

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052430.D
 Acq On : 21 Nov 2018 11:37
 Operator : MD\SY
 Sample : VN1121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	252754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	430149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	381854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162182	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	202013	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
35) Dibromofluoromethane	7.59	113	150980	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
50) Toluene-d8	10.09	98	556606	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	184652	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	53984	20.156	ug/l	98
3) Chloromethane	2.06	50	70683	18.990	ug/l	97
4) Vinyl Chloride	2.19	62	63645	19.781	ug/l	95
5) Bromomethane	2.58	94	35537	17.717	ug/l	98
6) Chloroethane	2.71	64	36567	20.101	ug/l	98
7) Trichlorofluoromethane	3.03	101	97177	21.827	ug/l	96
8) Diethyl Ether	3.42	74	32167	18.957	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	54400	19.348	ug/l	98
10) Methyl Iodide	3.96	142	62984	16.684	ug/l	96
11) Tert butyl alcohol	4.78	59	16356	86.757	ug/l	97
12) 1,1-Dichloroethene	3.74	96	49327	18.958	ug/l	99
13) Acrolein	3.61	56	23641	97.669	ug/l	97
14) Allyl chloride	4.33	41	101207	18.944	ug/l	92
15) Acrylonitrile	4.99	53	102626	95.332	ug/l	100
16) Acetone	3.82	43	97155	98.846	ug/l	95
17) Carbon Disulfide	4.06	76	144691	19.393	ug/l	98
18) Methyl Acetate	4.33	43	56013	20.593	ug/l #	78
19) Methyl tert-butyl Ether	5.05	73	147511	19.728	ug/l	97
20) Methylene Chloride	4.56	84	61397	20.114	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	54130	19.323	ug/l	97
22) Diisopropyl ether	5.95	45	230673	21.161	ug/l	97
23) Vinyl Acetate	5.90	43	725335	98.090	ug/l	99
24) 1,1-Dichloroethane	5.85	63	119519	20.448	ug/l	98
25) 2-Butanone	6.84	43	134507	97.223	ug/l	96
26) 2,2-Dichloropropane	6.83	77	84158	19.581	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	64587	19.805	ug/l	97
28) Bromochloromethane	7.20	49	64801	21.561	ug/l	94
29) Tetrahydrofuran	7.21	42	82127	90.363	ug/l	99
30) Chloroform	7.37	83	117186	21.037	ug/l	95
31) Cyclohexane	7.66	56	110381	19.697	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	99518	20.972	ug/l	98
36) 1,1-Dichloropropene	7.79	75	87759	20.355	ug/l	99
37) Ethyl Acetate	6.93	43	58718	18.766	ug/l	99
38) Carbon Tetrachloride	7.78	117	84580	21.353	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93736	19.045	ug/l	94
40) Benzene	8.04	78	246134	19.984	ug/l	99
41) Methacrylonitrile	7.21	41	90218	51.774	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	95205	21.677	ug/l	99
43) Isopropyl Acetate	8.17	43	110323	18.272	ug/l #	85
44) Trichloroethene	8.84	130	59868	19.733	ug/l	99
45) 1,2-Dichloropropane	9.12	63	71527	20.463	ug/l	98
46) Dibromomethane	9.21	93	40280	19.906	ug/l	96
47) Bromodichloromethane	9.40	83	89761	21.617	ug/l	97
48) Methyl methacrylate	9.20	41	56040	18.292	ug/l	96
49) 1,4-Dioxane	9.20	88	8905	378.637	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	296012	97.396	ug/l	97
52) Toluene	10.16	92	148384	20.139	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	82610	19.726	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	96987	20.315	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	52333	19.593	ug/l	99
56) Ethyl methacrylate	10.43	69	63066	17.954	ug/l	95
57) 1,3-Dichloropropane	10.71	76	94095	19.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	193232	96.622	ug/l	97
59) 2-Hexanone	10.75	43	192628	92.144	ug/l	98
60) Dibromochloromethane	10.90	129	58759	20.333	ug/l	98
61) 1,2-Dibromoethane	11.01	107	50903	19.132	ug/l	99
64) Tetrachloroethene	10.63	164	53764	19.805	ug/l	99
65) Chlorobenzene	11.43	112	160595	19.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	55824	20.282	ug/l	97
67) Ethyl Benzene	11.51	91	283764	20.256	ug/l	98
68) m/p-Xylenes	11.62	106	209599	40.949	ug/l	99
69) o-Xylene	11.95	106	101407	20.668	ug/l	98
70) Styrene	11.96	104	161511	20.558	ug/l	99
71) Bromoform	12.13	173	32688	20.114	ug/l #	99
73) Isopropylbenzene	12.25	105	275954	21.163	ug/l	99
74) N-amyl acetate	12.07	43	81176	17.478	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	62744	19.906	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	80035	29.083	ug/l #	100
77) Bromobenzene	12.53	156	60538	19.953	ug/l	96
78) n-propylbenzene	12.59	91	315835	20.711	ug/l	99
79) 2-Chlorotoluene	12.68	91	187275	21.022	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	224781	21.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	15410	18.162	ug/l	91
82) 4-Chlorotoluene	12.77	91	187053	20.494	ug/l	98
83) tert-Butylbenzene	12.99	119	190466	20.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	224341	21.551	ug/l	97
85) sec-Butylbenzene	13.17	105	263896	21.162	ug/l	99
86) p-Isopropyltoluene	13.29	119	220851	20.907	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	109301	20.285	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	106340	19.851	ug/l	99
89) n-Butylbenzene	13.62	91	189827	20.923	ug/l	98
90) Hexachloroethane	13.88	117	38666	20.666	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	105670	20.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9001	19.365	ug/l	92

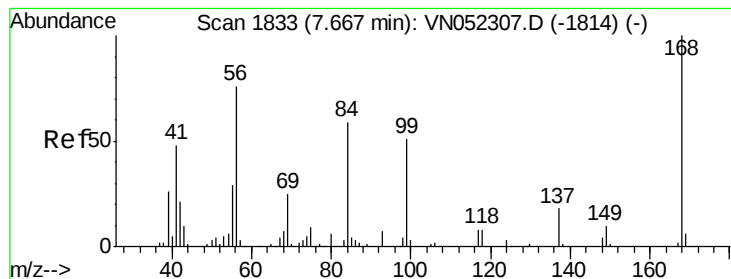
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40919	18.343	ug/l	98
94) Hexachlorobutadiene	15.01	225	25535	21.371	ug/l	99
95) Naphthalene	15.13	128	88263	17.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	38647	19.483	ug/l	97

(#) = 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: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

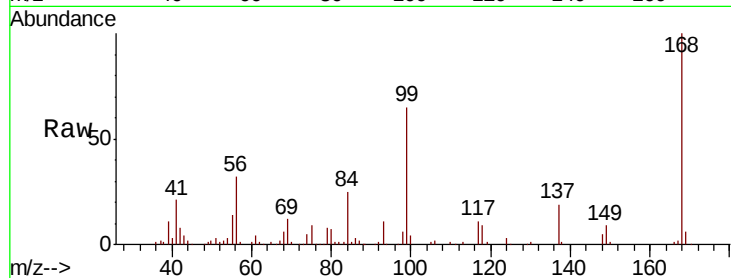
ClientSampled :

Tot Ion:168 Resp: 252754

Ion Ratio Lower Upper

168 100

99 65.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

60000

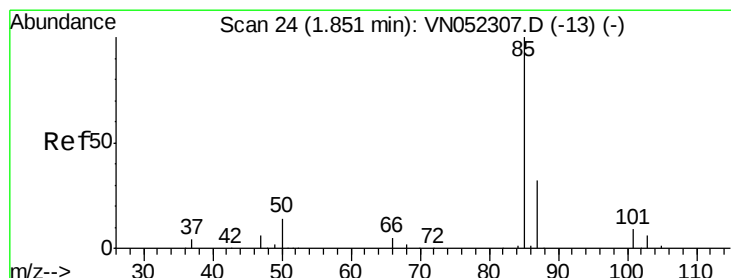
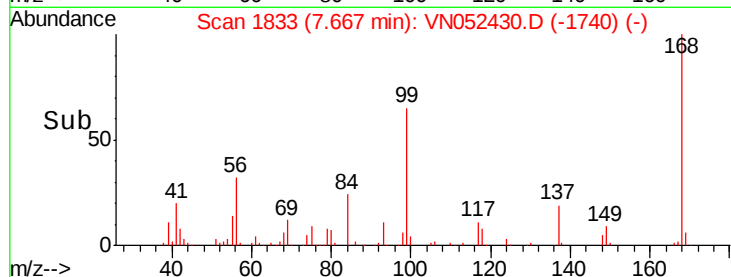
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.156 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052430.D

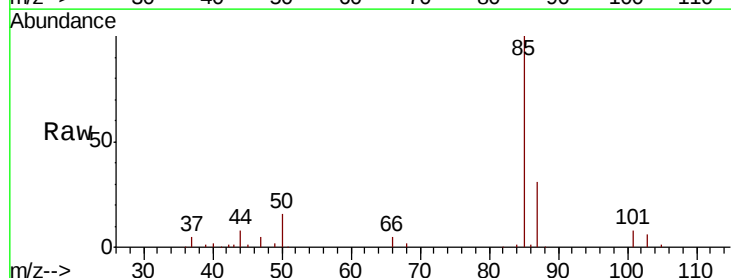
Acq: 21 Nov 2018 11:37

Tgt Ion: 85 Resp: 53984

Ion Ratio Lower Upper

85 100

87 30.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

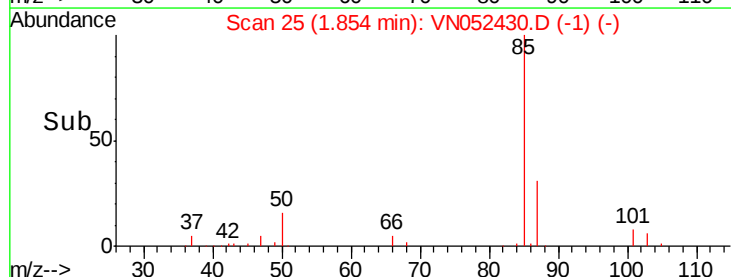
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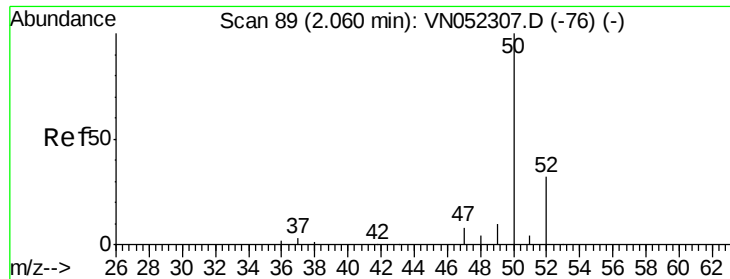
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1.80 1.85 1.90

Time-->

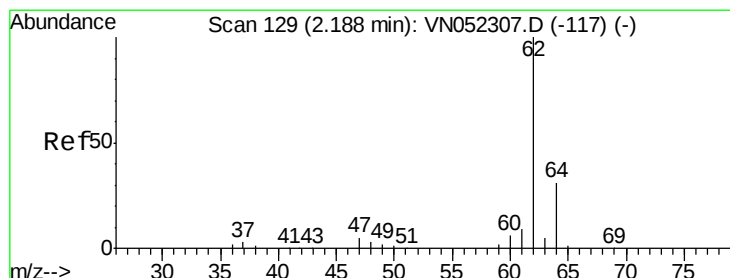
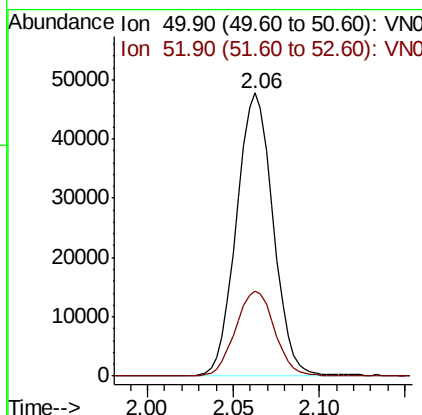
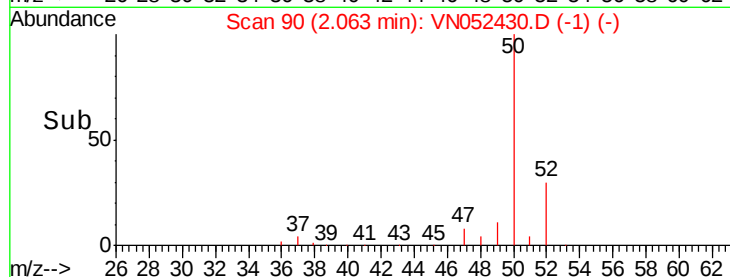
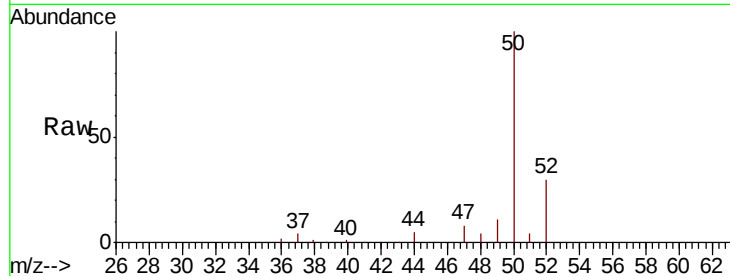




#3
Chloromethane
Concen: 18.990 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

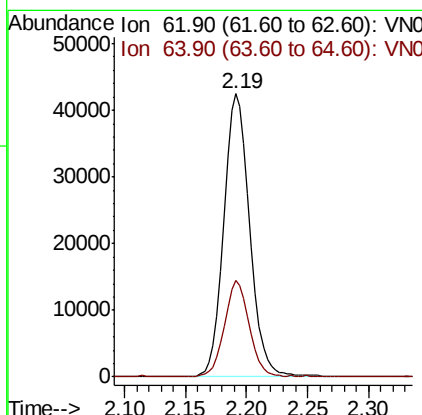
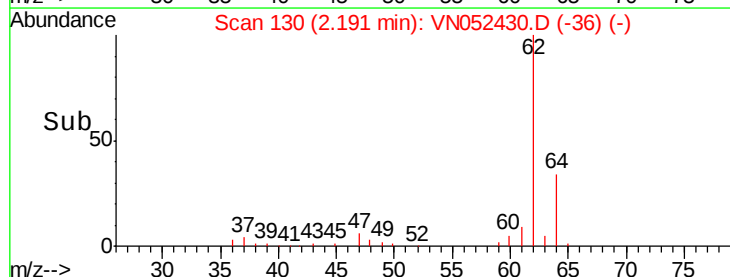
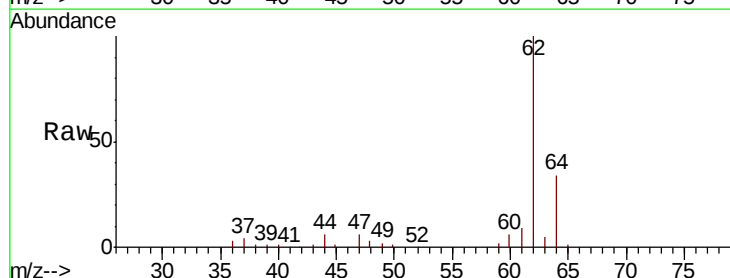
Instrument :
MSVOA_N
ClientSampled :

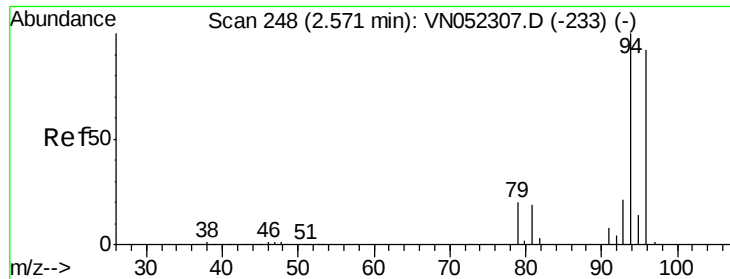
Tot Ion: 50 Resp: 70683
Ion Ratio Lower Upper
50 100
52 30.2 25.5 38.3



#4
Vinyl Chloride
Concen: 19.781 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 62 Resp: 63645
Ion Ratio Lower Upper
62 100
64 34.0 25.2 37.8

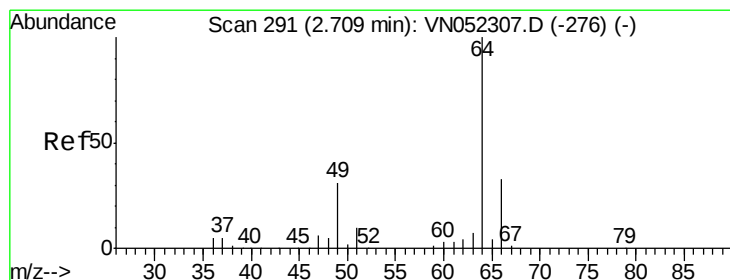
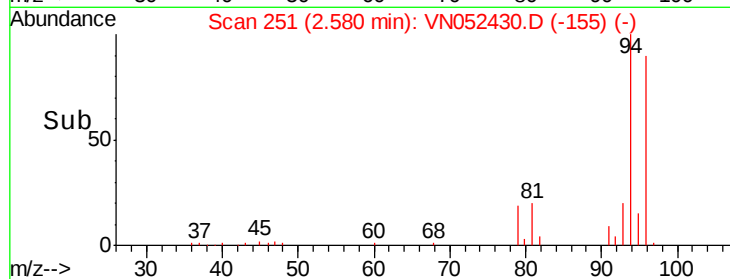
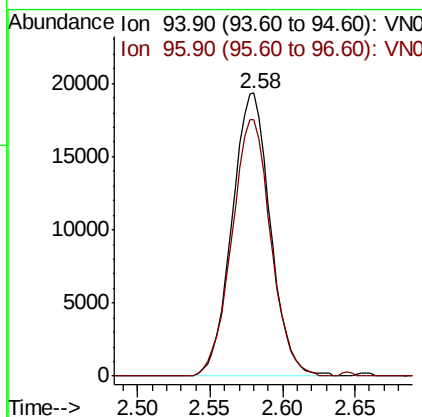
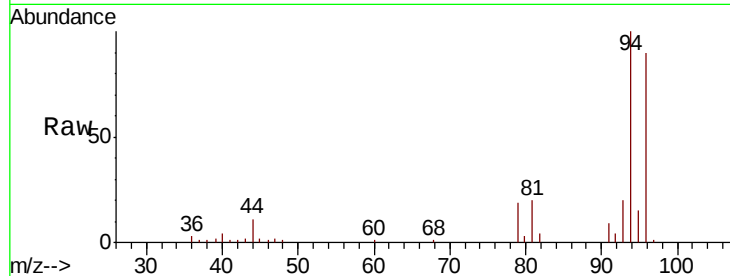




#5
Bromomethane
Concen: 17.717 ug/l
RT: 2.58 min Scan# 251
Delta R.T. 0.01 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

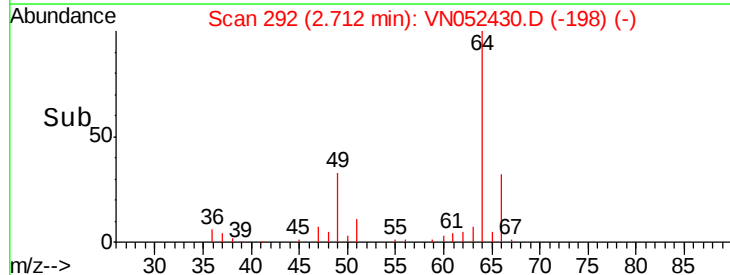
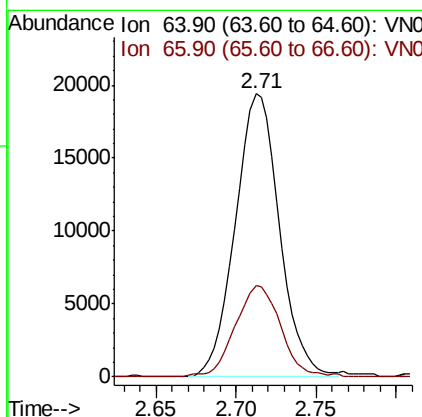
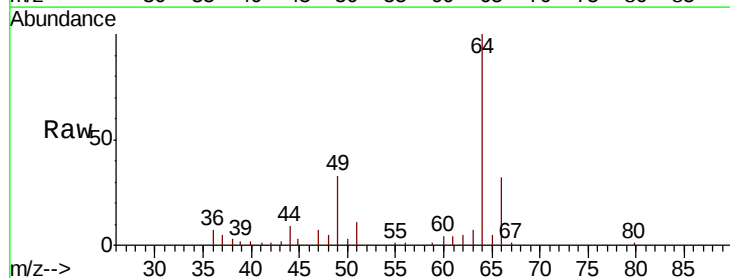
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MSVOA_N
ClientSampleId :

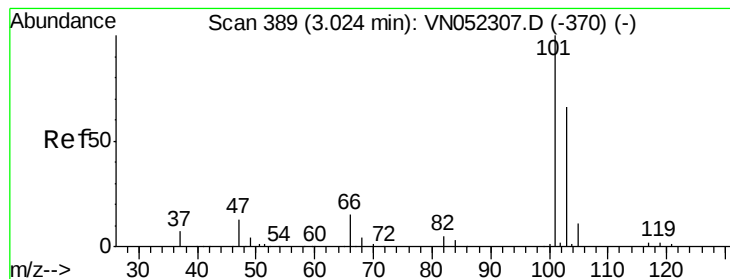
Tot Ion: 94 Resp: 35537
Ion Ratio Lower Upper
94 100
96 90.4 73.6 110.4



#6
Chloroethane
Concen: 20.101 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 64 Resp: 36567
Ion Ratio Lower Upper
64 100
66 31.4 26.2 39.2



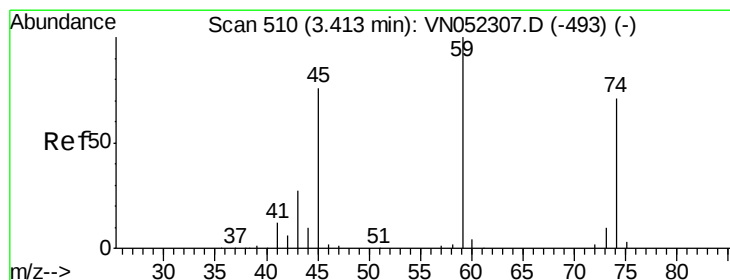
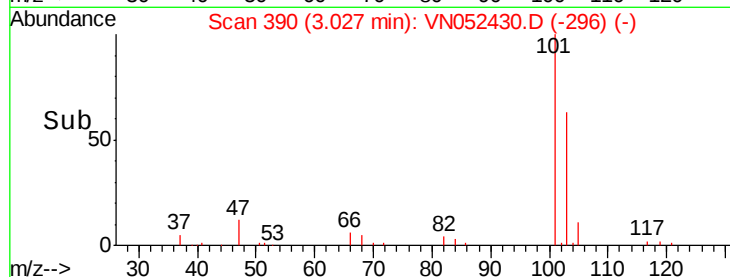
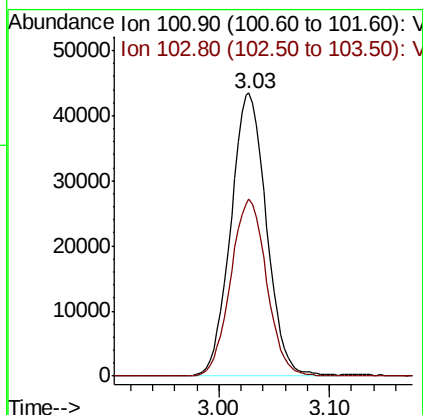
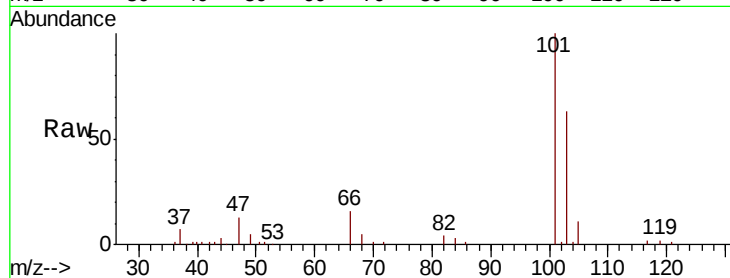


#7

Trichlorofluoromethane
Concen: 21.827 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampled :

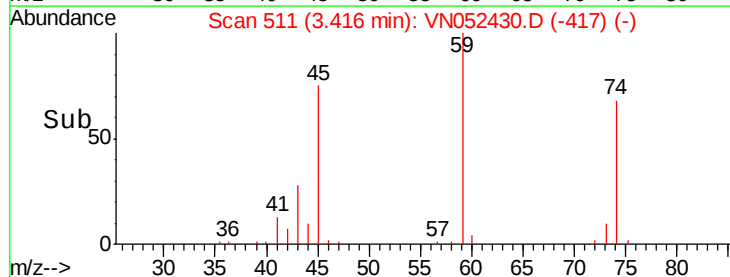
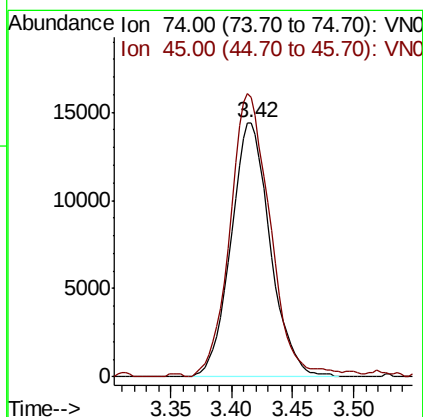
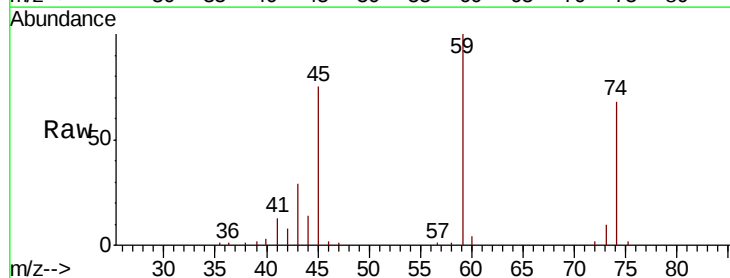
Tot Ion:101 Resp: 97177
Ion Ratio Lower Upper
101 100
103 62.6 52.8 79.2

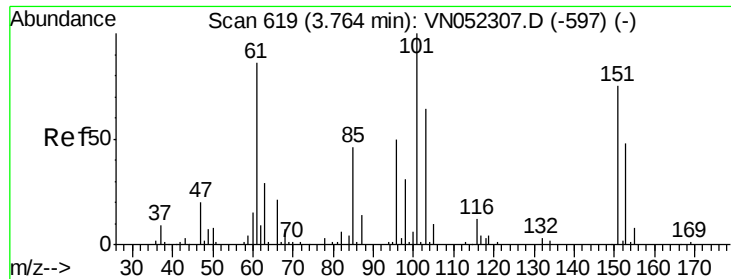


#8

Diethyl Ether
Concen: 18.957 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 74 Resp: 32167
Ion Ratio Lower Upper
74 100
45 114.2 54.3 162.9

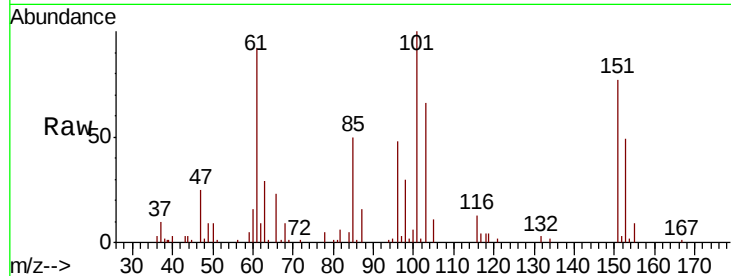




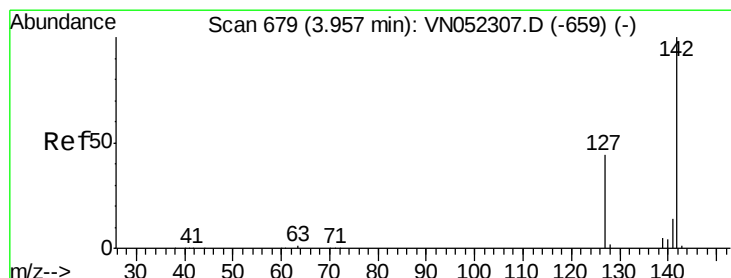
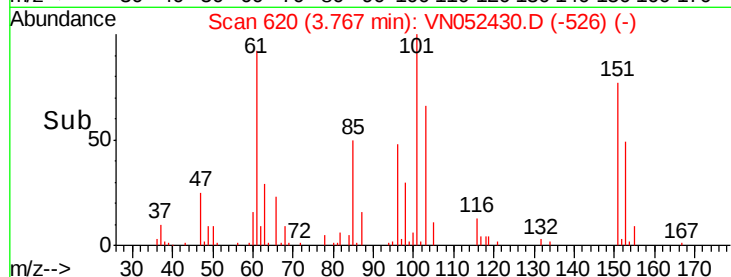
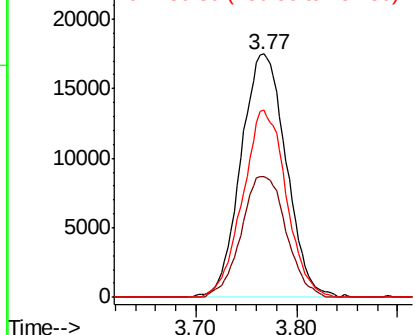
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.348 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 54400
 Ion Ratio Lower Upper
 101 100
 85 49.3 37.4 56.0
 151 74.0 58.6 88.0

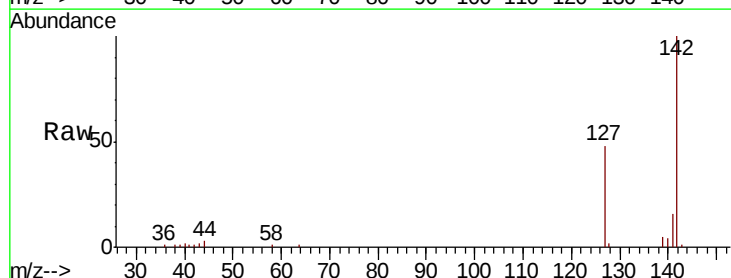


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

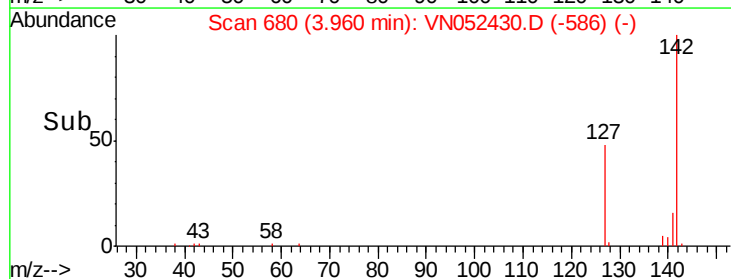
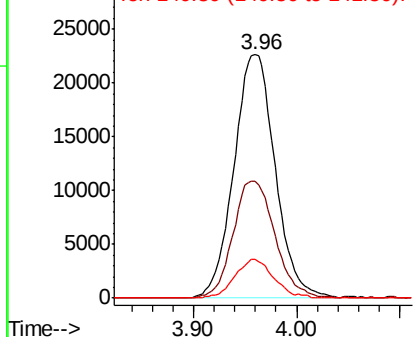


