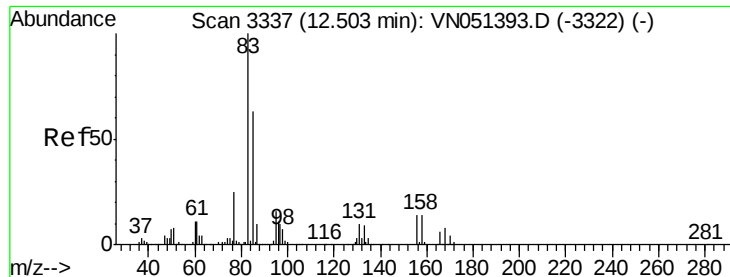
43 100

70 41.5 35.0 52.4

55 26.8 21.4 32.2

61 23.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.880 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

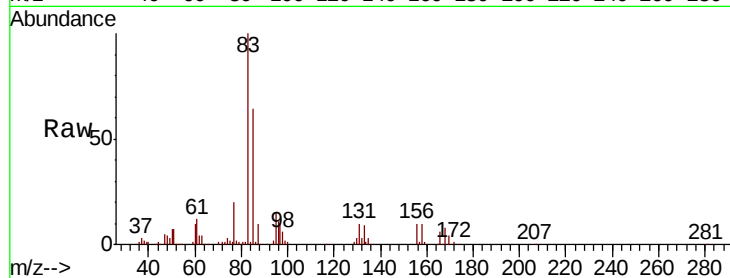
Tot Ion: 83 Resp: 125496

Ion Ratio Lower Upper

83 100

131 9.7 5.3 15.9

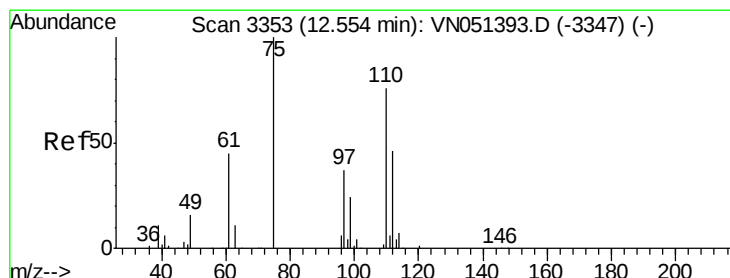
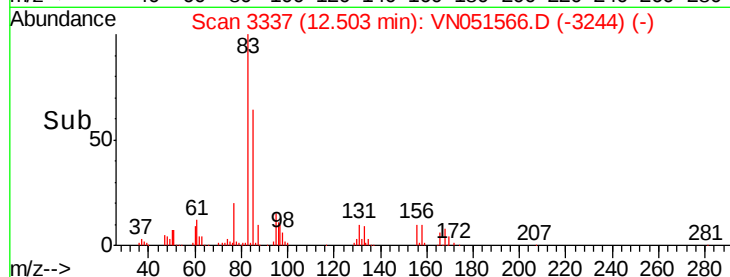
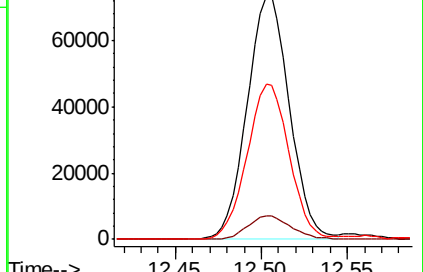
85 63.7 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.710 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051566.D

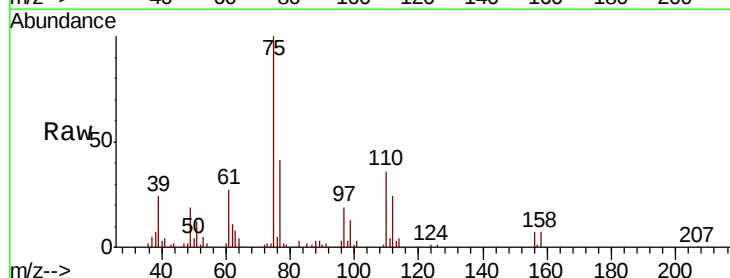
Acq: 27 Sep 2018 6:22

Tgt Ion: 75 Resp: 143779

Ion Ratio Lower Upper

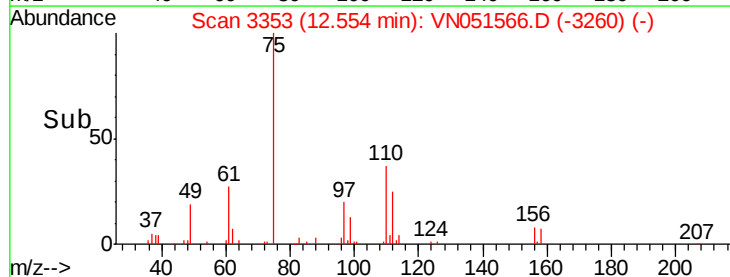
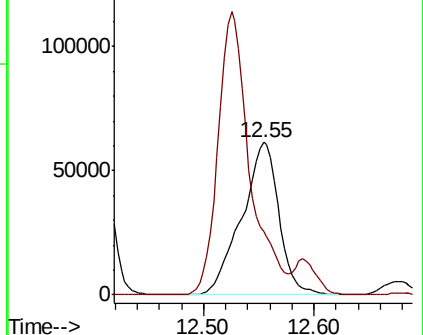
75 100

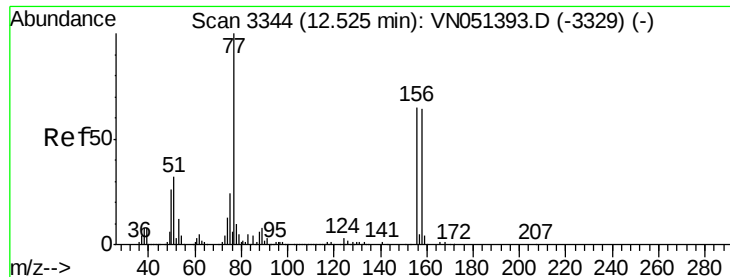
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.908 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

