

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053057.D
 Acq On : 20 Dec 2018 15:28
 Operator : MD\SY
 Sample : VN1220WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 00:17:49 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	1034006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1590217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1396319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643502	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	556043	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.59	113	437075	60.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.34%	
50) Toluene-d8	10.09	98	2006579	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	686818	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	196422	18.770	ug/l 99
3) Chloromethane	2.06	50	240156	18.938	ug/l 99
4) Vinyl Chloride	2.19	62	243160	18.933	ug/l 99
5) Bromomethane	2.57	94	155980	17.529	ug/l 99
6) Chloroethane	2.71	64	146714	19.288	ug/l 99
7) Trichlorofluoromethane	3.03	101	313213	19.577	ug/l 98
8) Diethyl Ether	3.41	74	121984	20.210	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194003	19.018	ug/l 98
10) Methyl Iodide	3.96	142	276569	19.306	ug/l 98
11) Tert butyl alcohol	4.78	59	65541	102.367	ug/l 97
12) 1,1-Dichloroethene	3.74	96	192414	19.524	ug/l 96
13) Acrolein	3.61	56	56187	96.783	ug/l 98
14) Allyl chloride	4.33	41	289906	18.991	ug/l 99
15) Acrylonitrile	4.99	53	356379	100.193	ug/l 99
16) Acetone	3.82	43	219902	106.884	ug/l 95
17) Carbon Disulfide	4.06	76	527891	16.424	ug/l 99
18) Methyl Acetate	4.33	43	181397	20.032	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	541172	20.519	ug/l 99
20) Methylene Chloride	4.55	84	219479	19.557	ug/l 100
21) trans-1,2-Dichloroethene	5.05	96	202267	19.102	ug/l 99
22) Diisopropyl ether	5.95	45	667607	20.488	ug/l 99
23) Vinyl Acetate	5.90	43	1959798	104.593	ug/l 98
24) 1,1-Dichloroethane	5.85	63	383334	19.797	ug/l 99
25) 2-Butanone	6.84	43	371778	107.674	ug/l 98
26) 2,2-Dichloropropane	6.83	77	260705	17.638	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	235015	19.605	ug/l 99
28) Bromochloromethane	7.20	49	182878	21.796	ug/l 96
29) Tetrahydrofuran	7.21	42	267656	103.791	ug/l 98
30) Chloroform	7.37	83	372730	19.596	ug/l 100
31) Cyclohexane	7.65	56	365321	19.475	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	311972	19.253	ug/l 99
36) 1,1-Dichloropropene	7.79	75	284958	18.669	ug/l 99
37) Ethyl Acetate	6.93	43	179690	21.089	ug/l 99
38) Carbon Tetrachloride	7.78	117	260543	18.623	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	335089	18.072	ug/l	98
40) Benzene	8.04	78	889298	19.588	ug/l	99
41) Methacrylonitrile	7.17	41	104704	21.267	ug/l	95
42) 1,2-Dichloroethane	8.12	62	265205	19.774	ug/l	99
43) Isopropyl Acetate	8.17	43	328343	19.271	ug/l	99
44) Trichloroethene	8.84	130	243032	18.507	ug/l	99
45) 1,2-Dichloropropane	9.12	63	235084	19.879	ug/l	99
46) Dibromomethane	9.21	93	133958	19.446	ug/l	98
47) Bromodichloromethane	9.40	83	276410	18.876	ug/l	98
48) Methyl methacrylate	9.20	41	164116	19.849	ug/l	99
49) 1,4-Dioxane	9.20	88	41516	396.940	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	864051	104.712	ug/l	99
52) Toluene	10.16	92	550499	19.563	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	279485	18.150	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	333462	18.867	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	197116	20.078	ug/l	98
56) Ethyl methacrylate	10.43	69	258280	19.877	ug/l	97
57) 1,3-Dichloropropane	10.71	76	335056	19.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	744641	104.383	ug/l	98
59) 2-Hexanone	10.75	43	578276	103.579	ug/l	99
60) Dibromochloromethane	10.90	129	207346	18.451	ug/l	100
61) 1,2-Dibromoethane	11.00	107	193493	19.406	ug/l	100
64) Tetrachloroethene	10.63	164	280796	18.565	ug/l	100
65) Chlorobenzene	11.43	112	598042	19.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208764	19.395	ug/l	99
67) Ethyl Benzene	11.51	91	1037078	19.483	ug/l	100
68) m/p-Xylenes	11.62	106	785394	38.812	ug/l	100
69) o-Xylene	11.95	106	380996	19.621	ug/l	99
70) Styrene	11.96	104	626744	19.794	ug/l	99
71) Bromoform	12.13	173	138330	17.790	ug/l #	99
73) Isopropylbenzene	12.25	105	1011723	20.094	ug/l	100
74) N-amyl acetate	12.07	43	289077	20.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	214010	21.666	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	286693	26.466	ug/l #	100
77) Bromobenzene	12.53	156	258626	19.761	ug/l	99
78) n-propylbenzene	12.59	91	1128432	19.679	ug/l	99
79) 2-Chlorotoluene	12.68	91	676431	19.031	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	810785	19.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59322	17.650	ug/l	99
82) 4-Chlorotoluene	12.77	91	684340	19.668	ug/l	100
83) tert-Butylbenzene	12.99	119	712918	19.642	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	839814	20.357	ug/l	100
85) sec-Butylbenzene	13.17	105	926345	18.870	ug/l	99
86) p-Isopropyltoluene	13.29	119	800877	18.880	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	442894	19.120	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	433132	18.464	ug/l	98
89) n-Butylbenzene	13.62	91	638293	17.490	ug/l	100
90) Hexachloroethane	13.88	117	112928	17.348	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	424078	19.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32262	18.890	ug/l	99

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QLast Update : Tue Dec 18 13:03:37 2018
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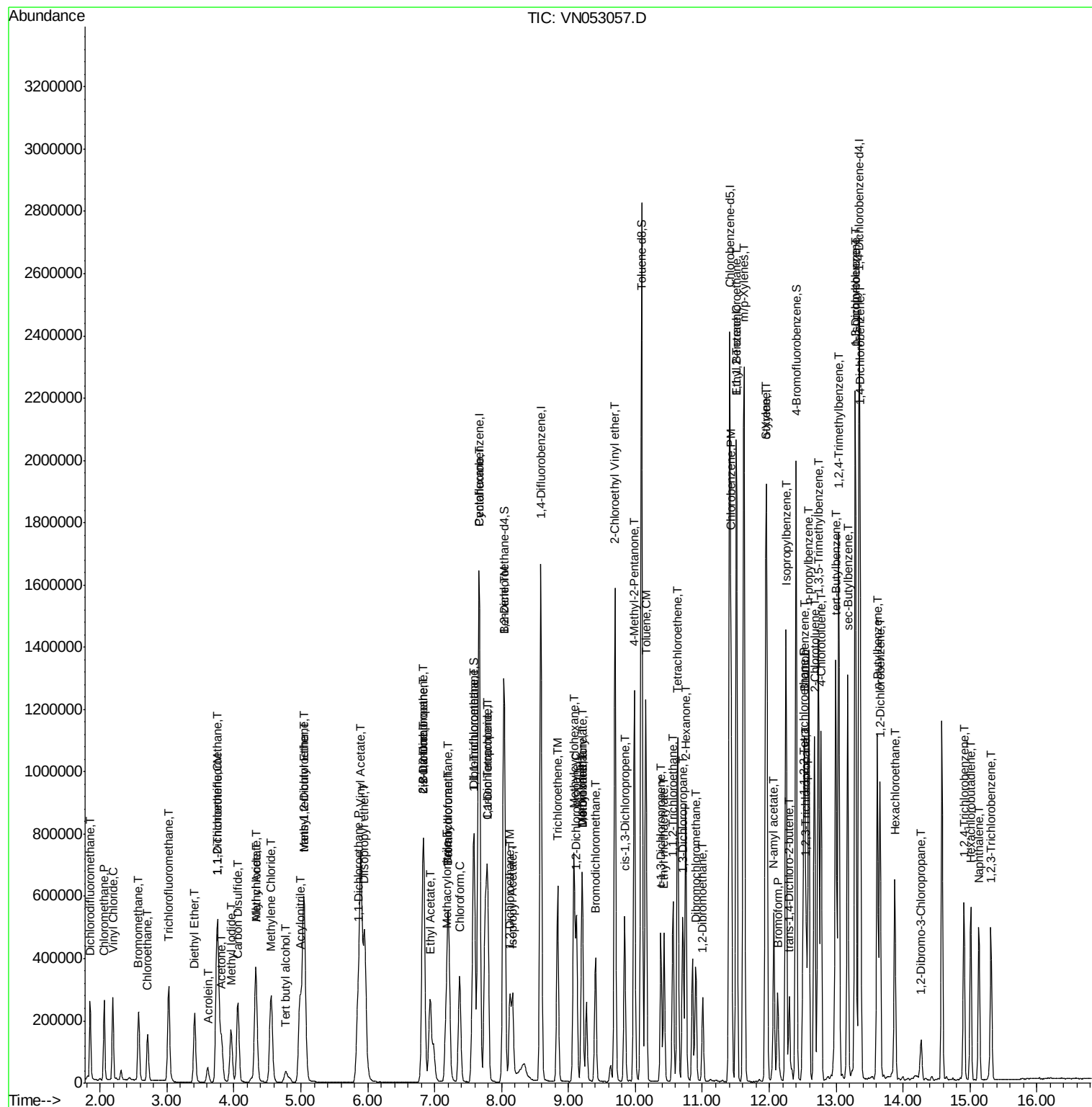
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	202142	17.889	ug/l	99
94) Hexachlorobutadiene	15.01	225	121665	18.537	ug/l	100
95) Naphthalene	15.13	128	438151	18.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	180883	17.722	ug/l	100

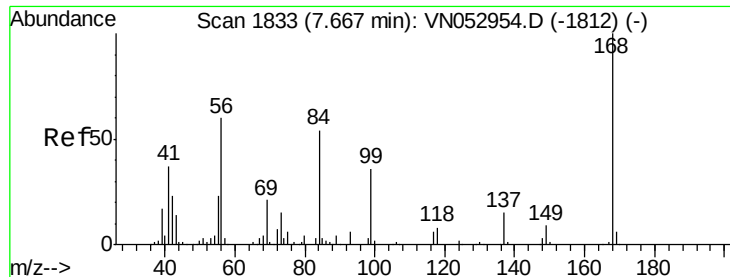
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

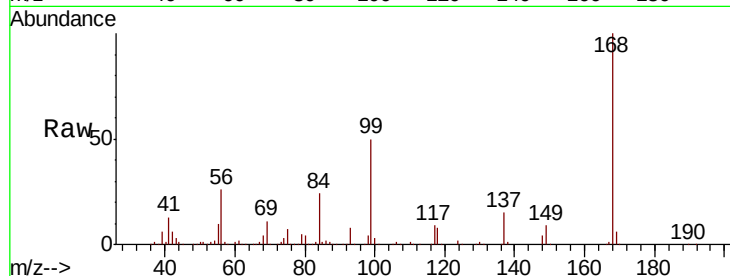
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1034006

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): VN0

7.67

400000

300000

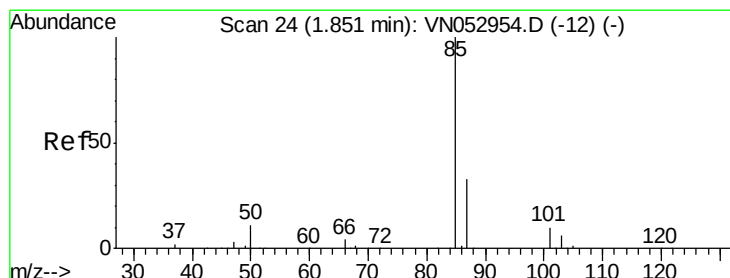
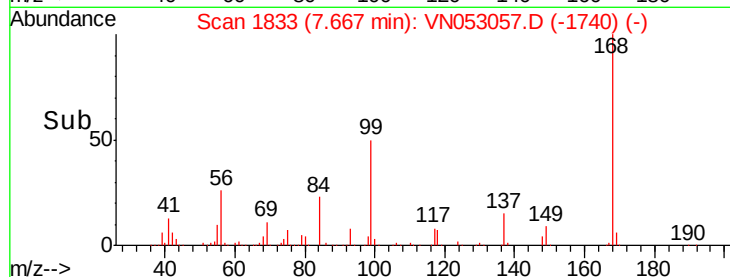
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.770 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053057.D

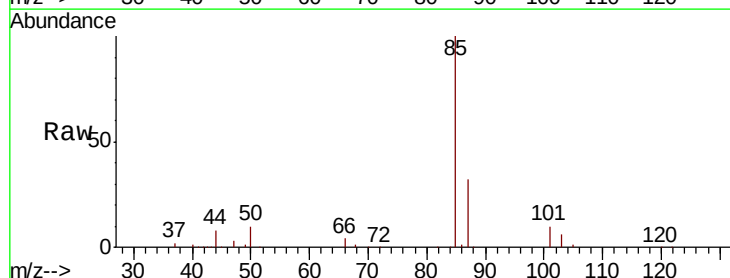
Acq: 20 Dec 2018 15:28

Tgt Ion: 85 Resp: 196422

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

150000

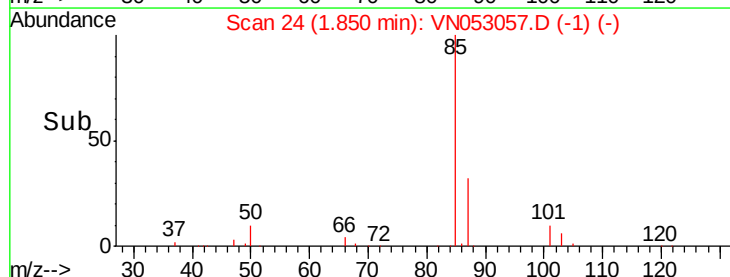
100000

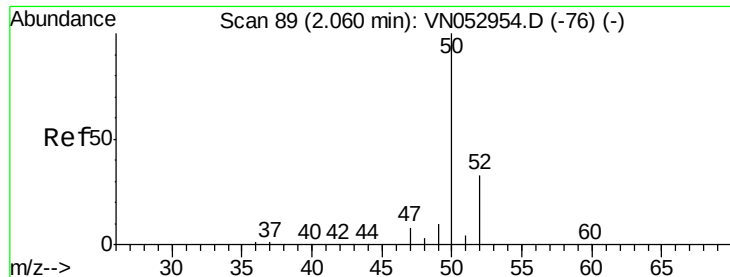
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.938 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

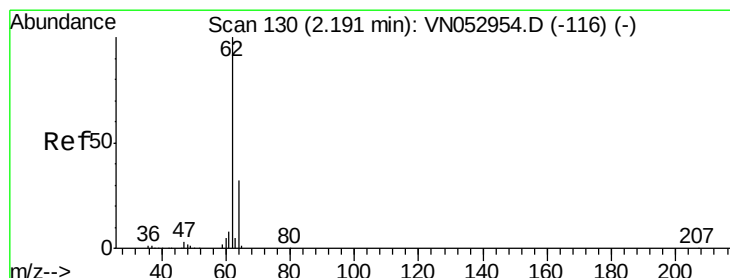
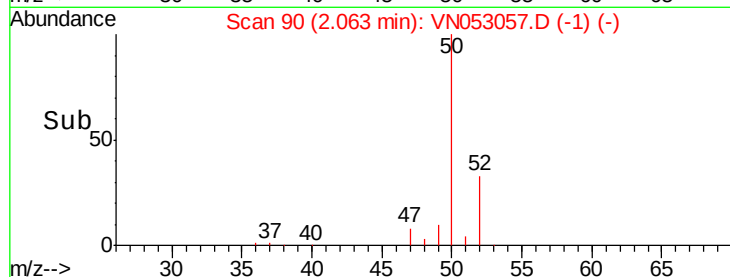
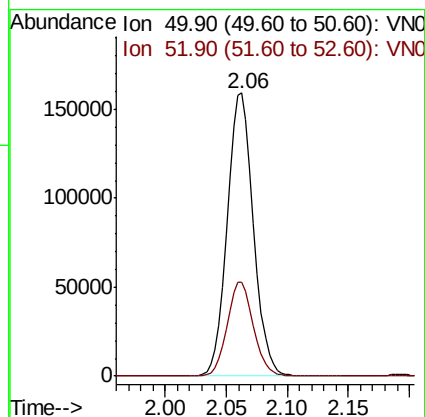
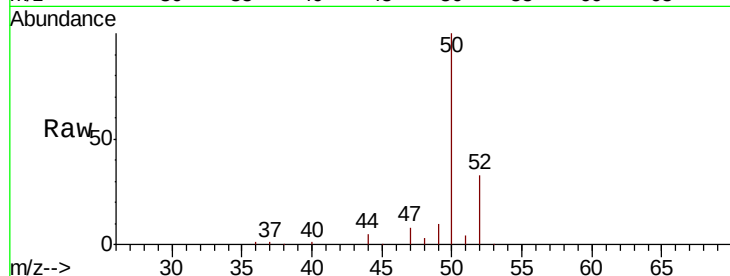
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 240156

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.4



#4

Vinyl Chloride

Concen: 18.933 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053057.D

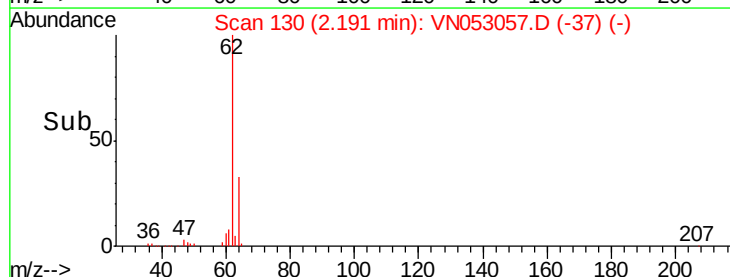
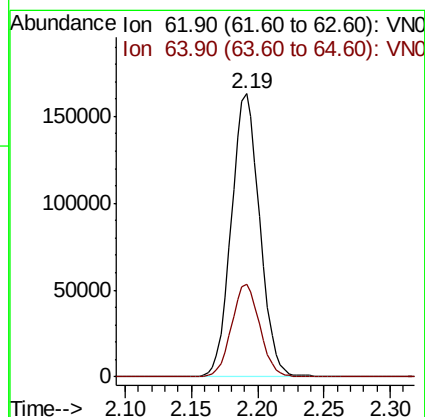
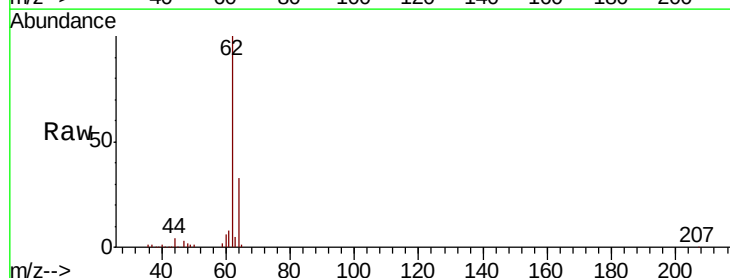
Acq: 20 Dec 2018 15:28

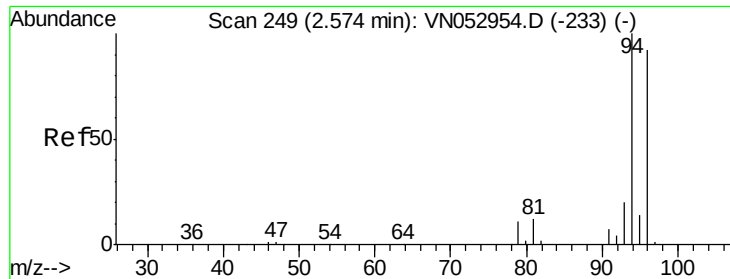
Tgt Ion: 62 Resp: 243160

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 17.529 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

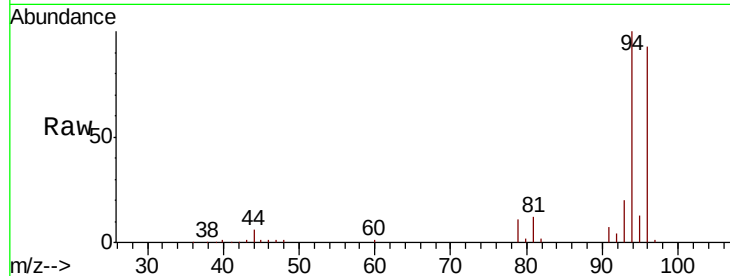
ClientSampleId :

Tot Ion: 94 Resp: 155980

Ion Ratio Lower Upper

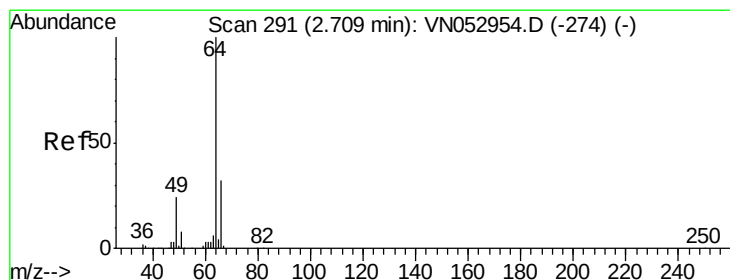
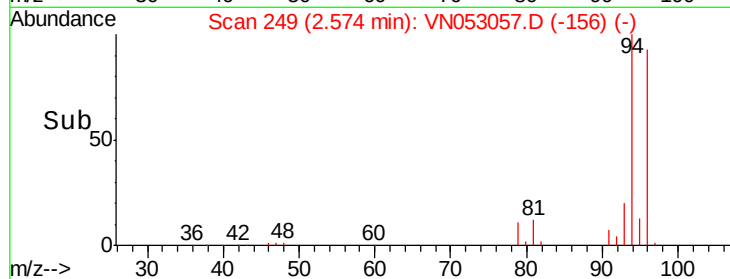
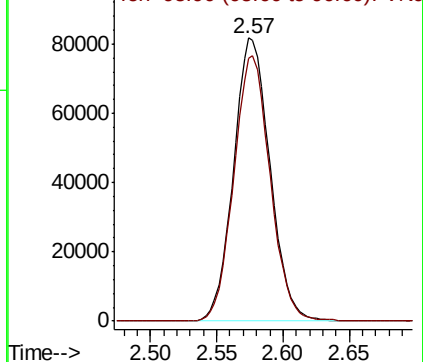
94 100

96 92.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.288 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053057.D

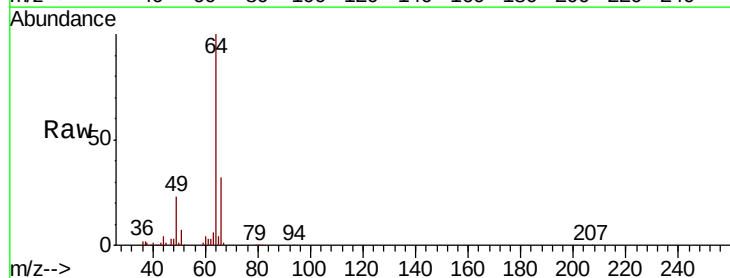
Acq: 20 Dec 2018 15:28

Tgt Ion: 64 Resp: 146714

Ion Ratio Lower Upper

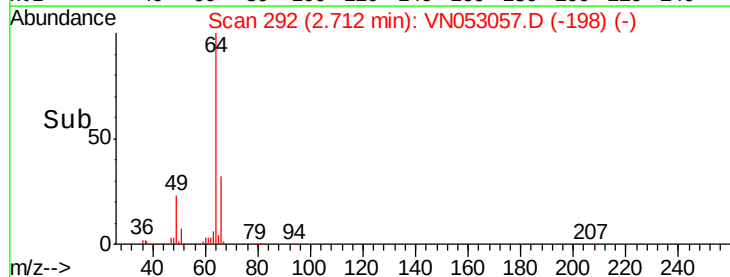
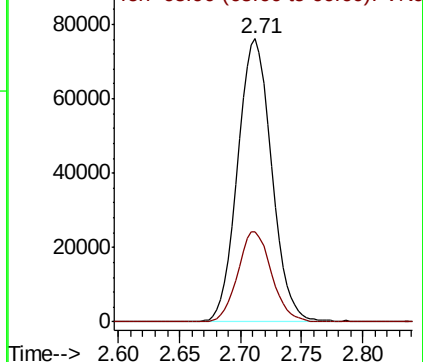
64 100

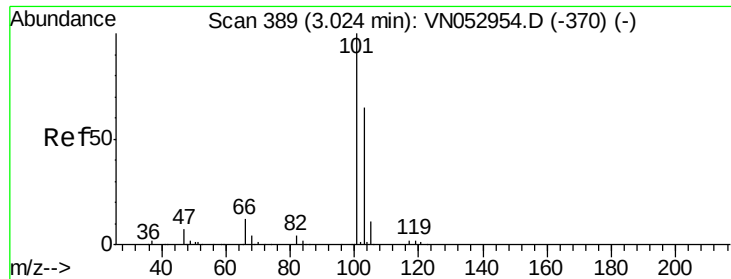
66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



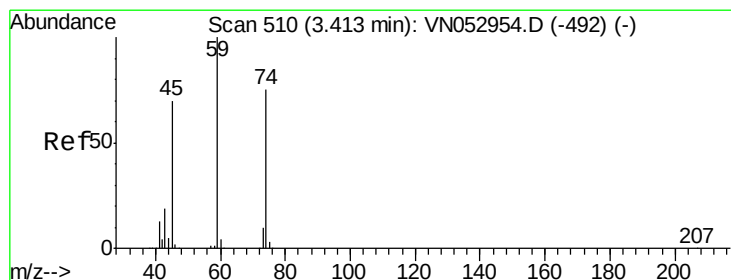
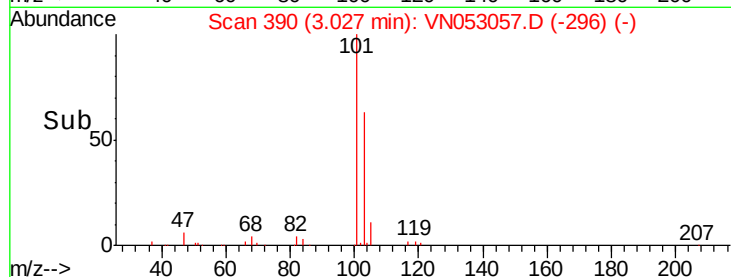
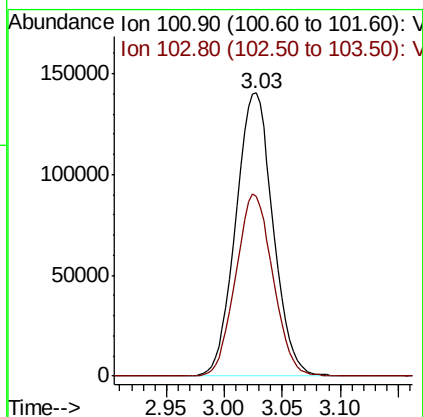
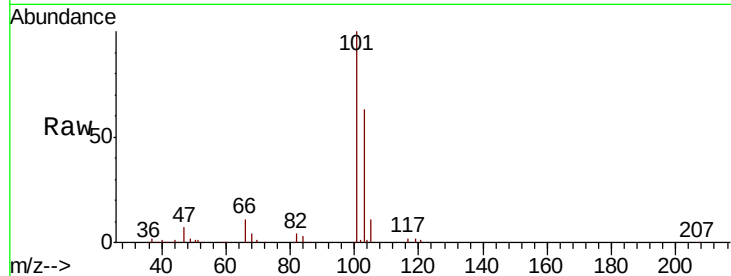


#7

Trichlorofluoromethane
 Concen: 19.577 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampled :

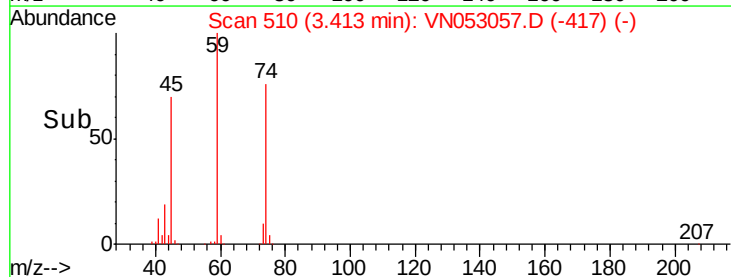
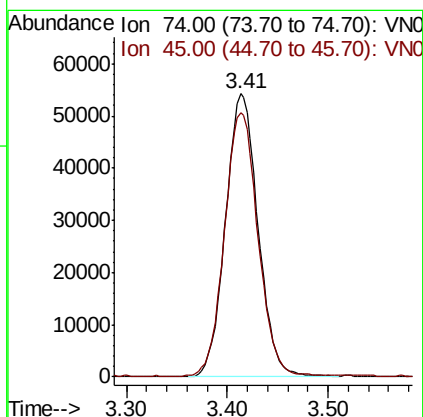
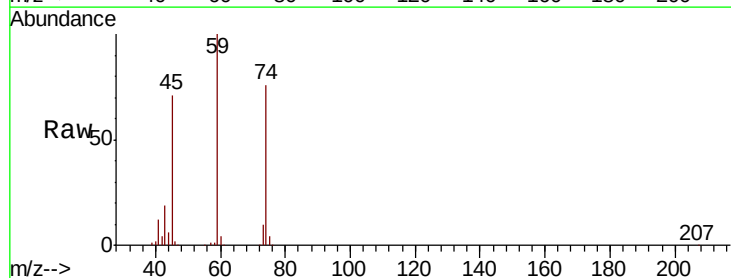
Tot Ion:101 Resp: 313213
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.8 77.6

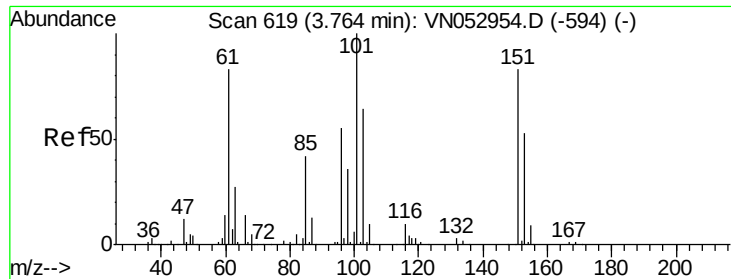


#8

Diethyl Ether
 Concen: 20.210 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion: 74 Resp: 121984
 Ion Ratio Lower Upper
 74 100
 45 96.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.018 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

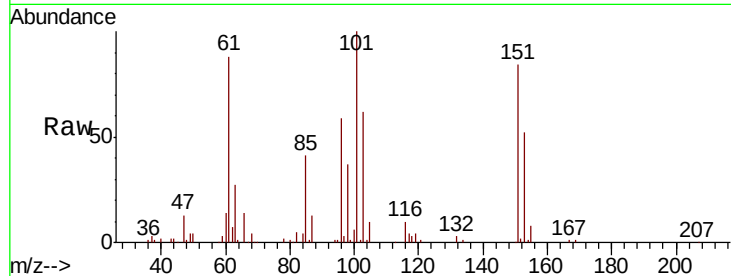
Tot Ion:101 Resp: 194003

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

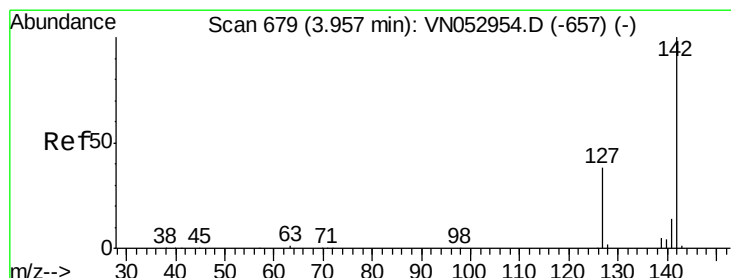
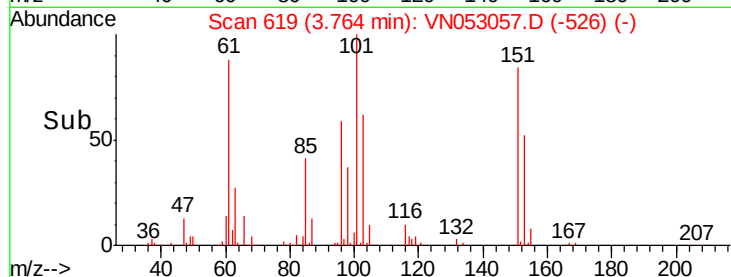
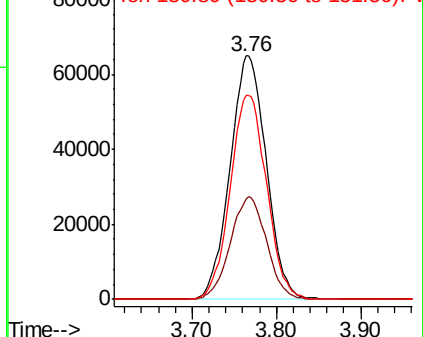
151 83.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.306 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