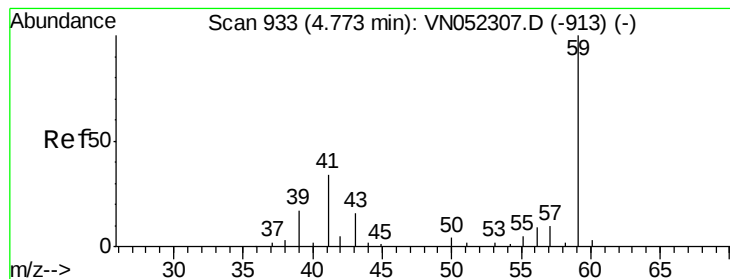
#10
 Methyl Iodide
 Concen: 16.684 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion:142 Resp: 62984
 Ion Ratio Lower Upper
 142 100
 127 48.9 36.3 54.5
 141 15.0 11.4 17.2



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



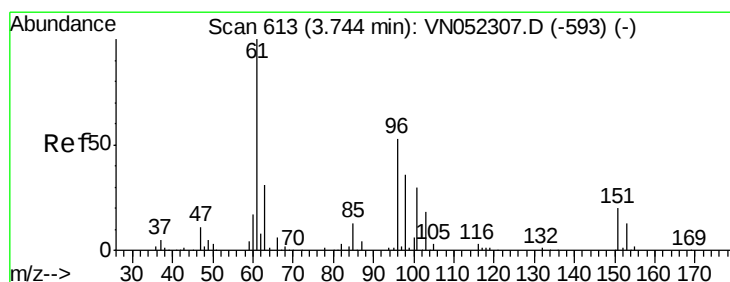
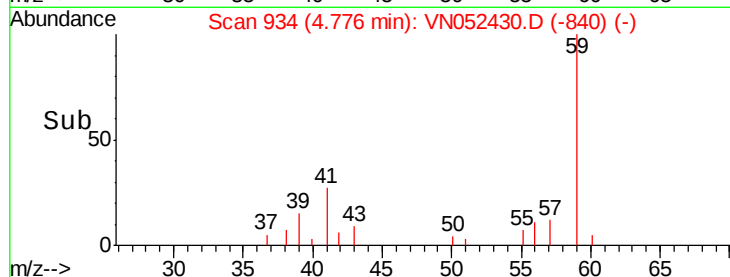
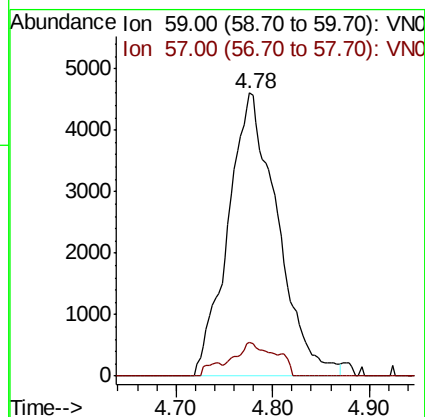
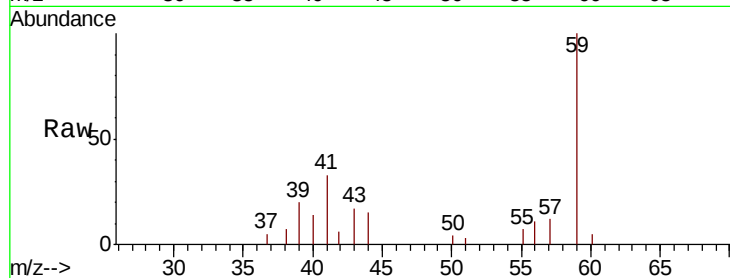


#11

Tert butyl alcohol
 Concen: 86.757 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampled :

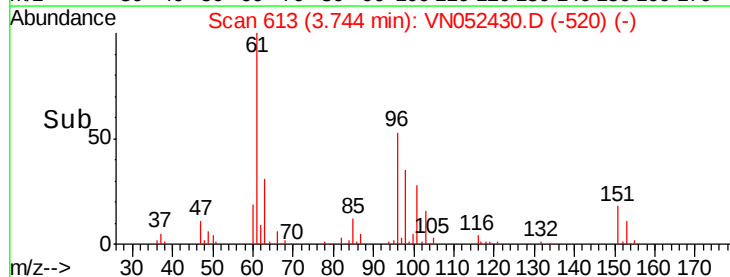
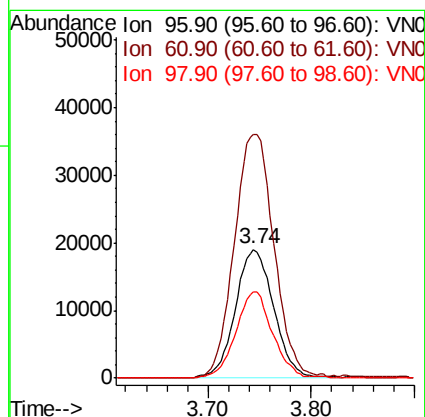
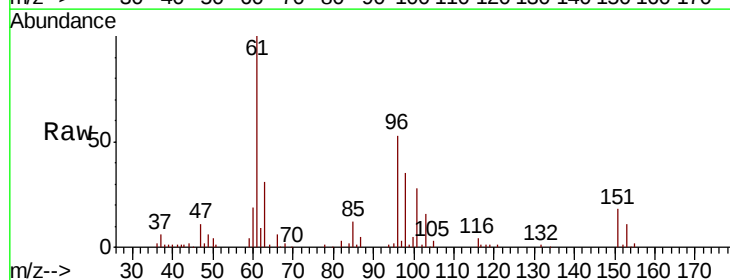
Tot Ion: 59 Resp: 16356
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.5 12.7

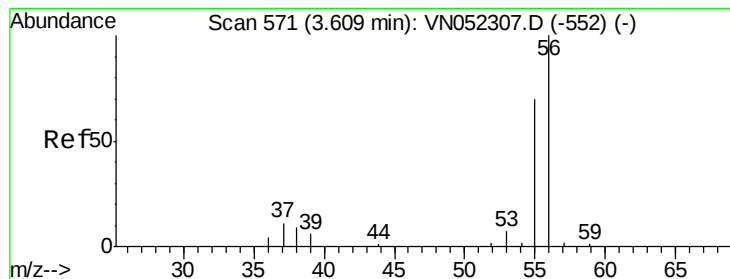


#12

1,1-Dichloroethene
 Concen: 18.958 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 96 Resp: 49327
 Ion Ratio Lower Upper
 96 100
 61 189.4 149.6 224.4
 98 67.1 54.2 81.2





#13

Acrolein

Concen: 97.669 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

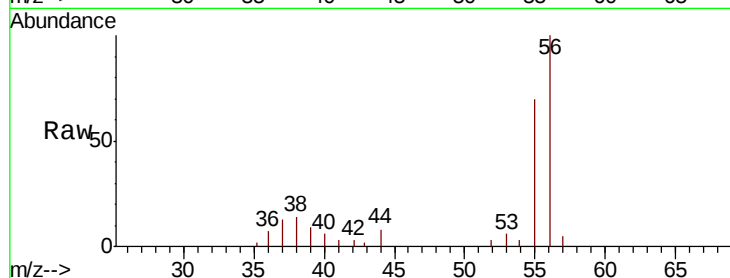
ClientSampled :

Tot Ion: 56 Resp: 23641

Ion Ratio Lower Upper

56 100

55 69.5 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

10000

8000

6000

4000

2000

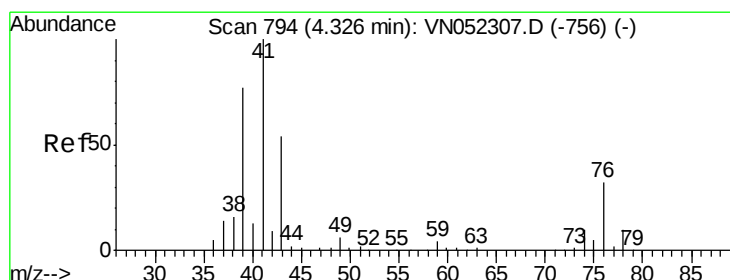
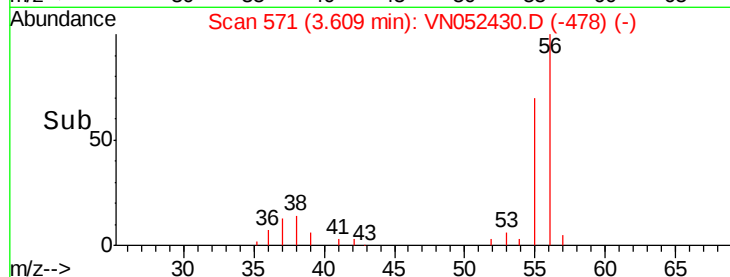
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.944 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

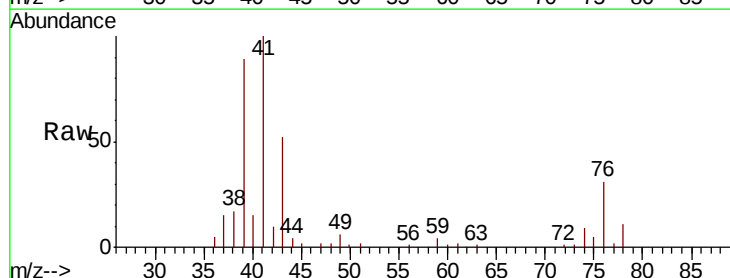
Tgt Ion: 41 Resp: 101207

Ion Ratio Lower Upper

41 100

39 82.5 59.1 88.7

76 30.7 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.33

40000

30000

20000

10000

0

Time-->

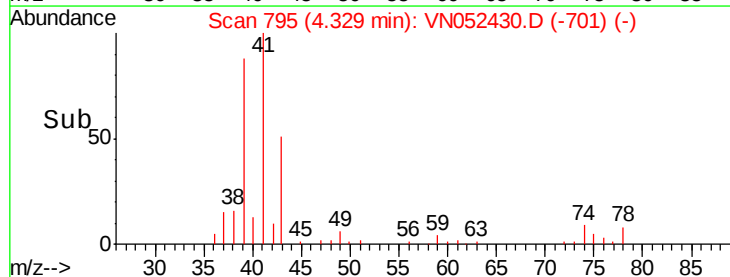
4.25

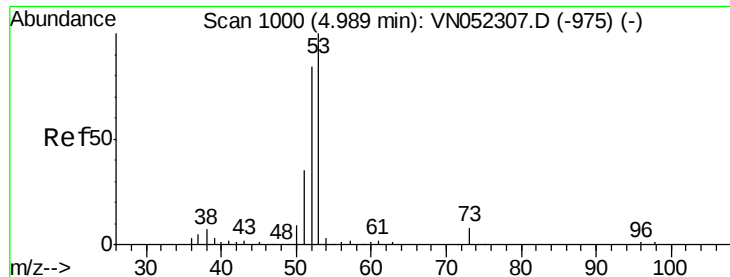
4.30

4.35

4.40

4.45





#15

Acrylonitrile

Concen: 95.332 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

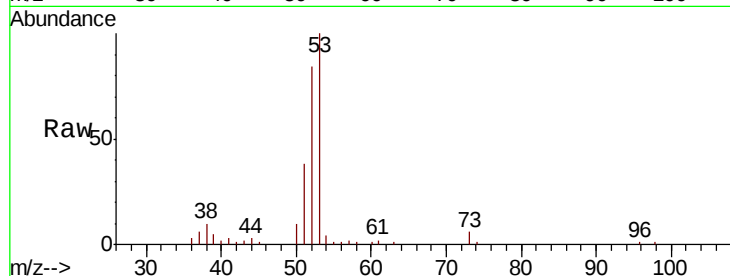
Tot Ion: 53 Resp: 102626

Ion Ratio Lower Upper

53 100

52 84.4 67.5 101.3

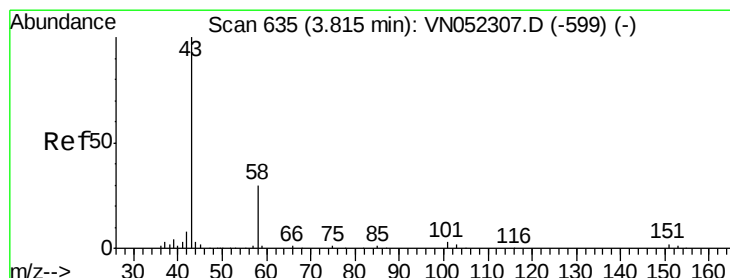
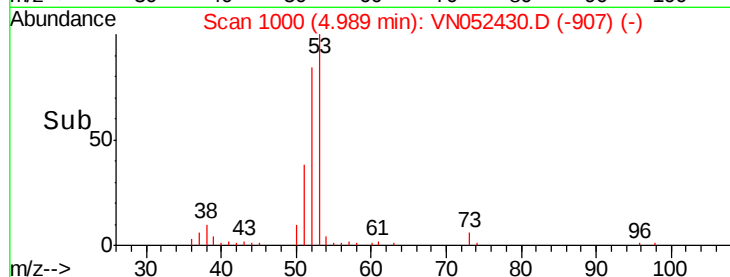
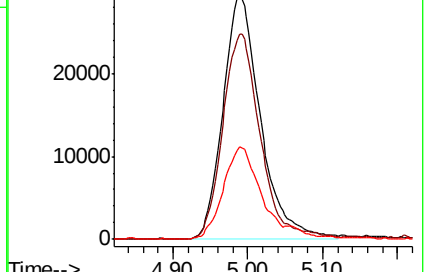
51 36.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN052430.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN052430.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN052430.D (-907) (-)



#16

Acetone

Concen: 98.846 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052430.D

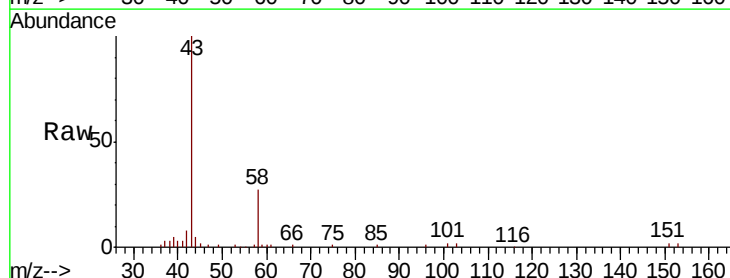
Acq: 21 Nov 2018 11:37

Tgt Ion: 43 Resp: 97155

Ion Ratio Lower Upper

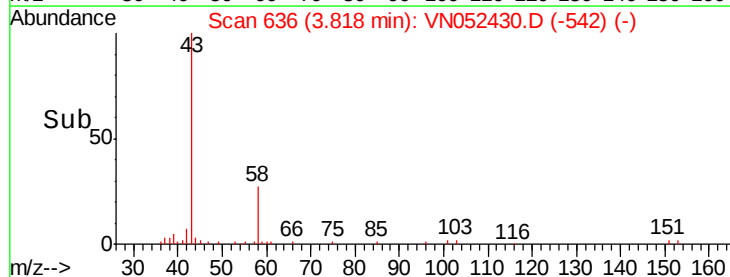
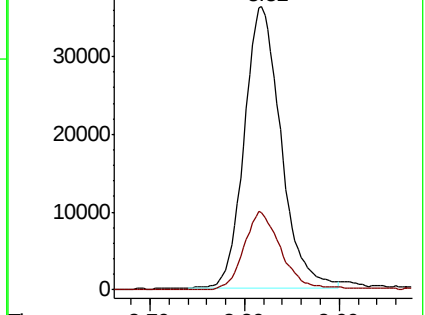
43 100

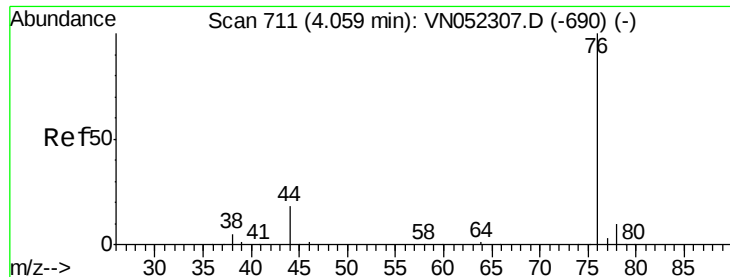
58 27.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052430.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052430.D (-542) (-)





#17

Carbon Disulfide

Concen: 19.393 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

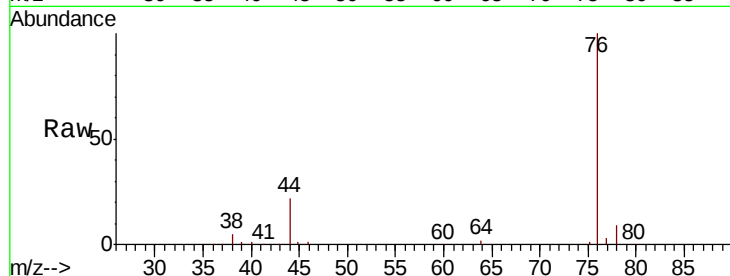
ClientSampled :

Tot Ion: 76 Resp: 144691

Ion Ratio Lower Upper

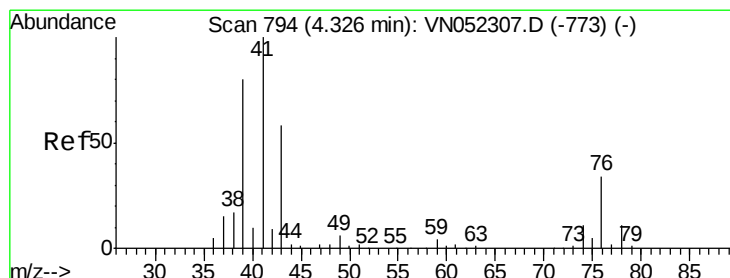
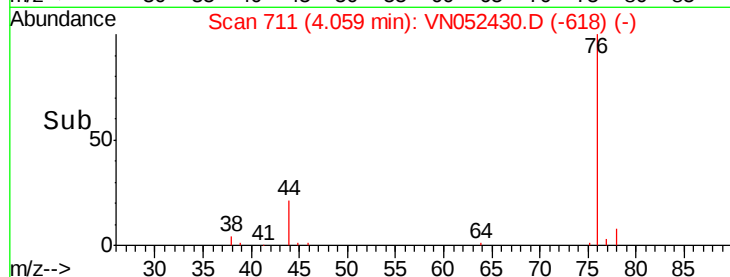
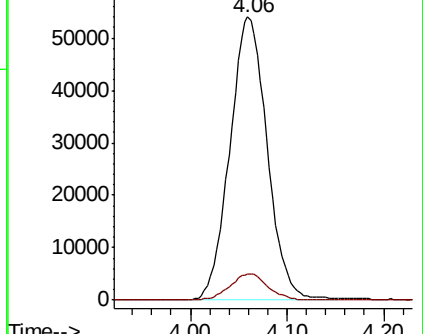
76 100

78 9.0 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 20.593 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052430.D

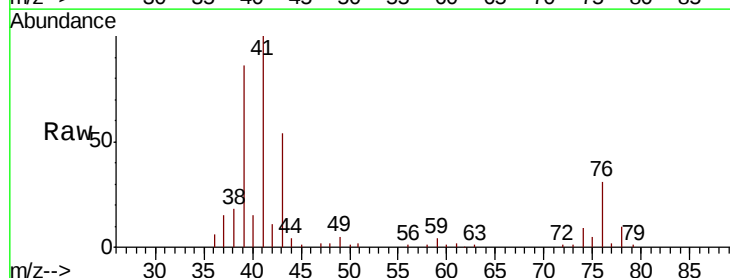
Acq: 21 Nov 2018 11:37

Tgt Ion: 43 Resp: 56013

Ion Ratio Lower Upper

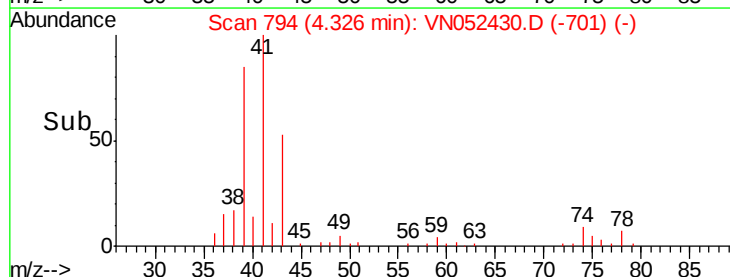
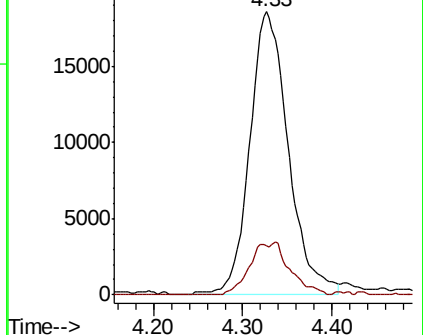
43 100

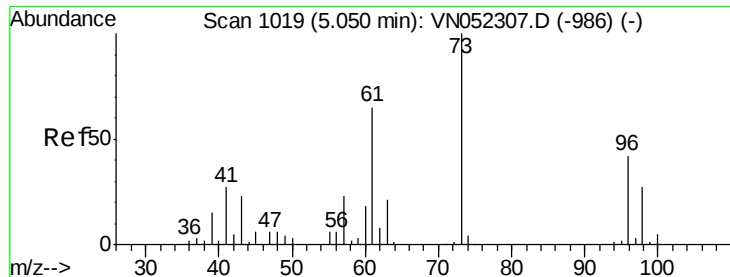
74 9.7 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



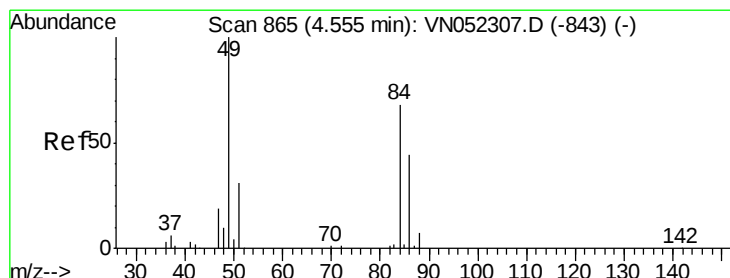
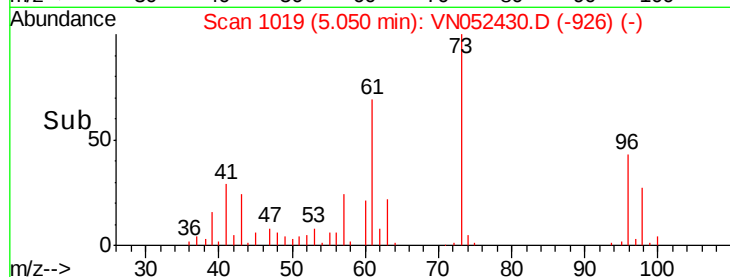
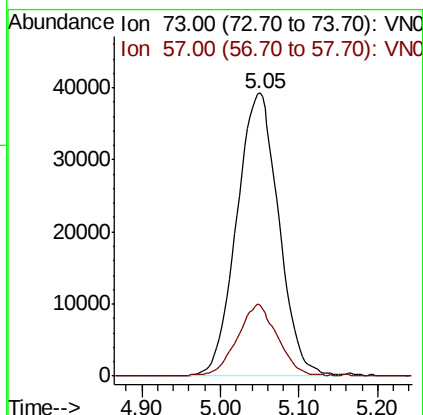
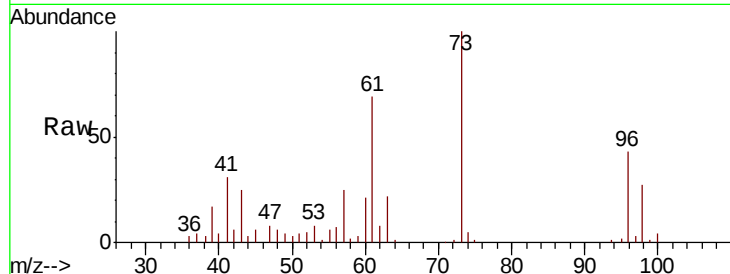


#19

Methyl tert-butyl Ether
 Concen: 19.728 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampled :

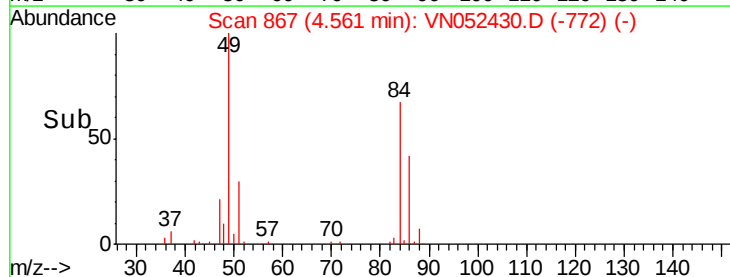
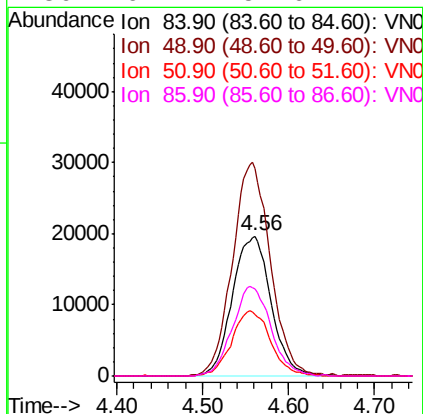
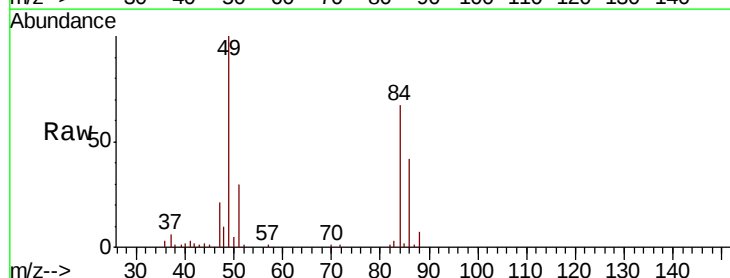
Tot Ion: 73 Resp: 147511
 Ion Ratio Lower Upper
 73 100
 57 24.9 18.7 28.1

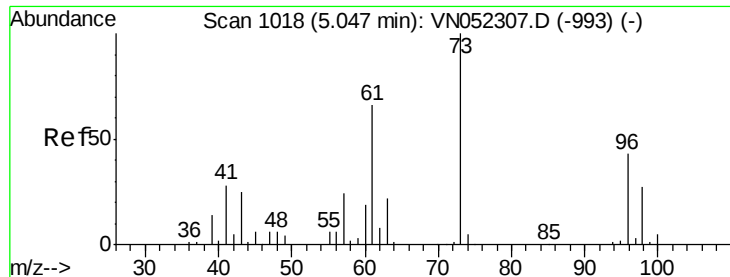


#20

Methylene Chloride
 Concen: 20.114 ug/l
 RT: 4.56 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 84 Resp: 61397
 Ion Ratio Lower Upper
 84 100
 49 148.4 118.2 177.2
 51 43.9 36.1 54.1
 86 62.4 51.6 77.4

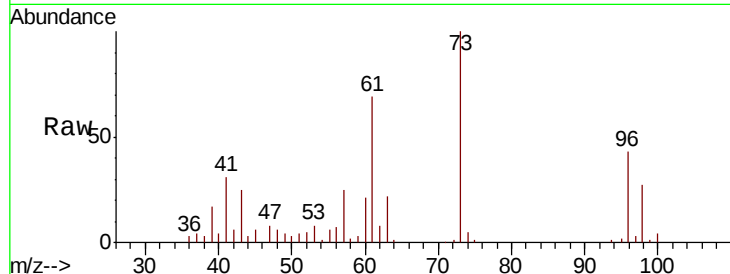




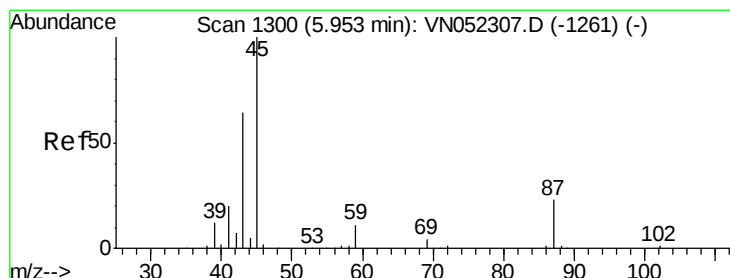
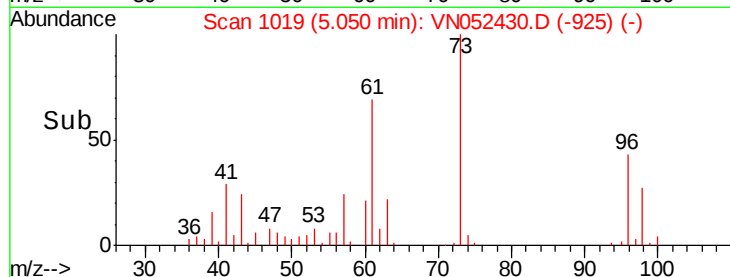
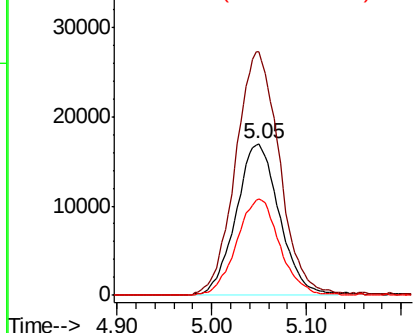
#21
trans-1,2-Dichloroethene
Concen: 19.323 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 54130
Ion Ratio Lower Upper
96 100
61 160.4 123.6 185.4
98 63.2 50.7 76.1

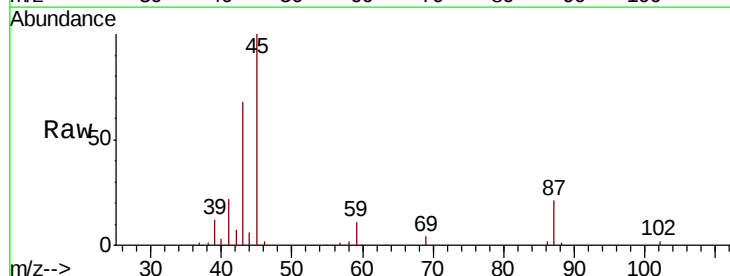


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

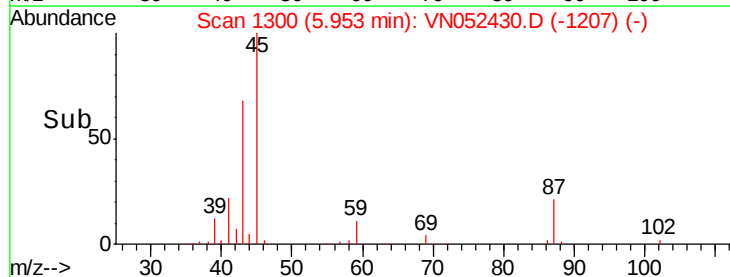
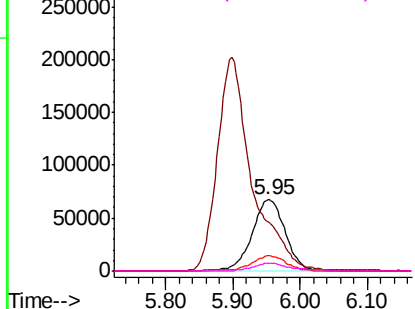


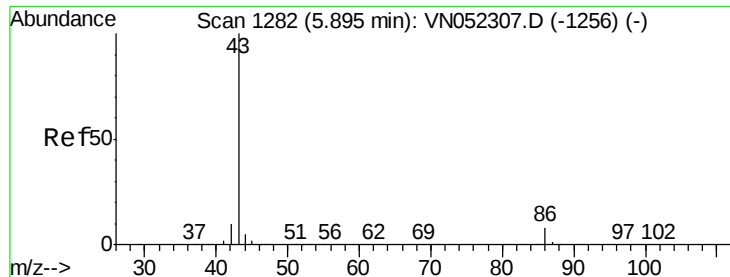
#22
Diisopropyl ether
Concen: 21.161 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 45 Resp: 230673
Ion Ratio Lower Upper
45 100
43 66.5 51.4 77.2
87 21.4 18.8 28.2
59 10.8 8.6 12.8