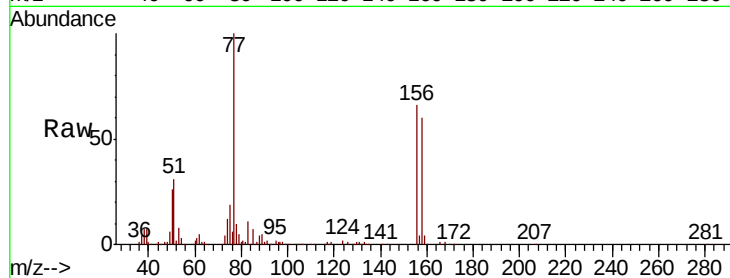
Tot Ion:156 Resp: 123962

Ion Ratio Lower Upper

156 100

77 183.8 89.5 268.4

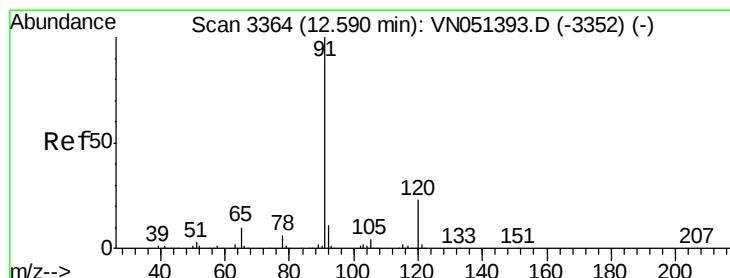
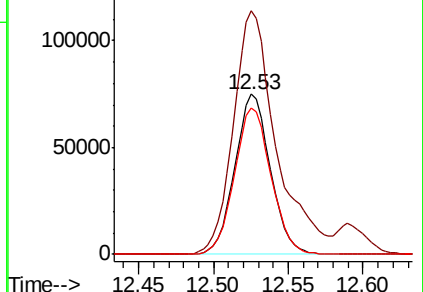
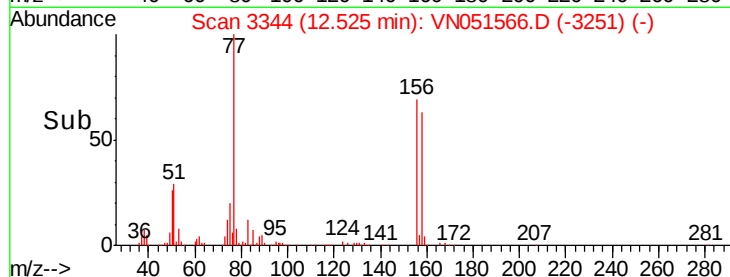
158 93.6 49.4 148.2



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: 19.585 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051566.D

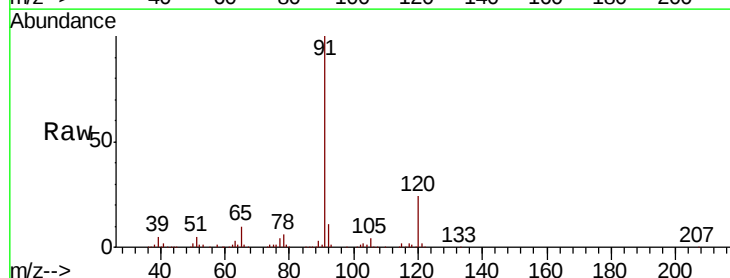
Acq: 27 Sep 2018 6:22

Tgt Ion: 91 Resp: 542936

Ion Ratio Lower Upper

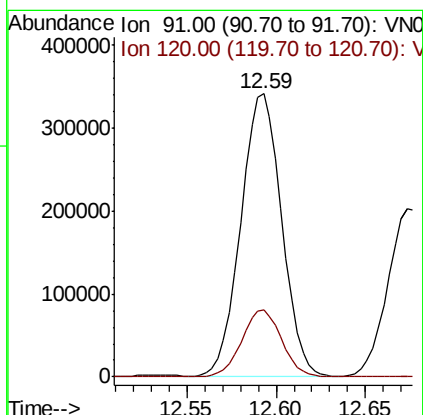
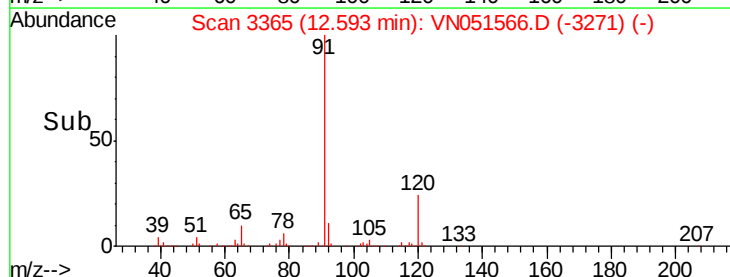
91 100

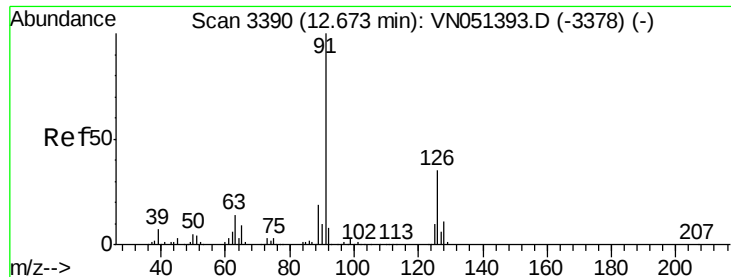
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.541 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

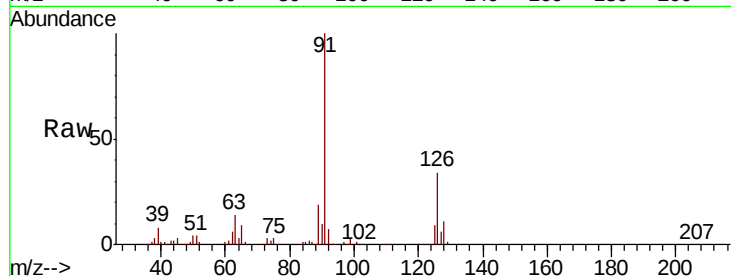
VN0927WBSD02

Tot Ion: 91 Resp: 340841

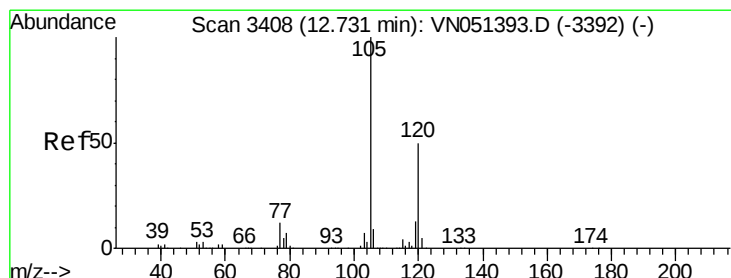
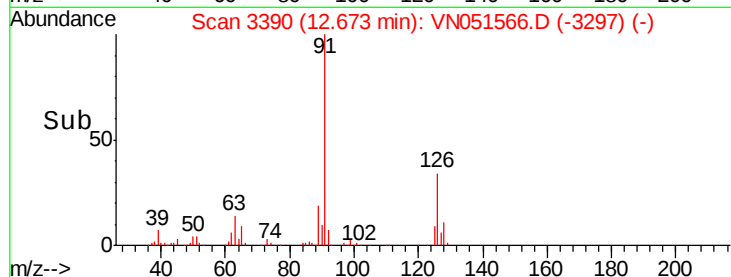
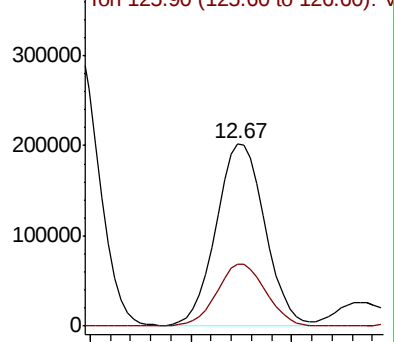
Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.730 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051566.D