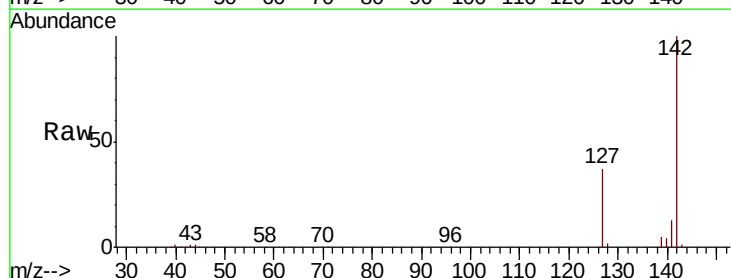
Tgt Ion:142 Resp: 276569

Ion Ratio Lower Upper

142 100

127 37.3 31.0 46.6

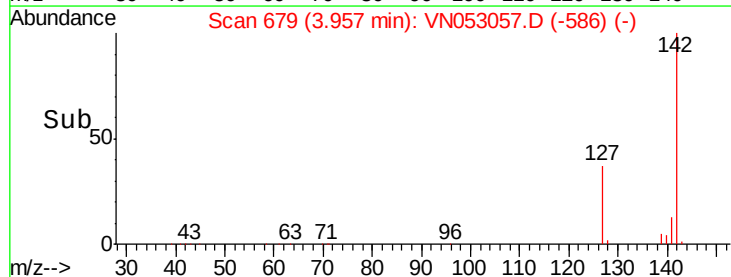
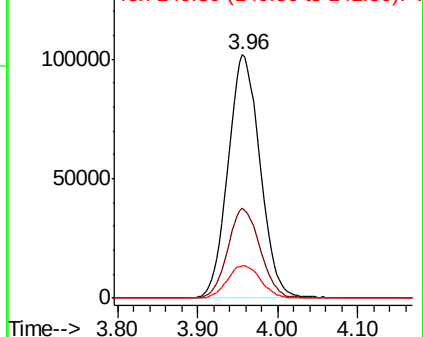
141 13.9 11.2 16.8

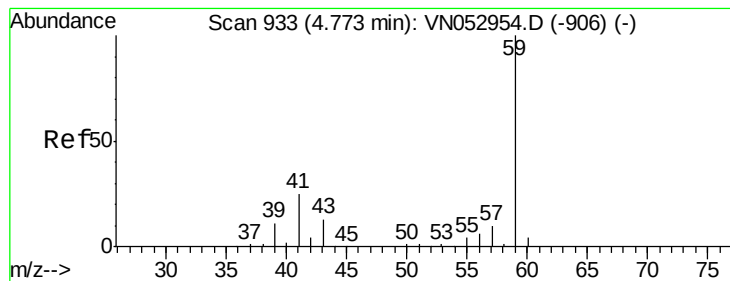


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



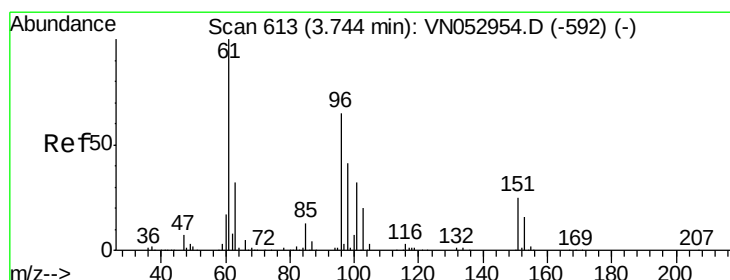
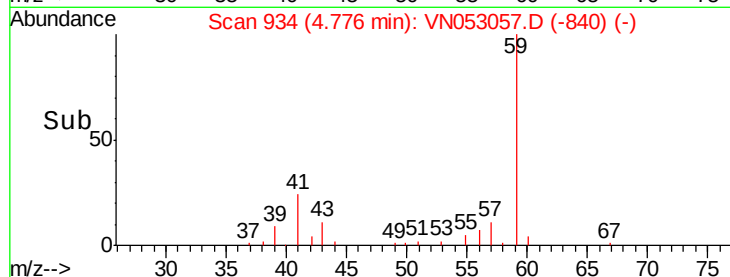
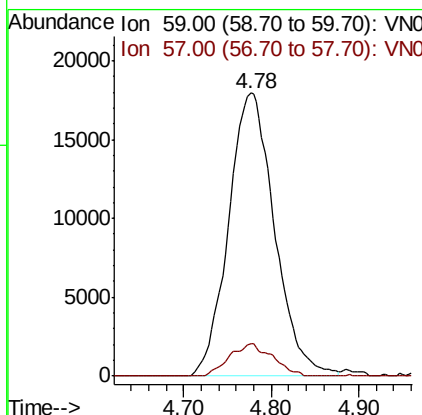
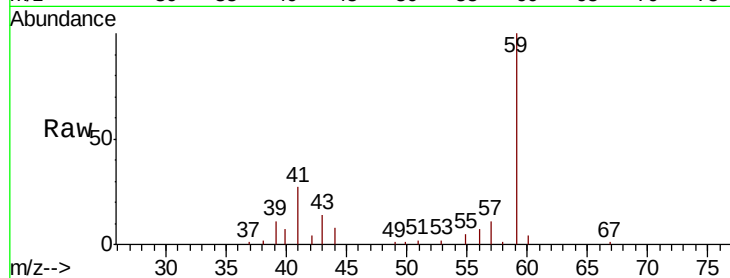


#11

Tert butyl alcohol
 Concen: 102.367 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampled :

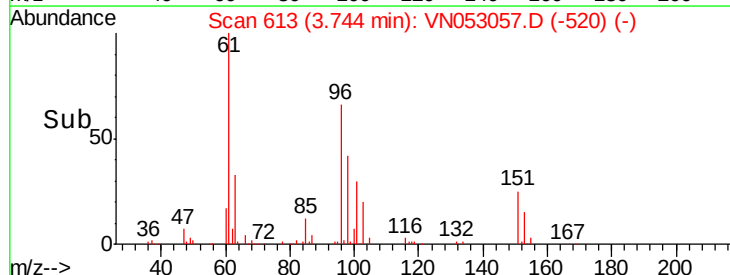
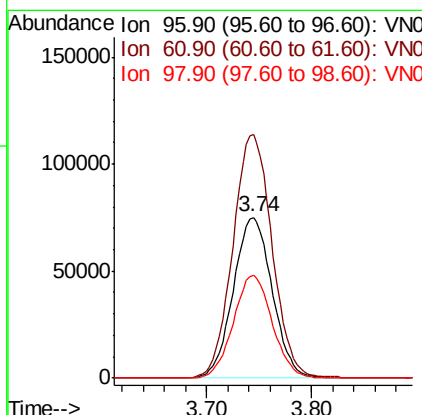
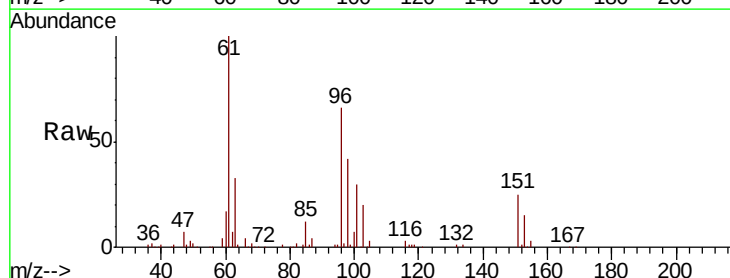
Tot Ion: 59 Resp: 65541
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.7 11.5

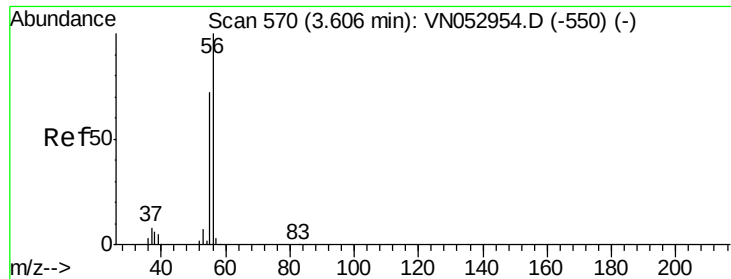


#12

1,1-Dichloroethene
 Concen: 19.524 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion: 96 Resp: 192414
 Ion Ratio Lower Upper
 96 100
 61 150.9 125.6 188.4
 98 63.7 50.6 75.8





#13

Acrolein

Concen: 96.783 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

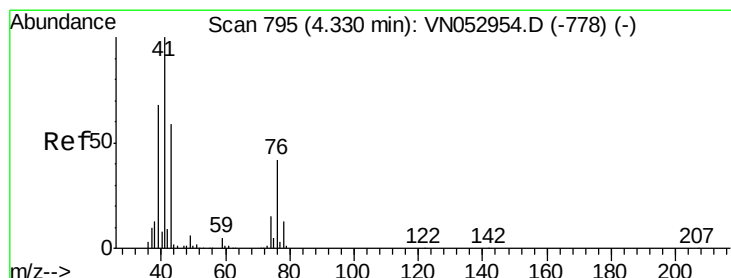
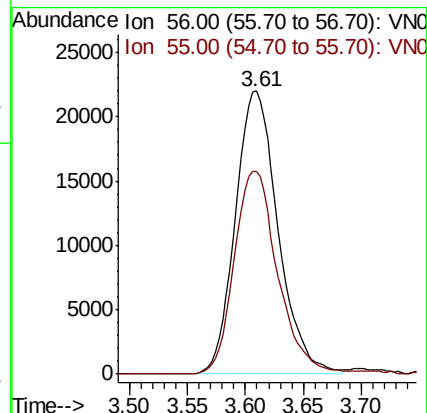
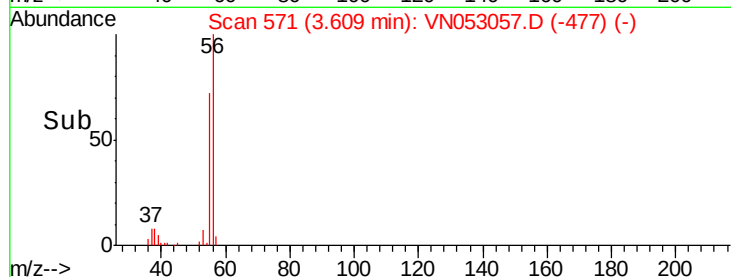
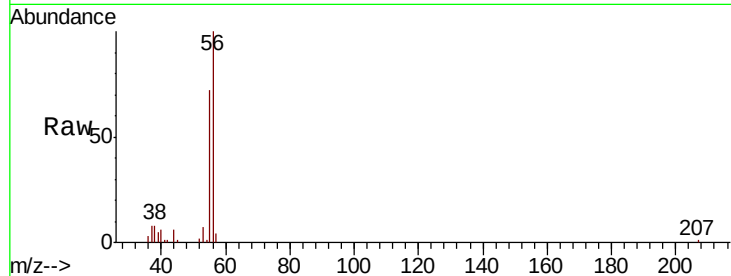
ClientSampleId :

Tot Ion: 56 Resp: 56187

Ion Ratio Lower Upper

56 100

55 72.8 56.6 85.0



#14

Allyl chloride

Concen: 18.991 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

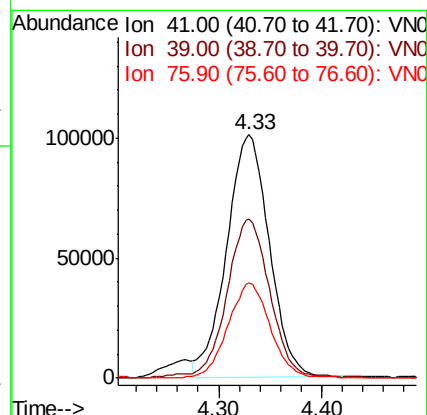
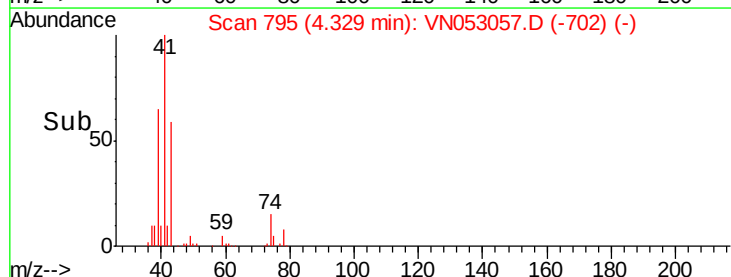
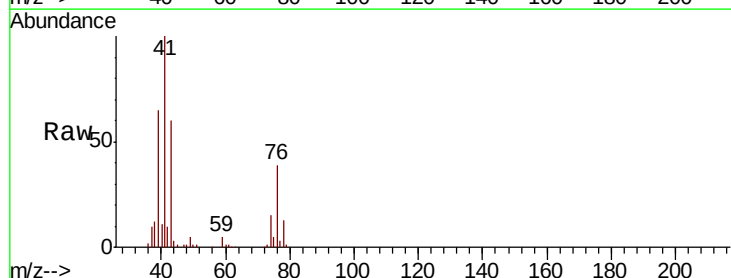
Tgt Ion: 41 Resp: 289906

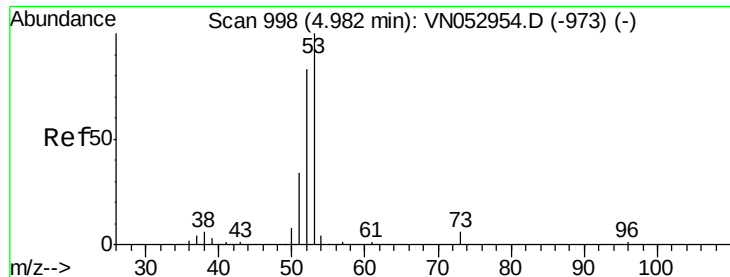
Ion Ratio Lower Upper

41 100

39 66.8 54.1 81.1

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 100.193 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

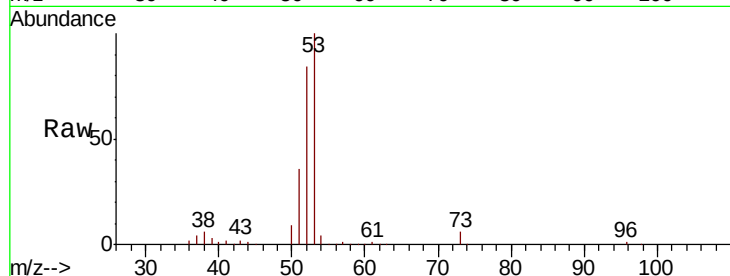
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 53 Resp: 356379

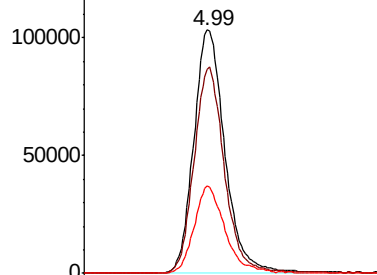
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.1	97.7
51	35.5	28.1	42.1



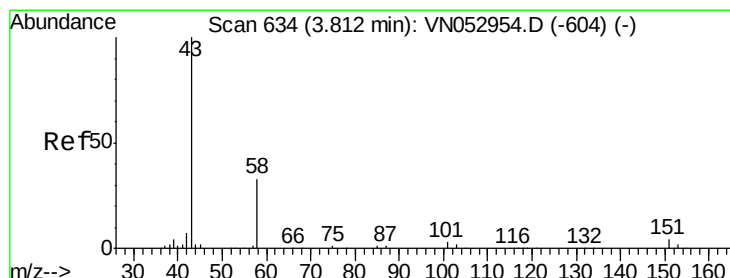
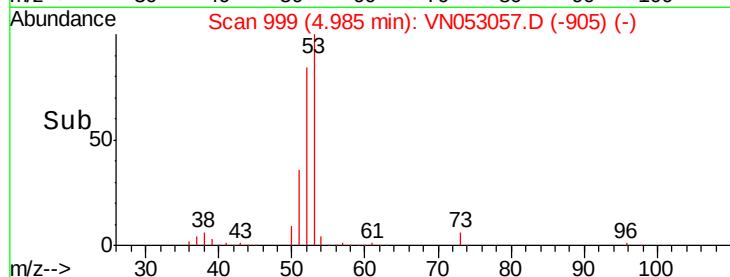
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 106.884 ug/l

RT: 3.82 min Scan# 635

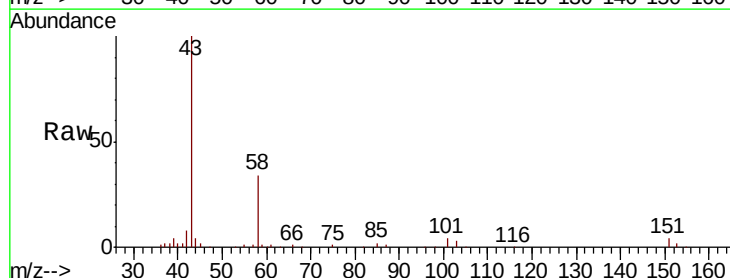
Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

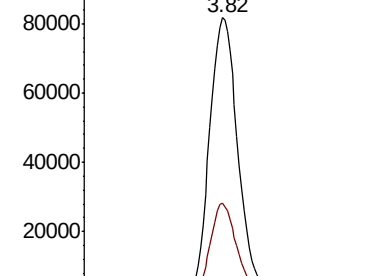
Tgt Ion: 43 Resp: 219902

Ion	Ratio	Lower	Upper
43	100		
58	34.5	25.4	38.0

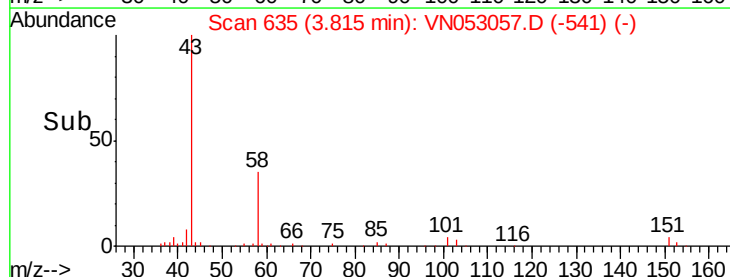


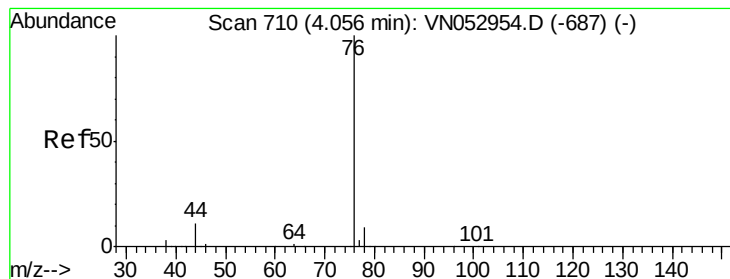
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 16.424 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

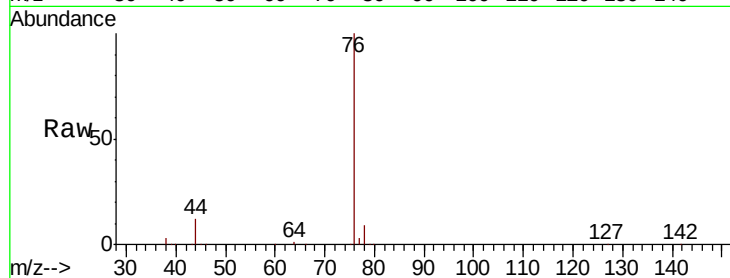
ClientSampled :

Tot Ion: 76 Resp: 527891

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



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

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

4.06

200000

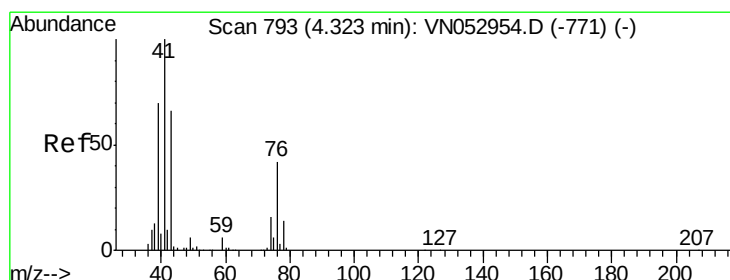
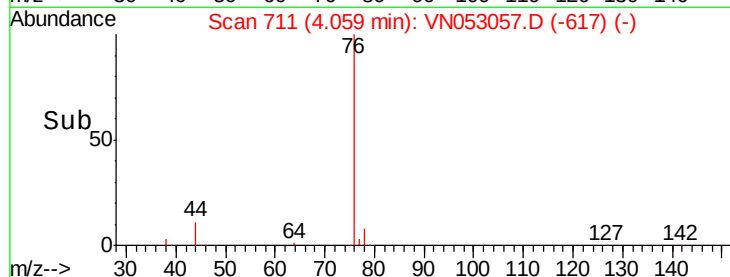
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.032 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053057.D

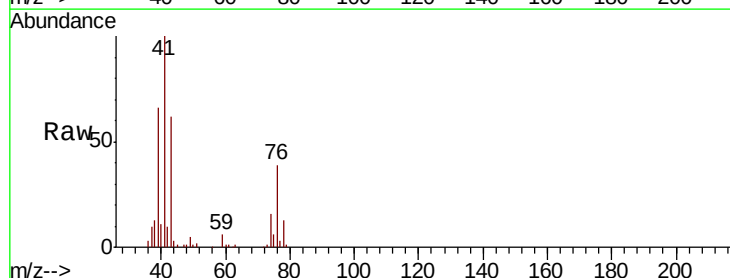
Acq: 20 Dec 2018 15:28

Tgt Ion: 43 Resp: 181397

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



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

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

4.33

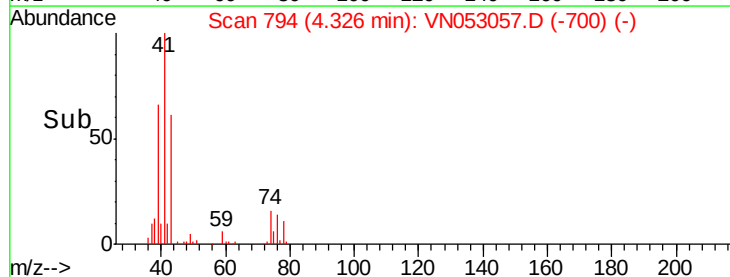
60000

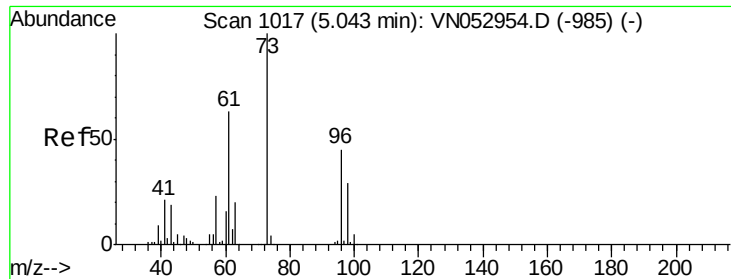
40000

20000

0

Time-->

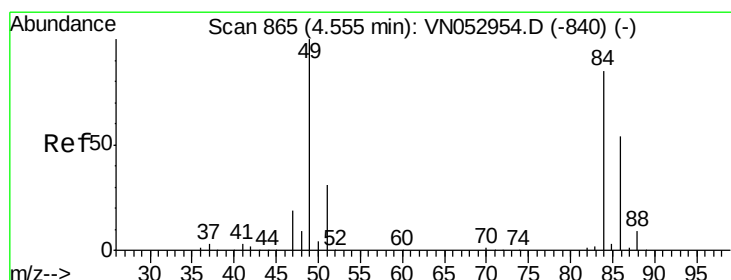
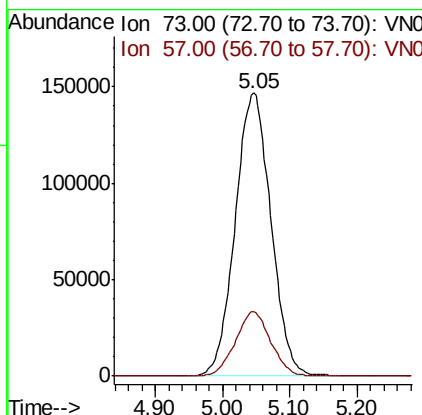
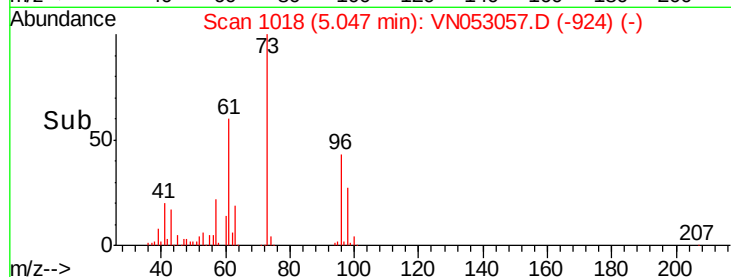
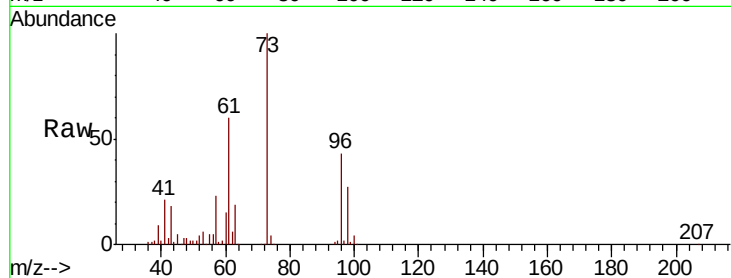




#19
Methyl tert-butyl Ether
Concen: 20.519 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

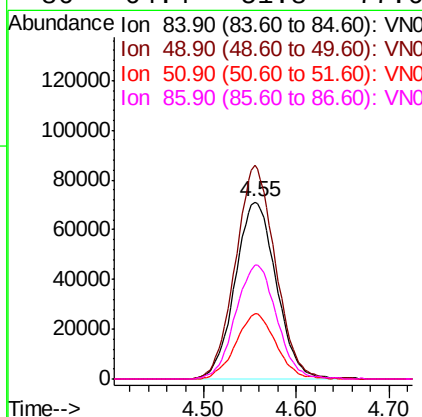
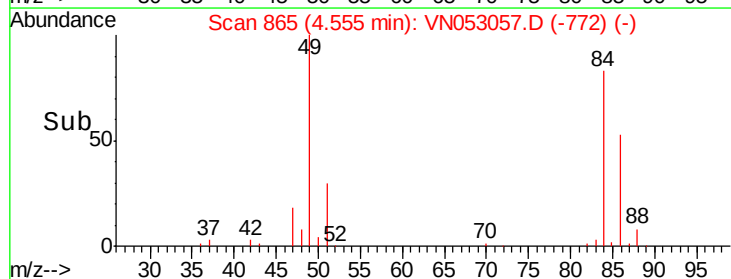
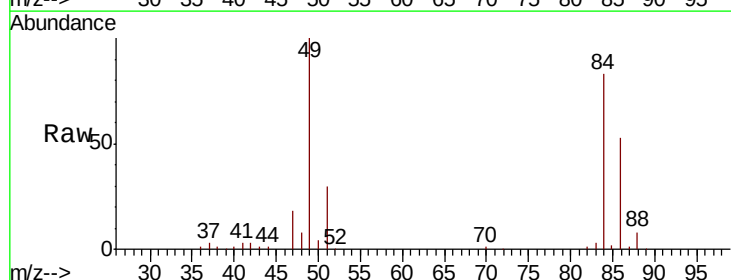
Instrument :
MSVOA_N
ClientSampled :

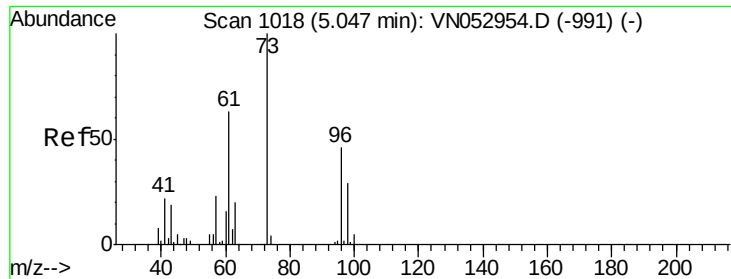
Tot Ion: 73 Resp: 541172
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 19.557 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 84 Resp: 219479
Ion Ratio Lower Upper
84 100
49 120.9 96.8 145.2
51 36.7 29.9 44.9
86 64.4 51.8 77.6

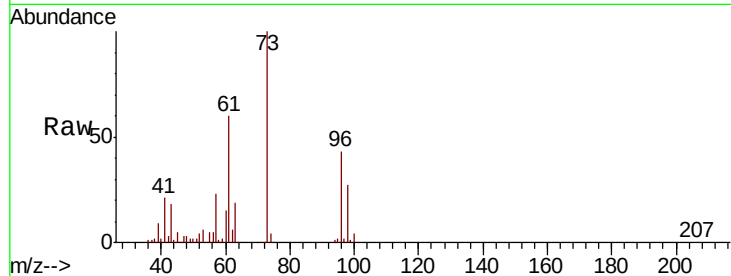




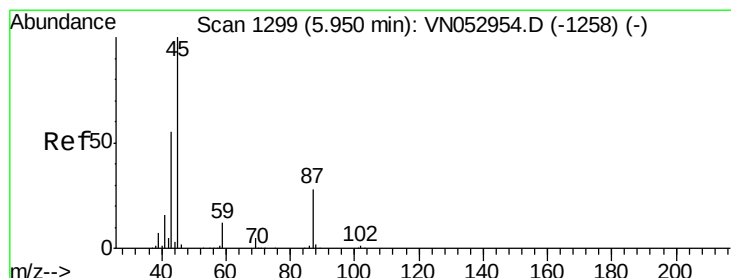
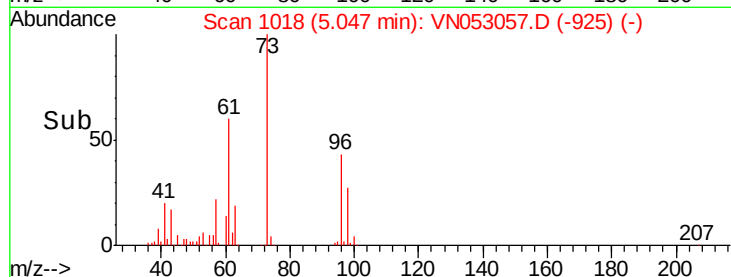
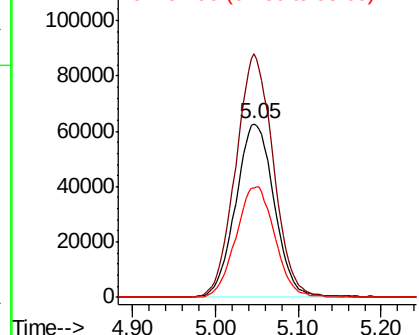
#21
trans-1,2-Dichloroethene
Concen: 19.102 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 202267
Ion Ratio Lower Upper
96 100
61 139.9 110.8 166.2
98 62.9 51.4 77.2

