

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053175.D
 Acq On : 24 Dec 2018 10:47
 Operator : MD\SY
 Sample : VN1224MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

Quant Time: Dec 24 22:24:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1001388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1510796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1338445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	613855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	498586	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.59	113	418778	60.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.36%	
50) Toluene-d8	10.09	98	1810120	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	631584	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192663	19.010	ug/l	99
3) Chloromethane	2.06	50	247104	20.120	ug/l	100
4) Vinyl Chloride	2.19	62	243180	19.551	ug/l	99
5) Bromomethane	2.57	94	150910	17.512	ug/l	99
6) Chloroethane	2.71	64	146624	19.904	ug/l	97
7) Trichlorofluoromethane	3.02	101	311247	20.087	ug/l	97
8) Diethyl Ether	3.41	74	124161	21.241	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	205263	20.777	ug/l	99
10) Methyl Iodide	3.96	142	232792	16.779	ug/l	99
11) Tert butyl alcohol	4.77	59	63766	102.839	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	190855	19.996	ug/l	100
13) Acrolein	3.61	56	63690	113.281	ug/l	96
14) Allyl chloride	4.33	41	322798	21.834	ug/l	95
15) Acrylonitrile	4.99	53	366883	106.506	ug/l	100
16) Acetone	3.82	43	212767	106.785	ug/l	98
17) Carbon Disulfide	4.06	76	521598	16.757	ug/l	100
18) Methyl Acetate	4.33	43	200260	22.697	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	538068	21.066	ug/l	99
20) Methylene Chloride	4.55	84	224723	20.676	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	205120	20.002	ug/l	96
22) Diisopropyl ether	5.95	45	688484	21.817	ug/l	99
23) Vinyl Acetate	5.90	43	1983294	109.295	ug/l	99
24) 1,1-Dichloroethane	5.85	63	395702	21.102	ug/l	100
25) 2-Butanone	6.83	43	376347	112.548	ug/l	99
26) 2,2-Dichloropropane	6.83	77	288053	20.123	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	241455	20.798	ug/l	99
28) Bromochloromethane	7.19	49	186406	22.940	ug/l	99
29) Tetrahydrofuran	7.21	42	274890	110.069	ug/l	100
30) Chloroform	7.37	83	383507	20.819	ug/l	99
31) Cyclohexane	7.65	56	367708	20.283	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	312741	19.929	ug/l	99
36) 1,1-Dichloropropene	7.79	75	296666	20.458	ug/l	100
37) Ethyl Acetate	6.93	43	178268	22.022	ug/l	99
38) Carbon Tetrachloride	7.78	117	272653	20.513	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	344317	19.546	ug/l	99
40) Benzene	8.04	78	901240	20.894	ug/l	100
41) Methacrylonitrile	7.17	41	97381	20.820	ug/l	99
42) 1,2-Dichloroethane	8.12	62	268777	21.093	ug/l	100
43) Isopropyl Acetate	8.16	43	322284	19.945	ug/l	98
44) Trichloroethene	8.83	130	248726	19.937	ug/l	99
45) 1,2-Dichloropropane	9.12	63	242709	21.603	ug/l	99
46) Dibromomethane	9.21	93	136159	20.804	ug/l	99
47) Bromodichloromethane	9.40	83	286636	20.603	ug/l	99
48) Methyl methacrylate	9.20	41	164632	20.958	ug/l	99
49) 1,4-Dioxane	9.20	88	41188	414.506	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	880010	112.253	ug/l	99
52) Toluene	10.16	92	556801	20.827	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	284611	19.455	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	347016	20.666	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	199578	21.398	ug/l	98
56) Ethyl methacrylate	10.43	69	255769	20.718	ug/l	97
57) 1,3-Dichloropropane	10.71	76	339211	21.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	752026	110.960	ug/l	99
59) 2-Hexanone	10.75	43	601164	113.340	ug/l	99
60) Dibromochloromethane	10.90	129	211094	19.772	ug/l	99
61) 1,2-Dibromoethane	11.01	107	194171	20.498	ug/l	99
64) Tetrachloroethene	10.63	164	273329	18.852	ug/l	99
65) Chlorobenzene	11.43	112	616104	20.766	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	213780	20.720	ug/l	99
67) Ethyl Benzene	11.51	91	1066844	20.909	ug/l	100
68) m/p-Xylenes	11.62	106	810791	41.800	ug/l	99
69) o-Xylene	11.95	106	393130	21.121	ug/l	99
70) Styrene	11.96	104	643072	21.188	ug/l	100
71) Bromoform	12.13	173	144751	19.420	ug/l #	99
73) Isopropylbenzene	12.25	105	1051123	21.885	ug/l	100
74) N-amyl acetate	12.07	43	281583	21.117	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	227170	24.109	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	293392	28.392	ug/l #	100
77) Bromobenzene	12.53	156	268449	21.502	ug/l	98
78) n-propylbenzene	12.59	91	1176692	21.512	ug/l	99
79) 2-Chlorotoluene	12.67	91	703699	20.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	828714	21.169	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	61522	19.189	ug/l	97
82) 4-Chlorotoluene	12.77	91	703761	21.204	ug/l	99
83) tert-Butylbenzene	12.99	119	735936	21.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	840422	21.355	ug/l	99
85) sec-Butylbenzene	13.17	105	968431	20.680	ug/l	100
86) p-Isopropyltoluene	13.29	119	830555	20.525	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	455977	20.636	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	448400	20.039	ug/l	99
89) n-Butylbenzene	13.61	91	666698	19.151	ug/l	100
90) Hexachloroethane	13.87	117	125899	20.274	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	426613	20.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31242	19.176	ug/l	96

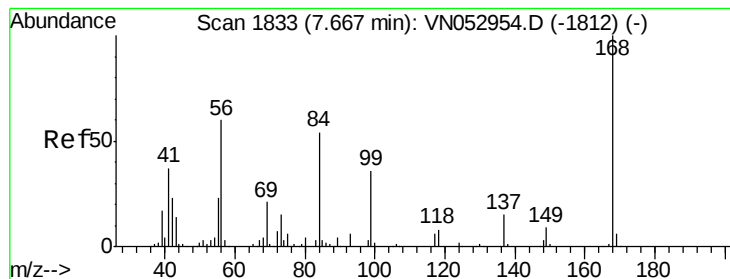
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122418\
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	196064	18.179	ug/l	100
94) Hexachlorobutadiene	15.01	225	133991	21.872	ug/l	98
95) Naphthalene	15.13	128	404288	17.513	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	174651	17.932	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

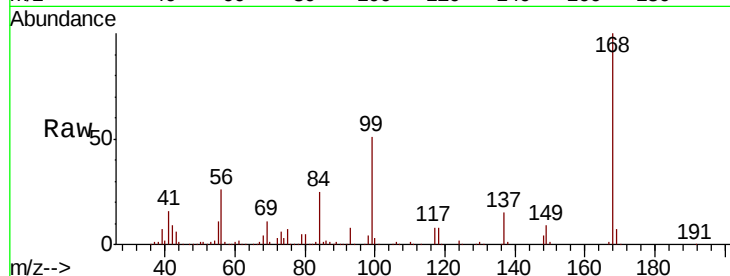
VN1224MBS01

Tot Ion:168 Resp: 1001388

Ion Ratio Lower Upper

168 100

99 51.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

200000

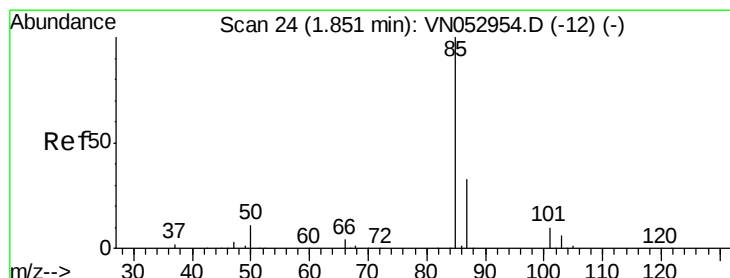
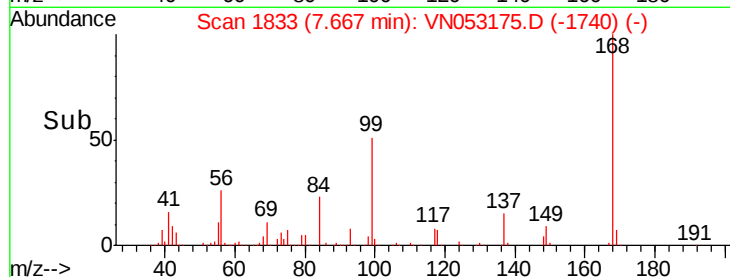
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.010 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053175.D

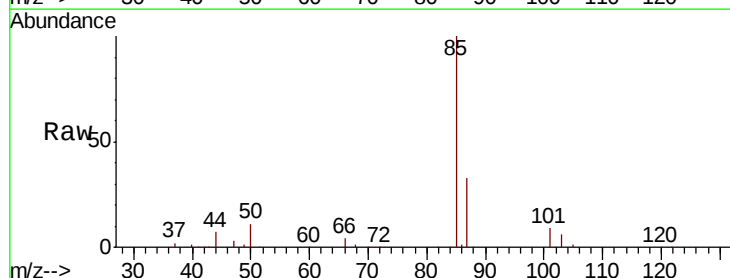
Acq: 24 Dec 2018 10:47

Tgt Ion: 85 Resp: 192663

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

100000

50000

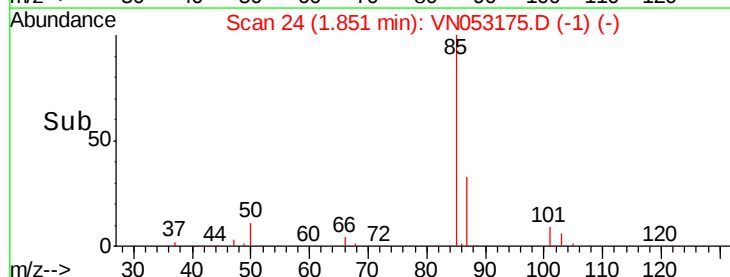
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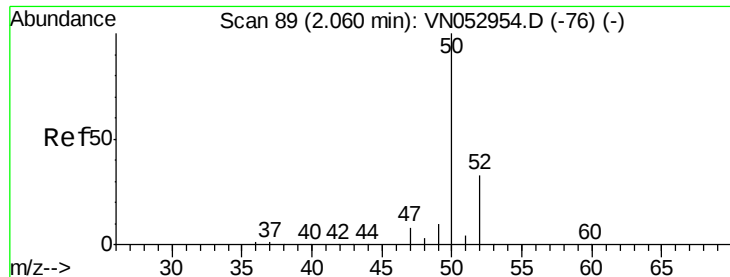
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.120 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

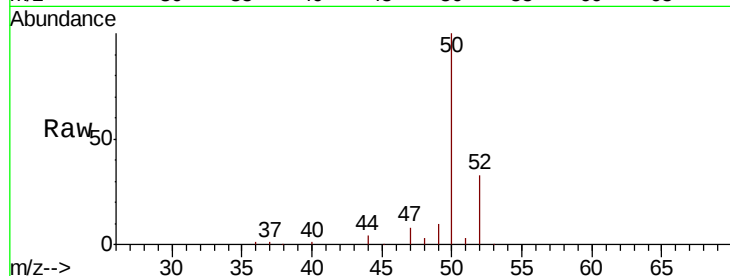
VN1224MBS01

Tot Ion: 50 Resp: 247104

Ion Ratio Lower Upper

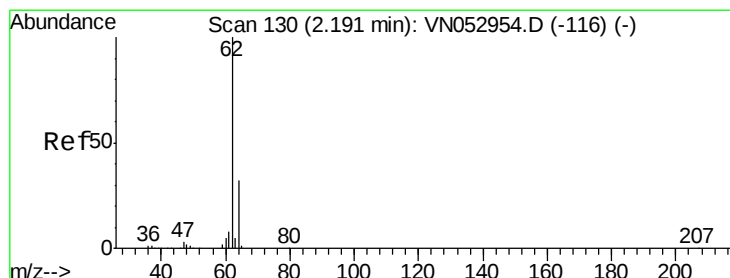
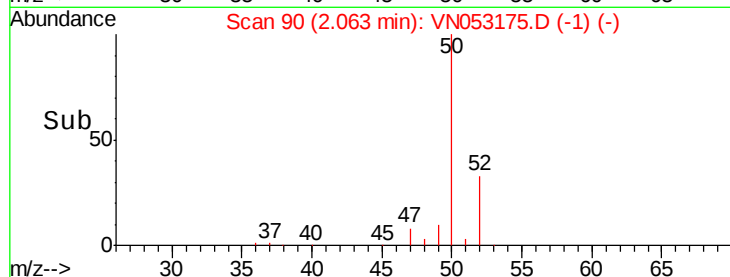
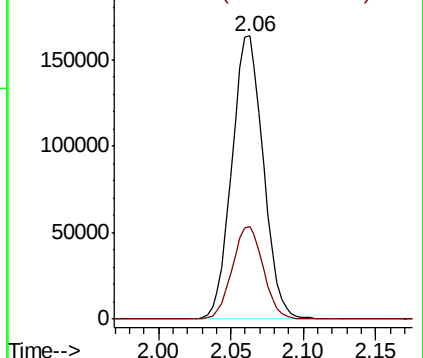
50 100

52 32.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.551 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053175.D

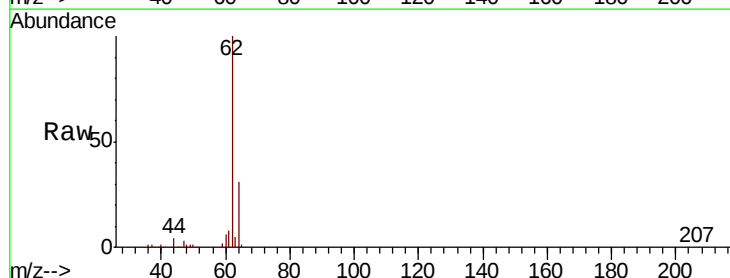
Acq: 24 Dec 2018 10:47

Tgt Ion: 62 Resp: 243180

Ion Ratio Lower Upper

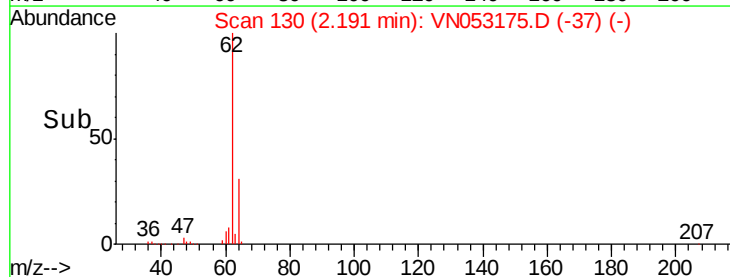
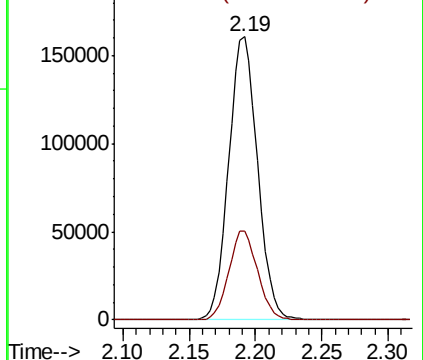
62 100

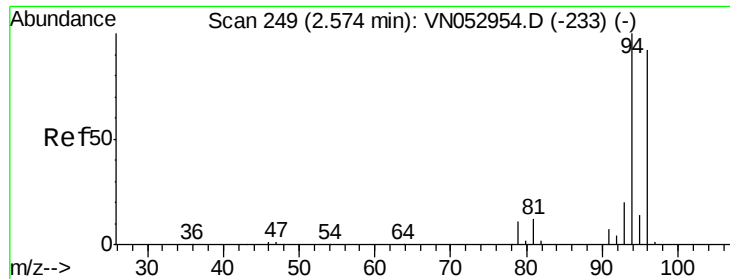
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.512 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

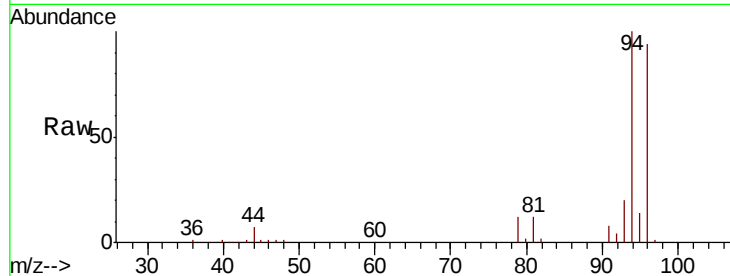
VN1224MBS01

Tot Ion: 94 Resp: 150910

Ion Ratio Lower Upper

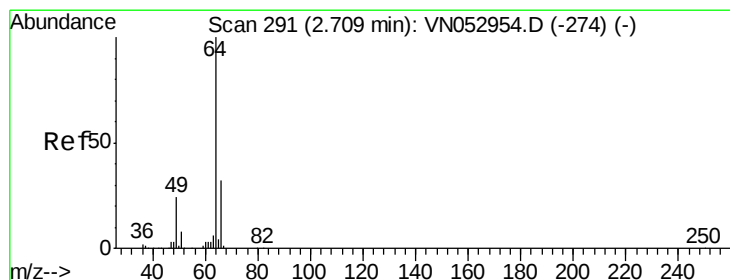
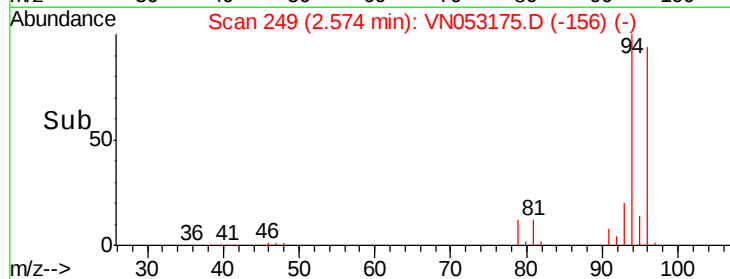
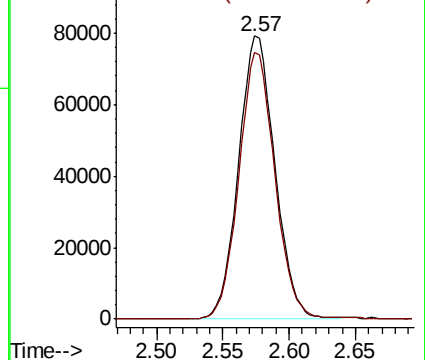
94 100

96 94.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.904 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053175.D

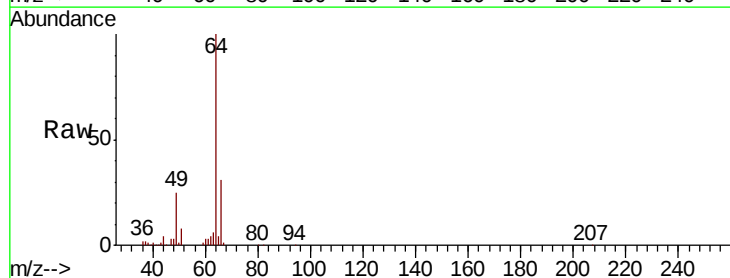
Acq: 24 Dec 2018 10:47

Tgt Ion: 64 Resp: 146624

Ion Ratio Lower Upper

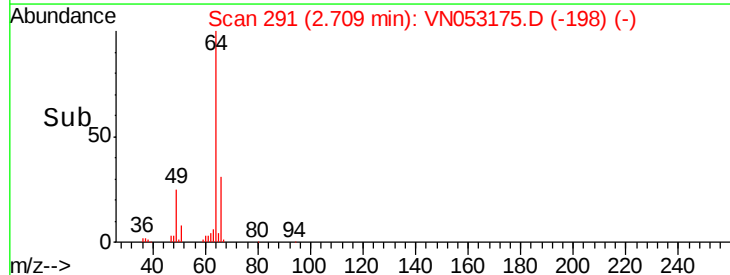
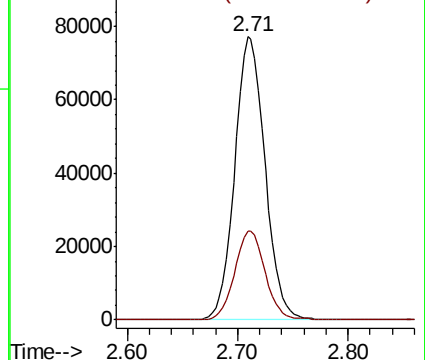
64 100

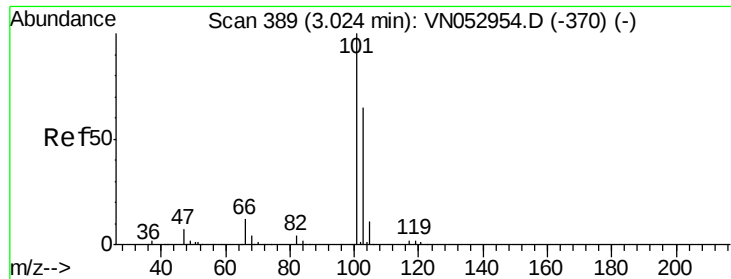
66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



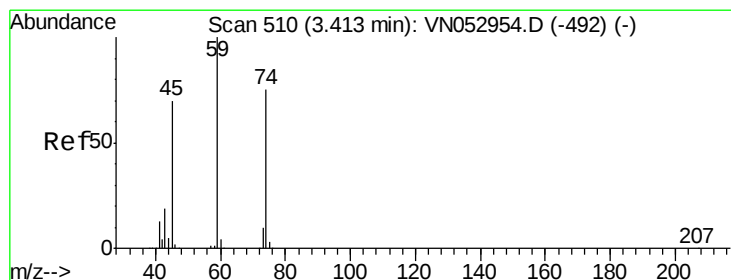
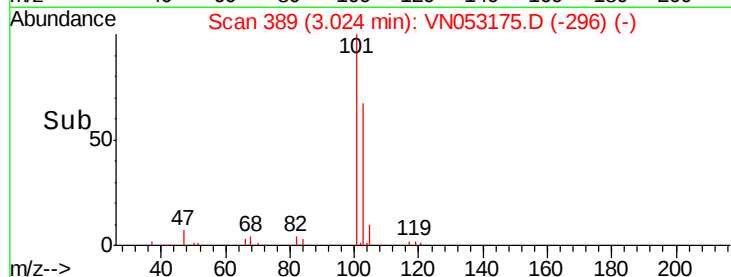
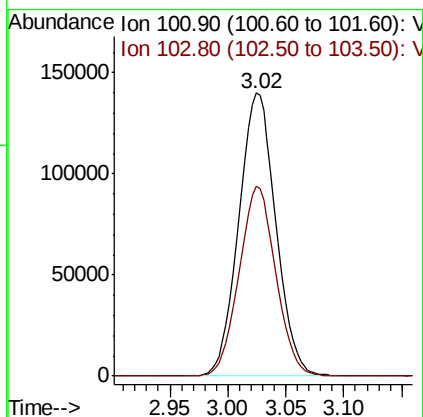
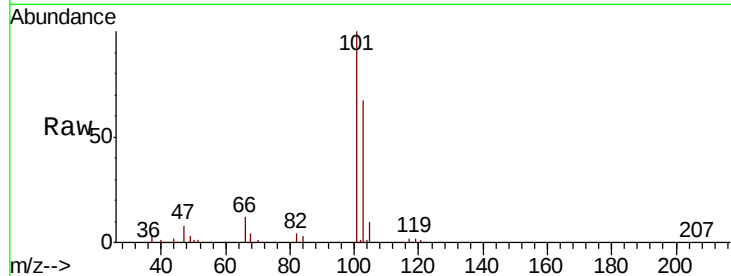


#7

Trichlorofluoromethane
 Concen: 20.087 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

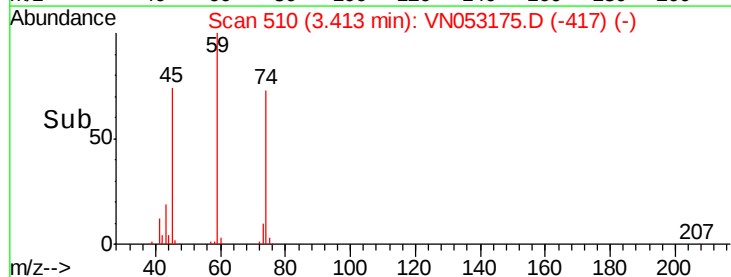
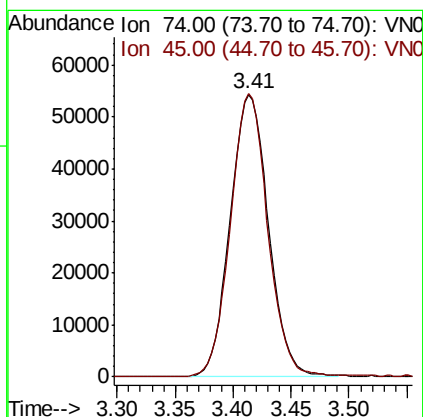
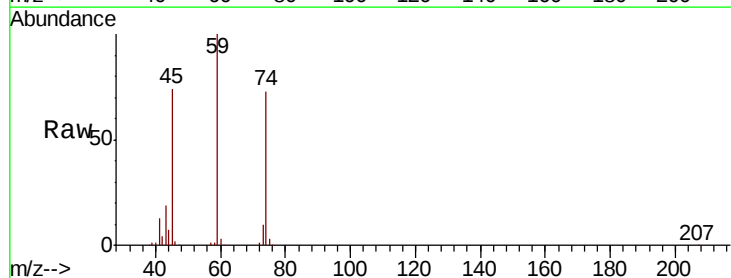
Tot Ion:101 Resp: 311247
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.8 77.6

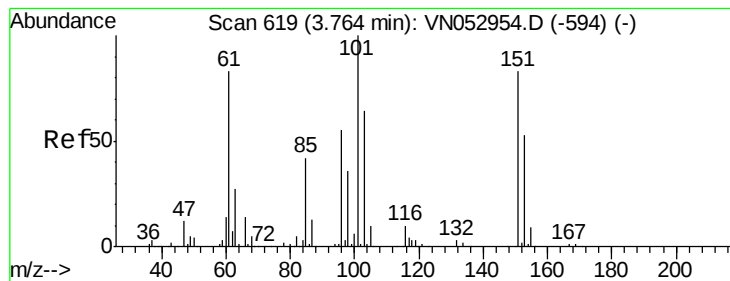


#8

Diethyl Ether
 Concen: 21.241 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion: 74 Resp: 124161
 Ion Ratio Lower Upper
 74 100
 45 97.7 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.777 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

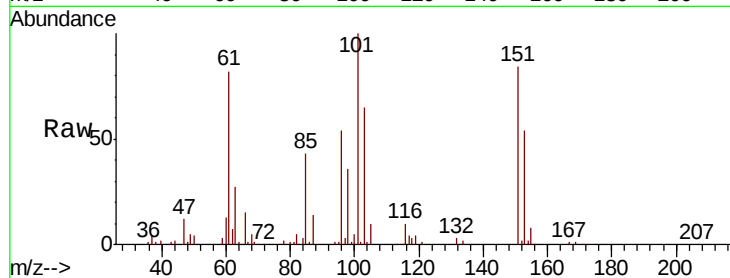
Tot Ion:101 Resp: 205263

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

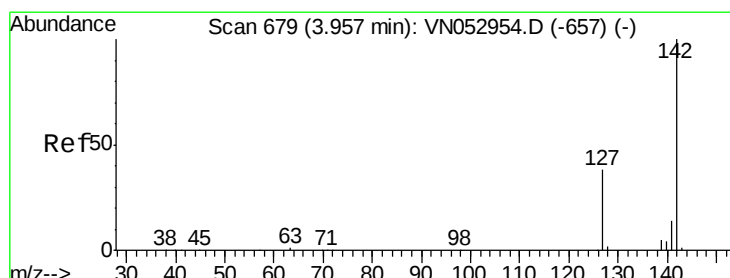
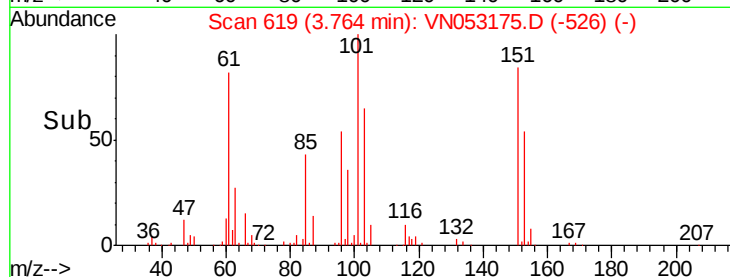
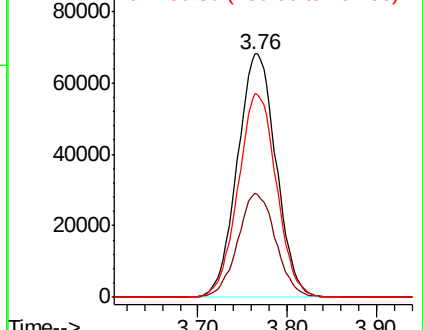
151 83.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.779 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

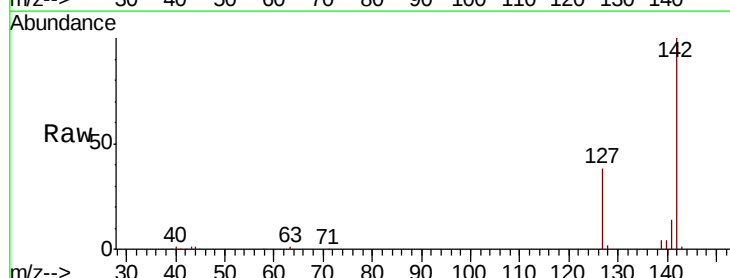
Tgt Ion:142 Resp: 232792

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

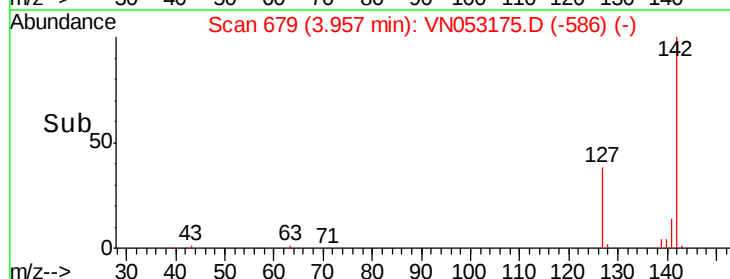
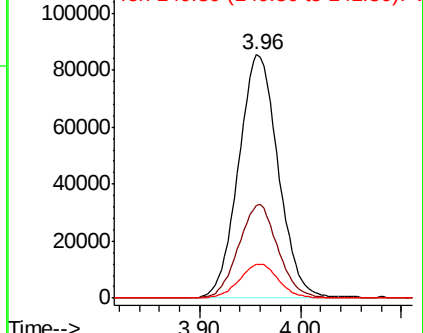
141 13.7 11.2 16.8