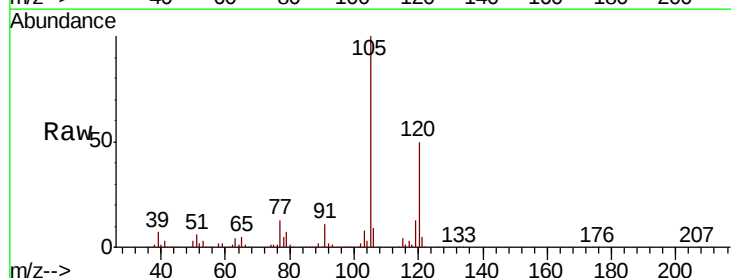
Acq: 27 Sep 2018 6:22

Tgt Ion: 105 Resp: 395719

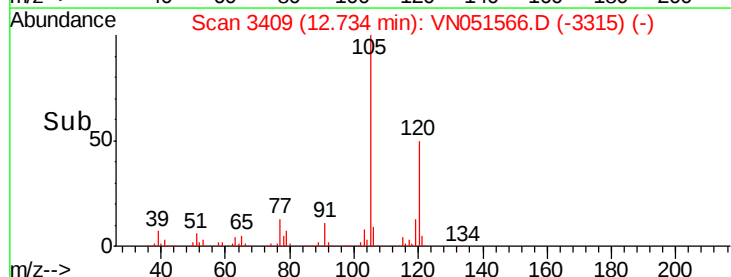
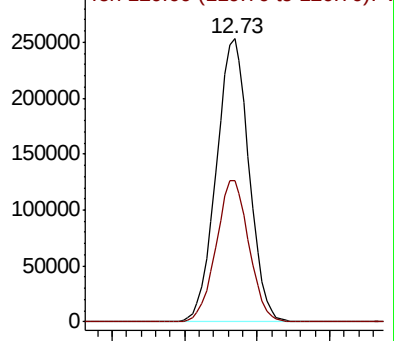
Ion Ratio Lower Upper

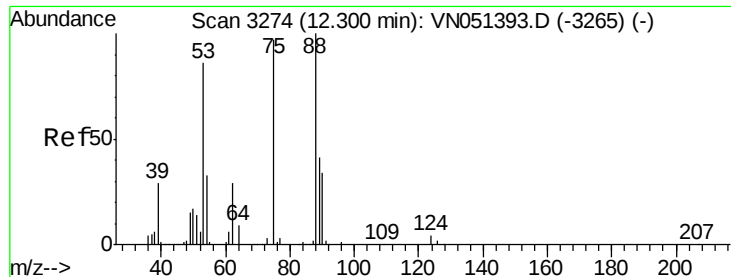
105 100

120 50.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN051393.D (-3392) (-)

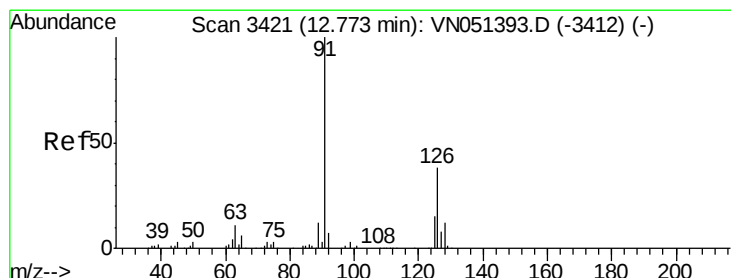
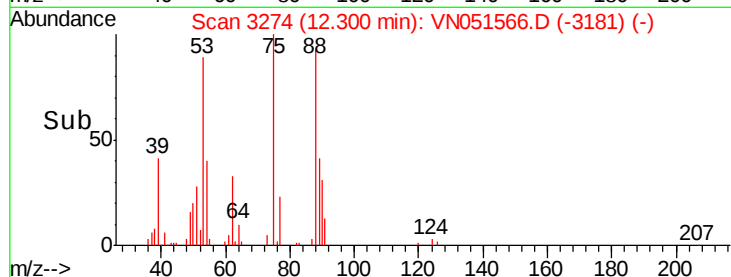
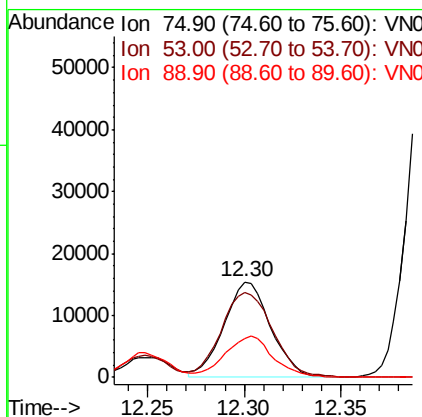
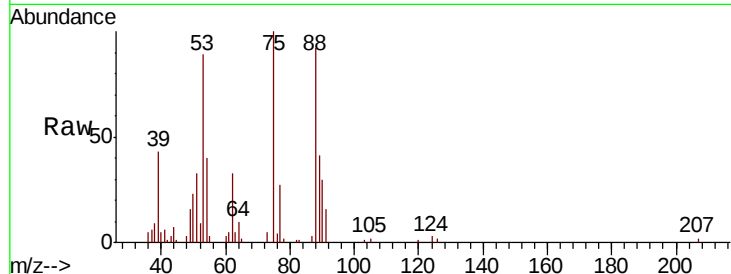




#81
trans-1,4-Dichloro-2-butene
Concen: 16.424 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

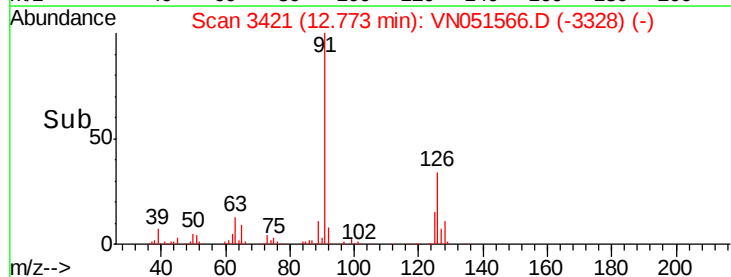
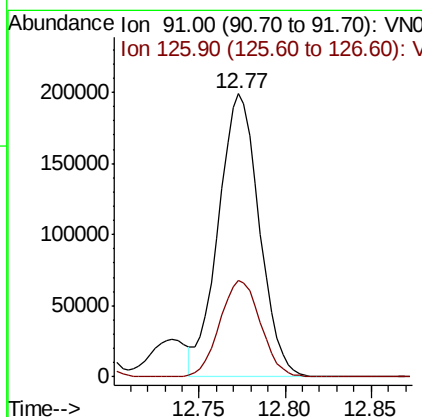
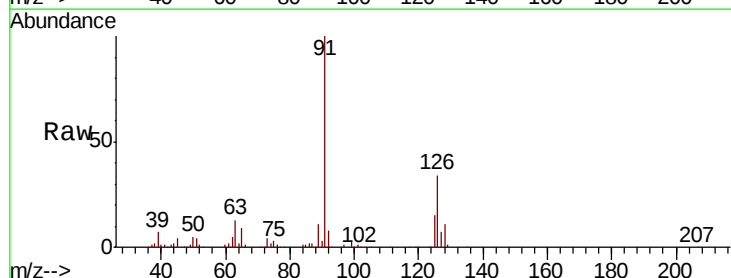
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

