

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051978.D
 Acq On : 24 Oct 2018 10:38
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 14:30:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162190	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	905933	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	810087	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	284201	28.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	348322	29.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.40%
63) Toluene-d8	10.09	98	1046084	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	125187	19.867	ug/l 99
3) Chloromethane	2.06	50	109608	16.459	ug/l 100
4) Vinyl Chloride	2.19	62	143789	14.458	ug/l 97
5) Bromomethane	2.57	94	141313	16.082	ug/l 85
6) Chloroethane	2.71	64	105780	14.759	ug/l 98
7) Trichlorofluoromethane	3.02	101	257158	18.137	ug/l 94
8) Diethyl Ether	3.42	74	77587	18.797	ug/l 69
9) 1,1,2-Trichlorotrifluoroet	3.77	101	157442	19.499	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	142833	19.128	ug/l 81
11) Methyl Iodide	3.96	142	241066	22.207	ug/l 97
12) Methyl Acetate	4.33	43	90126	19.436	ug/l 93
13) Acrolein	3.61	56	10322	33.786	ug/l # 66
14) Acrylonitrile	4.99	53	189179	91.283	ug/l # 61
15) Acetone	3.82	58	46841	91.431	ug/l 96
16) Carbon Disulfide	4.06	76	322201	16.429	ug/l 99
17) Allyl chloride	4.33	41	131671	14.852	ug/l 74
18) Methylene Chloride	4.55	84	160610	19.236	ug/l # 86
19) trans-1,2-Dichloroethene	5.05	96	158715	18.614	ug/l # 81
20) Diisopropyl ether	5.95	45	340633	17.252	ug/l # 83
21) 1,1-Dichloroethane	5.85	63	246462	17.864	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	189224	18.894	ug/l # 78
23) tert-Butyl Alcohol	4.78	59	40427	74.067	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	375055	17.433	ug/l # 68
25) Chloroform	7.37	83	303678	18.554	ug/l 99
26) Cyclohexane	7.66	56	192336	16.444	ug/l # 66
29) 1,1-Dichloropropene	7.79	75	206841	17.713	ug/l 94
30) 2-Butanone	6.84	43	213358	87.415	ug/l # 87
31) 2,2-Dichloropropane	6.83	77	229393	16.699	ug/l # 74
32) 1,1,1-Trichloroethane	7.57	97	275756	17.811	ug/l # 94
33) Carbon Tetrachloride	7.78	117	242398	17.305	ug/l 92
34) Benzene	8.04	78	631233	18.274	ug/l # 67
35) Methacrylonitrile	7.17	41	40352	12.584	ug/l # 71
36) 1,2-Dichloroethane	8.13	62	201570	18.212	ug/l # 94
37) Trichloroethene	8.84	130	201508	18.793	ug/l 94
38) Methylcyclohexane	9.08	83	252681	16.871	ug/l 77
39) 1,2-Dichloropropane	9.12	63	145352	17.868	ug/l 93
40) Dibromomethane	9.21	93	116245	19.254	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	212080	17.007	ug/l	96
42) Vinyl Acetate	5.90	43	1138998	82.898	ug/l #	87
43) Ethyl Acetate	6.93	43	90760	17.125	ug/l	97
44) Isopropyl Acetate	8.17	43	173163	16.358	ug/l	96
45) 1,4-Dioxane	9.20	88	26383	310.395	ug/l #	75
46) Methyl methacrylate	9.20	41	84044	17.213	ug/l	76
47) n-amyl Acetate	12.07	43	154555	17.441	ug/l #	69
48) t-1,3-Dichloropropene	10.38	75	194572	16.000	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	231252	17.250	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	156027	18.704	ug/l	94
51) Ethyl methacrylate	10.43	69	167547	17.544	ug/l	83
52) 1,3-Dichloropropane	10.71	76	234949	18.249	ug/l	98
53) Dibromochloromethane	10.90	129	170963	16.567	ug/l	95
54) 1,2-Dibromoethane	11.00	107	165667	18.921	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	495487	121.364	ug/l #	91
56) Bromoform	12.13	173	100898	14.825	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	486662	89.772	ug/l #	86
59) 2-Hexanone	10.75	43	341676	93.424	ug/l #	89
61) Tetrachloroethene	10.63	164	189174	18.260	ug/l	97
62) Toluene	10.16	91	752894	18.708	ug/l	99
64) Chlorobenzene	11.43	112	507957	19.272	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	187117	18.496	ug/l	98
66) Ethyl Benzene	11.51	91	820534	18.448	ug/l	98
67) m/p-Xylenes	11.62	106	660441	36.626	ug/l	95
68) o-Xylene	11.95	106	324425	18.250	ug/l	86
69) Styrene	11.96	104	507885	18.621	ug/l	95
70) Isopropylbenzene	12.25	105	854013	18.015	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	175085	18.702	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	205063	27.844	ug/l	76
73) Bromobenzene	12.53	156	228826	19.488	ug/l	80
74) n-propylbenzene	12.59	91	919591	18.034	ug/l	94
75) 2-Chlorotoluene	12.67	91	540354	18.076	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	692069	17.655	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	36506	14.988	ug/l	97
78) 4-Chlorotoluene	12.77	91	549905	18.723	ug/l	91
79) tert-butylbenzene	12.99	119	649052	18.004	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	710072	18.124	ug/l	96
81) sec-Butylbenzene	13.17	105	851379	18.053	ug/l	98
82) p-Isopropyltoluene	13.29	119	758320	17.970	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	412936	19.931	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	400006	20.508	ug/l	98
85) n-Butylbenzene	13.61	91	584592	18.371	ug/l	94
86) Hexachloroethane	13.87	117	106813	14.679	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	398157	19.850	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22046	15.769	ug/l #	56
89) 1,2,4-Trichlorobenzene	14.91	180	196764	22.590	ug/l	99
90) Hexachlorobutadiene	15.01	225	114436	17.703	ug/l	97
91) Naphthalene	15.13	128	394041	22.896	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	173614	19.024	ug/l	93

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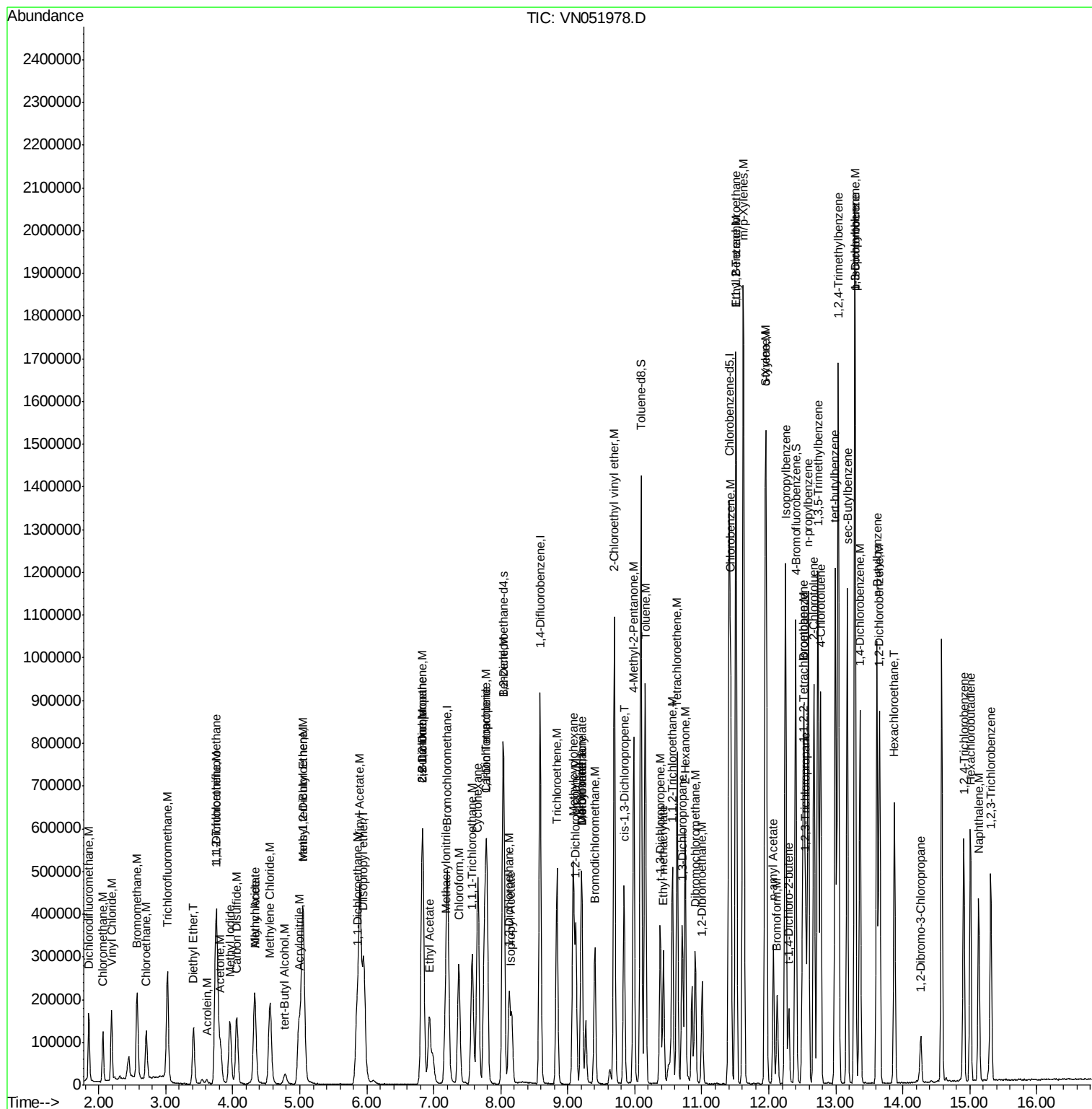
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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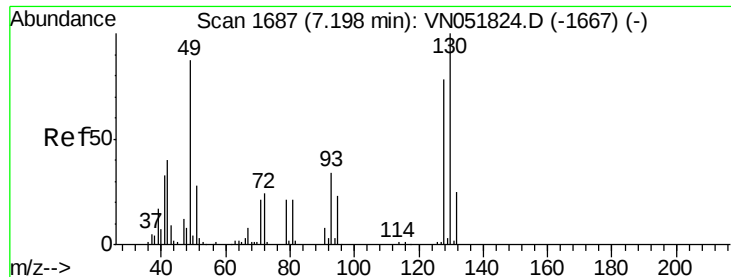
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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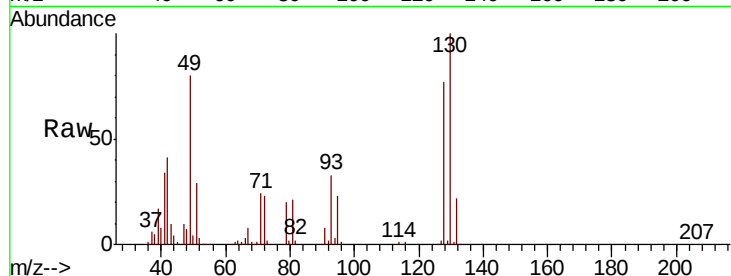




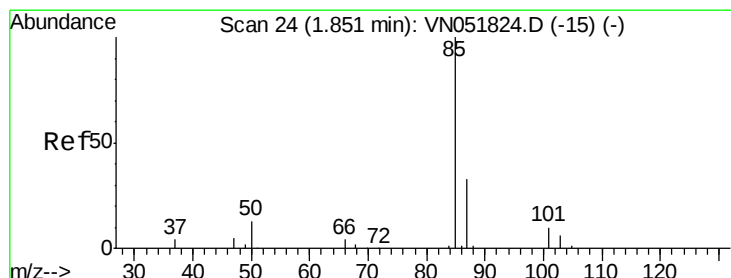
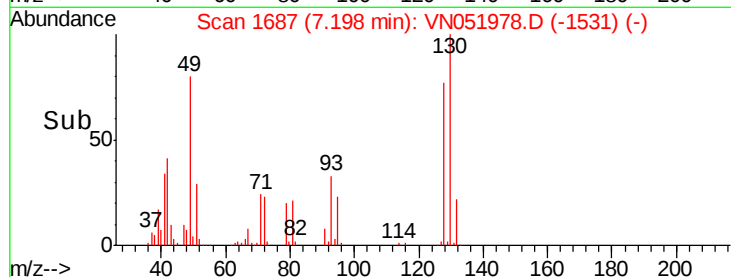
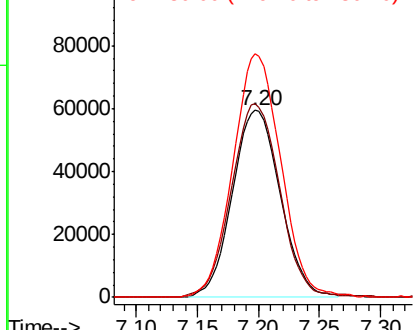
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 162190
Ion Ratio Lower Upper
128 100
49 104.6 0.0 403.3
130 130.2 0.0 326.0

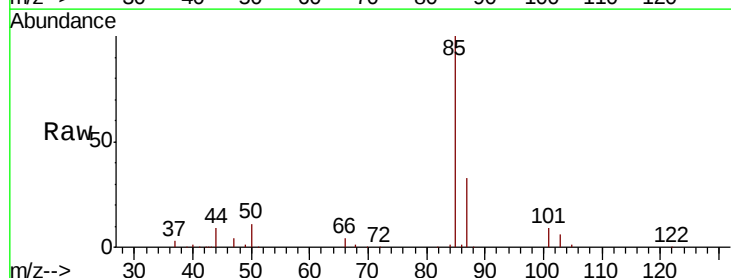


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

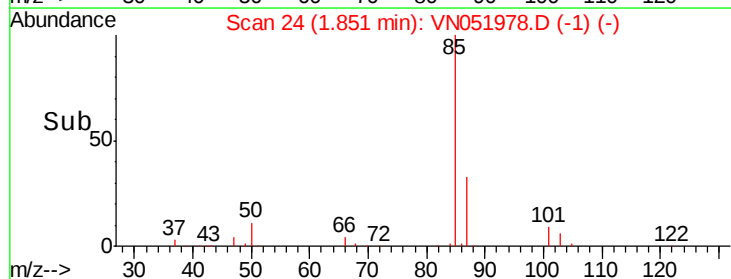
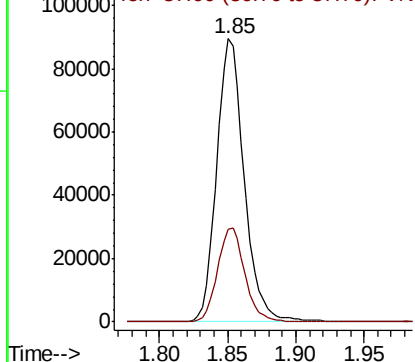


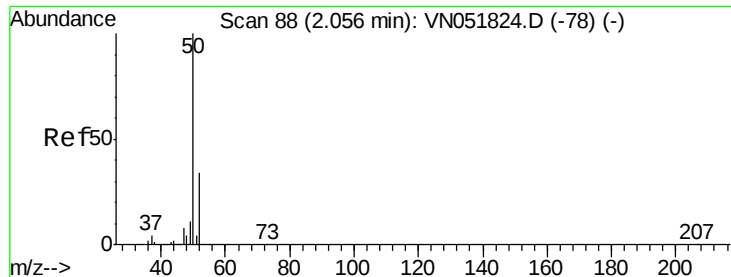
#2
Dichlorodifluoromethane
Concen: 19.867 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 85 Resp: 125187
Ion Ratio Lower Upper
85 100
87 32.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.459 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

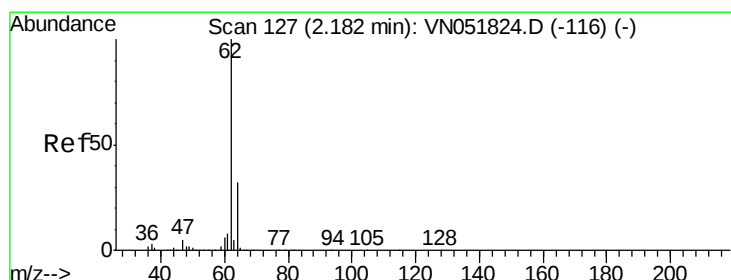
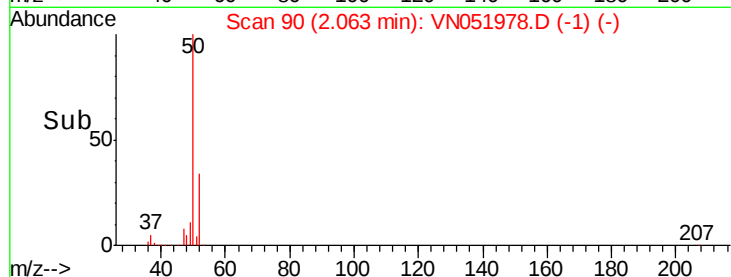
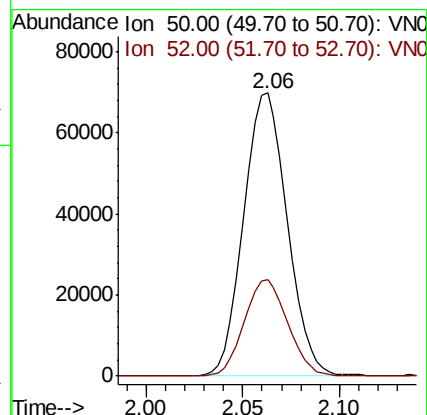
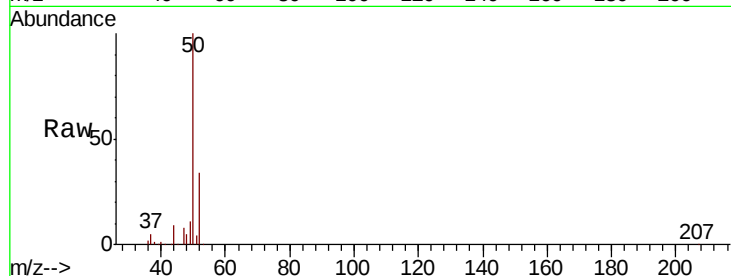
ClientSampleId :

Tot Ion: 50 Resp: 109608

Ion Ratio Lower Upper

50 100

52 34.2 27.2 40.8



#4

Vinyl Chloride

Concen: 14.458 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051978.D

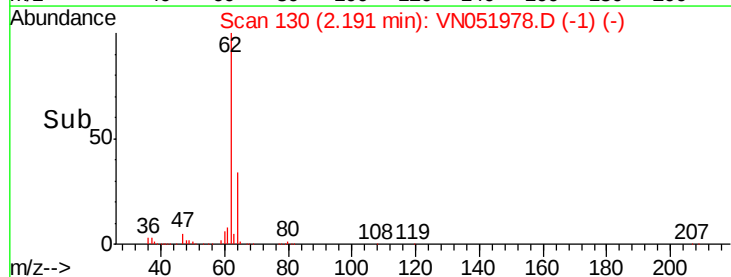
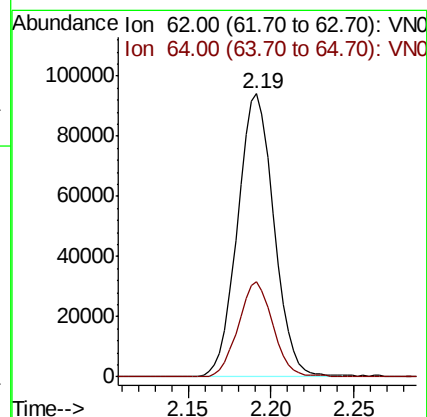
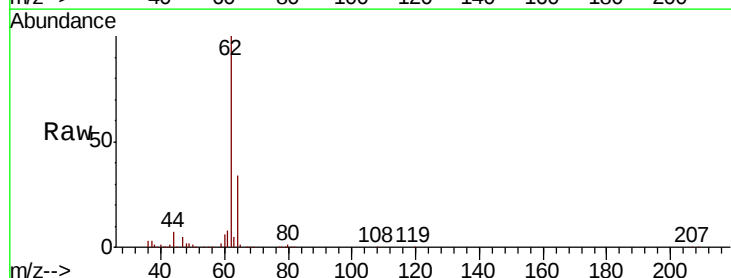
Acq: 24 Oct 2018 10:38

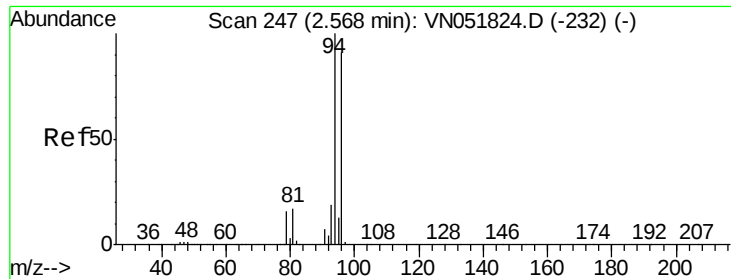
Tgt Ion: 62 Resp: 143789

Ion Ratio Lower Upper

62 100

64 33.6 25.4 38.2





#5

Bromomethane

Concen: 16.082 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

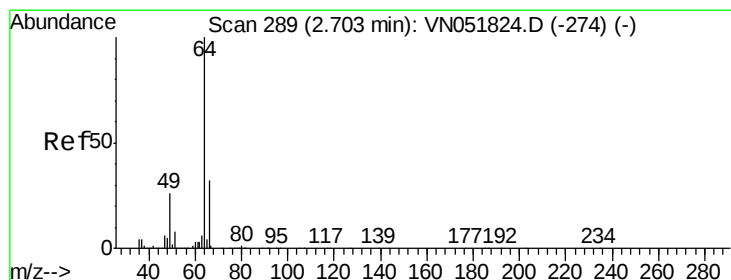
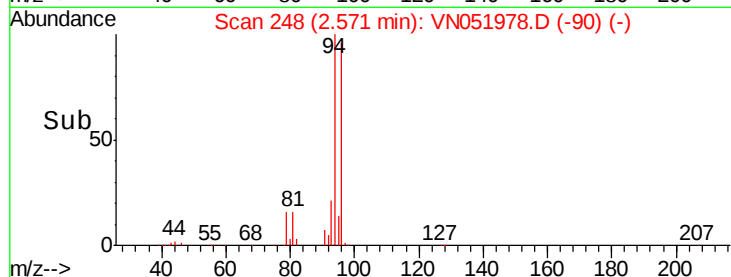
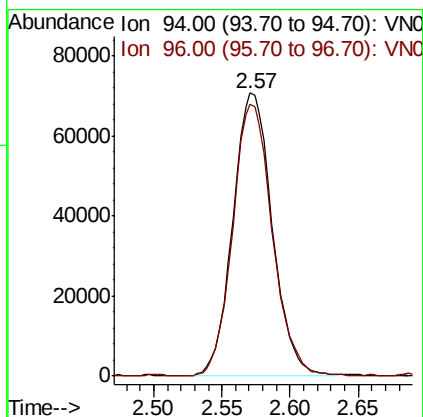
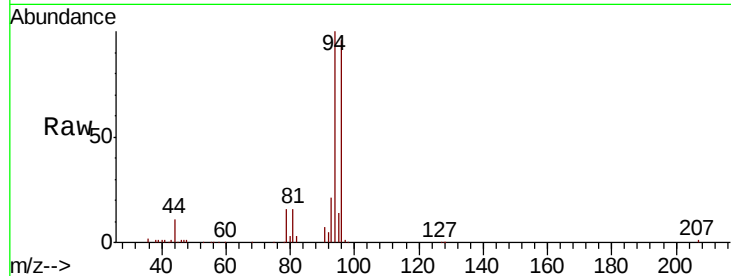
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 141313

Ion Ratio Lower Upper

94 100

96 96.5 66.4 99.6



#6

Chloroethane

Concen: 14.759 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN051978.D

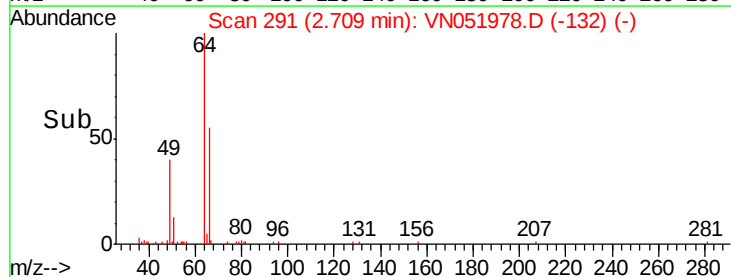
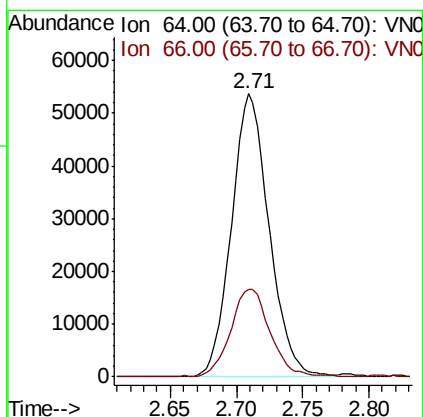
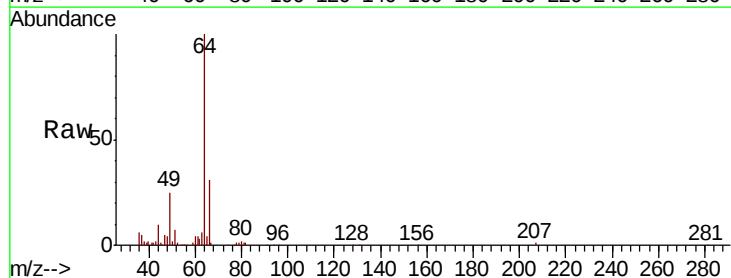
Acq: 24 Oct 2018 10:38

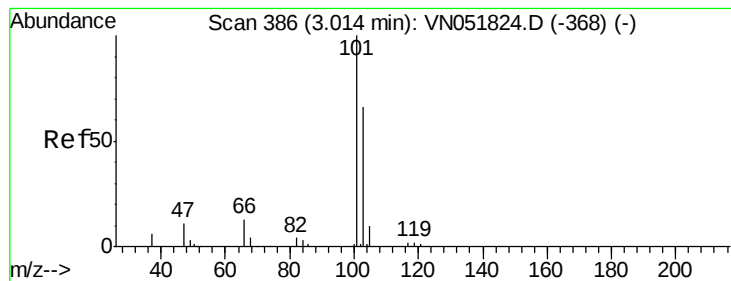
Tgt Ion: 64 Resp: 105780

Ion Ratio Lower Upper

64 100

66 31.0 25.8 38.6



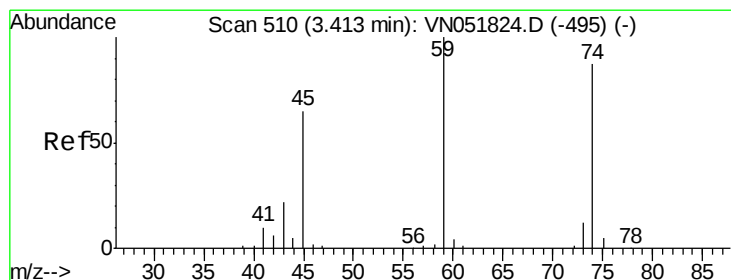
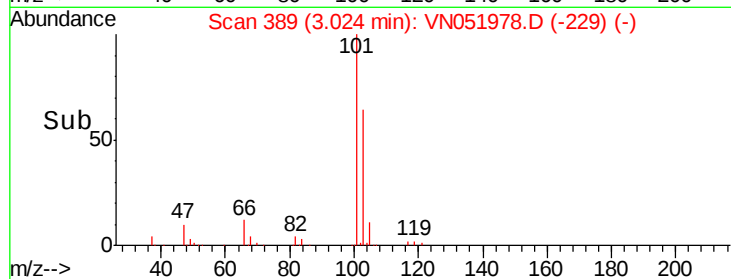
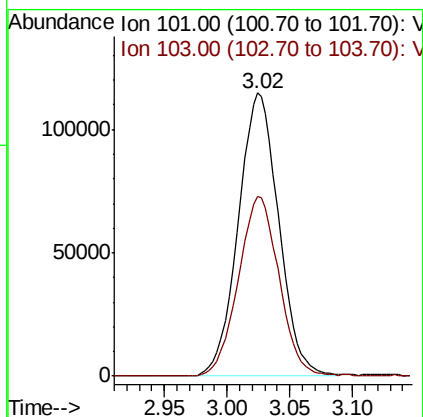
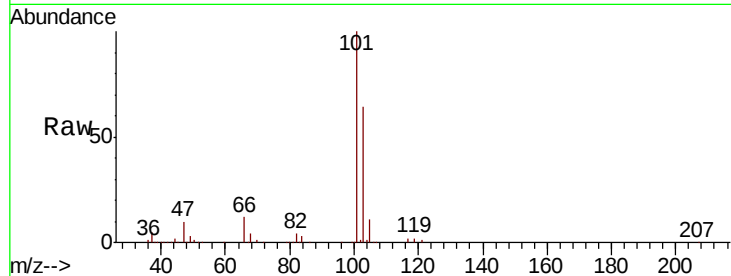


#7

Trichlorofluoromethane
 Concen: 18.137 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :

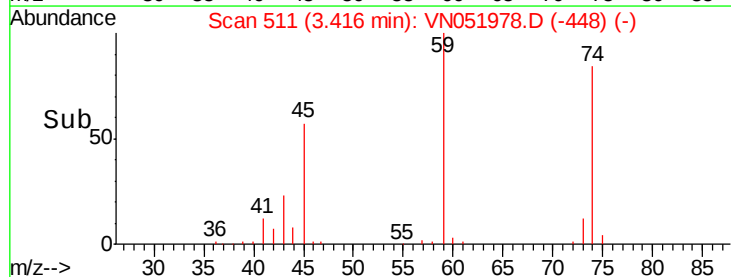
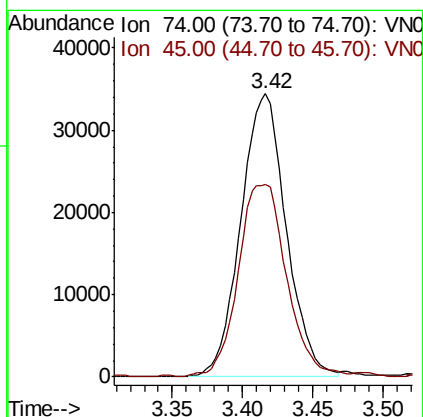
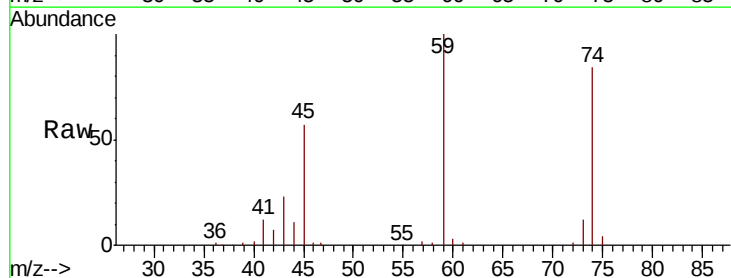
Tot Ion:101 Resp: 257158
 Ion Ratio Lower Upper
 101 100
 103 63.7 54.8 82.2

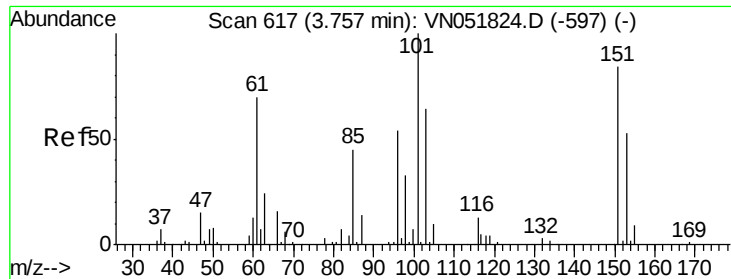


#8

Diethyl Ether
 Concen: 18.797 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion: 74 Resp: 77587
 Ion Ratio Lower Upper
 74 100
 45 72.4 20.7 186.5

