

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053181.D
 Acq On : 24 Dec 2018 13:26
 Operator : MD\SY
 Sample : VN1224WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Quant Time: Dec 24 22:27:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	901523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1395111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1238656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	563051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	458099	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	386634	60.67	ug/l	0.00
Spiked Amount			Recovery	=	121.34%	
50) Toluene-d8	10.09	98	1662898	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	574010	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	172393	18.894	ug/l	100
3) Chloromethane	2.06	50	220879	19.977	ug/l	99
4) Vinyl Chloride	2.19	62	222115	19.836	ug/l	100
5) Bromomethane	2.58	94	143465	18.492	ug/l	99
6) Chloroethane	2.71	64	134619	20.299	ug/l	99
7) Trichlorofluoromethane	3.02	101	288044	20.649	ug/l	99
8) Diethyl Ether	3.41	74	112987	21.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	182150	20.480	ug/l	98
10) Methyl Iodide	3.96	142	234159	18.747	ug/l	98
11) Tert butyl alcohol	4.78	59	58400	104.618	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	177036	20.603	ug/l	98
13) Acrolein	3.61	56	52946	104.603	ug/l	99
14) Allyl chloride	4.33	41	301608	22.661	ug/l	94
15) Acrylonitrile	4.99	53	327639	105.649	ug/l	99
16) Acetone	3.82	43	201338	112.242	ug/l	98
17) Carbon Disulfide	4.06	76	485385	17.321	ug/l	98
18) Methyl Acetate	4.33	43	182131	22.919	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	496148	21.577	ug/l	99
20) Methylene Chloride	4.55	84	207247	21.180	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	189203	20.494	ug/l	100
22) Diisopropyl ether	5.95	45	644458	22.684	ug/l	98
23) Vinyl Acetate	5.90	43	1847201	113.071	ug/l	99
24) 1,1-Dichloroethane	5.85	63	364874	21.613	ug/l	100
25) 2-Butanone	6.83	43	342105	113.641	ug/l	100
26) 2,2-Dichloropropane	6.83	77	254073	19.715	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	224433	21.473	ug/l	99
28) Bromochloromethane	7.19	49	162727	22.245	ug/l	98
29) Tetrahydrofuran	7.21	42	246597	109.678	ug/l	99
30) Chloroform	7.37	83	359336	21.668	ug/l	97
31) Cyclohexane	7.66	56	335129	20.547	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	295984	20.951	ug/l	100
36) 1,1-Dichloropropene	7.79	75	270614	20.209	ug/l	99
37) Ethyl Acetate	6.93	43	162360	21.720	ug/l	99
38) Carbon Tetrachloride	7.78	117	245647	20.014	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	303838	18.678	ug/l	97
40) Benzene	8.04	78	837394	21.024	ug/l	99
41) Methacrylonitrile	7.17	41	96249	22.284	ug/l	95
42) 1,2-Dichloroethane	8.13	62	246889	20.982	ug/l	98
43) Isopropyl Acetate	8.16	43	301206	20.199	ug/l	99
44) Trichloroethene	8.84	130	223318	19.384	ug/l	99
45) 1,2-Dichloropropane	9.12	63	227631	21.941	ug/l	99
46) Dibromomethane	9.21	93	124840	20.656	ug/l	98
47) Bromodichloromethane	9.40	83	266380	20.735	ug/l	99
48) Methyl methacrylate	9.20	41	150820	20.792	ug/l	98
49) 1,4-Dioxane	9.20	88	36961	402.811	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	800073	110.519	ug/l	100
52) Toluene	10.16	92	514399	20.836	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	265455	19.650	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318615	20.548	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	183863	21.348	ug/l	99
56) Ethyl methacrylate	10.43	69	236944	20.785	ug/l	99
57) 1,3-Dichloropropane	10.71	76	316092	21.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	652391	104.241	ug/l	99
59) 2-Hexanone	10.75	43	530470	108.304	ug/l	99
60) Dibromochloromethane	10.90	129	200637	20.351	ug/l	99
61) 1,2-Dibromoethane	11.01	107	181785	20.782	ug/l	98
64) Tetrachloroethene	10.63	164	242695	18.088	ug/l	97
65) Chlorobenzene	11.43	112	567485	20.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	196614	20.592	ug/l	100
67) Ethyl Benzene	11.51	91	969472	20.531	ug/l	99
68) m/p-Xylenes	11.62	106	739182	41.178	ug/l	98
69) o-Xylene	11.95	106	360603	20.934	ug/l	99
70) Styrene	11.96	104	583868	20.787	ug/l	99
71) Bromoform	12.13	173	132724	19.241	ug/l #	100
73) Isopropylbenzene	12.25	105	948348	21.527	ug/l	100
74) N-amyl acetate	12.07	43	257397	21.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	202006	23.373	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	264196	27.874	ug/l #	100
77) Bromobenzene	12.53	156	248542	21.704	ug/l	95
78) n-propylbenzene	12.59	91	1050654	20.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	636232	20.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	752519	20.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55619	18.913	ug/l	99
82) 4-Chlorotoluene	12.77	91	644579	21.173	ug/l	100
83) tert-Butylbenzene	12.99	119	663642	20.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760920	21.080	ug/l	100
85) sec-Butylbenzene	13.17	105	850120	19.791	ug/l	99
86) p-Isopropyltoluene	13.29	119	735804	19.824	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413907	20.422	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	410325	19.992	ug/l	99
89) n-Butylbenzene	13.62	91	590831	18.503	ug/l	100
90) Hexachloroethane	13.88	117	112702	19.787	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	399592	20.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29784	19.931	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

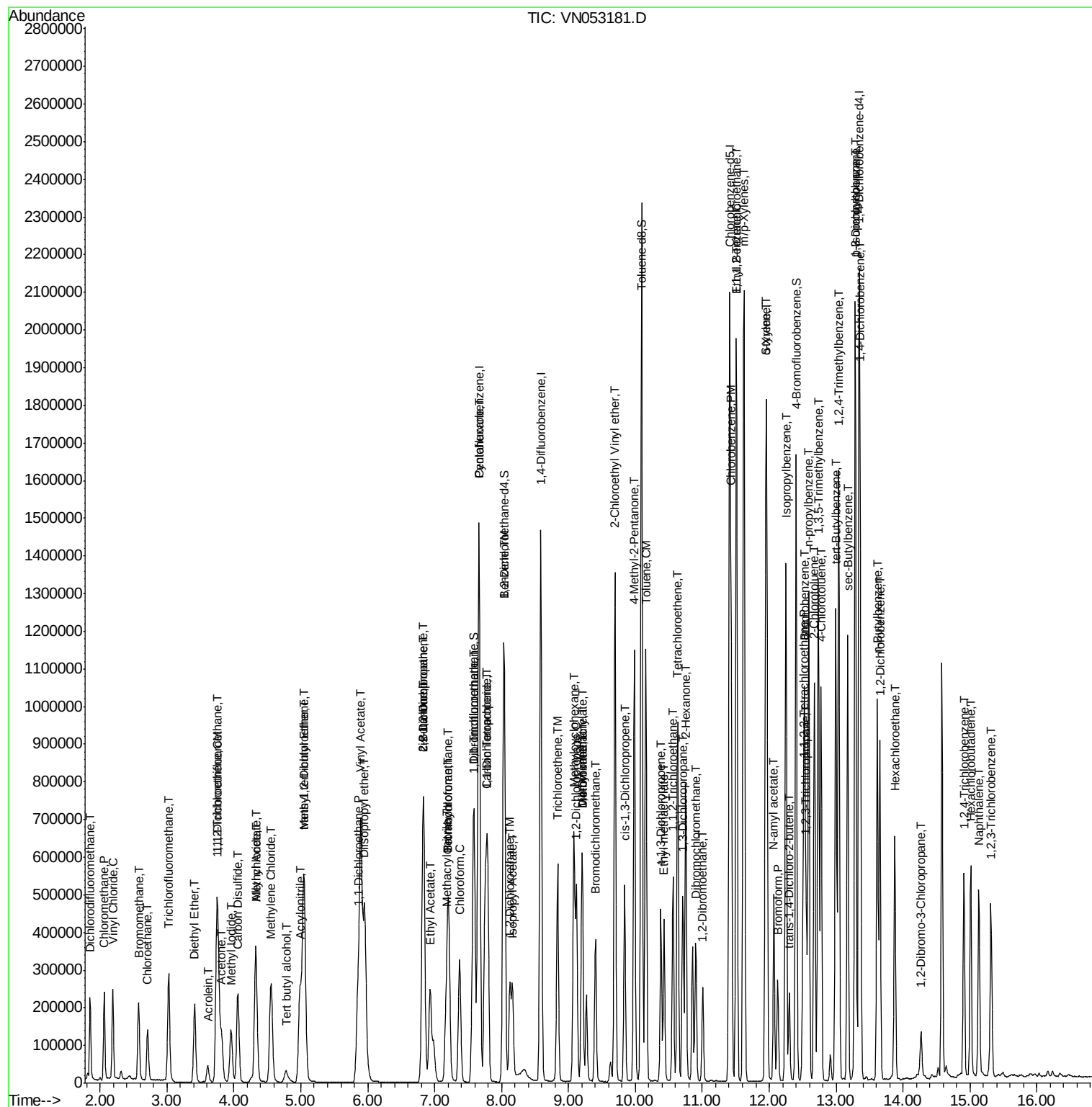
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190866	19.257	ug/l	99
94) Hexachlorobutadiene	15.01	225	119690	21.221	ug/l	99
95) Naphthalene	15.13	128	433160	20.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	172579	19.279	ug/l	99

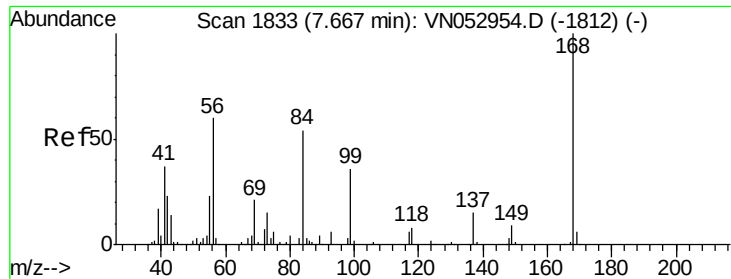
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053181.D
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

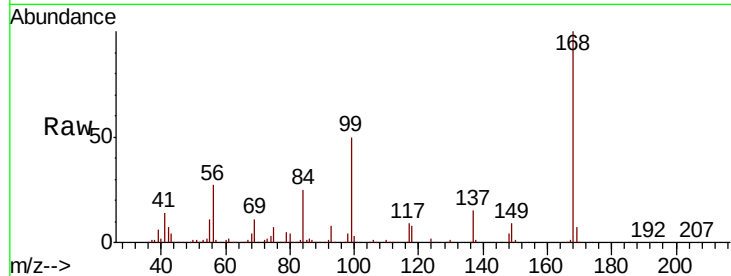
Instrument :
MSVOA_N
ClientSampled :
VN1224WBS01

Tot Ion:168 Resp: 901523

Ion Ratio Lower Upper

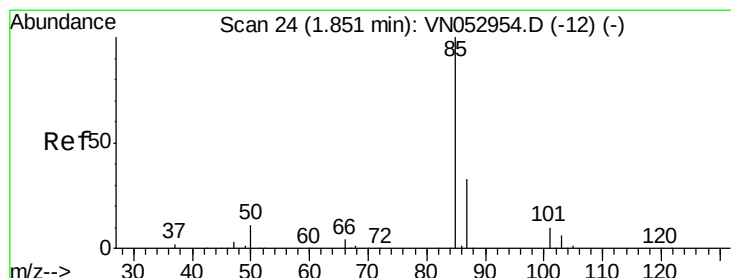
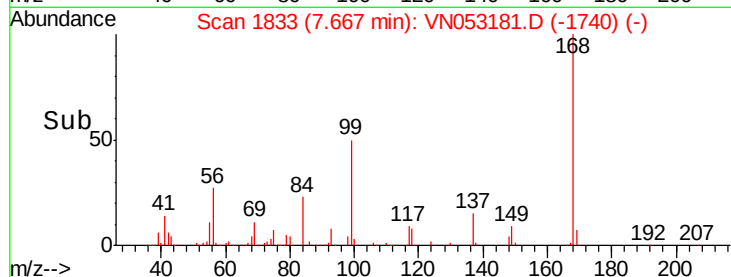
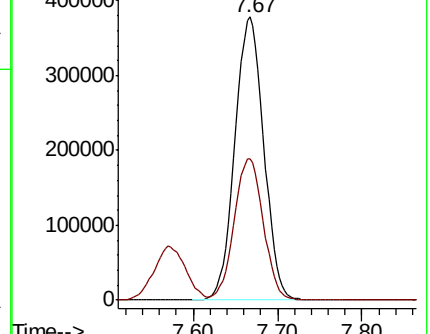
168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.894 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053181.D

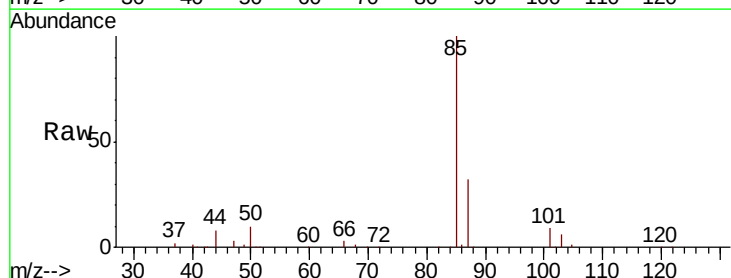
Acq: 24 Dec 2018 13:26

Tgt Ion: 85 Resp: 172393

Ion Ratio Lower Upper

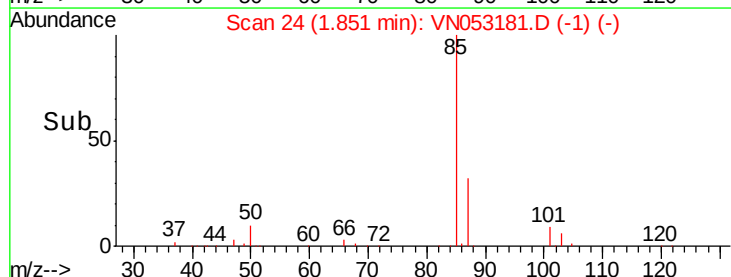
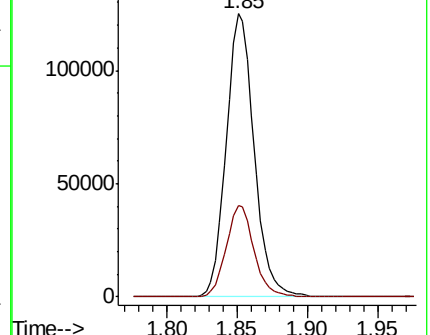
85 100

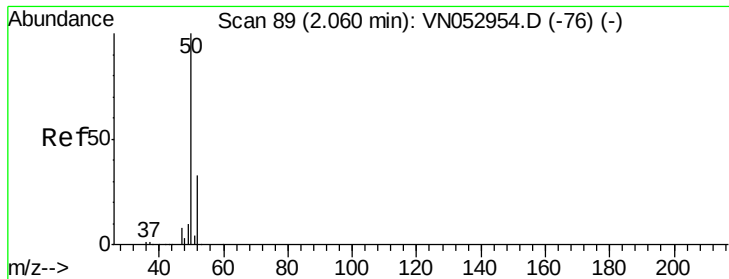
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.977 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

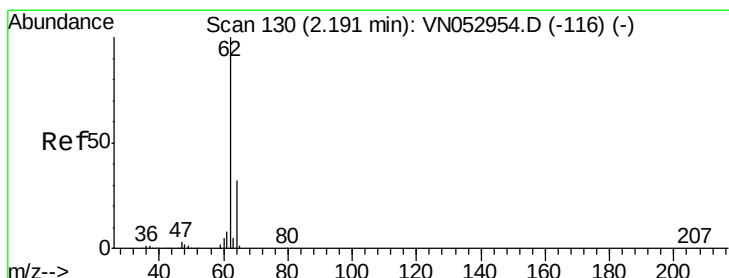
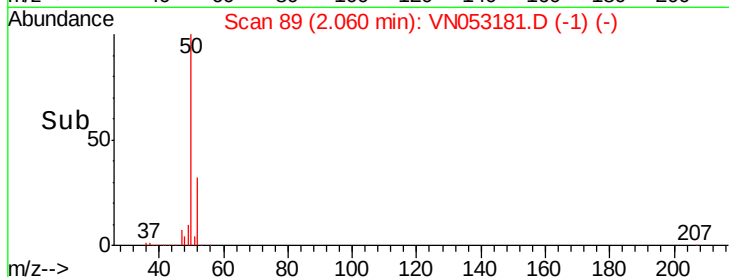
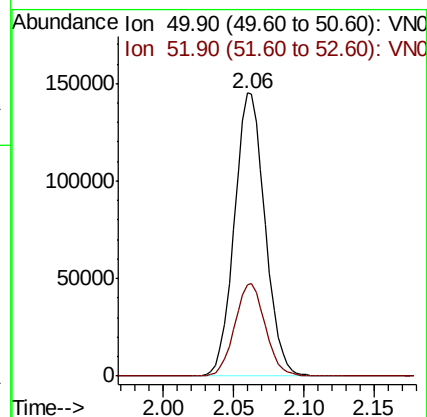
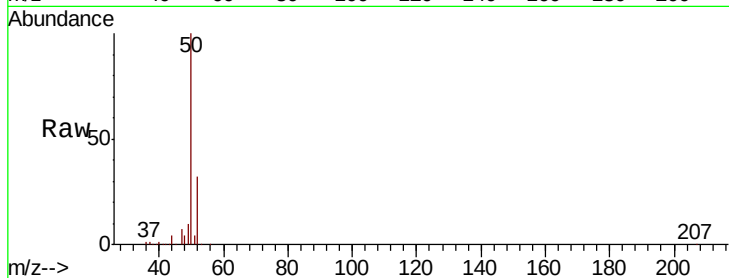
VN1224WBS01

Tot Ion: 50 Resp: 220879

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 19.836 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053181.D

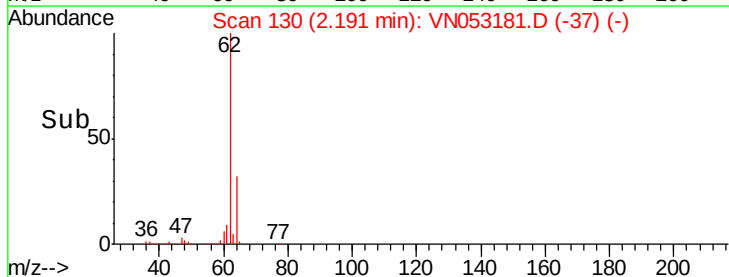
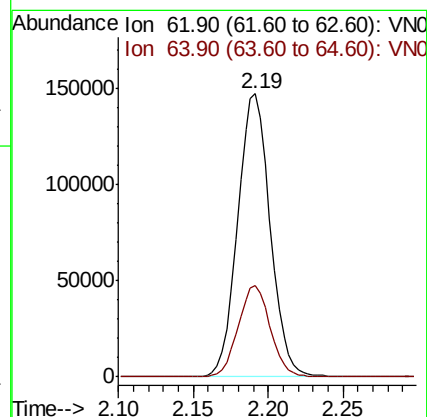
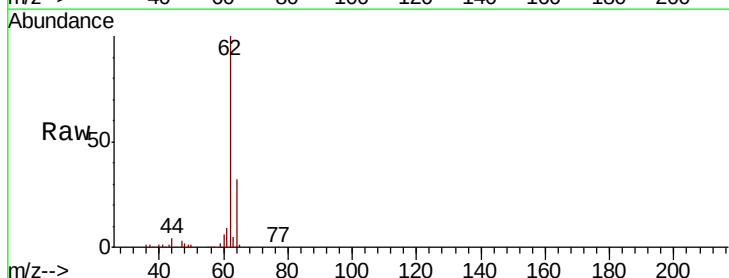
Acq: 24 Dec 2018 13:26

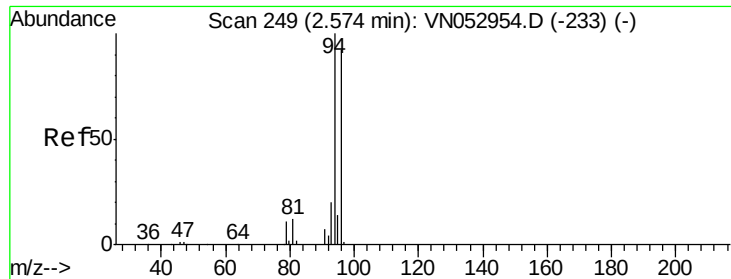
Tgt Ion: 62 Resp: 222115

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 18.492 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

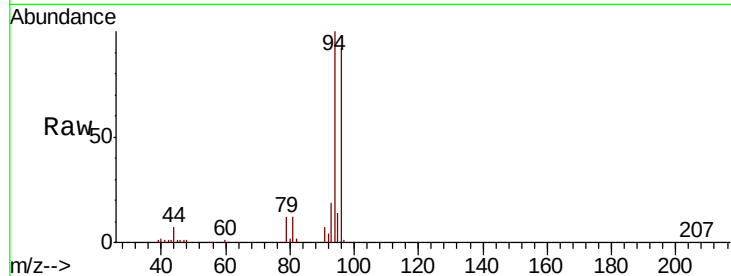
VN1224WBS01

Tot Ion: 94 Resp: 143465

Ion Ratio Lower Upper

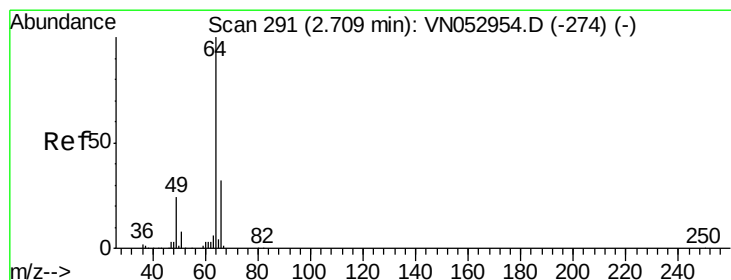
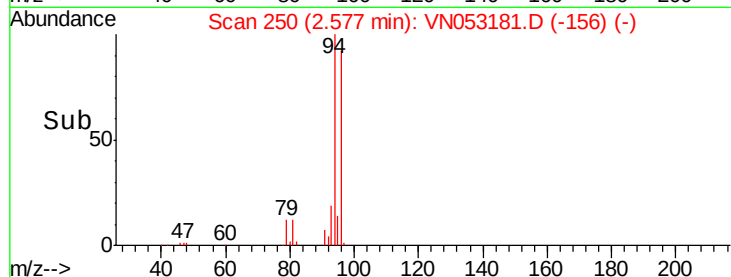
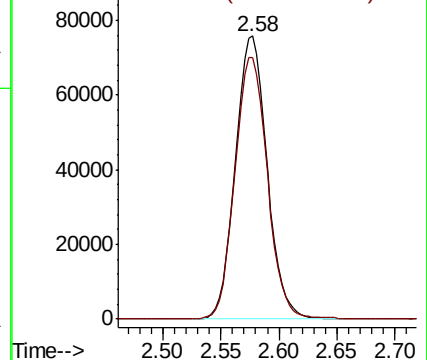
94 100

96 92.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.299 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053181.D

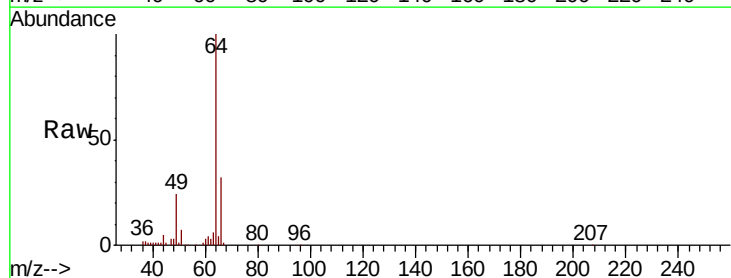
Acq: 24 Dec 2018 13:26

Tgt Ion: 64 Resp: 134619

Ion Ratio Lower Upper

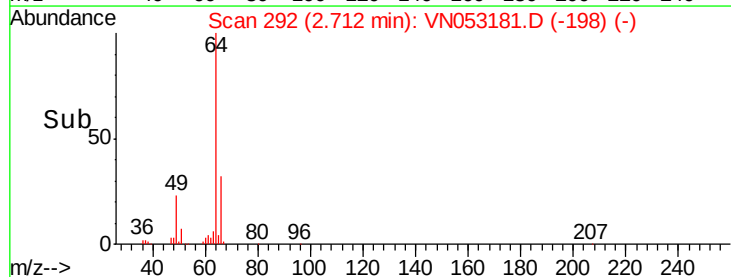
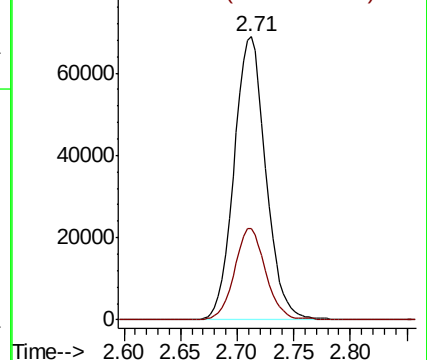
64 100

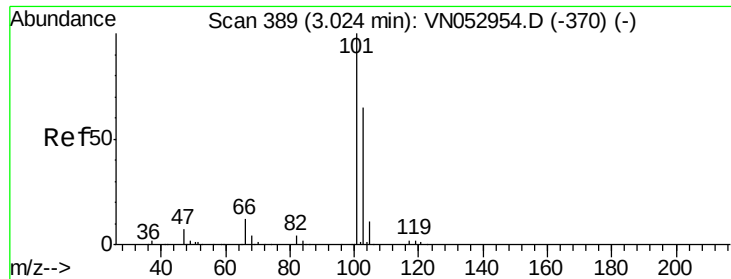
66 32.3 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



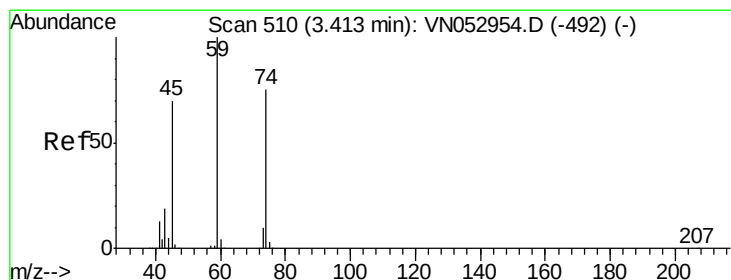
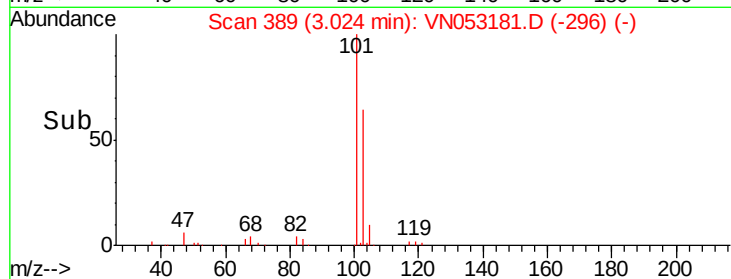
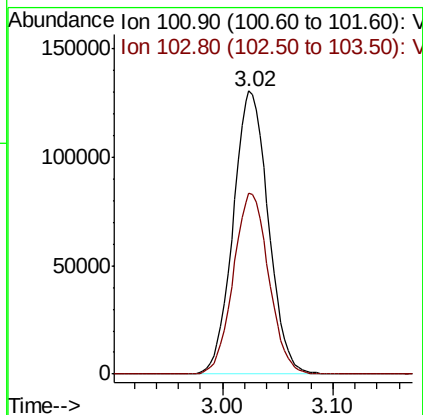
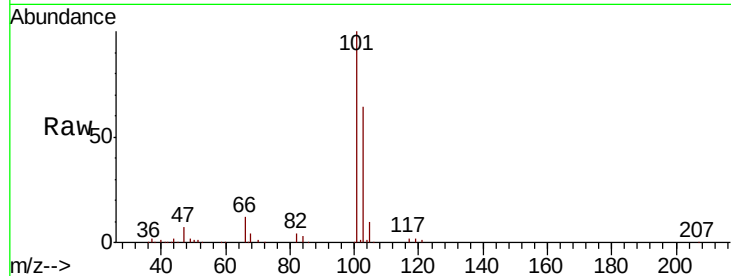


#7

Trichlorofluoromethane
 Concen: 20.649 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN1224WBS01

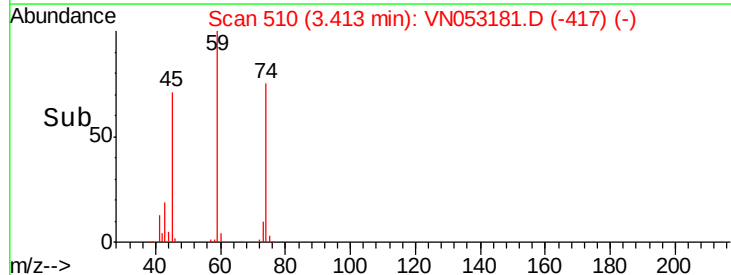
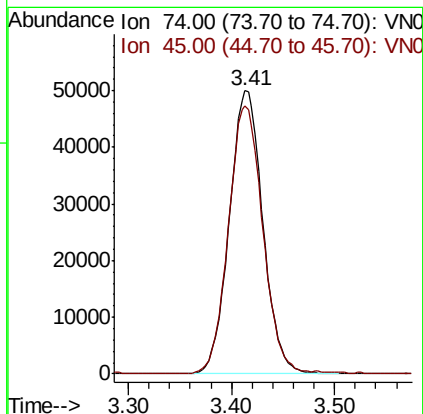
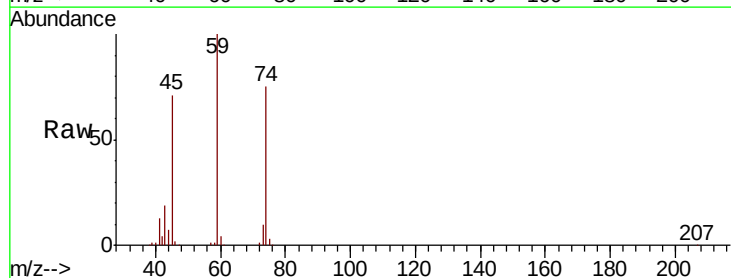
Tot Ion:101 Resp: 288044
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.8 77.6

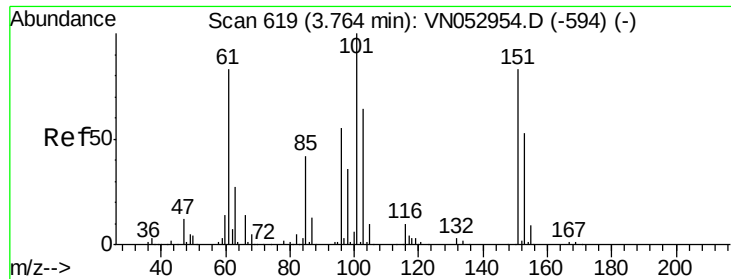


#8

Diethyl Ether
 Concen: 21.470 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 74 Resp: 112987
 Ion Ratio Lower Upper
 74 100
 45 97.1 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.480 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

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ClientSampleId :