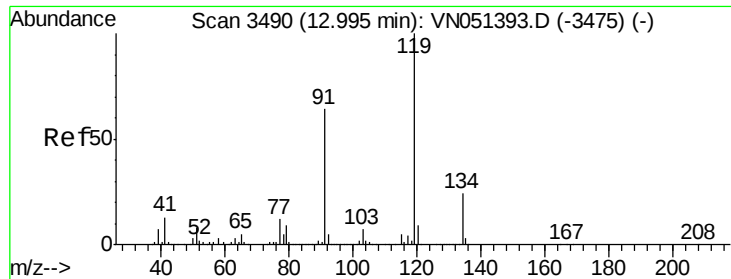
Tot Ion: 75 Resp: 25849
Ion Ratio Lower Upper
75 100
53 98.5 73.9 110.9
89 44.6 36.7 55.1



#82
4-Chlorotoluene
Concen: 19.914 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion: 91 Resp: 329808
Ion Ratio Lower Upper
91 100
126 34.1 17.5 52.5

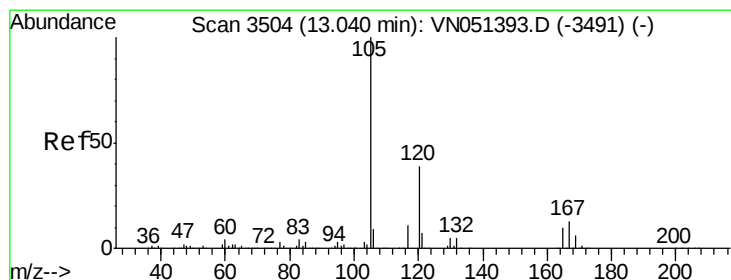
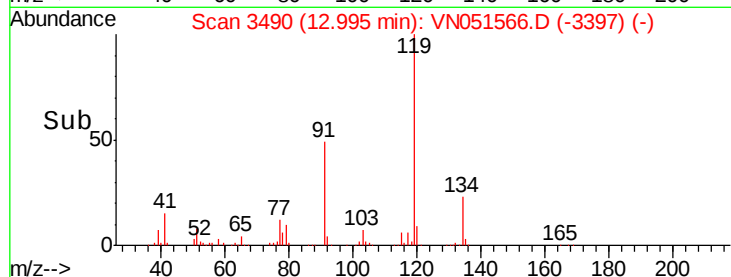
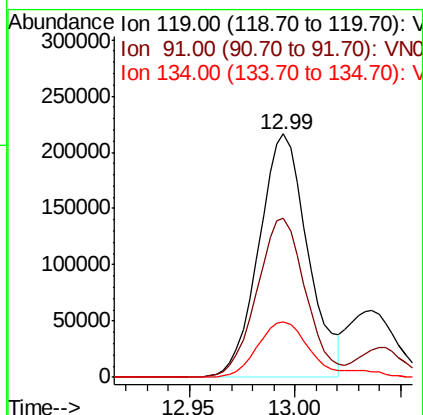
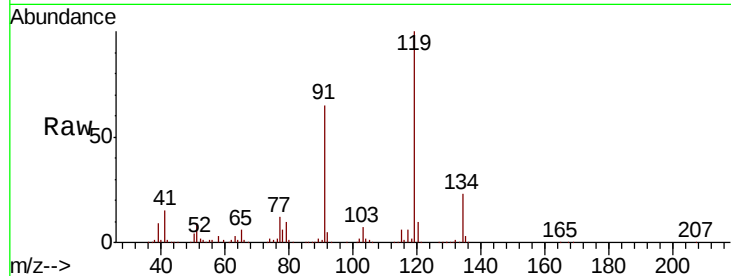




#83
tert-Butylbenzene
Concen: 19.582 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

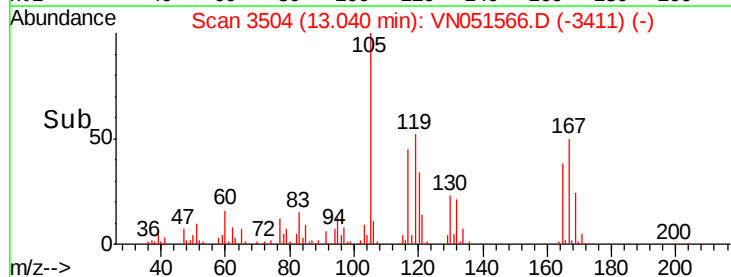
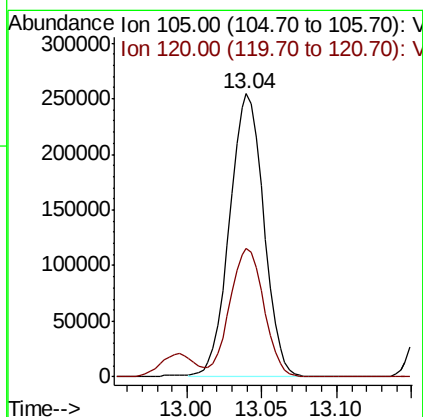
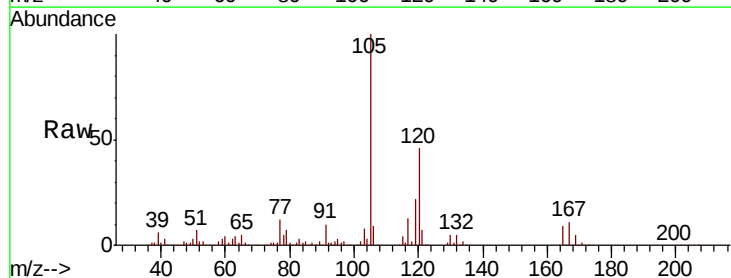
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD02

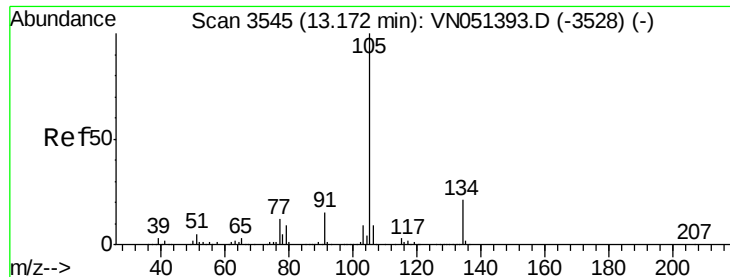
Tot Ion:119 Resp: 349575
Ion Ratio Lower Upper
119 100
91 65.4 31.7 95.1
134 25.9 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 19.961 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051566.D
Acq: 27 Sep 2018 6:22

Tgt Ion:105 Resp: 403421
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 19.785 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