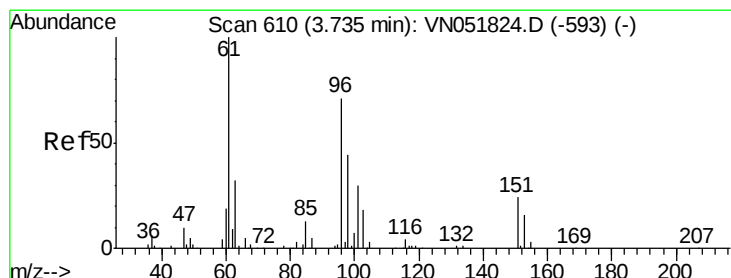
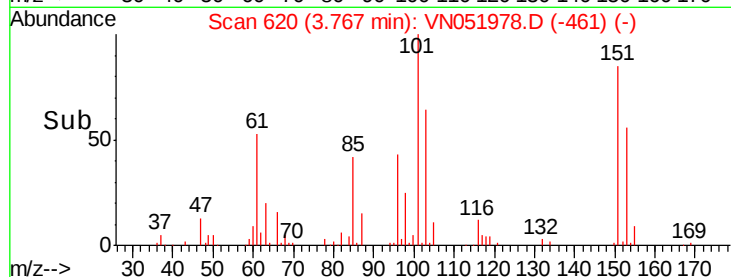
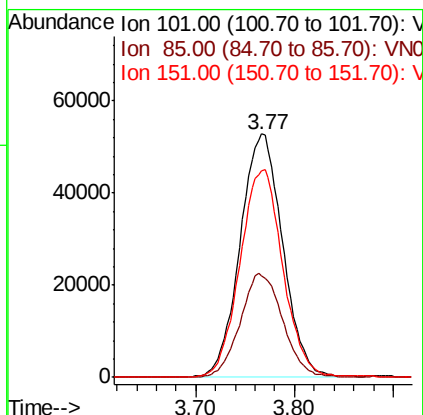
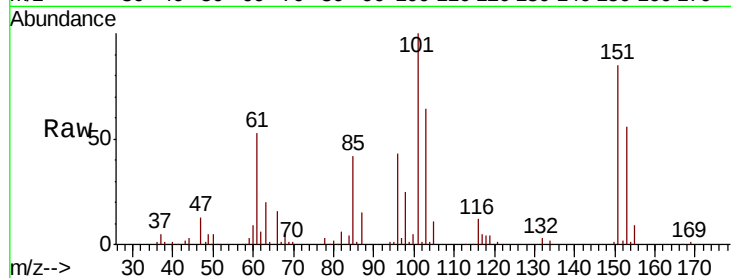




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.499 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

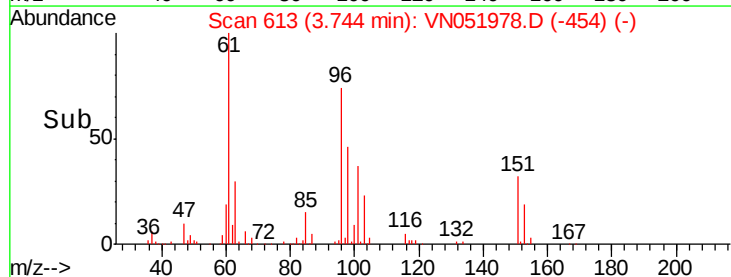
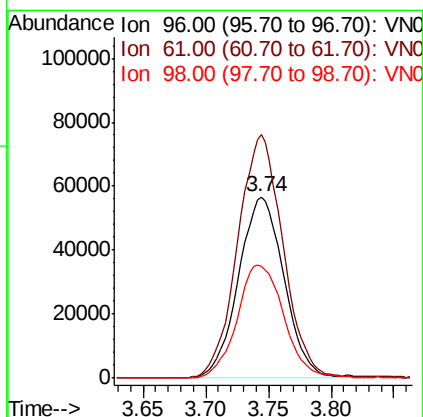
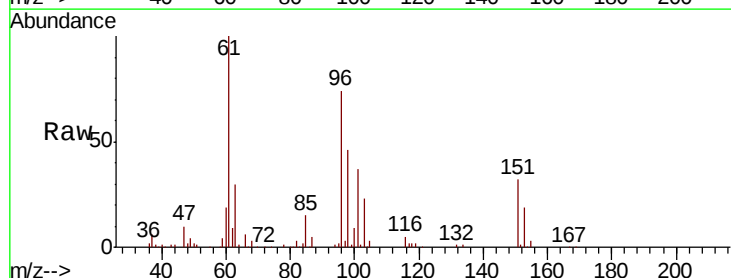
Instrument :
 MSVOA_N
 ClientSampleId :

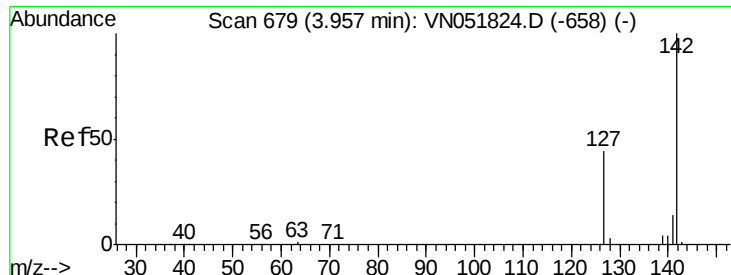
Tot Ion:101 Resp: 157442
 Ion Ratio Lower Upper
 101 100
 85 42.6 0.0 46.0
 151 85.9 0.0 82.2#



#10
 1,1-Dichloroethene
 Concen: 19.128 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion: 96 Resp: 142833
 Ion Ratio Lower Upper
 96 100
 61 133.9 133.0 199.6
 98 61.5 52.6 78.8

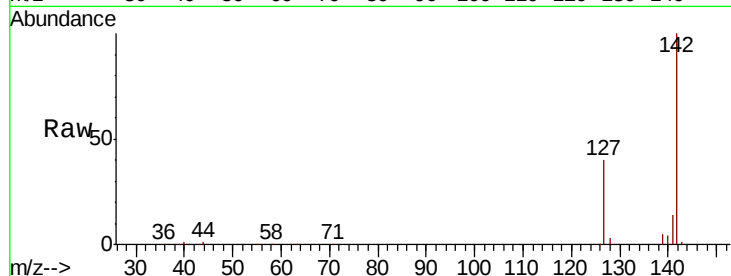




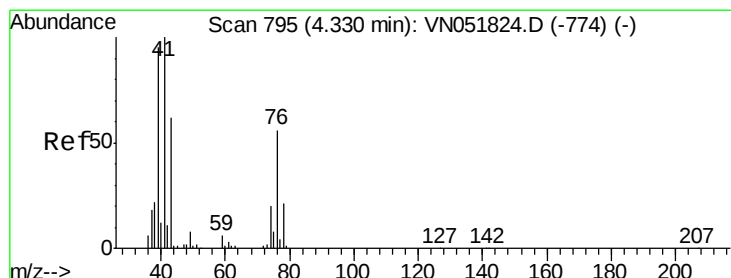
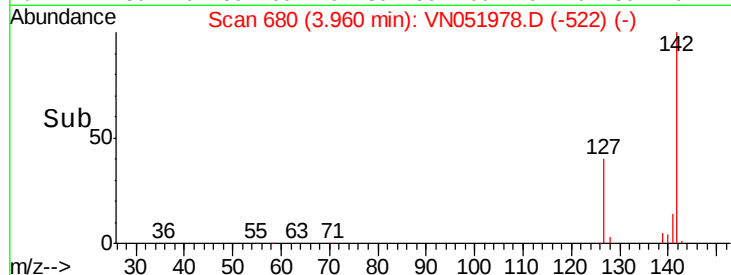
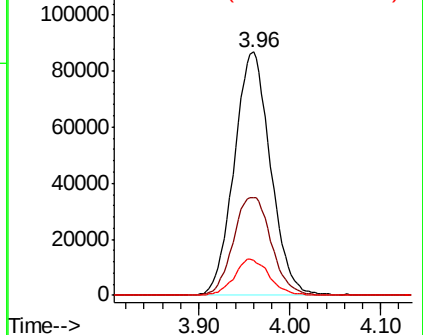
#11
Methvl Iodide
Concen: 22.207 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 241066
Ion Ratio Lower Upper
142 100
127 40.4 19.7 59.0
141 14.5 6.3 18.9

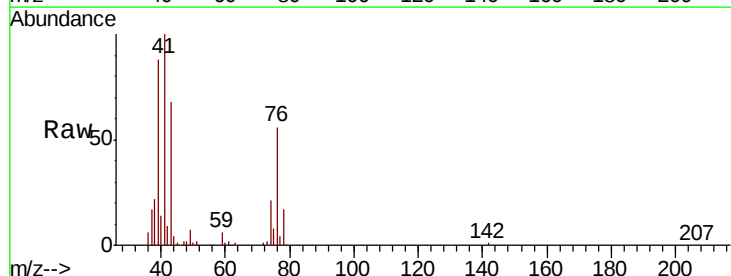


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

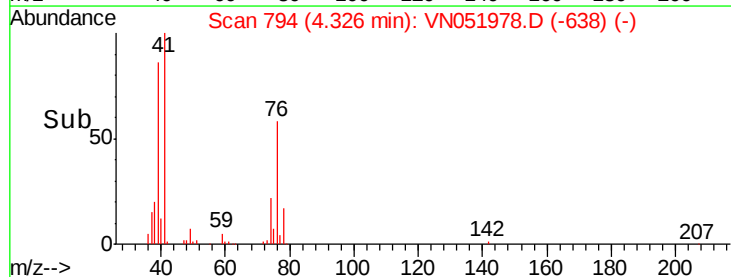
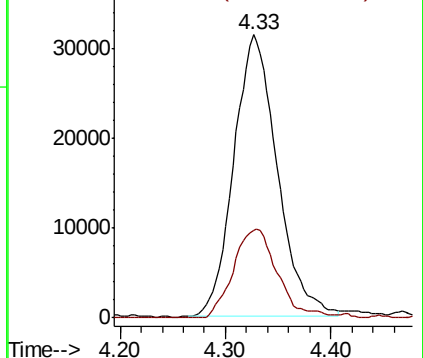


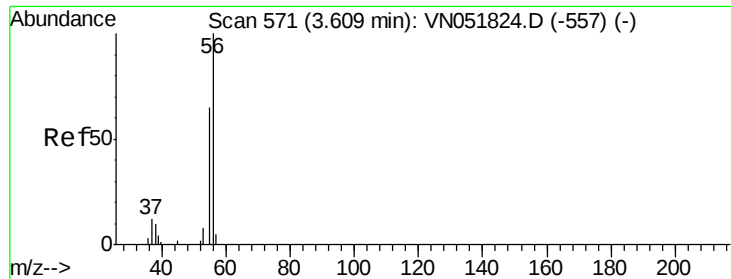
#12
Methyl Acetate
Concen: 19.436 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 43 Resp: 90126
Ion Ratio Lower Upper
43 100
74 31.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 33.786 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

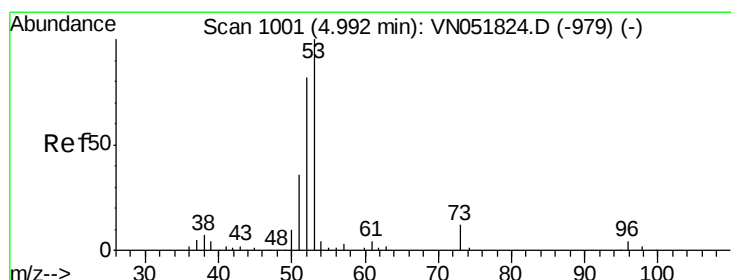
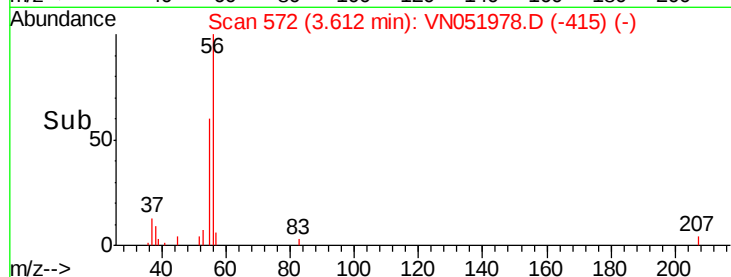
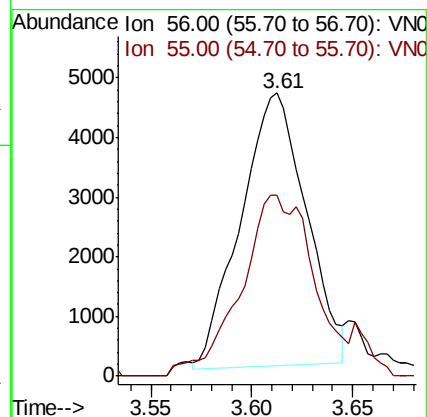
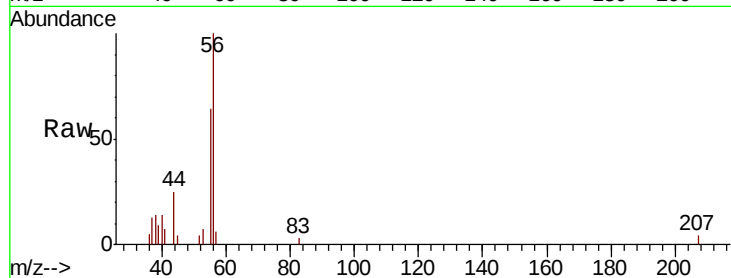
ClientSampled :

Tot Ion: 56 Resp: 10322

Ion Ratio Lower Upper

56 100

55 49.6 64.0 96.0#



#14

Acrylonitrile

Concen: 91.283 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

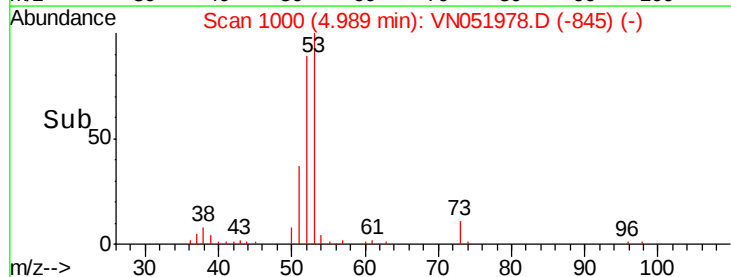
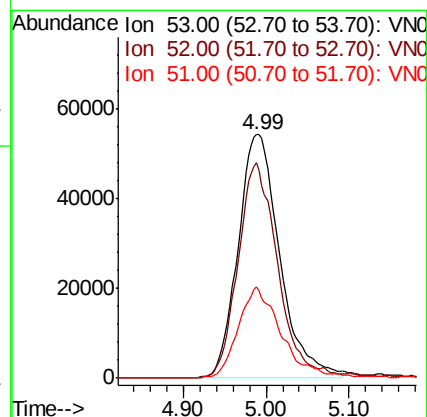
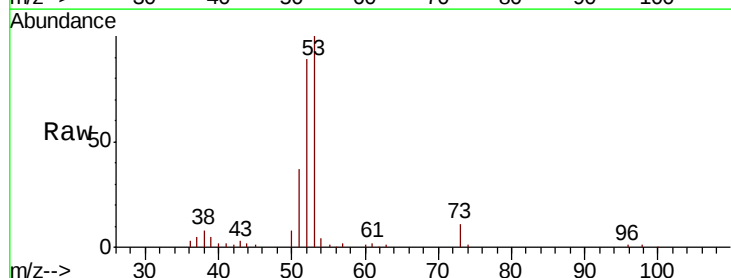
Tgt Ion: 53 Resp: 189179

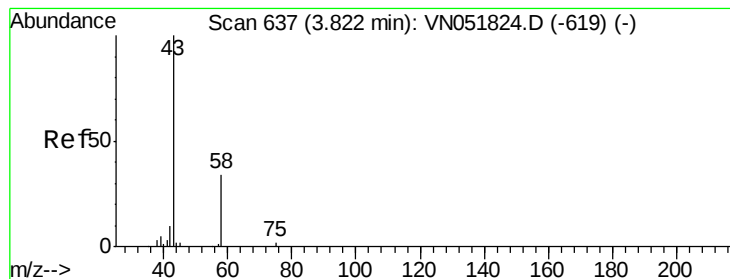
Ion Ratio Lower Upper

53 100

52 82.8 18.3 54.8#

51 37.9 19.7 59.1





#15

Acetone

Concen: 91.431 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

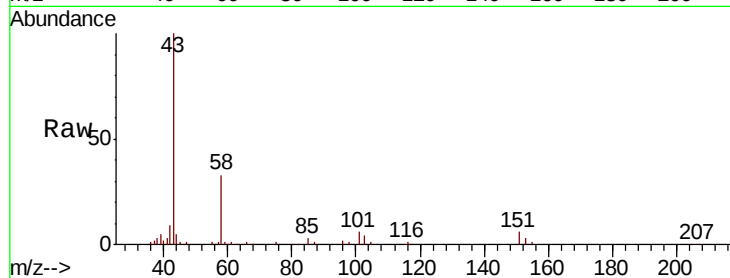
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 46841

Ion Ratio Lower Upper

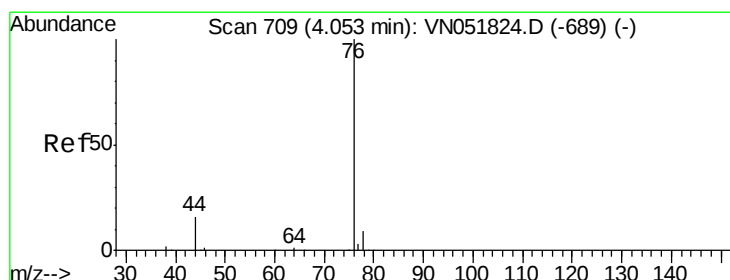
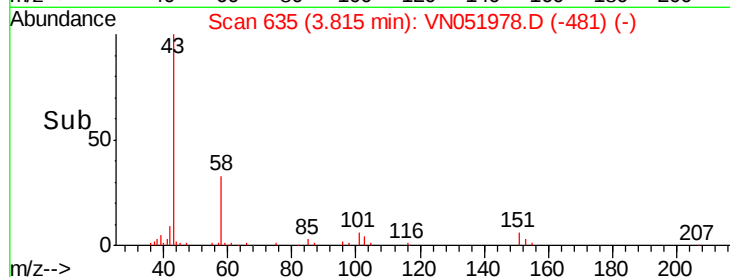
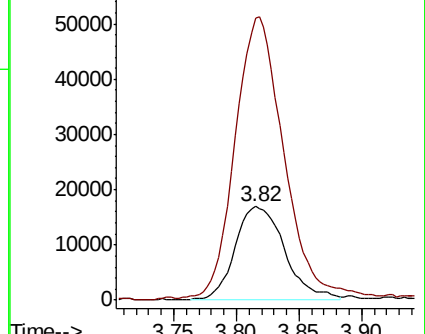
58 100

43 297.1 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-619) (-)



#16

Carbon Disulfide

Concen: 16.429 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051978.D

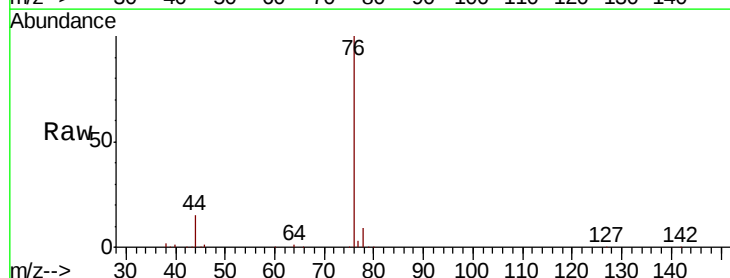
Acq: 24 Oct 2018 10:38

Tgt Ion: 76 Resp: 322201

Ion Ratio Lower Upper

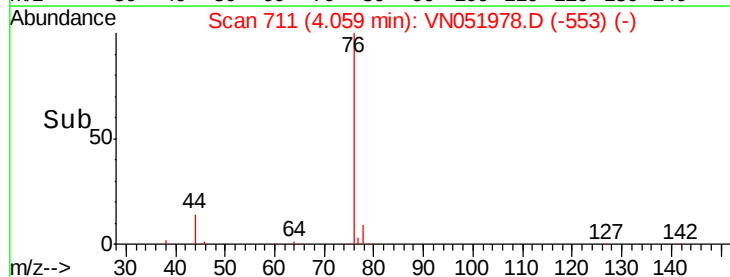
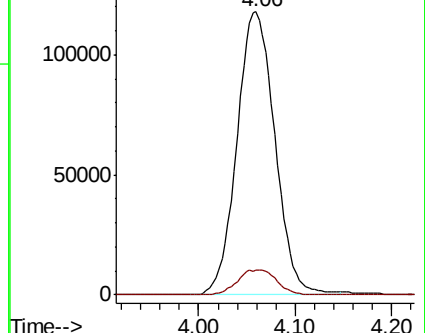
76 100

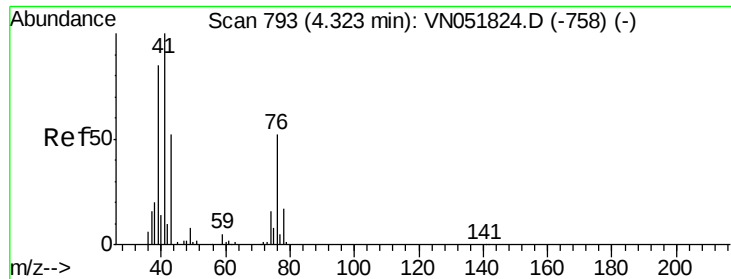
78 8.6 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-689) (-)

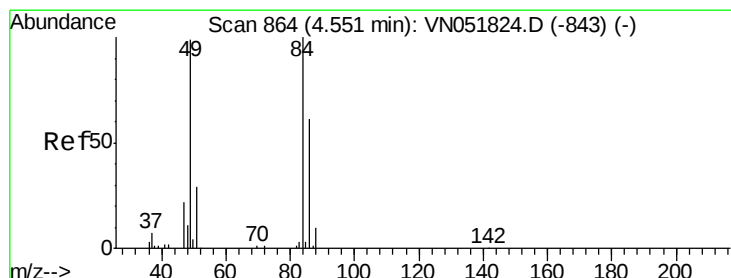
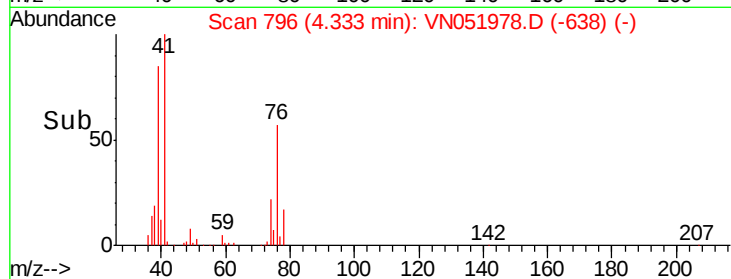
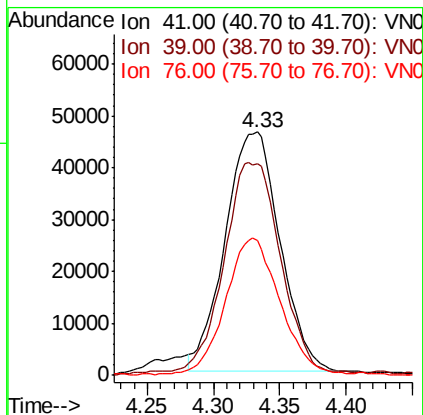
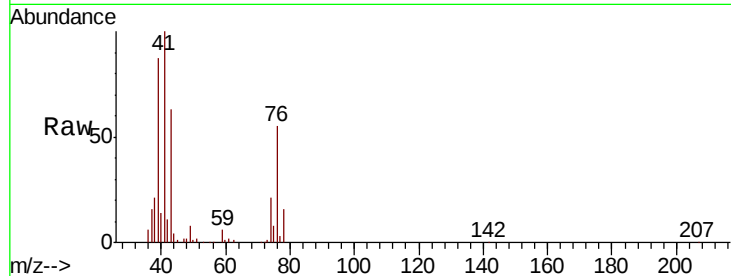




#17
Allvl chloride
Concen: 14.852 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

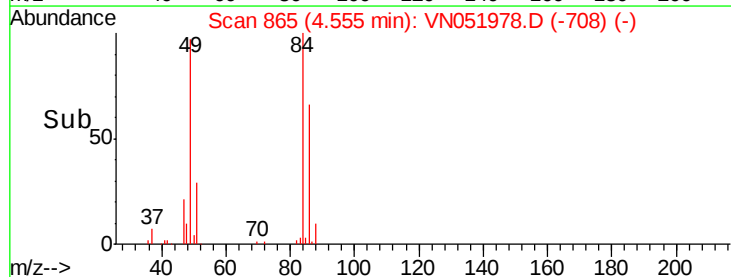
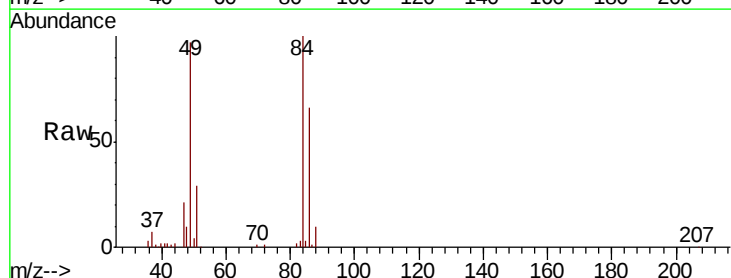
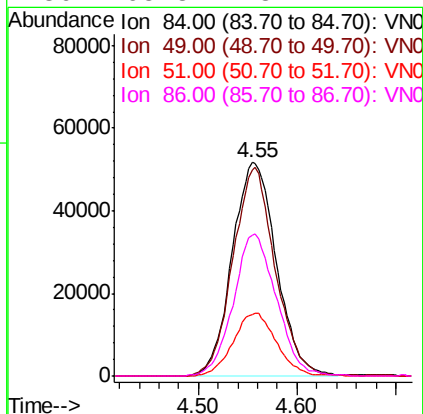
Instrument :
MSVOA_N
ClientSampled :

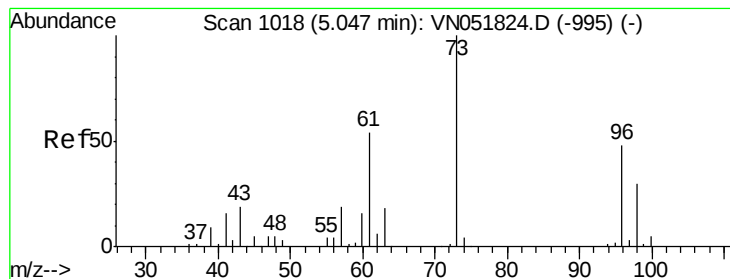
Tot Ion: 41 Resp: 131671
Ion Ratio Lower Upper
41 100
39 86.5 32.6 97.8
76 55.0 20.2 60.5



#18
Methylene Chloride
Concen: 19.236 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 84 Resp: 160610
Ion Ratio Lower Upper
84 100
49 96.5 91.6 137.4
51 28.5 29.8 44.6#
86 65.8 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 18.614 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

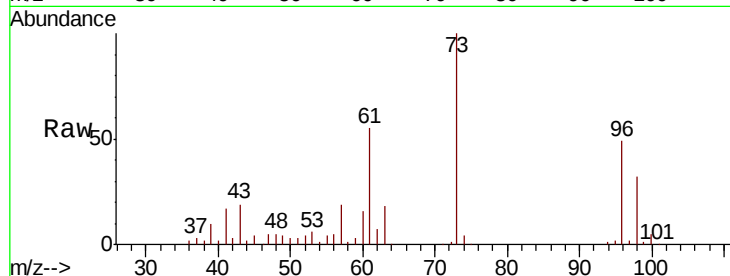
Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

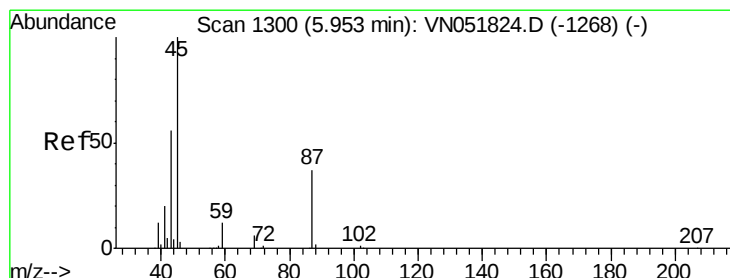
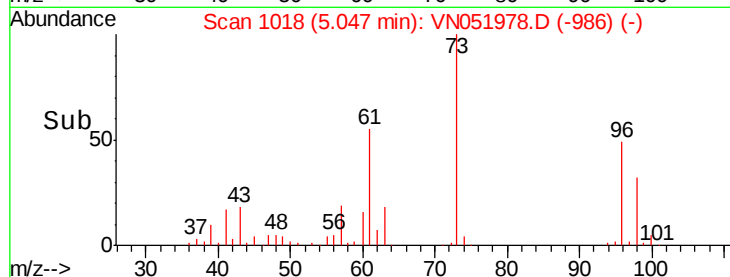
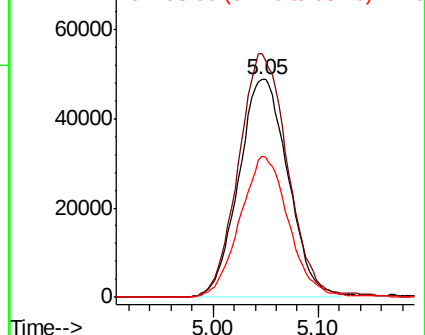
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 158715

Ion	Ratio	Lower	Upper
96	100		
61	111.7	112.3	168.5#
98	64.8	47.1	70.7



Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-995) (-)



#20

Diisopropyl ether

Concen: 17.252 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

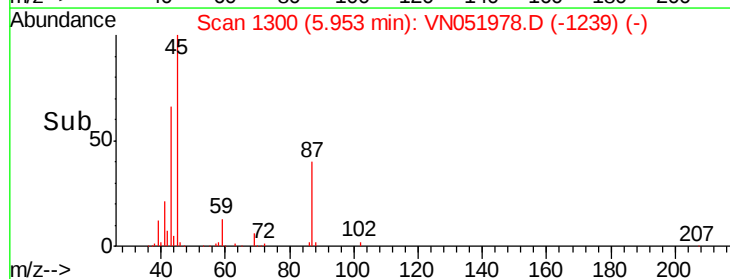
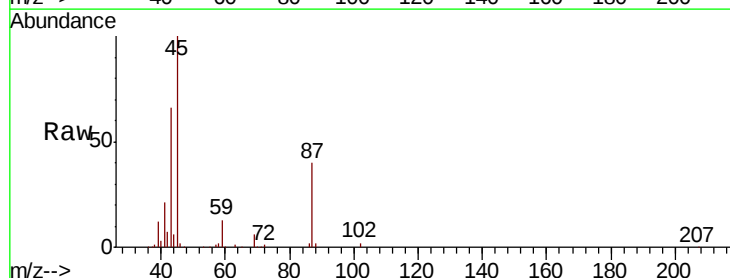
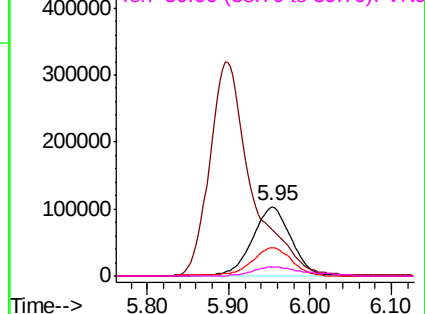
Lab File: VN051978.D

