

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100818\
 Data File : VN051735.D
 Acq On : 8 Oct 2018 14:59
 Operator : MD\SY
 Sample : VN1008MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Quant Time: Oct 09 03:57:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	425442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	380652	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.59	113	342477	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1266775	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	419933	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	156297	22.473	ug/l	99
3) Chloromethane	2.06	50	136901	20.950	ug/l	100
4) Vinyl Chloride	2.18	62	208442	20.249	ug/l	99
5) Bromomethane	2.56	94	169160	21.369	ug/l	98
6) Chloroethane	2.70	64	138167	19.971	ug/l	97
7) Trichlorofluoromethane	3.01	101	251489	22.729	ug/l	97
8) Diethyl Ether	3.41	74	66324	22.110	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121010	21.150	ug/l	97
10) Methyl Iodide	3.95	142	135409	19.401	ug/l	99
11) Tert butyl alcohol	4.79	59	55861	108.658	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	113074	21.204	ug/l	94
13) Acrolein	3.61	56	28787	89.629	ug/l	99
14) Allyl chloride	4.32	41	154316	18.973	ug/l	99
15) Acrylonitrile	4.99	53	184573	104.041	ug/l	99
16) Acetone	3.82	43	132767	92.946	ug/l	99
17) Carbon Disulfide	4.05	76	307945	18.998	ug/l	100
18) Methyl Acetate	4.33	43	96072	23.010	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	357869	20.331	ug/l	99
20) Methylene Chloride	4.55	84	126796	20.373	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	123372	19.524	ug/l	93
22) Diisopropyl ether	5.96	45	336642	19.309	ug/l	99
23) Vinyl Acetate	5.90	43	1249332	97.457	ug/l	99
24) 1,1-Dichloroethane	5.85	63	215613	19.229	ug/l	98
25) 2-Butanone	6.84	43	214630	98.258	ug/l	96
26) 2,2-Dichloropropane	6.83	77	192536	17.135	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	146471	19.967	ug/l	96
28) Bromochloromethane	7.20	49	89341	17.998	ug/l	96
29) Tetrahydrofuran	7.22	42	139946	104.401	ug/l	97
30) Chloroform	7.37	83	254290	20.185	ug/l	100
31) Cyclohexane	7.65	56	192115	18.709	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	235634	19.297	ug/l	100
36) 1,1-Dichloropropene	7.80	75	174572	19.149	ug/l	99
37) Ethyl Acetate	6.93	43	99584	20.944	ug/l	99
38) Carbon Tetrachloride	7.78	117	208392	19.050	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216702	18.936	ug/l	98
40) Benzene	8.04	78	532398	19.700	ug/l	99
41) Methacrylonitrile	7.22	41	142980	58.414	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	177904	19.533	ug/l	99
43) Isopropyl Acetate	8.17	43	205514	20.731	ug/l	99
44) Trichloroethene	8.84	130	157845	20.570	ug/l	99
45) 1,2-Dichloropropane	9.12	63	130514	19.533	ug/l	99
46) Dibromomethane	9.21	93	92103	19.831	ug/l	99
47) Bromodichloromethane	9.41	83	194031	18.978	ug/l	99
48) Methyl methacrylate	9.20	41	95755	21.139	ug/l	99
49) 1,4-Dioxane	9.20	88	30478	448.717	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	533155	106.137	ug/l	99
52) Toluene	10.16	92	349660	19.453	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	193204	18.314	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	204339	18.240	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	128668	20.094	ug/l	98
56) Ethyl methacrylate	10.43	69	164420	20.305	ug/l	99
57) 1,3-Dichloropropane	10.71	76	205256	20.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	329342	98.272	ug/l	99
59) 2-Hexanone	10.75	43	349848	102.551	ug/l	97
60) Dibromochloromethane	10.90	129	160621	19.168	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136856	20.218	ug/l	99
64) Tetrachloroethene	10.63	164	146765	20.481	ug/l	97
65) Chlorobenzene	11.44	112	393145	19.543	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156421	19.420	ug/l	98
67) Ethyl Benzene	11.51	91	686790	19.752	ug/l	99
68) m/p-Xylenes	11.62	106	542600	39.002	ug/l	100
69) o-Xylene	11.95	106	270975	19.861	ug/l	100
70) Styrene	11.97	104	418047	19.229	ug/l	99
71) Bromoform	12.13	173	106356	17.752	ug/l #	98
73) Isopropylbenzene	12.25	105	713378	19.671	ug/l	100
74) N-amyl acetate	12.07	43	160268	19.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	156388	19.911	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	190860	34.863	ug/l #	100
77) Bromobenzene	12.53	156	171793	19.373	ug/l	98
78) n-propylbenzene	12.59	91	770967	19.490	ug/l	99
79) 2-Chlorotoluene	12.67	91	460275	19.744	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	600907	19.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40032	17.297	ug/l	95
82) 4-Chlorotoluene	12.77	91	443301	18.929	ug/l	96
83) tert-Butylbenzene	12.99	119	564965	20.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	616965	20.153	ug/l	100
85) sec-Butylbenzene	13.17	105	715457	19.750	ug/l	100
86) p-Isopropyltoluene	13.29	119	635598	19.792	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	309284	20.016	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	299363	19.683	ug/l	99
89) n-Butylbenzene	13.62	91	483960	19.060	ug/l	99
90) Hexachloroethane	13.88	117	118136	18.438	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	306394	19.947	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26924	21.134	ug/l	96

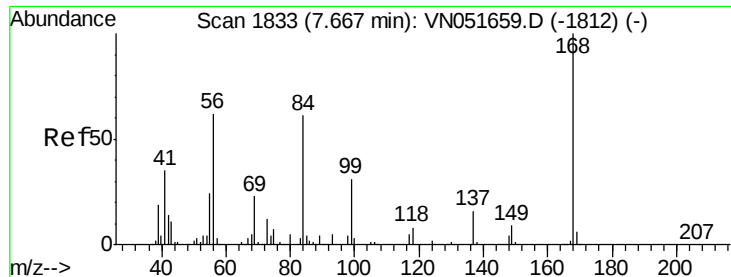
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	128807	18.845	ug/l	99
94) Hexachlorobutadiene	15.01	225	87890	18.952	ug/l	99
95) Naphthalene	15.13	128	287331	19.466	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	134652	20.003	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampled :

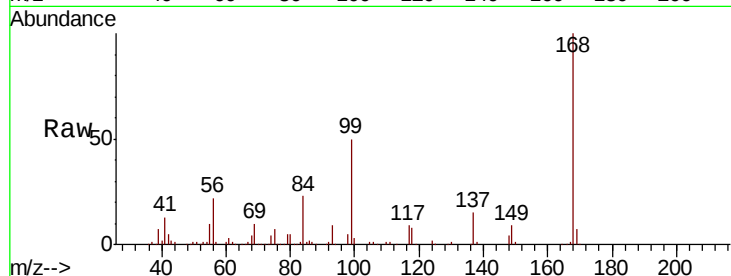
VN1008MBSD01

Tot Ion:168 Resp: 572617

Ion Ratio Lower Upper

168 100

99 49.5 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

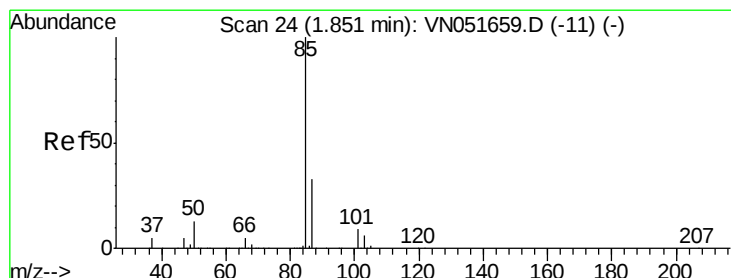
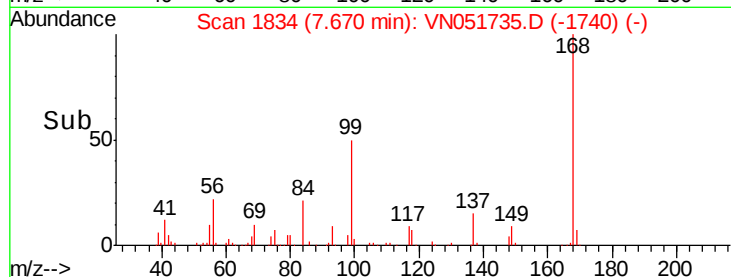
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 22.473 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051735.D

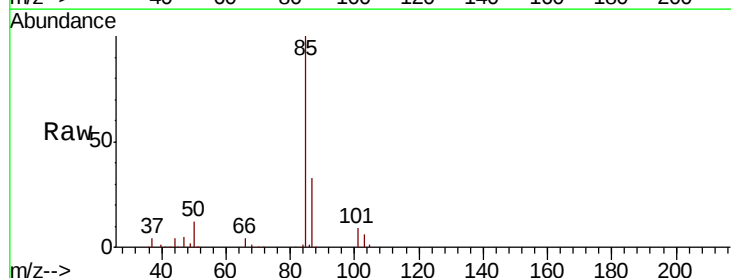
Acq: 8 Oct 2018 14:59

Tgt Ion: 85 Resp: 156297

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

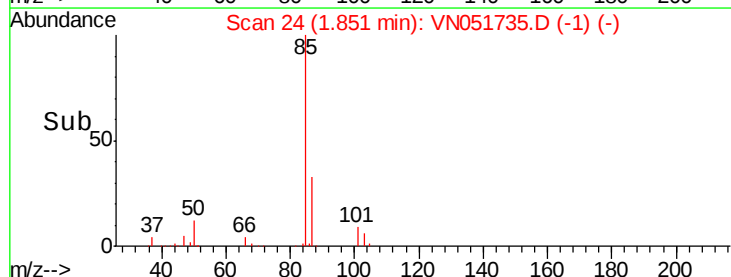
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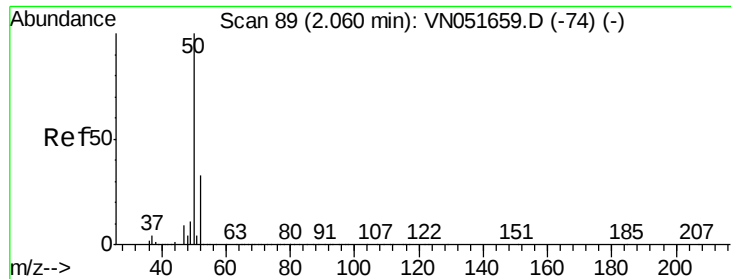
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.950 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

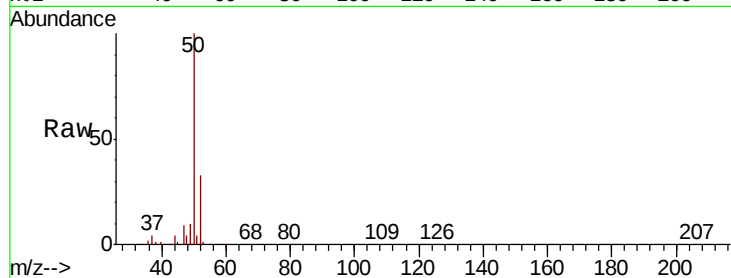
VN1008MBSD01

Tot Ion: 50 Resp: 136901

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN051659.D (-74) (-)

Ion 51.90 (51.60 to 52.60): VN051659.D (-74) (-)

2.06

120000

100000

80000

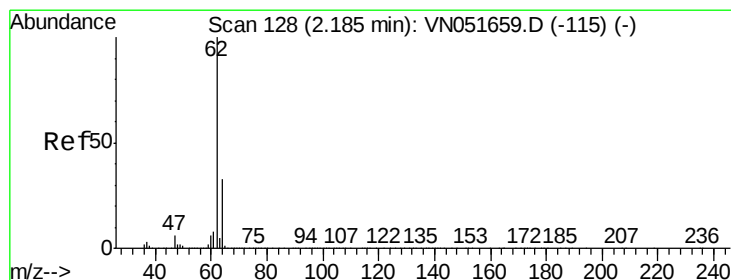
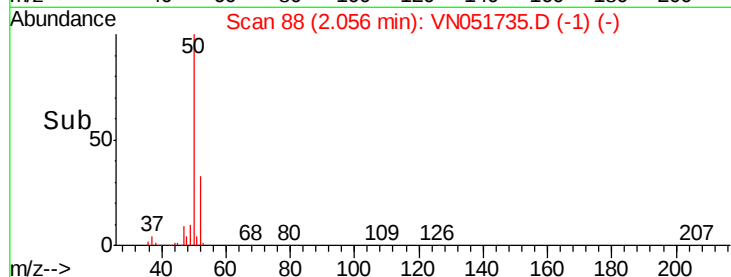
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.249 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051735.D

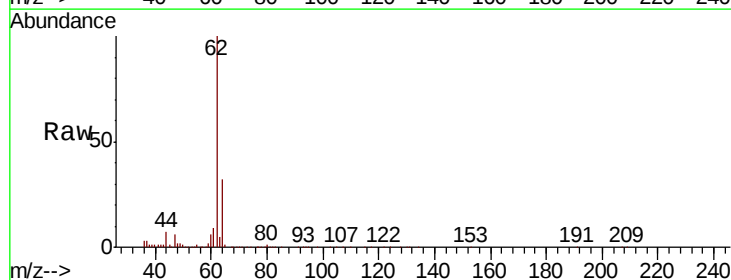
Acq: 8 Oct 2018 14:59

Tgt Ion: 62 Resp: 208442

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN051659.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN051659.D (-115) (-)

2.18

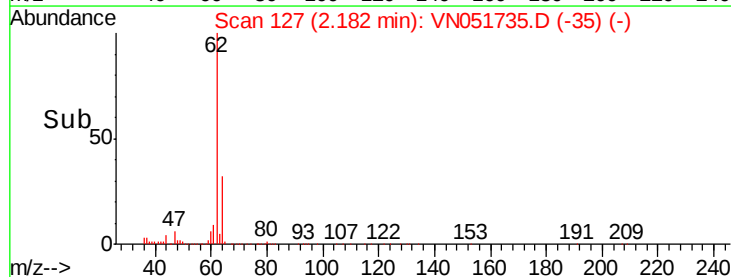
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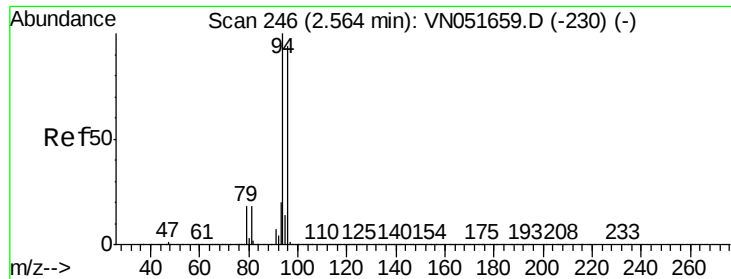
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.369 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

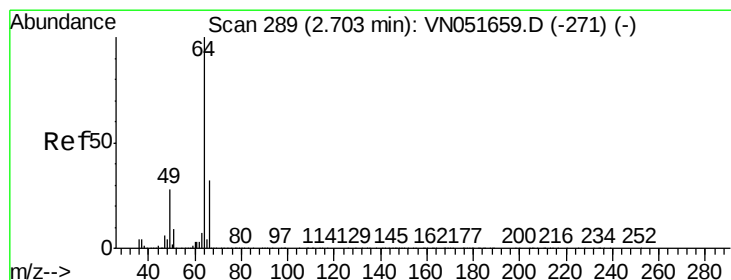
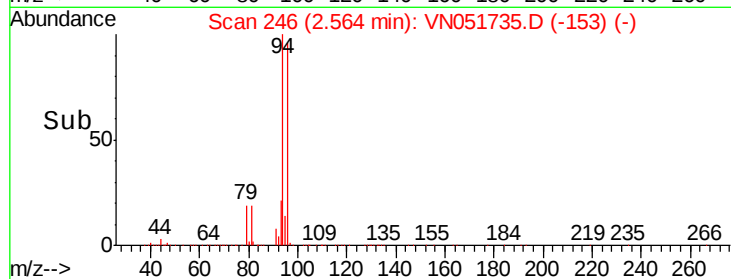
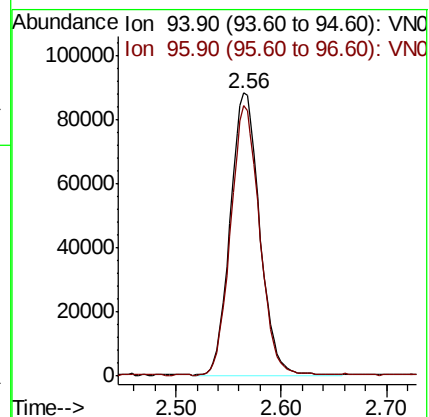
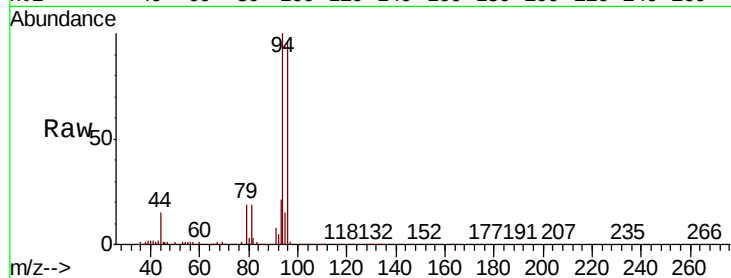
VN1008MBSD01

Tot Ion: 94 Resp: 169160

Ion Ratio Lower Upper

94 100

96 95.7 75.2 112.8



#6

Chloroethane

Concen: 19.971 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051735.D

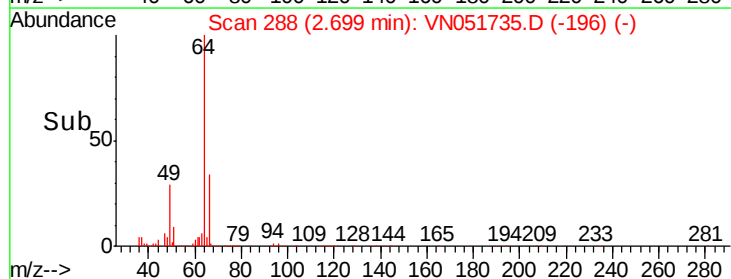
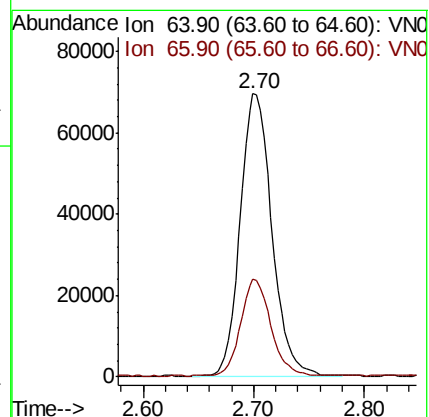
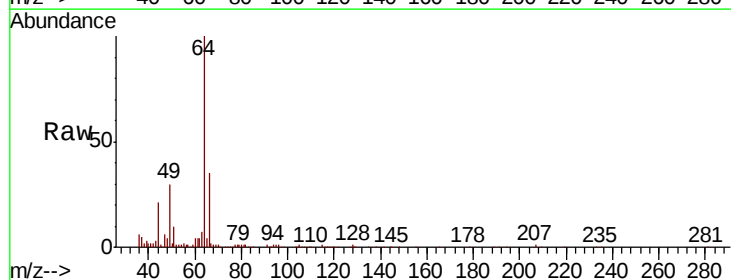
Acq: 8 Oct 2018 14:59

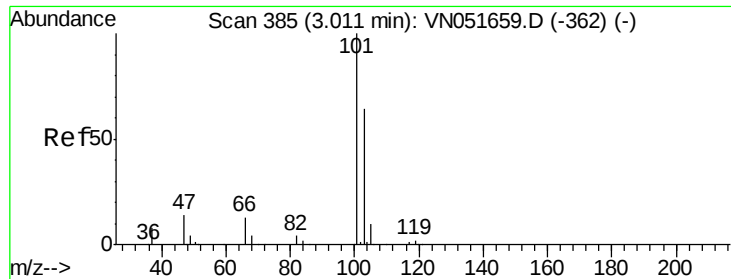
Tgt Ion: 64 Resp: 138167

Ion Ratio Lower Upper

64 100

66 34.2 26.0 39.0



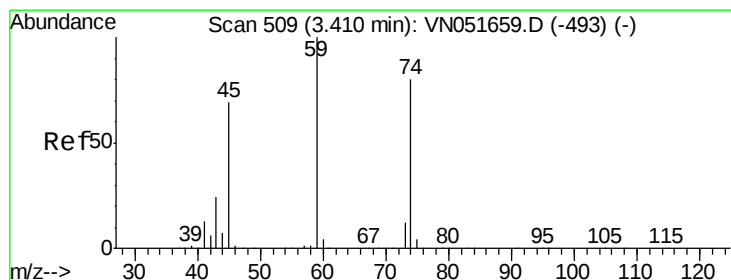
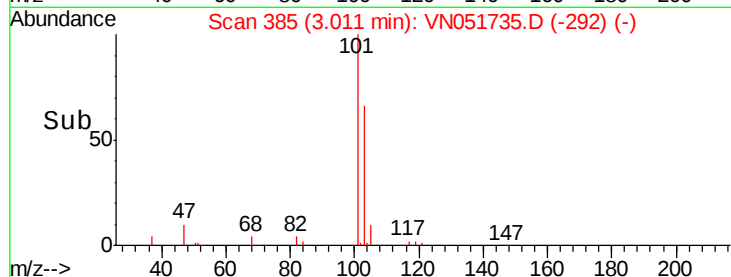
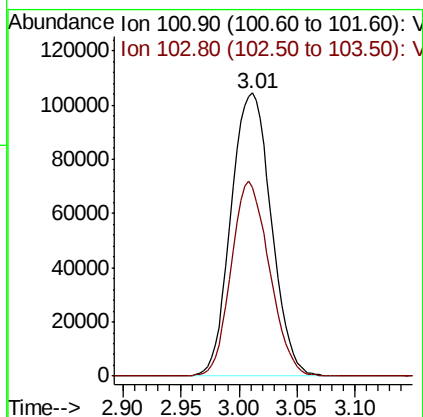
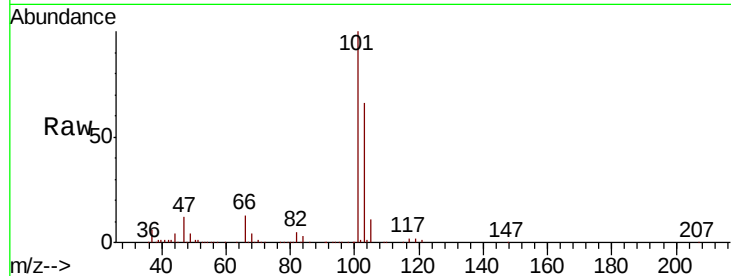


#7

Trichlorofluoromethane
 Concen: 22.729 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

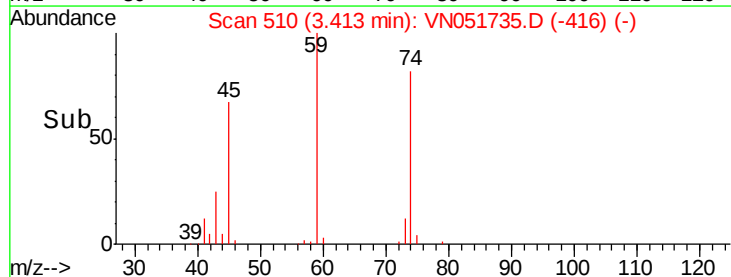
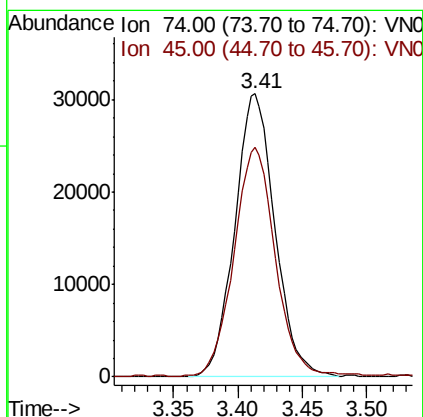
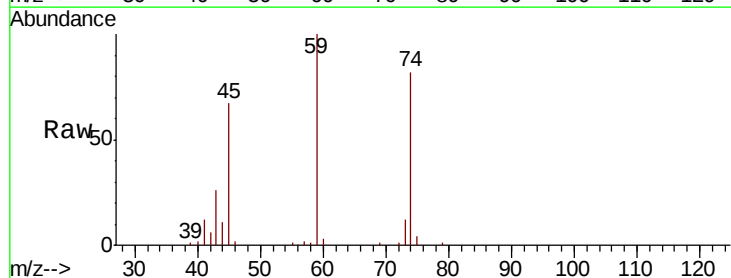
Tot Ion:101 Resp: 251489
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.1 76.7

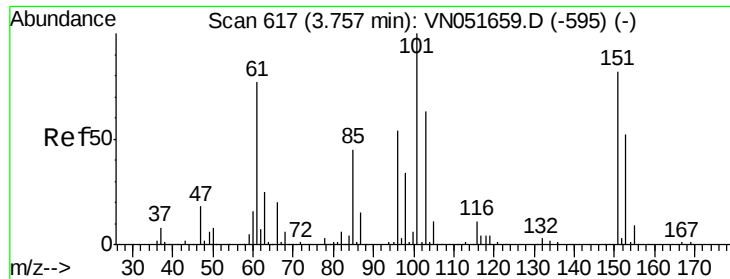


#8

Diethyl Ether
 Concen: 22.110 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 74 Resp: 66324
 Ion Ratio Lower Upper
 74 100
 45 84.4 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.150 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

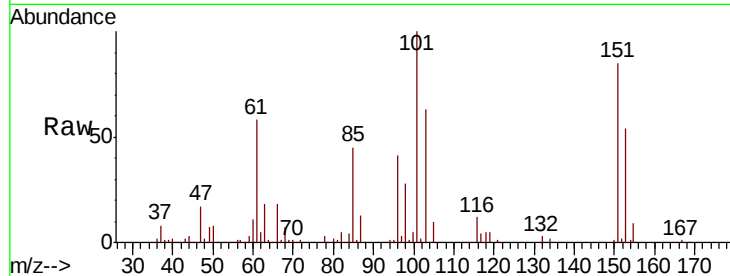
Tot Ion:101 Resp: 121010

Ion Ratio Lower Upper

101 100

85 46.2 35.6 53.4

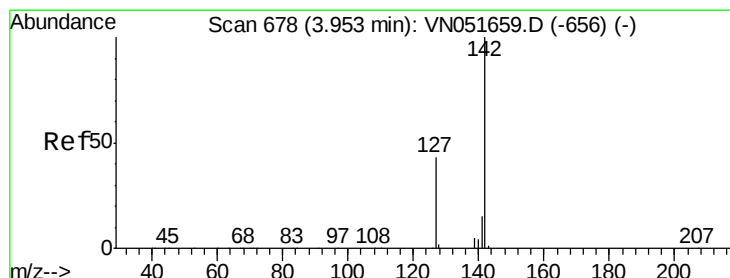
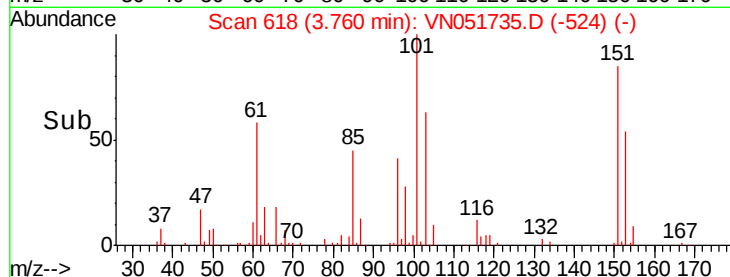
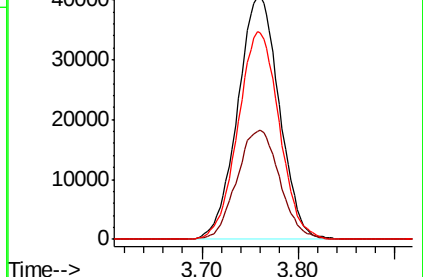
151 84.9 65.5 98.3



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: 19.401 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

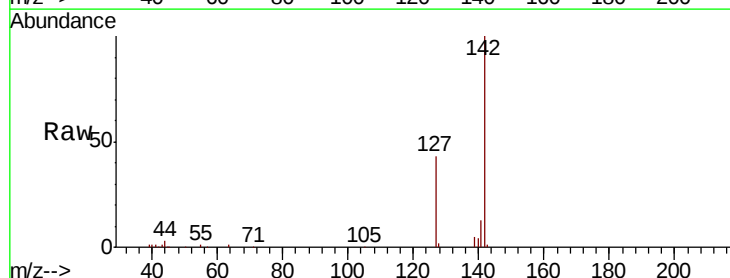
Tgt Ion:142 Resp: 135409

Ion Ratio Lower Upper

142 100

127 42.5 34.7 52.1

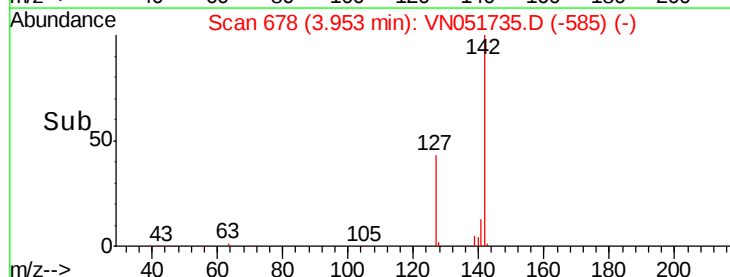
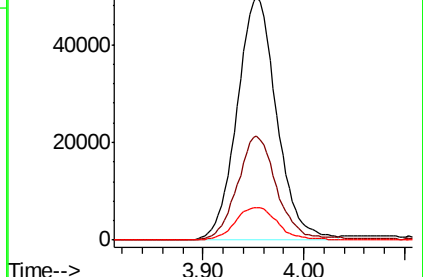
141 14.5 11.4 17.2

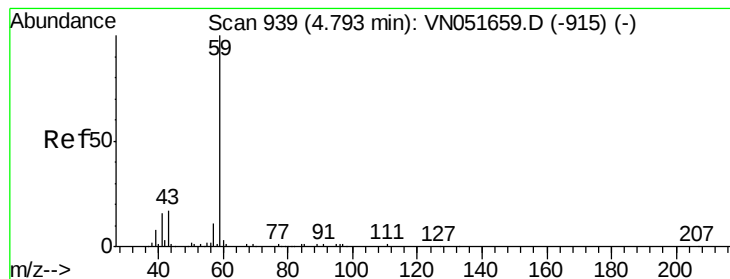


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



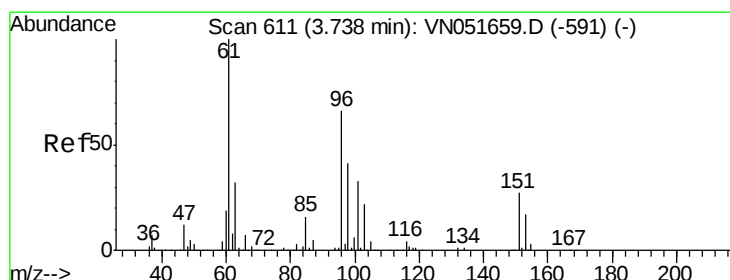
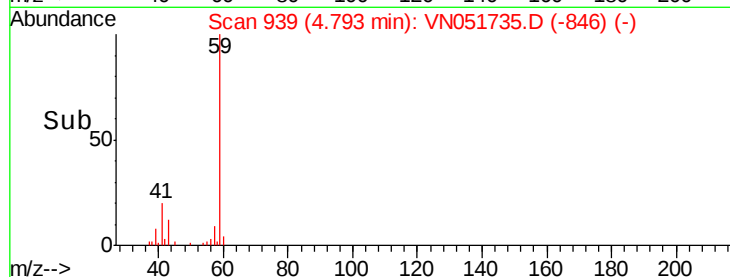
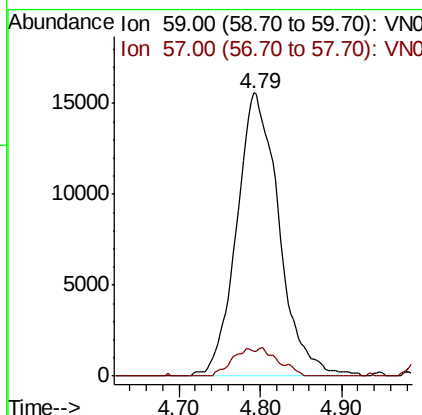
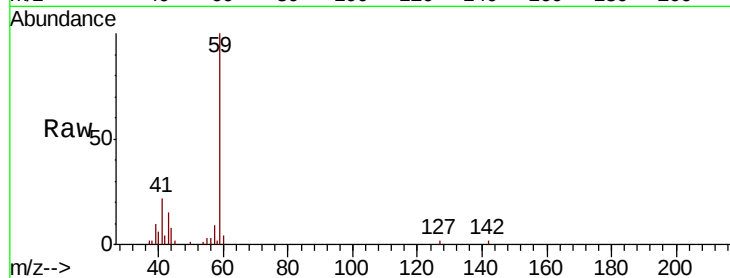