VN1224WBS01

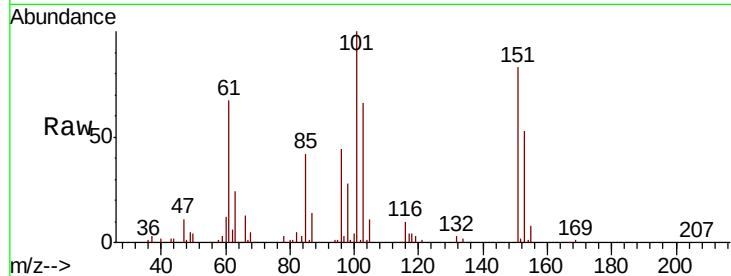
Tot Ion:101 Resp: 182150

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

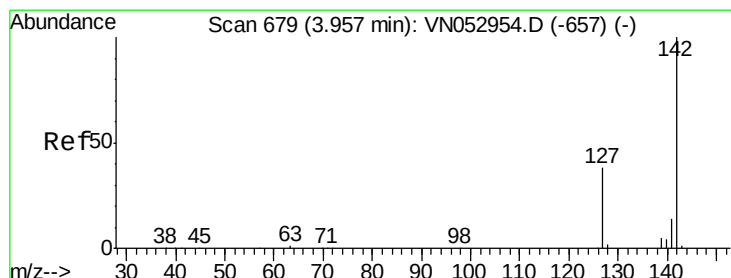
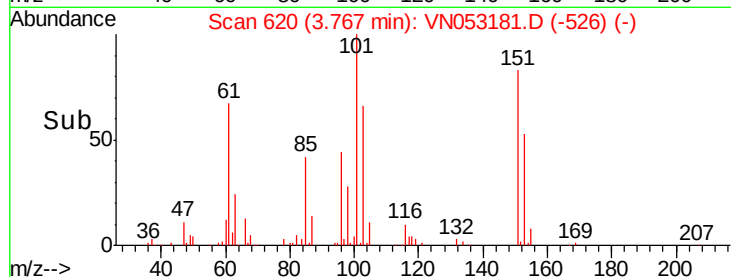
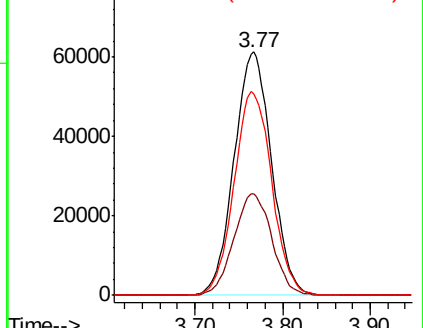
151 84.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.747 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

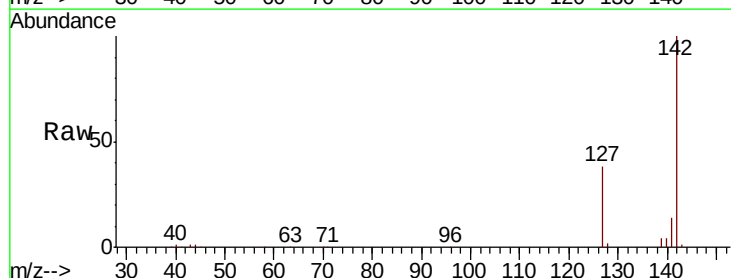
Tgt Ion:142 Resp: 234159

Ion Ratio Lower Upper

142 100

127 37.5 31.0 46.6

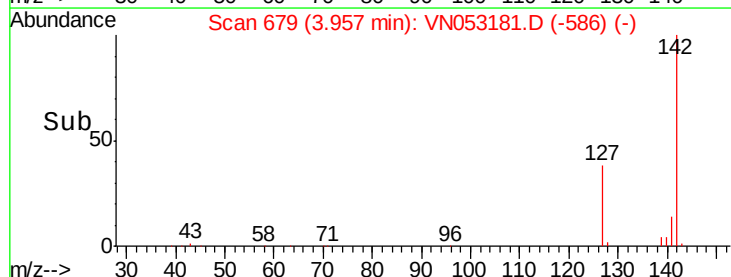
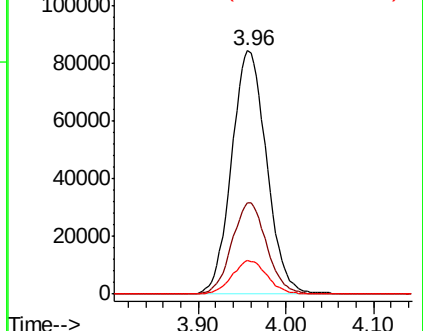
141 13.7 11.2 16.8

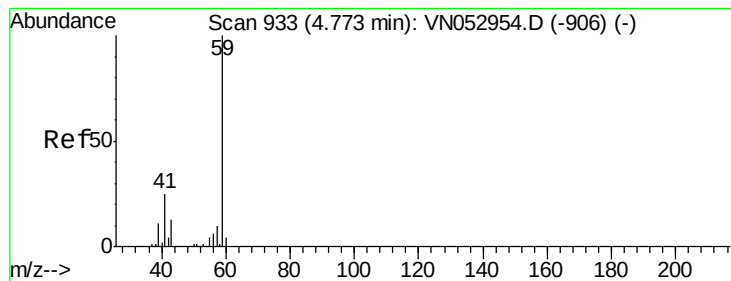


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 104.618 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

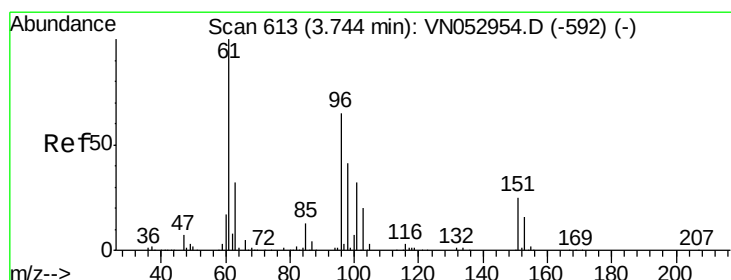
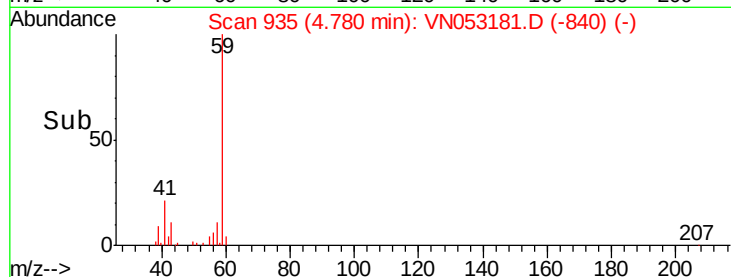
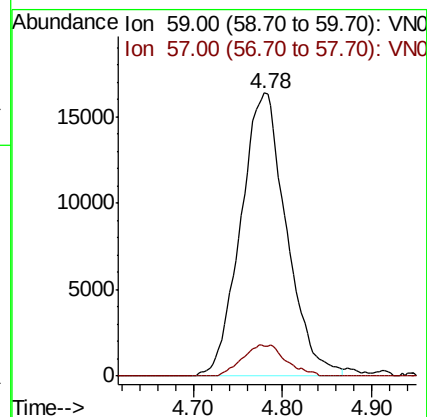
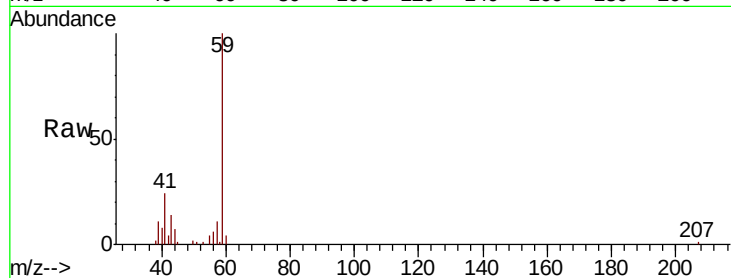
VN1224WBS01

Tot Ion: 59 Resp: 58400

Ion Ratio Lower Upper

59 100

57 5.6 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 20.603 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

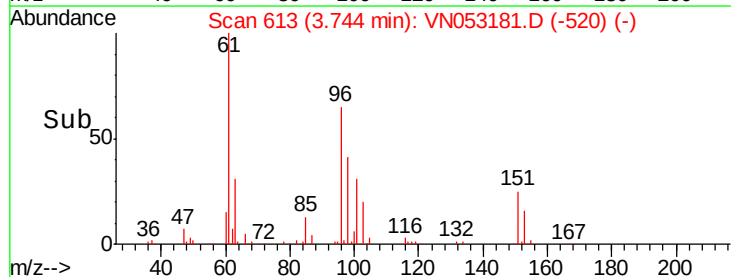
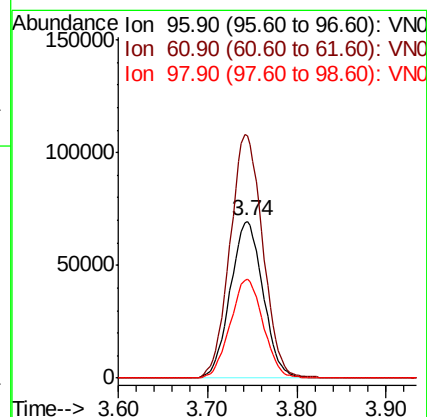
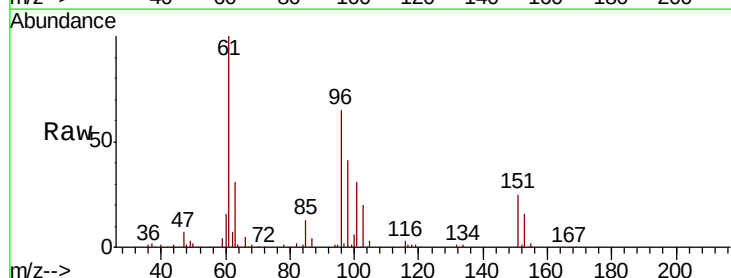
Tgt Ion: 96 Resp: 177036

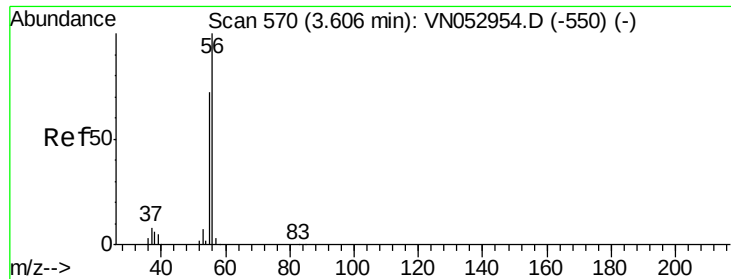
Ion Ratio Lower Upper

96 100

61 154.1 125.6 188.4

98 63.2 50.6 75.8

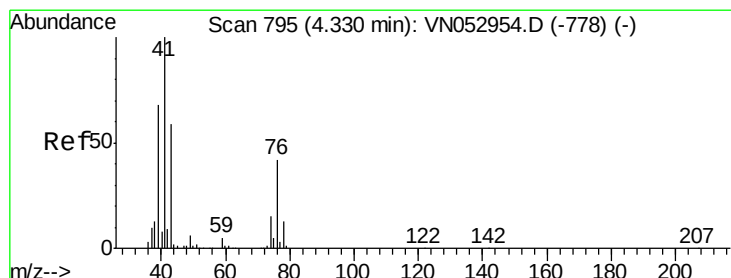
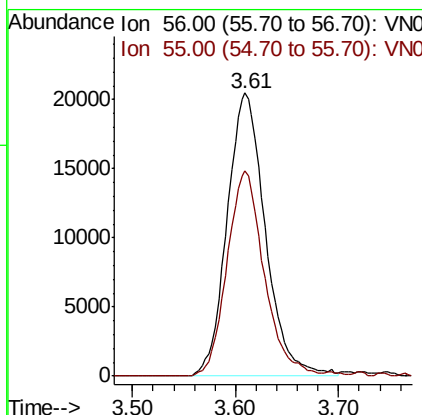
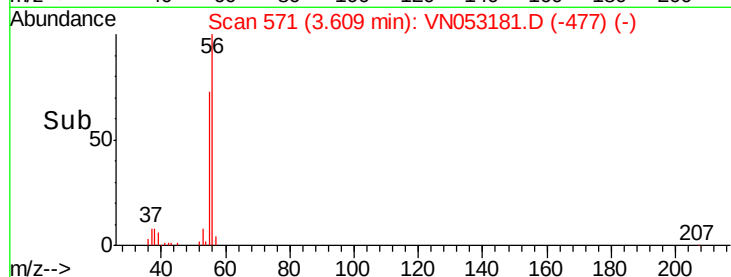
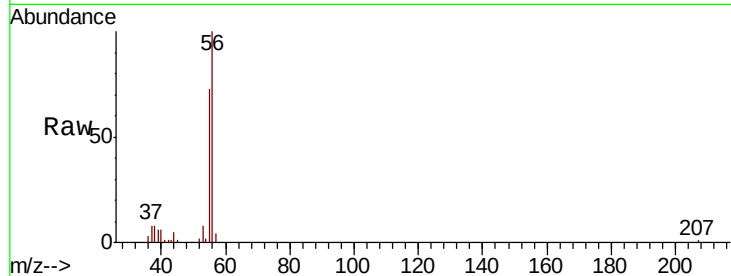




#13
Acrolein
Concen: 104.603 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

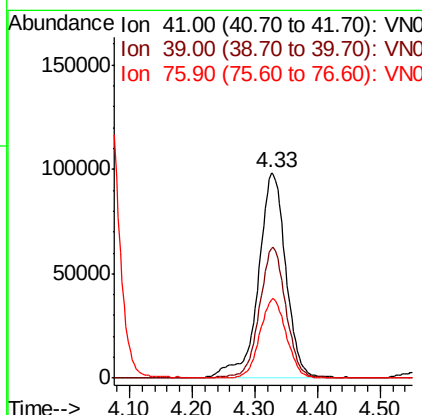
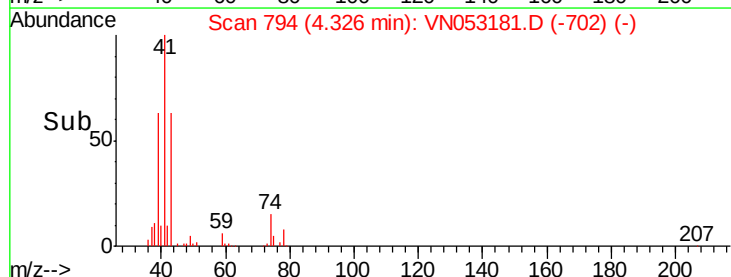
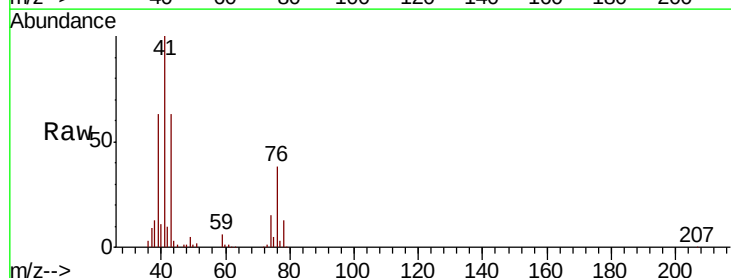
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

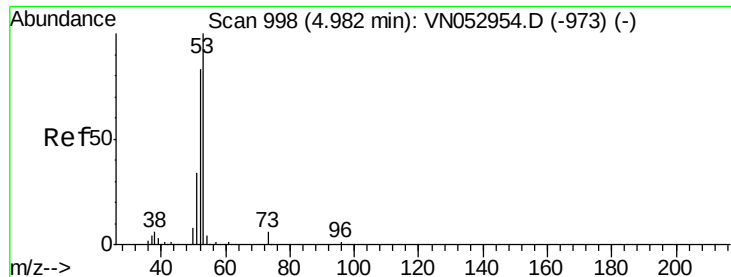
Tot Ion: 56 Resp: 52946
Ion Ratio Lower Upper
56 100
55 70.1 56.6 85.0



#14
Allyl chloride
Concen: 22.661 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 41 Resp: 301608
Ion Ratio Lower Upper
41 100
39 61.2 54.1 81.1
76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 105.649 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

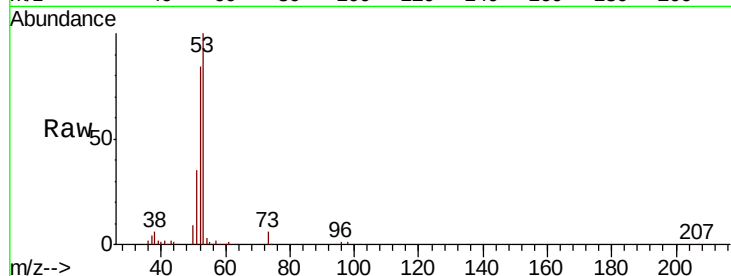
Tot Ion: 53 Resp: 327639

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

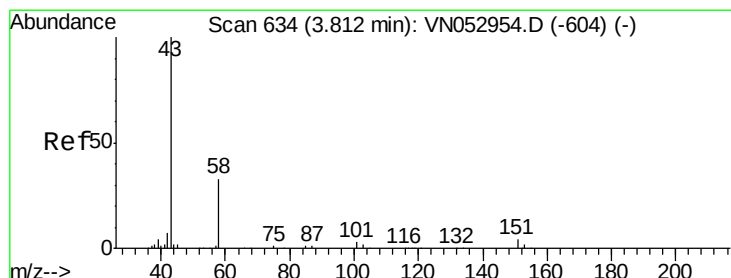
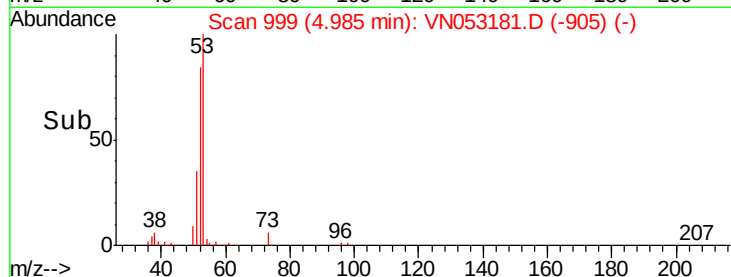
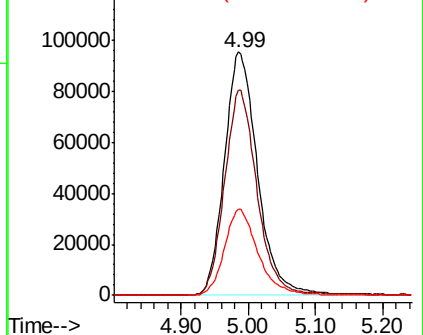
51 35.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053181.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053181.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053181.D (-905) (-)



#16

Acetone

Concen: 112.242 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053181.D

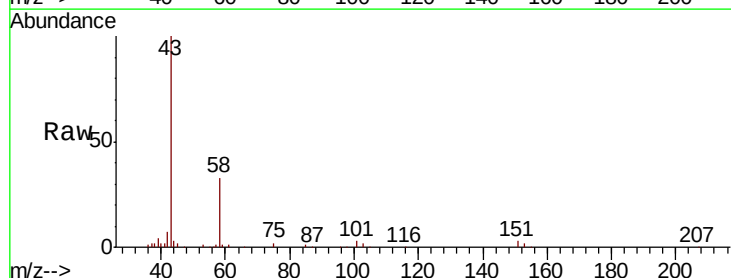
Acq: 24 Dec 2018 13:26

Tgt Ion: 43 Resp: 201338

Ion Ratio Lower Upper

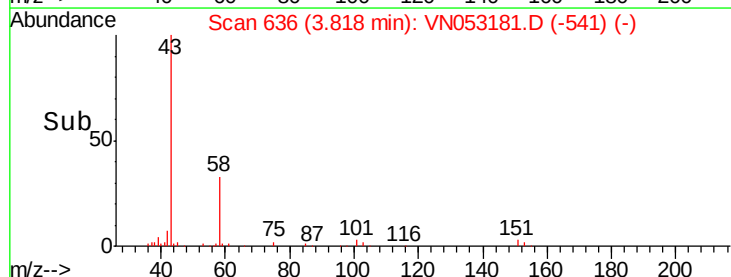
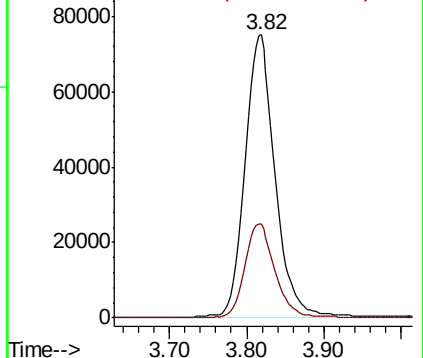
43 100

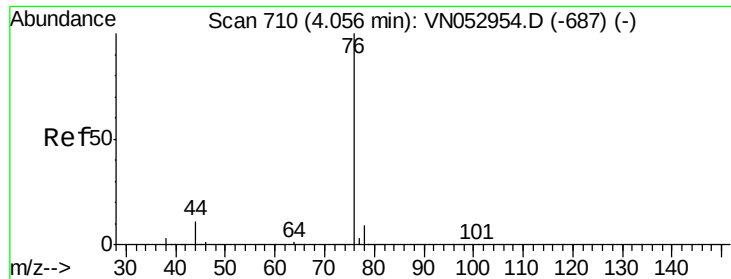
58 33.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053181.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053181.D (-541) (-)

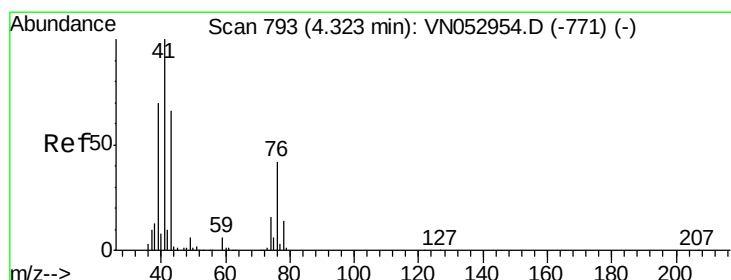
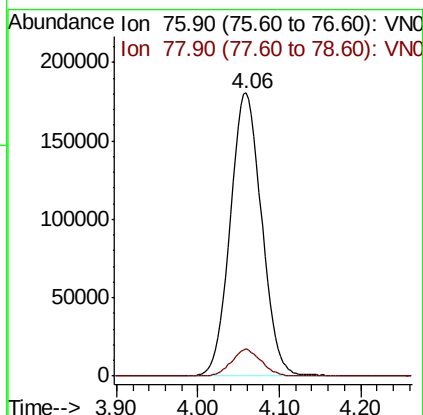
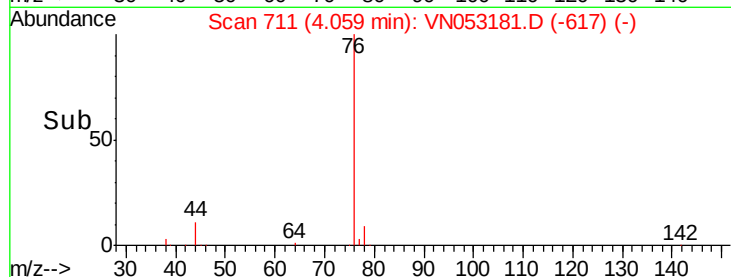
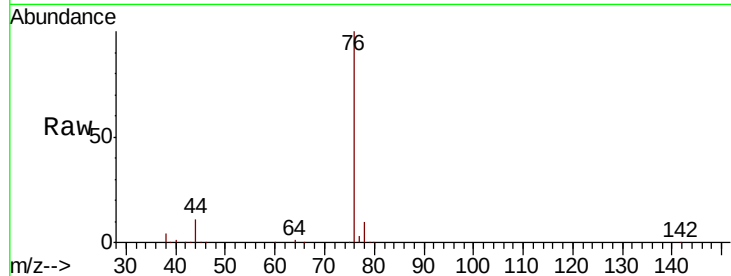




#17
Carbon Disulfide
Concen: 17.321 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

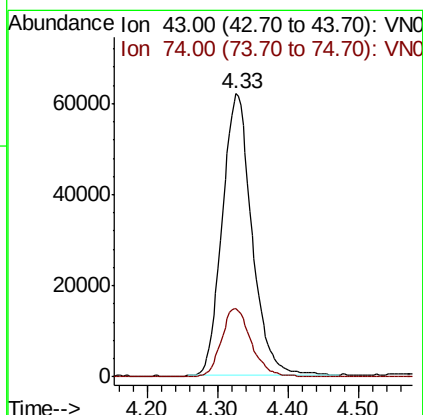
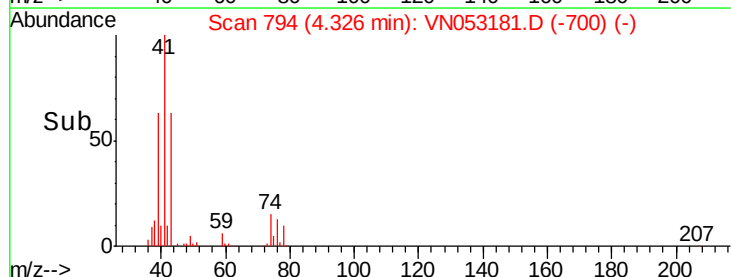
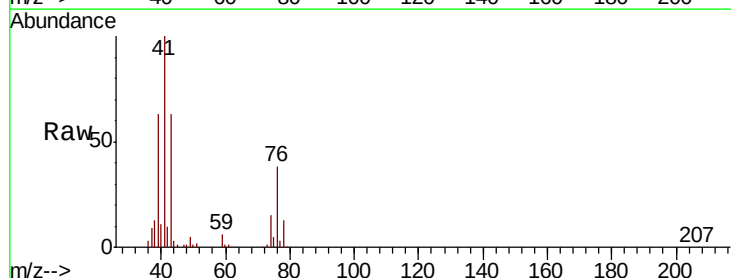
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

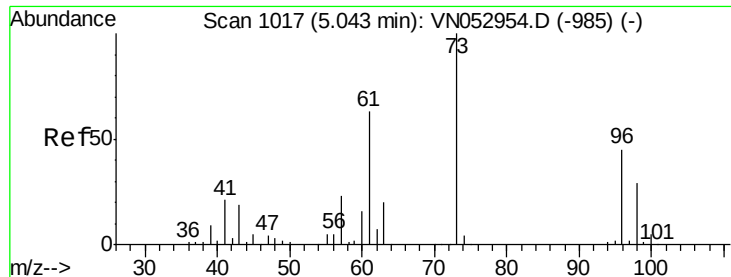
Tot Ion: 76 Resp: 485385
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 22.919 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 43 Resp: 182131
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8



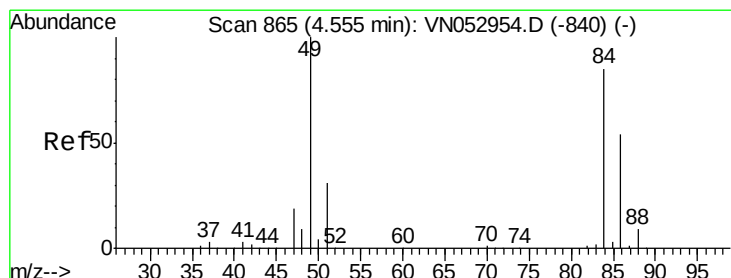
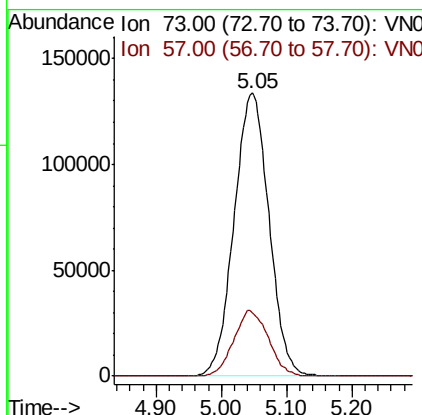
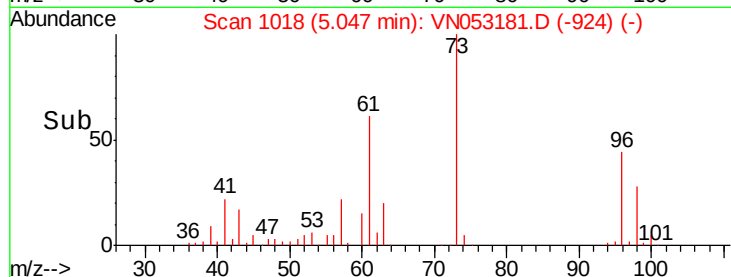
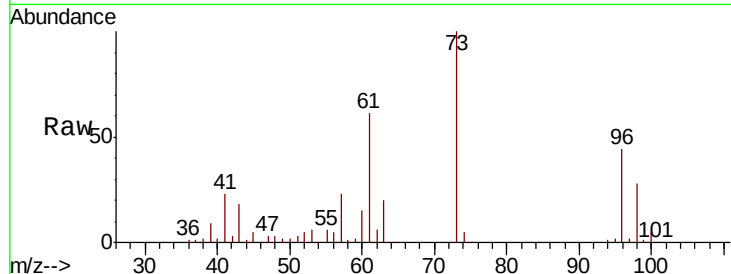


#19

Methyl tert-butyl Ether
 Concen: 21.577 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

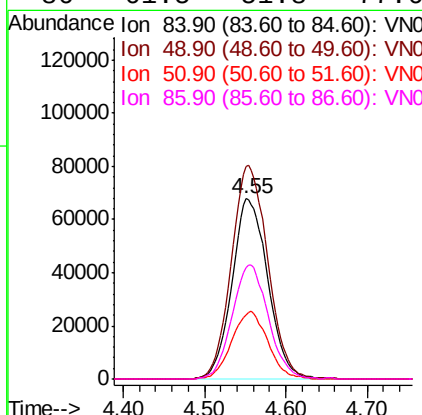
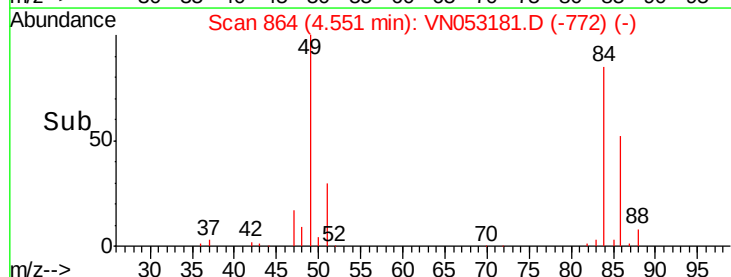
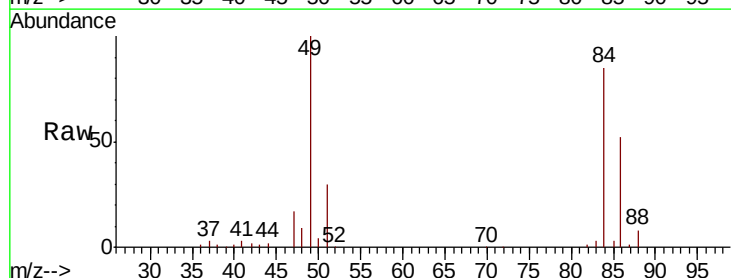
Tot Ion: 73 Resp: 496148
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.4 27.6

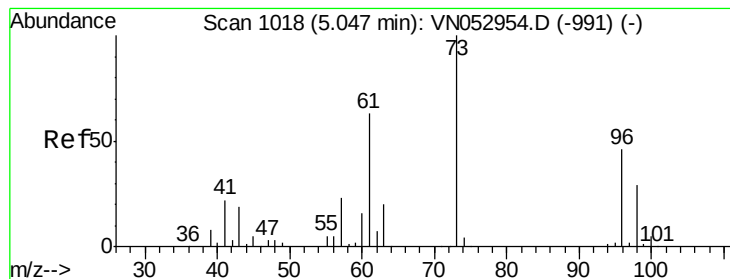


#20

Methylene Chloride
 Concen: 21.180 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 84 Resp: 207247
 Ion Ratio Lower Upper
 84 100
 49 118.0 96.8 145.2
 51 35.8 29.9 44.9
 86 61.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.494 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampled :

VN1224WBS01

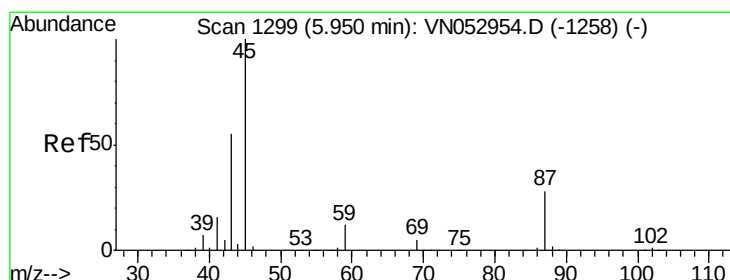
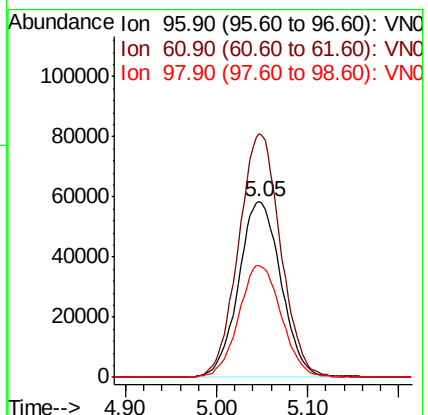
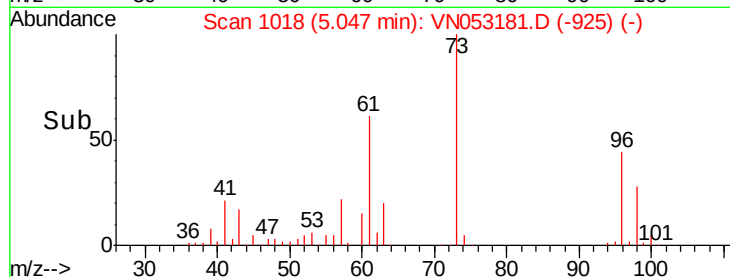
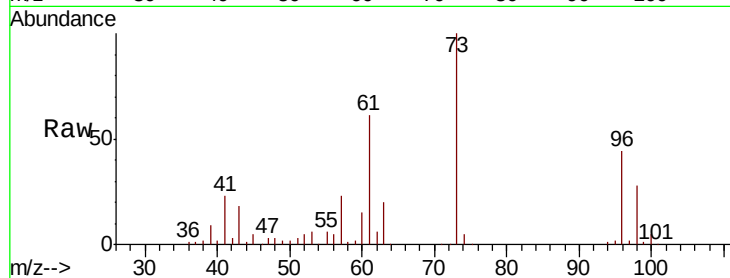
Tot Ion: 96 Resp: 189203