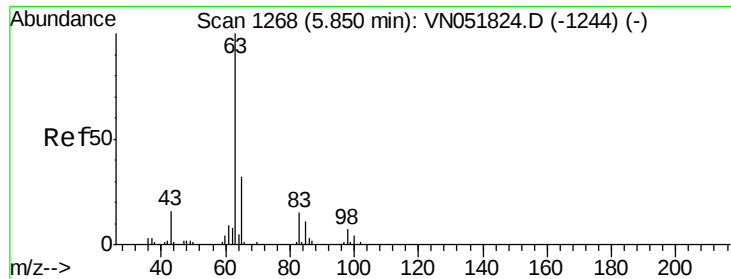
Acq: 24 Oct 2018 10:38

Tgt Ion: 45 Resp: 340633

Ion	Ratio	Lower	Upper
45	100		
43	63.5	62.1	93.1
87	39.6	19.9	29.9#
59	12.5	9.8	14.6

Abundance Ion 45.00 (44.70 to 45.70): VN051824.D (-1268) (-)





#21

1,1-Dichloroethane

Concen: 17.864 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

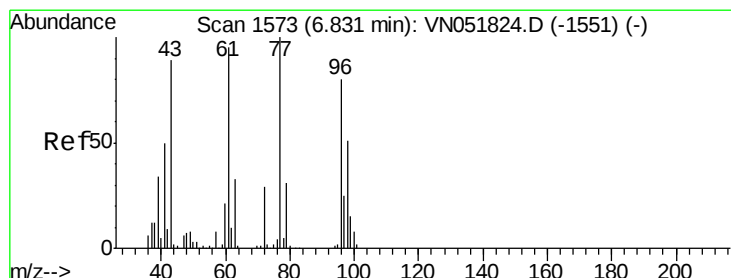
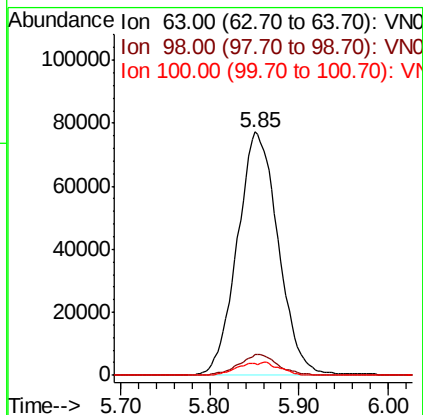
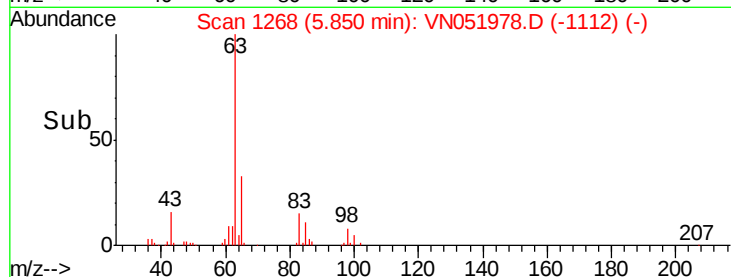
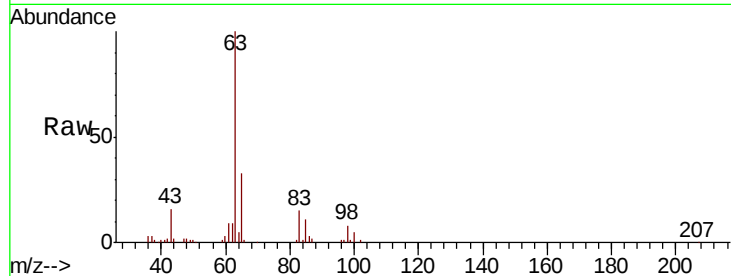
Tot Ion: 63 Resp: 246462

Ion Ratio Lower Upper

63 100

98 8.4 4.1 12.3

100 4.7 1.6 4.7#



#22

cis-1,2-Dichloroethene

Concen: 18.894 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

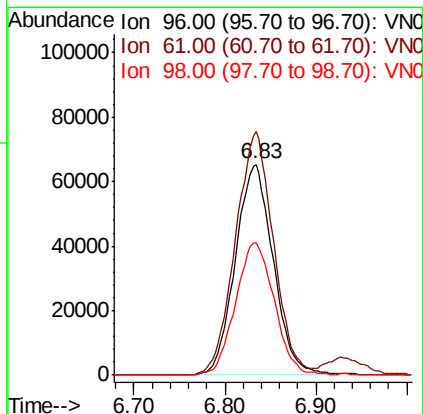
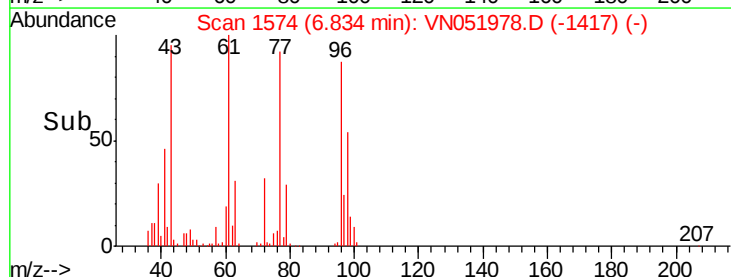
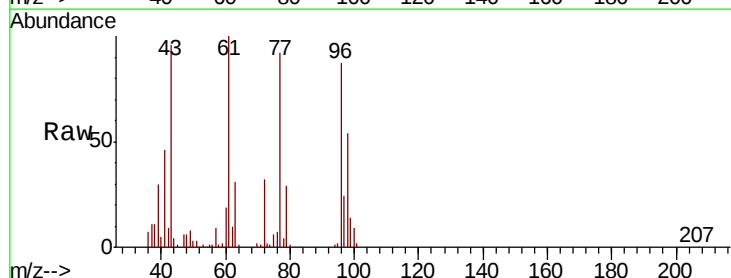
Tgt Ion: 96 Resp: 189224

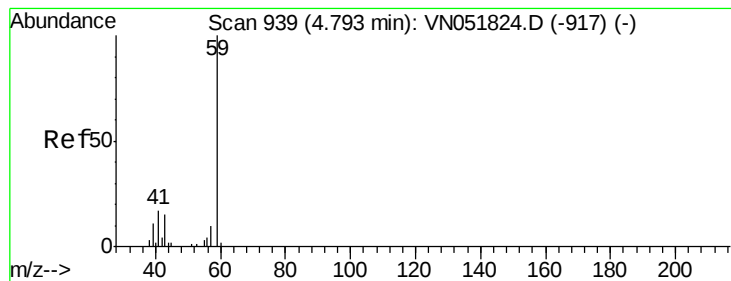
Ion Ratio Lower Upper

96 100

61 116.1 124.5 186.7#

98 64.2 51.9 77.9



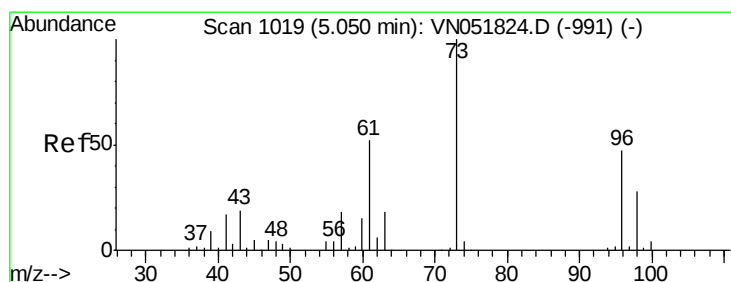
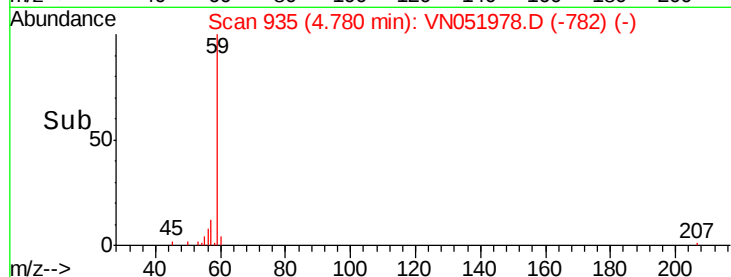
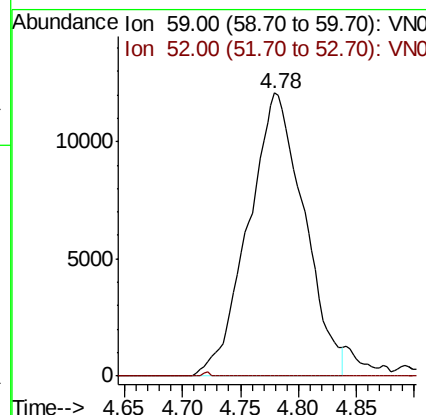
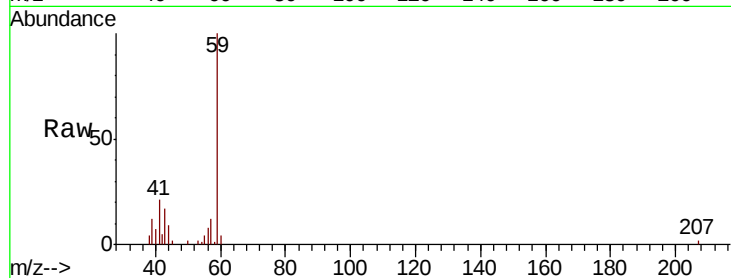


#23

tert-Butyl Alcohol
Concen: 74.067 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

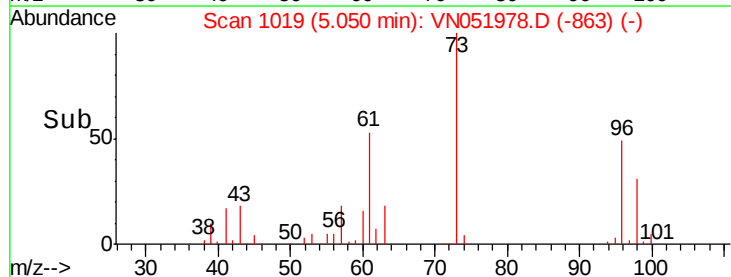
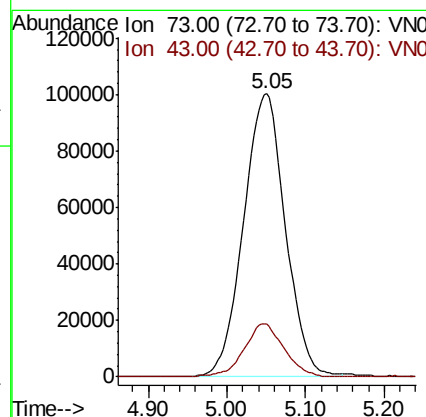
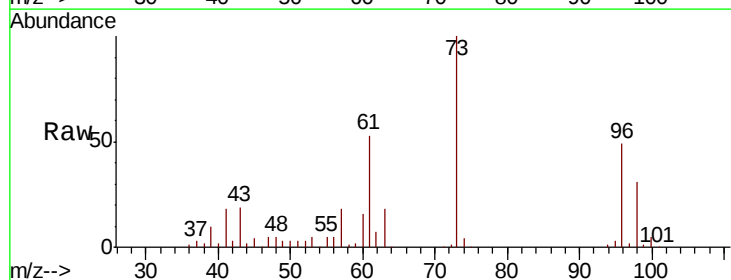
Tot Ion: 59 Resp: 40427
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

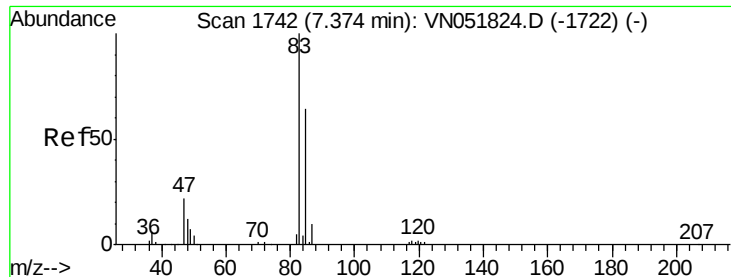


#24

Methyl tert-Butyl Ether
Concen: 17.433 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 73 Resp: 375055
Ion Ratio Lower Upper
73 100
43 17.7 5.4 8.0#

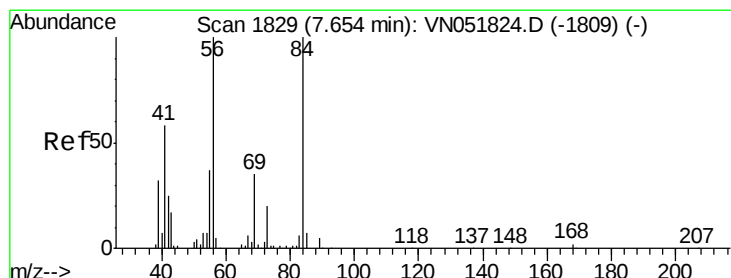
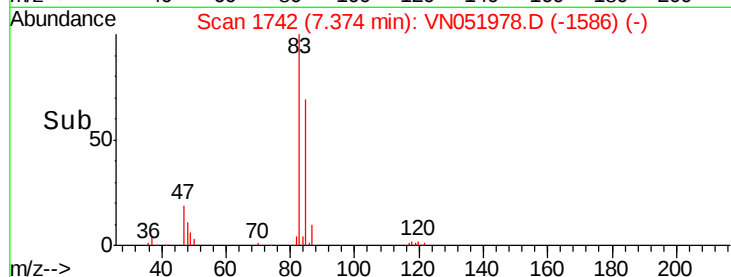
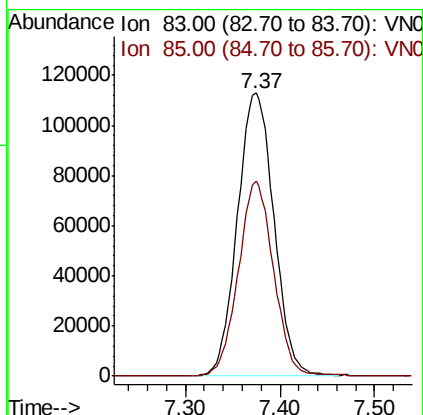
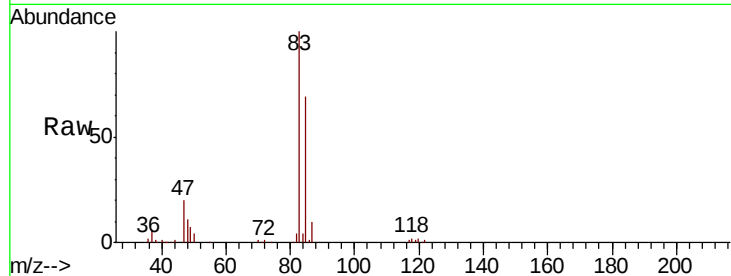




#25
Chloroform
Concen: 18.554 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

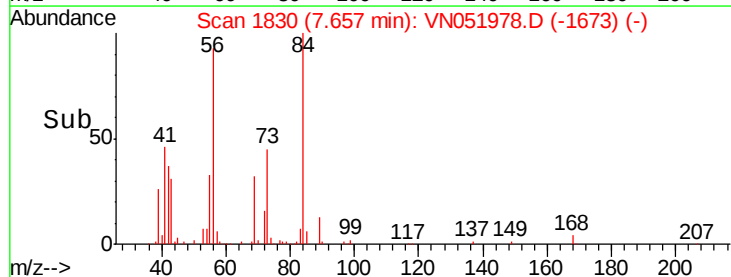
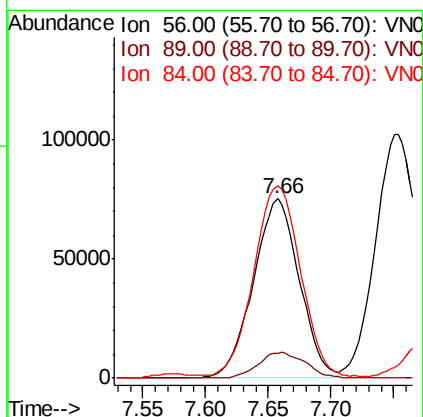
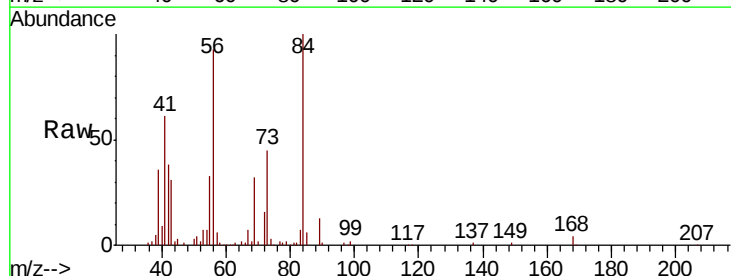
Instrument :
MSVOA_N
ClientSampleId :

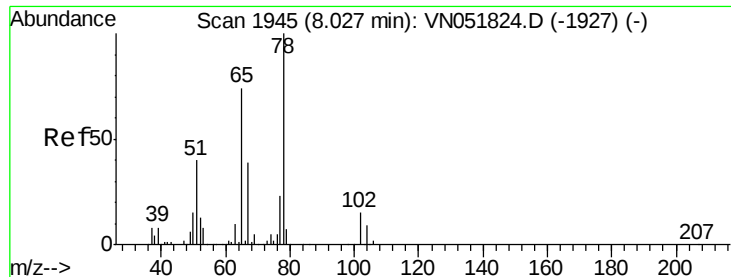
Tot Ion: 83 Resp: 303678
Ion Ratio Lower Upper
83 100
85 68.7 54.6 82.0



#26
Cyclohexane
Concen: 16.444 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 56 Resp: 192336
Ion Ratio Lower Upper
56 100
89 14.6 1.5 2.3#
84 110.1 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 16.444 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

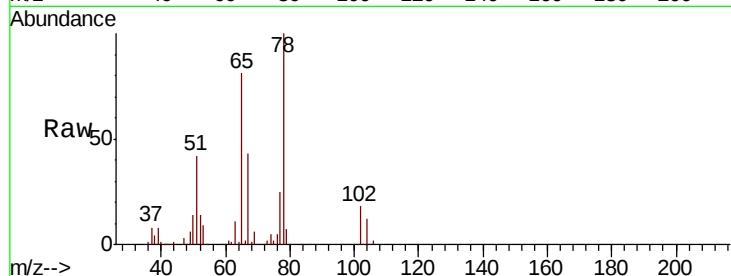
ClientSampleId :

Tot Ion: 65 Resp: 284201

Ion Ratio Lower Upper

65 100

67 52.5 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

8.03

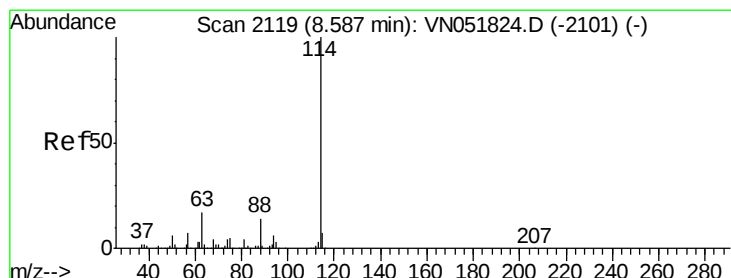
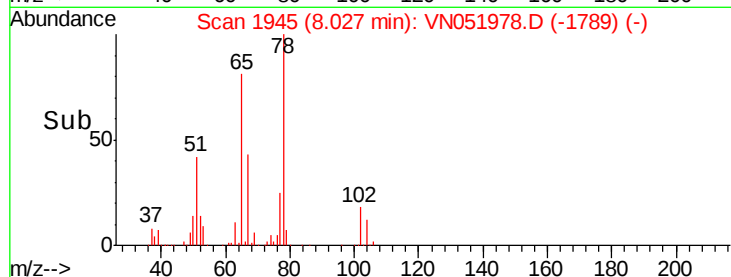
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

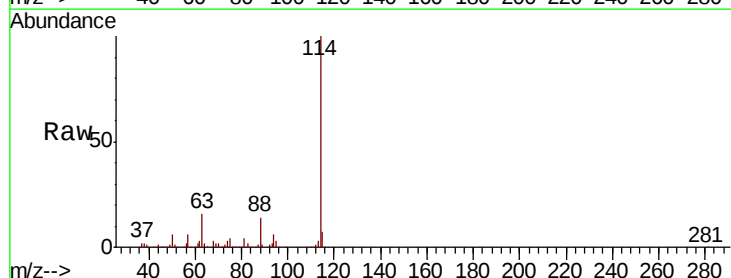
Tgt Ion: 114 Resp: 905933

Ion Ratio Lower Upper

114 100

63 15.6 16.2 24.2#

88 13.8 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

600000

500000

400000

300000

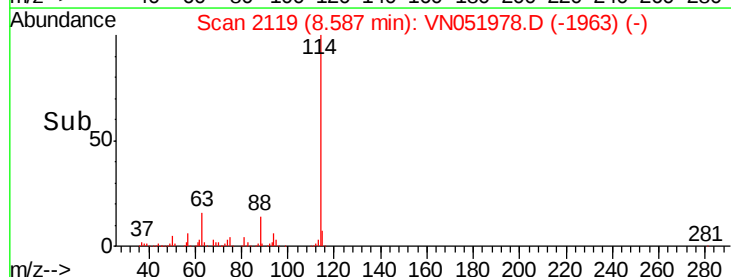
200000

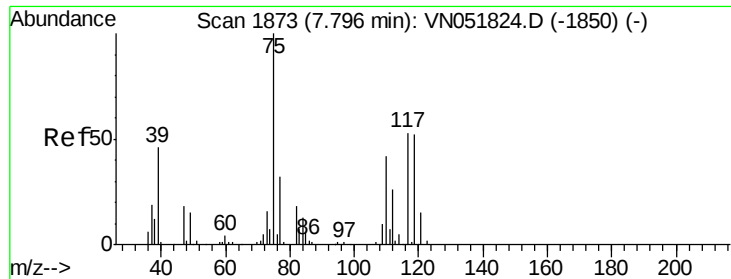
100000

0

Time-->

8.50 8.60 8.70

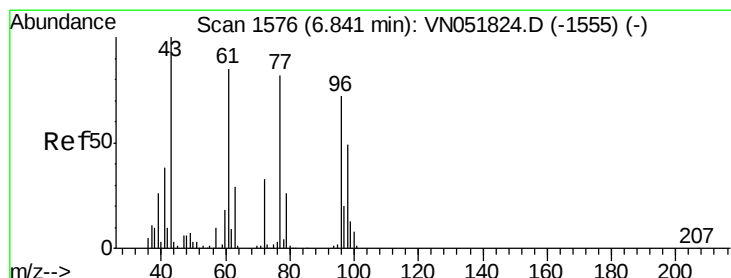
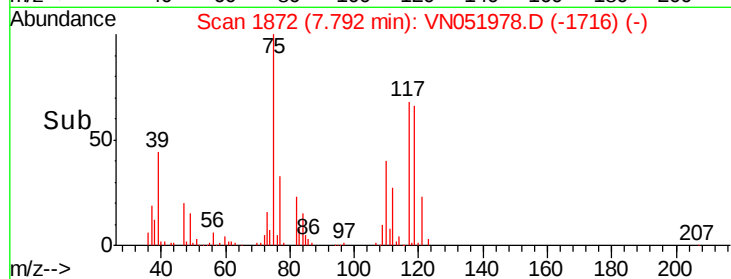
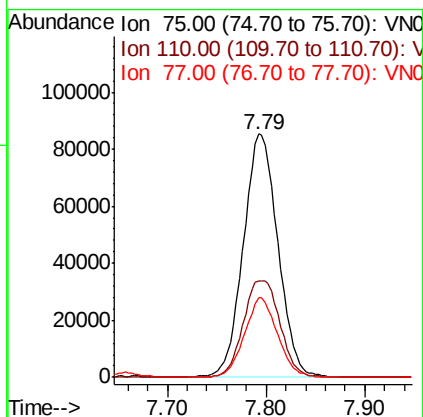
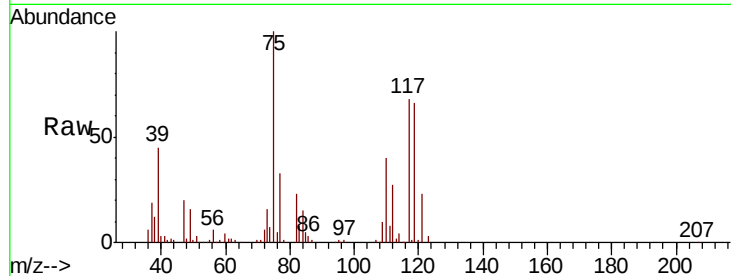




#29
 1,1-Dichloropropene
 Concen: 17.713 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

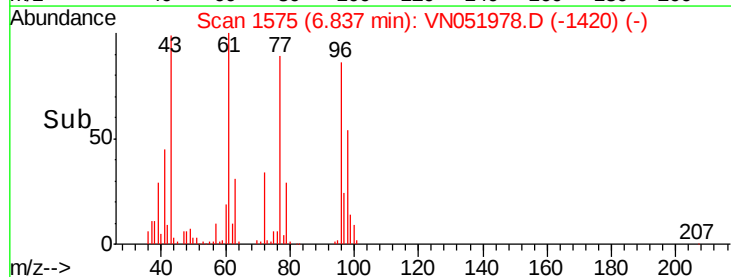
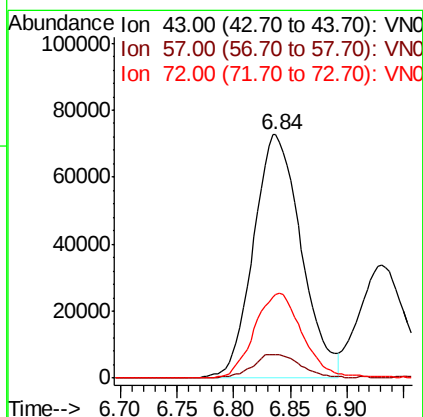
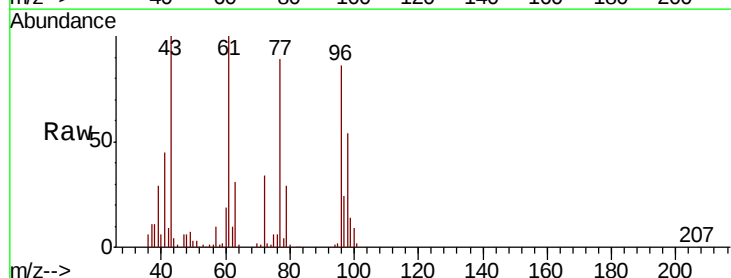
Instrument :
 MSVOA_N
 ClientSampleId :

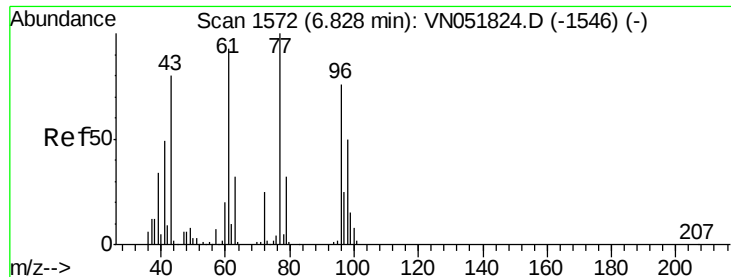
Tot Ion	Ratio	Lower	Upper
75	100		
110	42.0	0.0	70.8
77	30.7	0.0	61.6



#30
 2-Butanone
 Concen: 87.415 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.4	4.5	6.7#
72	34.9	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 16.699 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

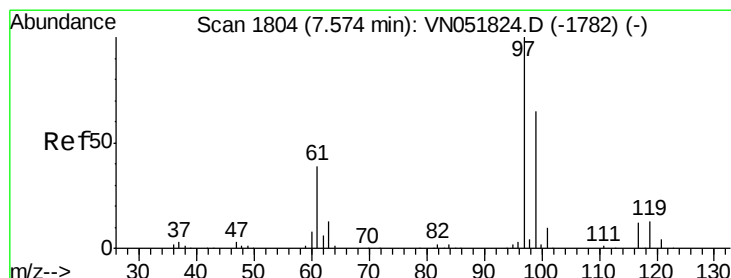
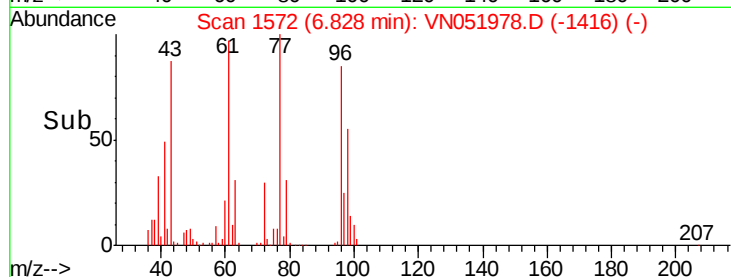
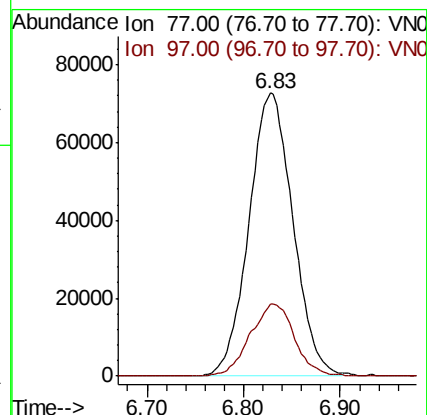
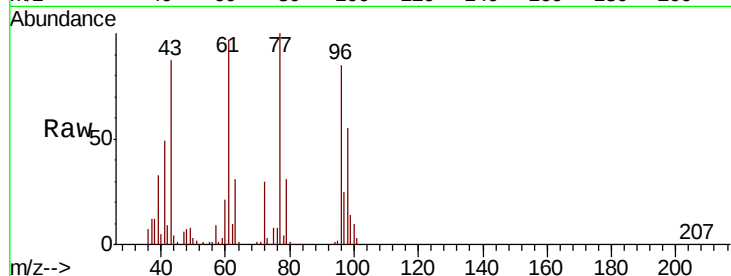
ClientSampleId :

Tot Ion: 77 Resp: 229393

Ion Ratio Lower Upper

77 100

97 25.6 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 17.811 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

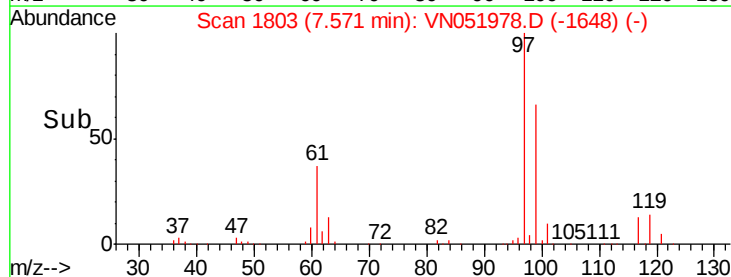
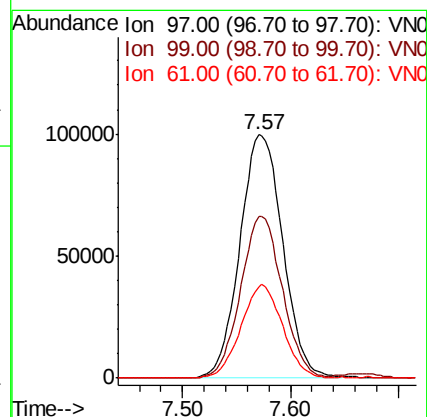
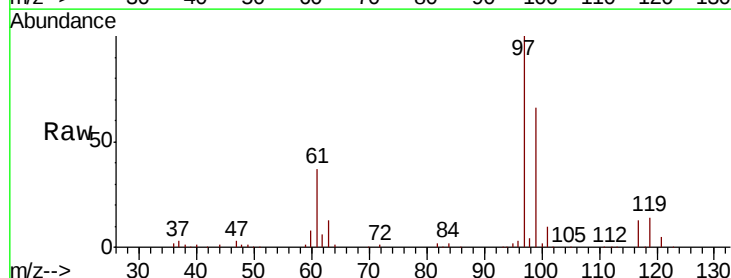
Tgt Ion: 97 Resp: 275756