#11

Tert butyl alcohol
 Concen: 108.658 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

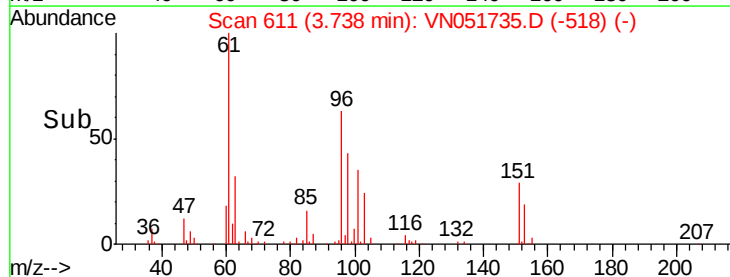
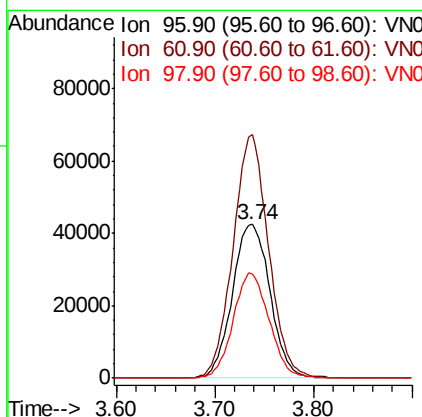
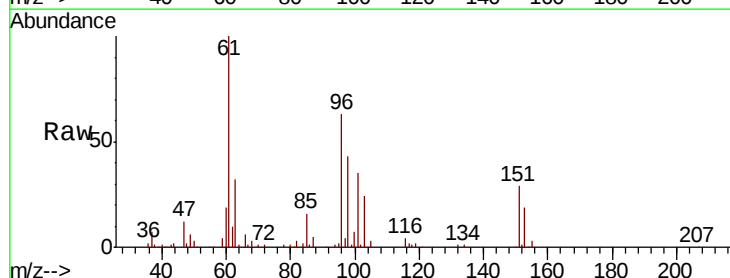
Tot Ion: 59 Resp: 55861
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.1 12.1#



#12

1,1-Dichloroethene
 Concen: 21.204 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 96 Resp: 113074
 Ion Ratio Lower Upper
 96 100
 61 158.3 121.4 182.0
 98 67.4 49.9 74.9





#13

Acrolein

Concen: 89.629 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

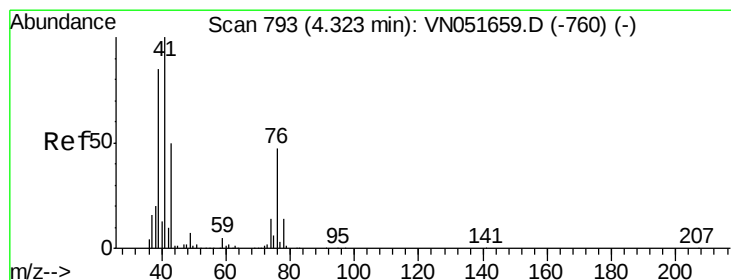
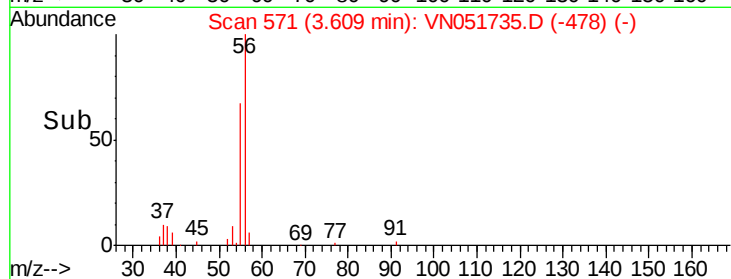
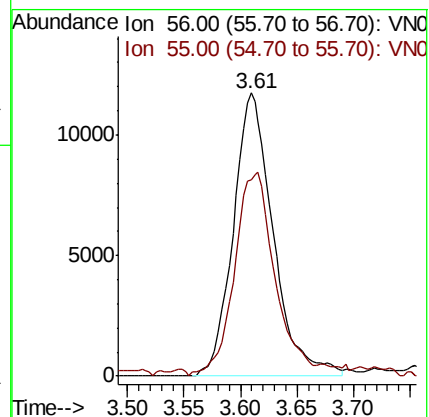
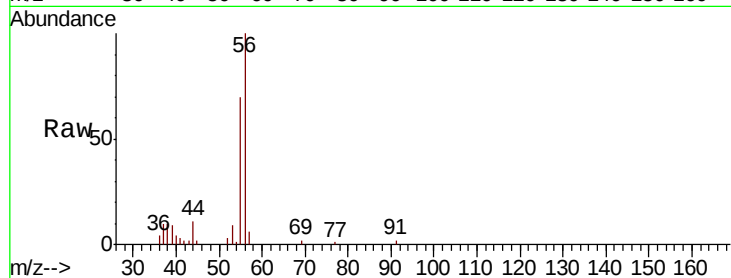
VN1008MBSD01

Tot Ion: 56 Resp: 28787

Ion Ratio Lower Upper

56 100

55 73.1 57.5 86.3



#14

Allyl chloride

Concen: 18.973 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

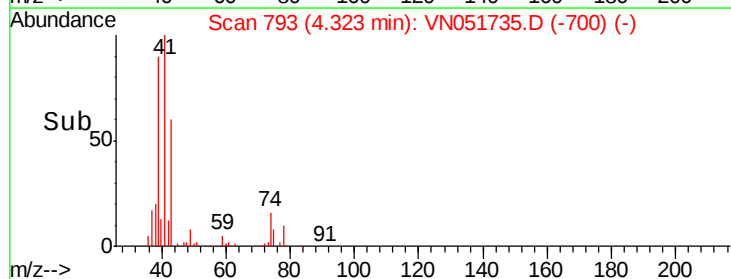
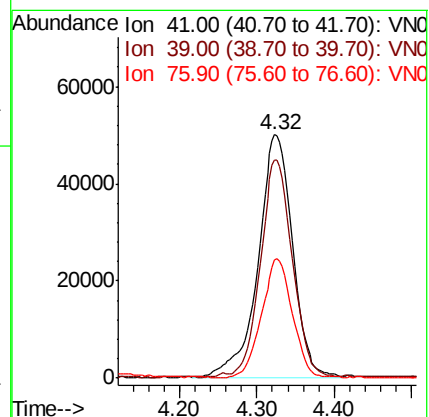
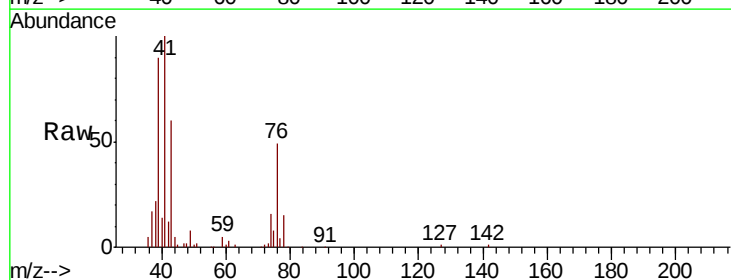
Tgt Ion: 41 Resp: 154316

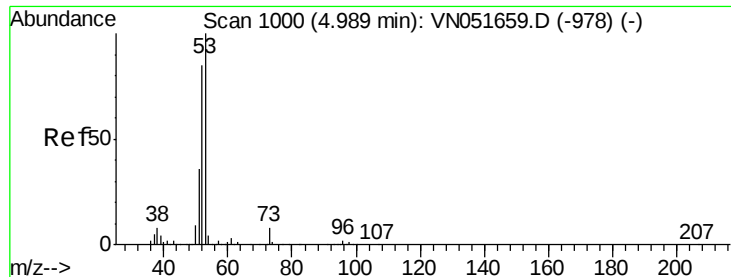
Ion Ratio Lower Upper

41 100

39 81.9 65.4 98.0

76 44.2 34.3 51.5





#15

Acrylonitrile

Concen: 104.041 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

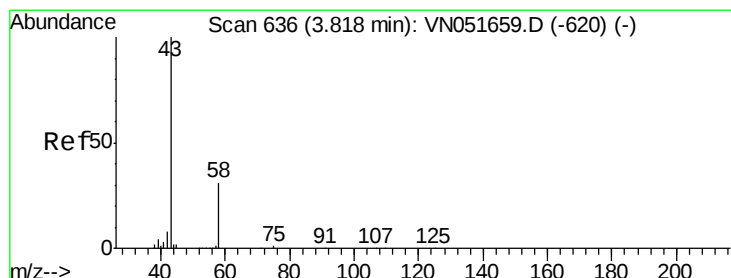
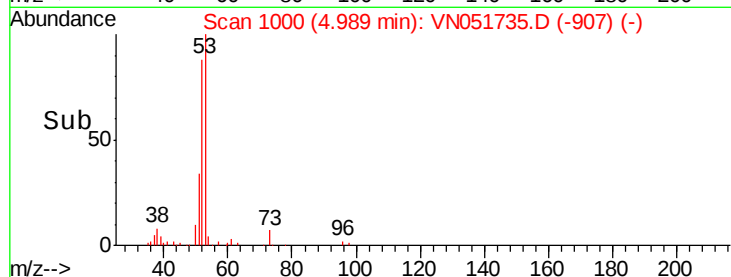
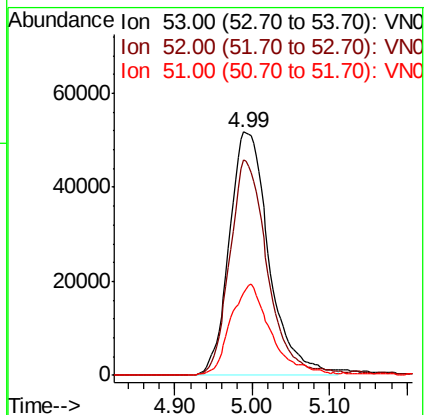
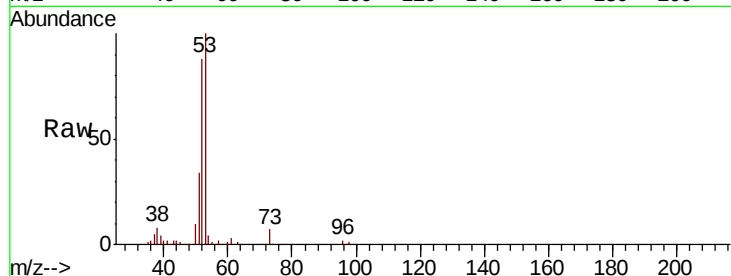
Tot Ion: 53 Resp: 184573

Ion Ratio Lower Upper

53 100

52 84.0 66.2 99.2

51 37.9 30.3 45.5



#16

Acetone

Concen: 92.946 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051735.D

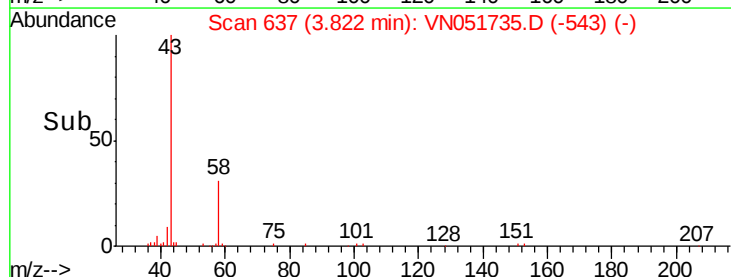
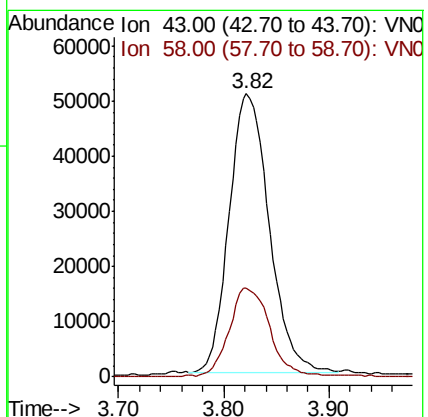
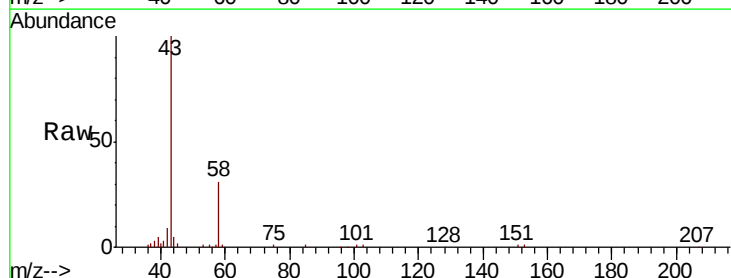
Acq: 8 Oct 2018 14:59

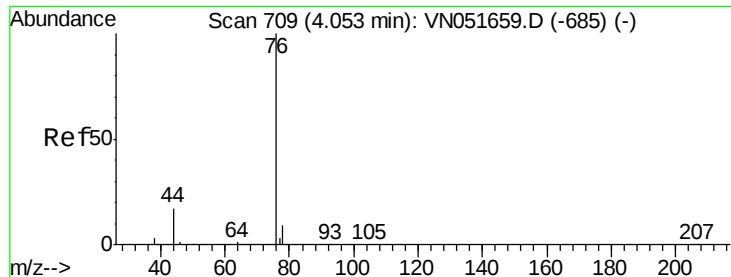
Tgt Ion: 43 Resp: 132767

Ion Ratio Lower Upper

43 100

58 31.1 24.3 36.5

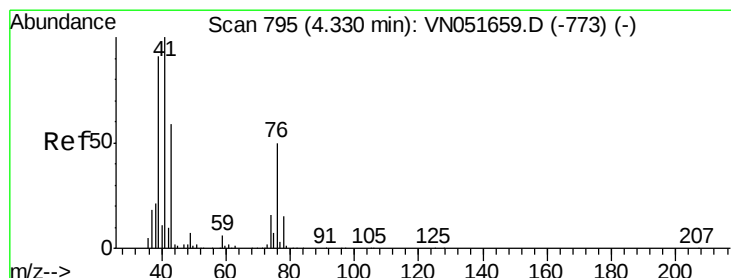
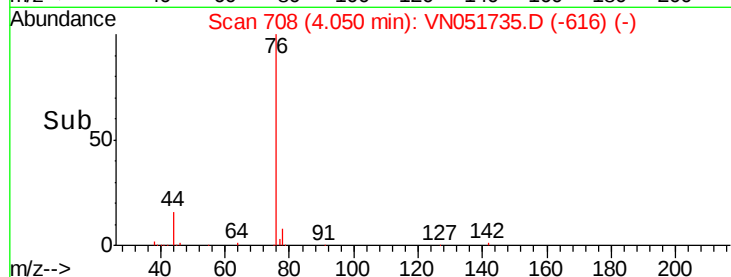
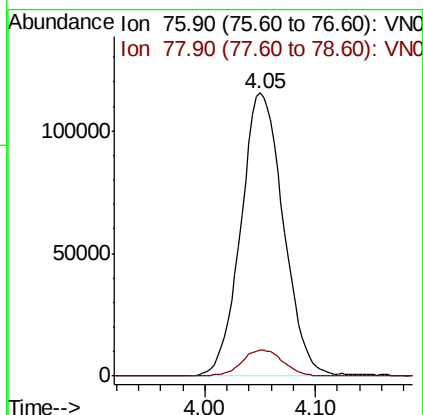
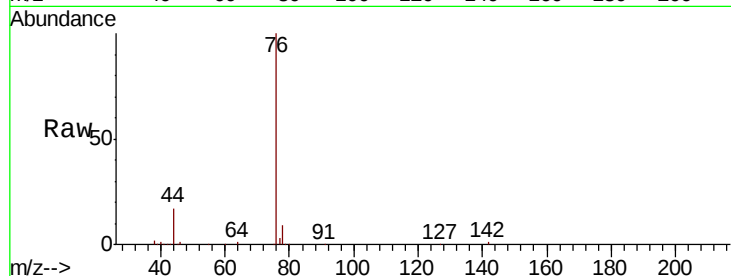




#17
Carbon Disulfide
Concen: 18.998 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

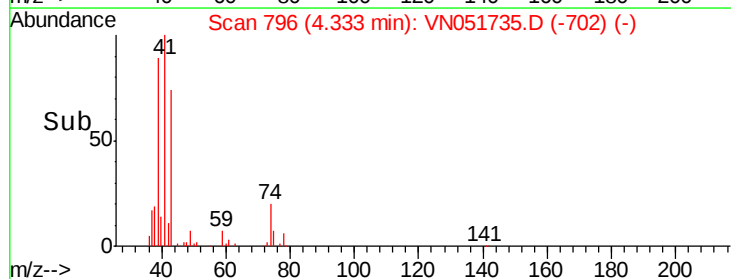
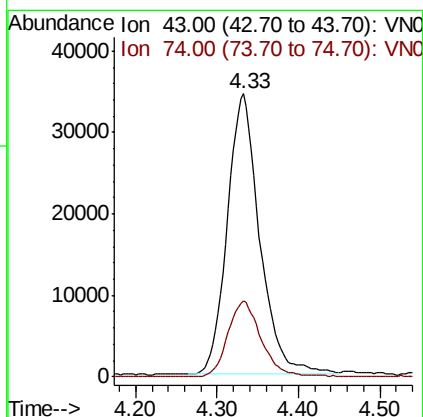
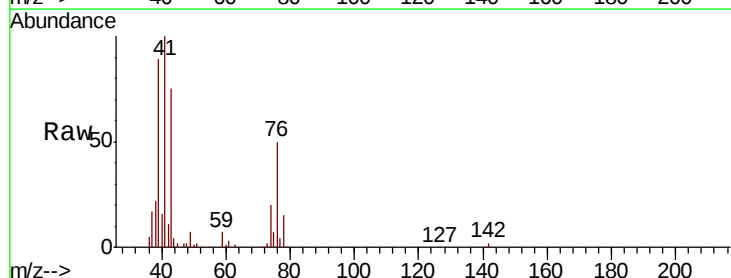
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

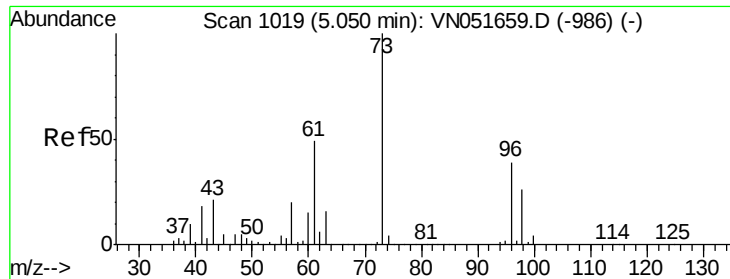
Tot Ion: 76 Resp: 307945
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 23.010 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 43 Resp: 96072
Ion Ratio Lower Upper
43 100
74 27.4 21.5 32.3

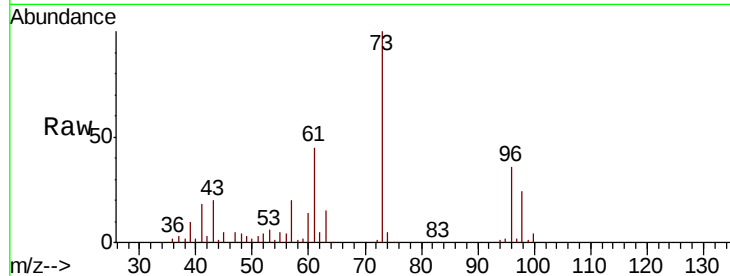




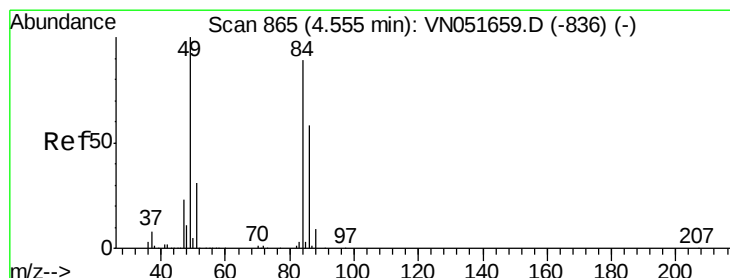
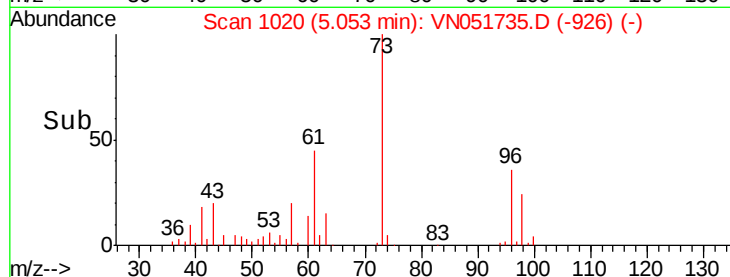
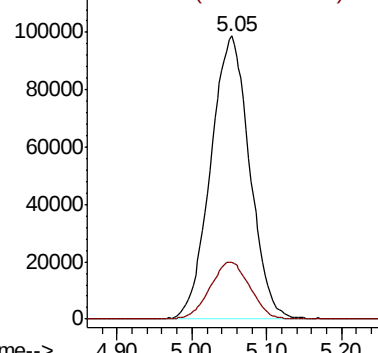
#19
Methvl tert-butvl Ether
Concen: 20.331 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 73 Resp: 357869
Ion Ratio Lower Upper
73 100
57 20.2 15.6 23.4

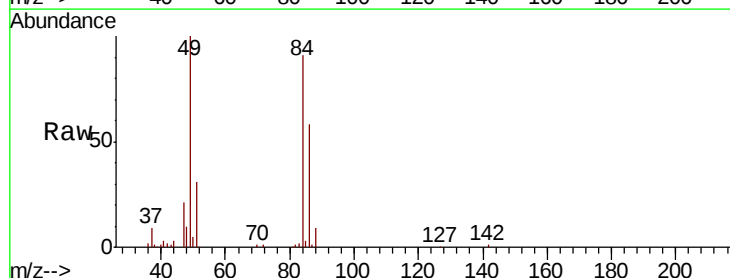


Abundance Ion 73.00 (72.70 to 73.70): VNO
Ion 57.00 (56.70 to 57.70): VNO

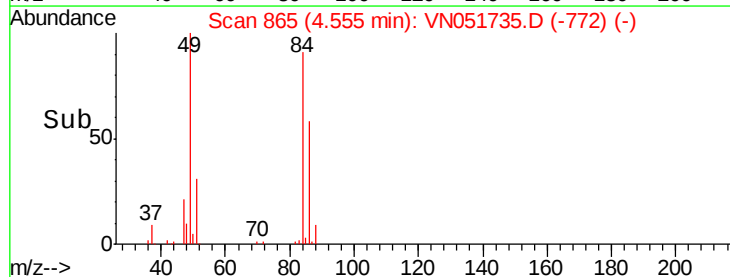
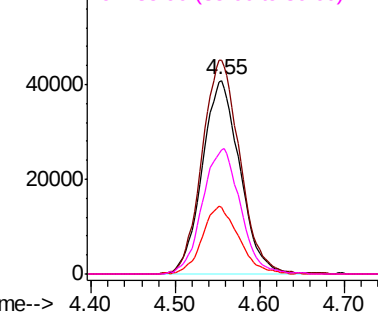


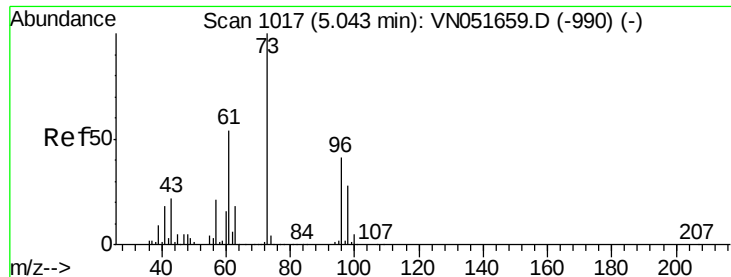
#20
Methylene Chloride
Concen: 20.373 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 84 Resp: 126796
Ion Ratio Lower Upper
84 100
49 110.0 89.5 134.3
51 34.1 27.4 41.0
86 64.4 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

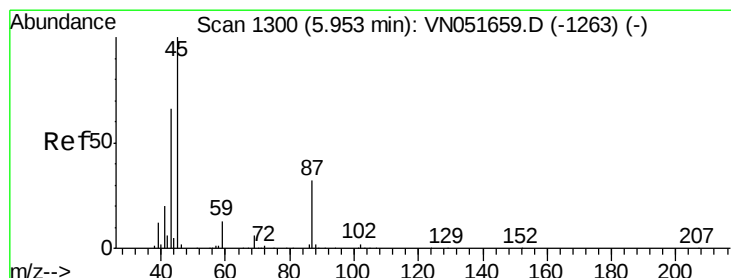
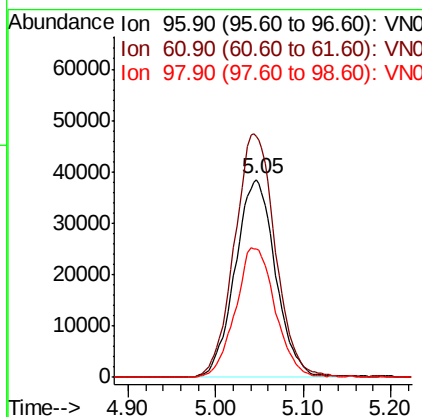
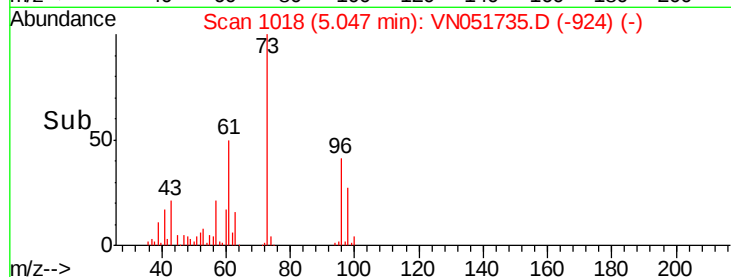
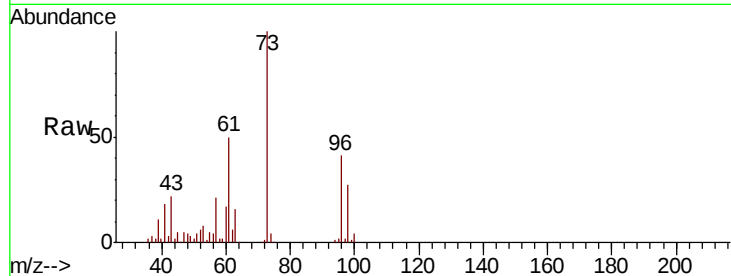




#21
trans-1,2-Dichloroethene
Concen: 19.524 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

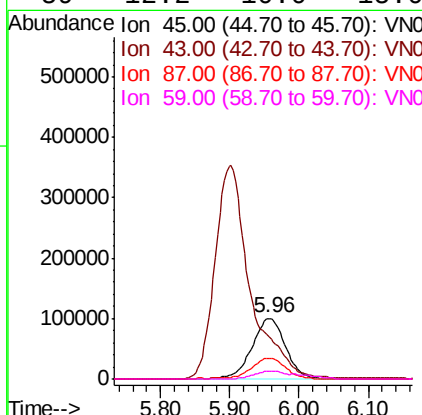
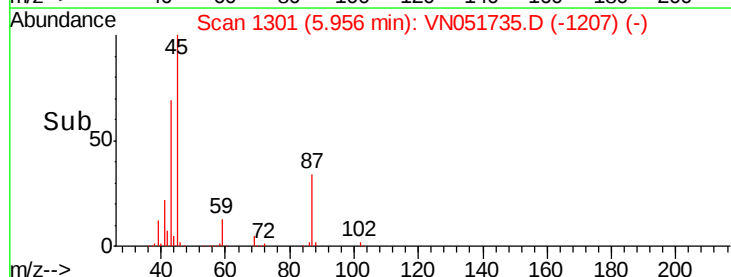
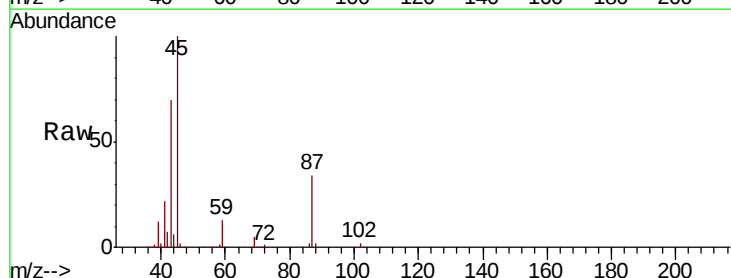
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

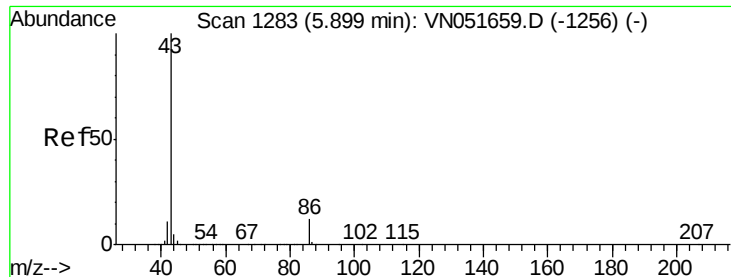
Tot Ion: 96 Resp: 123372
Ion Ratio Lower Upper
96 100
61 121.9 104.7 157.1
98 64.6 54.6 82.0



#22
Diisopropyl ether
Concen: 19.309 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 45 Resp: 336642
Ion Ratio Lower Upper
45 100
43 67.5 53.0 79.4
87 33.4 26.4 39.6
59 12.2 10.0 15.0





#23

Vinyl Acetate

Concen: 97.457 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

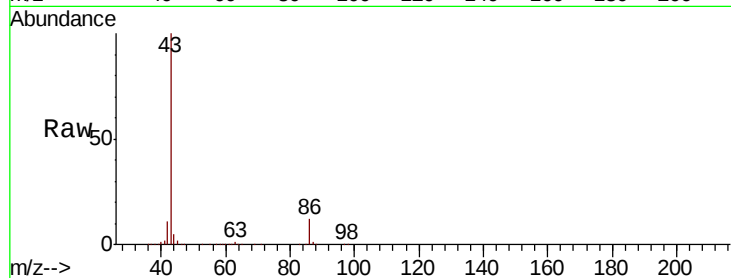
VN1008MBSD01

Tot Ion: 43 Resp: 1249332

Ion Ratio Lower Upper

43 100

86 12.1 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN051735.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN051735.D (-1190) (-)