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





#23

Vinyl Acetate

Concen: 98.090 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

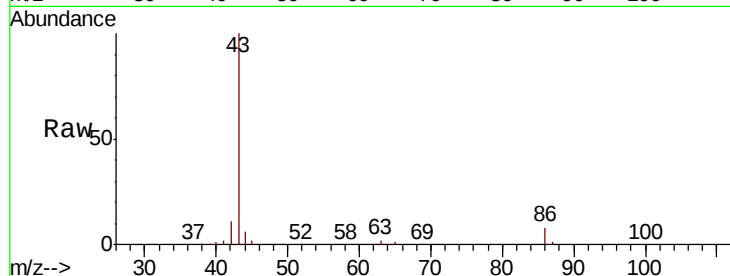
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 725335

Ion Ratio Lower Upper

43 100

86 7.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052430.D (-1282) (-)

Ion 86.00 (85.70 to 86.70): VN052430.D (-1282) (-)

5.90

200000

150000

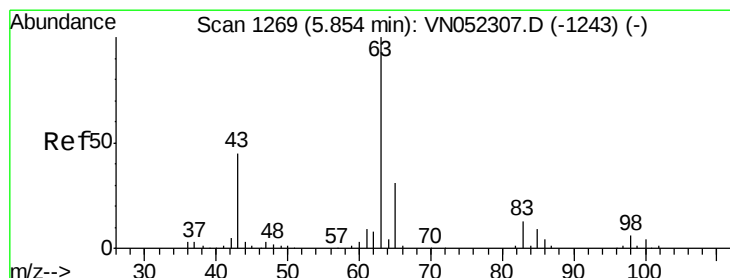
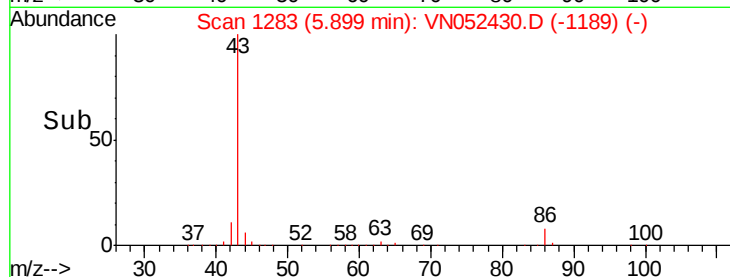
100000

50000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.448 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

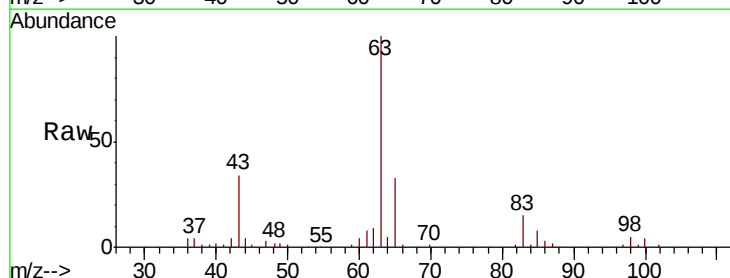
Tgt Ion: 63 Resp: 119519

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.6

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN052430.D (-1269) (-)

Ion 97.90 (97.60 to 98.60): VN052430.D (-1269) (-)

Ion 99.90 (99.60 to 100.60): VN052430.D (-1269) (-)

5.85

50000

40000

30000

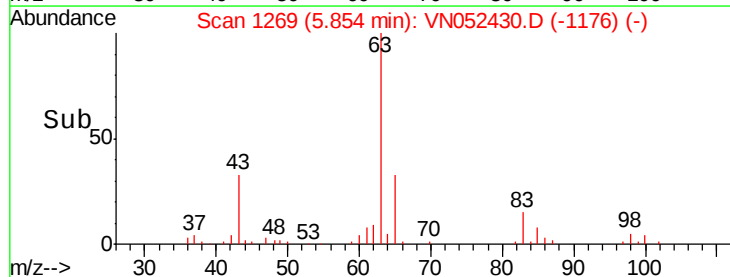
20000

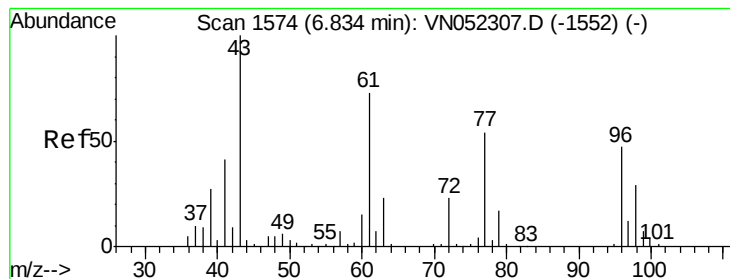
10000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 97.223 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

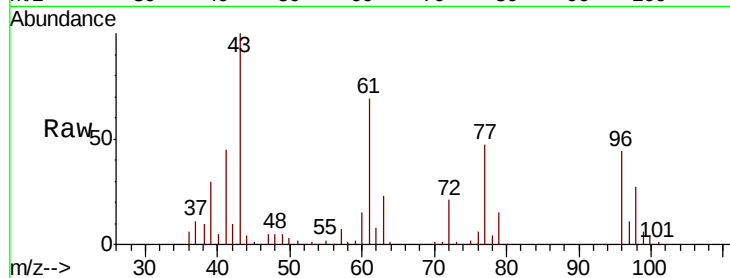
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 134507

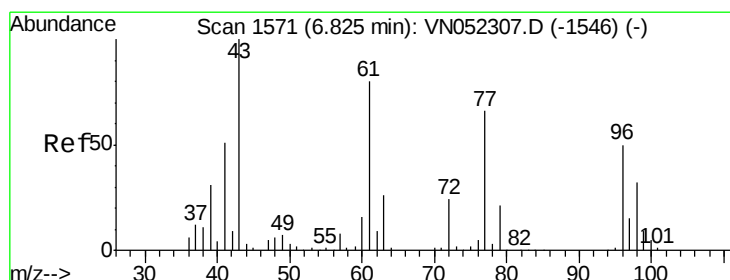
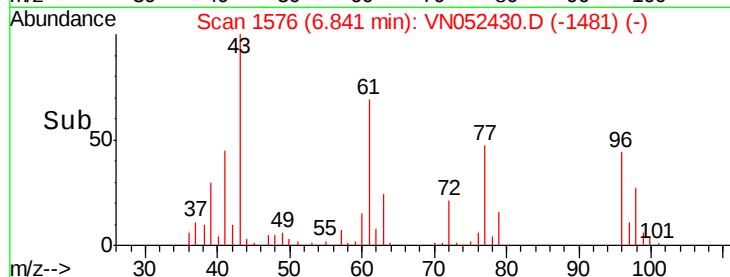
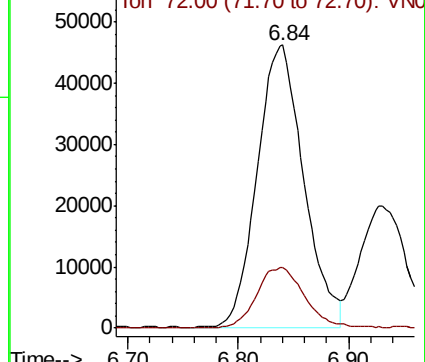
Ion Ratio Lower Upper

43 100

72 21.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1552) (-)



#26

2,2-Dichloropropane

Concen: 19.581 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN052430.D

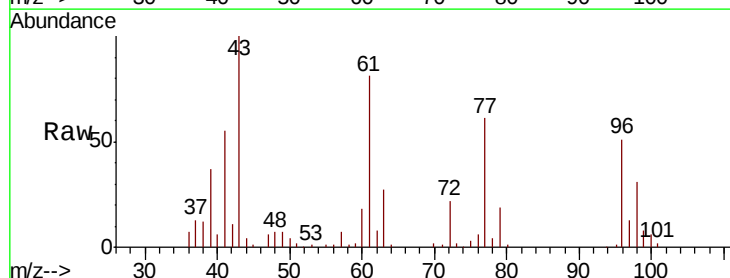
Acq: 21 Nov 2018 11:37

Tgt Ion: 77 Resp: 84158

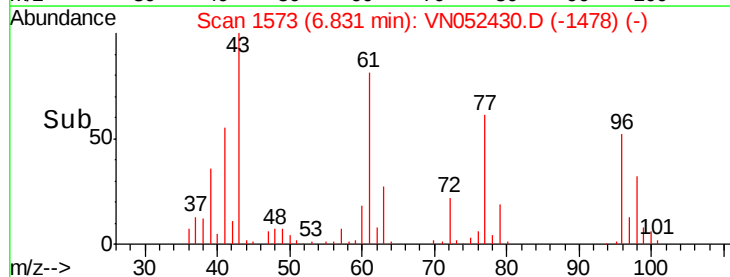
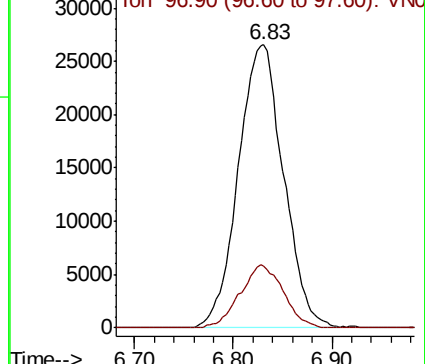
Ion Ratio Lower Upper

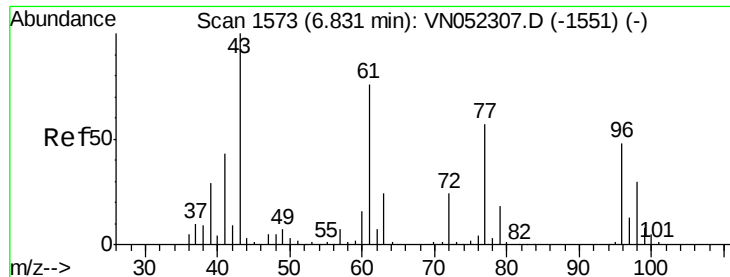
77 100

97 21.3 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VN052307.D (-1546) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.805 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampled :

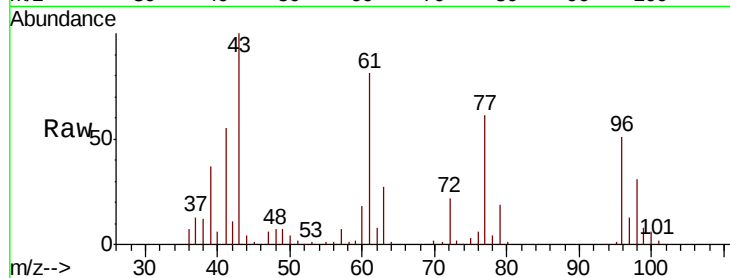
Tot Ion: 96 Resp: 64587

Ion Ratio Lower Upper

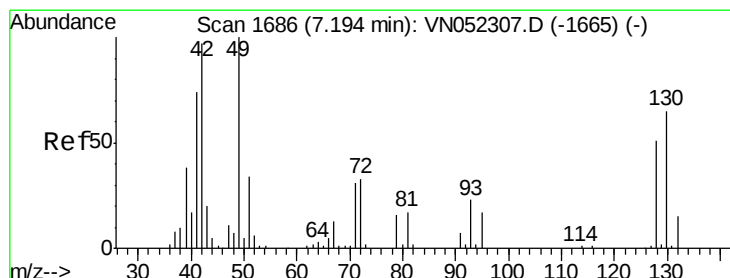
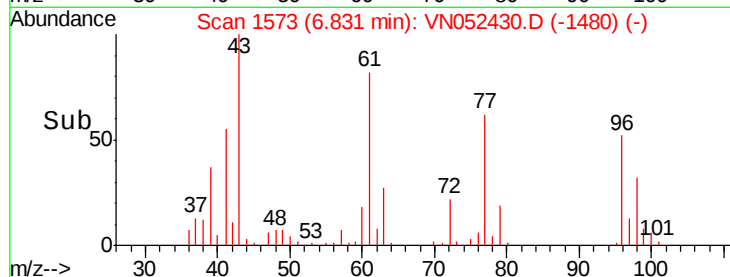
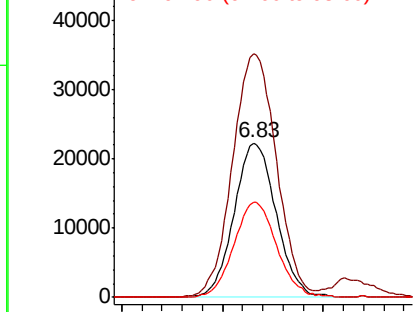
96 100

61 164.4 0.0 316.8

98 62.9 0.0 126.6



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



#28

Bromochloromethane

Concen: 21.561 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

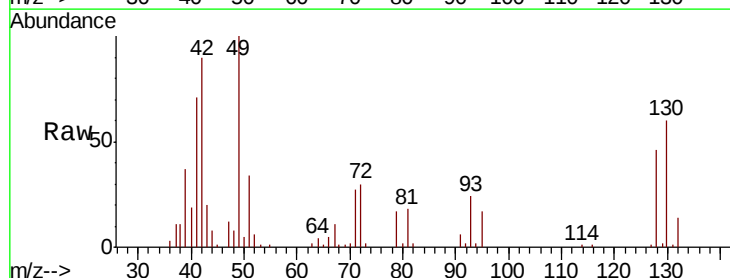
Tgt Ion: 49 Resp: 64801

Ion Ratio Lower Upper

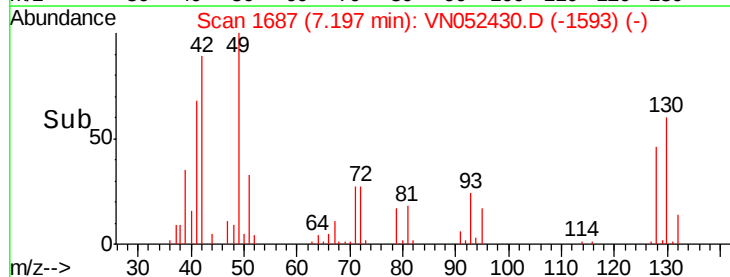
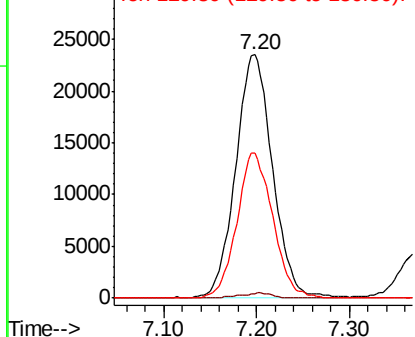
49 100

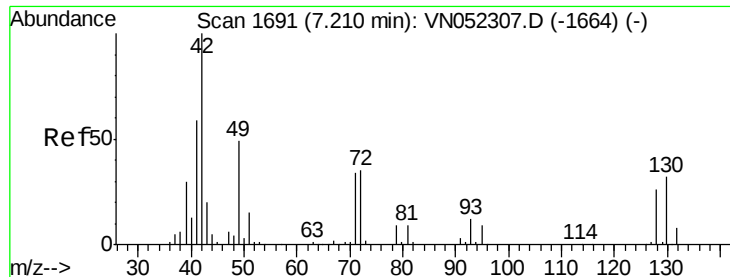
129 1.8 0.0 3.0

130 58.0 50.4 75.6



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

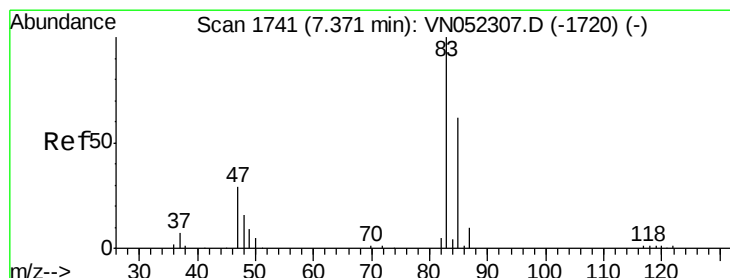
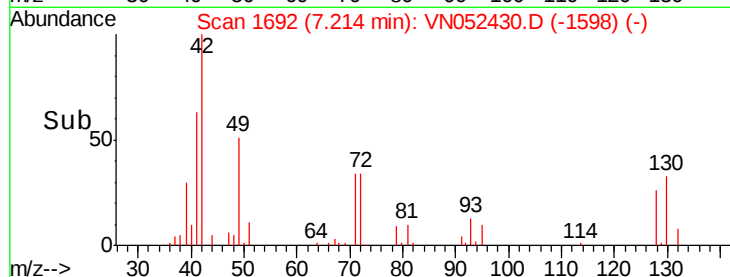
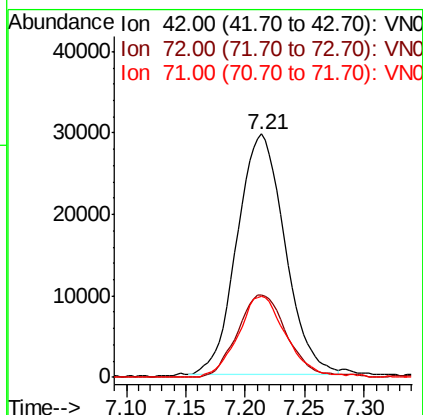
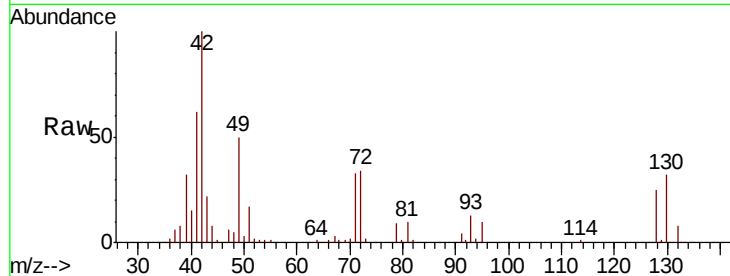




#29
Tetrahydrofuran
Concen: 90.363 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

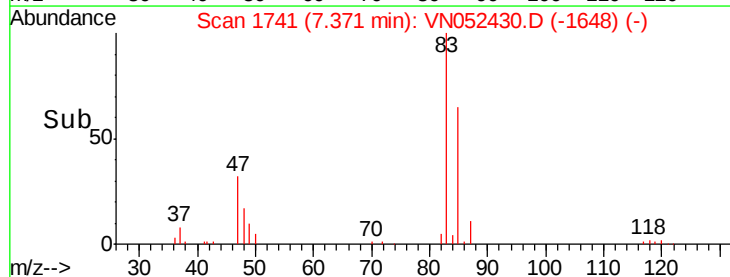
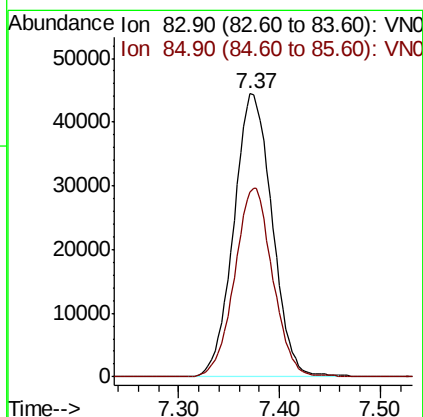
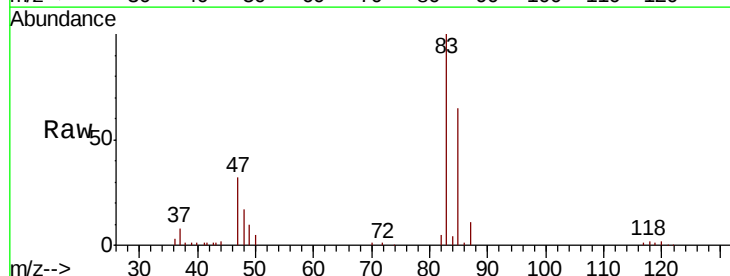
Instrument :
MSVOA_N
ClientSampleId :

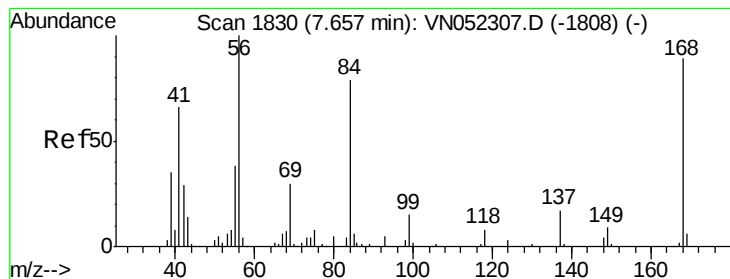
Tot Ion: 42 Resp: 82127
Ion Ratio Lower Upper
42 100
72 35.4 28.6 42.8
71 33.8 26.7 40.1



#30
Chloroform
Concen: 21.037 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 83 Resp: 117186
Ion Ratio Lower Upper
83 100
85 65.4 49.4 74.2





#31

Cyclohexane

Concen: 19.697 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampled :

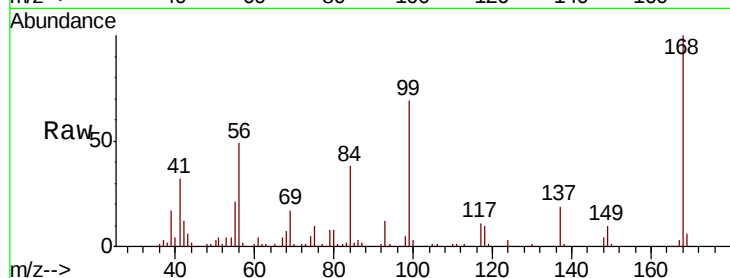
Tot Ion: 56 Resp: 110381

Ion Ratio Lower Upper

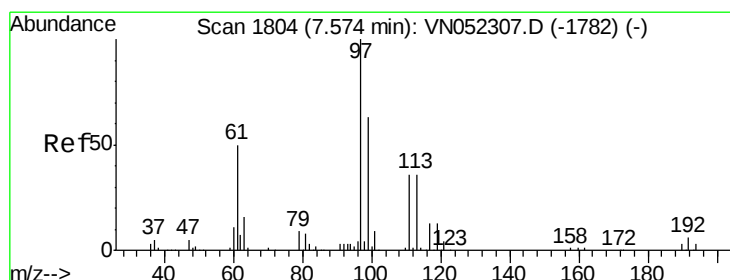
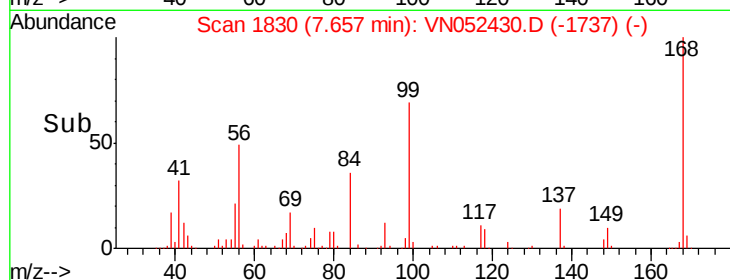
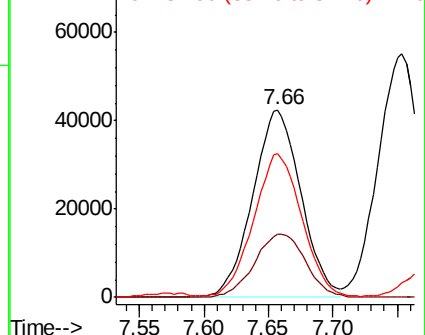
56 100

69 33.5 23.8 35.8

84 75.6 63.0 94.6



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: 20.972 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

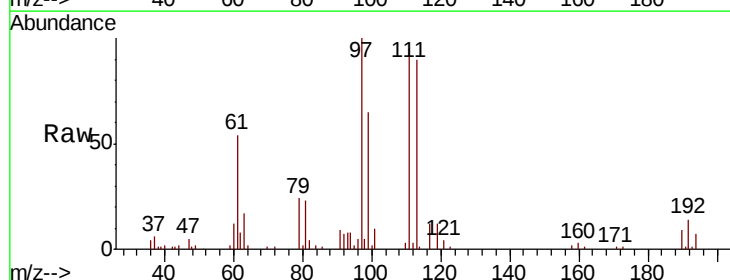
Tgt Ion: 97 Resp: 99518

Ion Ratio Lower Upper

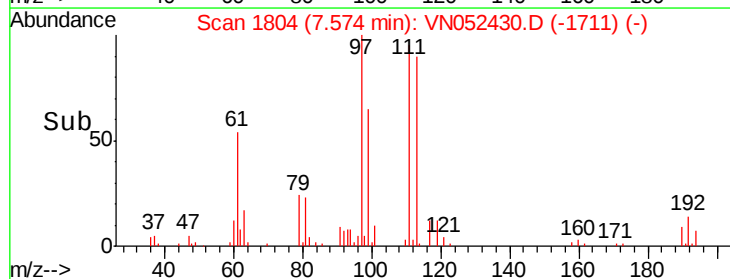
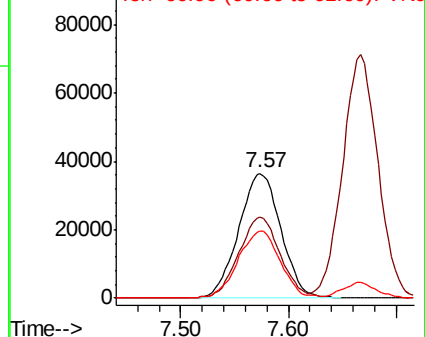
97 100

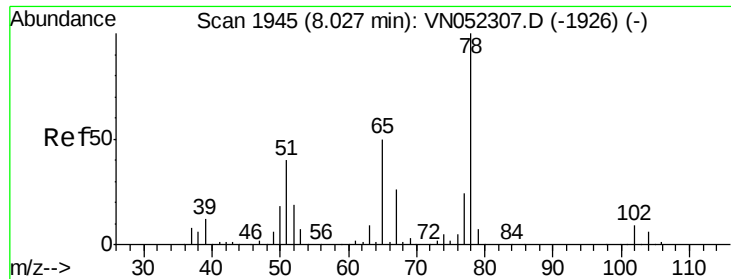
99 63.0 50.2 75.2

61 53.6 40.2 60.4



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

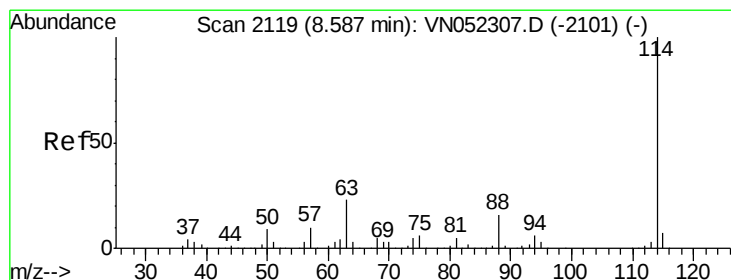
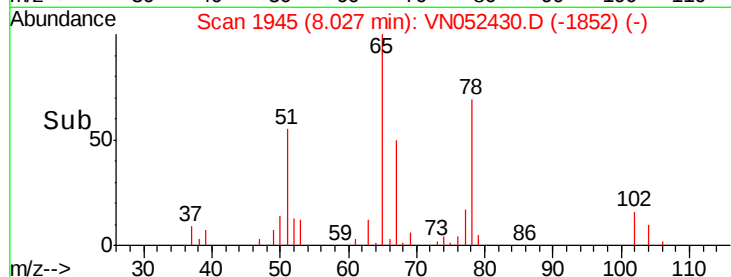
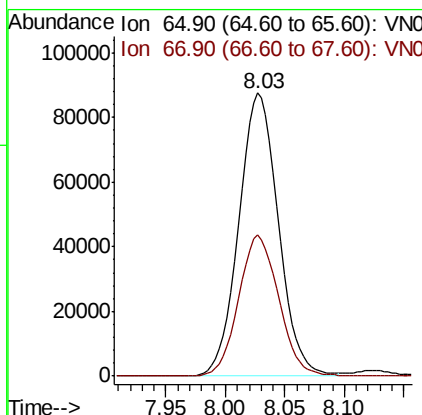
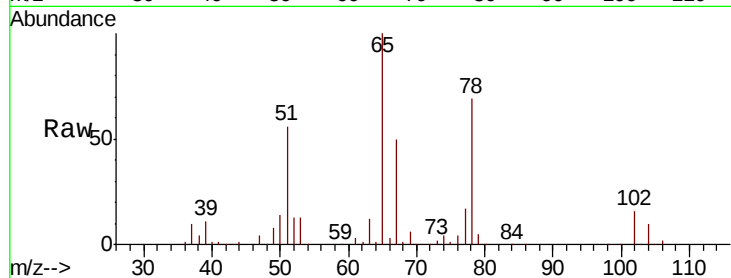




#33
 1,2-Dichloroethane-d4
 Concen: 20.972 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

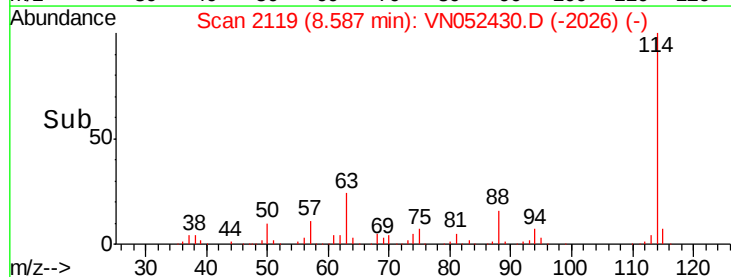
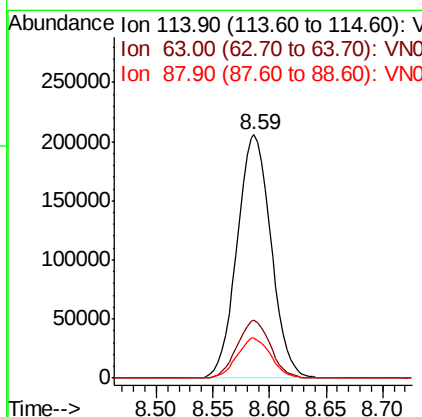
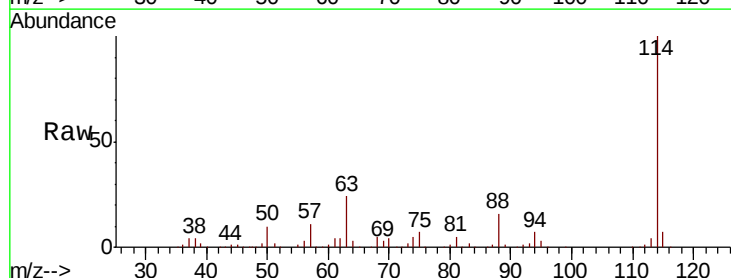
Instrument :
 MSVOA_N
 ClientSampleId :

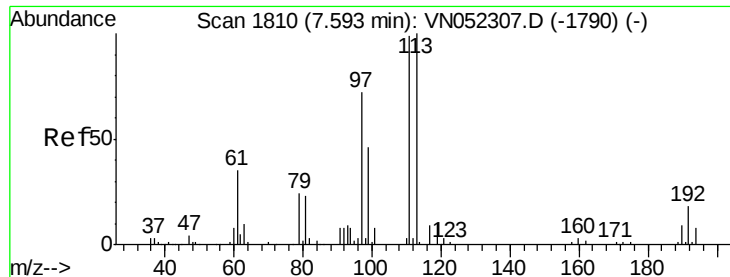
Tot Ion: 65 Resp: 202013
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 114 Resp: 430149
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.4
 88 16.4 0.0 31.2