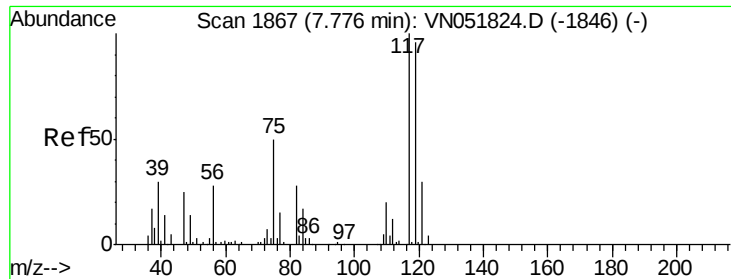
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 37.2 37.4 56.0#

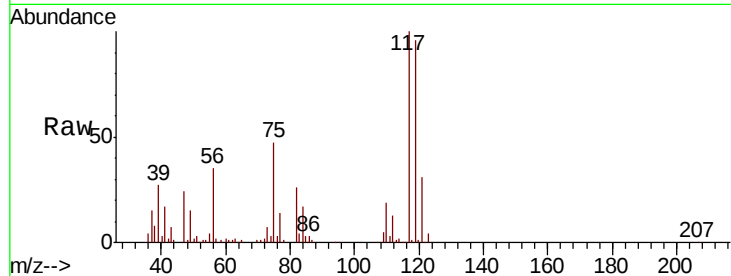




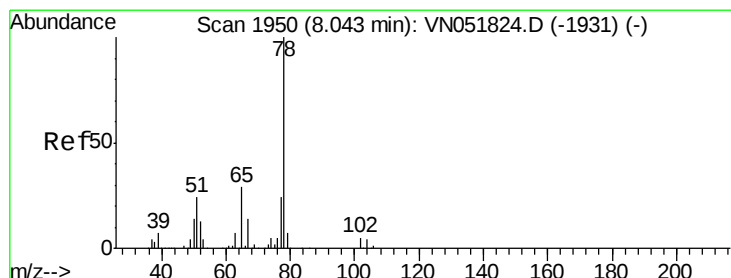
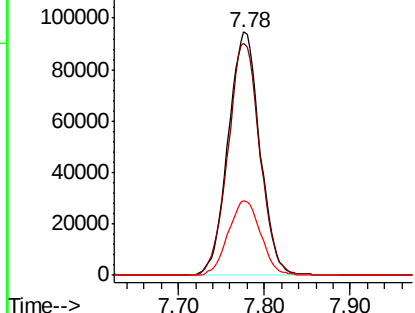
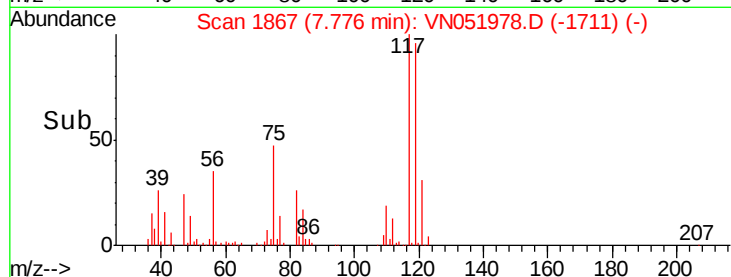
#33
Carbon Tetrachloride
Concen: 17.305 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 242398
Ion Ratio Lower Upper
117 100
119 95.5 85.1 127.7
121 30.8 24.2 36.2

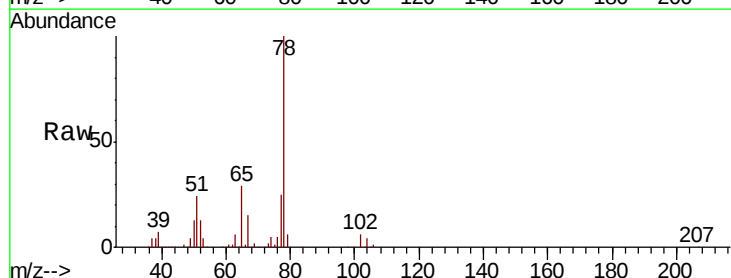


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

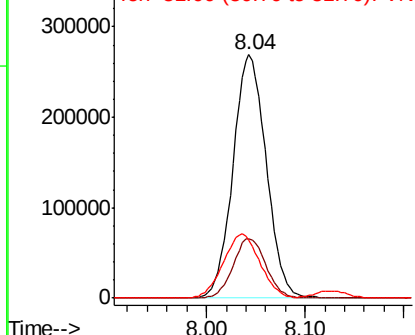
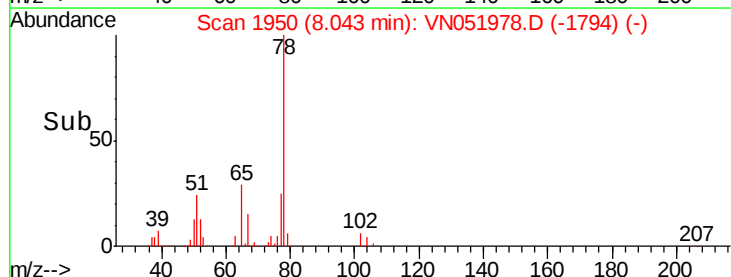


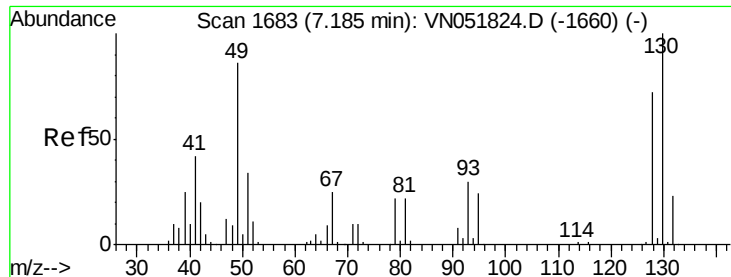
#34
Benzene
Concen: 18.274 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 78 Resp: 631233
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2
51 23.6 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

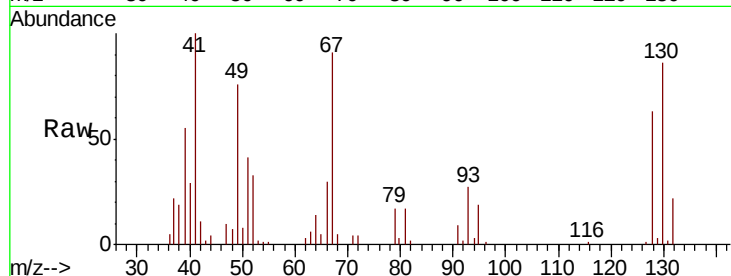




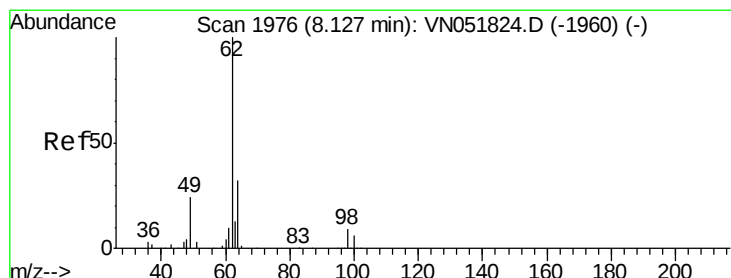
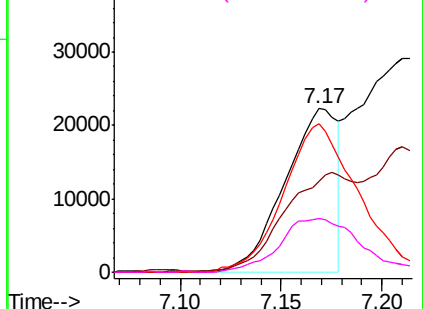
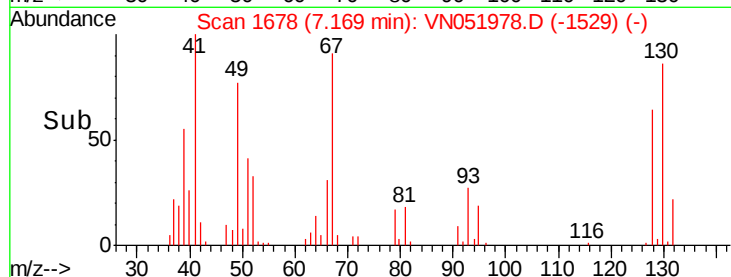
#35
Methacrylonitrile
Concen: 12.584 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 40352
Ion Ratio Lower Upper
41 100
39 54.4 22.6 67.7
67 90.7 28.9 86.8#
52 32.1 11.3 33.9

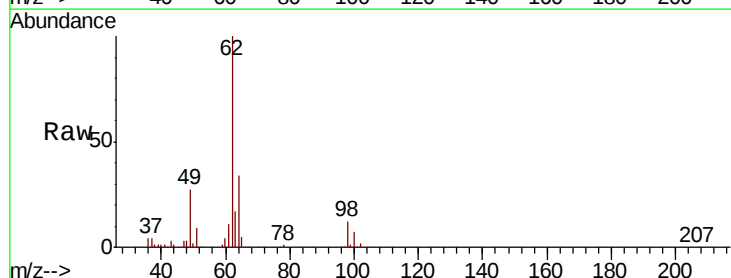


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

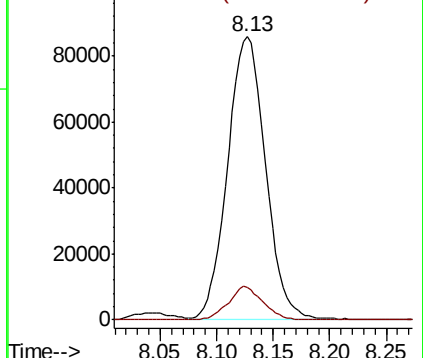
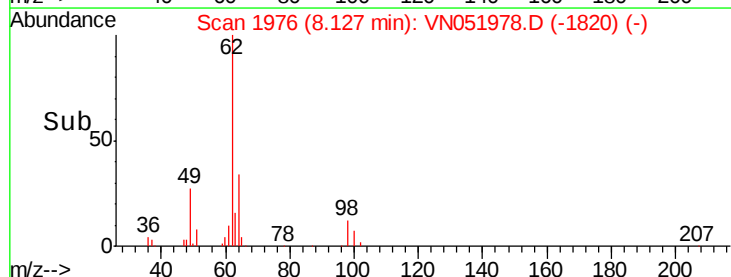


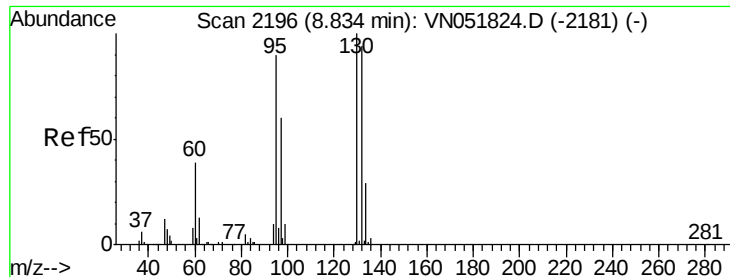
#36
1,2-Dichloroethane
Concen: 18.212 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 62 Resp: 201570
Ion Ratio Lower Upper
62 100
98 10.7 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 18.793 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

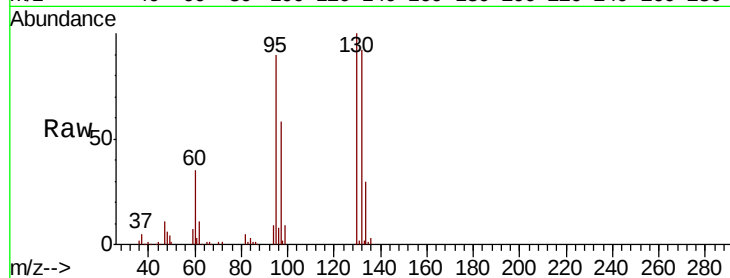
ClientSampleId :

Tot Ion:130 Resp: 201508

Ion Ratio Lower Upper

130 100

95 90.1 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

100000

80000

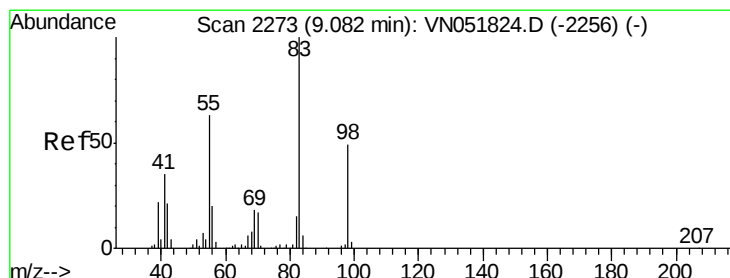
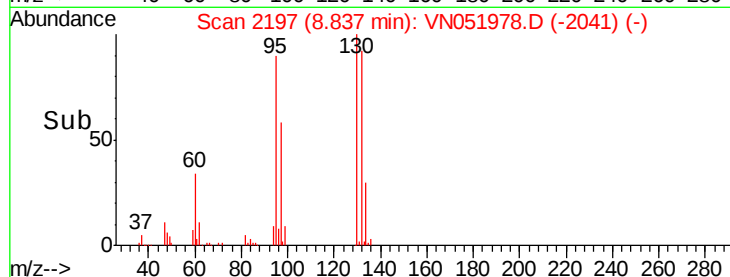
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 16.871 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.01 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

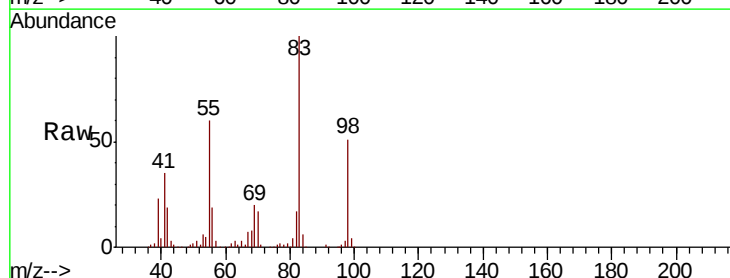
Tgt Ion: 83 Resp: 252681

Ion Ratio Lower Upper

83 100

55 60.1 43.0 129.2

98 50.5 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

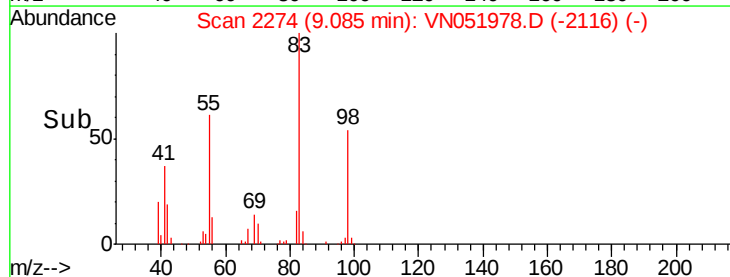
150000

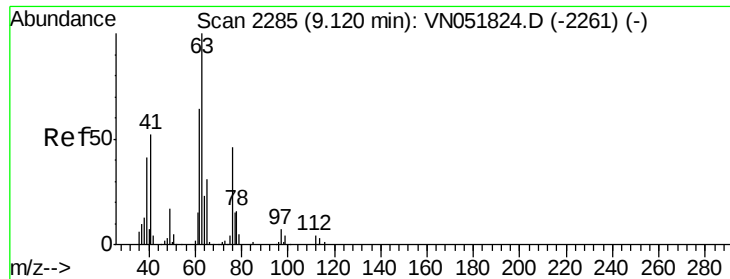
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 17.868 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

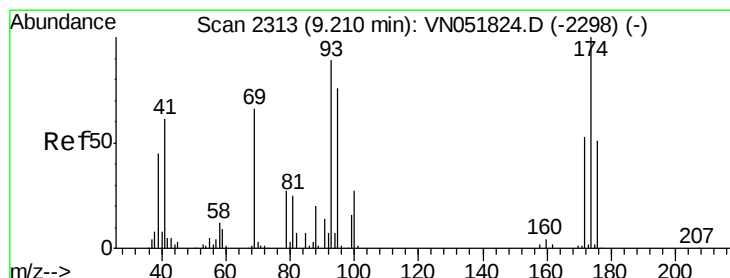
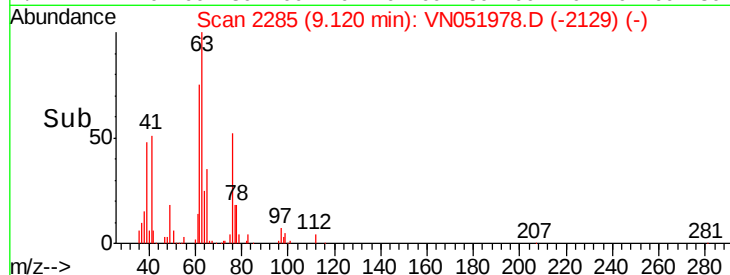
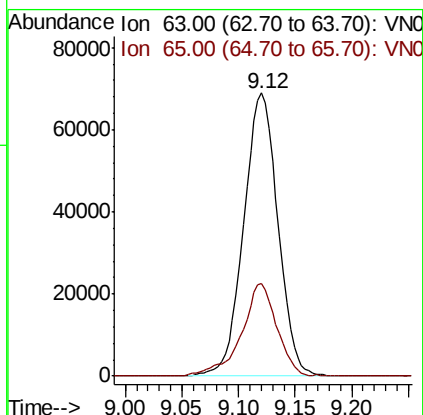
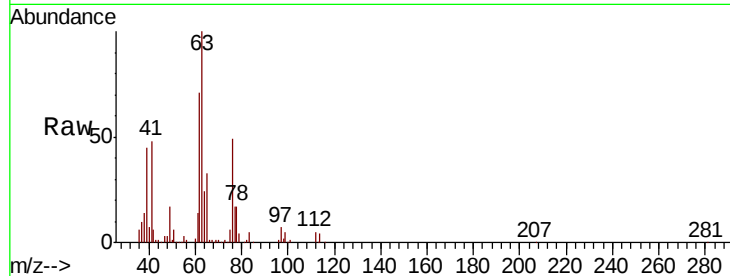
ClientSampleId :

Tot Ion: 63 Resp: 145352

Ion Ratio Lower Upper

63 100

65 32.6 23.2 34.8



#40

Dibromomethane

Concen: 19.254 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

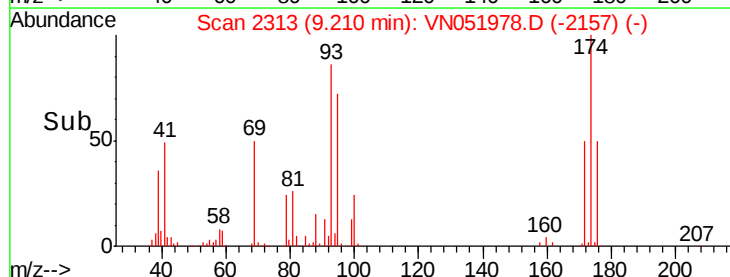
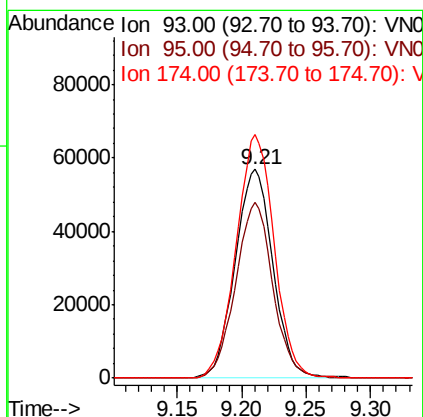
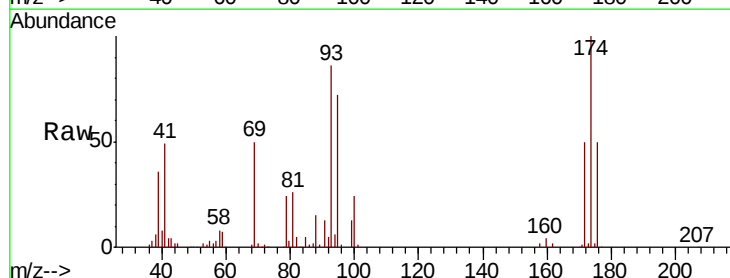
Tgt Ion: 93 Resp: 116245

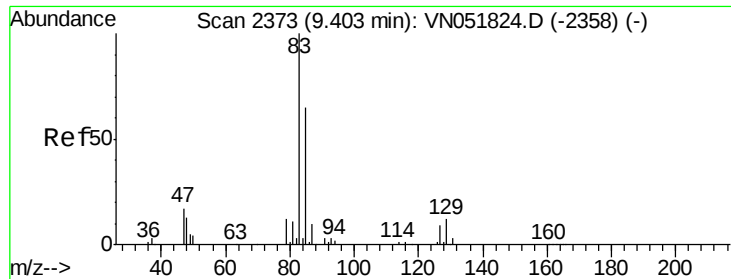
Ion Ratio Lower Upper

93 100

95 82.4 0.0 162.0

174 117.1 0.0 214.0





#41

Bromodichloromethane

Concen: 17.007 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

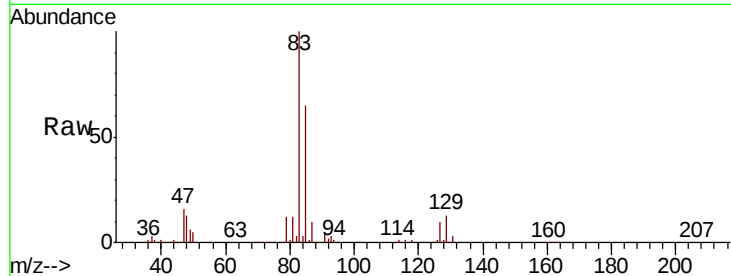
Tot Ion: 83 Resp: 212080

Ion Ratio Lower Upper

83 100

85 65.4 55.7 83.5

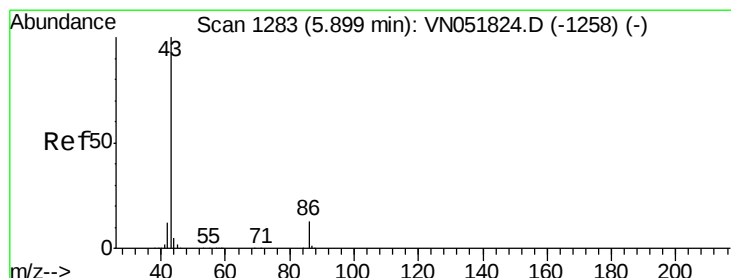
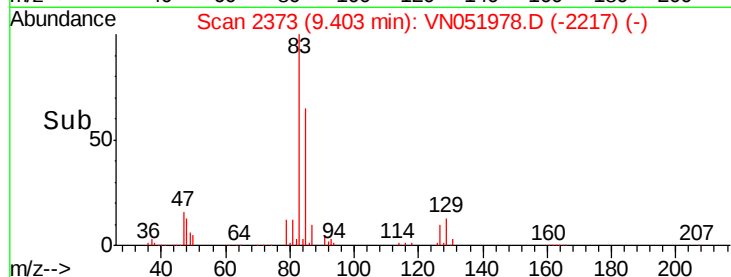
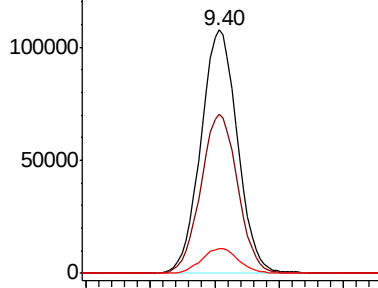
127 10.1 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)



#42

Vinyl Acetate

Concen: 82.898 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051978.D

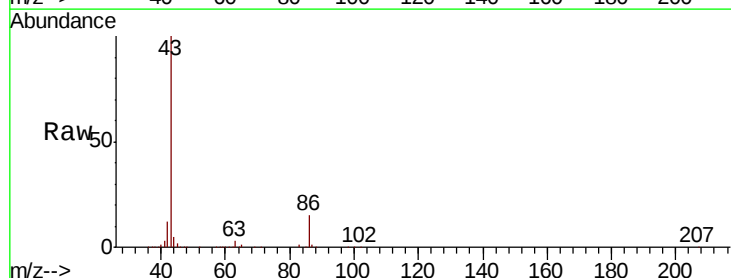
Acq: 24 Oct 2018 10:38

Tgt Ion: 43 Resp: 1138998

Ion Ratio Lower Upper

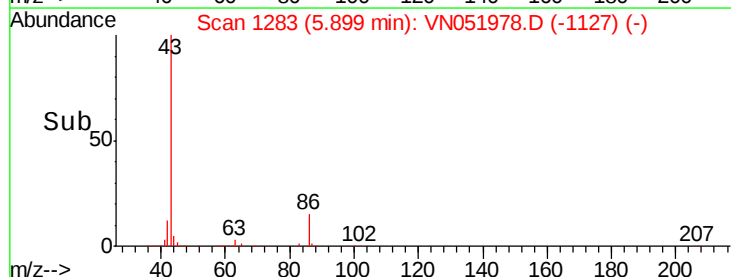
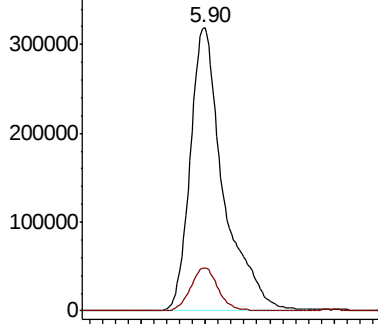
43 100

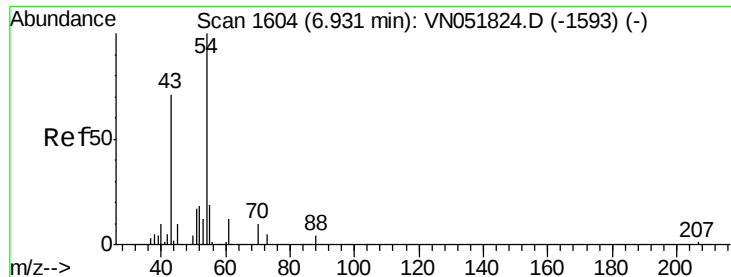
86 12.6 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN051824.D (-1258) (-)

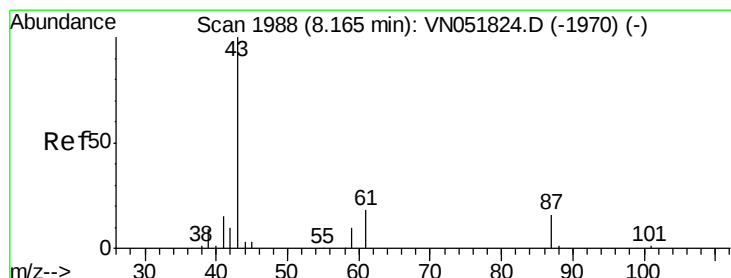
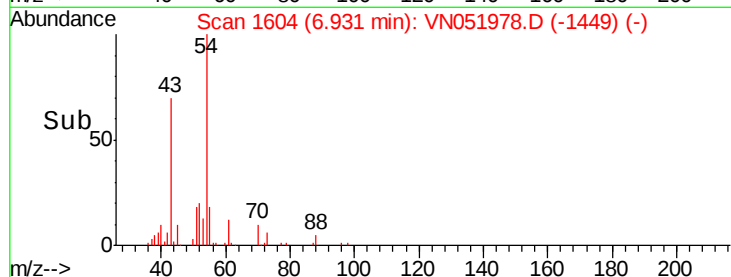
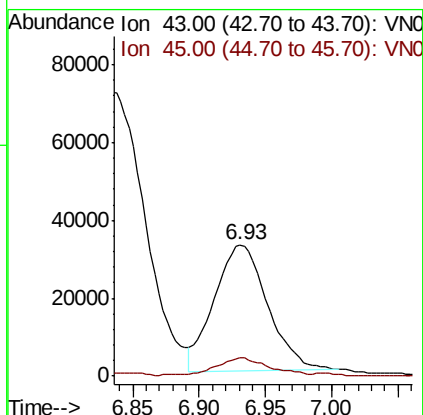
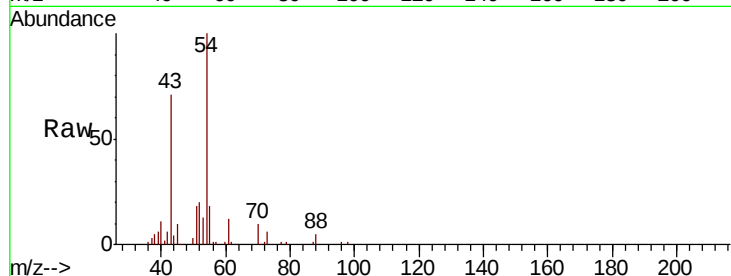




#43
Ethyl Acetate
Concen: 17.125 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

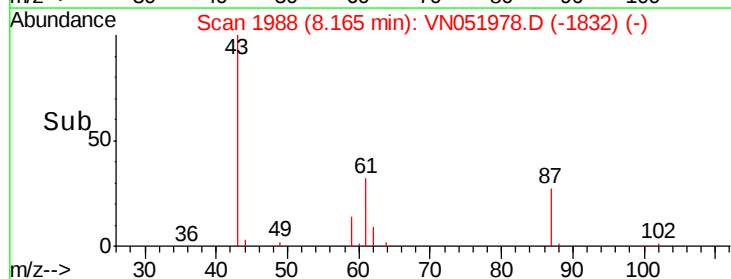
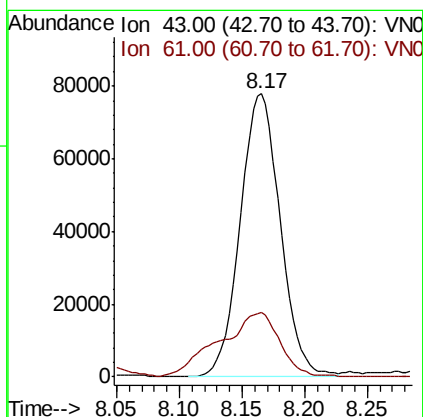
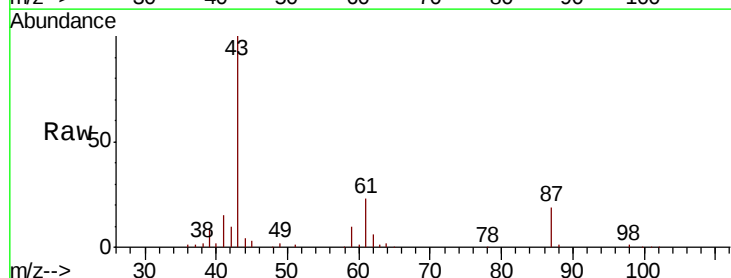
Instrument :
MSVOA_N
ClientSampled :