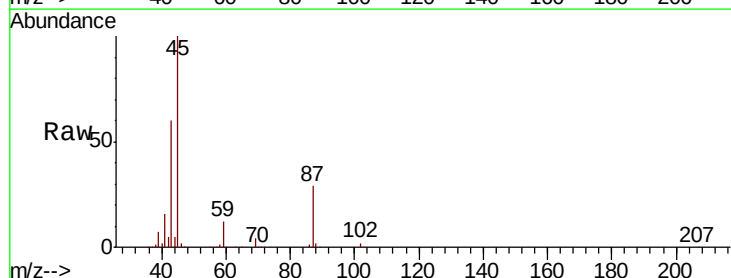


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

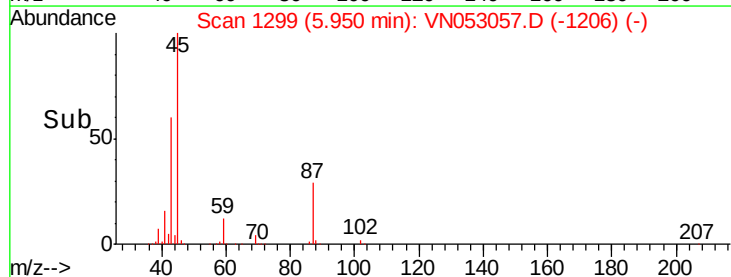
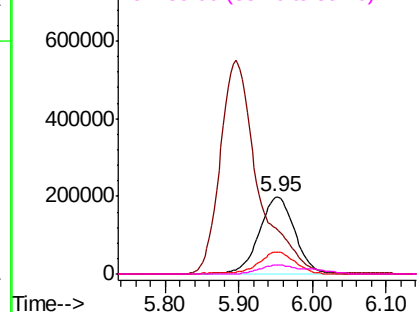


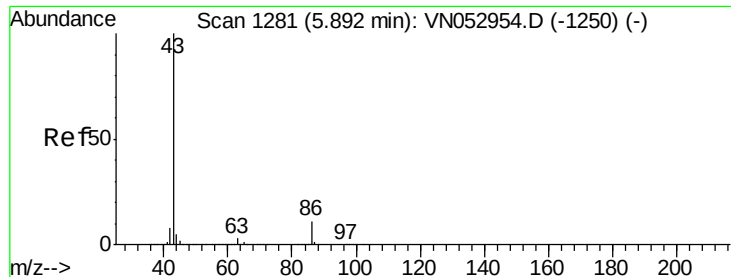
#22
Diisopropyl ether
Concen: 20.488 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 45 Resp: 667607
Ion Ratio Lower Upper
45 100
43 57.8 45.5 68.3
87 28.5 22.0 33.0
59 11.5 9.4 14.0



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





#23

Vinyl Acetate

Concen: 104.593 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

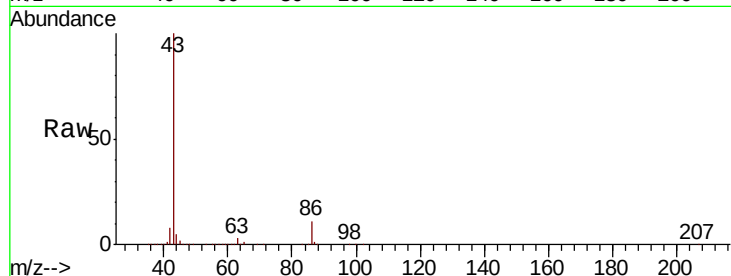
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1959798

Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)

5.90

600000

500000

400000

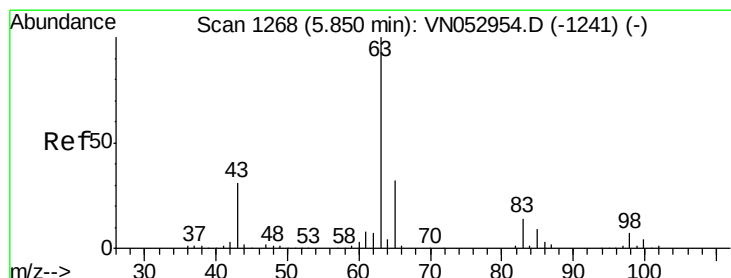
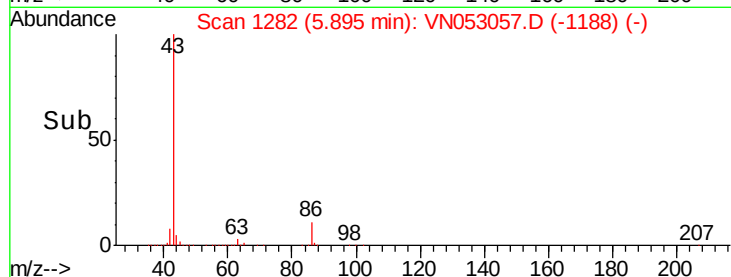
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.797 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

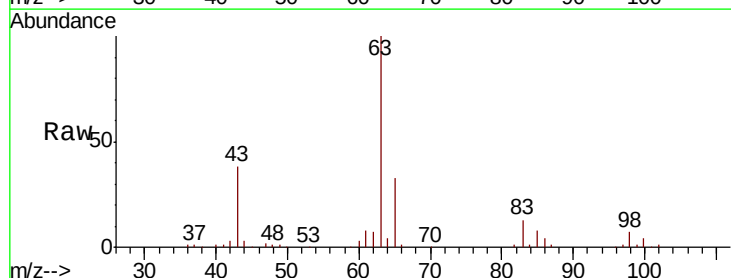
Tgt Ion: 63 Resp: 383334

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

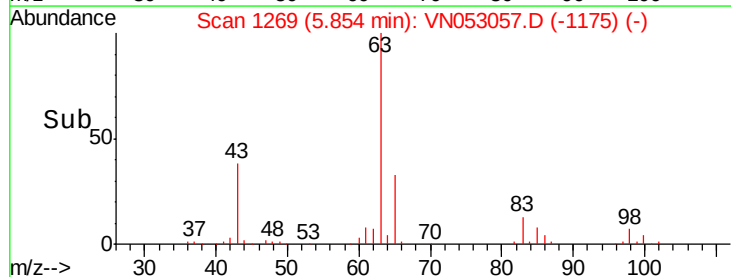
150000

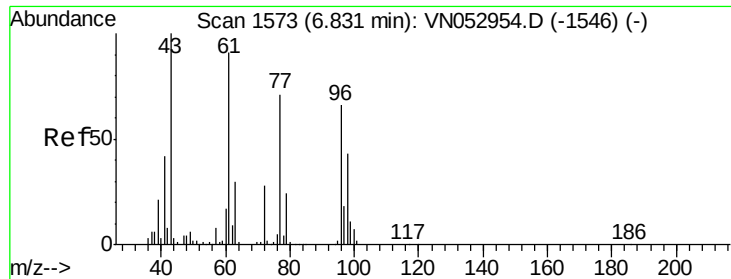
100000

50000

0

Time-->

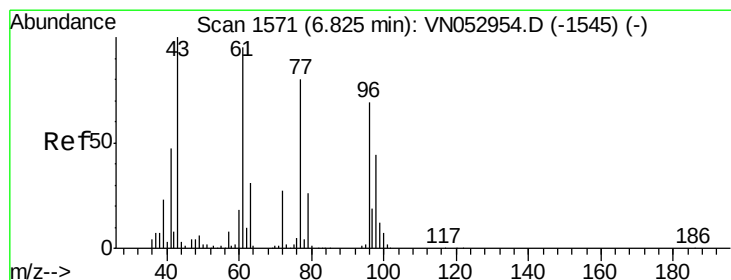
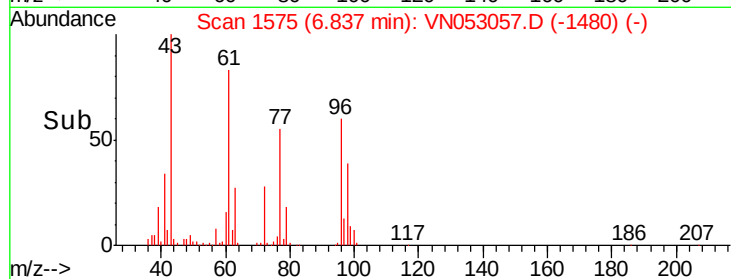
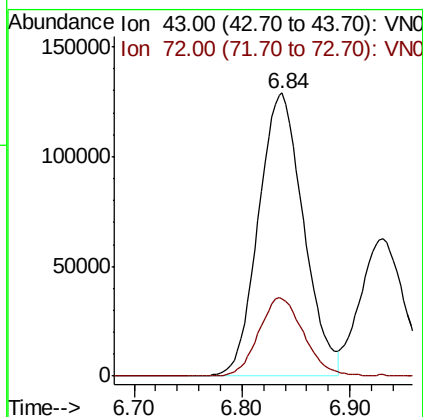
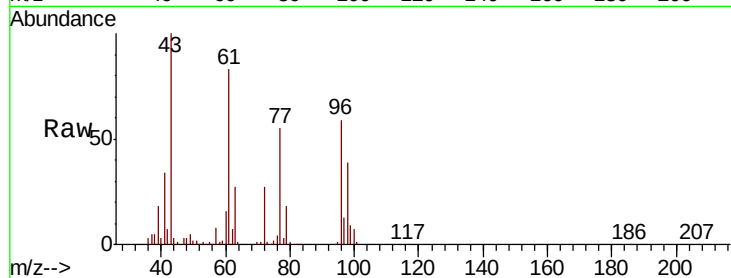




#25
2-Butanone
Concen: 107.674 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

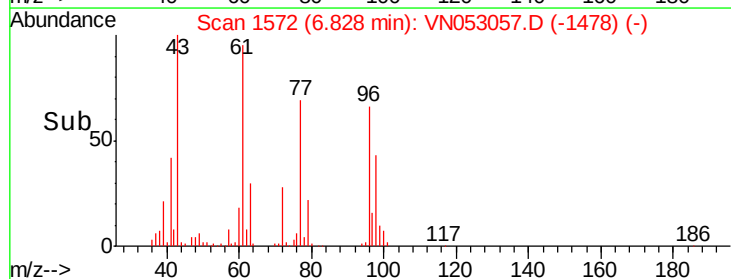
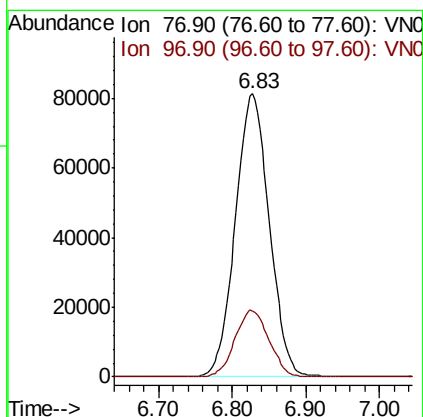
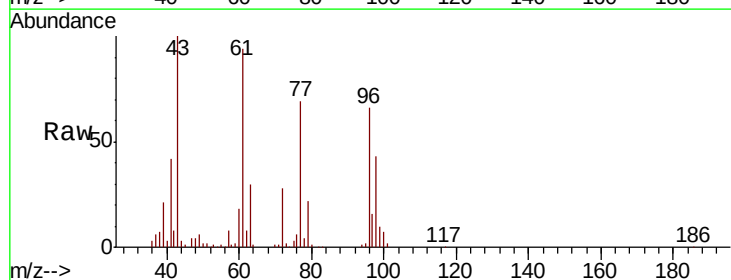
Instrument :
MSVOA_N
ClientSampled :

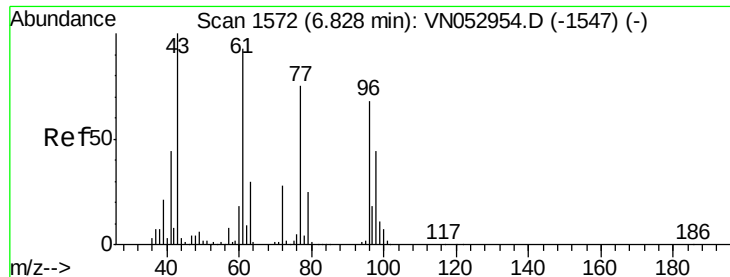
Tot Ion: 43 Resp: 371778
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 17.638 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 77 Resp: 260705
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.605 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

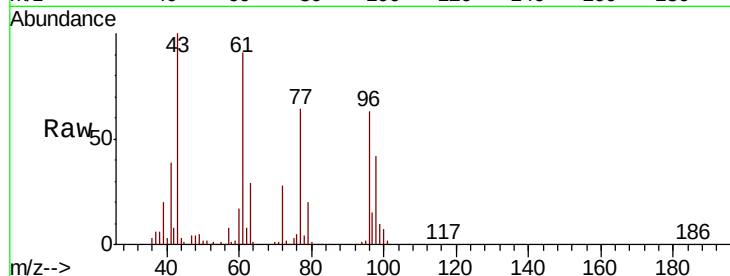
Tot Ion: 96 Resp: 235015

Ion Ratio Lower Upper

96 100

61 141.2 0.0 284.2

98 64.4 0.0 129.2

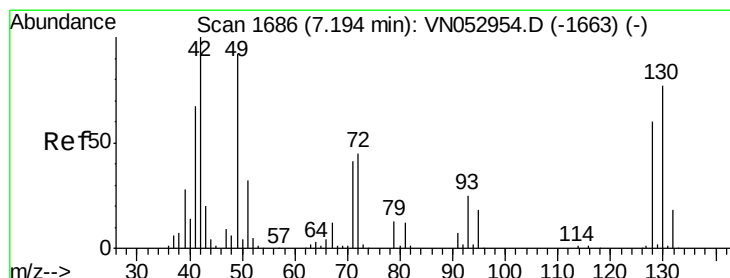
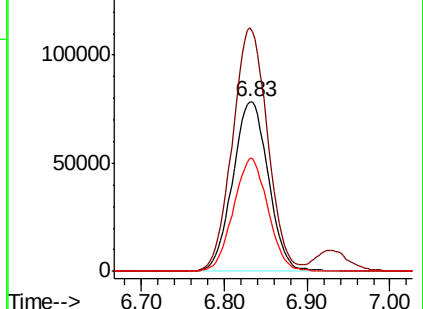
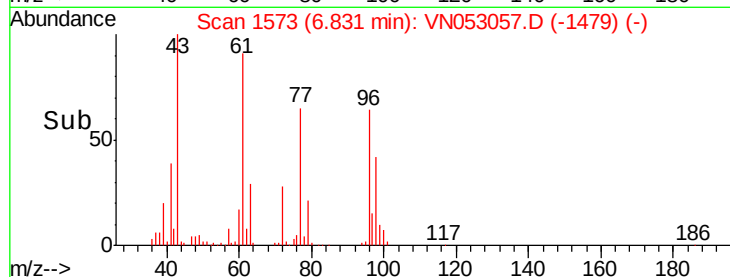


Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)

Time-->



#28

Bromochloromethane

Concen: 21.796 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

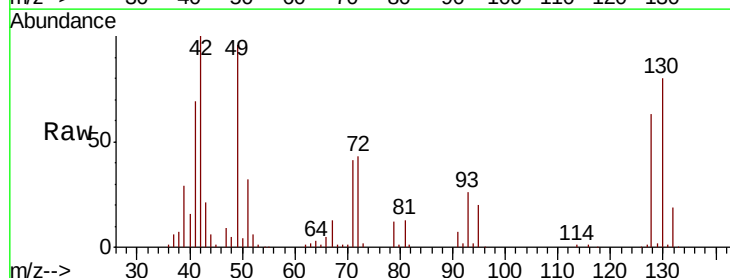
Tgt Ion: 49 Resp: 182878

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 82.6 63.3 94.9

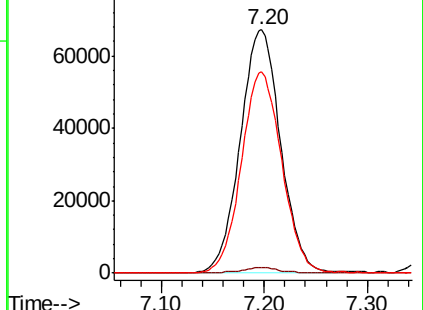
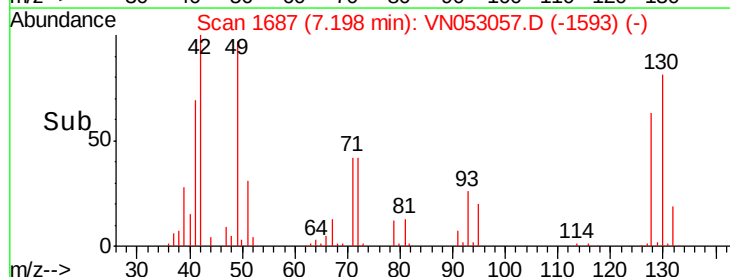


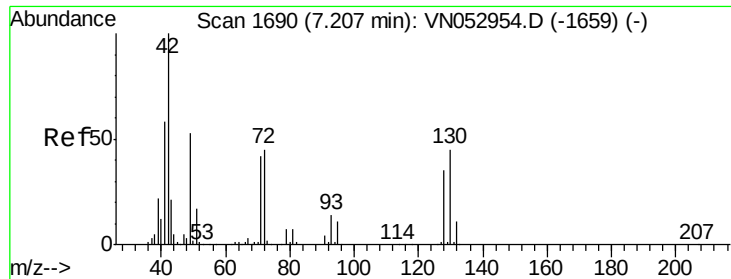
Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

Time-->

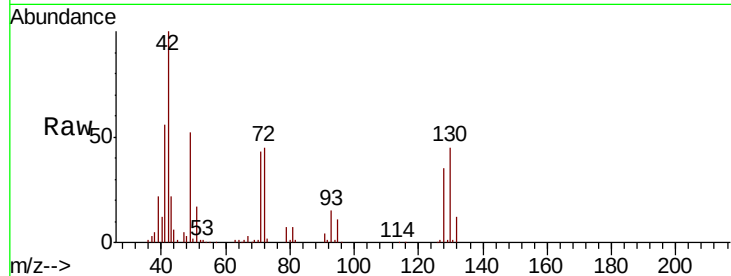




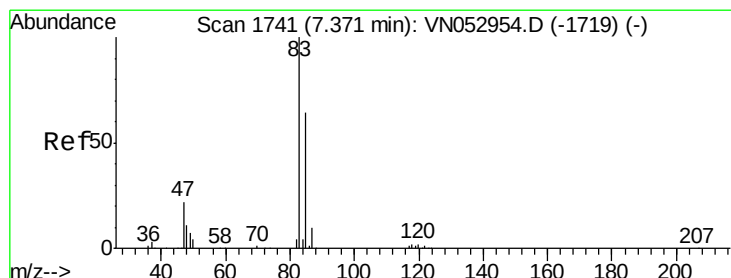
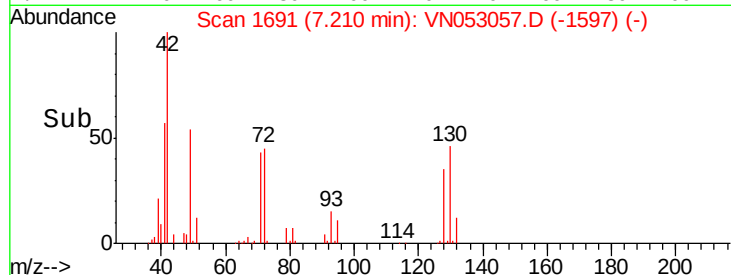
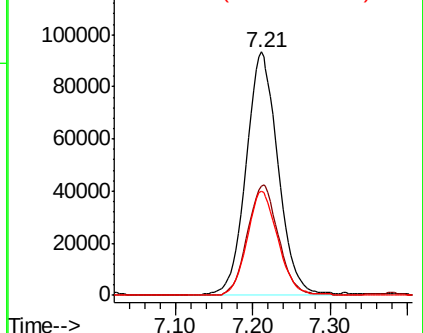
#29
Tetrahydrofuran
Concen: 103.791 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 267656
Ion Ratio Lower Upper
42 100
72 44.6 34.7 52.1
71 41.4 32.3 48.5

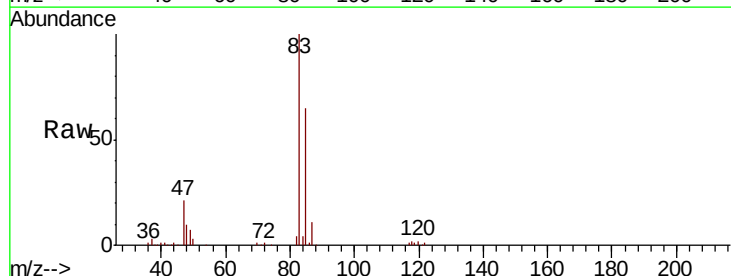


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

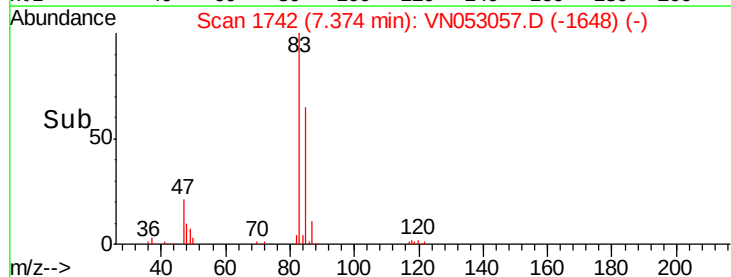
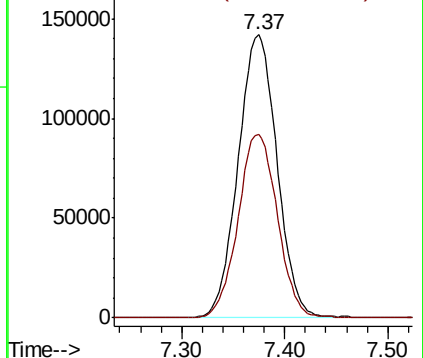


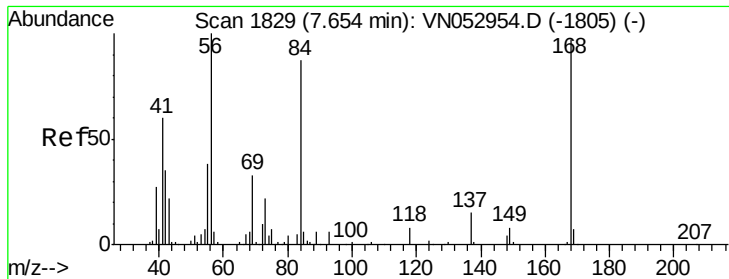
#30
Chloroform
Concen: 19.596 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 83 Resp: 372730
Ion Ratio Lower Upper
83 100
85 64.8 52.1 78.1



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

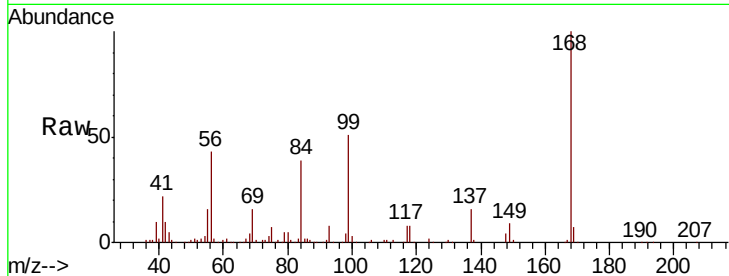




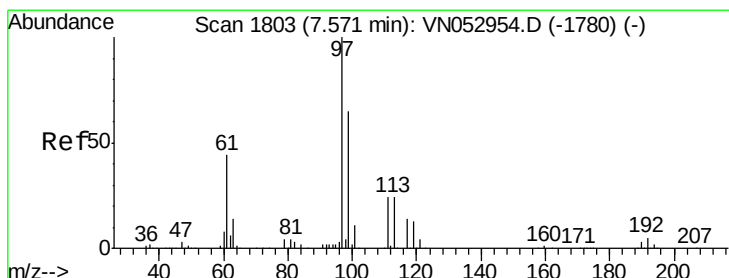
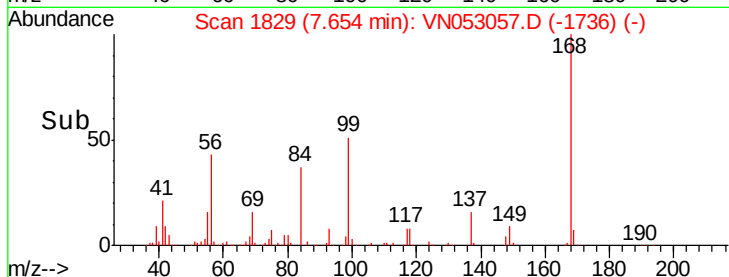
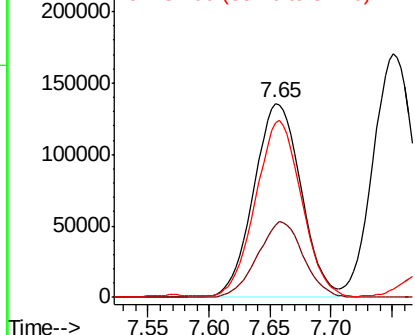
#31
Cyclohexane
Concen: 19.475 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 365321
Ion Ratio Lower Upper
56 100
69 37.2 26.6 39.8
84 89.0 68.4 102.6

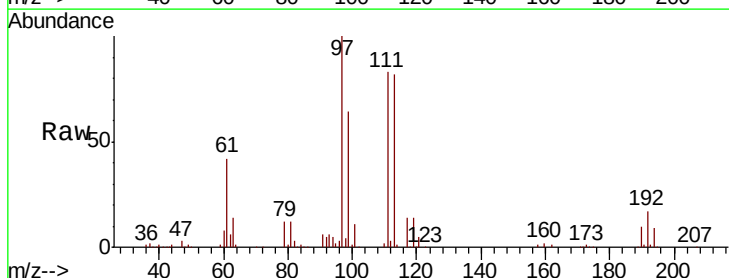


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

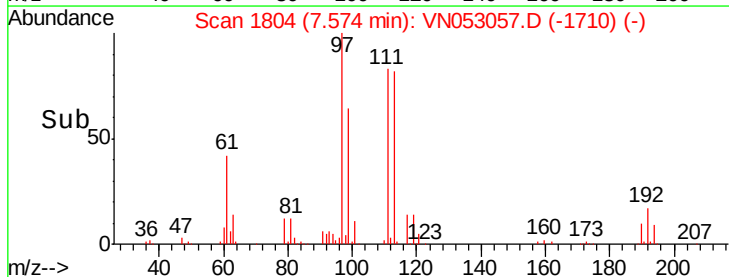
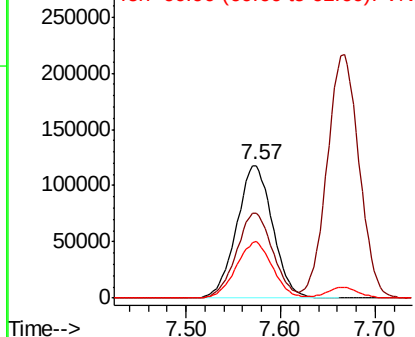


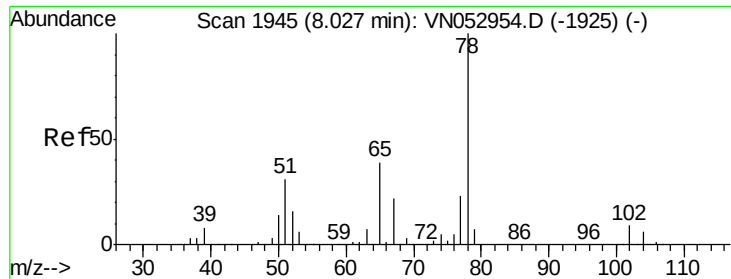
#32
1,1,1-Trichloroethane
Concen: 19.253 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 97 Resp: 311972
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 42.9 35.0 52.6



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

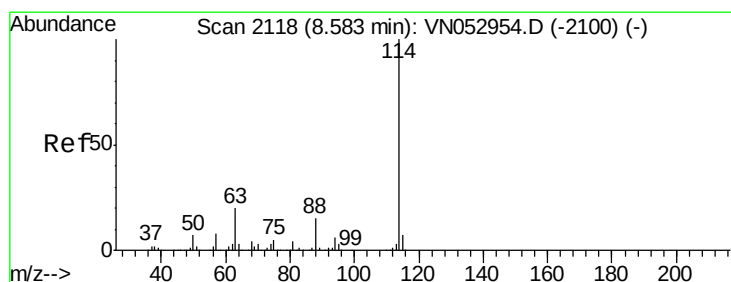
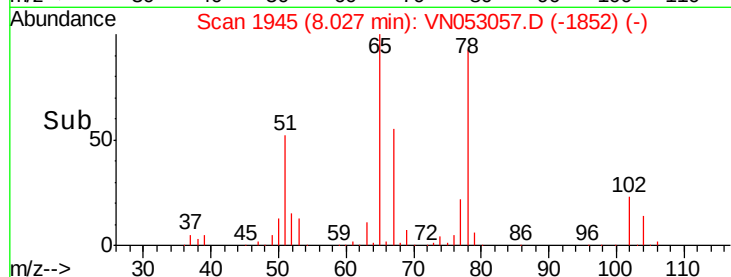
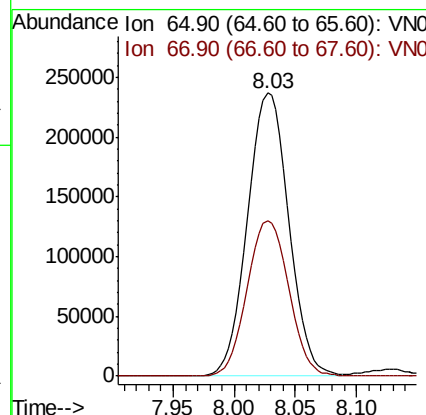
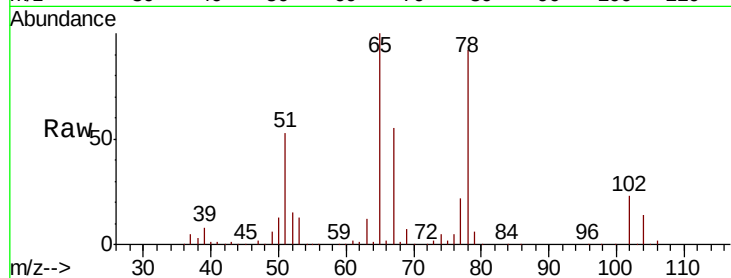




#33
 1,2-Dichloroethane-d4
 Concen: 19.253 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

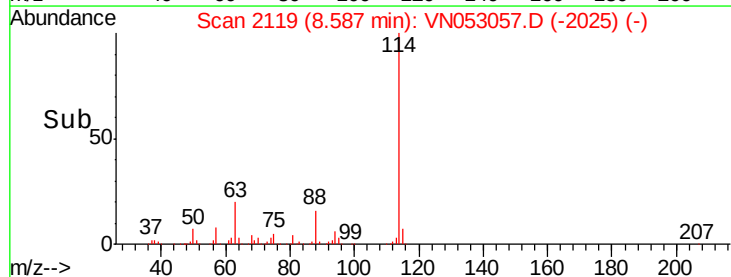
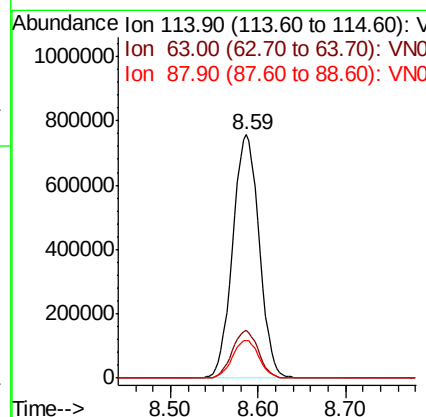
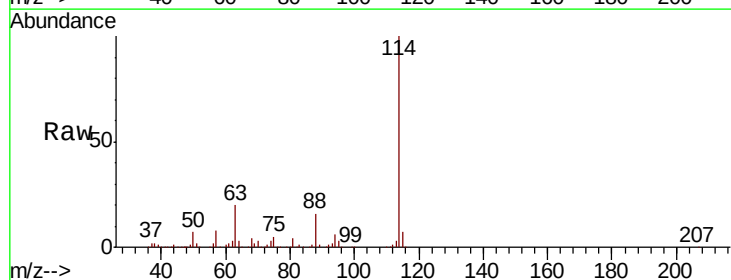
Instrument :
 MSVOA_N
 ClientSampled :