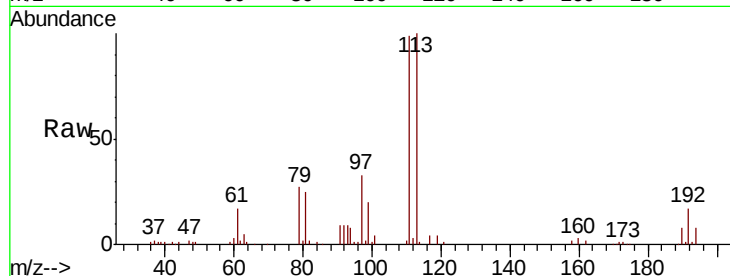




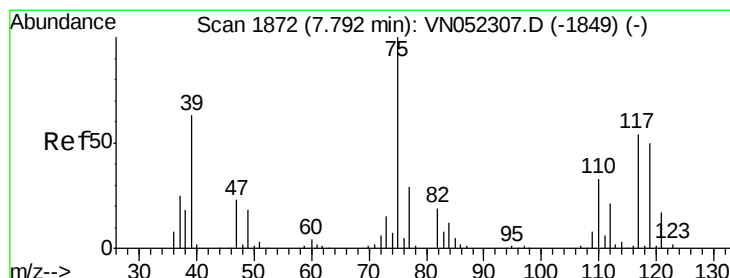
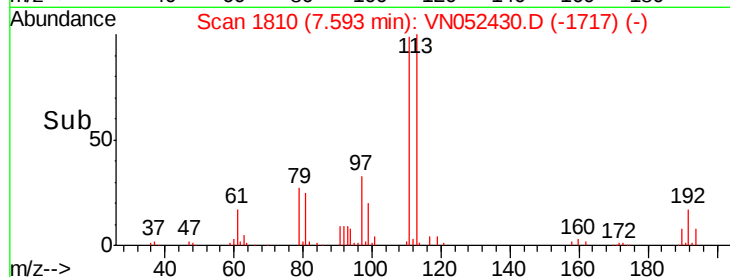
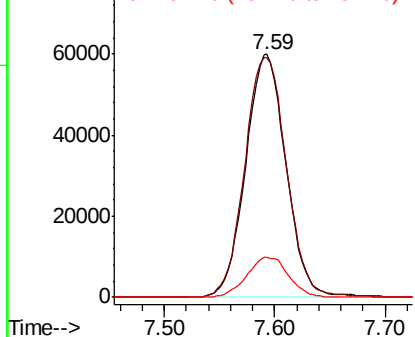
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 150980
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.0 121.6
 192 17.2 13.8 20.6

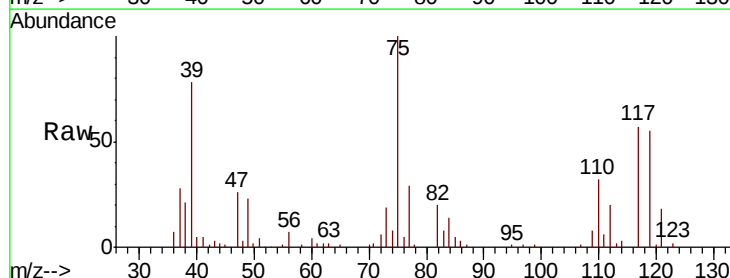


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

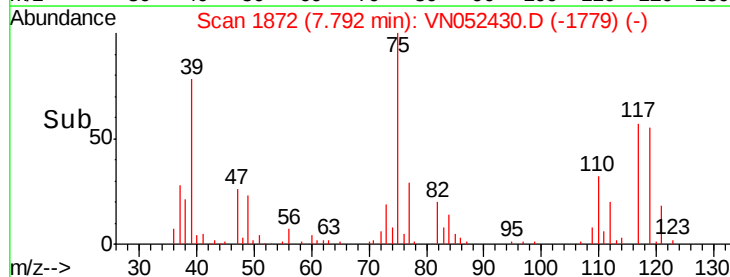
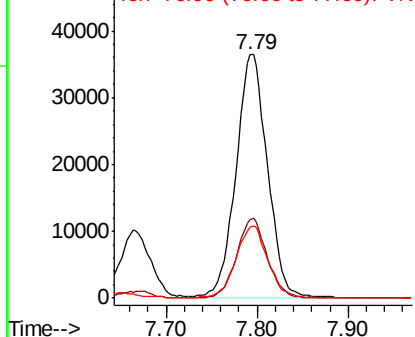


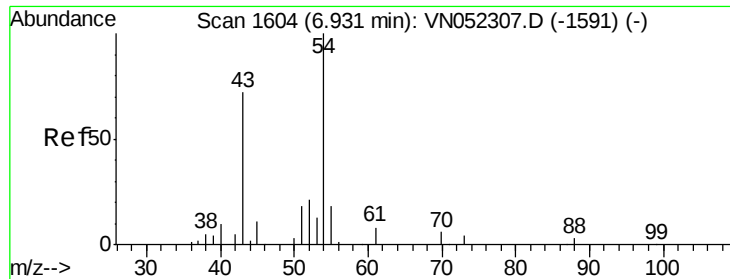
#36
 1,1-Dichloropropene
 Concen: 20.355 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 75 Resp: 87759
 Ion Ratio Lower Upper
 75 100
 110 31.7 16.5 49.5
 77 29.9 24.2 36.2



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

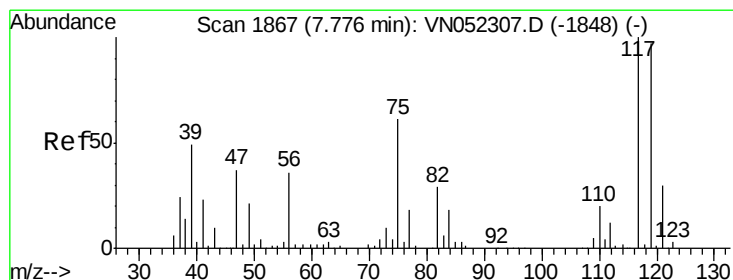
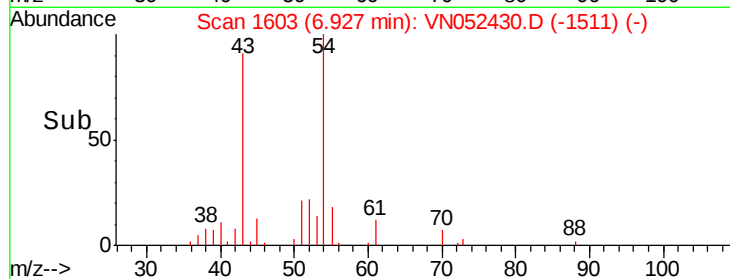
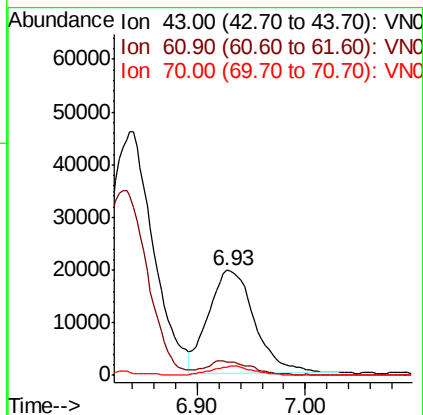
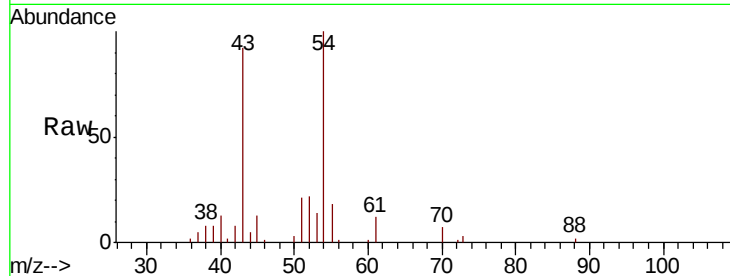




#37
Ethyl Acetate
Concen: 18.766 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

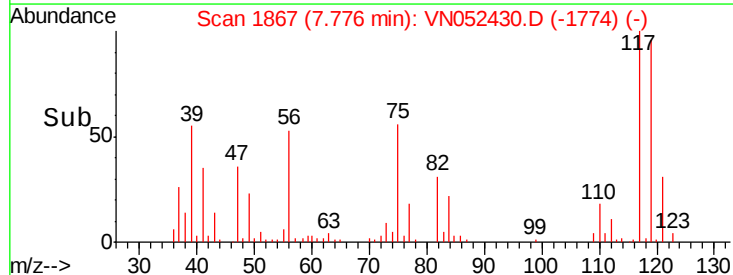
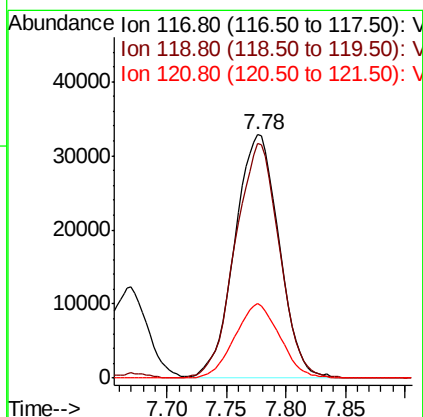
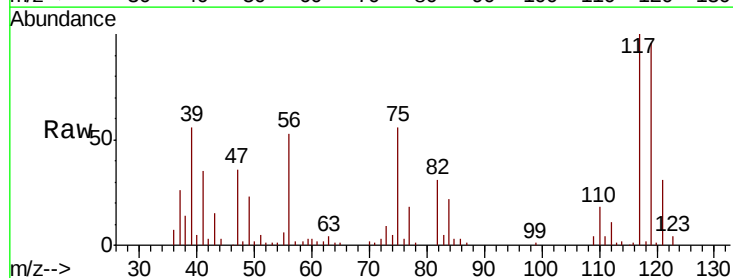
Instrument :
MSVOA_N
ClientSampled :

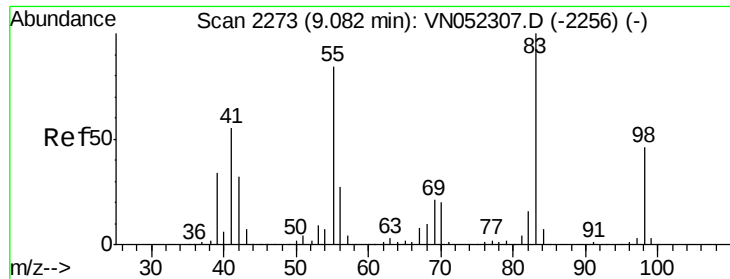
Tot Ion: 43 Resp: 58718
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 8.1 5.6 8.4



#38
Carbon Tetrachloride
Concen: 21.353 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 117 Resp: 84580
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 30.7 24.0 36.0

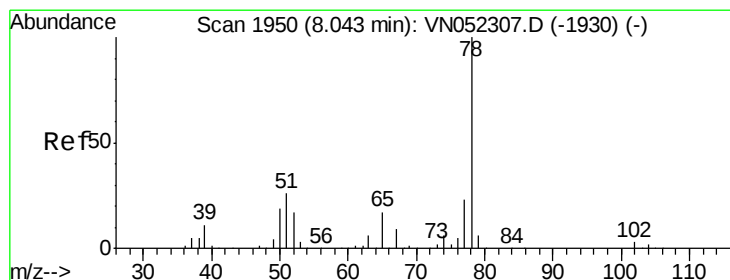
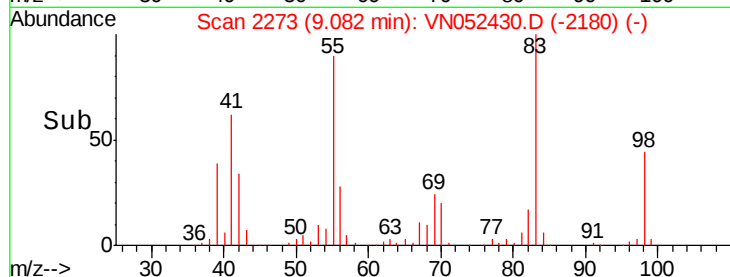
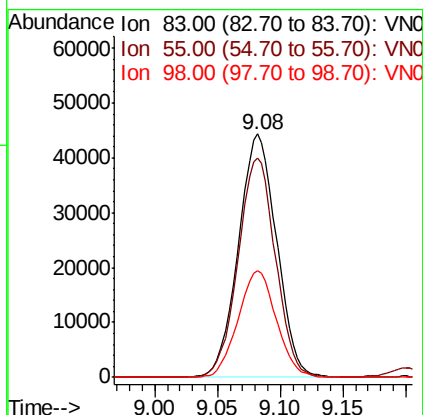
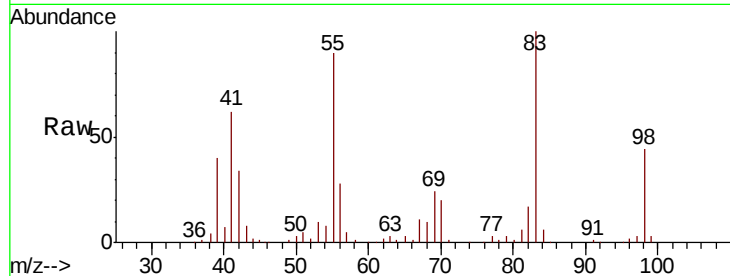




#39
Methvlcvclohexane
Concen: 19.045 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

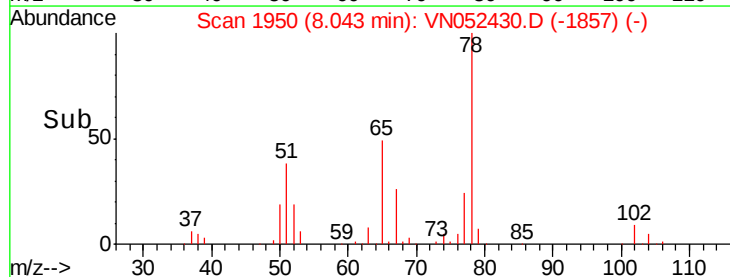
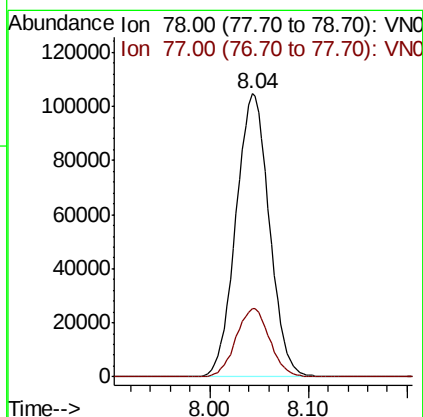
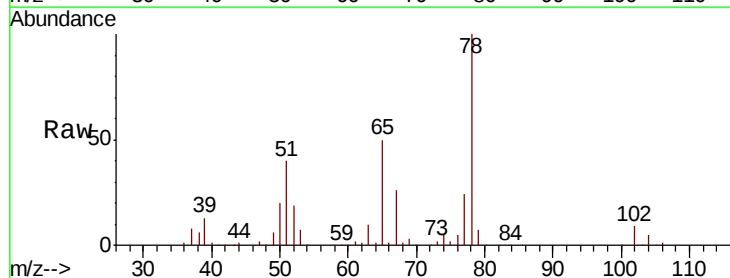
Instrument :
MSVOA_N
ClientSampled :

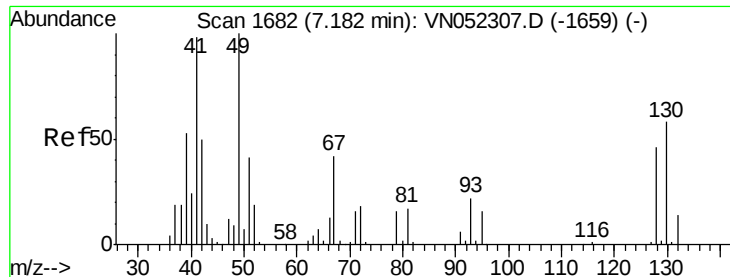
Tot Ion: 83 Resp: 93736
Ion Ratio Lower Upper
83 100
55 90.1 66.8 100.2
98 43.7 36.4 54.6



#40
Benzene
Concen: 19.984 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 78 Resp: 246134
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

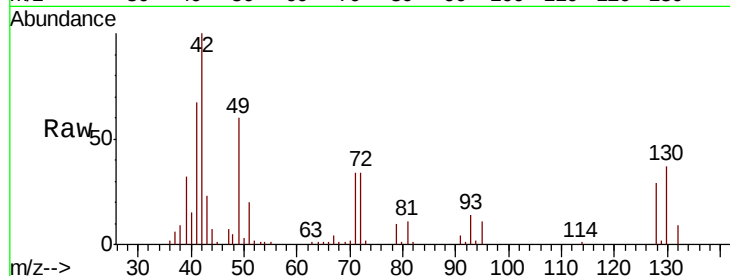




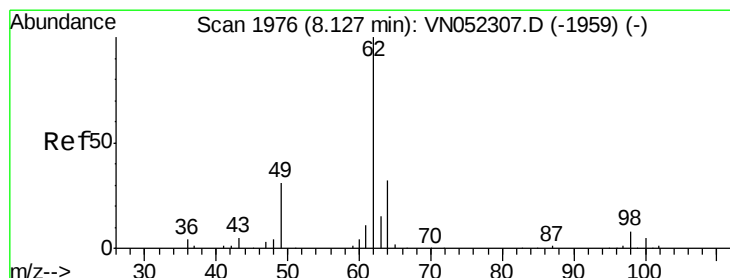
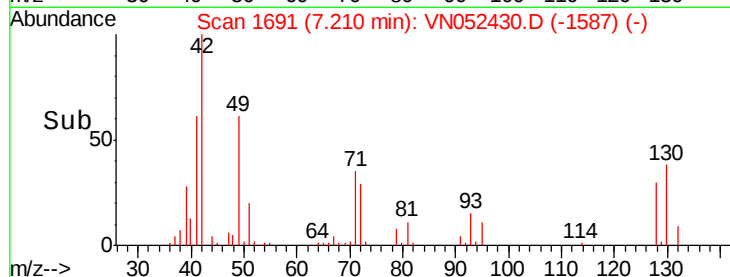
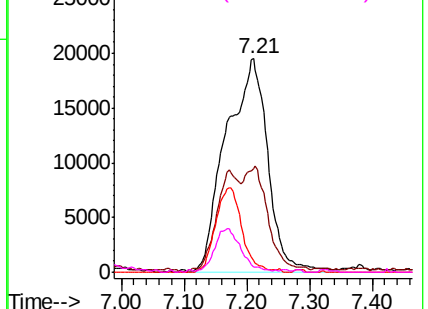
#41
Methacrylonitrile
Concen: 51.774 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	90218
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

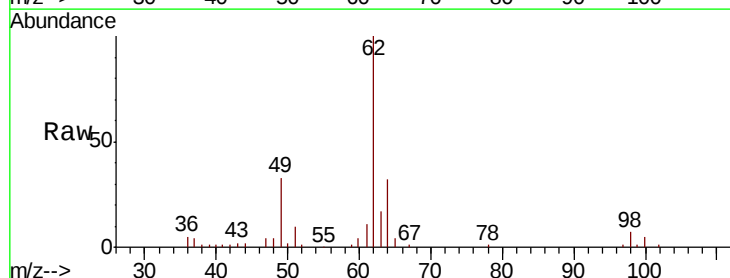


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

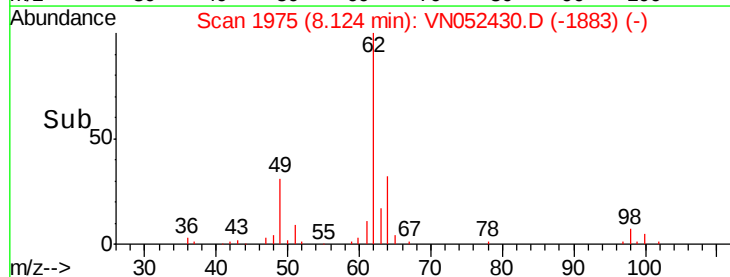
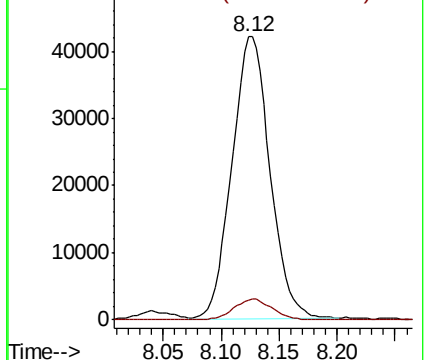


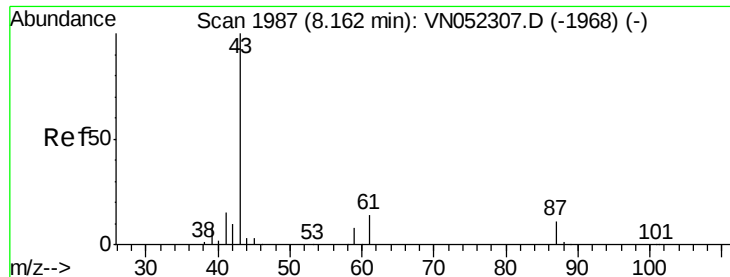
#42
1,2-Dichloroethane
Concen: 21.677 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:	62	Resp:	95205
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 18.272 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

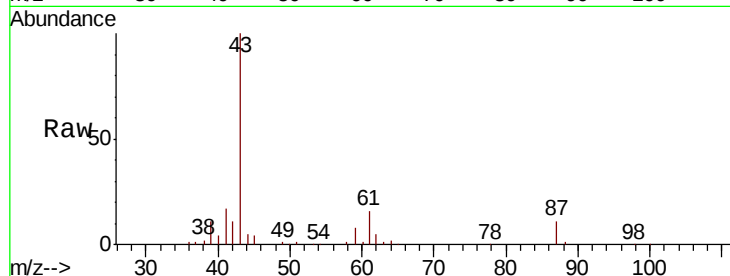
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 110323

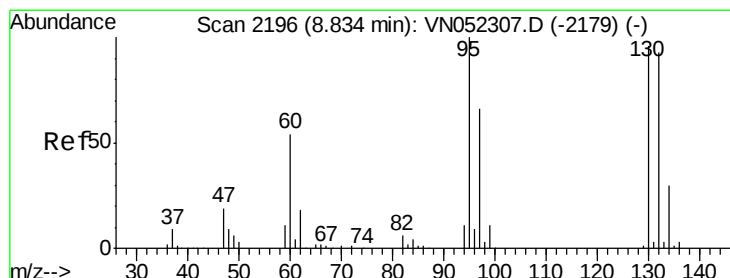
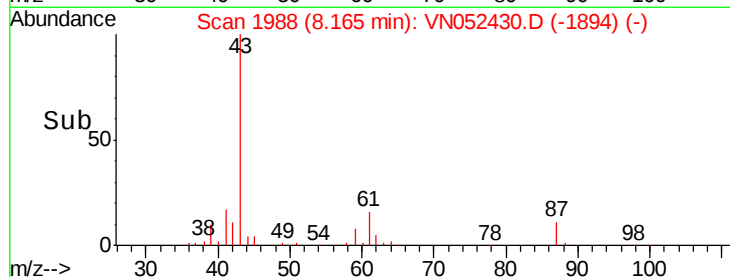
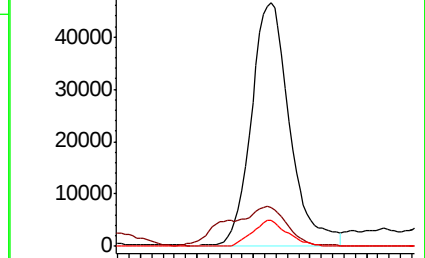
Ion	Ratio	Lower	Upper
43	100		
61	25.4	12.0	18.0#
87	9.8	8.3	12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052430.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052430.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052430.D (-1968) (-)



#44

Trichloroethene

Concen: 19.733 ug/l

RT: 8.84 min Scan# 2197

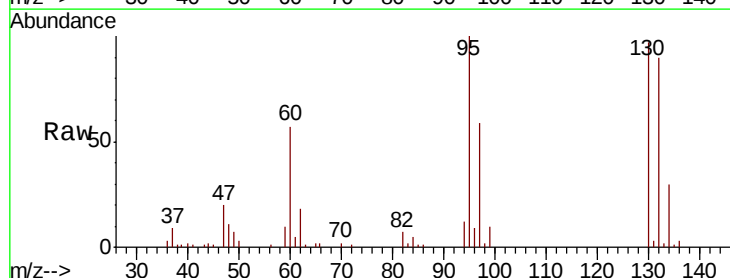
Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

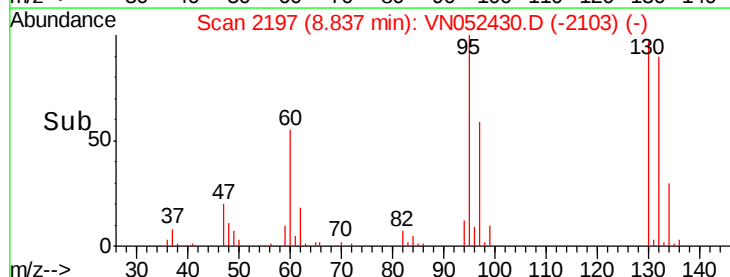
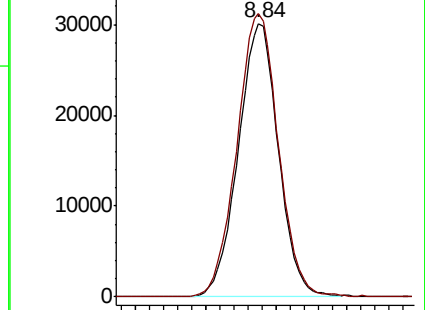
Tgt Ion:130 Resp: 59868

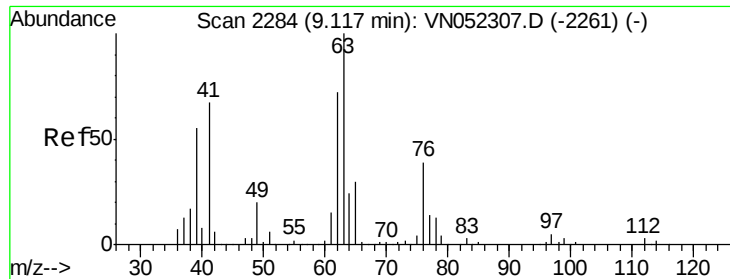
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052430.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN052430.D (-2103) (-)

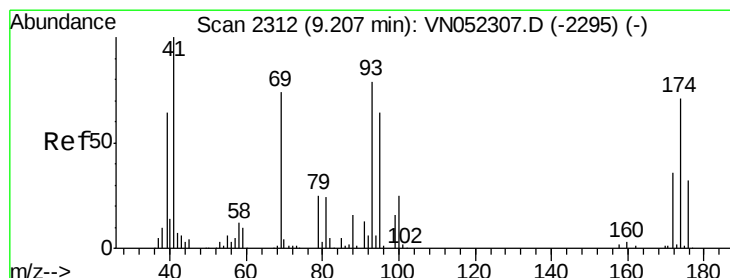
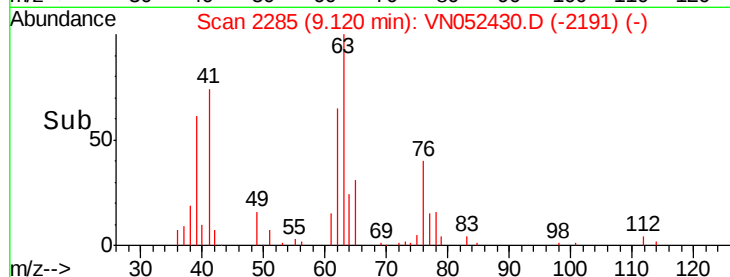
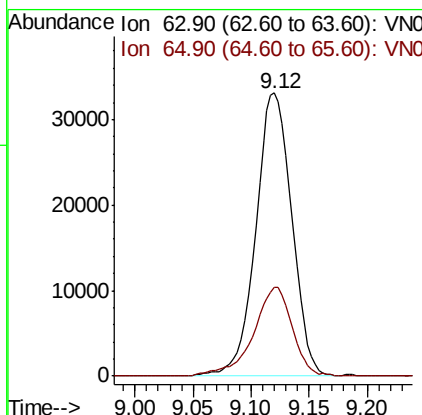
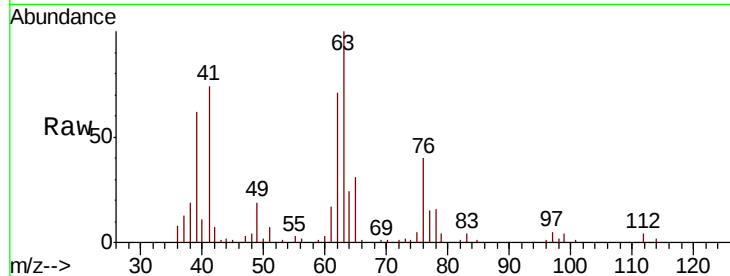




#45
 1,2-Dichloropropane
 Concen: 20.463 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

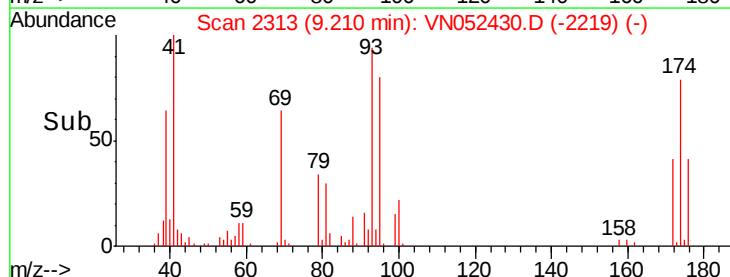
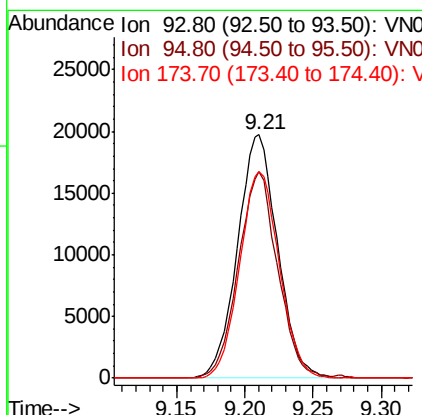
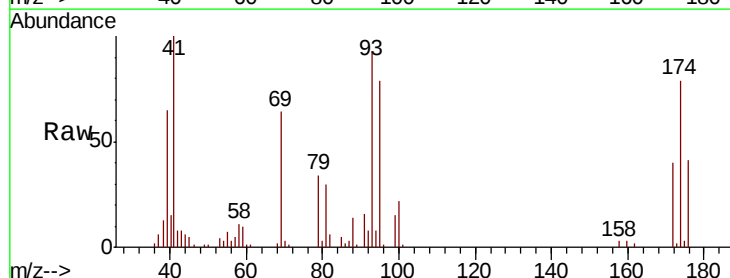
Instrument :
 MSVOA_N
 ClientSampleId :

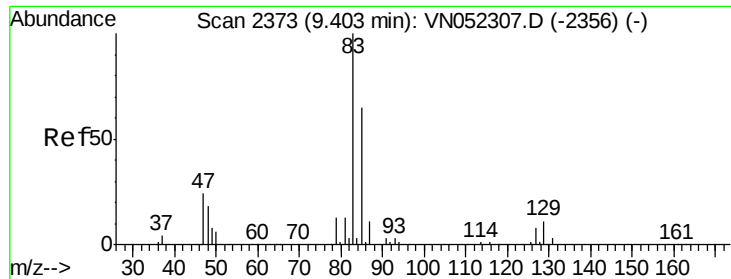
Tot Ion: 63 Resp: 71527
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4



#46
 Dibromomethane
 Concen: 19.906 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 93 Resp: 40280
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.2 96.2
 174 83.9 70.9 106.3