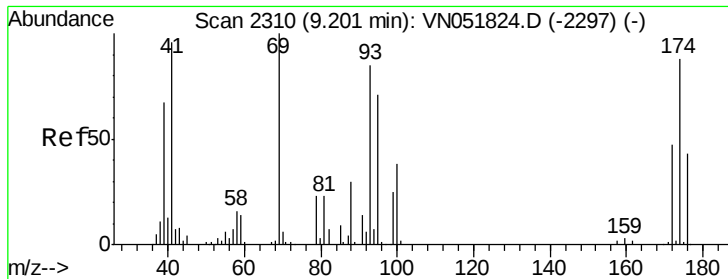
Tot Ion: 43 Resp: 90760
Ion Ratio Lower Upper
43 100
45 12.8 11.0 16.6



#44
Isopropyl Acetate
Concen: 16.358 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 43 Resp: 173163
Ion Ratio Lower Upper
43 100
61 21.6 15.9 23.9





#45

1,4-Dioxane

Concen: 310.395 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

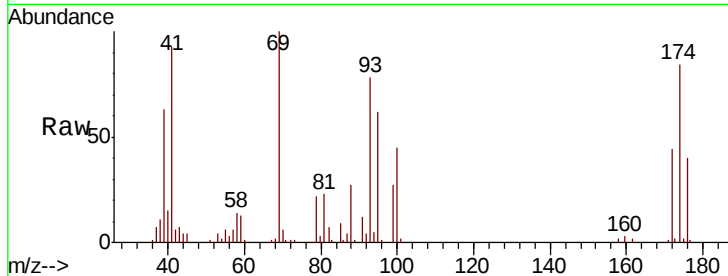
Tot Ion: 88 Resp: 26383

Ion Ratio Lower Upper

88 100

43 27.1 26.2 39.2

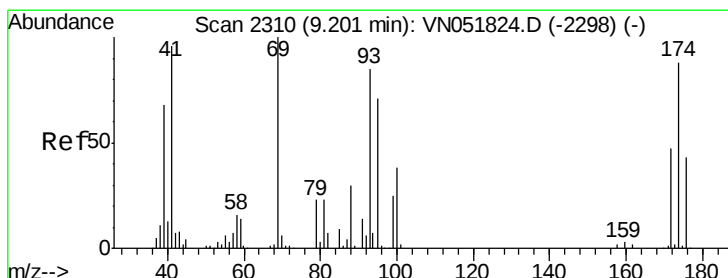
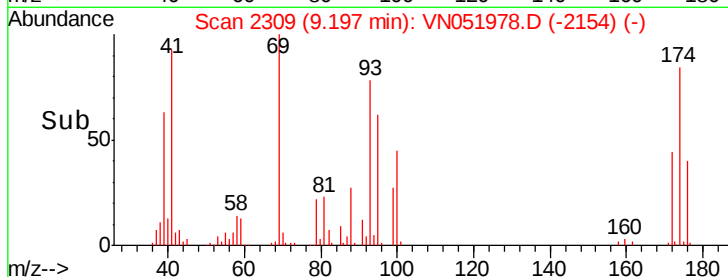
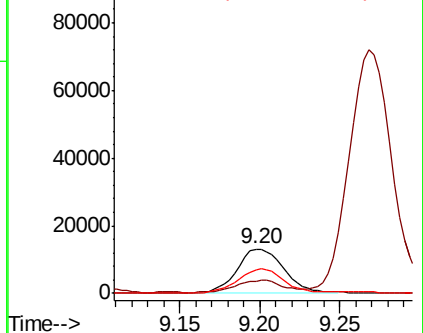
58 54.4 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN051824.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN051824.D (-2297) (-)



#46

Methyl methacrylate

Concen: 17.213 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

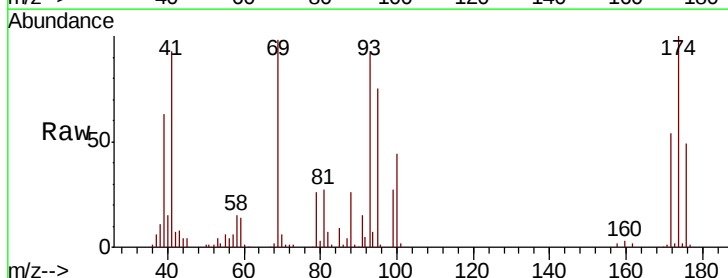
Tgt Ion: 41 Resp: 84044

Ion Ratio Lower Upper

41 100

69 106.7 40.7 122.1

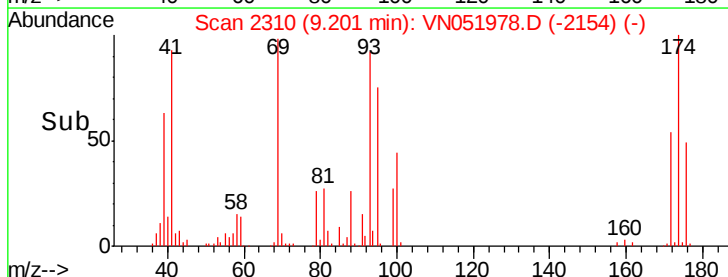
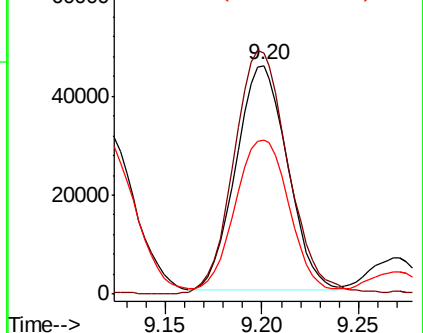
39 66.5 27.3 81.9

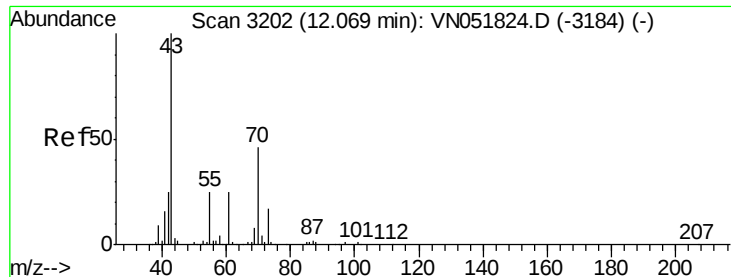


Abundance Ion 41.00 (40.70 to 41.70): VN051824.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051824.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051824.D (-2298) (-)

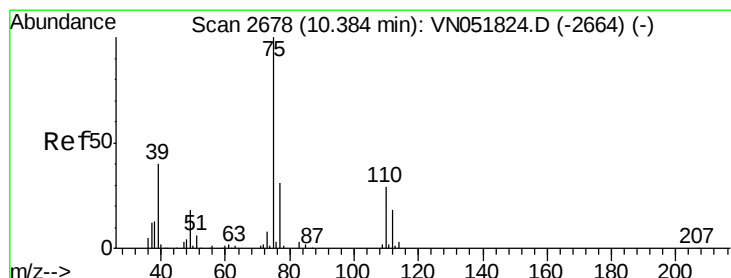
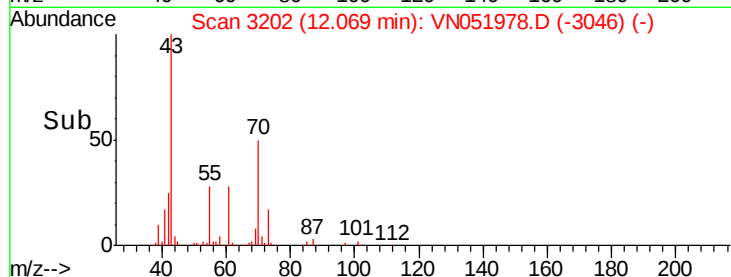
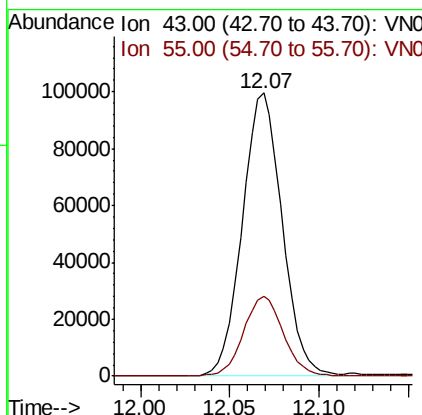
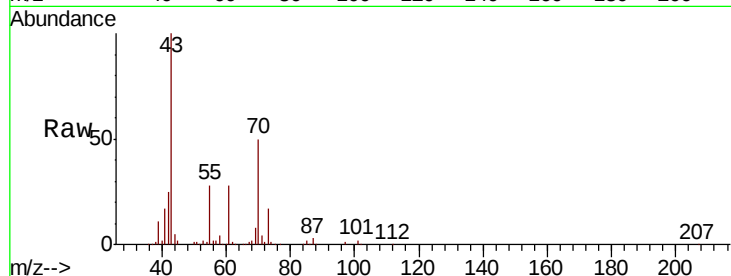




#47
n-amyl Acetate
Concen: 17.441 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

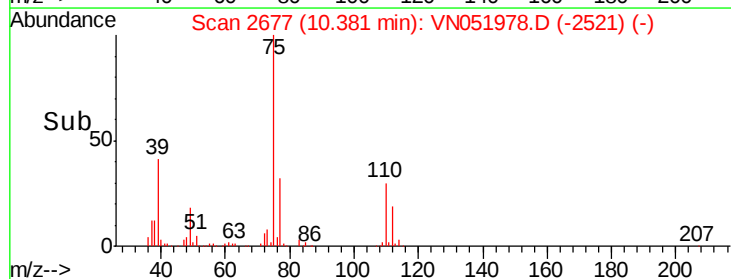
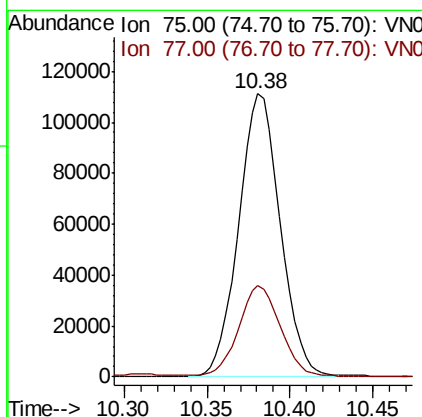
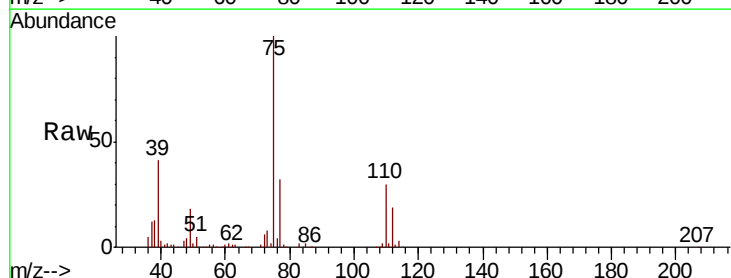
Instrument :
MSVOA_N
ClientSampled :

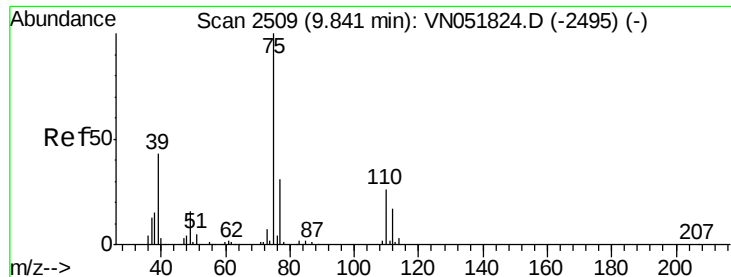
Tot Ion: 43 Resp: 154555
Ion Ratio Lower Upper
43 100
55 28.5 12.2 18.4#



#48
t-1,3-Dichloropropene
Concen: 16.000 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 75 Resp: 194572
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0



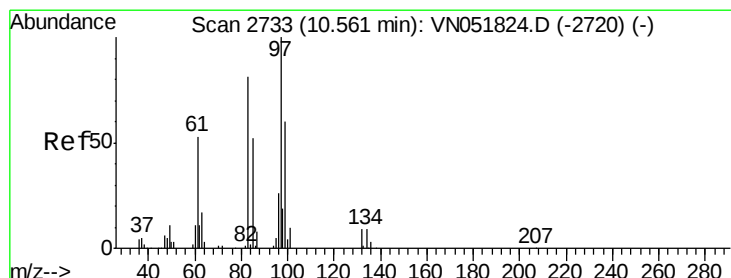
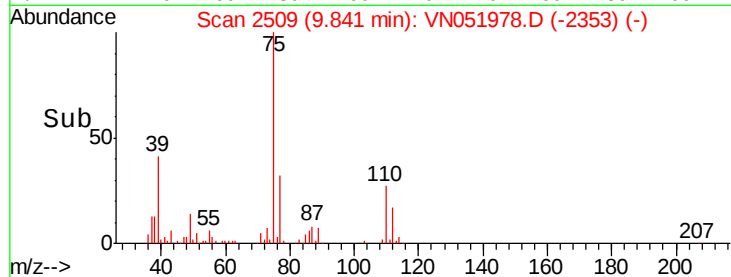
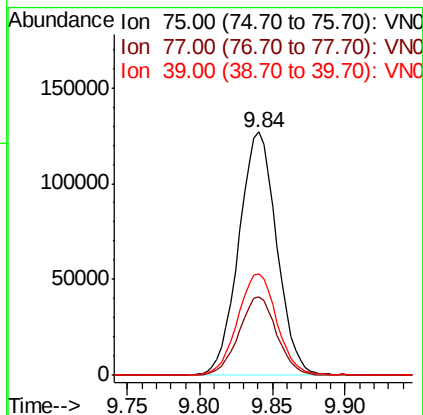
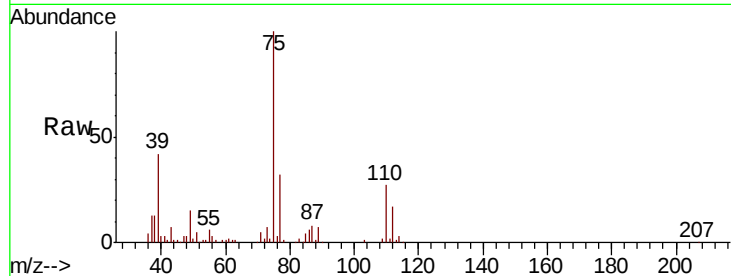


#49

cis-1,3-Dichloropropene
 Concen: 17.250 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :

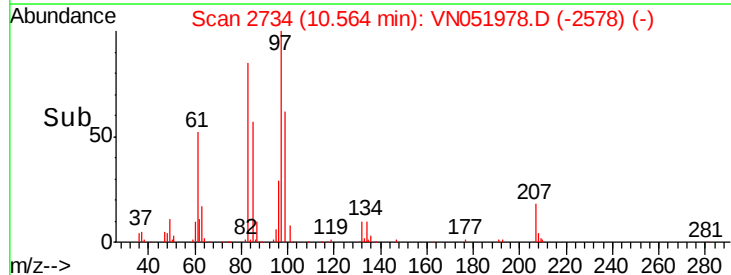
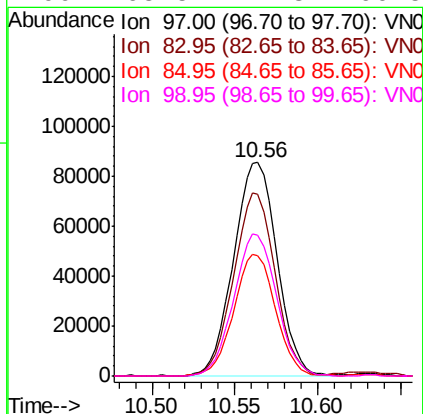
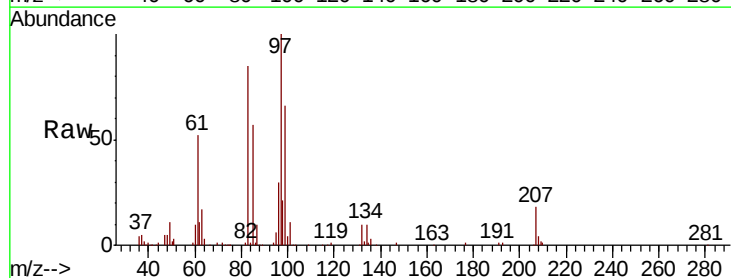
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	23.2	34.8
39	41.4	34.6	52.0

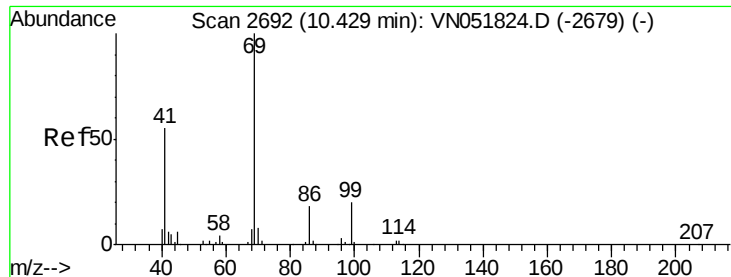


#50

1,1,2-Trichloroethane
 Concen: 18.704 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.2	102.4
85	56.3	42.5	63.7
99	65.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 17.544 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

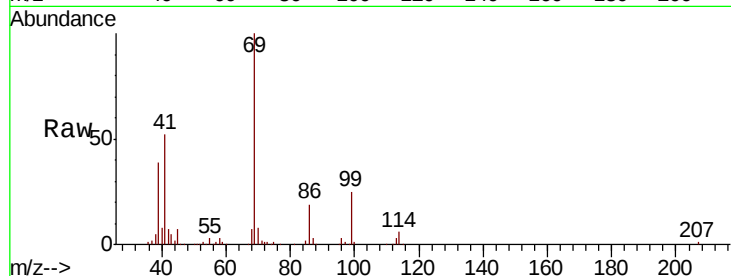
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 69 Resp: 167547

Ion	Ratio	Lower	Upper
69	100		
41	51.9	34.4	103.1
39	37.9	16.3	48.8

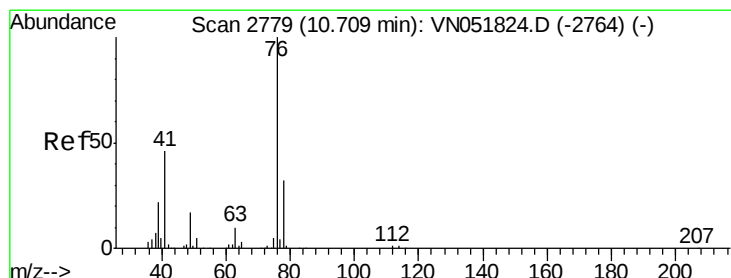
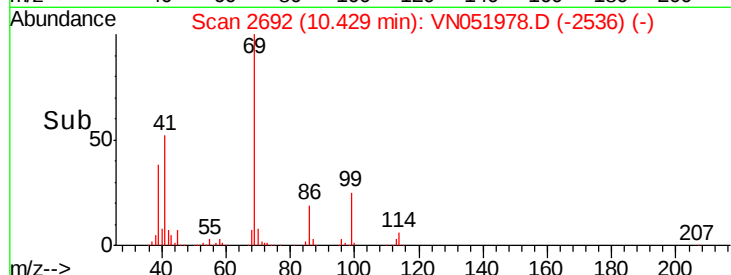
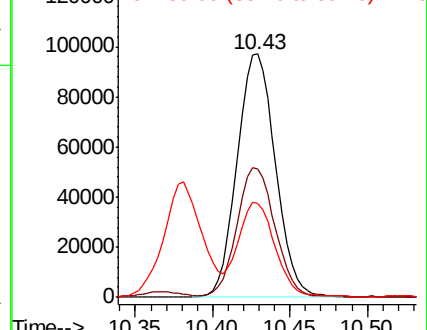


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.249 ug/l

RT: 10.71 min Scan# 2778

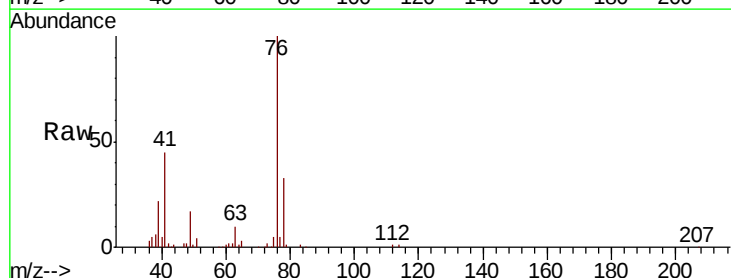
Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion: 76 Resp: 234949

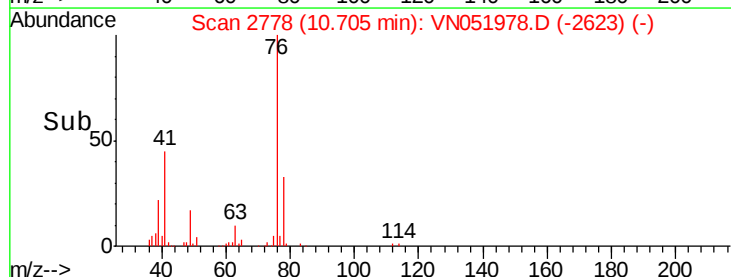
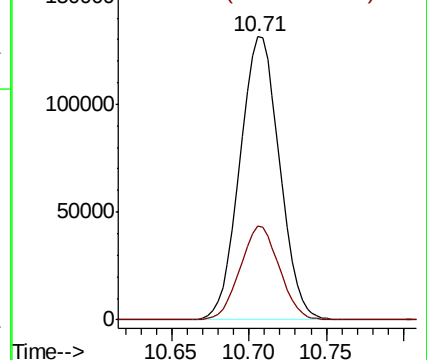
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	67.6

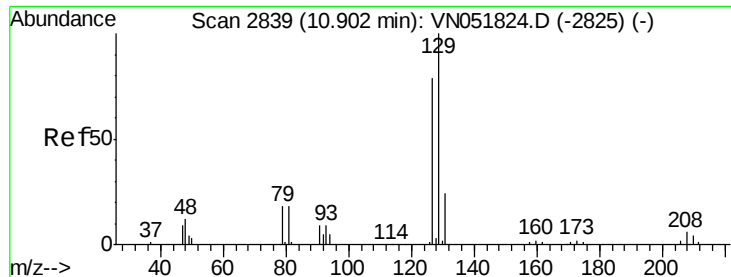


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

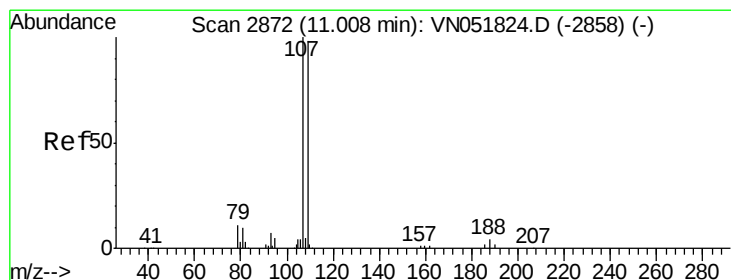
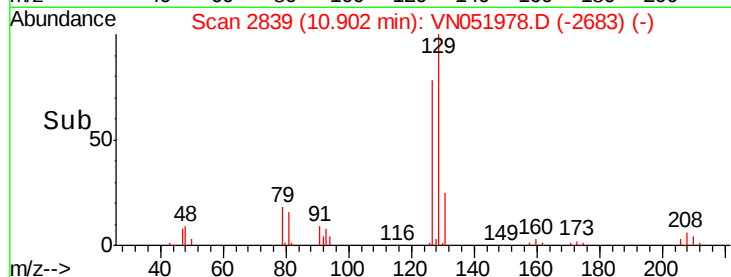
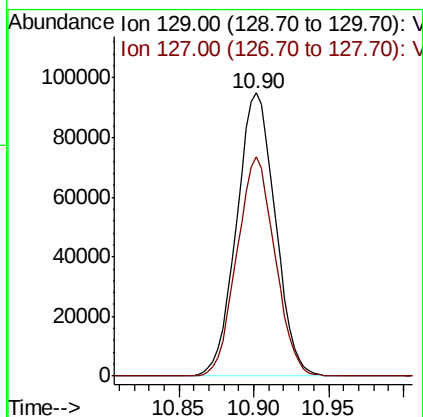
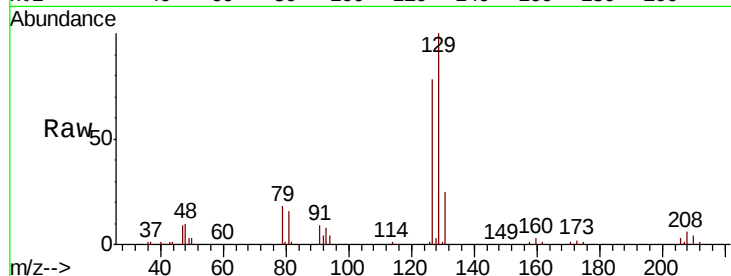




#53
 Dibromochloromethane
 Concen: 16.567 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

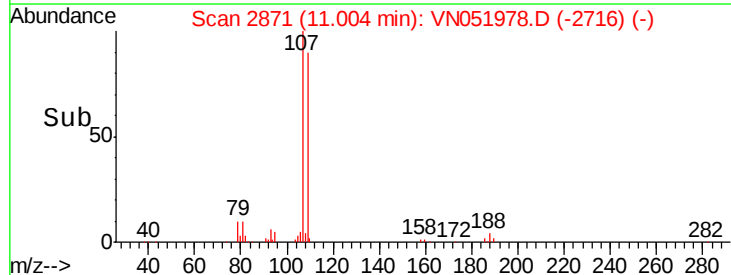
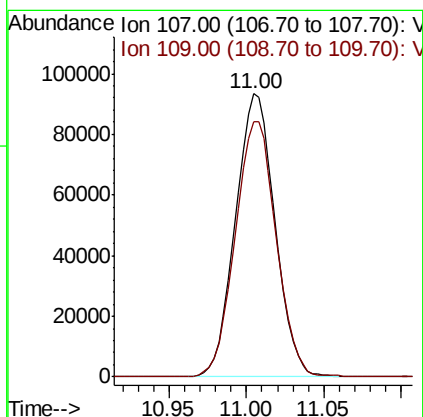
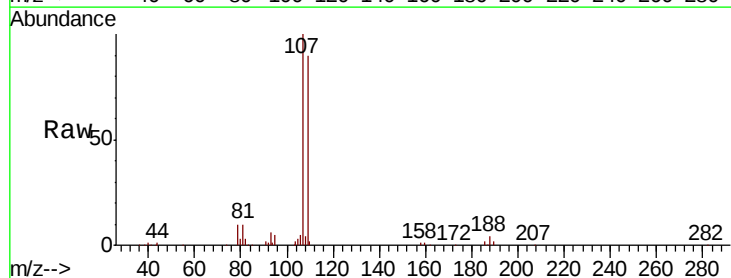
Instrument :
 MSVOA_N
 ClientSampled :

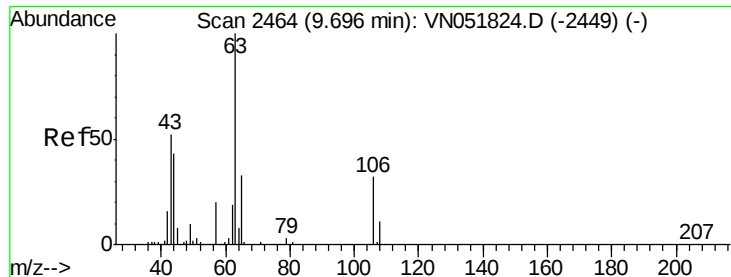
Tot Ion:129 Resp: 170963
 Ion Ratio Lower Upper
 129 100
 127 76.2 40.2 120.5



#54
 1,2-Dibromoethane
 Concen: 18.921 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion:107 Resp: 165667
 Ion Ratio Lower Upper
 107 100
 109 93.4 77.4 116.0

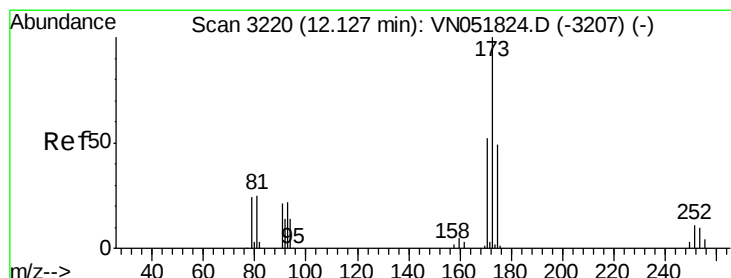
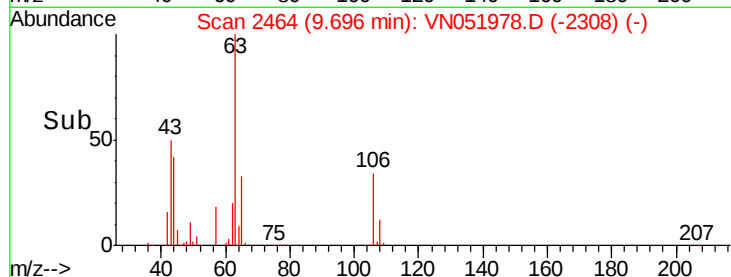
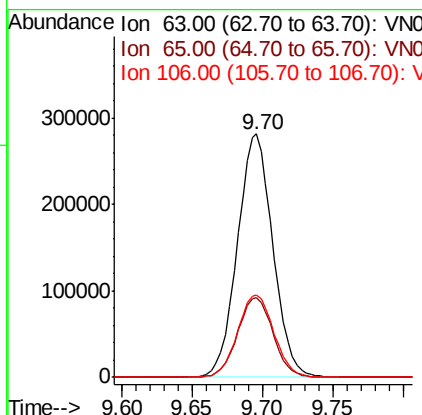
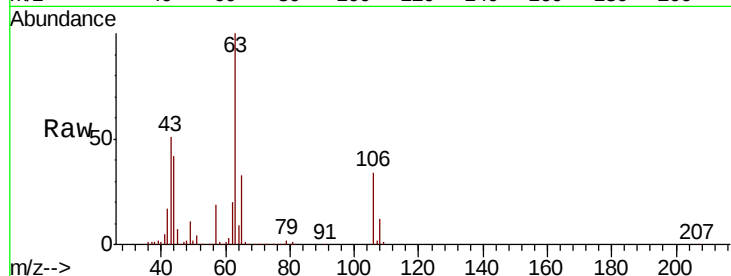




#55
 2-Chloroethyl vinyl ether
 Concen: 121.364 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

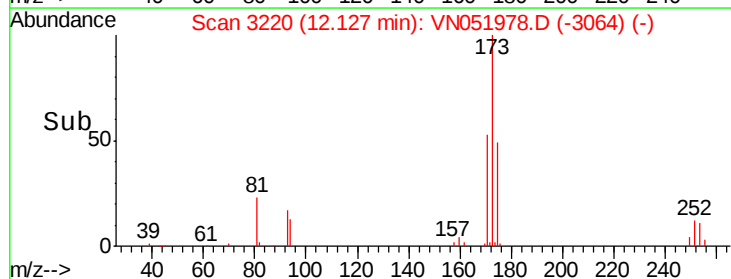
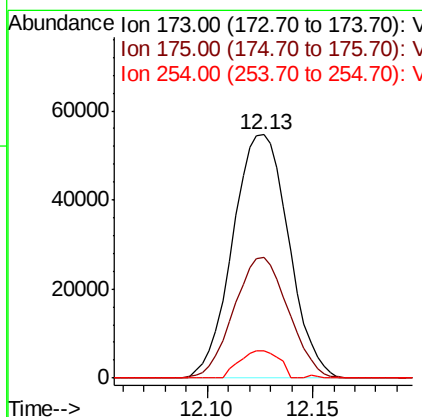
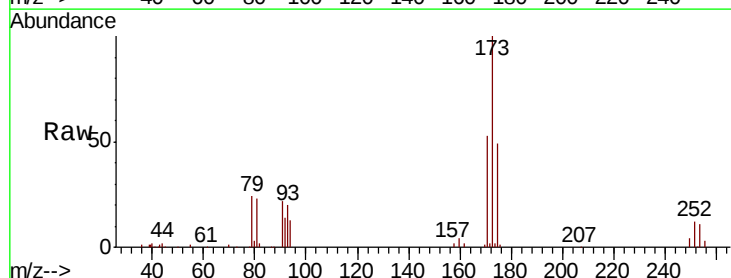
Instrument :
 MSVOA_N
 ClientSampled :