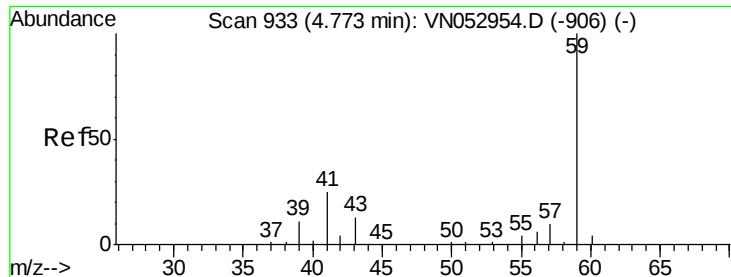


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



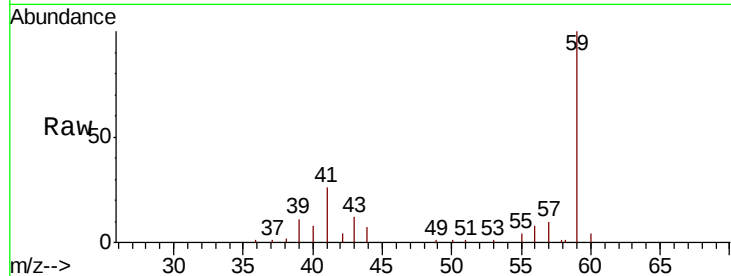


#11

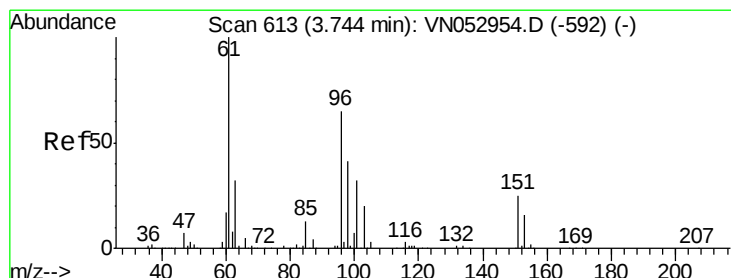
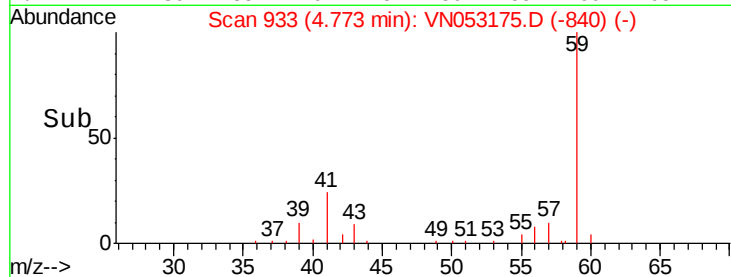
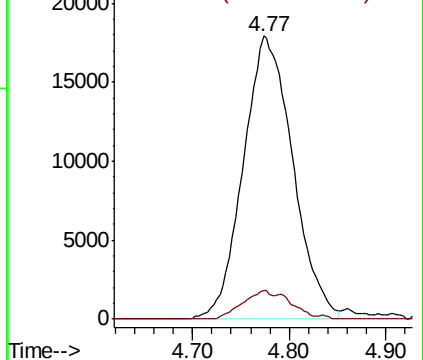
Tert butyl alcohol
 Concen: 102.839 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

Tot Ion: 59 Resp: 63766
 Ion Ratio Lower Upper
 59 100
 57 5.9 7.7 11.5#



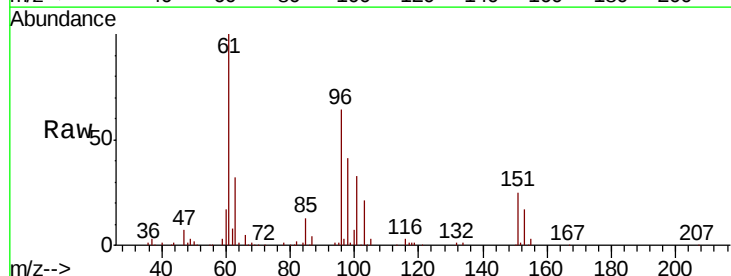
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



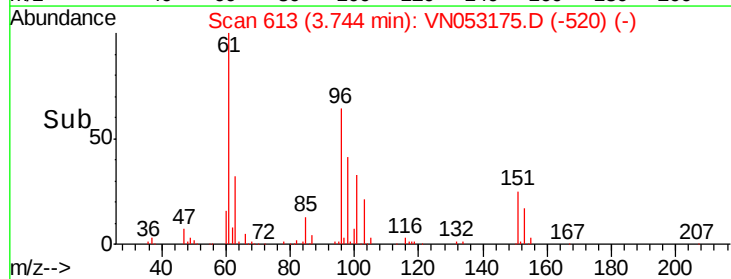
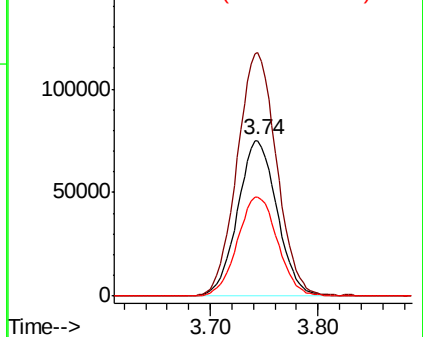
#12

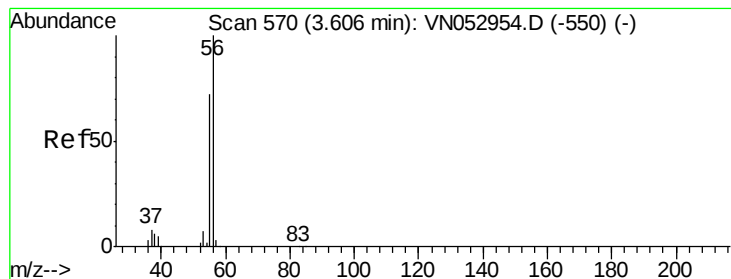
1,1-Dichloroethene
 Concen: 19.996 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion: 96 Resp: 190855
 Ion Ratio Lower Upper
 96 100
 61 156.6 125.6 188.4
 98 63.5 50.6 75.8



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





#13

Acrolein

Concen: 113.281 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

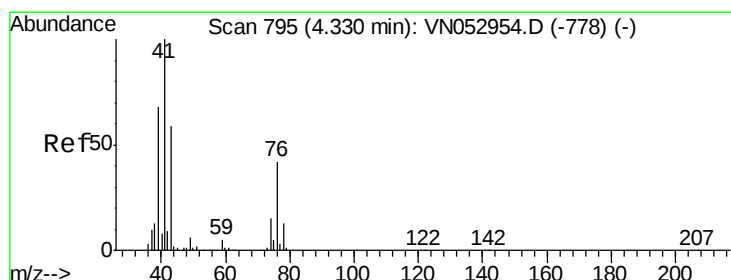
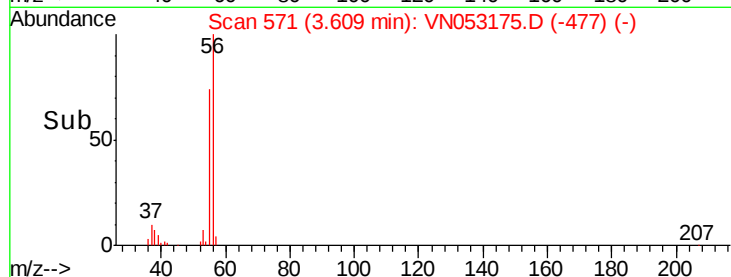
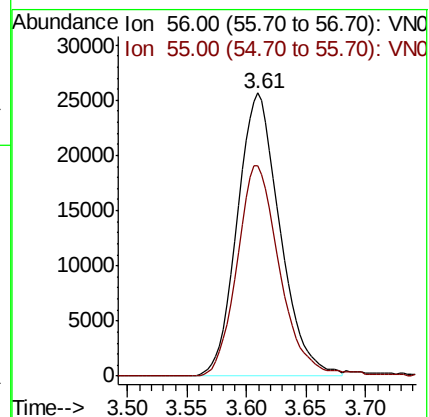
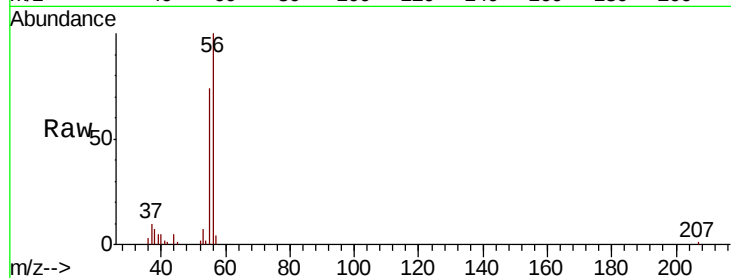
VN1224MBS01

Tot Ion: 56 Resp: 63690

Ion Ratio Lower Upper

56 100

55 73.9 56.6 85.0



#14

Allyl chloride

Concen: 21.834 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

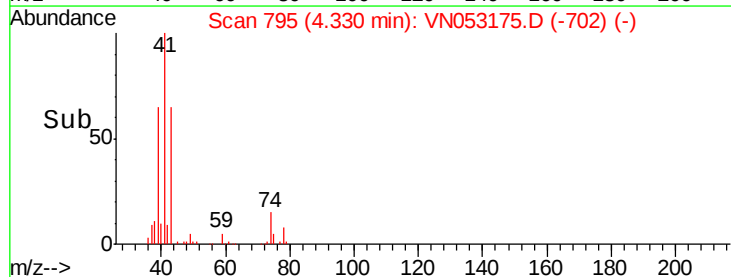
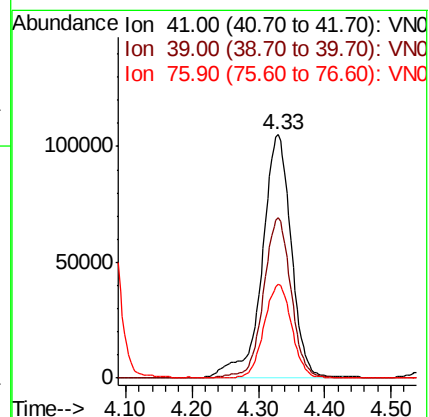
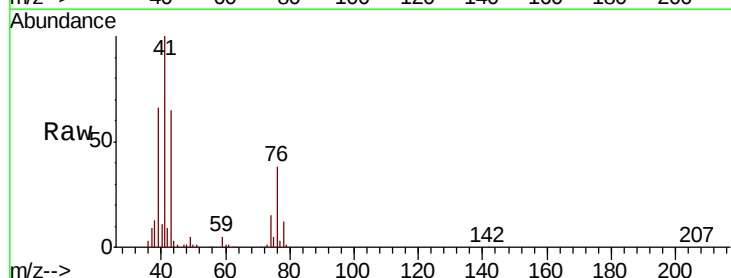
Tgt Ion: 41 Resp: 322798

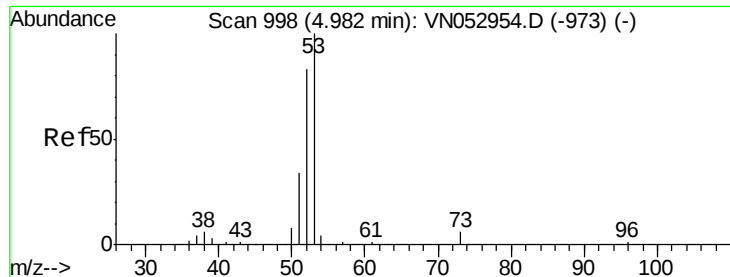
Ion Ratio Lower Upper

41 100

39 62.3 54.1 81.1

76 35.8 30.3 45.5





#15

Acrylonitrile

Concen: 106.506 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

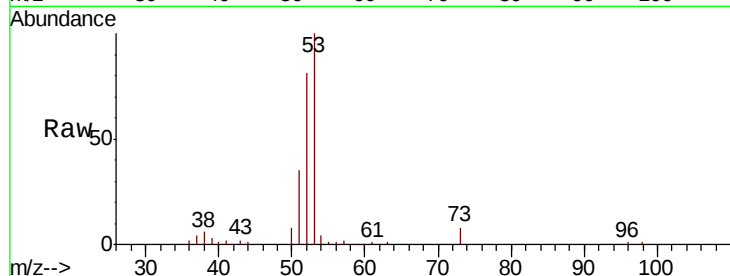
Tot Ion: 53 Resp: 366883

Ion Ratio Lower Upper

53 100

52 81.8 65.1 97.7

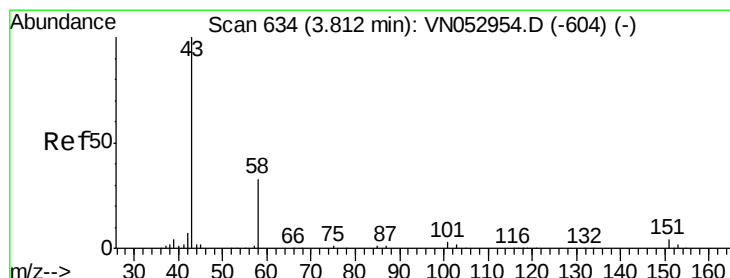
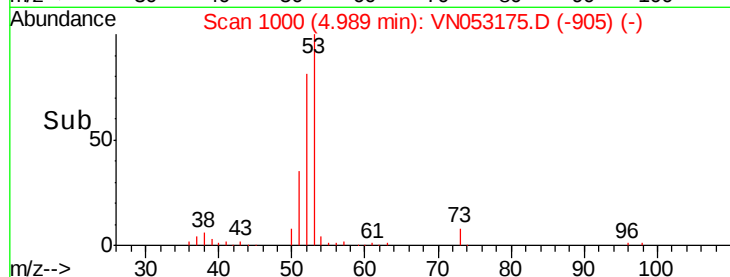
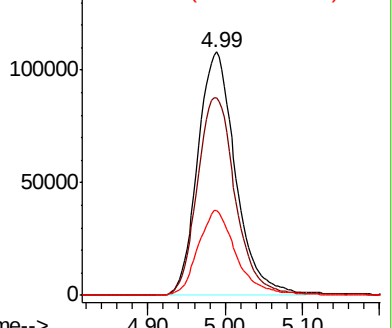
51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053175.D (-1000) (-)

Ion 52.00 (51.70 to 52.70): VN053175.D (-1000) (-)

Ion 51.00 (50.70 to 51.70): VN053175.D (-1000) (-)



#16

Acetone

Concen: 106.785 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053175.D

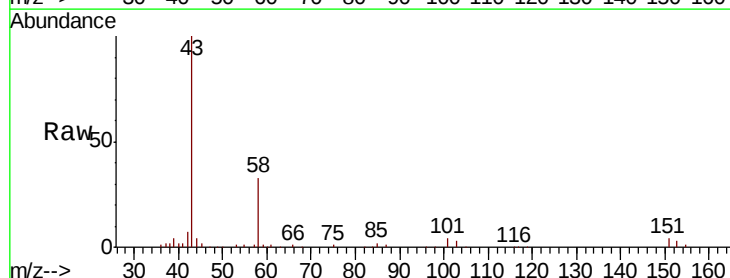
Acq: 24 Dec 2018 10:47

Tgt Ion: 43 Resp: 212767

Ion Ratio Lower Upper

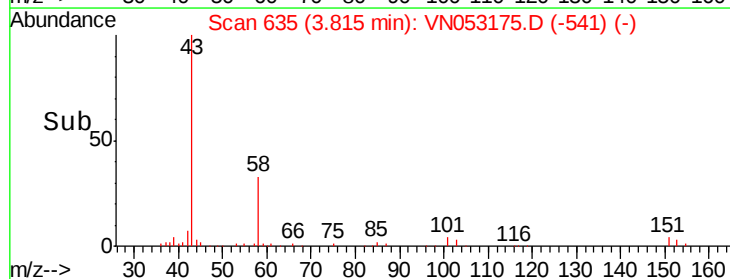
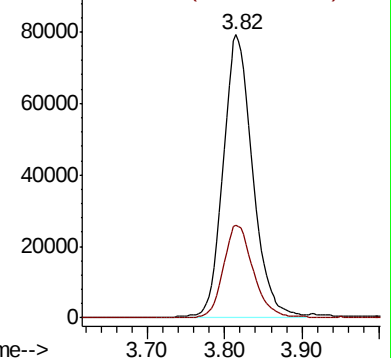
43 100

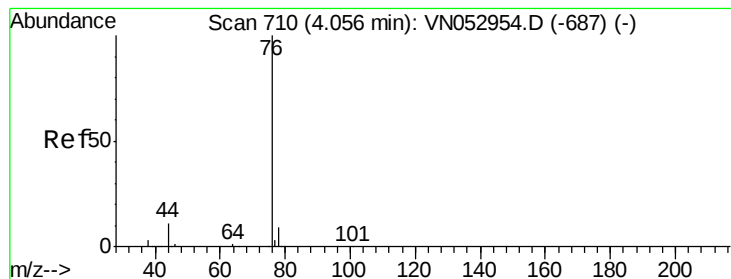
58 32.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053175.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053175.D (-541) (-)





#17

Carbon Disulfide

Concen: 16.757 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

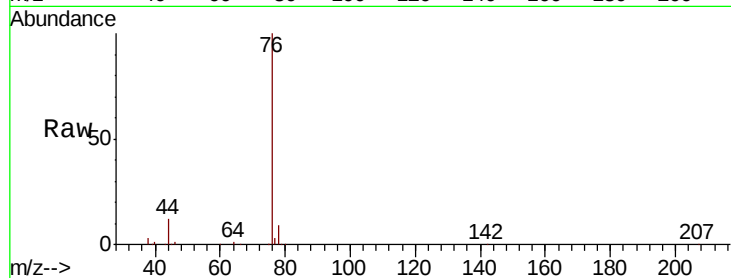
VN1224MBS01

Tot Ion: 76 Resp: 521598

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

200000

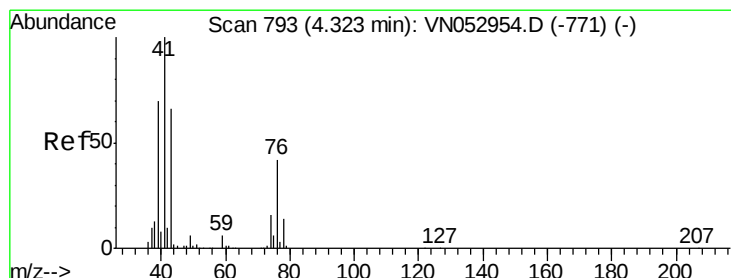
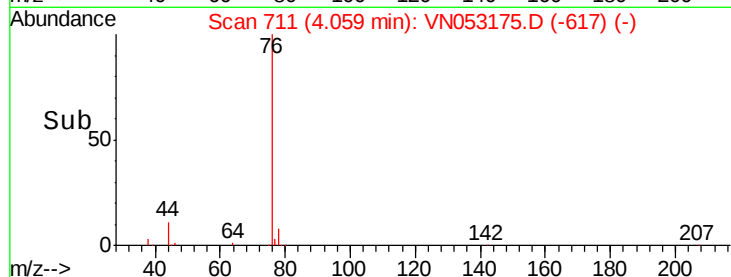
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 22.697 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053175.D

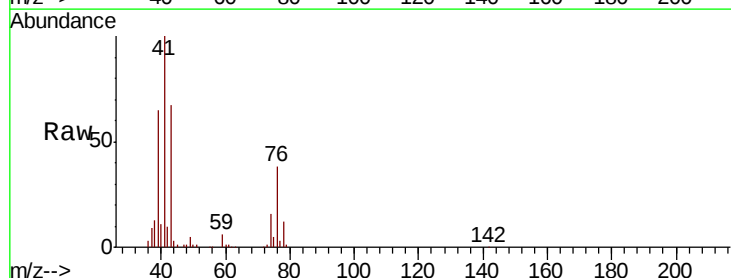
Acq: 24 Dec 2018 10:47

Tgt Ion: 43 Resp: 200260

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.33

80000

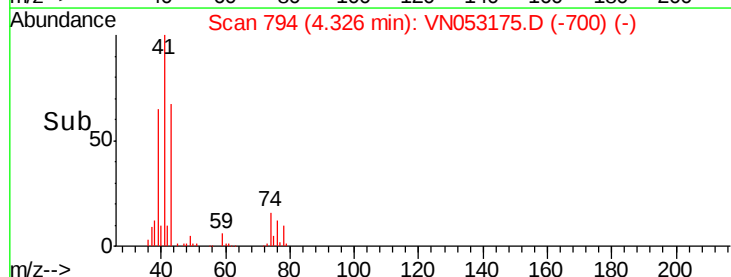
60000

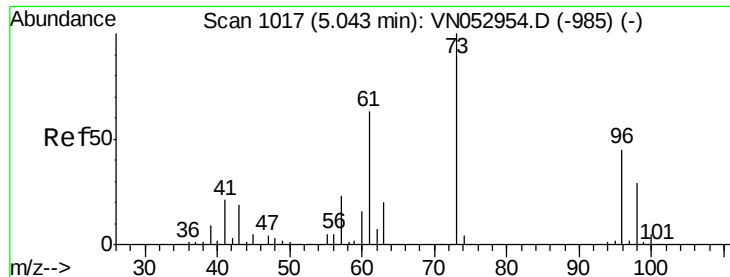
40000

20000

0

Time--> 4.20 4.30 4.40

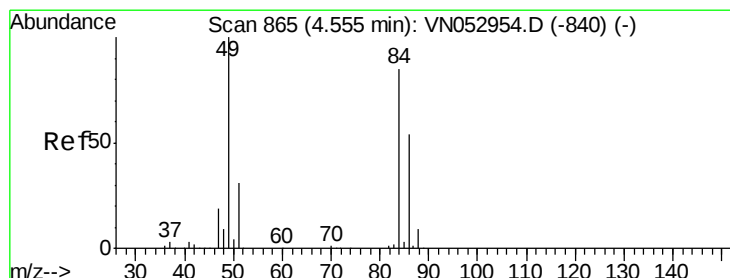
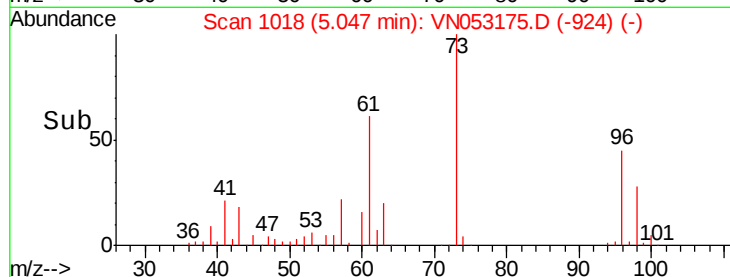
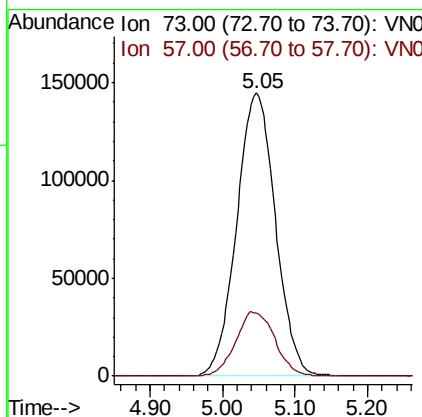
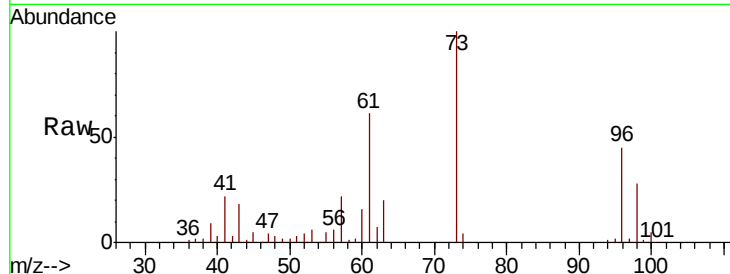




#19
Methvl tert-butvl Ether
Concen: 21.066 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

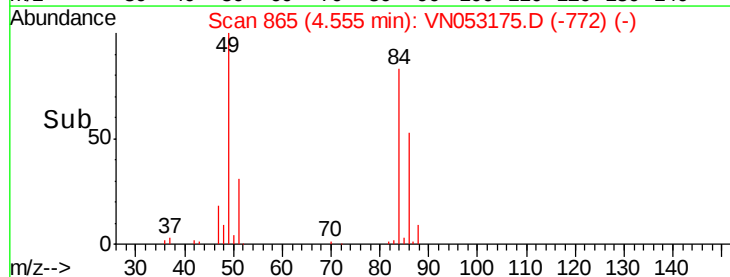
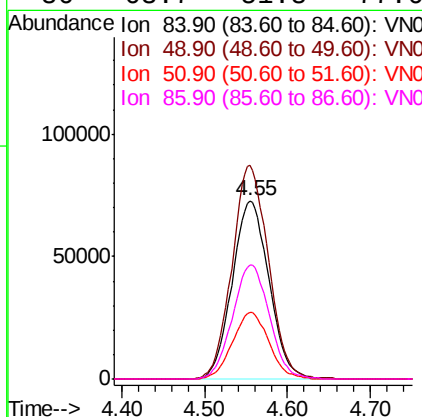
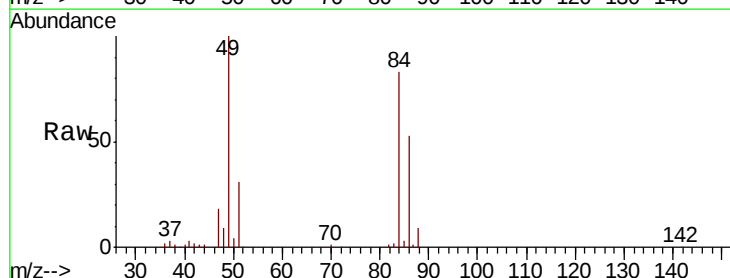
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

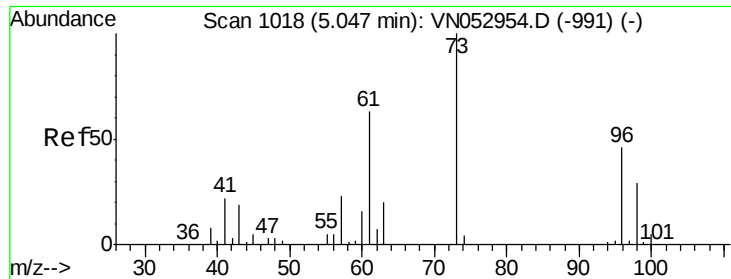
Tot Ion: 73 Resp: 538068
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 20.676 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 84 Resp: 224723
Ion Ratio Lower Upper
84 100
49 119.8 96.8 145.2
51 37.4 29.9 44.9
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.002 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampled :

VN1224MBS01

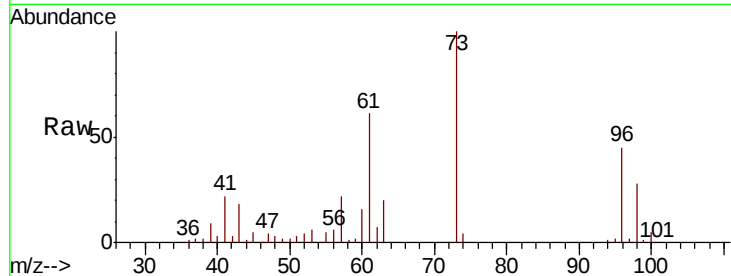
Tot Ion: 96 Resp: 205120

Ion Ratio Lower Upper

96 100

61 134.1 110.8 166.2

98 61.2 51.4 77.2

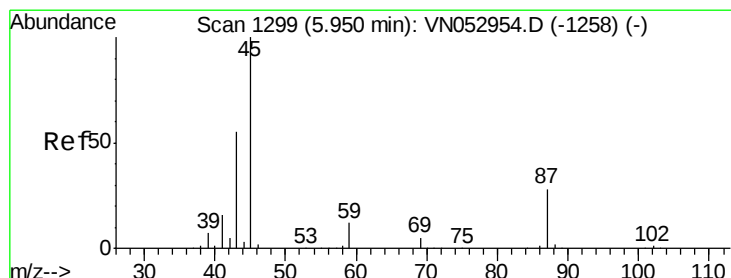
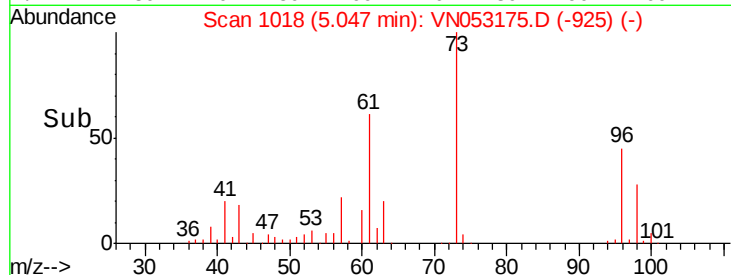
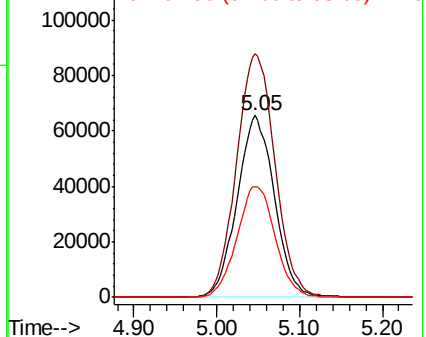


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.817 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Tgt Ion: 45 Resp: 688484

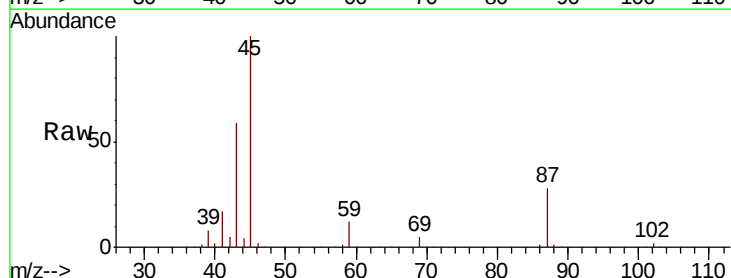
Ion Ratio Lower Upper

45 100

43 57.6 45.5 68.3

87 27.8 22.0 33.0

59 12.2 9.4 14.0



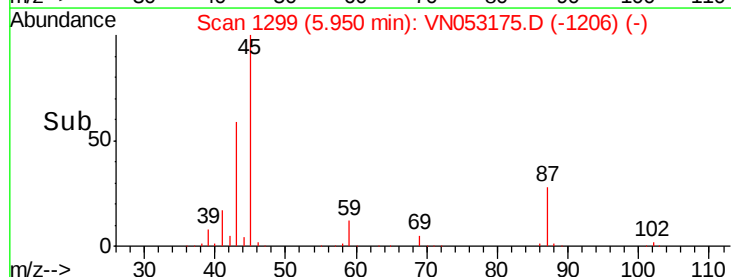
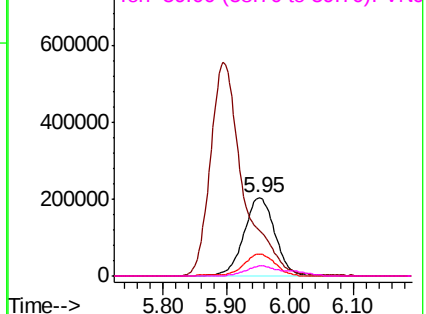
Abundance

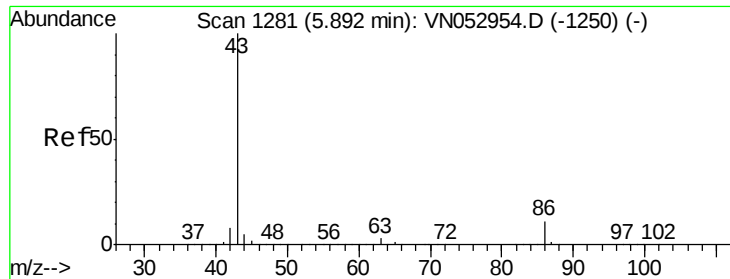
Ion 45.00 (44.70 to 45.70): VN0

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: 109.295 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampled :

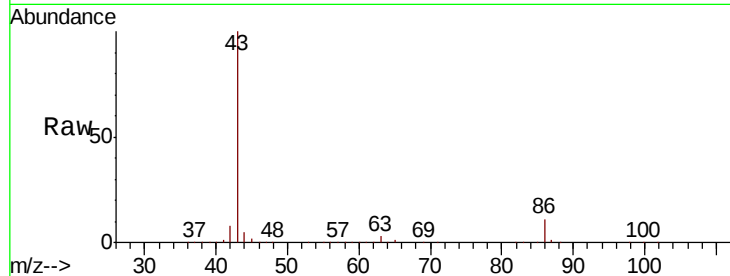
VN1224MBS01

Tot Ion: 43 Resp: 1983294

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053175.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053175.D (-1188) (-)