#47

Bromodichloromethane

Concen: 21.617 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

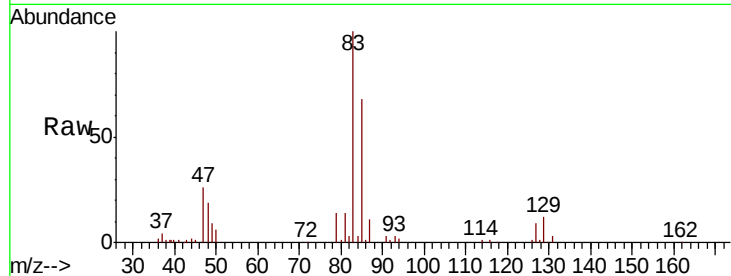
Tot Ion: 83 Resp: 89761

Ion Ratio Lower Upper

83 100

85 68.0 52.2 78.4

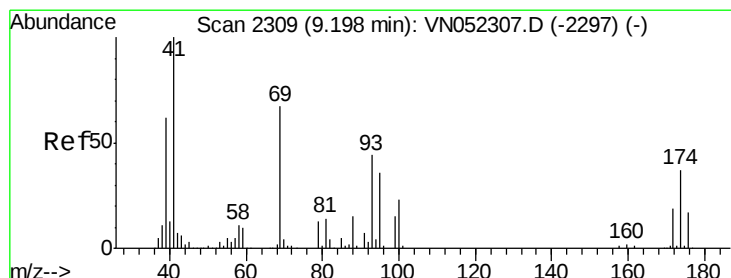
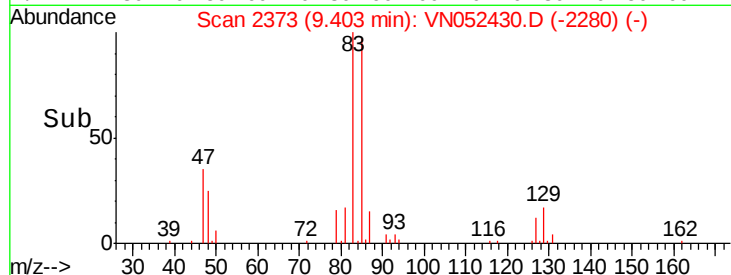
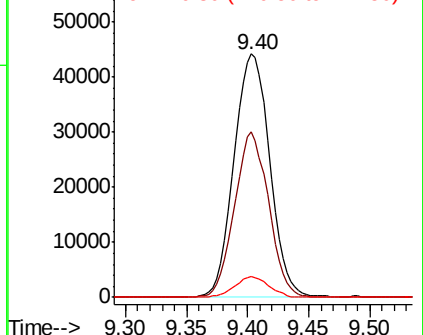
127 8.6 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052430.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052430.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052430.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.292 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

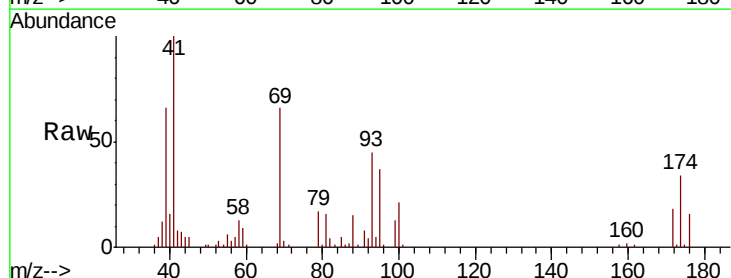
Tgt Ion: 41 Resp: 56040

Ion Ratio Lower Upper

41 100

69 66.6 57.1 85.7

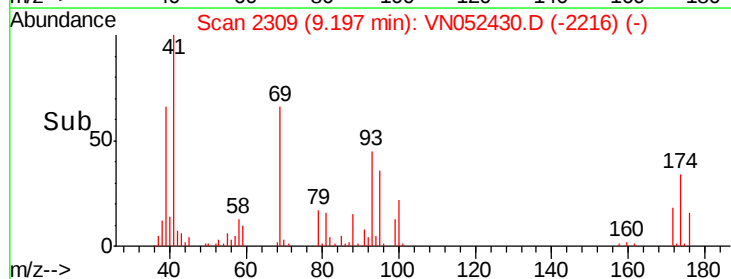
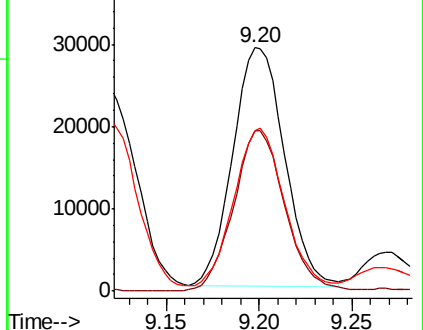
39 66.9 52.5 78.7

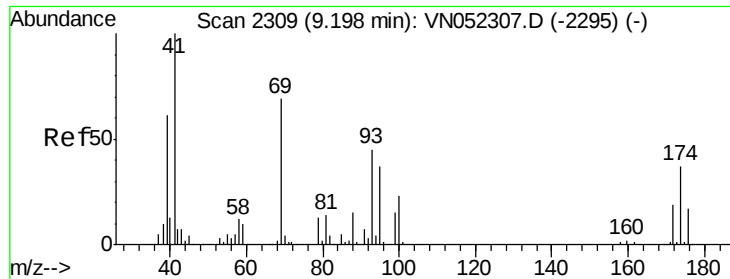


Abundance Ion 41.00 (40.70 to 41.70): VN052430.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052430.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052430.D (-2216) (-)





#49

1,4-Dioxane

Concen: 378.637 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

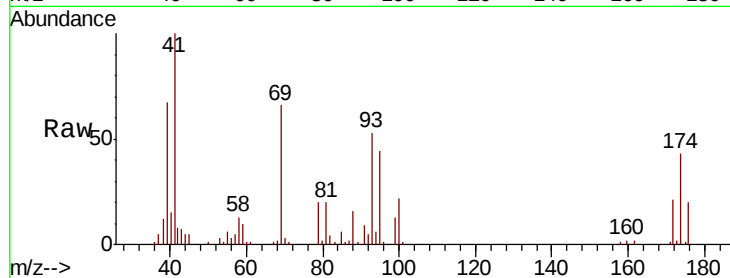
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 88 Resp: 8905

Ion	Ratio	Lower	Upper
88	100		
43	43.3	33.3	49.9
58	83.4	59.2	88.8

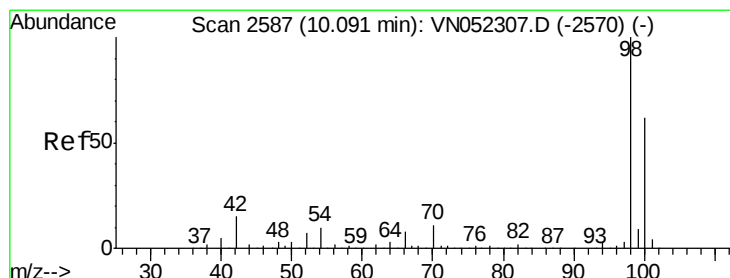
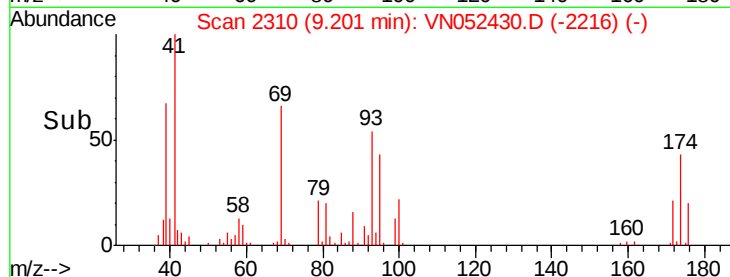
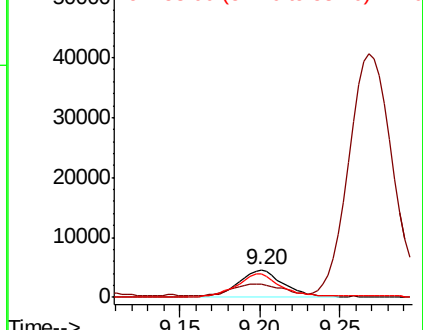


Abundance

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: 378.637 ug/l

RT: 10.09 min Scan# 2587

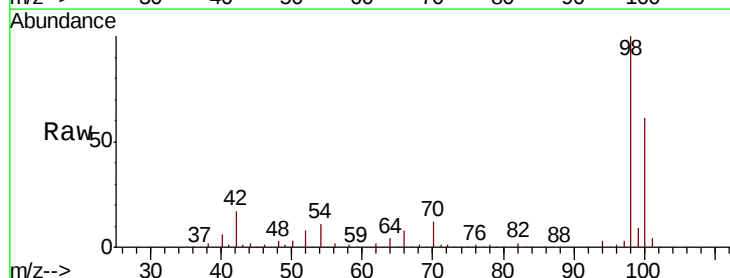
Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion: 98 Resp: 556606

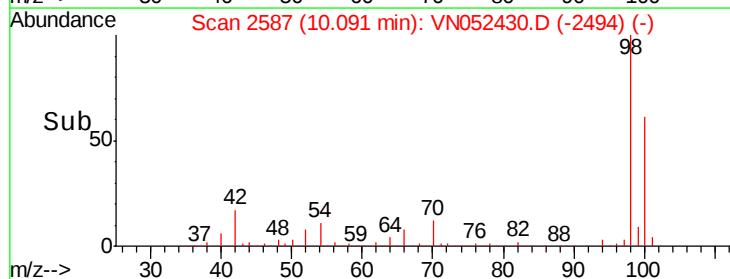
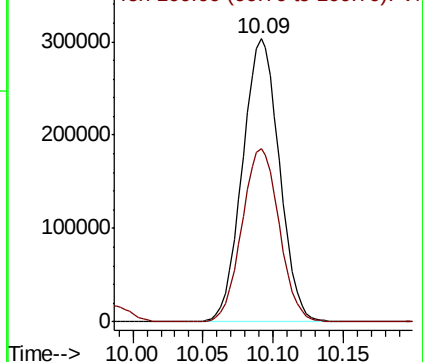
Ion	Ratio	Lower	Upper
98	100		
100	61.7	49.5	74.3



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: 97.396 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

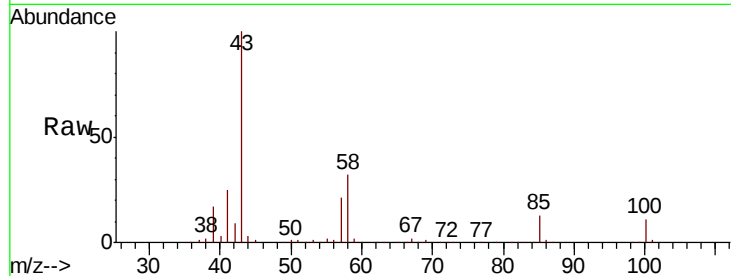
ClientSampled :

Tot Ion: 43 Resp: 296012

Ion Ratio Lower Upper

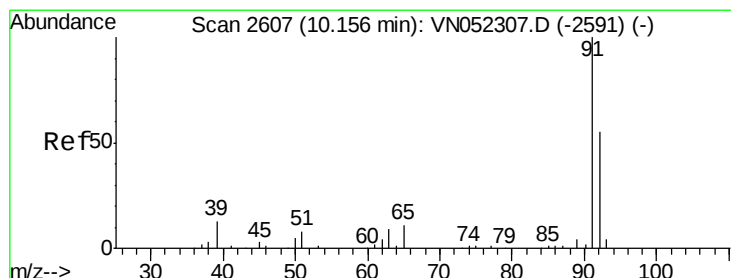
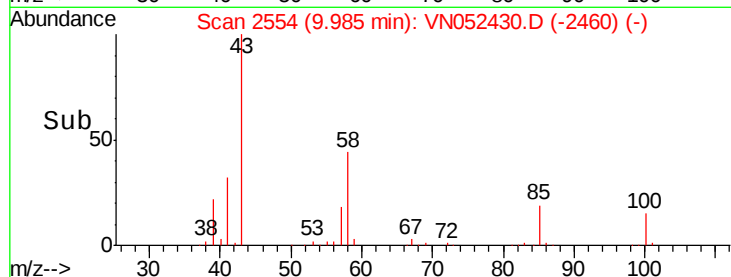
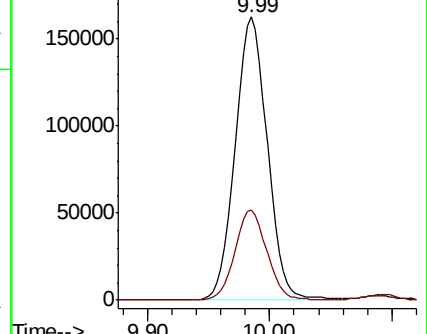
43 100

58 31.8 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.139 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052430.D

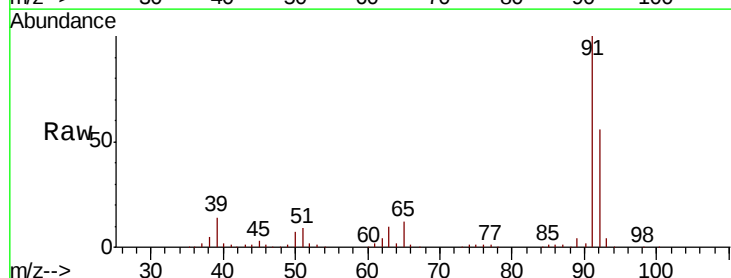
Acq: 21 Nov 2018 11:37

Tgt Ion: 92 Resp: 148384

Ion Ratio Lower Upper

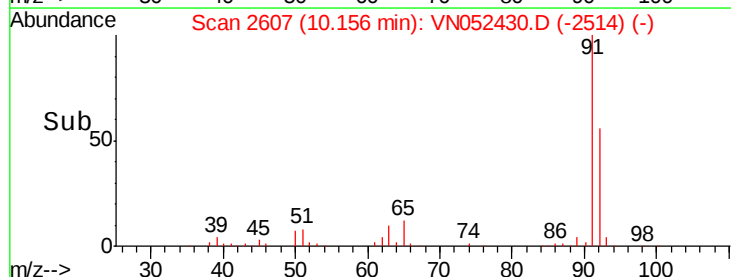
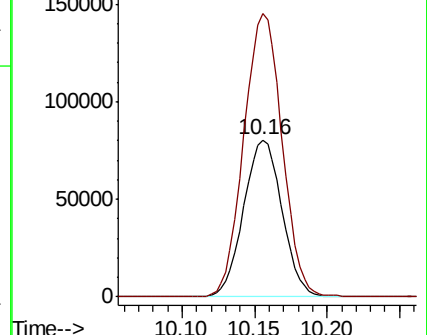
92 100

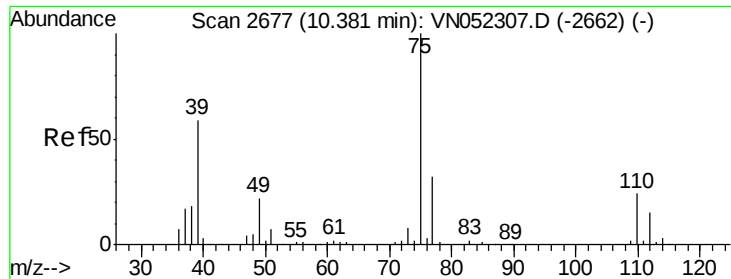
91 179.9 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.726 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

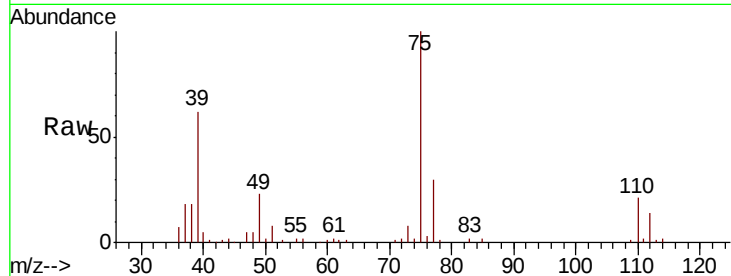
ClientSampled :

Tot Ion: 75 Resp: 82610

Ion Ratio Lower Upper

75 100

77 29.2 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

50000

40000

30000

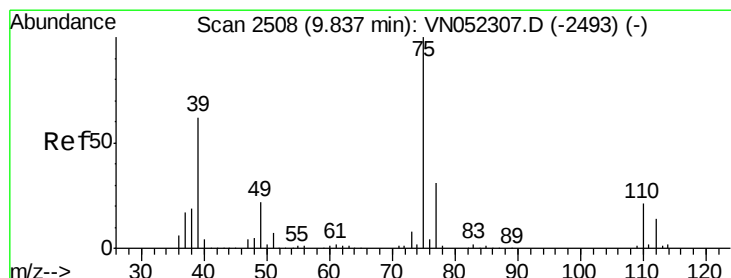
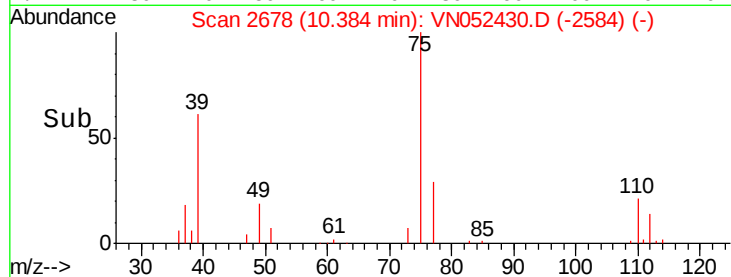
20000

10000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 20.315 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

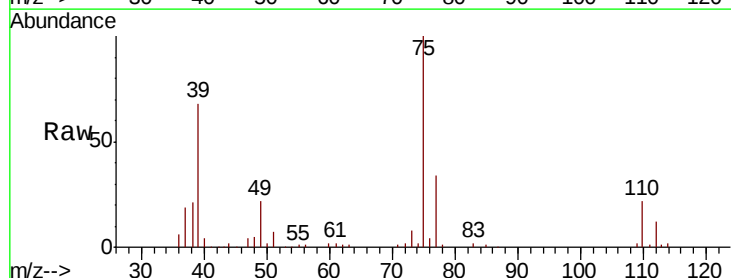
Tgt Ion: 75 Resp: 96987

Ion Ratio Lower Upper

75 100

77 33.6 24.6 36.8

39 67.2 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

60000

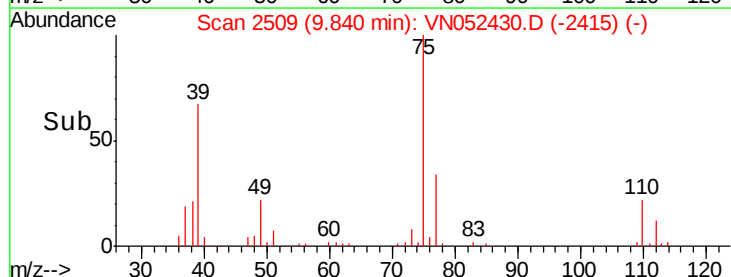
40000

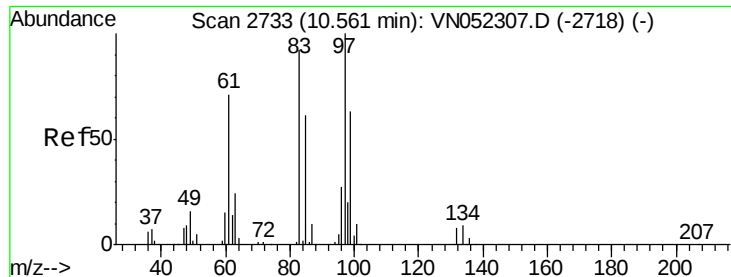
20000

0

Time-->

9.75 9.80 9.85 9.90

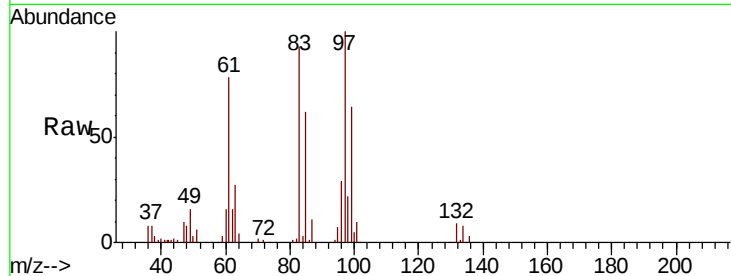




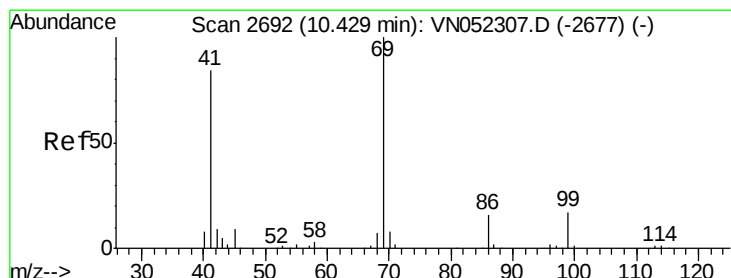
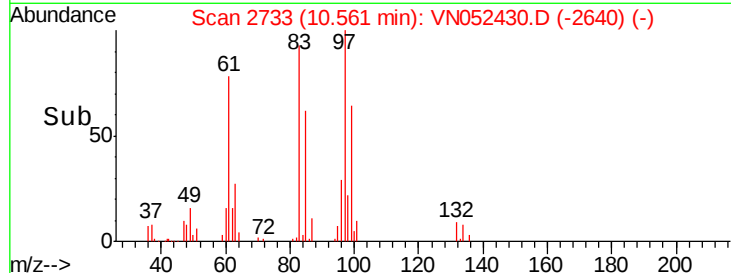
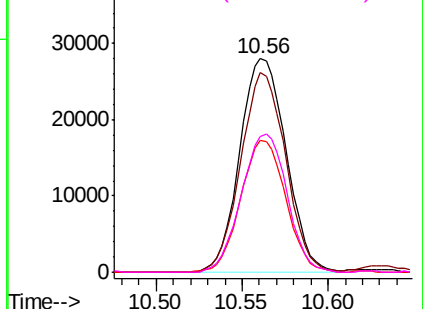
#55
 1,1,2-Trichloroethane
 Concen: 19.593 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 52333
 Ion Ratio Lower Upper
 97 100
 83 93.3 73.8 110.6
 85 61.9 49.0 73.4
 99 63.7 50.5 75.7

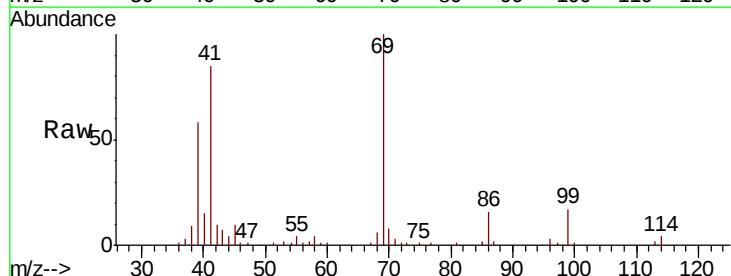


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

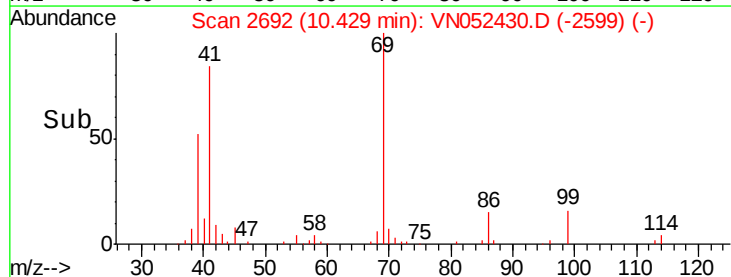
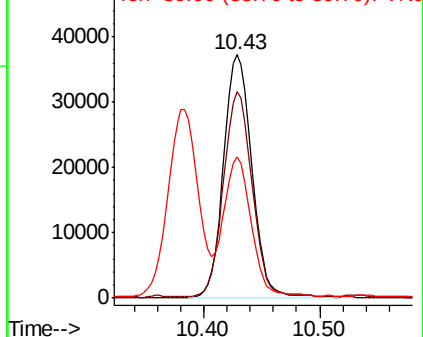


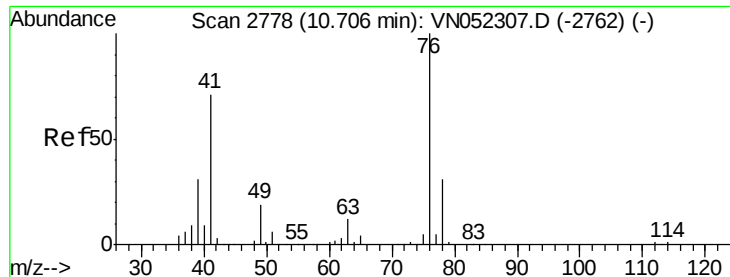
#56
 Ethyl methacrylate
 Concen: 17.954 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 69 Resp: 63066
 Ion Ratio Lower Upper
 69 100
 41 84.2 64.8 97.2
 39 56.1 41.0 61.6



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

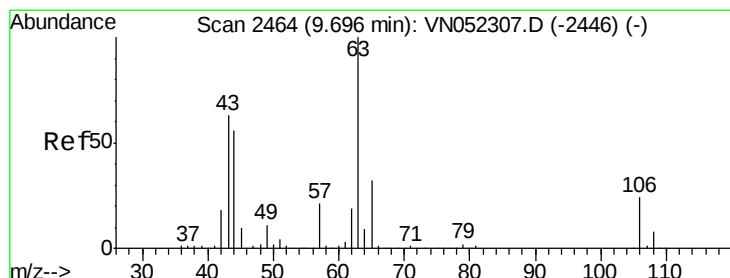
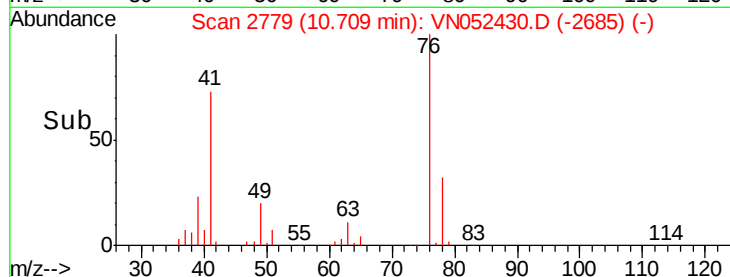
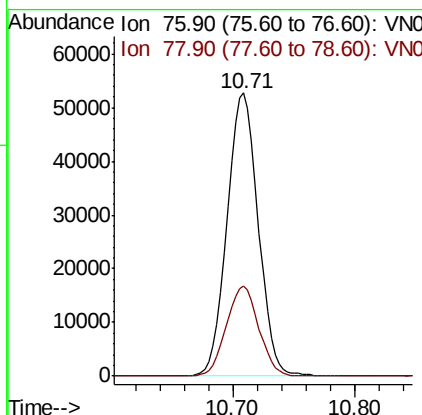
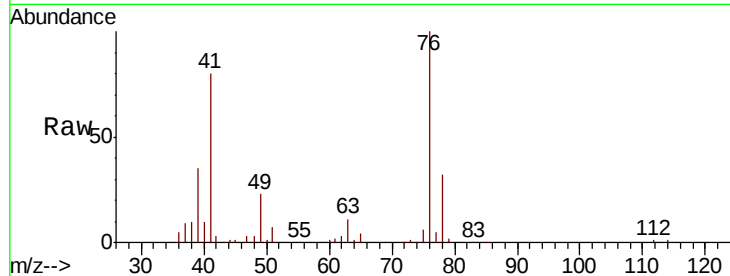




#57
 1,3-Dichloropropane
 Concen: 19.889 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

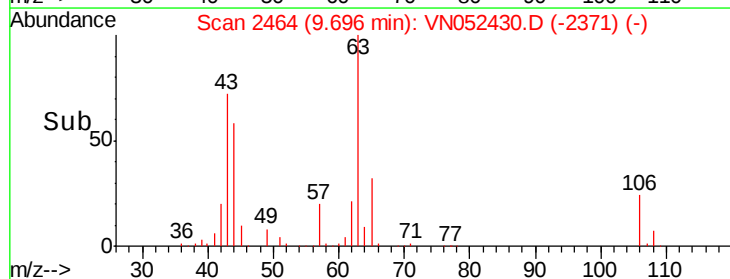
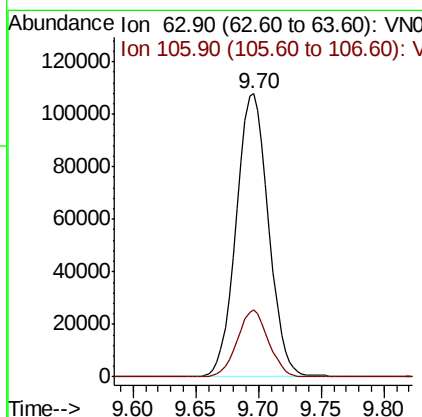
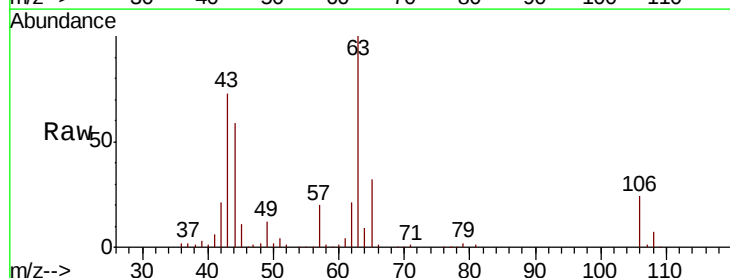
Instrument :
 MSVOA_N
 ClientSampled :

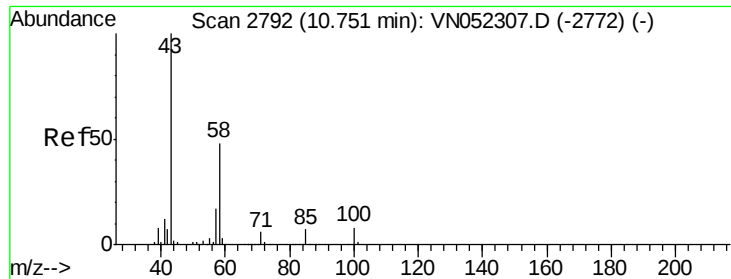
Tot Ion: 76 Resp: 94095
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.622 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 63 Resp: 193232
 Ion Ratio Lower Upper
 63 100
 106 22.8 19.3 28.9

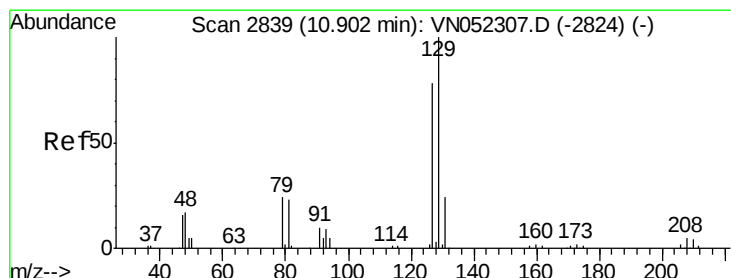
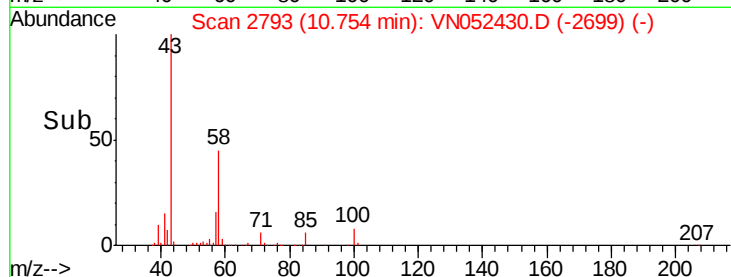
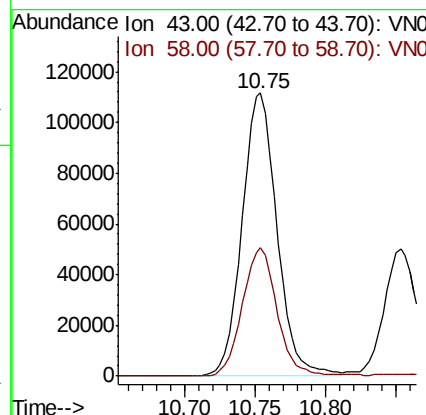
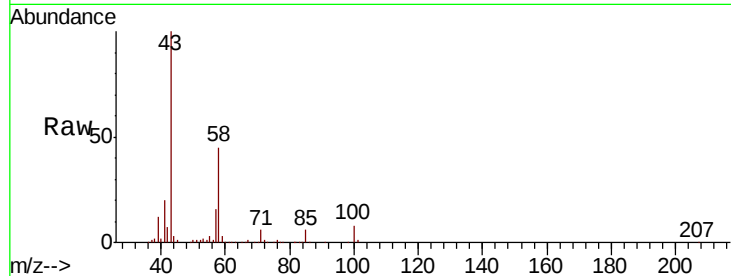