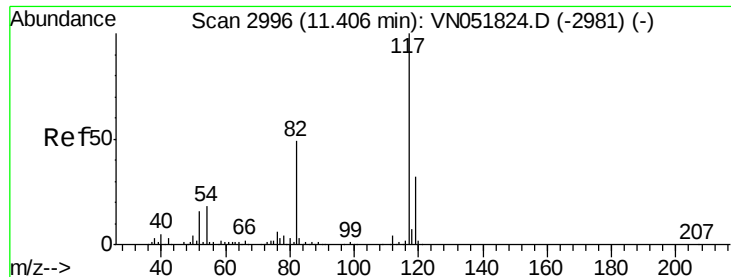
Tot Ion: 63 Resp: 495487
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.4 38.0
 106 35.0 21.2 31.8#



#56
 Bromoform
 Concen: 14.825 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion: 173 Resp: 100898
 Ion Ratio Lower Upper
 173 100
 175 48.3 35.8 53.8
 254 8.0 8.6 13.0#

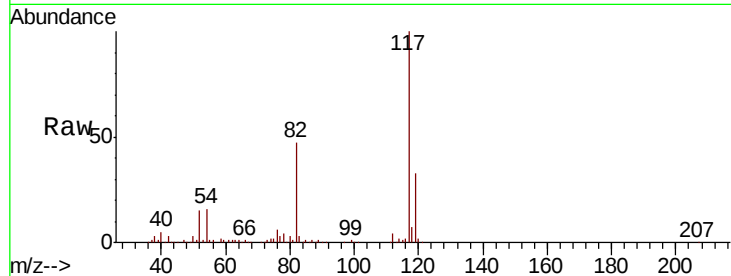




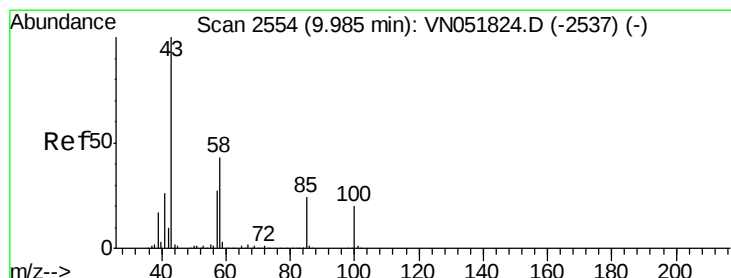
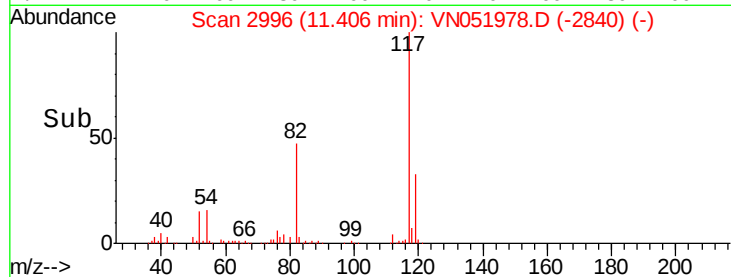
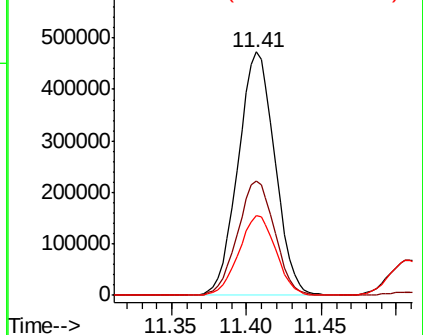
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.3	44.1	66.1
119	32.9	25.8	38.8

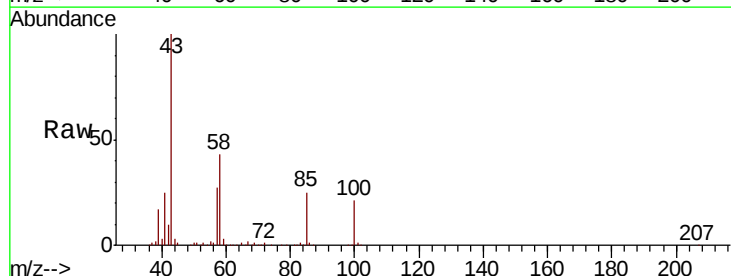


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

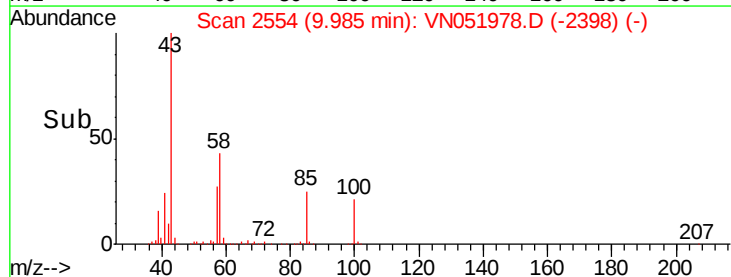
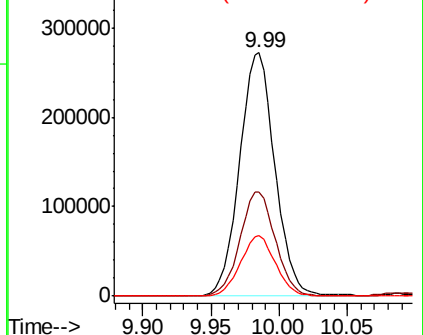


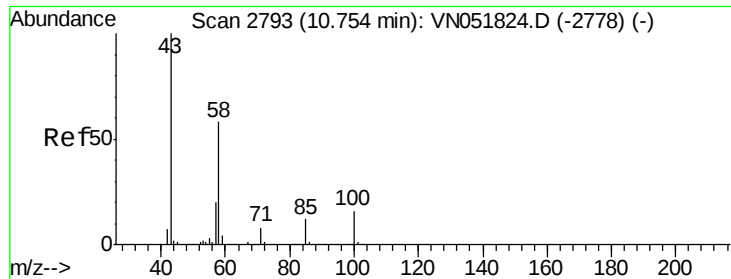
#58
4-Methyl-2-Pentanone
Concen: 89.772 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.0	29.3	43.9
85	24.8	12.6	18.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

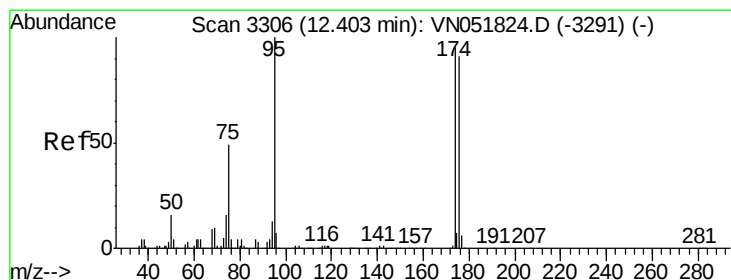
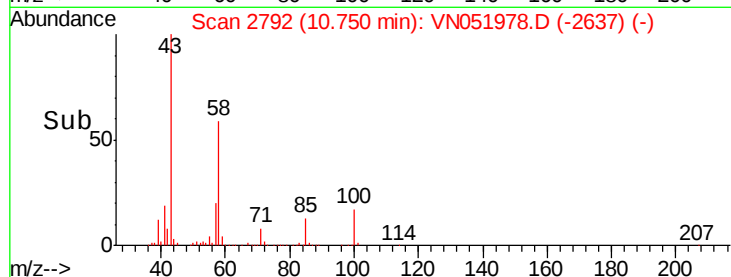
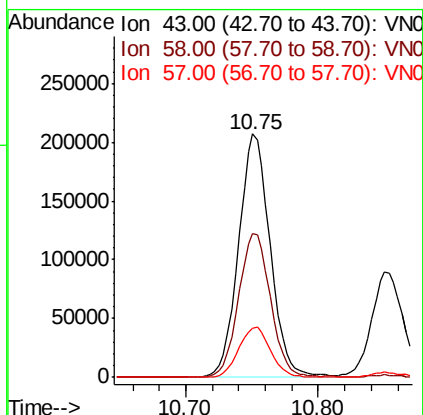
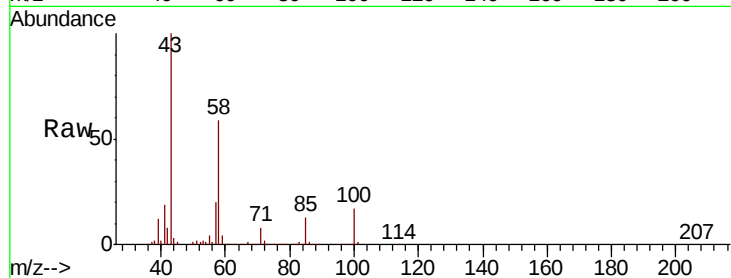




#59
2-Hexanone
Concen: 93.424 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

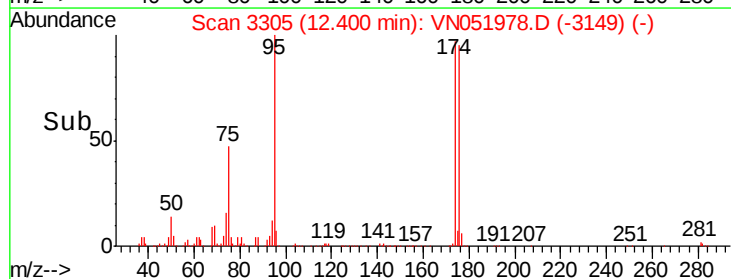
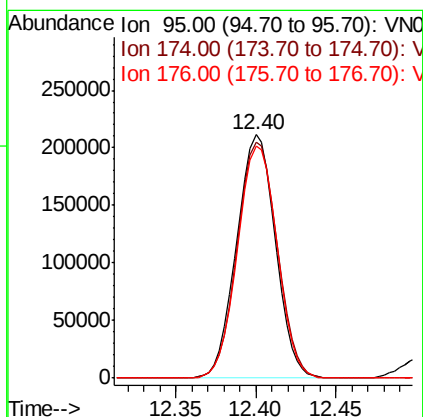
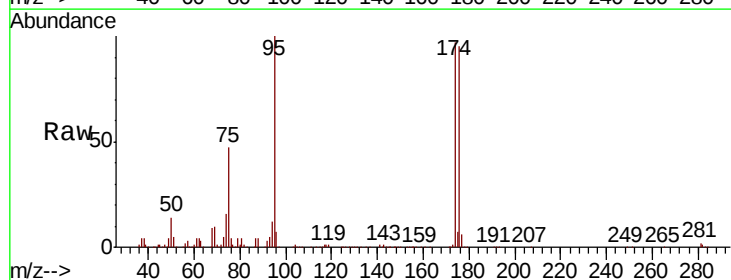
Instrument :
MSVOA_N
ClientSampleId :

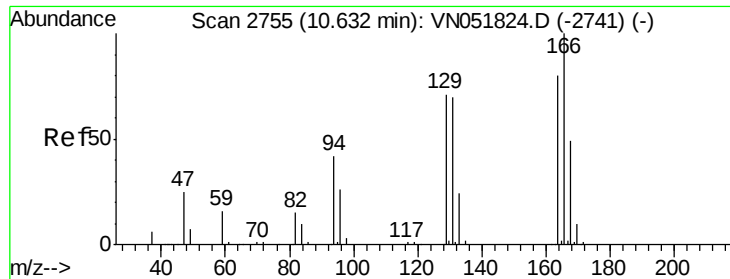
Tot Ion: 43 Resp: 341676
Ion Ratio Lower Upper
43 100
58 59.8 41.3 61.9
57 20.8 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 93.424 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 95 Resp: 348322
Ion Ratio Lower Upper
95 100
174 100.1 73.5 110.3
176 97.6 70.2 105.2





#61

Tetrachloroethene

Concen: 18.260 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 189174

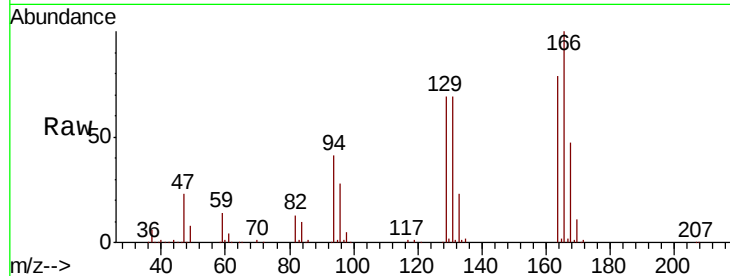
Ion Ratio Lower Upper

164 100

166 126.9 98.7 148.1

129 87.7 69.6 104.4

131 87.1 72.4 108.6

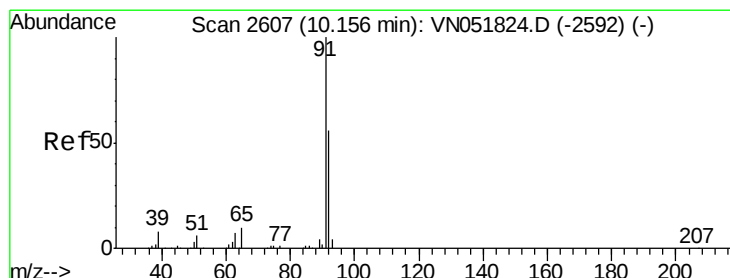
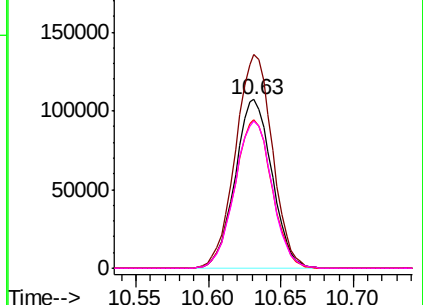
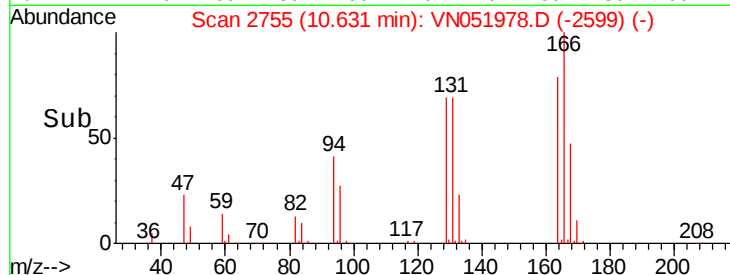


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.708 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051978.D

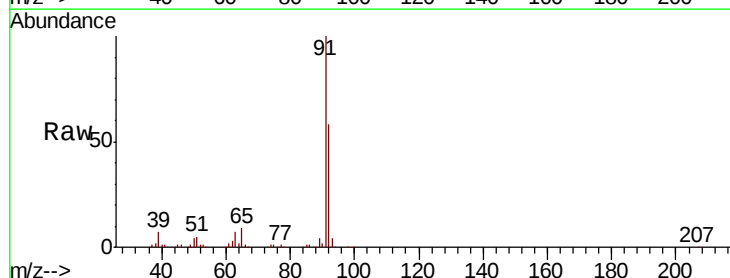
Acq: 24 Oct 2018 10:38

Tgt Ion: 91 Resp: 752894

Ion Ratio Lower Upper

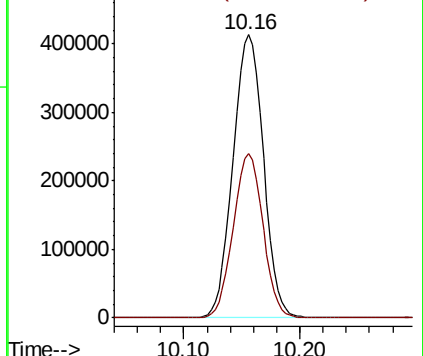
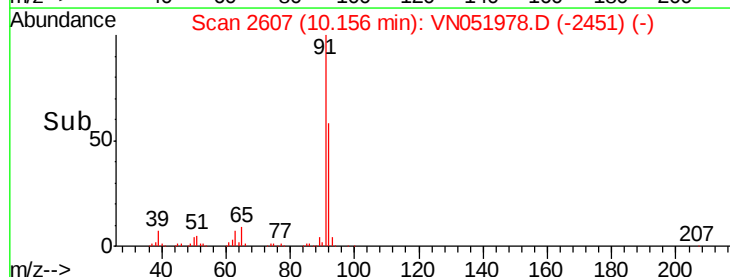
91 100

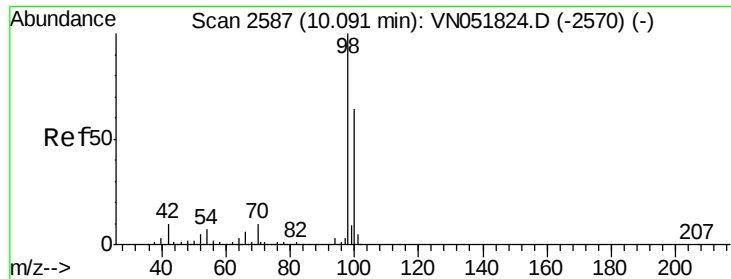
92 56.3 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 18.708 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

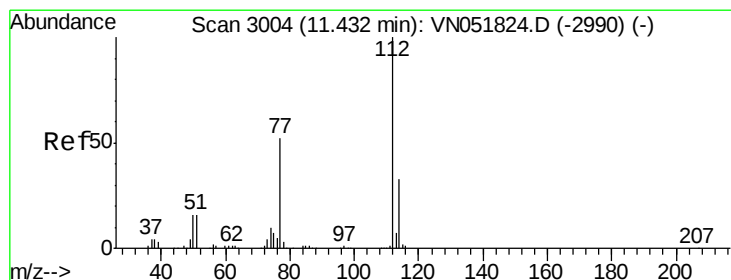
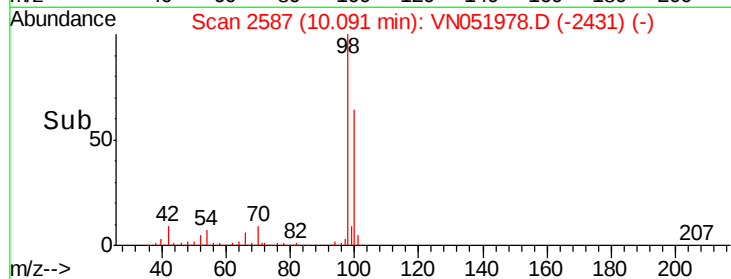
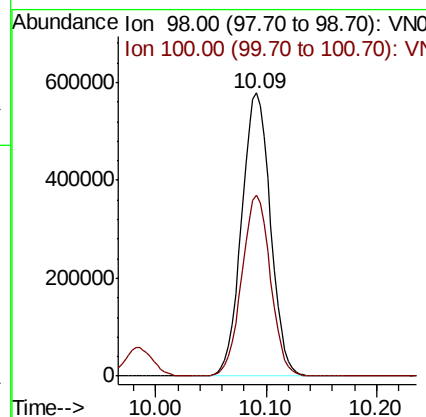
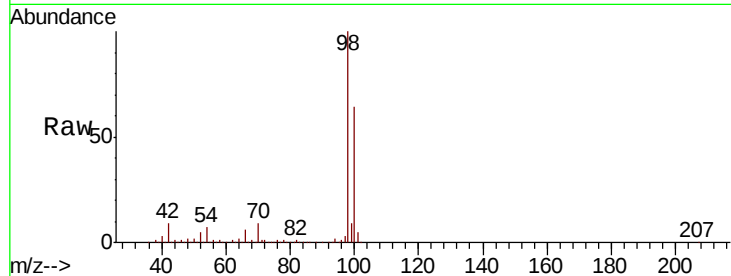
ClientSampleId :

Tot Ion: 98 Resp: 1046084

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2



#64

Chlorobenzene

Concen: 19.272 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051978.D

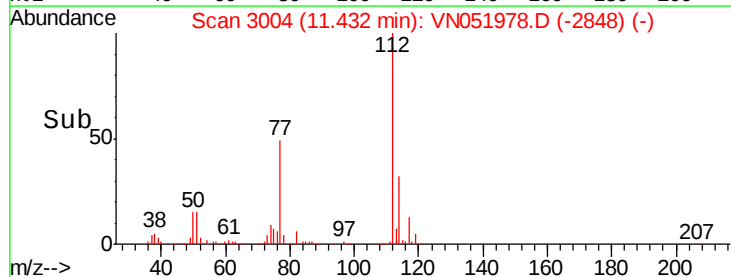
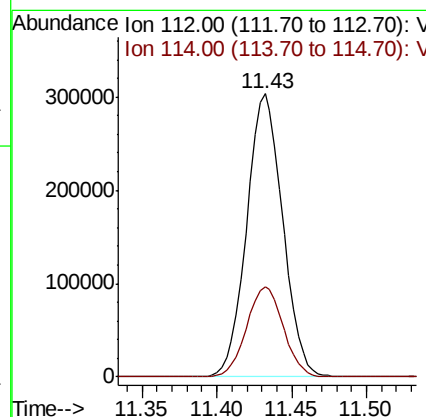
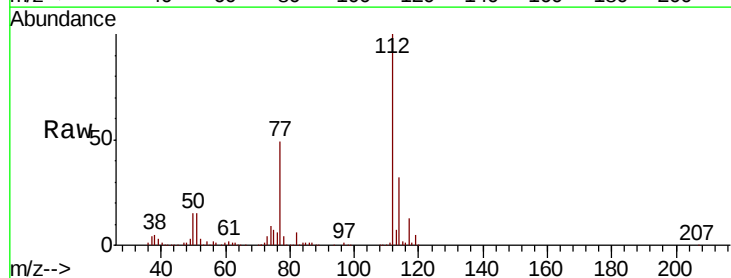
Acq: 24 Oct 2018 10:38

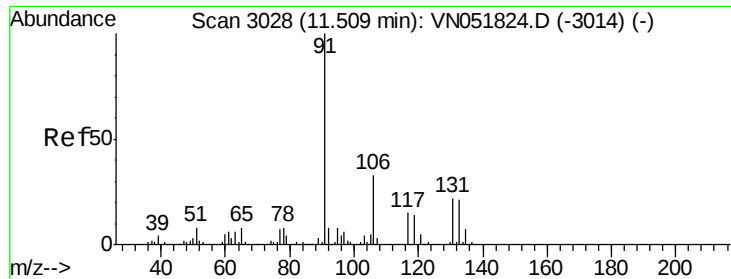
Tgt Ion: 112 Resp: 507957

Ion Ratio Lower Upper

112 100

114 32.0 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.496 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

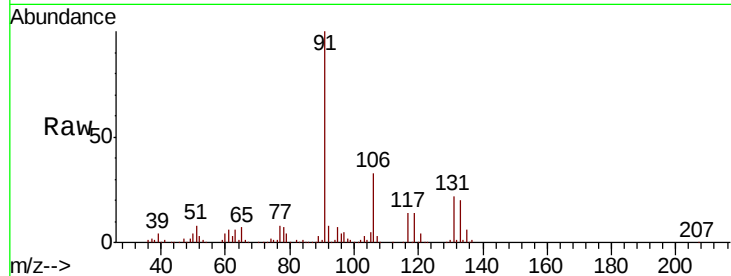
Tot Ion:131 Resp: 187117

Ion Ratio Lower Upper

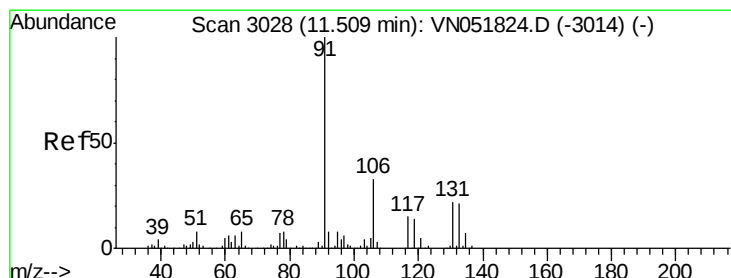
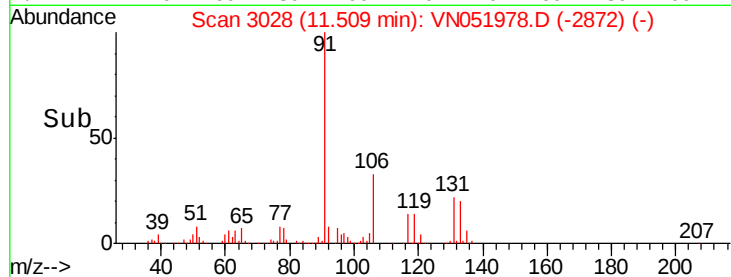
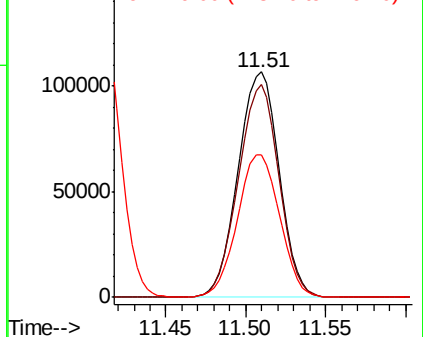
131 100

133 93.5 0.0 190.4

119 64.9 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.448 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051978.D

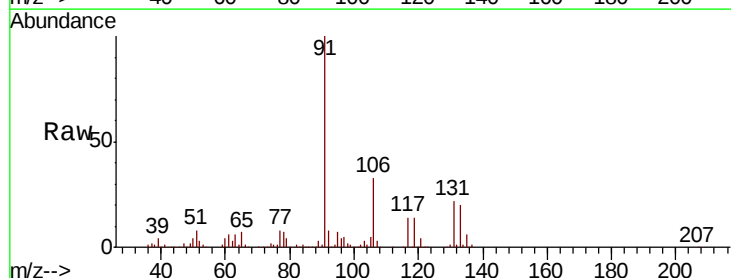
Acq: 24 Oct 2018 10:38

Tgt Ion: 91 Resp: 820534

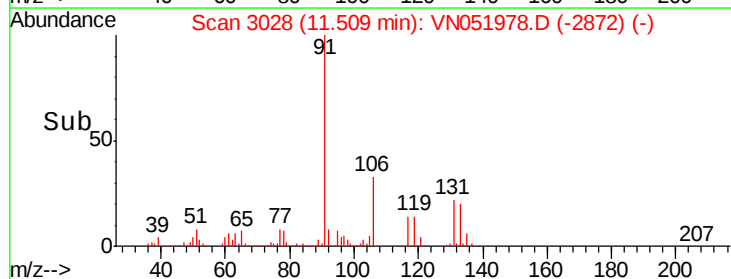
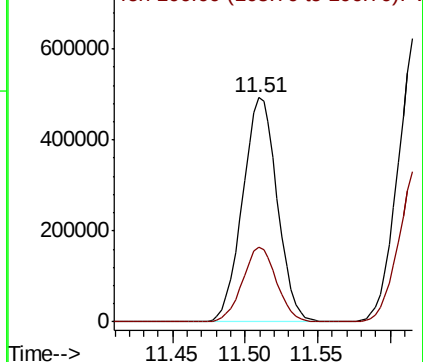
Ion Ratio Lower Upper

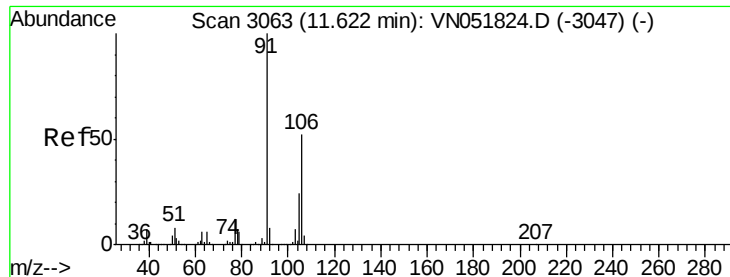
91 100

106 33.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

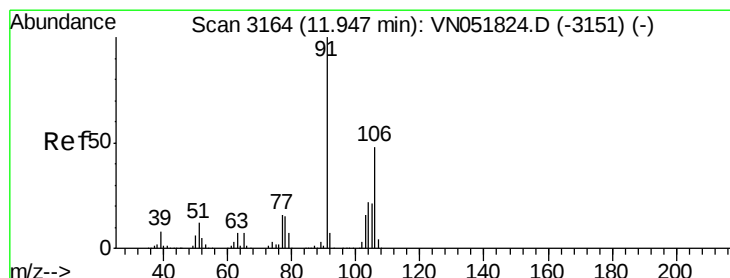
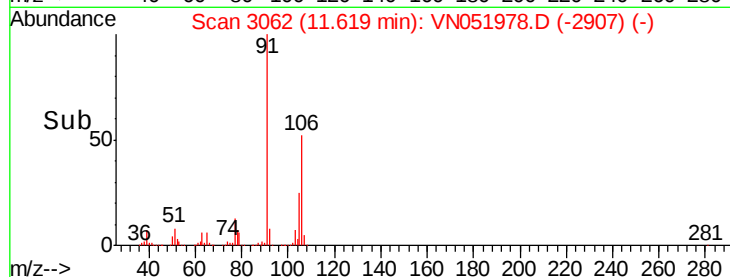
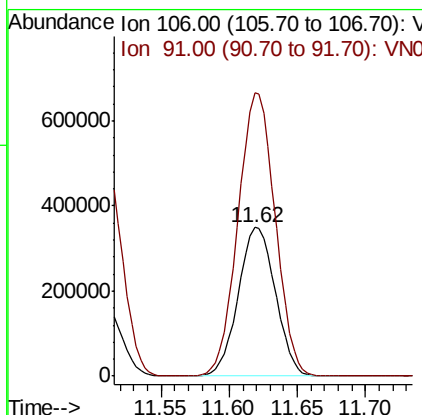
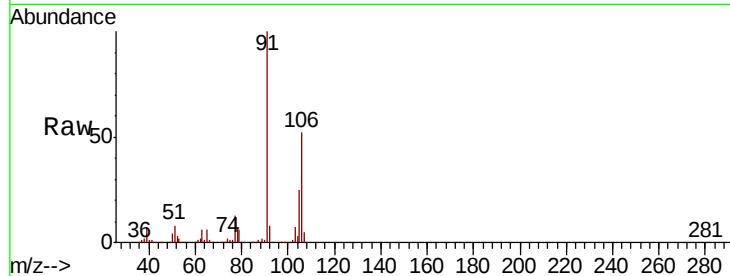




#67
m/p-Xylenes
Concen: 36.626 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