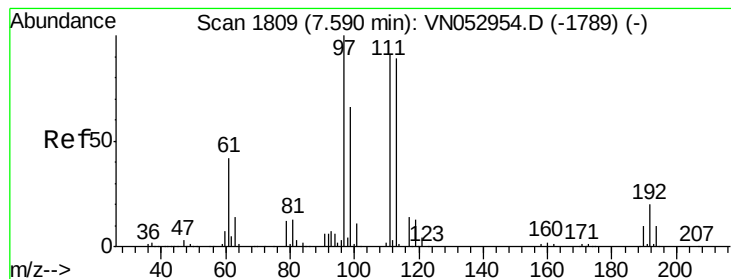
Tot Ion: 65 Resp: 556043
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion: 114 Resp: 1590217
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

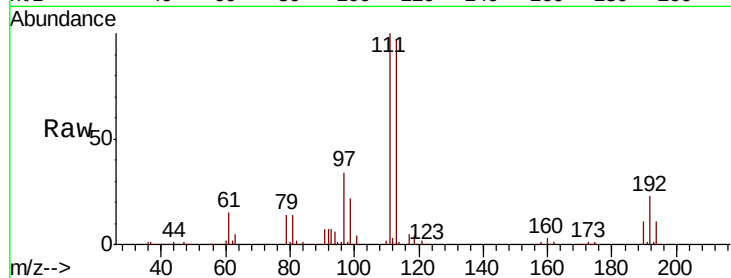
Tot Ion:113 Resp: 437075

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.4

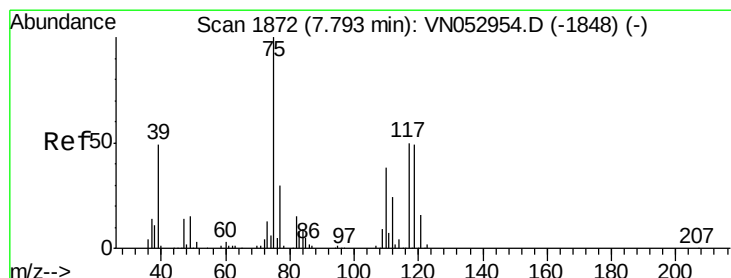
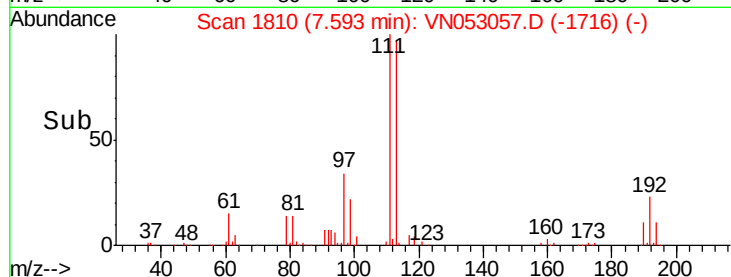
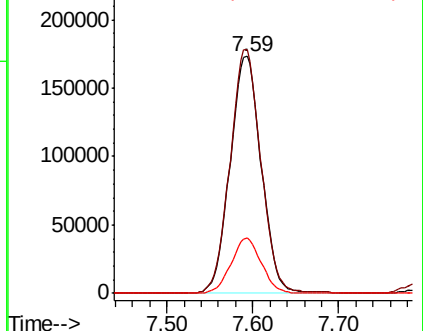
192 22.6 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.669 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

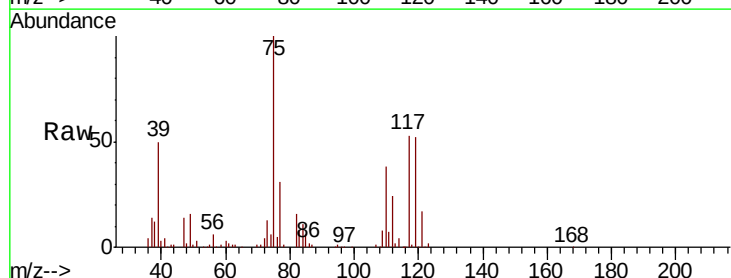
Tgt Ion: 75 Resp: 284958

Ion Ratio Lower Upper

75 100

110 38.0 18.2 54.6

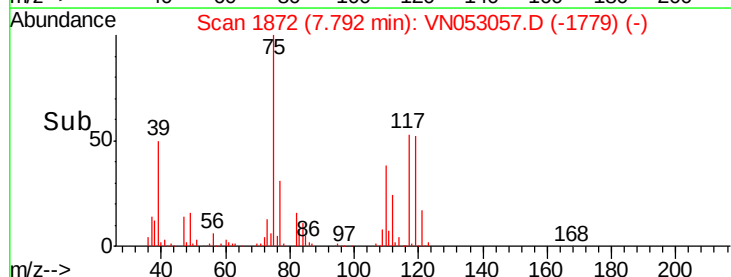
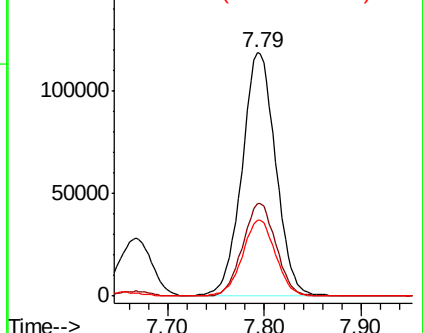
77 31.1 24.9 37.3

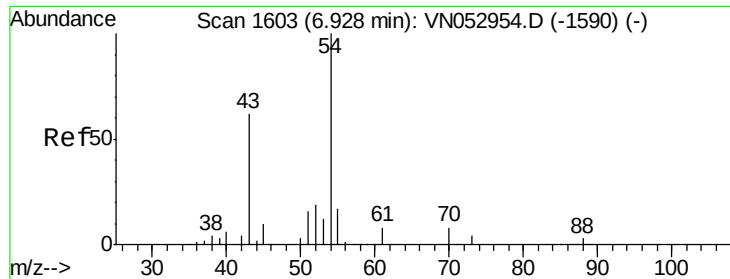


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

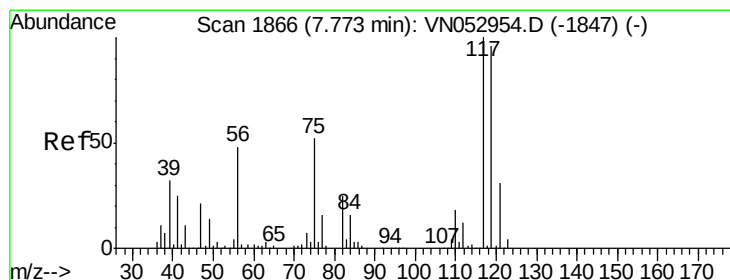
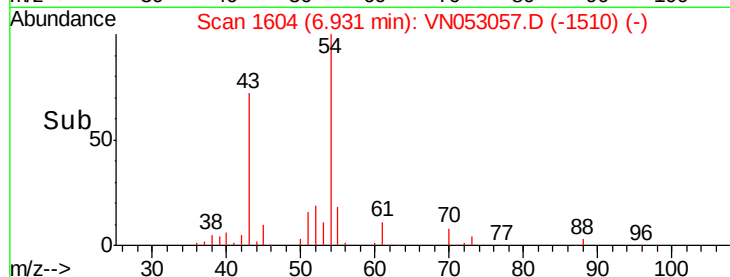
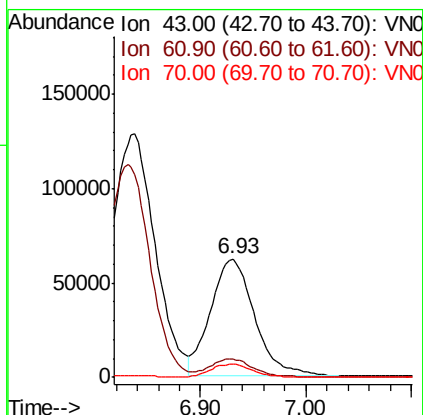
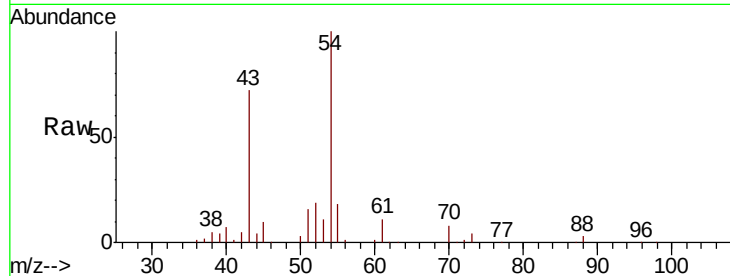




#37
Ethyl Acetate
Concen: 21.089 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

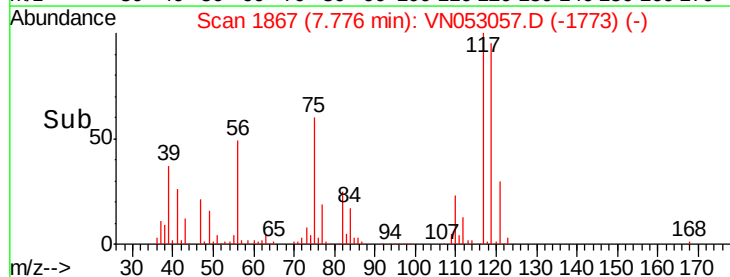
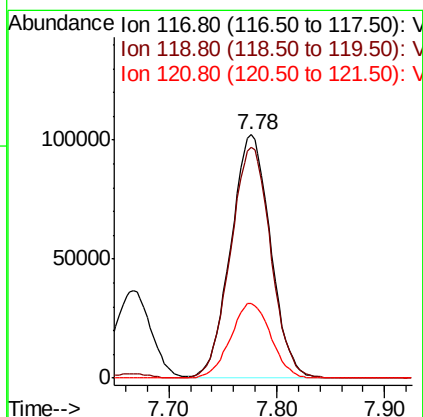
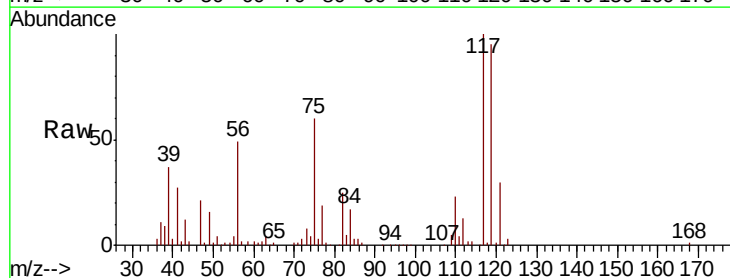
Instrument :
MSVOA_N
ClientSampled :

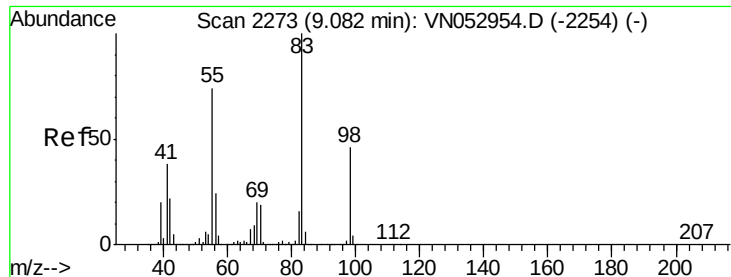
Tot Ion: 43 Resp: 179690
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.623 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 117 Resp: 260543
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7
121 30.5 24.9 37.3

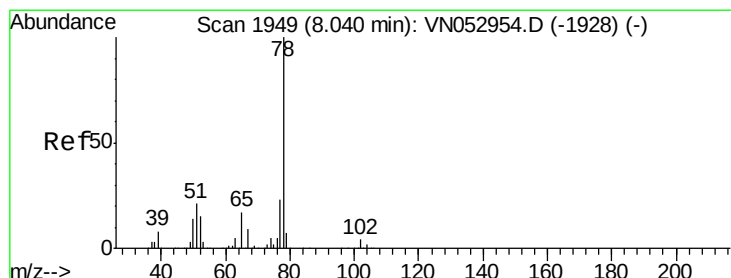
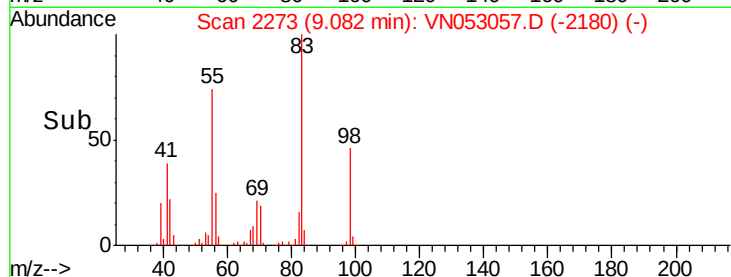
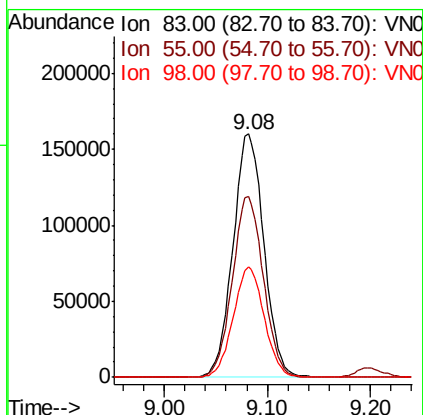
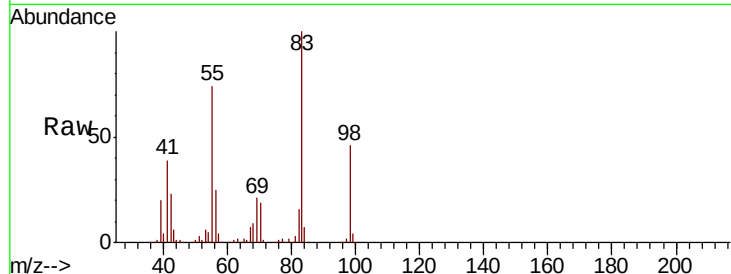




#39
Methylvlcyclohexane
Concen: 18.072 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

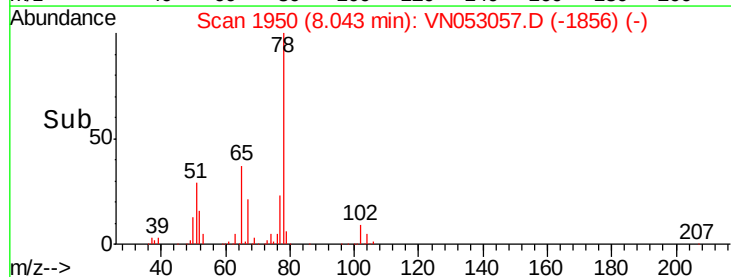
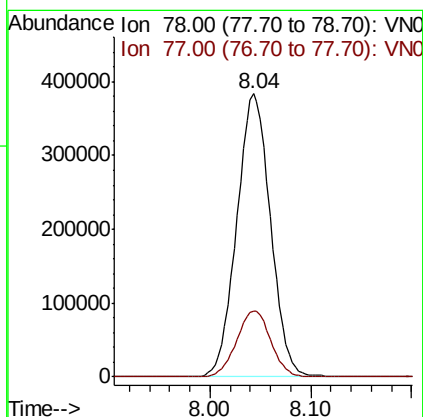
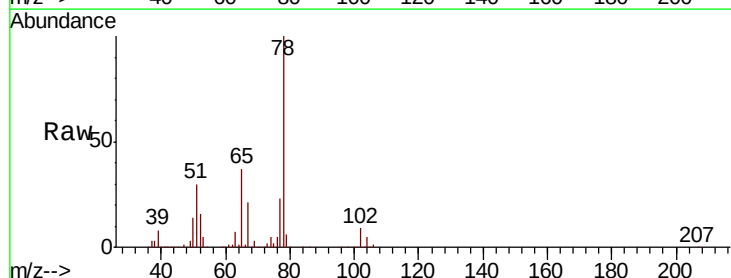
Instrument :
MSVOA_N
ClientSampleId :

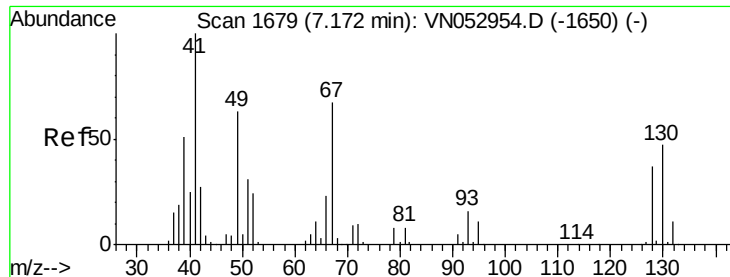
Tot Ion: 83 Resp: 335089
Ion Ratio Lower Upper
83 100
55 74.3 61.3 91.9
98 45.6 37.0 55.4



#40
Benzene
Concen: 19.588 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 78 Resp: 889298
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

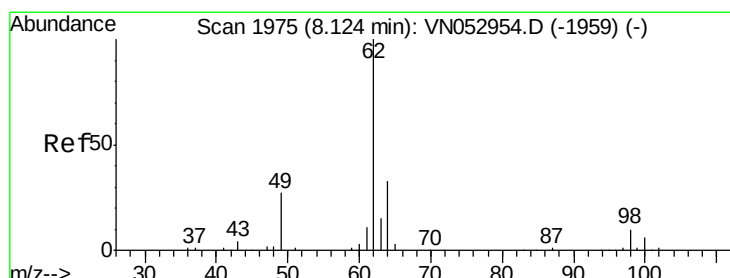
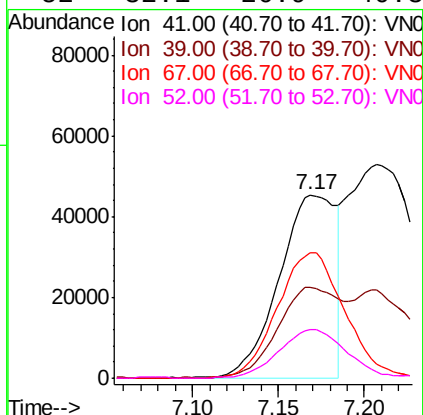
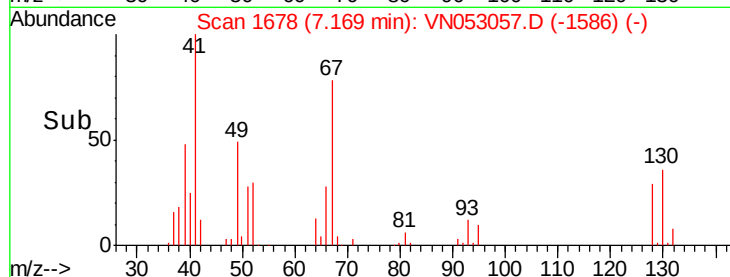
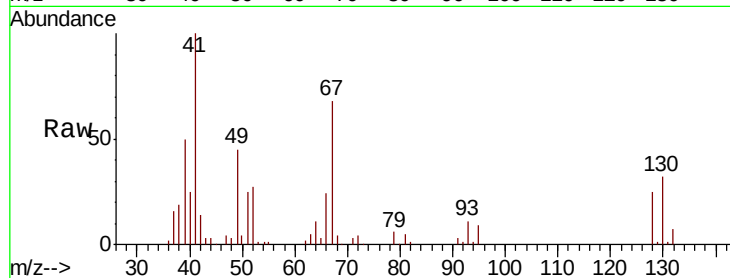




#41
Methacrylonitrile
Concen: 21.267 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

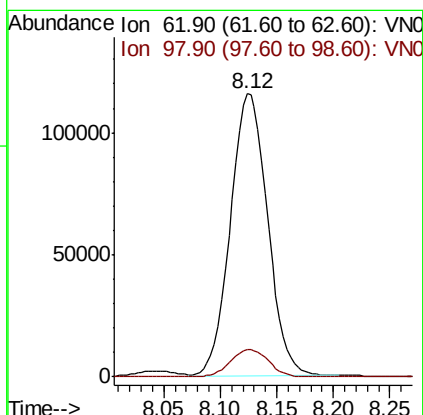
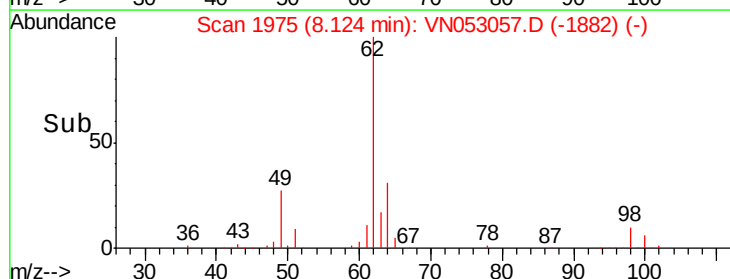
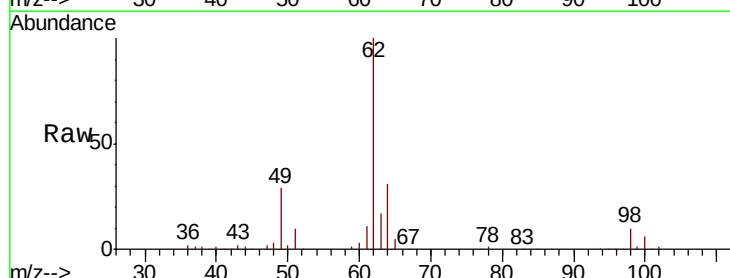
Instrument :
MSVOA_N
ClientSampled :

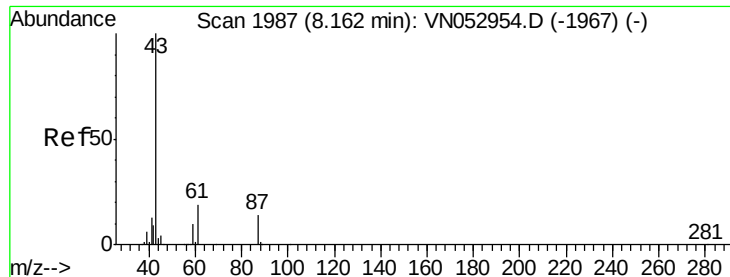
Tot Ion: 41 Resp: 104704
Ion Ratio Lower Upper
41 100
39 56.6 48.0 72.0
67 81.6 70.3 105.5
52 32.1 26.9 40.3



#42
1,2-Dichloroethane
Concen: 19.774 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 62 Resp: 265205
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0





#43

Isopropyl Acetate

Concen: 19.271 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

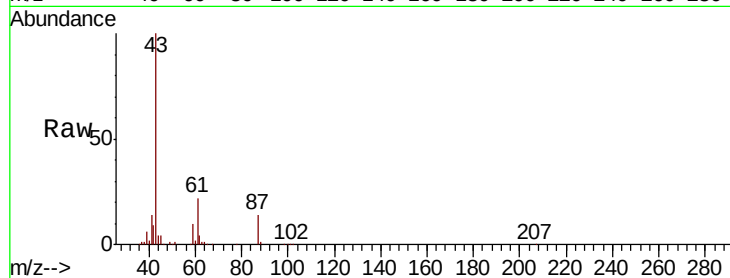
Tot Ion: 43 Resp: 328343

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

87 13.5 10.6 15.8

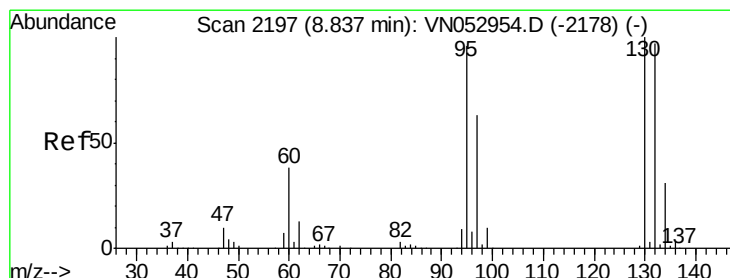
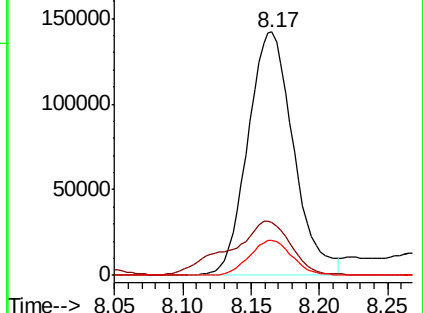
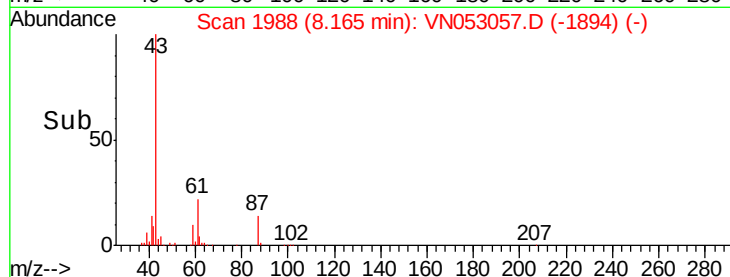


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

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

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

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.507 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053057.D

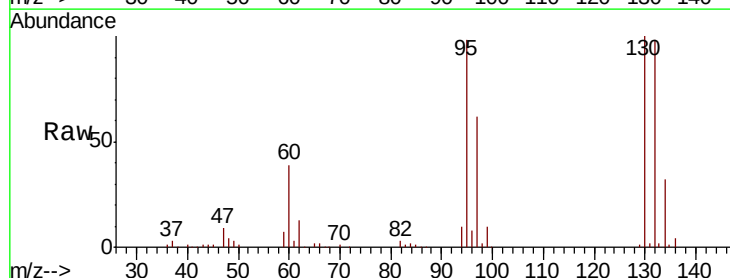
Acq: 20 Dec 2018 15:28

Tgt Ion:130 Resp: 243032

Ion Ratio Lower Upper

130 100

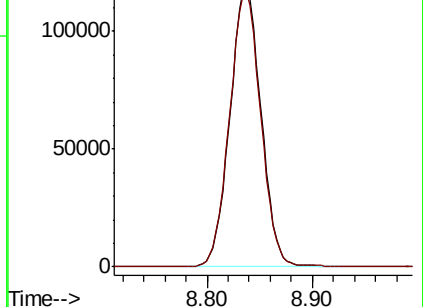
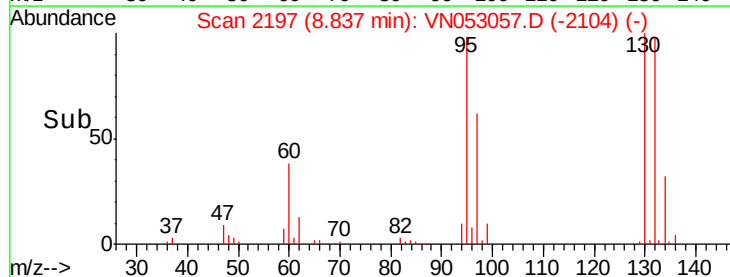
95 98.0 0.0 197.8

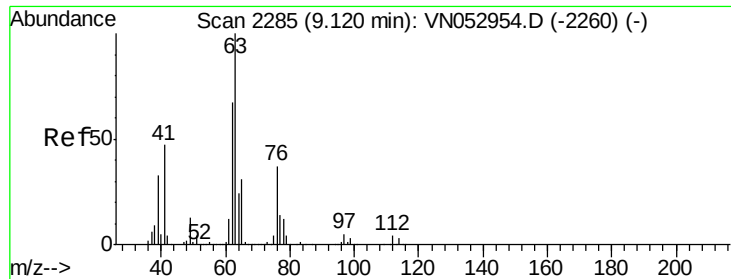


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

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

Time--> 8.80 8.90

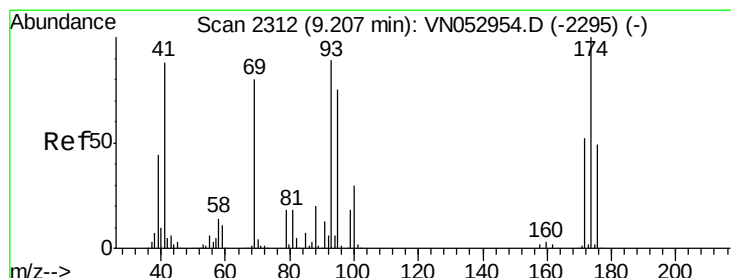
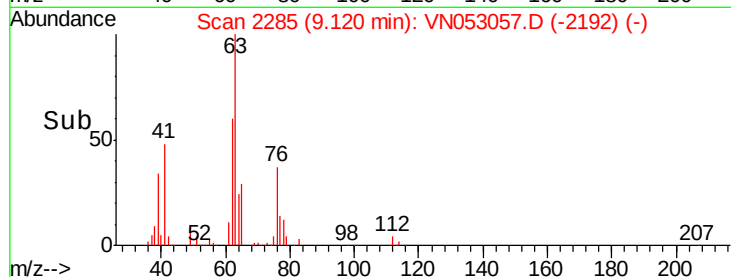
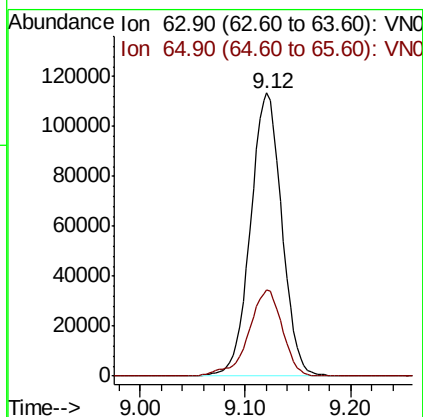
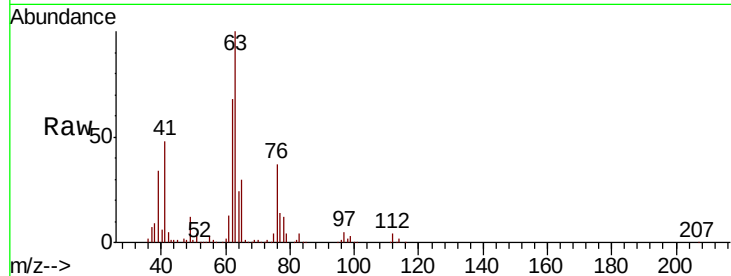




#45
 1,2-Dichloropropane
 Concen: 19.879 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

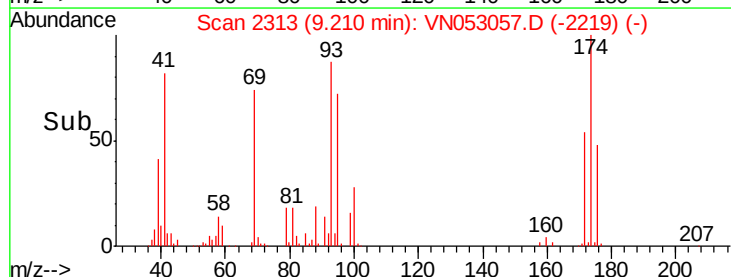
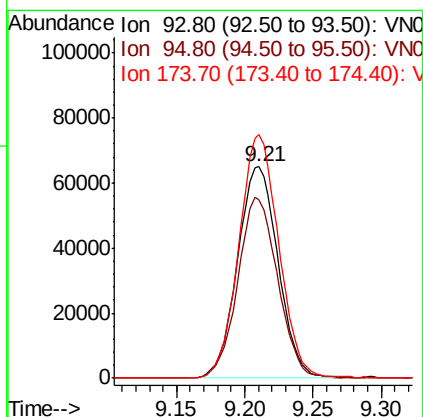
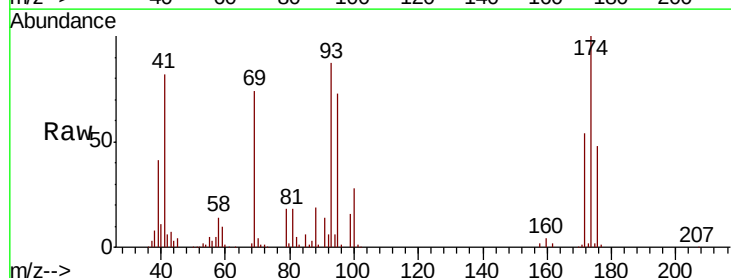
Instrument :
 MSVOA_N
 ClientSampleId :