#59
2-Hexanone
Concen: 92.144 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

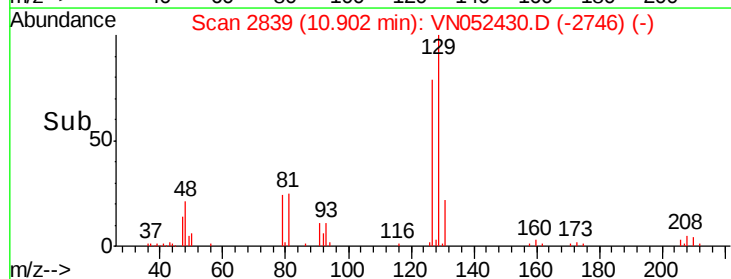
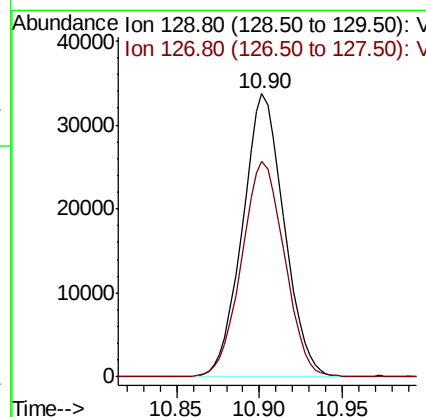
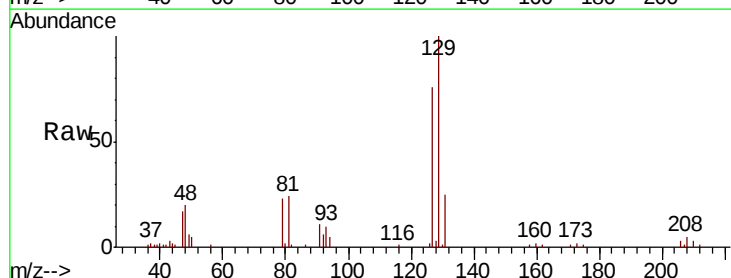
Instrument :
MSVOA_N
ClientSampleId :

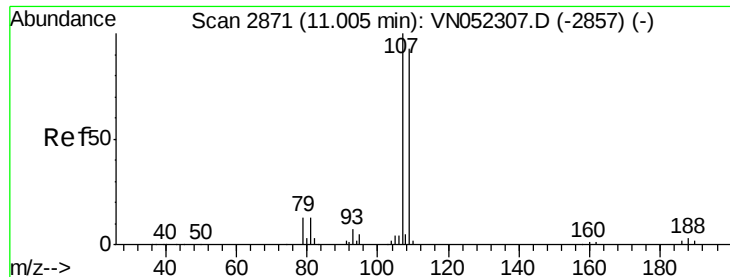
Tot Ion: 43 Resp: 192628
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.6



#60
Dibromochloromethane
Concen: 20.333 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 129 Resp: 58759
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5

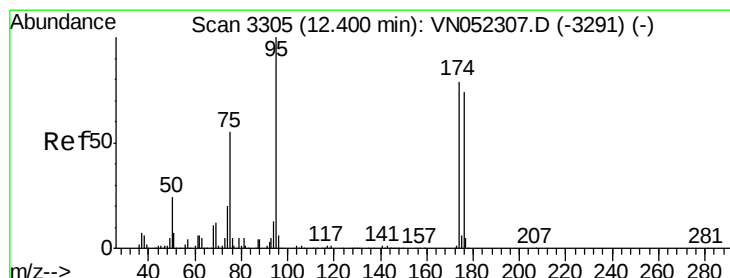
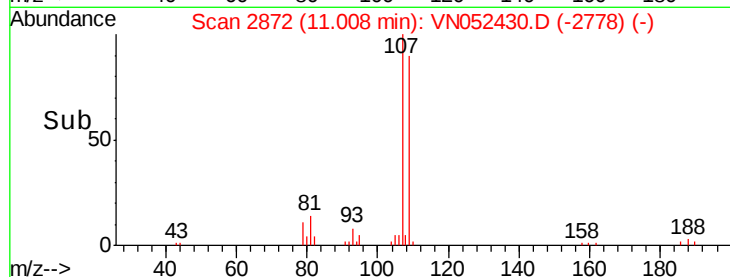
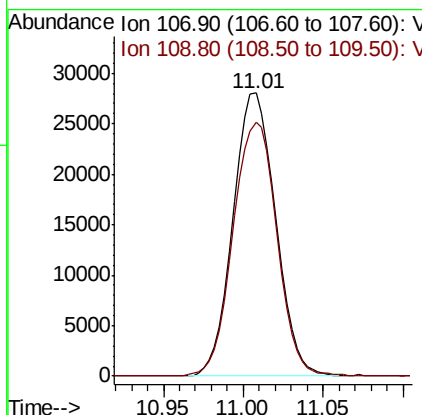
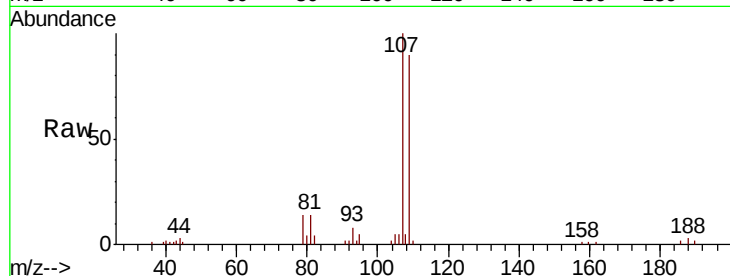




#61
 1,2-Dibromoethane
 Concen: 19.132 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

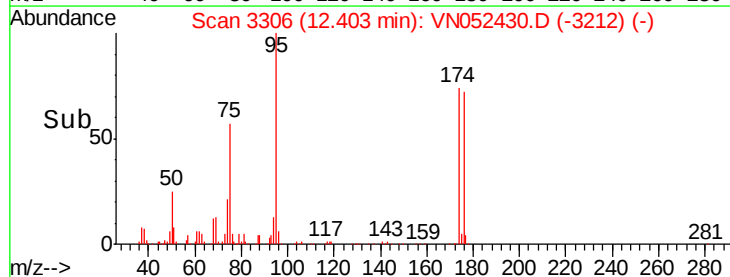
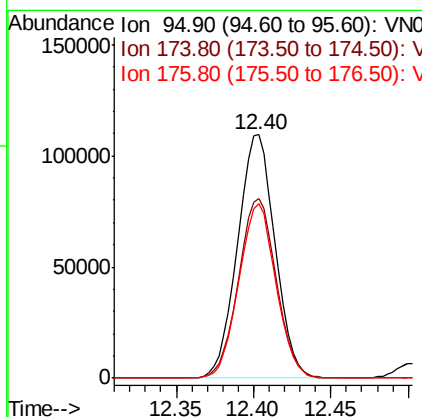
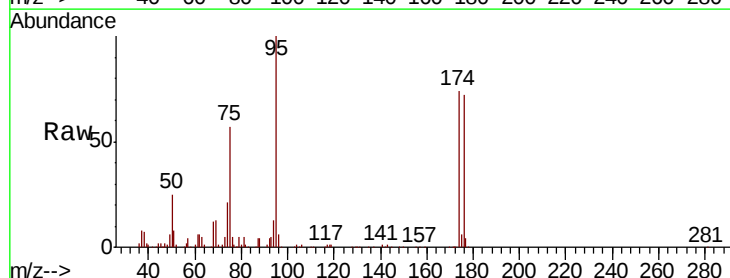
Instrument :
 MSVOA_N
 ClientSampleId :

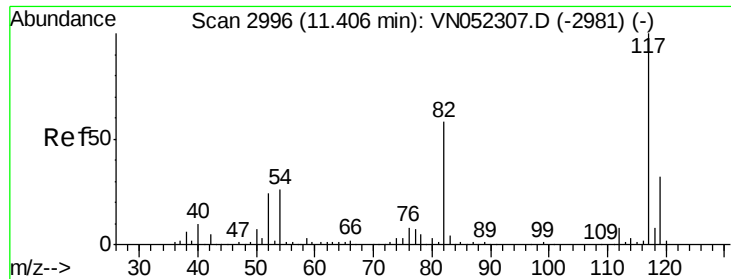
Tot Ion: 107 Resp: 50903
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 19.132 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 95 Resp: 184652
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 156.0
 176 70.7 0.0 148.4

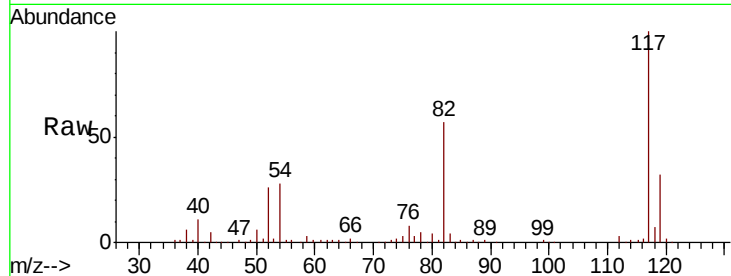




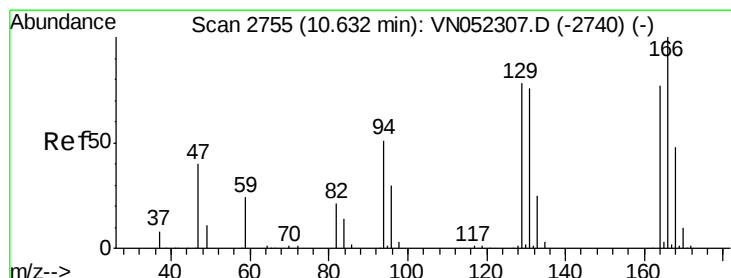
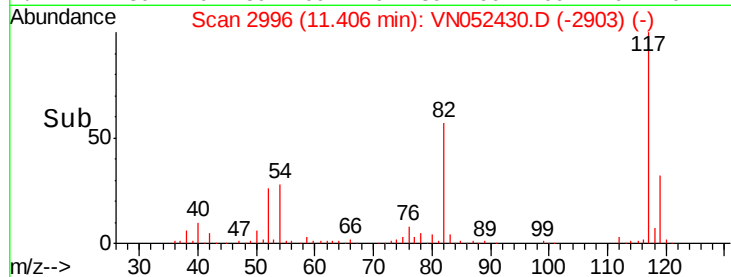
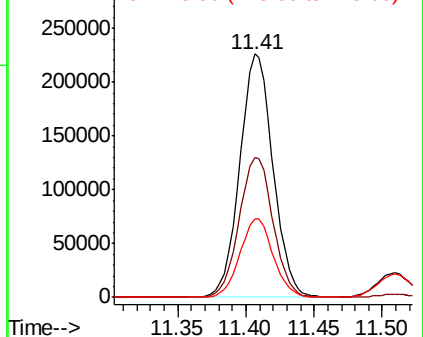
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 381854
Ion Ratio Lower Upper
117 100
82 57.4 46.5 69.7
119 32.0 25.7 38.5

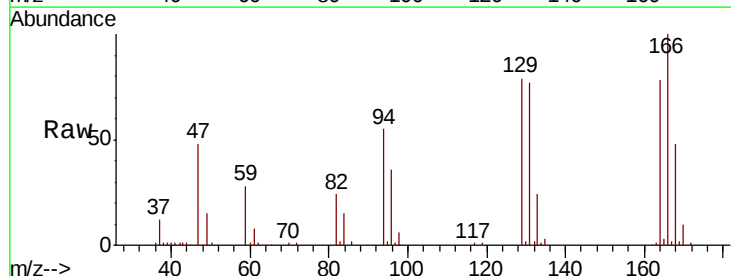


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

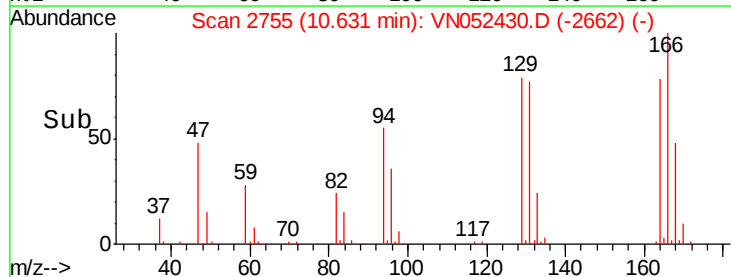
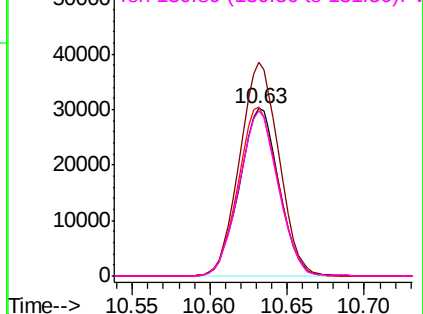


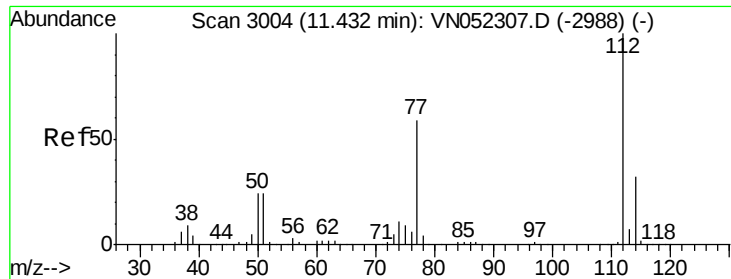
#64
Tetrachloroethene
Concen: 19.805 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:164 Resp: 53764
Ion Ratio Lower Upper
164 100
166 127.5 103.8 155.6
129 100.9 80.7 121.1
131 98.3 78.5 117.7



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

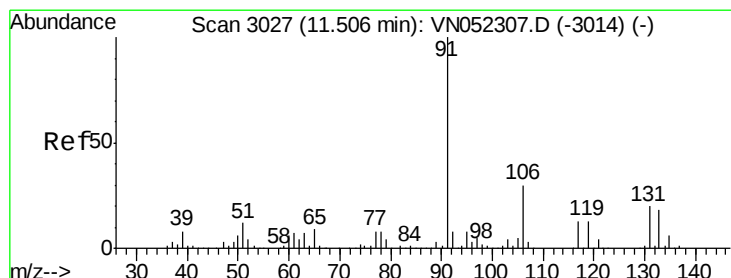
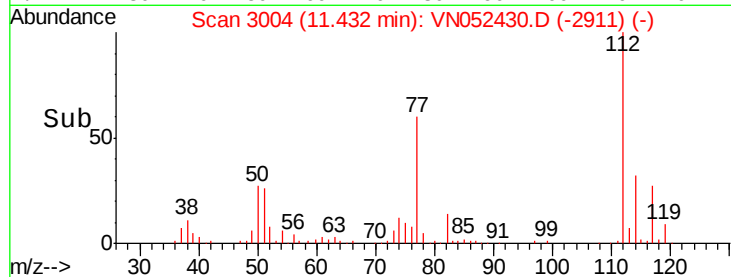
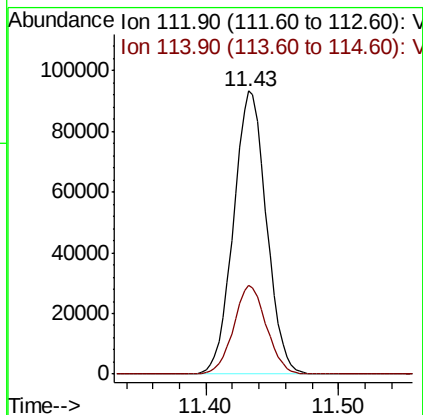
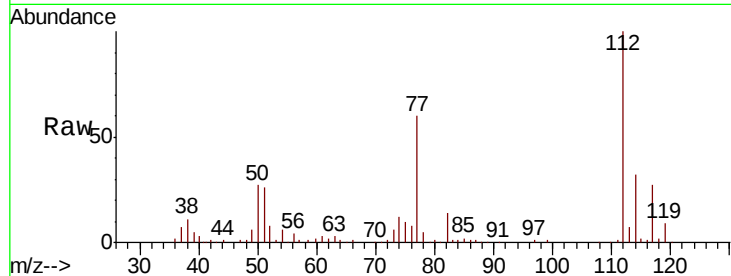




#65
Chlorobenzene
Concen: 19.897 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

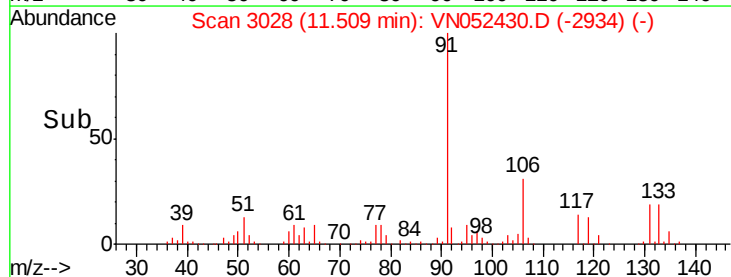
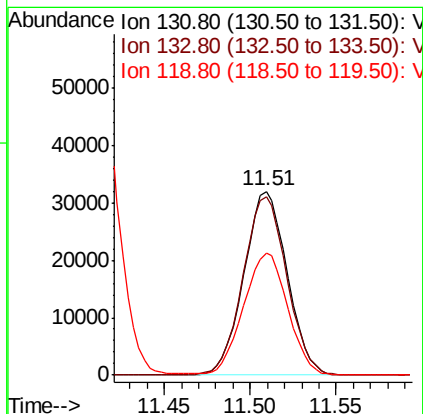
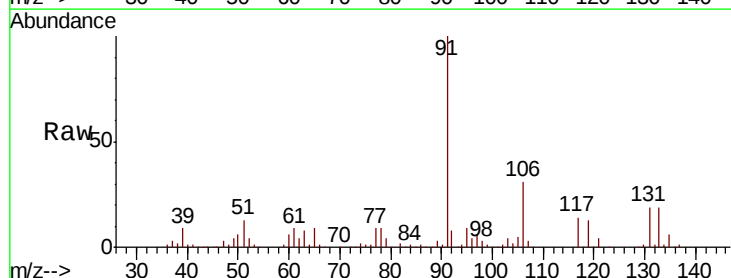
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 160595
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.282 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:131 Resp: 55824
Ion Ratio Lower Upper
131 100
133 98.3 47.4 142.3
119 67.9 33.3 99.9

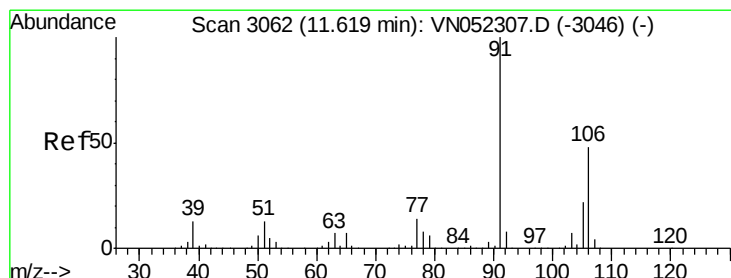
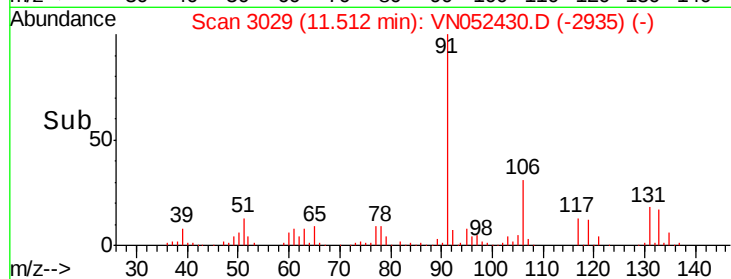
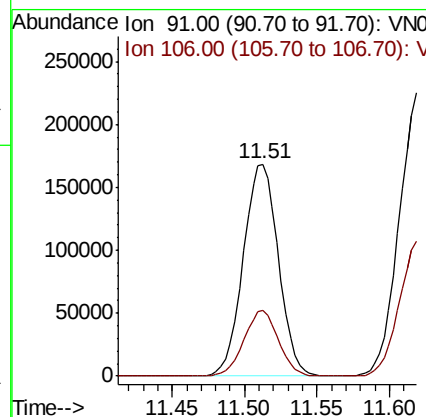
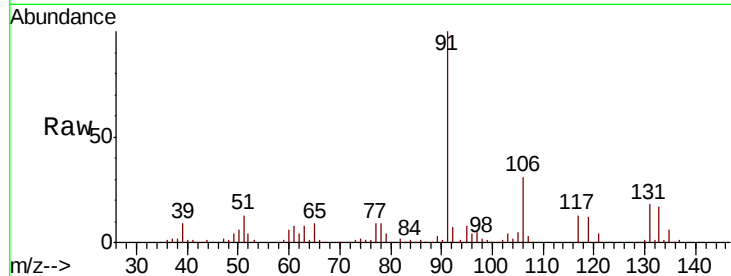




#67
Ethvl Benzene
Concen: 20.256 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

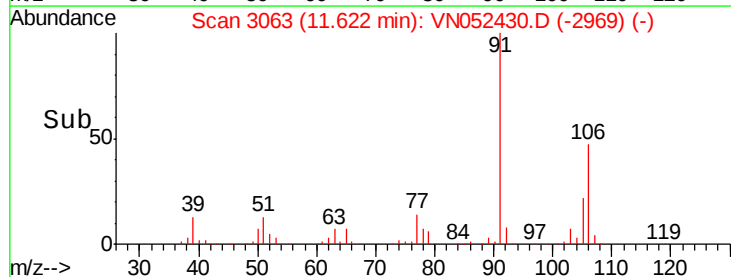
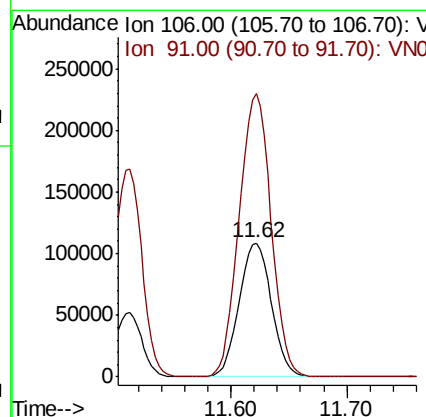
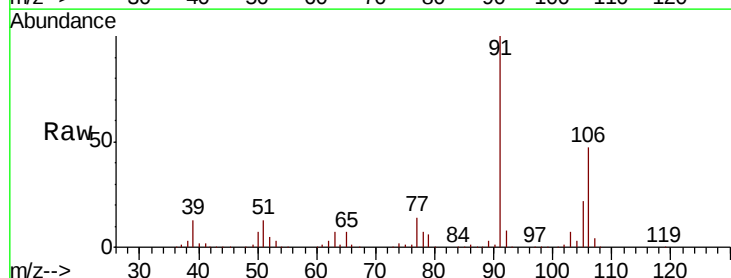
Instrument :
MSVOA_N
ClientSampled :

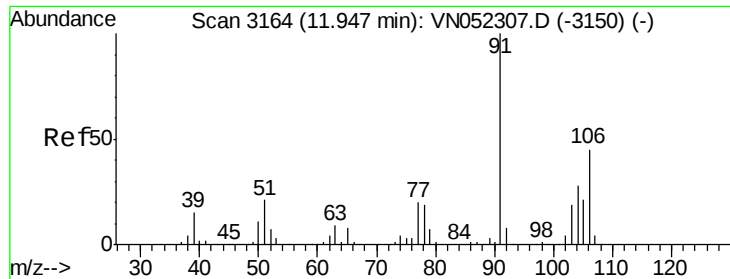
Tot Ion: 91 Resp: 283764
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2



#68
m/p-Xylenes
Concen: 40.949 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 106 Resp: 209599
Ion Ratio Lower Upper
106 100
91 208.6 165.5 248.3

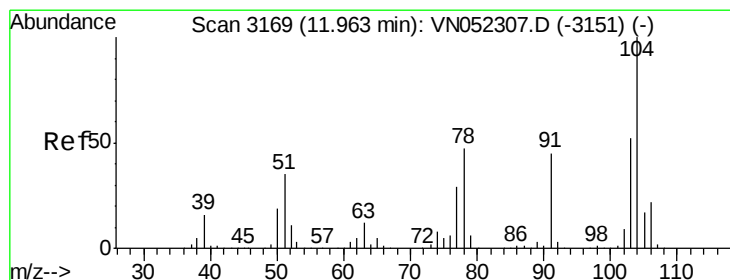
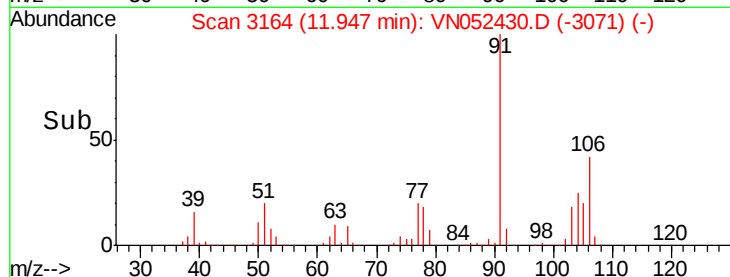
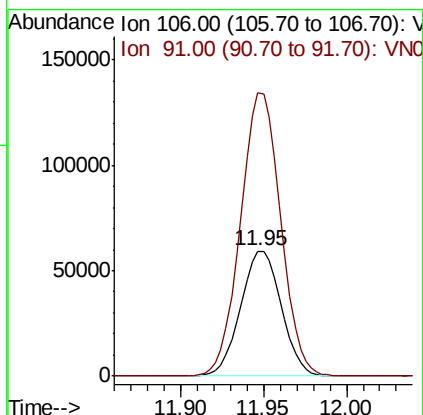
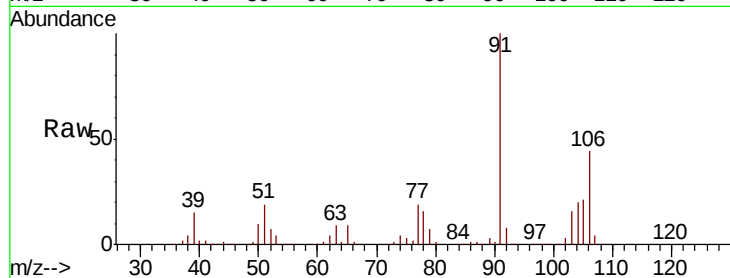




#69
o-Xylene
Concen: 20.668 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

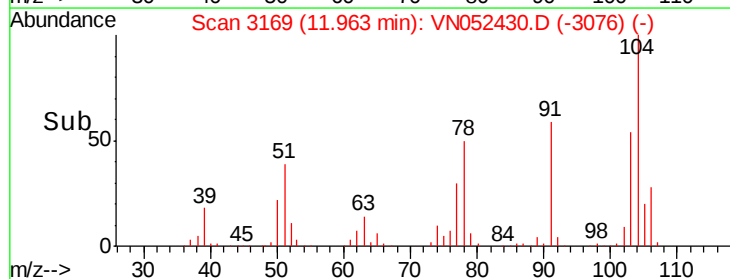
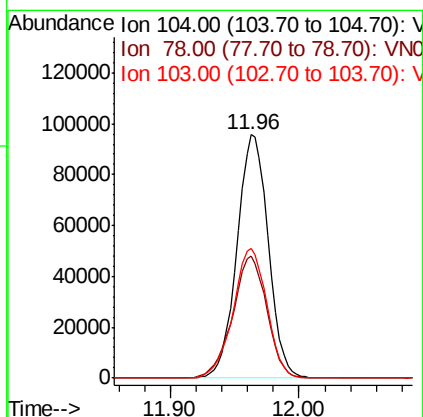
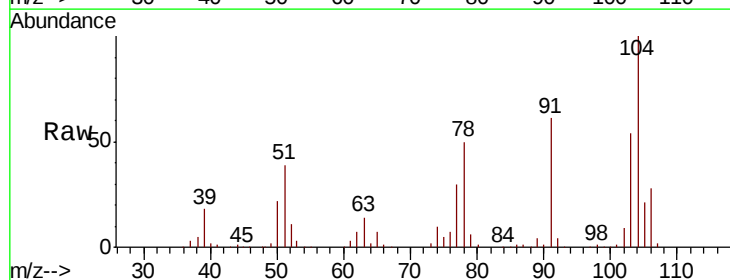
Instrument :
MSVOA_N
ClientSampled :

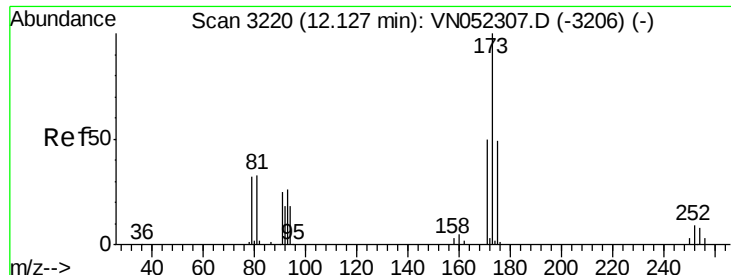
Tot Ion:106 Resp: 101407
Ion Ratio Lower Upper
106 100
91 223.3 110.0 330.0



#70
Styrene
Concen: 20.558 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:104 Resp: 161511
Ion Ratio Lower Upper
104 100
78 54.8 42.7 64.1
103 57.4 45.4 68.0

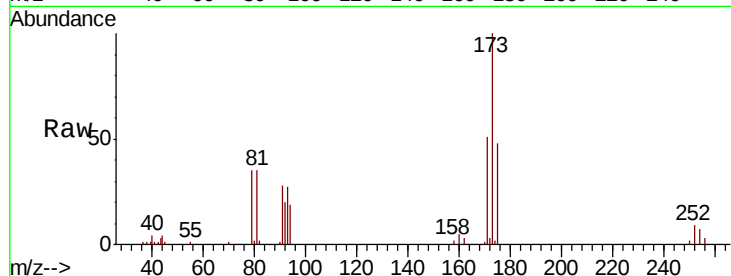




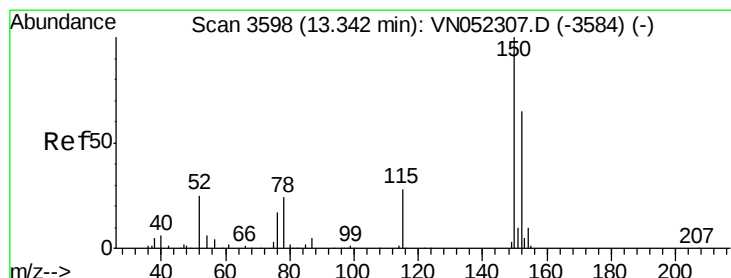
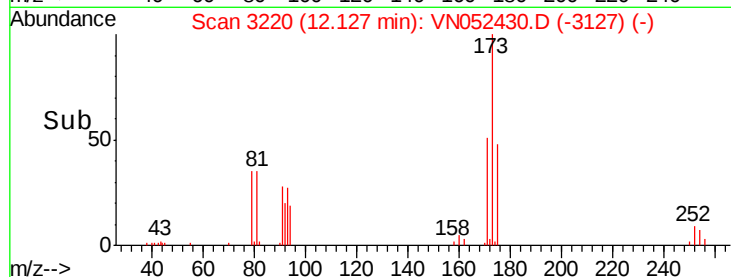
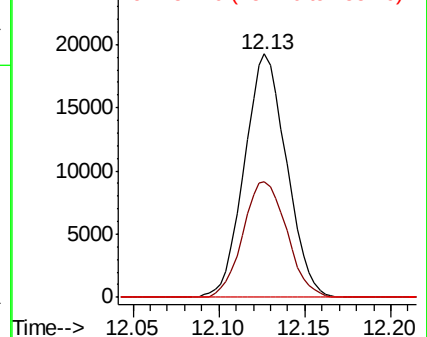
#71
Bromoform
Concen: 20.114 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 32688
Ion Ratio Lower Upper
173 100
175 49.3 25.0 75.0
254 0.0 0.0 0.0