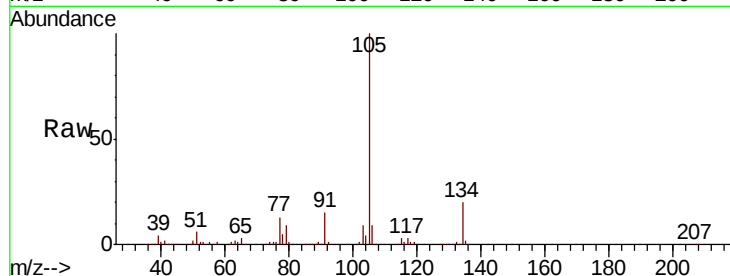
VN0927WBSD02

Tot Ion:105 Resp: 477835

Ion Ratio Lower Upper

105 100

134 19.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

300000

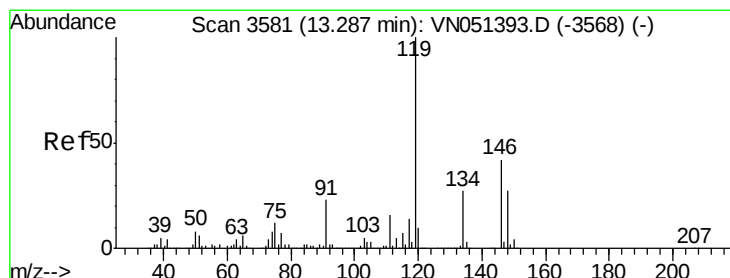
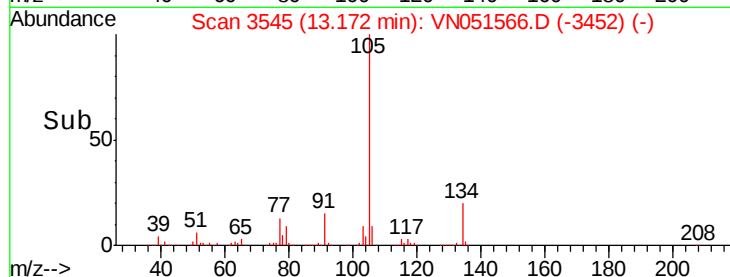
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 18.919 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

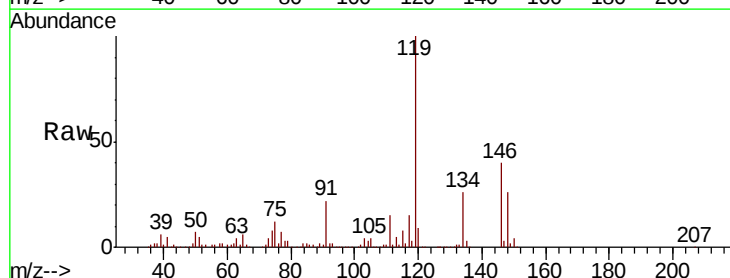
Tgt Ion:119 Resp: 395365

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

300000

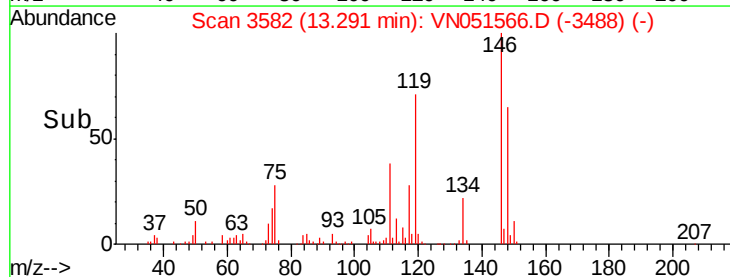
200000

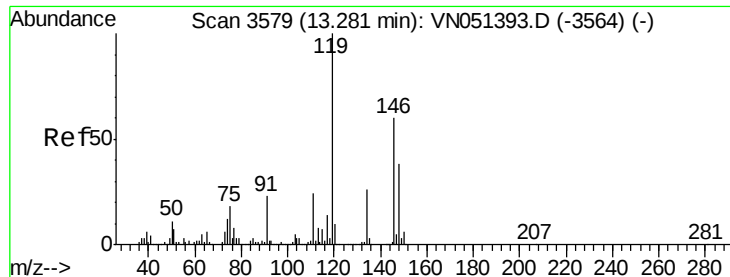
100000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.524 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

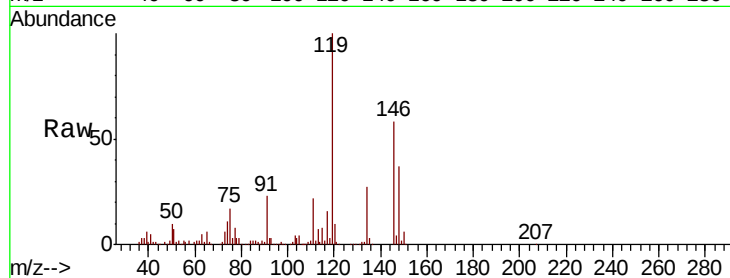
Tot Ion:146 Resp: 210374

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.1

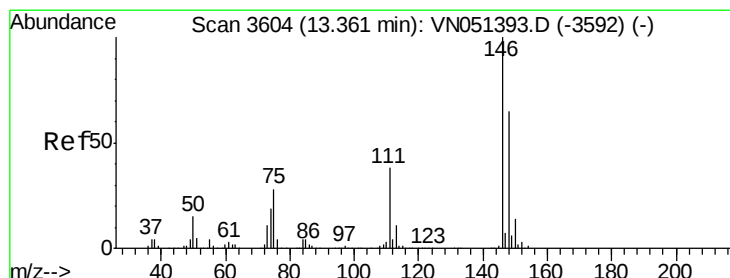
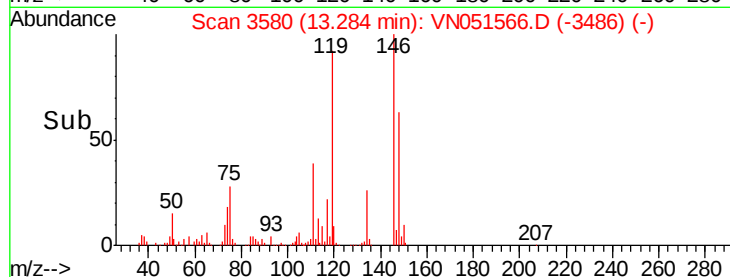
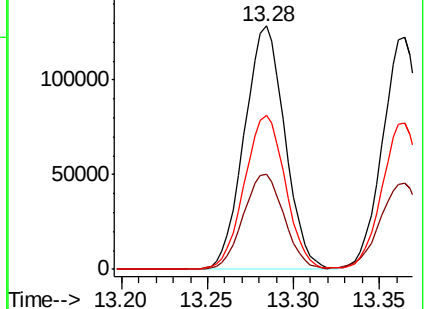
148 63.8 31.9 95.7



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: 19.274 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