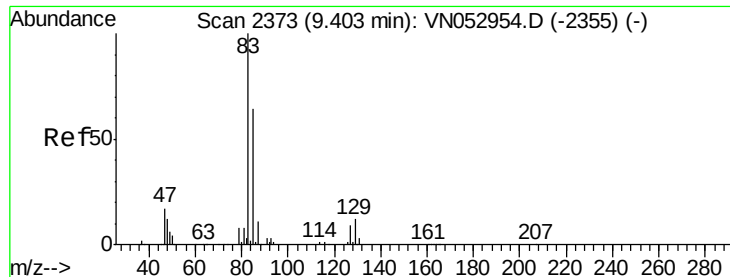
Tot Ion: 63 Resp: 235084
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0



#46
 Dibromomethane
 Concen: 19.446 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion: 93 Resp: 133958
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.8 101.6
 174 113.5 89.0 133.4





#47

Bromodichloromethane

Concen: 18.876 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampled :

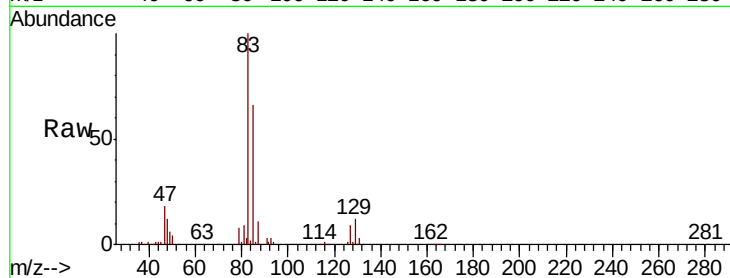
Tot Ion: 83 Resp: 276410

Ion Ratio Lower Upper

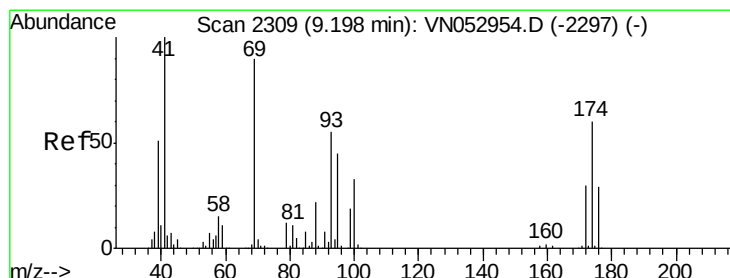
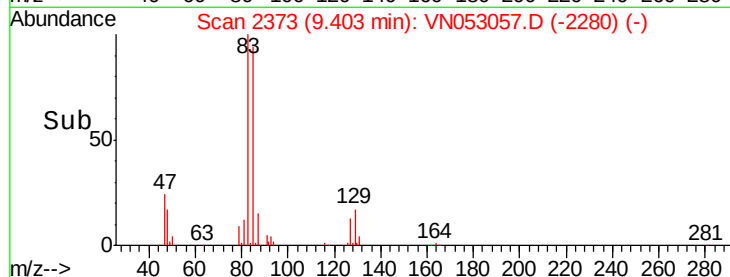
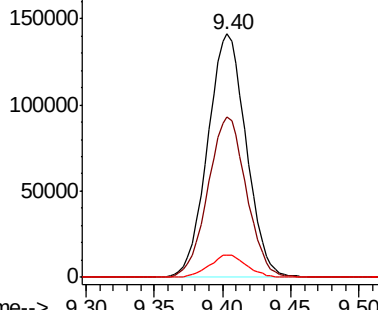
83 100

85 65.9 51.6 77.4

127 9.4 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): V



#48

Methyl methacrylate

Concen: 19.849 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

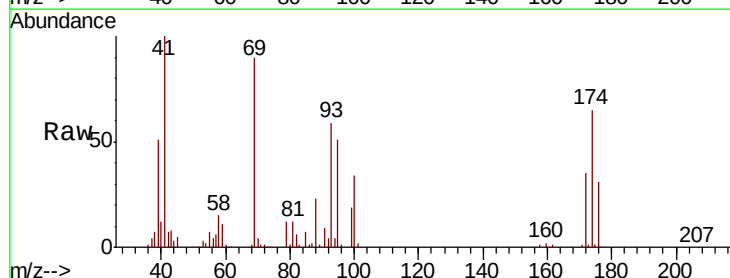
Tgt Ion: 41 Resp: 164116

Ion Ratio Lower Upper

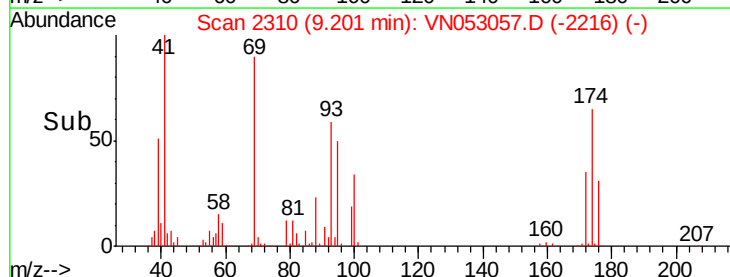
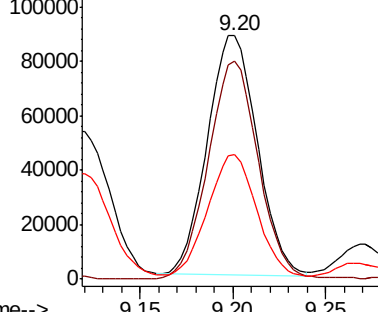
41 100

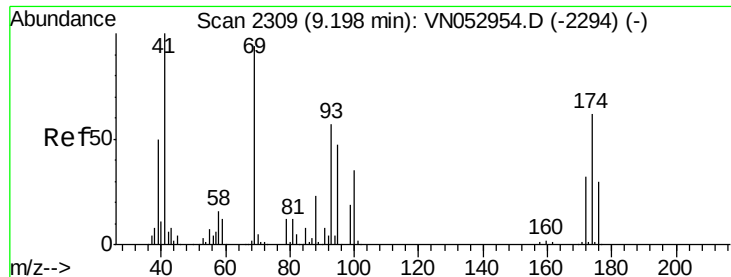
69 91.8 72.2 108.2

39 52.1 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: 396.940 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :

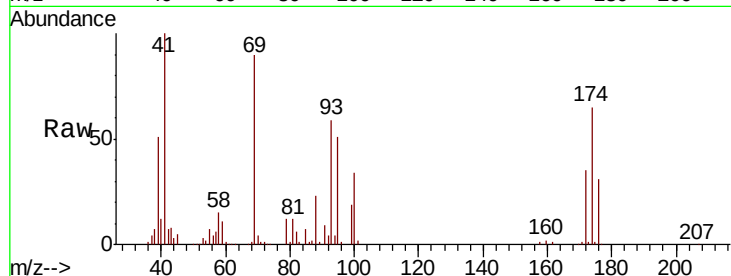
Tot Ion: 88 Resp: 41516

Ion Ratio Lower Upper

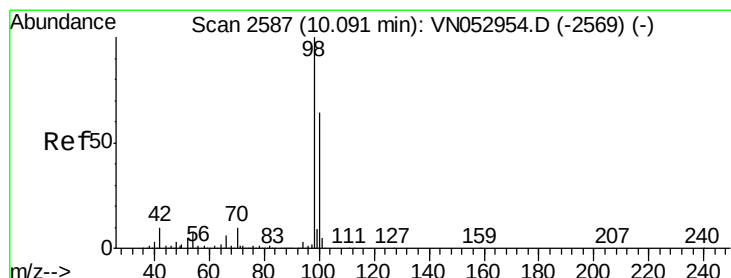
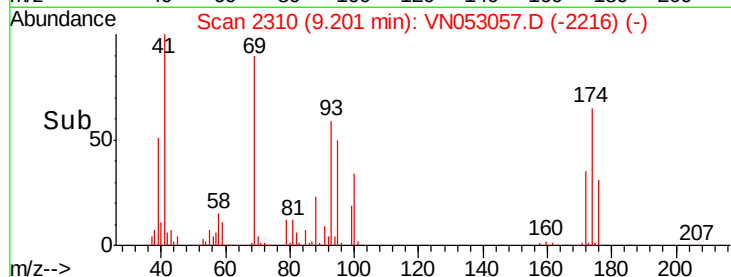
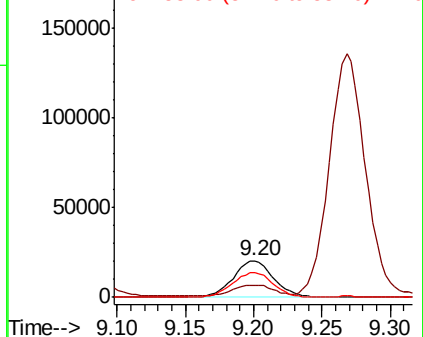
88 100

43 30.9 26.6 40.0

58 69.6 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: 396.940 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053057.D

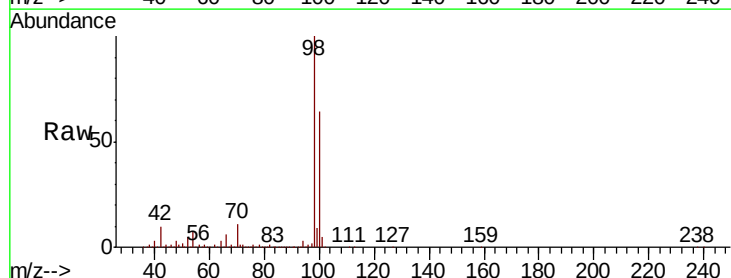
Acq: 20 Dec 2018 15:28

Tgt Ion: 98 Resp: 2006579

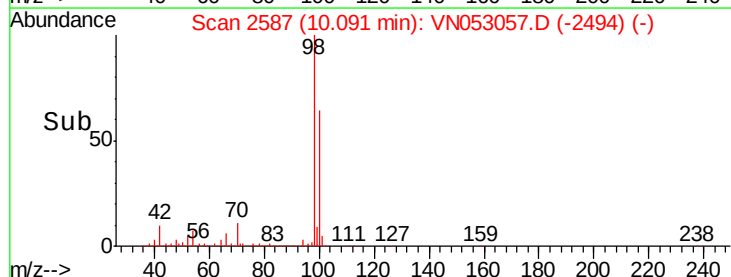
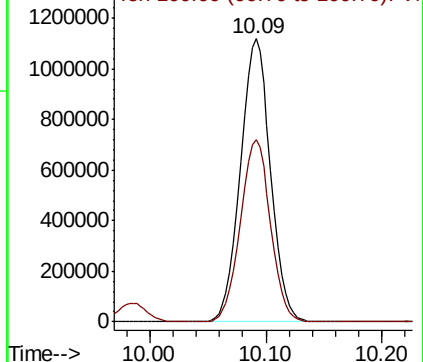
Ion Ratio Lower Upper

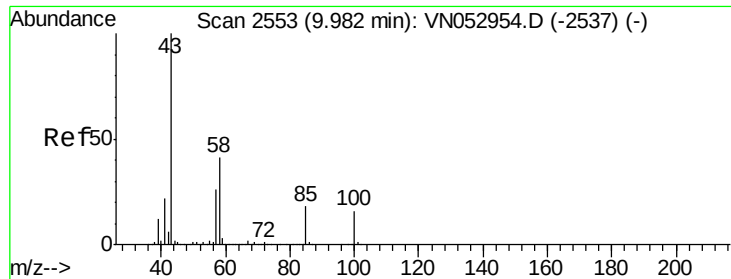
98 100

100 64.6 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: 104.712 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

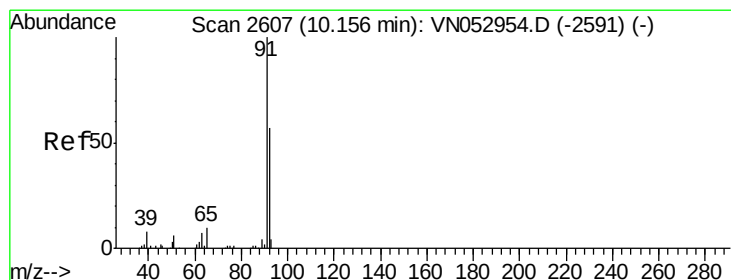
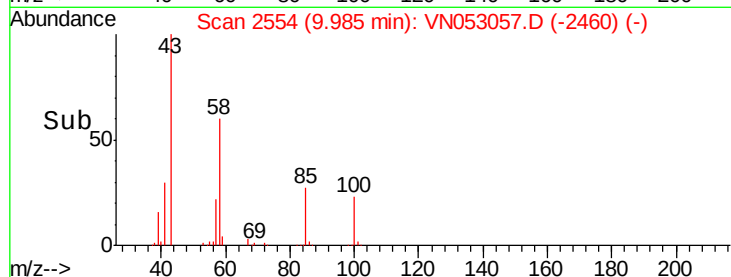
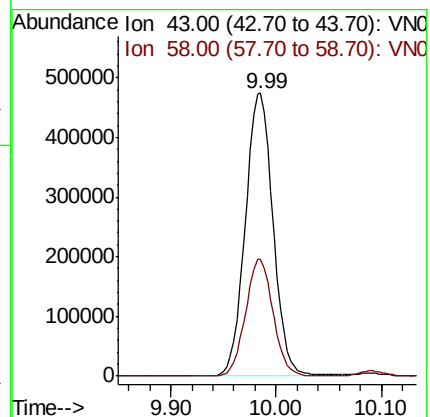
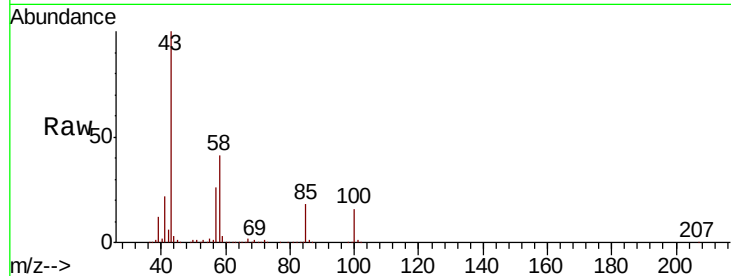
ClientSampleId :

Tot Ion: 43 Resp: 864051

Ion Ratio Lower Upper

43 100

58 41.1 32.2 48.4



#52

Toluene

Concen: 19.563 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053057.D

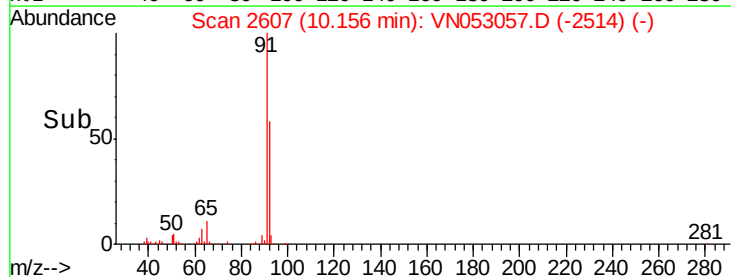
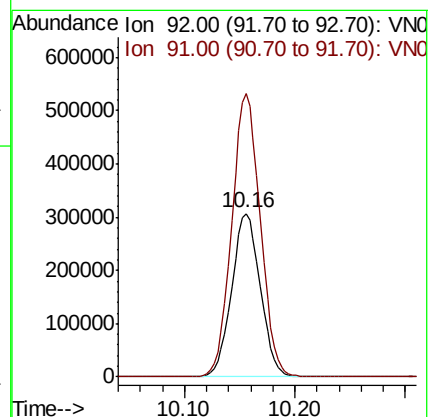
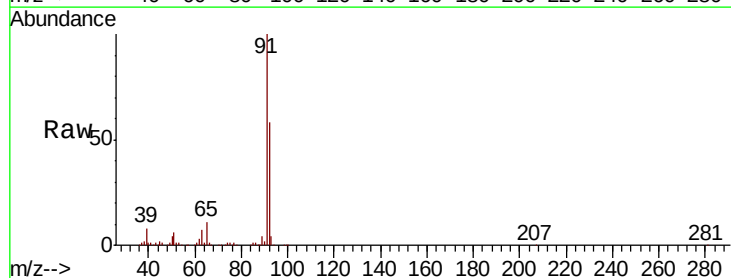
Acq: 20 Dec 2018 15:28

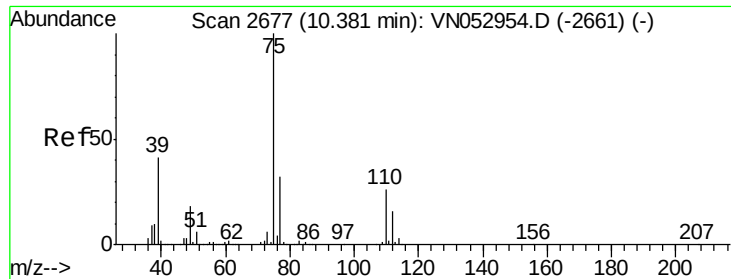
Tgt Ion: 92 Resp: 550499

Ion Ratio Lower Upper

92 100

91 172.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.150 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

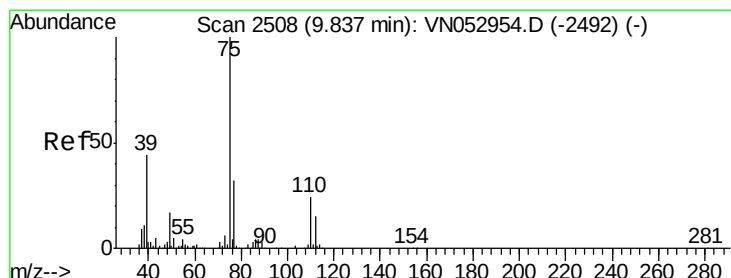
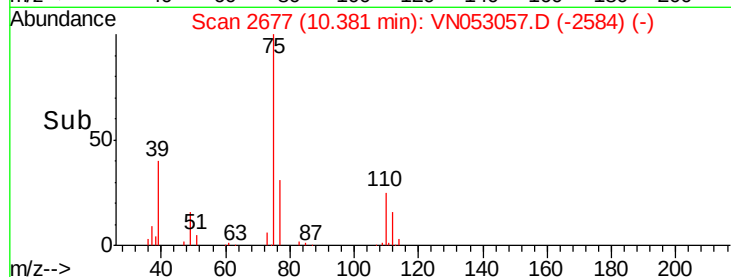
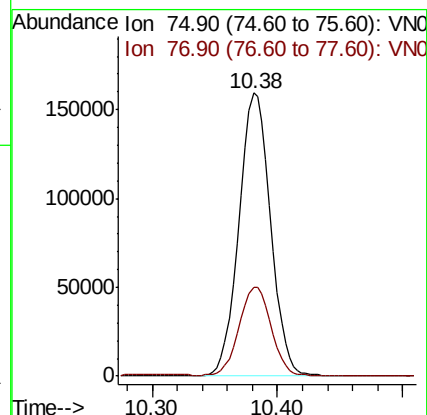
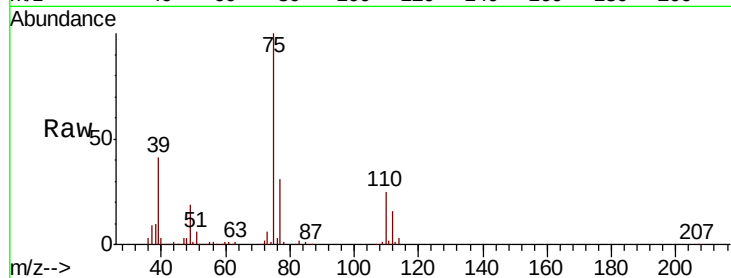
ClientSampled :

Tot Ion: 75 Resp: 279485

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.867 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

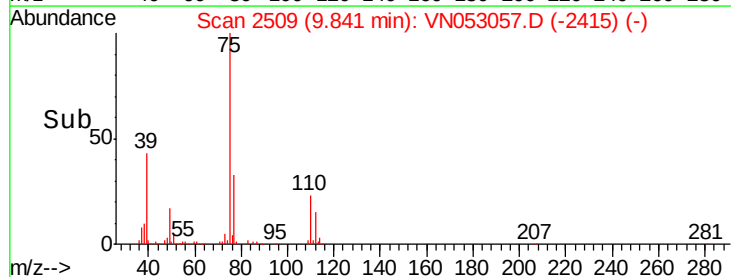
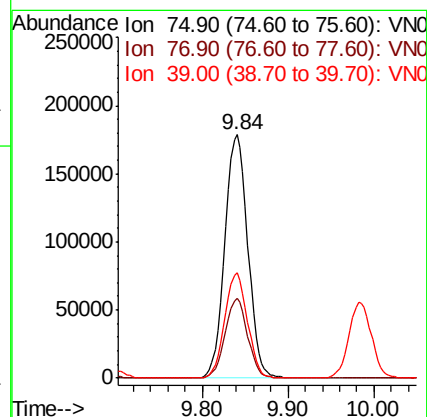
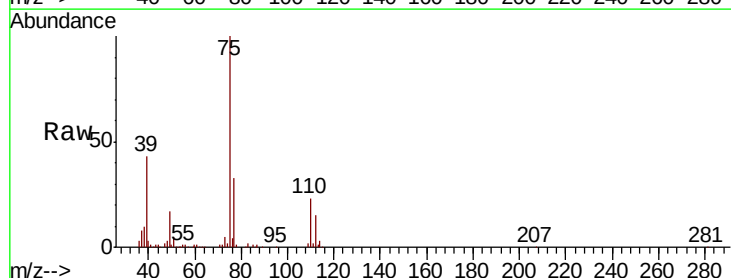
Tgt Ion: 75 Resp: 333462

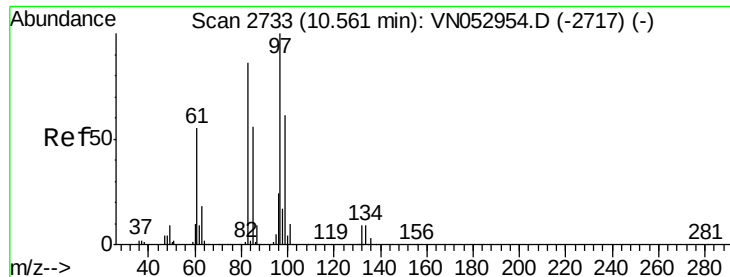
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

39 43.0 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 20.078 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 197116

Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.9	106.3
85	56.3	45.4	68.2
99	63.5	50.4	75.6

Abundance

Ion 96.90 (96.60 to 97.60): VN0

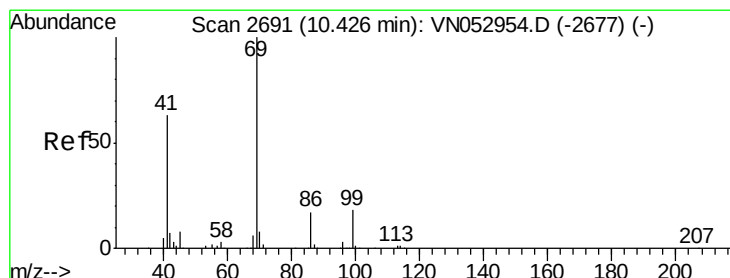
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 19.877 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion: 69 Resp: 258280

Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	29.4	24.6	37.0

Abundance

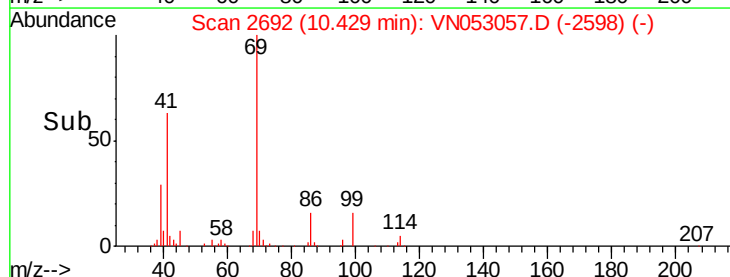
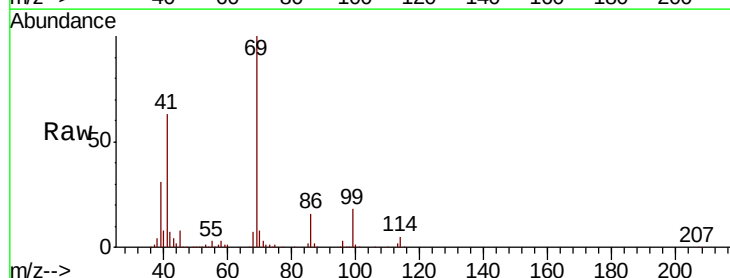
Ion 69.00 (68.70 to 69.70): VN0

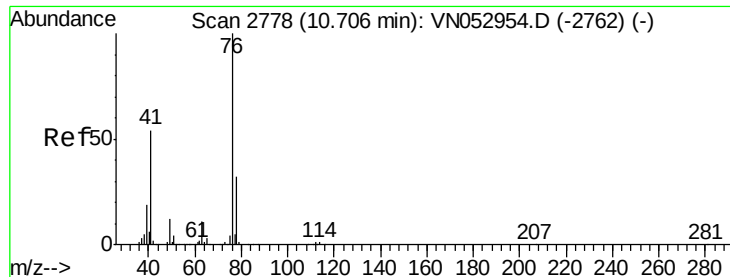
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->





#57

1,3-Dichloropropane

Concen: 19.902 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

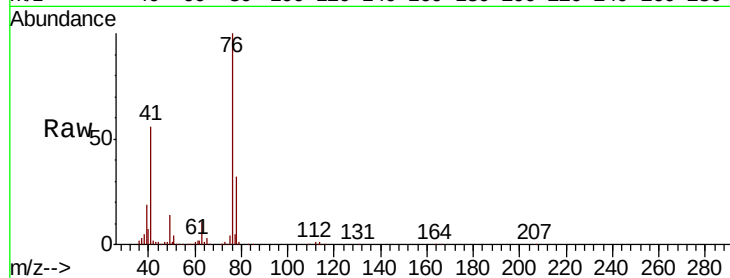
ClientSampleId :

Tot Ion: 76 Resp: 335056

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

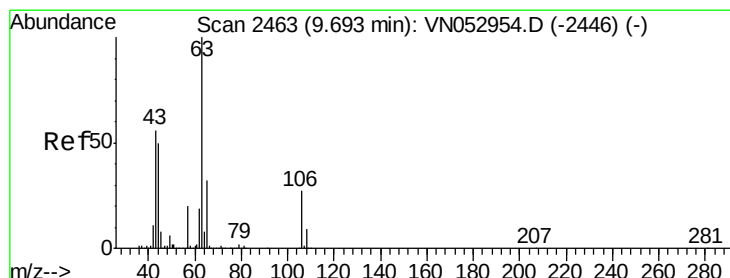
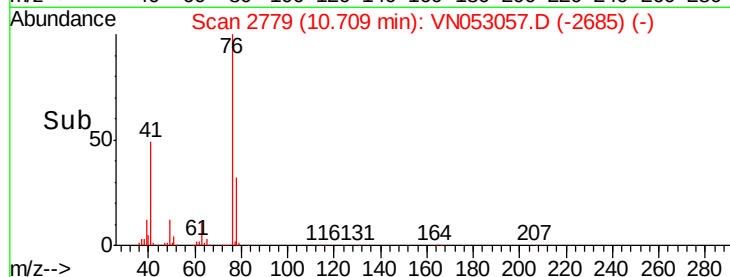
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 104.383 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053057.D

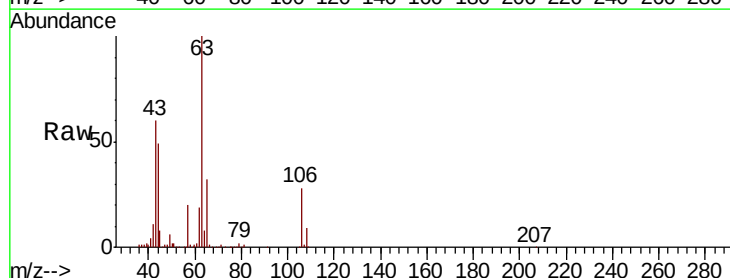
Acq: 20 Dec 2018 15:28

Tgt Ion: 63 Resp: 744641

Ion Ratio Lower Upper

63 100

106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

500000

400000

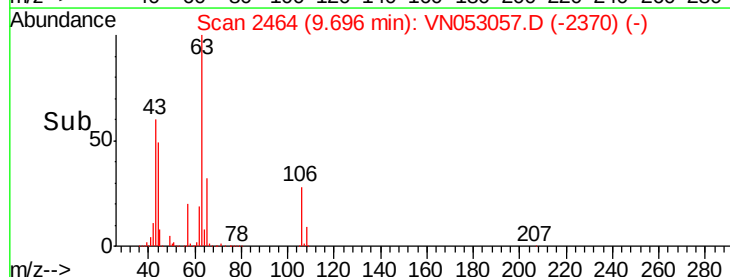
300000

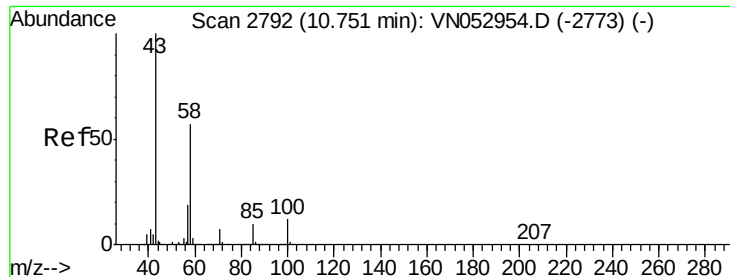
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

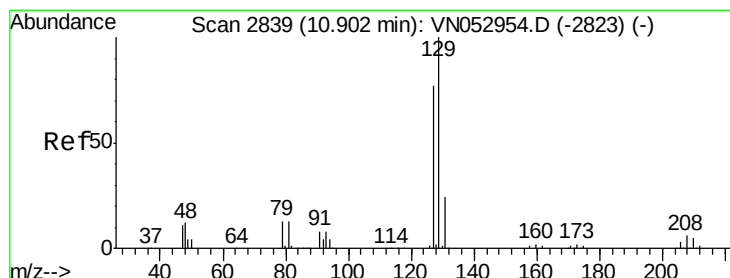
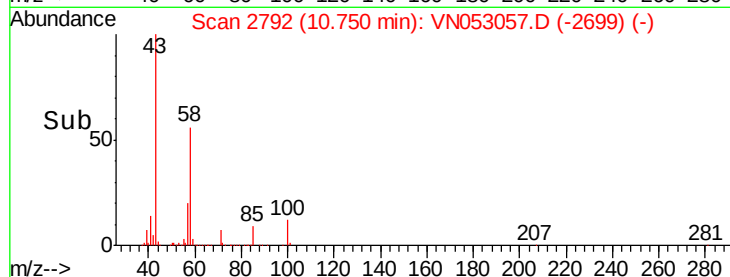
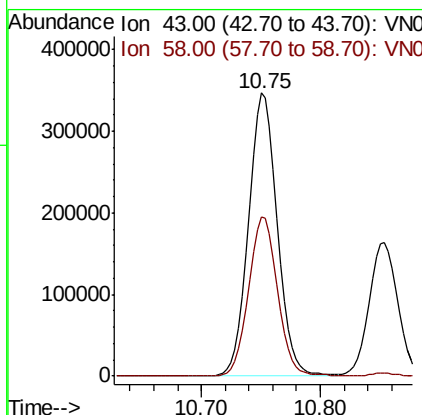
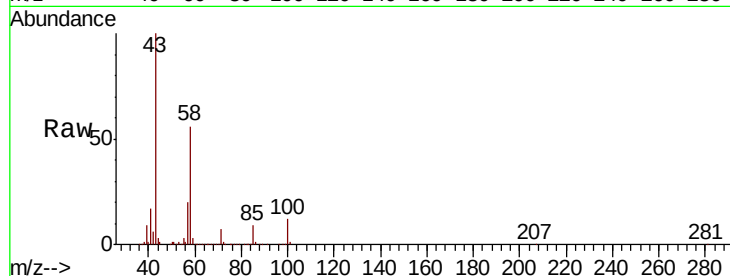