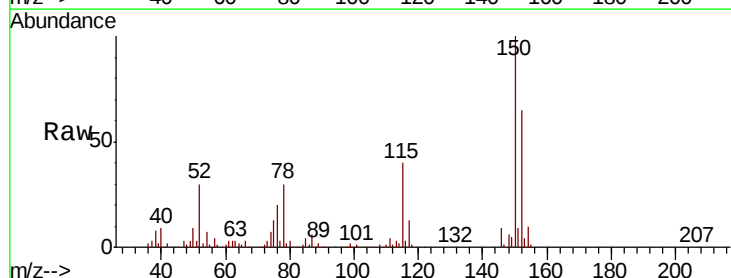


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

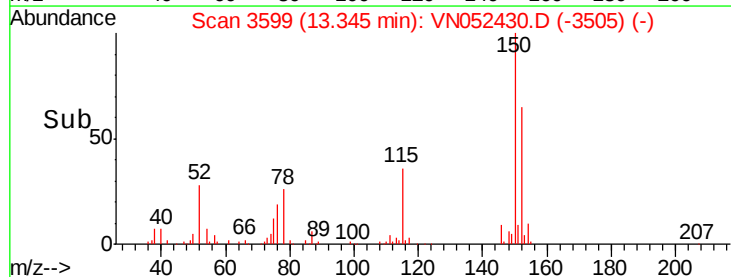
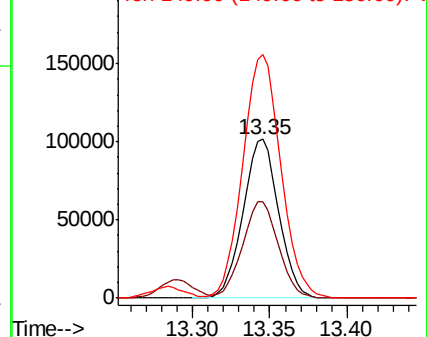


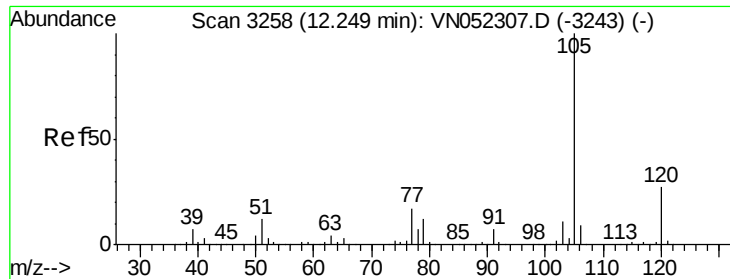
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:152 Resp: 162182
Ion Ratio Lower Upper
152 100
115 61.2 30.3 91.0
150 164.6 0.0 348.2



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: 21.163 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

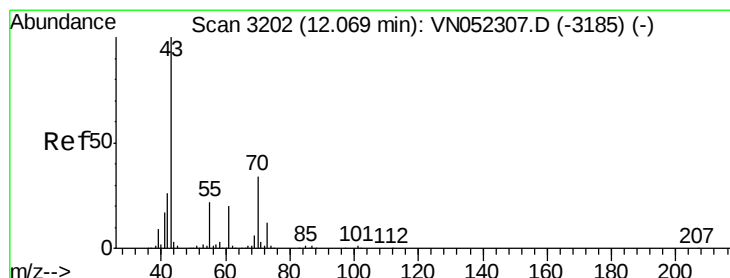
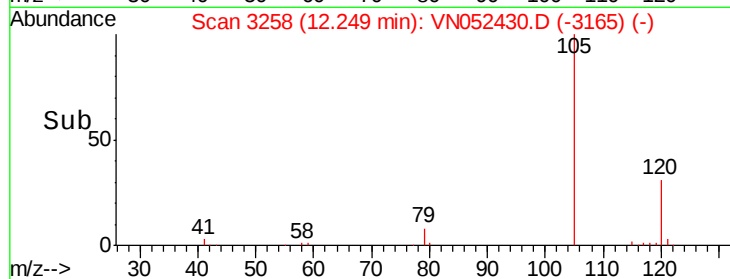
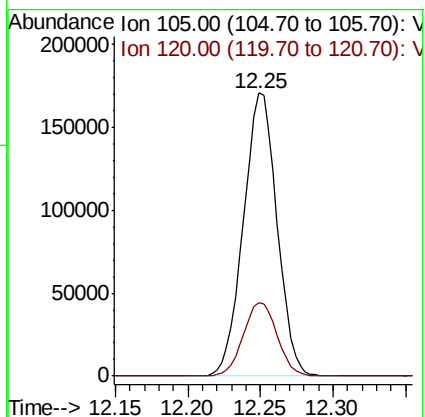
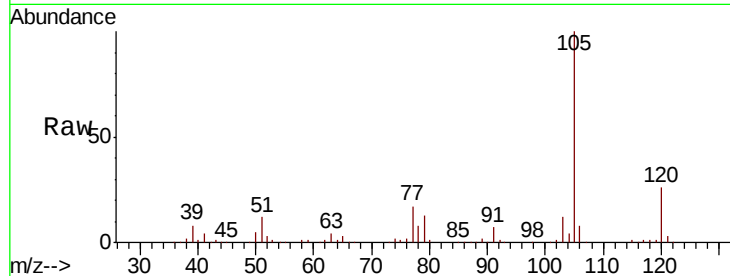
ClientSampleId :

Tot Ion:105 Resp: 275954

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.1



#74

N-ethyl acetate

Concen: 17.478 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion: 43 Resp: 81176

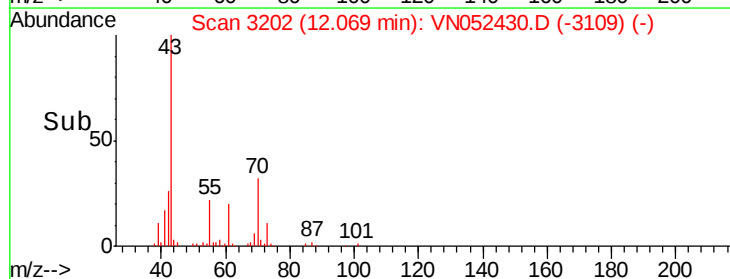
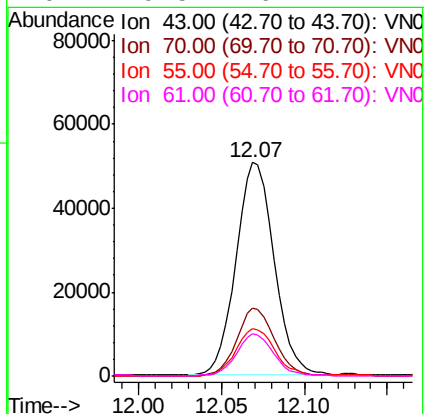
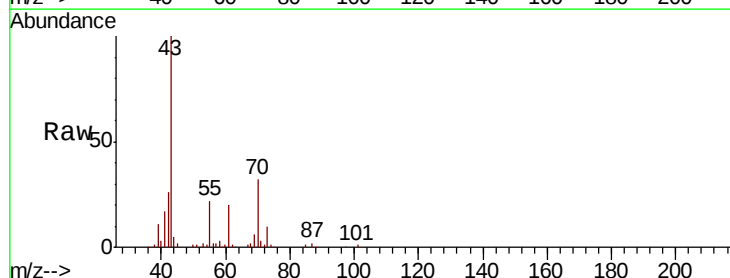
Ion Ratio Lower Upper

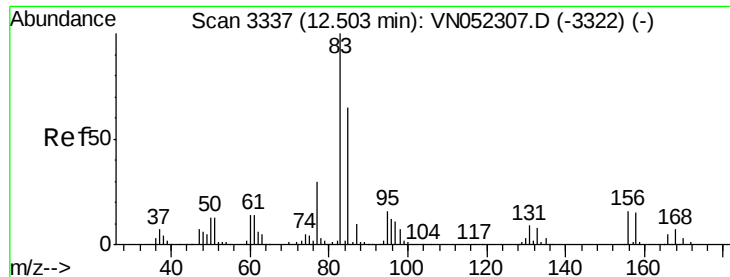
43 100

70 31.6 27.1 40.7

55 23.0 17.4 26.0

61 19.5 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.906 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

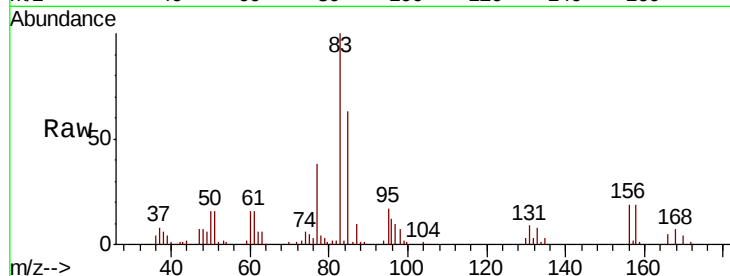
Tot Ion: 83 Resp: 62744

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

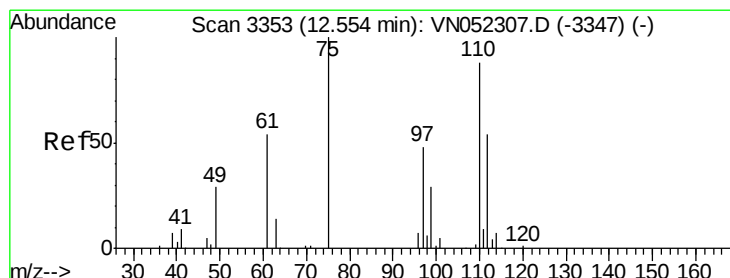
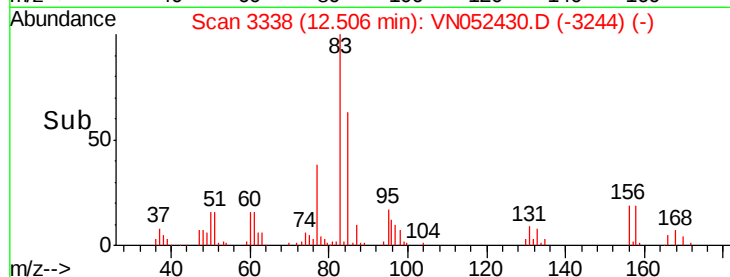
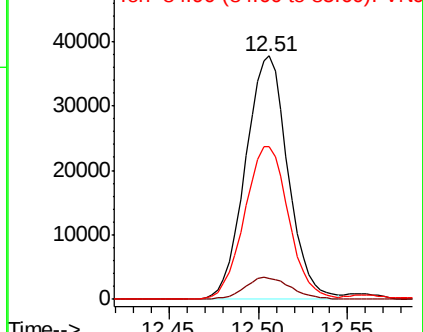
85 65.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 29.083 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052430.D

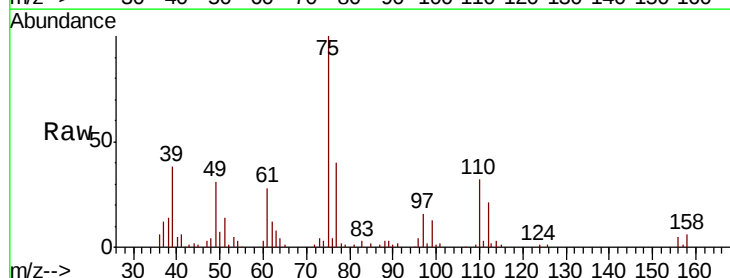
Acq: 21 Nov 2018 11:37

Tgt Ion: 75 Resp: 80035

Ion Ratio Lower Upper

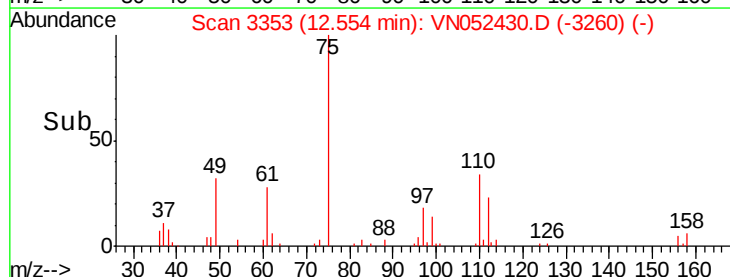
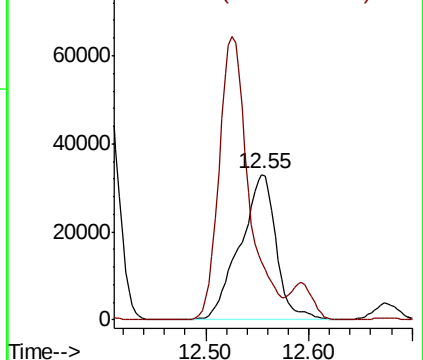
75 100

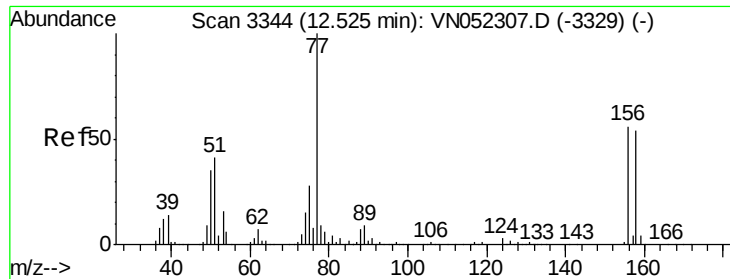
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

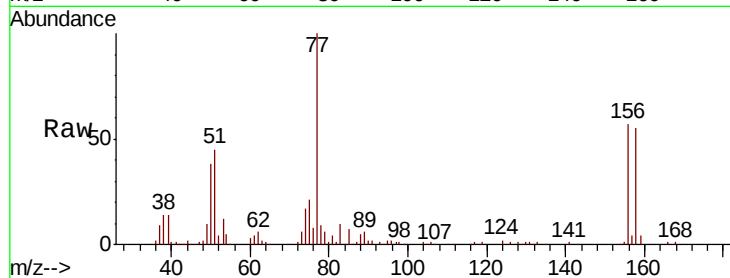




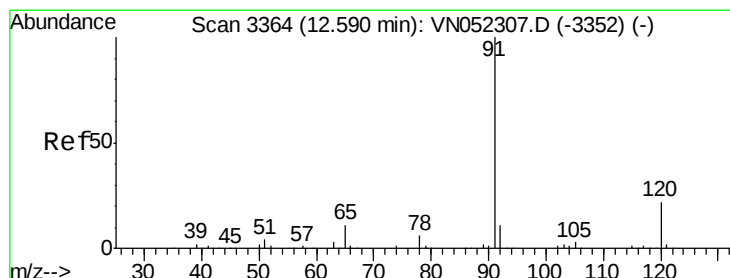
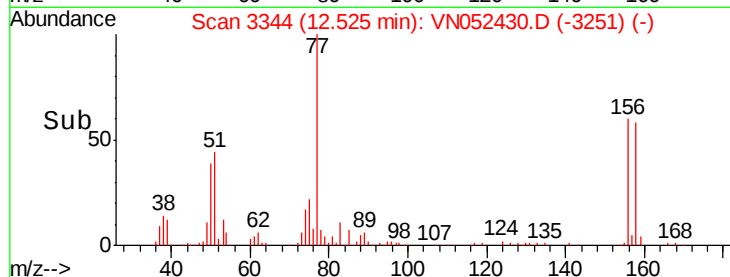
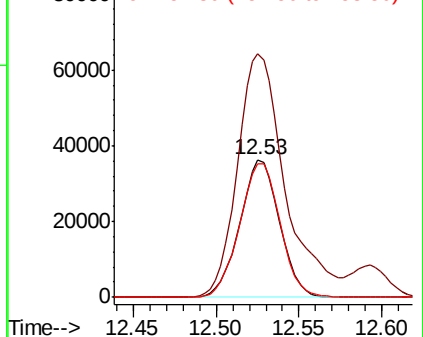
#77
Bromobenzene
Concen: 19.953 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:156 Resp: 60538
Ion Ratio Lower Upper
156 100
77 214.0 103.6 310.9
158 99.6 48.1 144.4

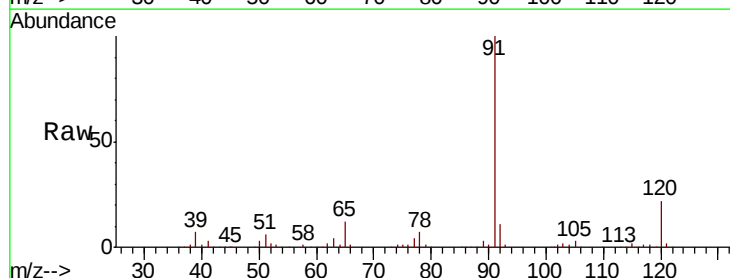


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

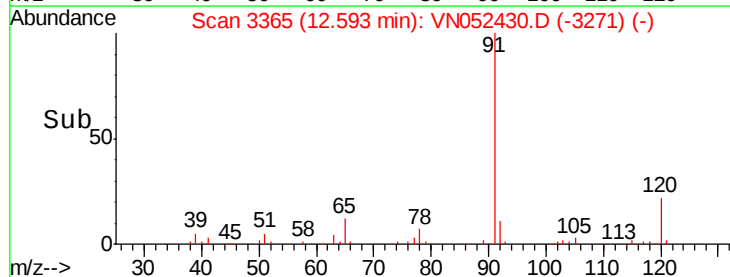
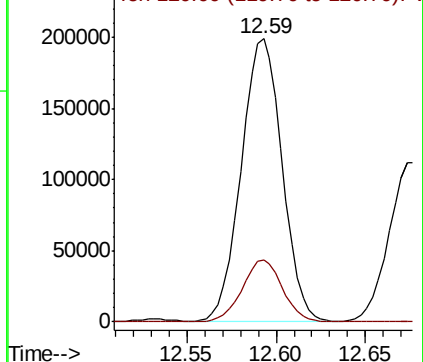


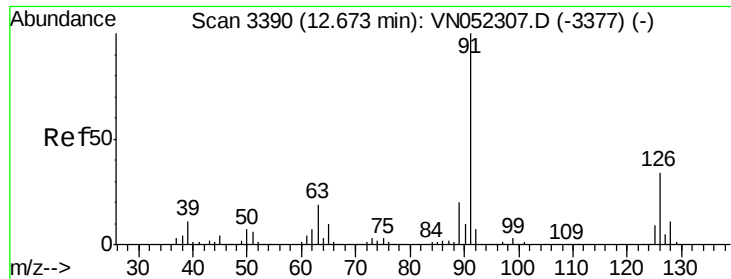
#78
n-propylbenzene
Concen: 20.711 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 91 Resp: 315835
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V

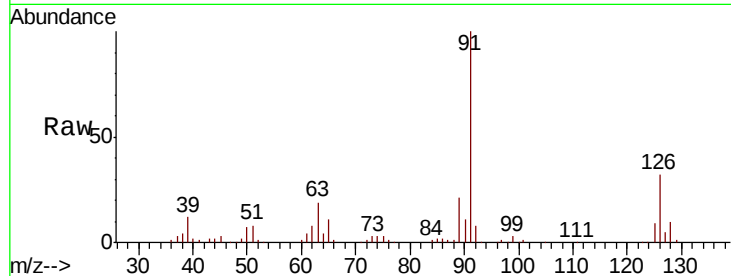




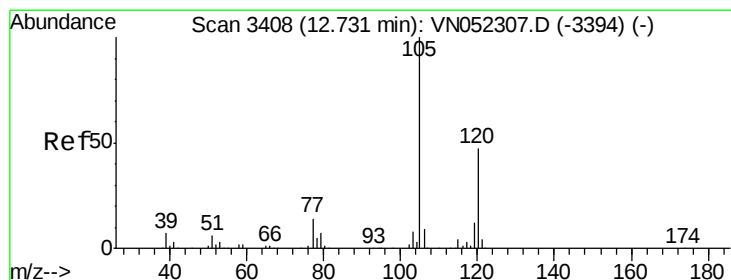
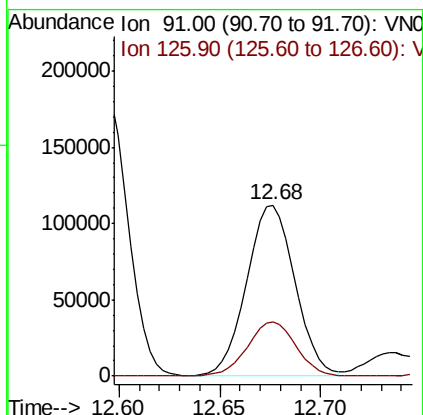
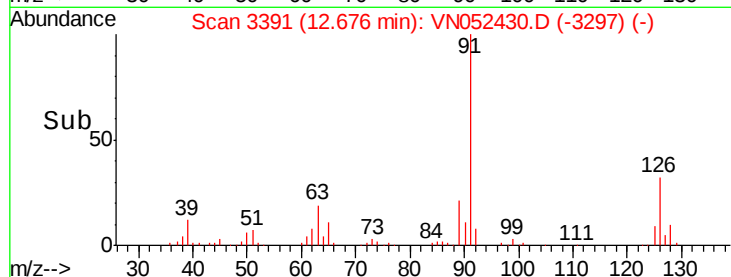
#79
 2-Chlorotoluene
 Concen: 21.022 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 187275
 Ion Ratio Lower Upper
 91 100
 126 32.0 17.0 51.0

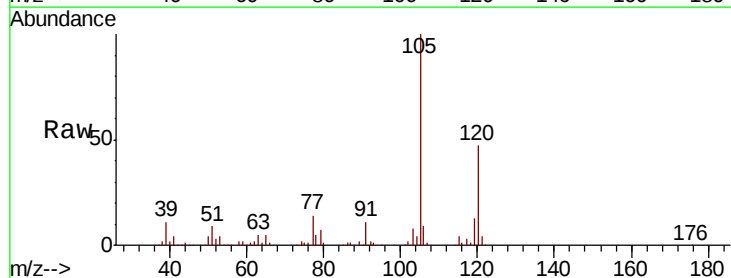


Abundance Ion 91.00 (90.70 to 91.70): VN052430.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052430.D (-3377) (-)

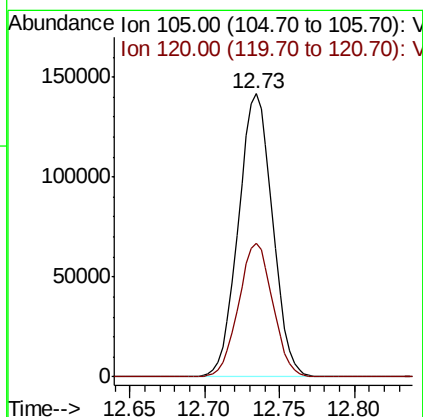
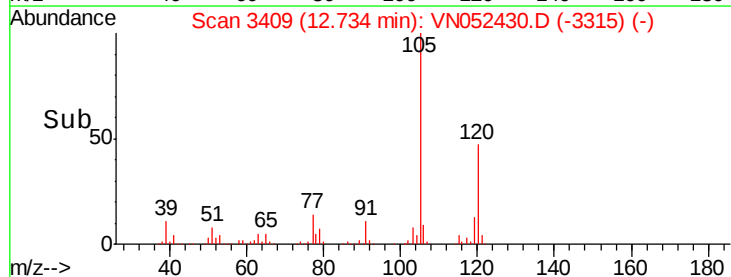


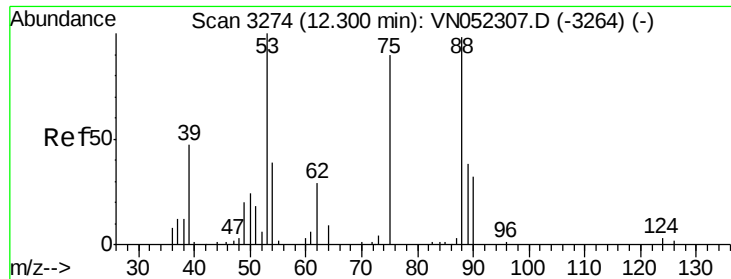
#80
 1,3,5-Trimethylbenzene
 Concen: 21.677 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 105 Resp: 224781
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052430.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN052430.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.162 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

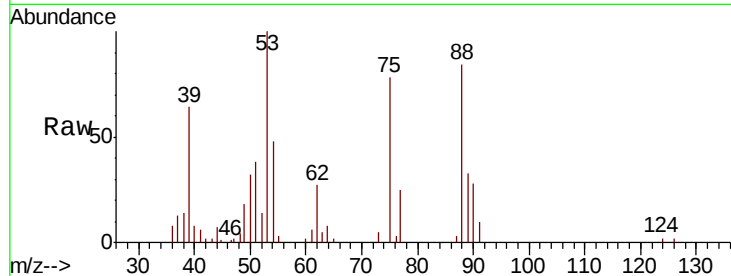
Tot Ion: 75 Resp: 15410

Ion Ratio Lower Upper

75 100

53 125.3 90.2 135.2

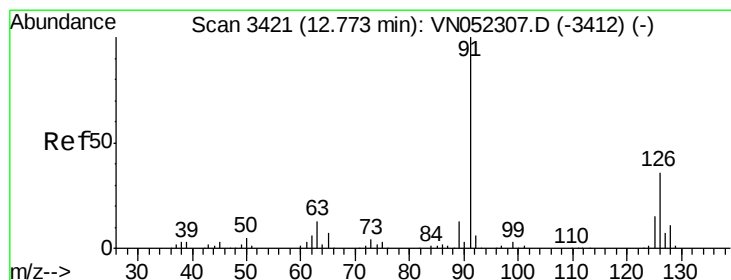
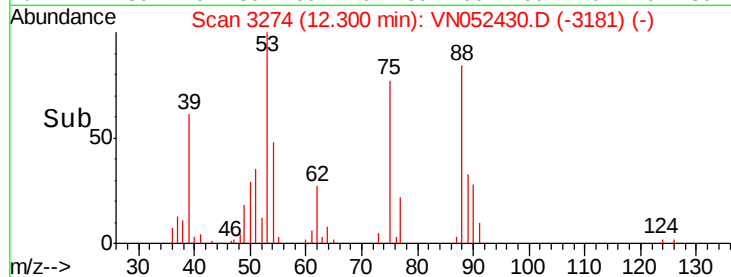
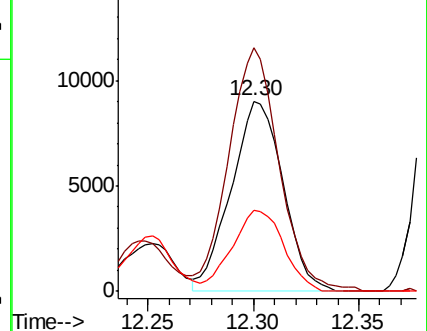
89 42.3 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN052430.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052430.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052430.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 20.494 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052430.D

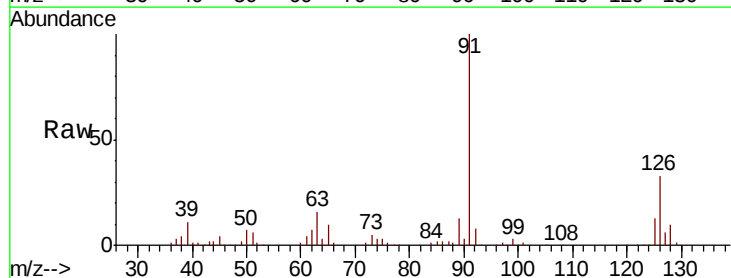
Acq: 21 Nov 2018 11:37

Tgt Ion: 91 Resp: 187053

Ion Ratio Lower Upper

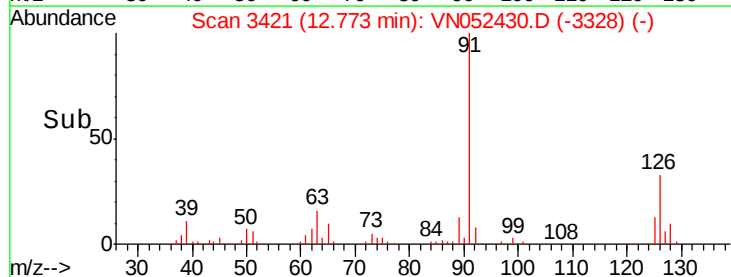
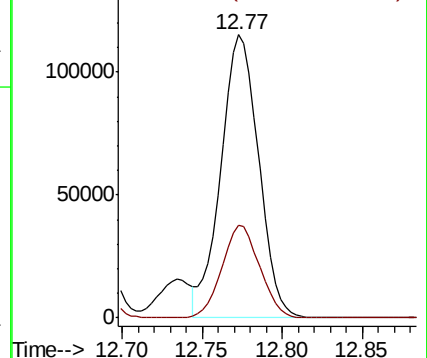
91 100

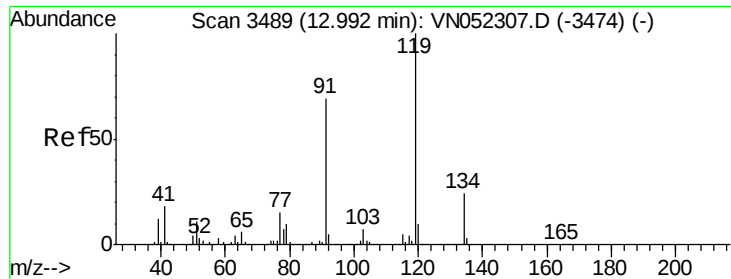
126 32.6 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN052430.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN052430.D (-3328) (-)

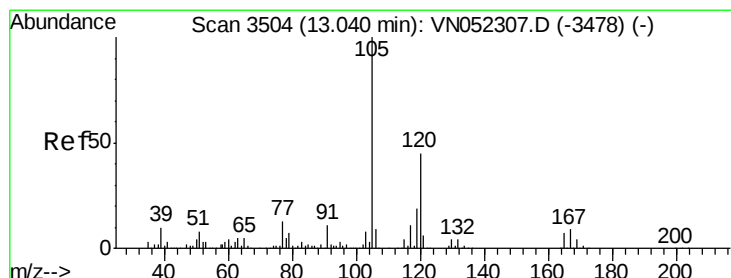
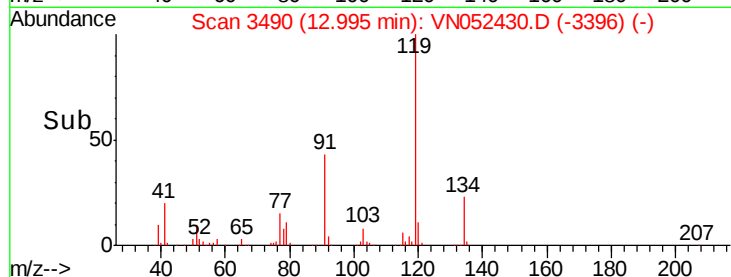
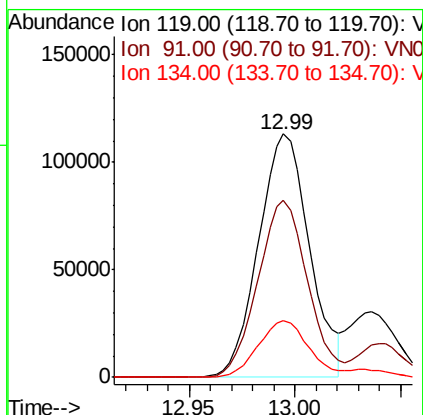
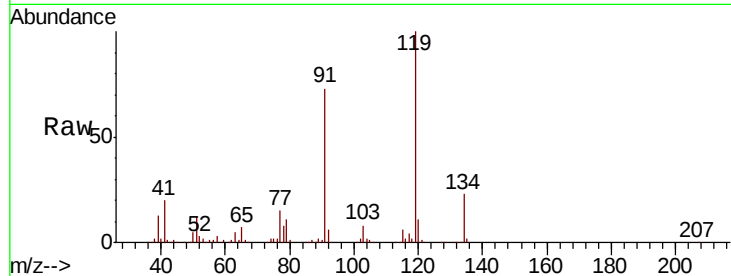




#83
 tert-Butylbenzene
 Concen: 20.805 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