5.90

400000

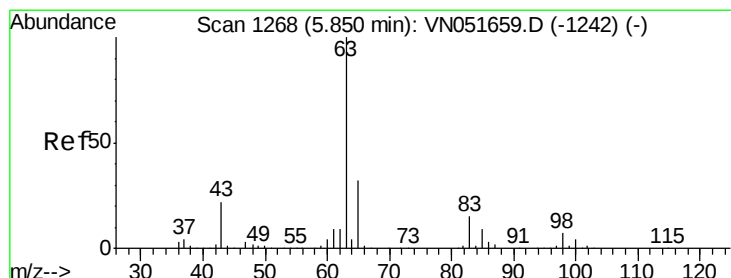
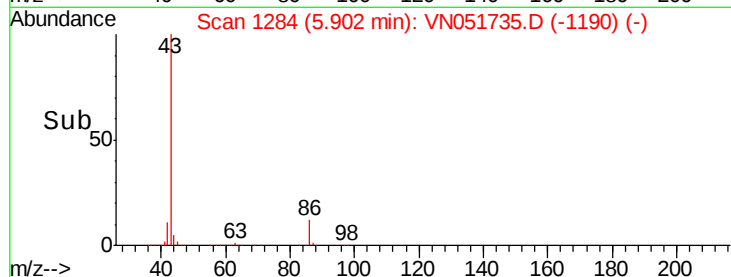
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.229 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

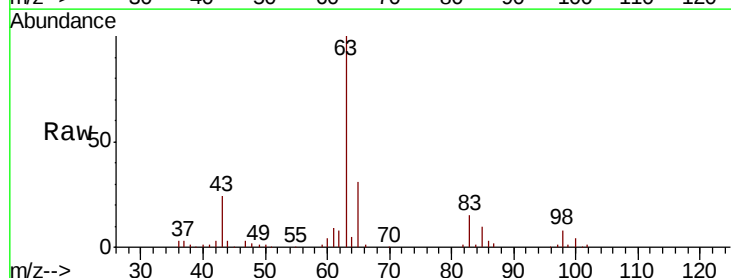
Tgt Ion: 63 Resp: 215613

Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051735.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN051735.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN051735.D (-1175) (-)

5.85

80000

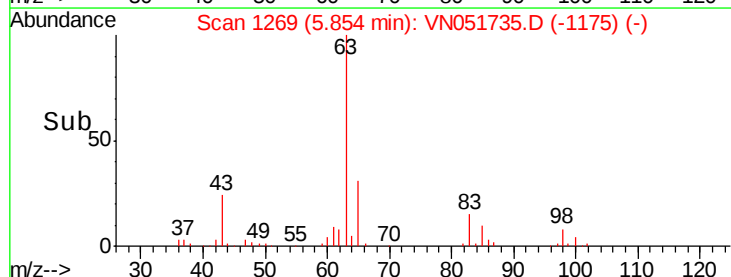
60000

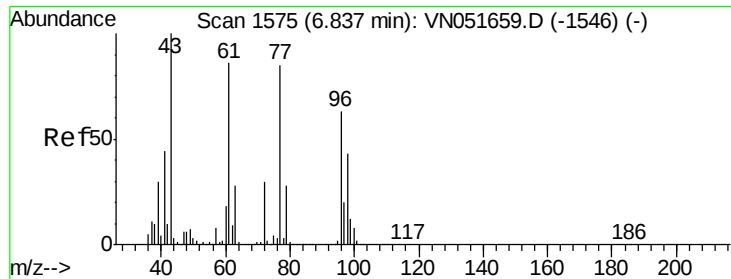
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

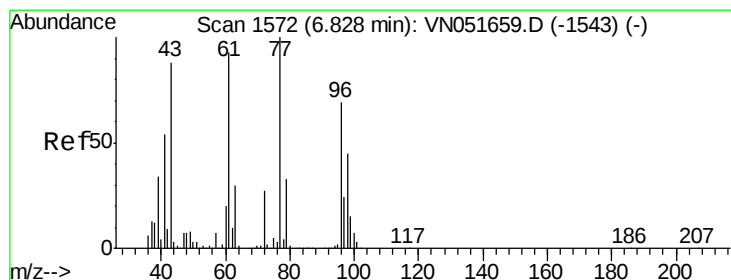
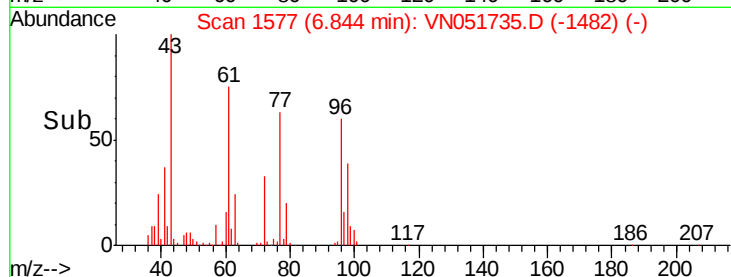
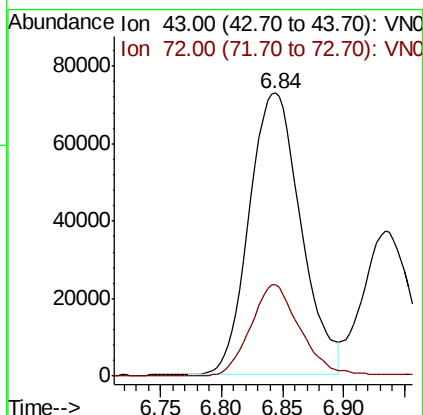
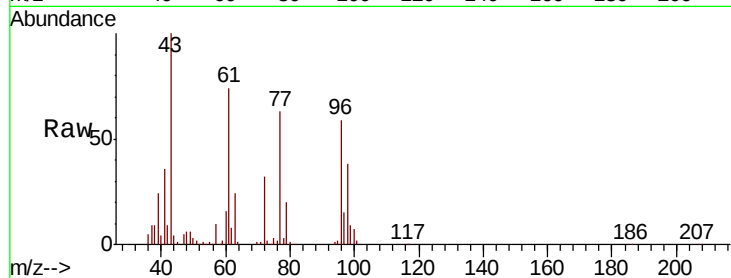




#25
 2-Butanone
 Concen: 98.258 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

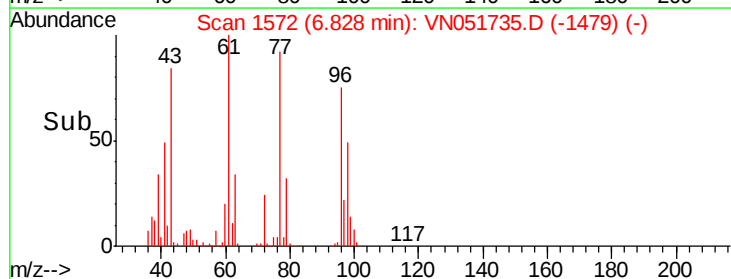
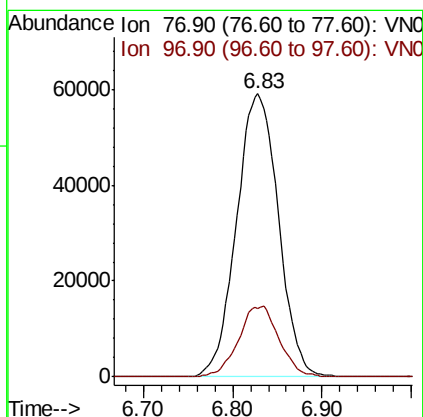
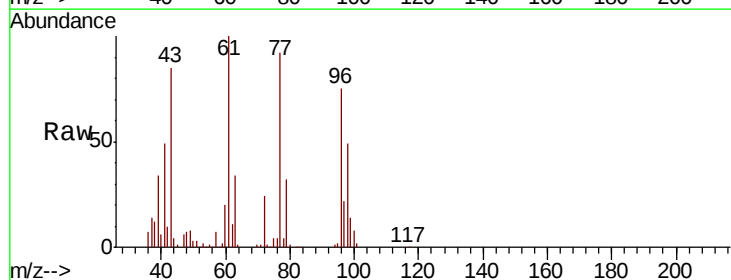
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

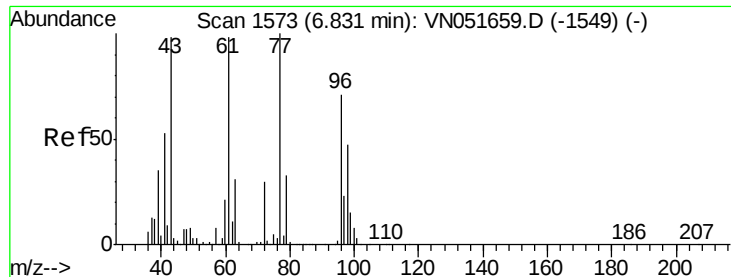
Tot Ion: 43 Resp: 214630
 Ion Ratio Lower Upper
 43 100
 72 32.5 24.2 36.2



#26
 2,2-Dichloropropane
 Concen: 17.135 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 77 Resp: 192536
 Ion Ratio Lower Upper
 77 100
 97 24.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.967 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

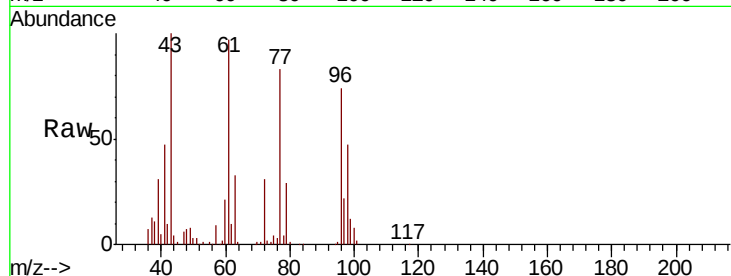
Tot Ion: 96 Resp: 146471

Ion Ratio Lower Upper

96 100

61 130.6 0.0 275.4

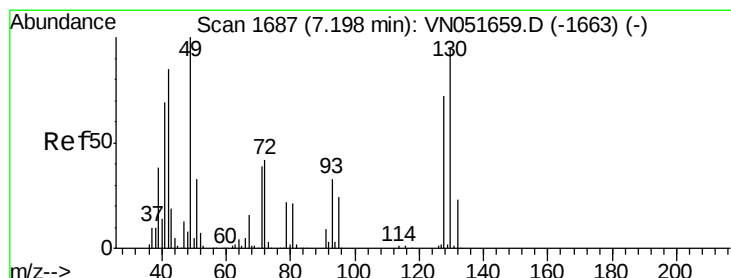
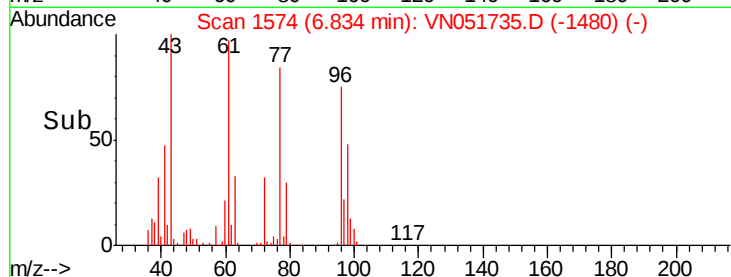
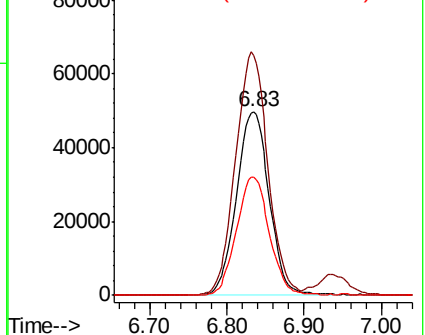
98 64.5 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN051735.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051735.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051735.D (-1549) (-)



#28

Bromochloromethane

Concen: 17.998 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

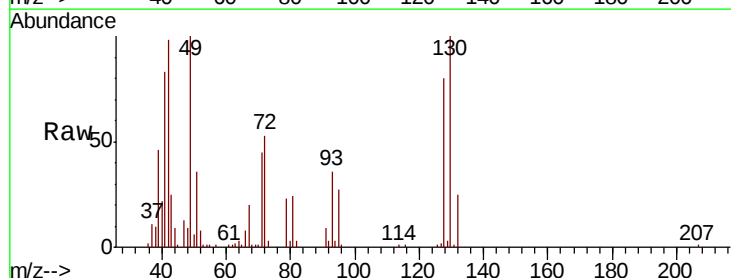
Tgt Ion: 49 Resp: 89341

Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.8

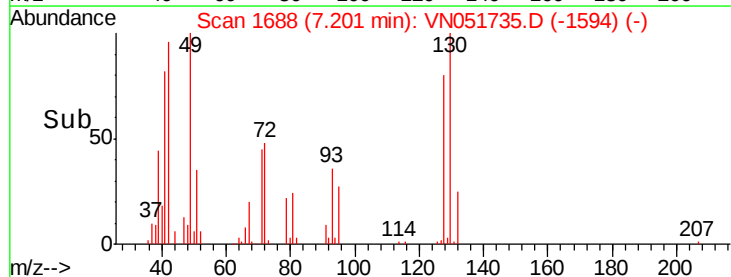
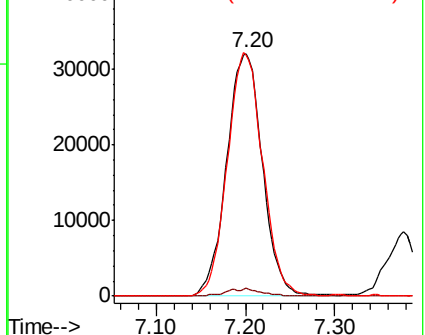
130 98.9 75.7 113.5

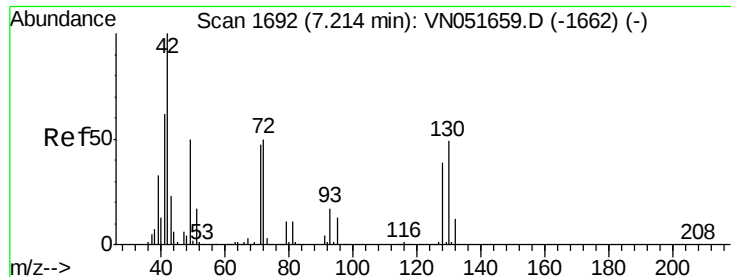


Abundance Ion 48.90 (48.60 to 49.60): VN051735.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051735.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051735.D (-1594) (-)

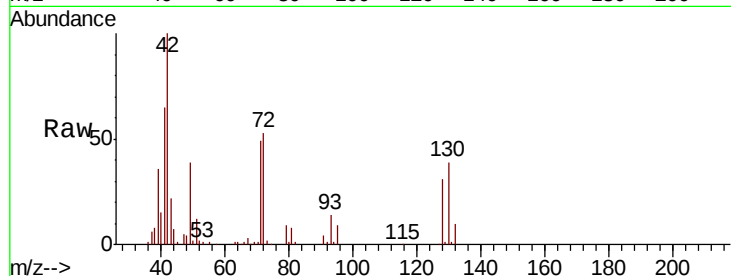




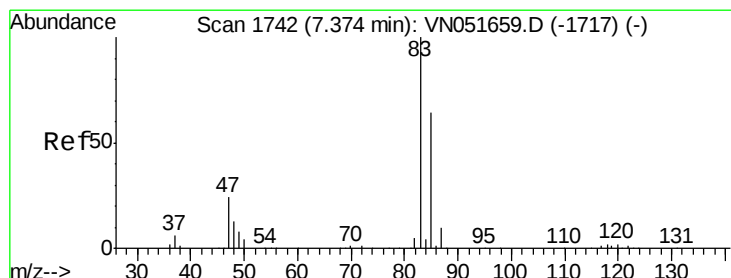
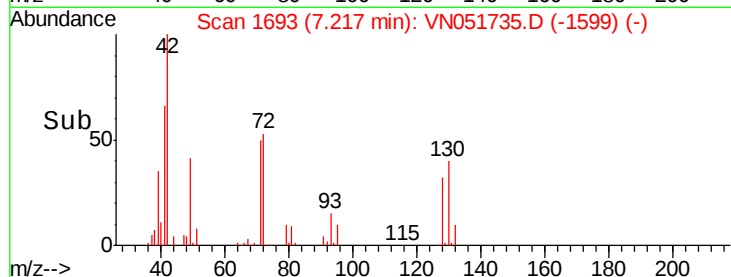
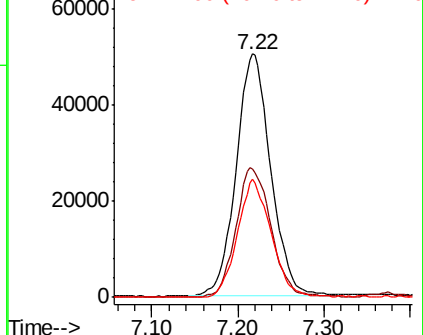
#29
Tetrahydrofuran
Concen: 104.401 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 42 Resp: 139946
Ion Ratio Lower Upper
42 100
72 54.6 40.1 60.1
71 47.5 38.0 57.0

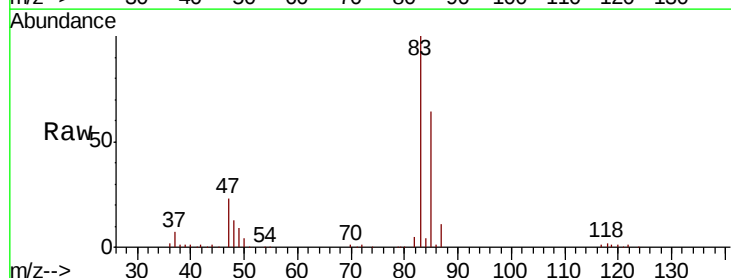


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

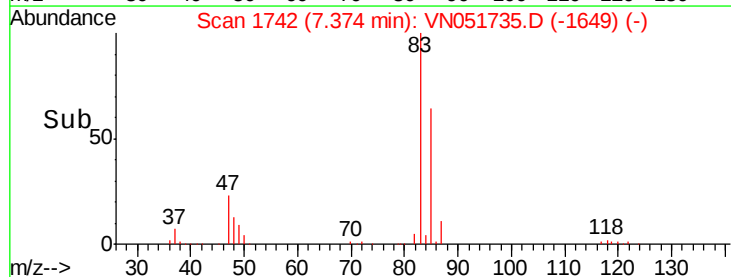
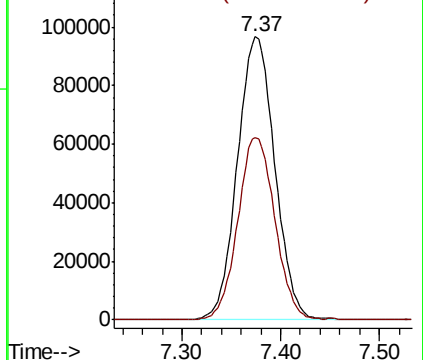


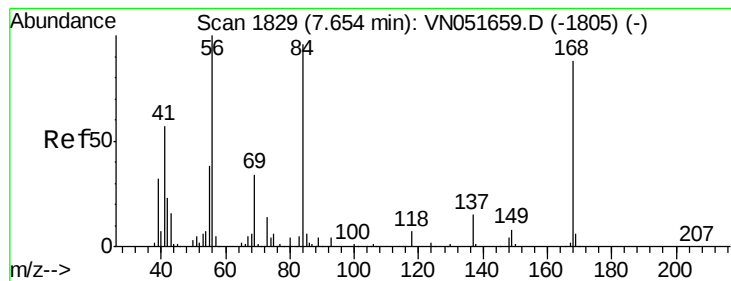
#30
Chloroform
Concen: 20.185 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 83 Resp: 254290
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4



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





#31

Cyclohexane

Concen: 18.709 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

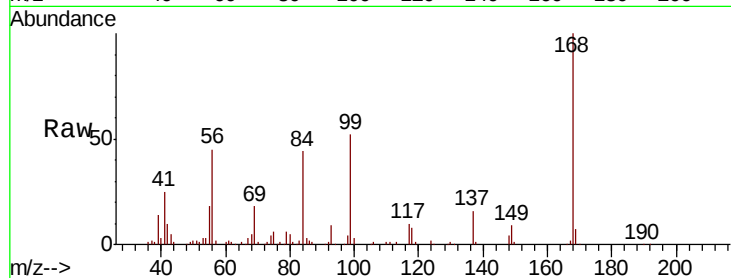
Tot Ion: 56 Resp: 192115

Ion Ratio Lower Upper

56 100

69 39.7 27.5 41.3

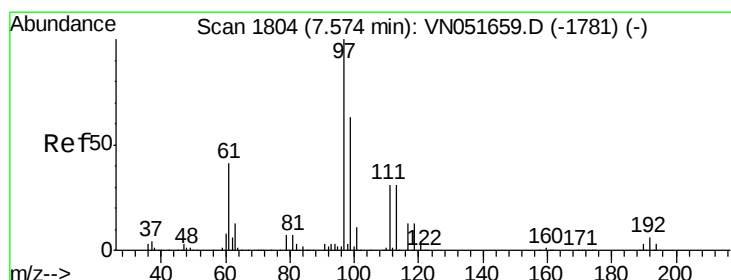
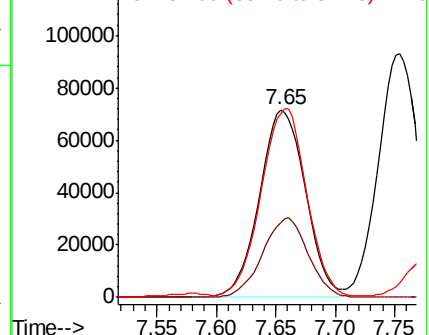
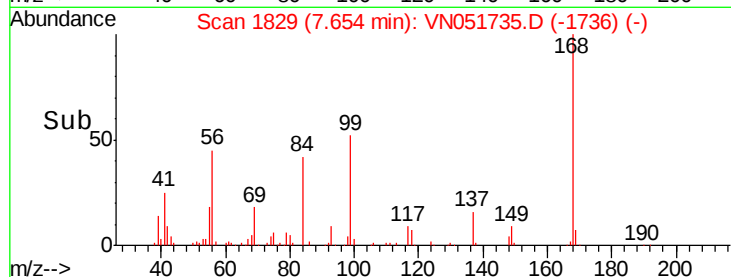
84 95.9 76.7 115.1



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: 19.297 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

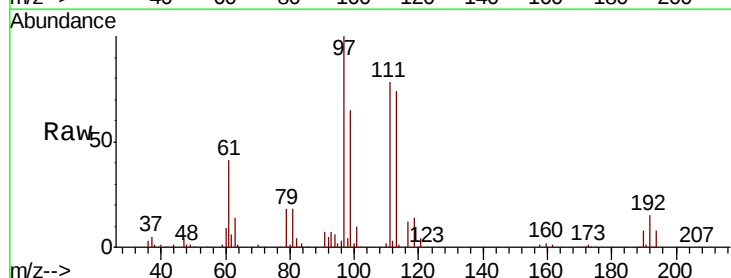
Tgt Ion: 97 Resp: 235634

Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

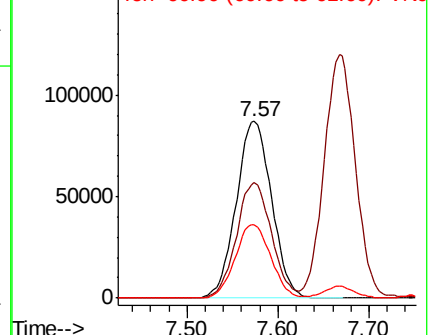
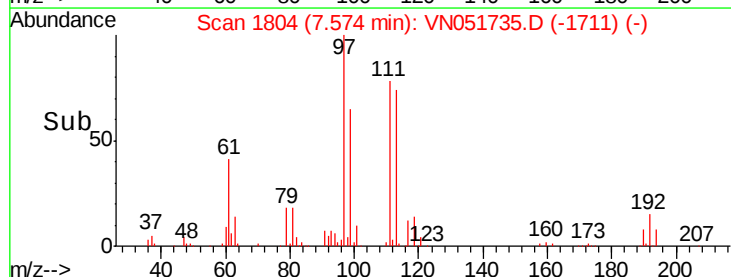
61 41.9 33.4 50.0

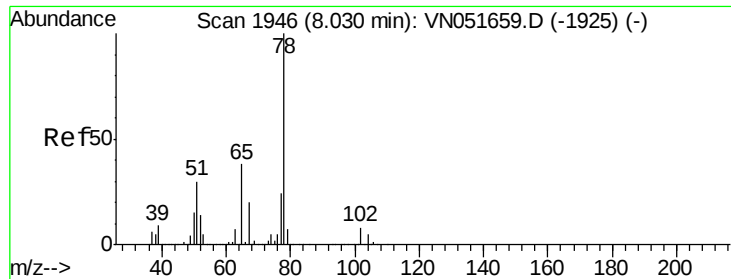


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

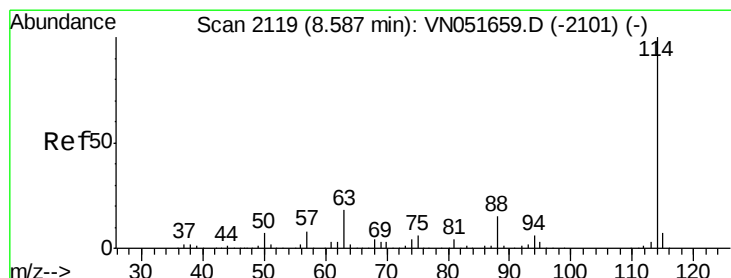
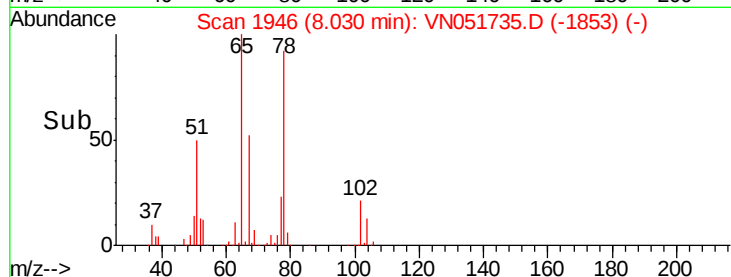
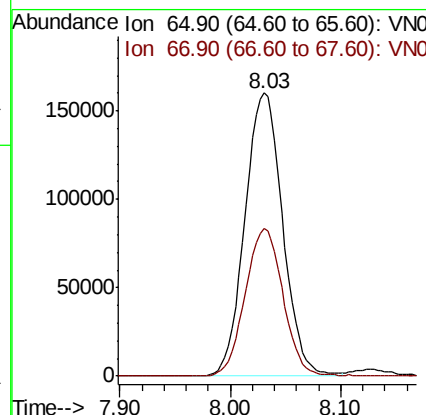
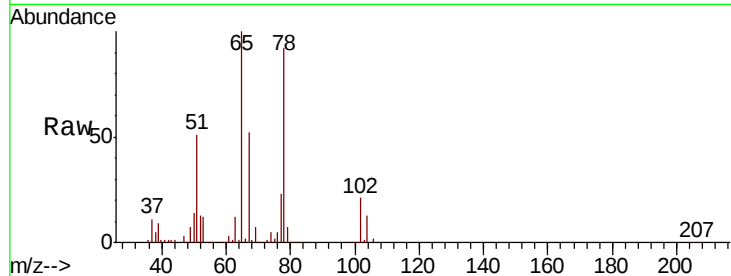




#33
 1,2-Dichloroethane-d4
 Concen: 19.297 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

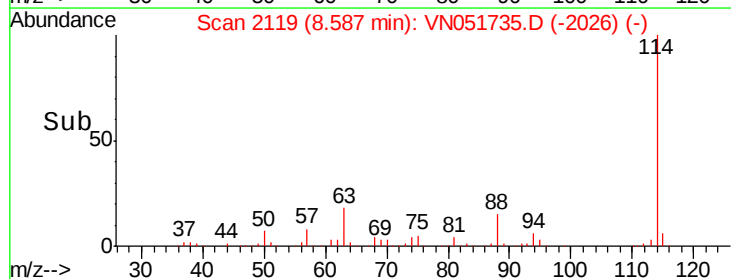
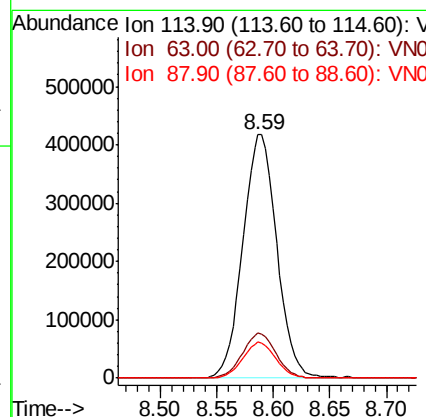
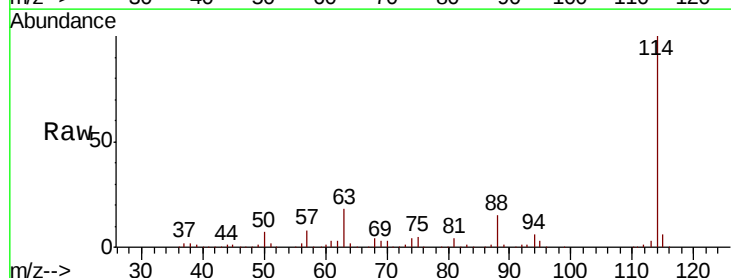
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

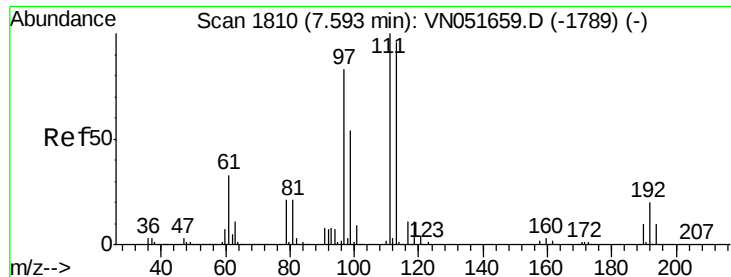
Tot Ion: 65 Resp: 380652
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 114 Resp: 872184
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 14.6 0.0 30.2

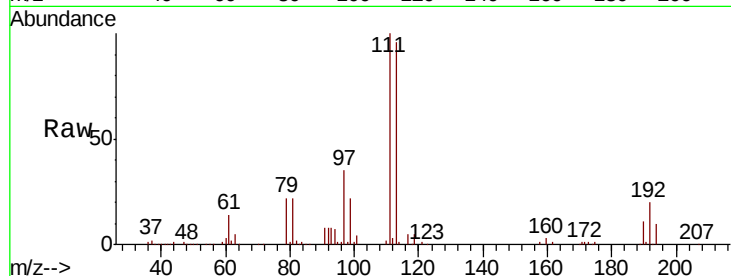




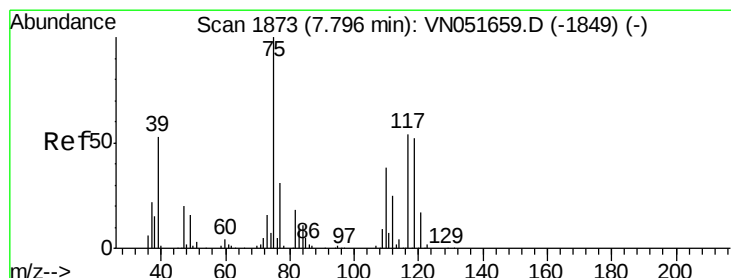
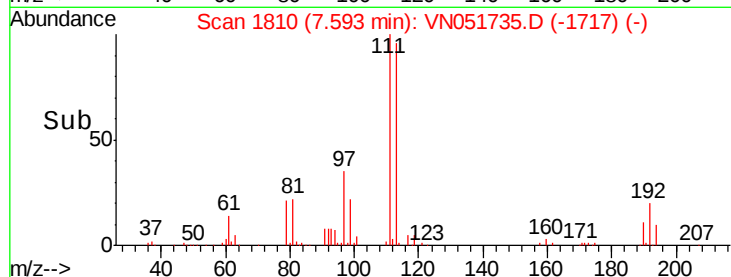
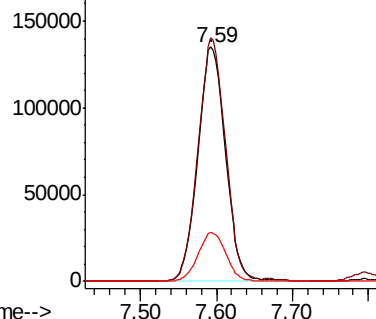
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion:113 Resp: 342477
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 21.0 16.5 24.7