Ion Ratio Lower Upper

96 100

61 138.7 110.8 166.2

98 63.9 51.4 77.2



#22

Diisopropyl ether

Concen: 22.684 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion: 45 Resp: 644458

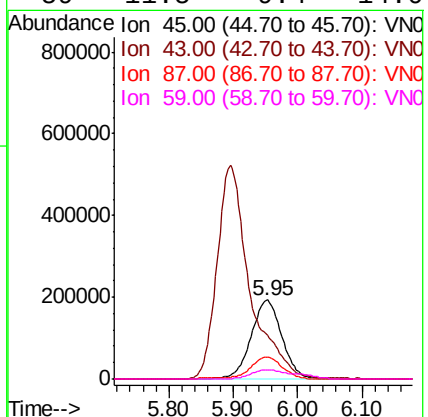
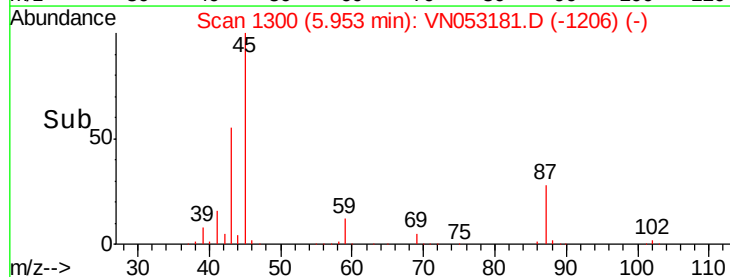
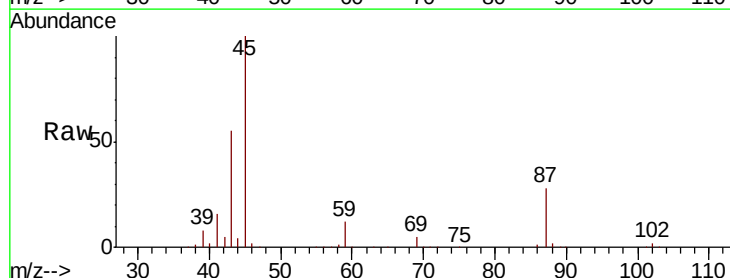
Ion Ratio Lower Upper

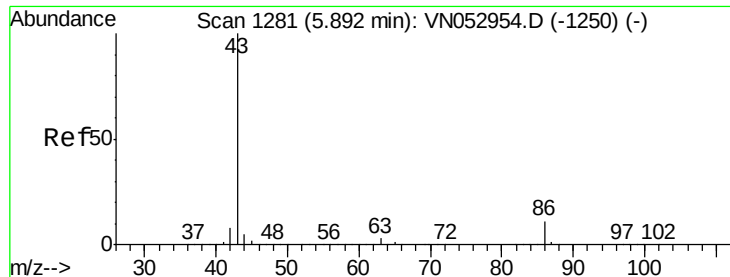
45 100

43 54.8 45.5 68.3

87 27.8 22.0 33.0

59 11.5 9.4 14.0





#23

Vinyl Acetate

Concen: 113.071 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

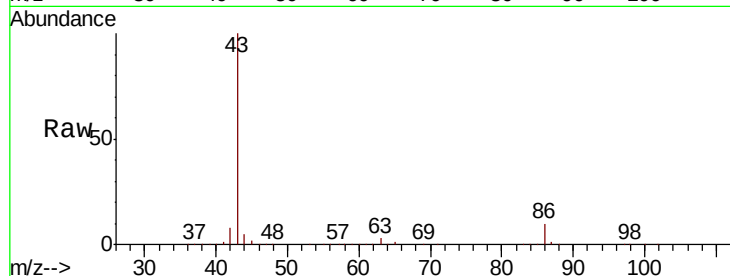
VN1224WBS01

Tot Ion: 43 Resp: 1847201

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053181.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053181.D (-1188) (-)

5.90

600000

500000

400000

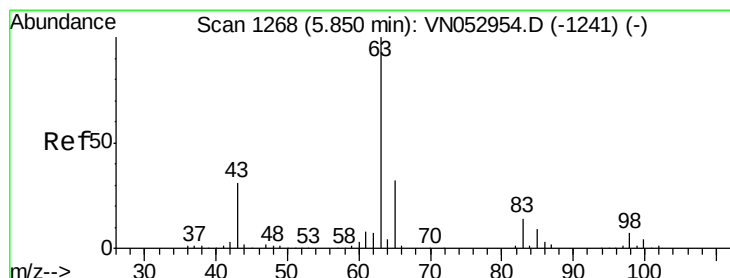
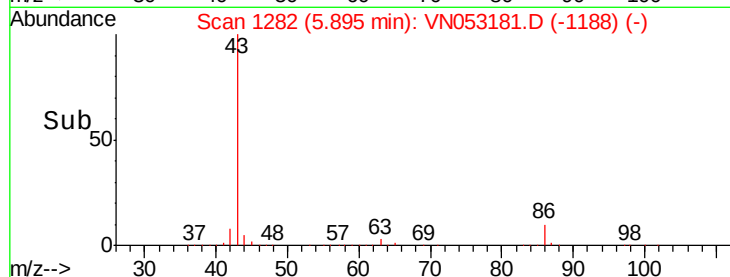
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.613 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

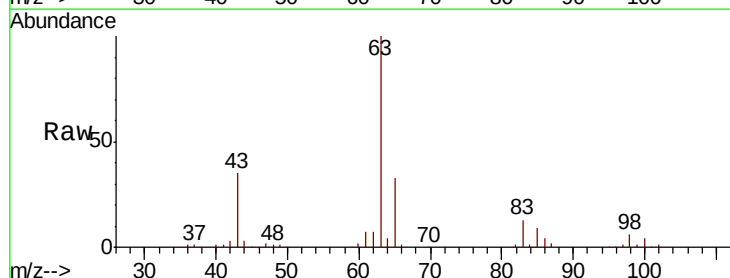
Tgt Ion: 63 Resp: 364874

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053181.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053181.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053181.D (-1175) (-)

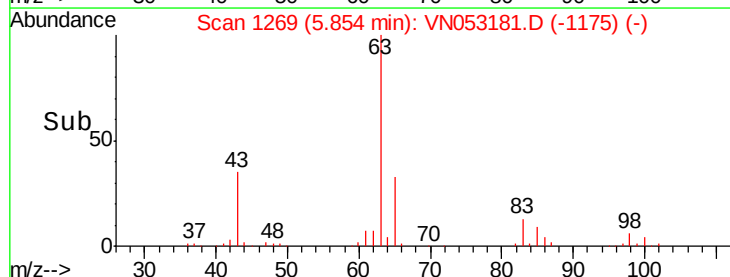
150000

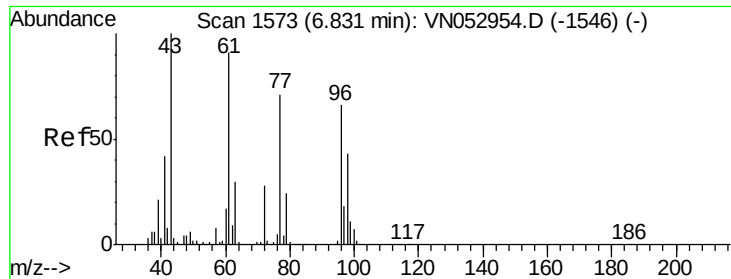
100000

50000

0

Time-->





#25

2-Butanone

Concen: 113.641 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

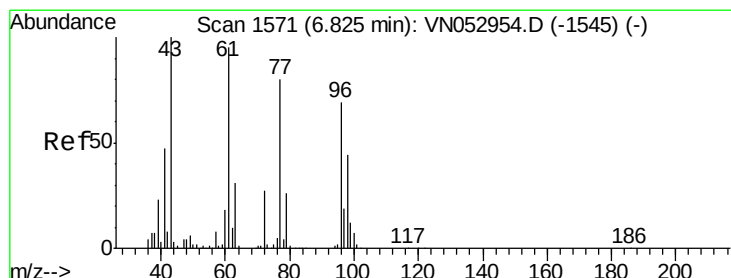
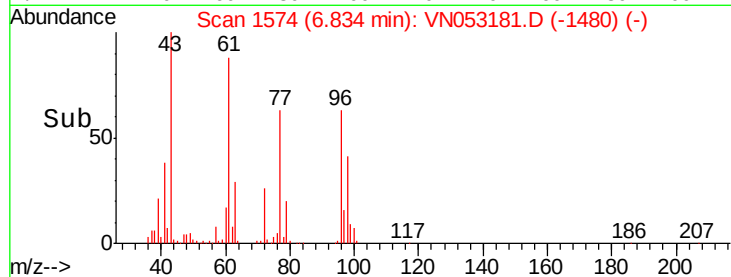
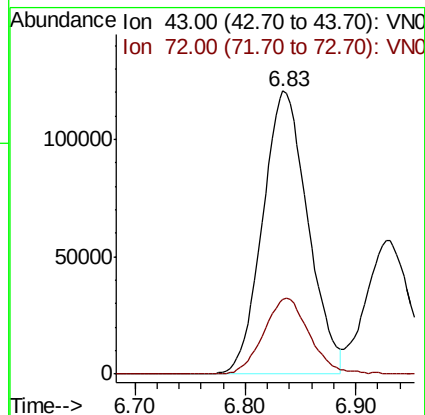
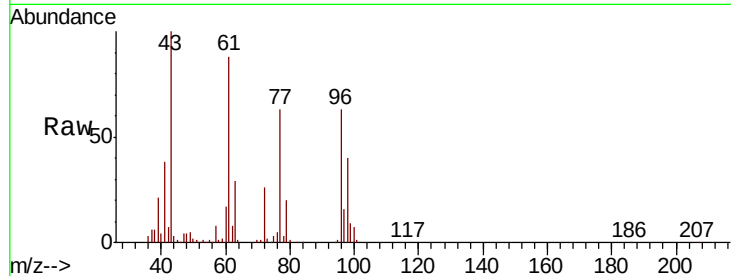
VN1224WBS01

Tot Ion: 43 Resp: 342105

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 19.715 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053181.D

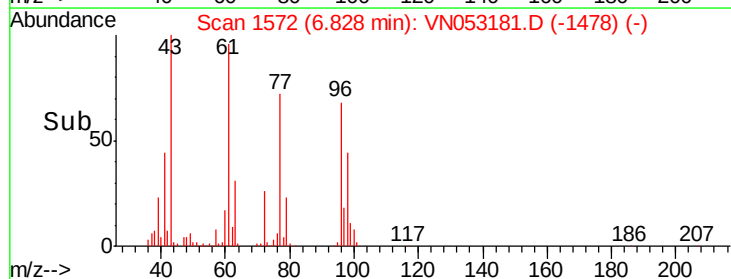
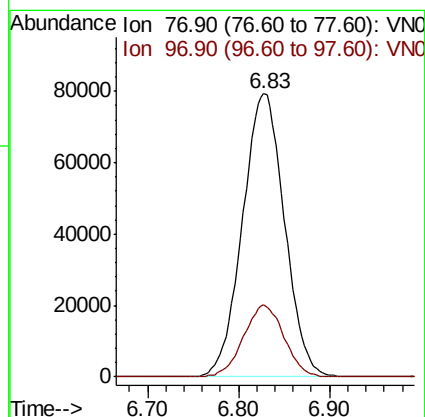
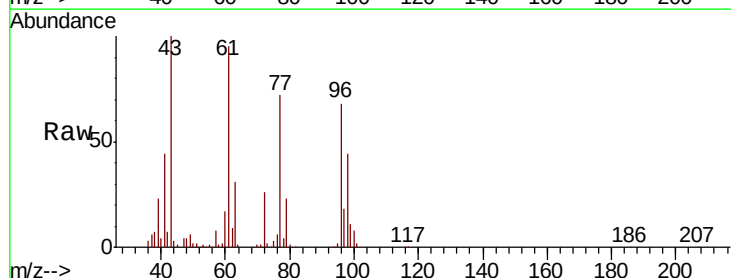
Acq: 24 Dec 2018 13:26

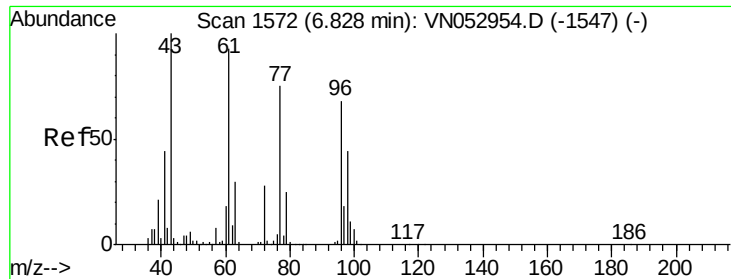
Tgt Ion: 77 Resp: 254073

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.473 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

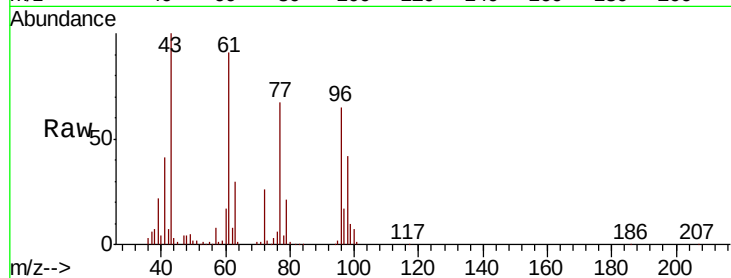
Tot Ion: 96 Resp: 224433

Ion Ratio Lower Upper

96 100

61 140.2 0.0 284.2

98 64.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053181.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053181.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053181.D (-1479) (-)

150000

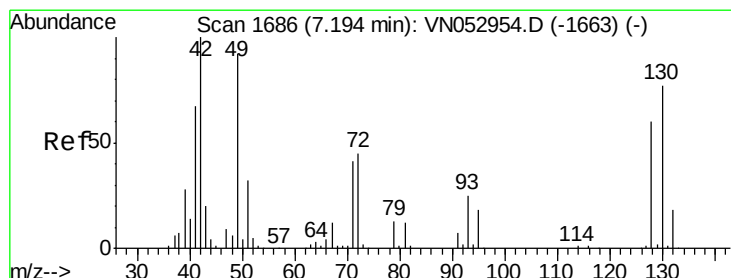
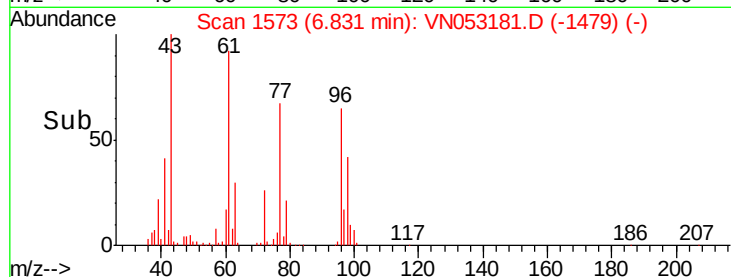
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 22.245 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

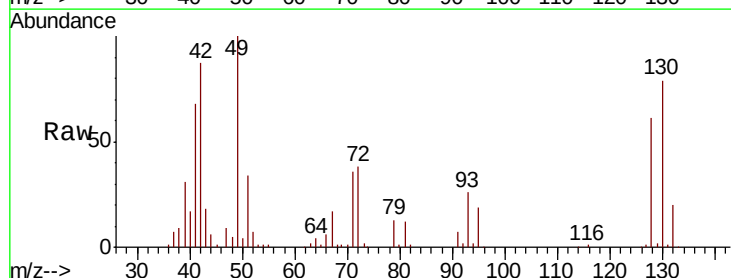
Tgt Ion: 49 Resp: 162727

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 80.8 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN053181.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053181.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053181.D (-1593) (-)

80000

60000

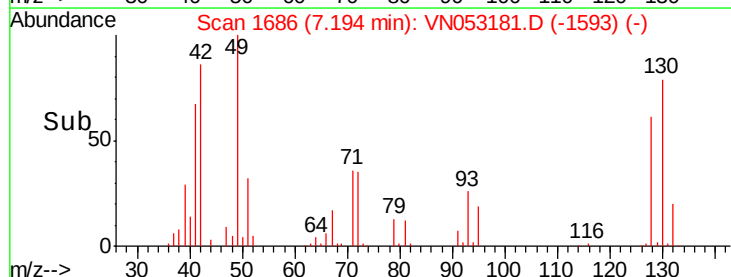
40000

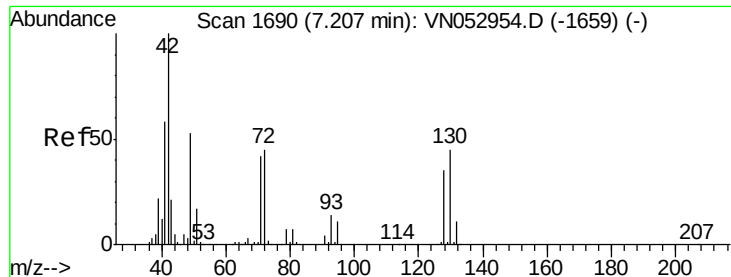
20000

0

7.10 7.20 7.30

Time-->

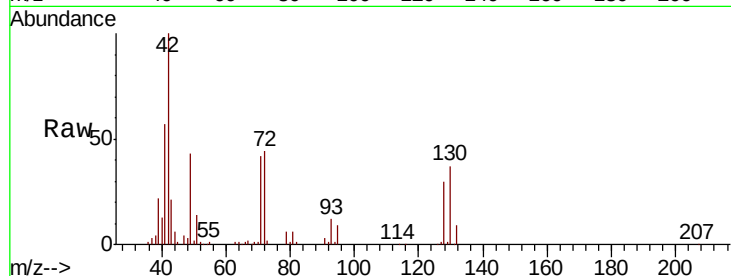




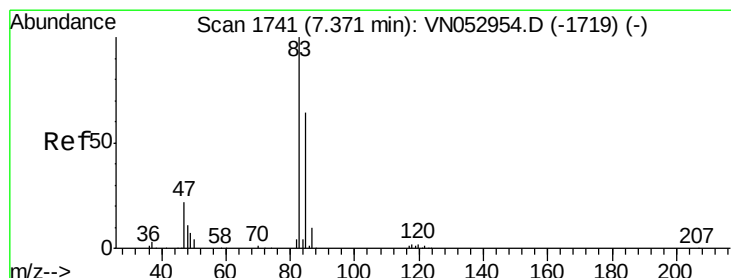
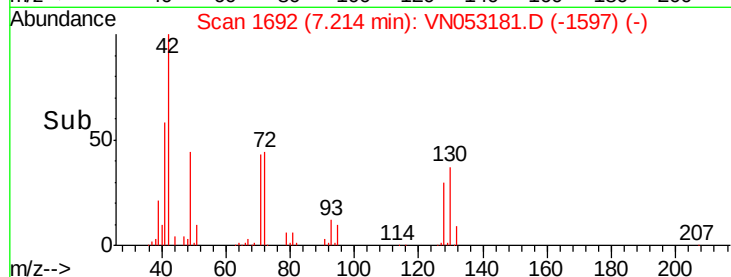
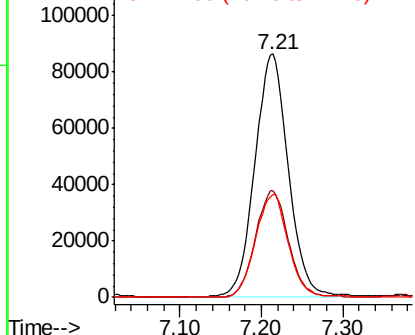
#29
Tetrahydrofuran
Concen: 109.678 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 42 Resp: 246597
Ion Ratio Lower Upper
42 100
72 43.0 34.7 52.1
71 41.4 32.3 48.5

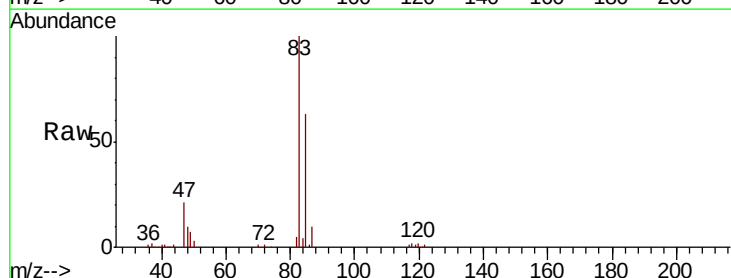


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

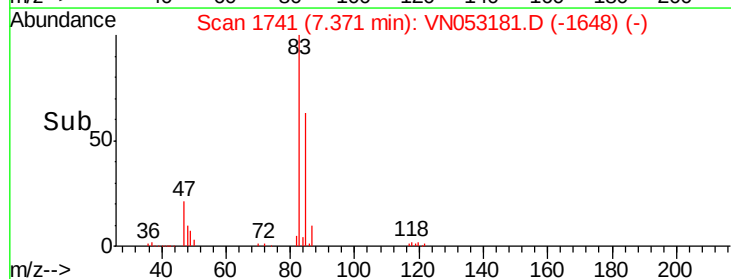
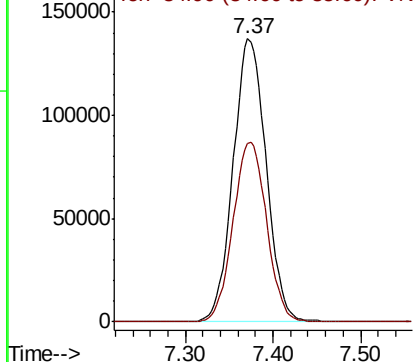


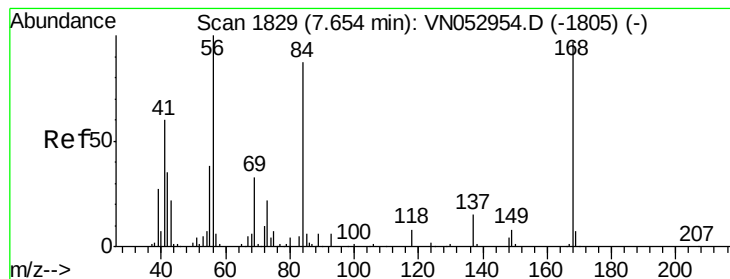
#30
Chloroform
Concen: 21.668 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 83 Resp: 359336
Ion Ratio Lower Upper
83 100
85 62.8 52.1 78.1



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





#31

Cyclohexane

Concen: 20.547 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampled :

VN1224WBS01

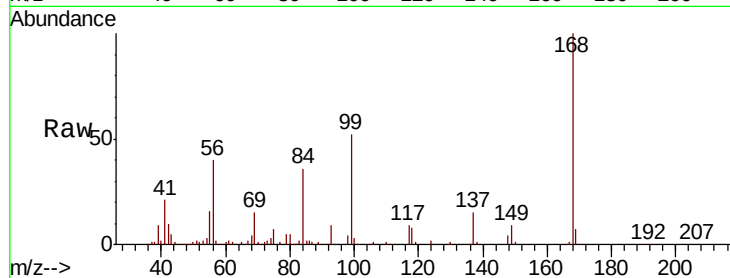
Tot Ion: 56 Resp: 335129

Ion Ratio Lower Upper

56 100

69 38.3 26.6 39.8

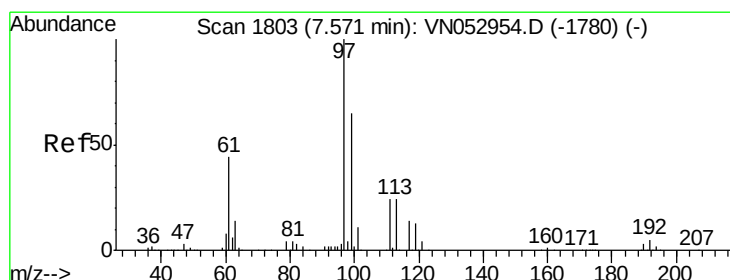
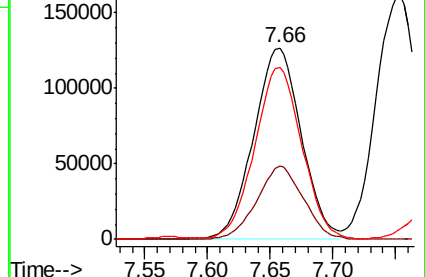
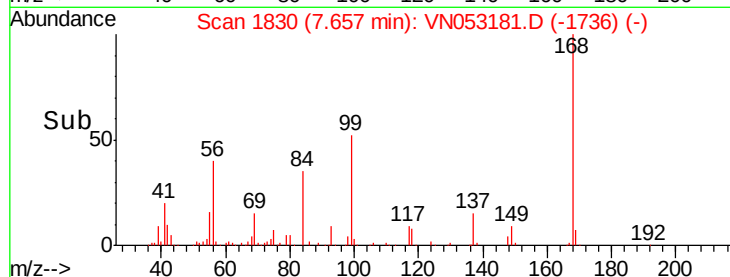
84 88.9 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053181.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053181.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053181.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.951 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

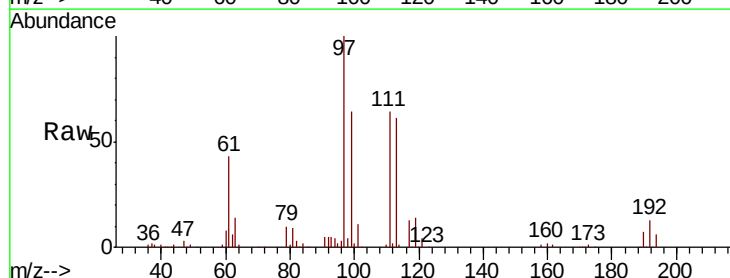
Tgt Ion: 97 Resp: 295984

Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

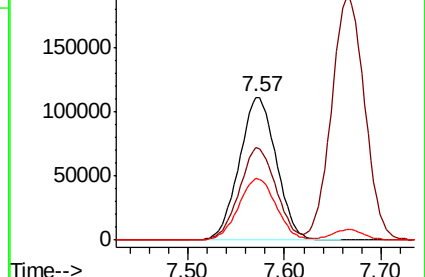
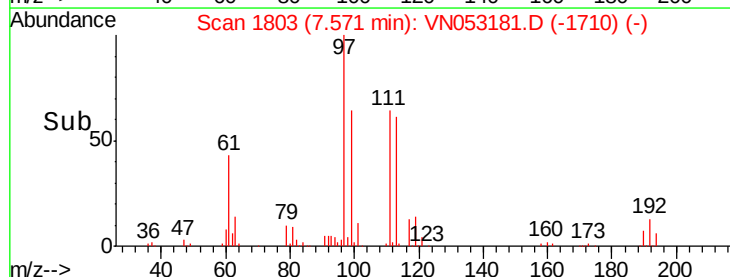
61 43.7 35.0 52.6

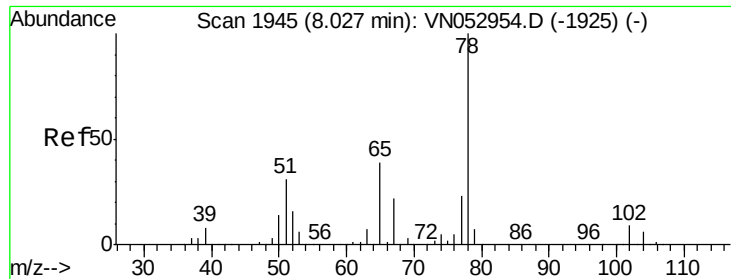


Abundance Ion 96.90 (96.60 to 97.60): VN053181.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053181.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053181.D (-1710) (-)

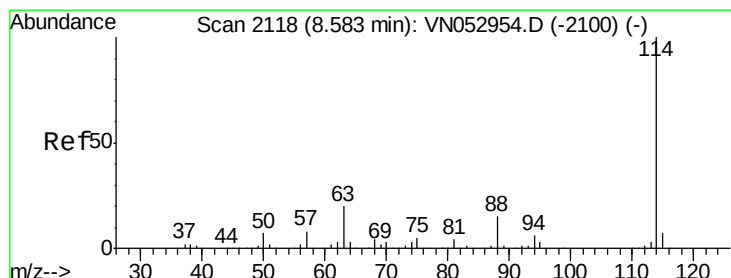
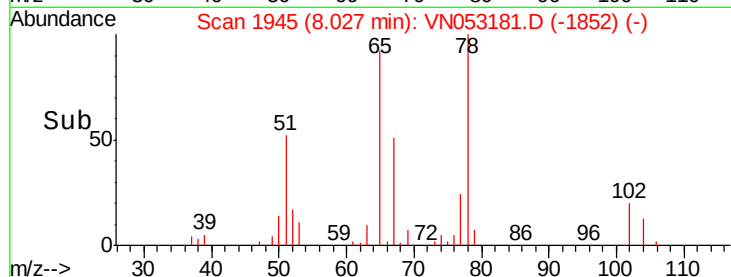
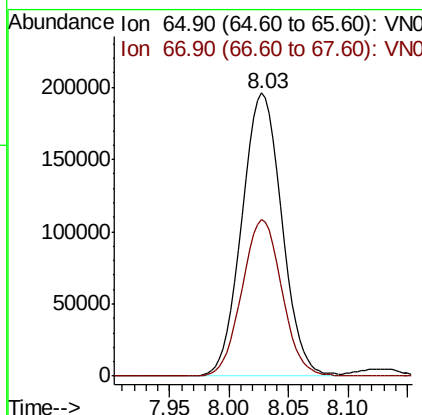
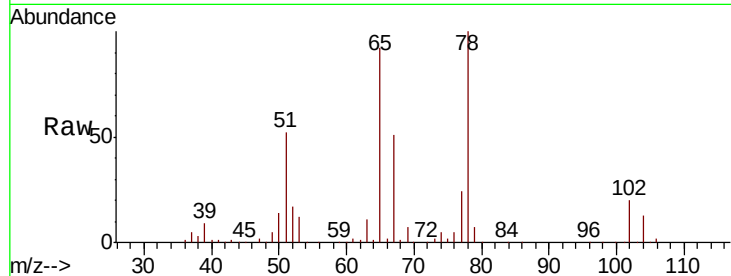




#33
 1,2-Dichloroethane-d4
 Concen: 20.951 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

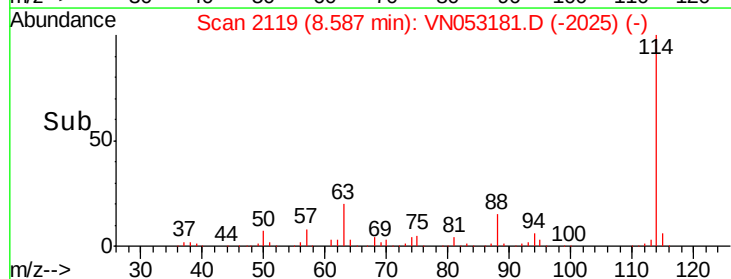
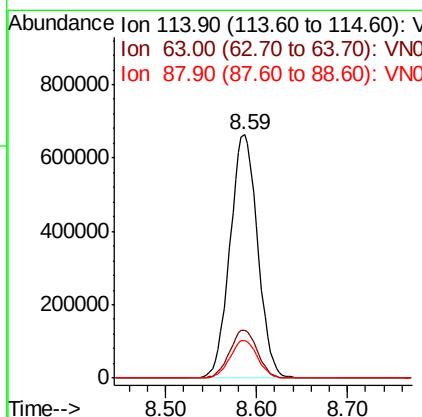
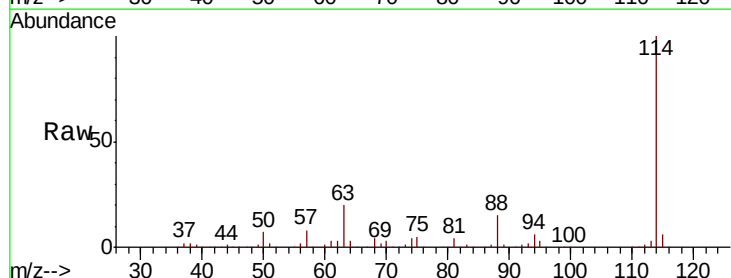
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

