

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051894.D
 Acq On : 16 Oct 2018 14:27
 Operator : MD\SY
 Sample : VN1016MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Quant Time: Oct 17 02:25:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	872964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1284585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1127096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	491338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	390718	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	388671	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.09	98	1433589	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	450522	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	108609	22.412	ug/l	98
3) Chloromethane	2.06	50	103541	17.640	ug/l	96
4) Vinyl Chloride	2.19	62	154399	17.539	ug/l	97
5) Bromomethane	2.57	94	117534	14.798	ug/l	98
6) Chloroethane	2.71	64	115470	17.864	ug/l	97
7) Trichlorofluoromethane	3.02	101	234200	17.915	ug/l	100
8) Diethyl Ether	3.41	74	70420	19.533	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144490	20.728	ug/l	98
10) Methyl Iodide	3.95	142	156635	17.052	ug/l	96
11) Tert butyl alcohol	4.79	59	38333	62.468	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	127961	20.423	ug/l	89
13) Acrolein	3.61	56	32353	64.090	ug/l	99
14) Allyl chloride	4.33	41	141289	17.960	ug/l #	74
15) Acrylonitrile	4.99	53	161063	80.634	ug/l	98
16) Acetone	3.82	43	128515	71.418	ug/l	96
17) Carbon Disulfide	4.06	76	281012	16.567	ug/l	99
18) Methyl Acetate	4.33	43	82519	16.753	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	352878	17.890	ug/l #	90
20) Methylene Chloride	4.55	84	145769	19.574	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	143701	19.532	ug/l	89
22) Diisopropyl ether	5.95	45	320651	18.444	ug/l #	86
23) Vinyl Acetate	5.90	43	1061792	83.486	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	229264	19.196	ug/l	95
25) 2-Butanone	6.84	43	188688	74.203	ug/l	92
26) 2,2-Dichloropropane	6.83	77	227208	18.789	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	166094	19.585	ug/l	88
28) Bromochloromethane	7.20	49	92467	18.453	ug/l #	67
29) Tetrahydrofuran	7.21	42	109016	71.941	ug/l #	76
30) Chloroform	7.37	83	279651	19.583	ug/l	100
31) Cyclohexane	7.66	56	202574	18.808	ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	259508	19.356	ug/l	97
36) 1,1-Dichloropropene	7.79	75	191657	18.429	ug/l	93
37) Ethyl Acetate	6.93	43	80121	15.005	ug/l #	94
38) Carbon Tetrachloride	7.77	117	228550	18.959	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248744	19.470	ug/l	88
40) Benzene	8.04	78	588186	19.606	ug/l	99
41) Methacrylonitrile	7.17	41	43741	16.992	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	186841	18.998	ug/l	100
43) Isopropyl Acetate	8.17	43	177766	16.303	ug/l #	87
44) Trichloroethene	8.84	130	179805	19.687	ug/l	99
45) 1,2-Dichloropropane	9.12	63	136724	19.383	ug/l	98
46) Dibromomethane	9.21	93	99704	18.419	ug/l	99
47) Bromodichloromethane	9.40	83	202022	18.679	ug/l	99
48) Methyl methacrylate	9.20	41	73269	15.404	ug/l #	75
49) 1,4-Dioxane	9.21	88	25680	310.404	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	420129	75.800	ug/l	97
52) Toluene	10.16	92	393037	19.511	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	181390	16.740	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	215874	18.146	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	139454	18.403	ug/l	96
56) Ethyl methacrylate	10.43	69	146992	16.471	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	212492	18.049	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	313058	80.562	ug/l #	88
59) 2-Hexanone	10.75	43	269342	69.188	ug/l	97
60) Dibromochloromethane	10.90	129	152958	17.003	ug/l	98
61) 1,2-Dibromoethane	11.00	107	139657	17.894	ug/l	99
64) Tetrachloroethene	10.63	164	181532	21.000	ug/l	98
65) Chlorobenzene	11.43	112	448910	19.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167058	19.229	ug/l	99
67) Ethyl Benzene	11.51	91	742758	19.684	ug/l	96
68) m/p-Xylenes	11.62	106	606040	39.760	ug/l	94
69) o-Xylene	11.95	106	293843	19.849	ug/l	94
70) Styrene	11.96	104	435010	19.048	ug/l	99
71) Bromoform	12.13	173	89733	15.755	ug/l #	98
73) Isopropylbenzene	12.25	105	783117	20.685	ug/l	99
74) N-amyl acetate	12.07	43	120023	15.985	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	150561	18.105	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171812	28.147	ug/l #	100
77) Bromobenzene	12.53	156	192268	20.367	ug/l	85
78) n-propylbenzene	12.59	91	819082	20.659	ug/l	96
79) 2-Chlorotoluene	12.67	91	490980	20.558	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	640823	20.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30463	14.277	ug/l	92
82) 4-Chlorotoluene	12.77	91	470749	20.512	ug/l	96
83) tert-Butylbenzene	12.99	119	588184	20.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	650595	21.180	ug/l	100
85) sec-Butylbenzene	13.17	105	762084	20.559	ug/l	99
86) p-Isopropyltoluene	13.29	119	673677	20.666	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	325722	20.175	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	305967	19.552	ug/l	100
89) n-Butylbenzene	13.61	91	485671	20.040	ug/l	98
90) Hexachloroethane	13.87	117	104734	17.702	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	315607	20.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18151	14.826	ug/l	88

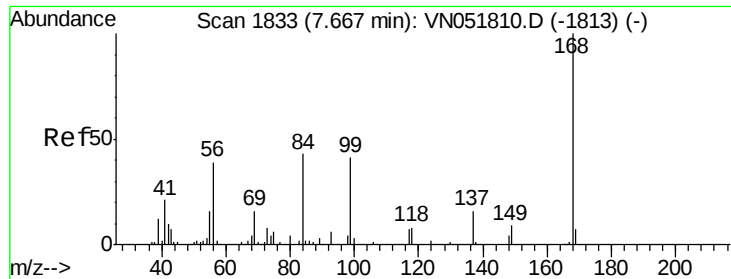
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111657	16.212	ug/l	99
94) Hexachlorobutadiene	15.01	225	101753	20.177	ug/l	100
95) Naphthalene	15.13	128	215109	15.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	115534	16.476	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

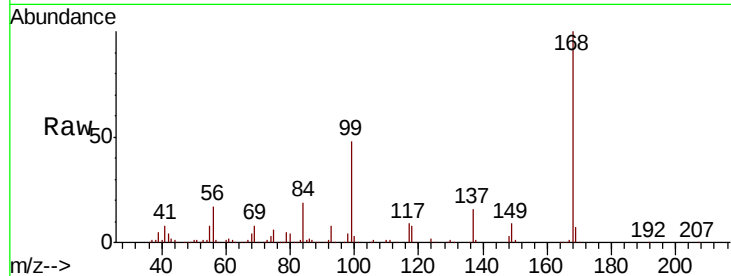
VN1016MBS01

Tgt Ion:168 Resp: 872964

Ion Ratio Lower Upper

168 100

99 47.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

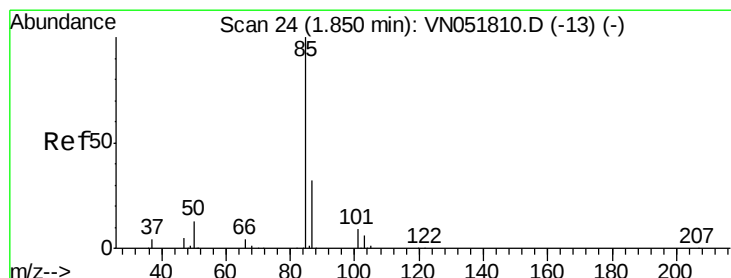
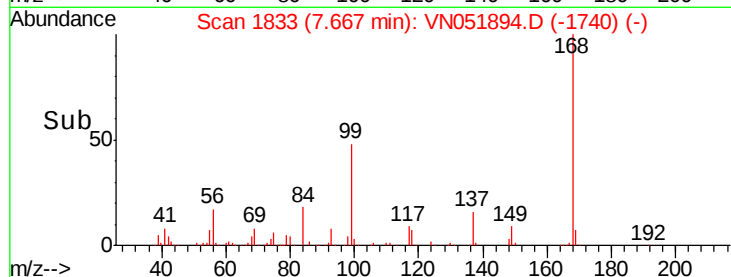
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.412 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051894.D

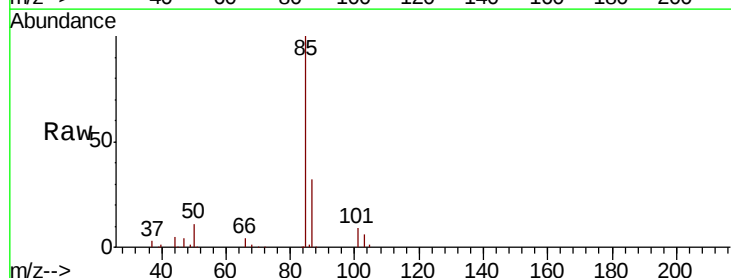
Acq: 16 Oct 2018 14:27

Tgt Ion: 85 Resp: 108609

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

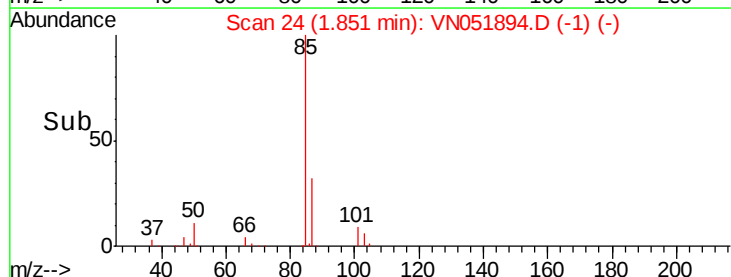
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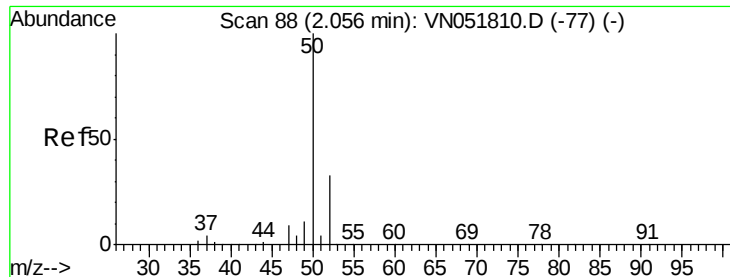
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.640 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

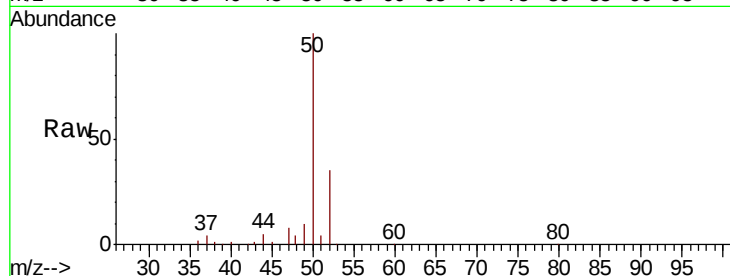
VN1016MBS01

Tgt Ion: 50 Resp: 103541

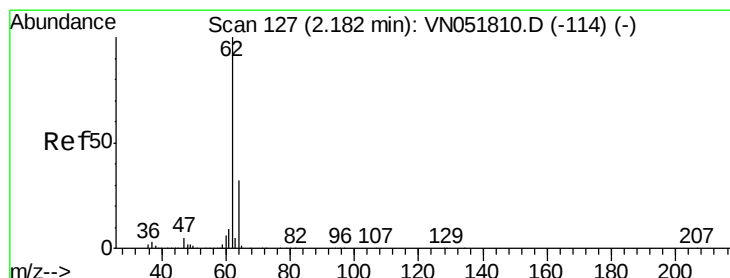
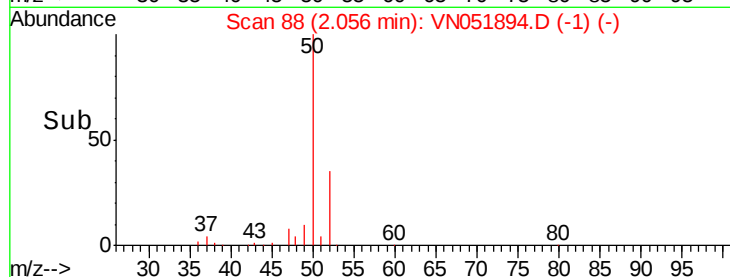
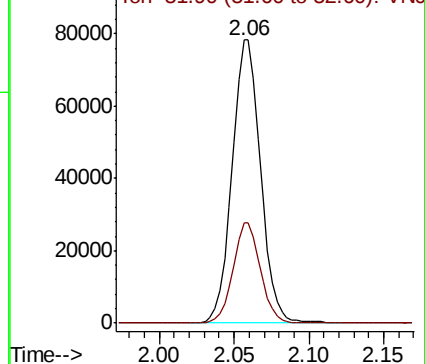
Ion Ratio Lower Upper

50 100

52 35.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.539 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051894.D

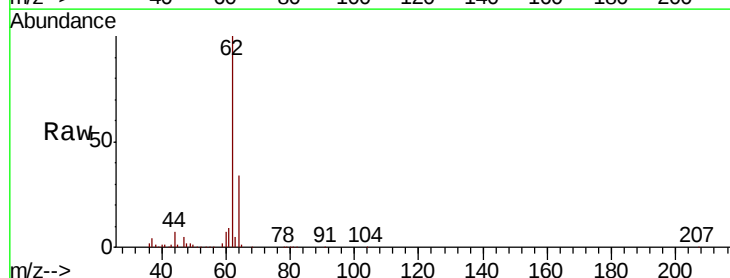
Acq: 16 Oct 2018 14:27

Tgt Ion: 62 Resp: 154399

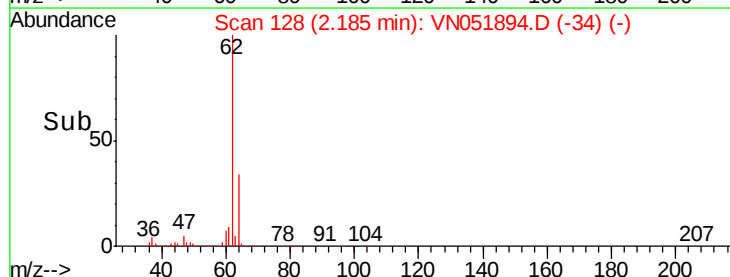
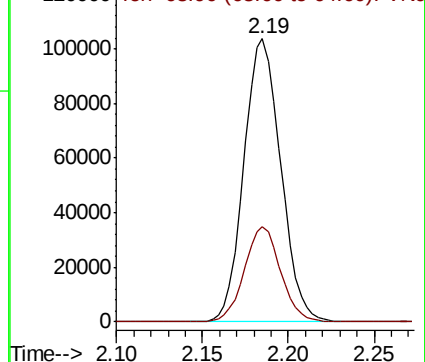
Ion Ratio Lower Upper

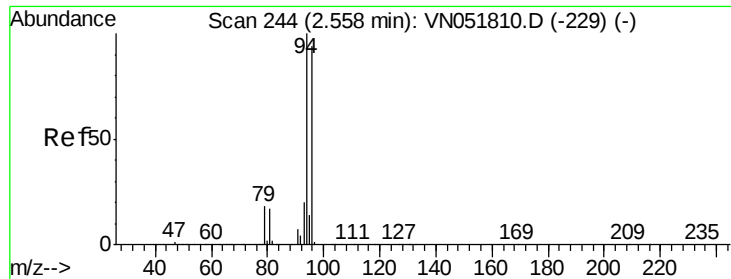
62 100

64 33.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 14.798 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

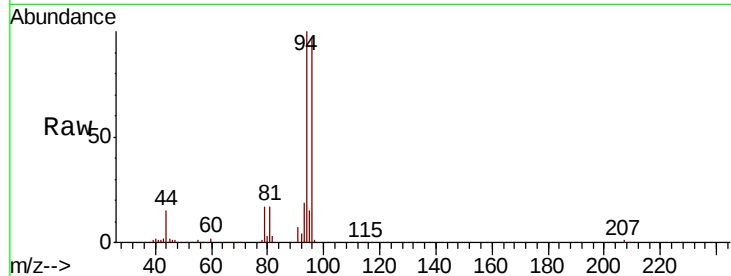
VN1016MBS01

Tgt Ion: 94 Resp: 117534

Ion Ratio Lower Upper

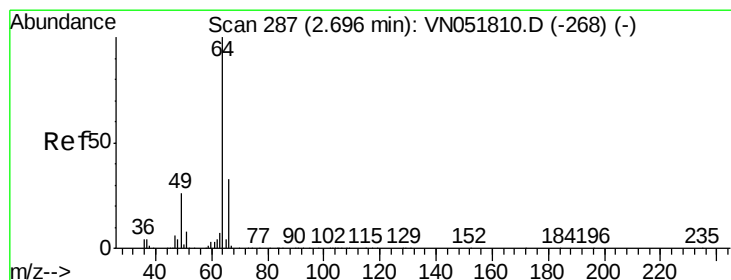
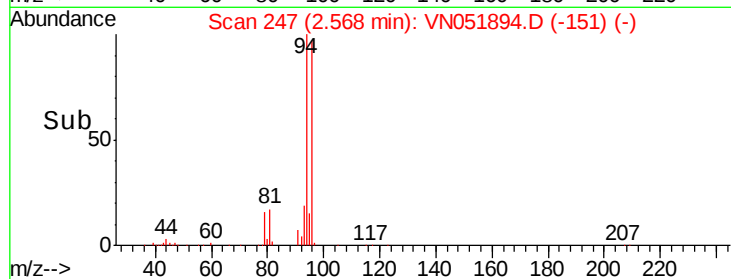
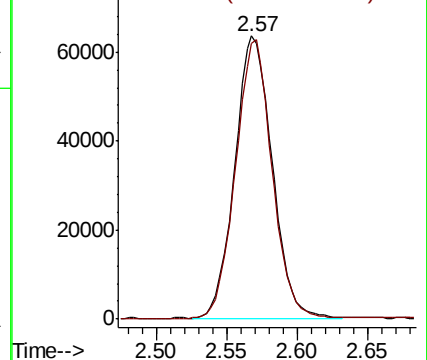
94 100

96 97.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.864 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051894.D

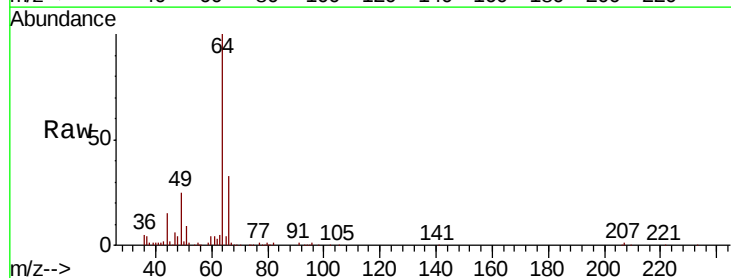
Acq: 16 Oct 2018 14:27

Tgt Ion: 64 Resp: 115470

Ion Ratio Lower Upper

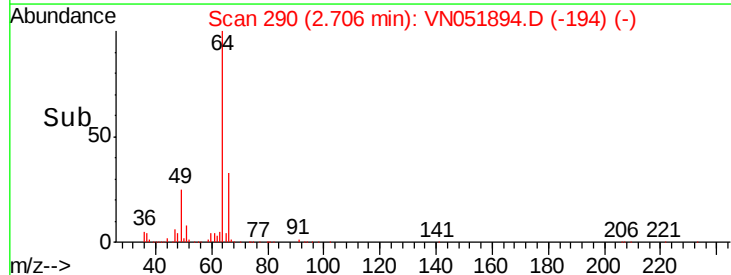
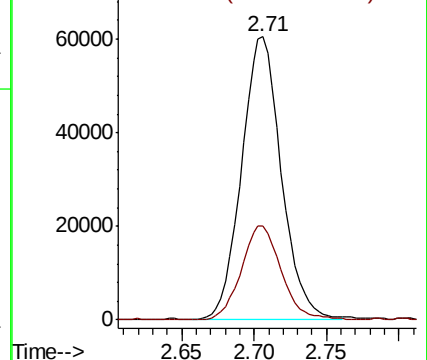
64 100

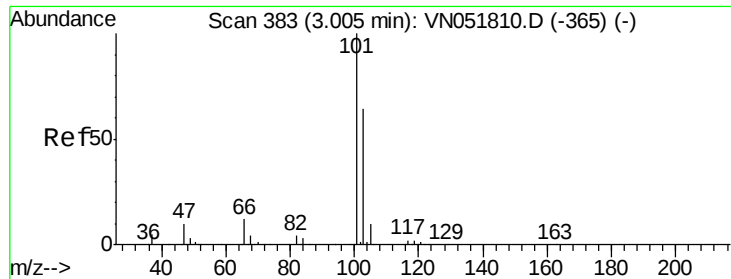
66 33.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



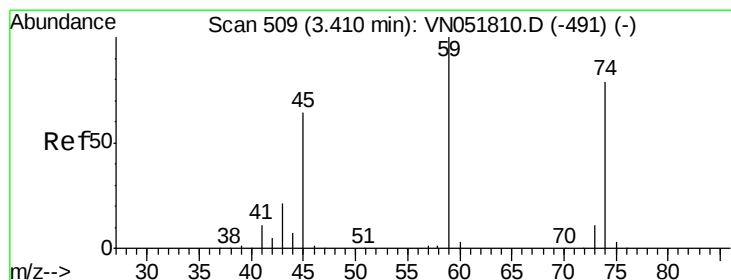
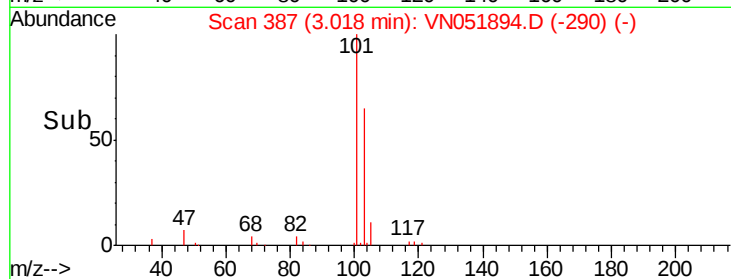
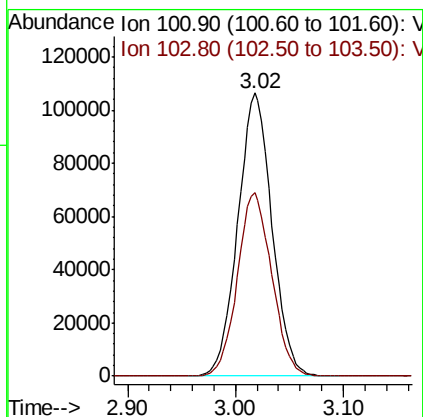
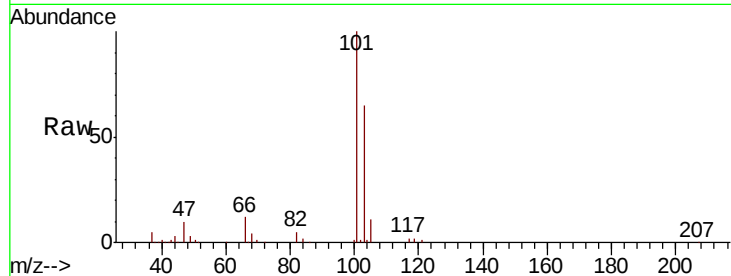


#7

Trichlorofluoromethane
 Concen: 17.915 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
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 VN1016MBS01

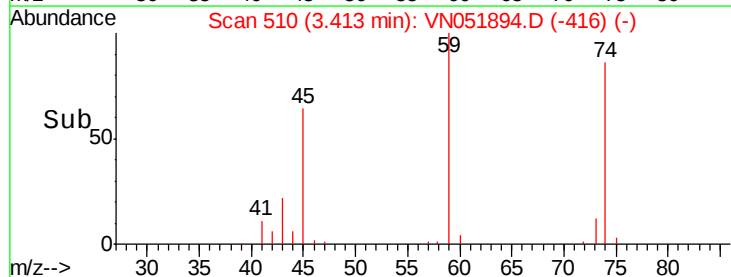
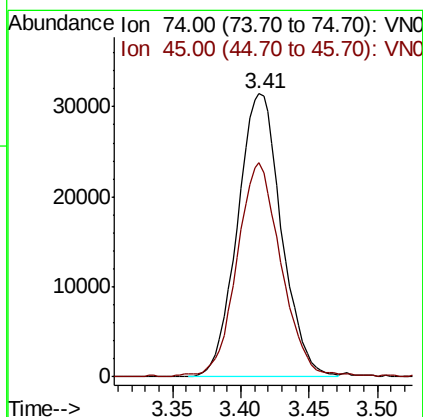
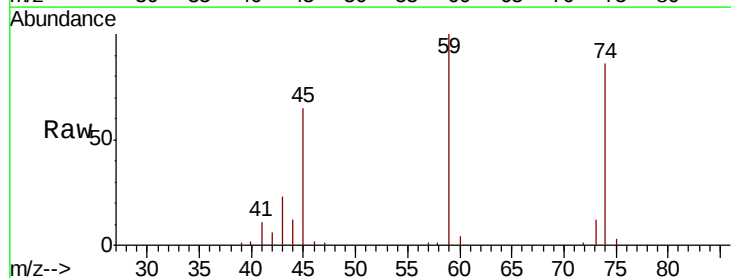
Tgt Ion:101 Resp: 234200
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