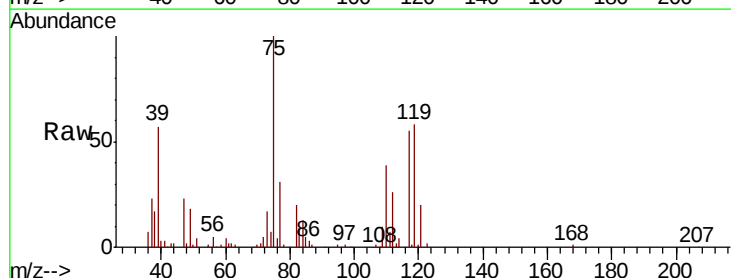


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

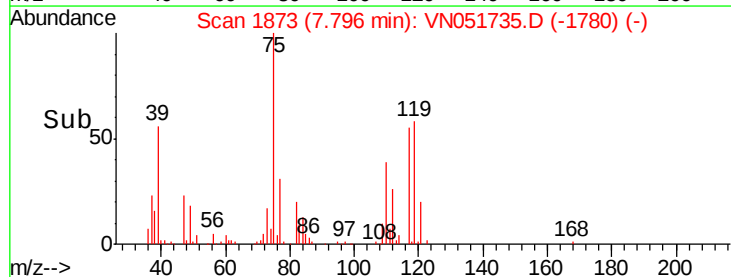
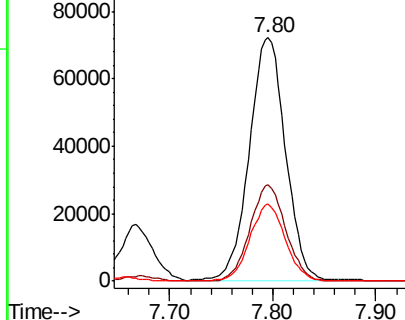


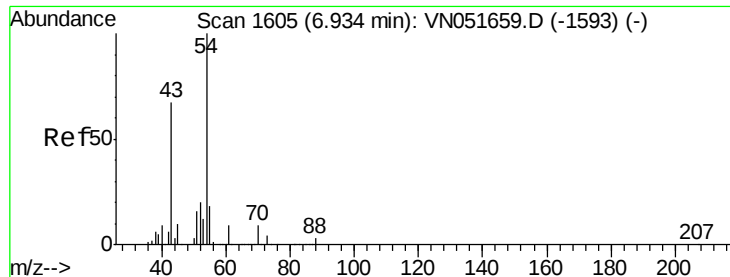
#36
1,1-Dichloropropene
Concen: 19.149 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 75 Resp: 174572
Ion Ratio Lower Upper
75 100
110 39.3 19.3 57.8
77 31.2 24.7 37.1



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

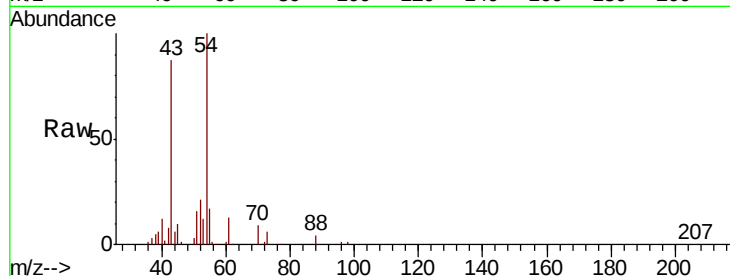




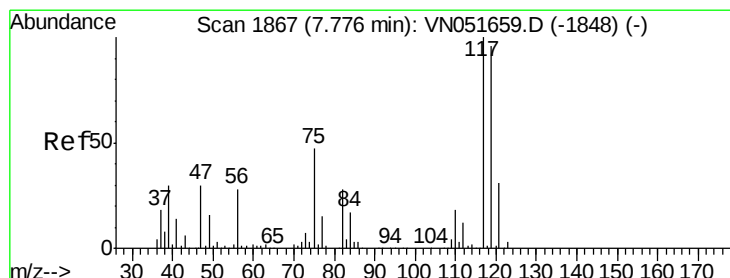
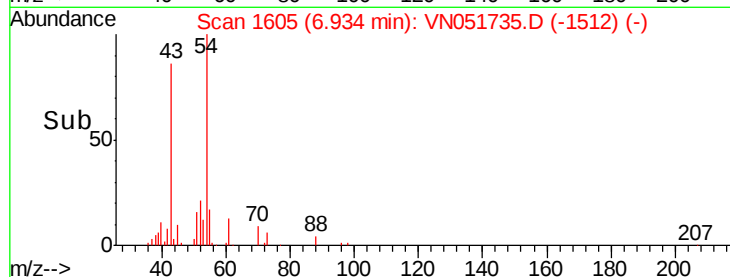
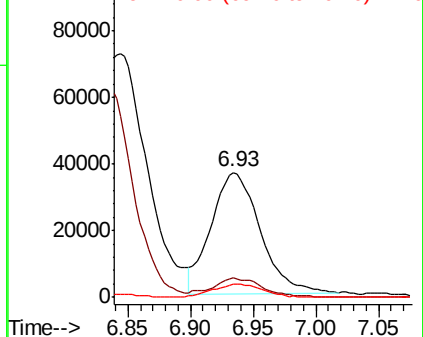
#37
Ethyl Acetate
Concen: 20.944 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleID :
VN1008MBSD01

Tot Ion: 43 Resp: 99584
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.2 8.7 13.1

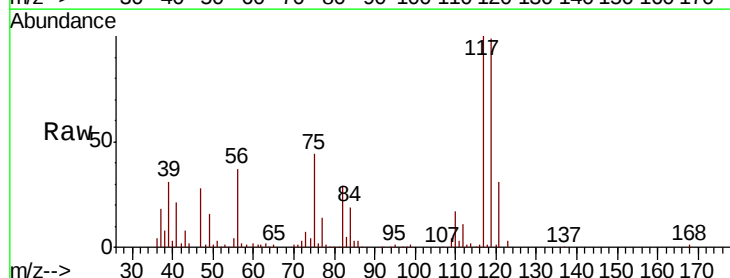


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

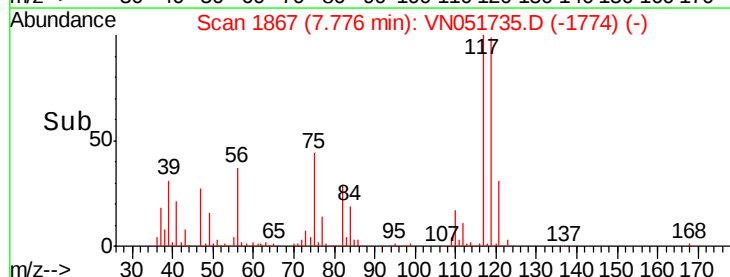
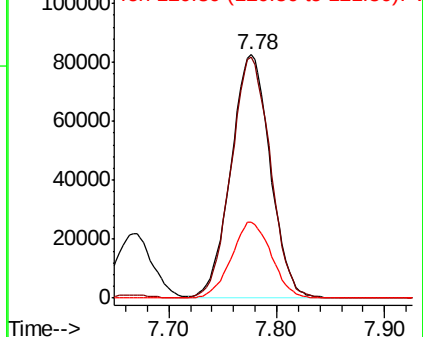


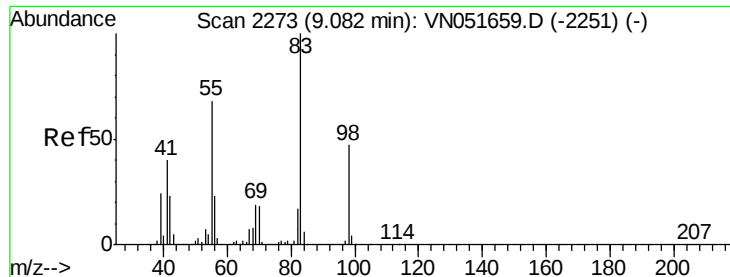
#38
Carbon Tetrachloride
Concen: 19.050 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 117 Resp: 208392
Ion Ratio Lower Upper
117 100
119 99.2 77.0 115.6
121 31.5 25.0 37.6



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

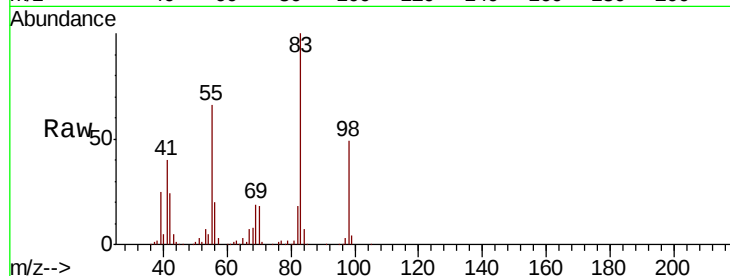




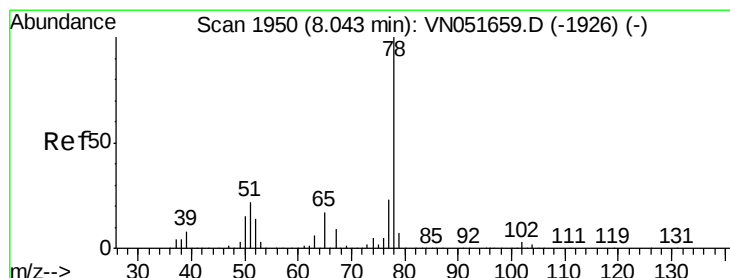
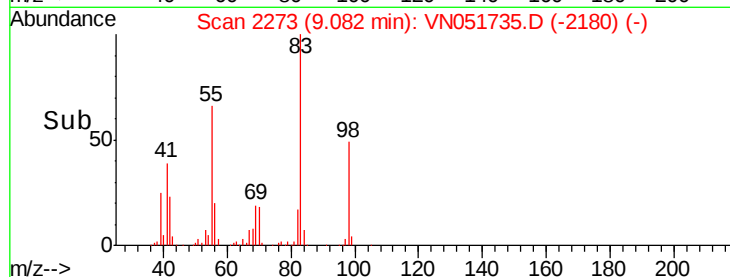
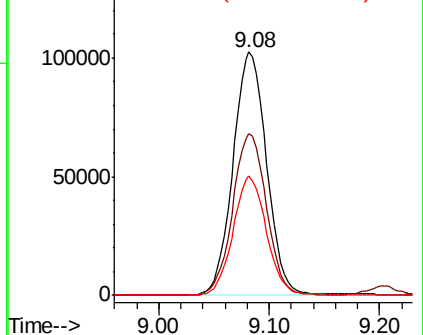
#39
Methvlcvclohexane
Concen: 18.936 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 83 Resp: 216702
Ion Ratio Lower Upper
83 100
55 66.2 54.3 81.5
98 48.9 37.4 56.2

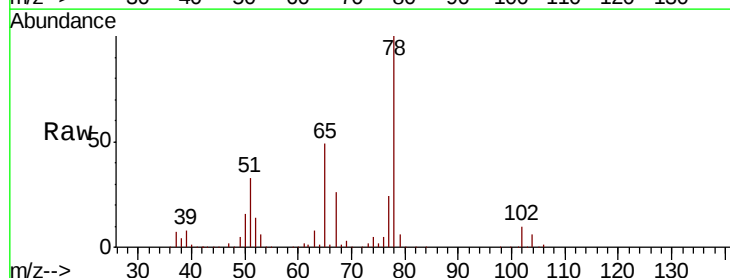


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

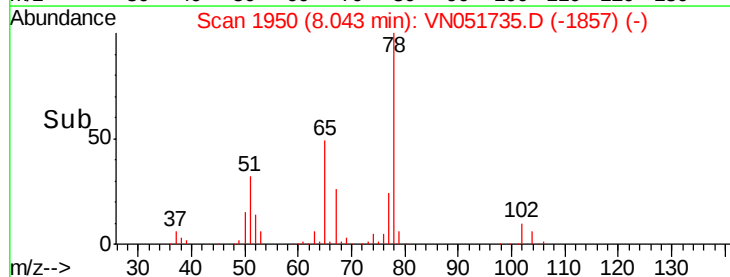
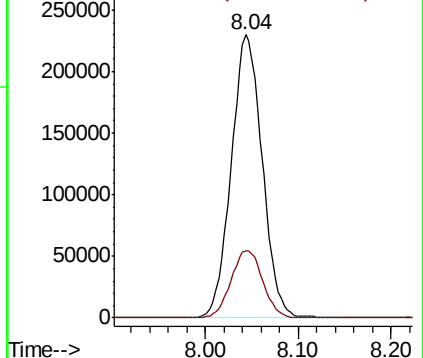


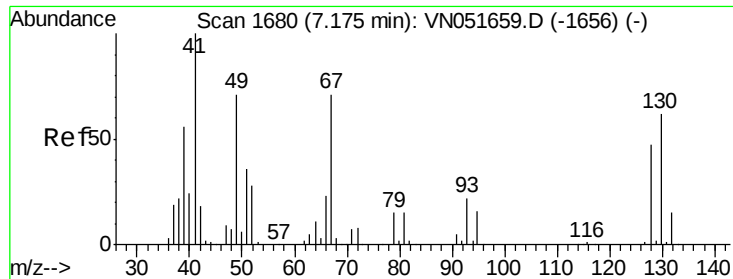
#40
Benzene
Concen: 19.700 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 78 Resp: 532398
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7



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





#41

Methacrylonitrile

Concen: 58.414 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 41 Resp: 142980

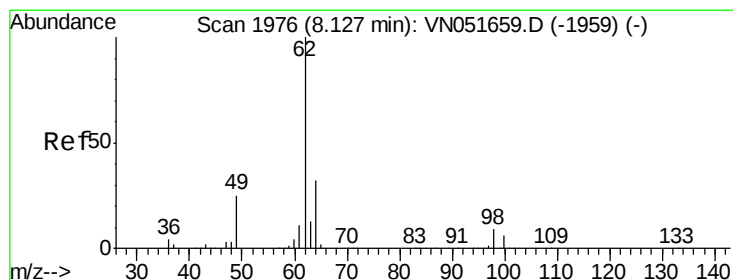
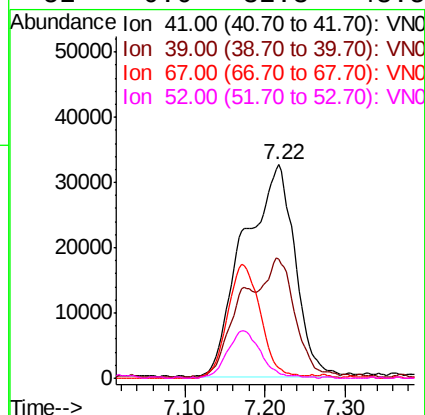
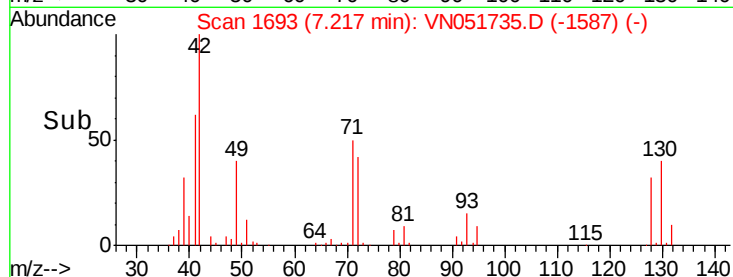
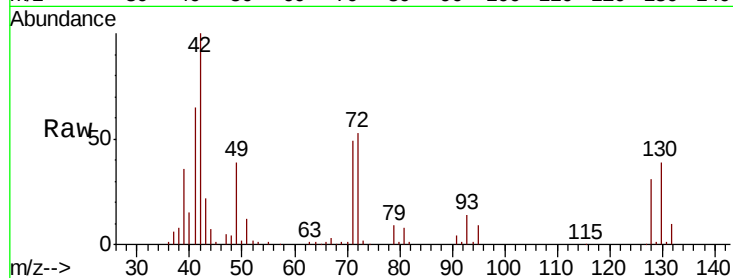
Ion Ratio Lower Upper

41 100

39 0.0 53.9 80.9#

67 0.0 78.1 117.1#

52 0.0 32.3 48.5#



#42

1,2-Dichloroethane

Concen: 19.533 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN051735.D

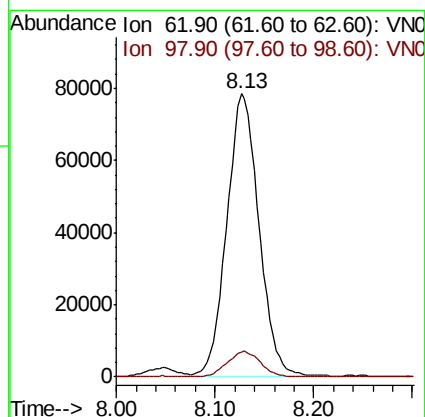
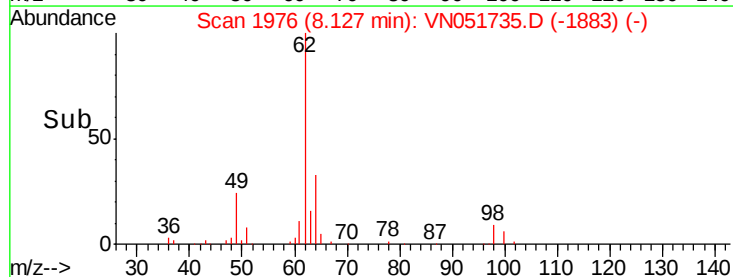
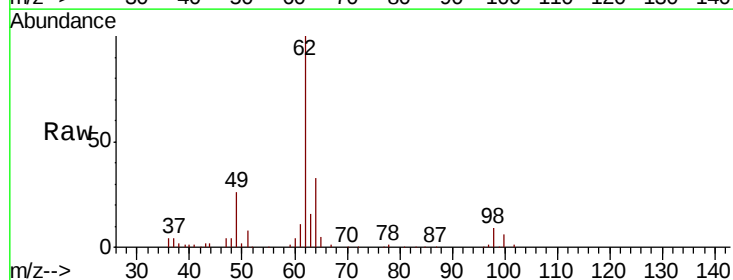
Acq: 8 Oct 2018 14:59

Tgt Ion: 62 Resp: 177904

Ion Ratio Lower Upper

62 100

98 9.5 0.0 18.4



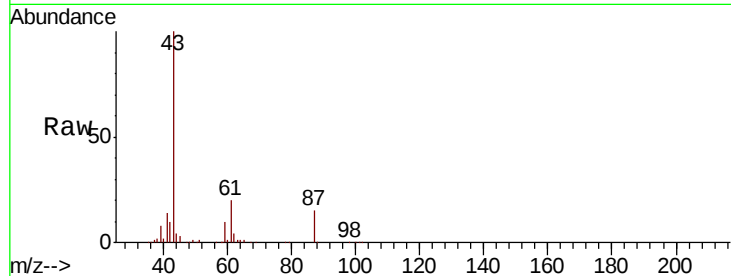


#43

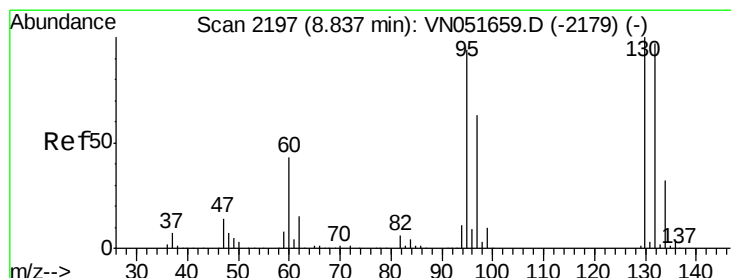
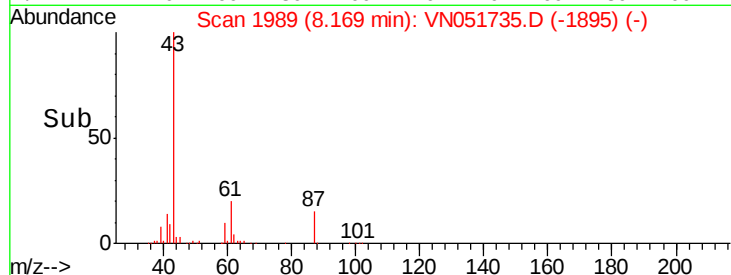
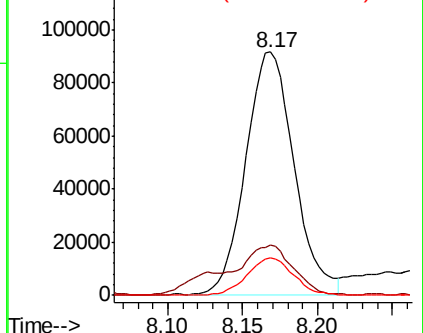
Isopropyl Acetate
 Concen: 20.731 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion: 43 Resp: 205514
 Ion Ratio Lower Upper
 43 100
 61 19.7 15.8 23.6
 87 14.9 12.6 19.0



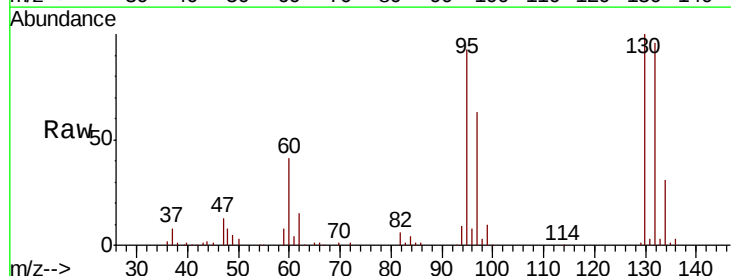
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



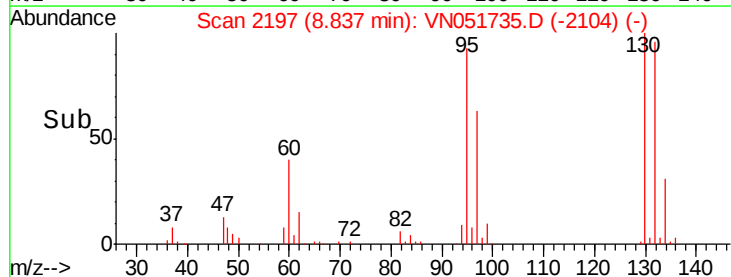
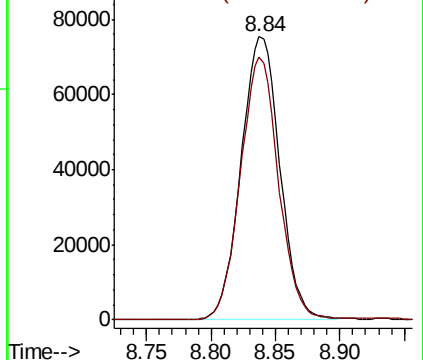
#44

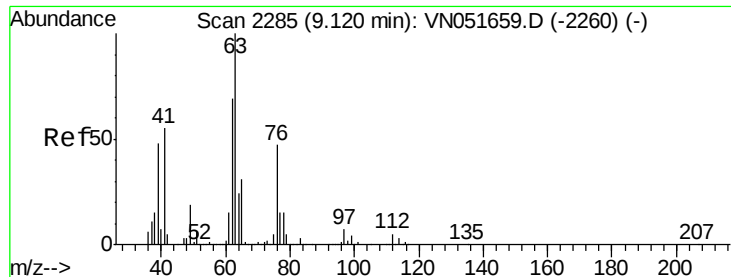
Trichloroethene
 Concen: 20.570 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 130 Resp: 157845
 Ion Ratio Lower Upper
 130 100
 95 92.8 0.0 188.0



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

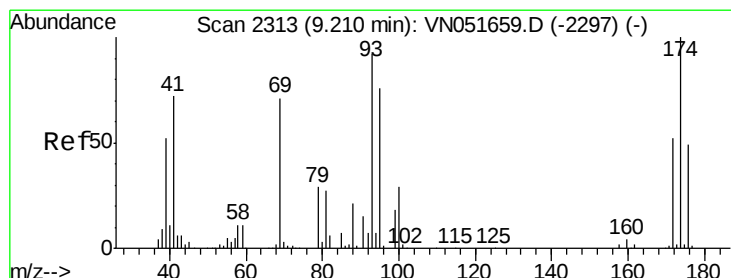
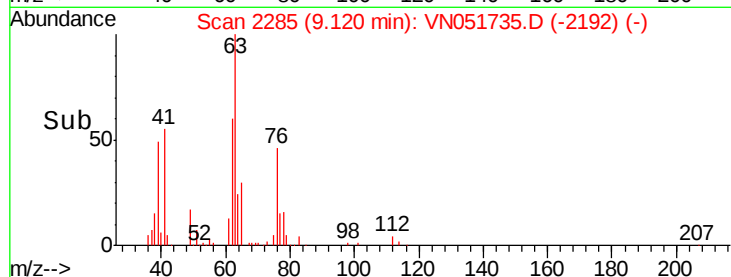
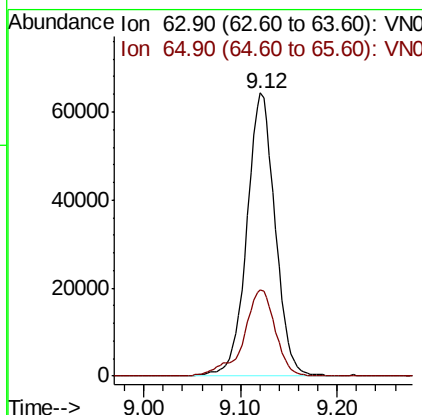
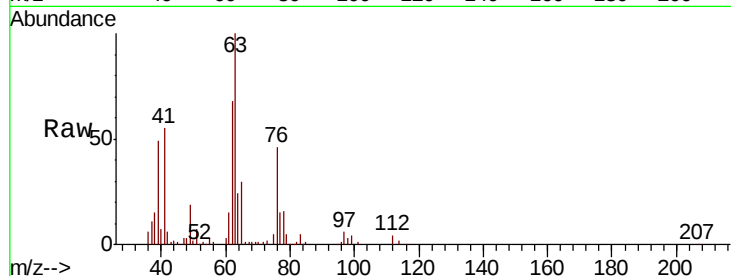




#45
 1,2-Dichloropropane
 Concen: 19.533 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

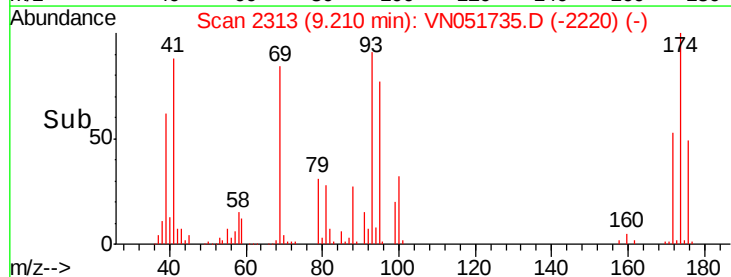
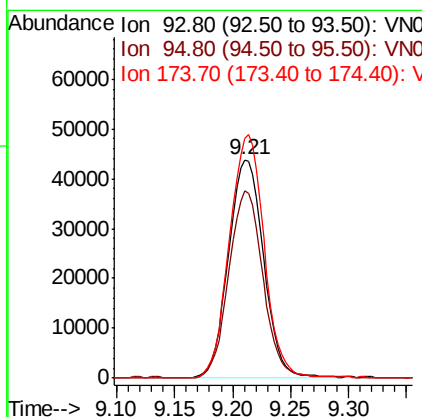
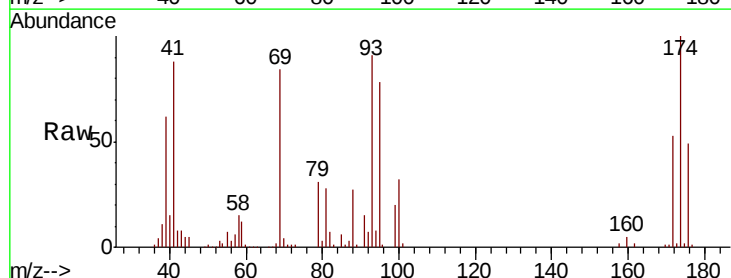
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

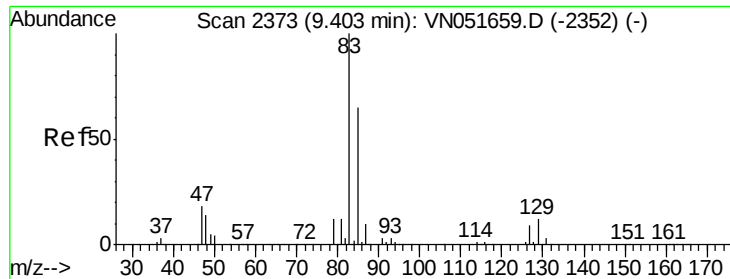
Tot Ion: 63 Resp: 130514
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4



#46
 Dibromomethane
 Concen: 19.831 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 93 Resp: 92103
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 109.6 85.9 128.9





#47

Bromodichloromethane

Concen: 18.978 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

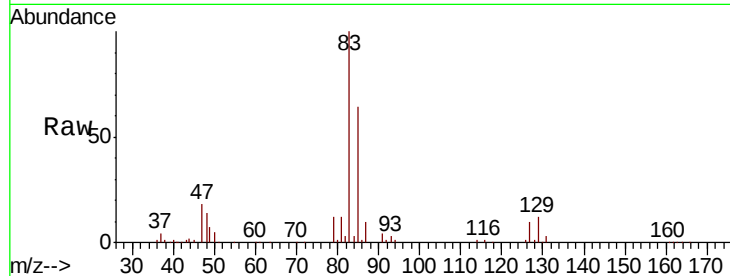
Tot Ion: 83 Resp: 194031

Ion Ratio Lower Upper

83 100

85 64.1 51.6 77.4

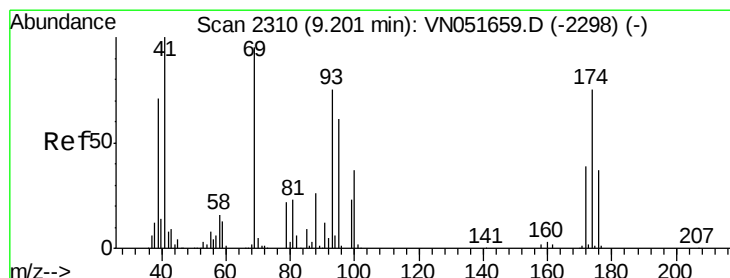
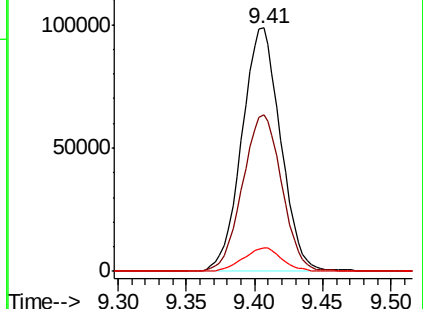
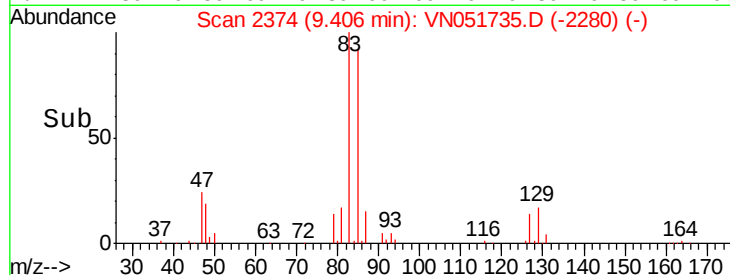
127 9.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN051735.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051735.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051735.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.139 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