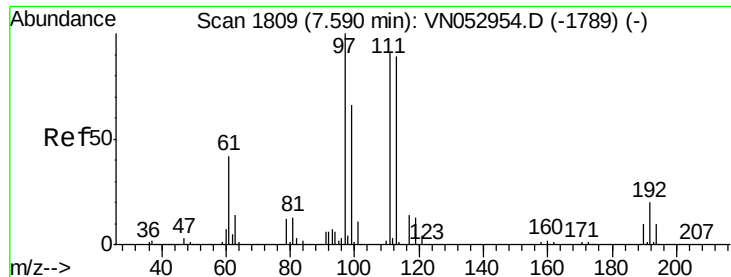
Tot Ion: 65 Resp: 458099
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion:114 Resp: 1395111
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.3 0.0 31.0

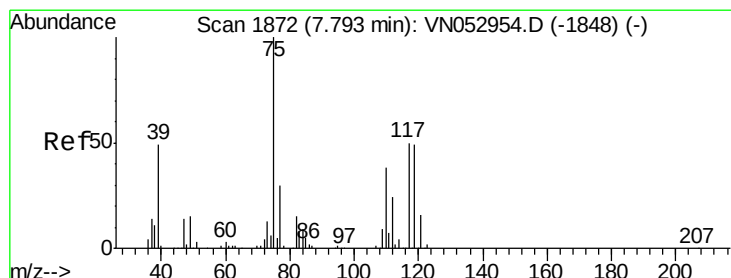
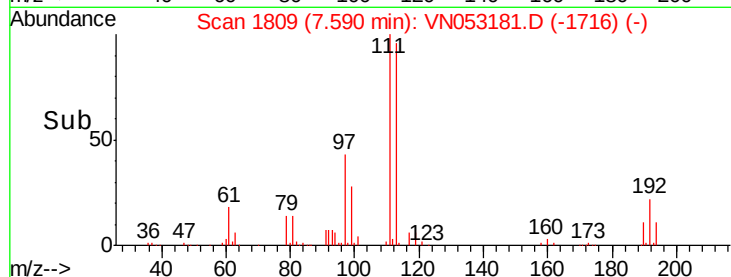
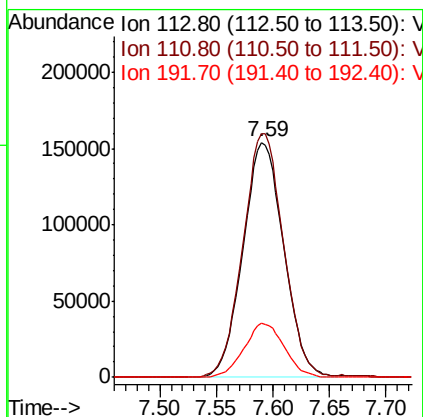
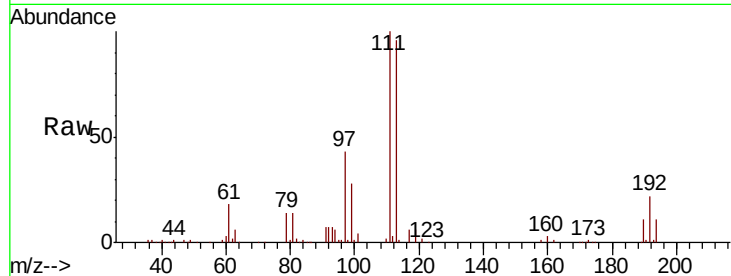




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

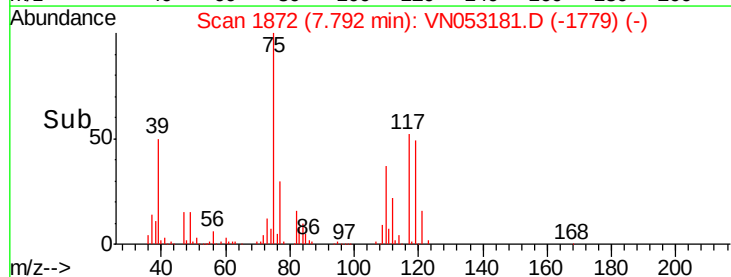
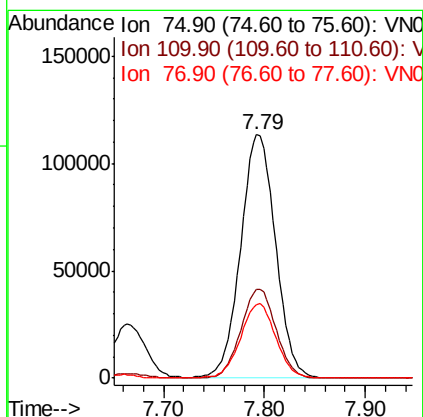
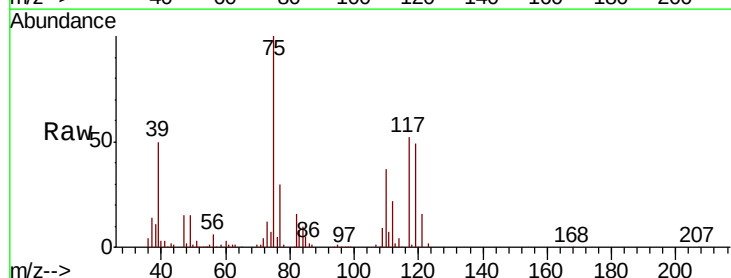
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

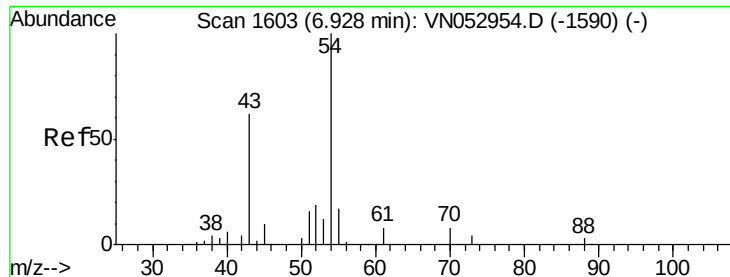
Tot Ion:113 Resp: 386634
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 22.6 17.5 26.3



#36
1,1-Dichloropropene
Concen: 20.209 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 75 Resp: 270614
Ion Ratio Lower Upper
75 100
110 36.9 18.2 54.6
77 31.1 24.9 37.3

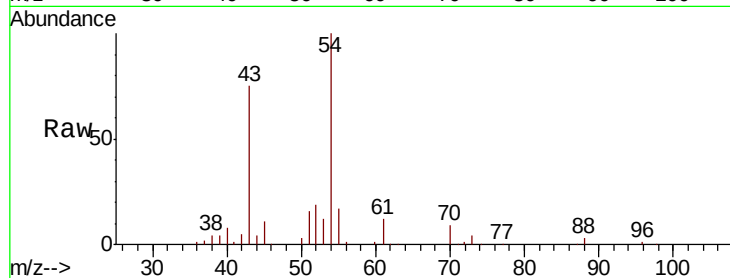




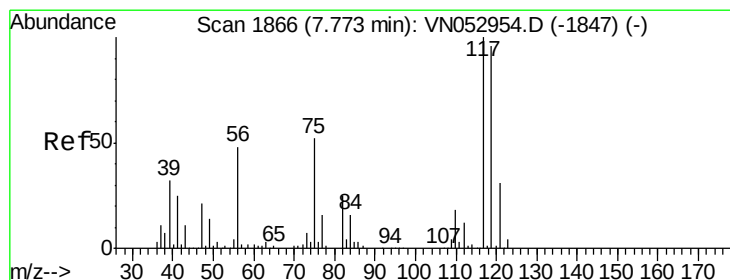
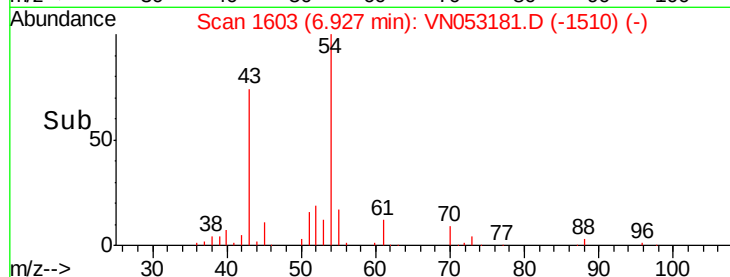
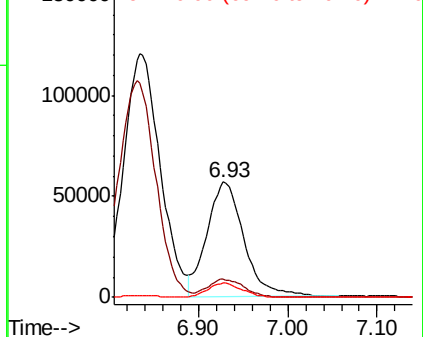
#37
Ethyl Acetate
Concen: 21.720 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 43 Resp: 162360
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.6 8.4 12.6

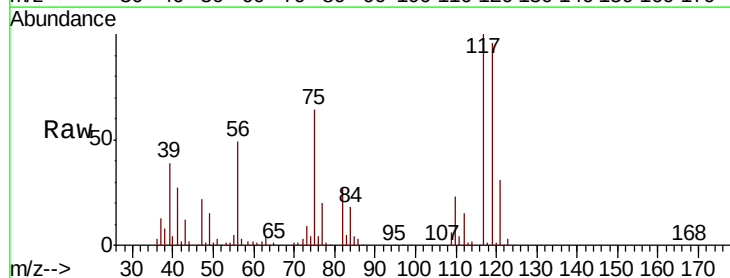


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

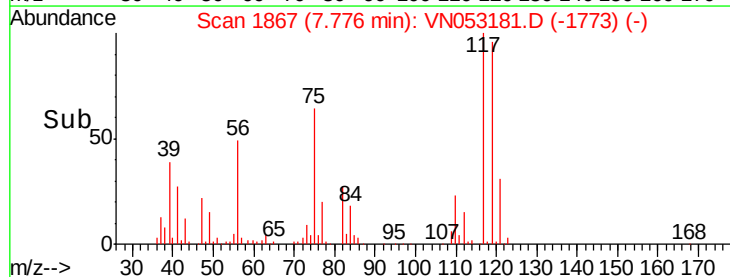
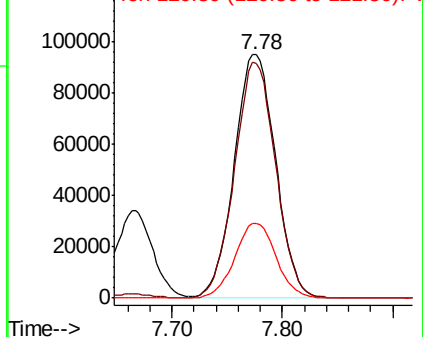


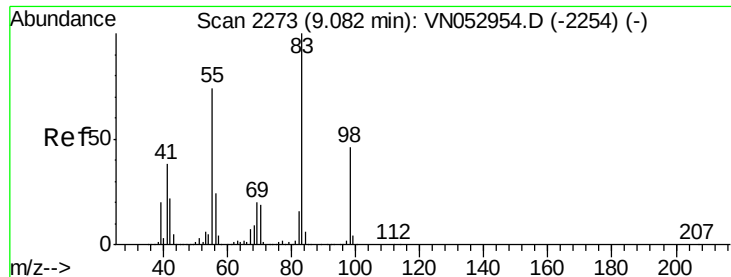
#38
Carbon Tetrachloride
Concen: 20.014 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 117 Resp: 245647
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
121 30.9 24.9 37.3



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

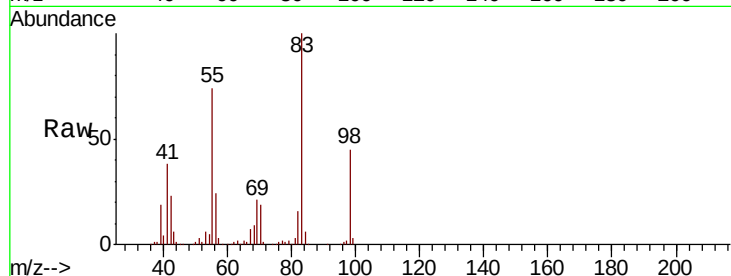




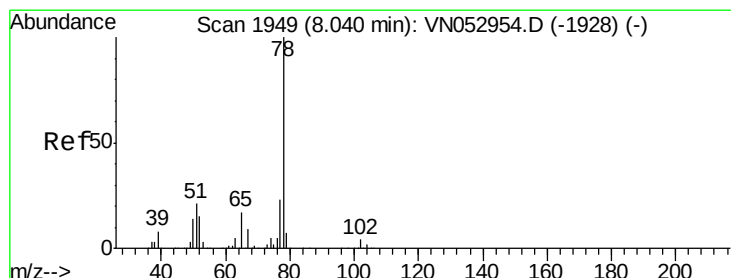
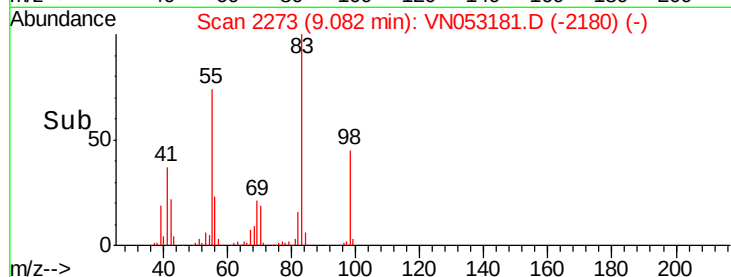
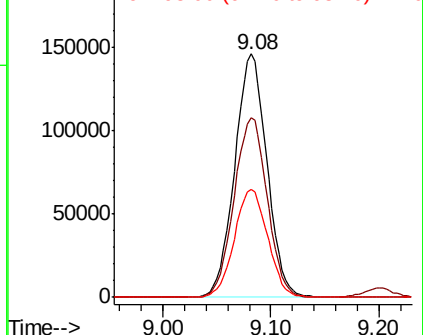
#39
Methylvlcyclohexane
Concen: 18.678 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 83 Resp: 303838
Ion Ratio Lower Upper
83 100
55 74.0 61.3 91.9
98 44.5 37.0 55.4

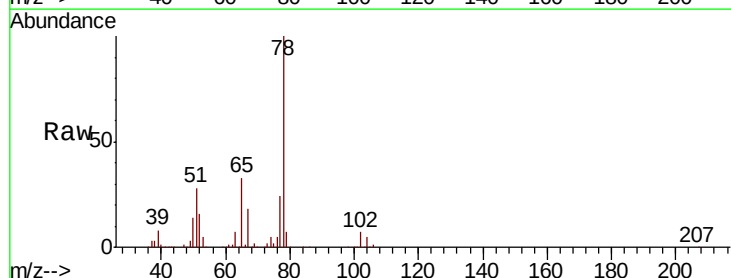


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

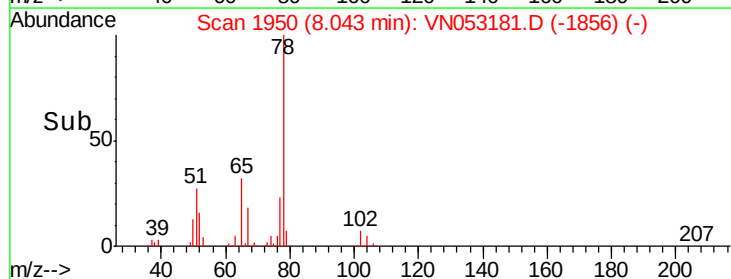
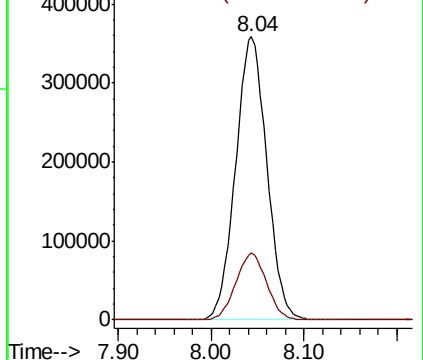


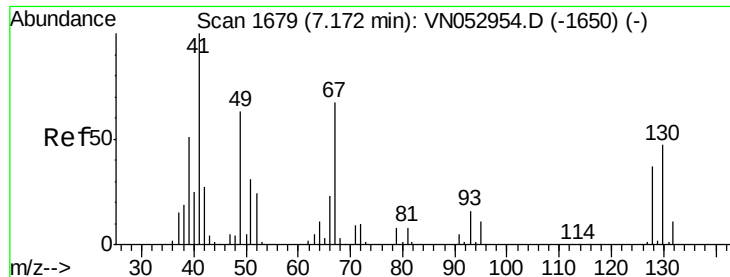
#40
Benzene
Concen: 21.024 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 78 Resp: 837394
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 22.284 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 41 Resp: 96249

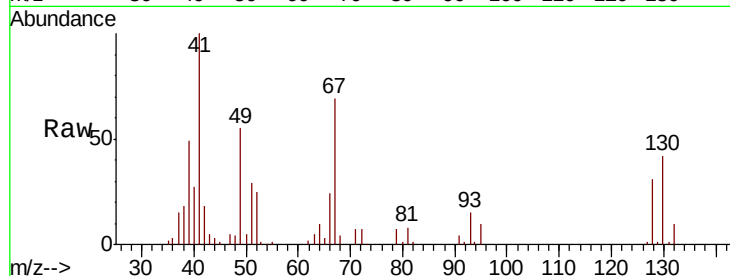
Ion Ratio Lower Upper

41 100

39 55.1 48.0 72.0

67 83.3 70.3 105.5

52 31.1 26.9 40.3

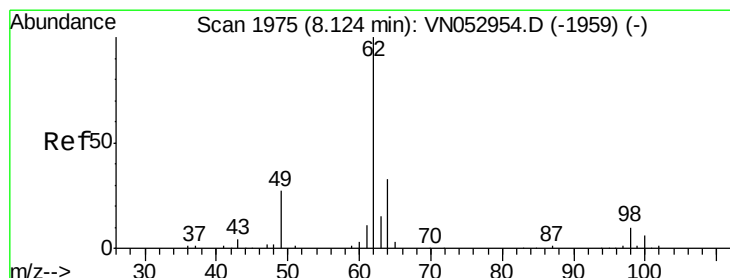
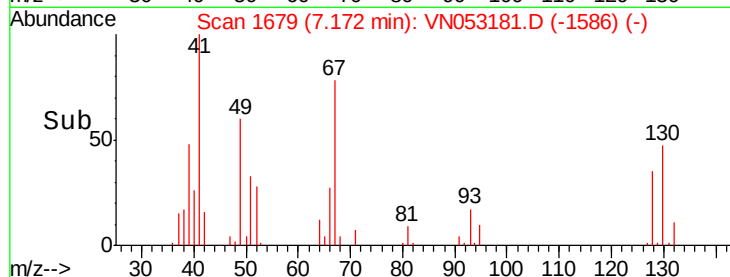
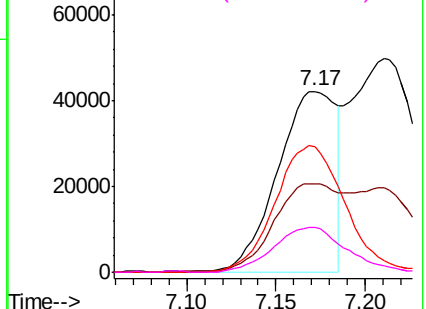


Abundance Ion 41.00 (40.70 to 41.70): VNC

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



#42

1,2-Dichloroethane

Concen: 20.982 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053181.D

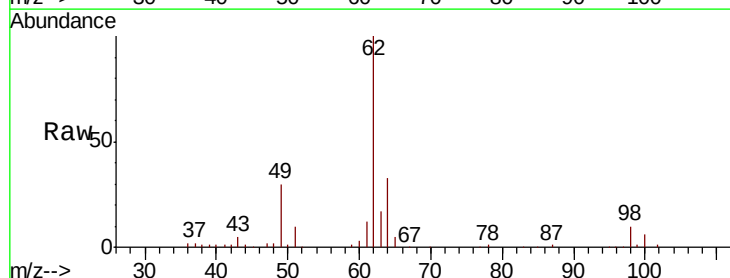
Acq: 24 Dec 2018 13:26

Tgt Ion: 62 Resp: 246889

Ion Ratio Lower Upper

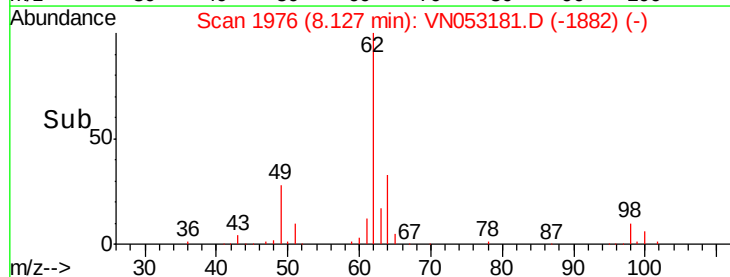
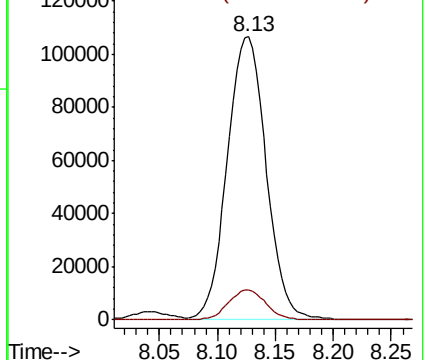
62 100

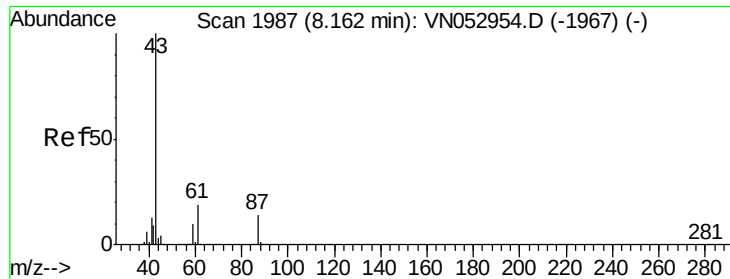
98 10.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



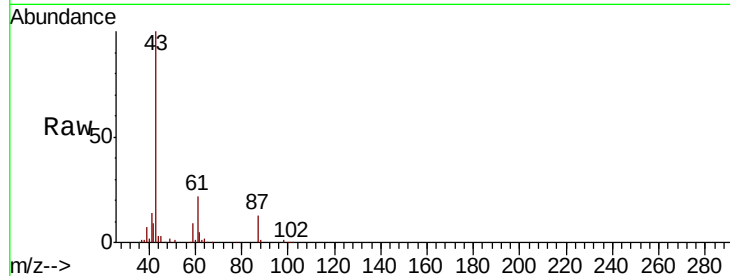


#43

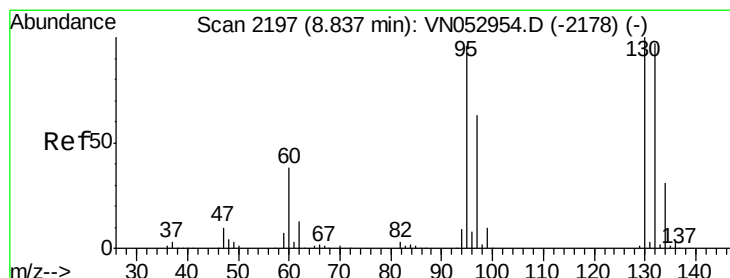
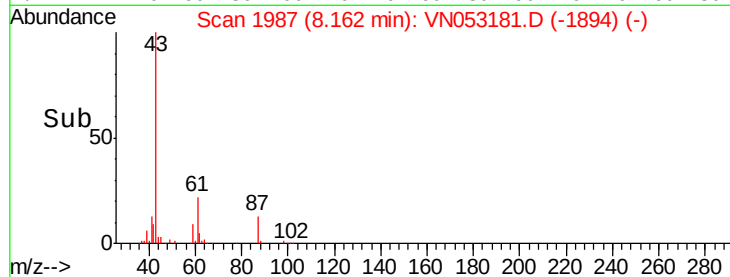
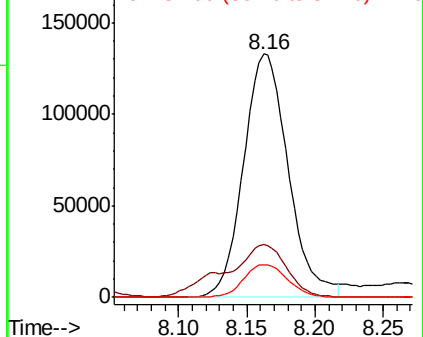
Isopropyl Acetate
 Concen: 20.199 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Tot Ion: 43 Resp: 301206
 Ion Ratio Lower Upper
 43 100
 61 29.2 22.9 34.3
 87 13.2 10.6 15.8



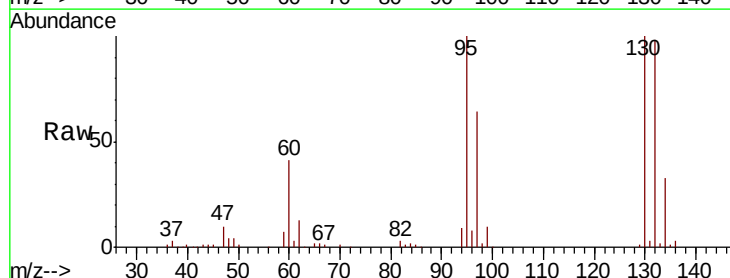
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



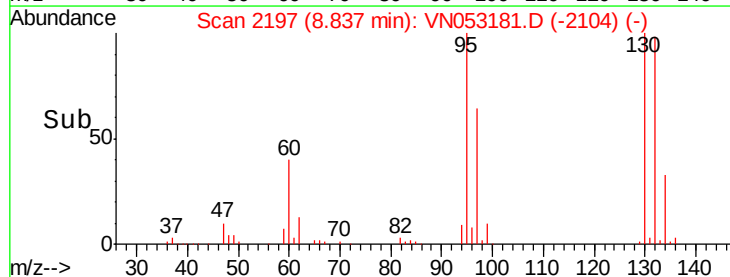
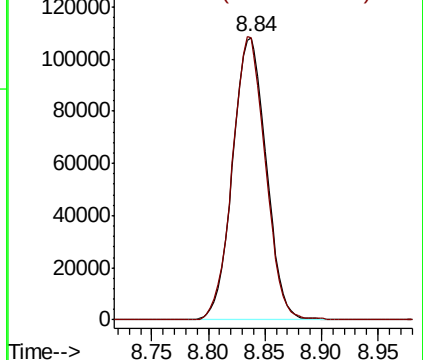
#44

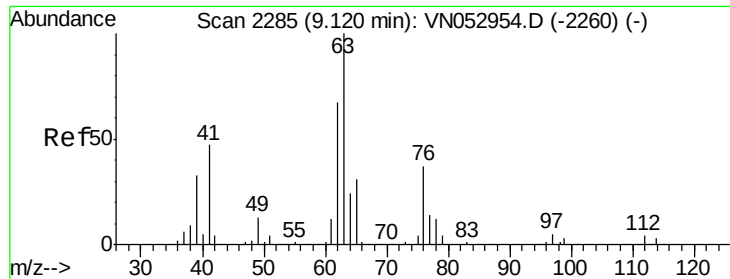
Trichloroethene
 Concen: 19.384 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 130 Resp: 223318
 Ion Ratio Lower Upper
 130 100
 95 99.9 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

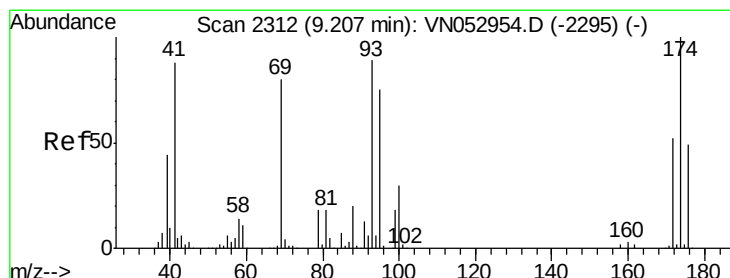
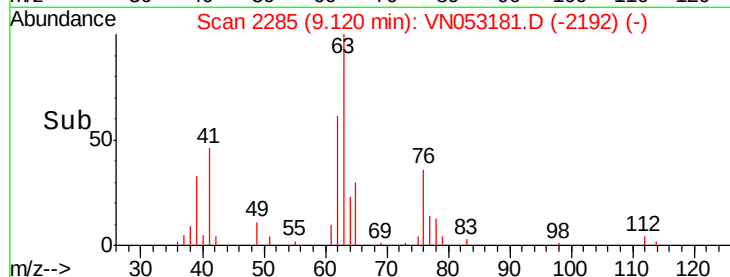
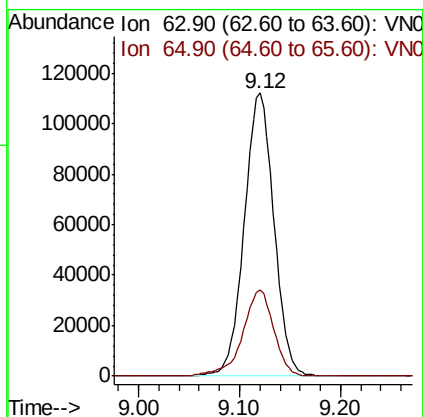
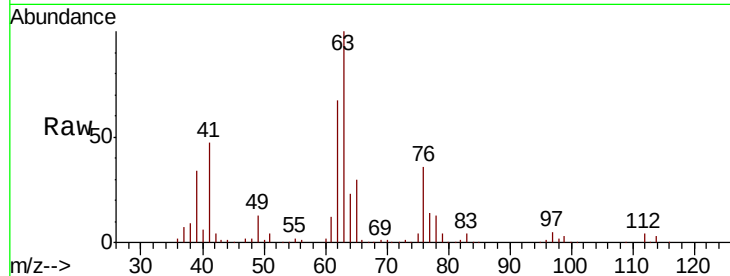




#45
 1,2-Dichloropropane
 Concen: 21.941 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

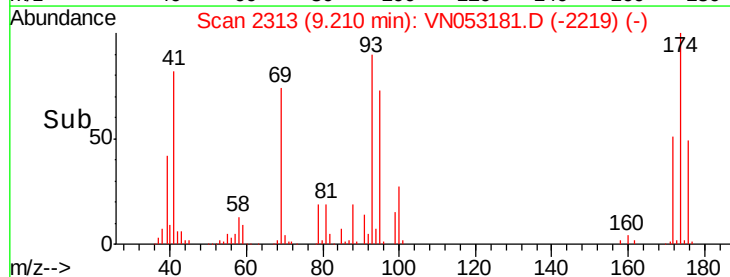
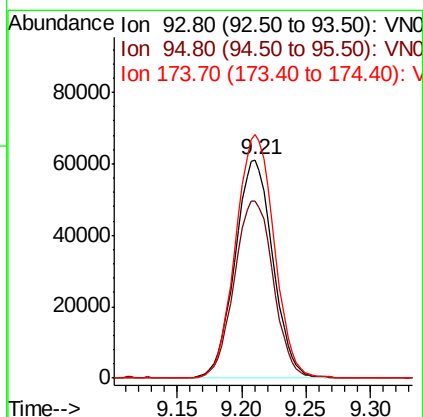
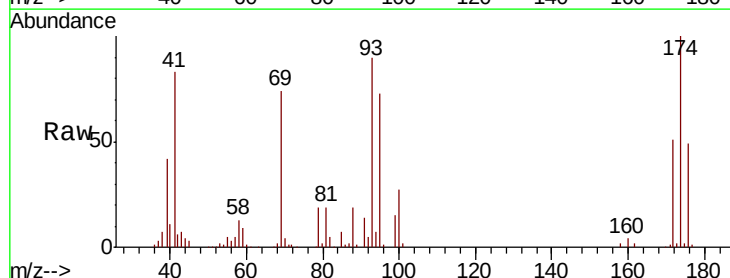
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