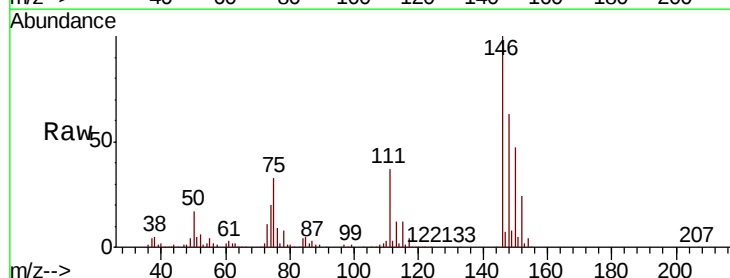
Tgt Ion:146 Resp: 199837

Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.1

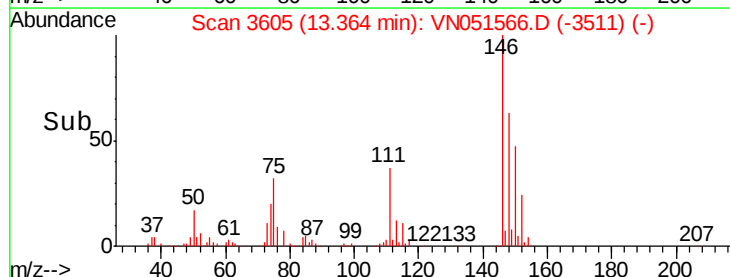
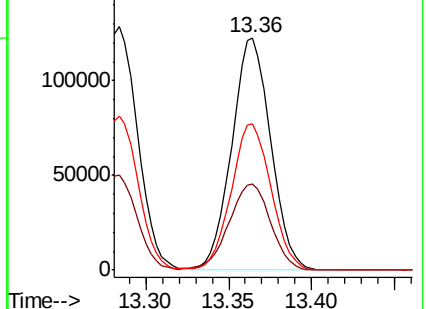
148 64.5 32.5 97.5

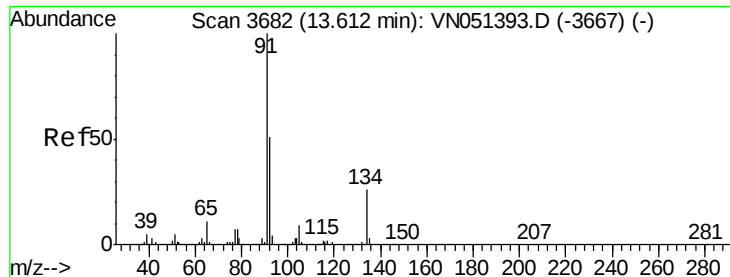


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.342 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

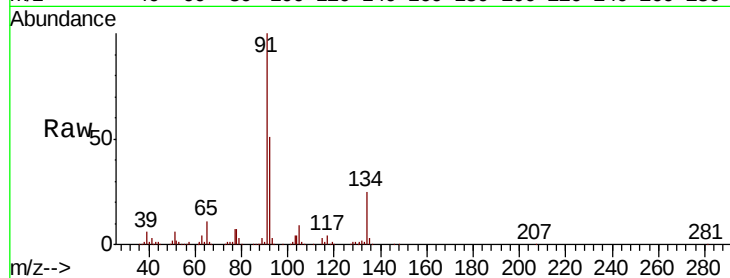
Tot Ion: 91 Resp: 298016

Ion Ratio Lower Upper

91 100

92 51.0 25.5 76.5

134 24.9 13.3 39.8

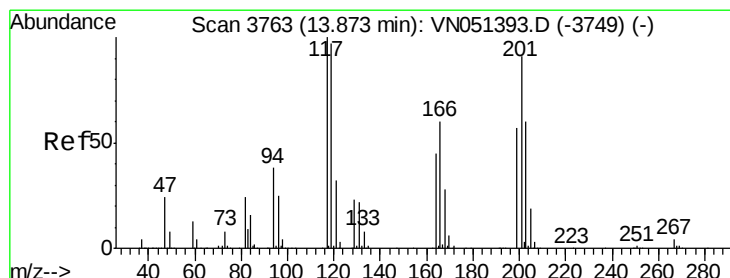
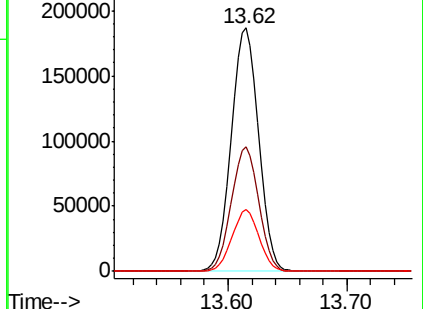
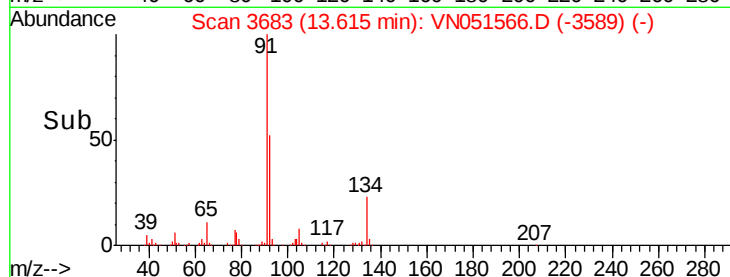


Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051393.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051393.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 19.682 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051566.D

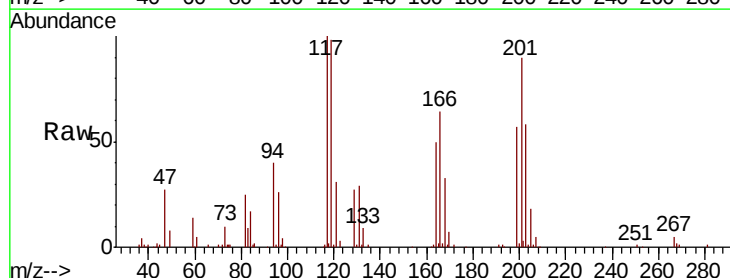
Acq: 27 Sep 2018 6:22

Tgt Ion: 117 Resp: 81949

Ion Ratio Lower Upper

117 100

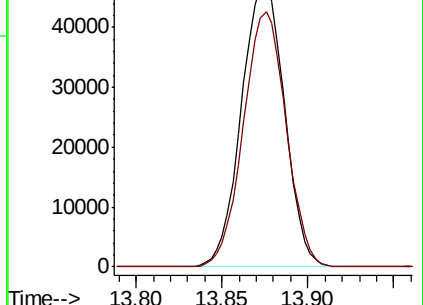
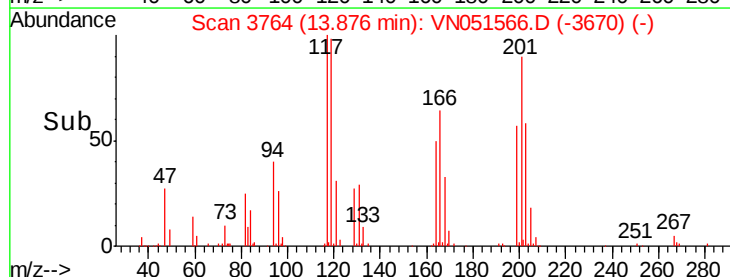
201 89.6 45.5 136.4



Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051393.D (-3749) (-)