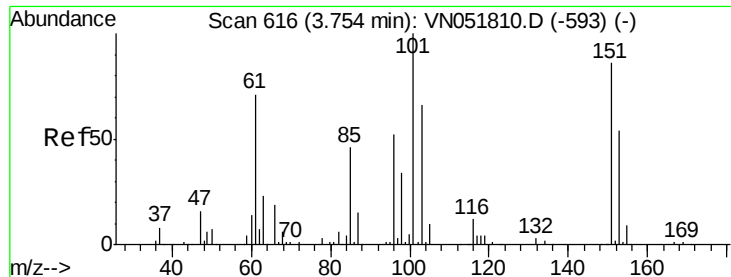


#8

Diethyl Ether
 Concen: 19.533 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 74 Resp: 70420
 Ion Ratio Lower Upper
 74 100
 45 76.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.728 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

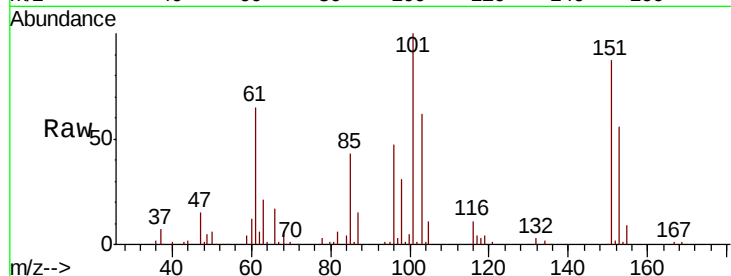
Tgt Ion:101 Resp: 144490

Ion Ratio Lower Upper

101 100

85 43.7 33.7 50.5

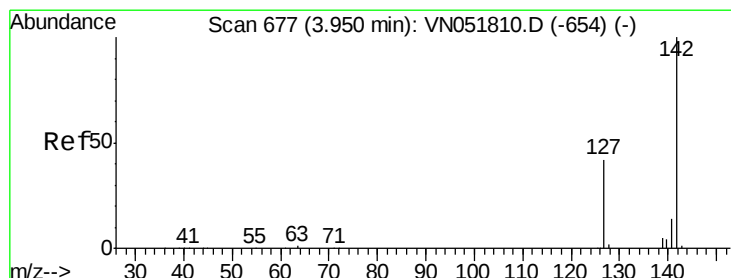
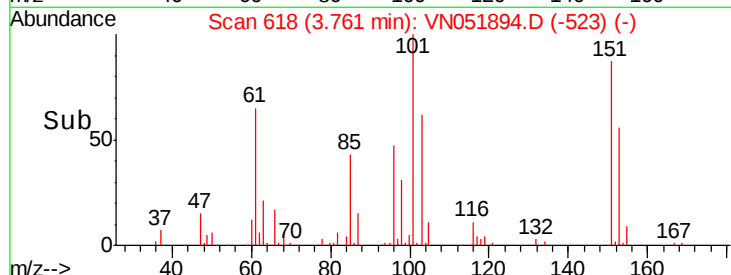
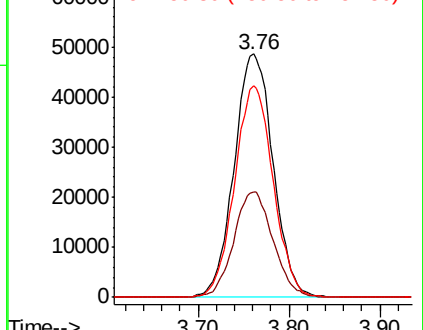
151 86.2 67.4 101.2



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: 17.052 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

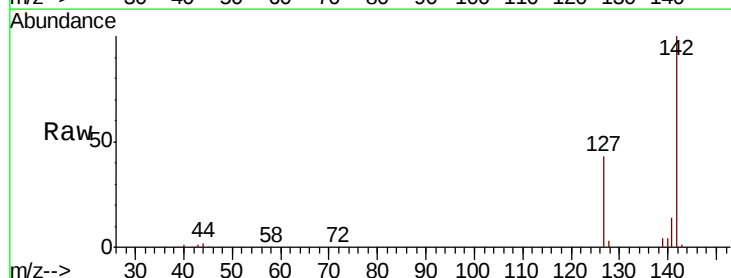
Tgt Ion:142 Resp: 156635

Ion Ratio Lower Upper

142 100

127 43.2 31.7 47.5

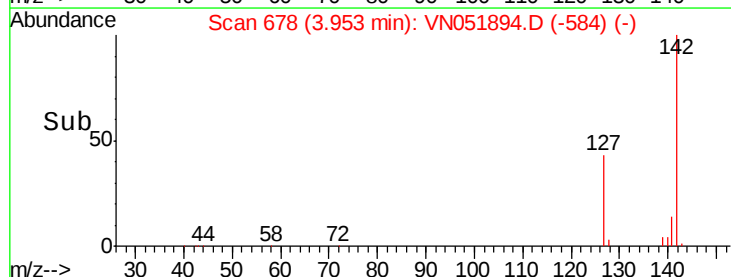
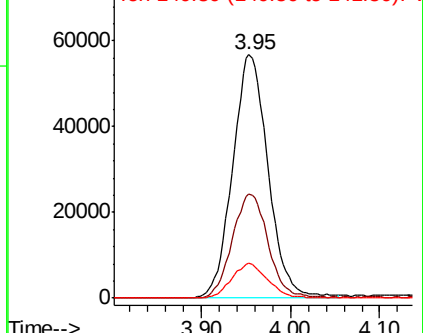
141 14.3 11.4 17.0

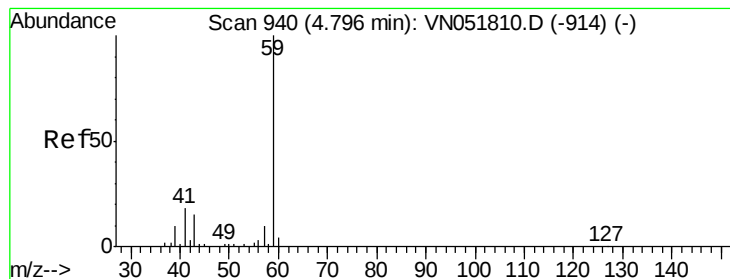


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



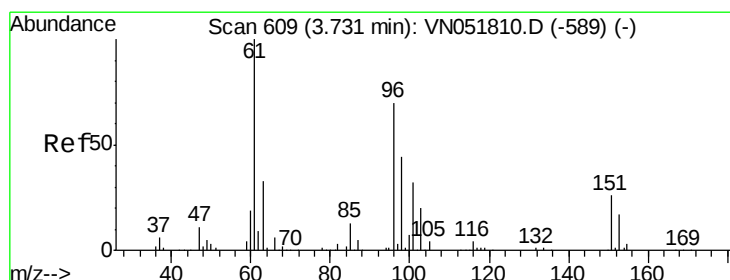
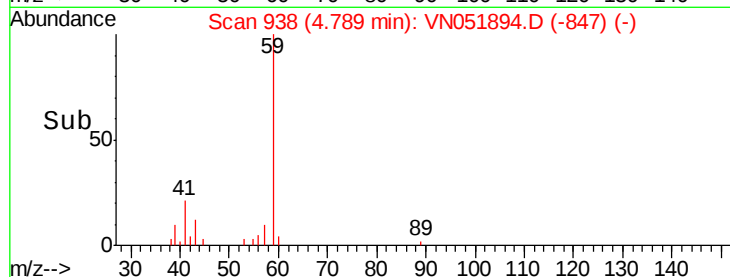
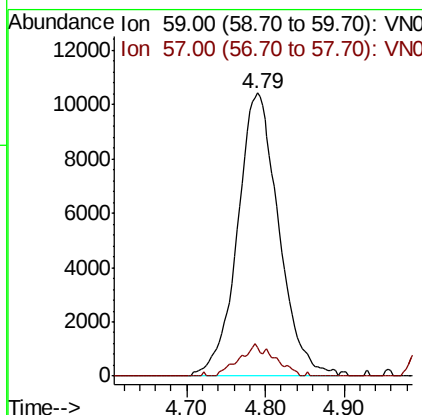
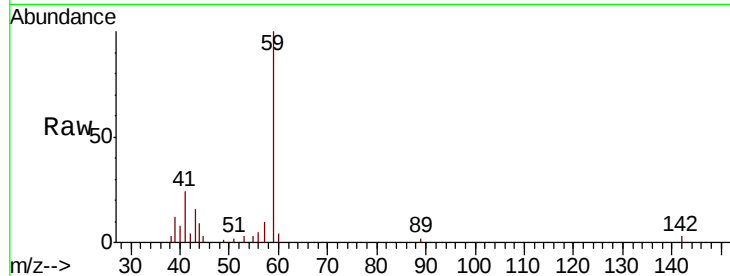


#11

Tert butyl alcohol
 Concen: 62.468 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

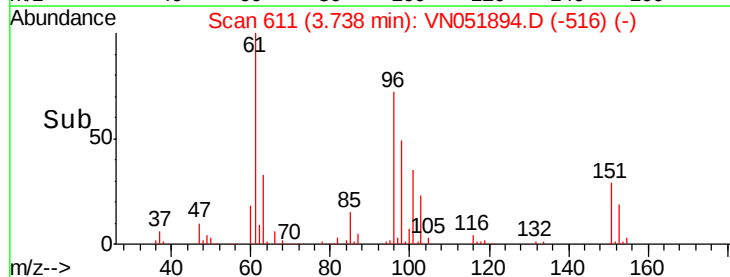
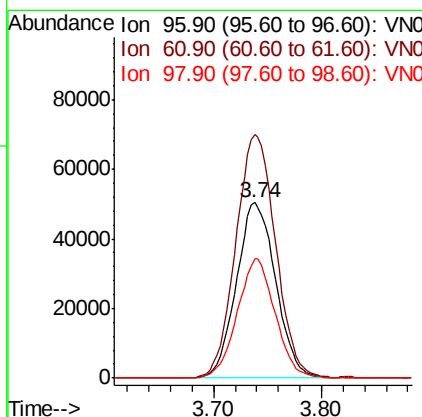
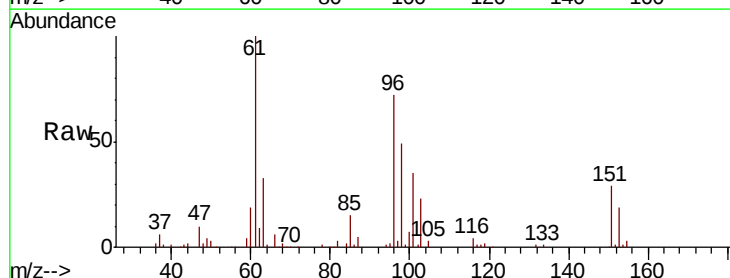
Tgt Ion: 59 Resp: 38333
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.3 12.5#

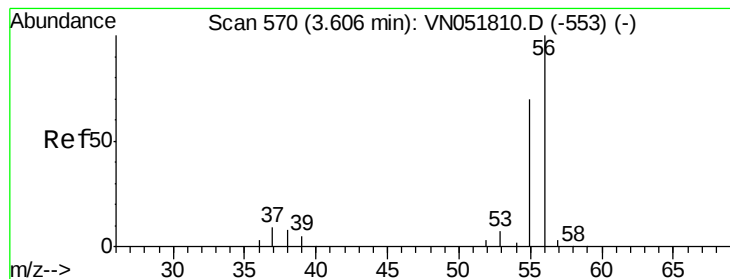


#12

1,1-Dichloroethene
 Concen: 20.423 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 96 Resp: 127961
 Ion Ratio Lower Upper
 96 100
 61 138.5 124.9 187.3
 98 67.8 51.1 76.7





#13

Acrolein

Concen: 64.090 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

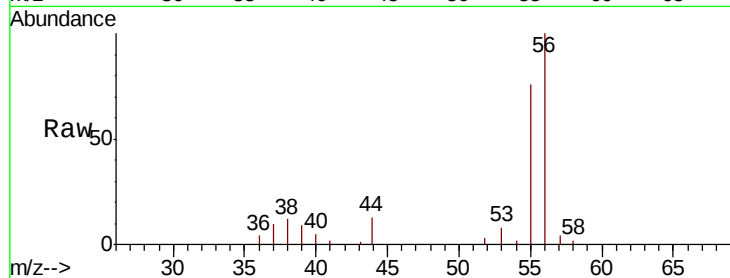
VN1016MBS01

Tgt Ion: 56 Resp: 32353

Ion Ratio Lower Upper

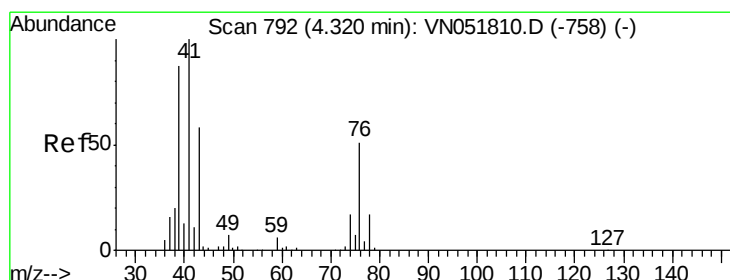
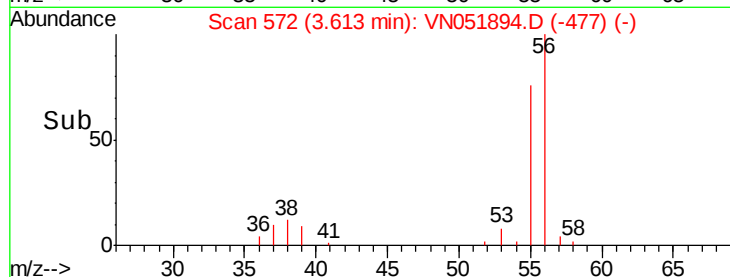
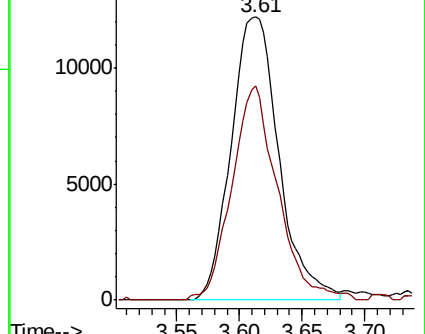
56 100

55 72.5 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.960 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

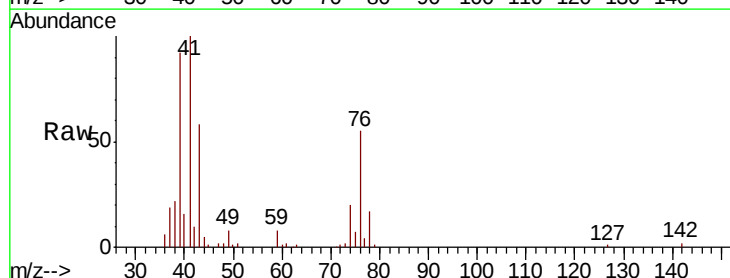
Tgt Ion: 41 Resp: 141289

Ion Ratio Lower Upper

41 100

39 84.8 50.2 75.2#

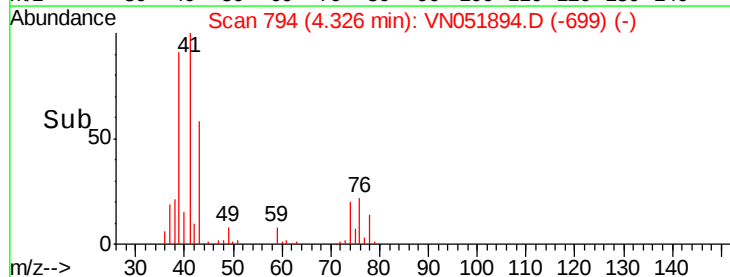
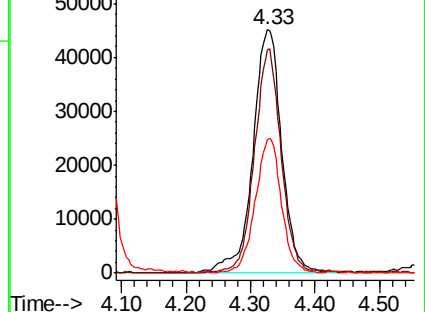
76 50.1 29.8 44.8#

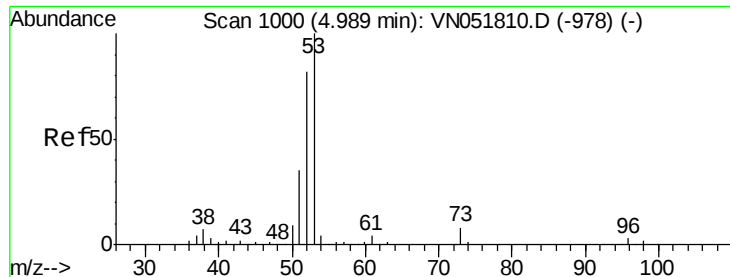


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 80.634 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

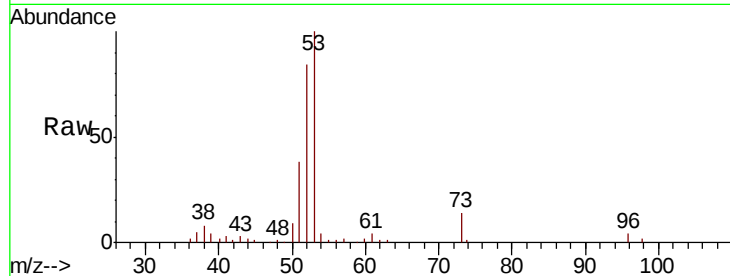
Tgt Ion: 53 Resp: 161063

Ion Ratio Lower Upper

53 100

52 81.5 65.9 98.9

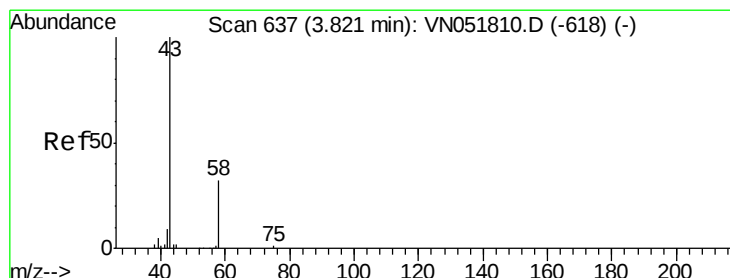
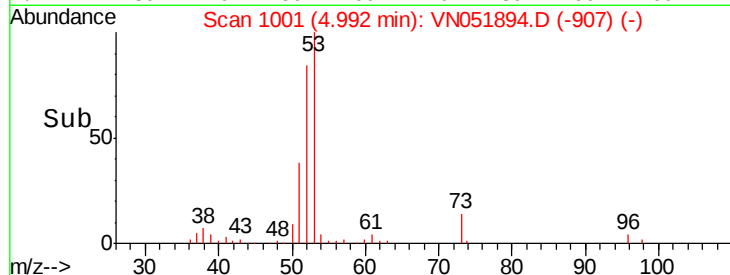
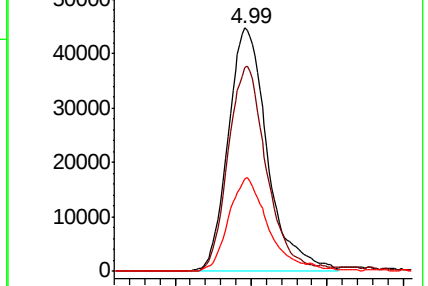
51 39.0 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN051810.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN051810.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN051810.D (-978) (-)



#16

Acetone

Concen: 71.418 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051894.D

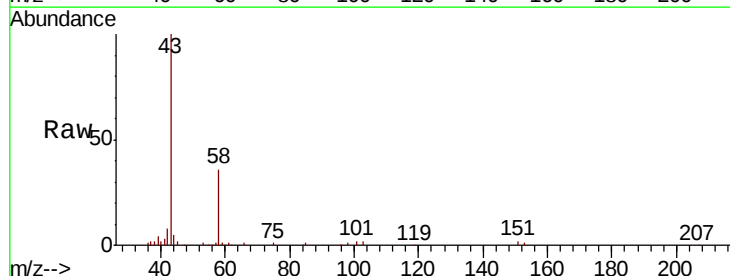
Acq: 16 Oct 2018 14:27

Tgt Ion: 43 Resp: 128515

Ion Ratio Lower Upper

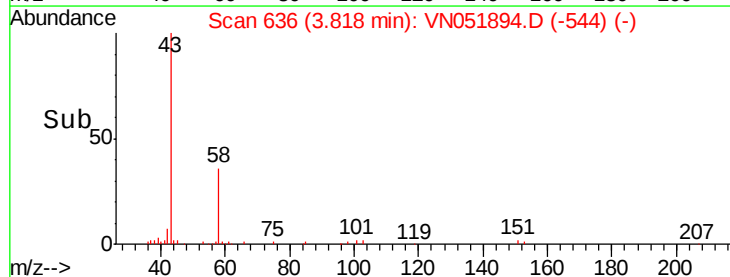
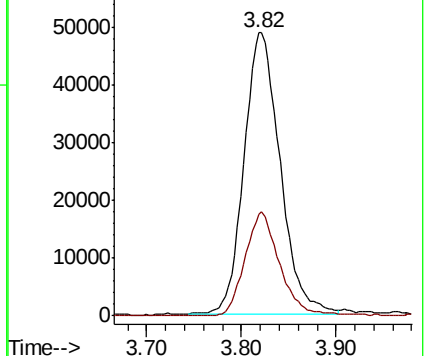
43 100

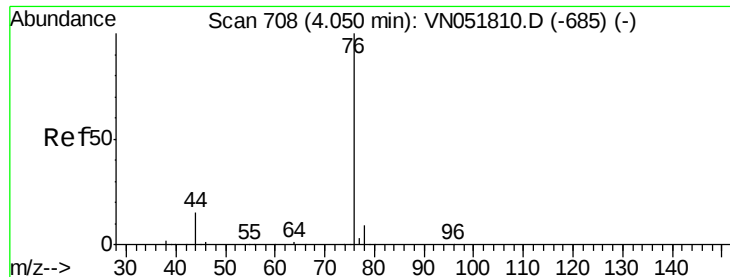
58 36.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051810.D (-618) (-)

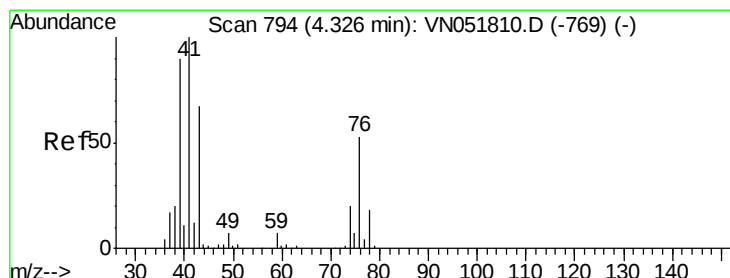
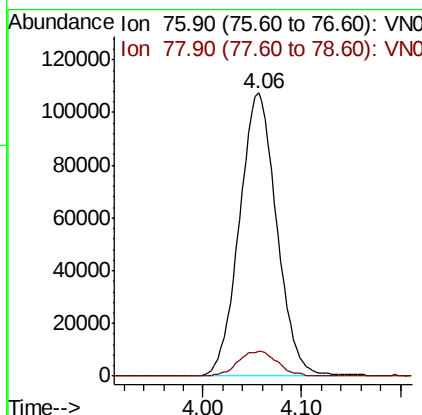
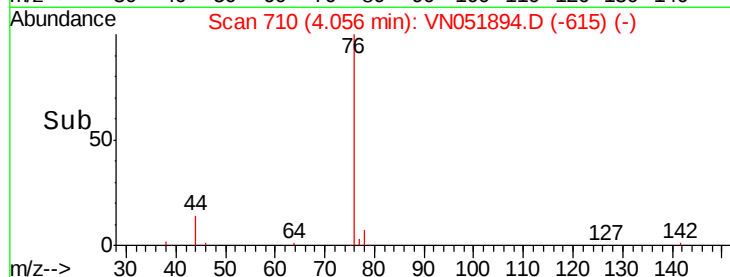
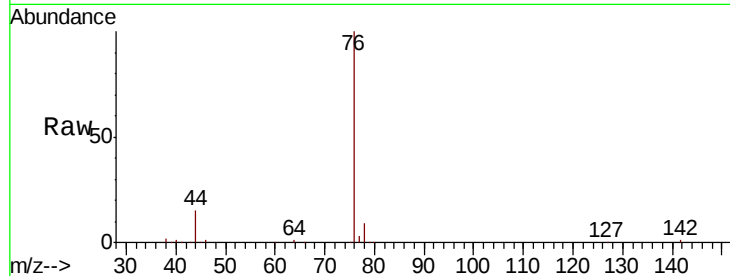




#17
Carbon Disulfide
Concen: 16.567 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

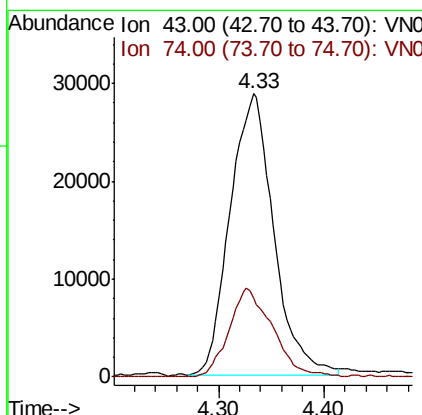
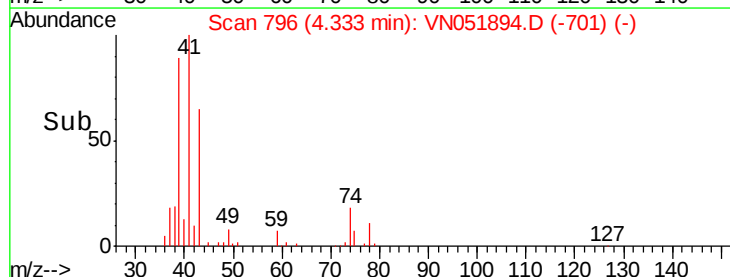
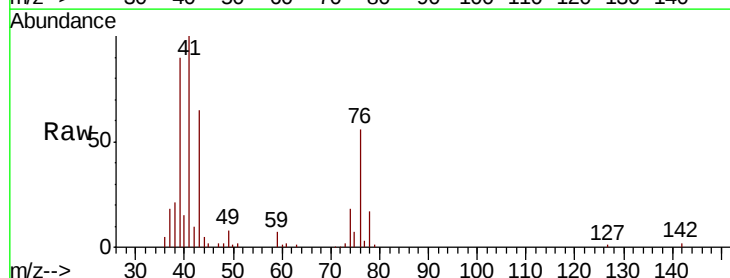
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