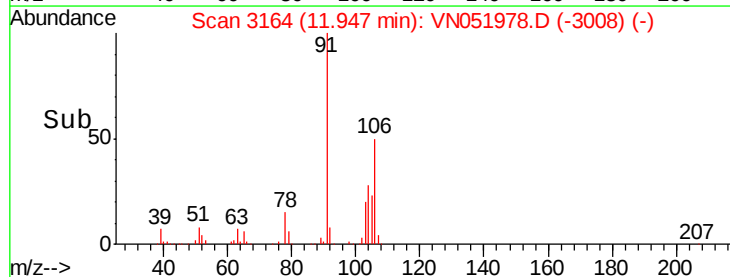
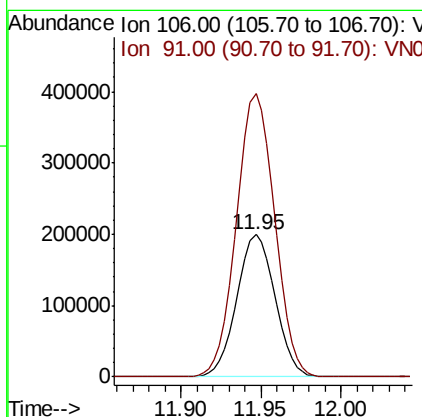
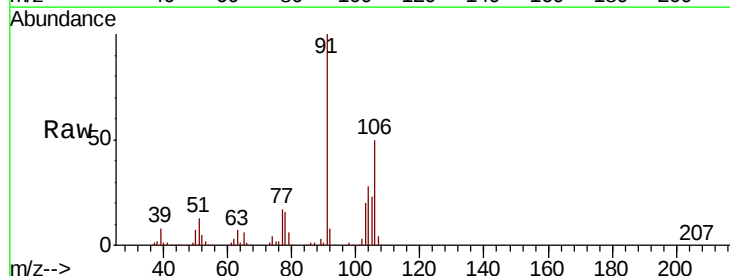
Instrument :
MSVOA_N
ClientSampled :

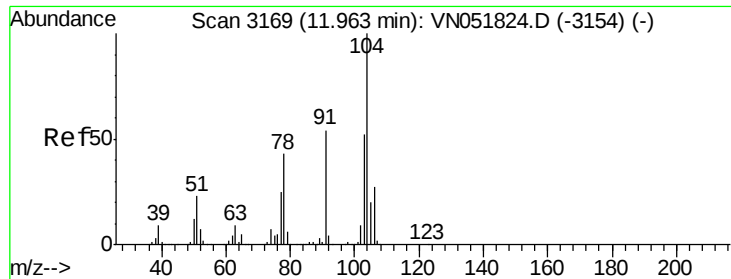
Tot Ion:106 Resp: 660441
Ion Ratio Lower Upper
106 100
91 191.1 158.8 238.2



#68
o-Xylene
Concen: 18.250 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion:106 Resp: 324425
Ion Ratio Lower Upper
106 100
91 199.6 111.1 333.3





#69

Stvrene

Concen: 18.621 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

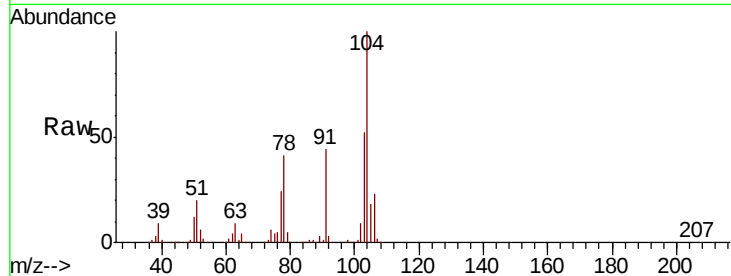
Tot Ion:104 Resp: 507885

Ion Ratio Lower Upper

104 100

78 45.1 40.6 60.8

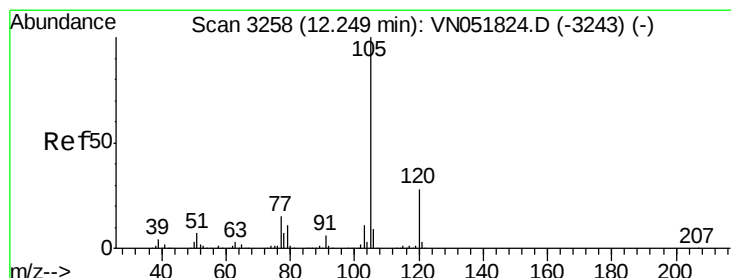
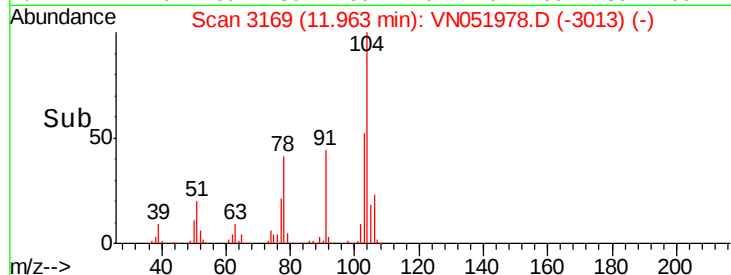
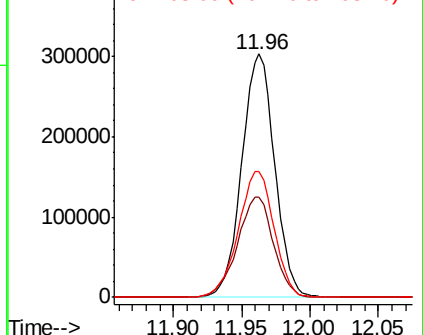
103 56.2 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.015 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051978.D

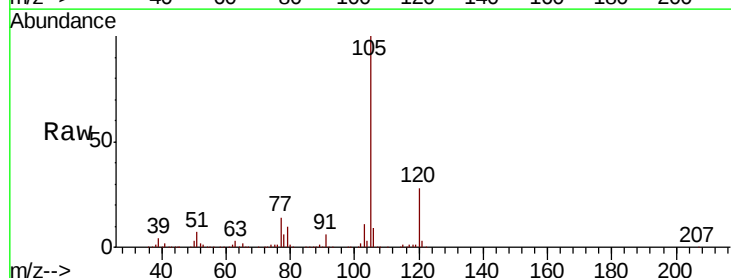
Acq: 24 Oct 2018 10:38

Tgt Ion:105 Resp: 854013

Ion Ratio Lower Upper

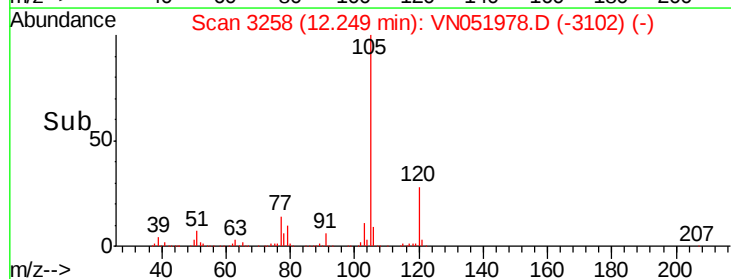
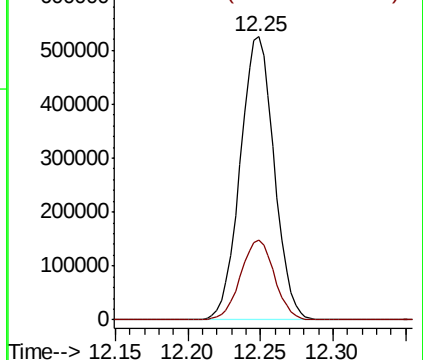
105 100

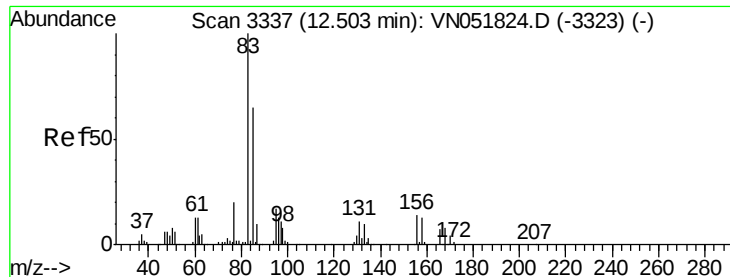
120 28.1 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

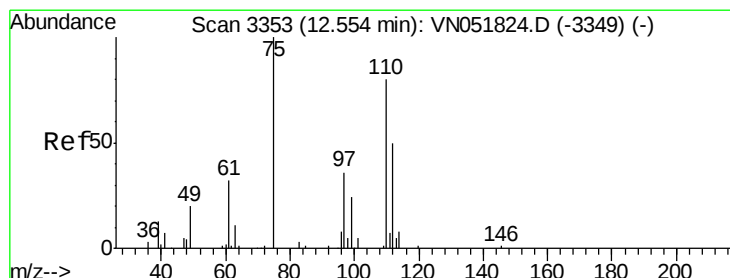
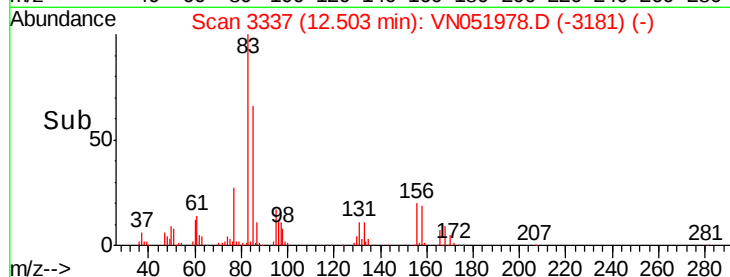
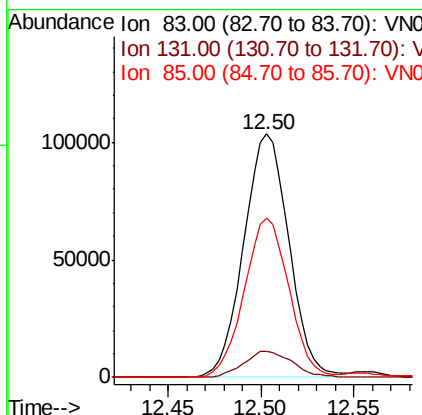
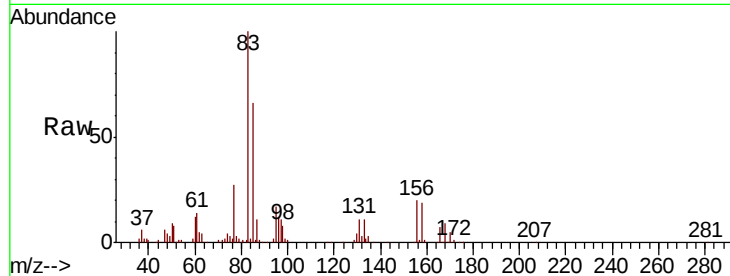




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.702 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

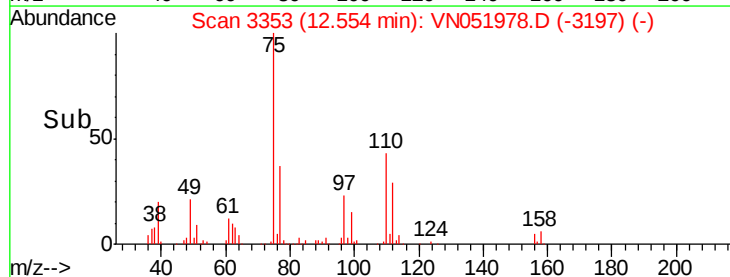
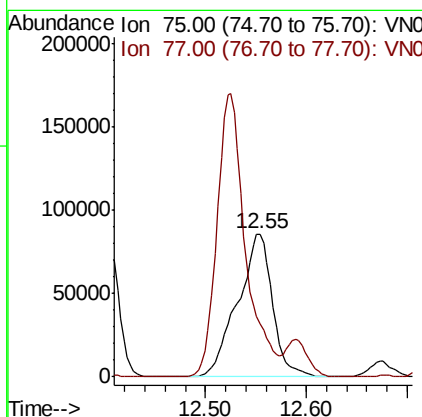
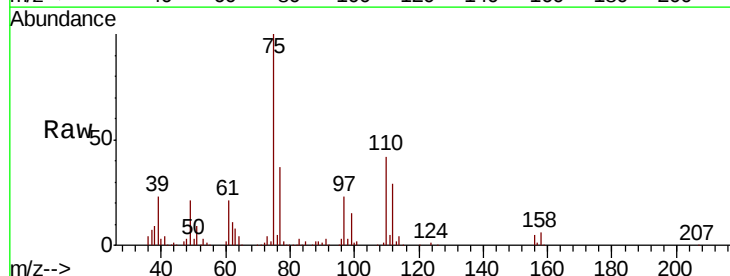
Instrument :
 MSVOA_N
 ClientSampled :

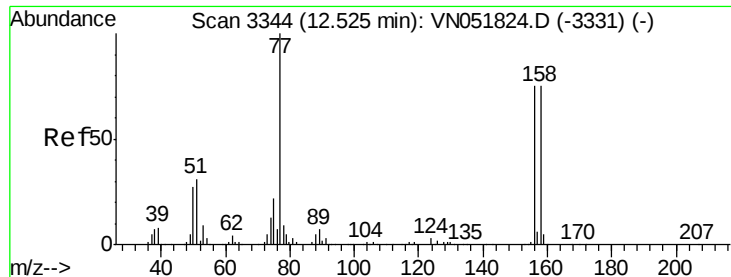
Tot Ion	83	Resp	175085
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	64.6		91.8



#72
 1,2,3-Trichloropropane
 Concen: 27.844 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	75	Resp	205063
Ion Ratio	100		
Lower	0.0		
Upper	400.0		
77	163.7		





#73

Bromobenzene

Concen: 19.488 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

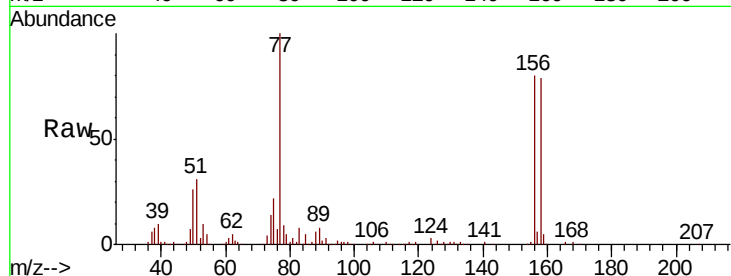
Tot Ion:156 Resp: 228826

Ion Ratio Lower Upper

156 100

77 146.7 0.0 377.4

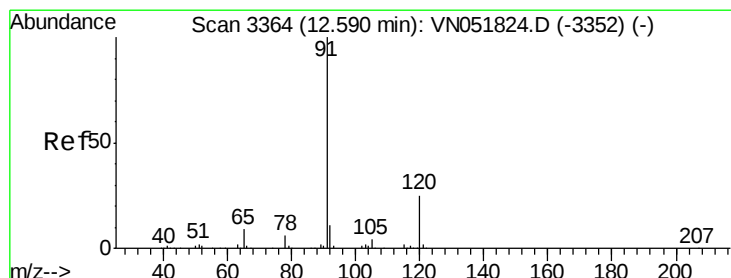
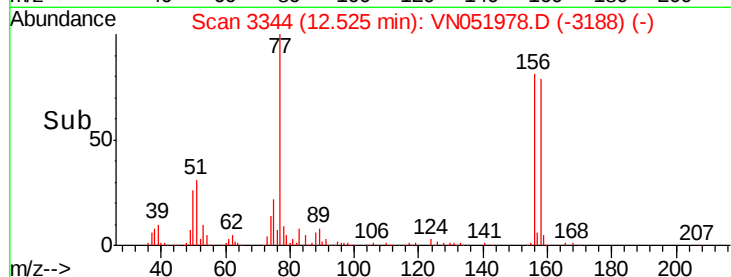
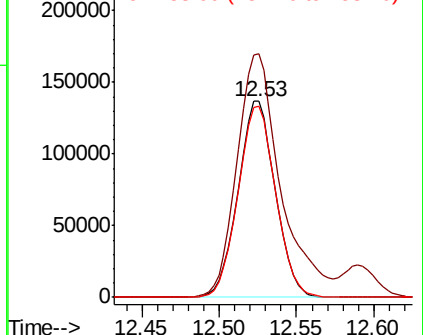
158 98.5 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.034 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051978.D

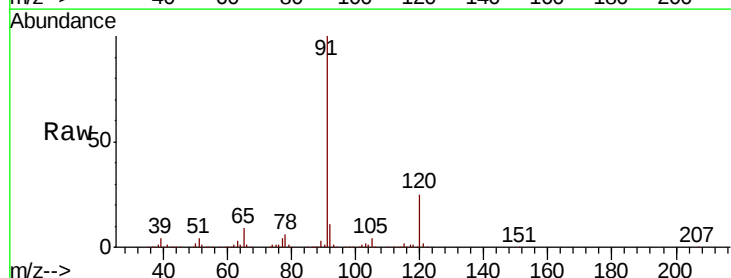
Acq: 24 Oct 2018 10:38

Tgt Ion: 91 Resp: 919591

Ion Ratio Lower Upper

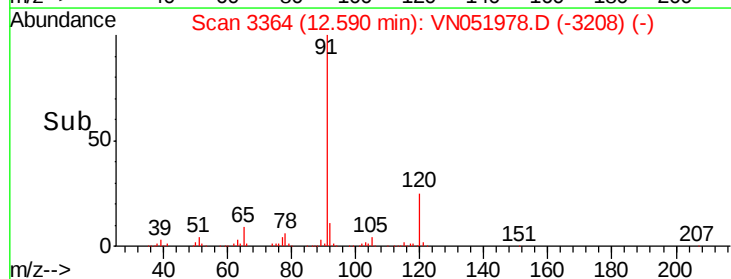
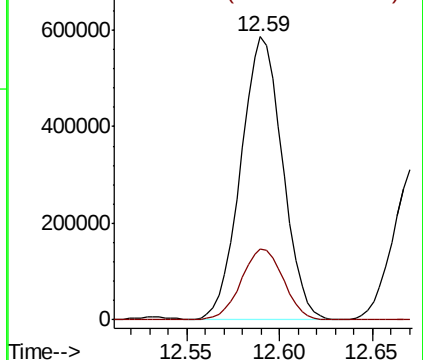
91 100

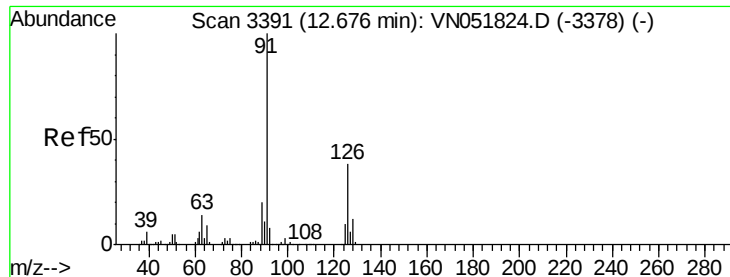
120 25.3 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.076 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

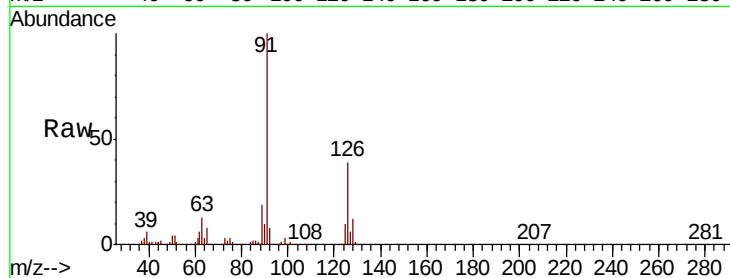
ClientSampled :

Tot Ion: 91 Resp: 540354

Ion Ratio Lower Upper

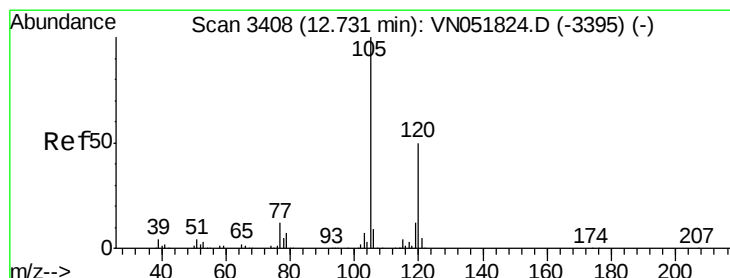
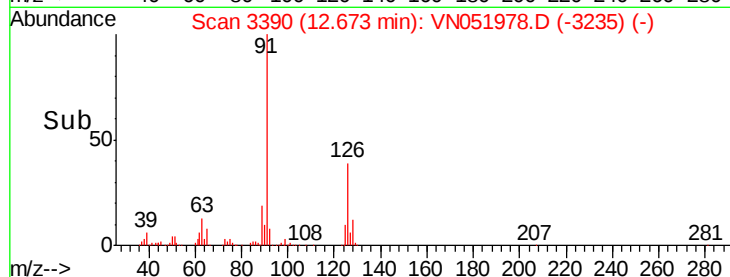
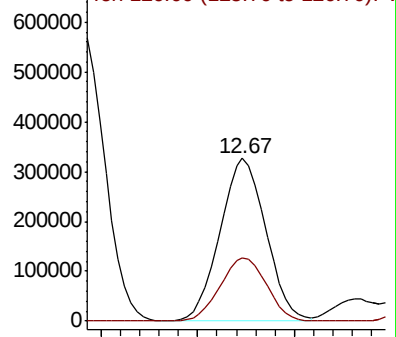
91 100

126 39.4 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.655 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051978.D

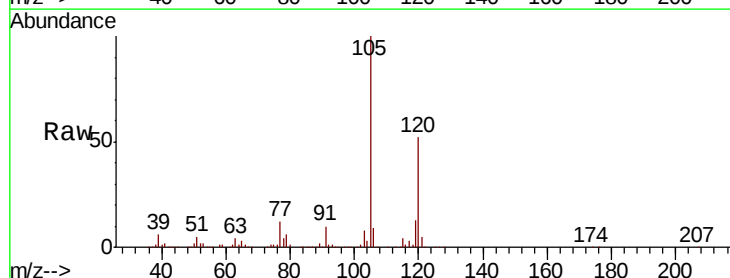
Acq: 24 Oct 2018 10:38

Tgt Ion: 105 Resp: 692069

Ion Ratio Lower Upper

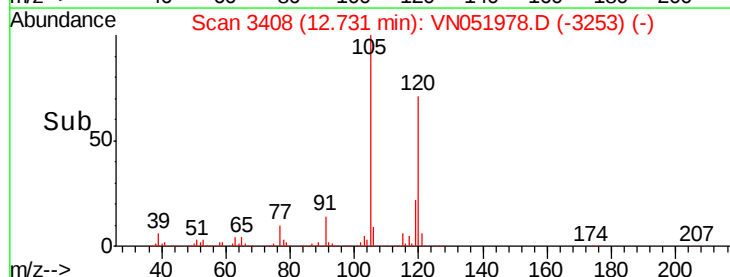
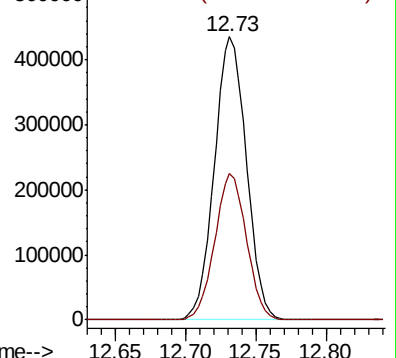
105 100

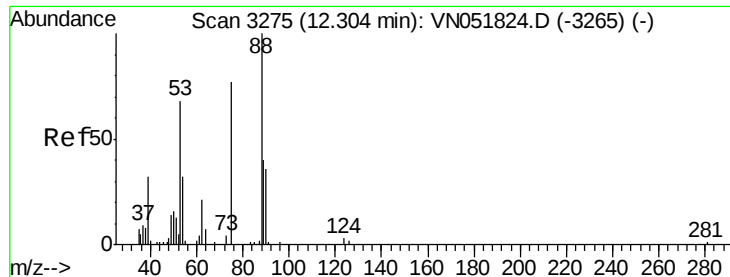
120 51.2 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 14.988 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

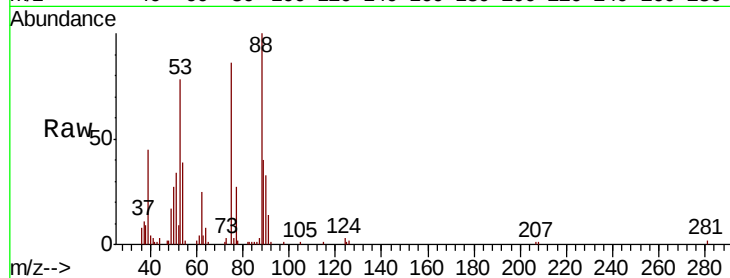
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 36506

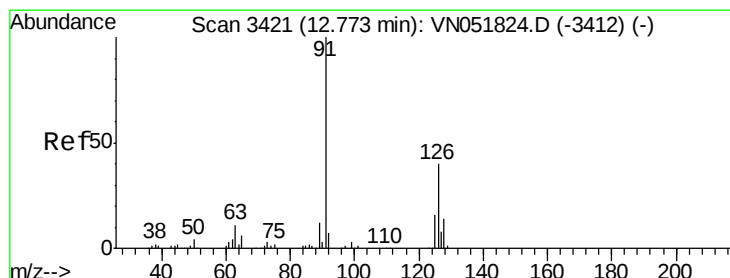
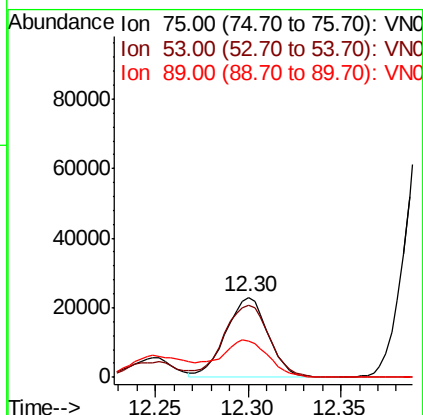
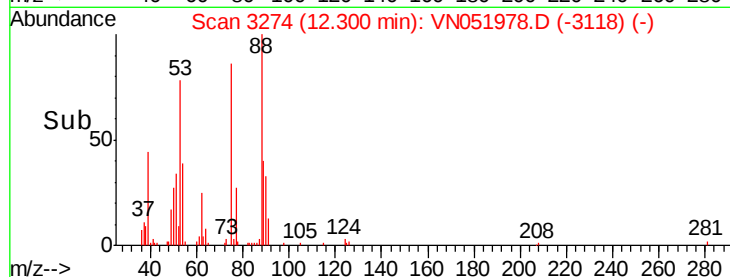
Ion	Ratio	Lower	Upper
75	100		
53	90.3	46.3	138.9
89	46.0	24.6	73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.723 ug/l

RT: 12.77 min Scan# 3421

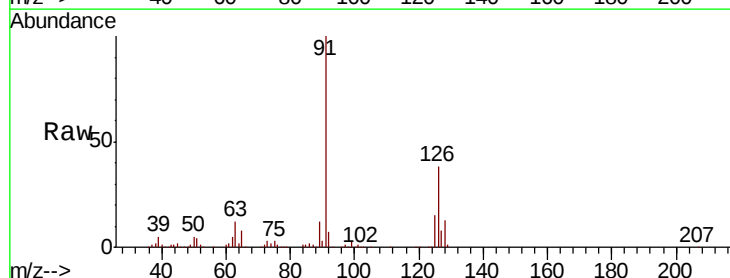
Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

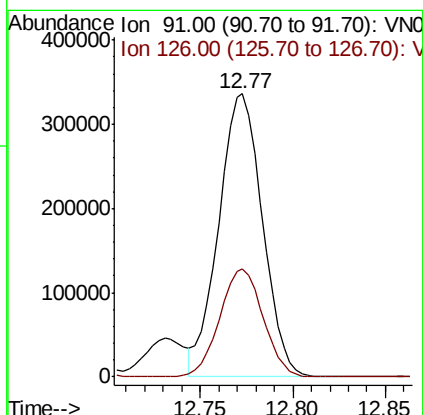
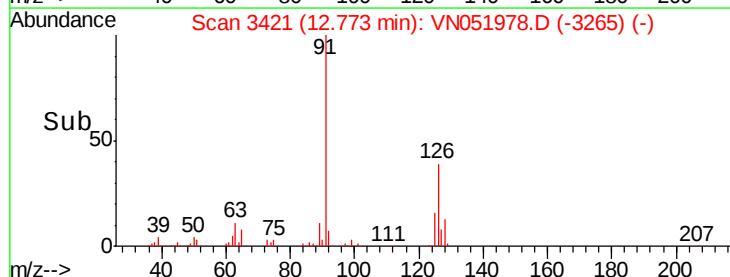
Tgt Ion: 91 Resp: 549905

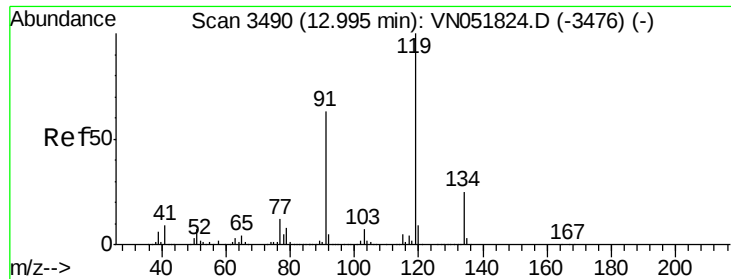
Ion	Ratio	Lower	Upper
91	100		
126	37.9	0.0	65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

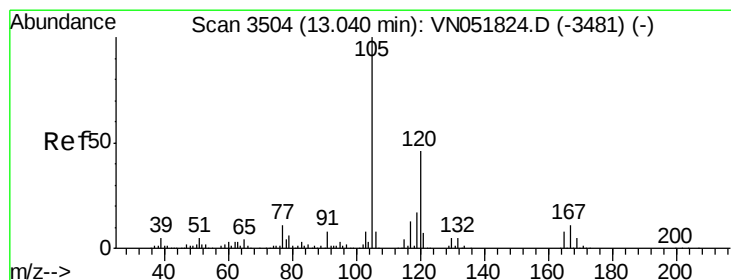
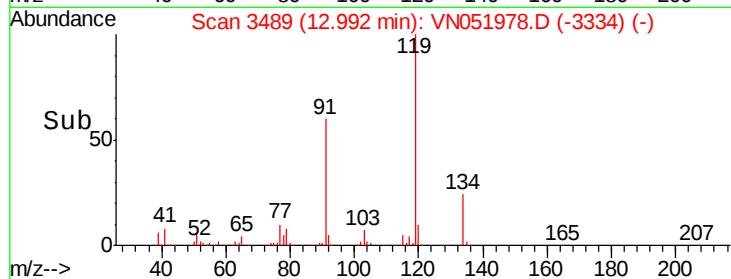
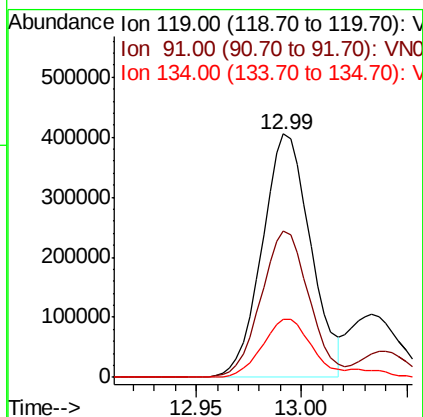
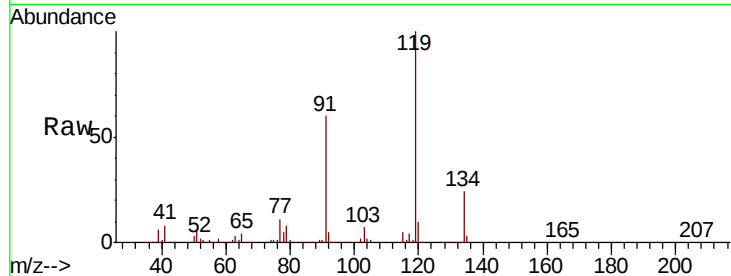




#79
tert-butylbenzene
Concen: 18.004 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