Time-->

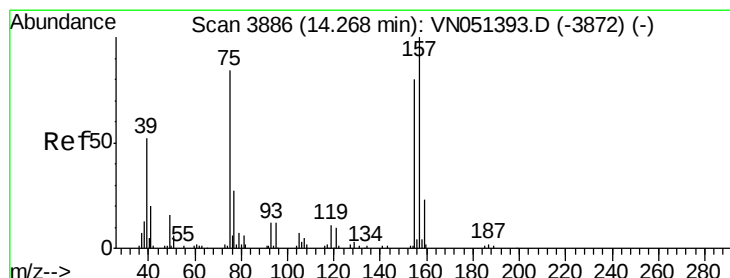
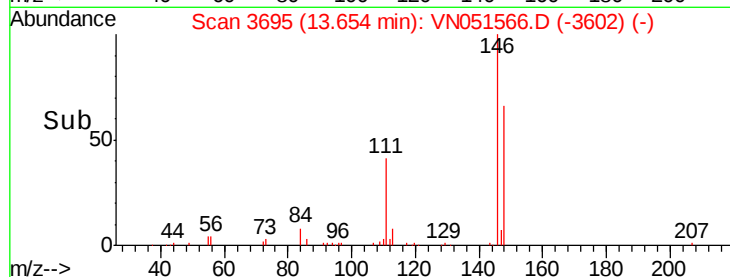
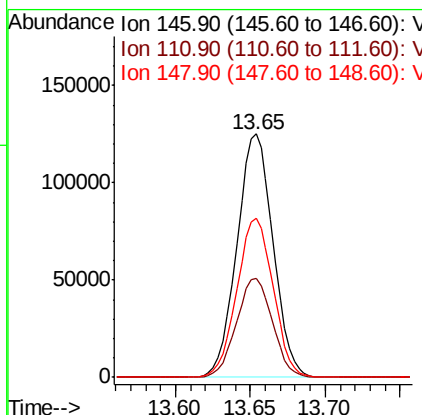
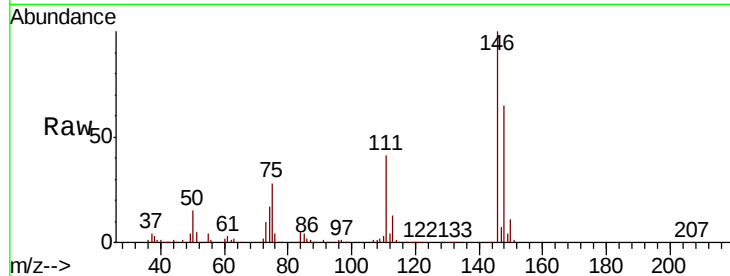




#91
 1,2-Dichlorobenzene
 Concen: 20.144 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

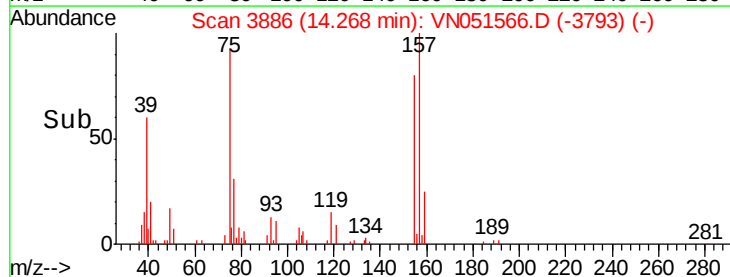
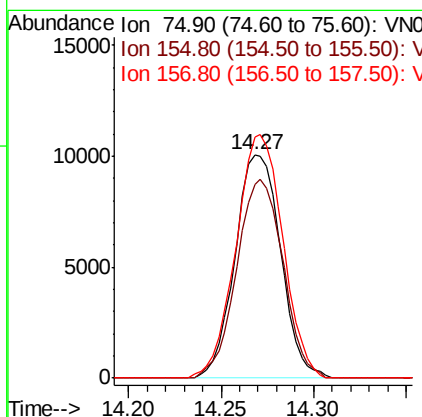
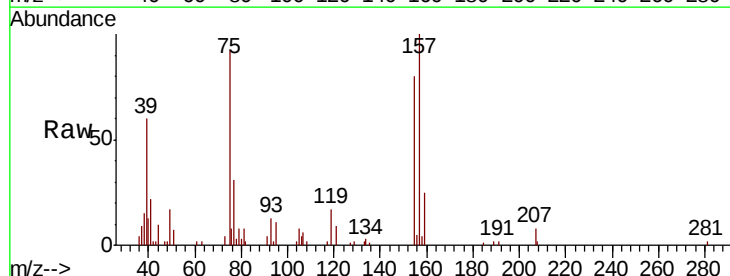
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

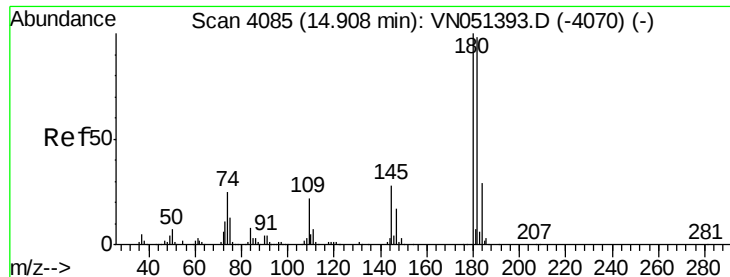
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	65.5	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.096 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	46.9	140.6
157	111.9	58.4	175.1

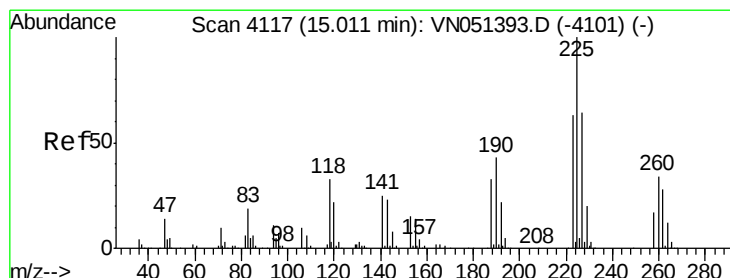
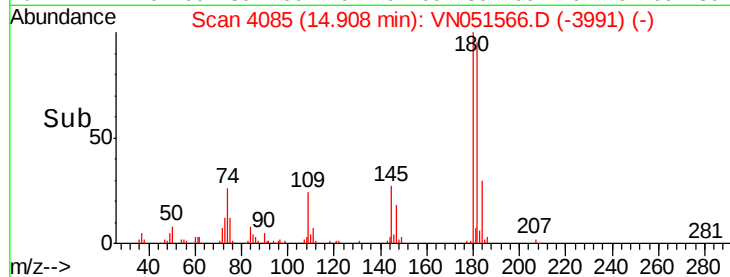
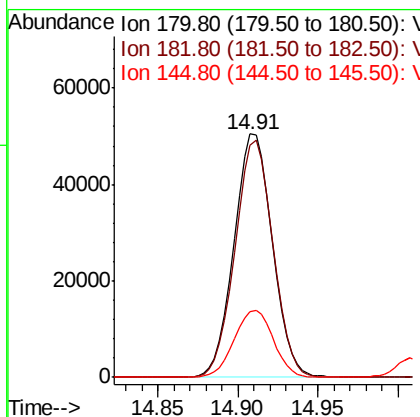
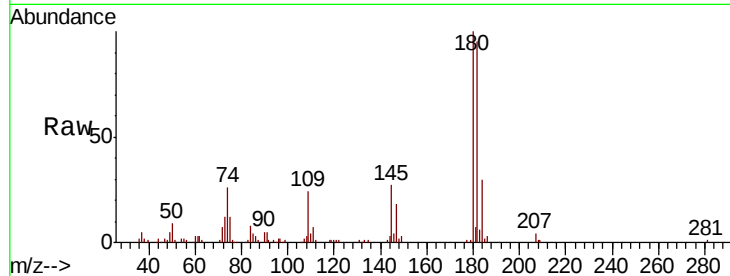