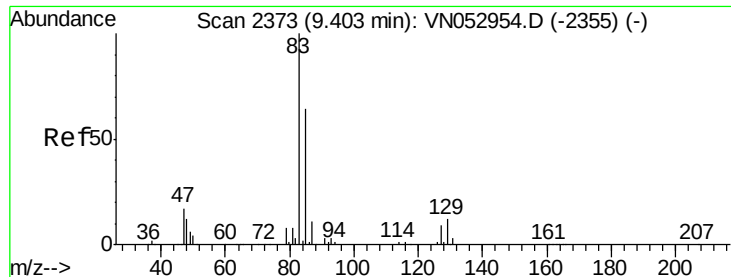
Tot Ion: 63 Resp: 227631
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#46
 Dibromomethane
 Concen: 20.656 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 93 Resp: 124840
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.8 101.6
 174 113.6 89.0 133.4

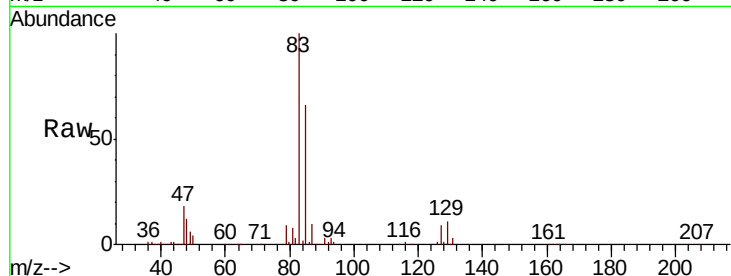




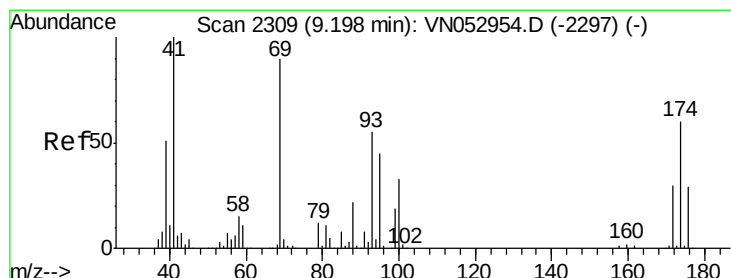
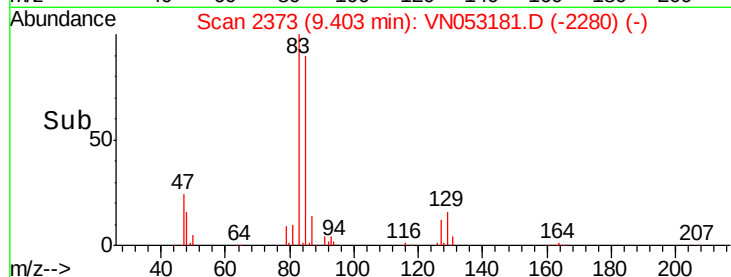
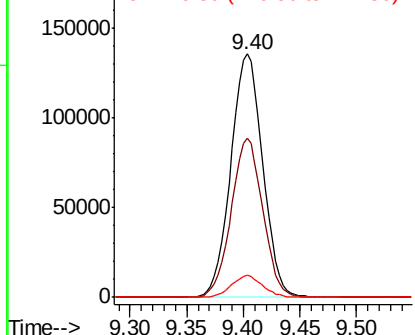
#47
Bromodichloromethane
Concen: 20.735 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 83 Resp: 266380
Ion Ratio Lower Upper
83 100
85 65.6 51.6 77.4
127 9.0 7.1 10.7

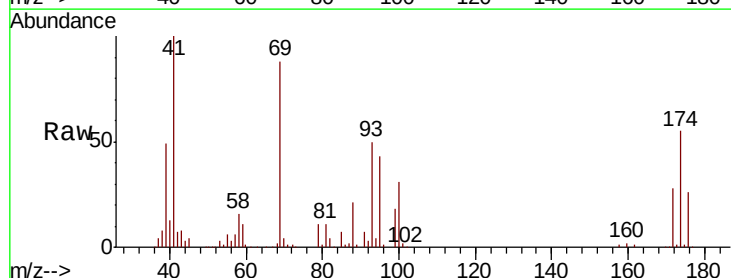


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

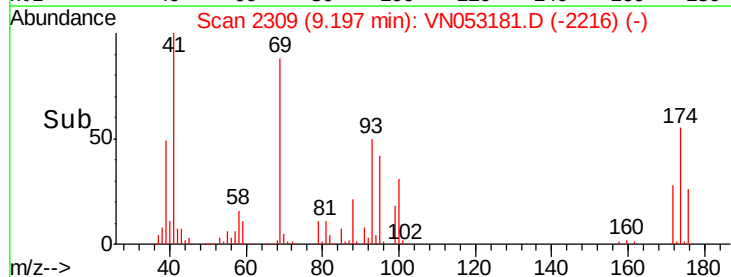
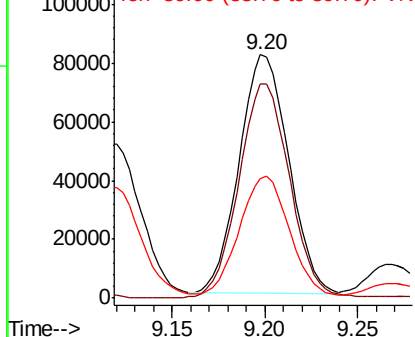


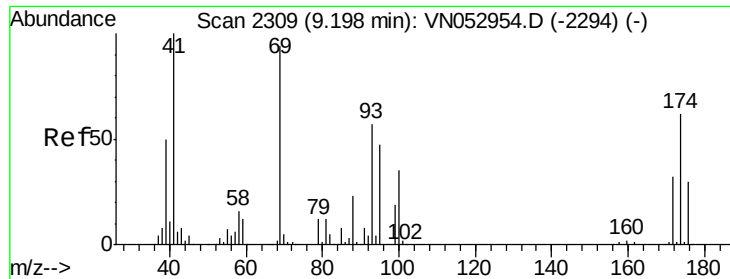
#48
Methyl methacrylate
Concen: 20.792 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 41 Resp: 150820
Ion Ratio Lower Upper
41 100
69 92.9 72.2 108.2
39 52.4 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

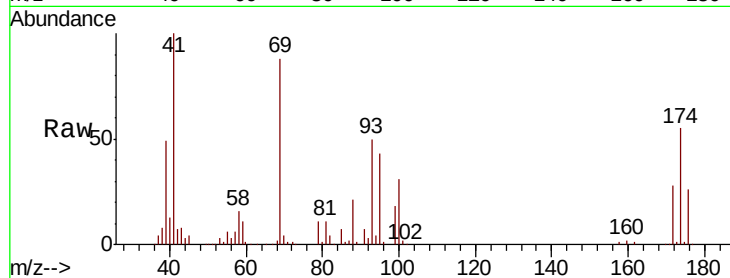




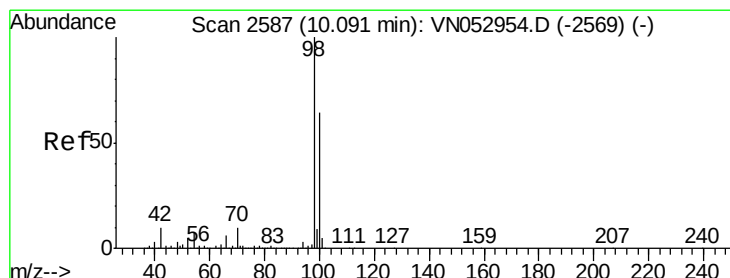
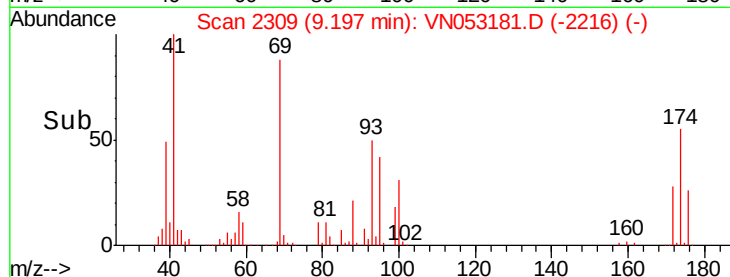
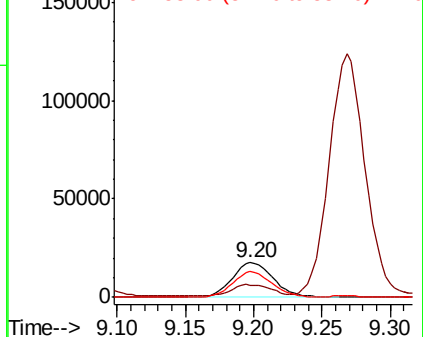
#49
1,4-Dioxane
Concen: 402.811 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 88 Resp: 36961
Ion Ratio Lower Upper
88 100
43 32.9 26.6 40.0
58 70.9 58.4 87.6

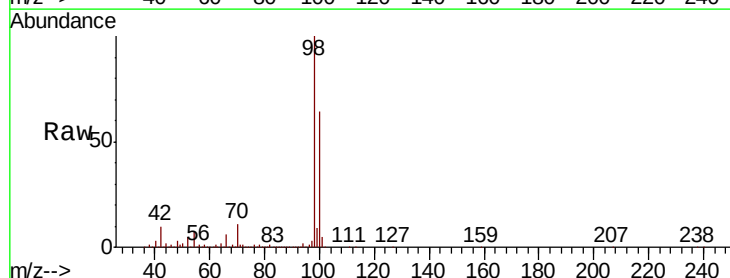


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

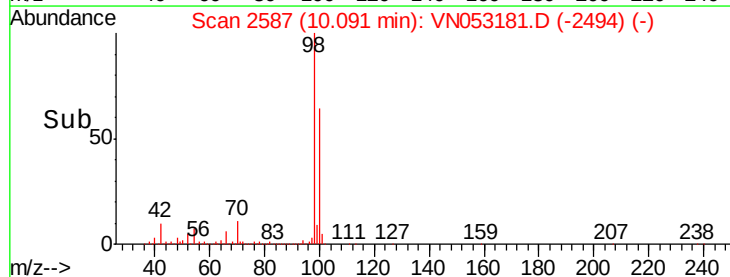
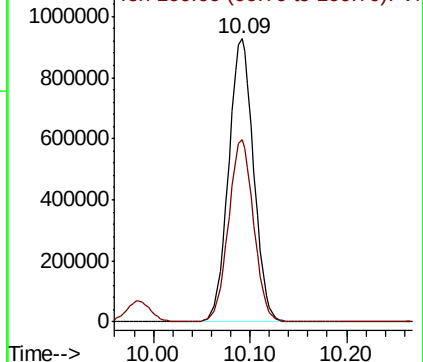


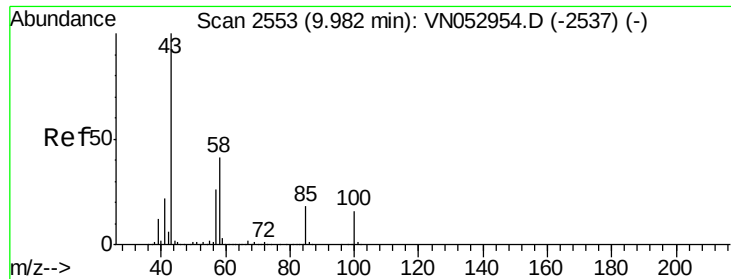
#50
Toluene-d8
Concen: 402.811 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 98 Resp: 1662898
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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

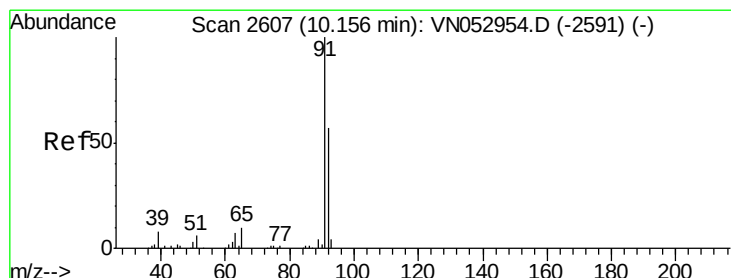
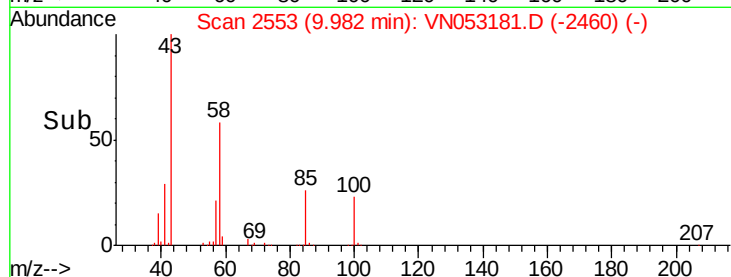
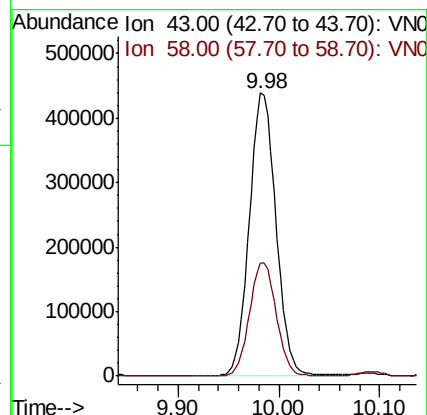
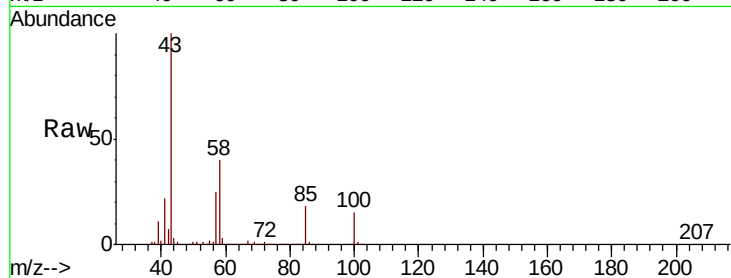




#51
 4-Methyl-2-Pentanone
 Concen: 110.519 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

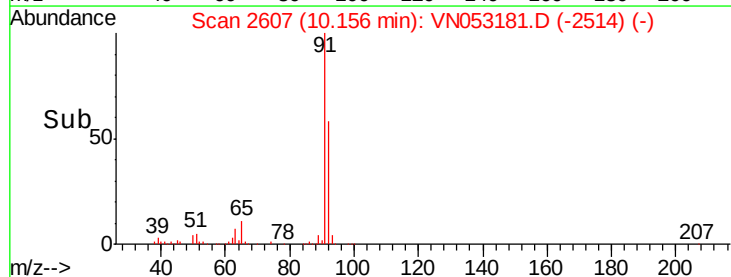
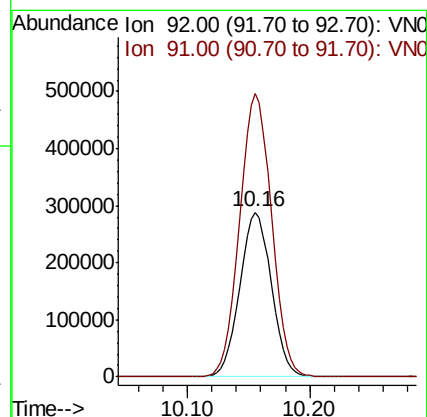
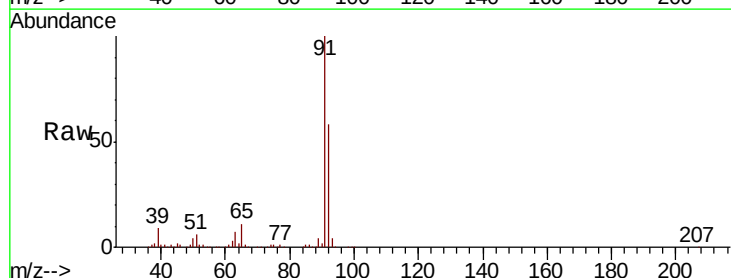
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

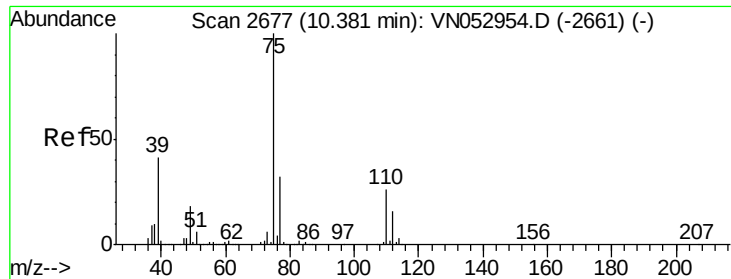
Tot Ion: 43 Resp: 800073
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4



#52
 Toluene
 Concen: 20.836 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 92 Resp: 514399
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.650 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

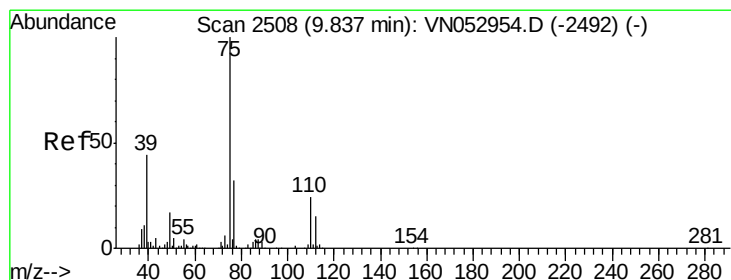
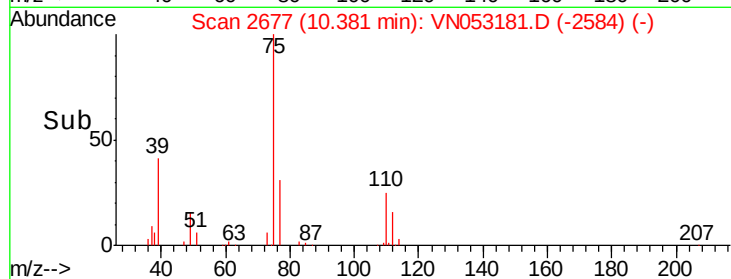
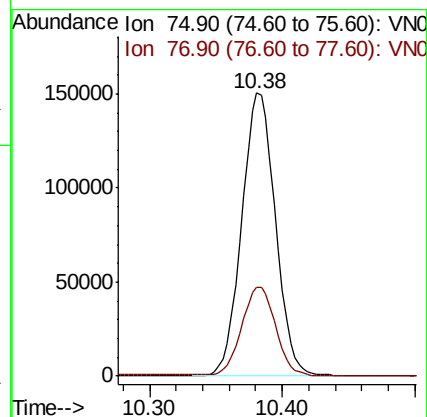
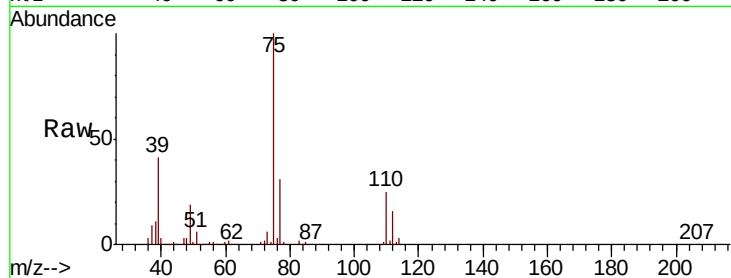
VN1224WBS01

Tot Ion: 75 Resp: 265455

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.548 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

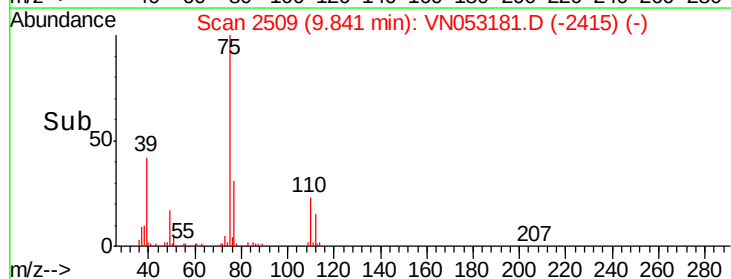
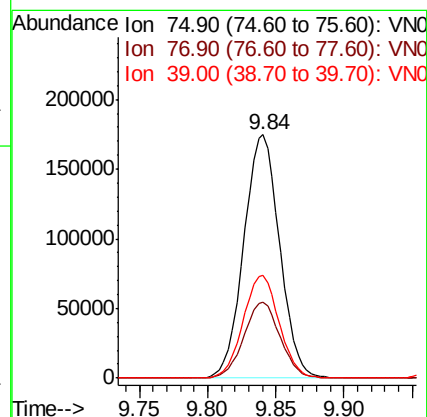
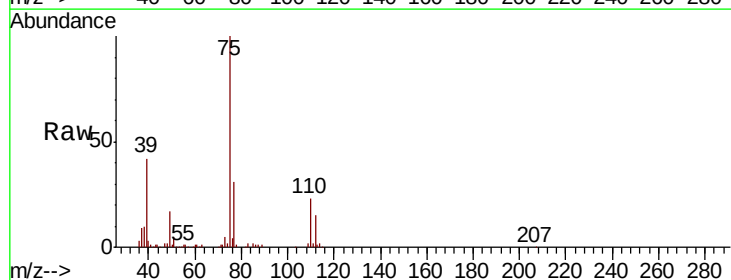
Tgt Ion: 75 Resp: 318615

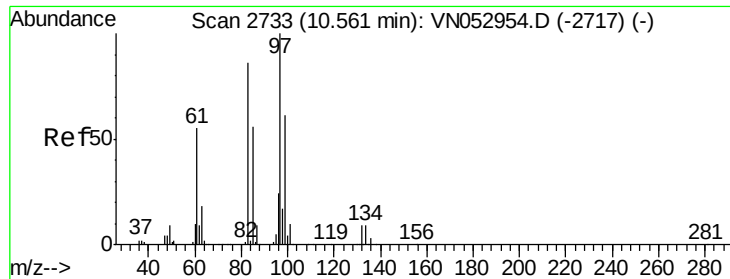
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 41.9 34.8 52.2

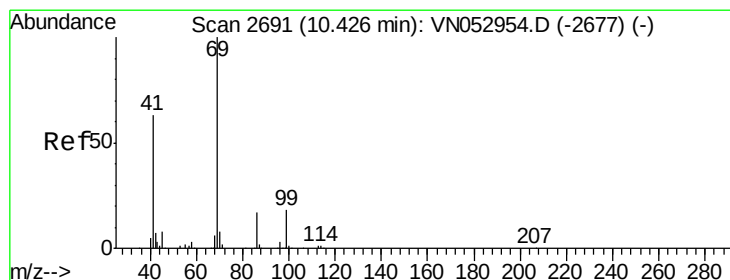
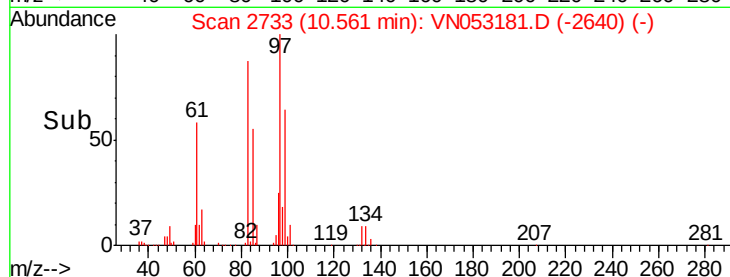
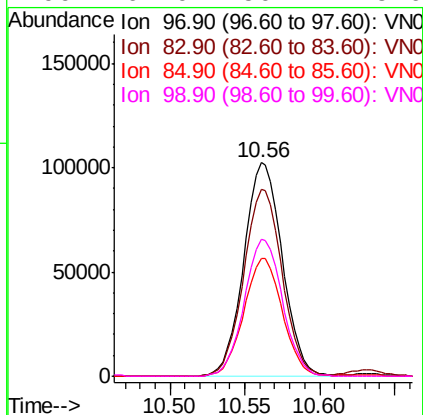
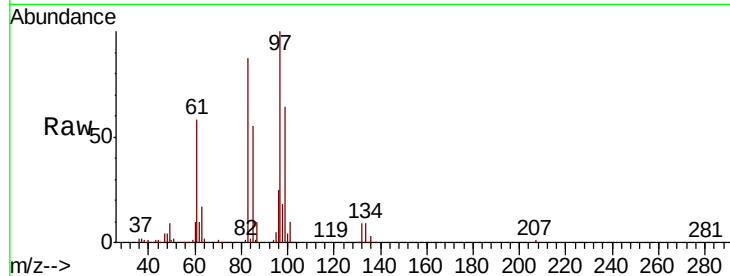




#55
 1,1,2-Trichloroethane
 Concen: 21.348 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

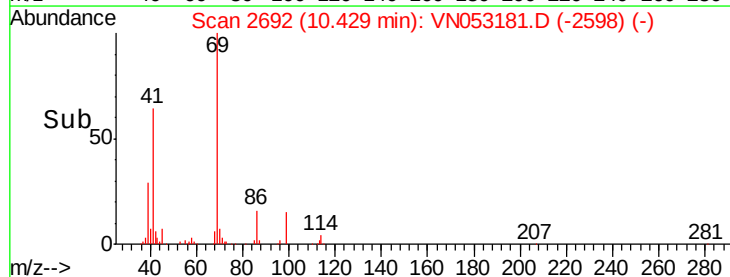
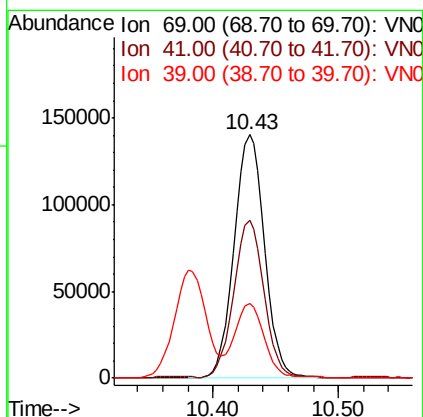
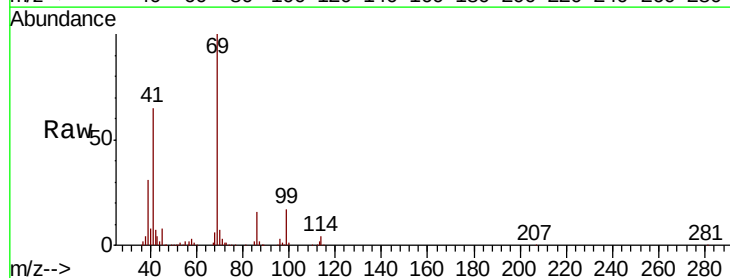
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

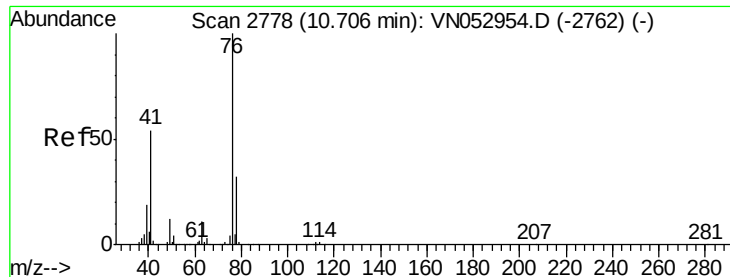
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.4	70.9	106.3	
85	55.4	45.4	68.2	
99	64.0	50.4	75.6	



#56
 Ethyl methacrylate
 Concen: 20.785 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.4	51.7	77.5	
39	30.1	24.6	37.0	





#57

1,3-Dichloropropane

Concen: 21.402 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

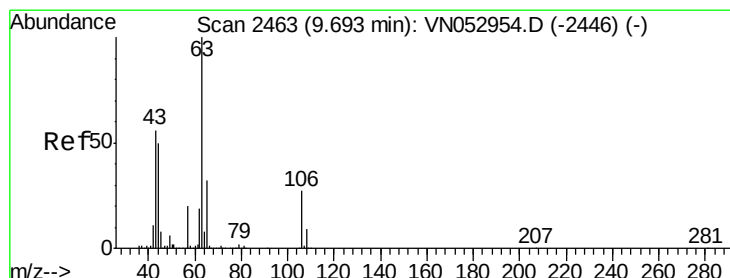
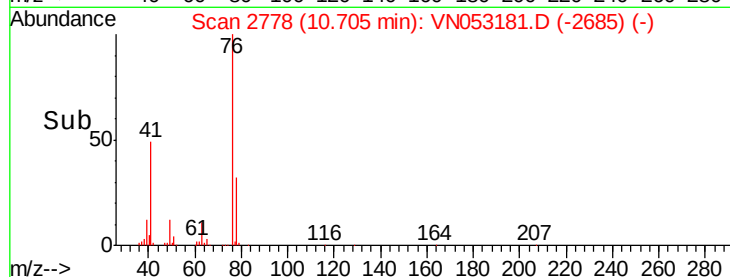
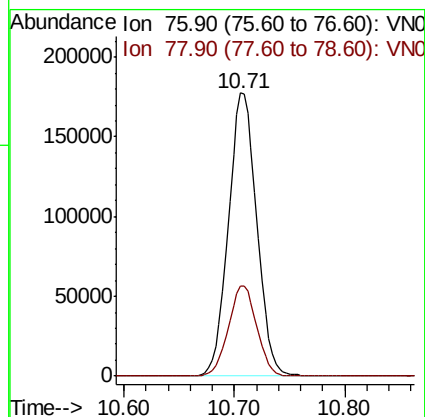
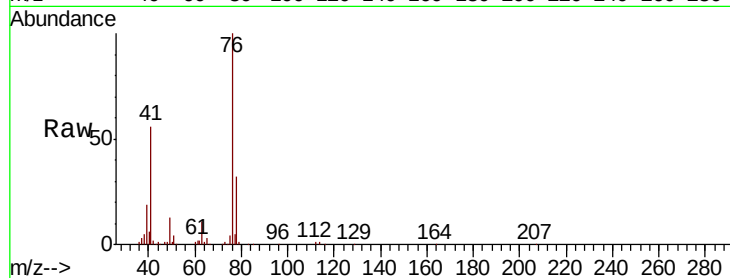
VN1224WBS01

Tot Ion: 76 Resp: 316092

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 104.241 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053181.D

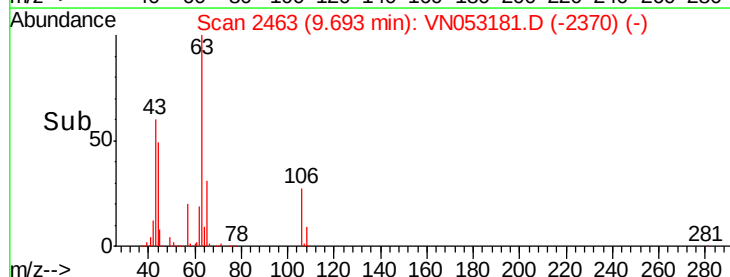
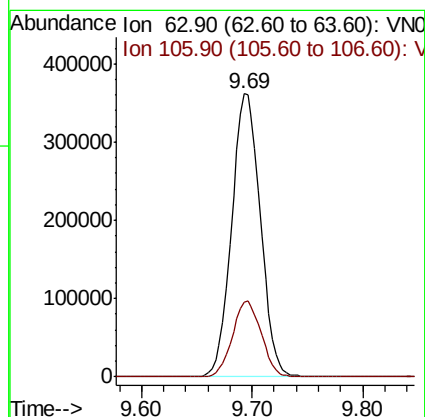
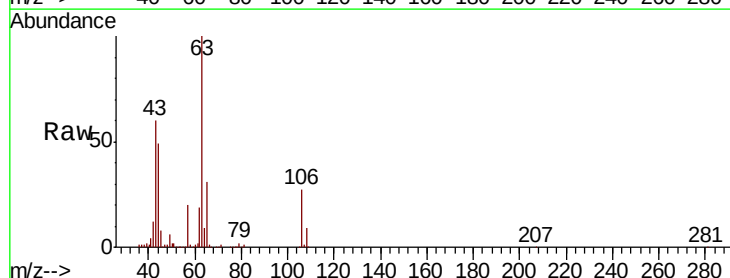
Acq: 24 Dec 2018 13:26