5.90

600000

500000

400000

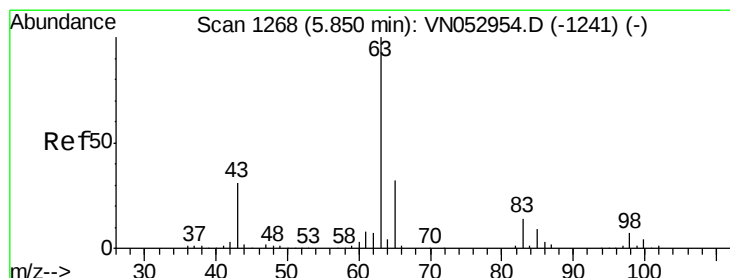
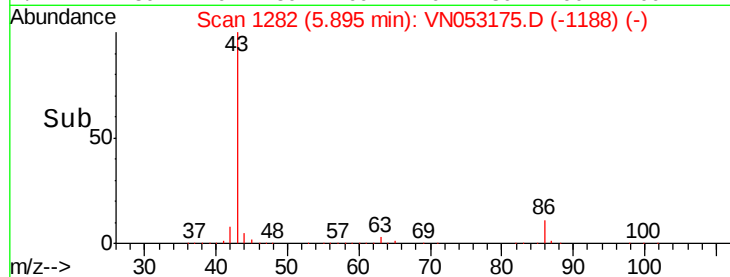
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.102 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

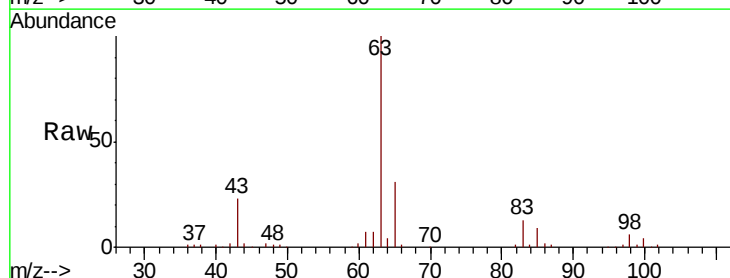
Tgt Ion: 63 Resp: 395702

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053175.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053175.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053175.D (-1175) (-)

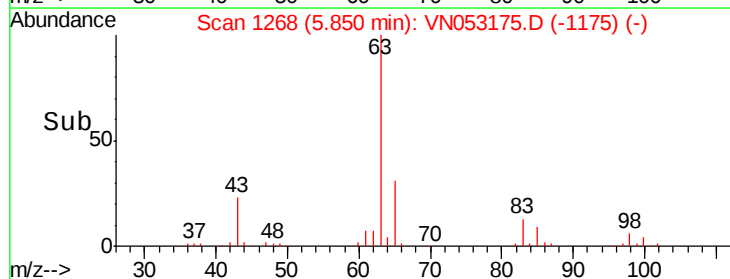
150000

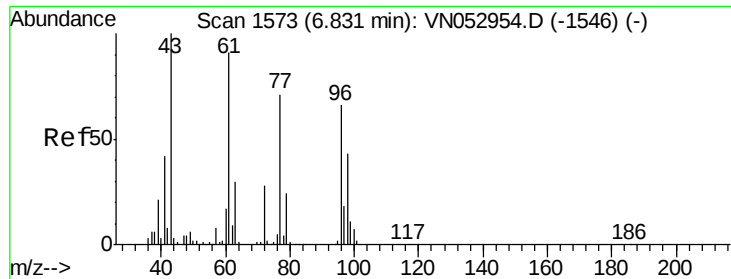
100000

50000

0

Time-->





#25

2-Butanone

Concen: 112.548 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampled :

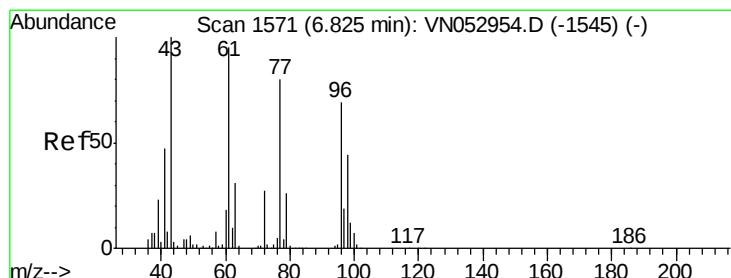
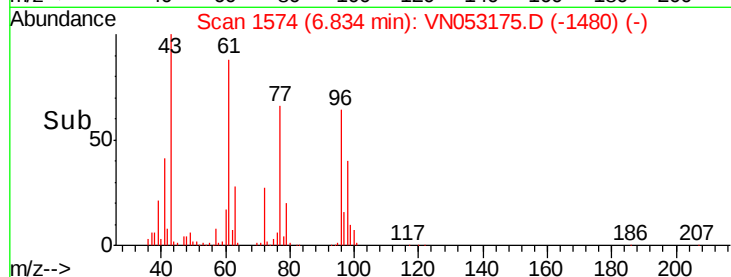
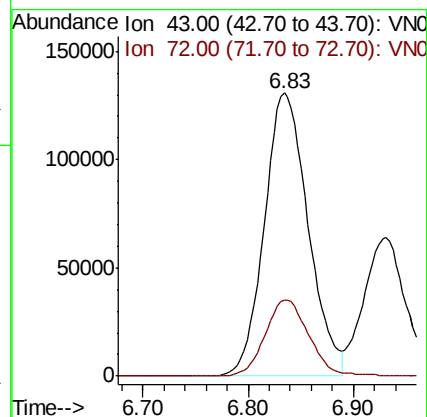
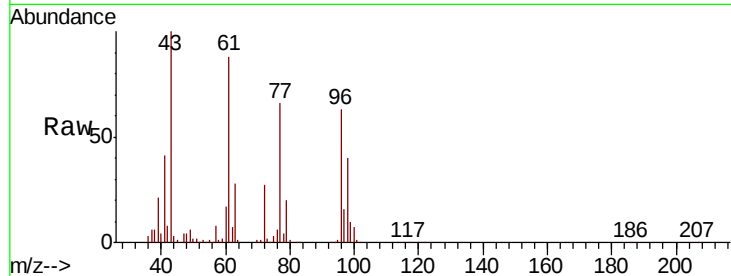
VN1224MBS01

Tot Ion: 43 Resp: 376347

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.6



#26

2,2-Dichloropropane

Concen: 20.123 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053175.D

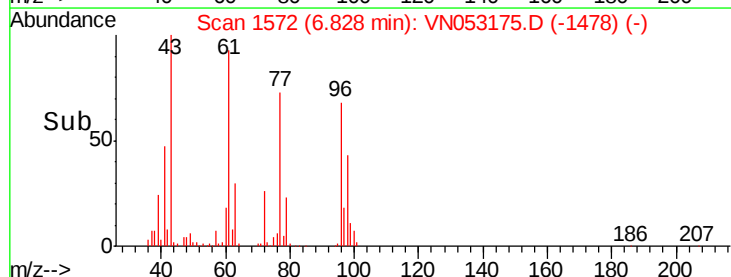
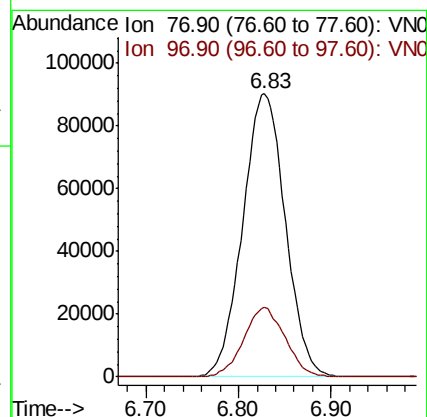
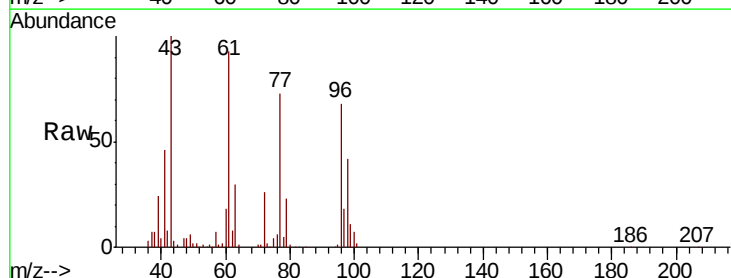
Acq: 24 Dec 2018 10:47

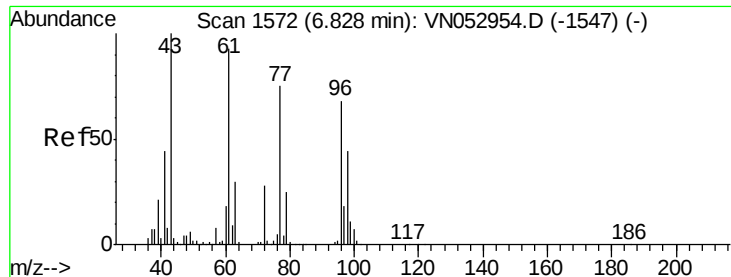
Tgt Ion: 77 Resp: 288053

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.798 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

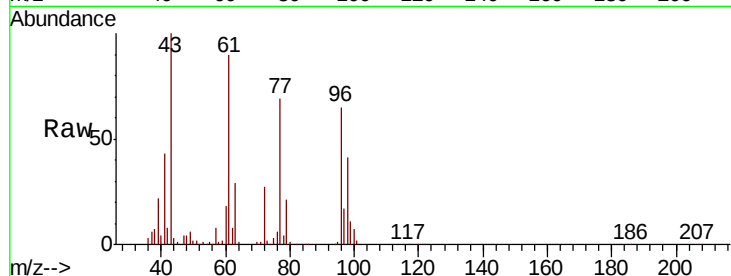
Tot Ion: 96 Resp: 241455

Ion Ratio Lower Upper

96 100

61 141.3 0.0 284.2

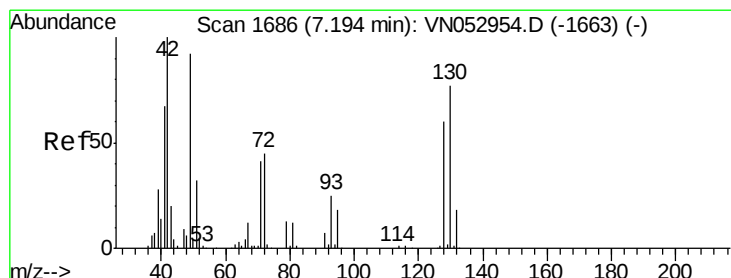
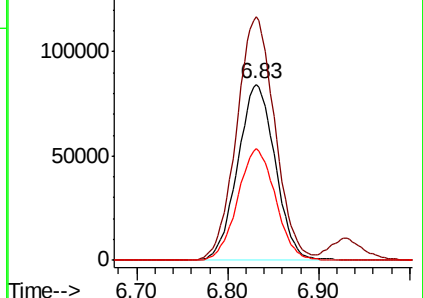
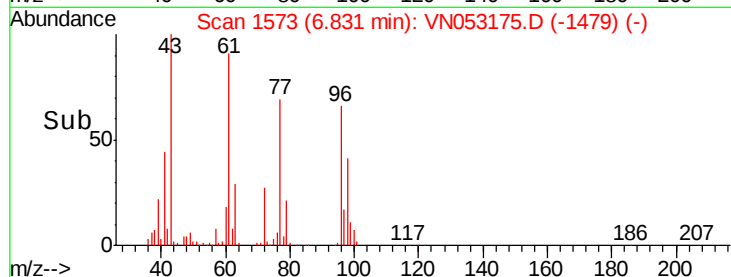
98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.940 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

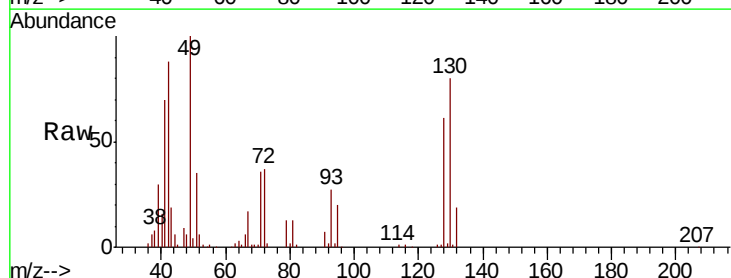
Tgt Ion: 49 Resp: 186406

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

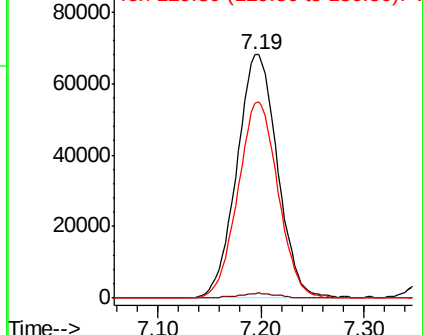
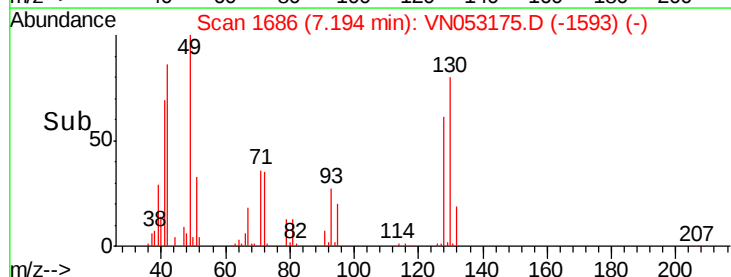
130 79.6 63.3 94.9

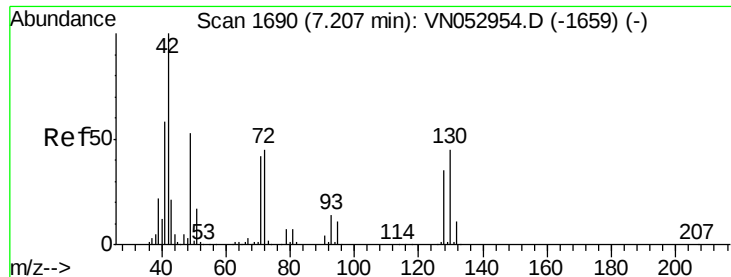


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.069 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

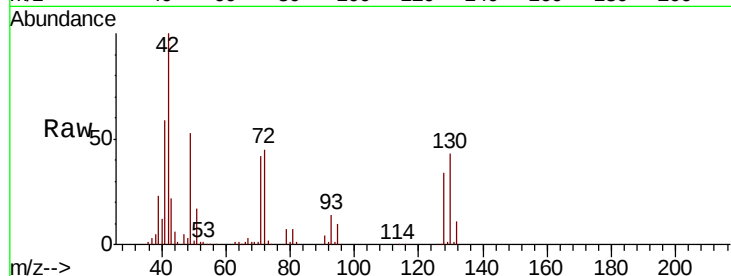
Tot Ion: 42 Resp: 274890

Ion Ratio Lower Upper

42 100

72 43.3 34.7 52.1

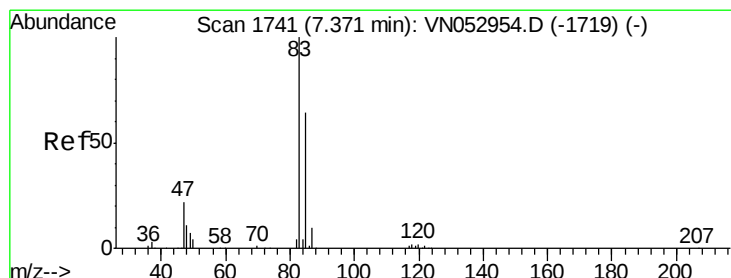
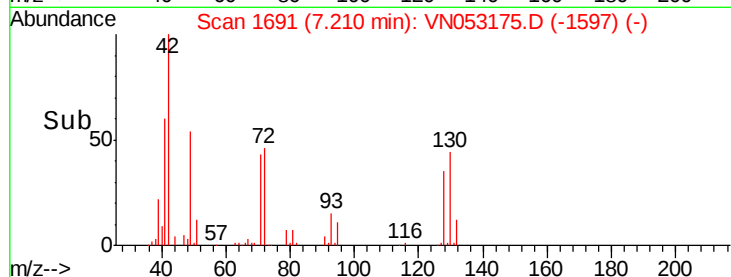
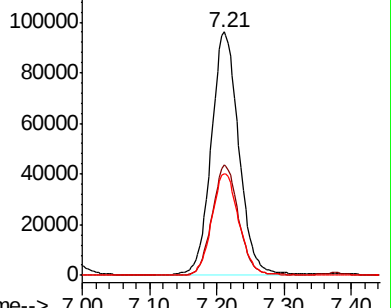
71 40.9 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN052954.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN052954.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN052954.D (-1659) (-)



#30

Chloroform

Concen: 20.819 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053175.D

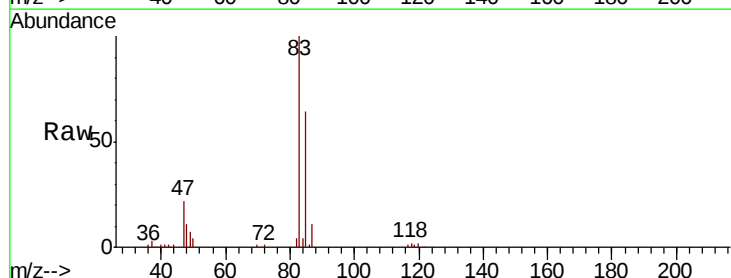
Acq: 24 Dec 2018 10:47

Tgt Ion: 83 Resp: 383507

Ion Ratio Lower Upper

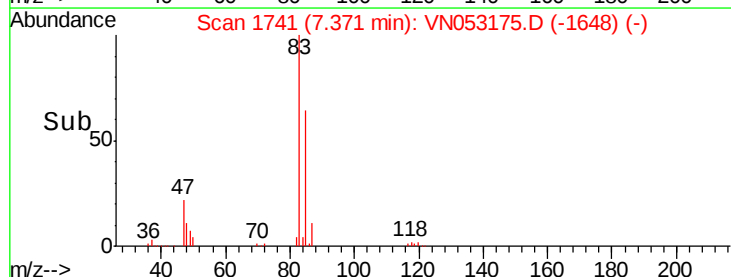
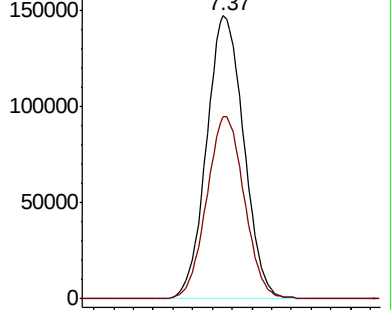
83 100

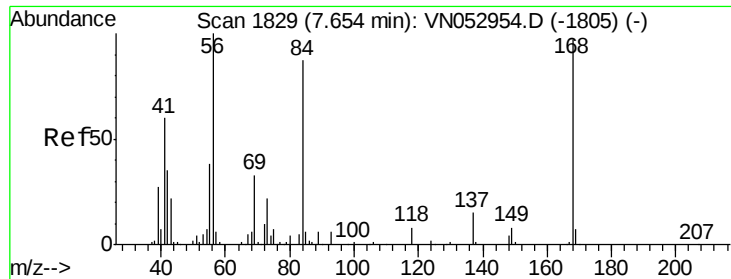
85 64.5 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN052954.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN052954.D (-1719) (-)

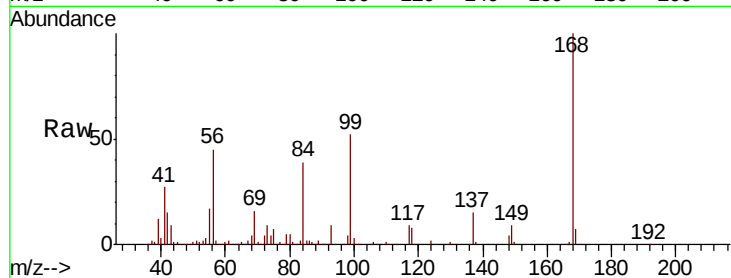




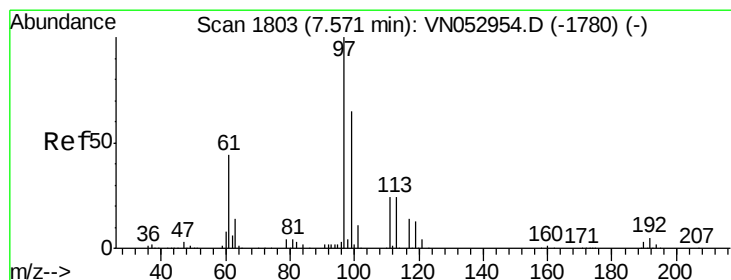
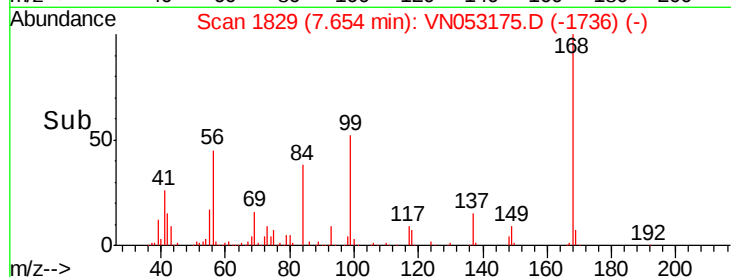
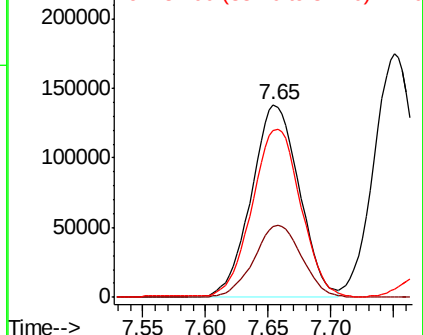
#31
Cyclohexane
Concen: 20.283 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

Tot Ion: 56 Resp: 367708
Ion Ratio Lower Upper
56 100
69 36.6 26.6 39.8
84 85.9 68.4 102.6

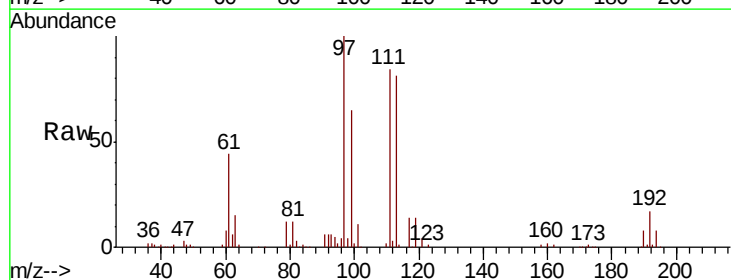


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

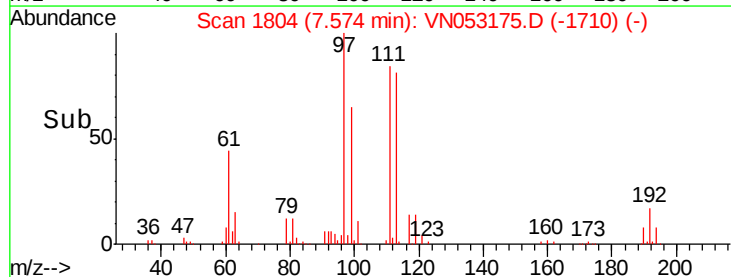
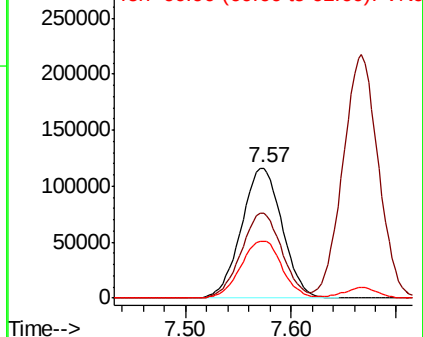


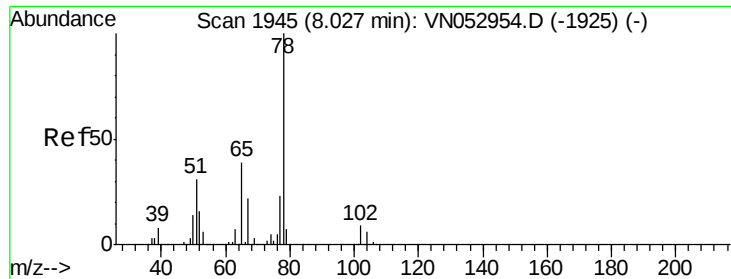
#32
1,1,1-Trichloroethane
Concen: 19.929 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 97 Resp: 312741
Ion Ratio Lower Upper
97 100
99 65.2 51.1 76.7
61 44.5 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

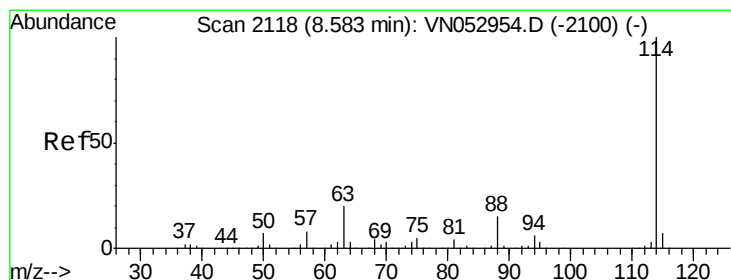
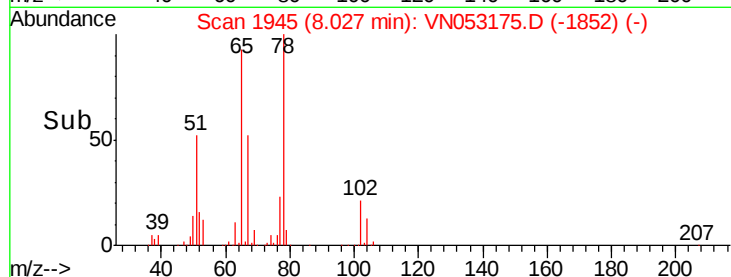
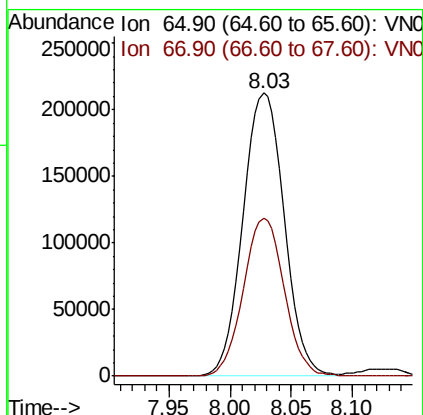
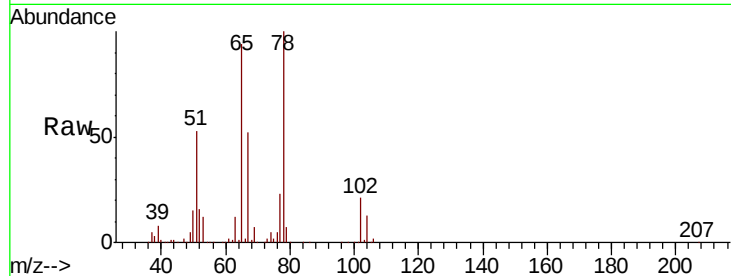




#33
 1,2-Dichloroethane-d4
 Concen: 19.929 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

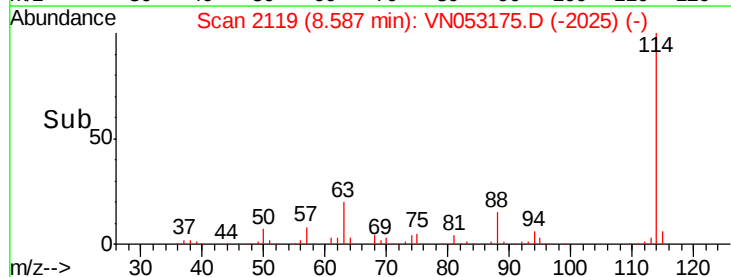
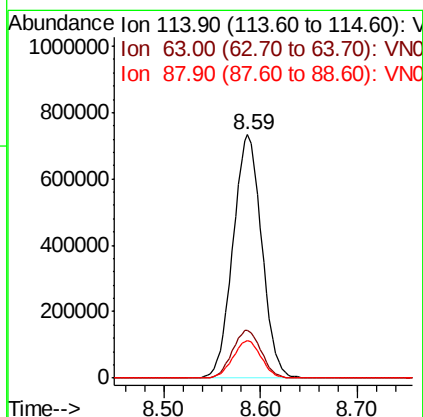
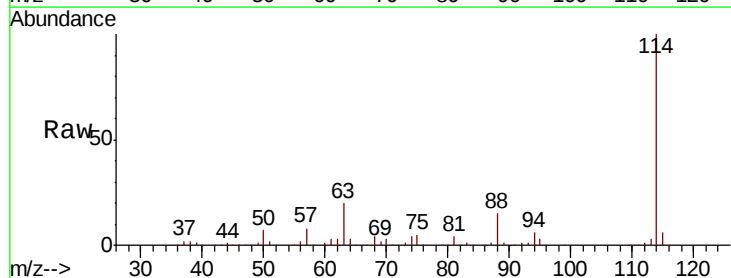
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

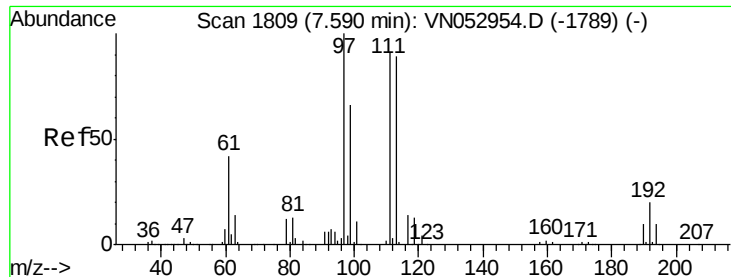
Tot Ion: 65 Resp: 498586
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion: 114 Resp: 1510796
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

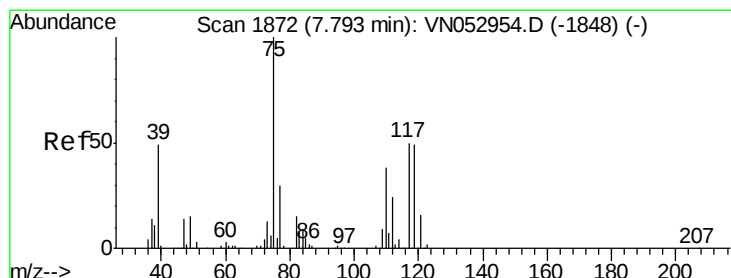
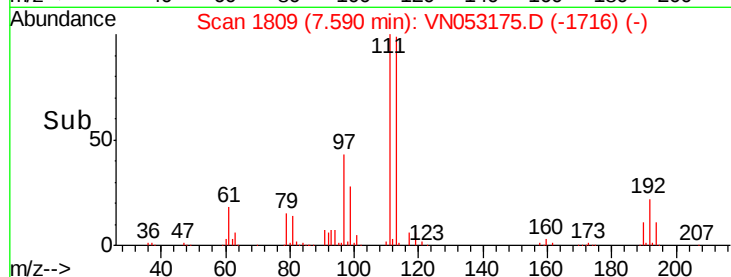
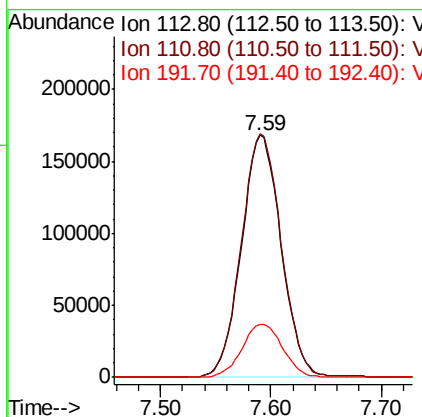
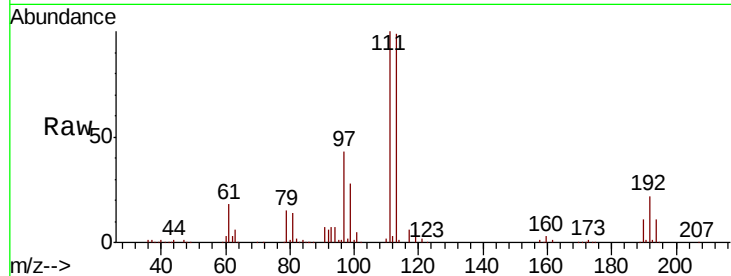