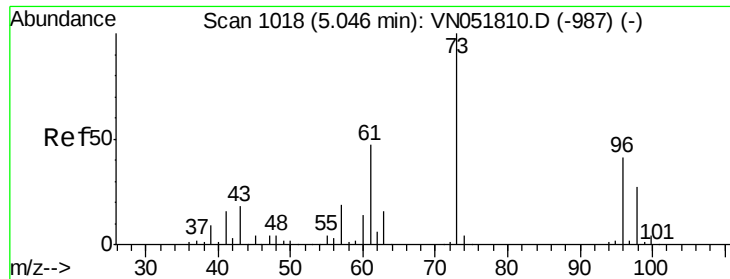
Tgt Ion: 76 Resp: 281012
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 16.753 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 43 Resp: 82519
Ion Ratio Lower Upper
43 100
74 31.4 19.8 29.8#

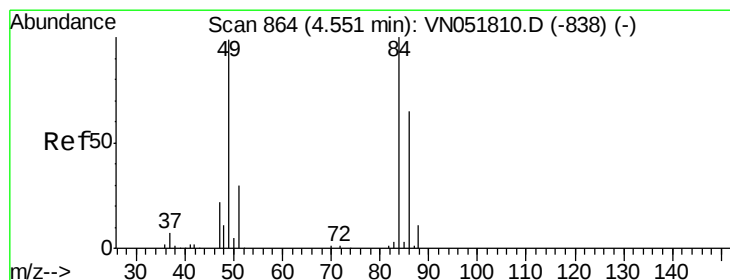
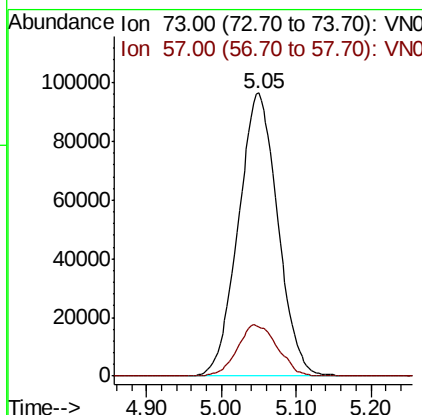
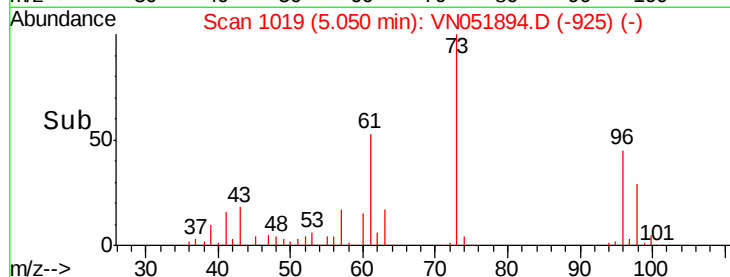
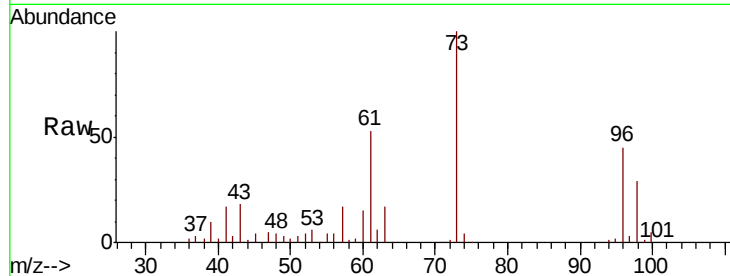




#19
Methyl tert-butyl Ether
Concen: 17.890 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

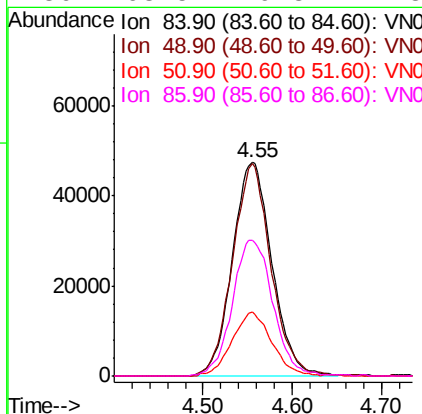
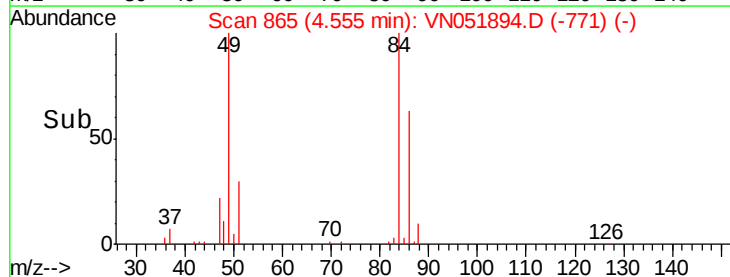
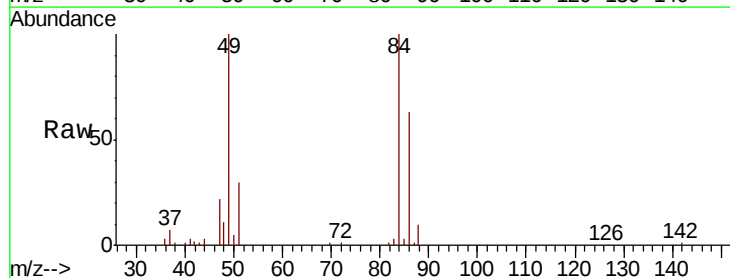
Instrument :
MSVOA_N
ClientSampled :
VN1016MBS01

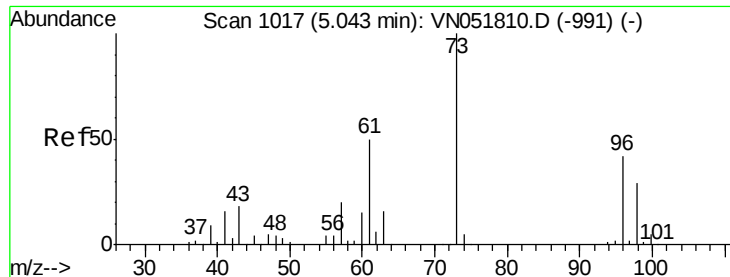
Tgt Ion: 73 Resp: 352878
Ion Ratio Lower Upper
73 100
57 17.3 17.8 26.8#



#20
Methylene Chloride
Concen: 19.574 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 84 Resp: 145769
Ion Ratio Lower Upper
84 100
49 99.5 93.2 139.8
51 29.9 29.0 43.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.532 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

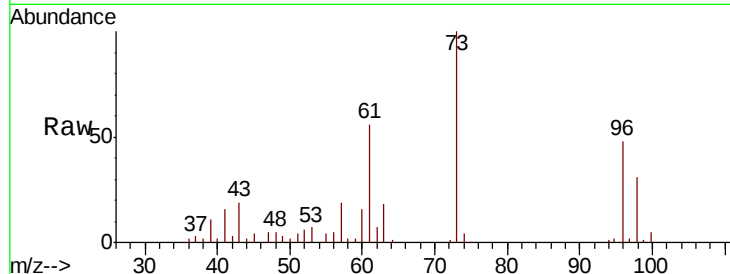
Tgt Ion: 96 Resp: 143701

Ion Ratio Lower Upper

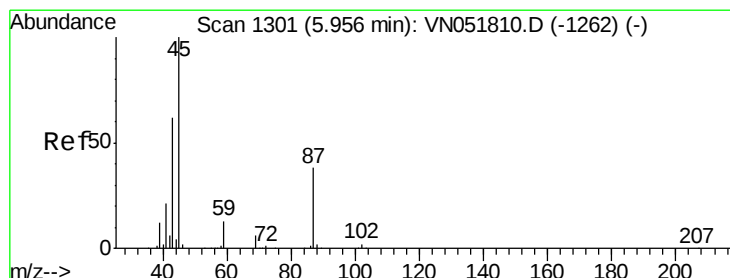
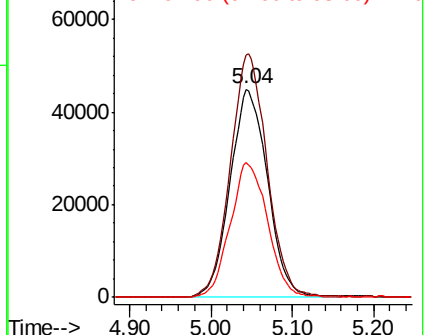
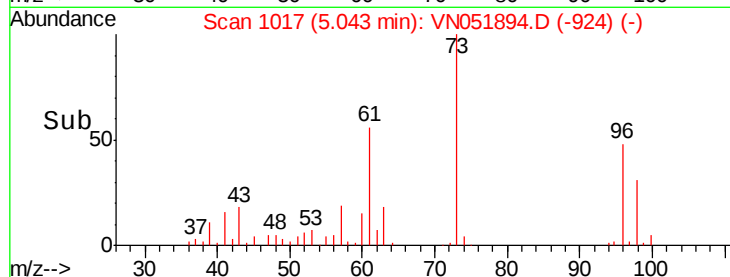
96 100

61 116.1 107.4 161.0

98 64.8 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN051894.D (-924) (-)



#22

Diisopropyl ether

Concen: 18.444 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion: 45 Resp: 320651

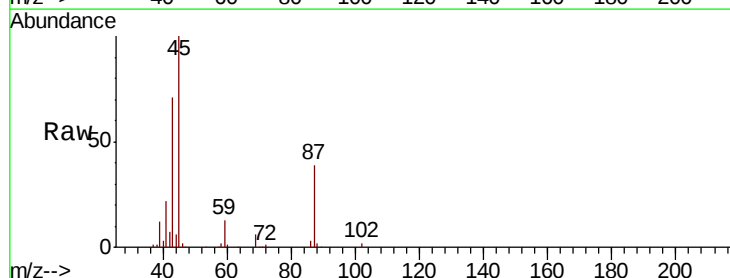
Ion Ratio Lower Upper

45 100

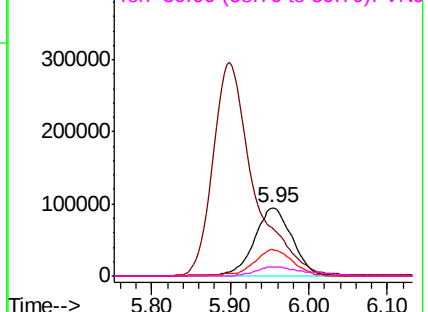
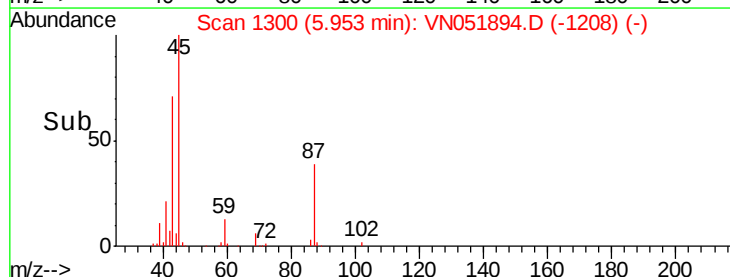
43 67.7 45.9 68.9

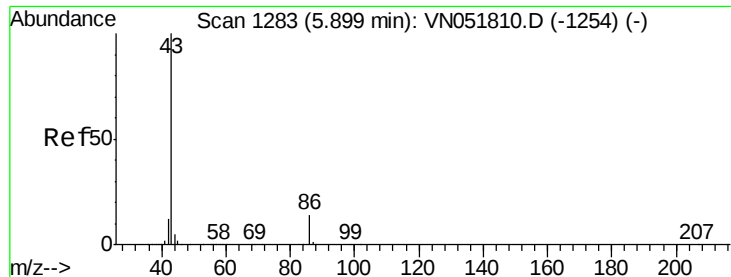
87 38.4 22.7 34.1#

59 12.5 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN051894.D (-1208) (-)





#23

Vinyl Acetate

Concen: 83.486 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

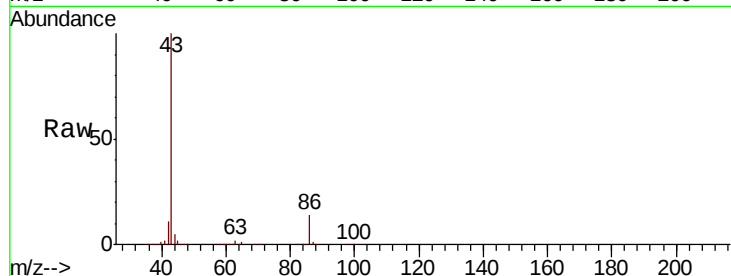
VN1016MBS01

Tgt Ion: 43 Resp: 1061792

Ion Ratio Lower Upper

43 100

86 13.7 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN051810.D (-1254) (-)

5.90

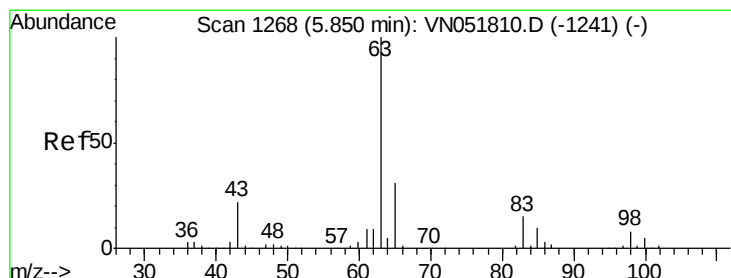
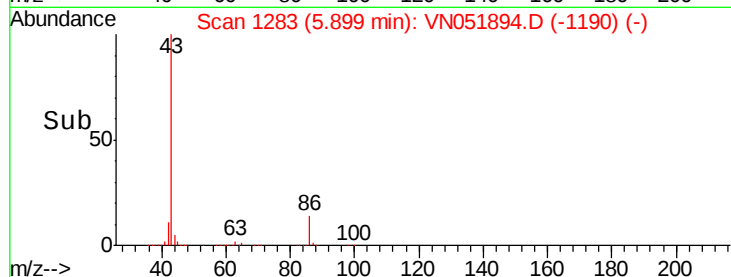
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.196 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

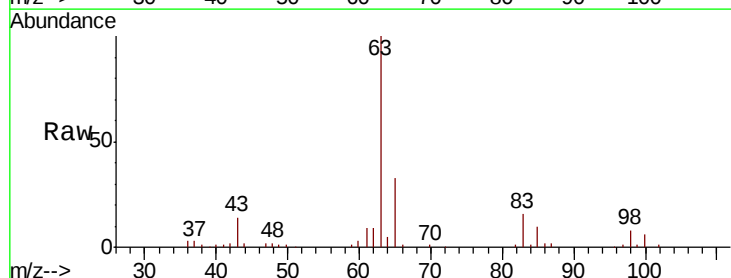
Tgt Ion: 63 Resp: 229264

Ion Ratio Lower Upper

63 100

98 8.3 3.3 9.8

100 5.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN051810.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051810.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051810.D (-1241) (-)

5.85

100000

80000

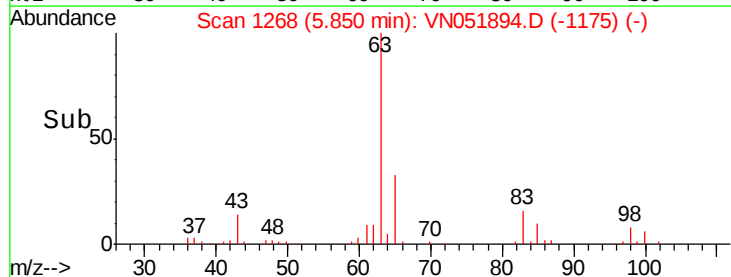
60000

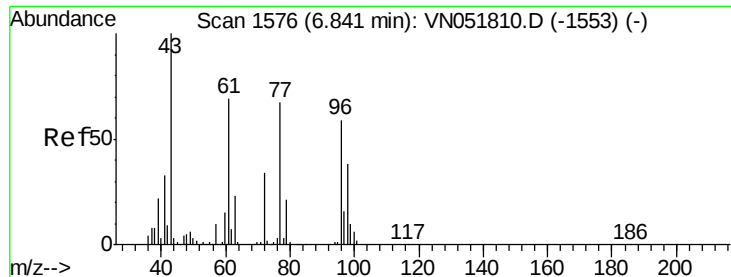
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

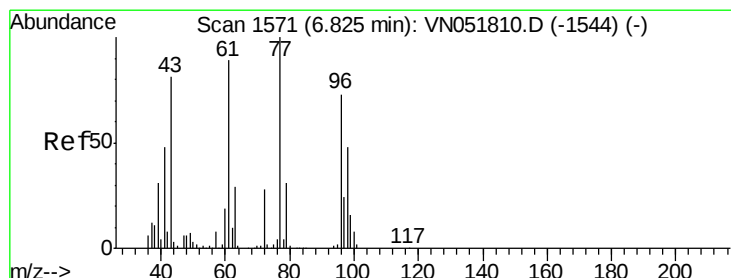
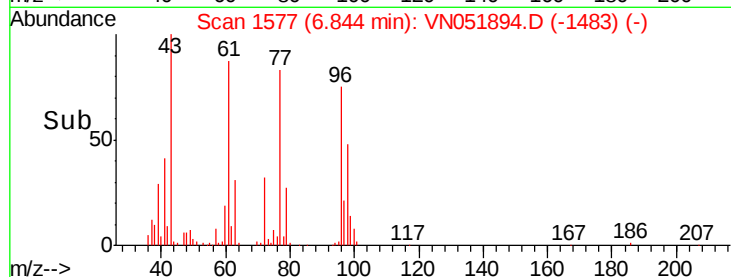
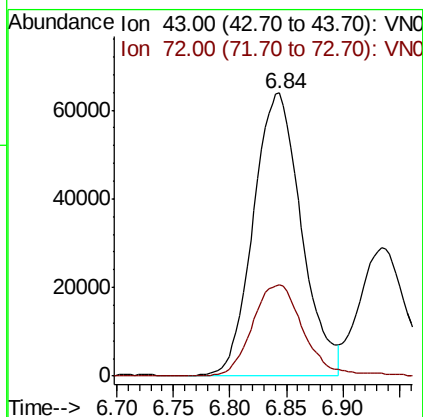
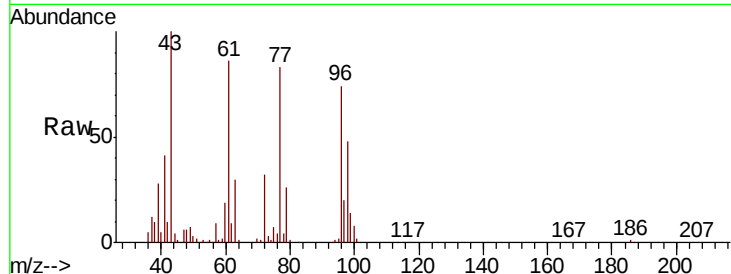




#25
2-Butanone
Concen: 74.203 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

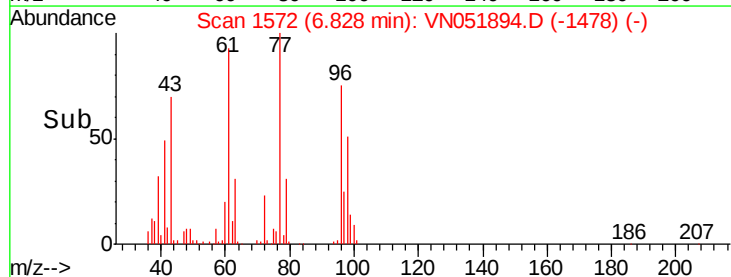
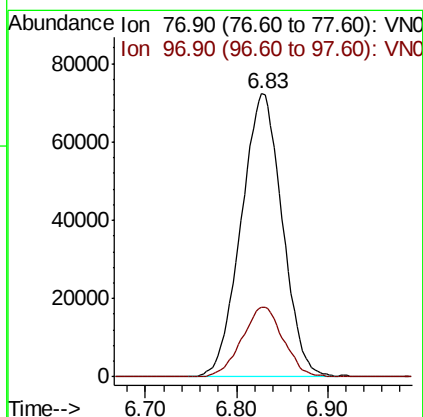
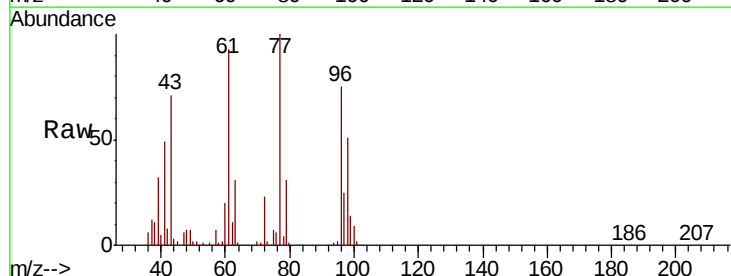
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

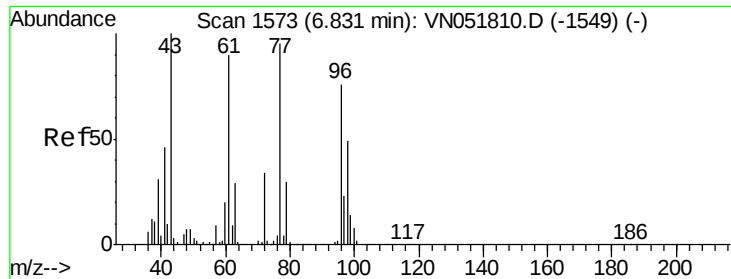
Tgt Ion: 43 Resp: 188688
Ion Ratio Lower Upper
43 100
72 32.2 22.3 33.5



#26
2,2-Dichloropropane
Concen: 18.789 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 77 Resp: 227208
Ion Ratio Lower Upper
77 100
97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.585 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

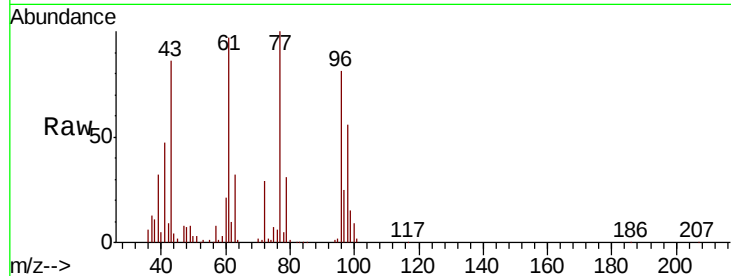
Tgt Ion: 96 Resp: 166094

Ion Ratio Lower Upper

96 100

61 121.1 0.0 283.4

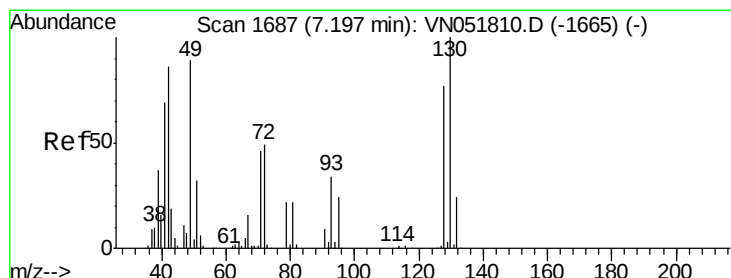
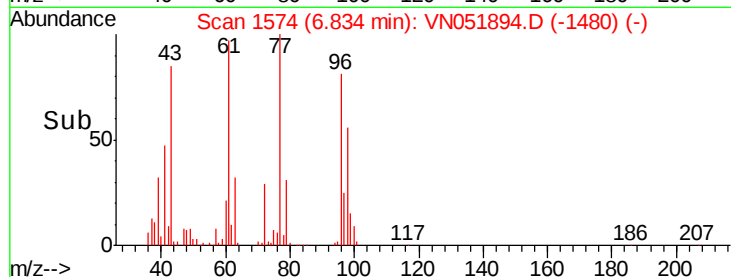
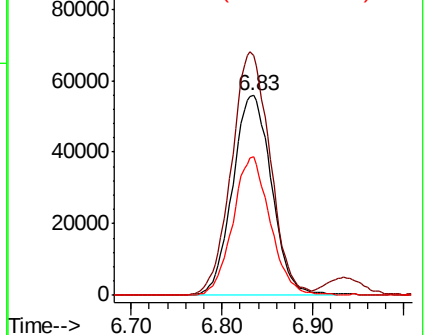
98 66.2 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN051810.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051810.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051810.D (-1549) (-)