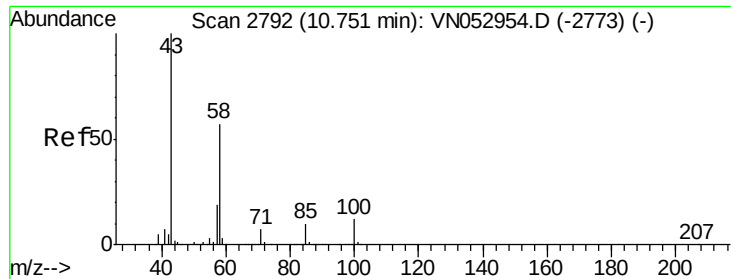
Tgt Ion: 63 Resp: 652391

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6

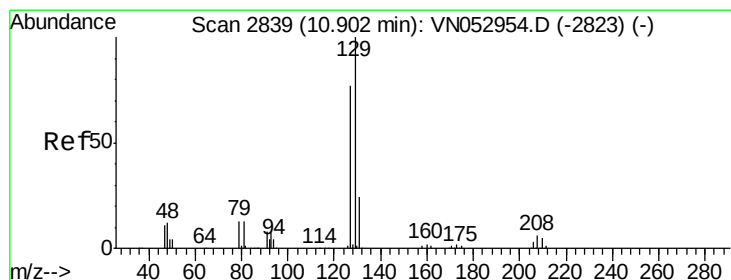
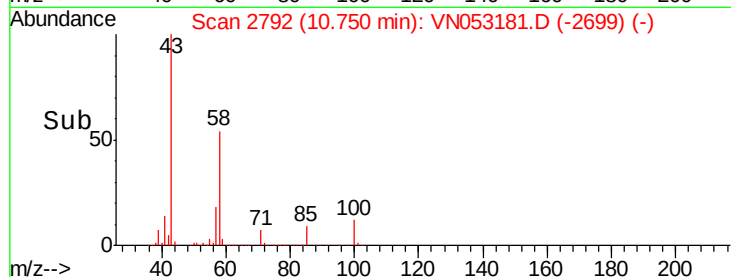
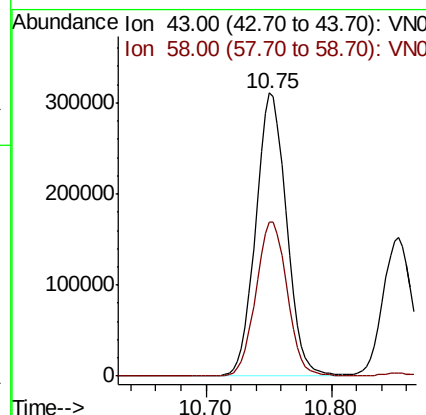
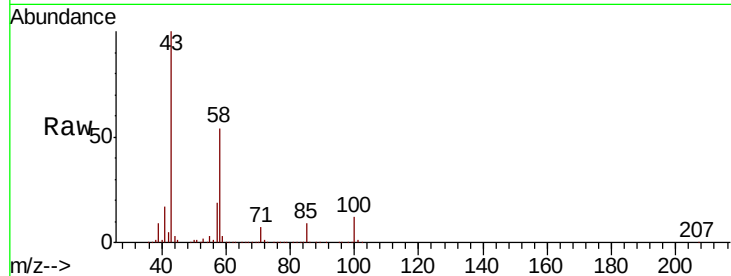




#59
2-Hexanone
Concen: 108.304 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

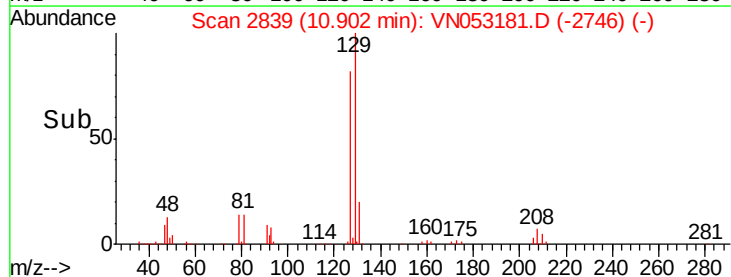
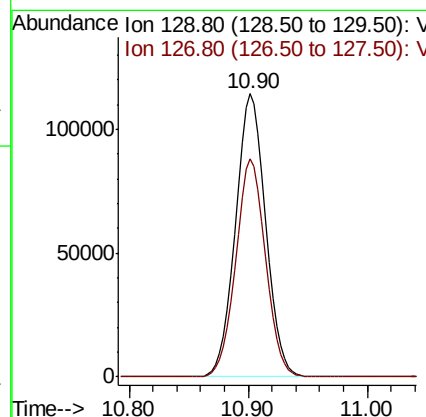
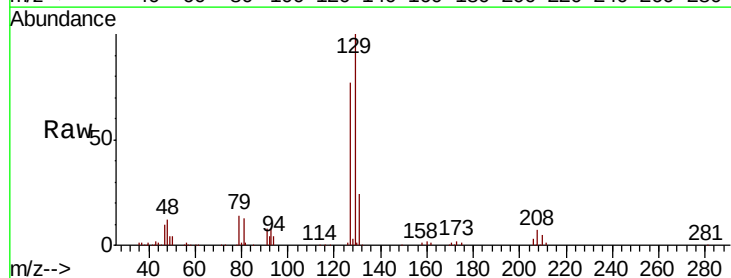
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

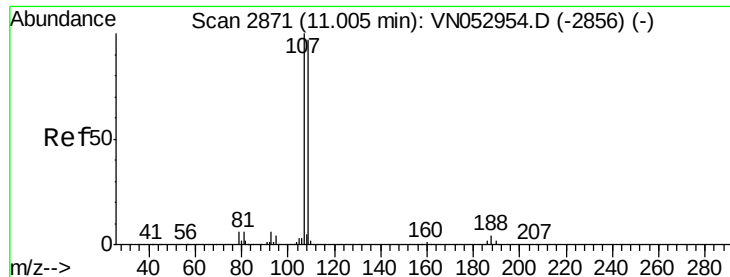
Tot Ion: 43 Resp: 530470
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.3



#60
Dibromochloromethane
Concen: 20.351 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 129 Resp: 200637
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0

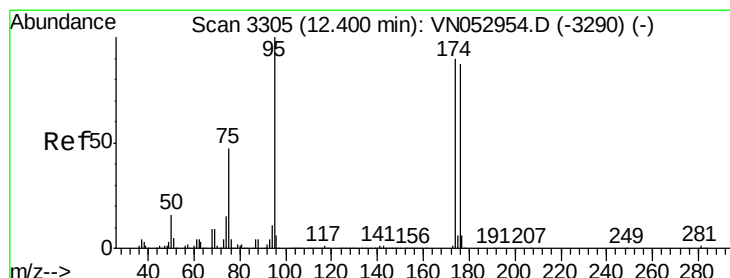
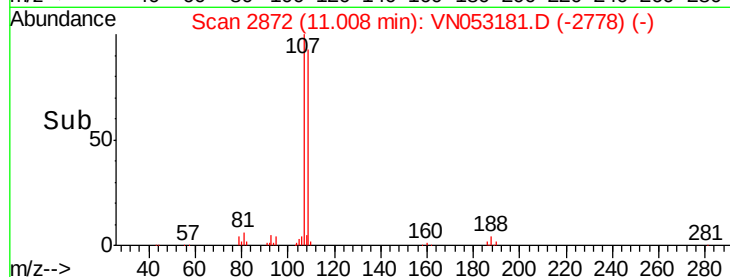
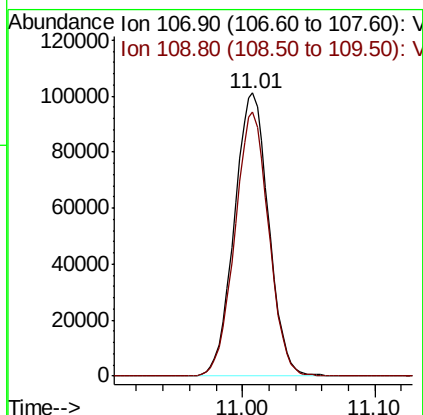
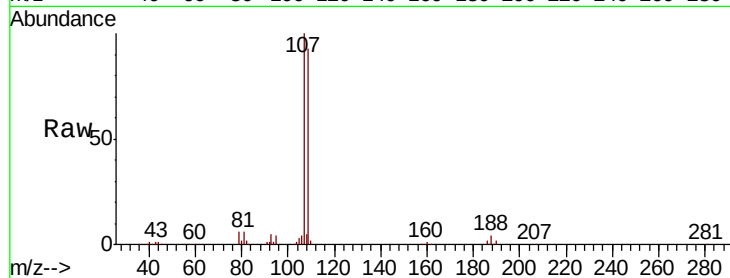




#61
 1,2-Dibromoethane
 Concen: 20.782 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

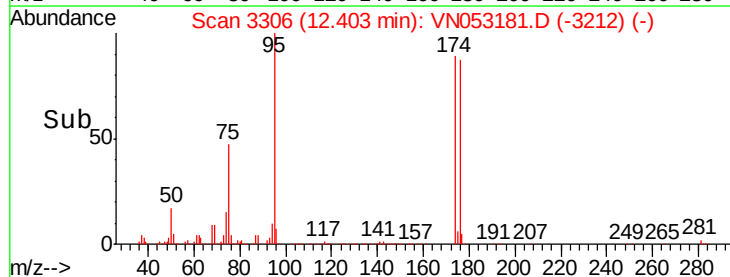
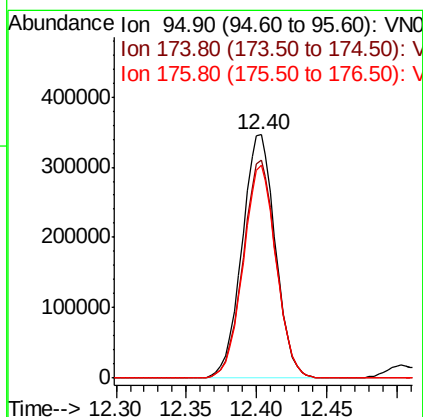
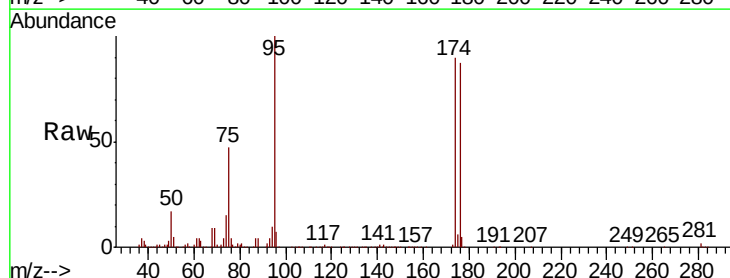
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

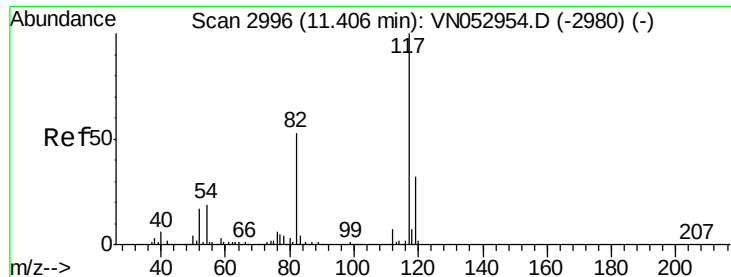
Tot Ion: 107 Resp: 181785
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.782 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 95 Resp: 574010
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 178.8
 176 86.2 0.0 173.8

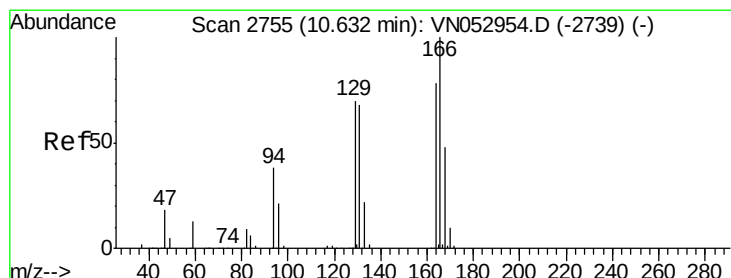
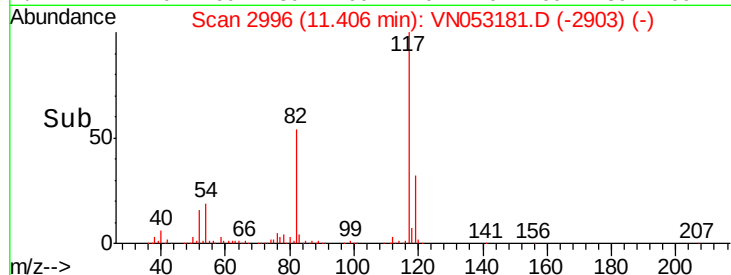
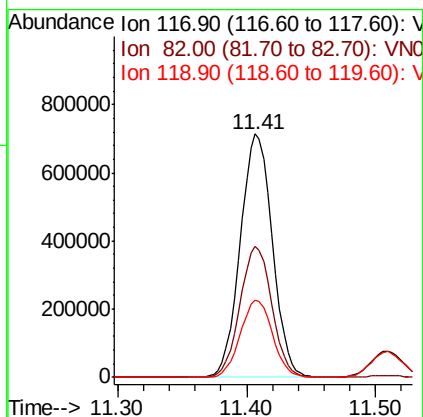
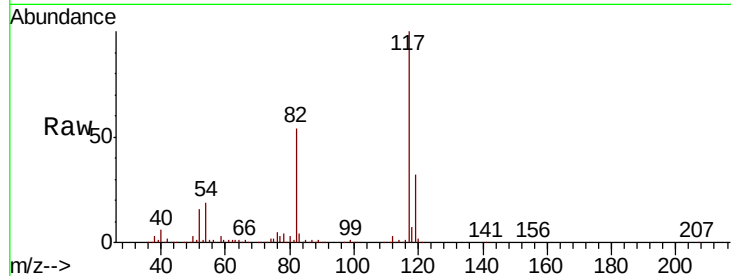




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

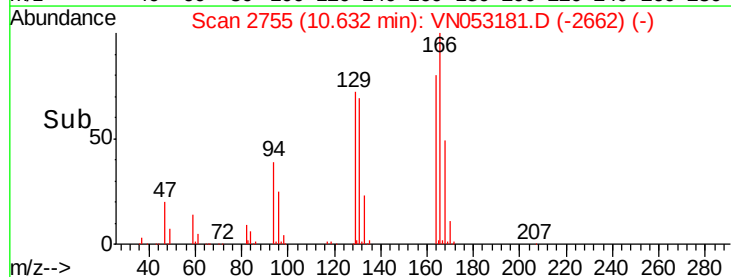
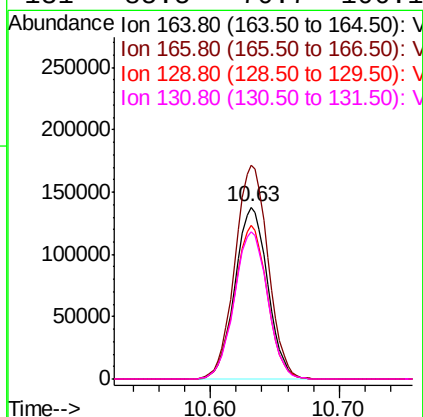
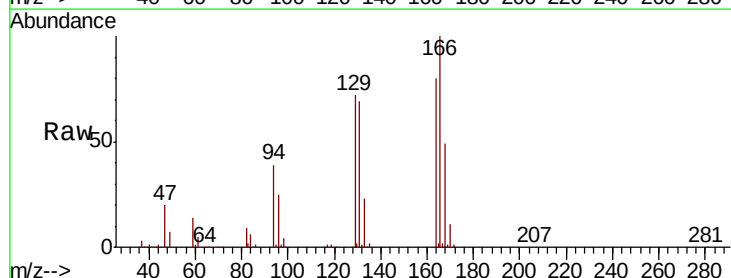
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

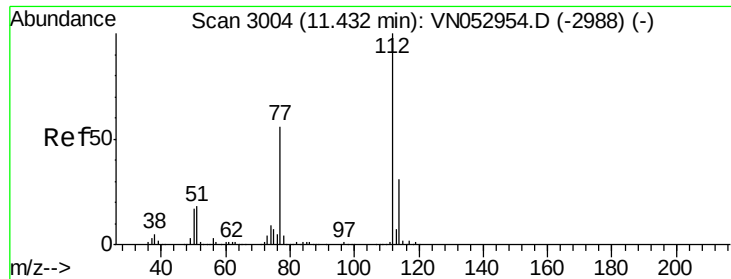
Tot Ion:117 Resp: 1238656
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 18.088 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion:164 Resp: 242695
Ion Ratio Lower Upper
164 100
166 124.3 102.9 154.3
129 89.1 73.7 110.5
131 85.5 70.7 106.1





#65

Chlorobenzene

Concen: 20.668 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

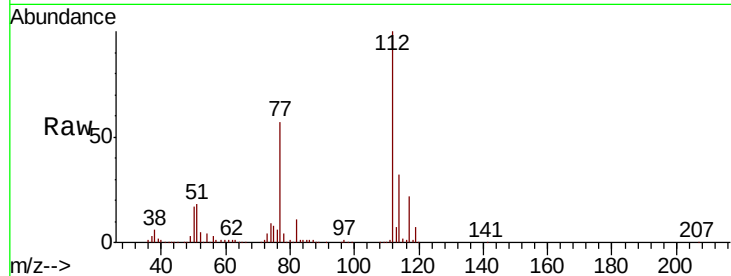
VN1224WBS01

Tot Ion:112 Resp: 567485

Ion Ratio Lower Upper

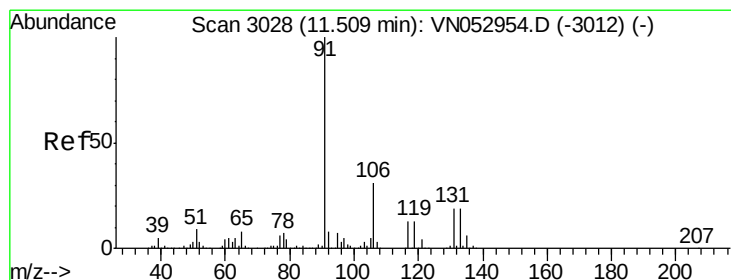
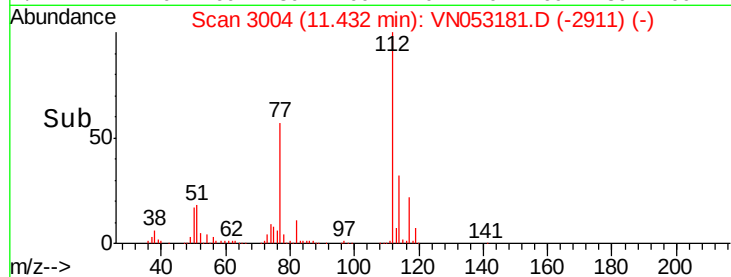
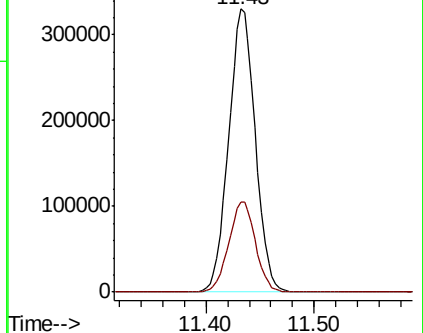
112 100

114 32.0 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.592 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

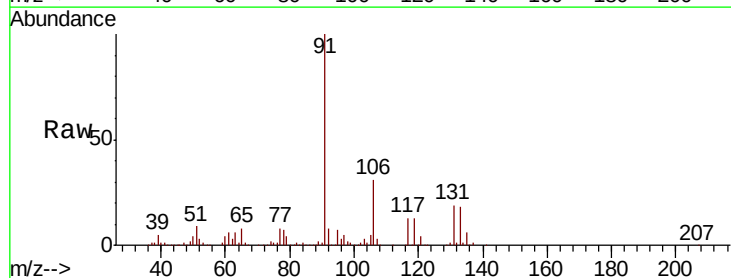
Tgt Ion:131 Resp: 196614

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

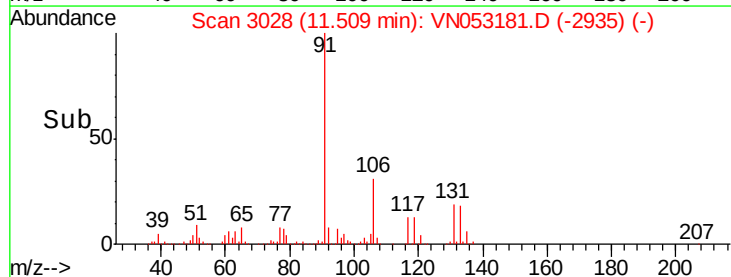
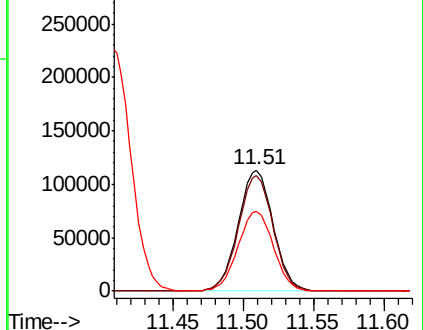
119 67.1 33.3 99.8

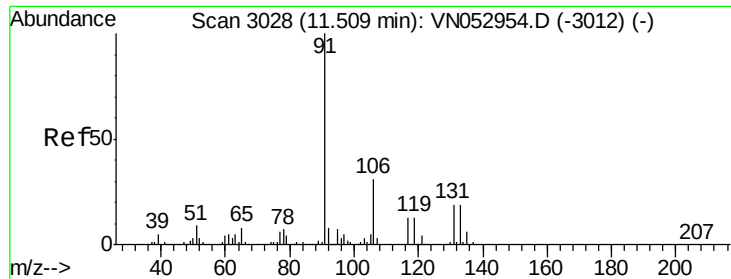


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.531 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampled :

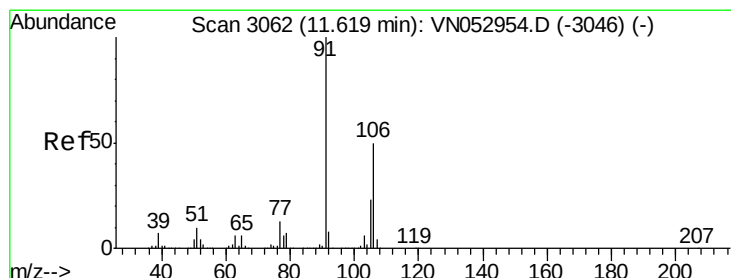
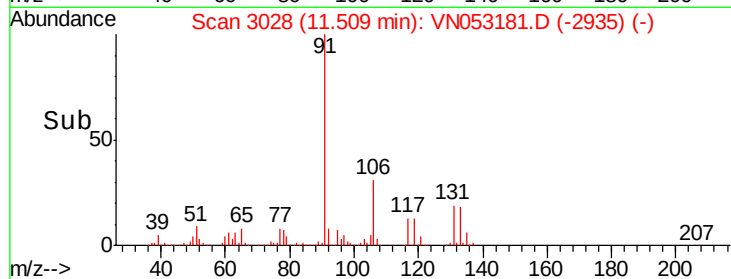
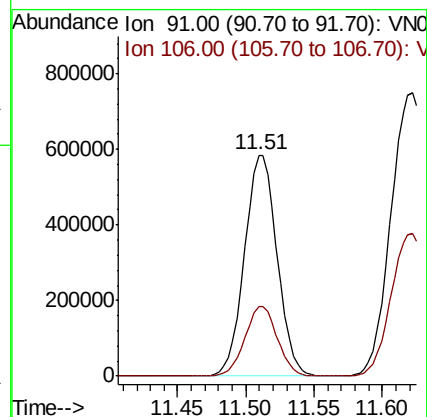
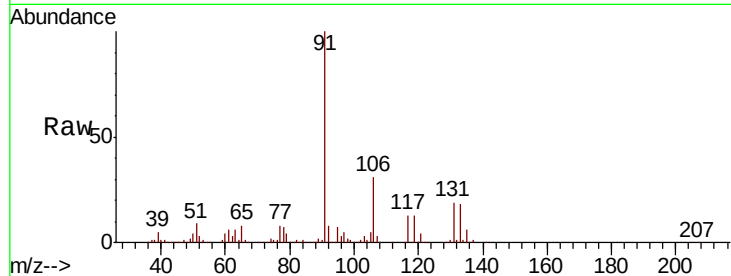
VN1224WBS01

Tot Ion: 91 Resp: 969472

Ion Ratio Lower Upper

91 100

106 31.4 24.9 37.3



#68

m/p-Xylenes

Concen: 41.178 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053181.D

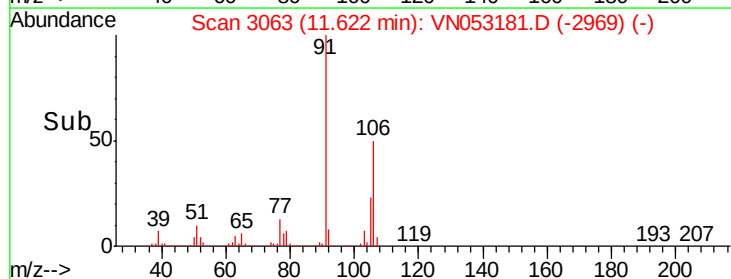
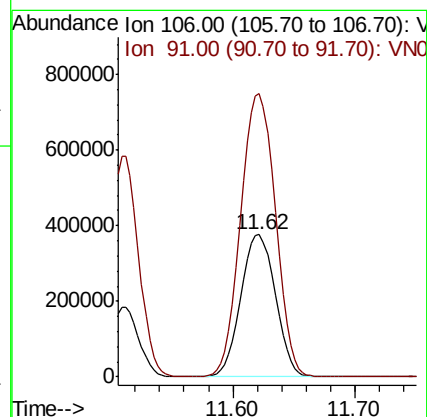
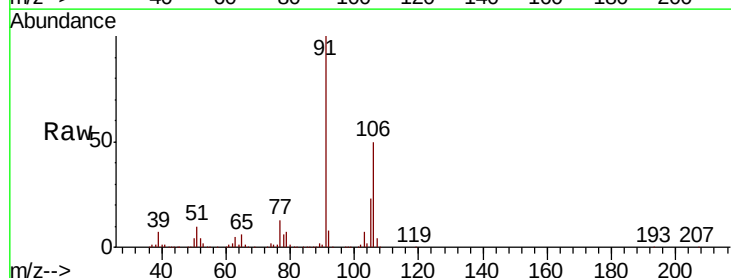
Acq: 24 Dec 2018 13:26

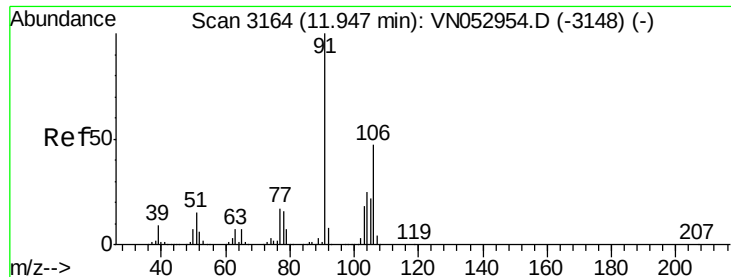
Tgt Ion: 106 Resp: 739182

Ion Ratio Lower Upper

106 100

91 200.0 162.2 243.4

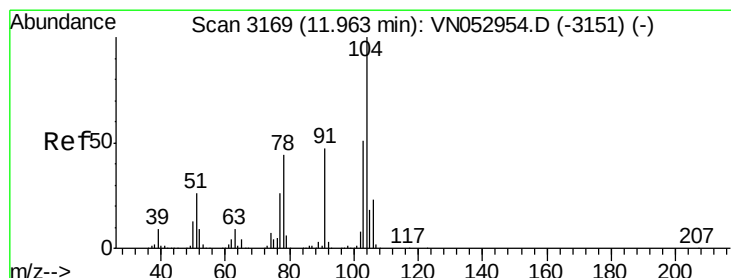
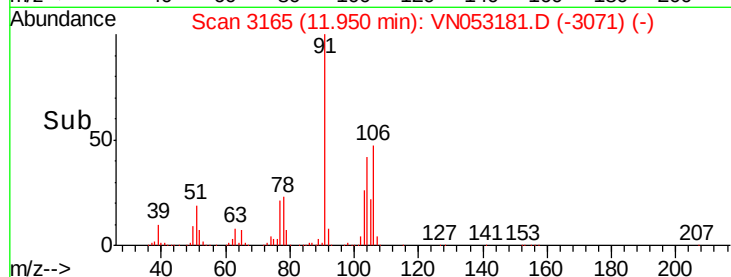
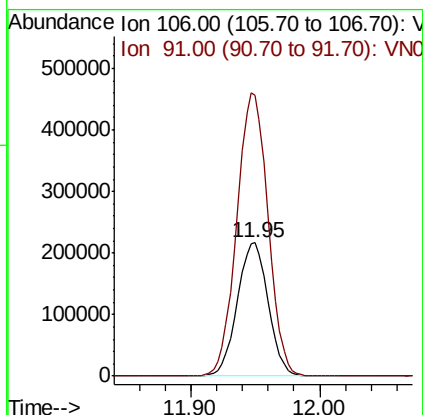
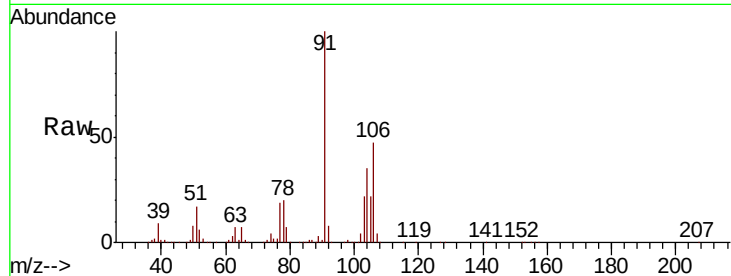




#69
o-Xylene
Concen: 20.934 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

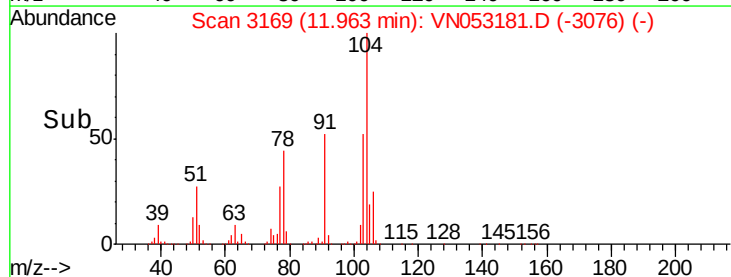
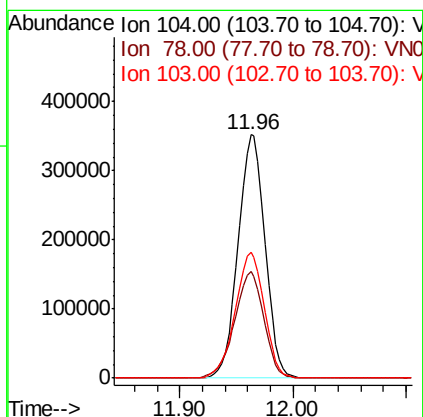
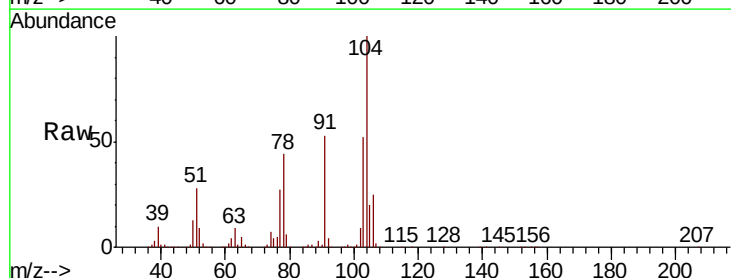
Instrument :
MSVOA_N
ClientSampled :
VN1224WBS01

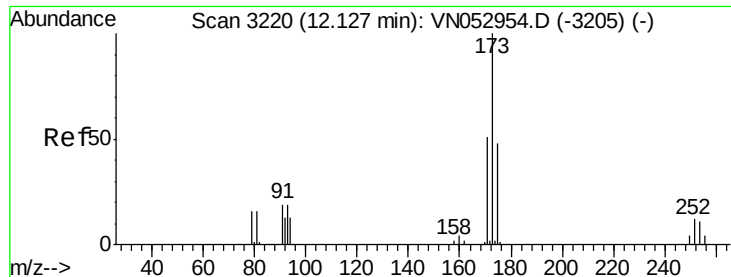
Tot Ion:106 Resp: 360603
Ion Ratio Lower Upper
106 100
91 214.1 106.6 319.8



#70
Styrene
Concen: 20.787 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion:104 Resp: 583868
Ion Ratio Lower Upper
104 100
78 47.7 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 19.241 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