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

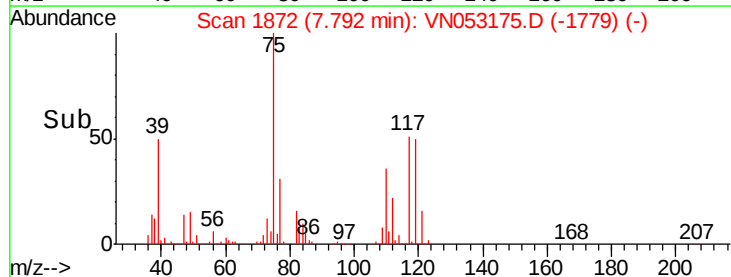
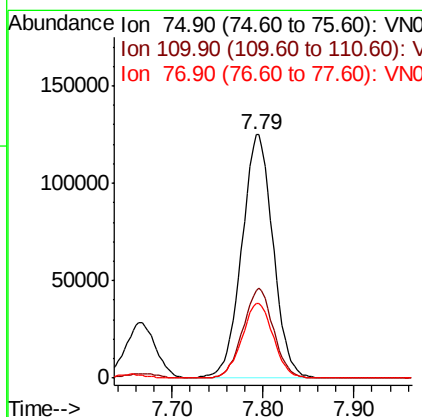
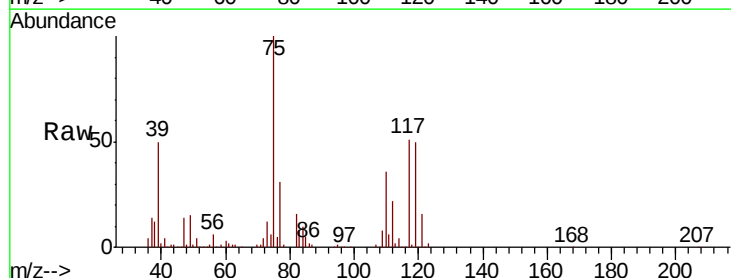
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

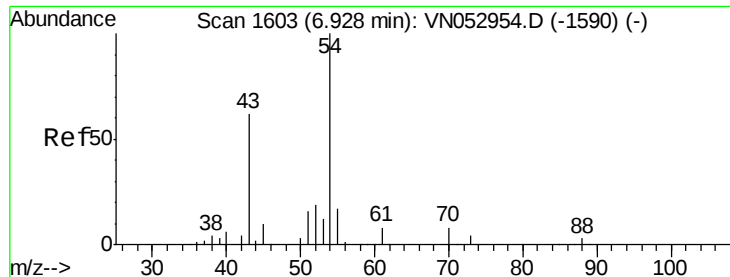
Tot Ion:113 Resp: 418778
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 22.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 20.458 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion: 75 Resp: 296666
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.2 54.6
 77 31.0 24.9 37.3

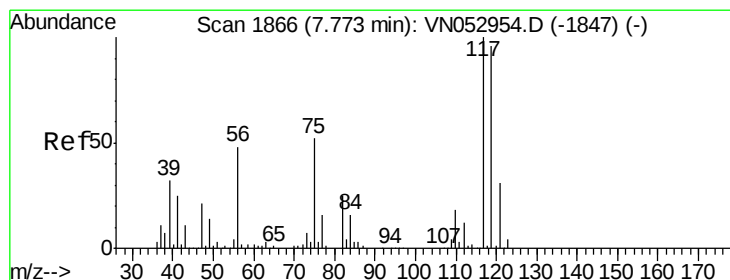
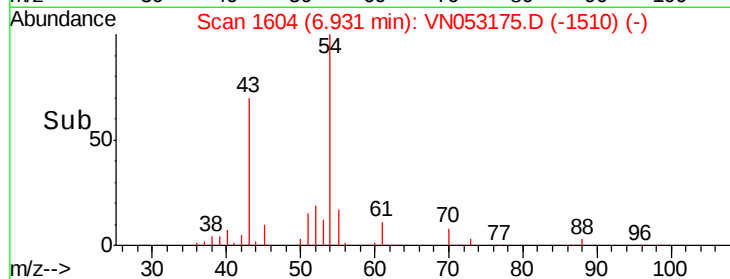
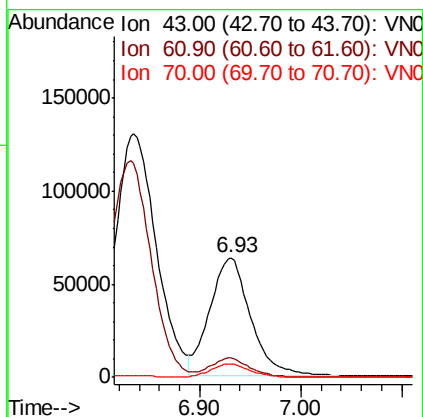
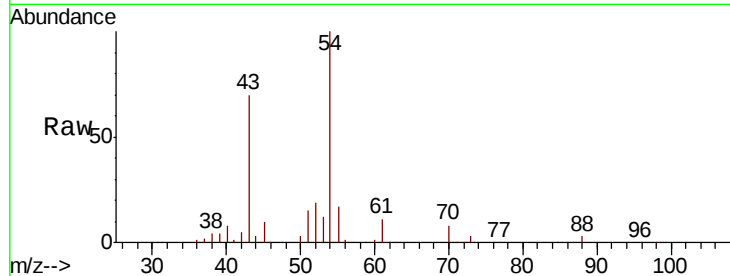




#37
Ethyl Acetate
Concen: 22.022 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

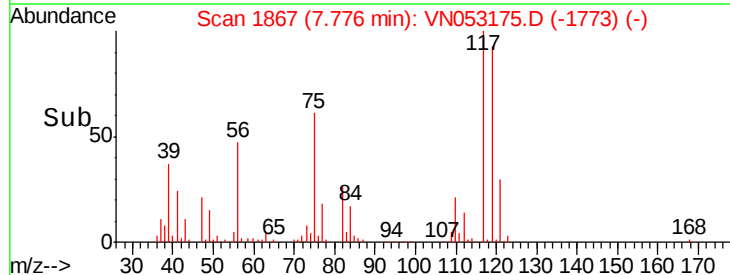
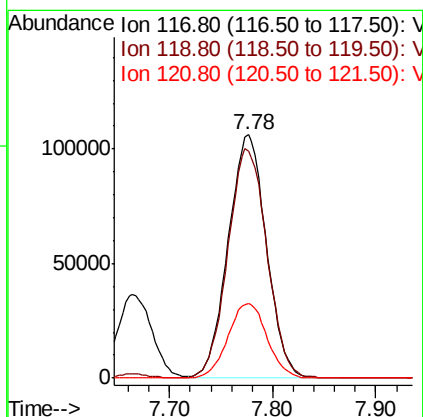
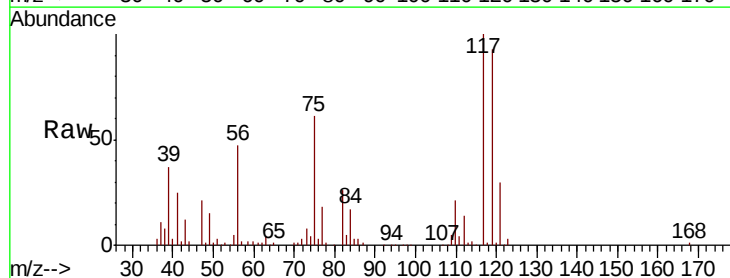
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

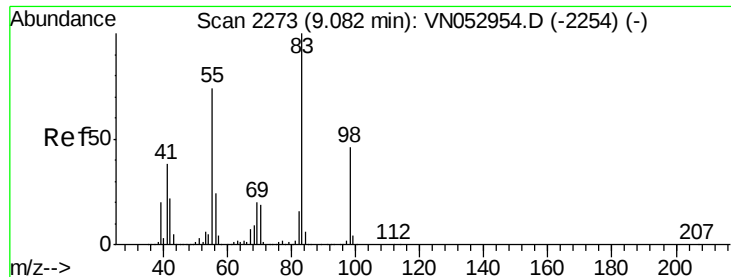
Tot Ion: 43 Resp: 178268
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.513 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 117 Resp: 272653
Ion Ratio Lower Upper
117 100
119 93.4 77.1 115.7
121 30.5 24.9 37.3

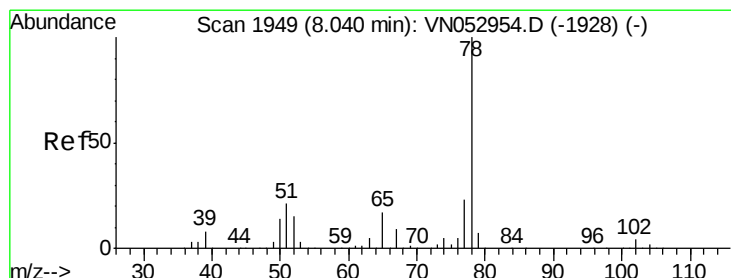
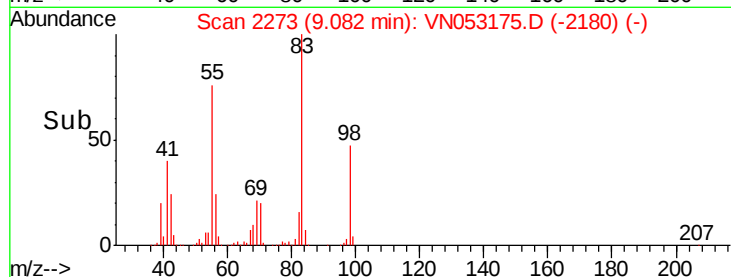
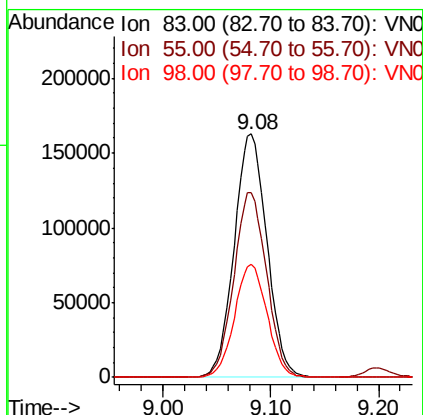
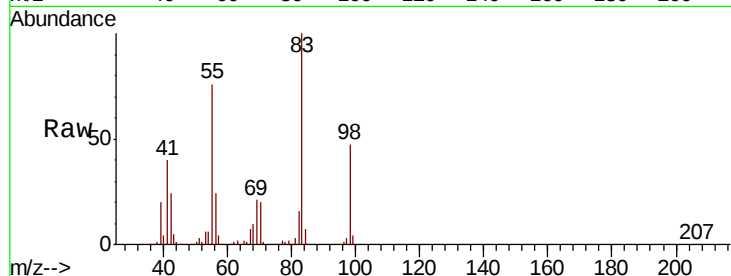




#39
Methvlcvclohexane
Concen: 19.546 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

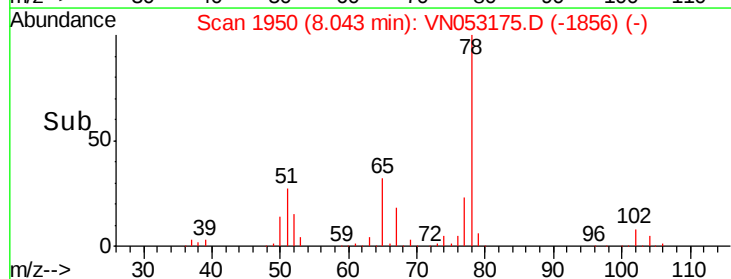
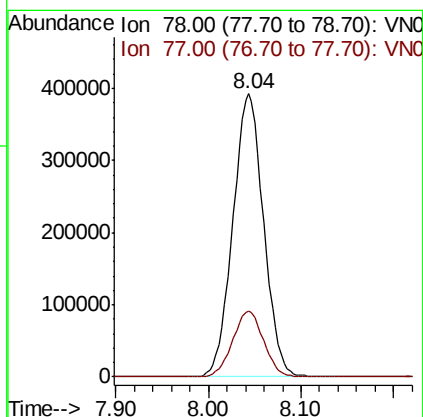
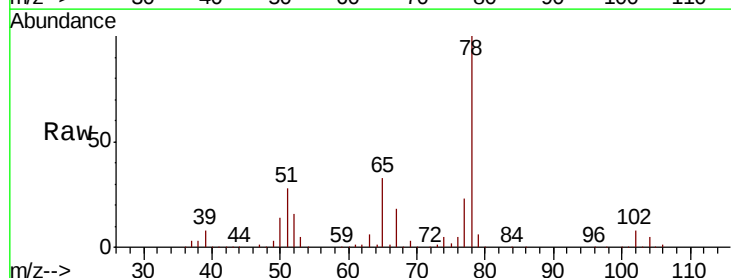
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

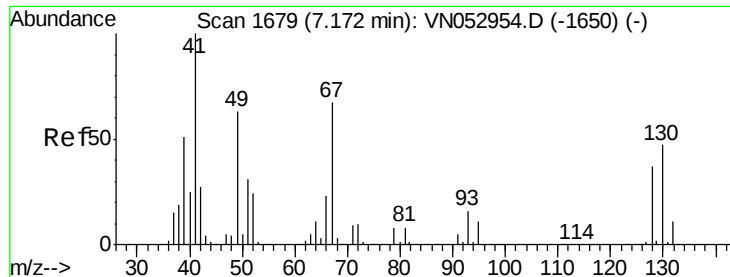
Tot Ion: 83 Resp: 344317
Ion Ratio Lower Upper
83 100
55 76.0 61.3 91.9
98 46.6 37.0 55.4



#40
Benzene
Concen: 20.894 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 78 Resp: 901240
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7

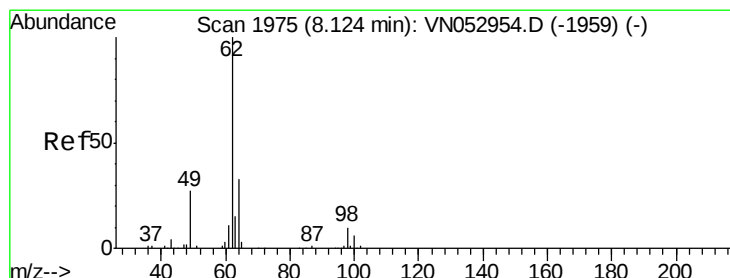
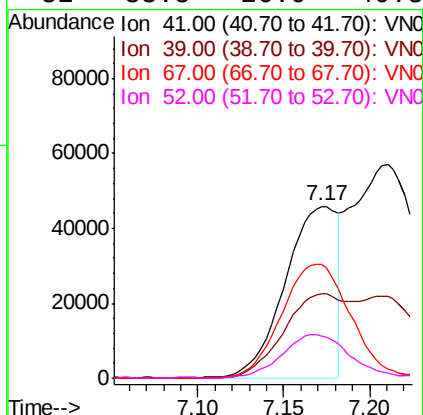
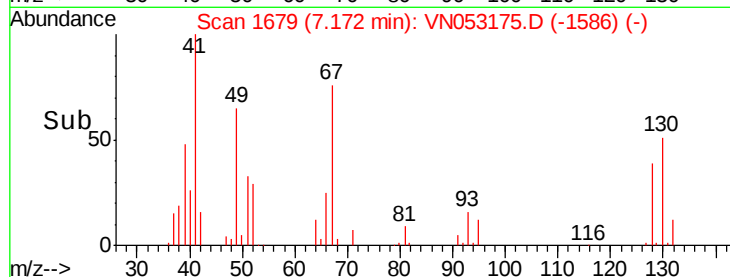
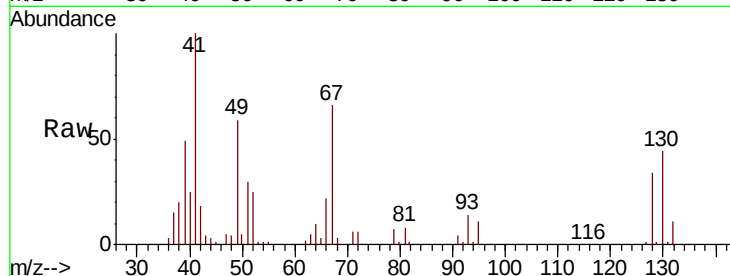




#41
Methacrylonitrile
Concen: 20.820 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

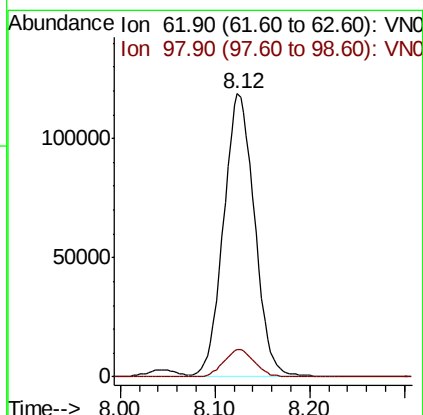
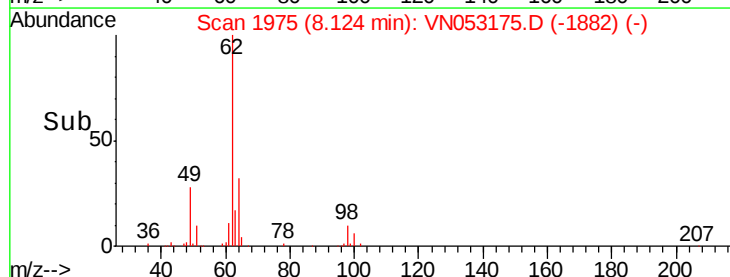
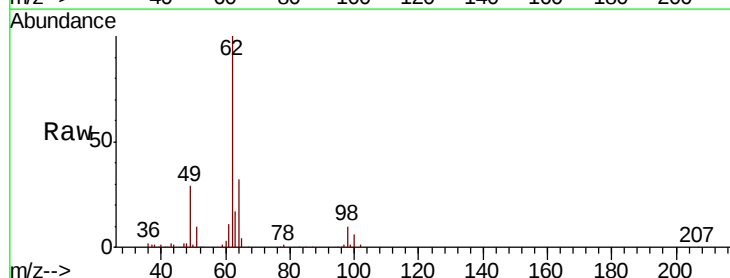
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

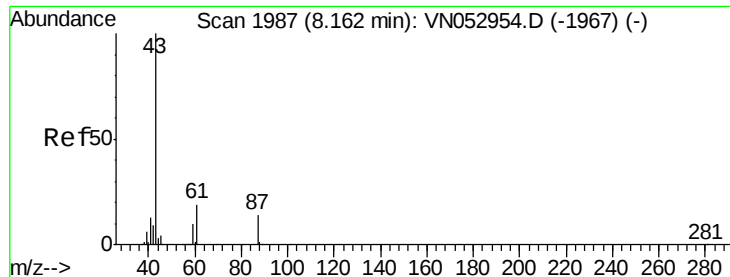
Tot Ion: 41 Resp: 97381
Ion Ratio Lower Upper
41 100
39 62.2 48.0 72.0
67 88.0 70.3 105.5
52 33.5 26.9 40.3



#42
1,2-Dichloroethane
Concen: 21.093 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 62 Resp: 268777
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.0





#43

Isopropyl Acetate

Concen: 19.945 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

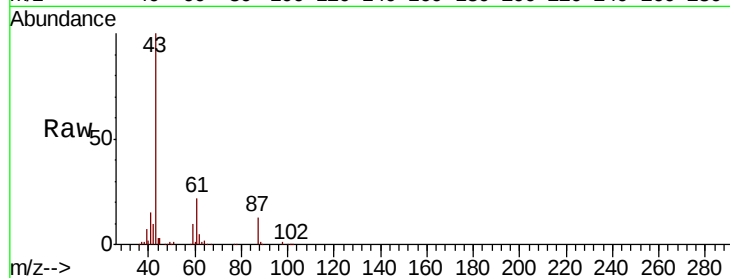
Tot Ion: 43 Resp: 322284

Ion Ratio Lower Upper

43 100

61 30.1 22.9 34.3

87 13.6 10.6 15.8

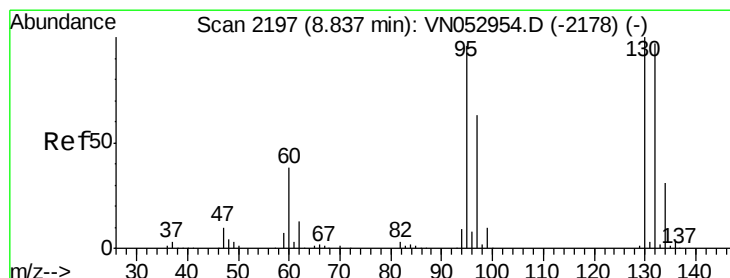
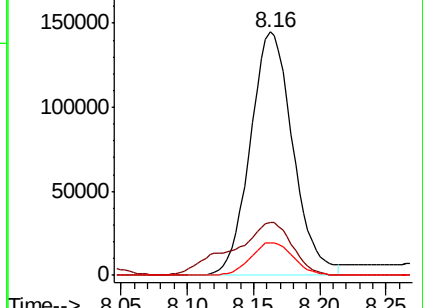
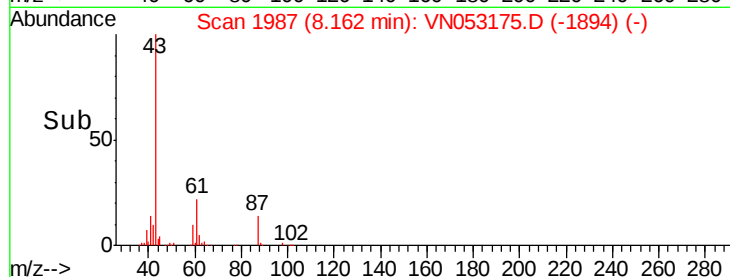


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 19.937 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053175.D

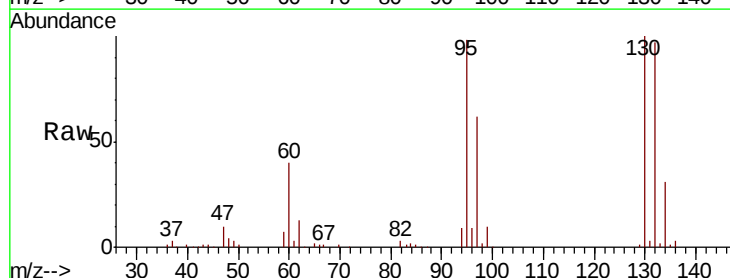
Acq: 24 Dec 2018 10:47

Tgt Ion:130 Resp: 248726

Ion Ratio Lower Upper

130 100

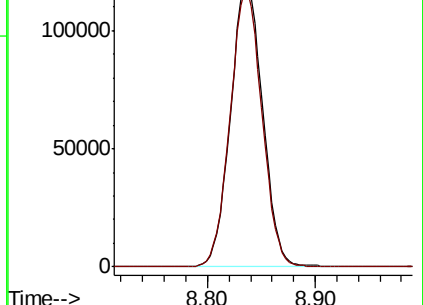
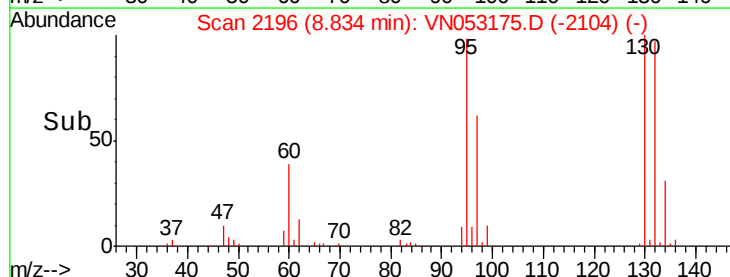
95 97.6 0.0 197.8

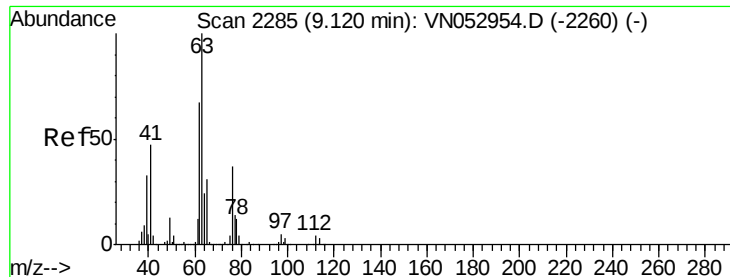


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

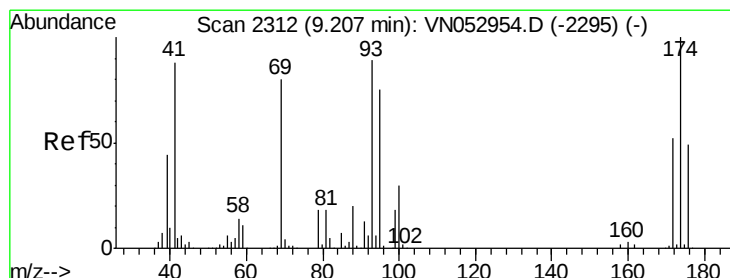
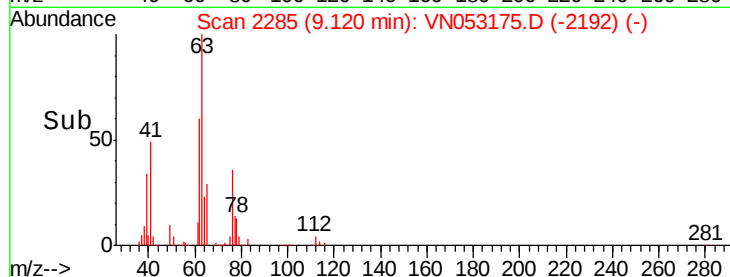
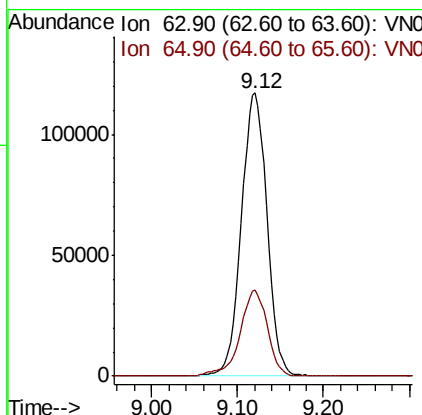
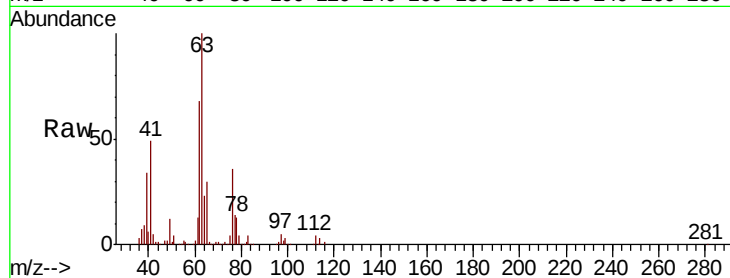




#45
 1,2-Dichloropropane
 Concen: 21.603 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

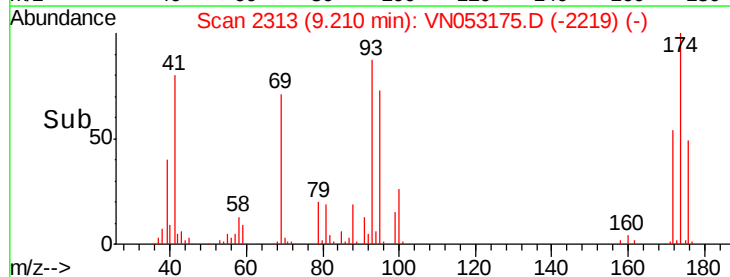
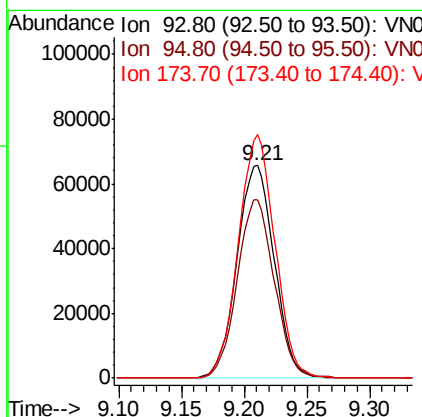
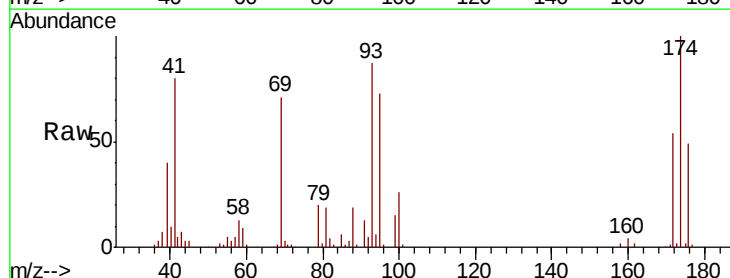
Instrument :
 MSVOA_N
 ClientSampled :
 VN1224MBS01

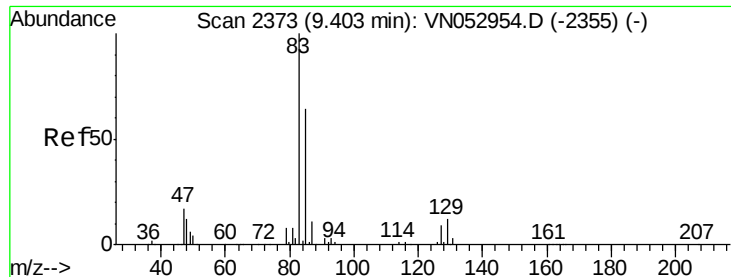
Tot Ion: 63 Resp: 242709
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0



#46
 Dibromomethane
 Concen: 20.804 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion: 93 Resp: 136159
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.8 101.6
 174 112.3 89.0 133.4





#47

Bromodichloromethane

Concen: 20.603 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

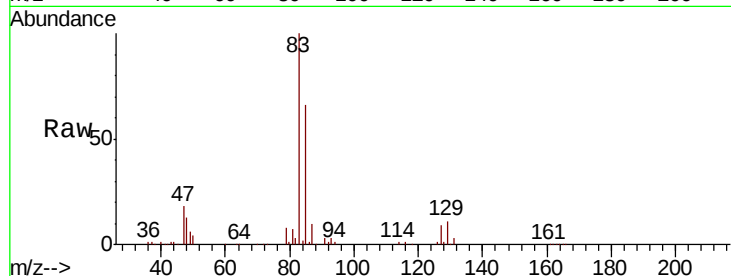
Tot Ion: 83 Resp: 286636

Ion Ratio Lower Upper

83 100

85 65.5 51.6 77.4

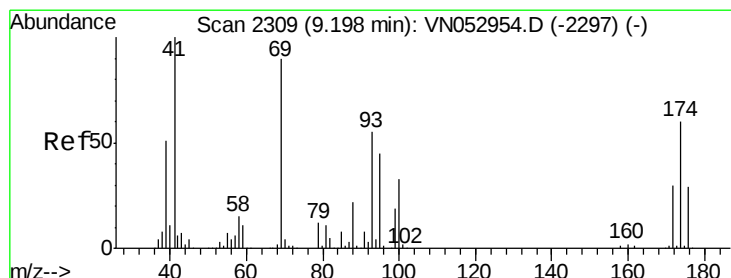
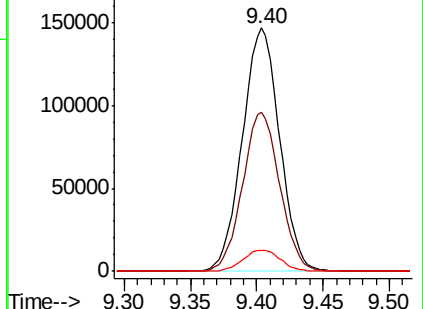
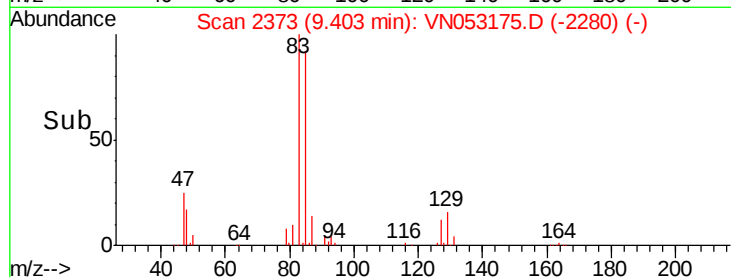
127 8.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053175.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053175.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053175.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.958 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