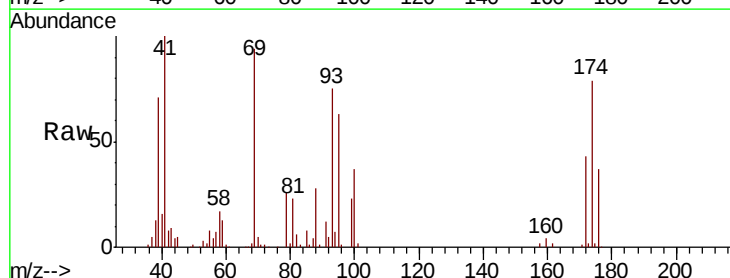
Tgt Ion: 41 Resp: 95755

Ion Ratio Lower Upper

41 100

69 98.3 78.6 118.0

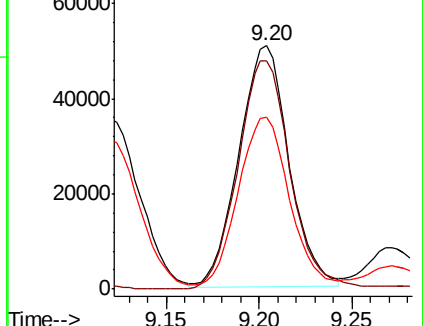
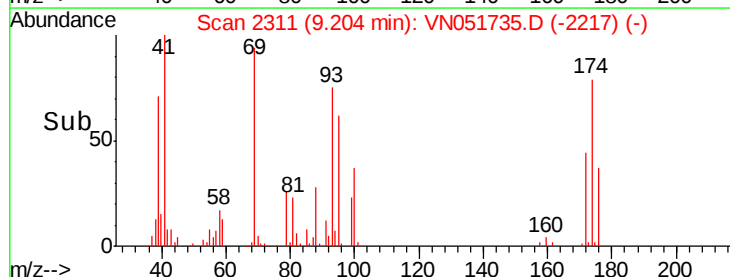
39 71.8 59.2 88.8

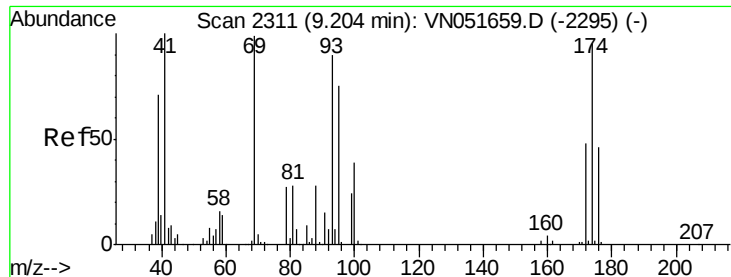


Abundance Ion 41.00 (40.70 to 41.70): VN051735.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051735.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051735.D (-2217) (-)





#49

1,4-Dioxane

Concen: 448.717 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

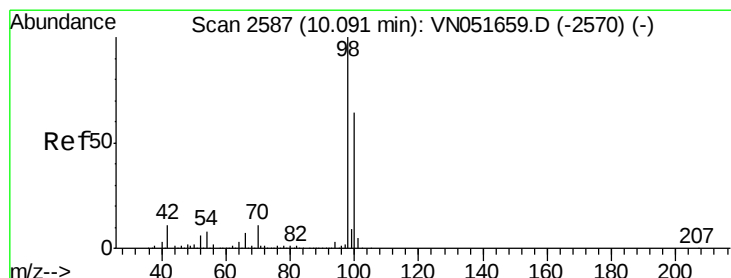
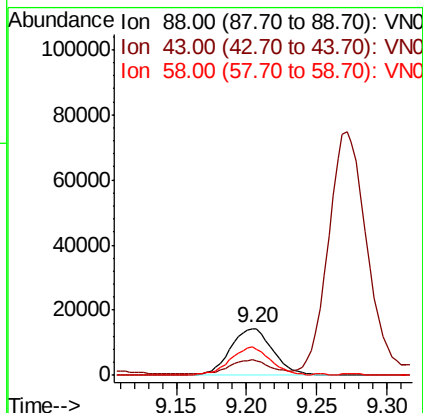
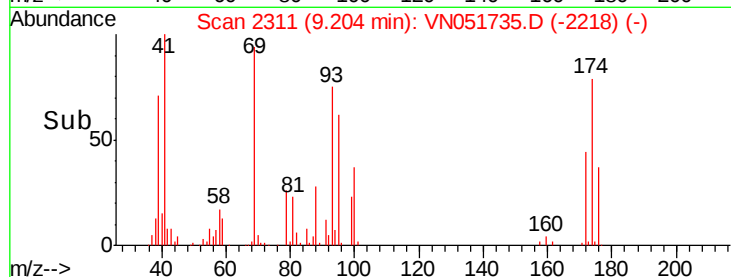
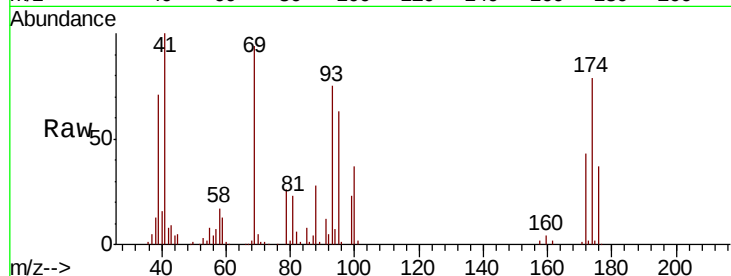
Tot Ion: 88 Resp: 30478

Ion Ratio Lower Upper

88 100

43 26.2 24.5 36.7

58 57.2 47.6 71.4



#50

Toluene-d8

Concen: 448.717 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN051735.D

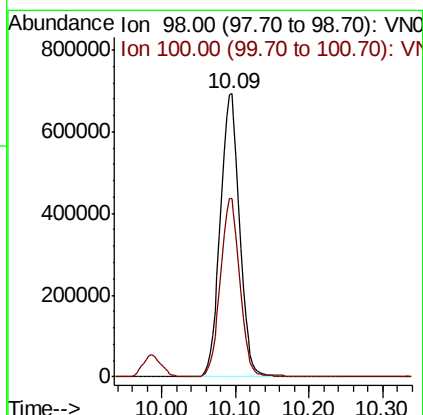
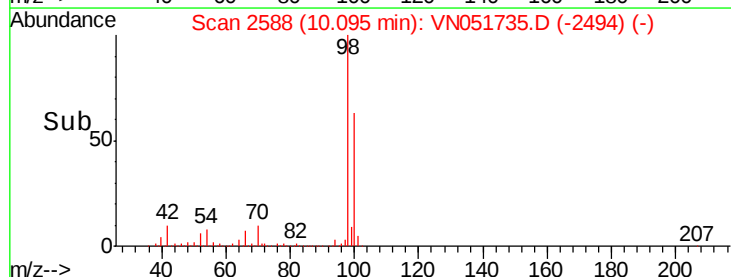
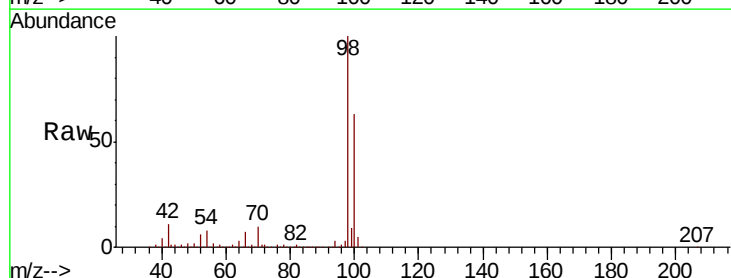
Acq: 8 Oct 2018 14:59

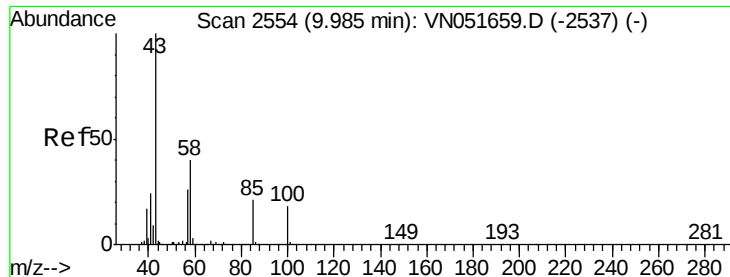
Tgt Ion: 98 Resp: 1266775

Ion Ratio Lower Upper

98 100

100 63.3 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 106.137 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

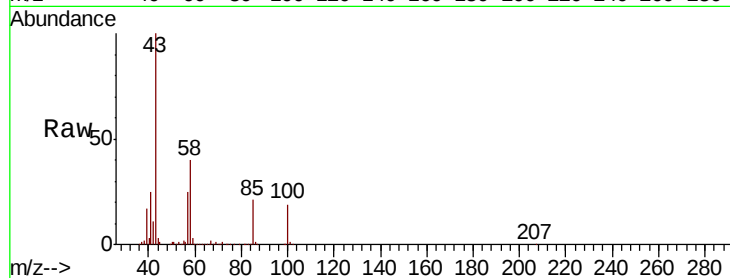
VN1008MBSD01

Tot Ion: 43 Resp: 533155

Ion Ratio Lower Upper

43 100

58 39.8 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

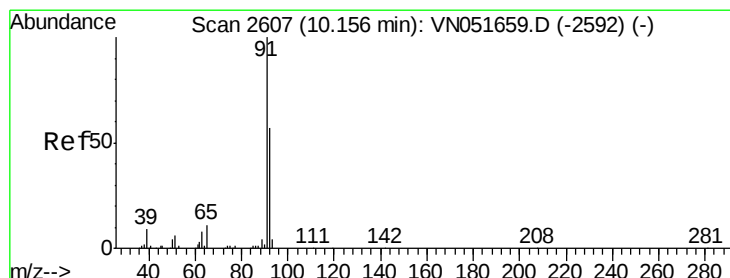
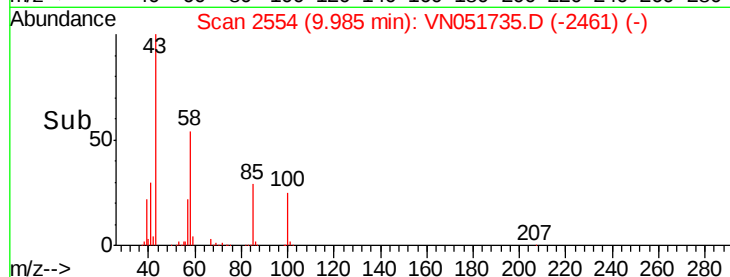
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.453 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051735.D

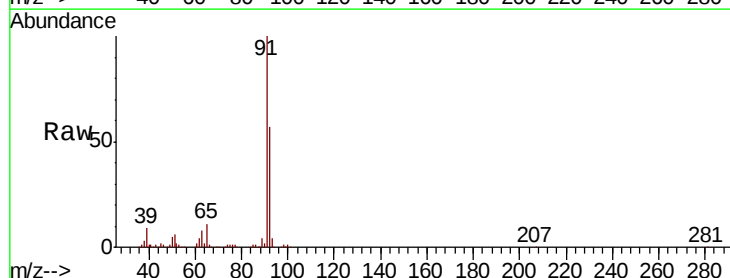
Acq: 8 Oct 2018 14:59

Tgt Ion: 92 Resp: 349660

Ion Ratio Lower Upper

92 100

91 177.7 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

400000

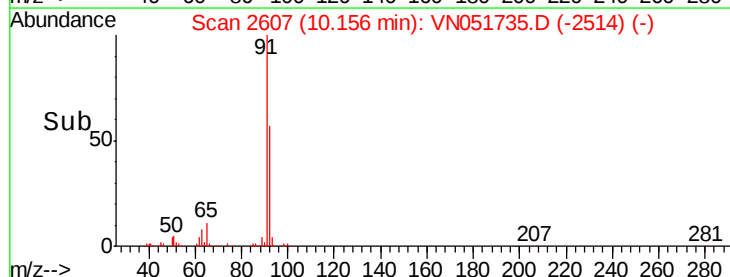
300000

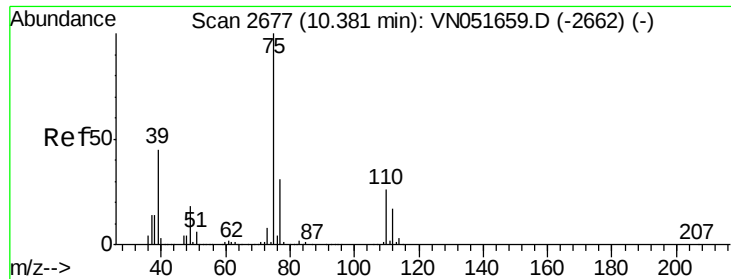
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.314 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

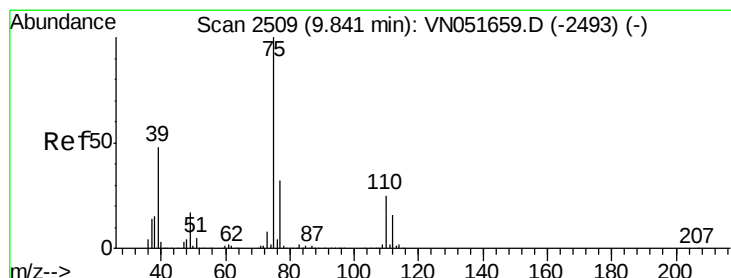
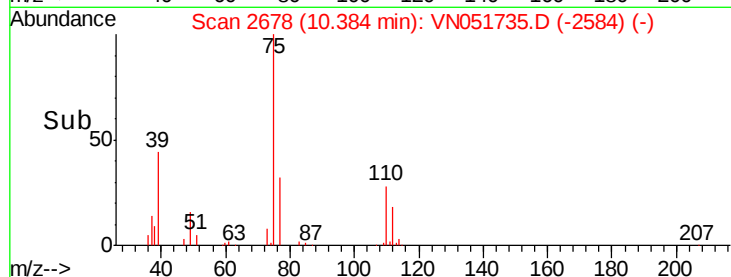
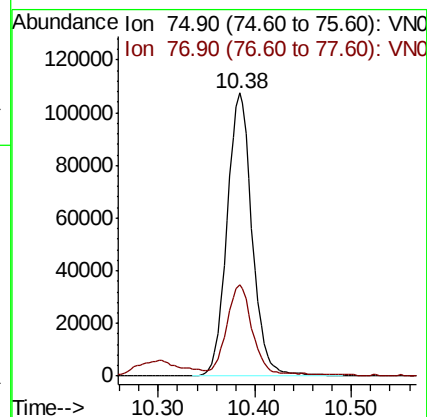
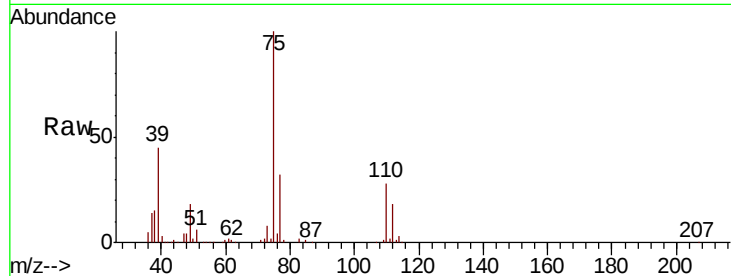
VN1008MBSD01

Tot Ion: 75 Resp: 193204

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.240 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

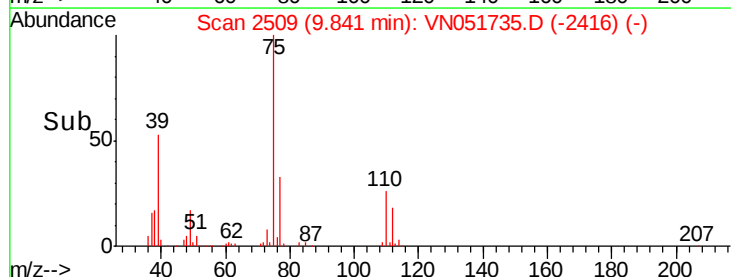
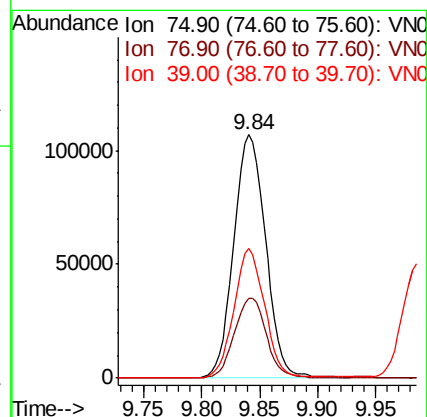
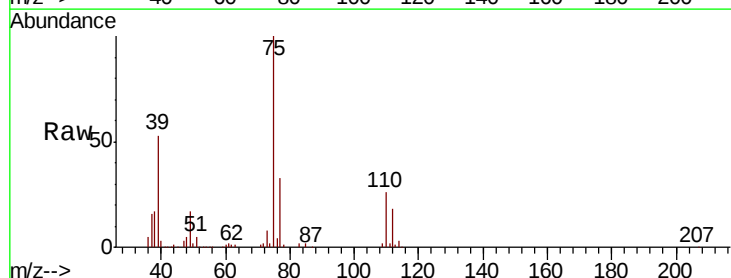
Tgt Ion: 75 Resp: 204339

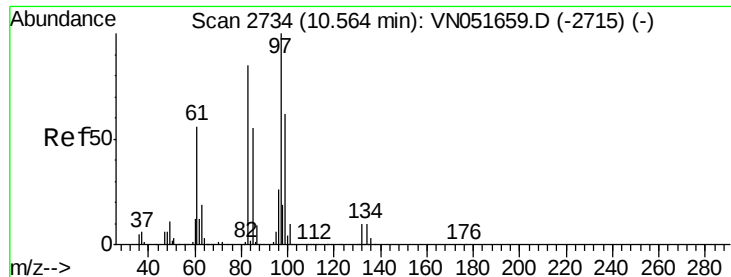
Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

39 53.2 38.1 57.1

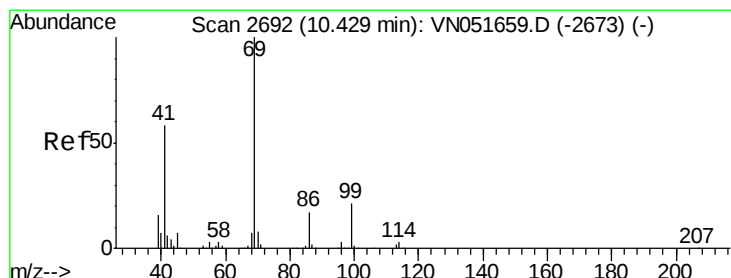
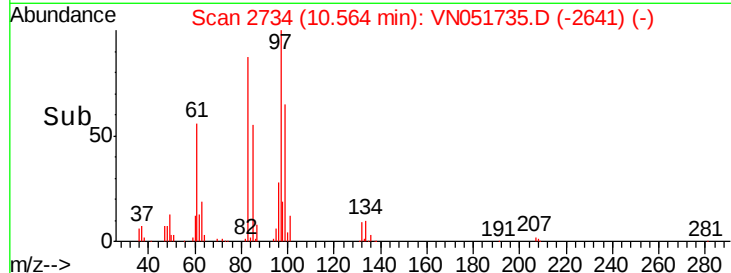
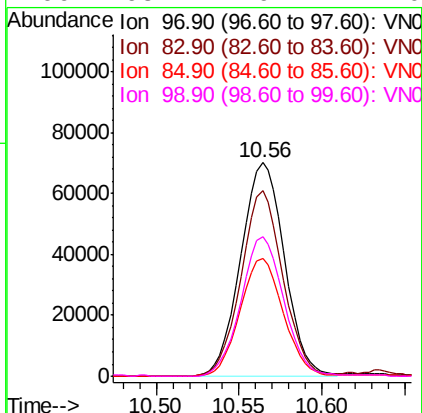
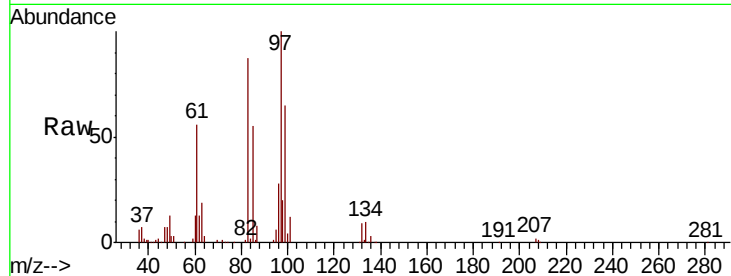




#55
 1,1,2-Trichloroethane
 Concen: 20.094 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

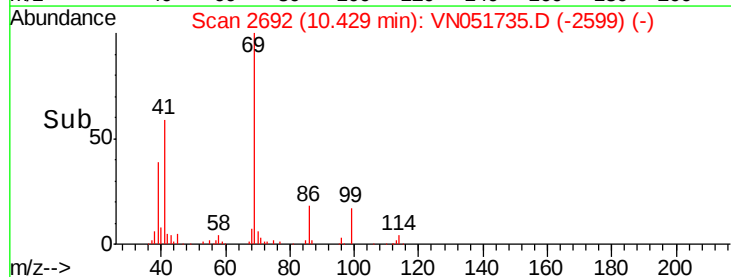
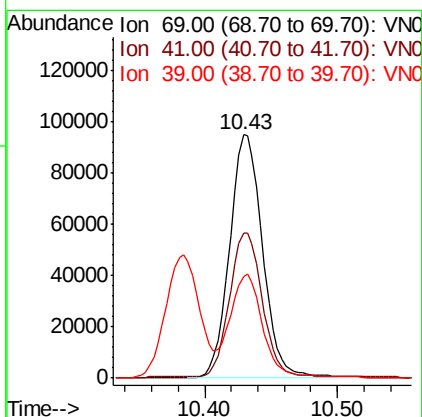
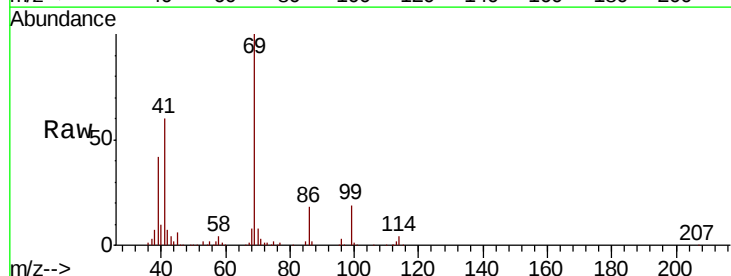
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

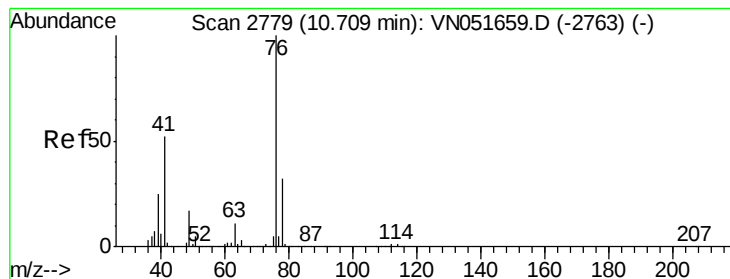
Tot Ion: 97 Resp: 128668
 Ion Ratio Lower Upper
 97 100
 83 86.8 68.1 102.1
 85 54.9 43.6 65.4
 99 65.1 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 20.305 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 69 Resp: 164420
 Ion Ratio Lower Upper
 69 100
 41 58.4 46.4 69.6
 39 41.7 32.4 48.6





#57

1,3-Dichloropropane

Concen: 20.253 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

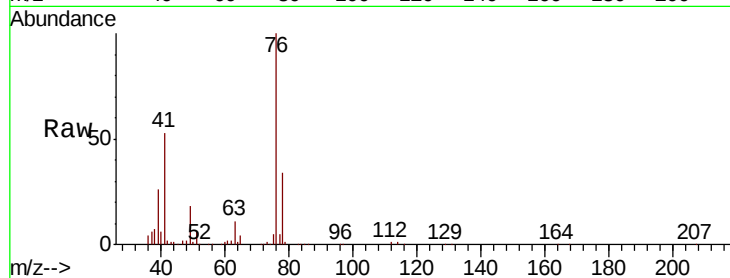
VN1008MBSD01

Tot Ion: 76 Resp: 205256

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

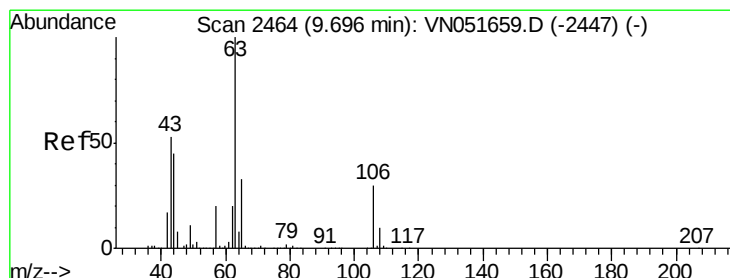
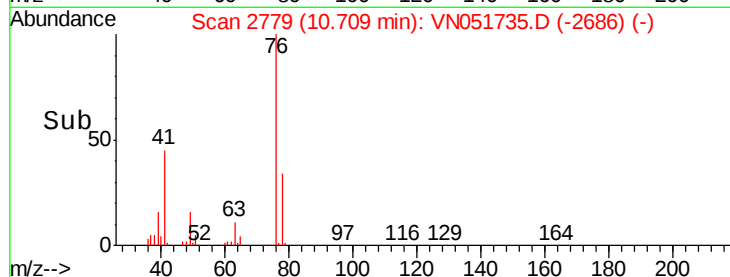
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 98.272 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051735.D

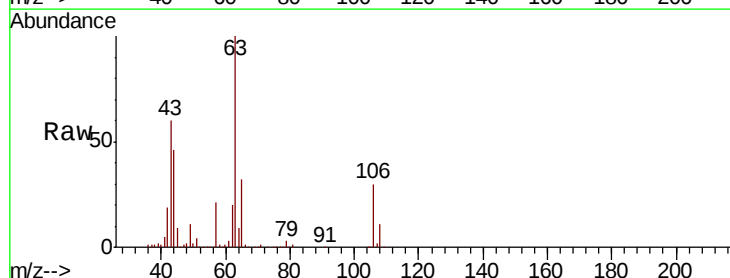
Acq: 8 Oct 2018 14:59

Tgt Ion: 63 Resp: 329342

Ion Ratio Lower Upper

63 100

106 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

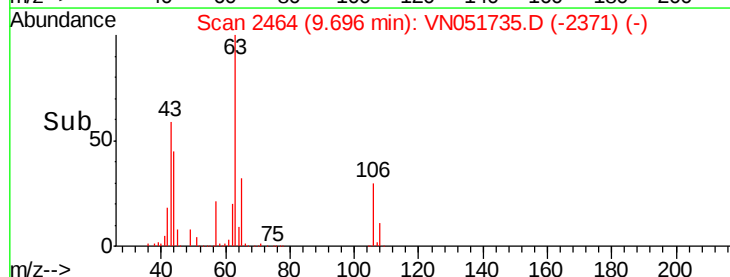
150000

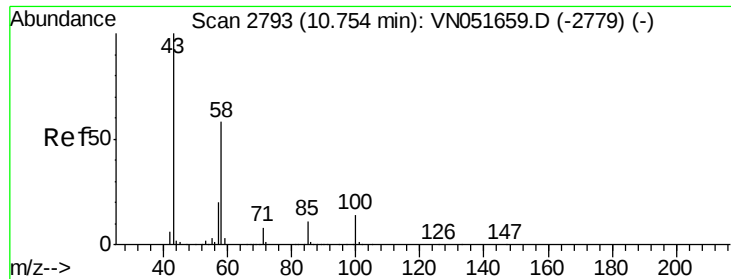
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

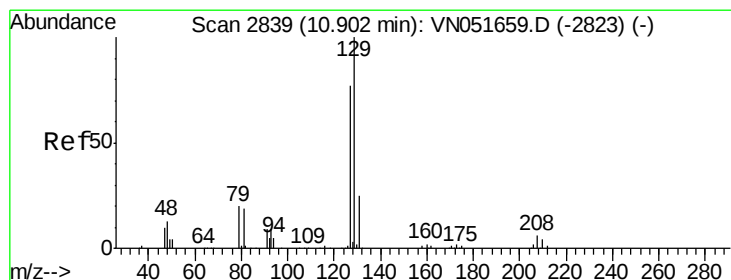
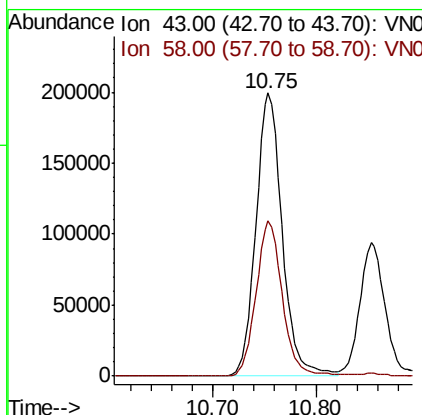
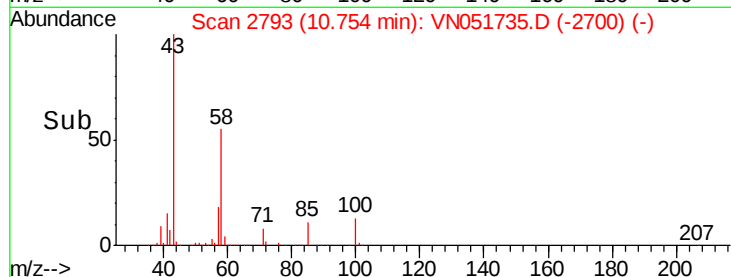
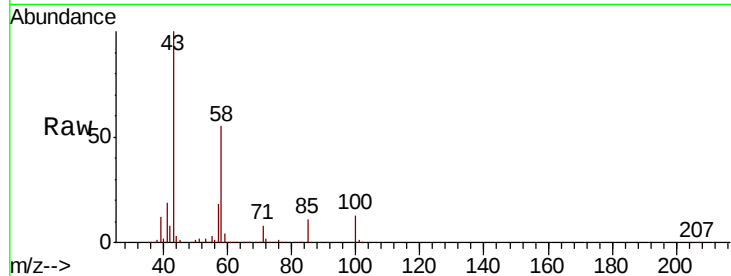




#59
2-Hexanone
Concen: 102.551 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