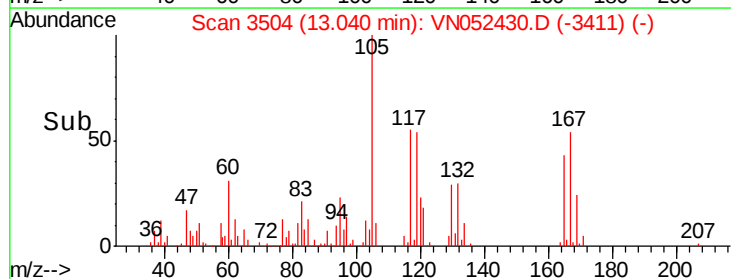
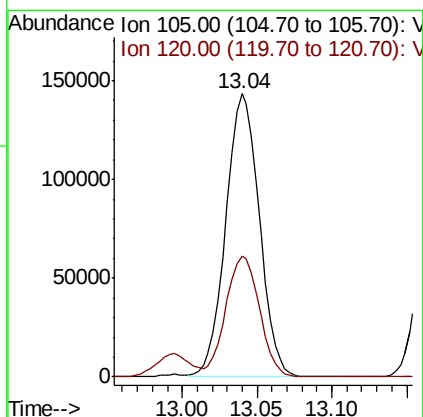
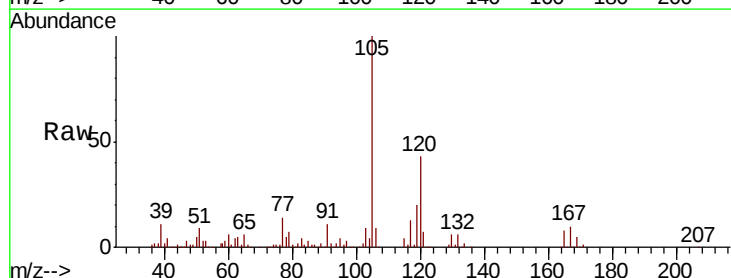
Instrument :
 MSVOA_N
 ClientSampled :

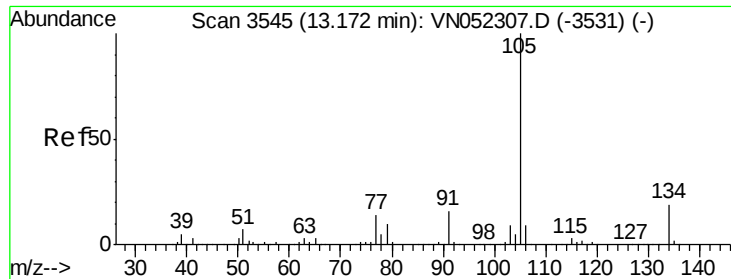
Tot Ion:119 Resp: 190466
 Ion Ratio Lower Upper
 119 100
 91 71.3 33.8 101.3
 134 23.2 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.551 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion:105 Resp: 224341
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.5 67.5





#85

sec-Butylbenzene

Concen: 21.162 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

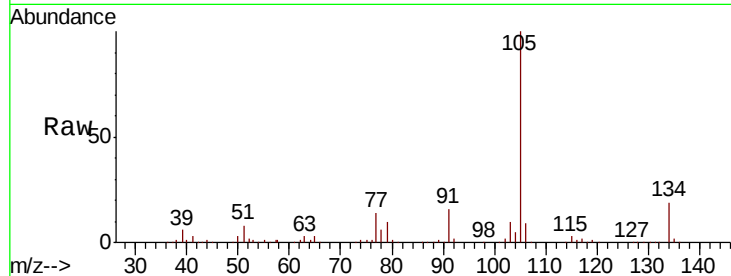
ClientSampleId :

Tot Ion:105 Resp: 263896

Ion Ratio Lower Upper

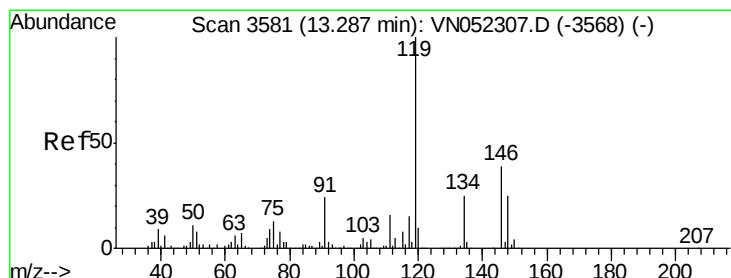
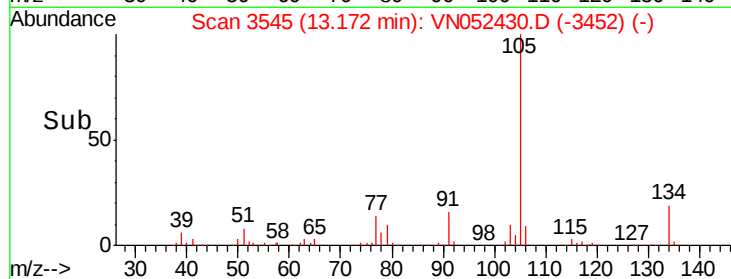
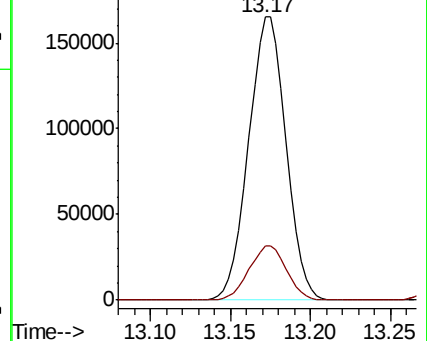
105 100

134 19.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.907 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

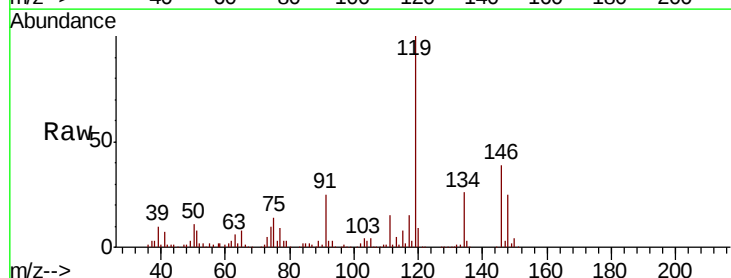
Tgt Ion:119 Resp: 220851

Ion Ratio Lower Upper

119 100

134 25.3 13.0 38.9

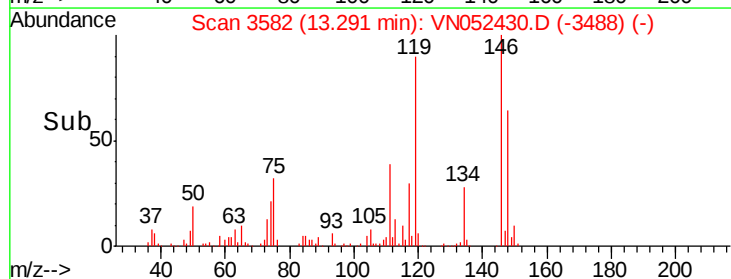
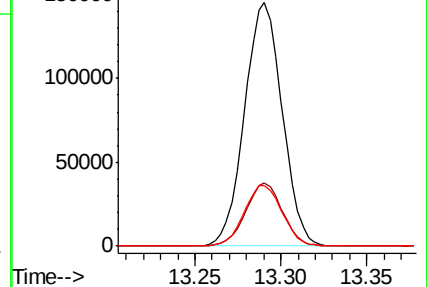
91 25.3 12.4 37.0

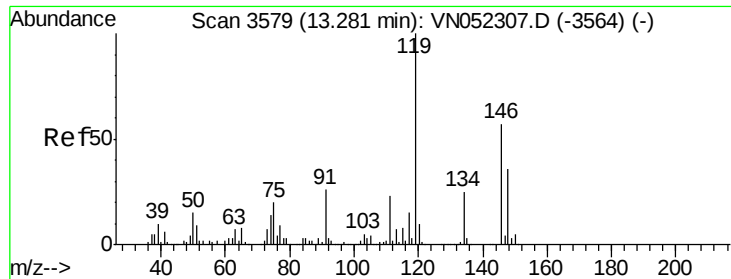


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

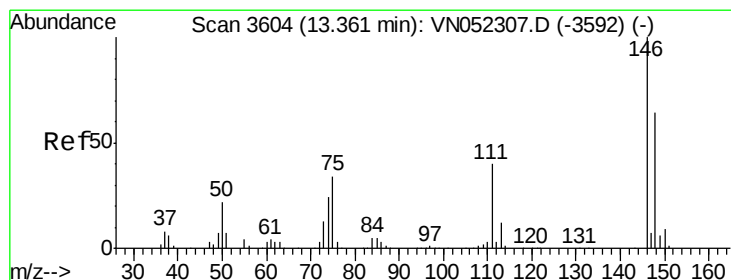
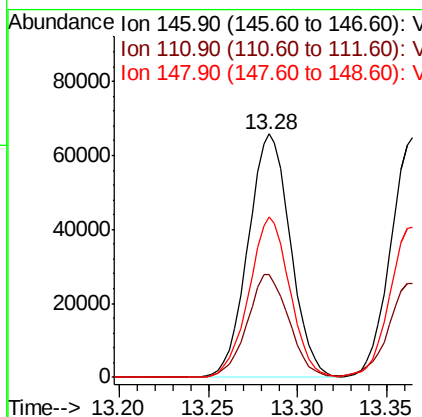
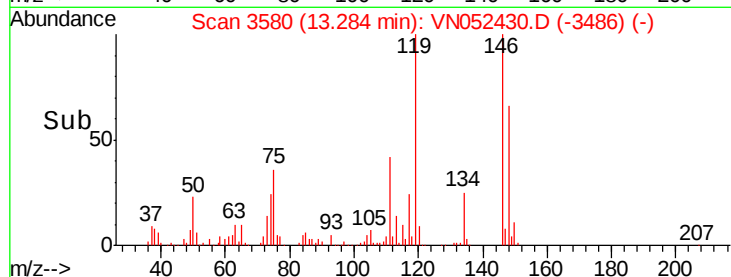
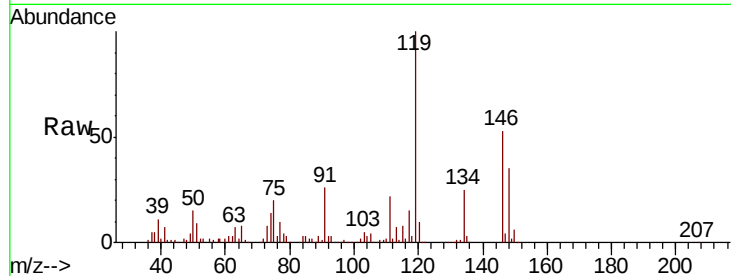




#87
 1,3-Dichlorobenzene
 Concen: 20.285 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

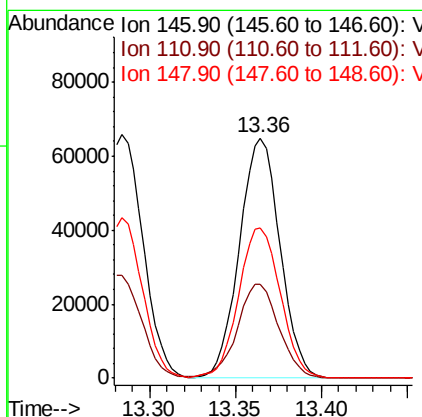
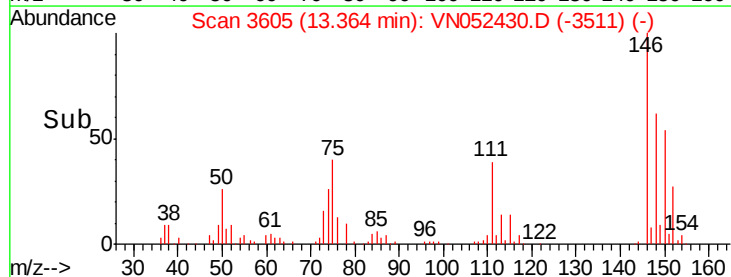
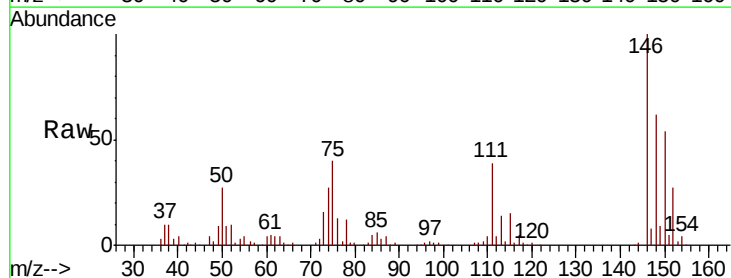
Instrument :
 MSVOA_N
 ClientSampled :

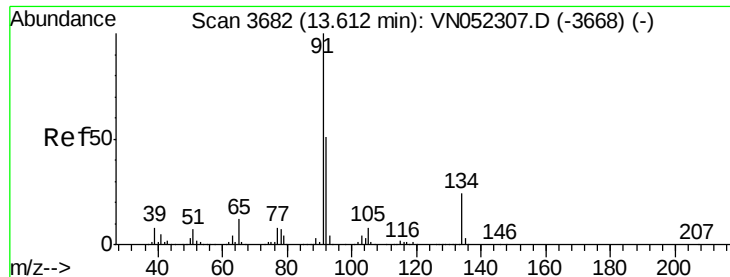
Tot Ion:146 Resp: 109301
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 61.0
 148 63.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.851 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion:146 Resp: 106340
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.6 61.8
 148 64.3 32.4 97.2





#89

n-Butylbenzene

Concen: 20.923 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

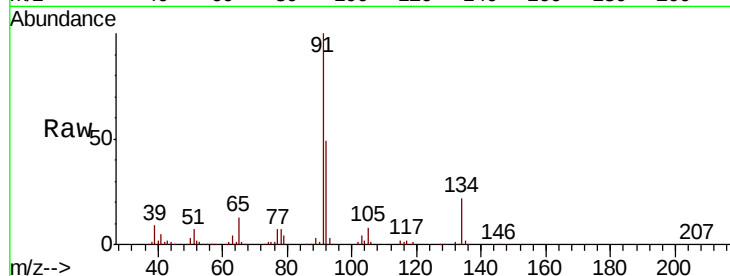
Tot Ion: 91 Resp: 189827

Ion Ratio Lower Upper

91 100

92 49.9 25.4 76.2

134 22.4 12.2 36.4

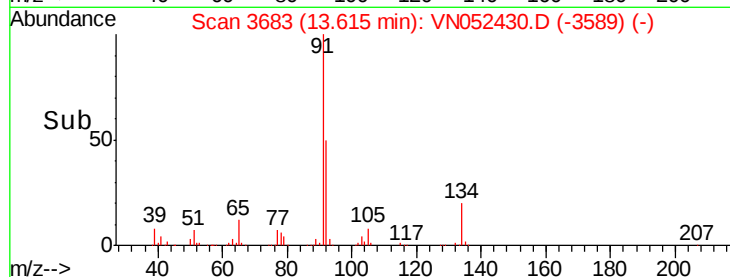


Abundance Ion 91.00 (90.70 to 91.70): VN052430.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052430.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052430.D (-3668) (-)

Time-->

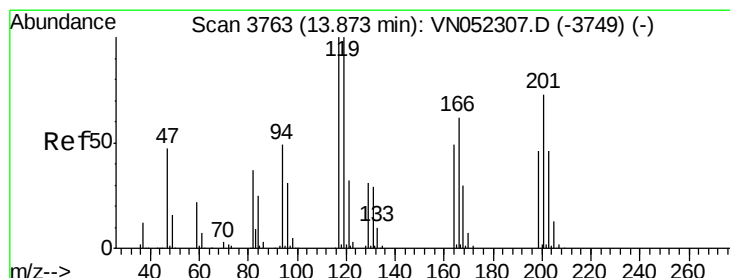


Abundance Ion 91.00 (90.70 to 91.70): VN052430.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052430.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052430.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 20.666 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052430.D

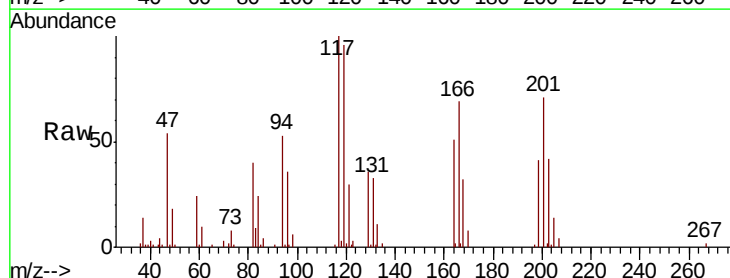
Acq: 21 Nov 2018 11:37

Tgt Ion: 117 Resp: 38666

Ion Ratio Lower Upper

117 100

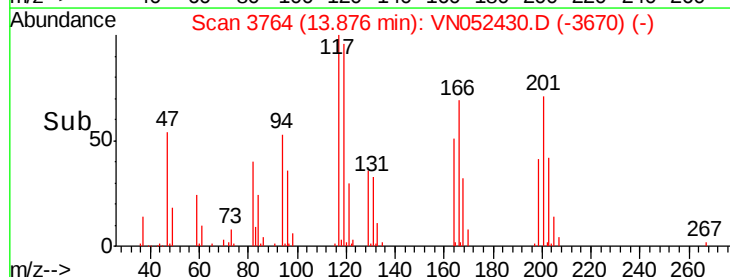
201 70.6 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052430.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN052430.D (-3670) (-)

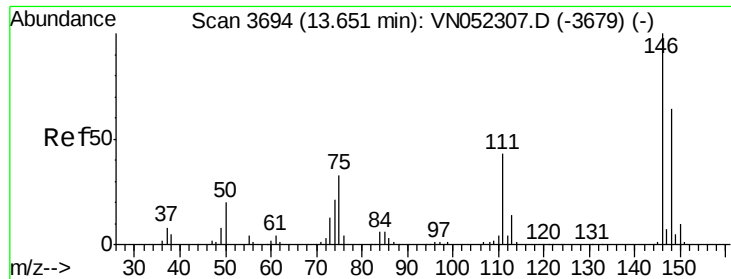
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN052430.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN052430.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 20.242 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

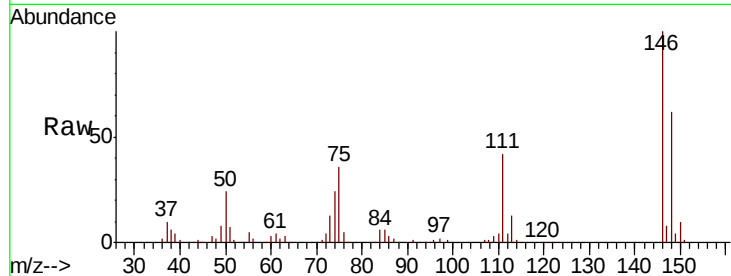
Tot Ion:146 Resp: 105670

Ion Ratio Lower Upper

146 100

111 41.7 21.3 63.9

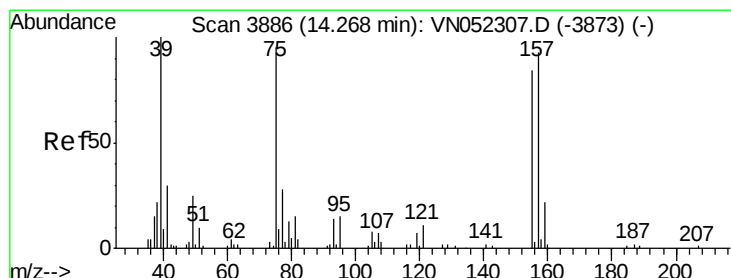
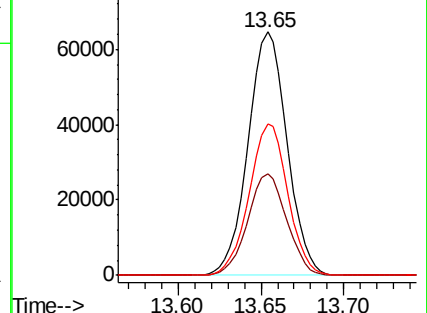
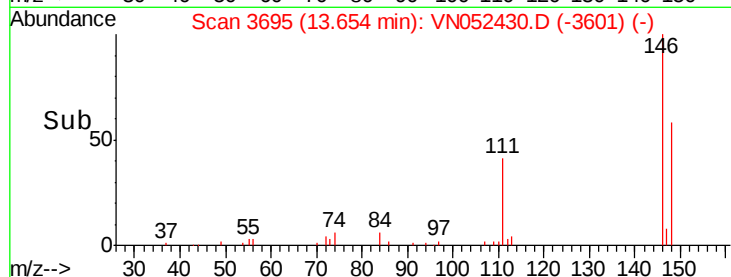
148 61.7 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.365 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

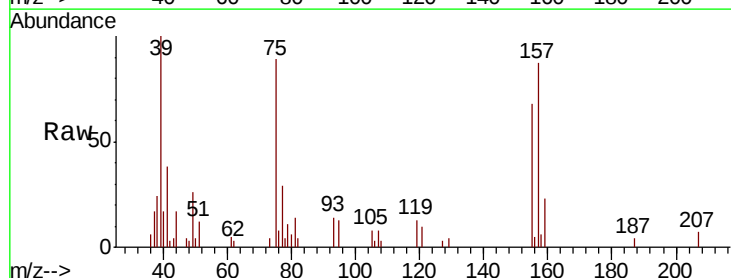
Tgt Ion: 75 Resp: 9001

Ion Ratio Lower Upper

75 100

155 74.6 42.4 127.3

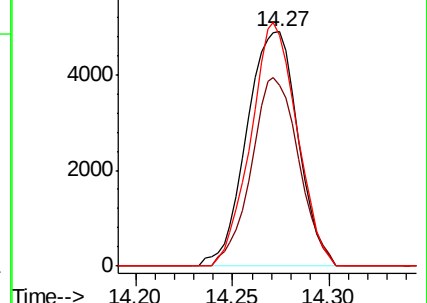
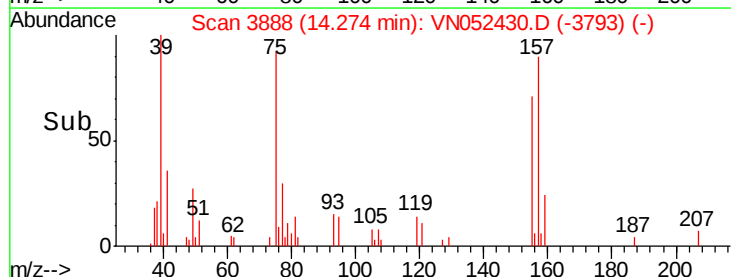
157 93.9 49.6 149.0

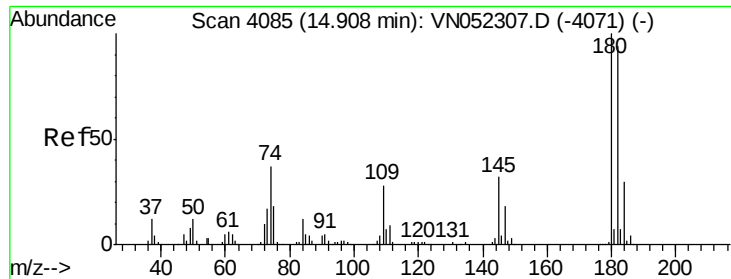


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

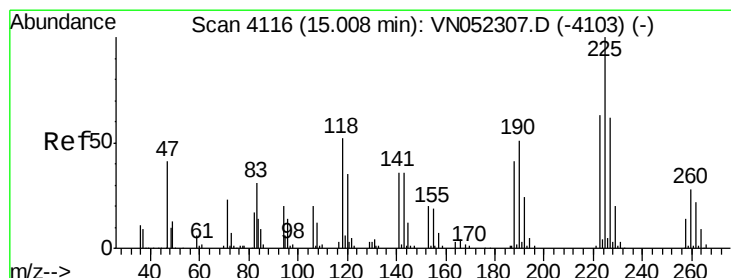
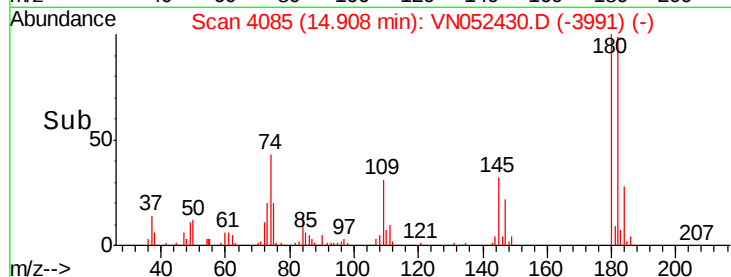
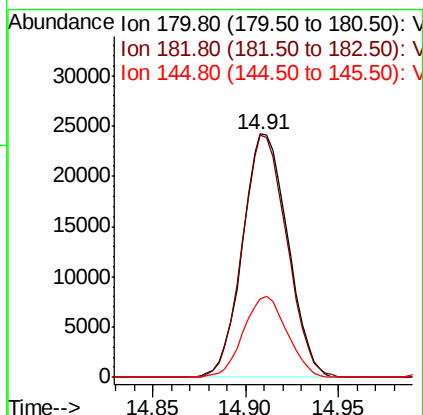
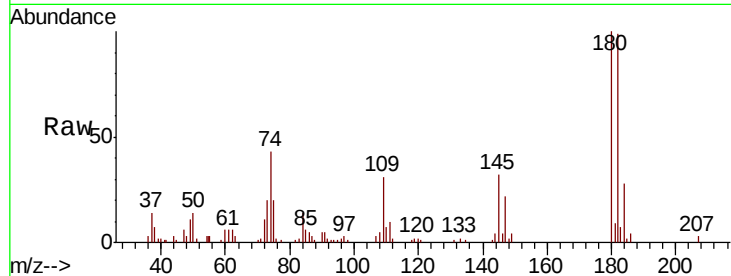




#93
 1,2,4-Trichlorobenzene
 Concen: 18.343 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

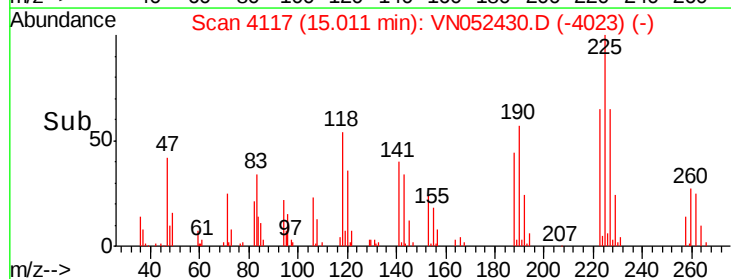
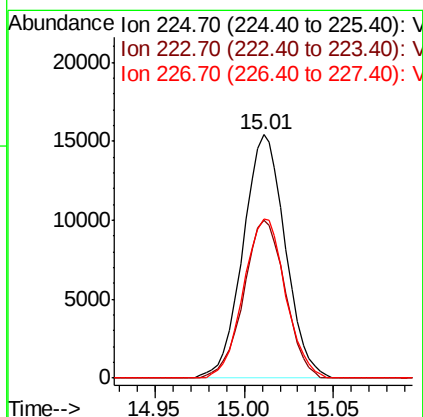
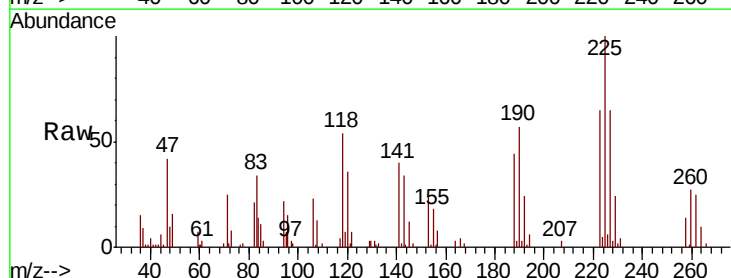
Instrument :
 MSVOA_N
 ClientSampled :

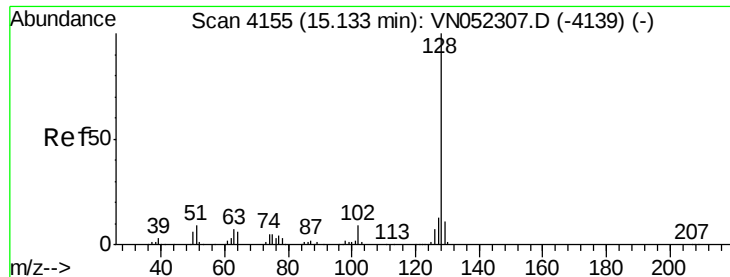
Tot Ion:180 Resp: 40919
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.6 142.9
 145 32.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 21.371 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion:225 Resp: 25535
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.5
 227 65.1 31.6 95.0





#95

Naphthalene

Concen: 17.178 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

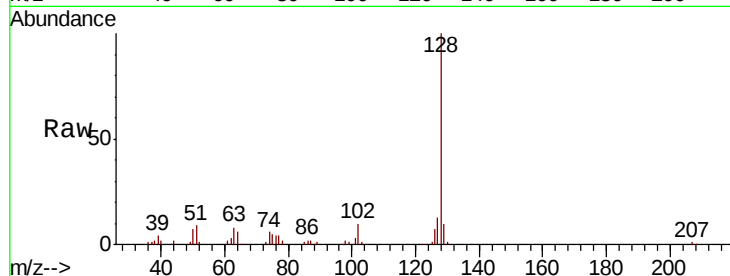
Tot Ion:128 Resp: 88263

Ion Ratio Lower Upper

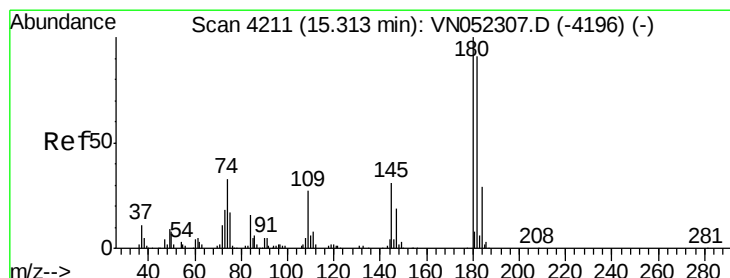
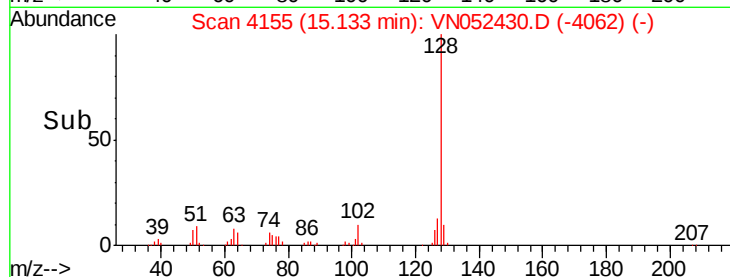
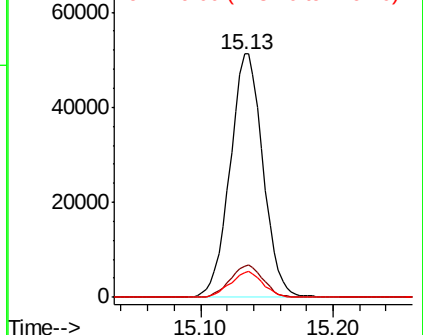
128 100

127 13.2 10.4 15.6

129 10.4 8.6 13.0



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: 19.483 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

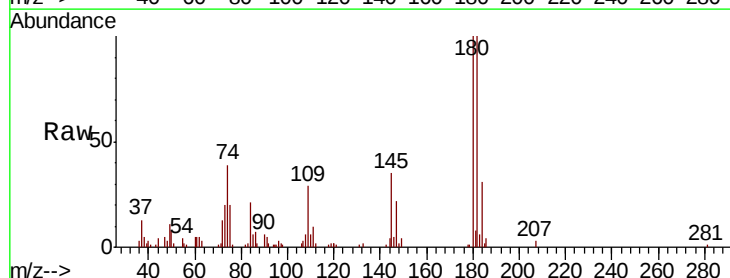
Tgt Ion:180 Resp: 38647

Ion Ratio Lower Upper

180 100

182 95.7 46.5 139.3

145 33.6 16.4 49.2



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