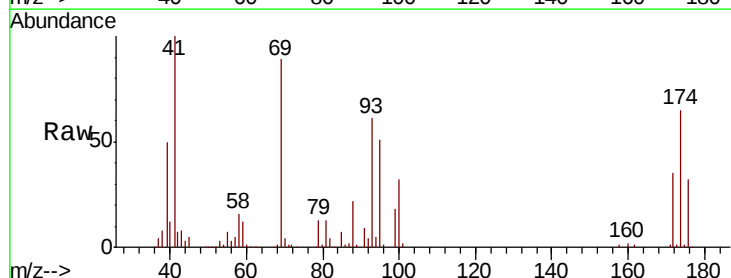
Tgt Ion: 41 Resp: 164632

Ion Ratio Lower Upper

41 100

69 90.9 72.2 108.2

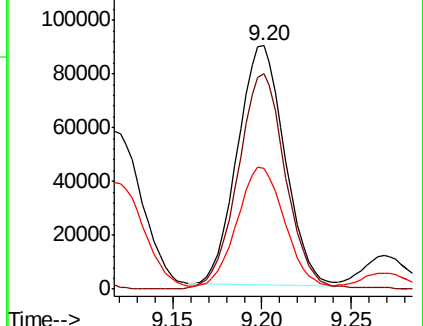
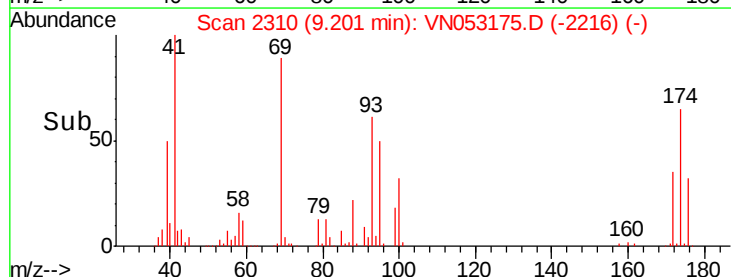
39 51.7 41.9 62.9

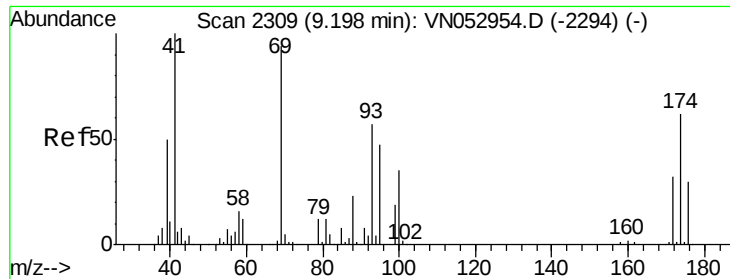


Abundance Ion 41.00 (40.70 to 41.70): VN053175.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053175.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053175.D (-2216) (-)





#49

1,4-Dioxane

Concen: 414.506 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

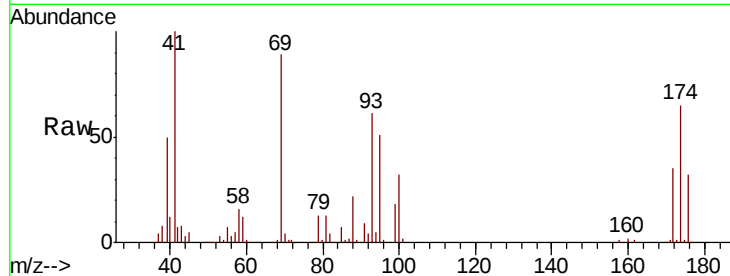
Tot Ion: 88 Resp: 41188

Ion Ratio Lower Upper

88 100

43 35.1 26.6 40.0

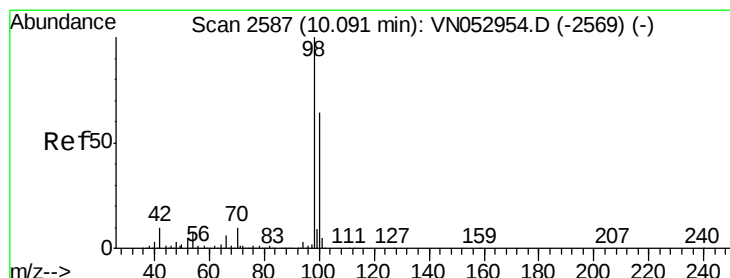
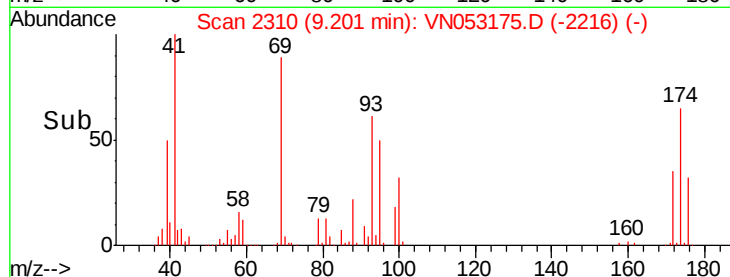
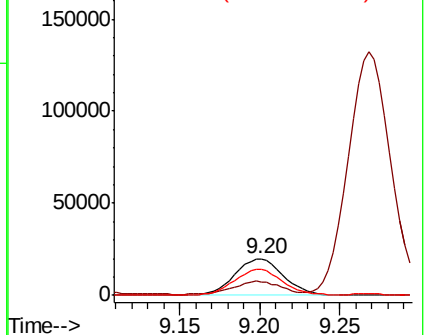
58 71.2 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN053175.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053175.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053175.D (-2216) (-)



#50

Toluene-d8

Concen: 414.506 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053175.D

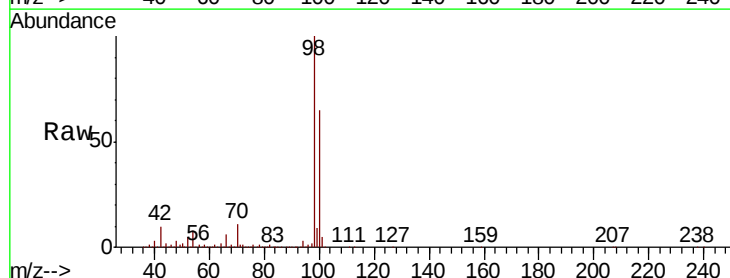
Acq: 24 Dec 2018 10:47

Tgt Ion: 98 Resp: 1810120

Ion Ratio Lower Upper

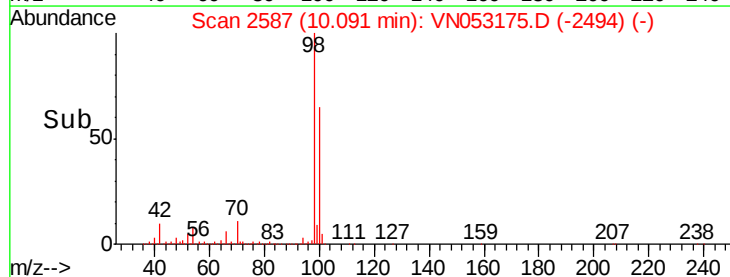
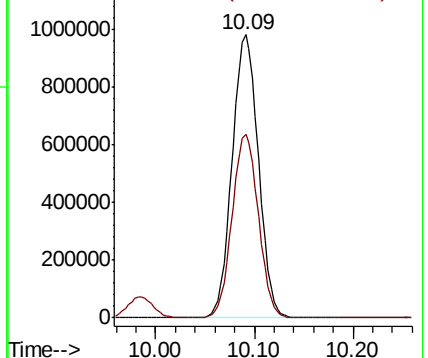
98 100

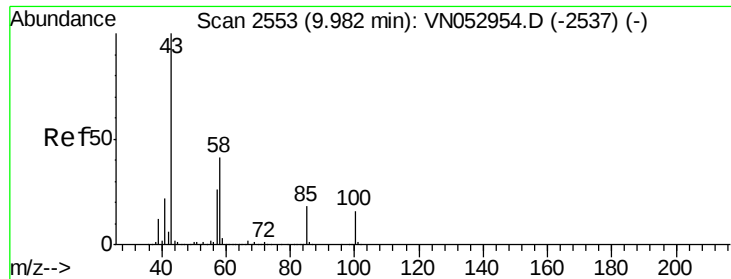
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053175.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053175.D (-2494) (-)

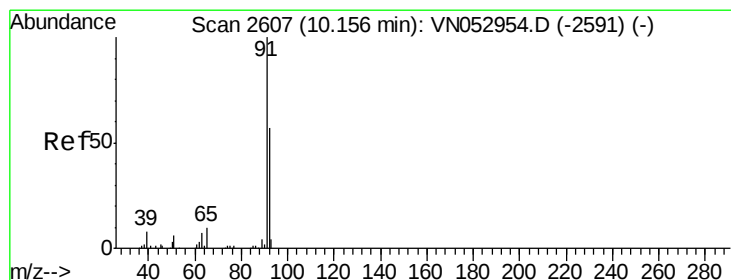
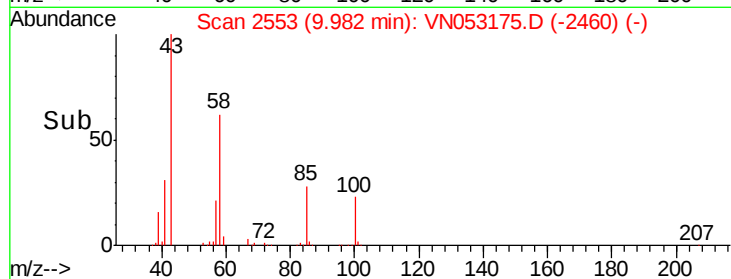
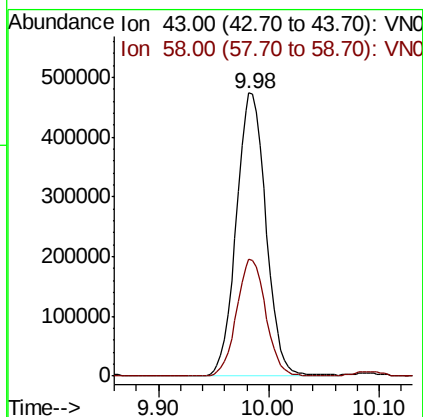
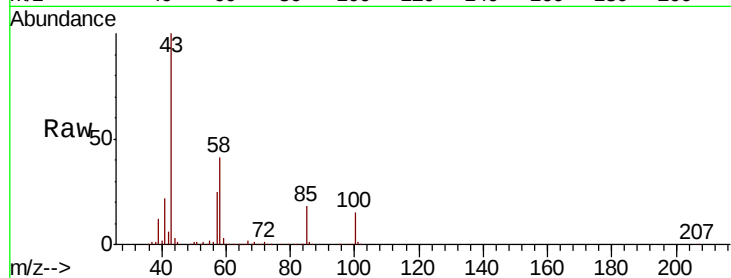




#51
4-Methyl-2-Pentanone
Concen: 112.253 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

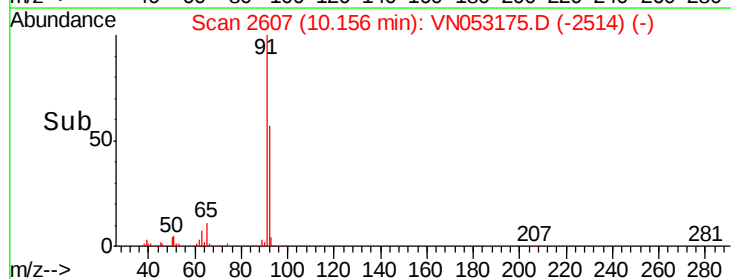
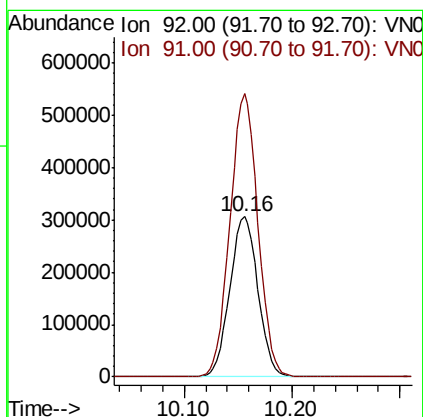
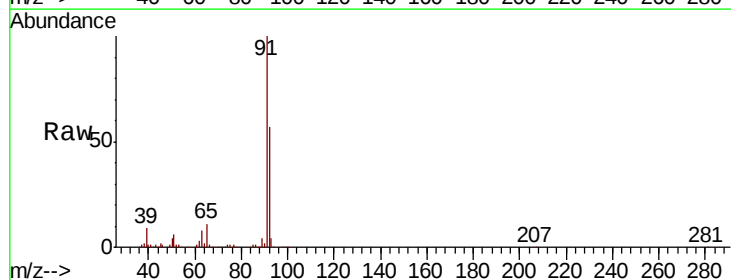
Instrument :
MSVOA_N
ClientSampled :
VN1224MBS01

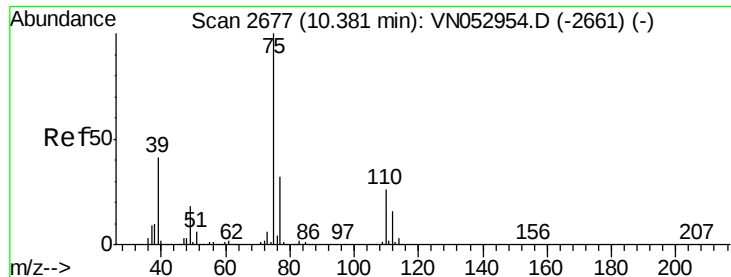
Tot Ion: 43 Resp: 880010
Ion Ratio Lower Upper
43 100
58 40.7 32.2 48.4



#52
Toluene
Concen: 20.827 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 92 Resp: 556801
Ion Ratio Lower Upper
92 100
91 175.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.455 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

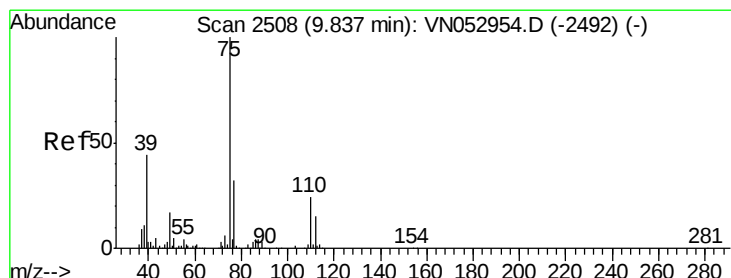
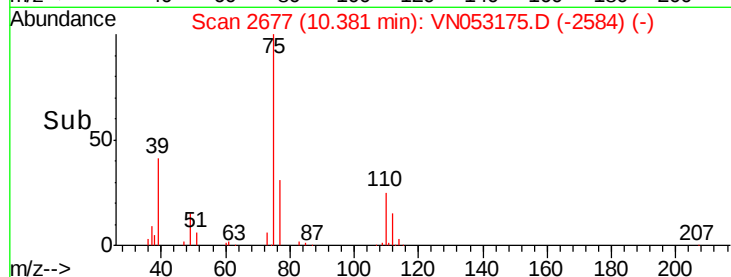
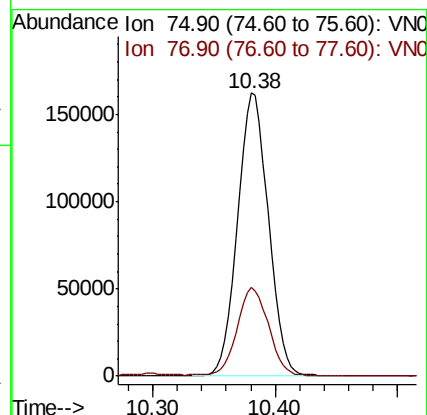
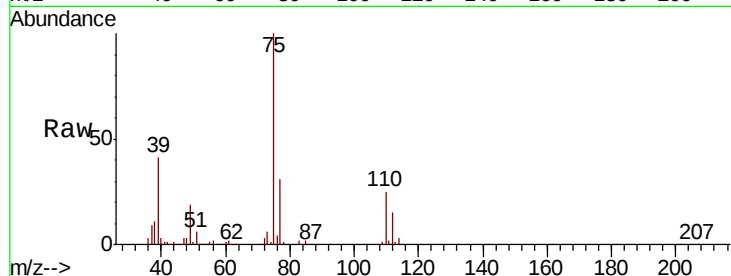
VN1224MBS01

Tot Ion: 75 Resp: 284611

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.666 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

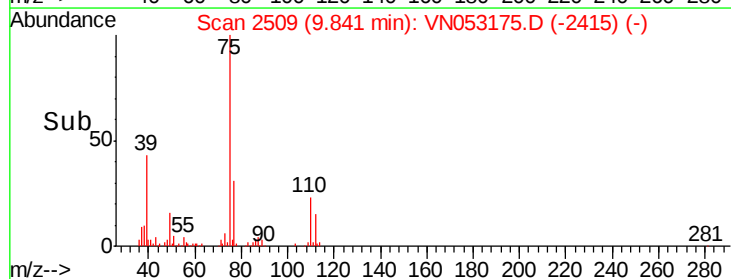
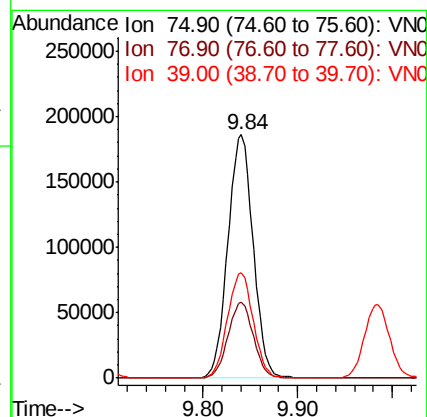
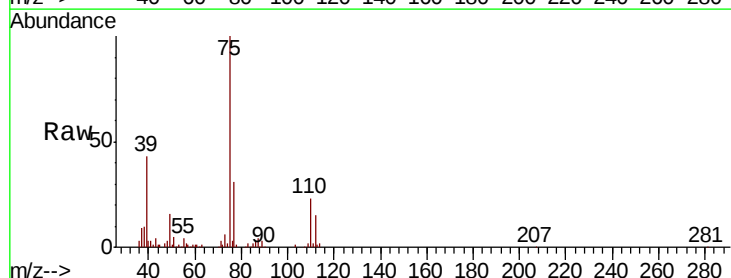
Tgt Ion: 75 Resp: 347016

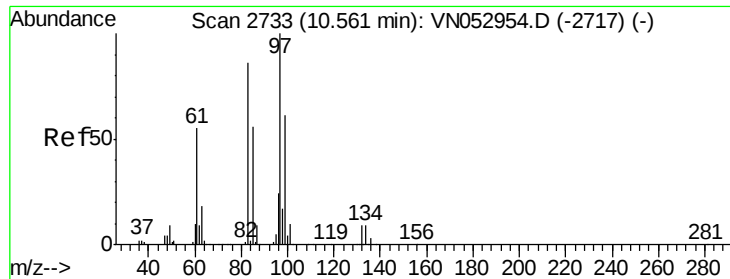
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8

39 43.2 34.8 52.2

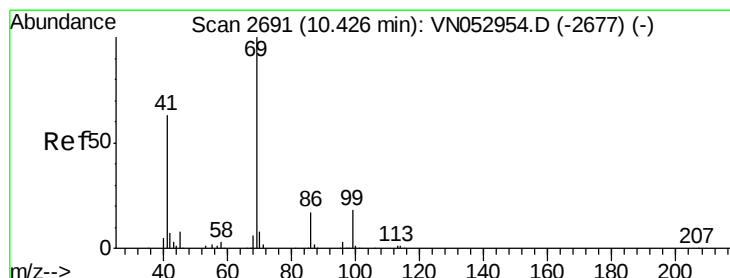
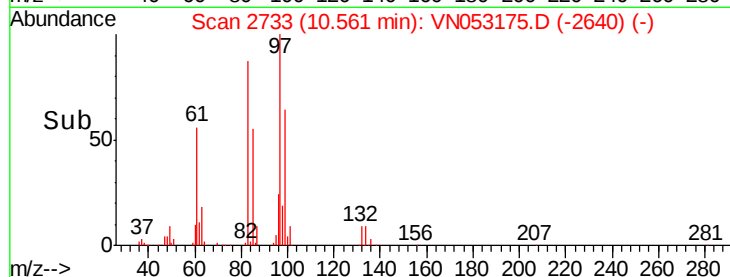
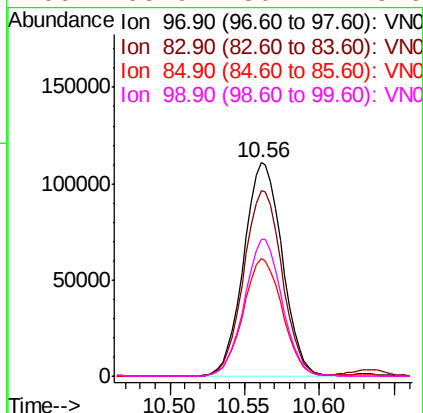
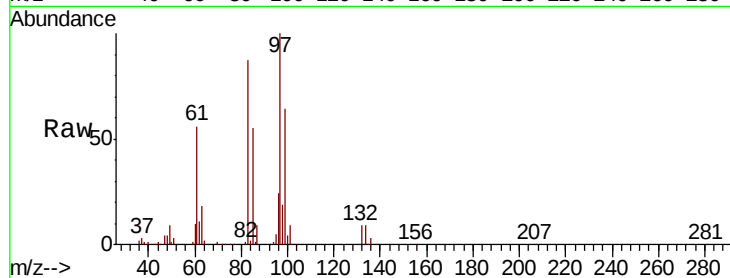




#55
 1,1,2-Trichloroethane
 Concen: 21.398 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

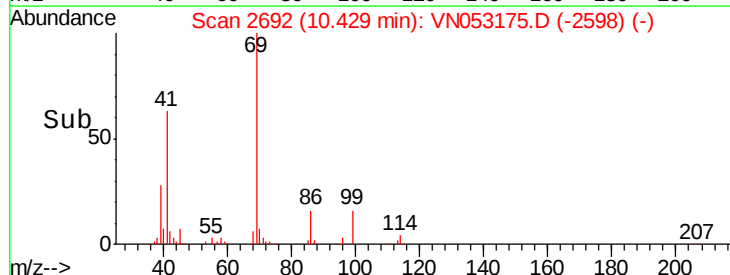
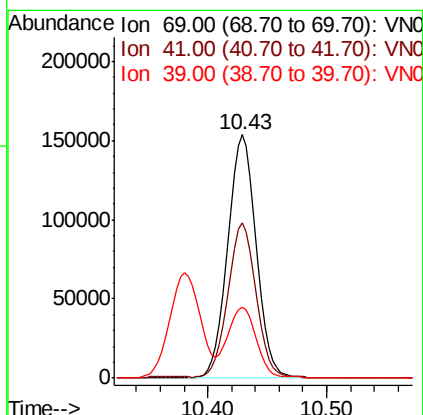
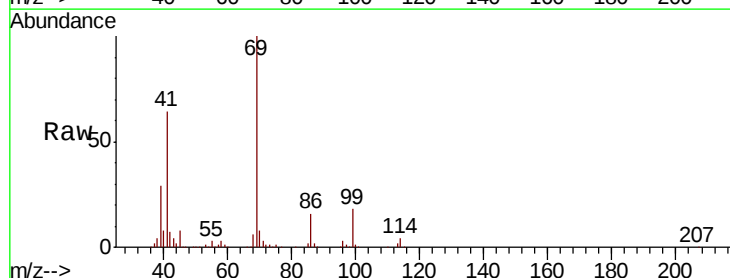
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

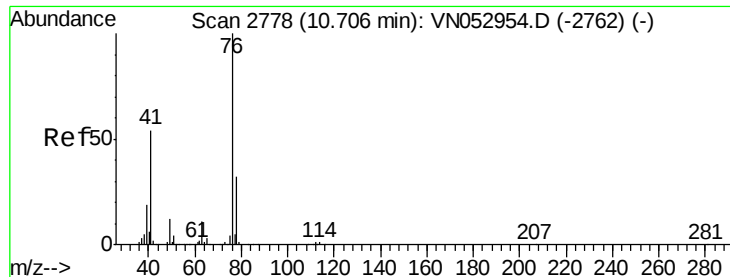
Tot Ion:	97	Resp:	199578
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.9	106.3
85	54.9	45.4	68.2
99	63.9	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 20.718 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion:	69	Resp:	255769
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.7	77.5
39	29.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 21.208 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

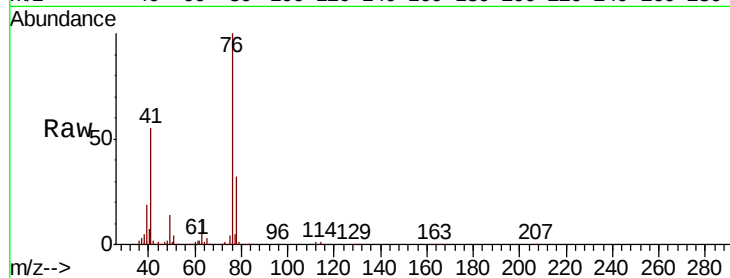
VN1224MBS01

Tot Ion: 76 Resp: 339211

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

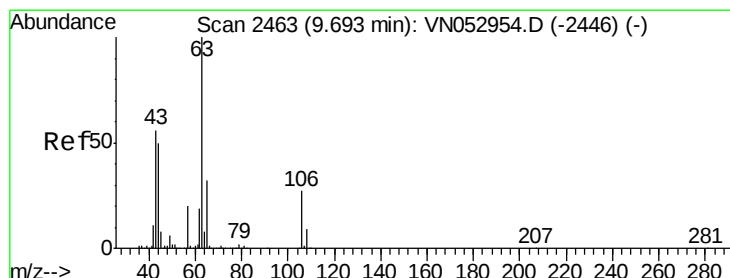
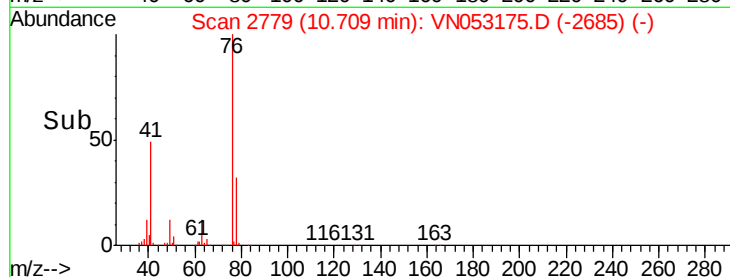
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 110.960 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053175.D

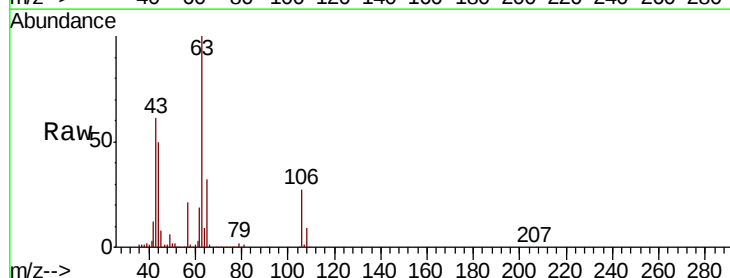
Acq: 24 Dec 2018 10:47

Tgt Ion: 63 Resp: 752026

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

500000

400000

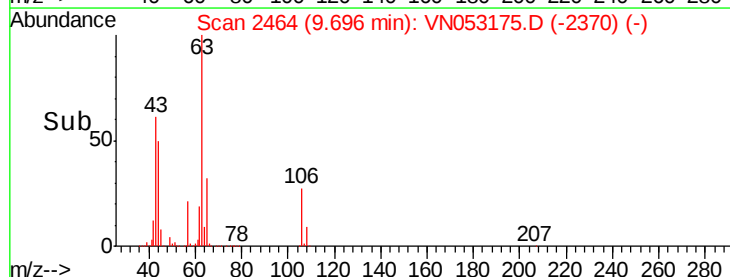
300000

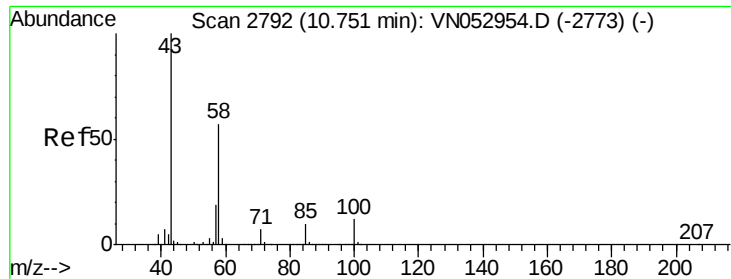
200000

100000

0

Time-->

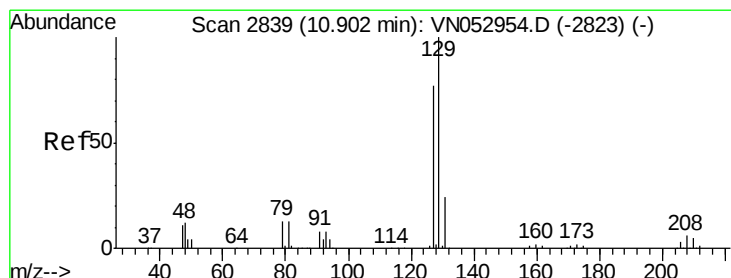
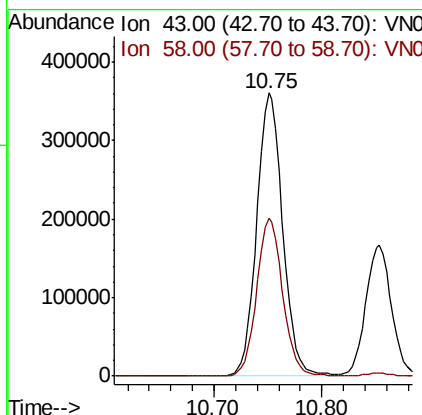
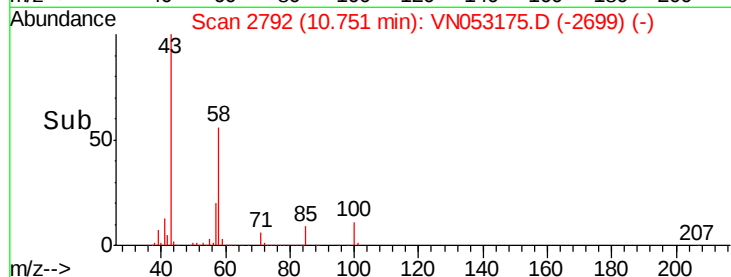
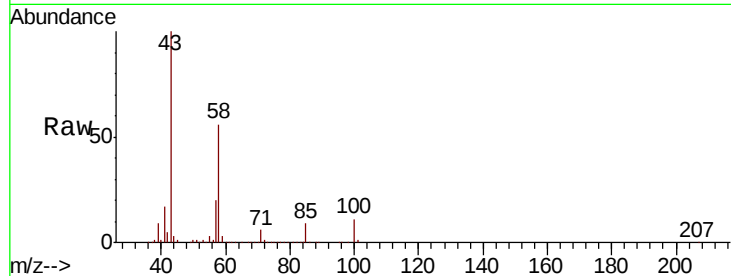