#59
2-Hexanone
Concen: 103.579 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

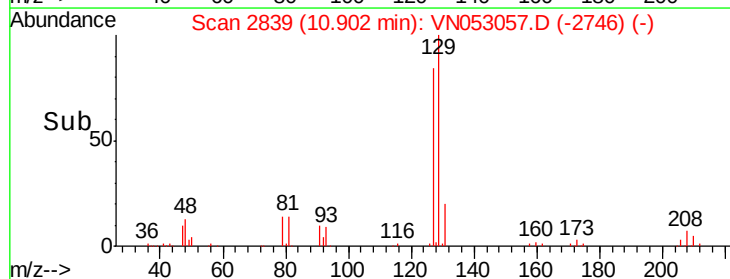
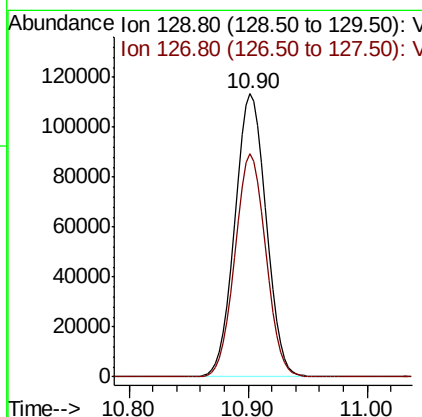
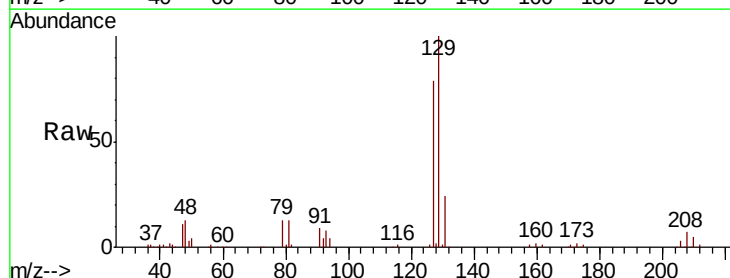
Instrument :
MSVOA_N
ClientSampled :

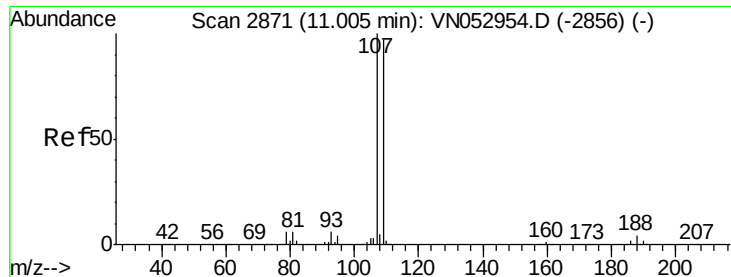
Tot Ion: 43 Resp: 578276
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.3



#60
Dibromochloromethane
Concen: 18.451 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 129 Resp: 207346
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.406 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

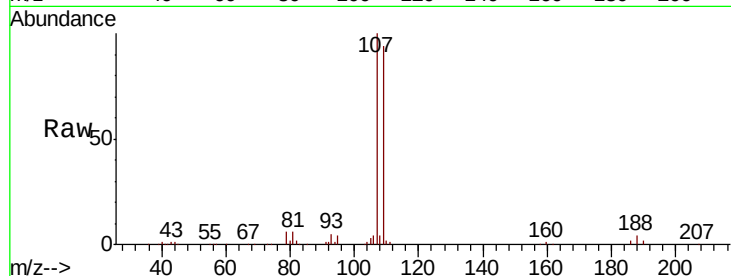
ClientSampleId :

Tot Ion:107 Resp: 193493

Ion Ratio Lower Upper

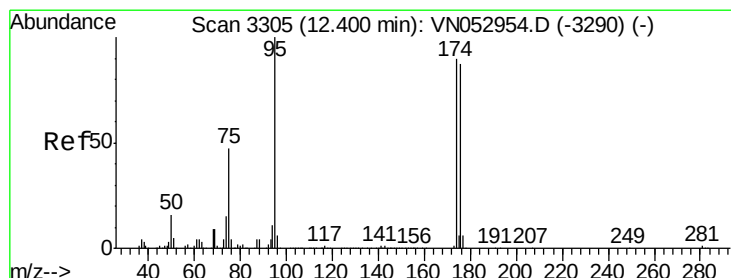
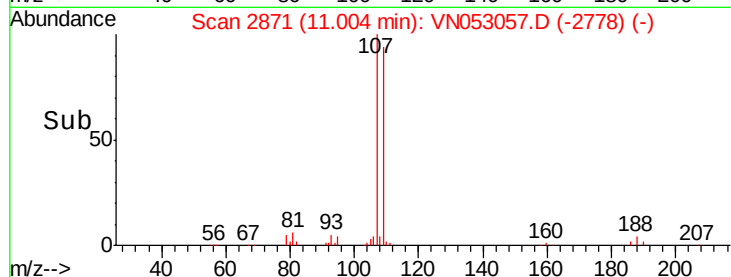
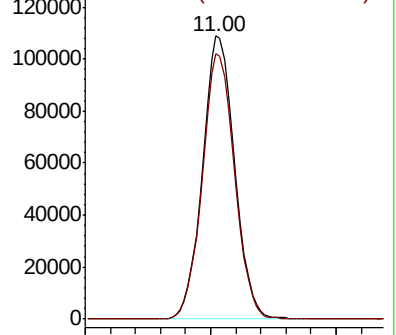
107 100

109 94.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.406 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

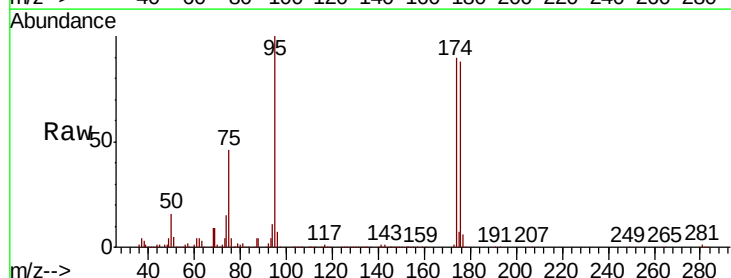
Tgt Ion: 95 Resp: 686818

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

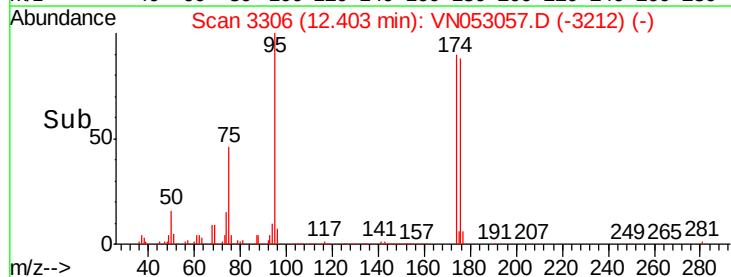
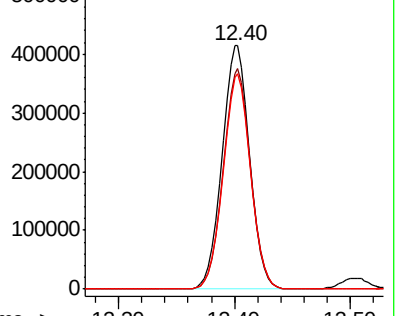
176 87.8 0.0 173.8

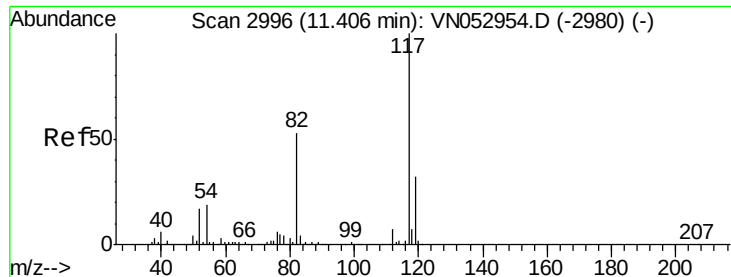


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

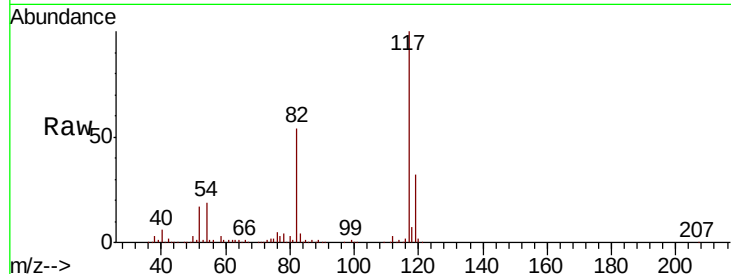




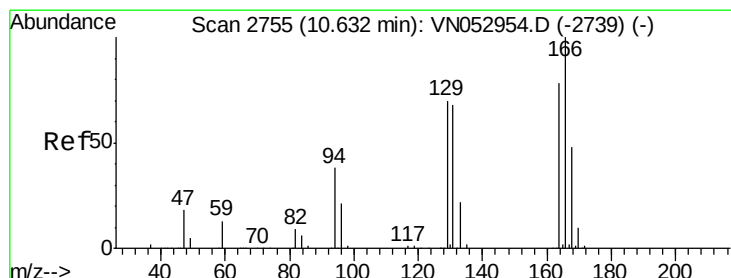
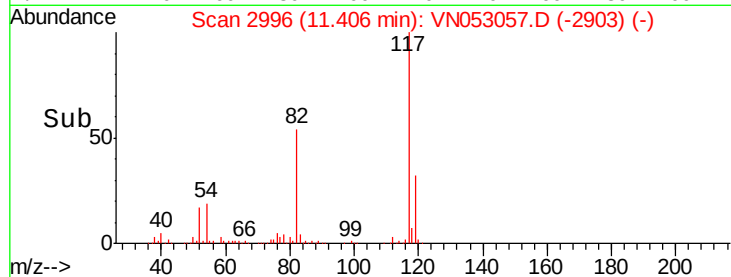
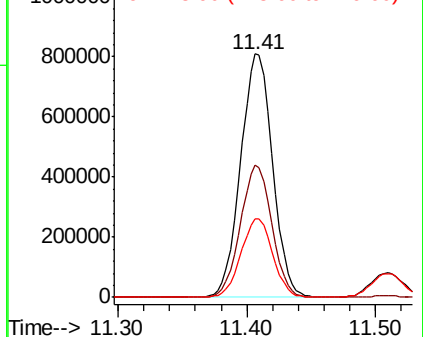
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1396319
Ion Ratio Lower Upper
117 100
82 54.3 42.8 64.2
119 32.4 25.5 38.3

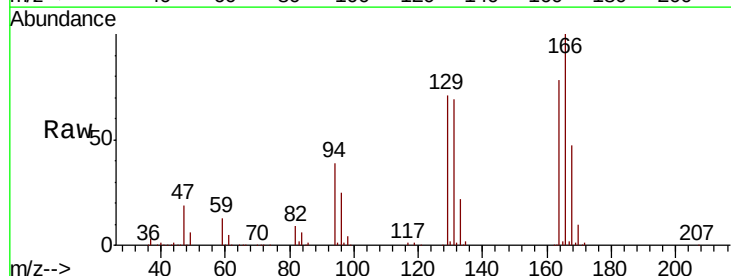


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

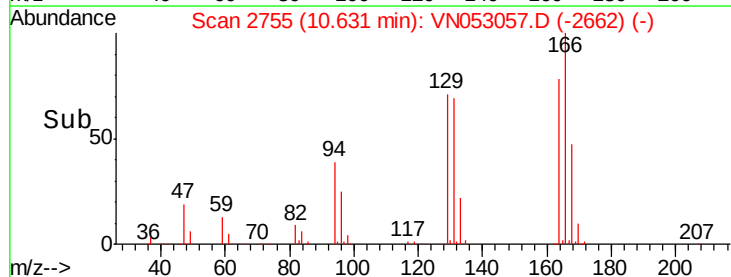
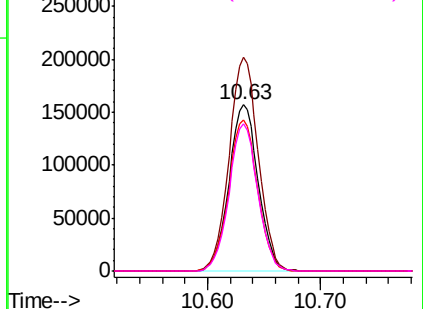


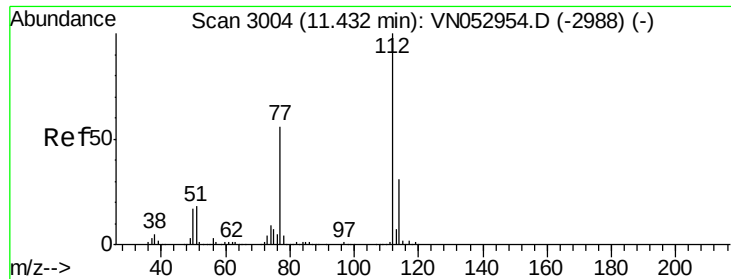
#64
Tetrachloroethene
Concen: 18.565 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion:164 Resp: 280796
Ion Ratio Lower Upper
164 100
166 128.5 102.9 154.3
129 90.7 73.7 110.5
131 88.5 70.7 106.1



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

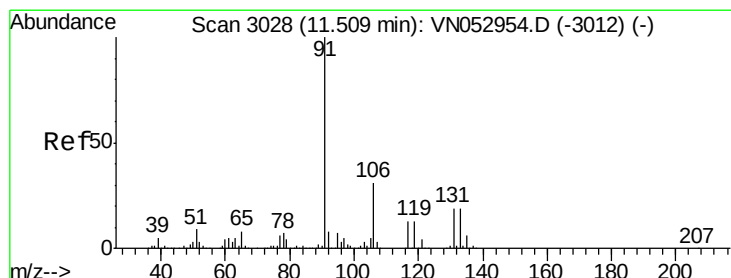
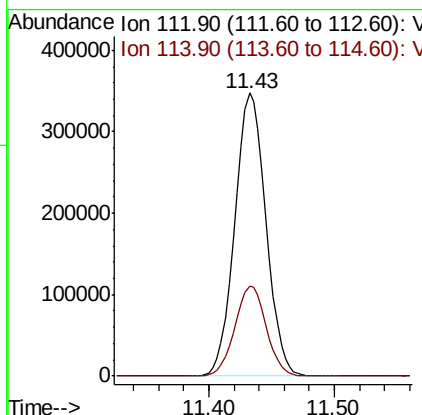
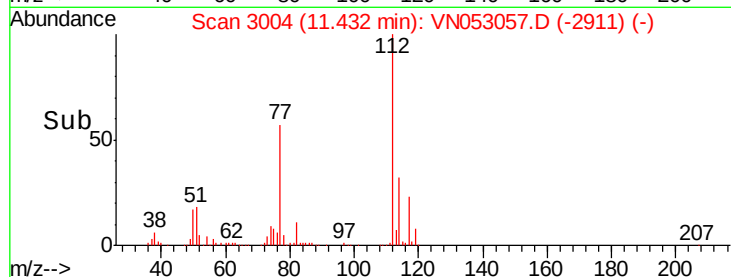
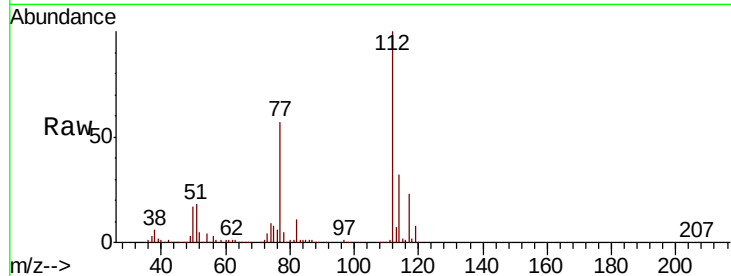




#65
Chlorobenzene
Concen: 19.321 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

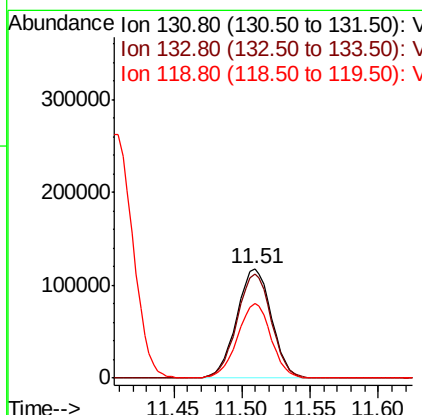
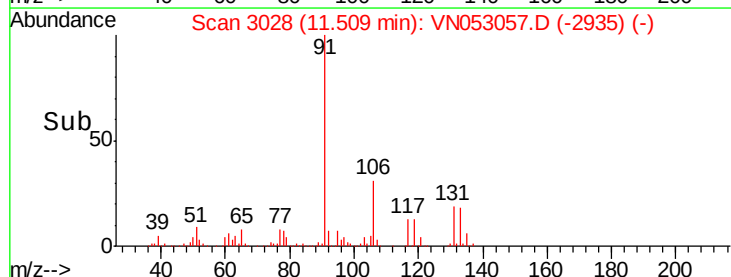
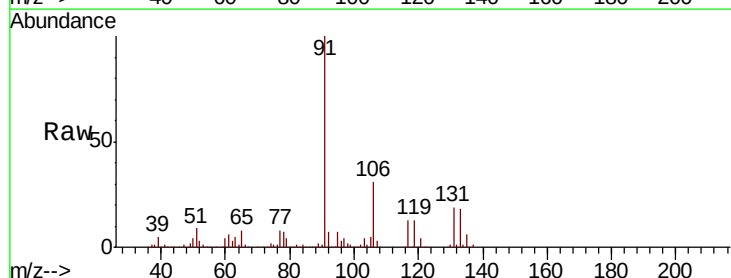
Instrument :
MSVOA_N
ClientSampleId :

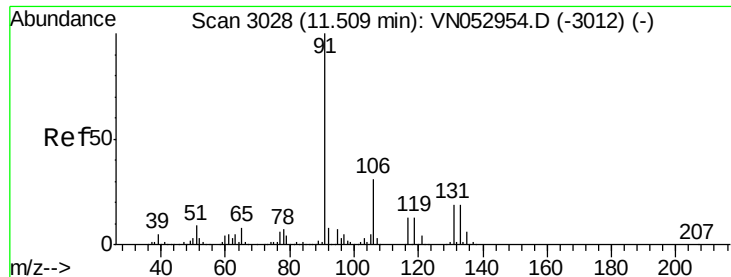
Tot Ion:112 Resp: 598042
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.395 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion:131 Resp: 208764
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.9
119 66.0 33.3 99.8

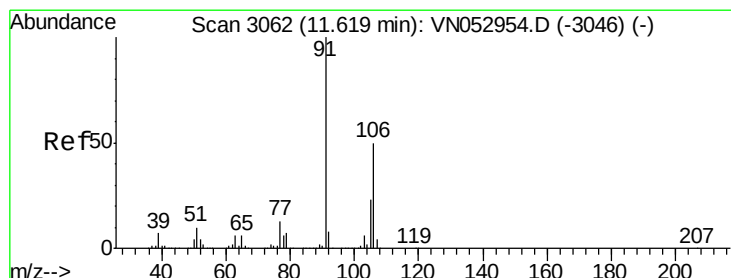
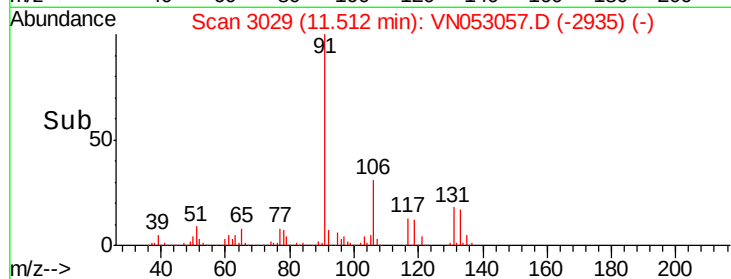
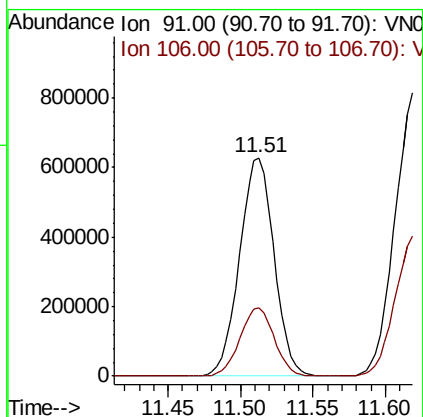
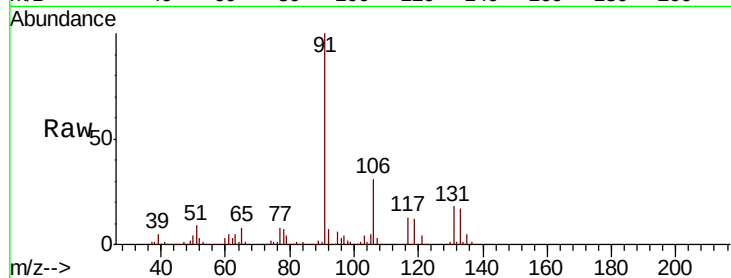




#67
Ethyl Benzene
Concen: 19.483 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

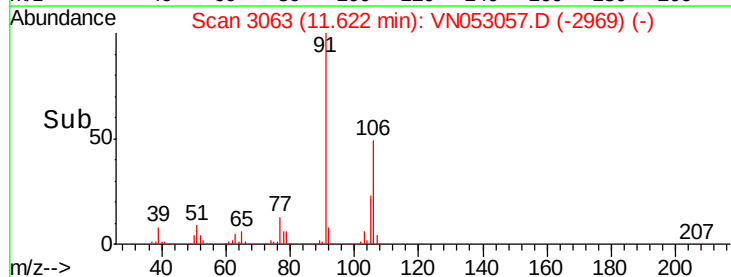
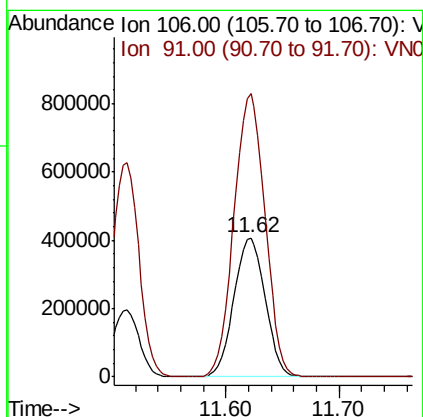
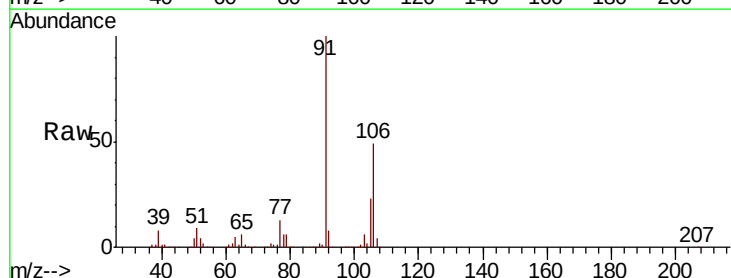
Instrument :
MSVOA_N
ClientSampled :

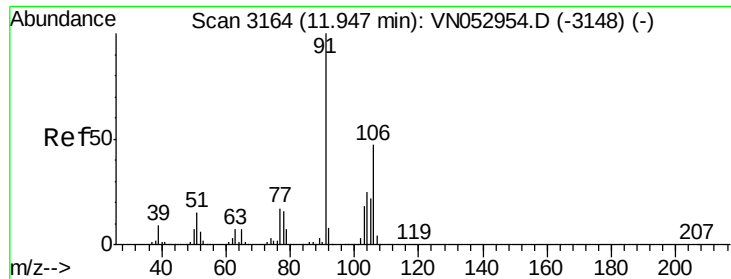
Tot Ion: 91 Resp: 1037078
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 38.812 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 106 Resp: 785394
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4

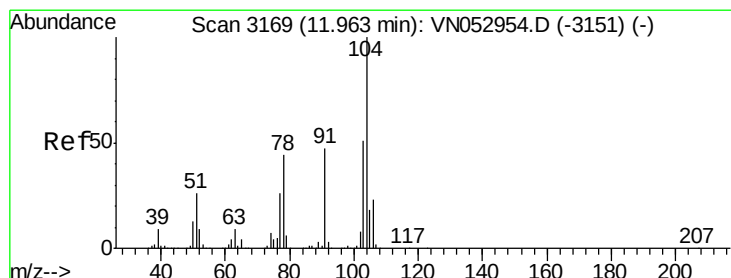
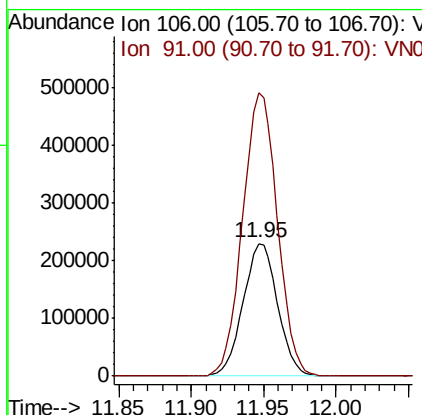
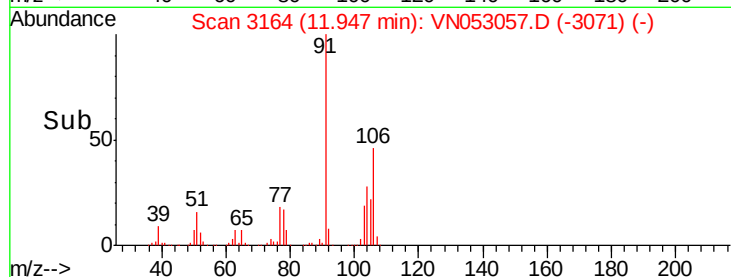
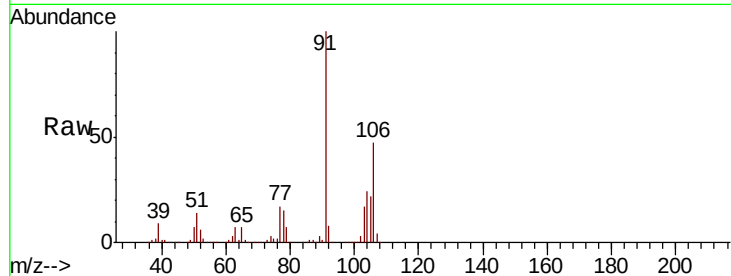




#69
o-Xylene
Concen: 19.621 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

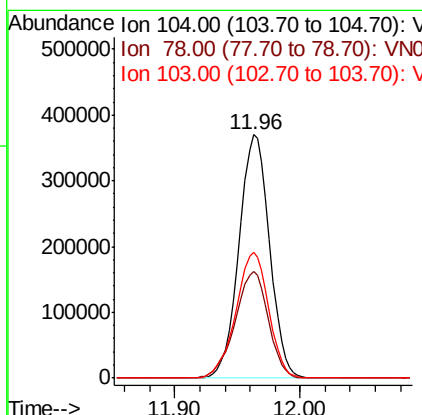
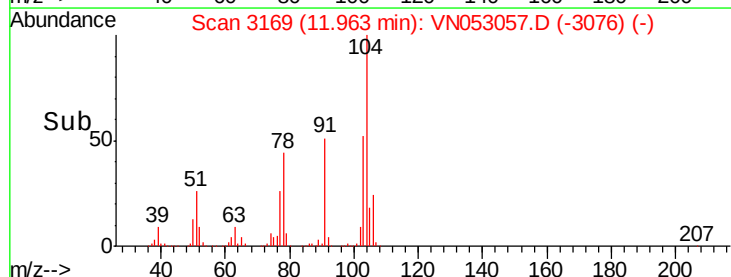
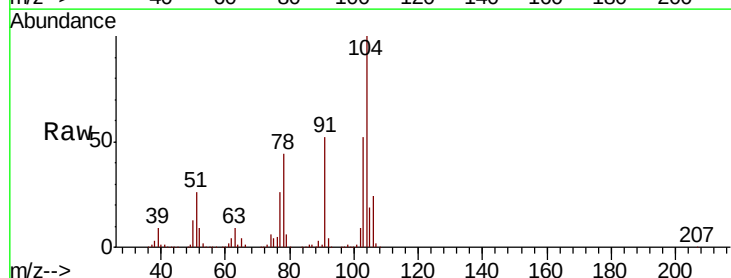
Instrument :
MSVOA_N
ClientSampled :

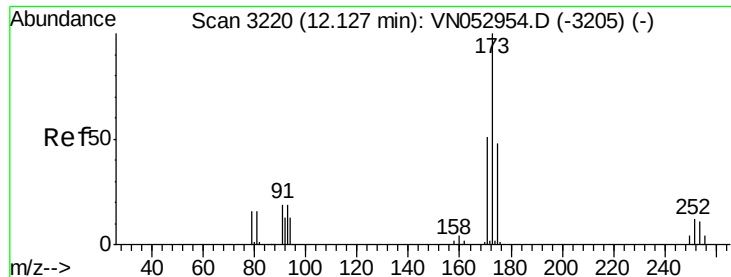
Tot Ion:106 Resp: 380996
Ion Ratio Lower Upper
106 100
91 215.3 106.6 319.8



#70
Styrene
Concen: 19.794 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion:104 Resp: 626744
Ion Ratio Lower Upper
104 100
78 47.5 38.9 58.3
103 55.4 44.3 66.5





#71

Bromoform

Concen: 17.790 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

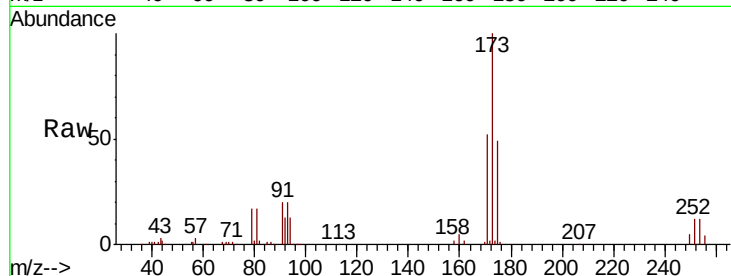
Tot Ion:173 Resp: 138330

Ion Ratio Lower Upper

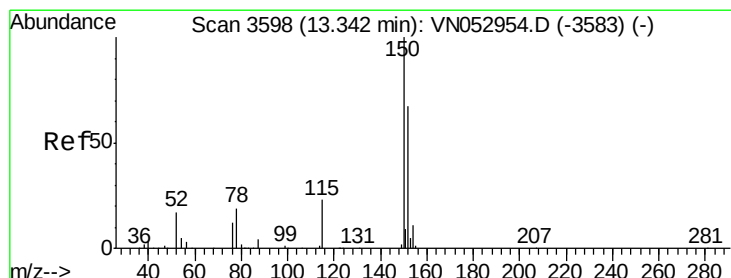
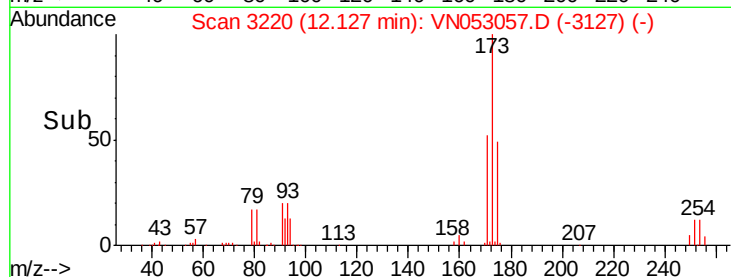
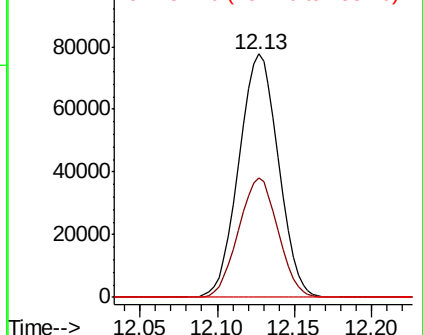
173 100