#93
 1,2,4-Trichlorobenzene
 Concen: 18.861 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

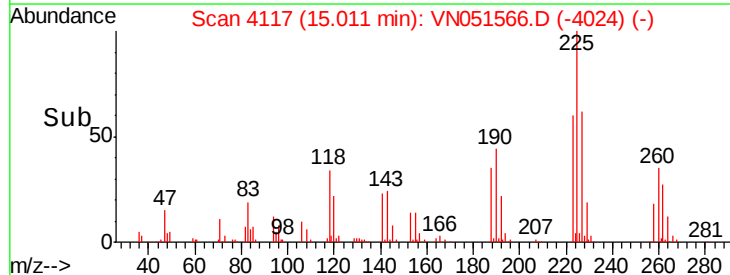
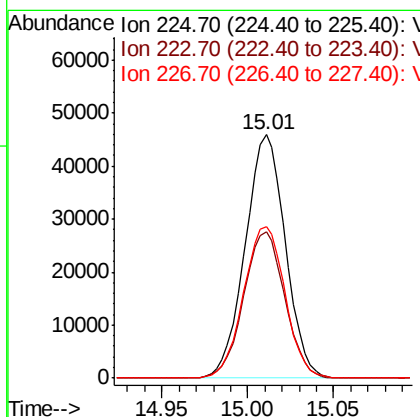
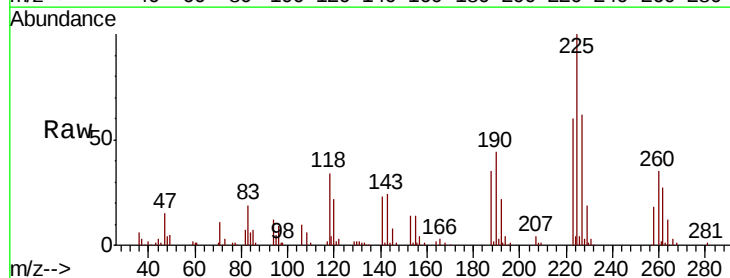
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD02

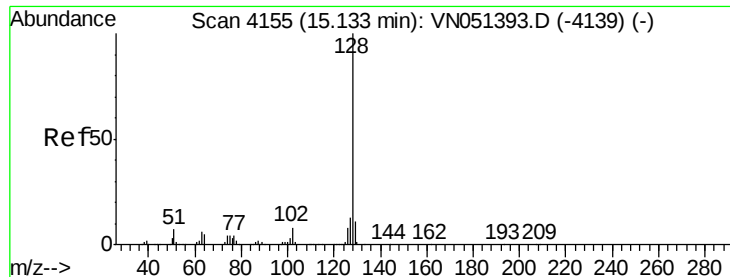
Tot Ion:180 Resp: 82458
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.5 145.6
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.799 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051566.D
 Acq: 27 Sep 2018 6:22

Tgt Ion:225 Resp: 74365
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.9 95.9
 227 64.2 32.5 97.5





#95

Naphthalene

Concen: 19.255 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD02

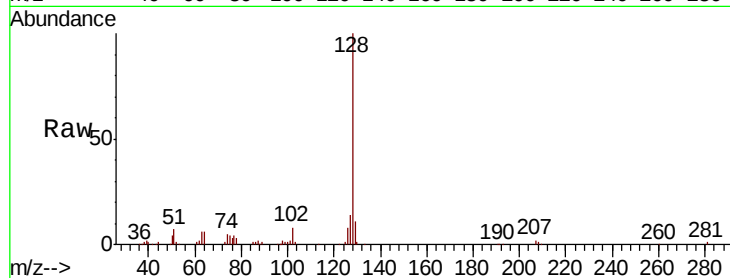
Tot Ion:128 Resp: 144807

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

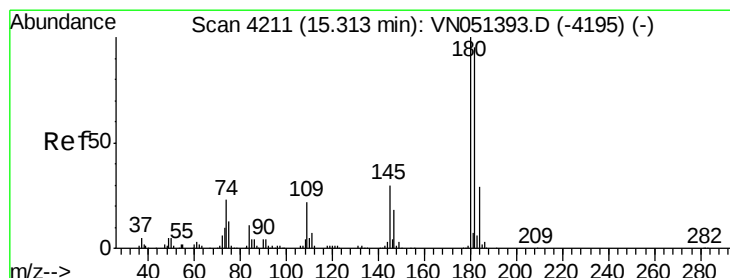
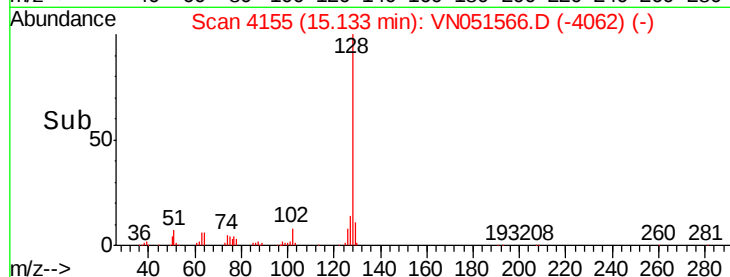
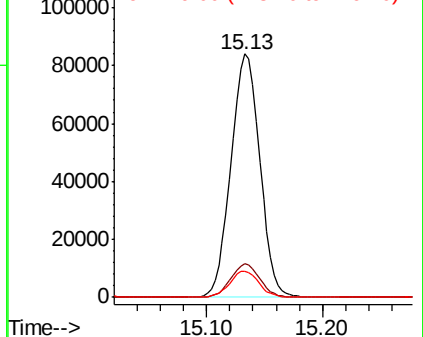
129 10.7 8.6 12.8



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: 17.928 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051566.D

Acq: 27 Sep 2018 6:22

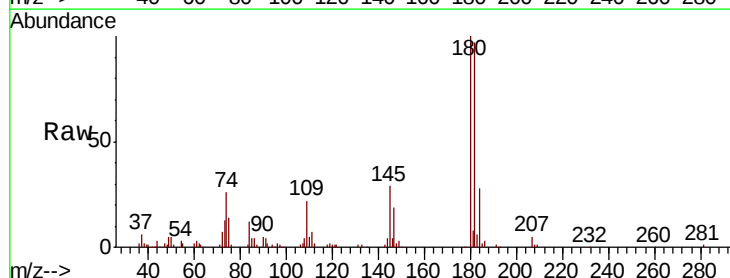
Tgt Ion:180 Resp: 89951

Ion Ratio Lower Upper

180 100

182 94.6 47.2 141.6

145 28.8 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