#28

Bromochloromethane

Concen: 18.453 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

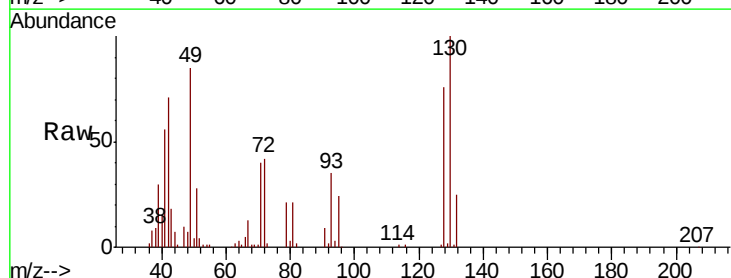
Tgt Ion: 49 Resp: 92467

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.2

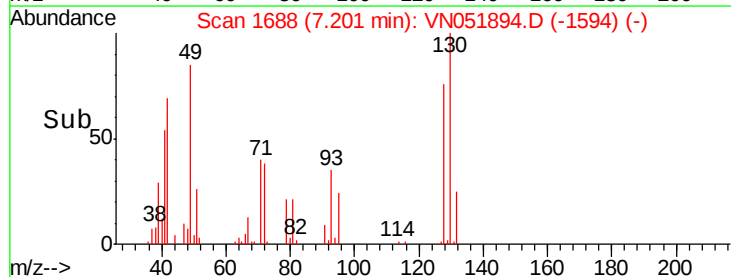
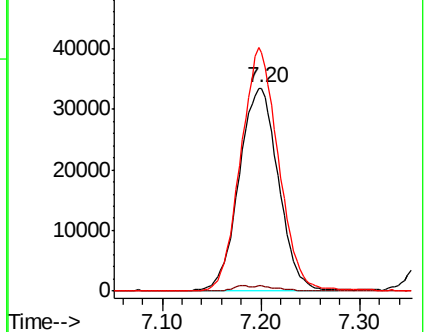
130 114.6 67.1 100.7#

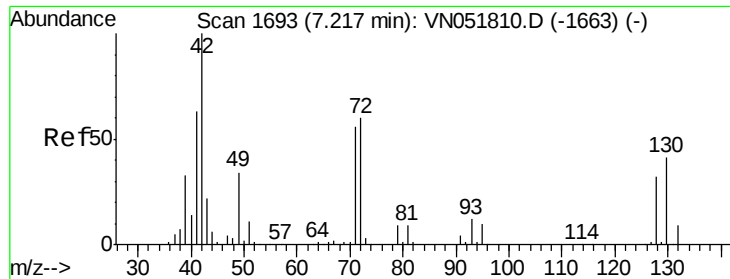


Abundance Ion 48.90 (48.60 to 49.60): VN051810.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051810.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051810.D (-1665) (-)

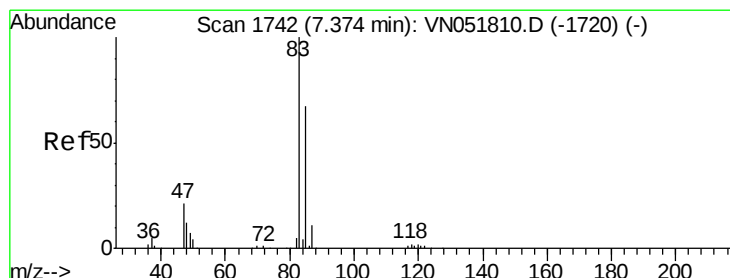
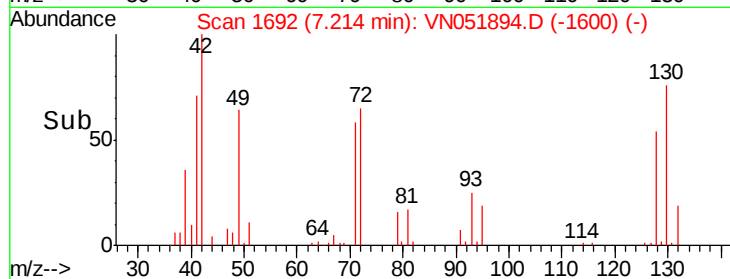
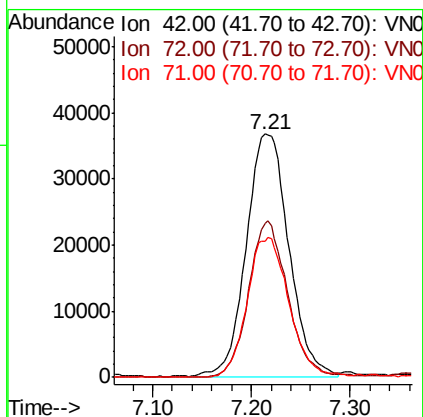
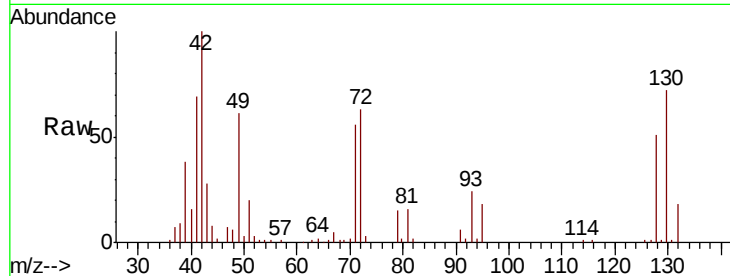




#29
Tetrahydrofuran
Concen: 71.941 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

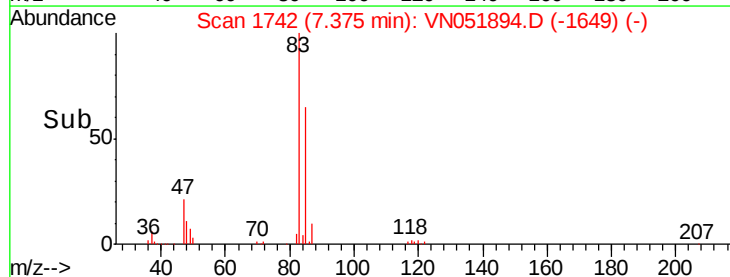
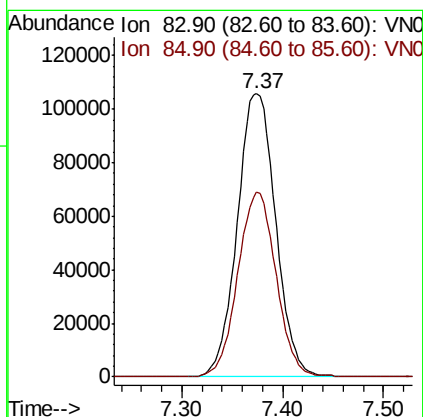
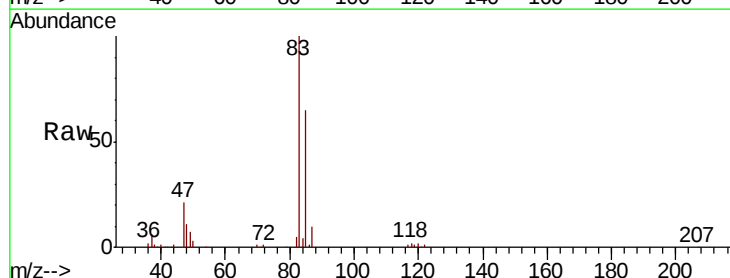
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

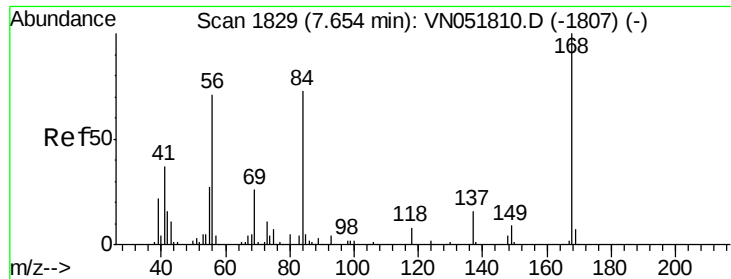
Tgt Ion: 42 Resp: 109016
Ion Ratio Lower Upper
42 100
72 60.2 35.5 53.3#
71 56.9 33.7 50.5#



#30
Chloroform
Concen: 19.583 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 83 Resp: 279651
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.4

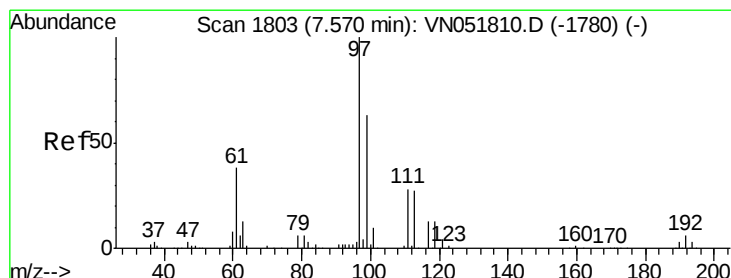
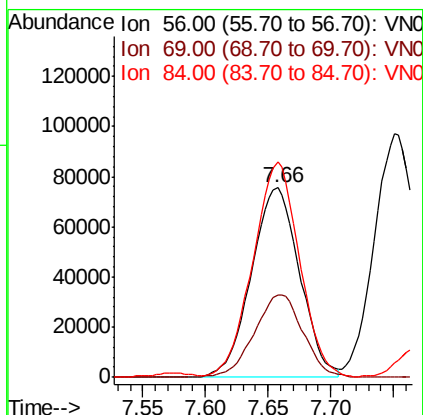
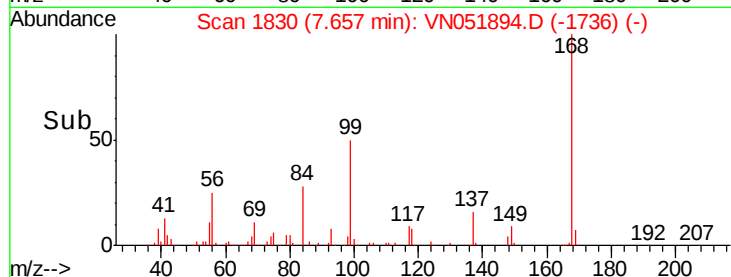
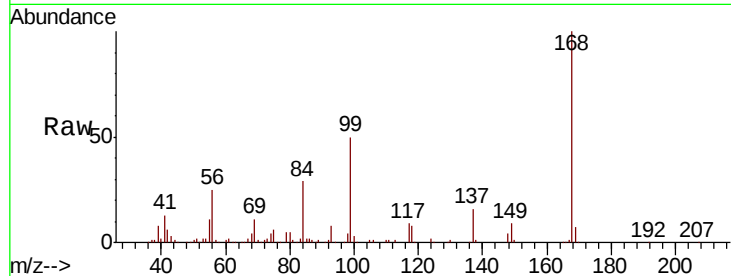




#31
Cyclohexane
Concen: 18.808 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

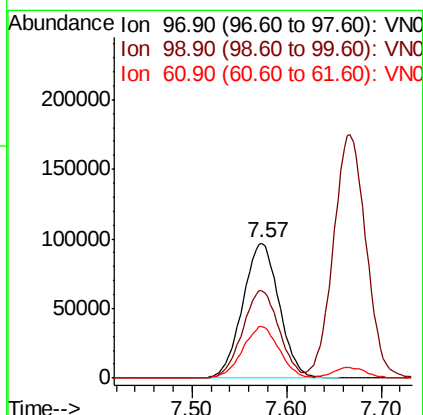
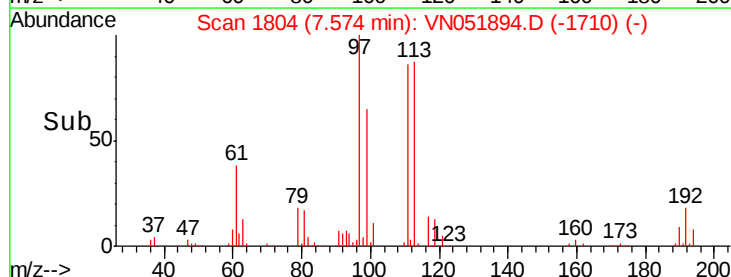
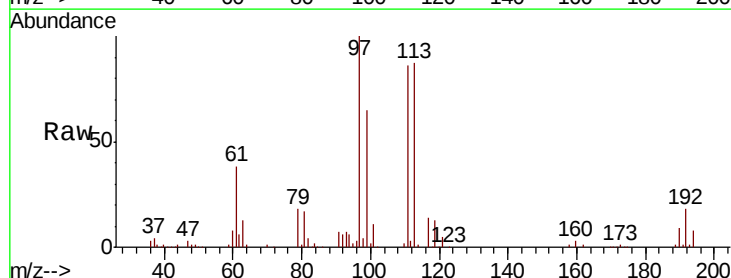
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

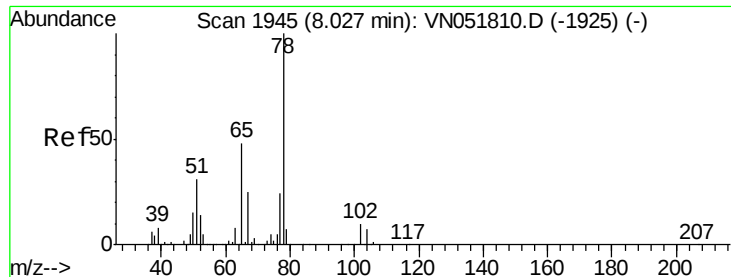
Tgt Ion: 56 Resp: 202574
Ion Ratio Lower Upper
56 100
69 43.5 26.2 39.4#
84 111.6 68.3 102.5#



#32
1,1,1-Trichloroethane
Concen: 19.356 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 97 Resp: 259508
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 38.4 34.9 52.3

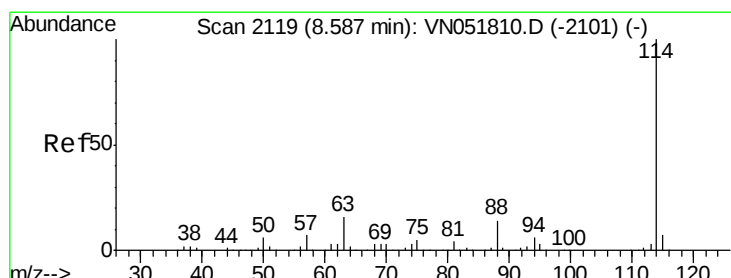
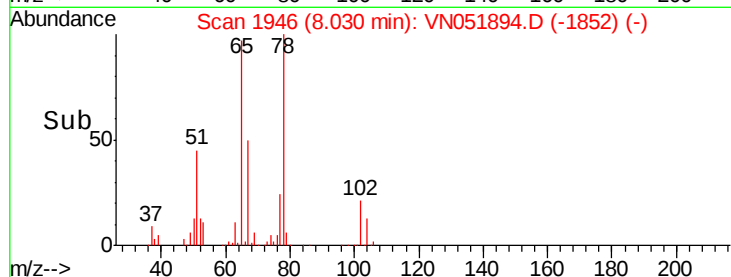
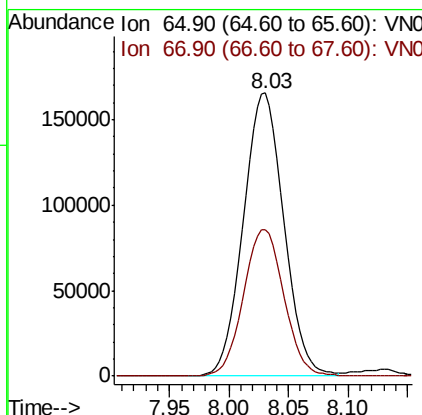
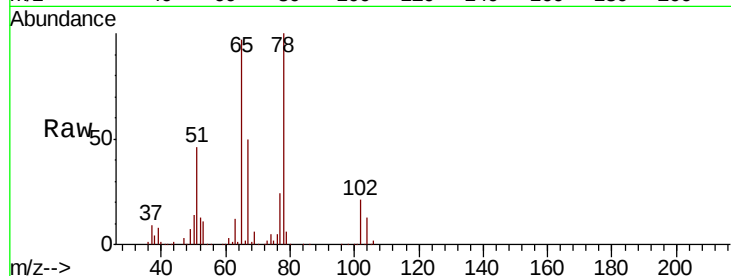




#33
 1,2-Dichloroethane-d4
 Concen: 19.356 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

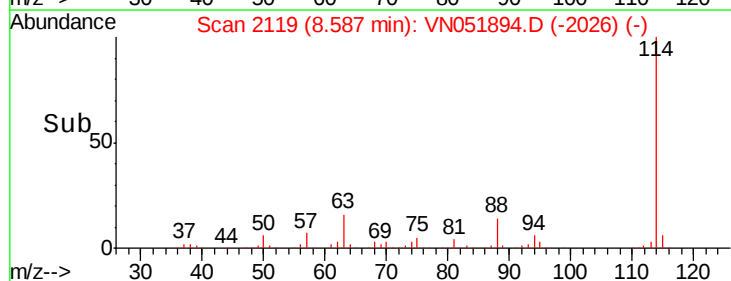
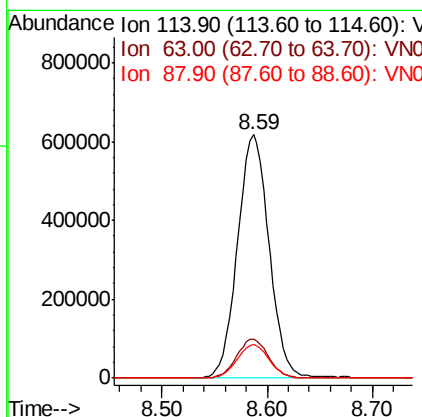
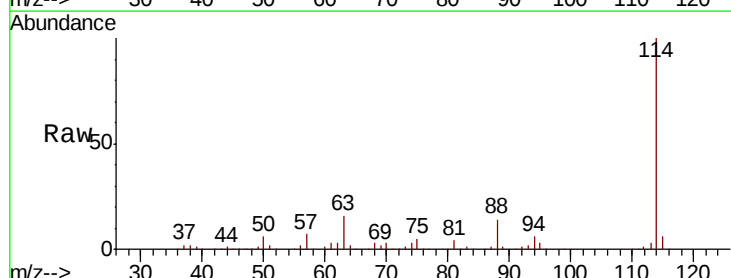
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

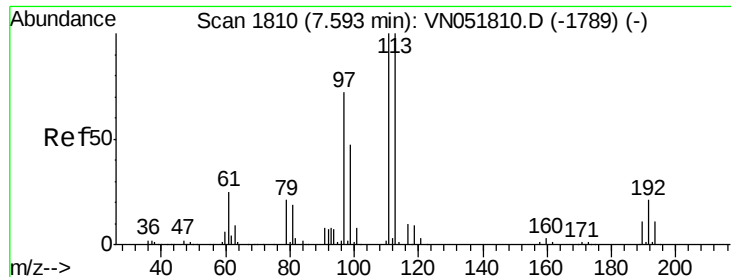
Tgt Ion: 65 Resp: 390718
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 114 Resp: 1284585
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 38.6
 88 13.7 0.0 30.6

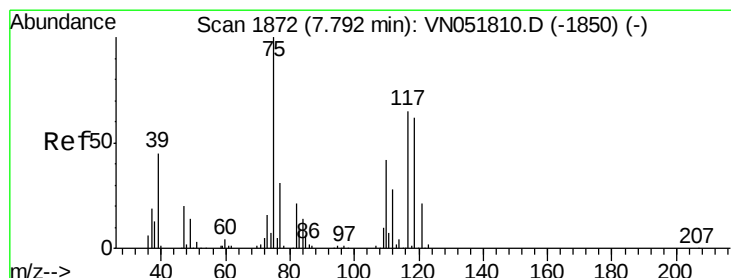
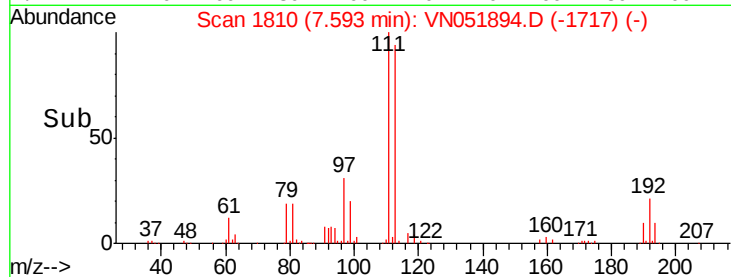
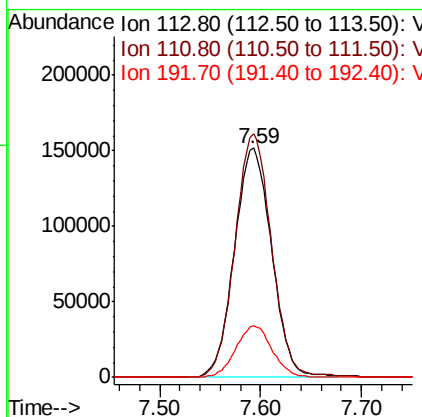
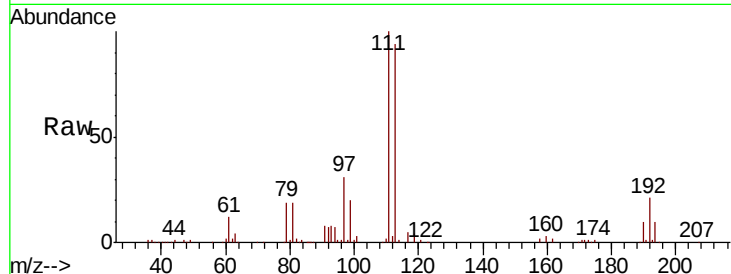




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

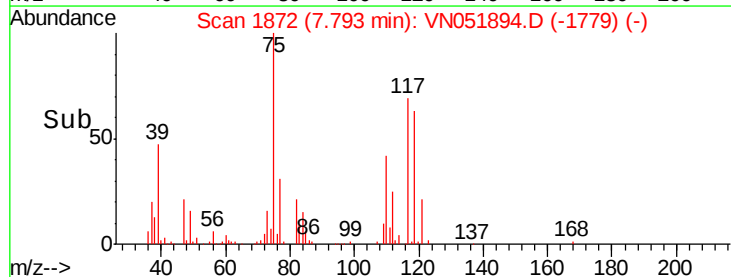
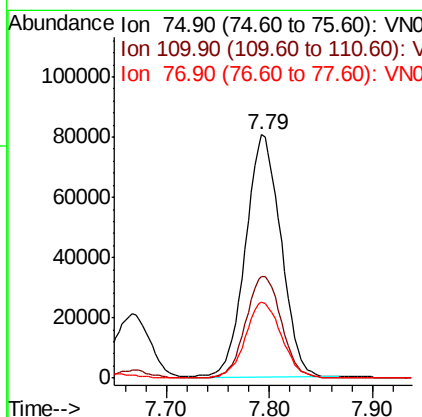
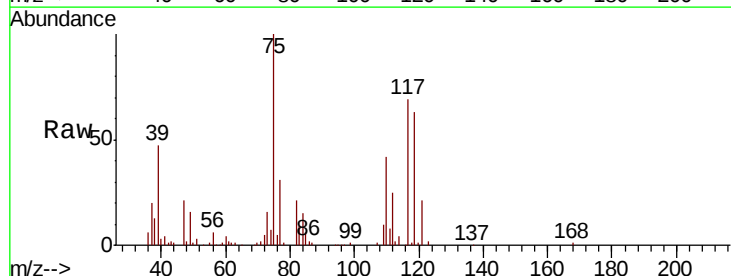
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

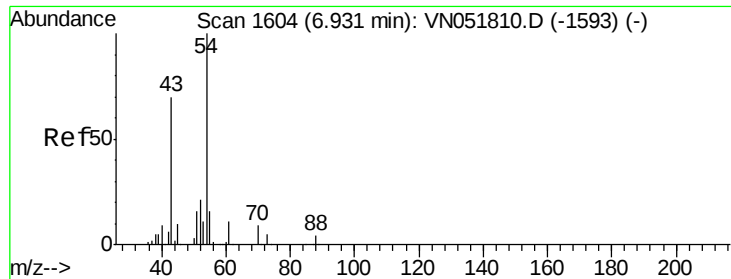
Tgt Ion: 113 Resp: 388671
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 123.8
 192 22.0 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.429 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 75 Resp: 191657
 Ion Ratio Lower Upper
 75 100
 110 42.3 18.1 54.4
 77 32.3 24.8 37.2

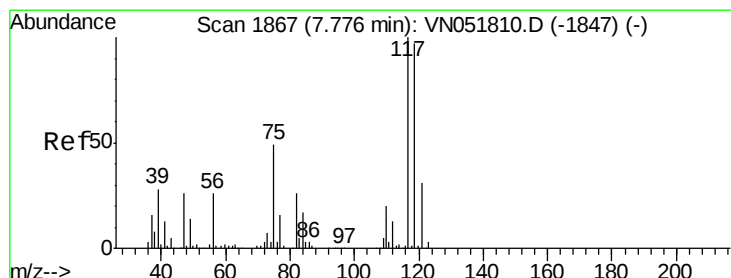
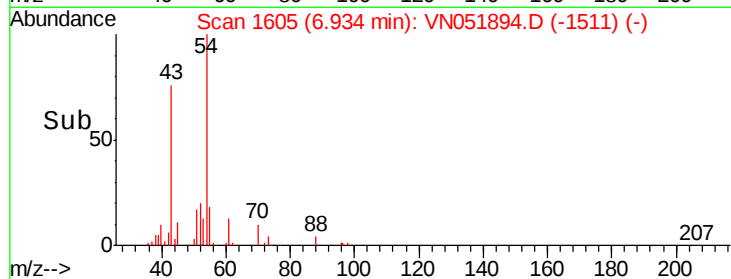
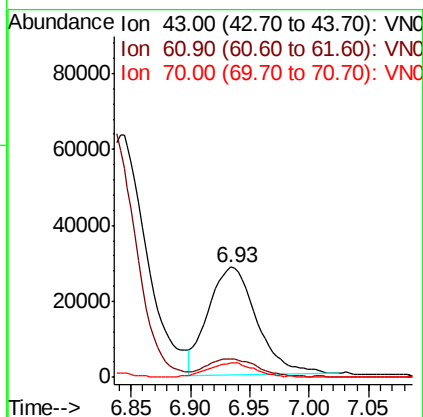
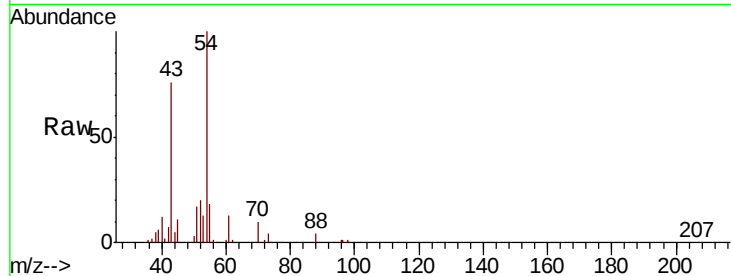