#59
2-Hexanone
Concen: 113.340 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

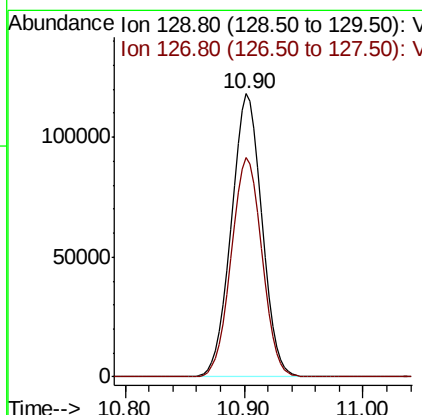
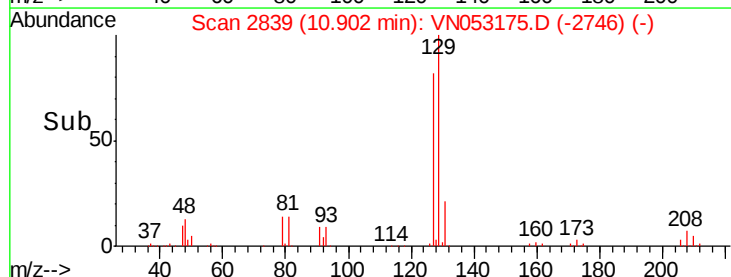
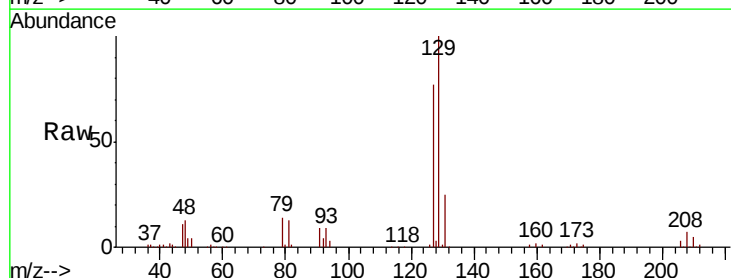
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

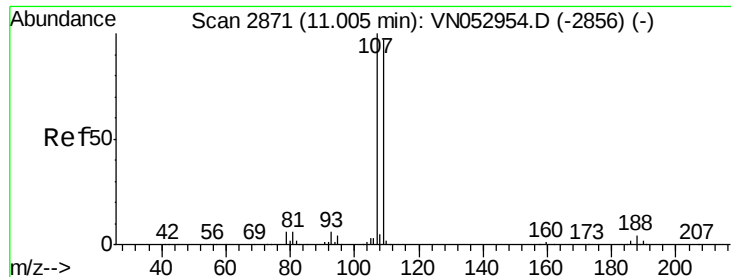
Tot Ion: 43 Resp: 601164
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 19.772 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 129 Resp: 211094
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0

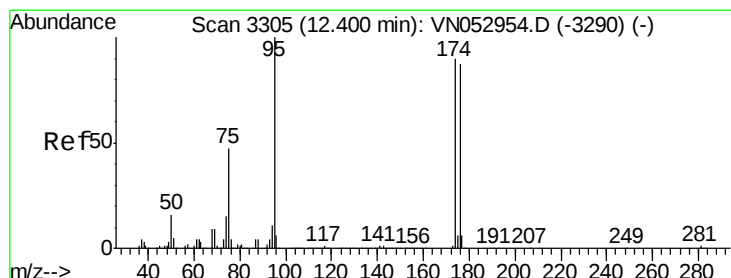
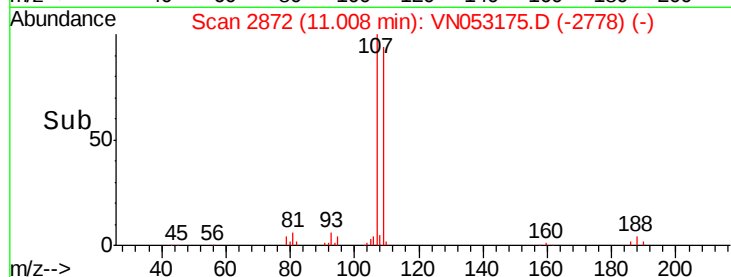
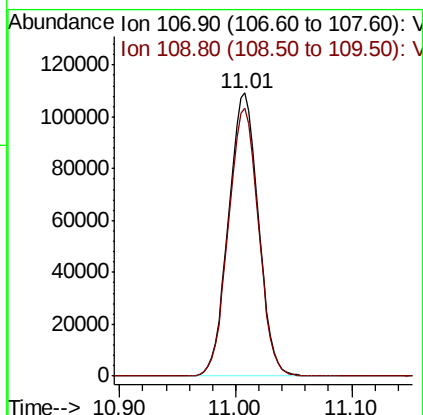
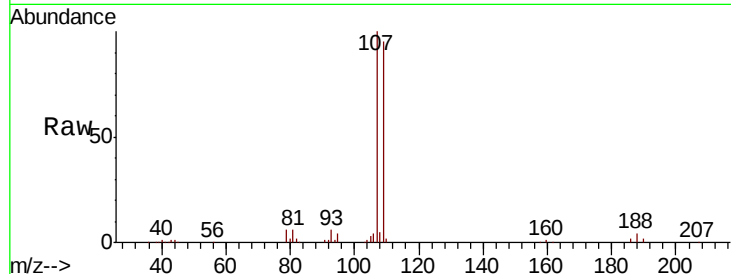




#61
 1,2-Dibromoethane
 Concen: 20.498 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

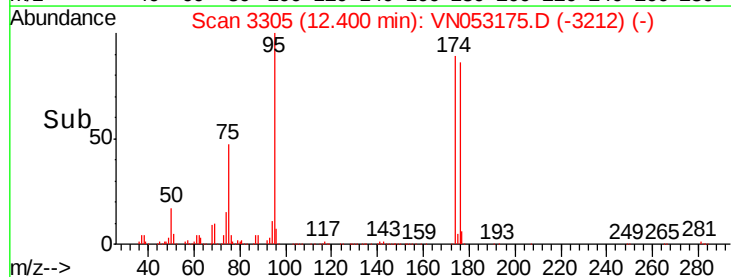
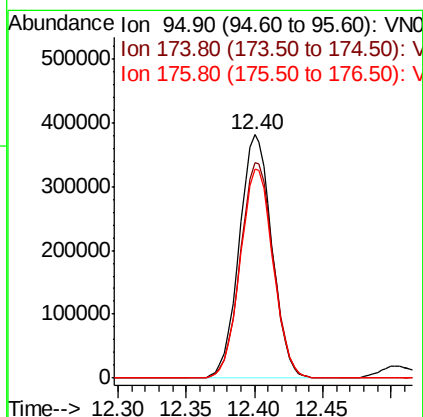
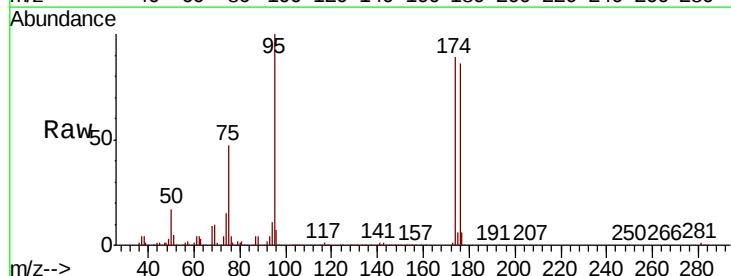
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

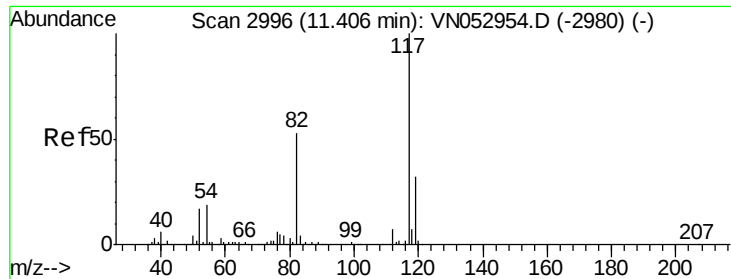
Tot Ion: 107 Resp: 194171
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.498 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion: 95 Resp: 631584
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.8
 176 86.7 0.0 173.8

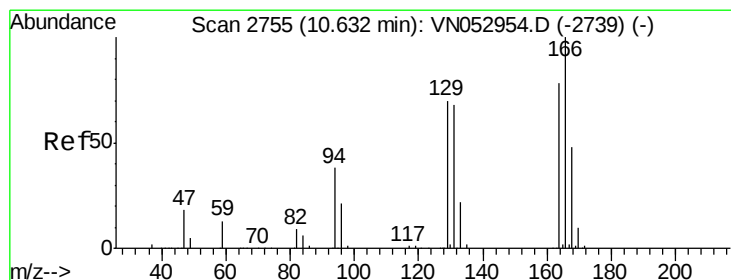
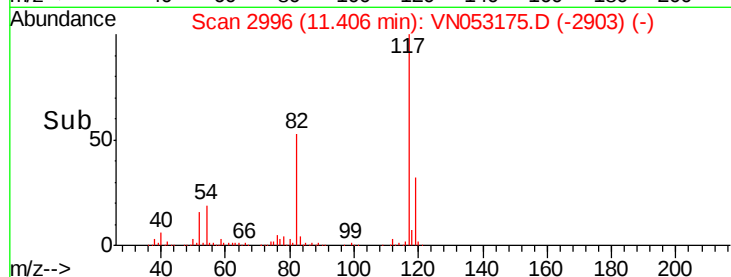
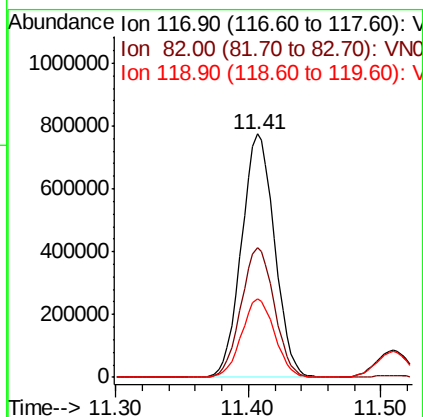
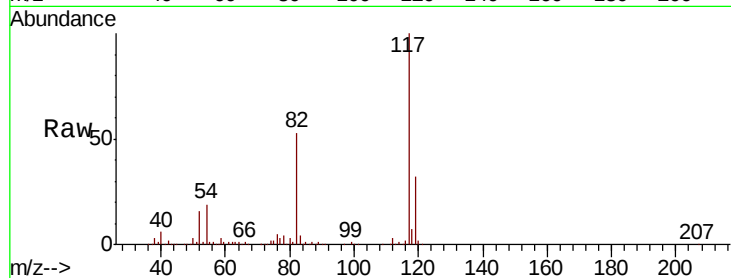




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

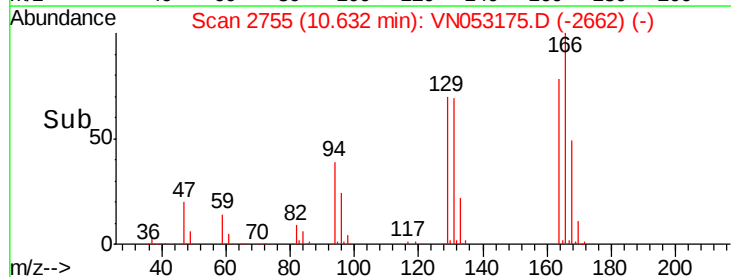
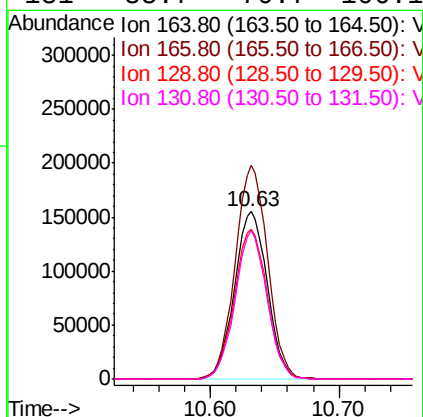
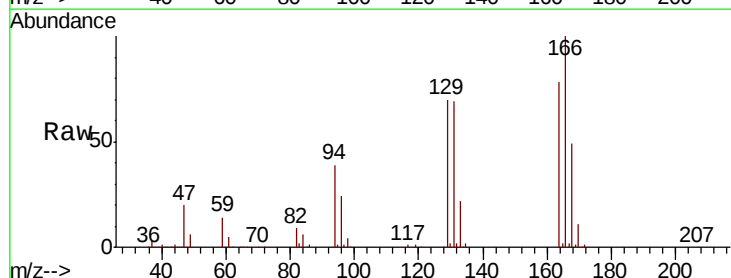
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

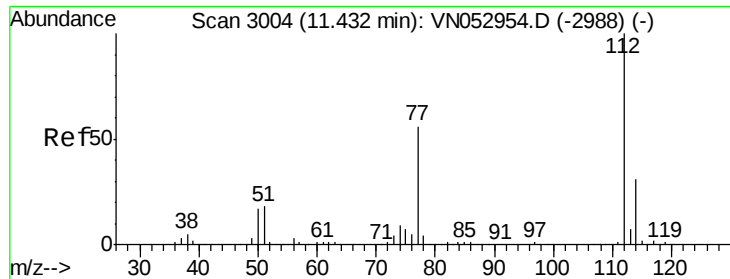
Tot Ion:117 Resp: 1338445
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 18.852 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion:164 Resp: 273329
Ion Ratio Lower Upper
164 100
166 127.8 102.9 154.3
129 89.3 73.7 110.5
131 88.7 70.7 106.1

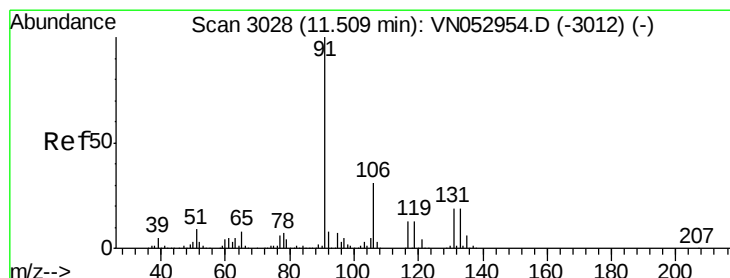
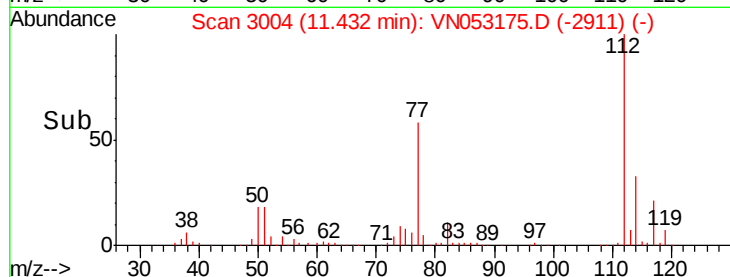
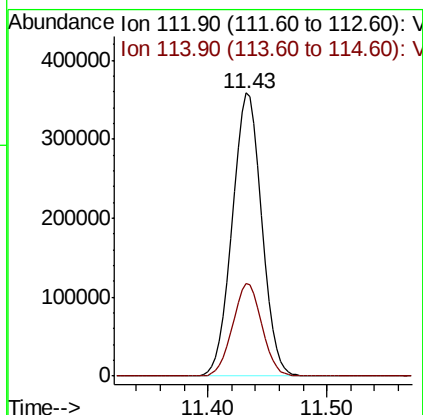
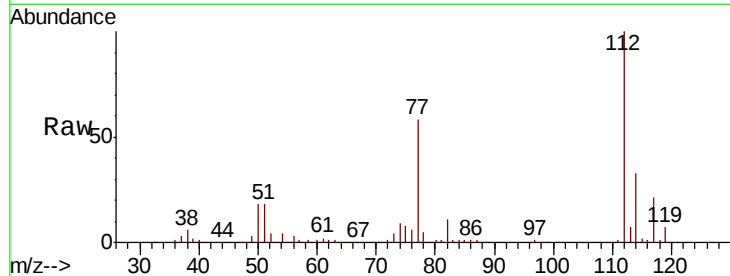




#65
Chlorobenzene
Concen: 20.766 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

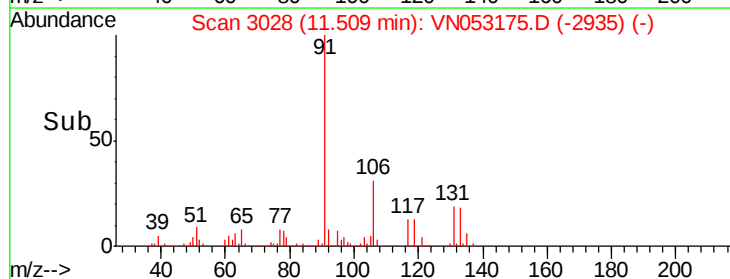
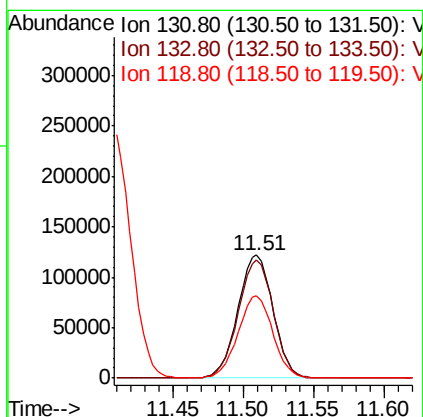
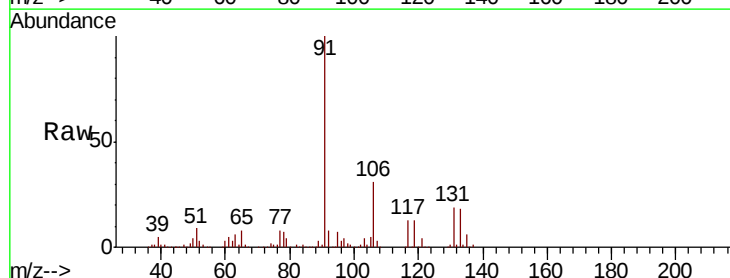
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

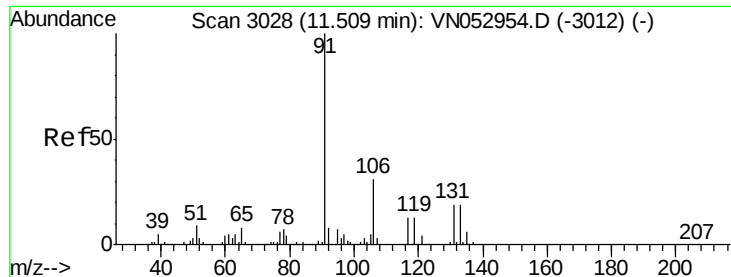
Tot Ion:112 Resp: 616104
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.720 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion:131 Resp: 213780
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.2 33.3 99.8

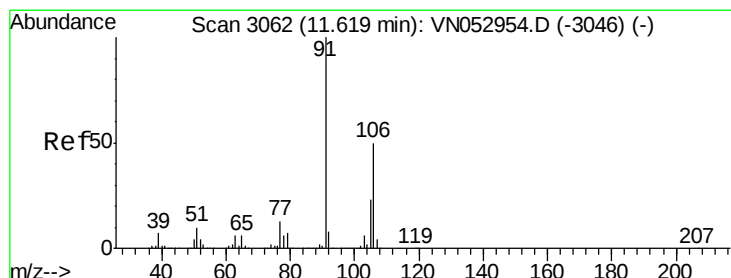
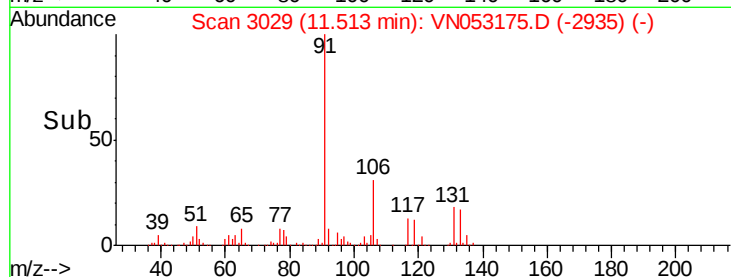
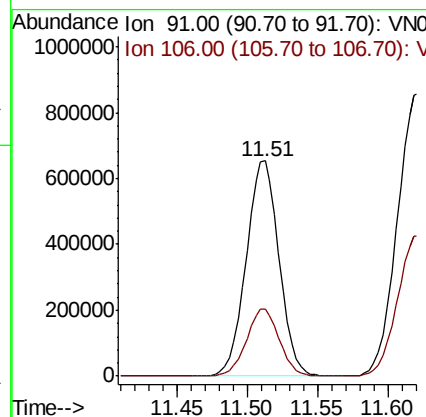
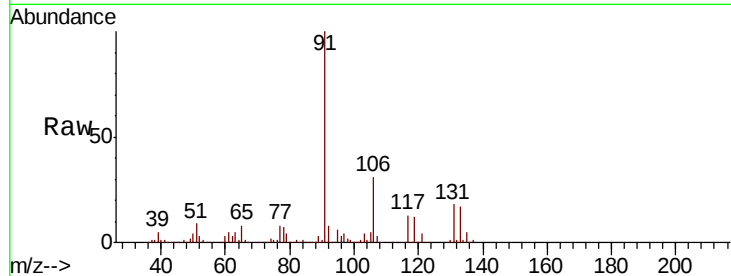




#67
Ethyl Benzene
Concen: 20.909 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

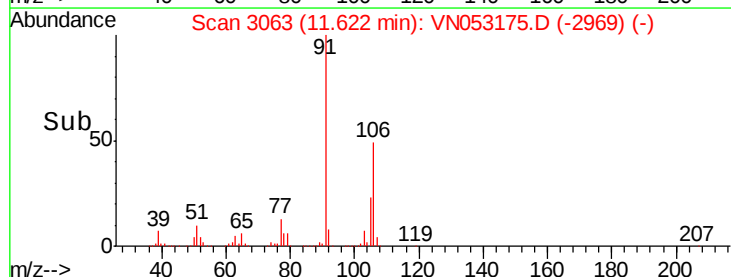
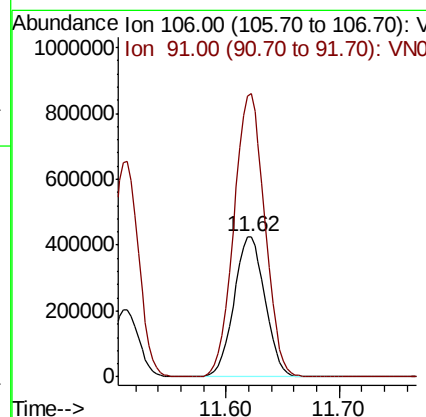
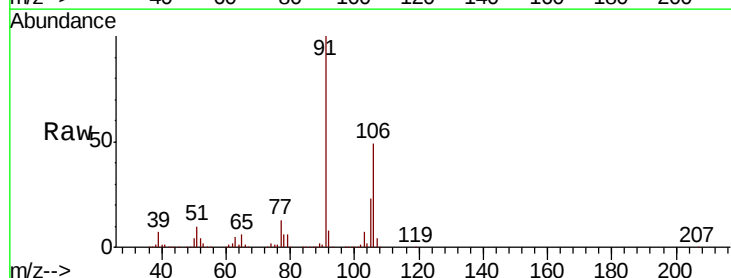
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

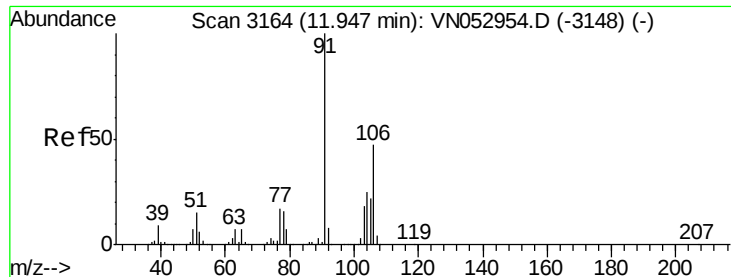
Tot Ion: 91 Resp: 1066844
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 41.800 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion: 106 Resp: 810791
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.4

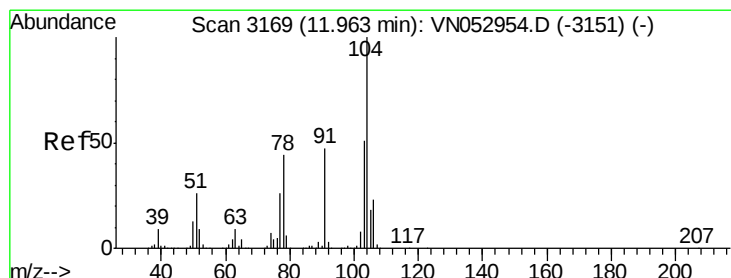
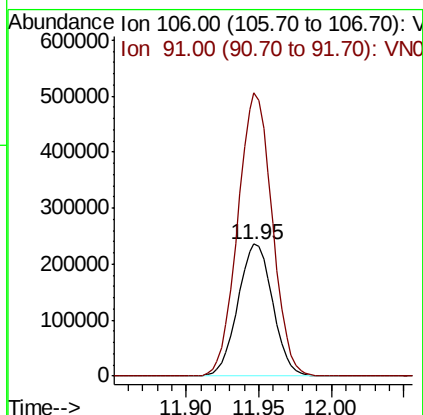
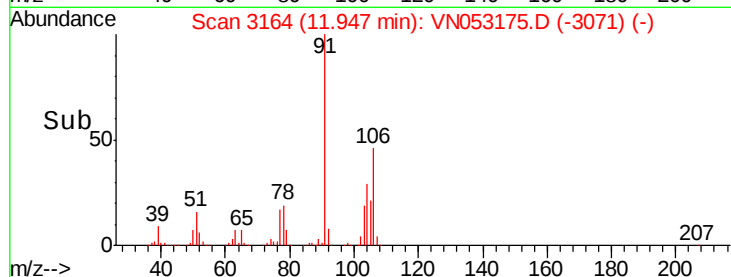
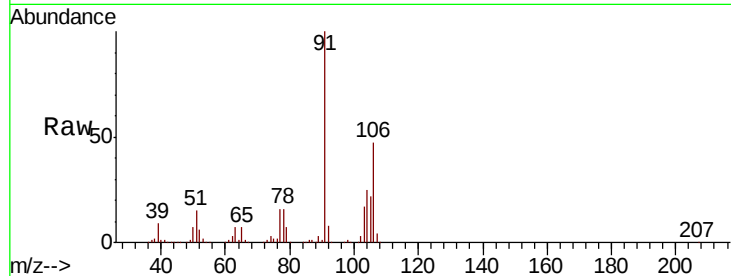




#69
o-Xylene
Concen: 21.121 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

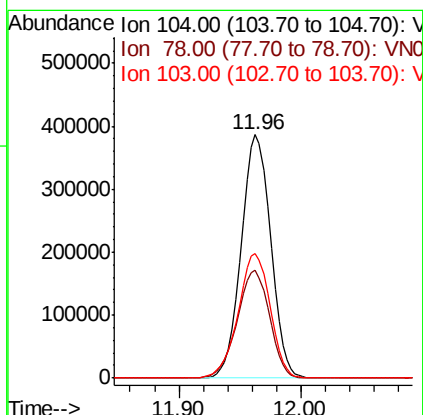
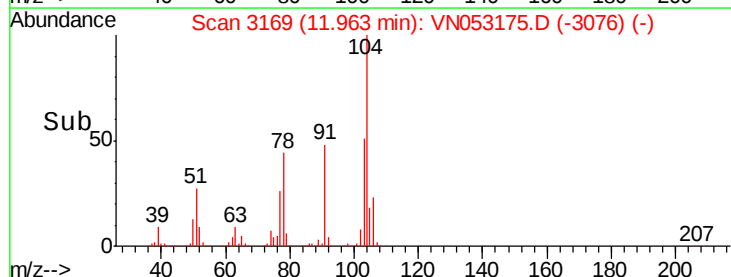
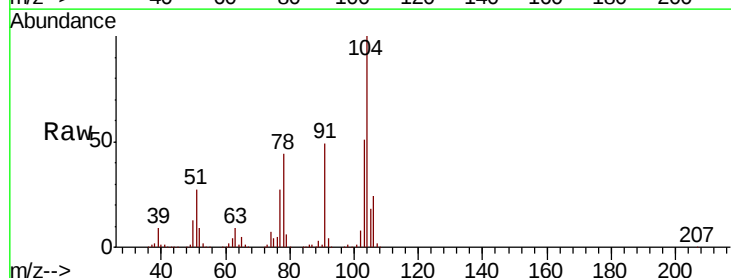
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

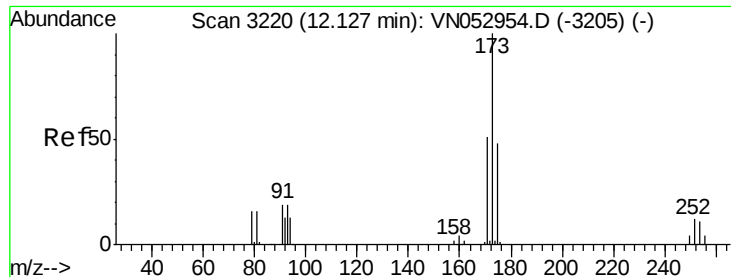
Tot Ion:106 Resp: 393130
Ion Ratio Lower Upper
106 100
91 212.2 106.6 319.8



#70
Styrene
Concen: 21.188 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion:104 Resp: 643072
Ion Ratio Lower Upper
104 100
78 48.8 38.9 58.3
103 55.6 44.3 66.5





#71

Bromoform

Concen: 19.420 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampled :

VN1224MBS01

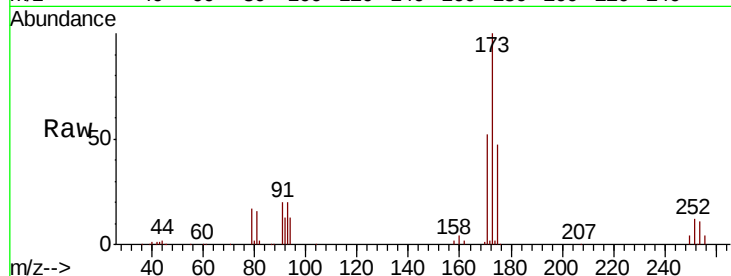
Tot Ion:173 Resp: 144751

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.9

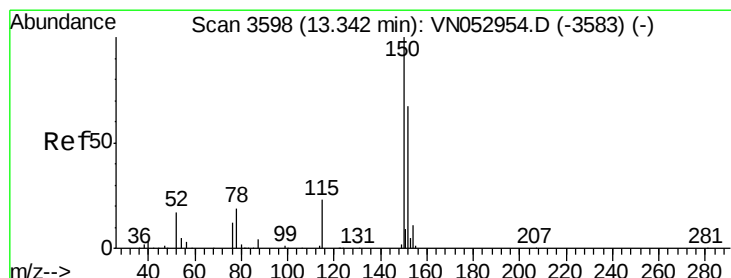
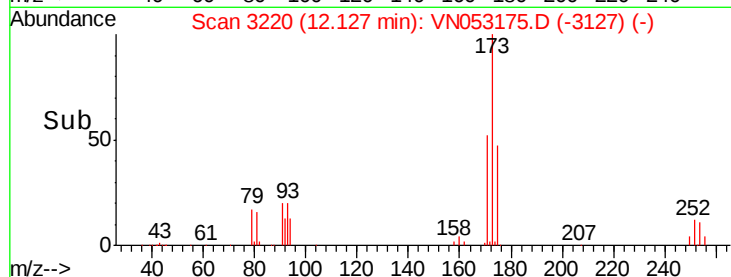
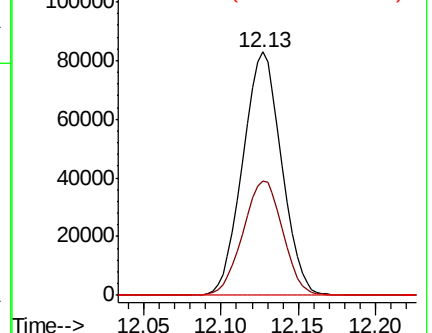
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