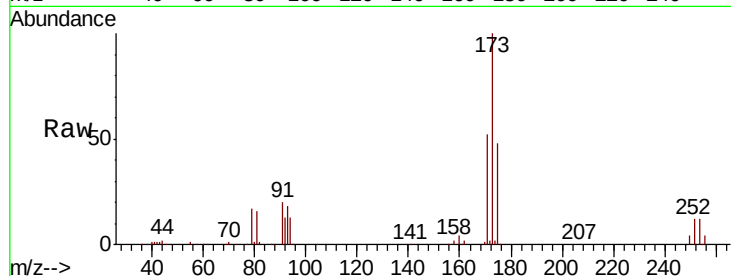
Tot Ion:173 Resp: 132724

Ion Ratio Lower Upper

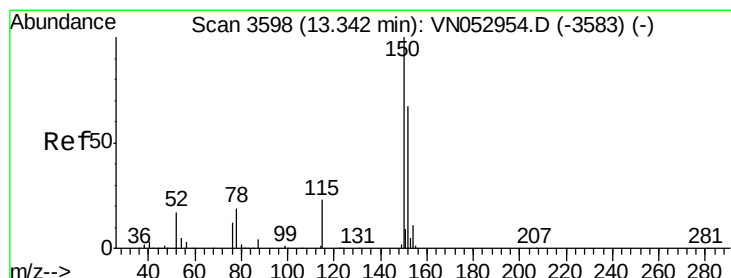
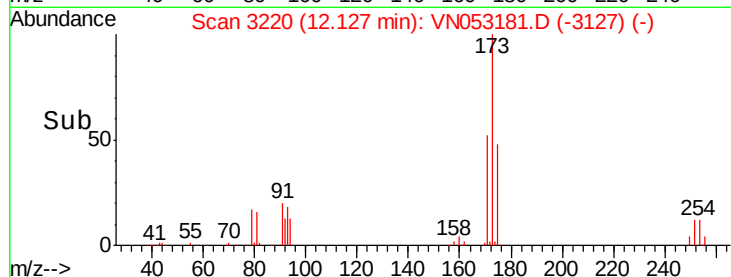
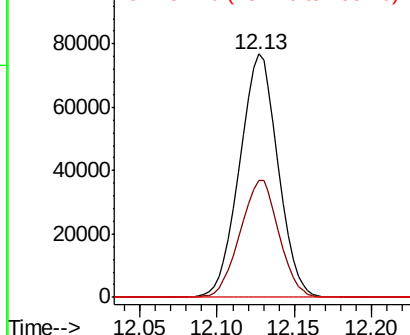
173 100

175 48.6 24.3 72.9

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

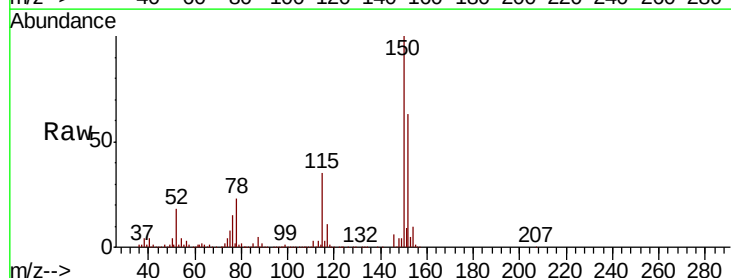
Tgt Ion:152 Resp: 563051

Ion Ratio Lower Upper

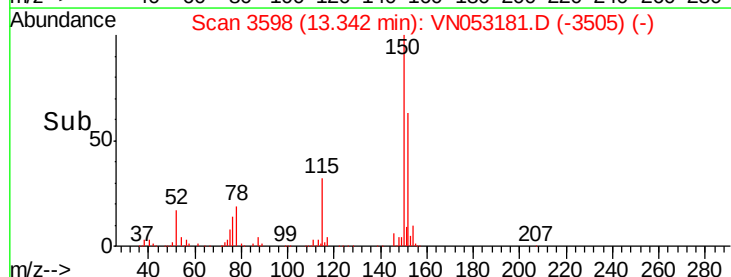
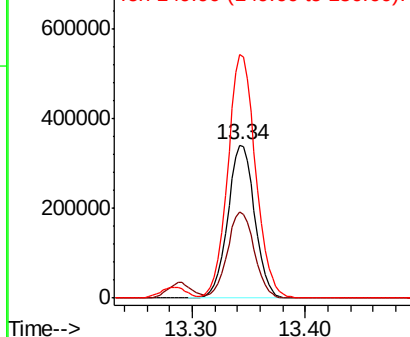
152 100

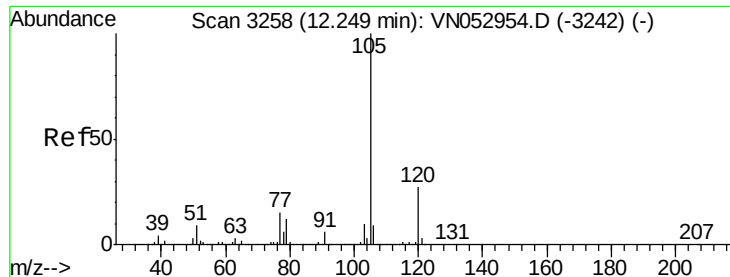
115 56.6 28.3 85.0

150 164.5 0.0 347.8



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





#73

Isopropylbenzene

Concen: 21.527 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

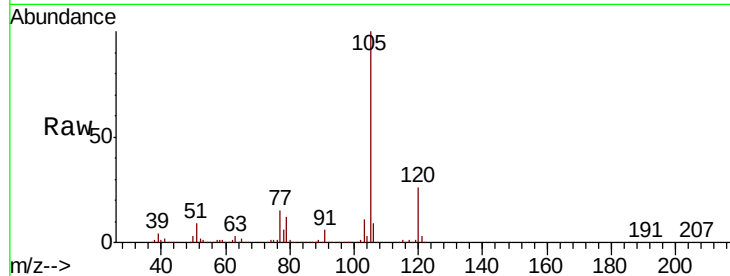
VN1224WBS01

Tot Ion:105 Resp: 948348

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

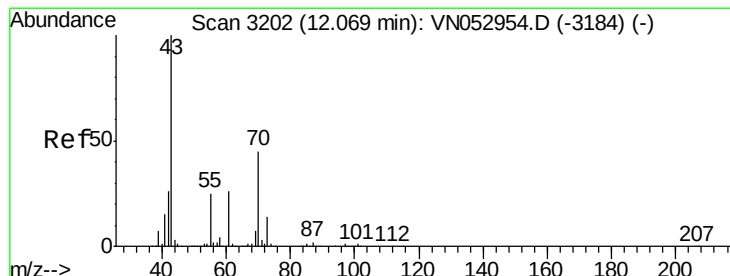
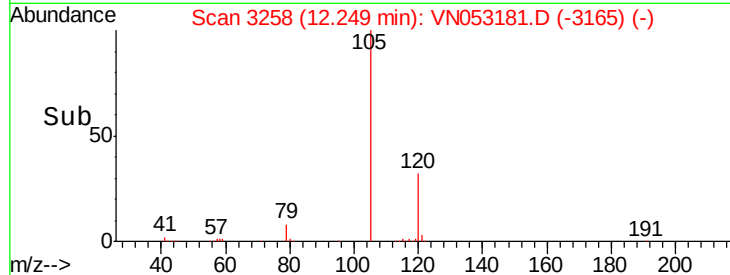
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 21.045 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion: 43 Resp: 257397

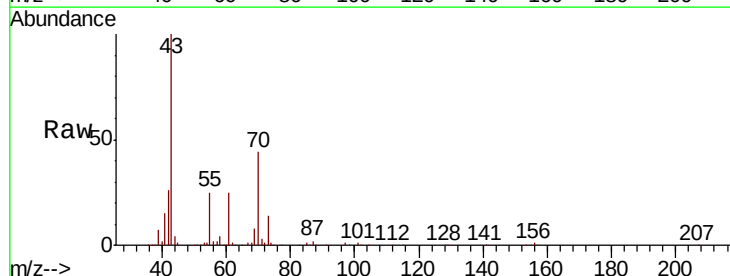
Ion Ratio Lower Upper

43 100

70 44.2 34.2 51.4

55 25.2 20.3 30.5

61 25.5 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

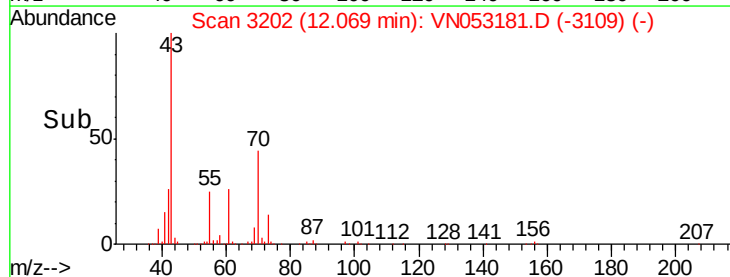
150000

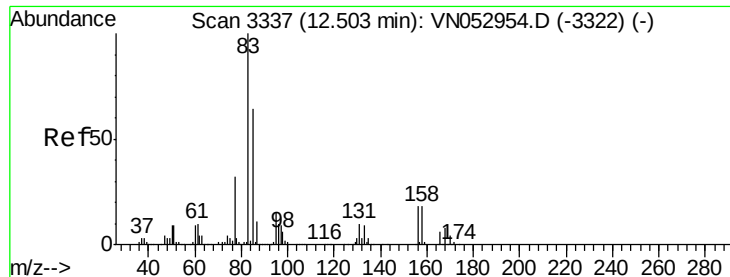
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.373 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

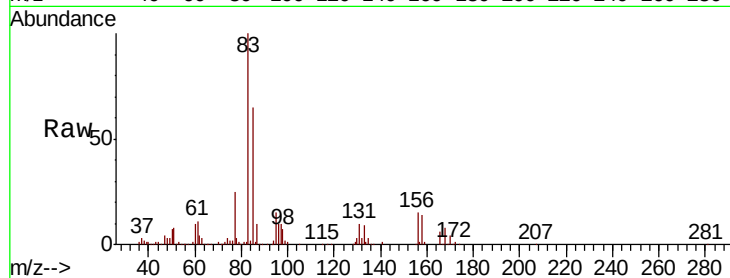
Tot Ion: 83 Resp: 202006

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

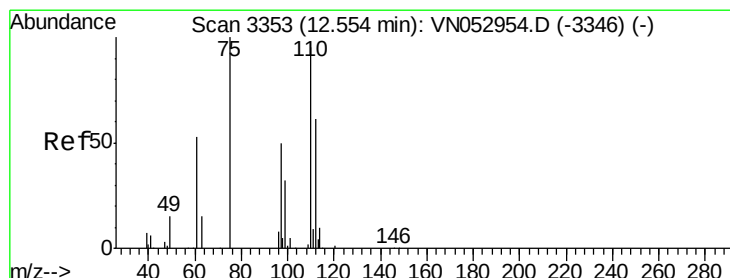
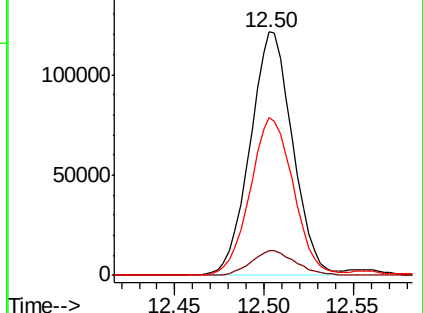
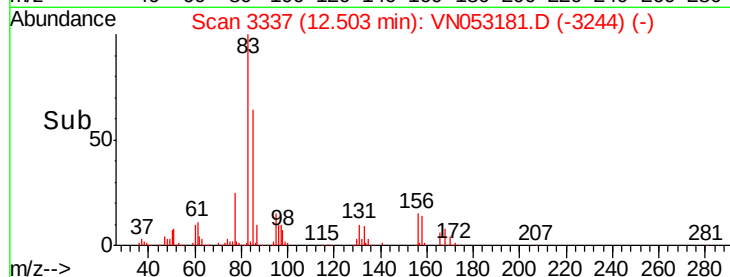
85 66.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053181.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053181.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053181.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.874 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053181.D

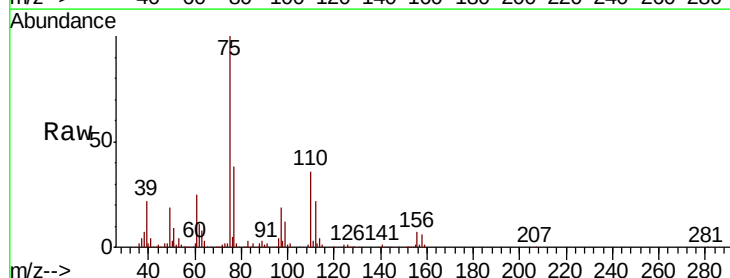
Acq: 24 Dec 2018 13:26

Tgt Ion: 75 Resp: 264196

Ion Ratio Lower Upper

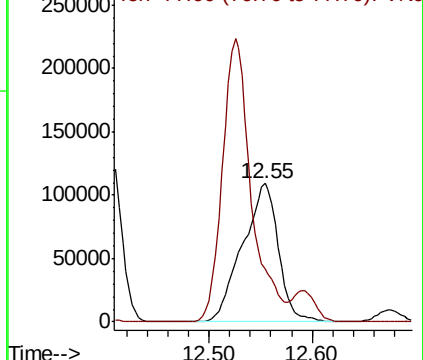
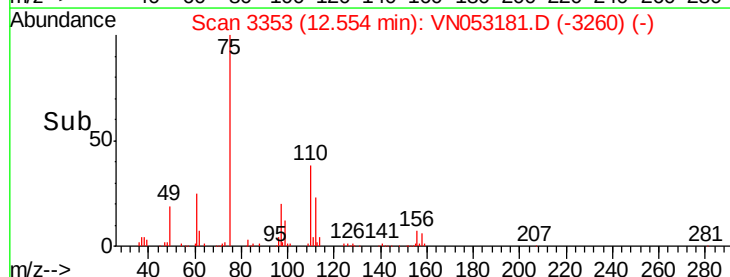
75 100

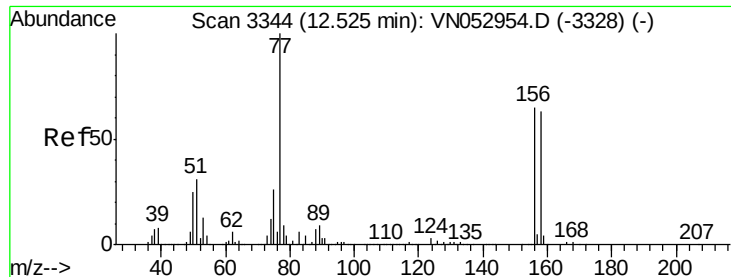
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053181.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053181.D (-3260) (-)





#77

Bromobenzene

Concen: 21.704 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

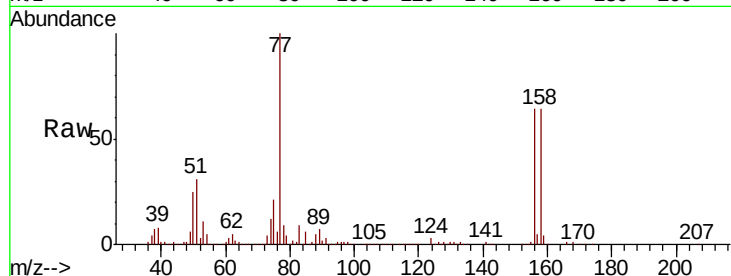
Tot Ion:156 Resp: 248542

Ion Ratio Lower Upper

156 100

77 174.3 91.3 273.8

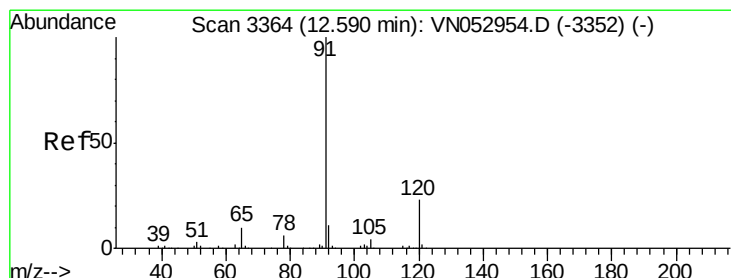
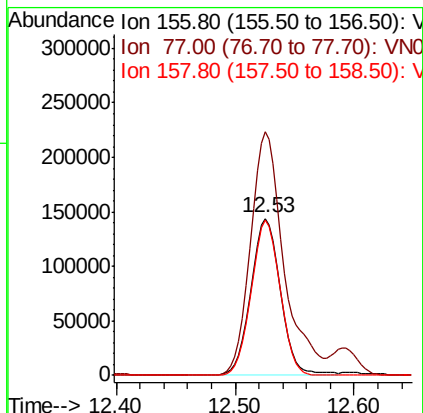
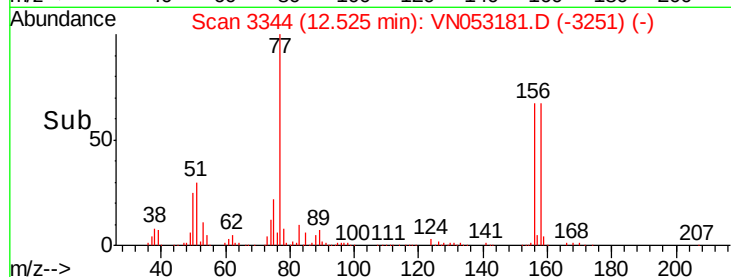
158 95.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.940 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053181.D

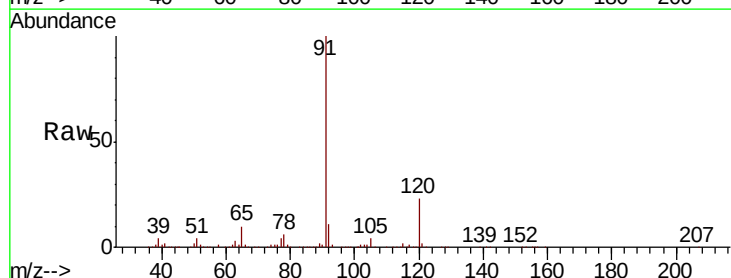
Acq: 24 Dec 2018 13:26

Tgt Ion: 91 Resp: 1050654

Ion Ratio Lower Upper

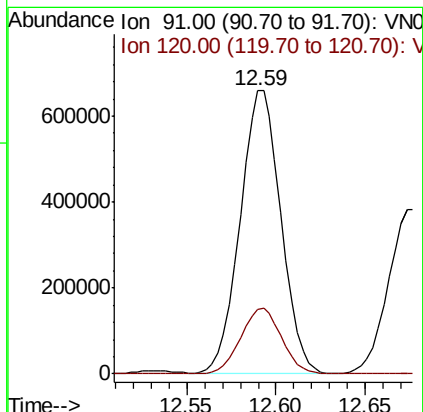
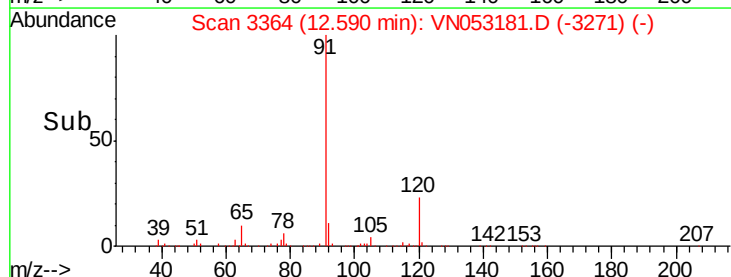
91 100

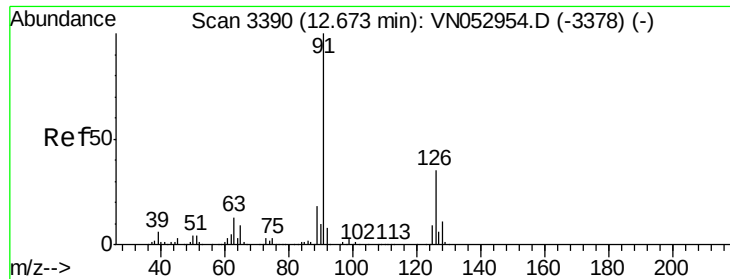
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.458 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampled :

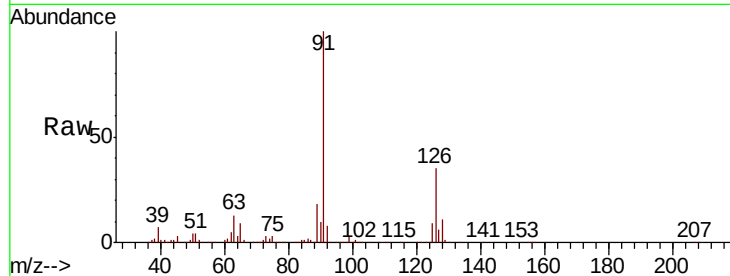
VN1224WBS01

Tot Ion: 91 Resp: 636232

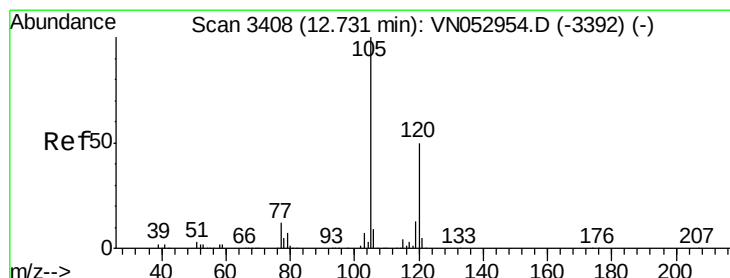
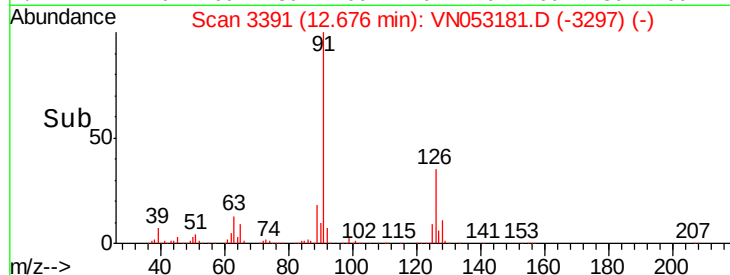
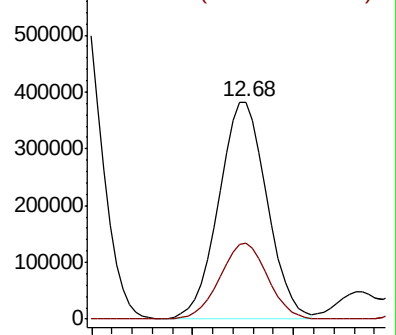
Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN053181.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.957 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053181.D

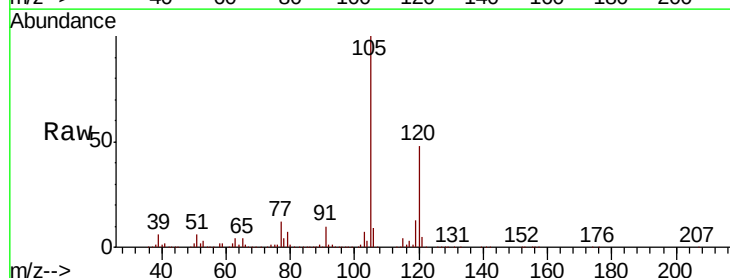
Acq: 24 Dec 2018 13:26

Tgt Ion: 105 Resp: 752519

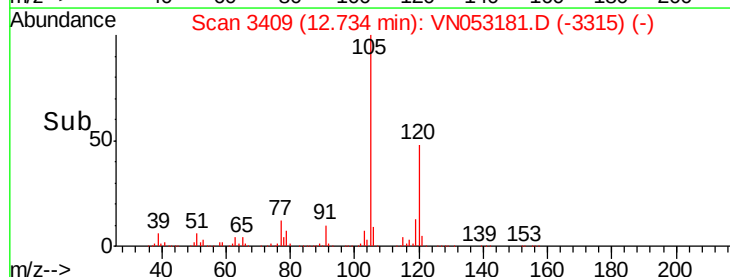
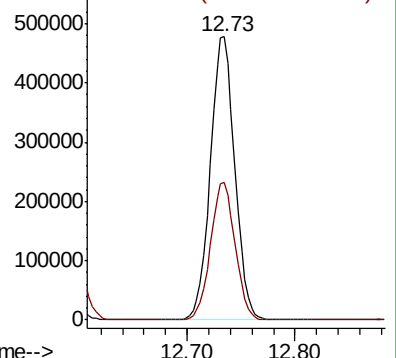
Ion Ratio Lower Upper

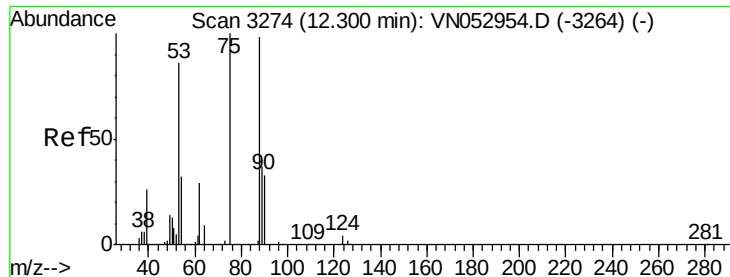
105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053181.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.913 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

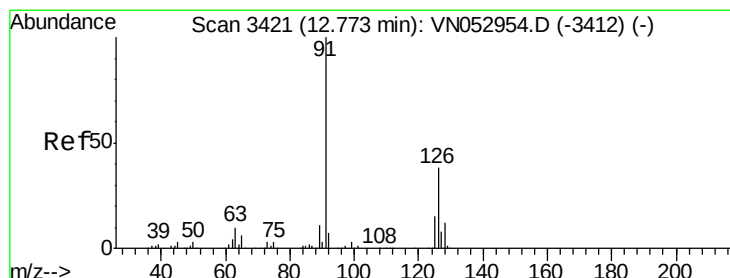
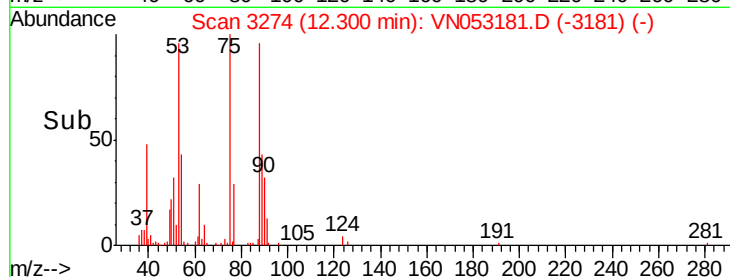
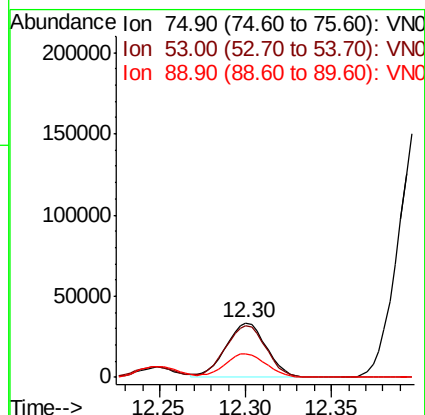
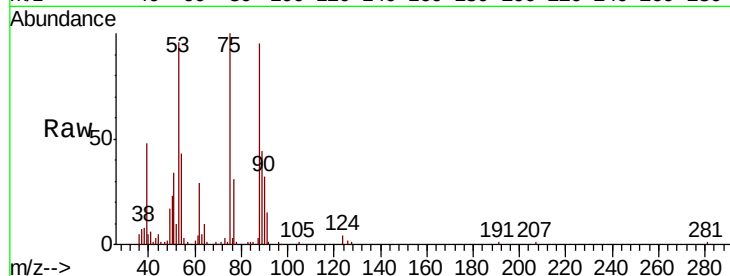
Tot Ion: 75 Resp: 55619

Ion Ratio Lower Upper

75 100

53 94.1 74.7 112.1

89 44.1 36.1 54.1



#82

4-Chlorotoluene

Concen: 21.173 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053181.D

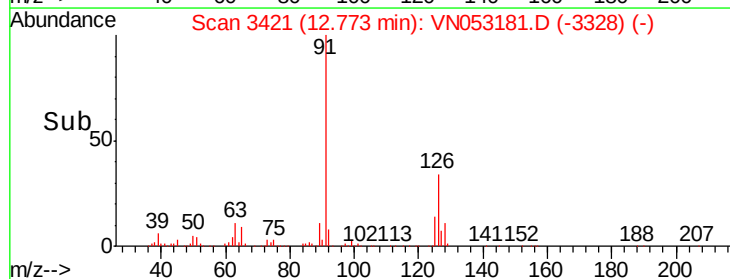
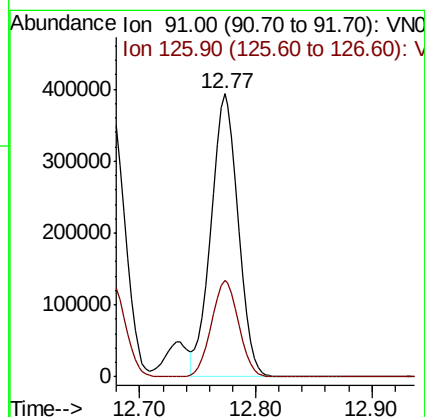
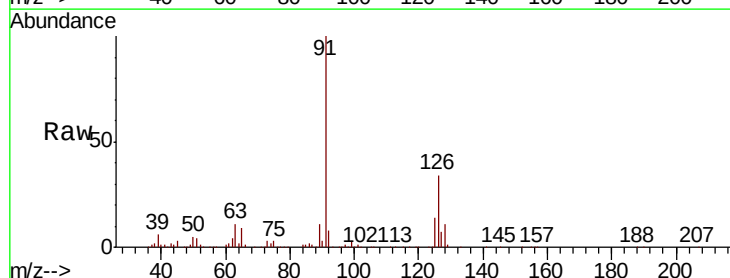
Acq: 24 Dec 2018 13:26

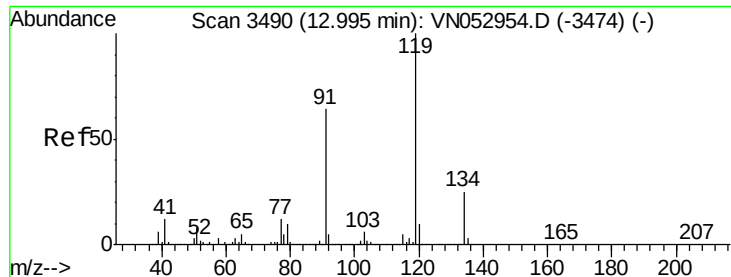
Tgt Ion: 91 Resp: 644579

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.7

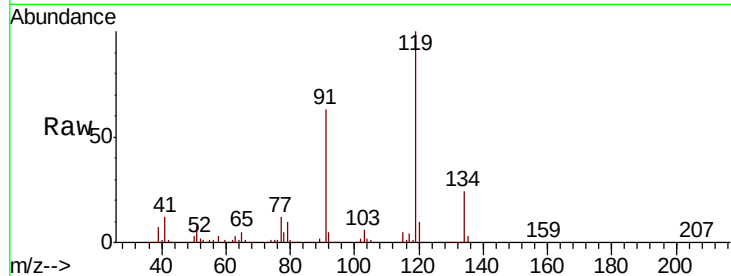




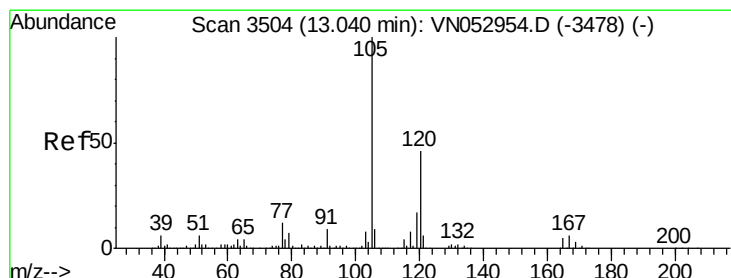
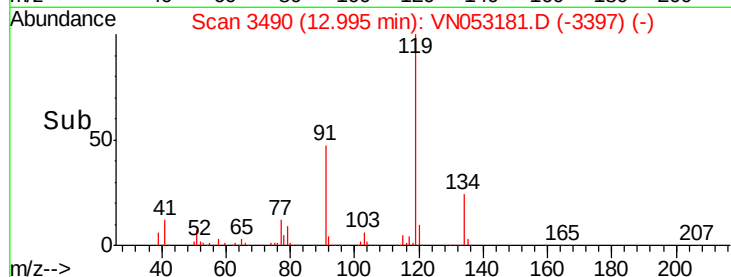
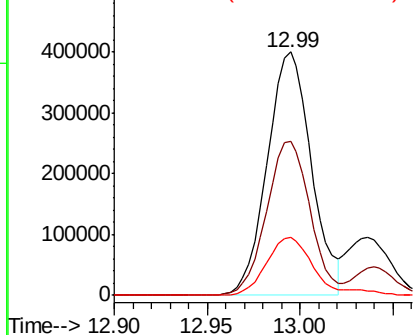
#83
 tert-Butylbenzene
 Concen: 20.897 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN1224WBS01