175 49.1 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

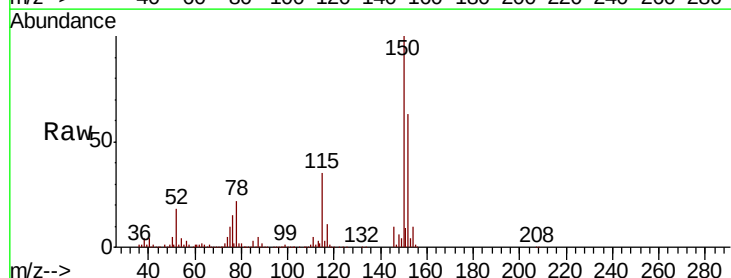
Tgt Ion:152 Resp: 643502

Ion Ratio Lower Upper

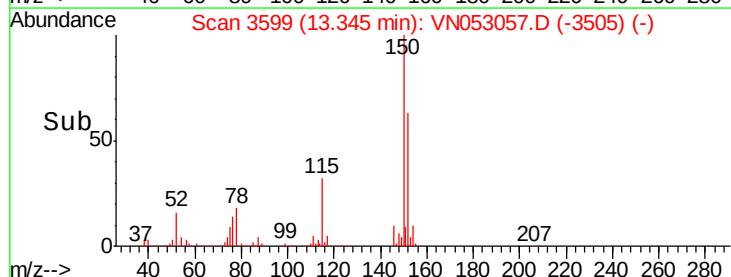
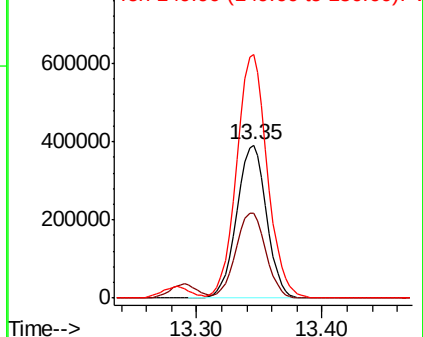
152 100

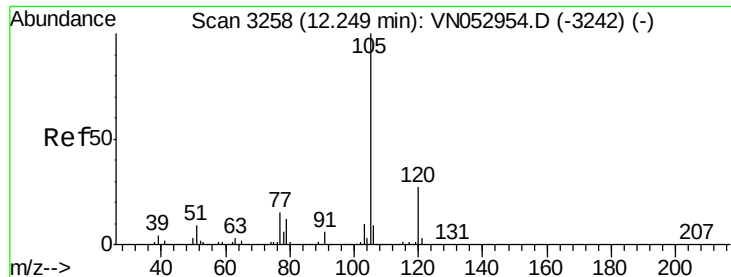
115 56.4 28.3 85.0

150 164.2 0.0 347.8



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





#73

Isopropylbenzene

Concen: 20.094 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

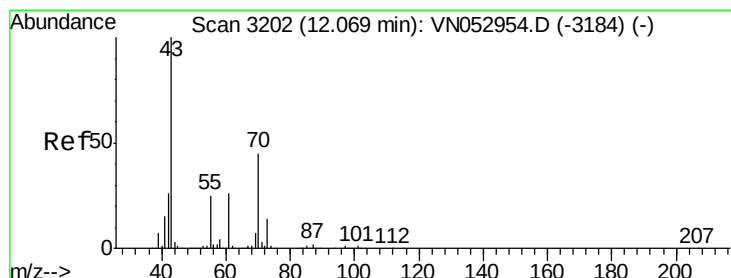
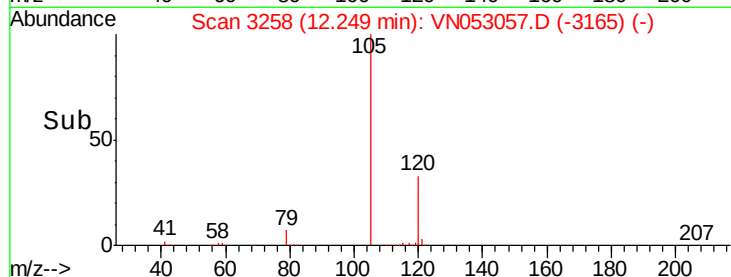
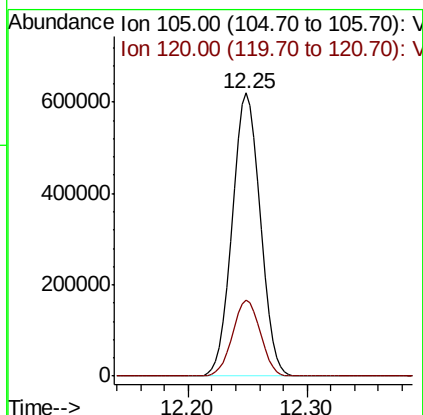
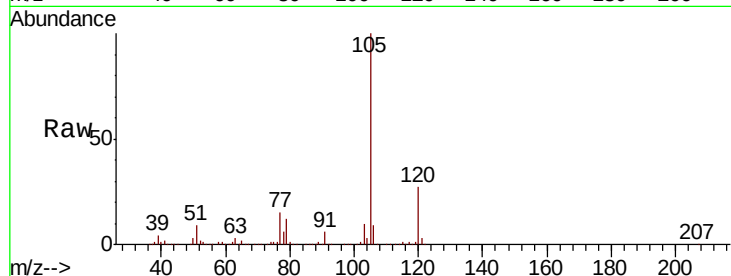
ClientSampleId :

Tot Ion:105 Resp: 1011723

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 20.680 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion: 43 Resp: 289077

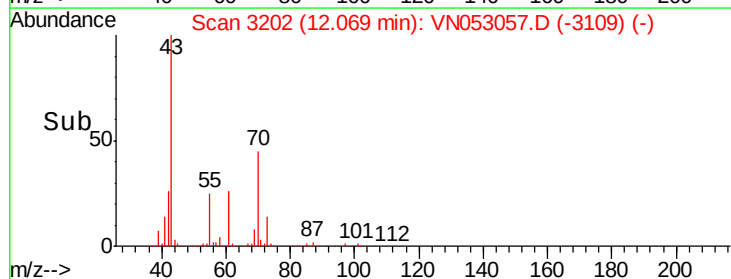
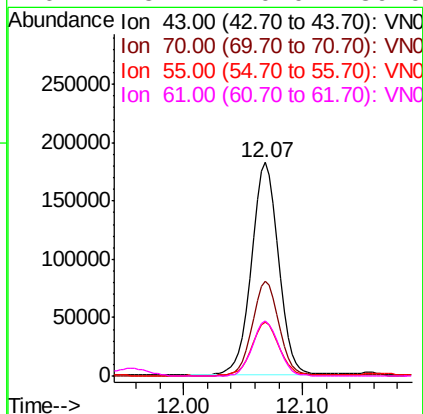
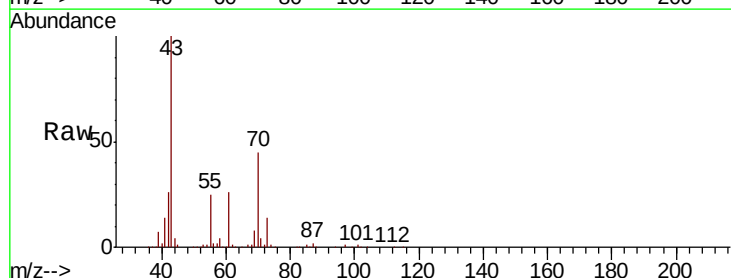
Ion Ratio Lower Upper

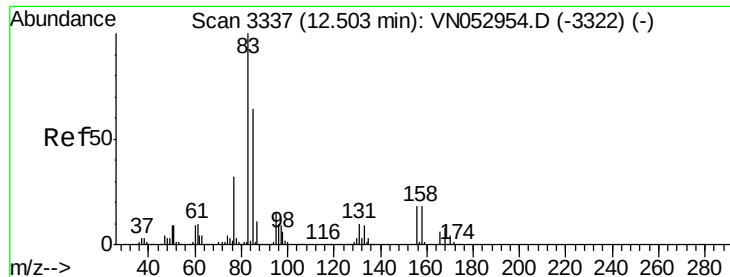
43 100

70 43.5 34.2 51.4

55 25.2 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.666 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

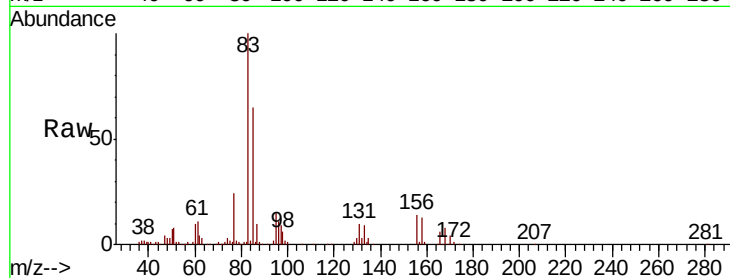
Tot Ion: 83 Resp: 214010

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.4 32.4 97.0

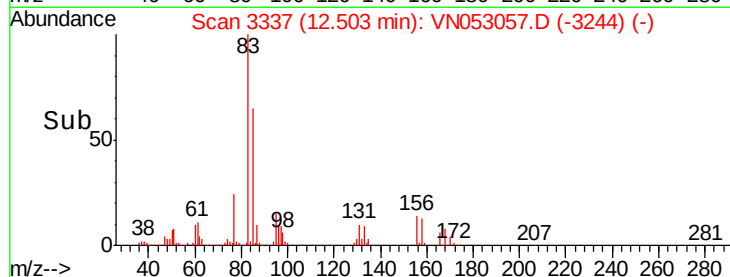


Abundance Ion 82.90 (82.60 to 83.60): VN053057.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053057.D (-3322) (-)

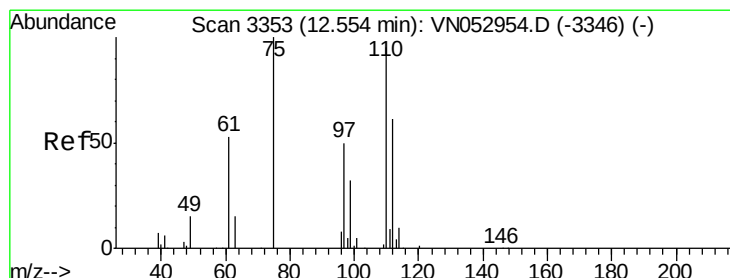
Ion 84.90 (84.60 to 85.60): VN053057.D (-3322) (-)

Time-->



12.50

12.55



#76

1,2,3-Trichloropropane

Concen: 26.466 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053057.D

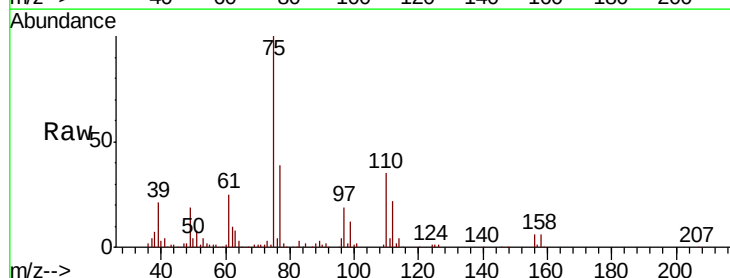
Acq: 20 Dec 2018 15:28

Tgt Ion: 75 Resp: 286693

Ion Ratio Lower Upper

75 100

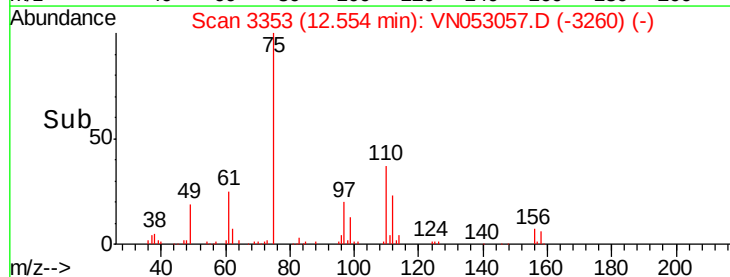
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053057.D (-3353) (-)

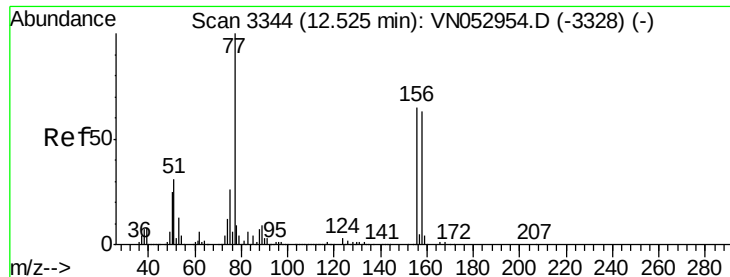
Ion 77.00 (76.70 to 77.70): VN053057.D (-3353) (-)

Time-->



12.55

12.60



#77

Bromobenzene

Concen: 19.761 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

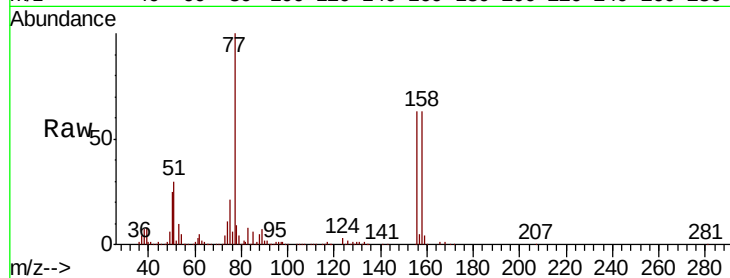
Tot Ion:156 Resp: 258626

Ion Ratio Lower Upper

156 100

77 180.9 91.3 273.8

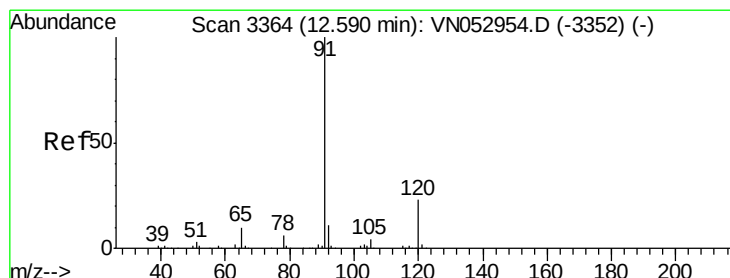
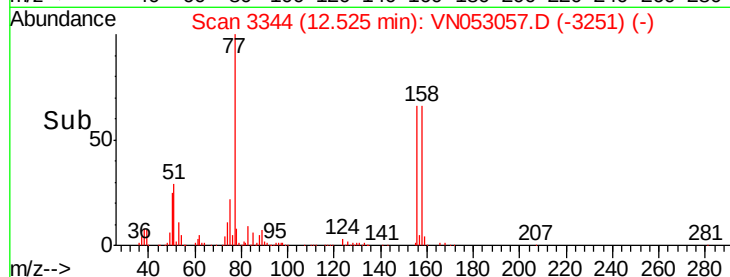
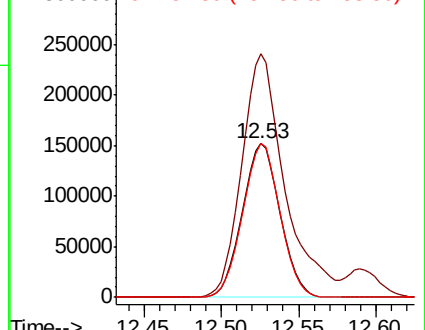
158 98.7 49.0 147.2



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: 19.679 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053057.D

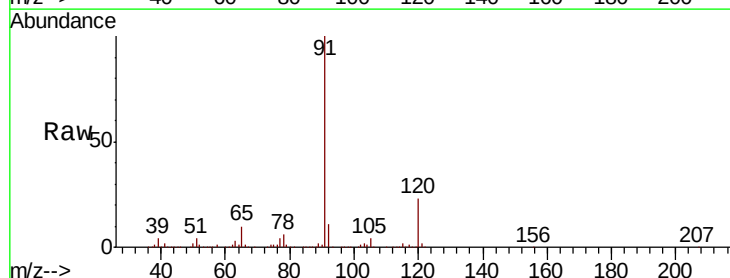
Acq: 20 Dec 2018 15:28

Tgt Ion: 91 Resp: 1128432

Ion Ratio Lower Upper

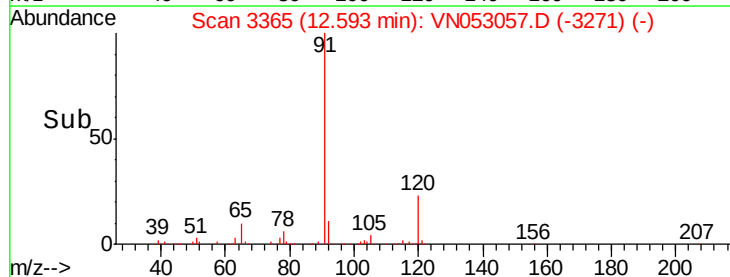
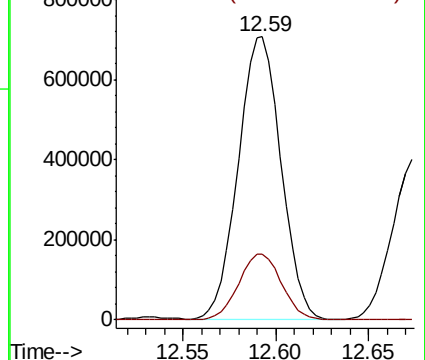
91 100

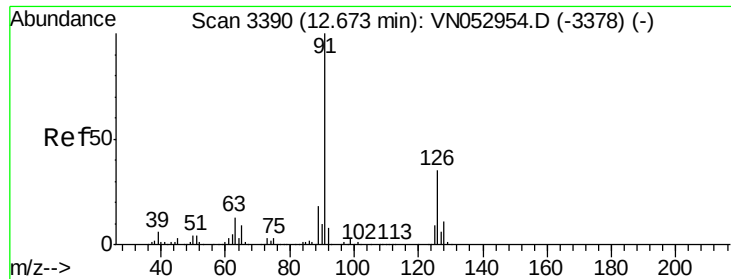
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.031 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

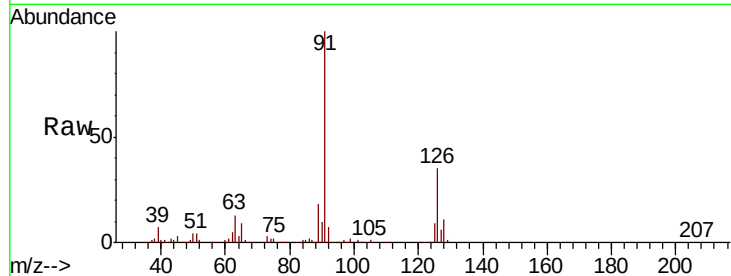
ClientSampleId :

Tot Ion: 91 Resp: 676431

Ion Ratio Lower Upper

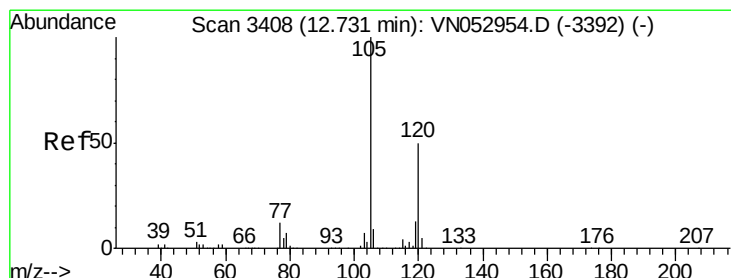
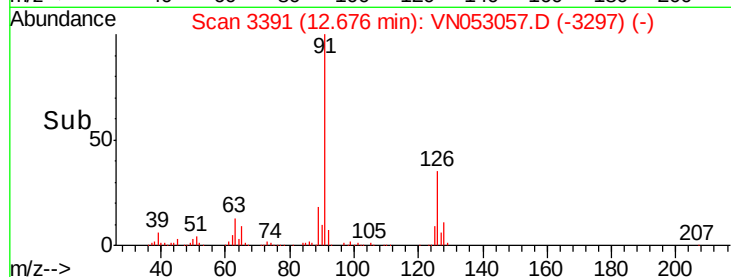
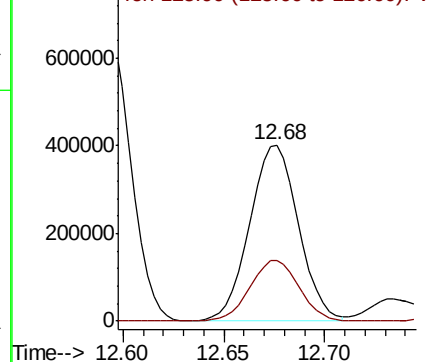
91 100

126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.757 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053057.D

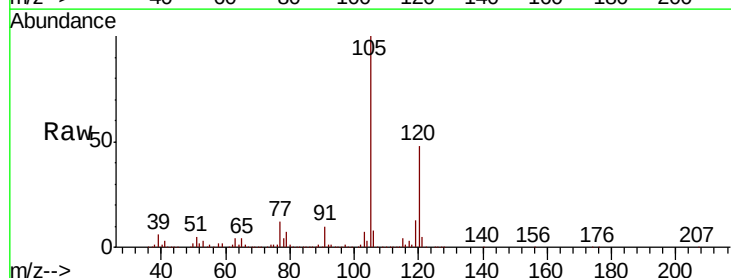
Acq: 20 Dec 2018 15:28

Tgt Ion: 105 Resp: 810785

Ion Ratio Lower Upper

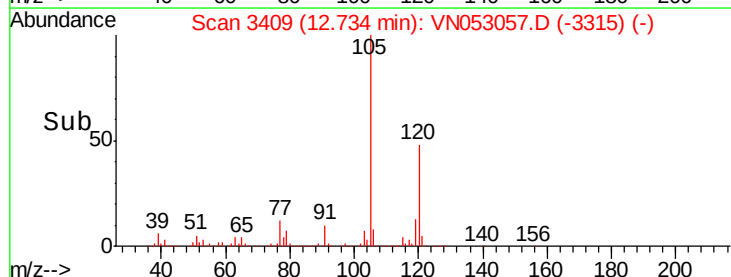
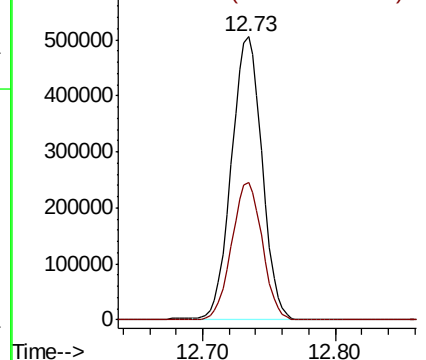
105 100

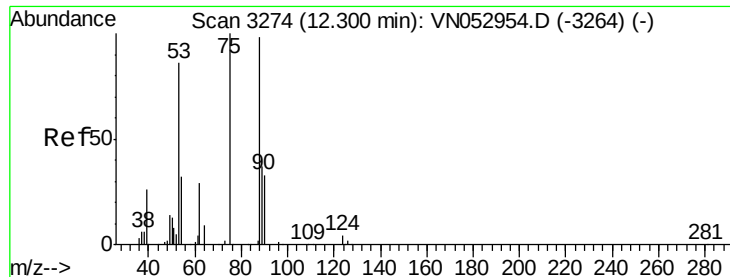
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

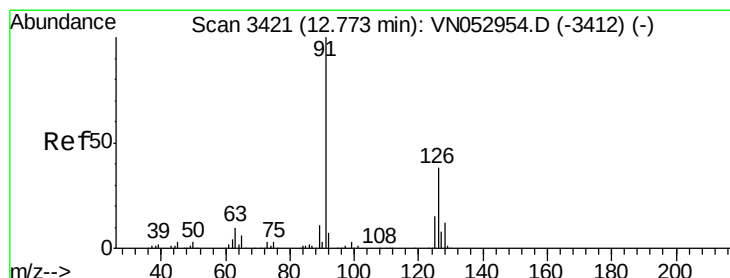
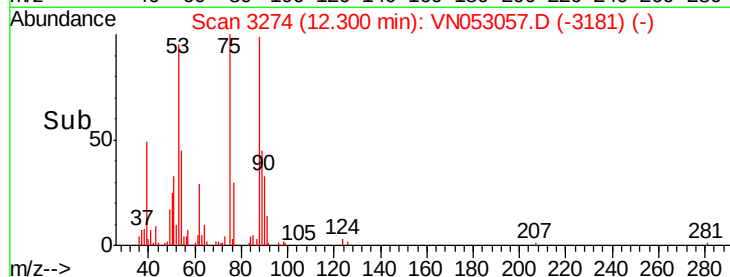
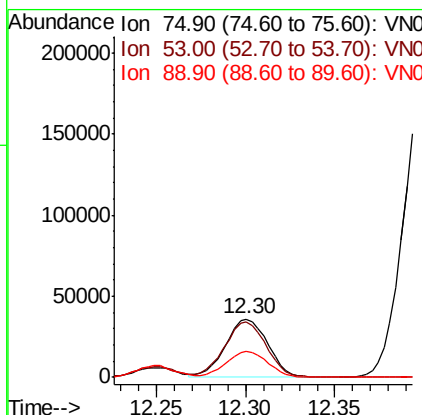
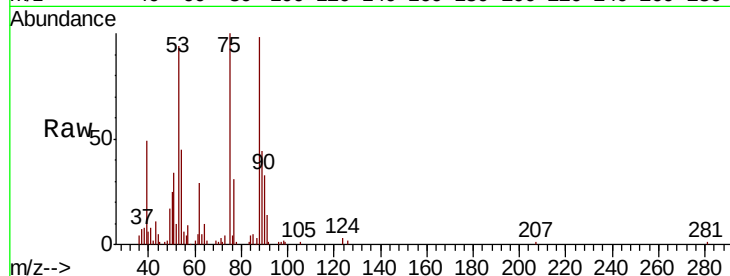




#81
trans-1,4-Dichloro-2-butene
Concen: 17.650 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

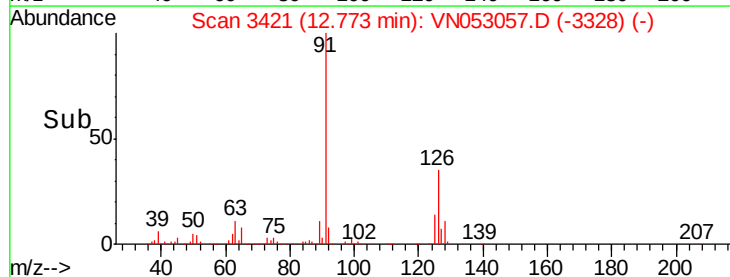
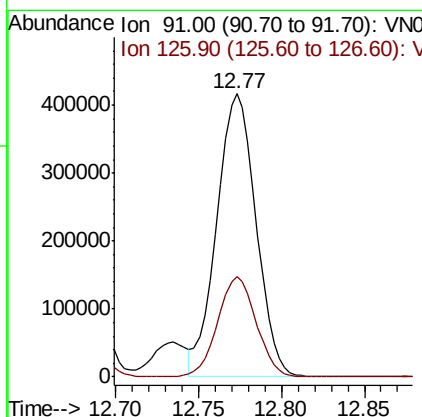
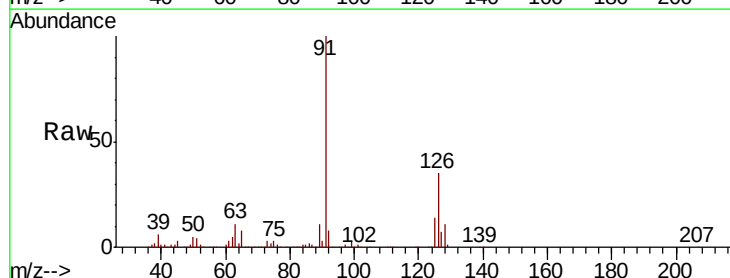
Instrument :
MSVOA_N
ClientSampleId :

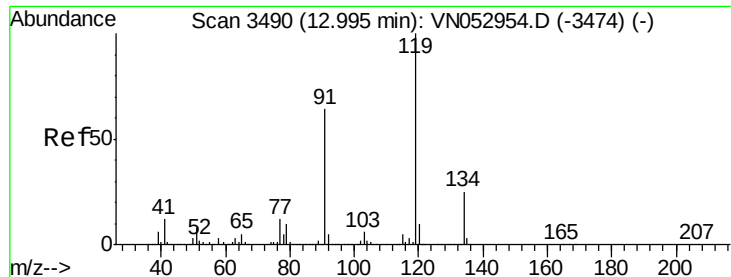
Tot Ion: 75 Resp: 59322
Ion Ratio Lower Upper
75 100
53 94.7 74.7 112.1
89 44.1 36.1 54.1



#82
4-Chlorotoluene
Concen: 19.668 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 91 Resp: 684340
Ion Ratio Lower Upper
91 100
126 34.7 17.3 51.7

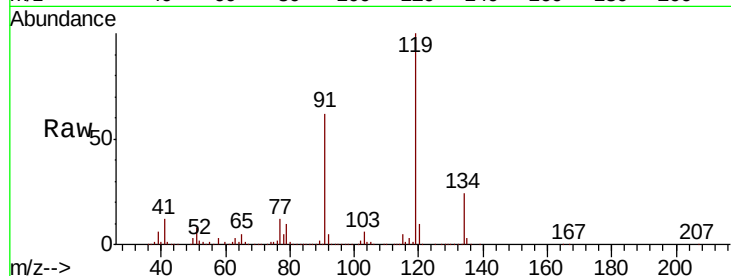




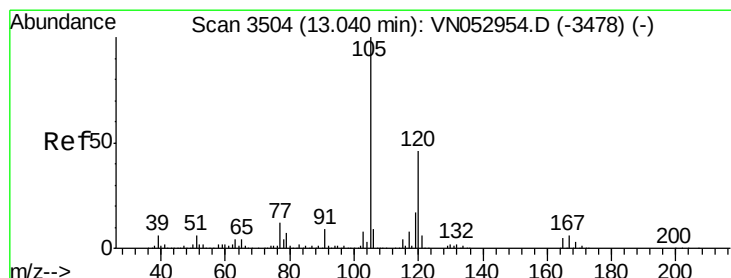
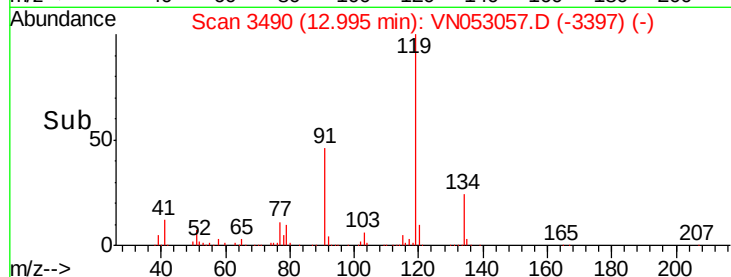
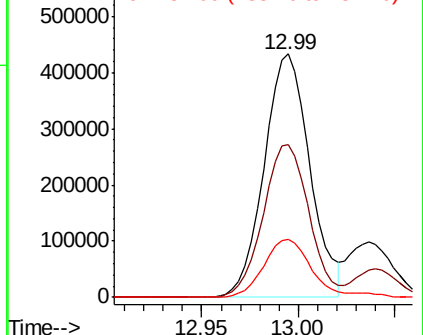
#83
 tert-Butylbenzene
 Concen: 19.642 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 712918
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.9 95.5
 134 25.4 12.8 38.4