#37
Ethyl Acetate
Concen: 15.005 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

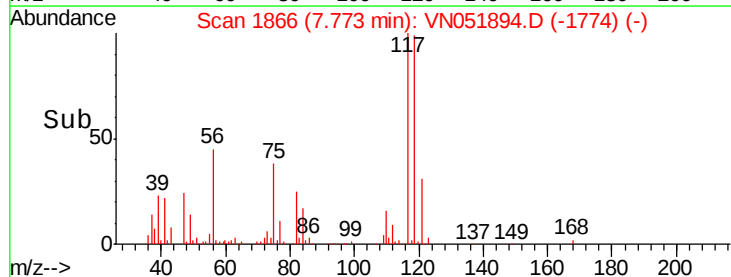
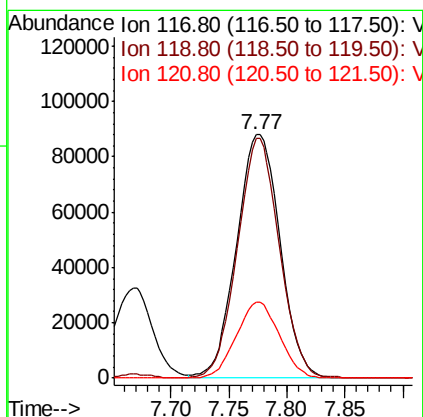
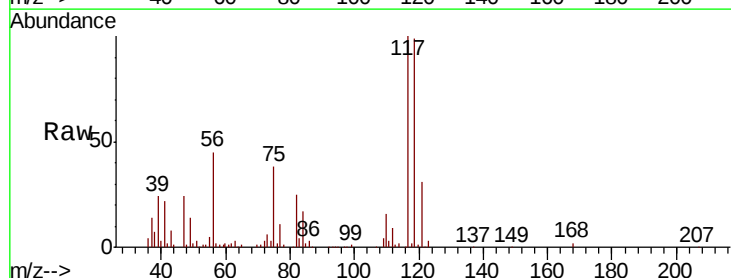
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

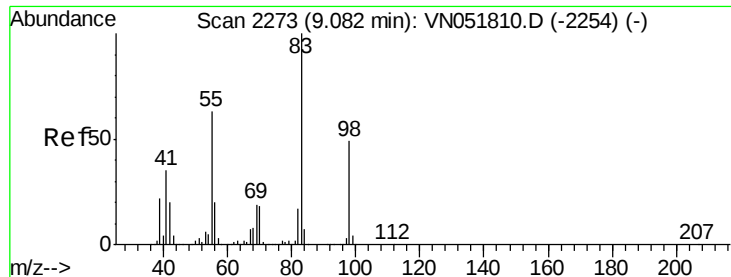
Tgt Ion: 43 Resp: 80121
Ion Ratio Lower Upper
43 100
61 17.3 12.0 18.0
70 13.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 18.959 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 117 Resp: 228550
Ion Ratio Lower Upper
117 100
119 98.5 76.3 114.5
121 31.4 24.6 36.8

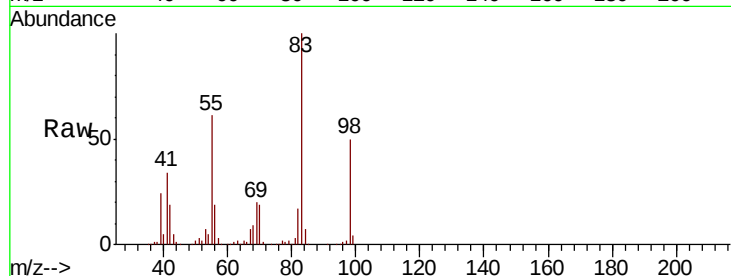




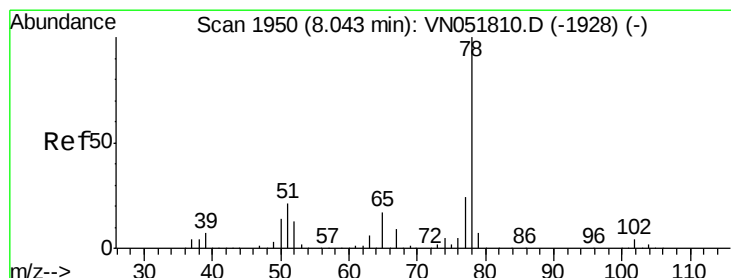
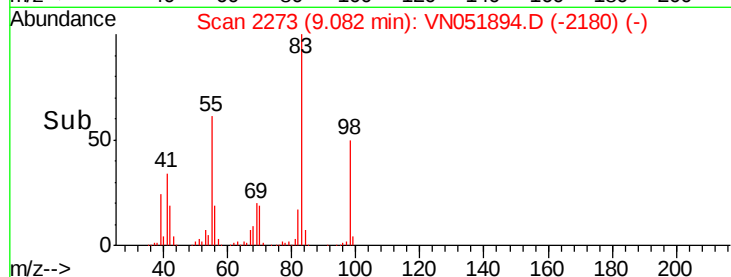
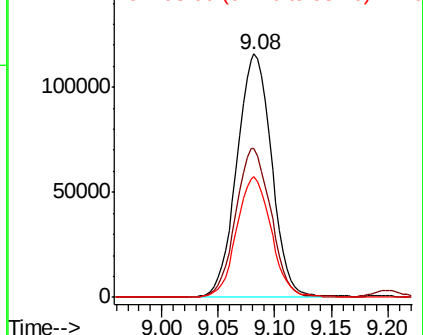
#39
Methylcyclohexane
Concen: 19.470 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

Tgt Ion: 83 Resp: 248744
Ion Ratio Lower Upper
83 100
55 61.3 61.0 91.4
98 49.5 37.5 56.3

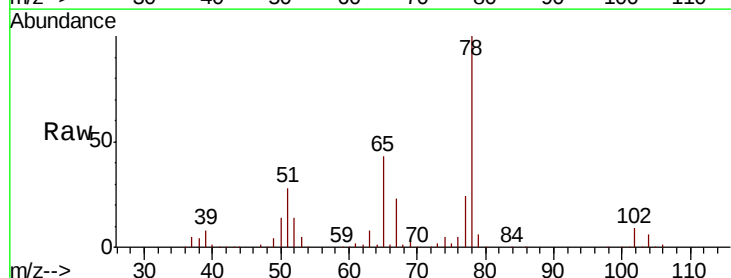


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

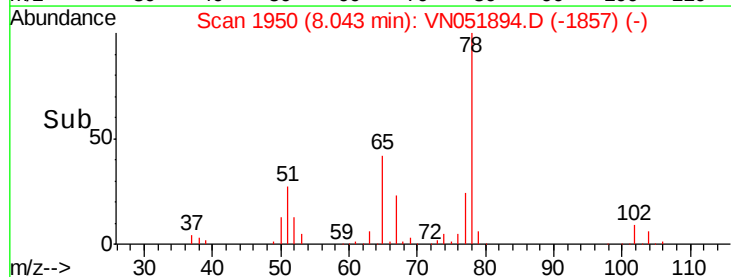
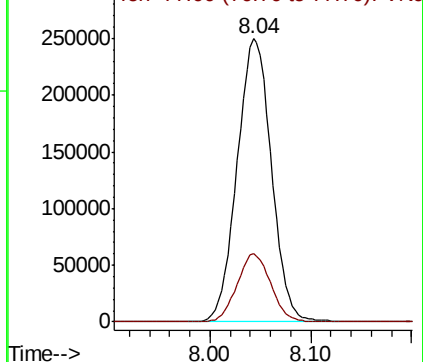


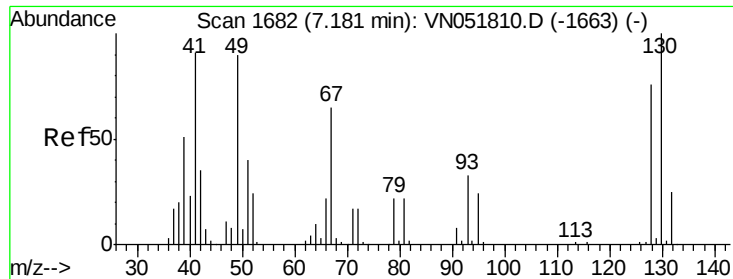
#40
Benzene
Concen: 19.606 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 78 Resp: 588186
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



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





#41

Methacrylonitrile

Concen: 16.992 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

Tgt Ion: 41 Resp: 43741

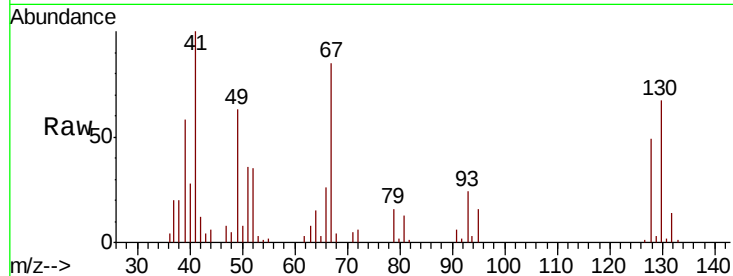
Ion Ratio Lower Upper

41 100

39 54.3 45.4 68.0

67 103.6 70.6 106.0

52 40.7 27.1 40.7#



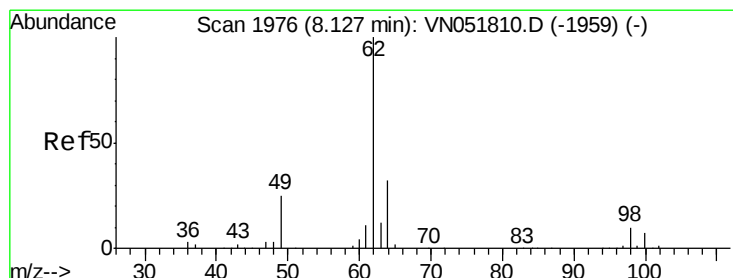
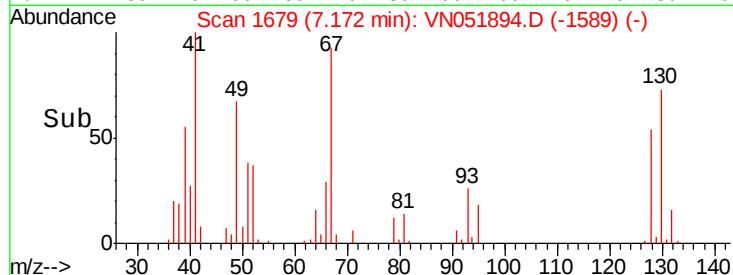
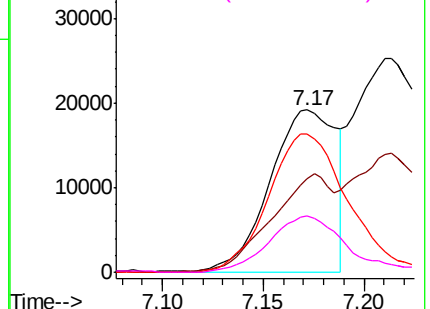
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 18.998 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051894.D

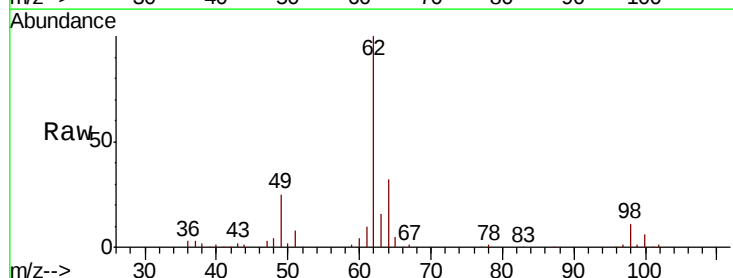
Acq: 16 Oct 2018 14:27

Tgt Ion: 62 Resp: 186841

Ion Ratio Lower Upper

62 100

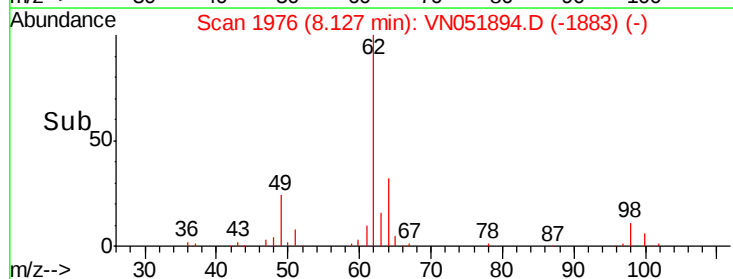
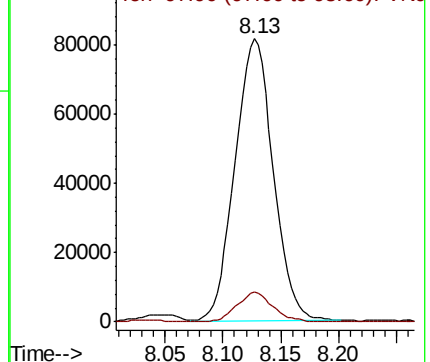
98 9.9 0.0 19.6

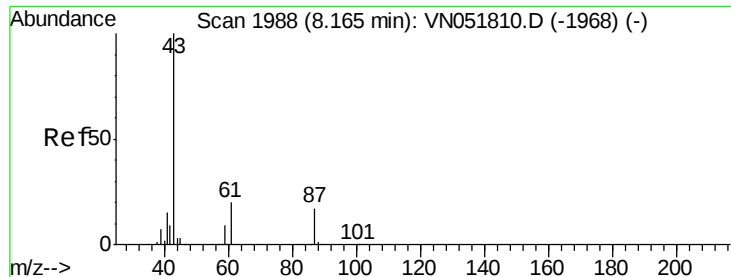


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 16.303 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

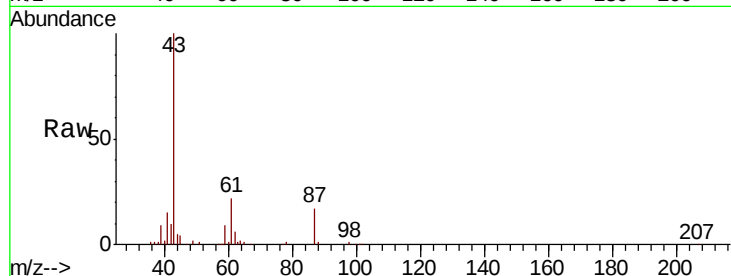
Tgt Ion: 43 Resp: 177766

Ion Ratio Lower Upper

43 100

61 30.8 17.5 26.3#

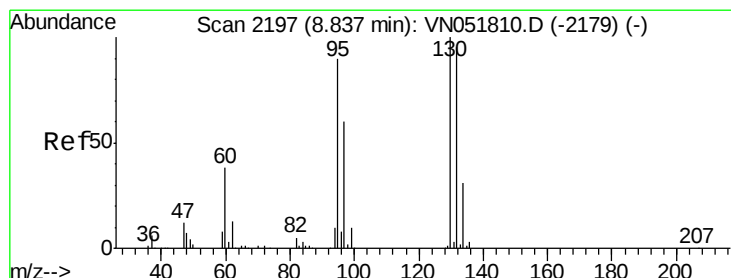
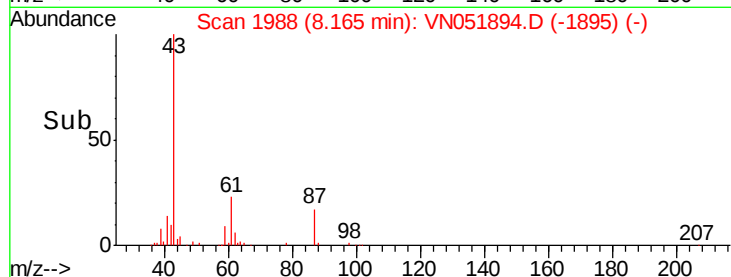
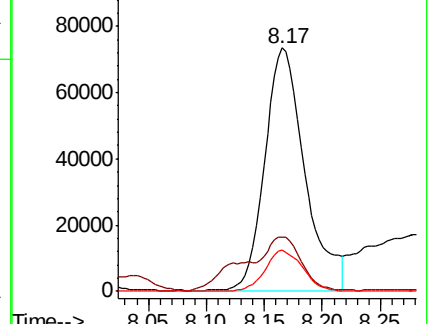
87 15.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN051810.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN051810.D (-1968) (-)



#44

Trichloroethene

Concen: 19.687 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051894.D

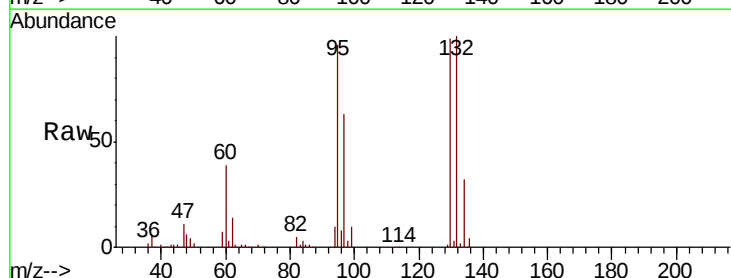
Acq: 16 Oct 2018 14:27

Tgt Ion: 130 Resp: 179805

Ion Ratio Lower Upper

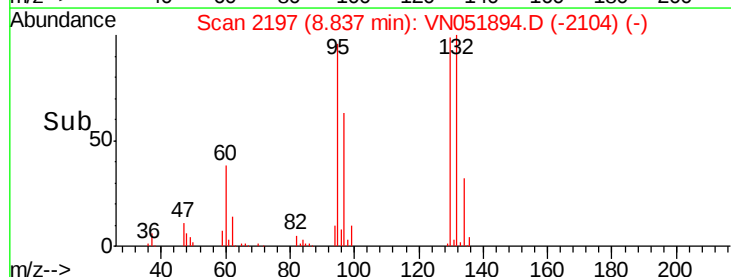
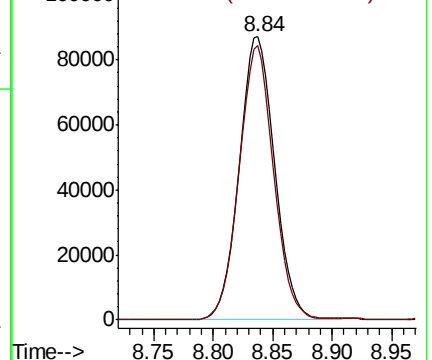
130 100

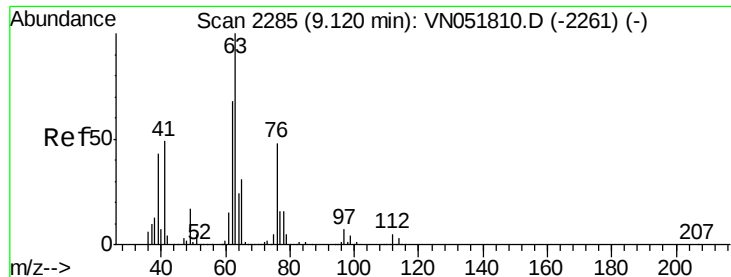
95 97.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN051810.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051810.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.383 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

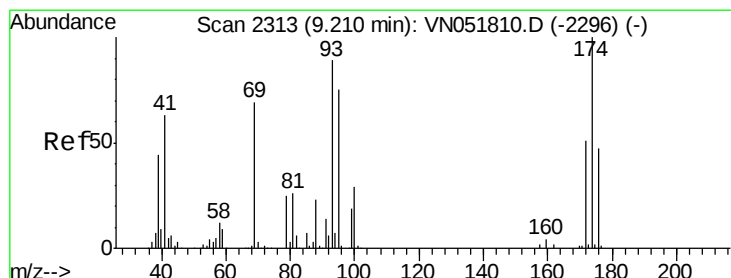
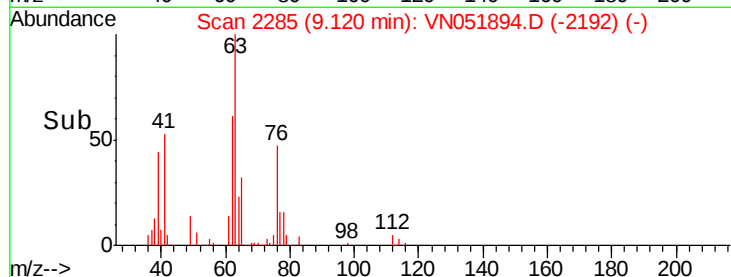
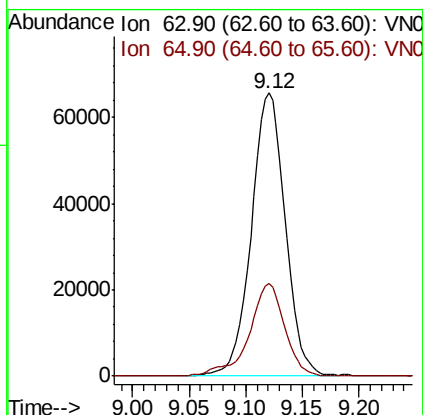
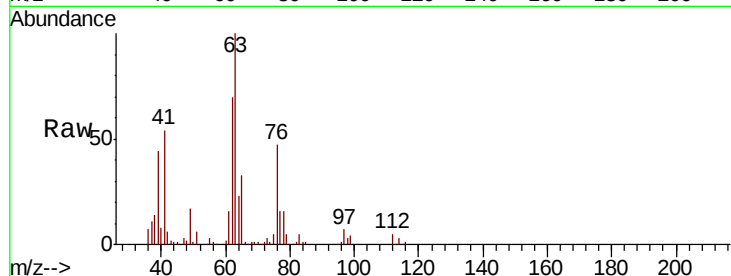
VN1016MBS01

Tgt Ion: 63 Resp: 136724

Ion Ratio Lower Upper

63 100

65 32.5 25.0 37.6



#46

Dibromomethane

Concen: 18.419 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

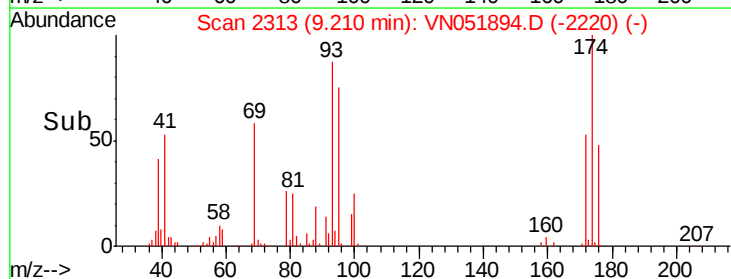
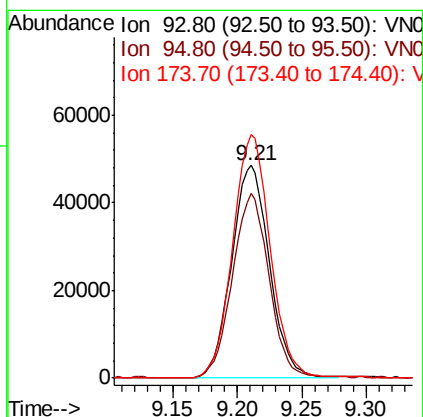
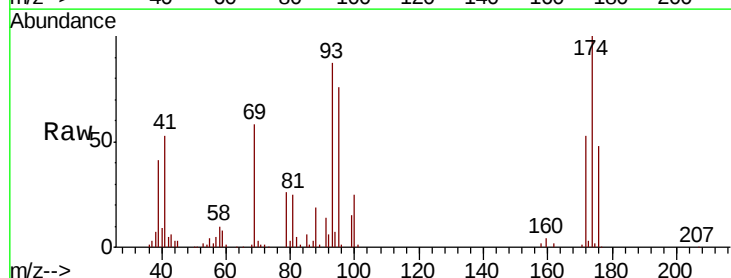
Tgt Ion: 93 Resp: 99704

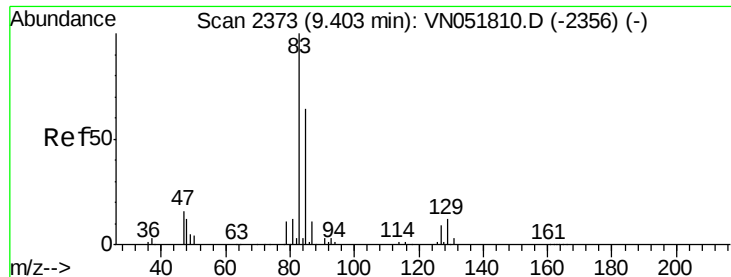
Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 113.6 89.8 134.6





#47

Bromodichloromethane

Concen: 18.679 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

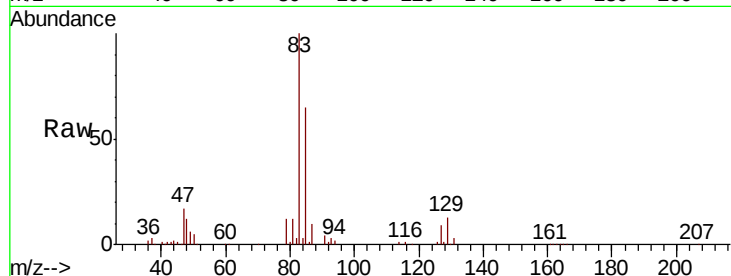
Tgt Ion: 83 Resp: 202022

Ion Ratio Lower Upper

83 100

85 64.8 52.6 78.8

127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN051810.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051810.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051810.D (-2356) (-)