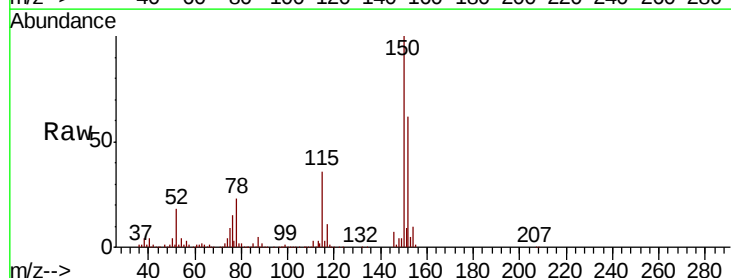
Tgt Ion:152 Resp: 613855

Ion Ratio Lower Upper

152 100

115 56.9 28.3 85.0

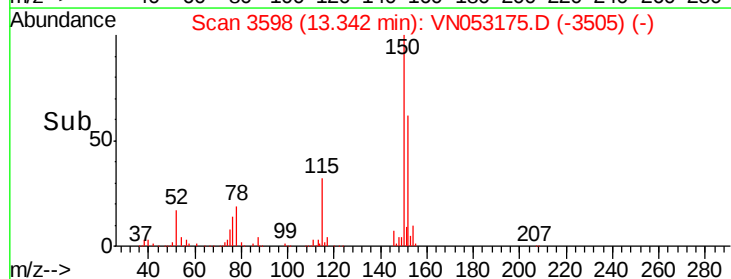
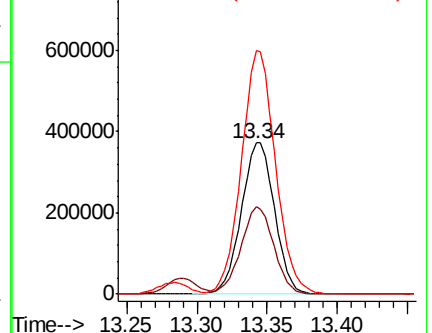
150 165.2 0.0 347.8

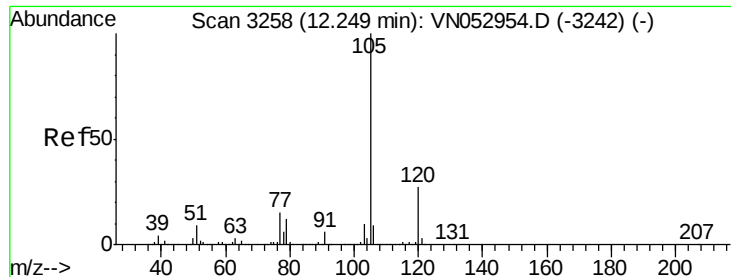


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.885 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

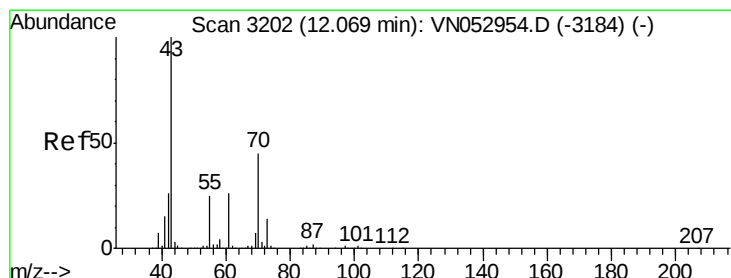
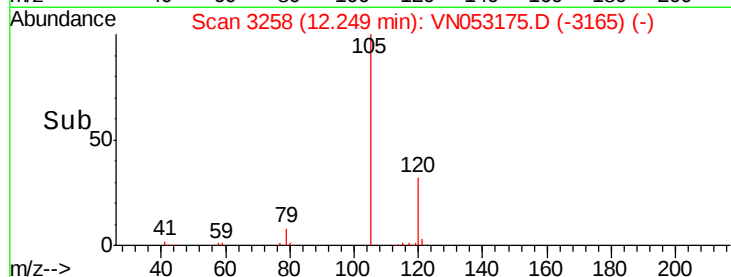
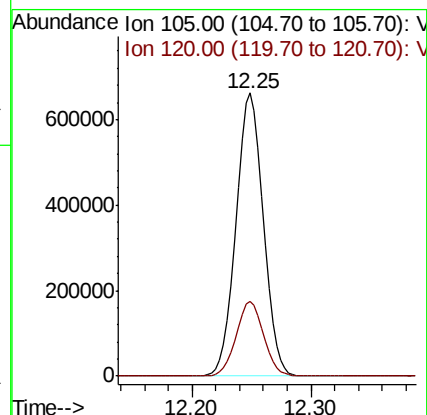
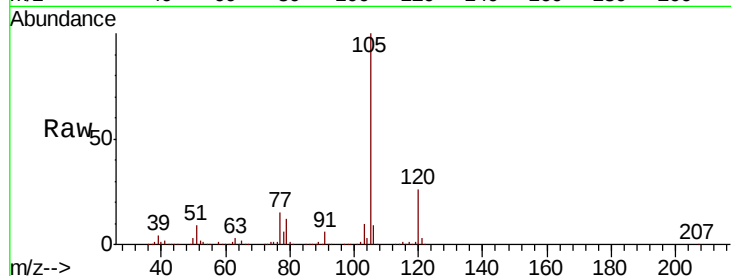
VN1224MBS01

Tot Ion:105 Resp: 1051123

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 21.117 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Tgt Ion: 43 Resp: 281583

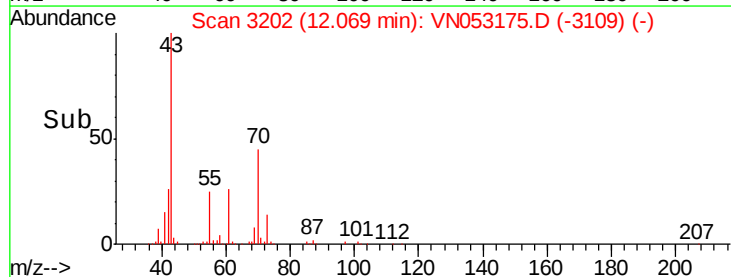
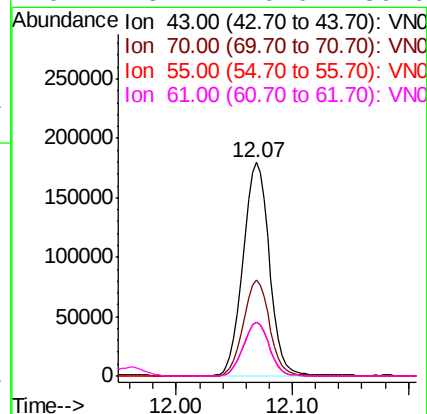
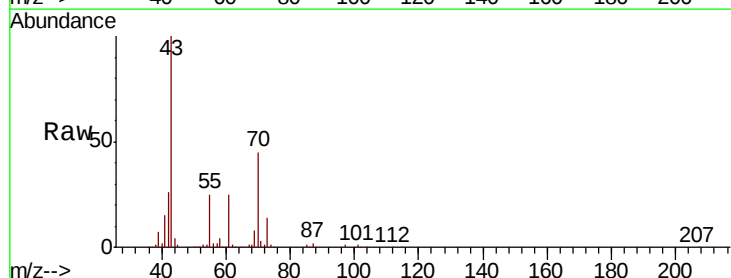
Ion Ratio Lower Upper

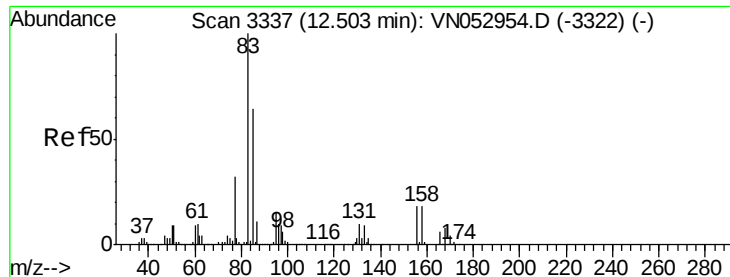
43 100

70 44.7 34.2 51.4

55 25.0 20.3 30.5

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.109 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

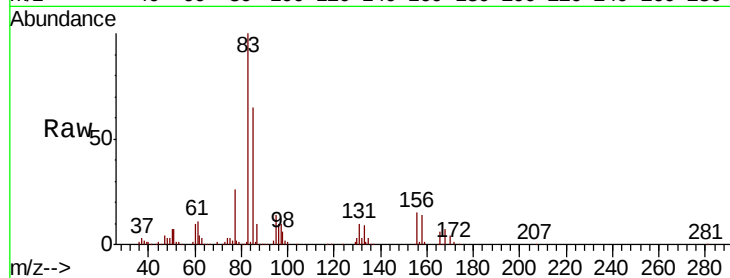
Tot Ion: 83 Resp: 227170

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

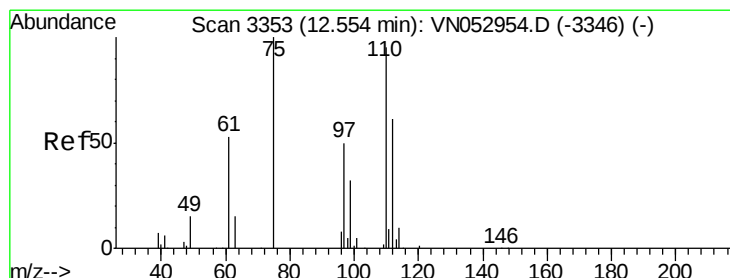
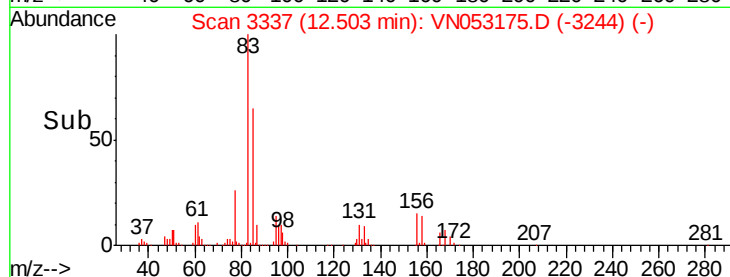
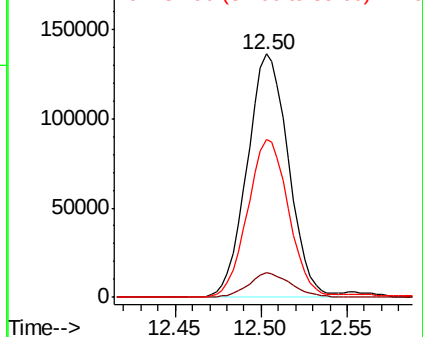
85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.392 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053175.D

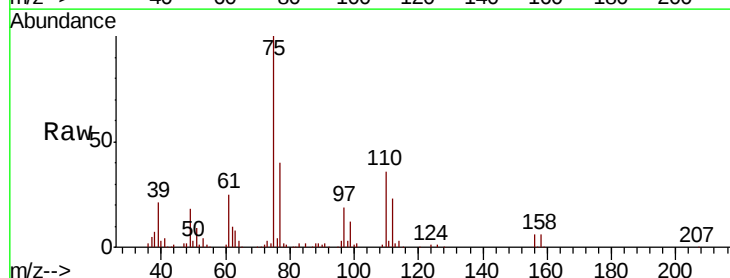
Acq: 24 Dec 2018 10:47

Tgt Ion: 75 Resp: 293392

Ion Ratio Lower Upper

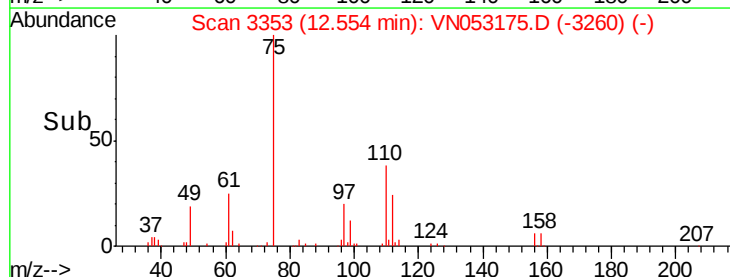
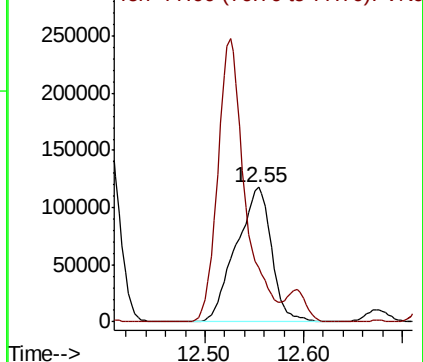
75 100

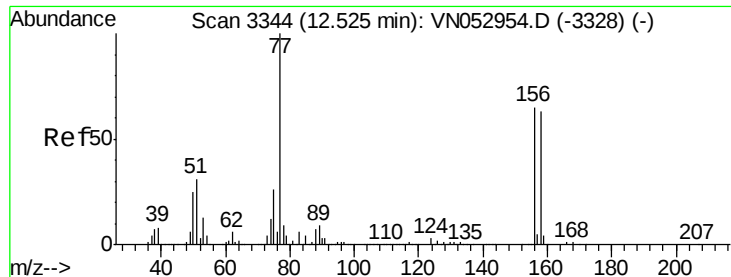
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.502 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

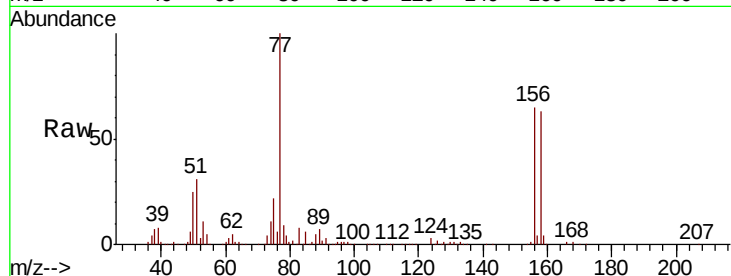
Tot Ion:156 Resp: 268449

Ion Ratio Lower Upper

156 100

77 179.4 91.3 273.8

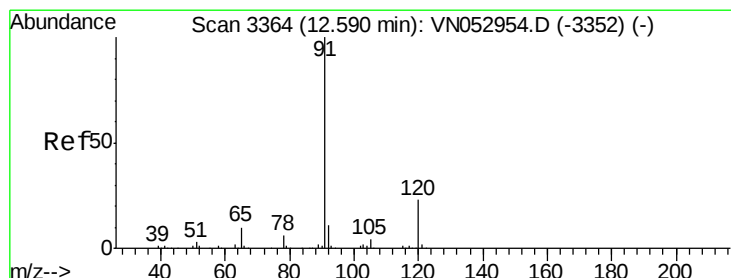
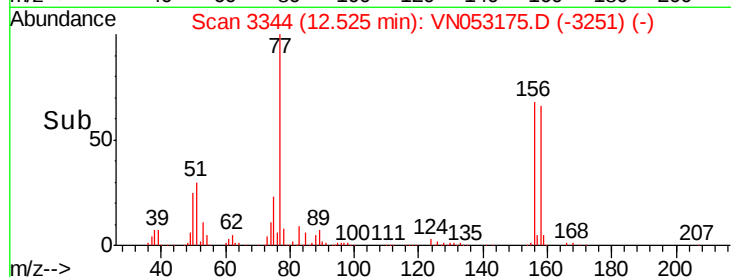
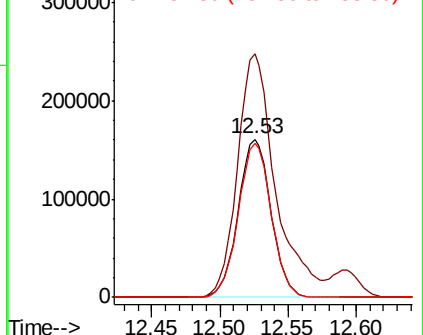
158 97.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.512 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053175.D

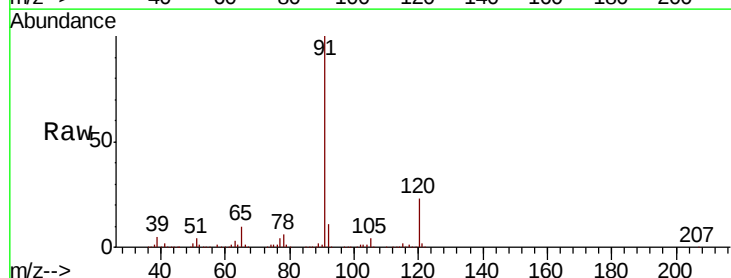
Acq: 24 Dec 2018 10:47

Tgt Ion: 91 Resp: 1176692

Ion Ratio Lower Upper

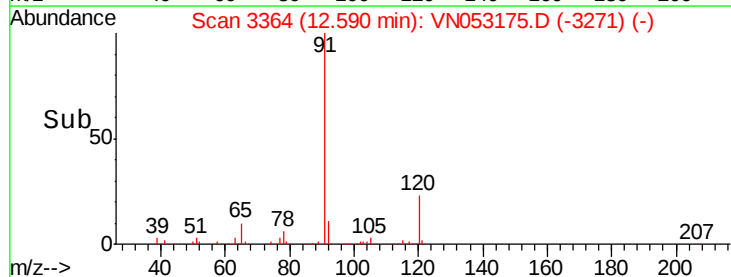
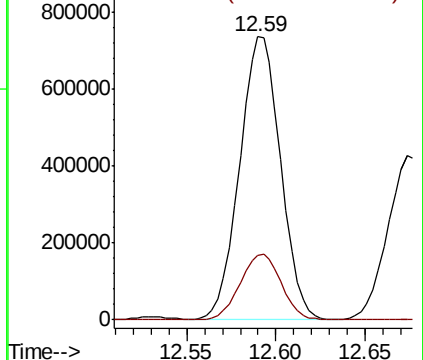
91 100

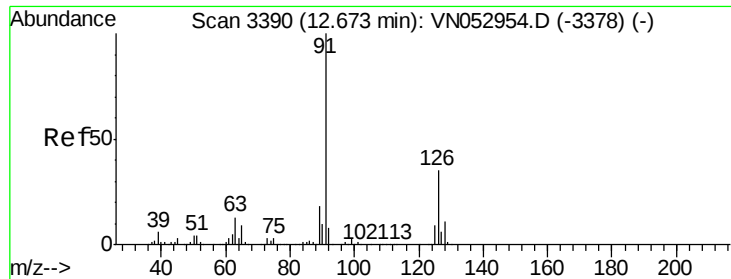
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

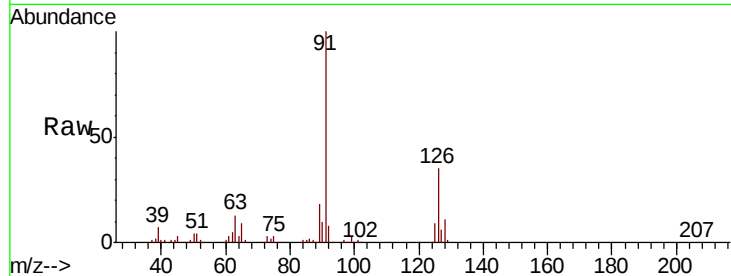
VN1224MBS01

Tot Ion: 91 Resp: 703699

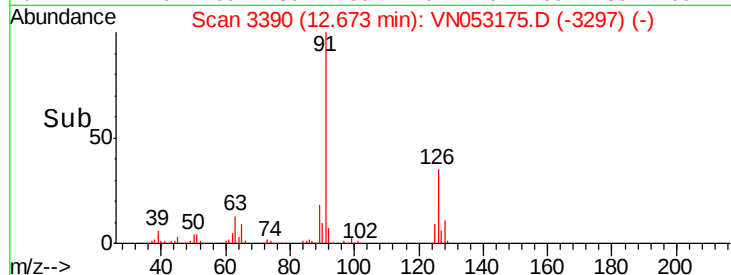
Ion Ratio Lower Upper

91 100

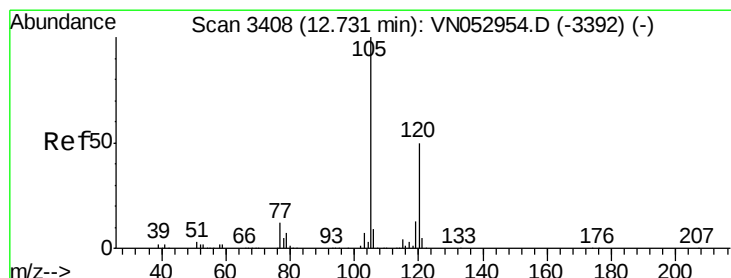
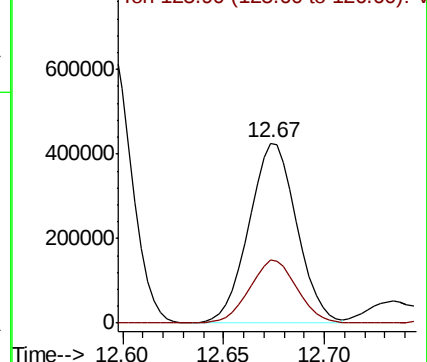
126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN053175.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN053175.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.169 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053175.D

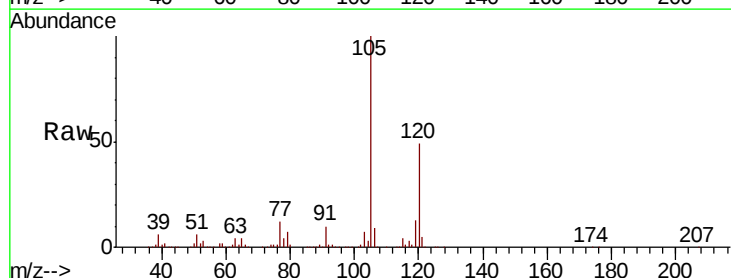
Acq: 24 Dec 2018 10:47

Tgt Ion: 105 Resp: 828714

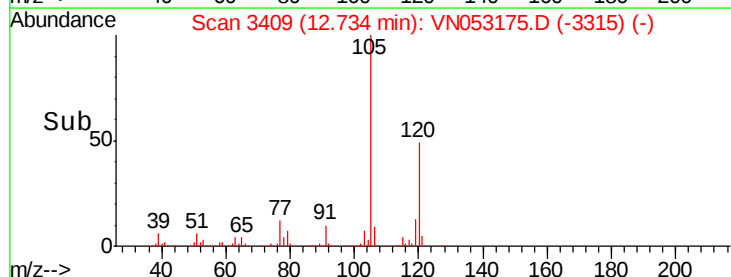
Ion Ratio Lower Upper

105 100

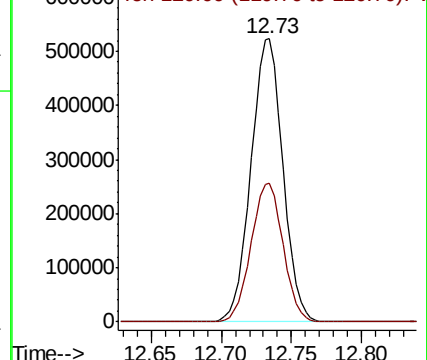
120 49.3 24.4 73.2

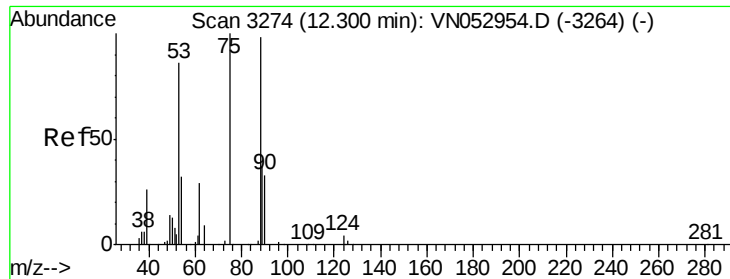


Abundance Ion 105.00 (104.70 to 105.70): VN053175.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN053175.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.189 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBS01

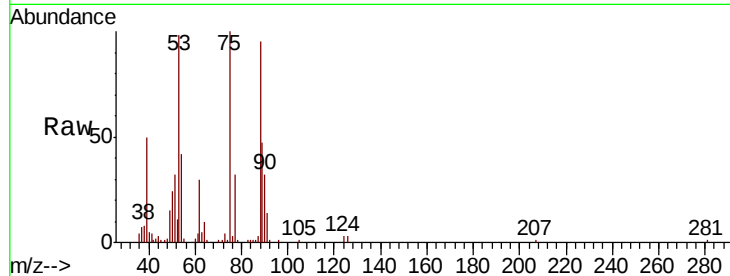
Tot Ion: 75 Resp: 61522

Ion Ratio Lower Upper

75 100

53 96.5 74.7 112.1

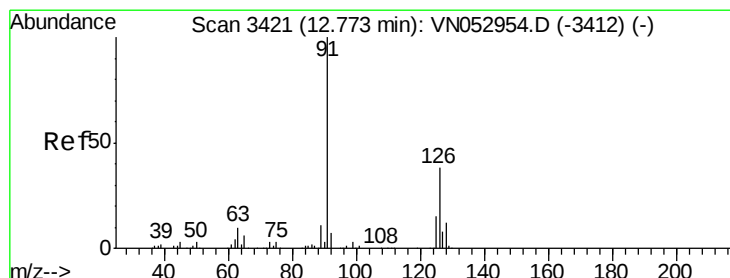
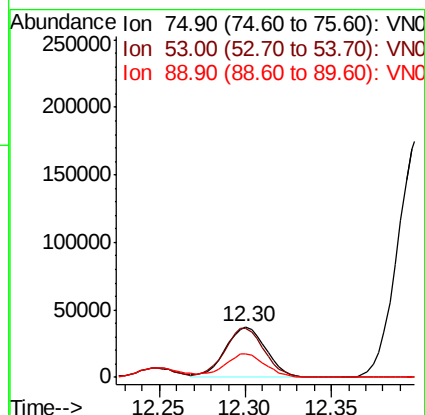
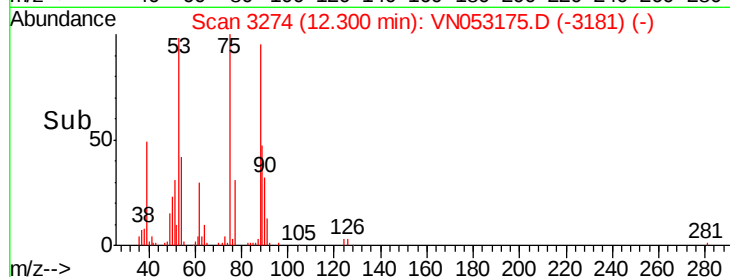
89 47.0 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052954.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052954.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 21.204 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053175.D

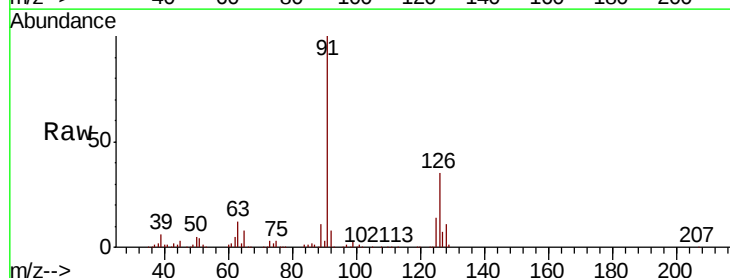
Acq: 24 Dec 2018 10:47

Tgt Ion: 91 Resp: 703761

Ion Ratio Lower Upper

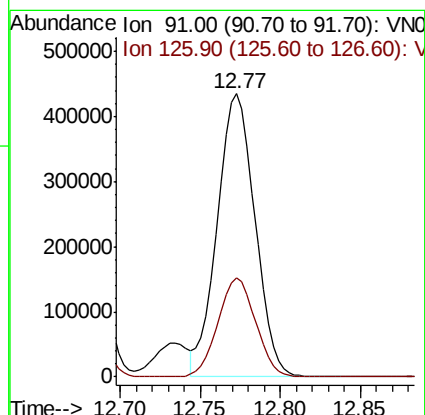
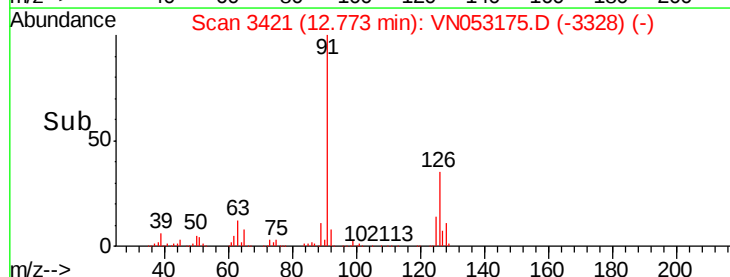
91 100

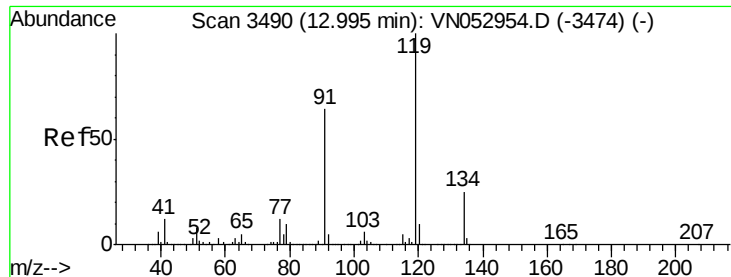
126 34.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3412) (-)

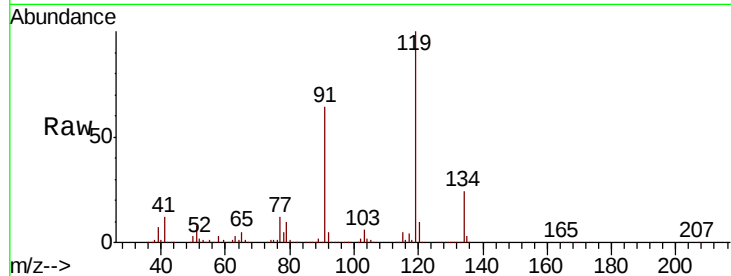




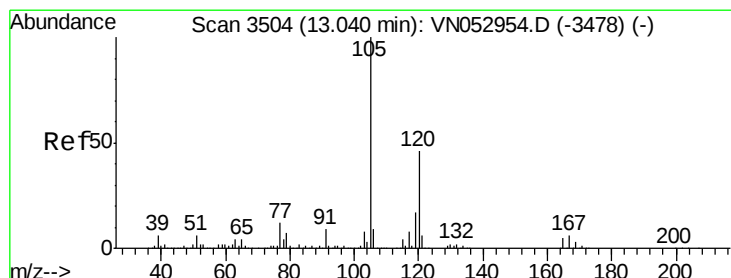
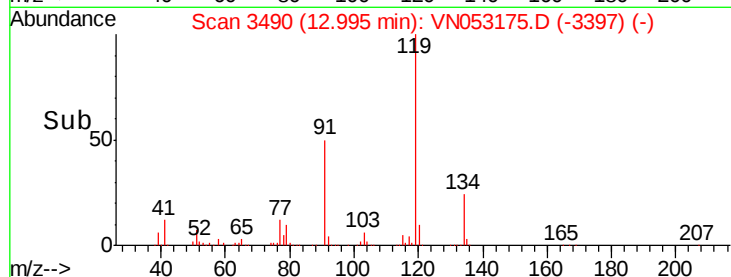
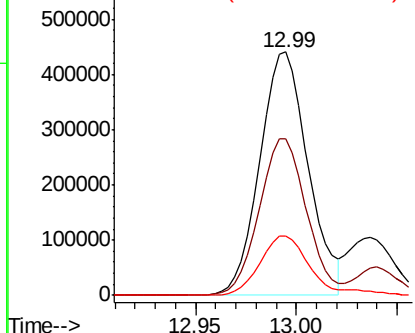
#83
tert-Butylbenzene
Concen: 21.256 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampled :
VN1224MBS01