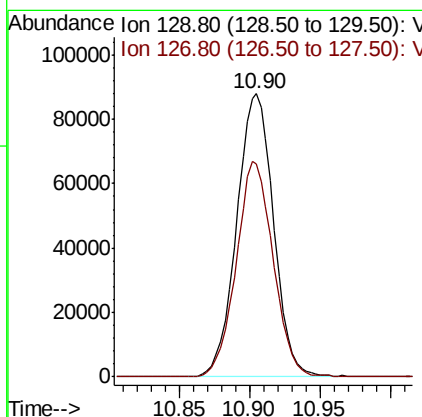
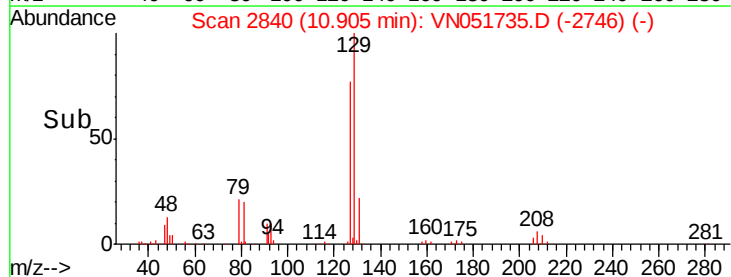
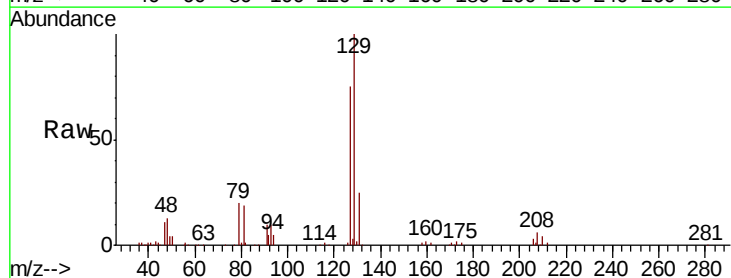
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

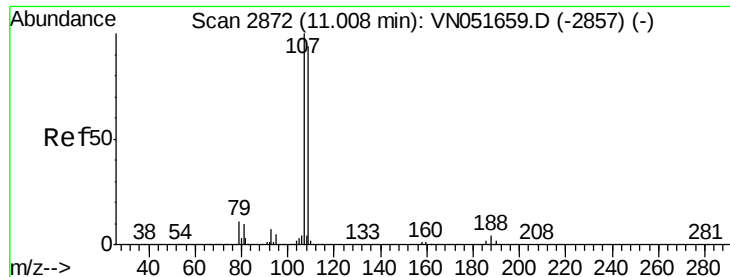
Tot Ion: 43 Resp: 349848
Ion Ratio Lower Upper
43 100
58 55.1 28.8 86.4



#60
Dibromochloromethane
Concen: 19.168 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 129 Resp: 160621
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.218 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

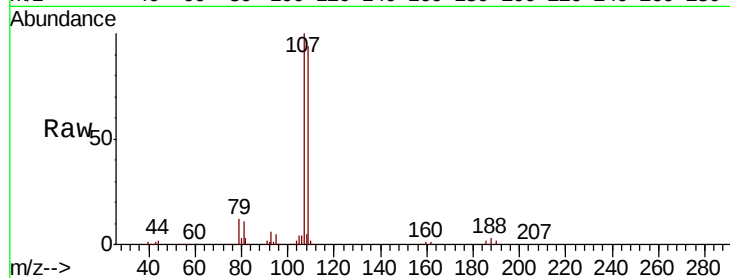
VN1008MBSD01

Tot Ion:107 Resp: 136856

Ion Ratio Lower Upper

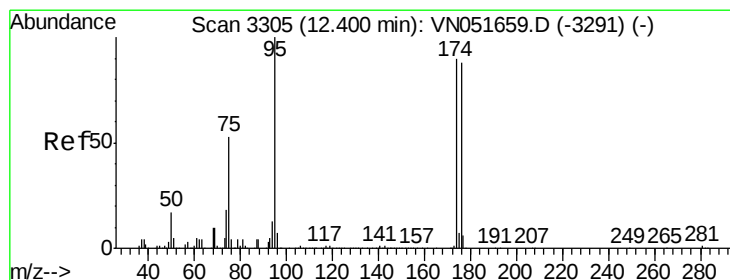
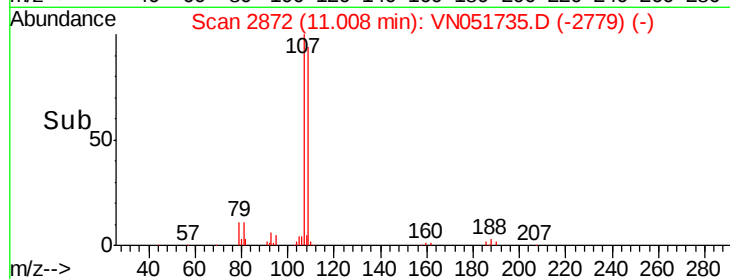
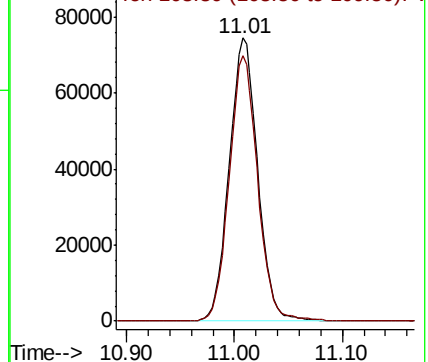
107 100

109 93.6 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: 20.218 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

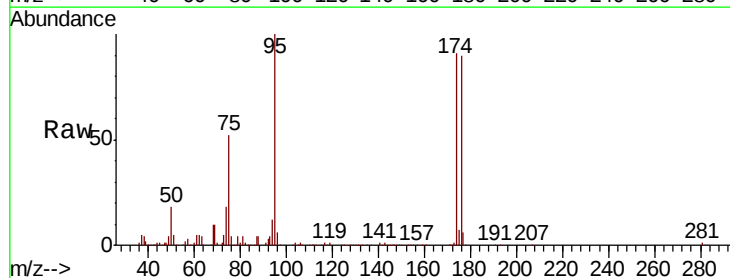
Tgt Ion: 95 Resp: 419933

Ion Ratio Lower Upper

95 100

174 92.5 0.0 182.8

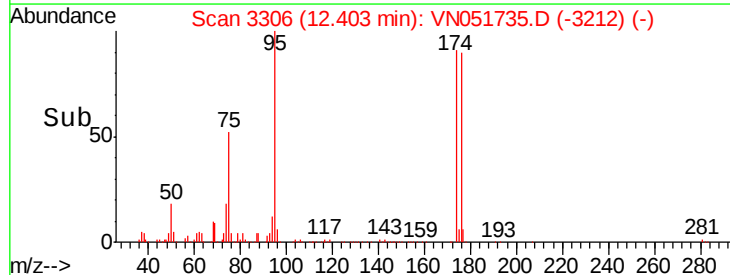
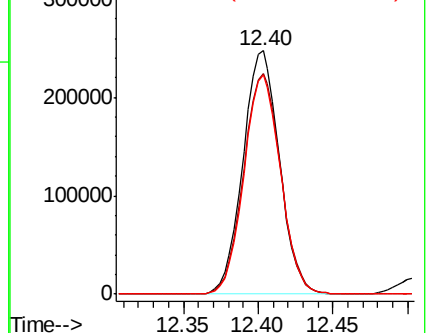
176 90.0 0.0 176.4

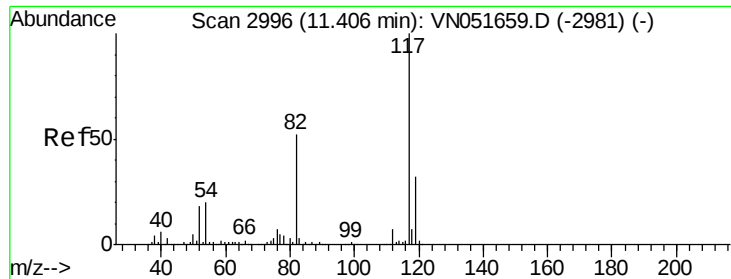


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

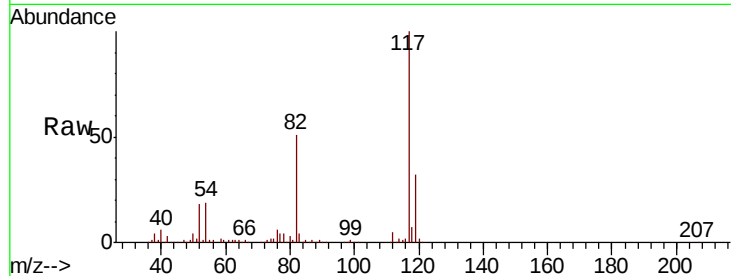




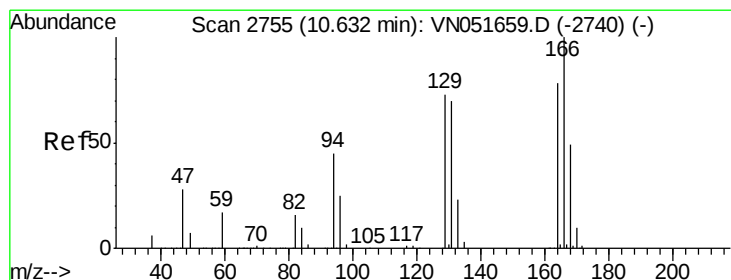
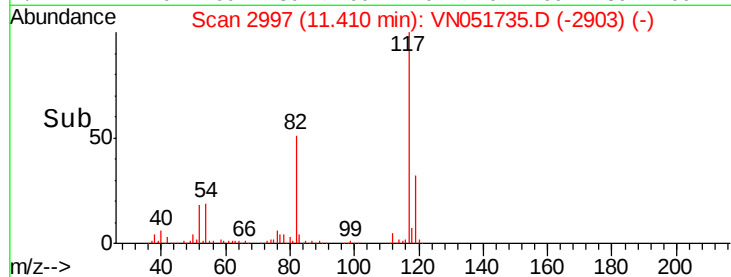
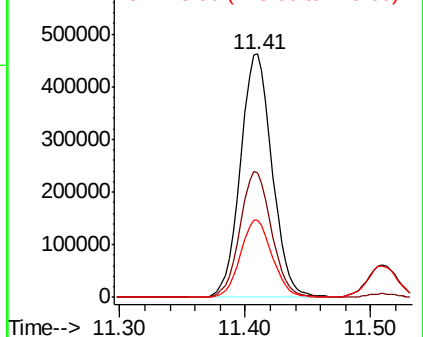
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion:117 Resp: 812245
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 31.7 25.9 38.9

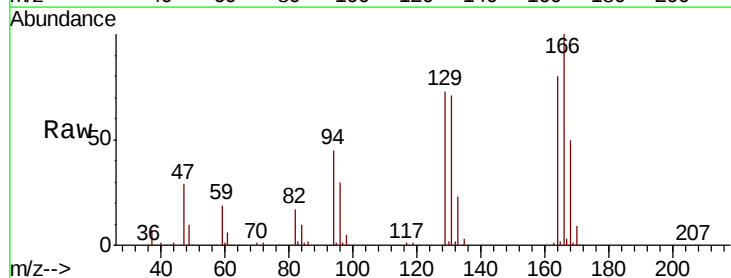


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

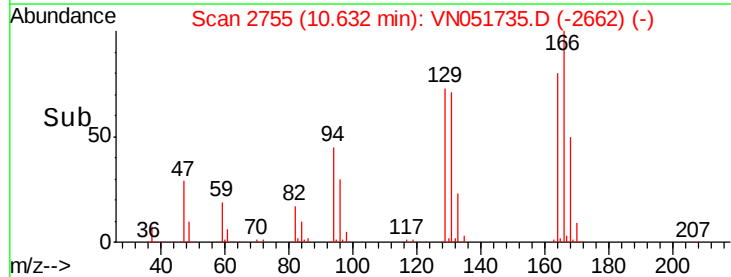
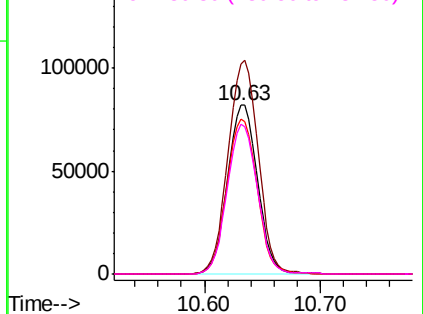


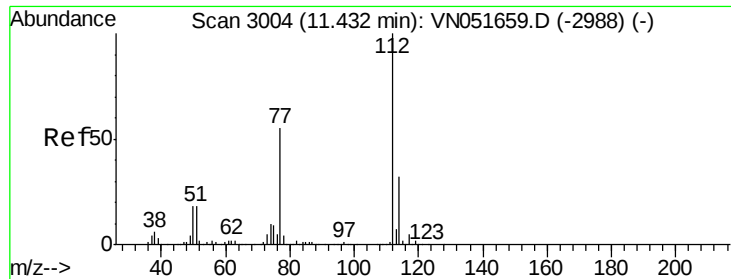
#64
Tetrachloroethene
Concen: 20.481 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion:164 Resp: 146765
Ion Ratio Lower Upper
164 100
166 124.6 103.0 154.6
129 91.6 75.2 112.8
131 88.4 71.7 107.5



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

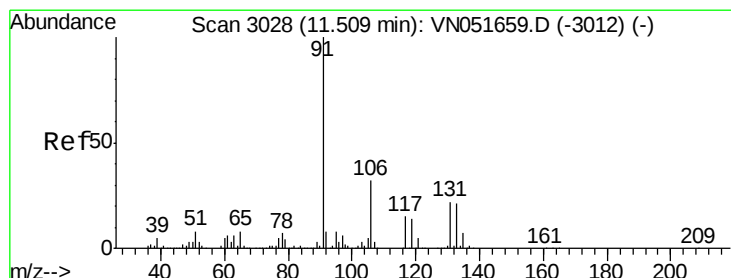
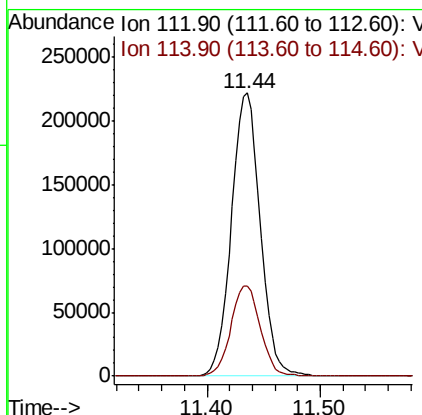
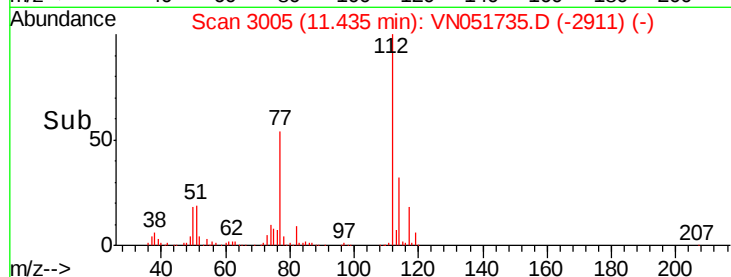
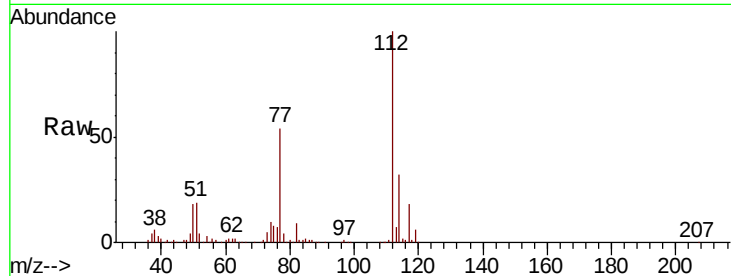




#65
Chlorobenzene
Concen: 19.543 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

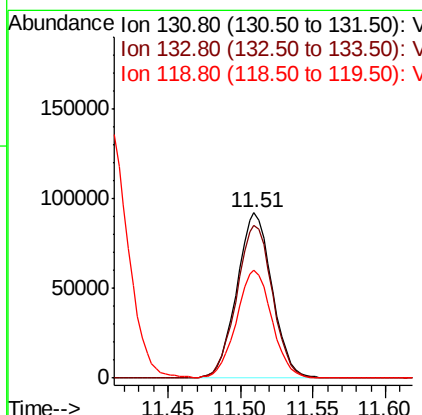
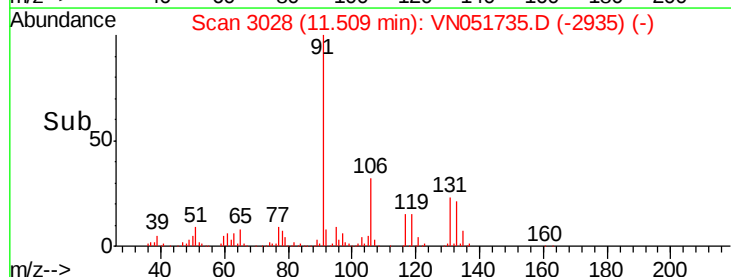
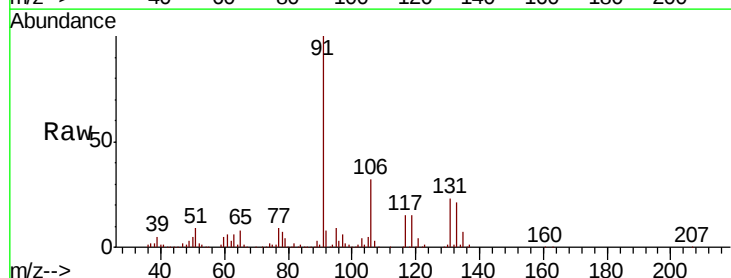
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

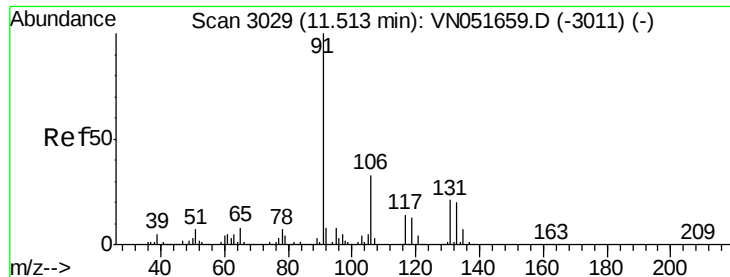
Tot Ion:112 Resp: 393145
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion:131 Resp: 156421
Ion Ratio Lower Upper
131 100
133 93.9 47.6 142.8
119 65.5 32.0 96.0

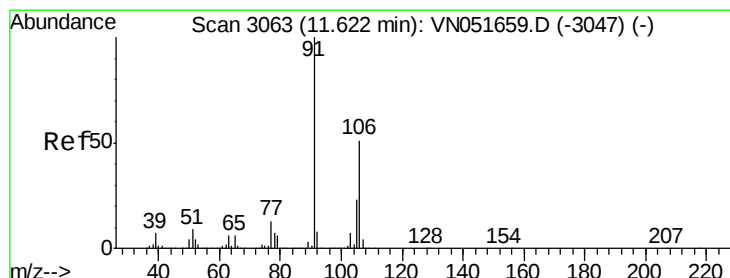
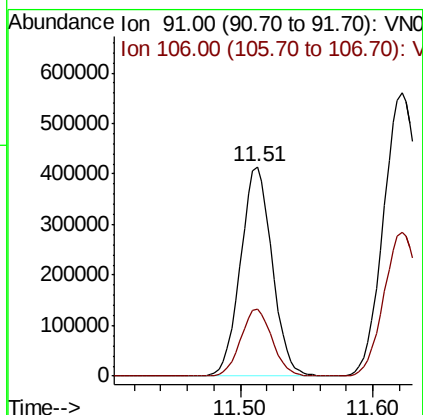
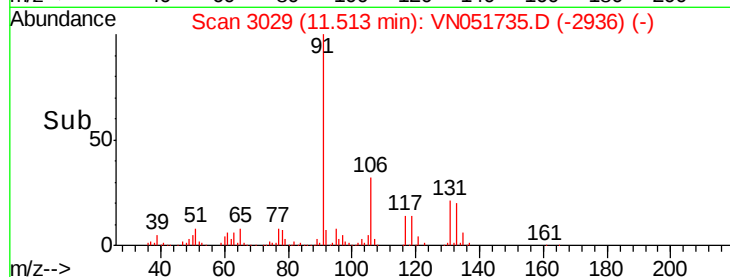
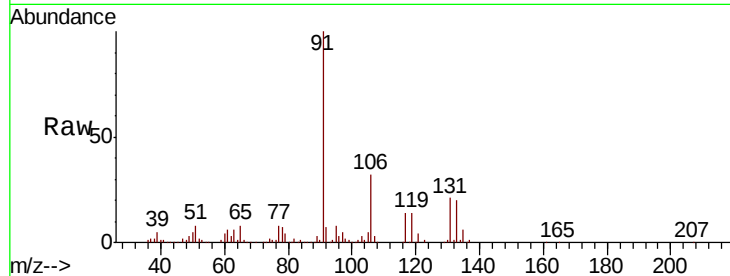




#67
Ethyl Benzene
Concen: 19.752 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

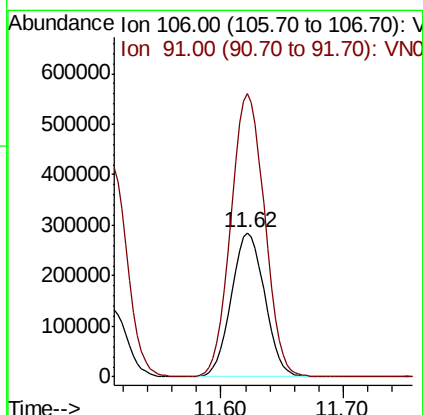
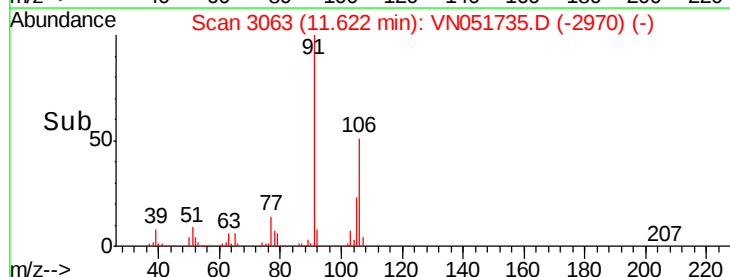
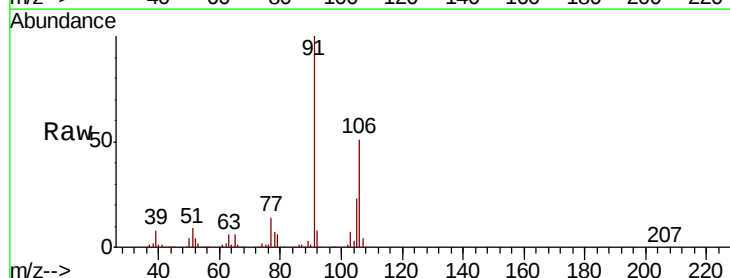
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

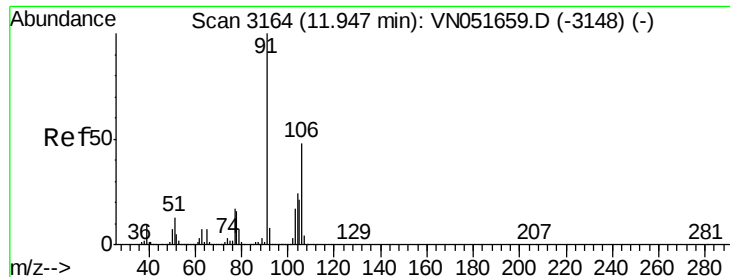
Tot Ion: 91 Resp: 686790
Ion Ratio Lower Upper
91 100
106 31.9 26.0 39.0



#68
m/p-Xylenes
Concen: 39.002 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 106 Resp: 542600
Ion Ratio Lower Upper
106 100
91 198.4 158.4 237.6

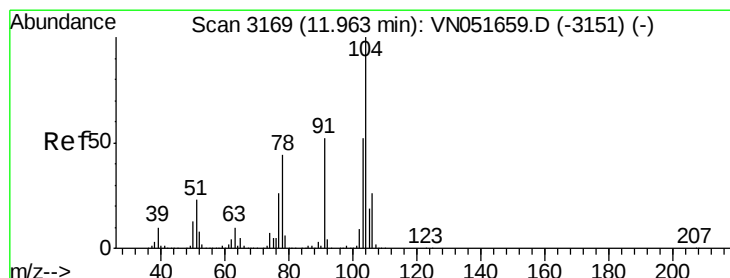
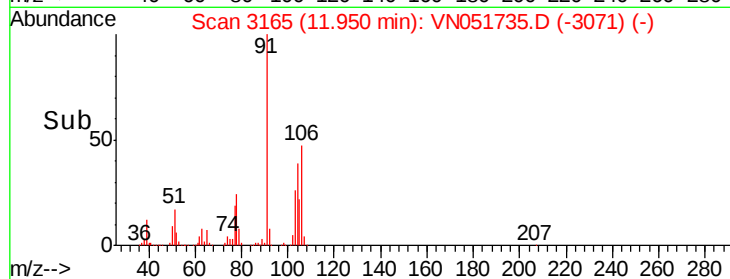
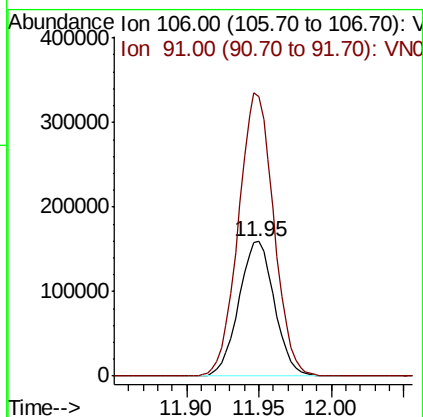
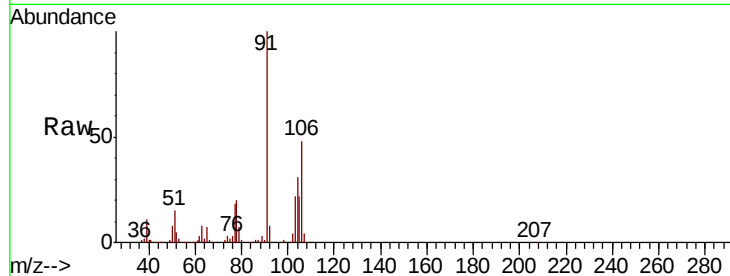




#69
o-Xylene
Concen: 19.861 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

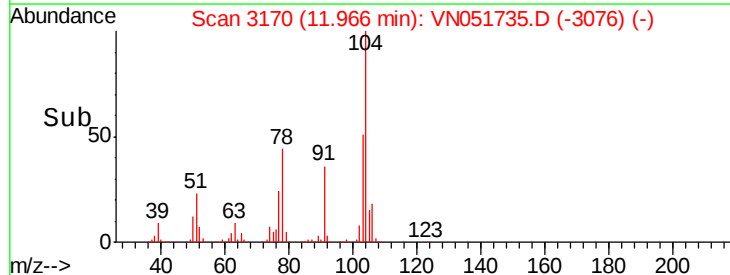
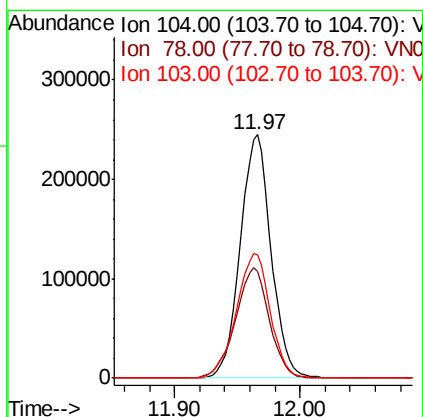
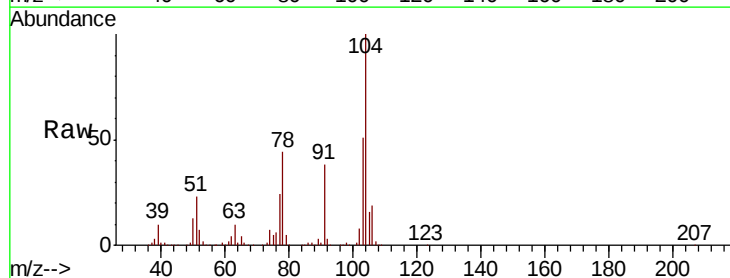
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

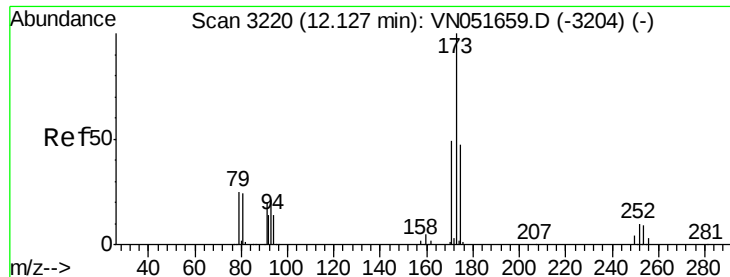
Tot Ion:106 Resp: 270975
Ion Ratio Lower Upper
106 100
91 209.2 104.4 313.2



#70
Styrene
Concen: 19.229 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion:104 Resp: 418047
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 56.5 45.0 67.6





#71

Bromoform

Concen: 17.752 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

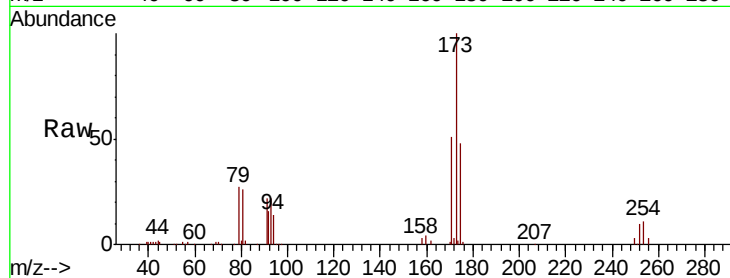
Tot Ion:173 Resp: 106356

Ion Ratio Lower Upper

173 100

175 49.1 24.0 72.0

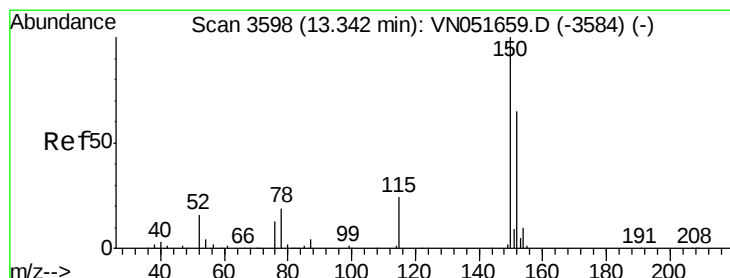
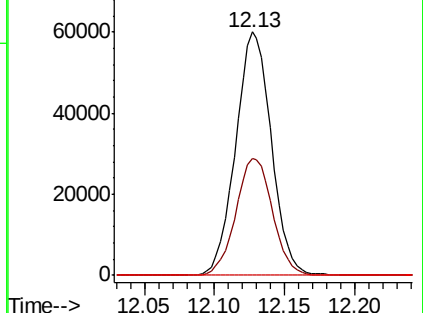
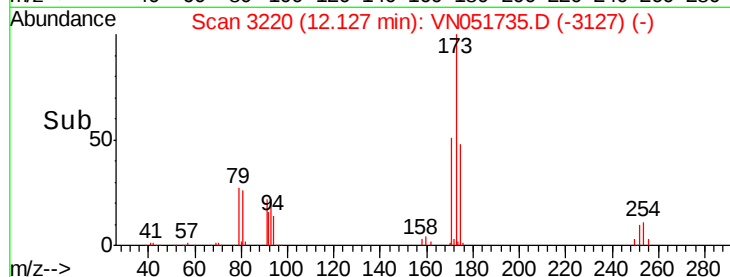
254 0.0 0.1 0.1#