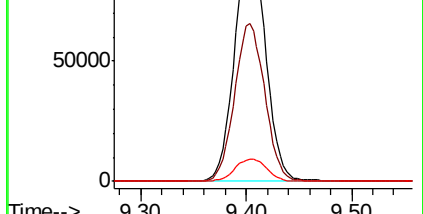
9.40

100000

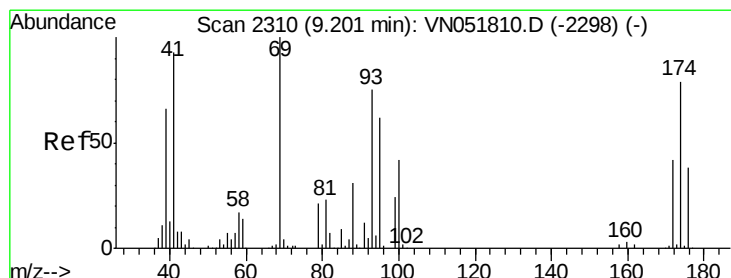
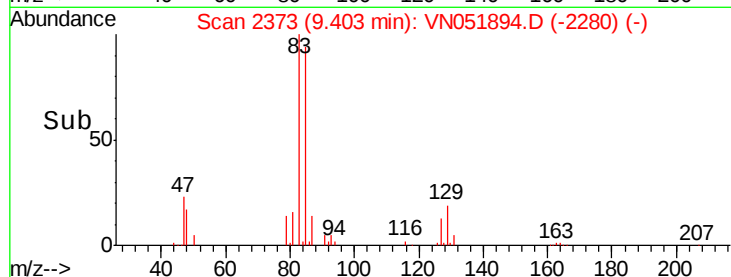
50000

0

9.30 9.40 9.50



Time-->



#48

Methyl methacrylate

Concen: 15.404 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

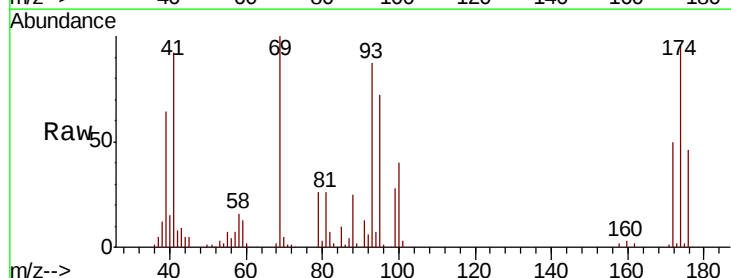
Tgt Ion: 41 Resp: 73269

Ion Ratio Lower Upper

41 100

69 114.5 74.7 112.1#

39 75.1 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VN051810.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051810.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051810.D (-2298) (-)

9.20

60000

50000

40000

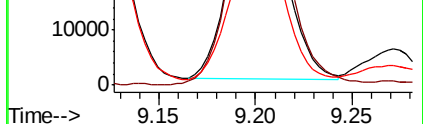
30000

20000

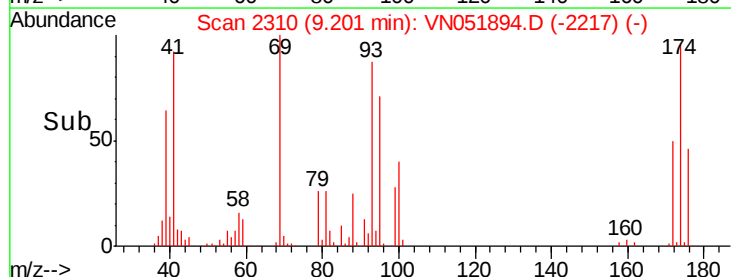
10000

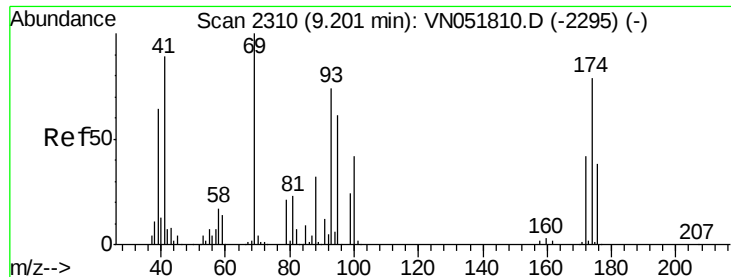
0

9.15 9.20 9.25



Time-->





#49

1,4-Dioxane

Concen: 310.404 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

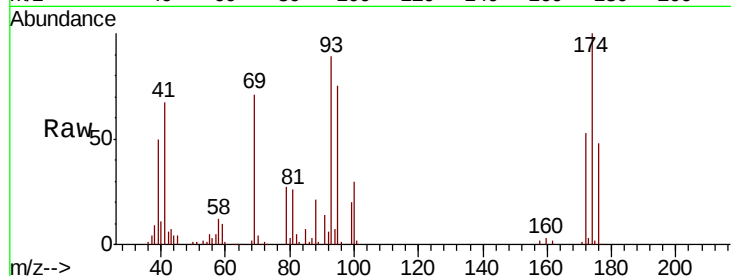
Tgt Ion: 88 Resp: 25680

Ion Ratio Lower Upper

88 100

43 26.3 25.9 38.9

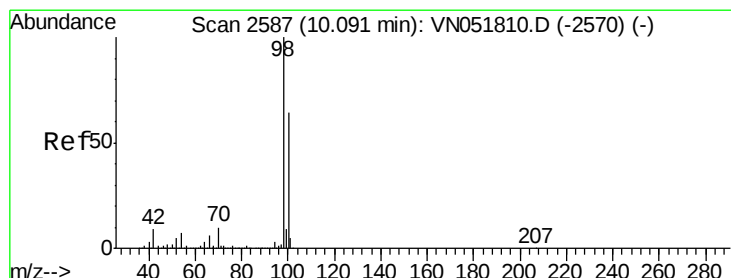
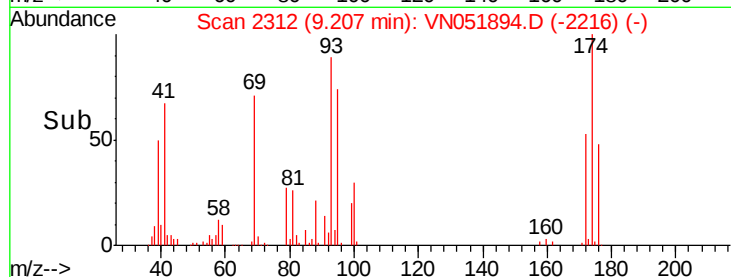
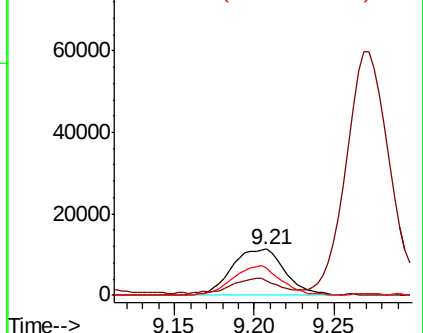
58 57.7 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN051810.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051810.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051810.D (-2295) (-)



#50

Toluene-d8

Concen: 310.404 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051894.D

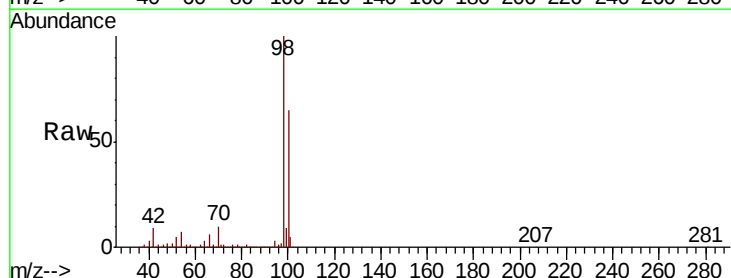
Acq: 16 Oct 2018 14:27

Tgt Ion: 98 Resp: 1433589

Ion Ratio Lower Upper

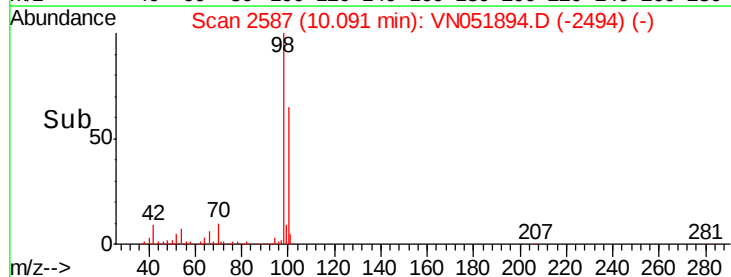
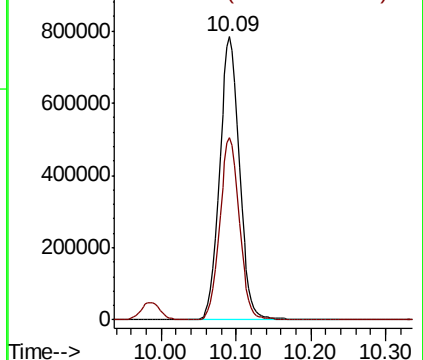
98 100

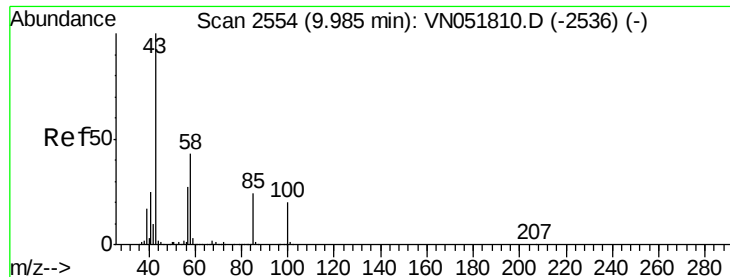
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051810.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051810.D (-2570) (-)

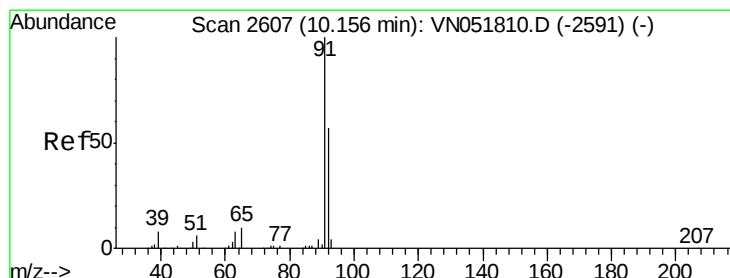
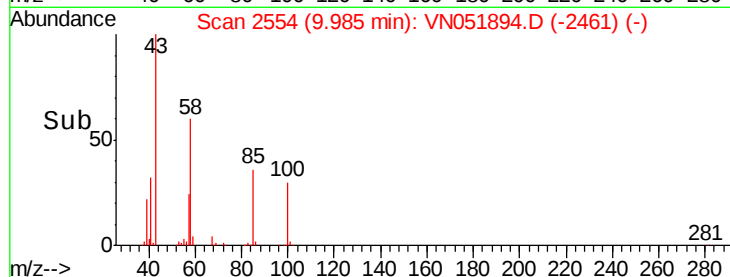
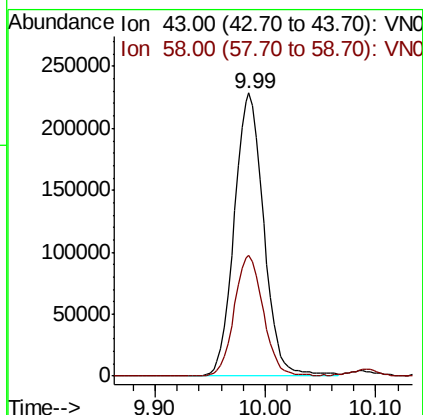
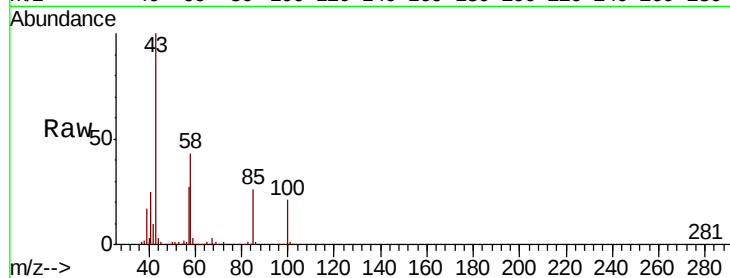




#51
 4-Methyl-2-Pentanone
 Concen: 75.800 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

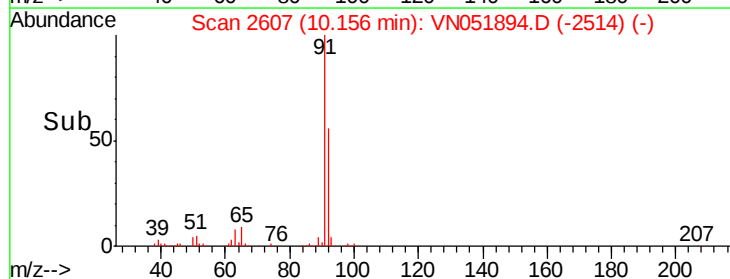
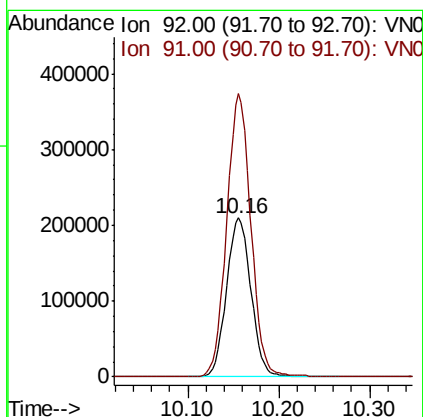
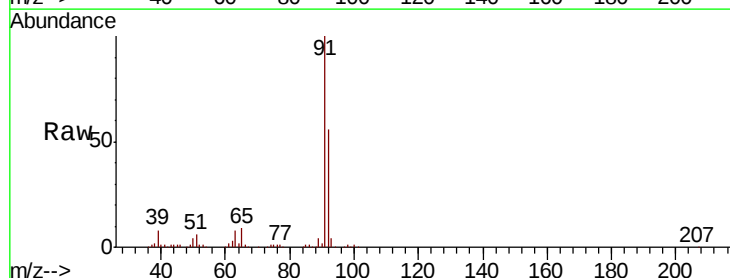
Instrument :
 MSVOA_N
 ClientSampled :
 VN1016MBS01

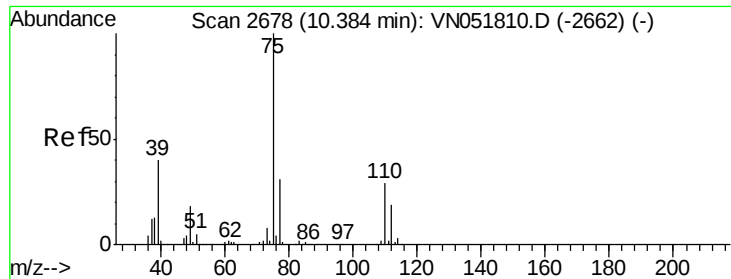
Tgt Ion: 43 Resp: 420129
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.4 48.6



#52
 Toluene
 Concen: 19.511 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 92 Resp: 393037
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 16.740 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

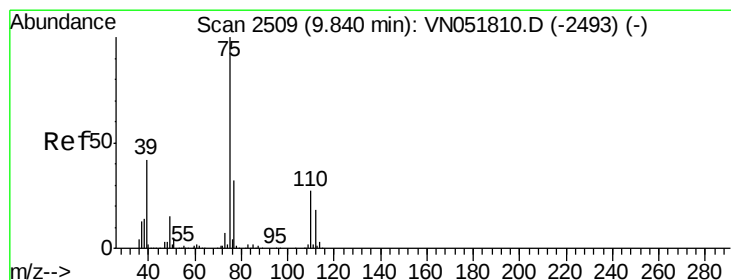
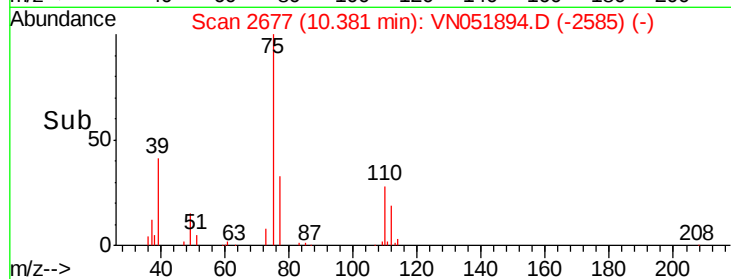
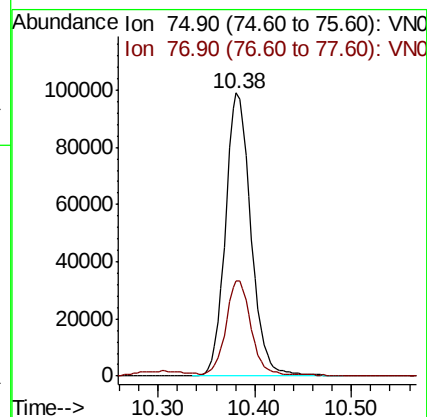
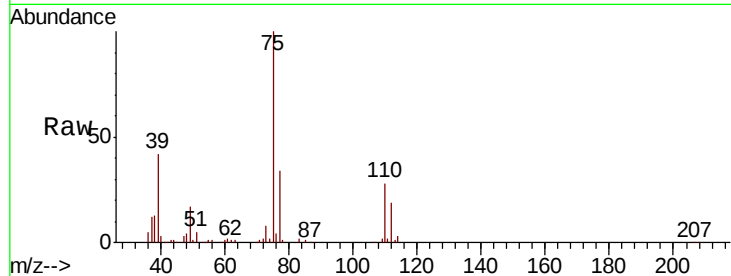
VN1016MBS01

Tgt Ion: 75 Resp: 181390

Ion Ratio Lower Upper

75 100

77 33.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 18.146 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

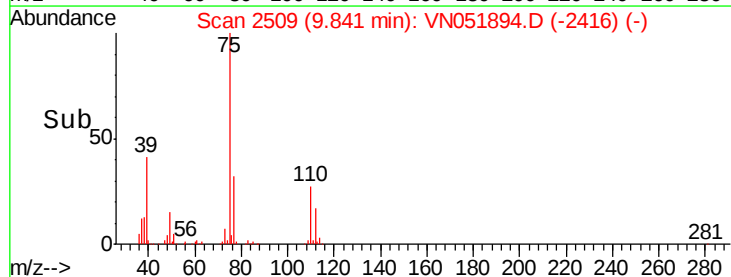
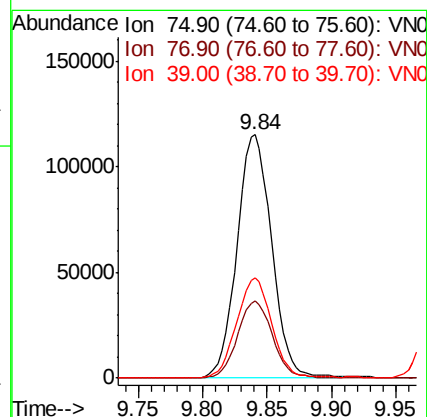
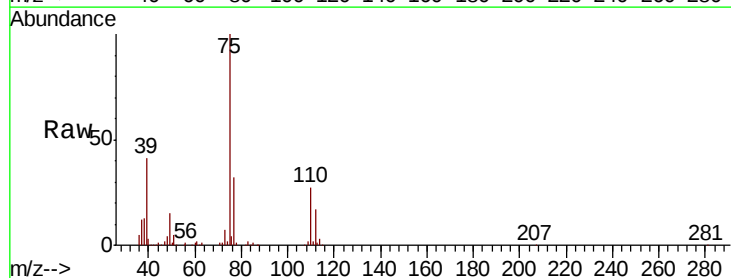
Tgt Ion: 75 Resp: 215874

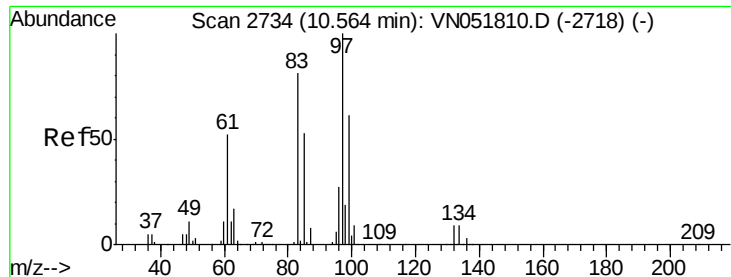
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

39 41.4 33.0 49.4

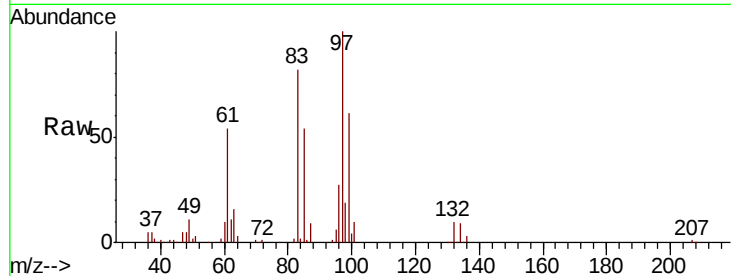




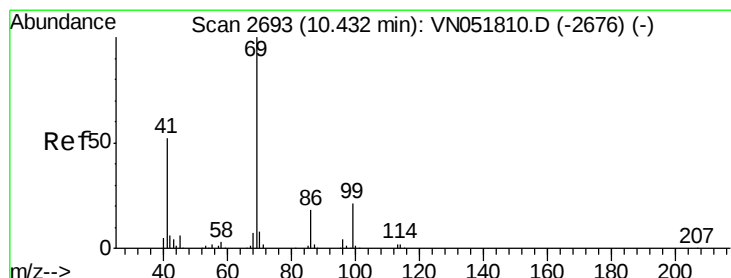
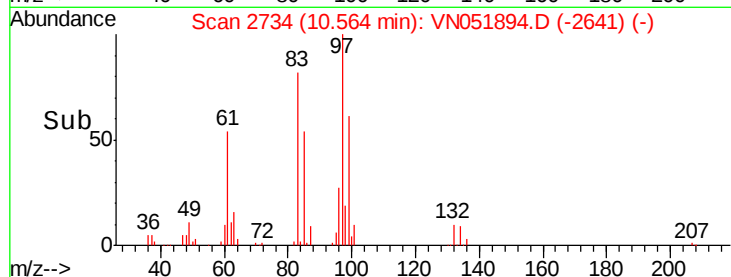
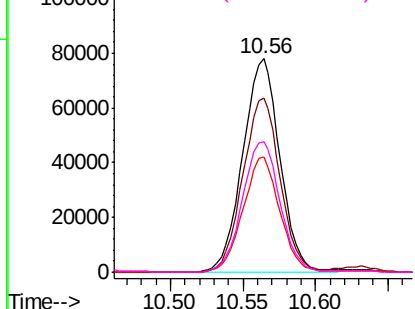
#55
 1,1,2-Trichloroethane
 Concen: 18.403 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

Tgt Ion: 97 Resp: 139454
 Ion Ratio Lower Upper
 97 100
 83 81.7 69.7 104.5
 85 53.7 44.5 66.7
 99 60.8 50.7 76.1

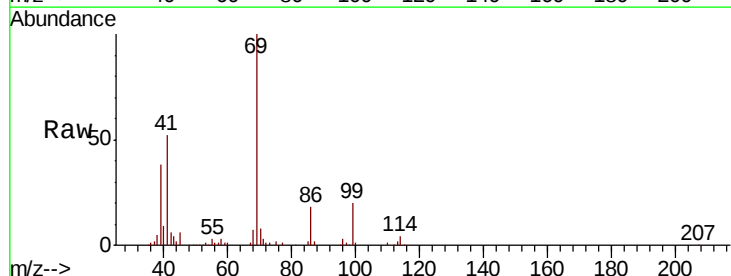


Abundance Ion 96.90 (96.60 to 97.60): VN0
 120000 Ion 82.90 (82.60 to 83.60): VN0
 100000 Ion 84.90 (84.60 to 85.60): VN0
 80000 Ion 98.90 (98.60 to 99.60): VN0

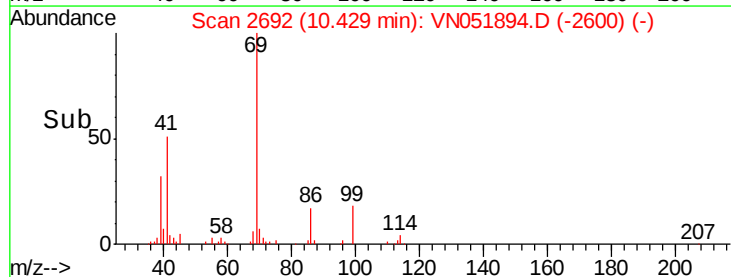
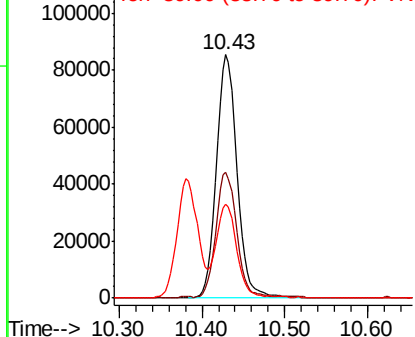


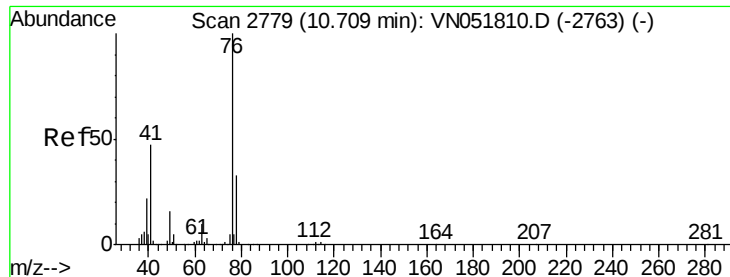
#56
 Ethyl methacrylate
 Concen: 16.471 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 69 Resp: 146992
 Ion Ratio Lower Upper
 69 100
 41 50.9 48.3 72.5
 39 38.7 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 100000 Ion 41.00 (40.70 to 41.70): VN0
 80000 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.049 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