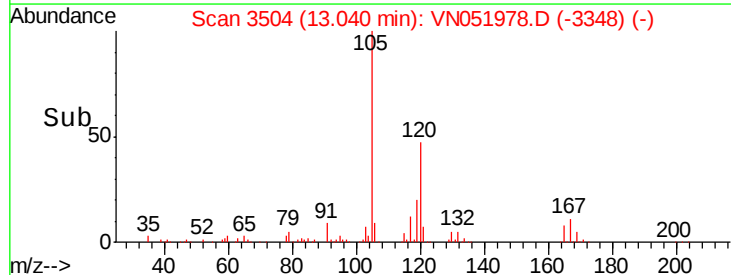
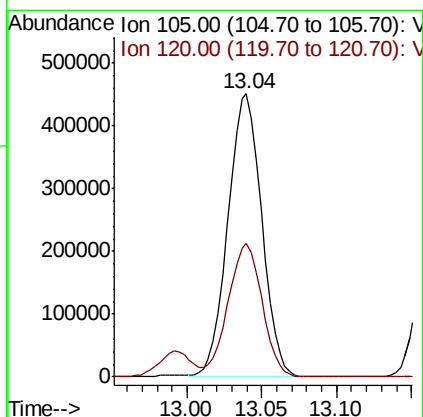
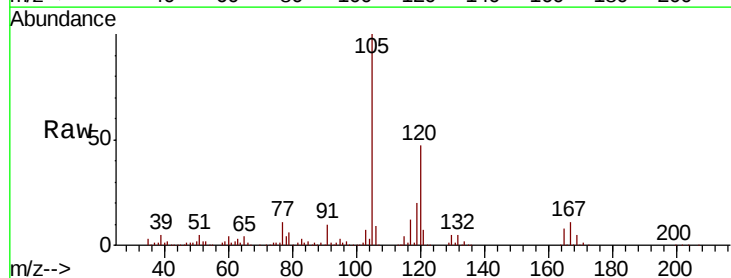
Instrument :
MSVOA_N
ClientSampled :

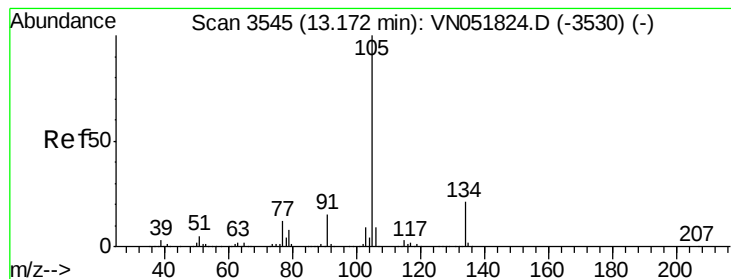
Tot Ion:119 Resp: 649052
Ion Ratio Lower Upper
119 100
91 59.5 0.0 131.6
134 24.3 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 18.124 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion:105 Resp: 710072
Ion Ratio Lower Upper
105 100
120 47.3 0.0 89.6





#81

sec-Butylbenzene

Concen: 18.053 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

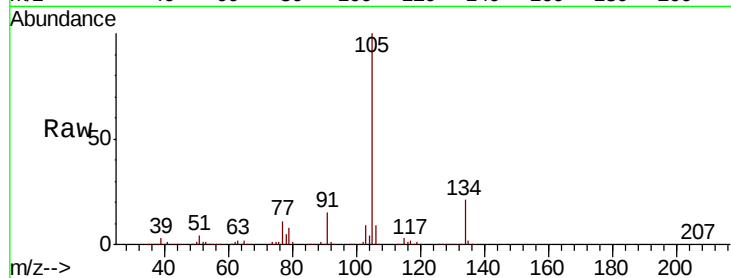
ClientSampled :

Tot Ion:105 Resp: 851379

Ion Ratio Lower Upper

105 100

134 20.8 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

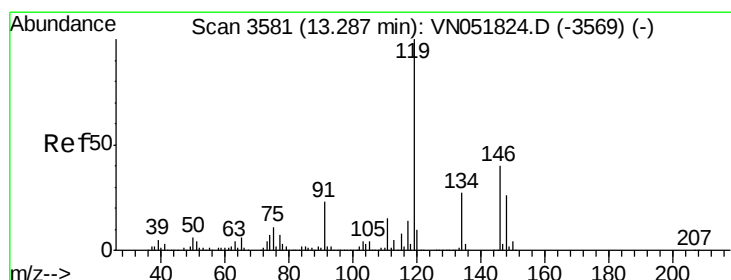
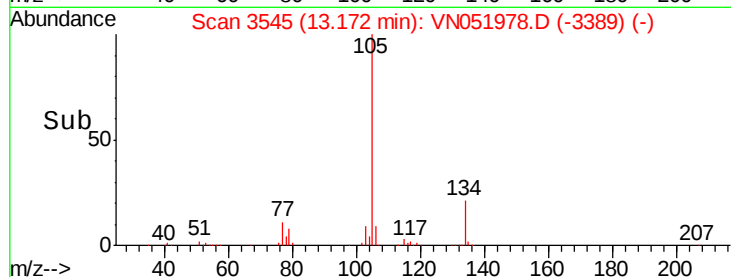
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 17.970 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

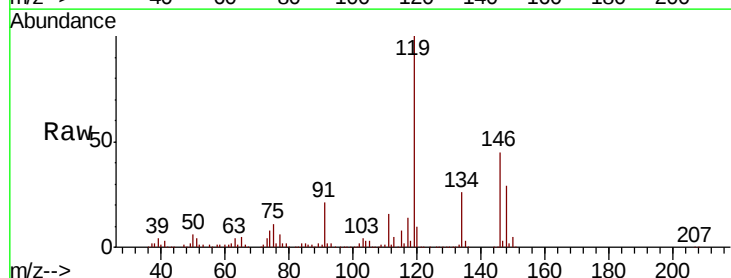
Tgt Ion:119 Resp: 758320

Ion Ratio Lower Upper

119 100

134 27.3 0.0 53.6

91 21.6 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

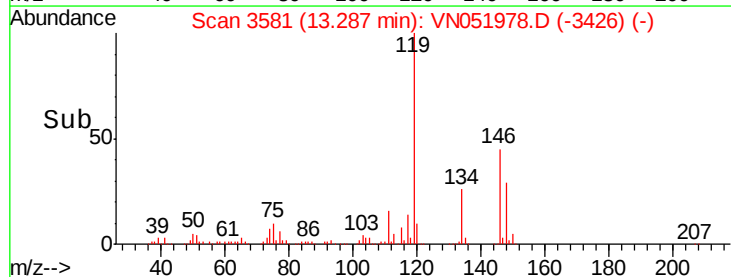
600000

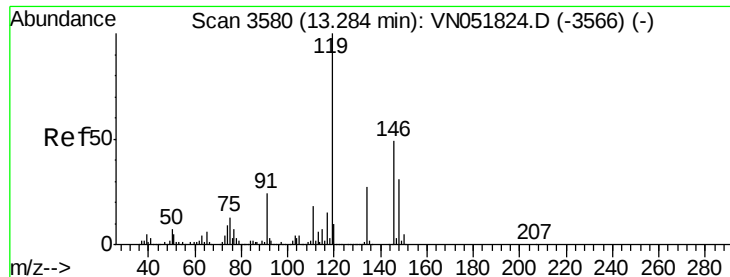
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 19.931 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

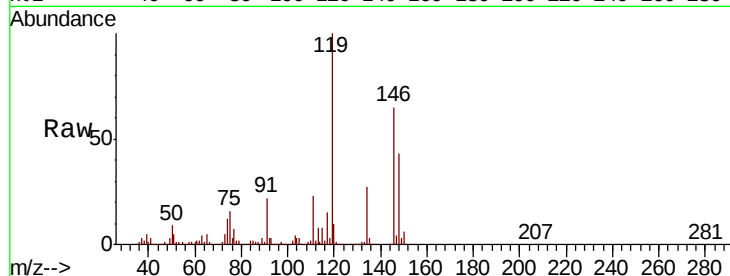
Tot Ion:146 Resp: 412936

Ion Ratio Lower Upper

146 100

111 35.7 18.1 54.3

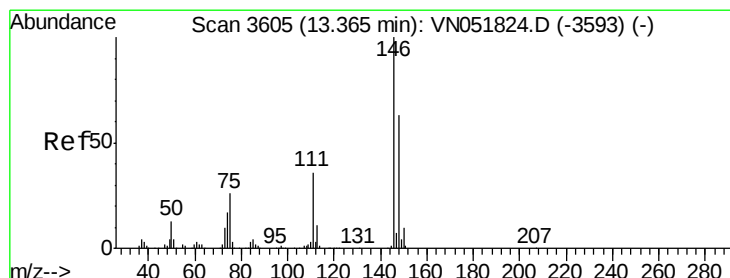
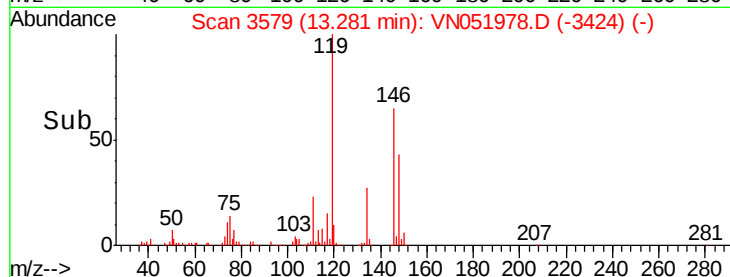
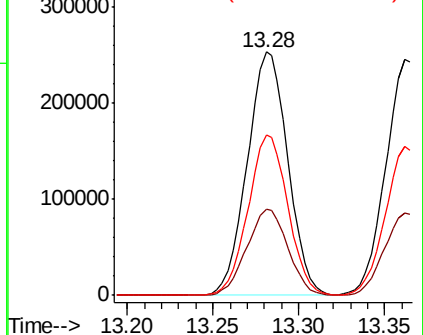
148 64.7 31.3 93.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 20.508 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

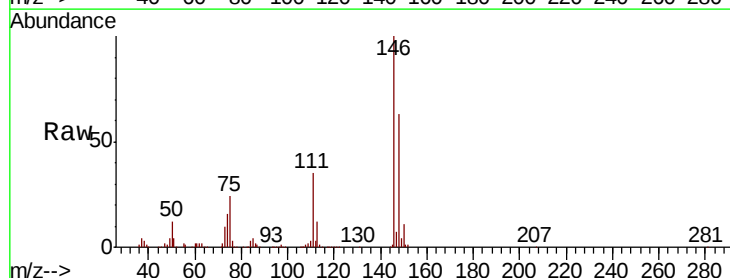
Tgt Ion:146 Resp: 400006

Ion Ratio Lower Upper

146 100

111 35.5 17.4 52.2

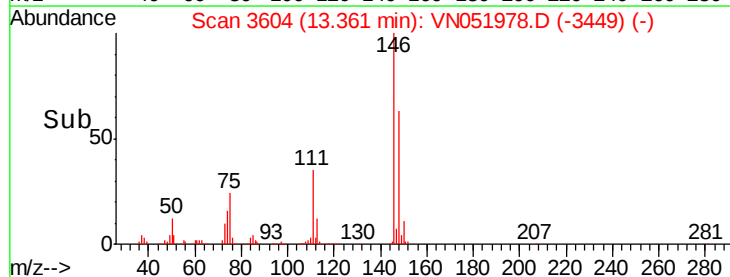
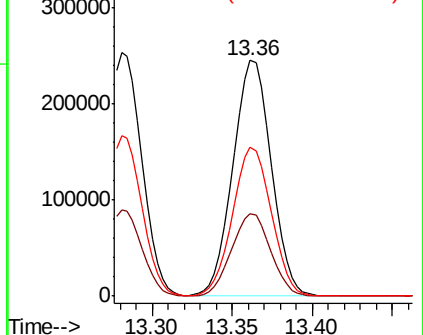
148 63.8 32.8 98.3

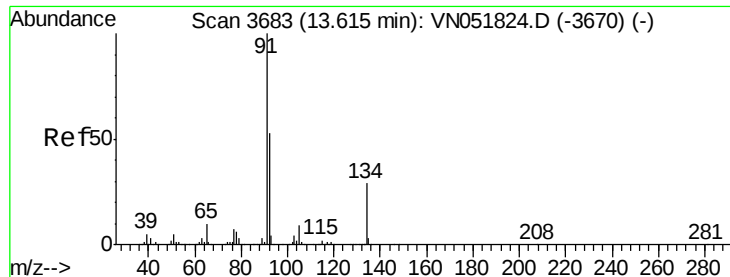


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

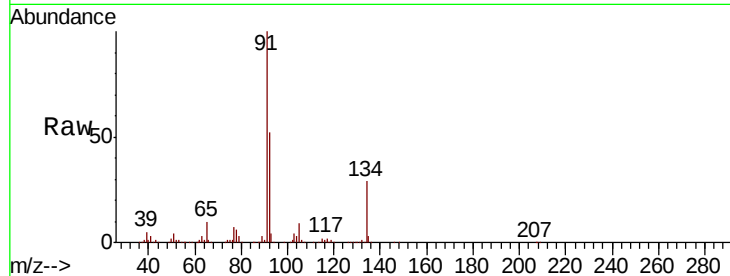




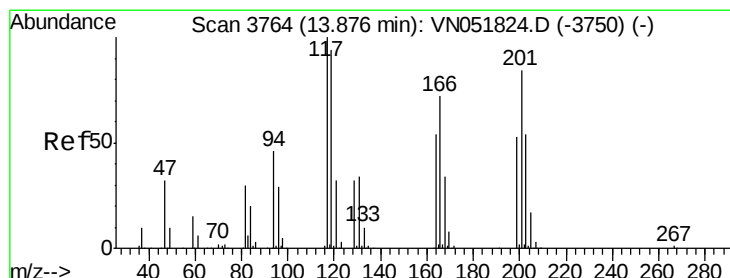
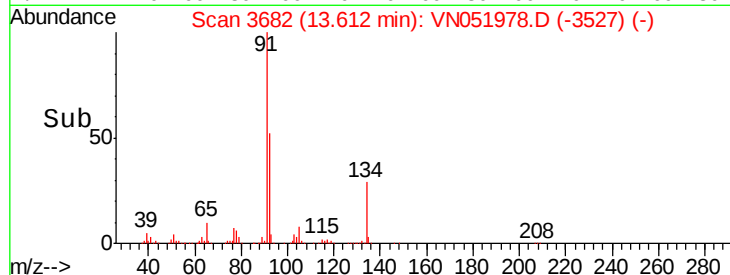
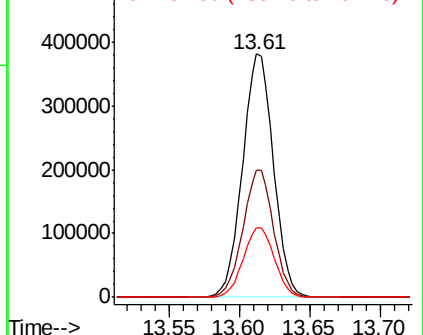
#85
n-Butylbenzene
Concen: 18.371 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 584592
Ion Ratio Lower Upper
91 100
92 52.0 0.0 97.4
134 29.0 0.0 49.6

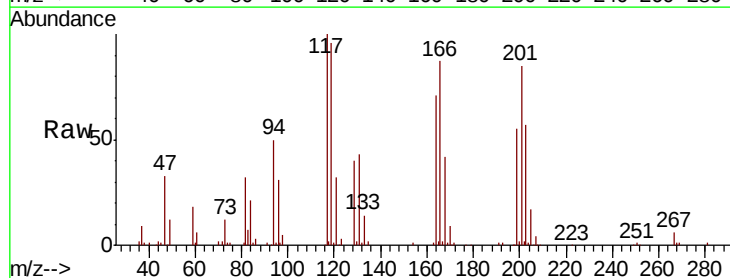


Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3670) (-)
Ion 92.00 (91.70 to 92.70): VN051824.D (-3670) (-)
Ion 134.00 (133.70 to 134.70): VN051824.D (-3670) (-)

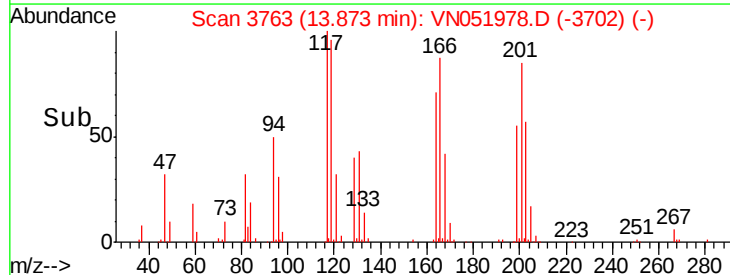
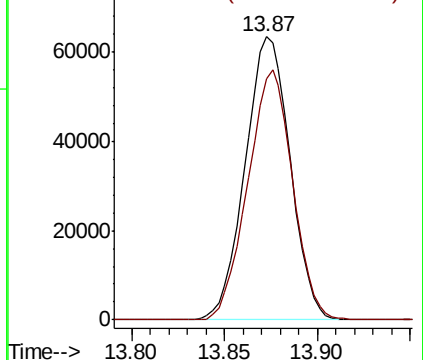


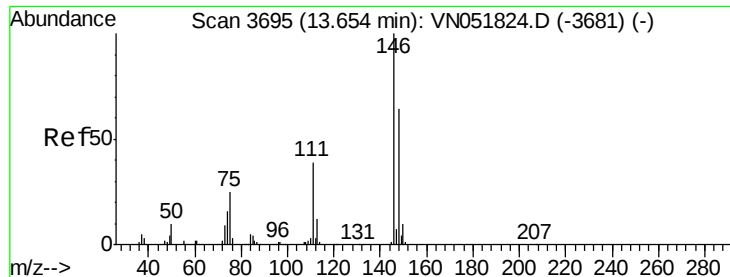
#86
Hexachloroethane
Concen: 14.679 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 117 Resp: 106813
Ion Ratio Lower Upper
117 100
201 87.6 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051824.D (-3750) (-)
Ion 201.00 (200.70 to 201.70): VN051824.D (-3750) (-)

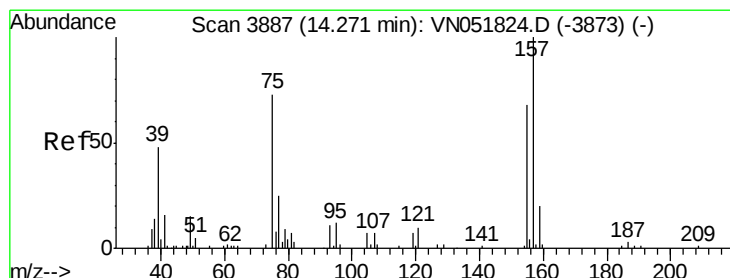
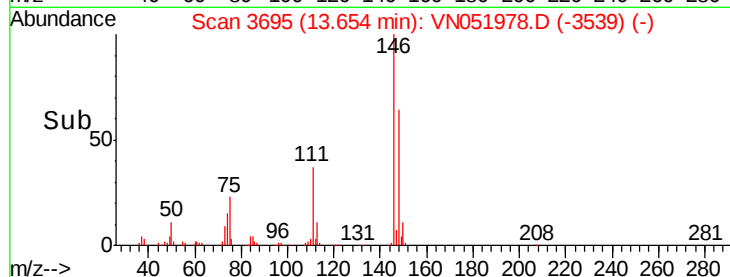
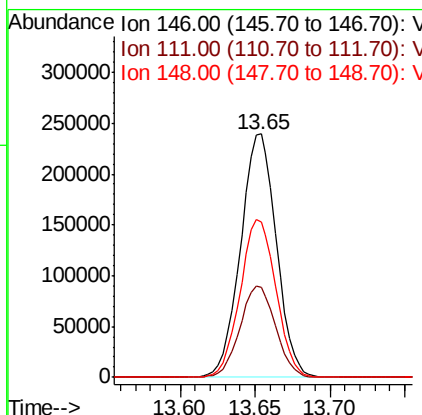
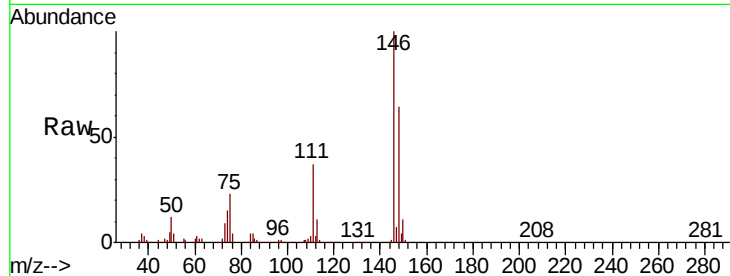




#87
 1,2-Dichlorobenzene
 Concen: 19.850 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

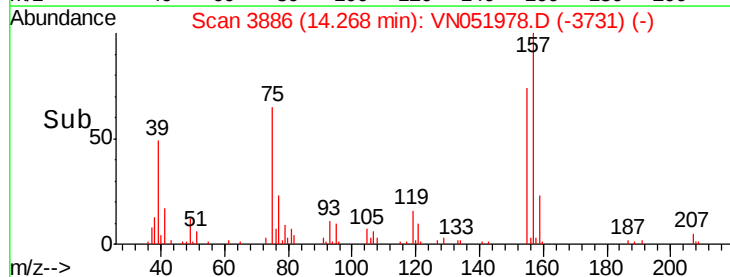
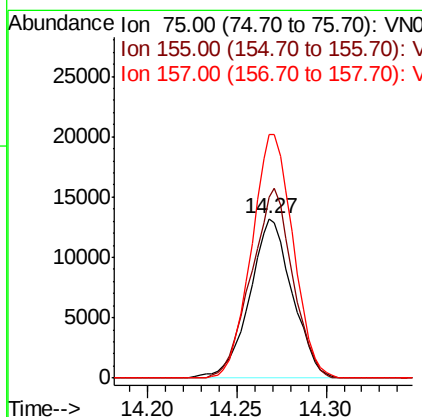
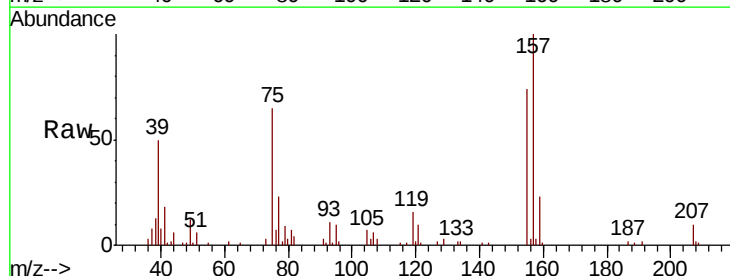
Instrument :
 MSVOA_N
 ClientSampleId :

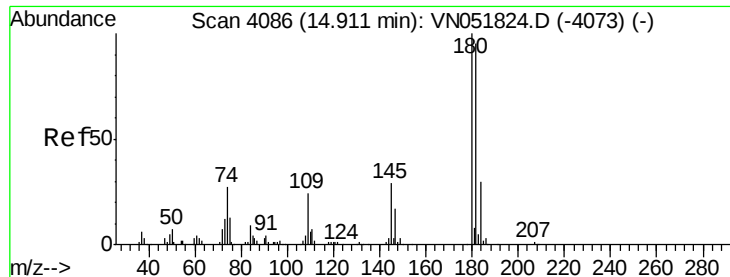
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.8	62.2
148	64.8	33.2	99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.769 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.1	57.0	85.6#
157	149.0	87.4	131.0#

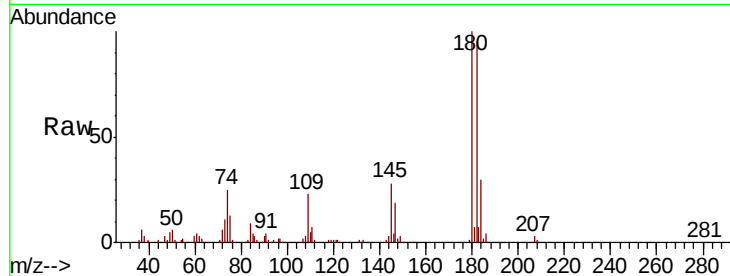




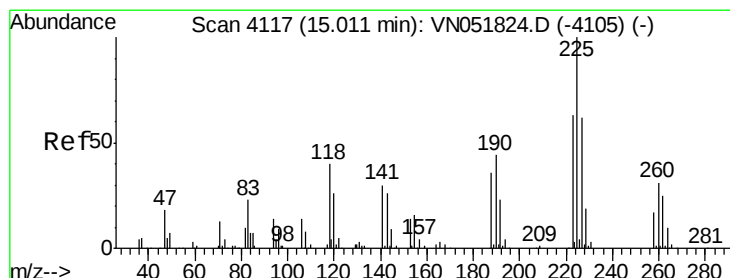
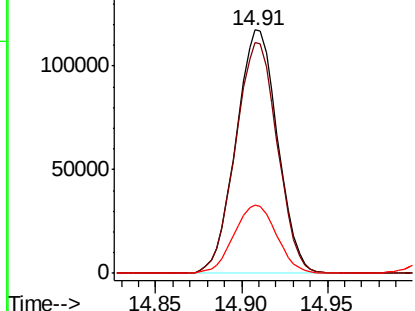
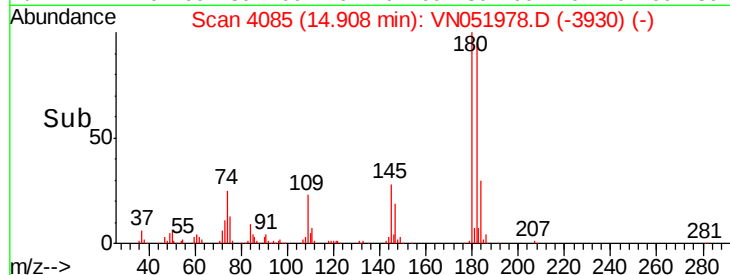
#89
 1,2,4-Trichlorobenzene
 Concen: 22.590 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 196764
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.7 116.5
 145 29.0 23.4 35.2

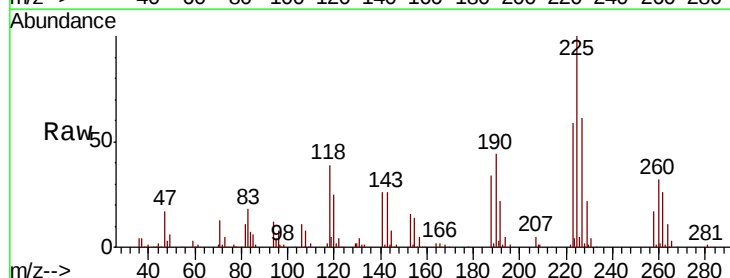


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

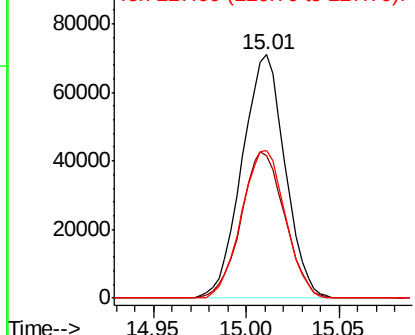
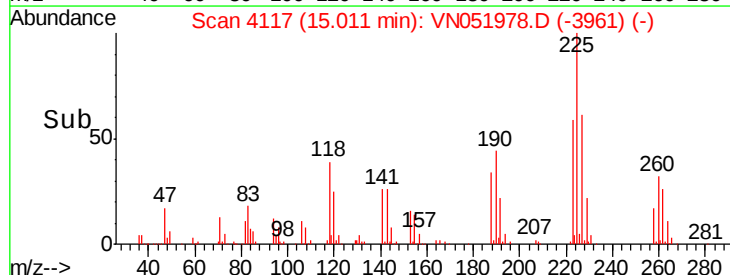


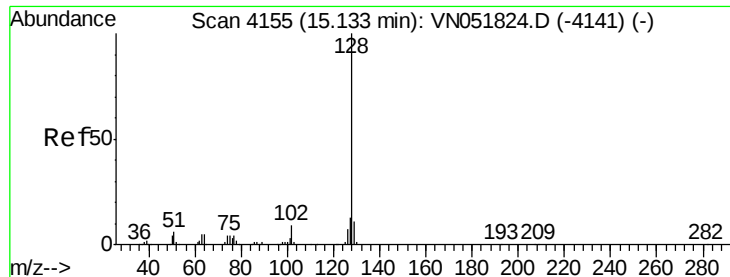
#90
 Hexachlorobutadiene
 Concen: 17.703 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion:225 Resp: 114436
 Ion Ratio Lower Upper
 225 100
 223 61.0 0.0 117.0
 227 61.8 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 22.896 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

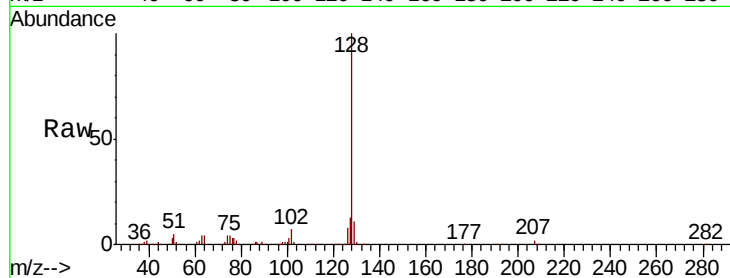
Tot Ion:128 Resp: 394041

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

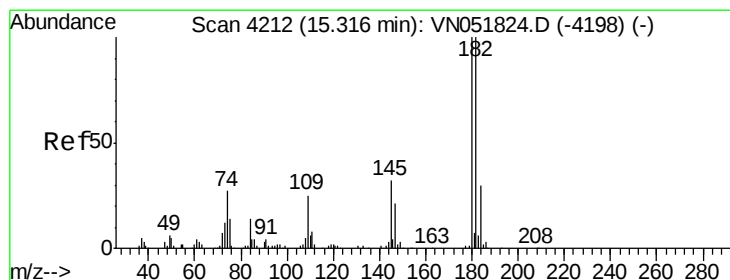
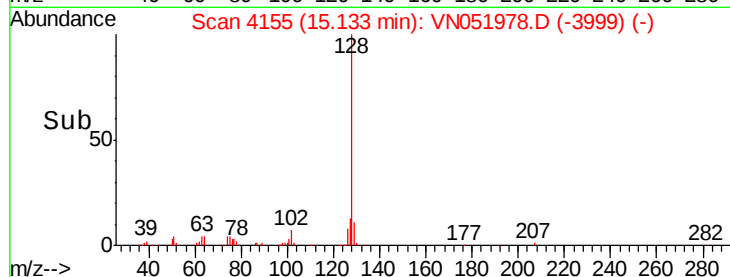
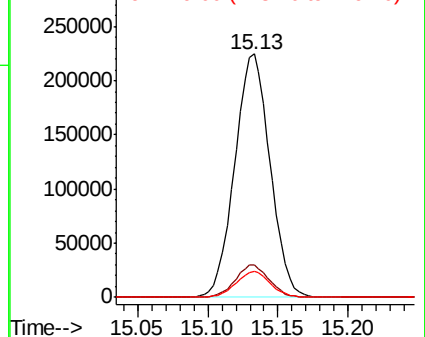
129 10.4 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.024 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

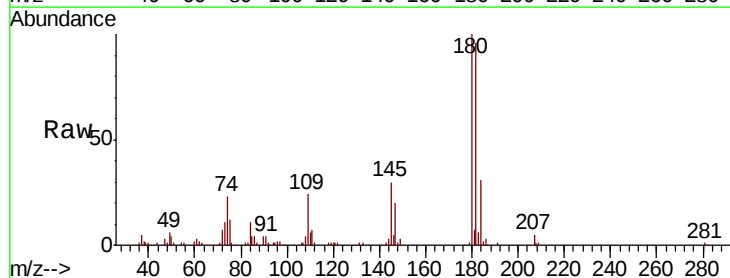
Tgt Ion:180 Resp: 173614

Ion Ratio Lower Upper

180 100

182 95.5 0.0 198.0

145 30.2 0.0 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