Tot Ion:119 Resp: 663642
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.9 95.5
 134 25.8 12.8 38.4

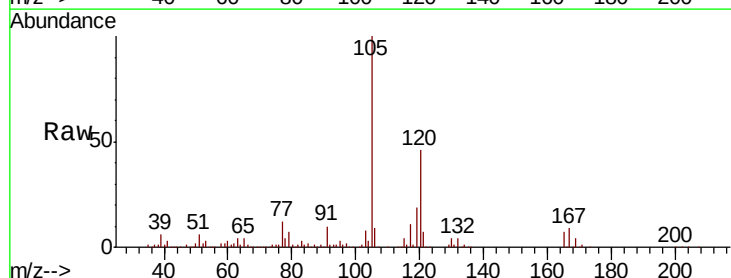


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

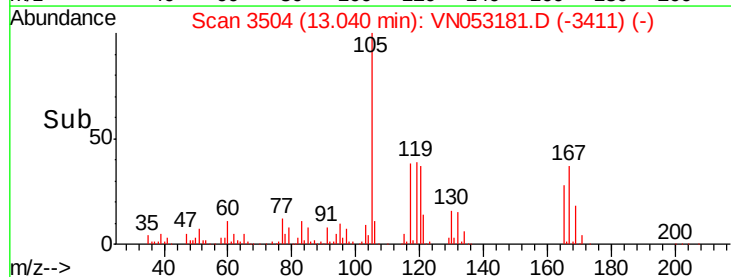
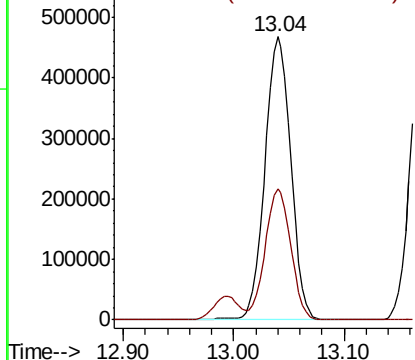


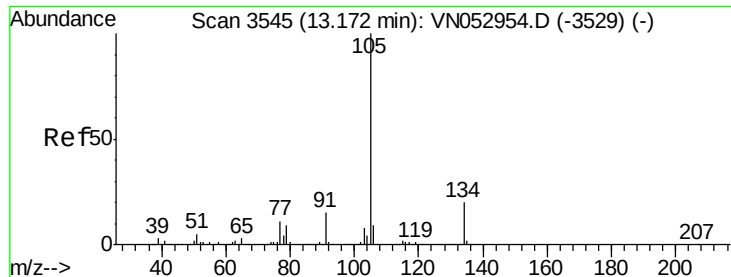
#84
 1,2,4-Trimethylbenzene
 Concen: 21.080 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion:105 Resp: 760920
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 19.791 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

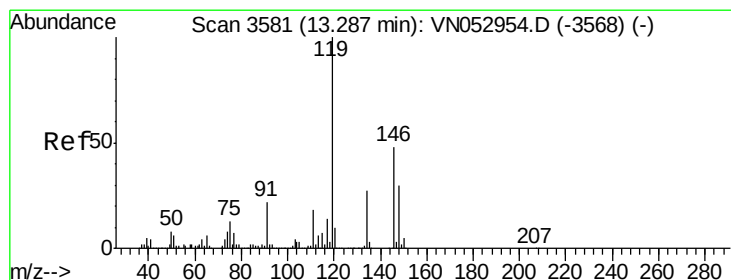
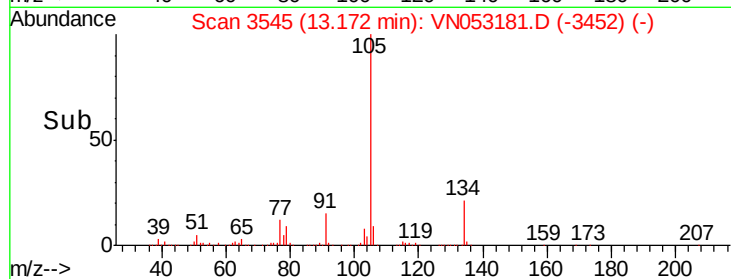
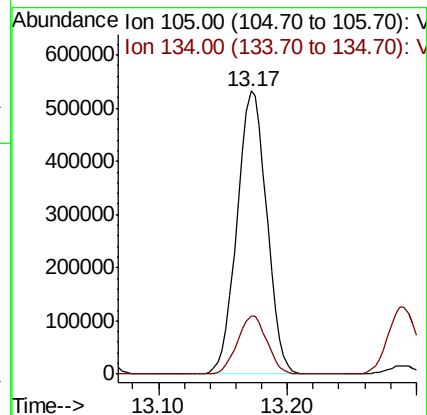
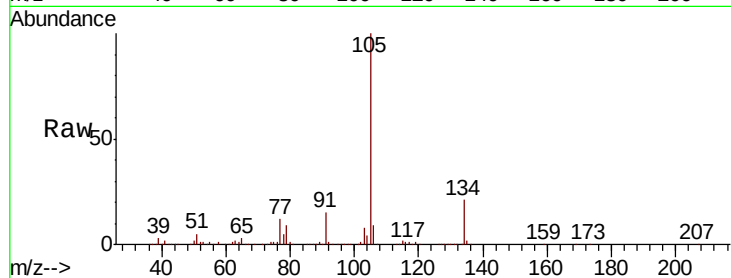
VN1224WBS01

Tot Ion:105 Resp: 850120

Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.3



#86

p-Isopropyltoluene

Concen: 19.824 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

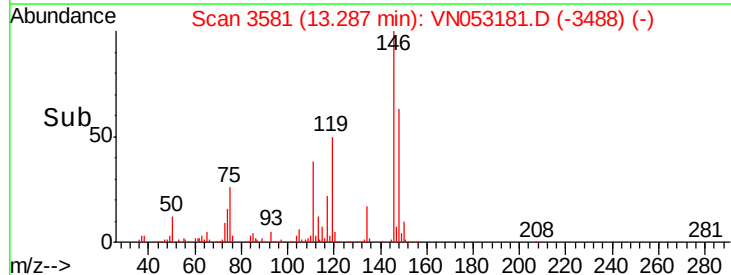
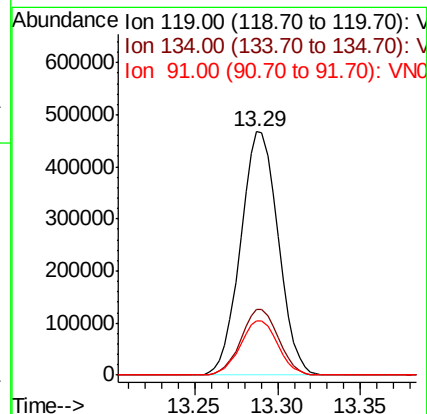
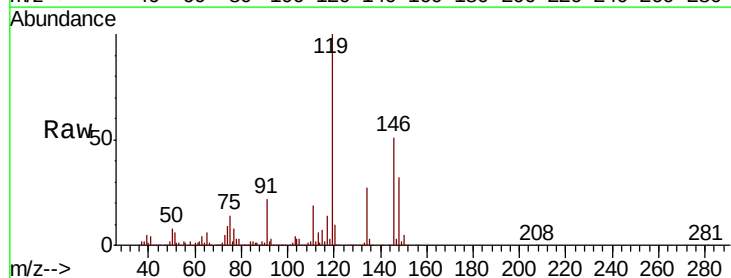
Tgt Ion:119 Resp: 735804

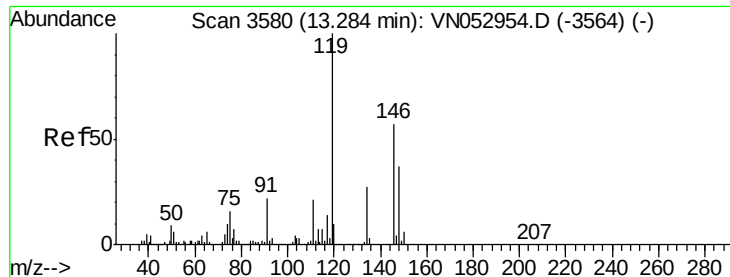
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.422 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

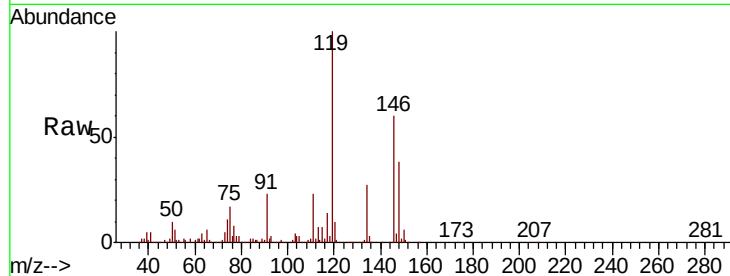
Tot Ion:146 Resp: 413907

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.1

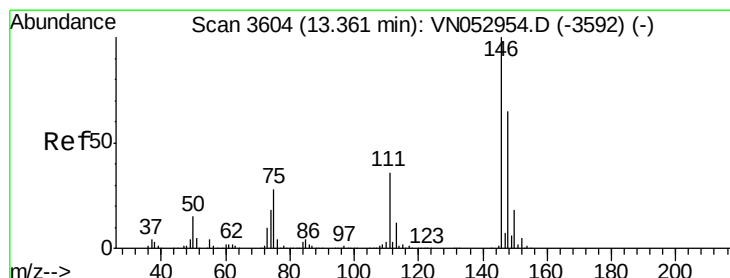
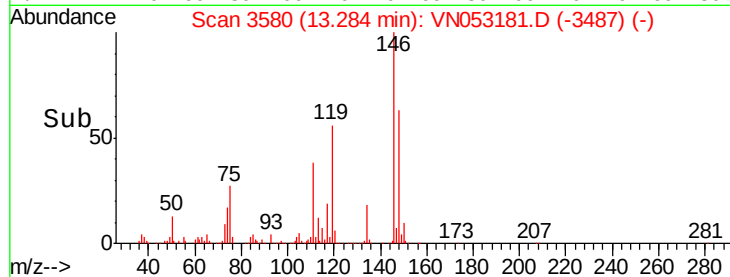
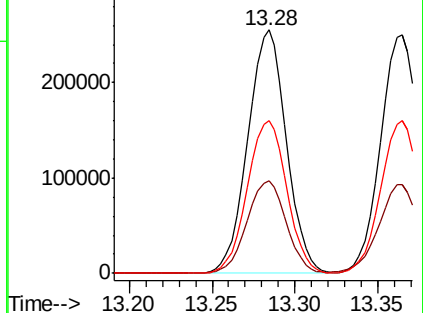
148 64.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.992 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

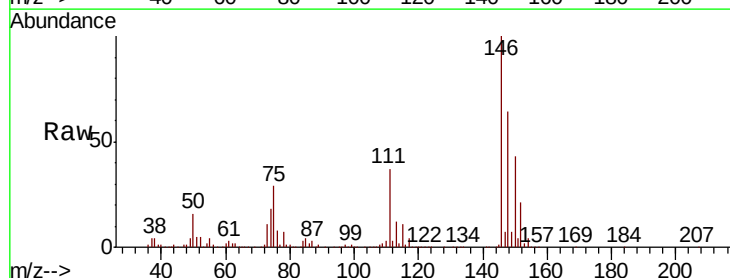
Tgt Ion:146 Resp: 410325

Ion Ratio Lower Upper

146 100

111 38.4 18.6 55.8

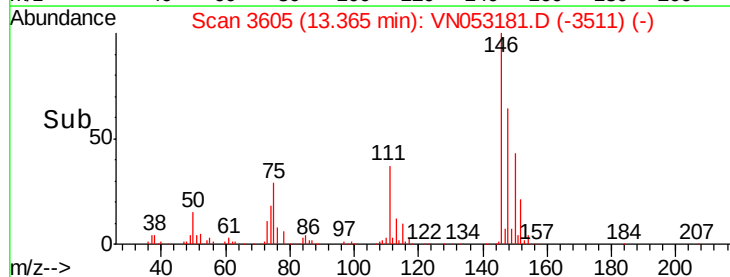
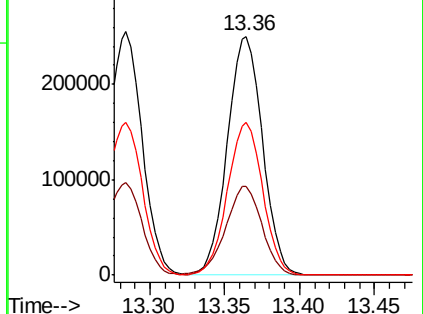
148 64.2 32.1 96.5

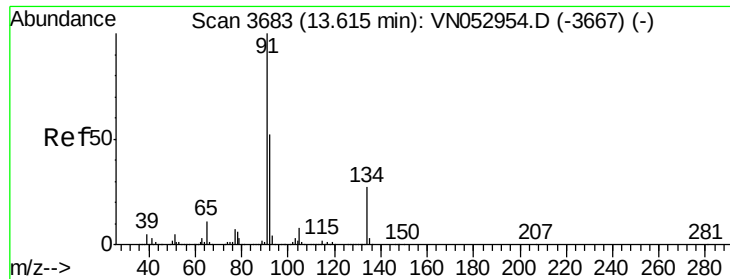


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

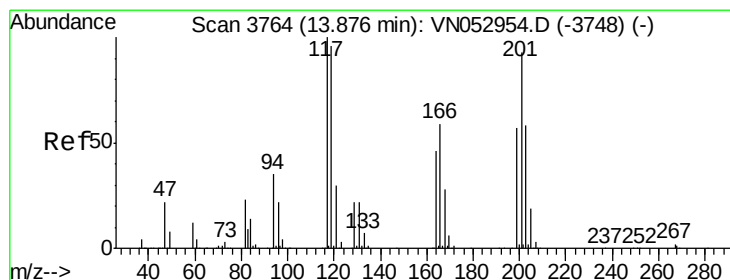
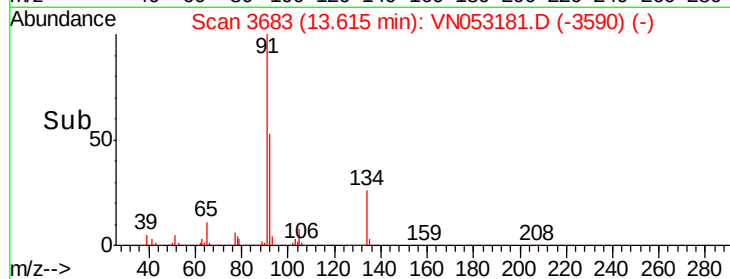
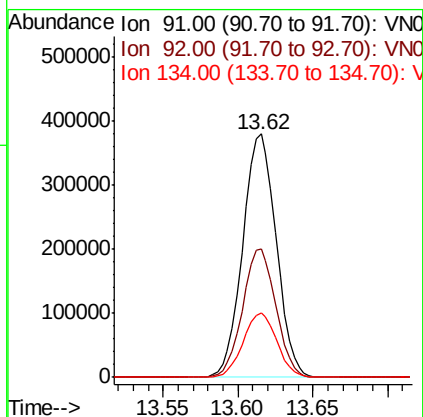
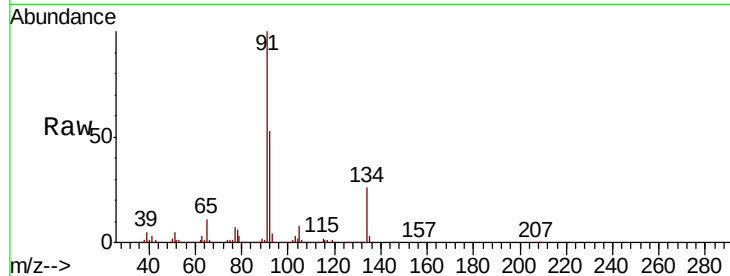




#89
n-Butylbenzene
Concen: 18.503 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

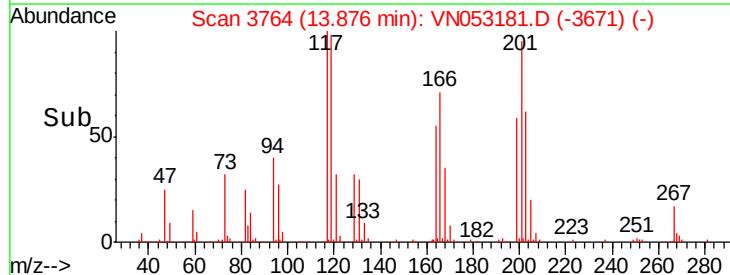
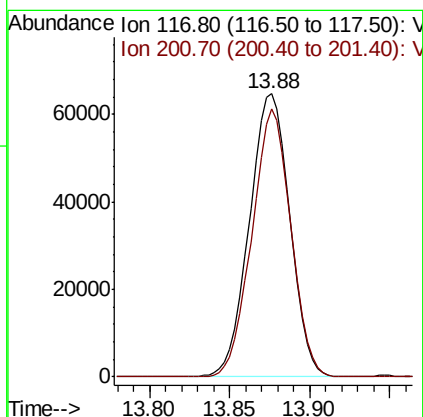
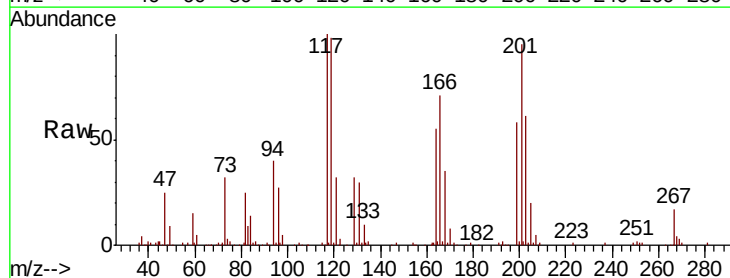
Instrument :
MSVOA_N
ClientSampled :
VN1224WBS01

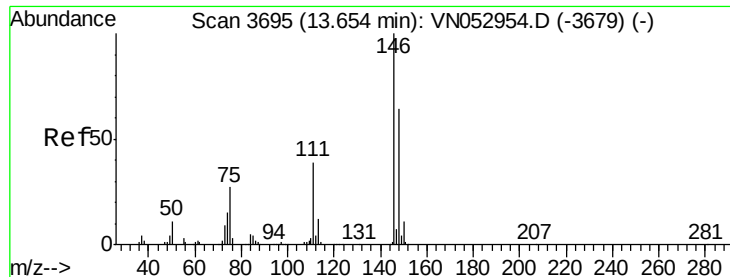
Tot Ion: 91 Resp: 590831
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 26.8 13.3 39.8



#90
Hexachloroethane
Concen: 19.787 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 117 Resp: 112702
Ion Ratio Lower Upper
117 100
201 90.8 45.7 137.1

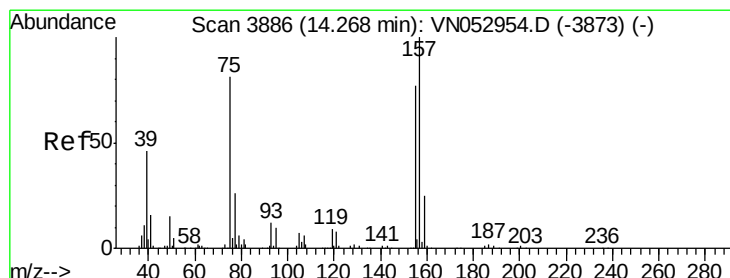
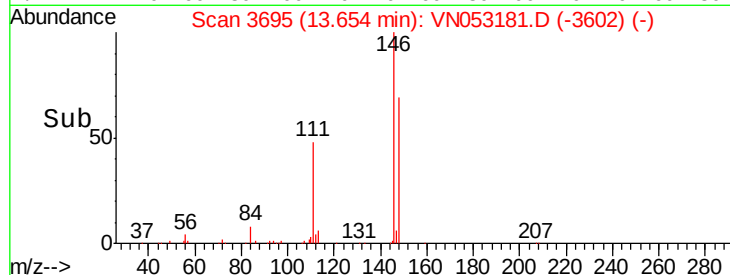
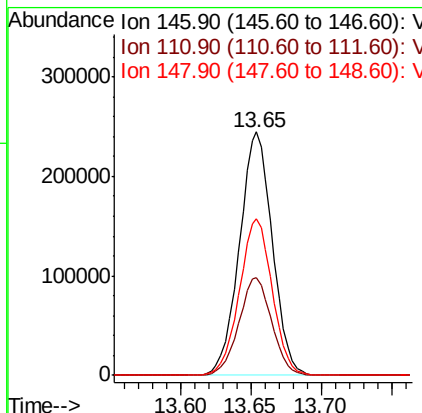
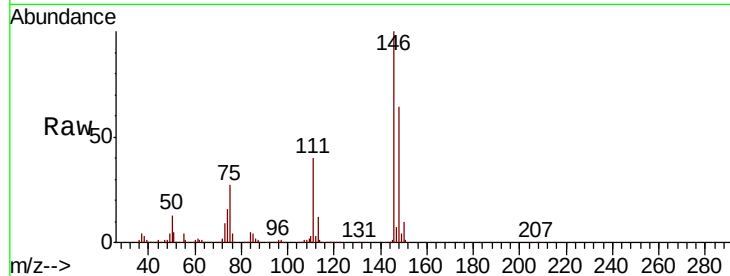




#91
 1,2-Dichlorobenzene
 Concen: 20.949 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

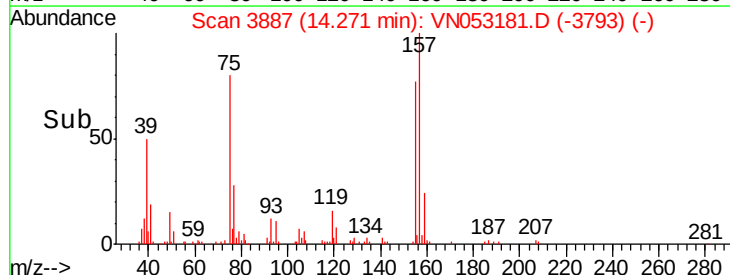
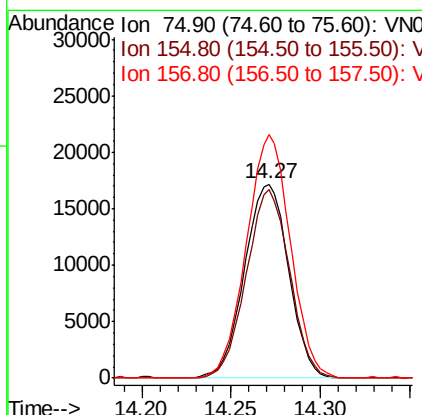
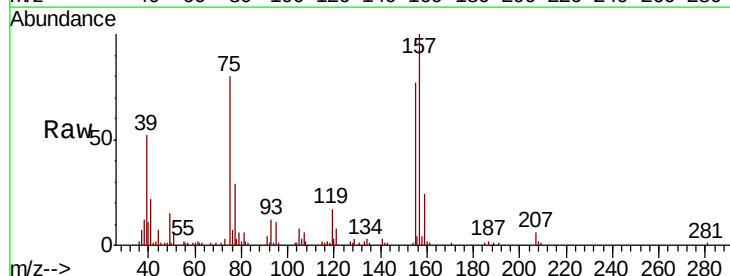
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

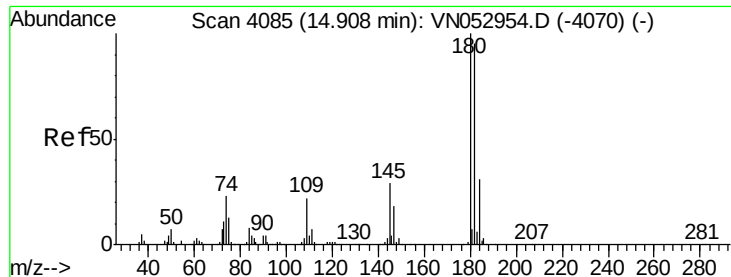
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.1	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.931 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	48.2	144.6
157	124.7	61.2	183.5

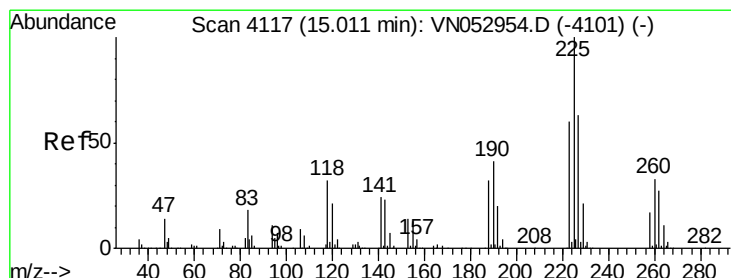
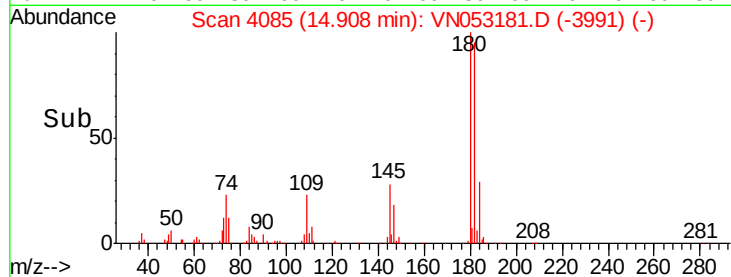
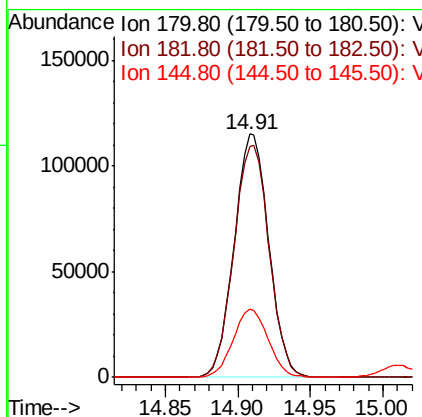
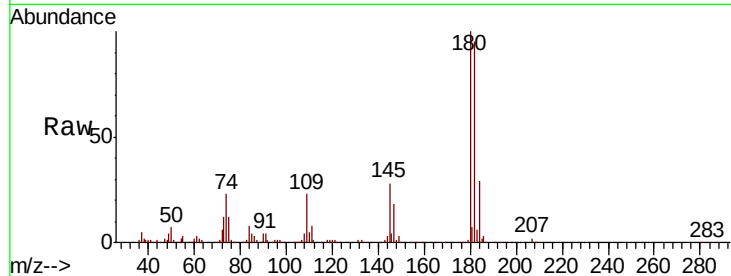




#93
 1,2,4-Trichlorobenzene
 Concen: 19.257 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

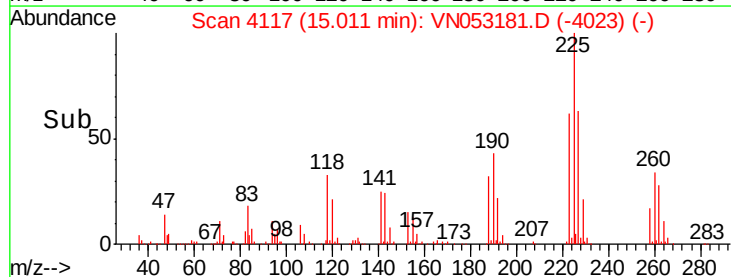
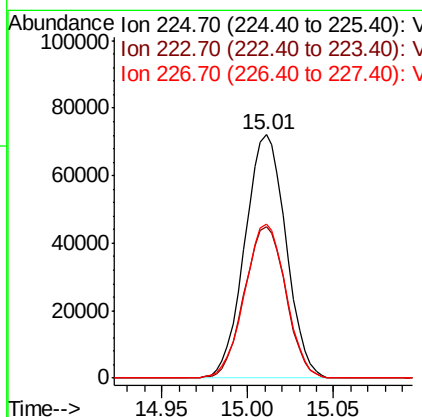
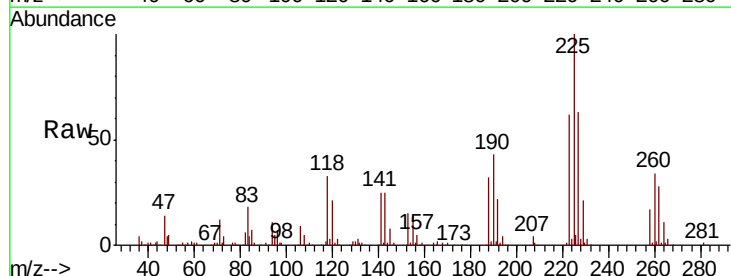
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

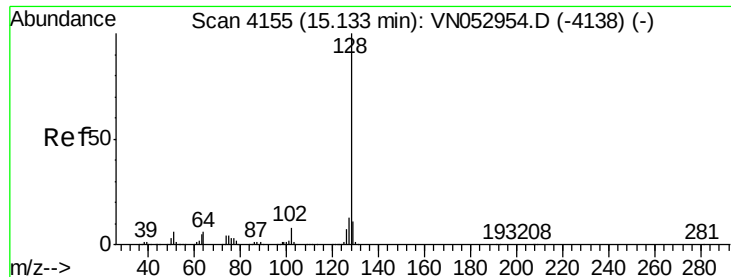
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.3
145	28.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 21.221 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	63.5	31.9	95.7





#95

Naphthalene

Concen: 20.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

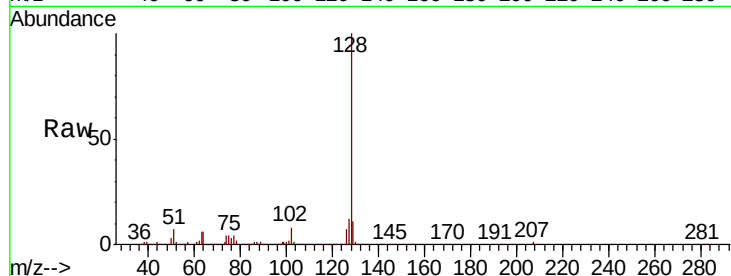
Tot Ion:128 Resp: 433160

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

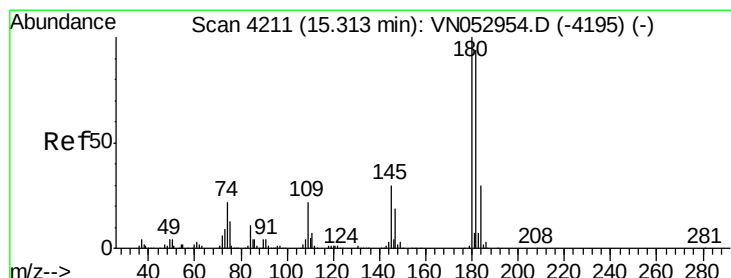
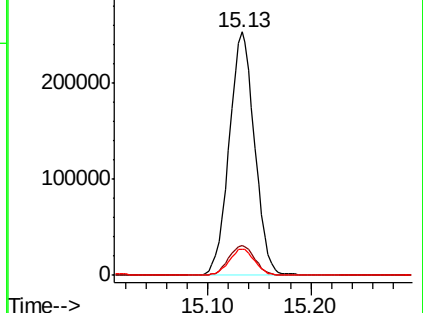
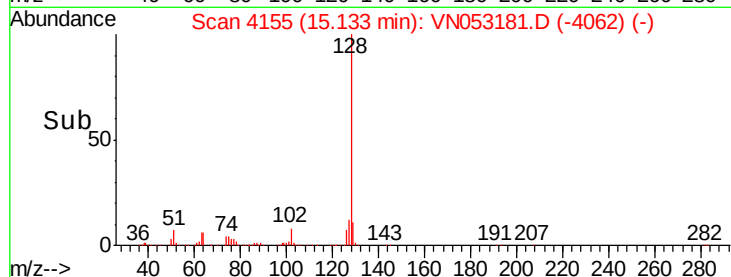
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.279 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

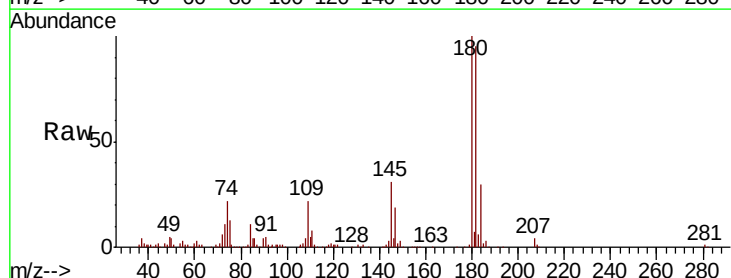
Tgt Ion:180 Resp: 172579

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.7

145 31.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