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: VN051735.D

Acq: 8 Oct 2018 14:59

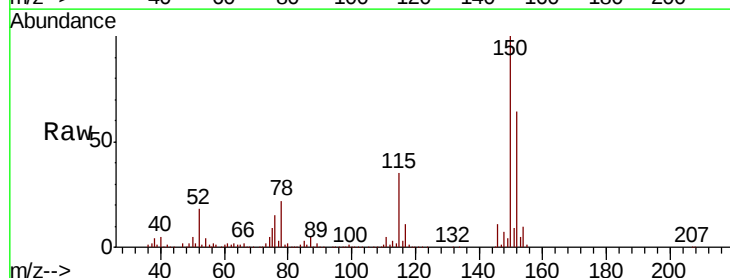
Tgt Ion:152 Resp: 425442

Ion Ratio Lower Upper

152 100

115 54.7 28.6 85.8

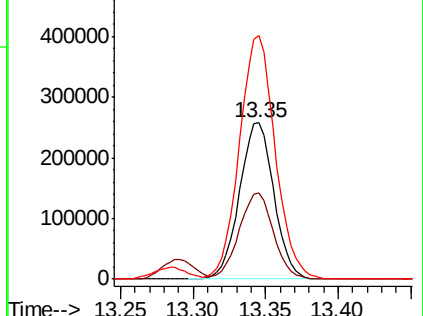
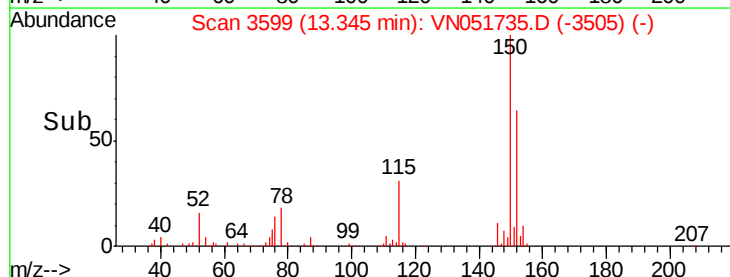
150 162.0 0.0 352.4

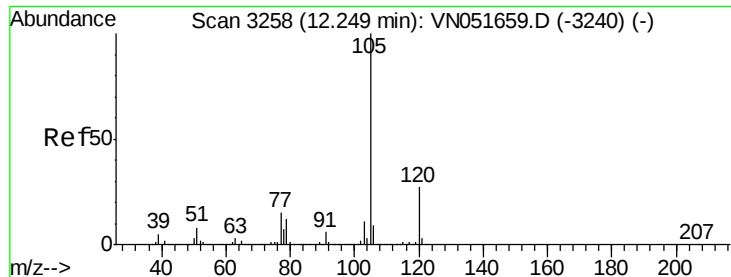


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

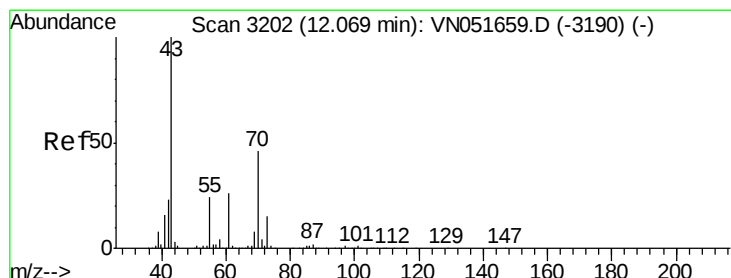
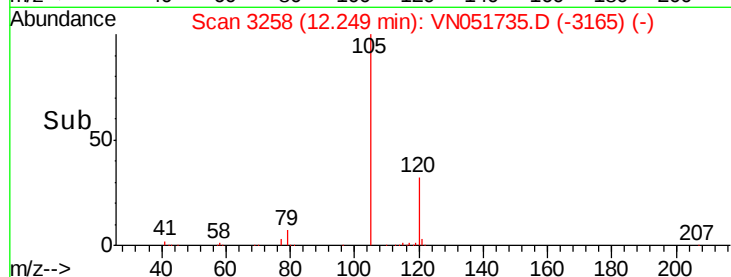
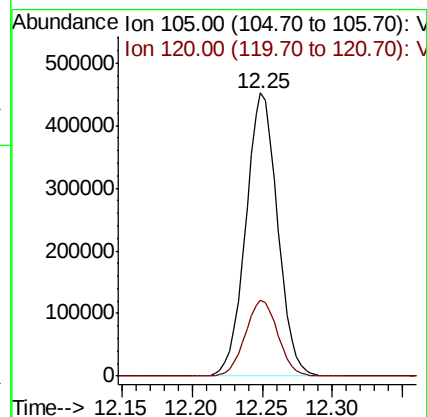
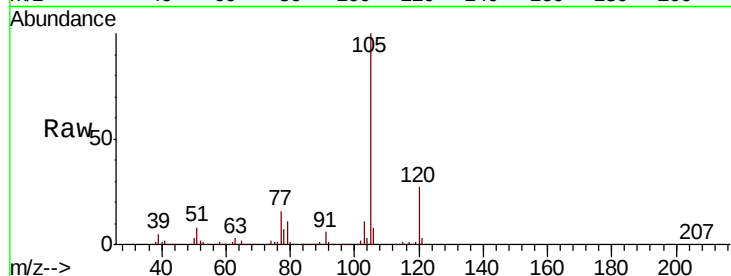
VN1008MBSD01

Tot Ion:105 Resp: 713378

Ion Ratio Lower Upper

105 100

120 27.5 13.9 41.6



#74

N-ethyl acetate

Concen: 19.371 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion: 43 Resp: 160268

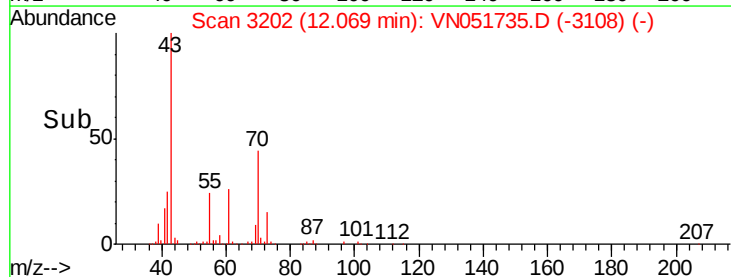
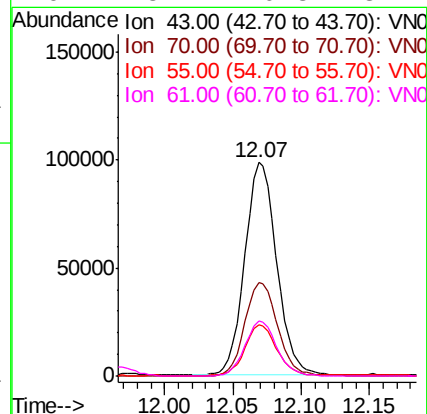
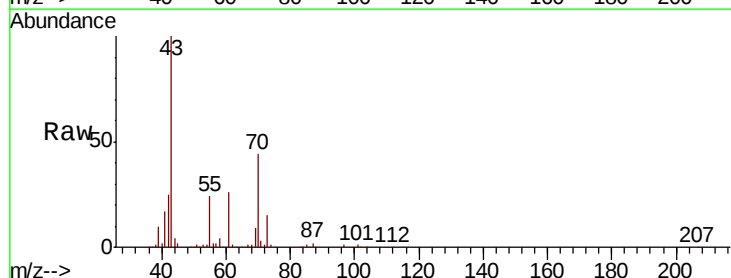
Ion Ratio Lower Upper

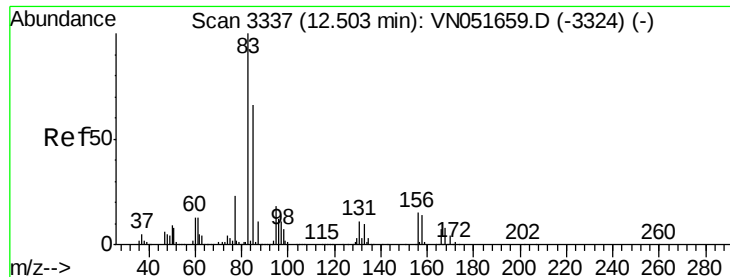
43 100

70 45.0 37.1 55.7

55 23.6 19.1 28.7

61 25.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.911 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

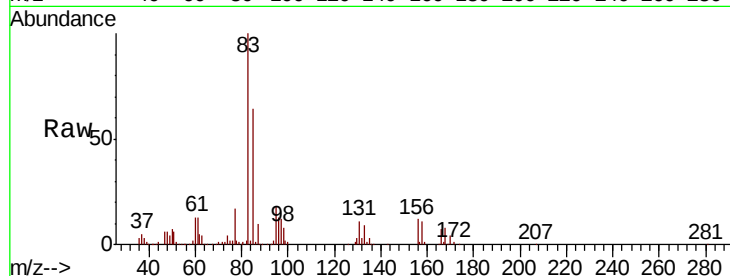
Tot Ion: 83 Resp: 156388

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

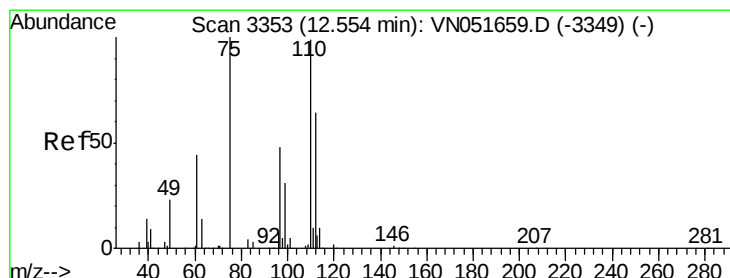
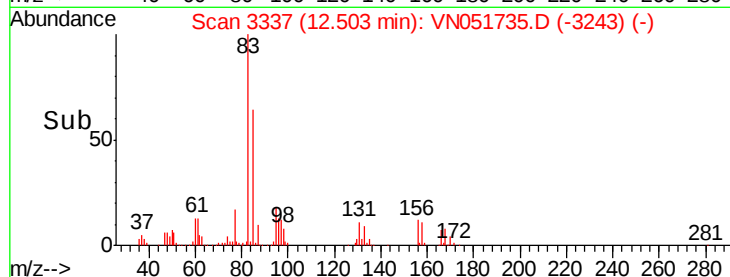
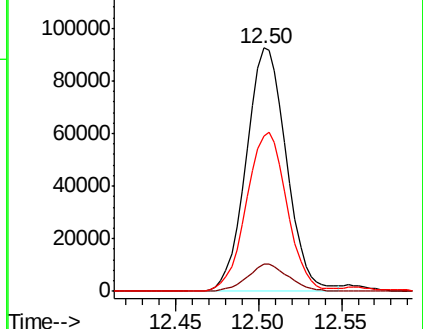
85 65.6 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN051735.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051735.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051735.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 34.863 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051735.D

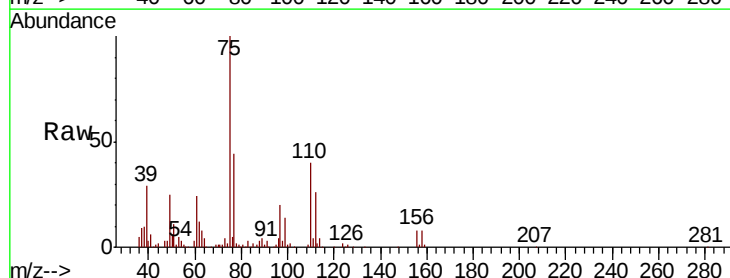
Acq: 8 Oct 2018 14:59

Tgt Ion: 75 Resp: 190860

Ion Ratio Lower Upper

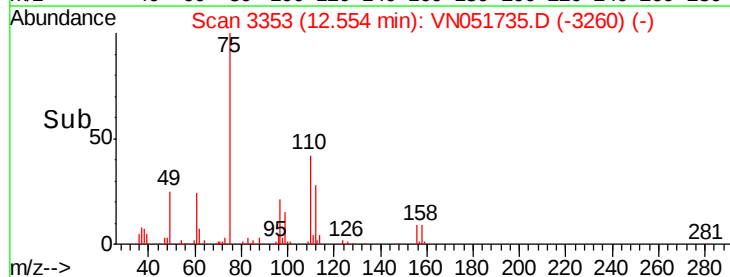
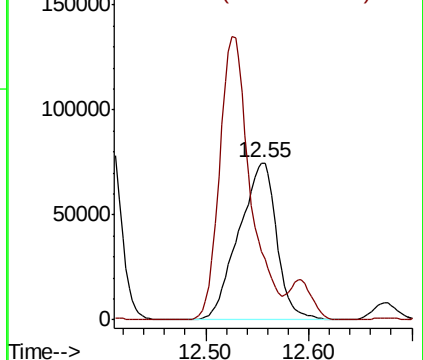
75 100

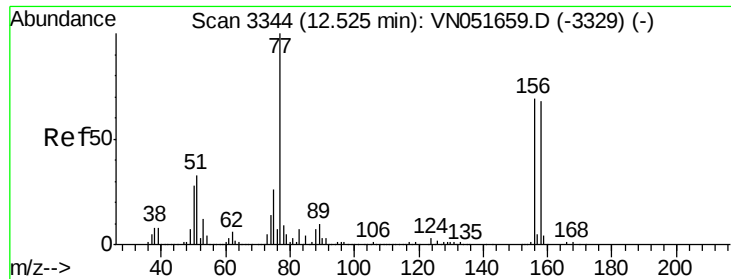
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051735.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051735.D (-3260) (-)





#77

Bromobenzene

Concen: 19.373 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

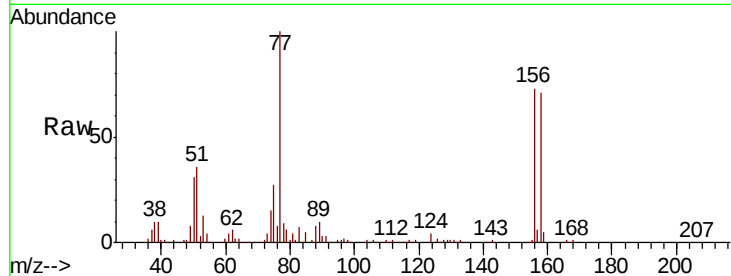
Tot Ion:156 Resp: 171793

Ion Ratio Lower Upper

156 100

77 163.0 83.2 249.4

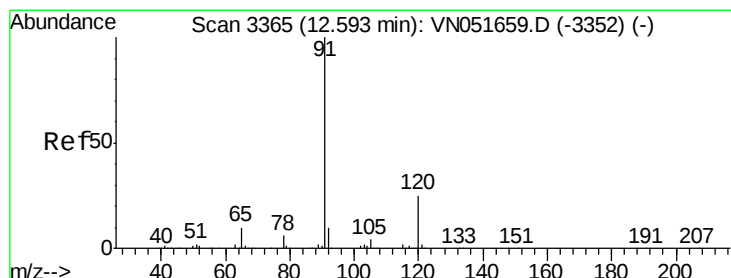
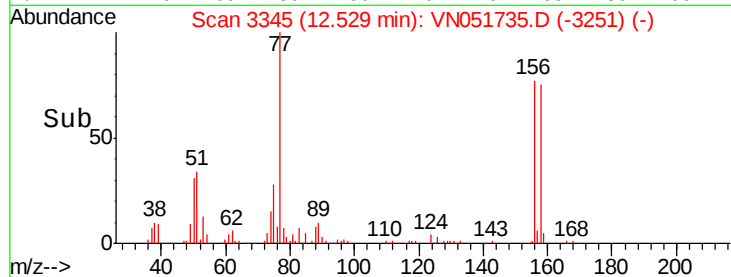
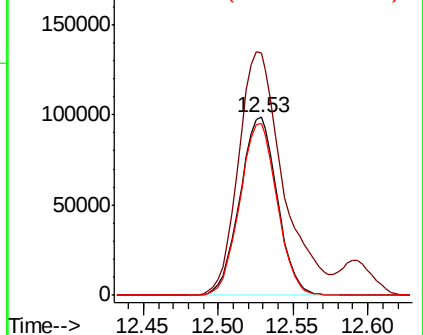
158 96.1 49.0 147.2



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: 19.490 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051735.D

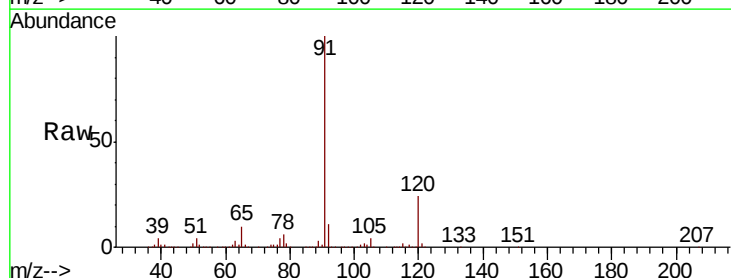
Acq: 8 Oct 2018 14:59

Tgt Ion: 91 Resp: 770967

Ion Ratio Lower Upper

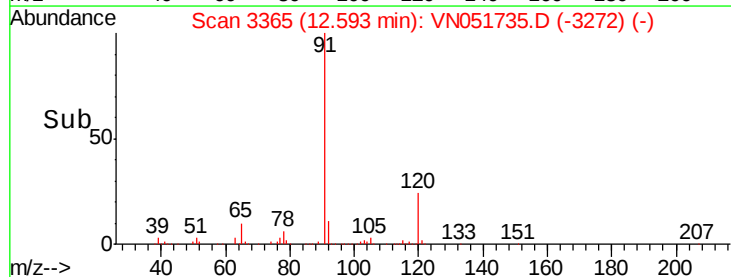
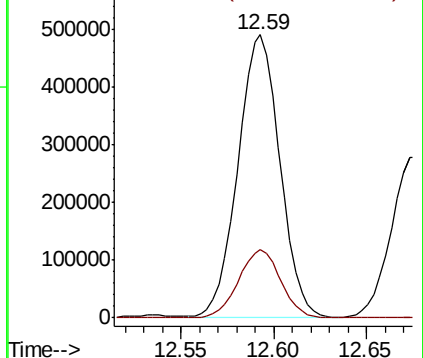
91 100

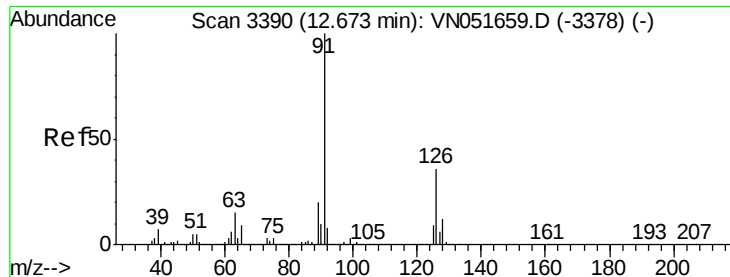
120 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.744 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

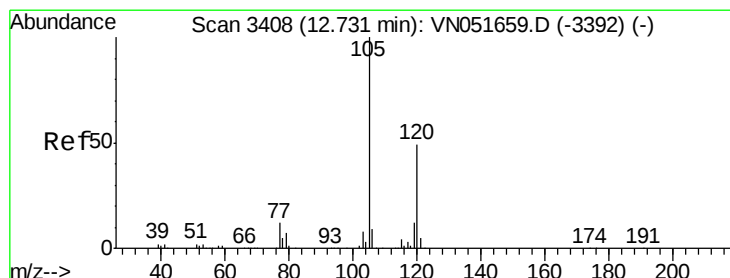
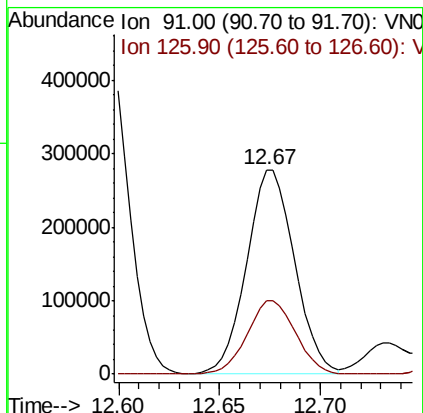
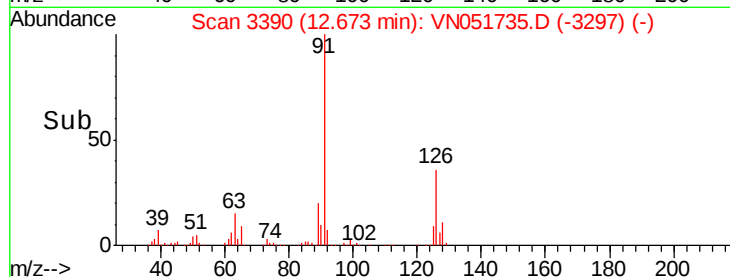
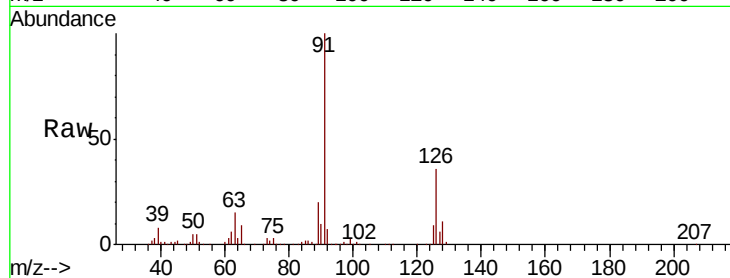
VN1008MBSD01

Tot Ion: 91 Resp: 460275

Ion Ratio Lower Upper

91 100

126 36.6 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 19.661 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051735.D

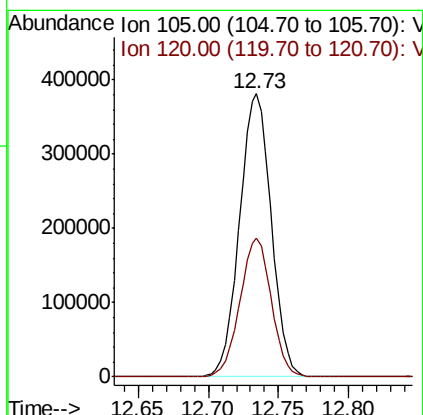
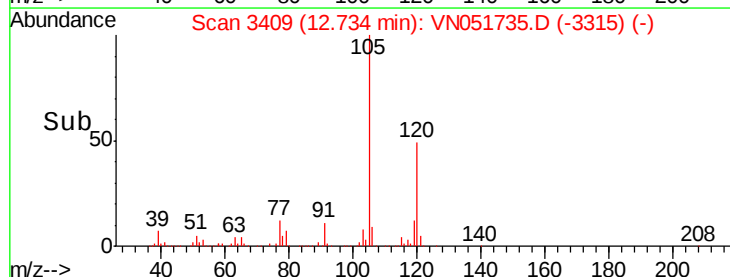
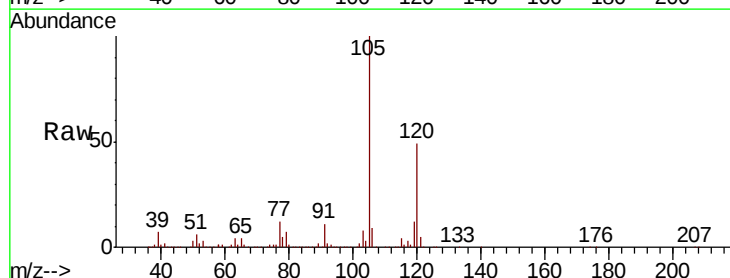
Acq: 8 Oct 2018 14:59

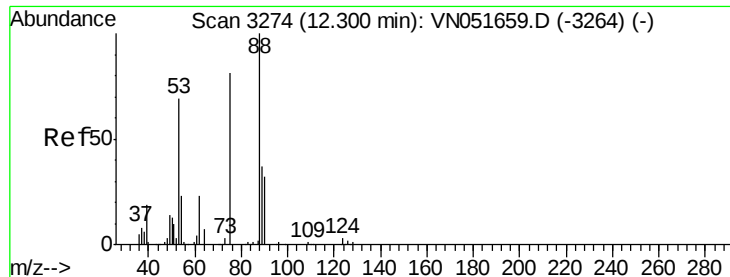
Tgt Ion: 105 Resp: 600907

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.297 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

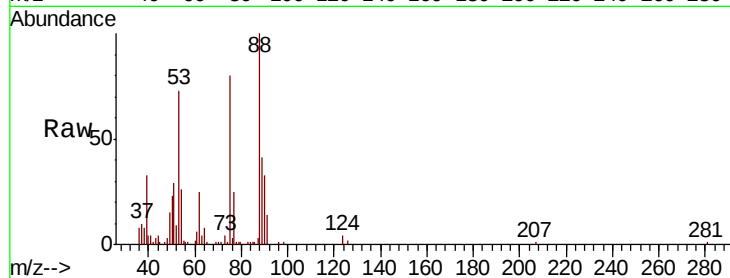
Tot Ion: 75 Resp: 40032

Ion Ratio Lower Upper

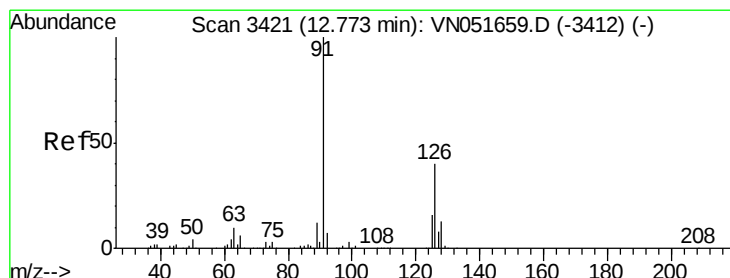
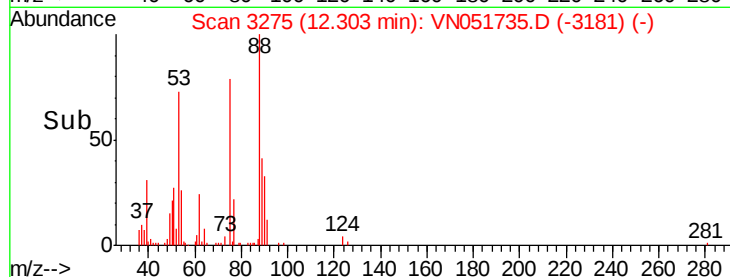
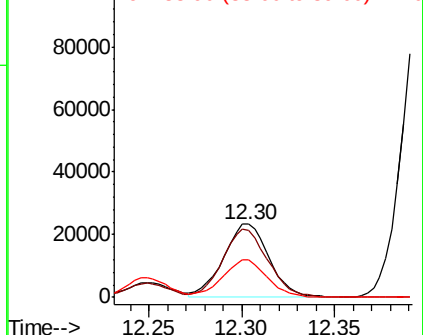
75 100

53 92.3 68.6 102.8

89 50.2 39.4 59.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 18.929 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051735.D

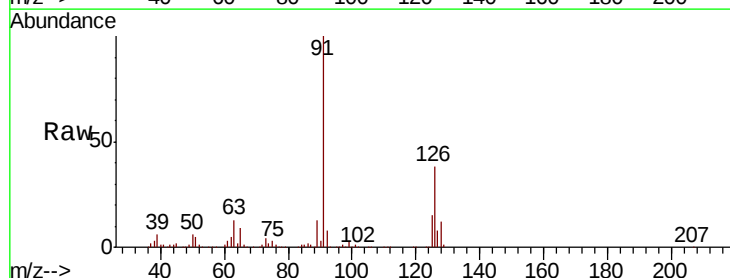
Acq: 8 Oct 2018 14:59

Tgt Ion: 91 Resp: 443301

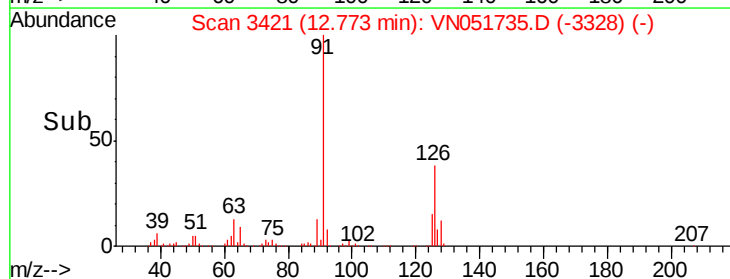
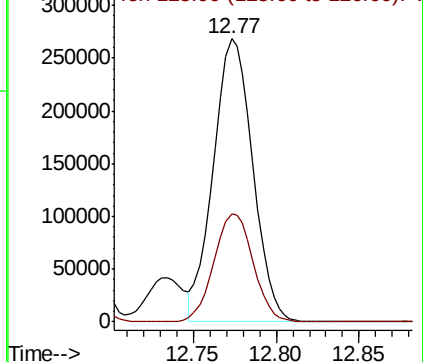
Ion Ratio Lower Upper

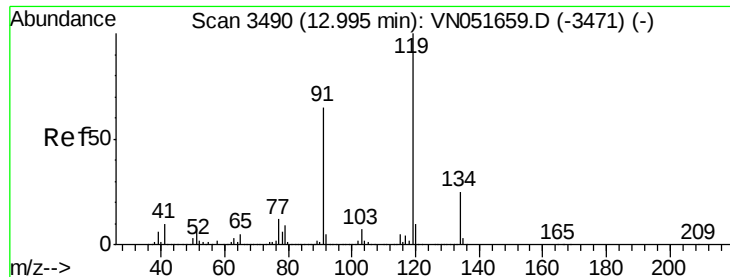
91 100

126 38.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

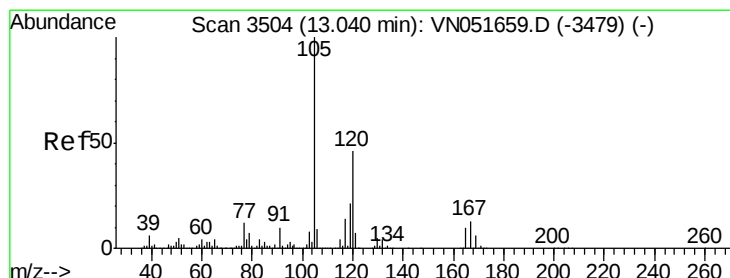
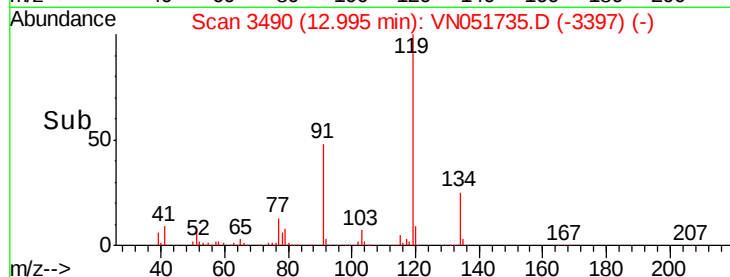
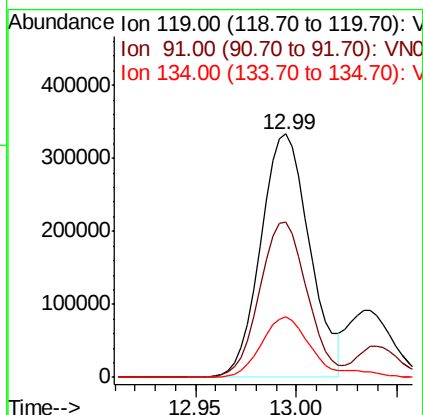
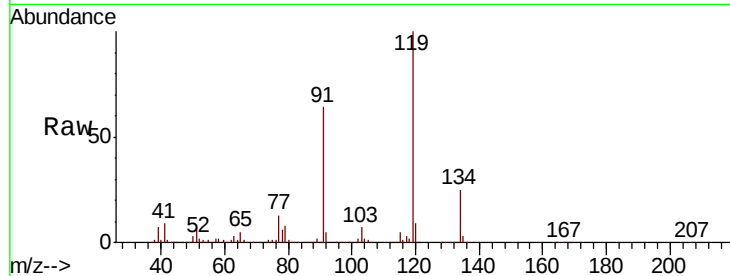