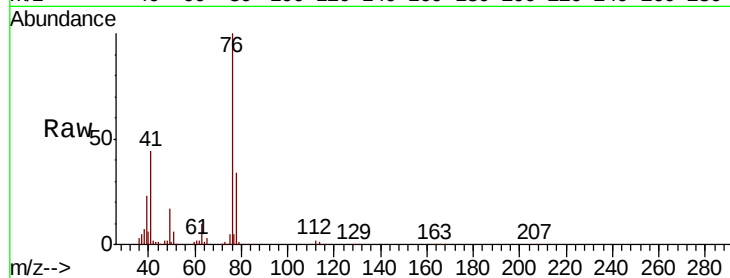
VN1016MBS01

Tgt Ion: 76 Resp: 212492

Ion Ratio Lower Upper

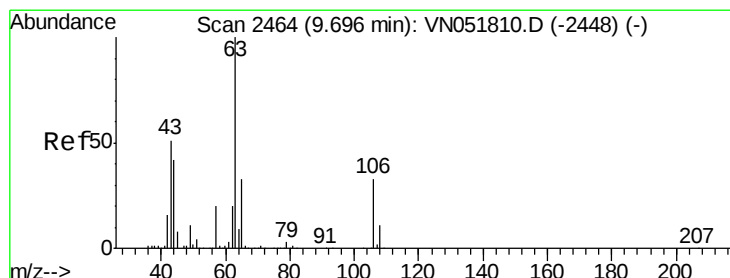
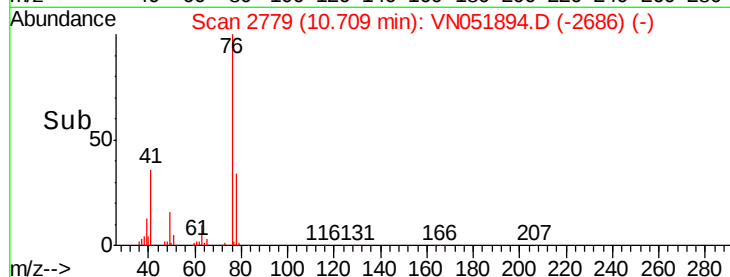
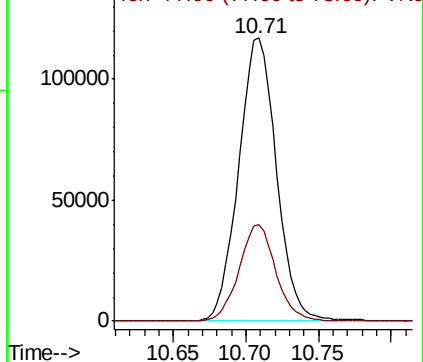
76 100

78 33.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 80.562 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051894.D

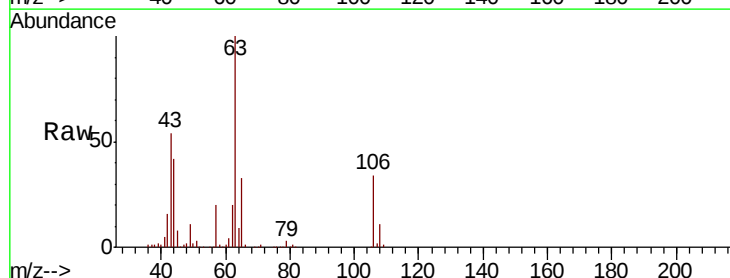
Acq: 16 Oct 2018 14:27

Tgt Ion: 63 Resp: 313058

Ion Ratio Lower Upper

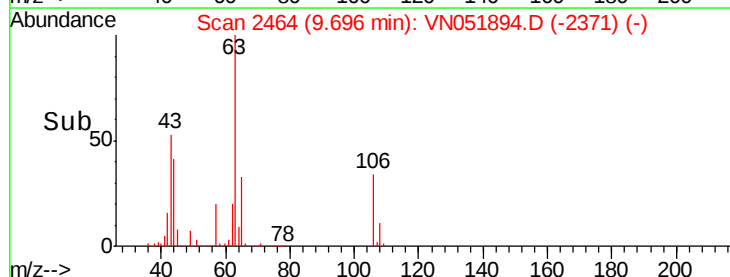
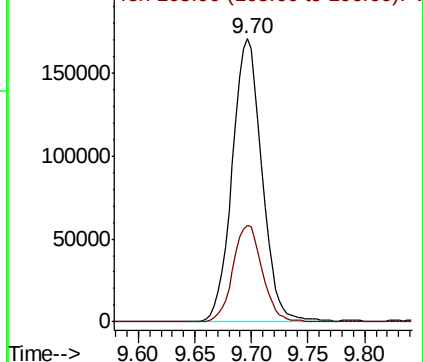
63 100

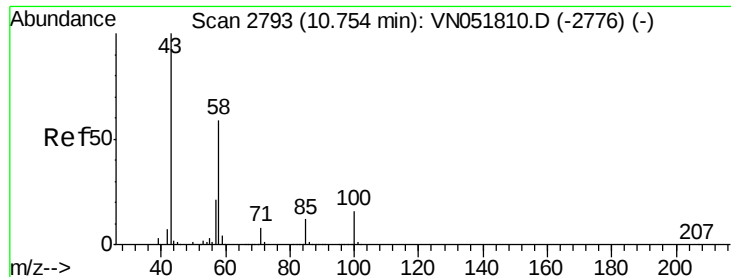
106 33.9 21.9 32.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

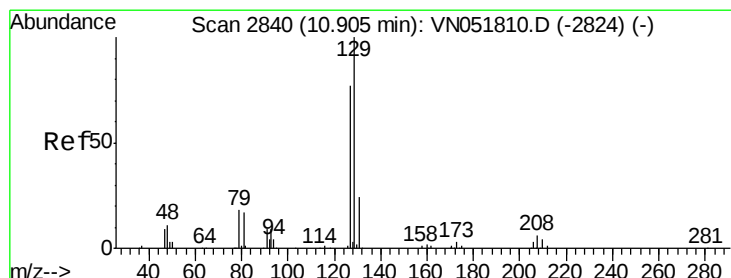
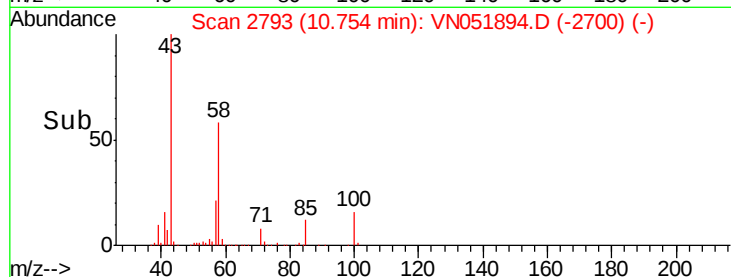
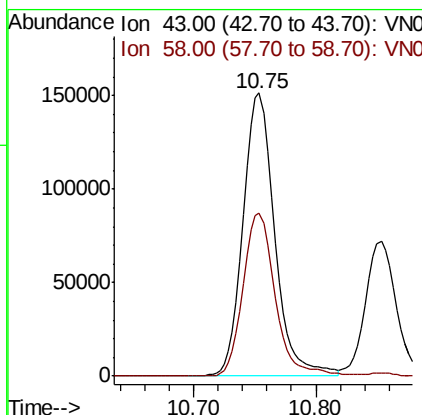
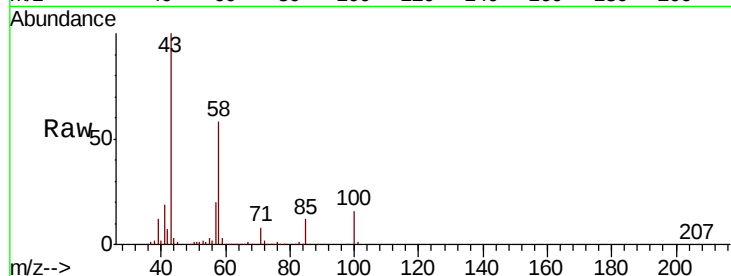




#59
2-Hexanone
Concen: 69.188 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

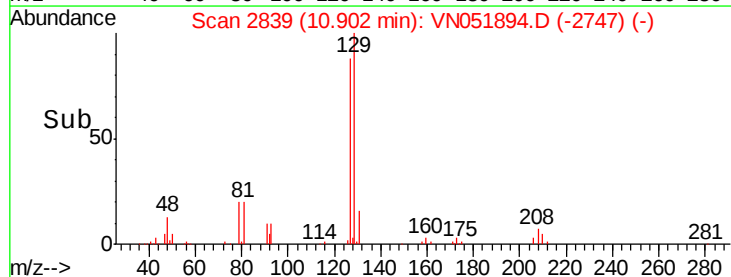
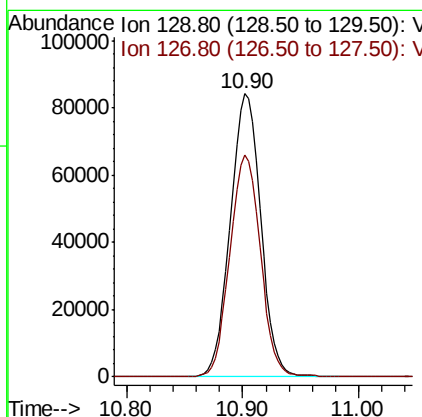
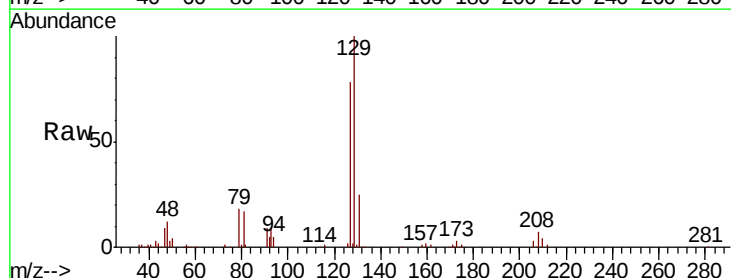
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

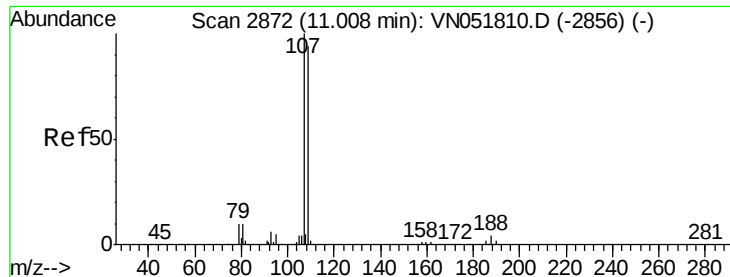
Tgt Ion: 43 Resp: 269342
Ion Ratio Lower Upper
43 100
58 58.7 28.3 85.0



#60
Dibromochloromethane
Concen: 17.003 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 129 Resp: 152958
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 17.894 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

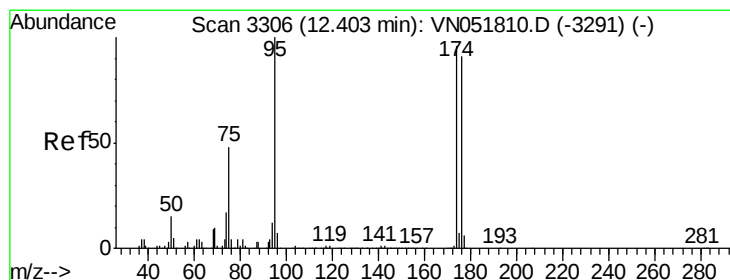
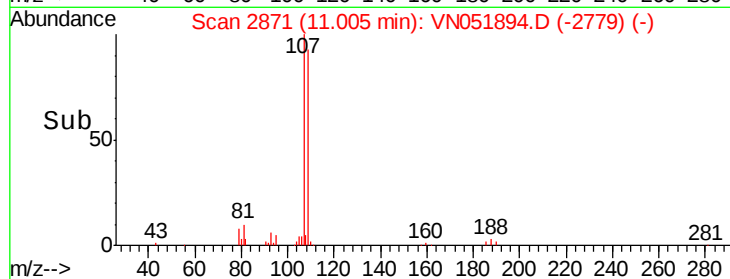
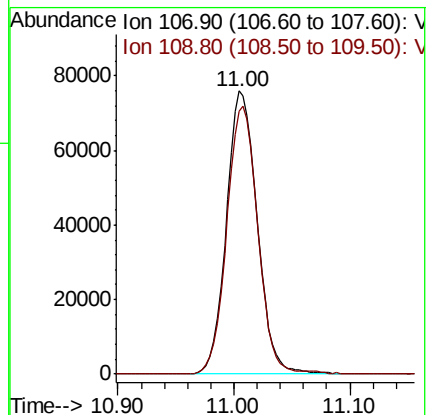
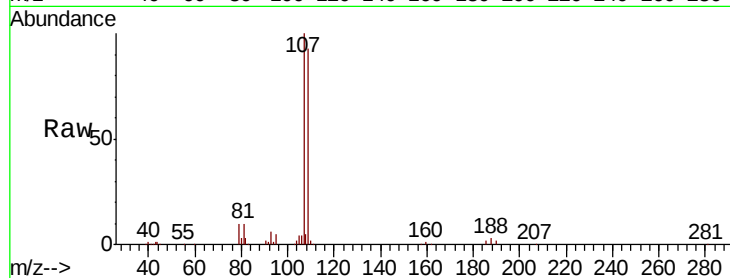
VN1016MBS01

Tgt Ion: 107 Resp: 139657

Ion Ratio Lower Upper

107 100

109 94.9 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 17.894 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

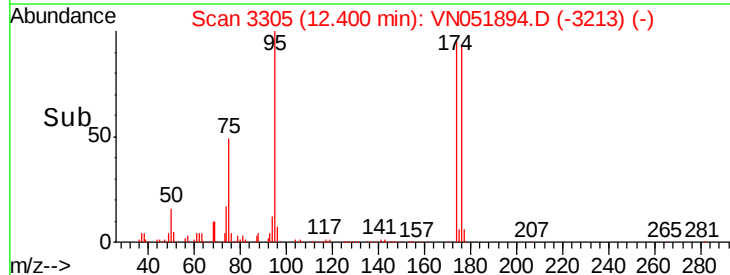
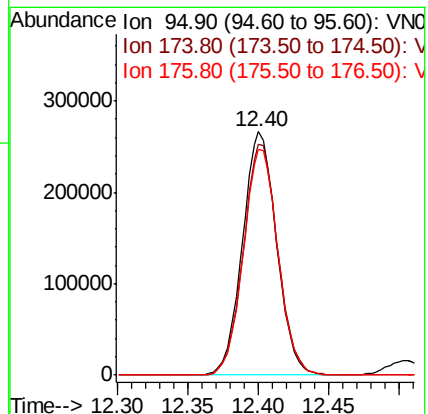
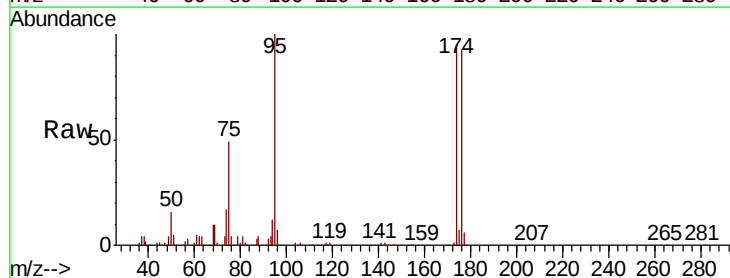
Tgt Ion: 95 Resp: 450522

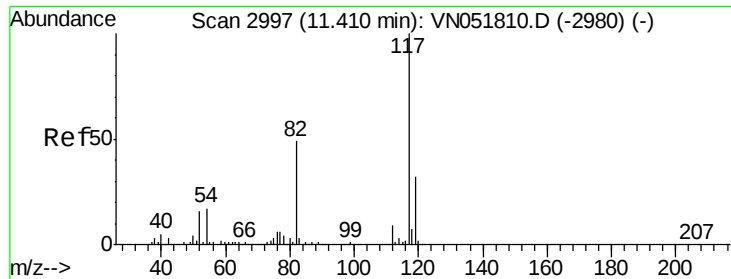
Ion Ratio Lower Upper

95 100

174 95.9 0.0 183.0

176 94.2 0.0 178.8

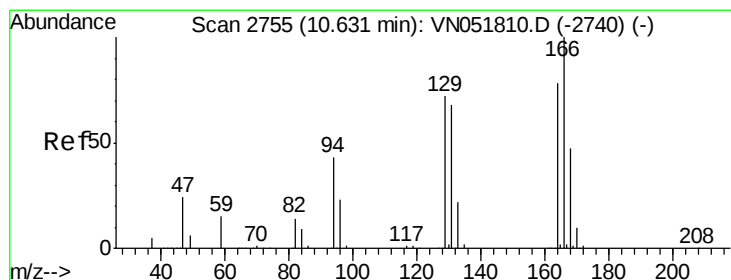
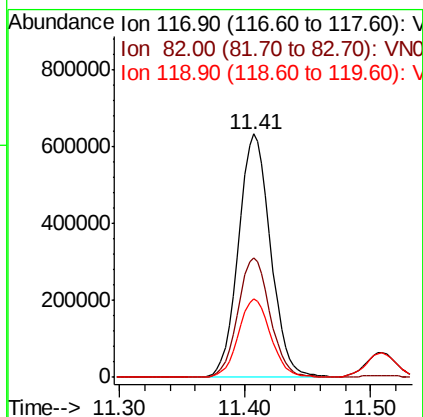
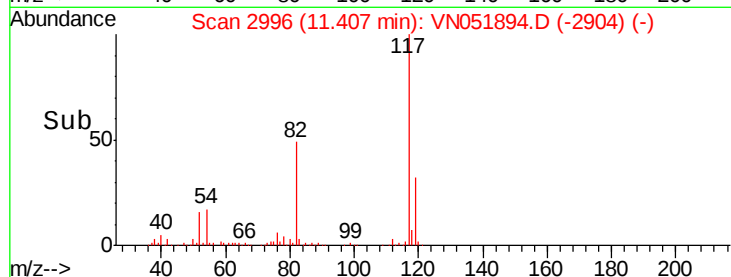
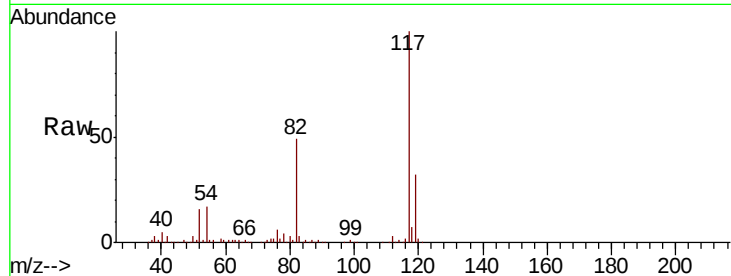




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

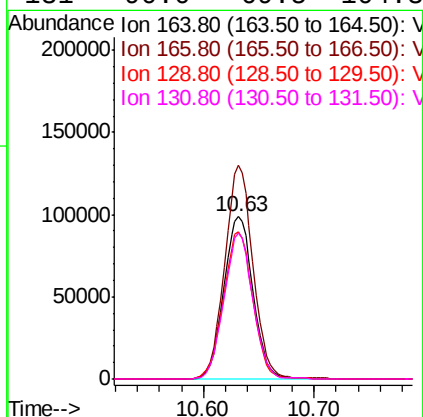
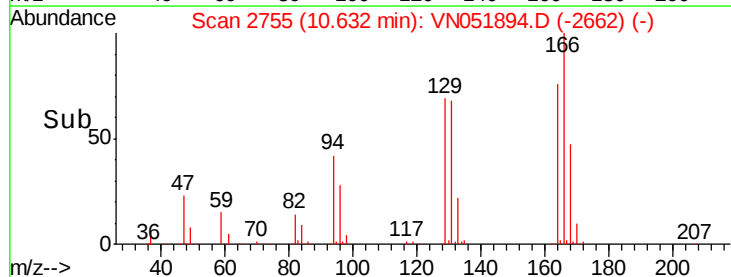
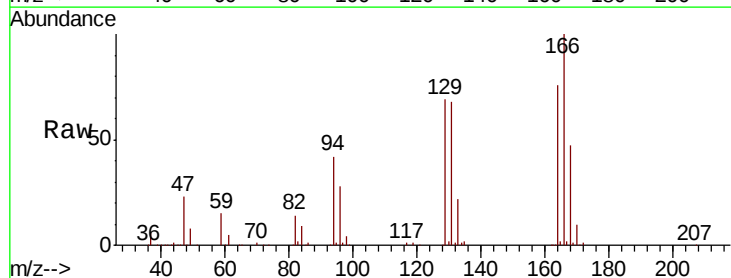
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

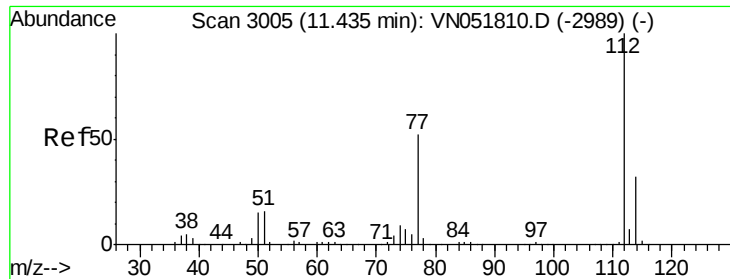
Tgt Ion:117 Resp: 1127096
Ion Ratio Lower Upper
117 100
82 48.9 42.6 64.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 21.000 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion:164 Resp: 181532
Ion Ratio Lower Upper
164 100
166 131.6 103.5 155.3
129 90.8 72.7 109.1
131 90.0 69.5 104.3

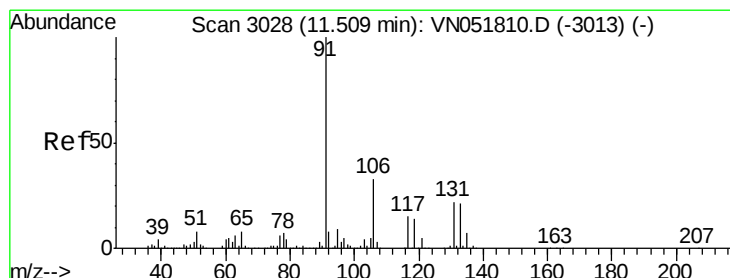
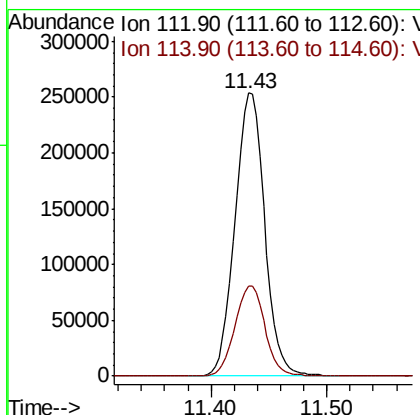
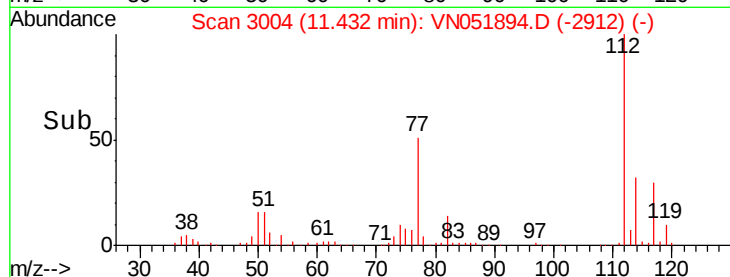
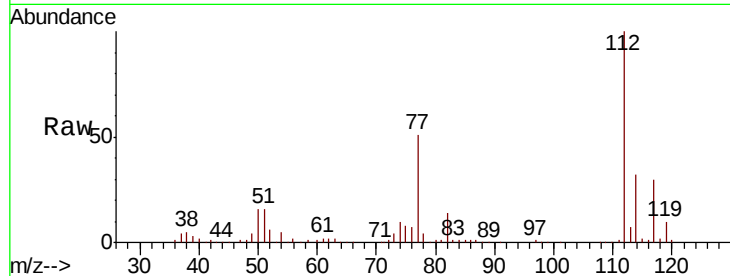




#65
Chlorobenzene
Concen: 19.694 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

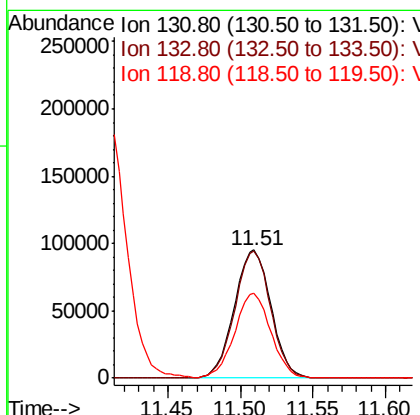
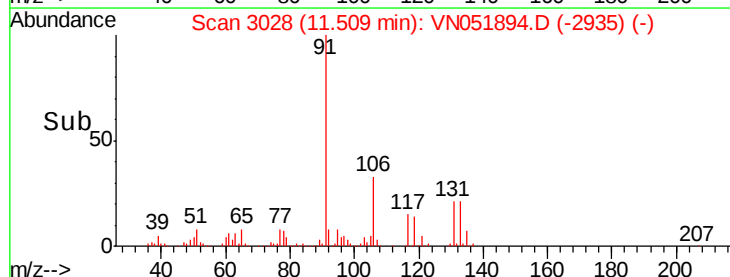
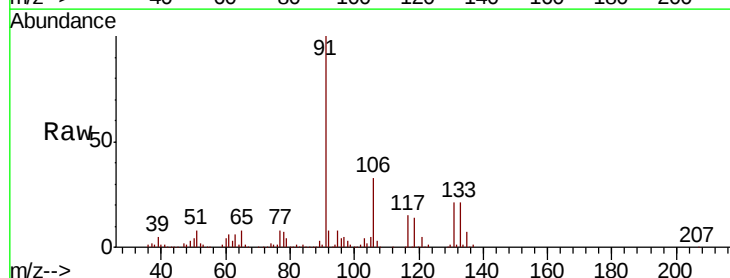
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