Tot Ion:119 Resp: 735936
Ion Ratio Lower Upper
119 100
91 63.1 31.9 95.5
134 25.5 12.8 38.4

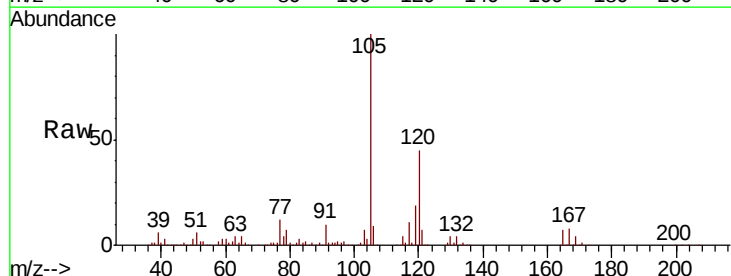


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

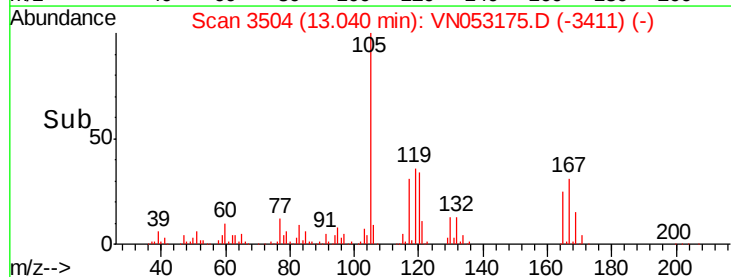
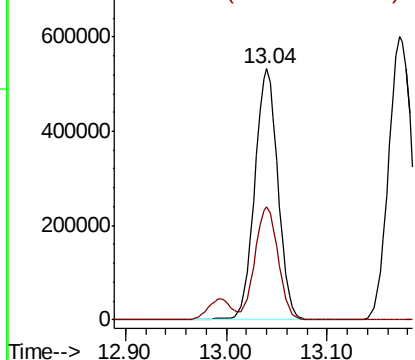


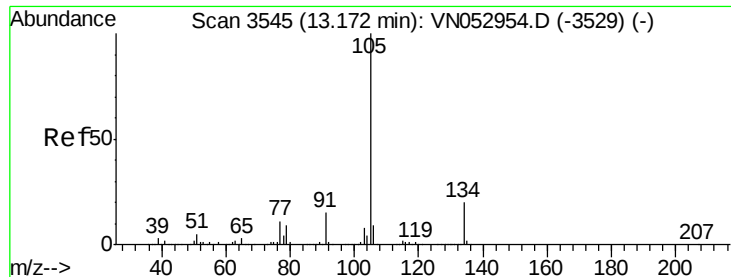
#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion:105 Resp: 840422
Ion Ratio Lower Upper
105 100
120 45.3 22.9 68.8



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

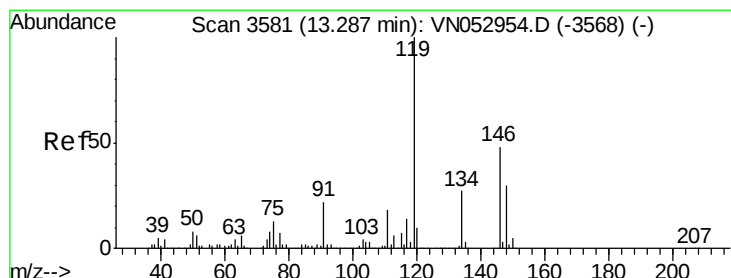
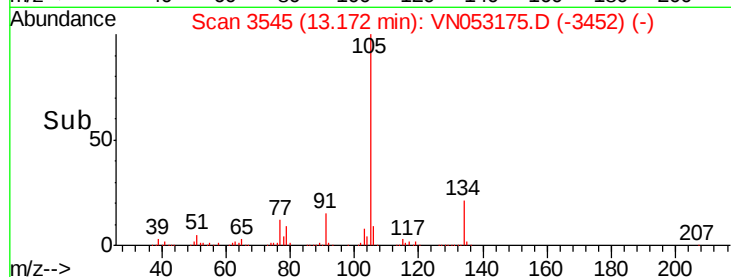
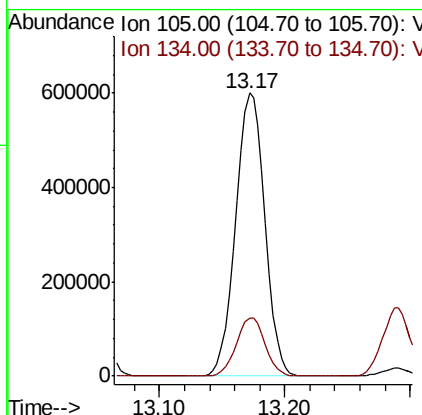
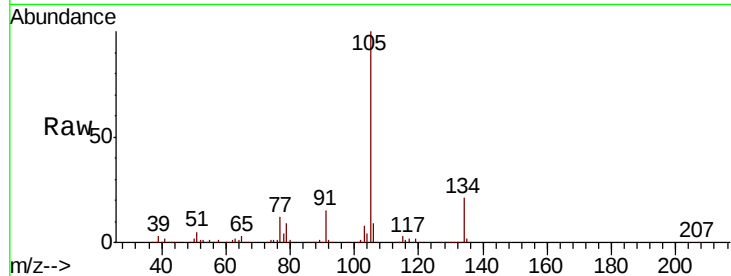




#85
 sec-Butylbenzene
 Concen: 20.680 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

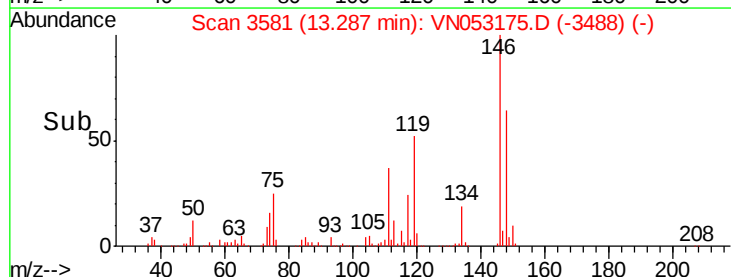
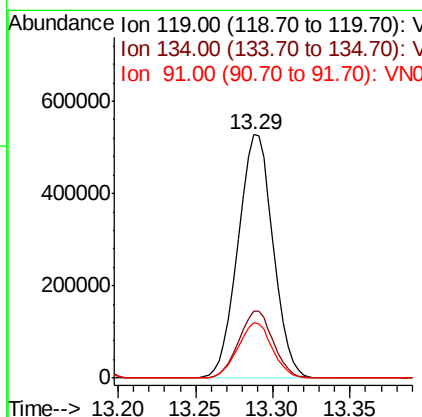
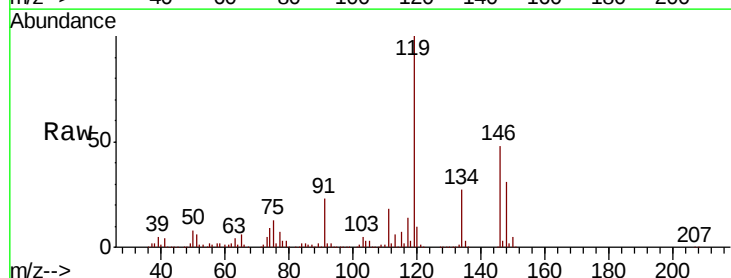
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

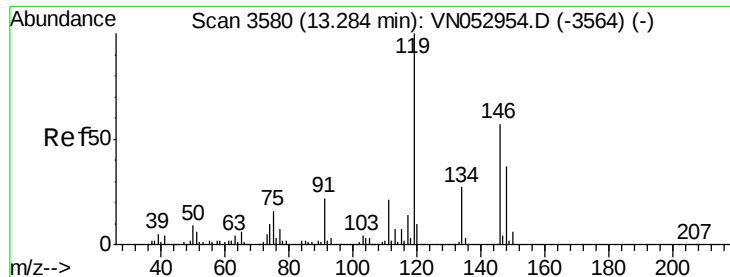
Tot Ion:105 Resp: 968431
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.525 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion:119 Resp: 830555
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 22.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.636 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

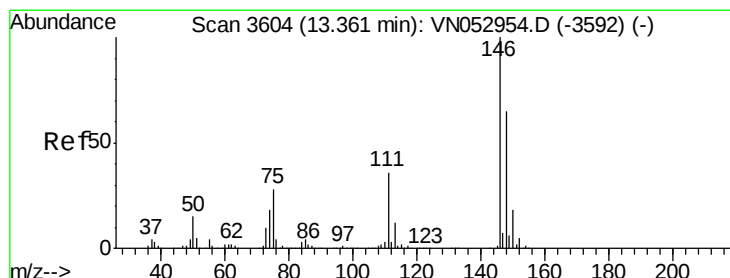
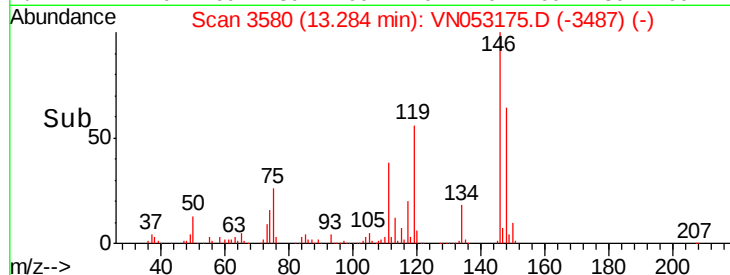
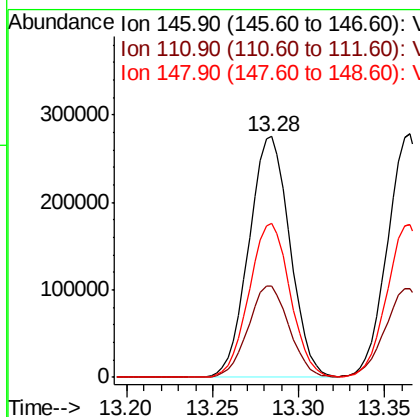
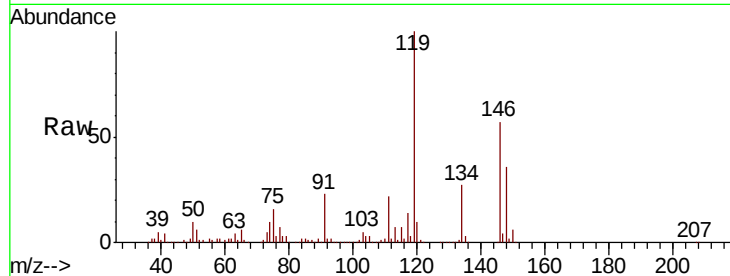
Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

Tot Ion:146 Resp: 455977

Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	63.9	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 20.039 ug/l

RT: 13.36 min Scan# 3605

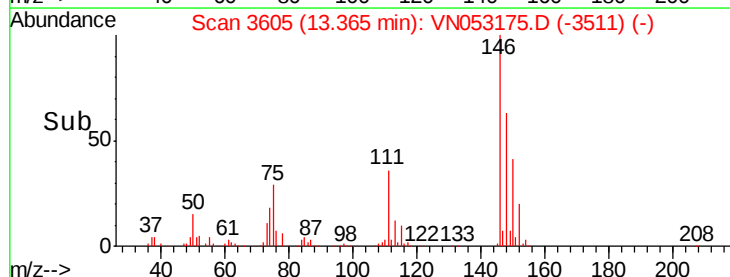
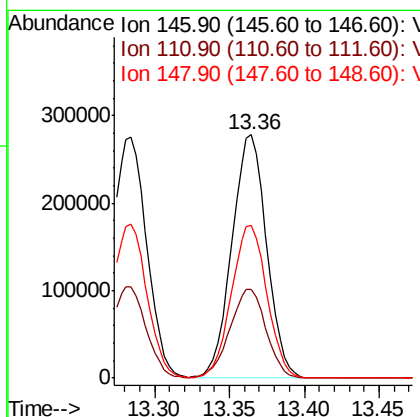
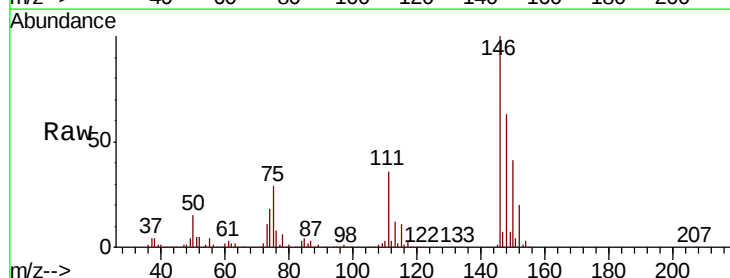
Delta R.T. 0.00 min

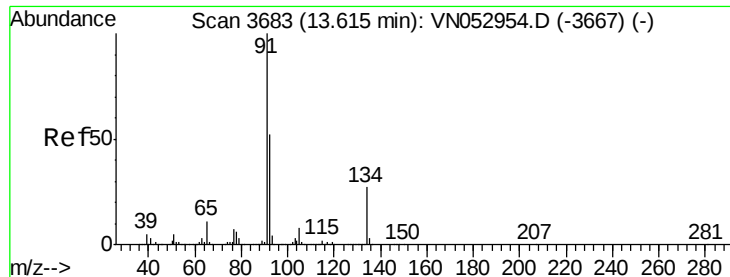
Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Tgt Ion:146 Resp: 448400

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 19.151 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053175.D

Acq: 24 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampled :

VN1224MBS01

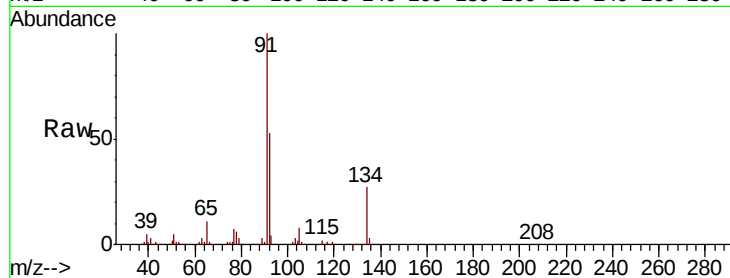
Tot Ion: 91 Resp: 666698

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.9

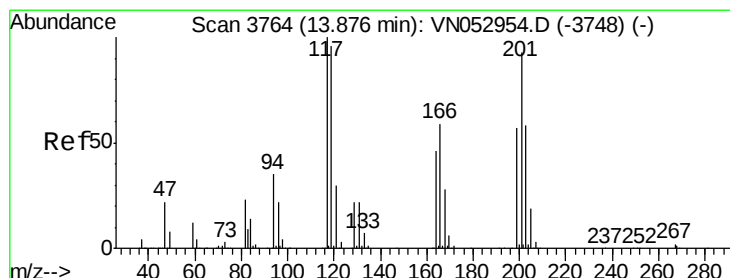
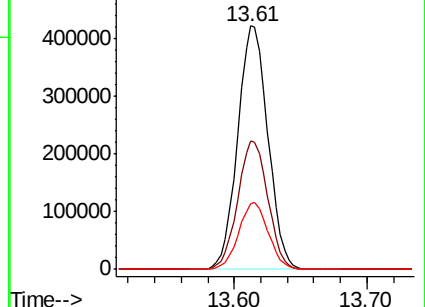
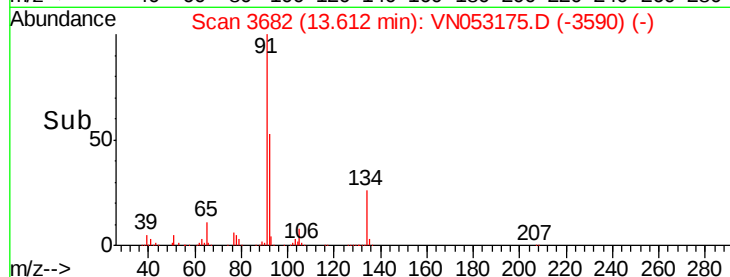
134 26.9 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.274 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053175.D

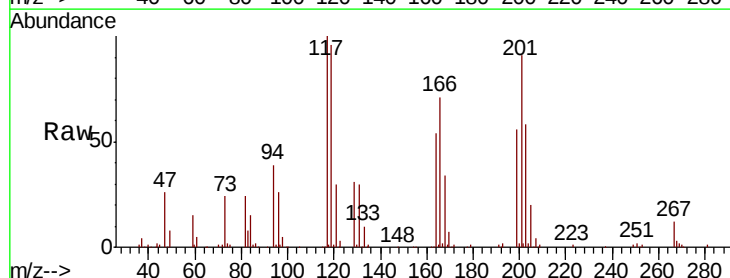
Acq: 24 Dec 2018 10:47

Tgt Ion: 117 Resp: 125899

Ion Ratio Lower Upper

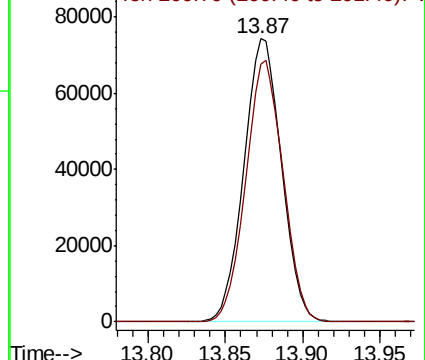
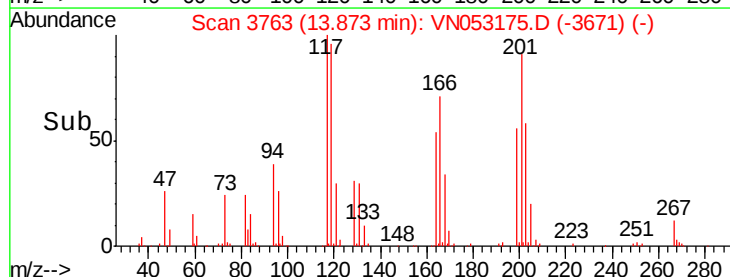
117 100

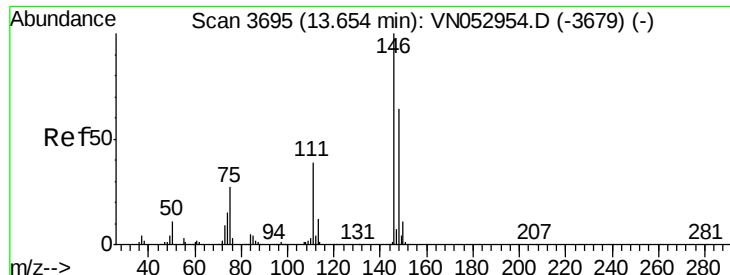
201 91.5 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

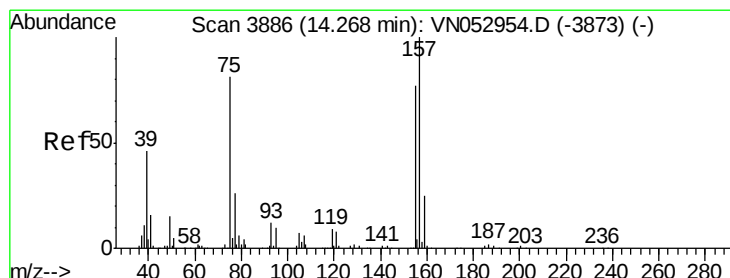
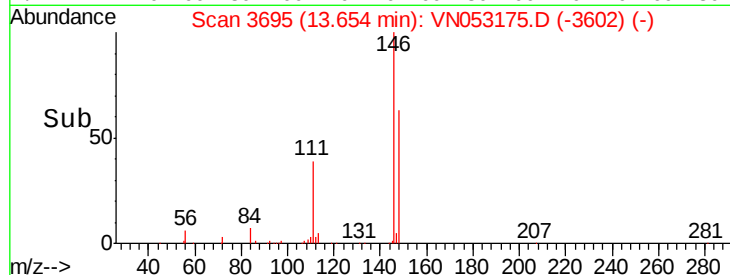
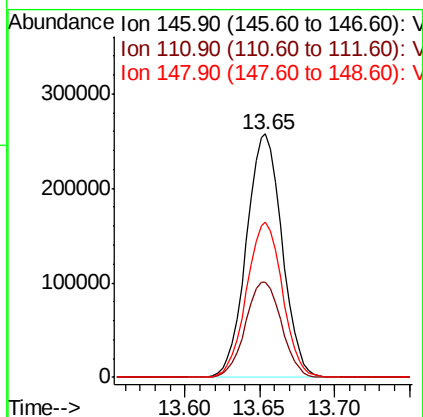
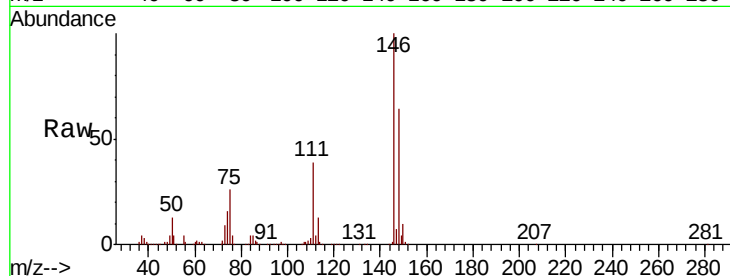




#91
 1,2-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

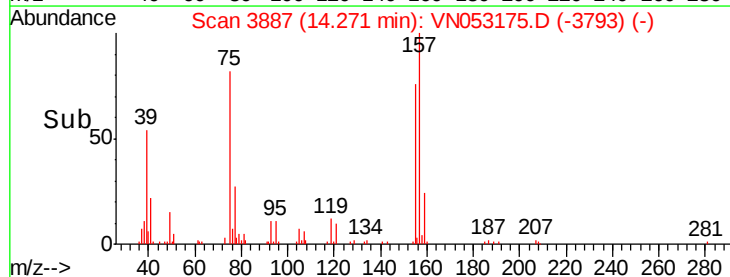
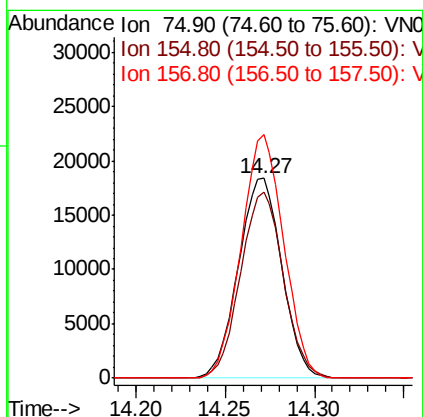
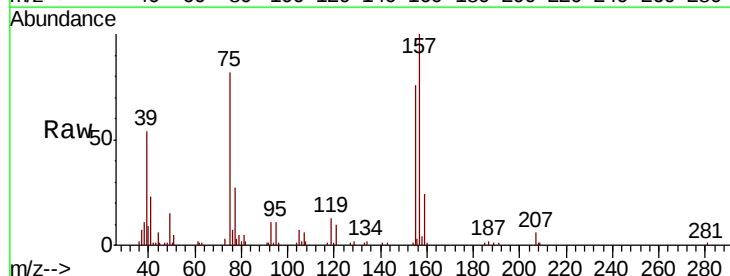
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

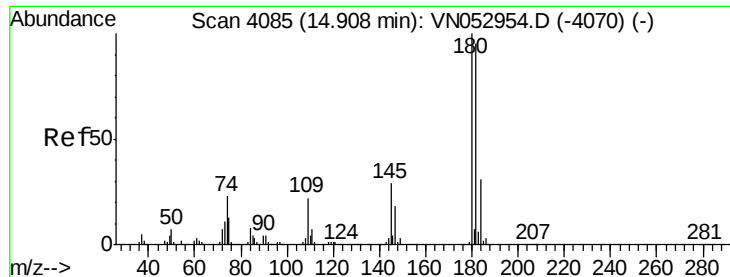
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.2	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.176 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	48.2	144.6
157	119.2	61.2	183.5

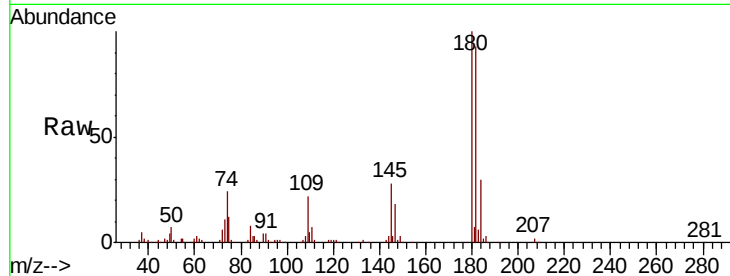




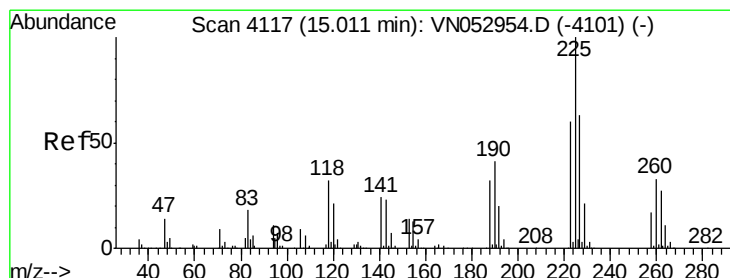
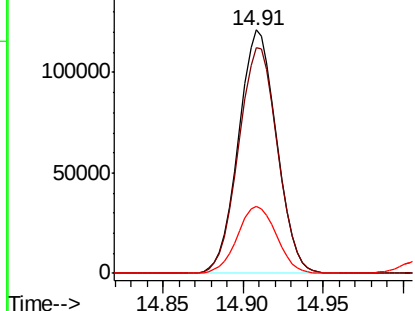
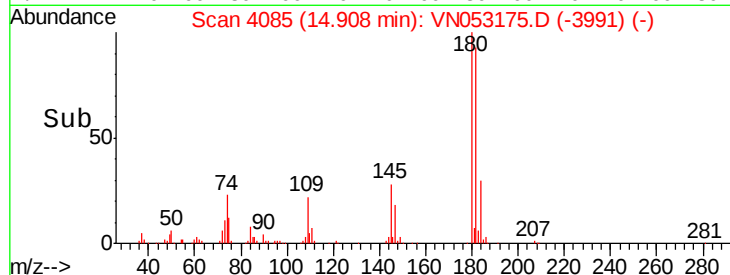
#93
 1,2,4-Trichlorobenzene
 Concen: 18.179 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBS01

Tot Ion:180 Resp: 196064
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 28.4 14.2 42.6

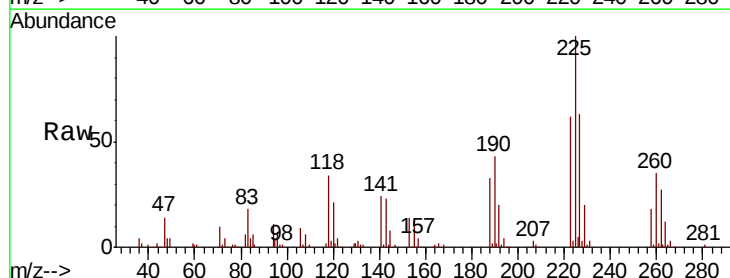


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

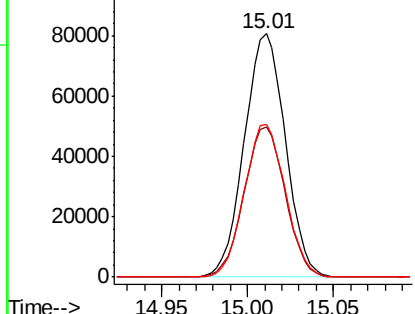
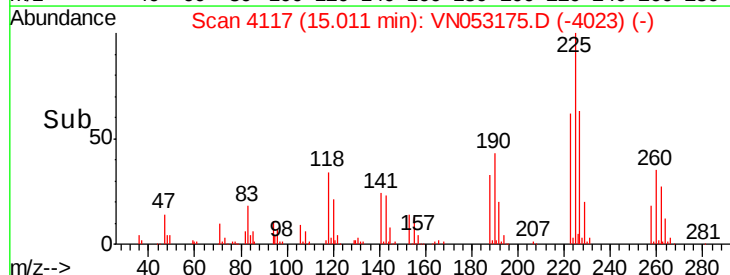


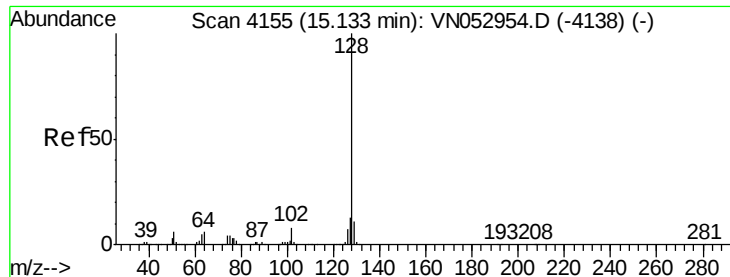
#94
 Hexachlorobutadiene
 Concen: 21.872 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053175.D
 Acq: 24 Dec 2018 10:47

Tgt Ion:225 Resp: 133991
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.5 94.5
 227 62.4 31.9 95.7



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

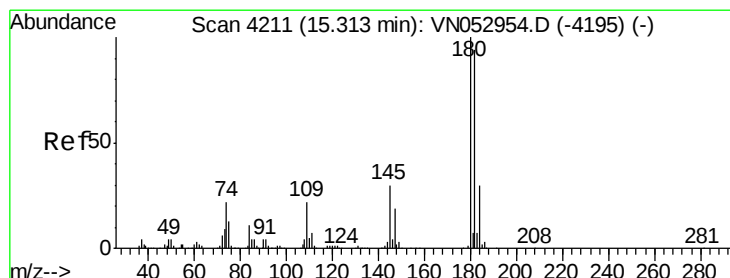
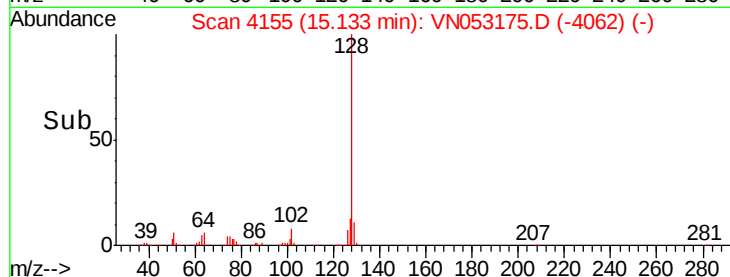
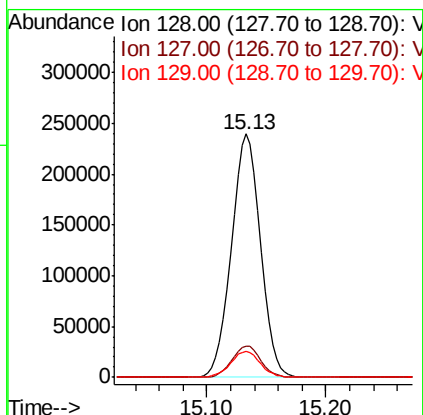
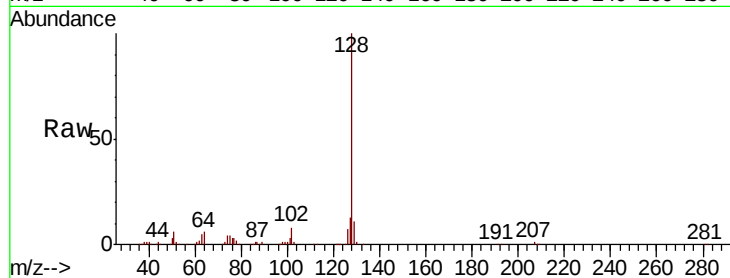




#95
Naphthalene
Concen: 17.513 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBS01

Tot Ion:128 Resp: 404288
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.932 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053175.D
Acq: 24 Dec 2018 10:47

Tgt Ion:180 Resp: 174651
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 29.3 15.0 45.0