#83
tert-Butylbenzene
Concen: 20.630 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

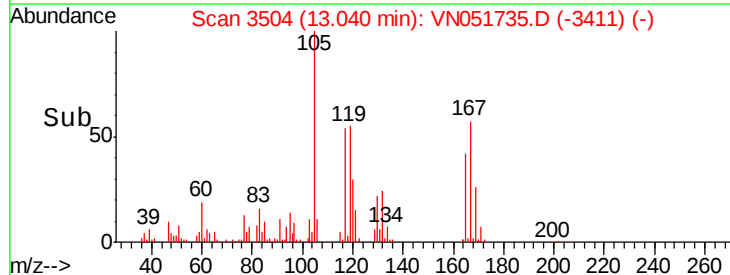
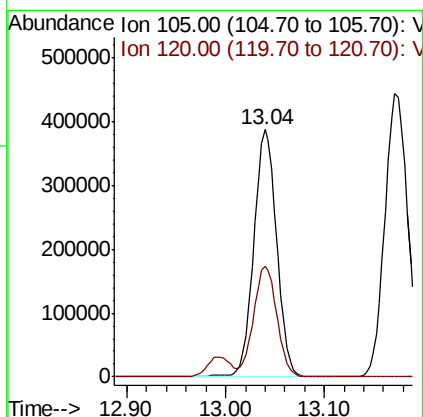
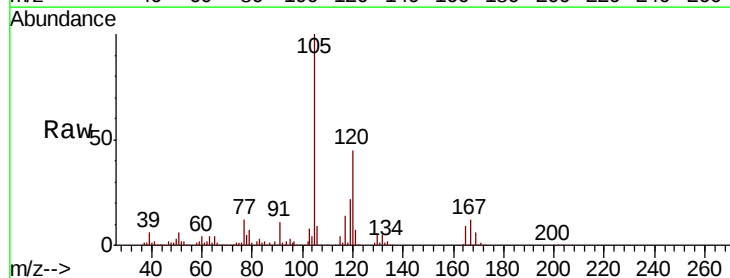
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

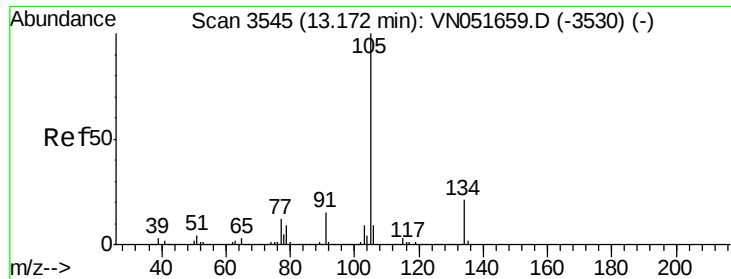
Tot Ion:119 Resp: 564965
Ion Ratio Lower Upper
119 100
91 62.3 32.1 96.5
134 26.1 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 20.153 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion:105 Resp: 616965
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 19.750 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleID :

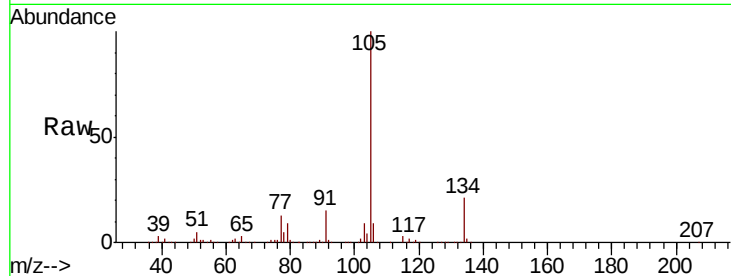
VN1008MBSD01

Tot Ion:105 Resp: 715457

Ion Ratio Lower Upper

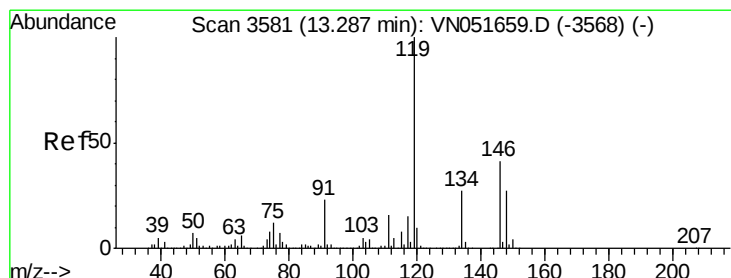
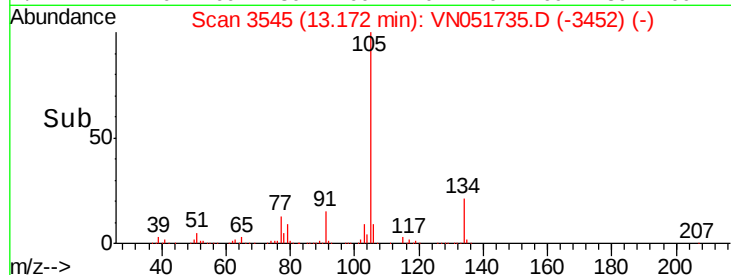
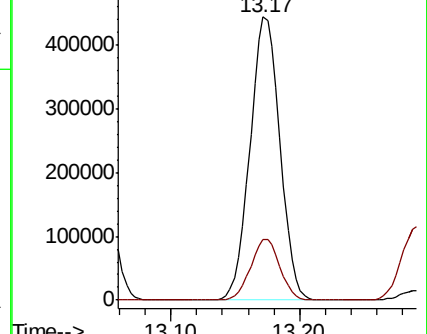
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.792 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

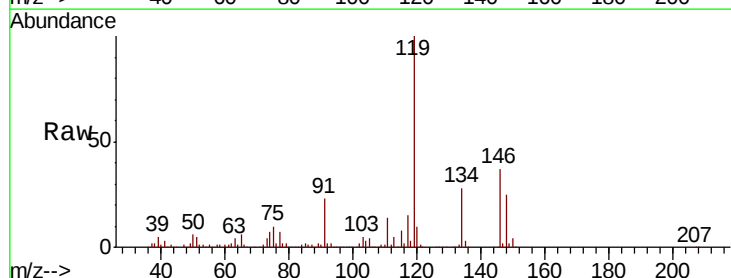
Tgt Ion:119 Resp: 635598

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

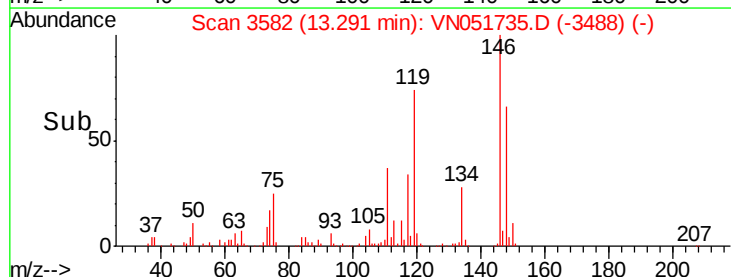
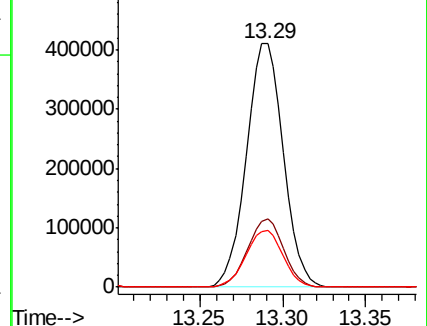
91 23.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.016 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

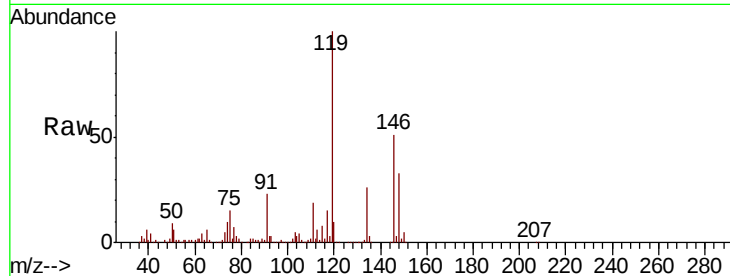
Tot Ion:146 Resp: 309284

Ion Ratio Lower Upper

146 100

111 38.1 19.3 57.9

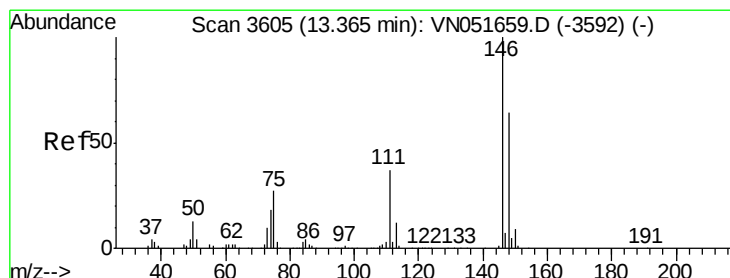
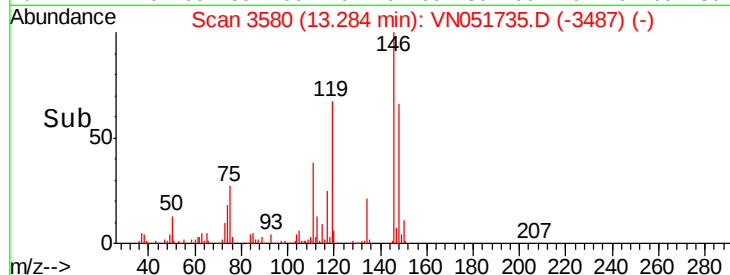
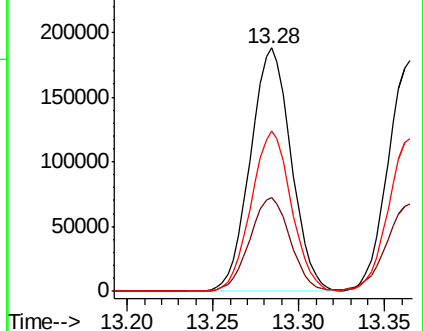
148 64.8 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.683 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

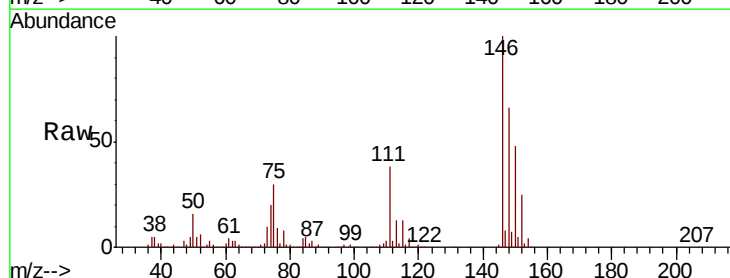
Tgt Ion:146 Resp: 299363

Ion Ratio Lower Upper

146 100

111 38.8 18.6 55.8

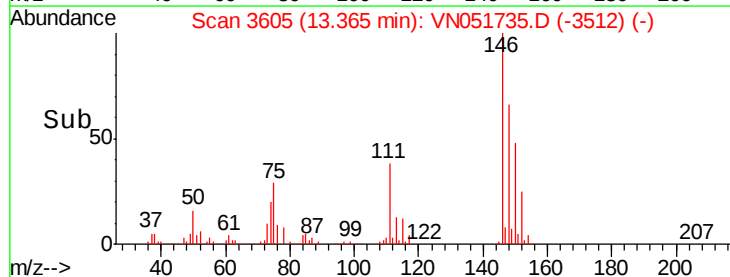
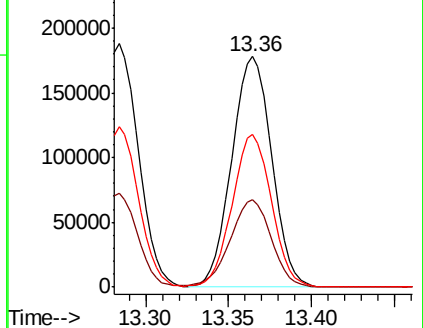
148 64.8 32.3 96.8

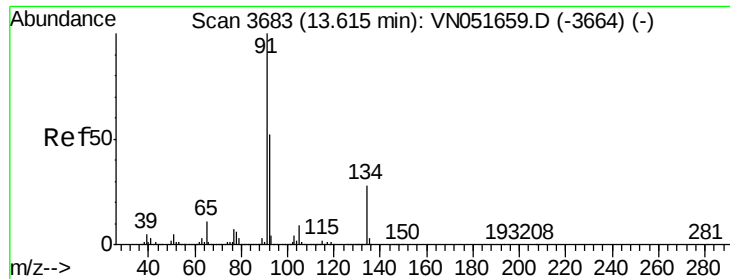


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.060 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

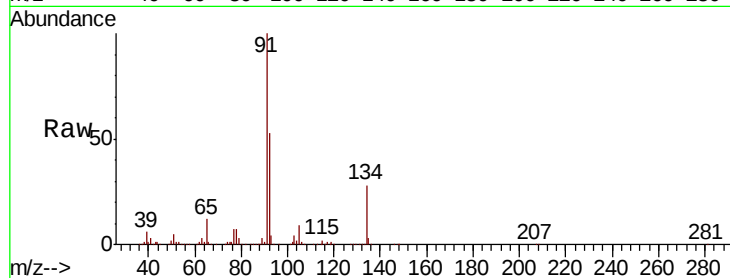
Tot Ion: 91 Resp: 483960

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

134 28.1 14.2 42.6

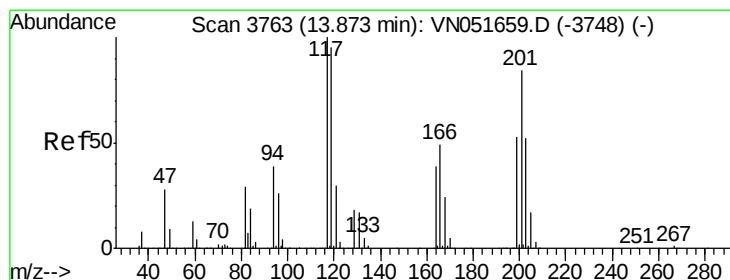
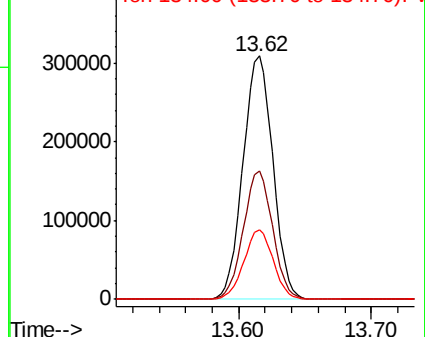
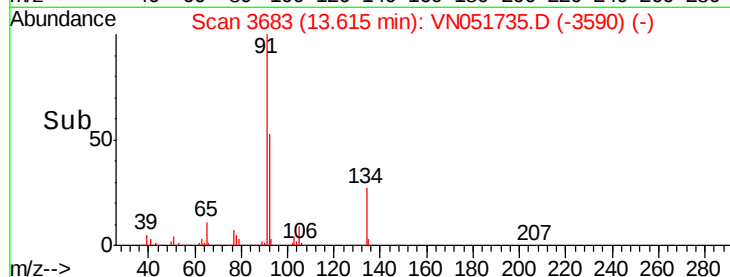


Abundance

Ion 91.00 (90.70 to 91.70): VN051735.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN051735.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN051735.D (-3590) (-)



#90

Hexachloroethane

Concen: 18.438 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051735.D

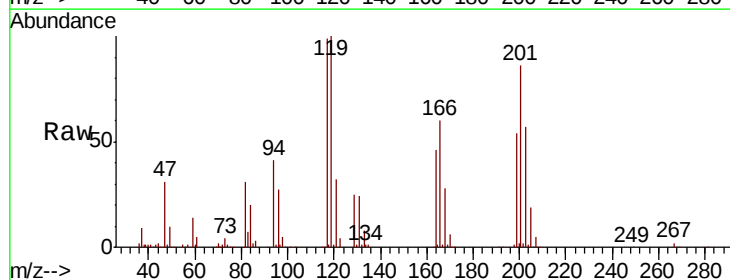
Acq: 8 Oct 2018 14:59

Tgt Ion: 117 Resp: 118136

Ion Ratio Lower Upper

117 100

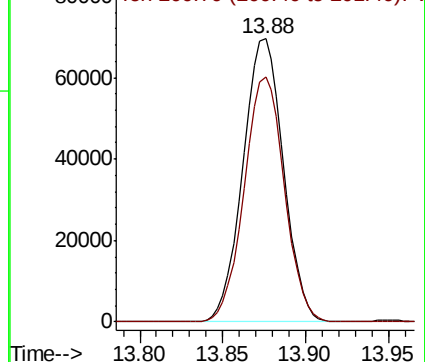
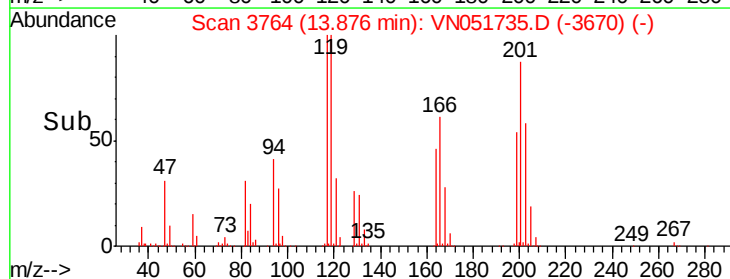
201 86.1 42.4 127.3

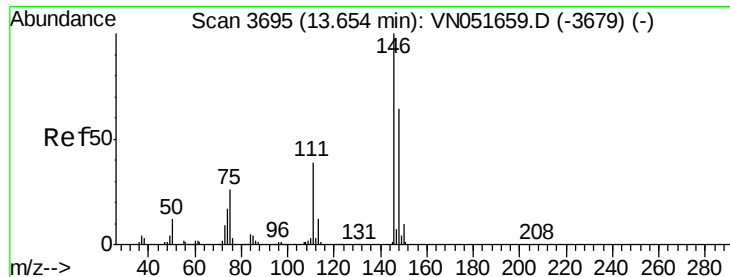


Abundance

Ion 116.80 (116.50 to 117.50): VN051735.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051735.D (-3670) (-)

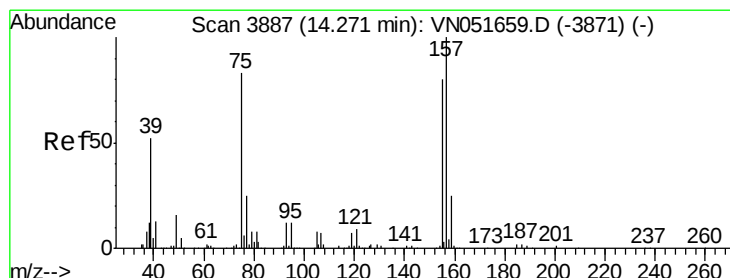
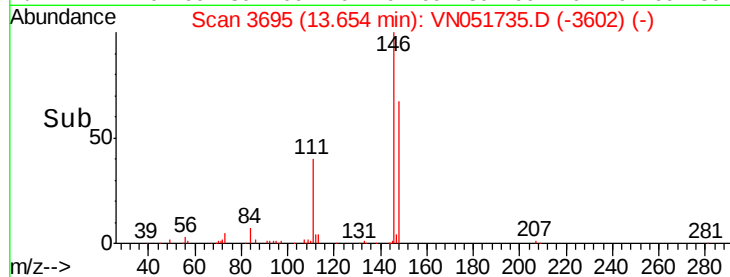
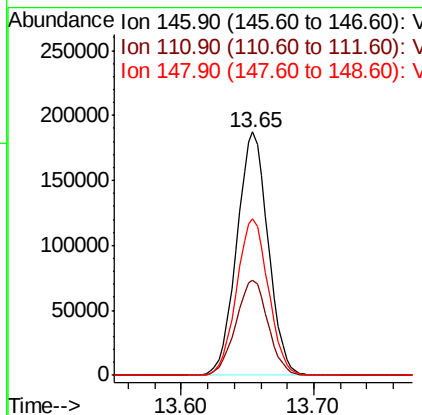
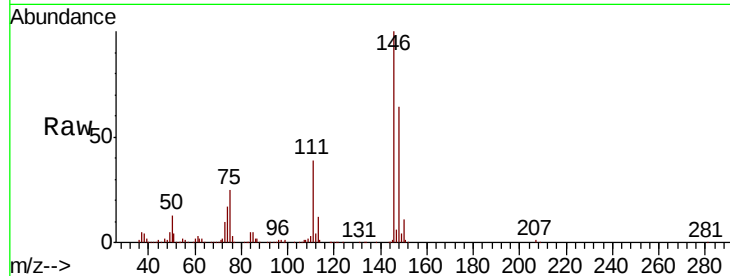




#91
 1,2-Dichlorobenzene
 Concen: 19.947 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

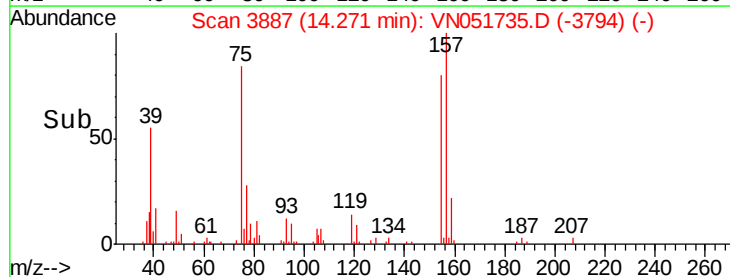
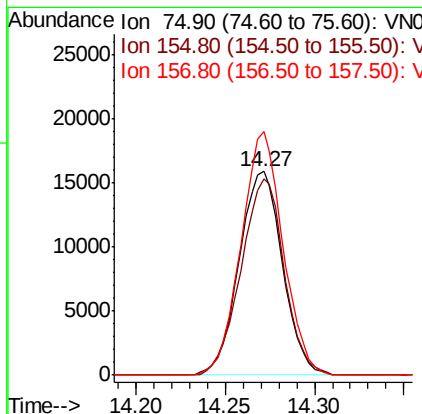
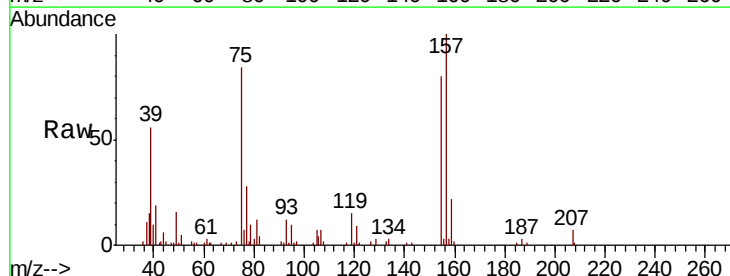
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

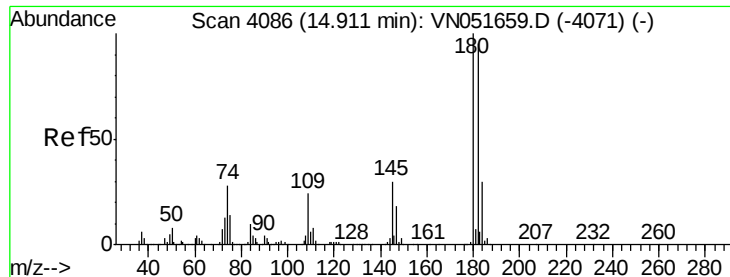
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	65.2	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.134 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	47.6	142.9
157	115.4	61.7	185.1

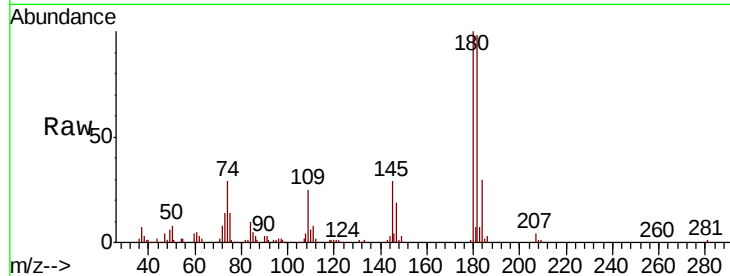




#93
 1,2,4-Trichlorobenzene
 Concen: 18.845 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.7	143.1
145	28.5	15.3	45.9

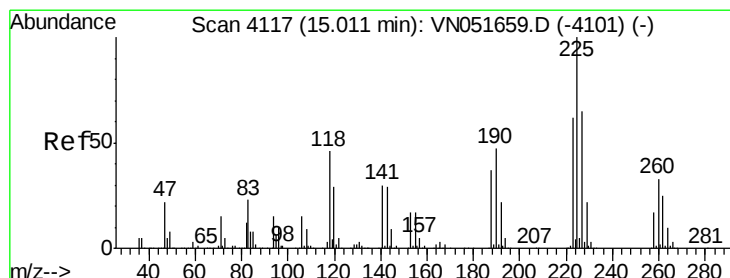
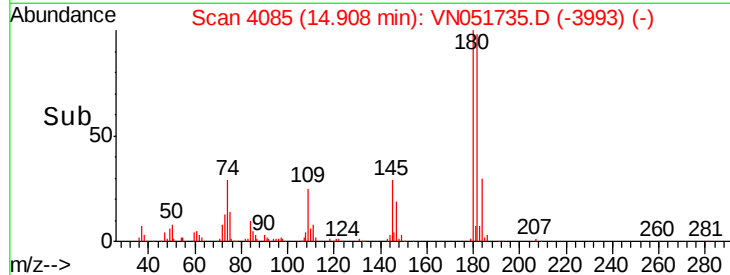
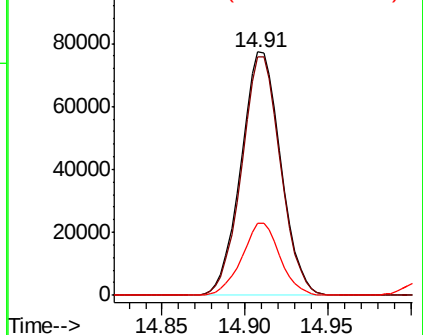


Abundance

Ion 179.80 (179.50 to 180.50): V

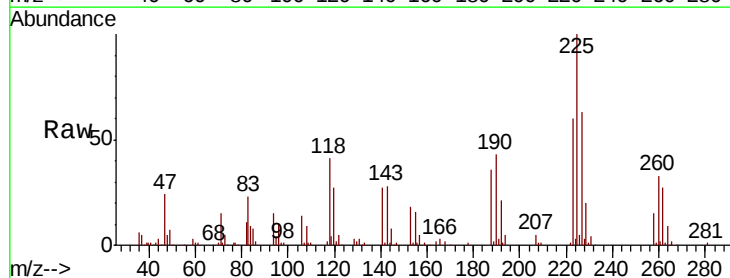
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.952 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	64.8	31.7	95.1

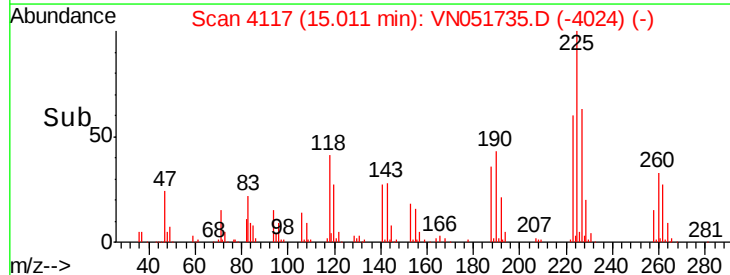
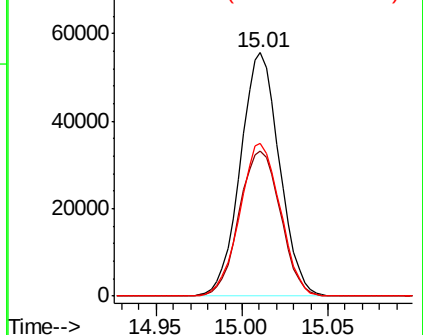


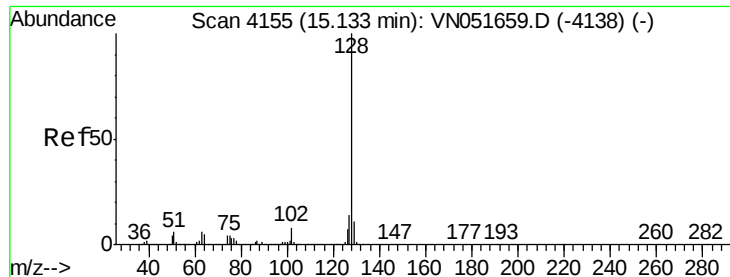
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.466 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

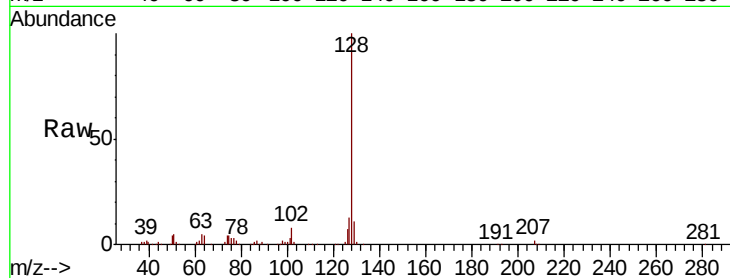
Tot Ion:128 Resp: 287331

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

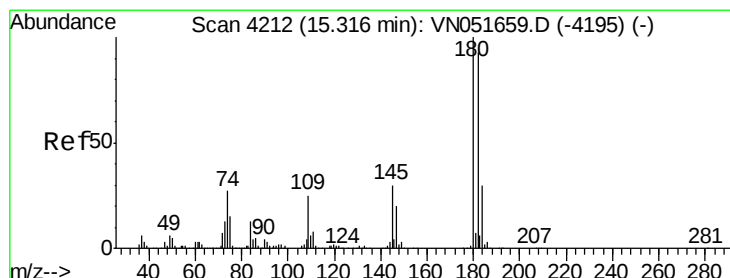
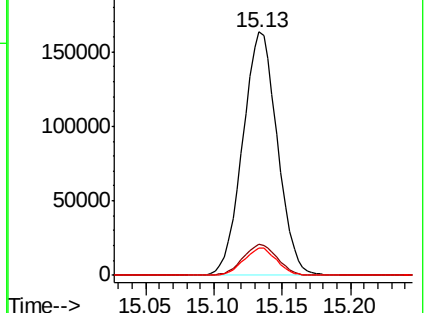
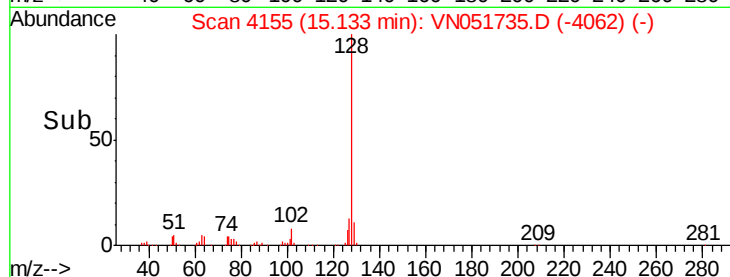
129 10.7 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.003 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

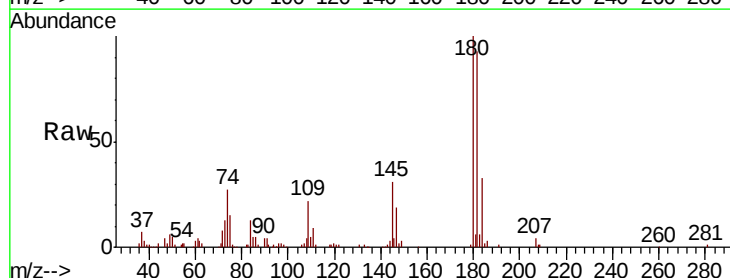
Tgt Ion:180 Resp: 134652

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 31.3 15.6 46.8



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