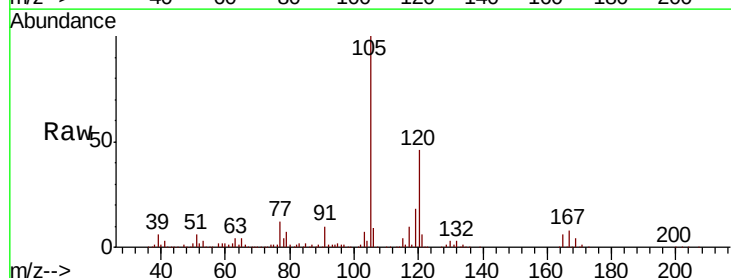


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

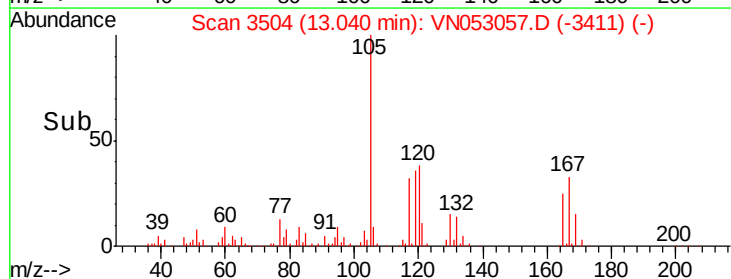
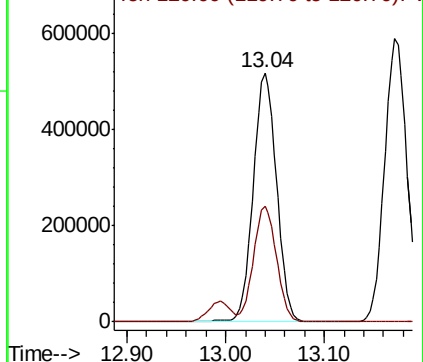


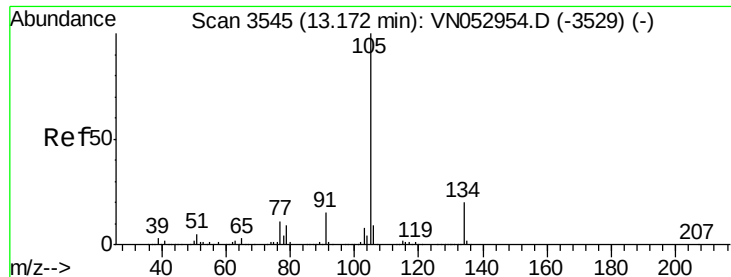
#84
 1,2,4-Trimethylbenzene
 Concen: 20.357 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion:105 Resp: 839814
 Ion Ratio Lower Upper
 105 100
 120 46.0 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: 18.870 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

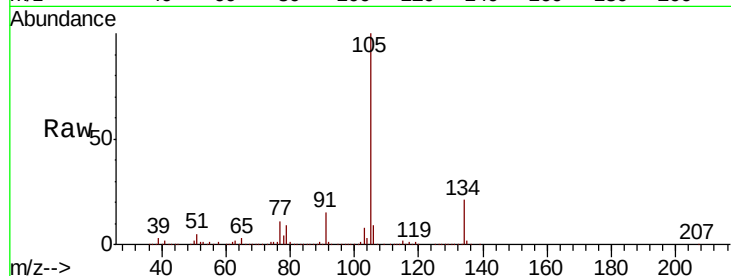
ClientSampleId :

Tot Ion:105 Resp: 926345

Ion Ratio Lower Upper

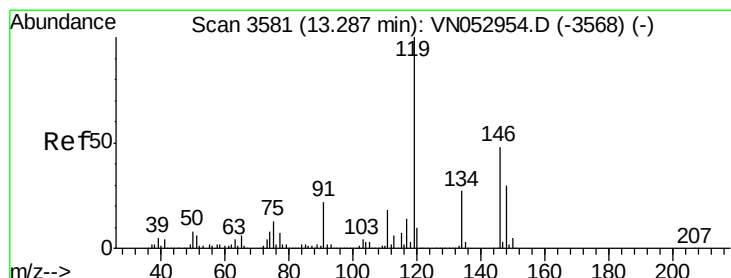
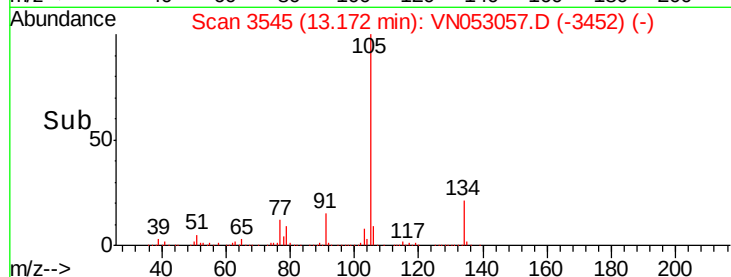
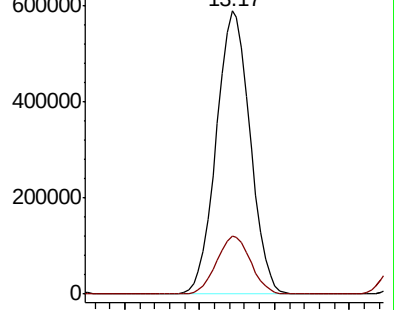
105 100

134 20.7 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.880 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

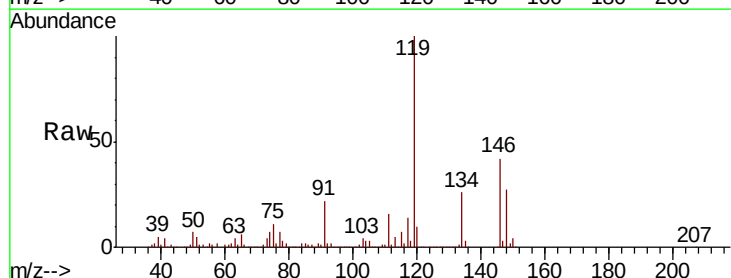
Tgt Ion:119 Resp: 800877

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

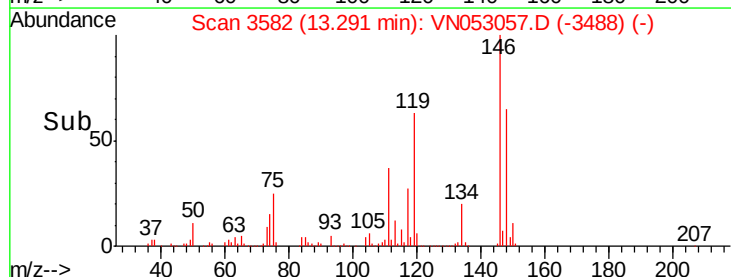
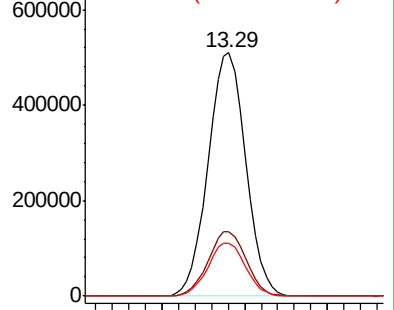
91 21.8 11.1 33.3

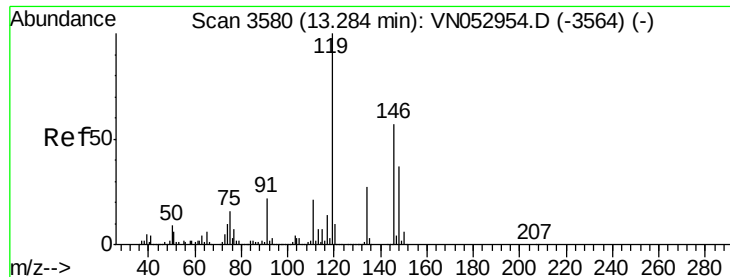


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

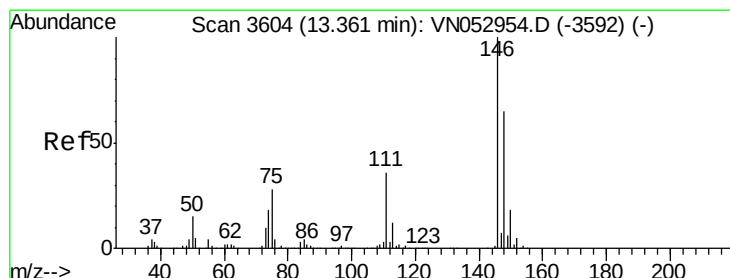
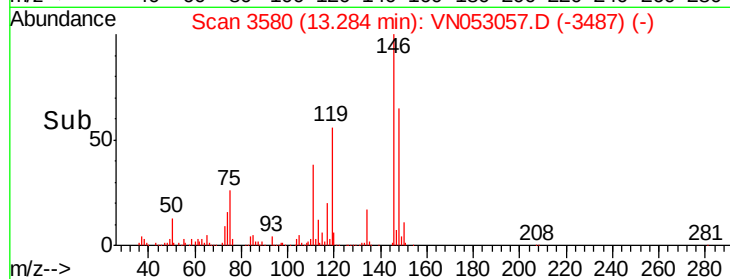
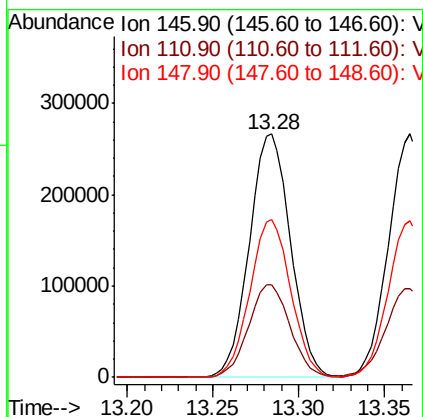
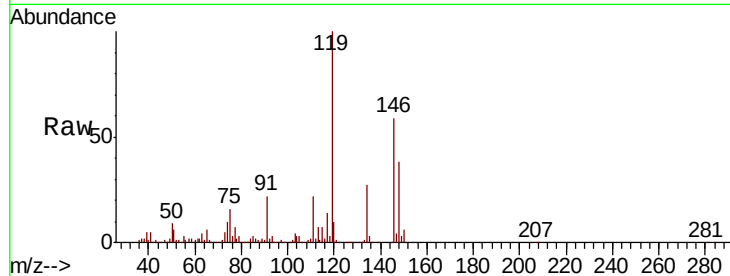




#87
 1,3-Dichlorobenzene
 Concen: 19.120 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

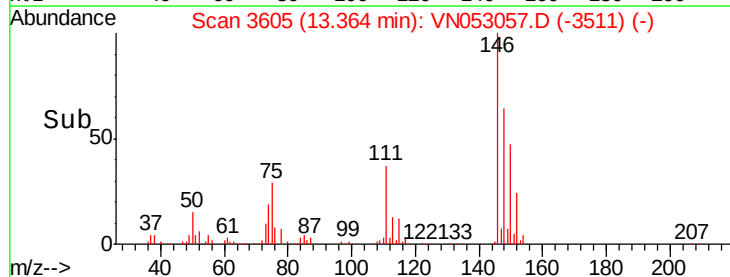
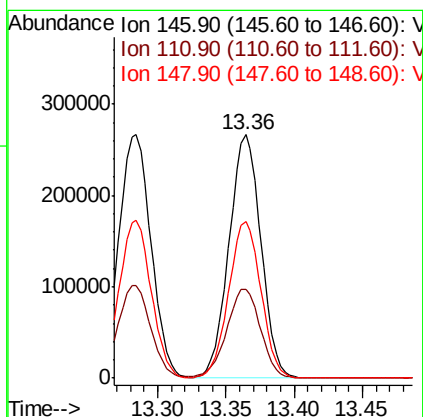
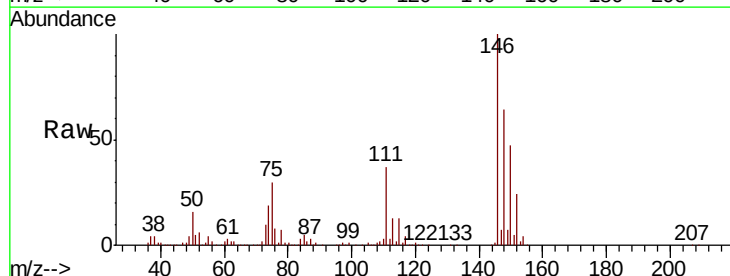
Instrument :
 MSVOA_N
 ClientSampleId :

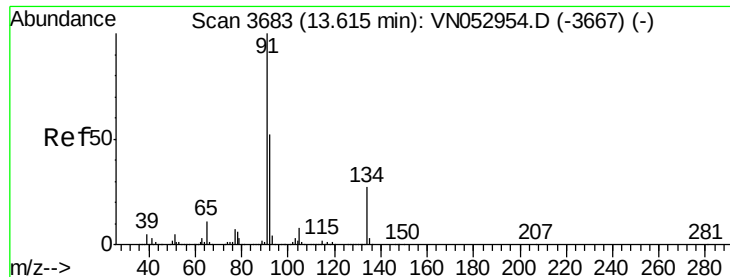
Tot Ion:146 Resp: 442894
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.1
 148 64.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.464 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion:146 Resp: 433132
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.6 55.8
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 17.490 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

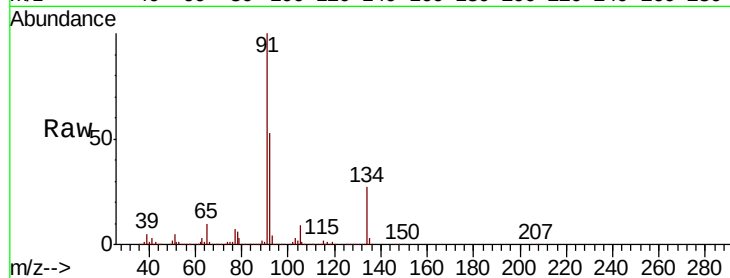
Tot Ion: 91 Resp: 638293

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

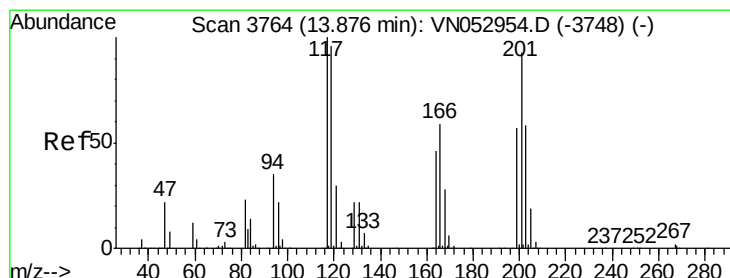
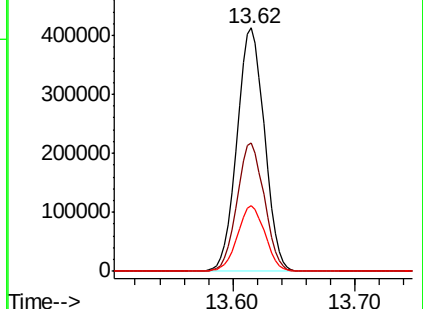
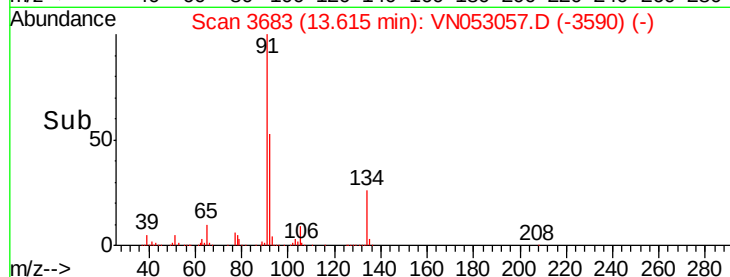
134 27.2 13.3 39.8



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

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

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



#90

Hexachloroethane

Concen: 17.348 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053057.D

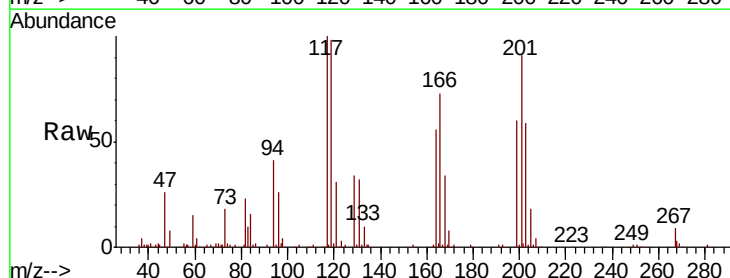
Acq: 20 Dec 2018 15:28

Tgt Ion: 117 Resp: 112928

Ion Ratio Lower Upper

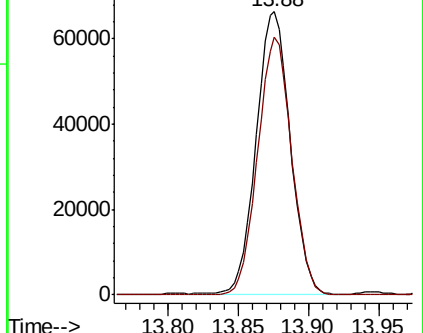
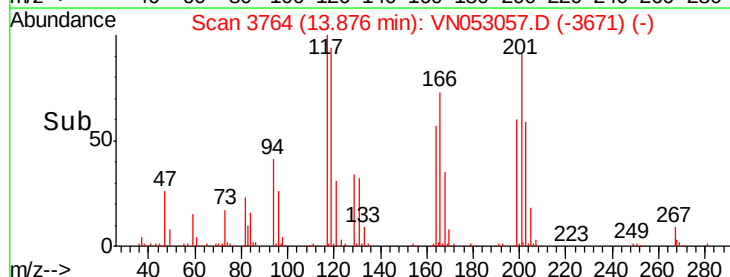
117 100

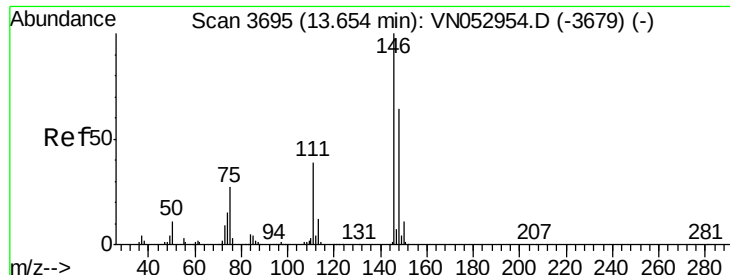
201 89.5 45.7 137.1



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

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





#91

1,2-Dichlorobenzene

Concen: 19.453 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

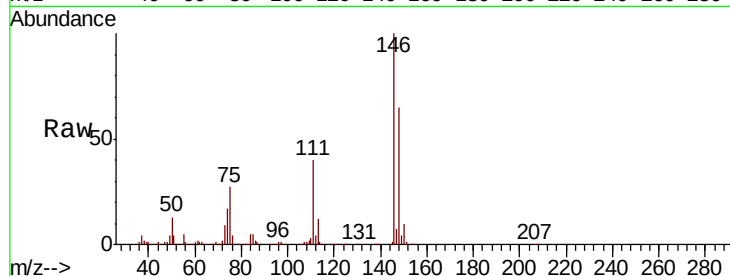
Tot Ion:146 Resp: 424078

Ion Ratio Lower Upper

146 100

111 40.0 19.7 59.0

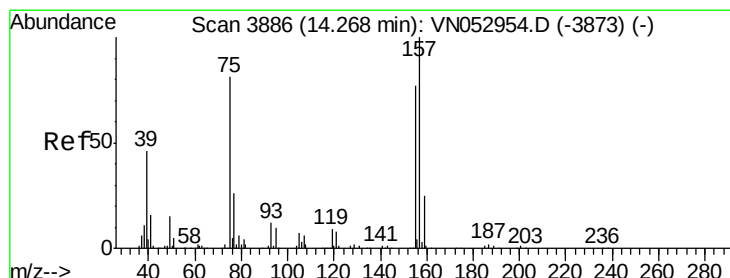
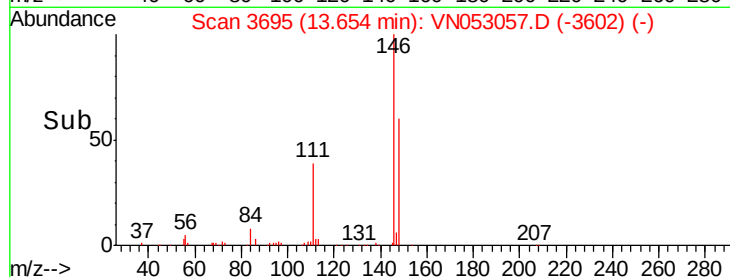
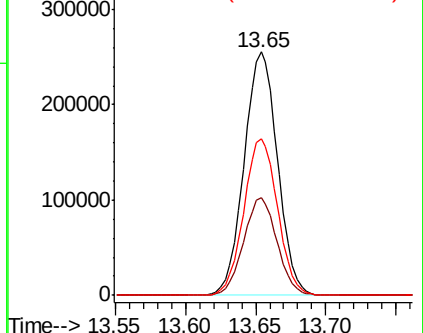
148 65.0 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.890 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

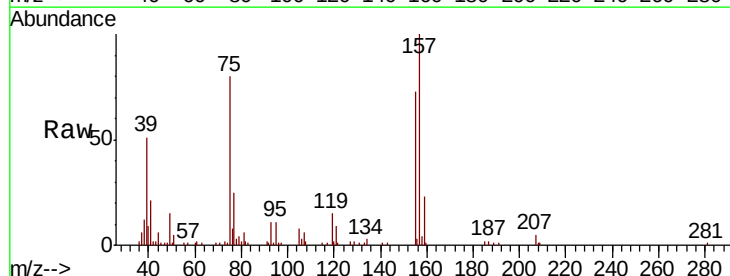
Tgt Ion: 75 Resp: 32262

Ion Ratio Lower Upper

75 100

155 94.7 48.2 144.6

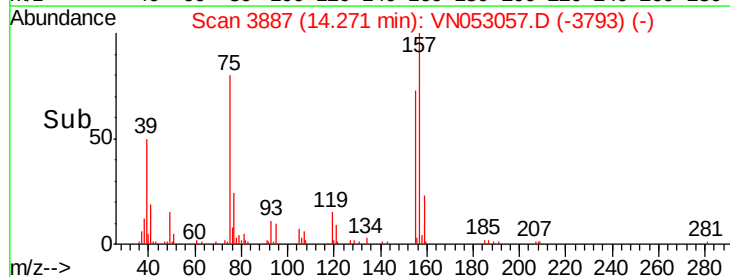
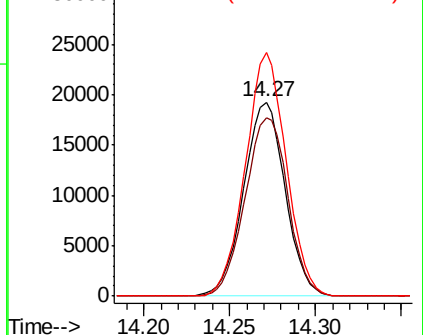
157 122.8 61.2 183.5

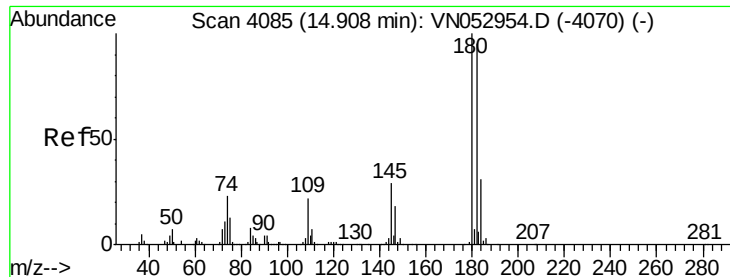


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

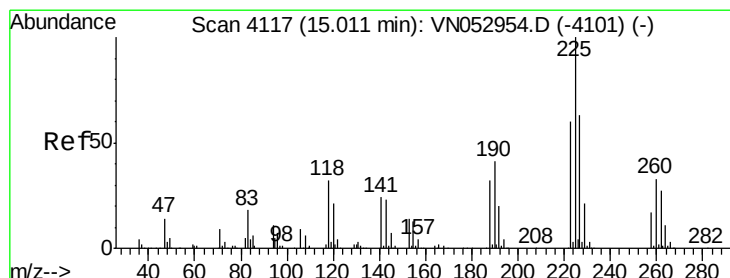
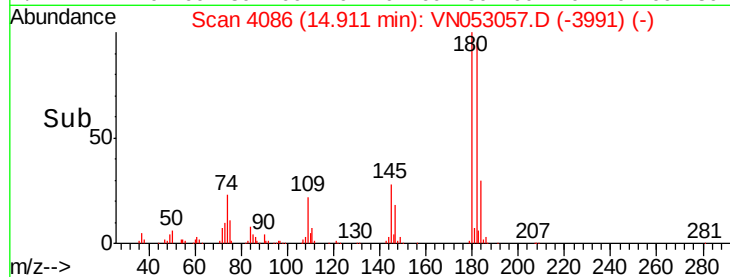
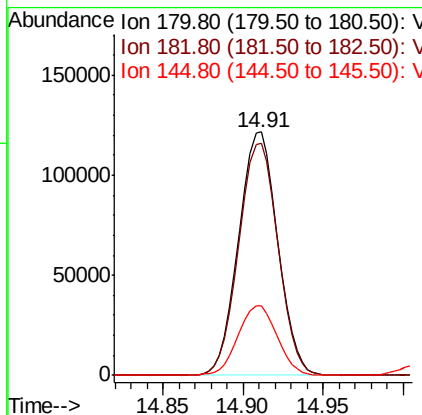
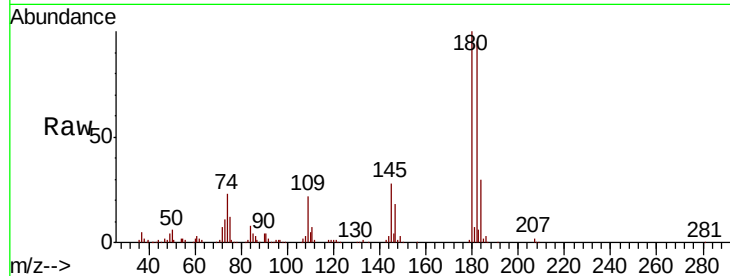




#93
 1,2,4-Trichlorobenzene
 Concen: 17.889 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

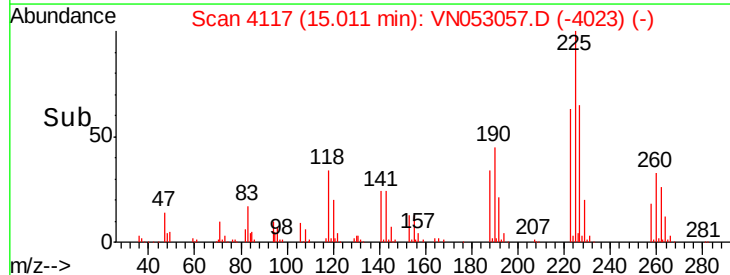
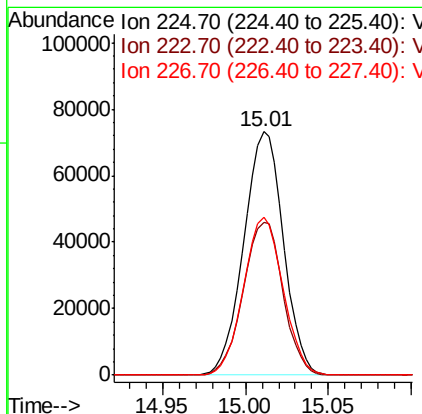
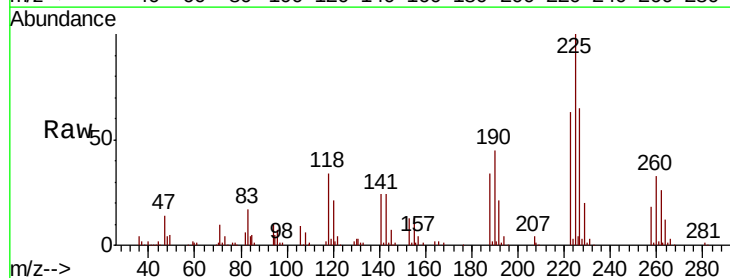
Instrument :
 MSVOA_N
 ClientSampled :

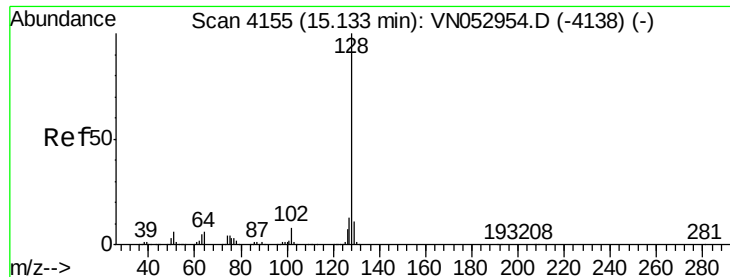
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	28.8	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.537 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.5	31.9	95.7





#95

Naphthalene

Concen: 18.067 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

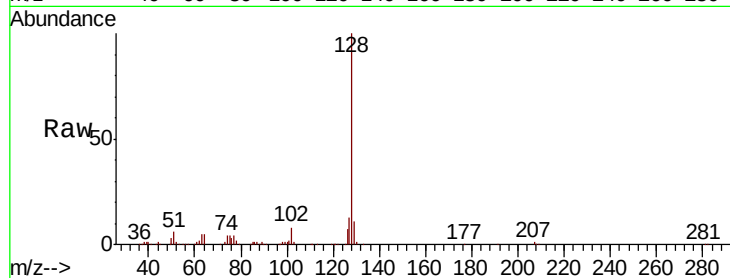
Tot Ion:128 Resp: 438151

Ion Ratio Lower Upper

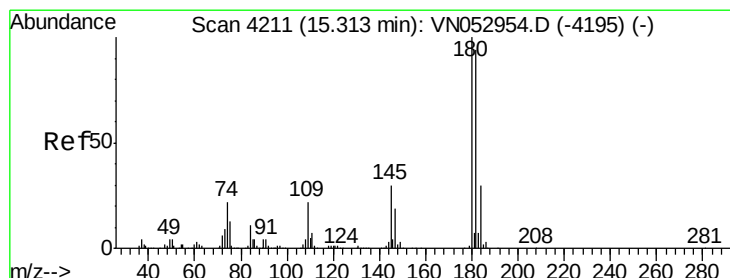
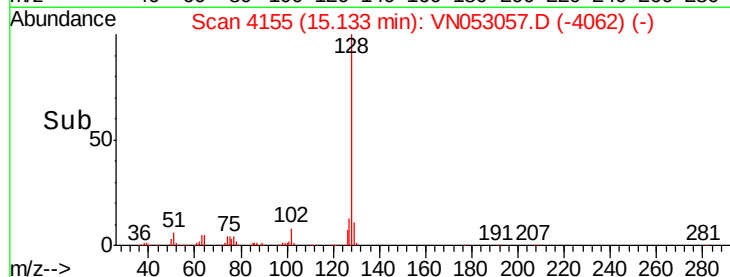
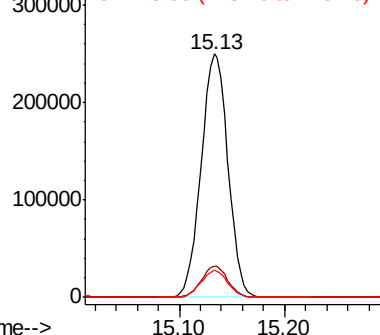
128 100

127 12.7 10.2 15.4

129 11.0 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: 17.722 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

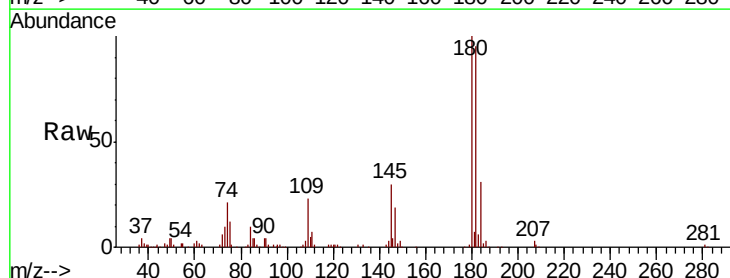
Tgt Ion:180 Resp: 180883

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 30.1 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