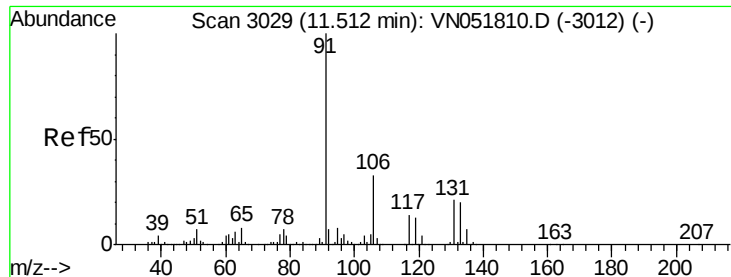
Tgt Ion:112 Resp: 448910
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.229 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion:131 Resp: 167058
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.3
119 65.3 32.8 98.4

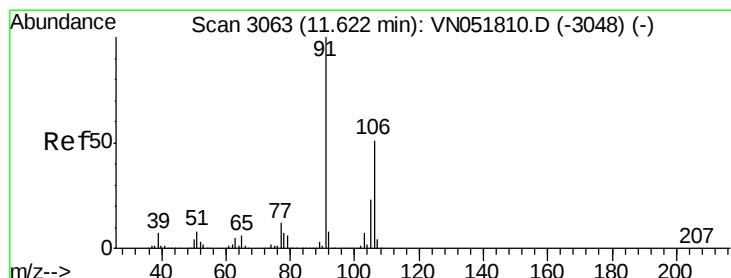
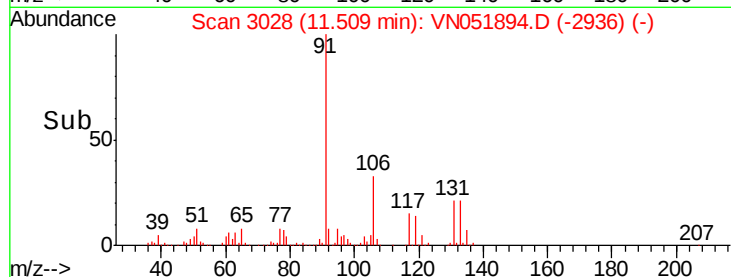
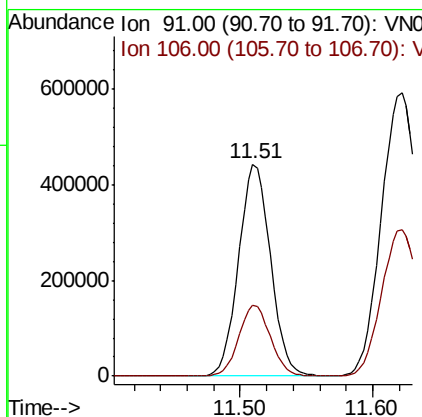
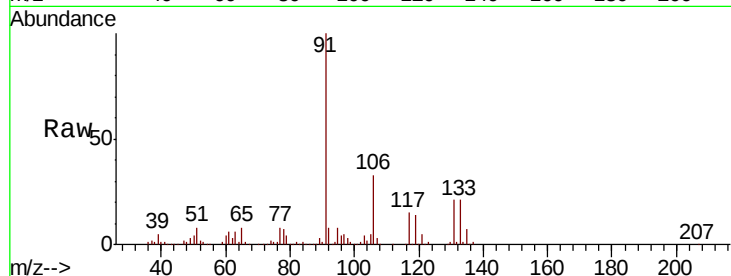




#67
Ethyl Benzene
Concen: 19.684 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

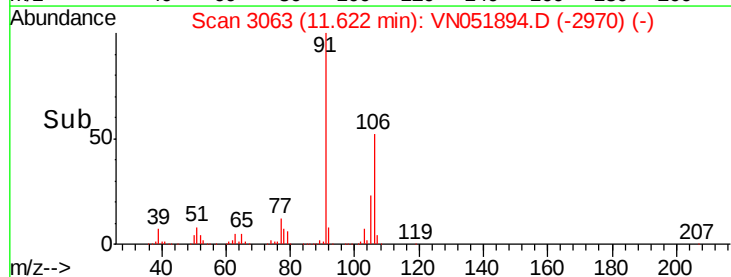
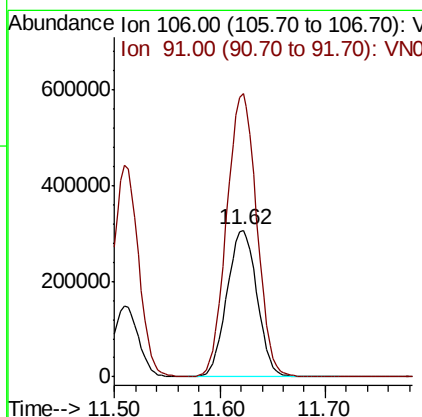
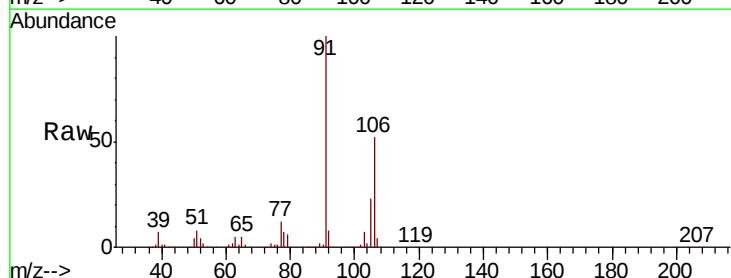
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

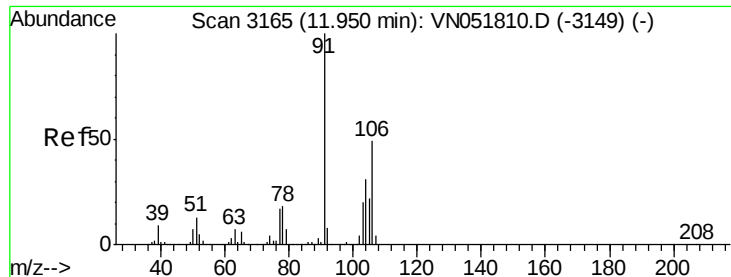
Tgt Ion: 91 Resp: 742758
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.4



#68
m/p-Xylenes
Concen: 39.760 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion: 106 Resp: 606040
Ion Ratio Lower Upper
106 100
91 192.4 161.0 241.6

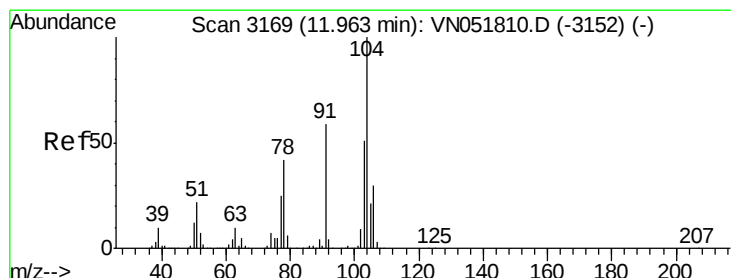
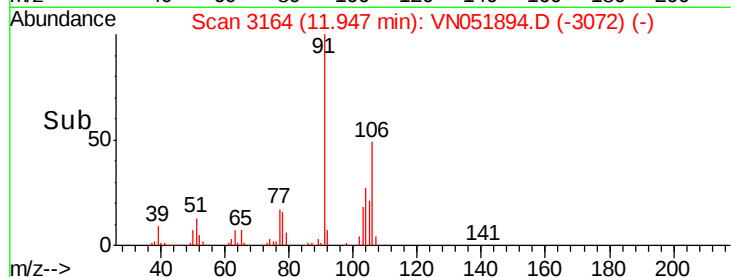
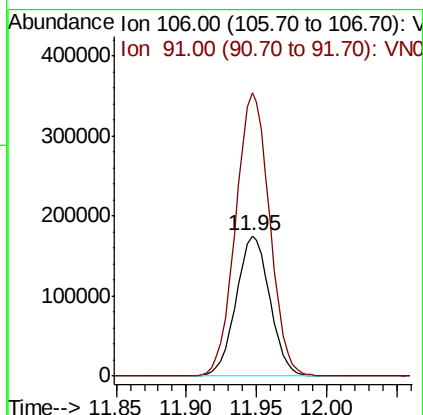
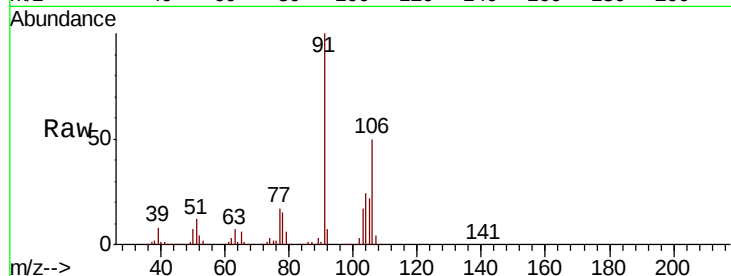




#69
o-Xylene
Concen: 19.849 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

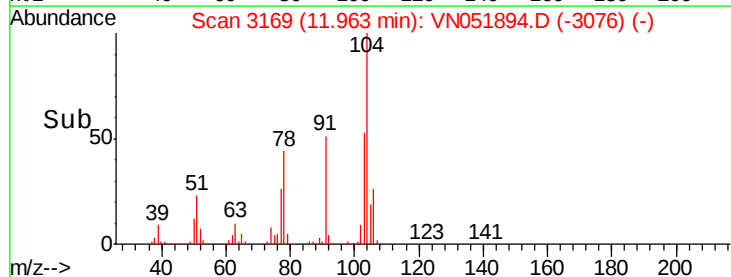
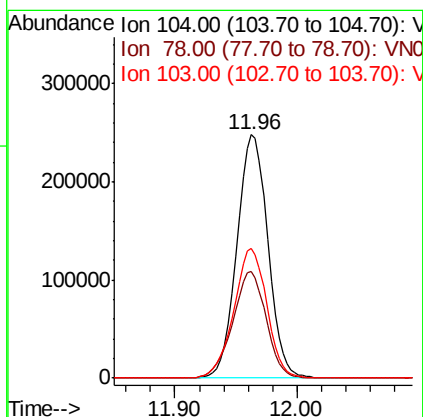
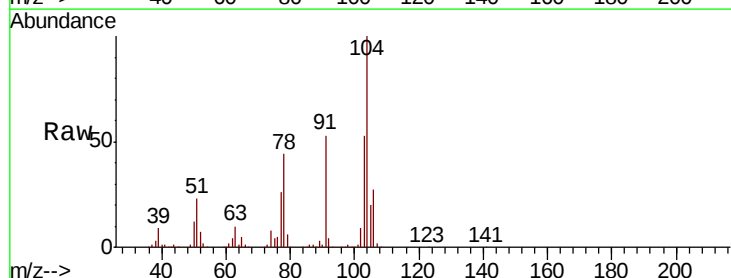
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBS01

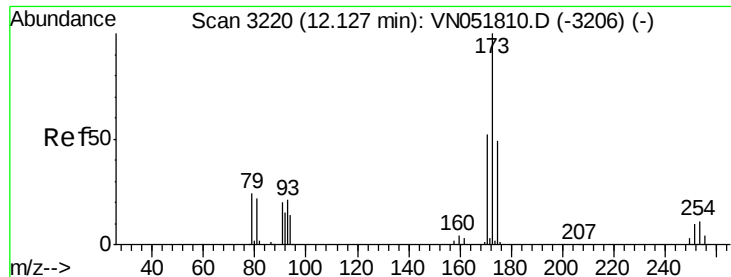
Tgt Ion:106 Resp: 293843
Ion Ratio Lower Upper
106 100
91 203.5 106.5 319.5



#70
Styrene
Concen: 19.048 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051894.D
Acq: 16 Oct 2018 14:27

Tgt Ion:104 Resp: 435010
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.4
103 56.8 44.4 66.6





#71

Bromoform

Concen: 15.755 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

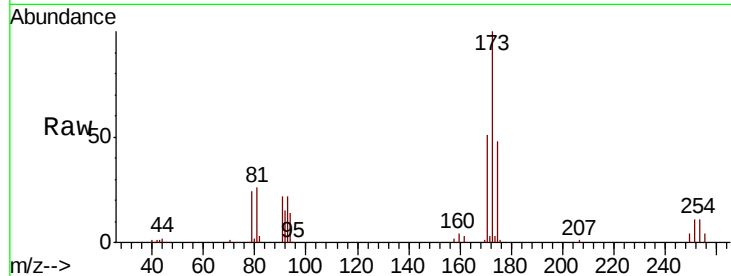
Tgt Ion:173 Resp: 89733

Ion Ratio Lower Upper

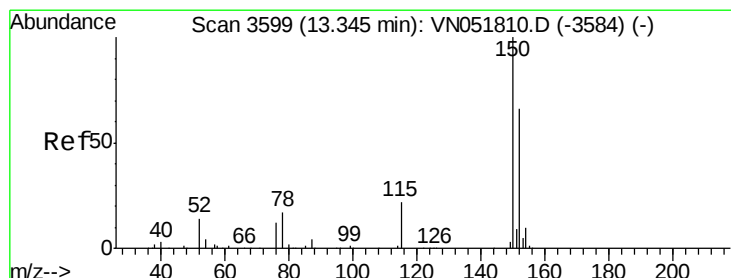
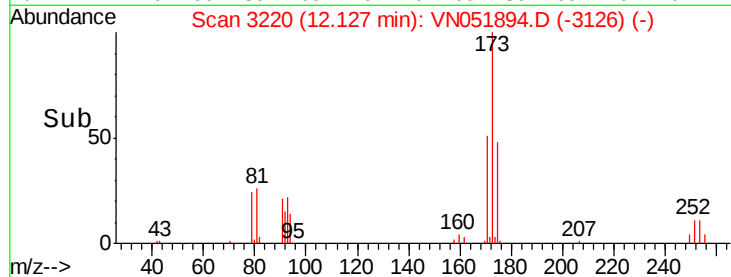
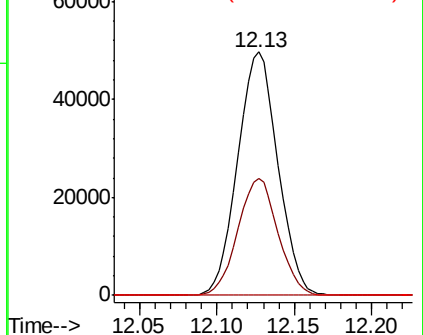
173 100

175 47.8 24.4 73.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

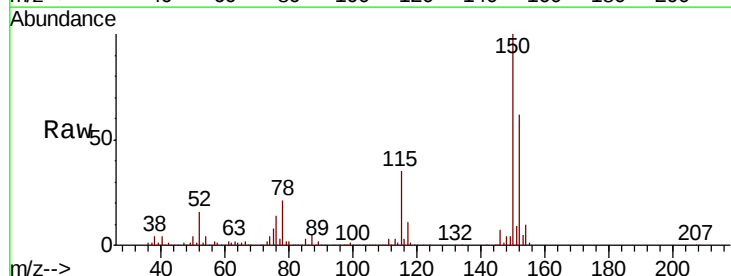
Tgt Ion:152 Resp: 491338

Ion Ratio Lower Upper

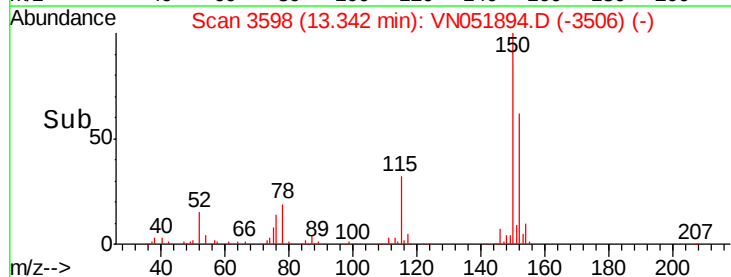
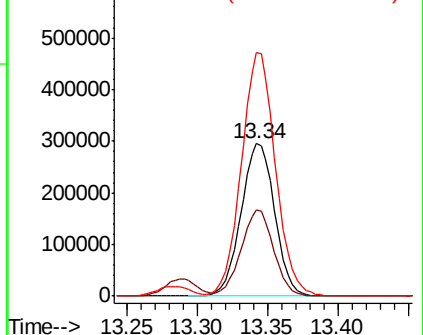
152 100

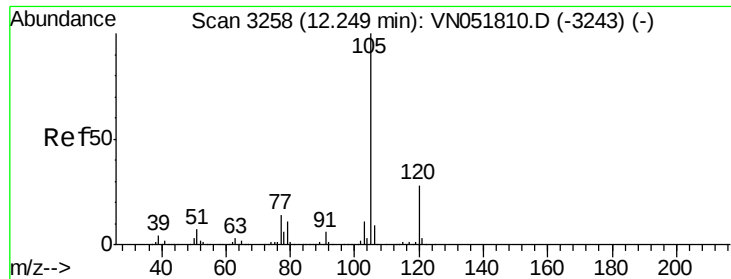
115 55.0 27.8 83.4

150 162.4 0.0 351.4



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: 20.685 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

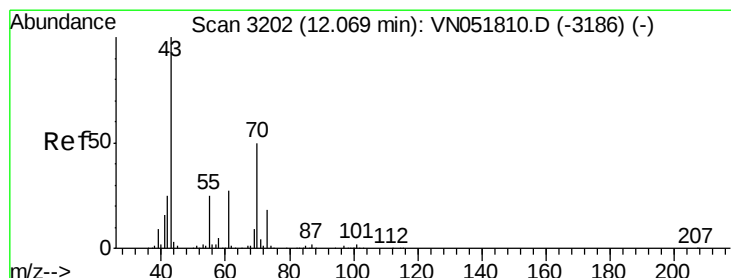
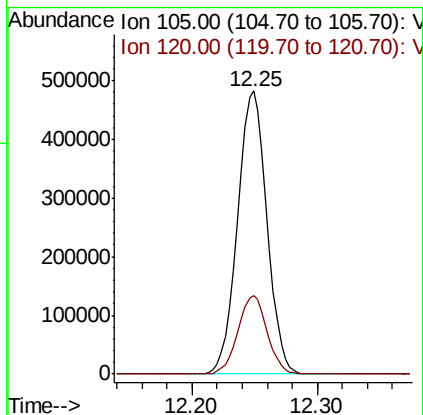
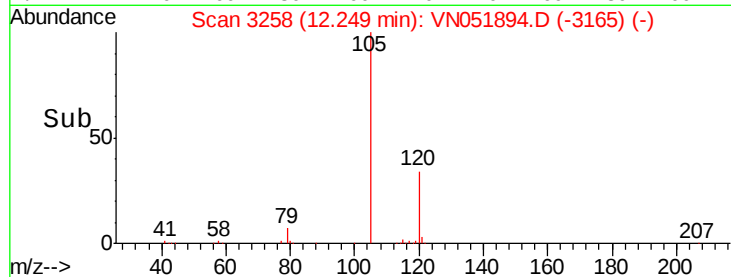
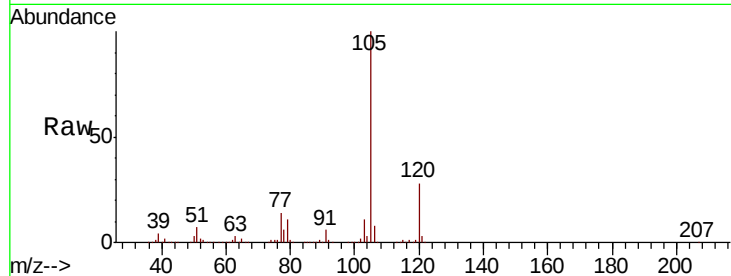
VN1016MBS01

Tgt Ion: 105 Resp: 783117

Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.4



#74

N-ethyl acetate

Concen: 15.985 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Tgt Ion: 43 Resp: 120023

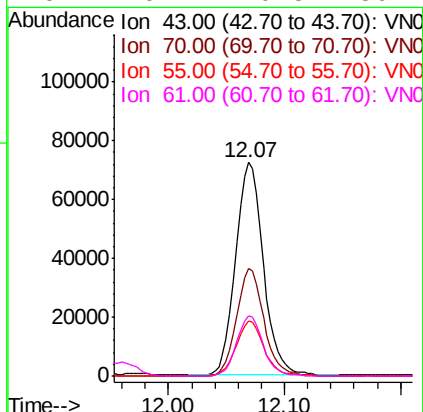
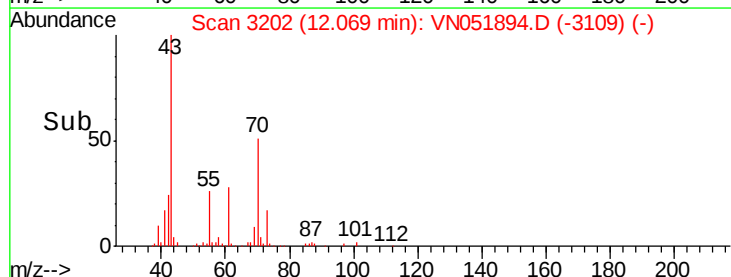
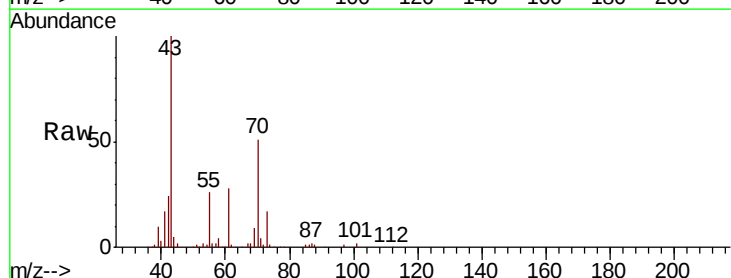
Ion Ratio Lower Upper

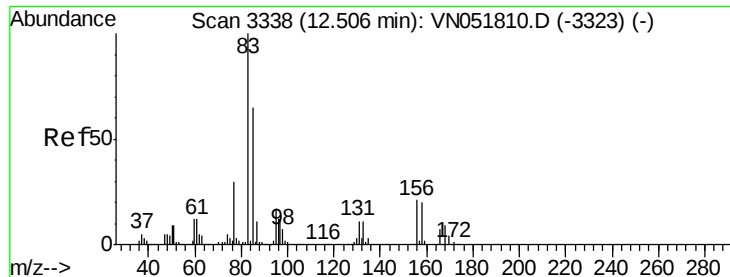
43 100

70 49.8 36.2 54.2

55 26.1 21.8 32.8

61 26.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.105 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

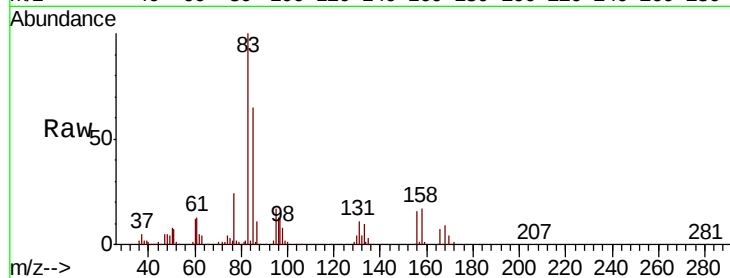
Tgt Ion: 83 Resp: 150561

Ion Ratio Lower Upper

83 100

131 12.1 5.3 15.9

85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN051810.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051810.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051810.D (-3323) (-)

120000

100000

80000

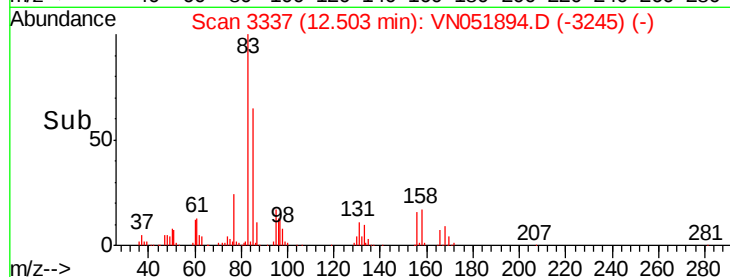
60000

40000

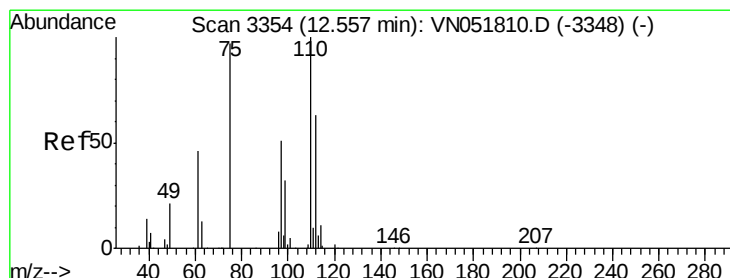
20000

0

Time-->



12.50



#76

1,2,3-Trichloropropane

Concen: 28.147 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051894.D

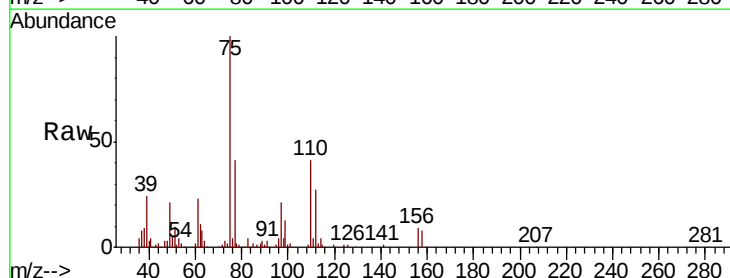
Acq: 16 Oct 2018 14:27

Tgt Ion: 75 Resp: 171812

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051810.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051810.D (-3348) (-)

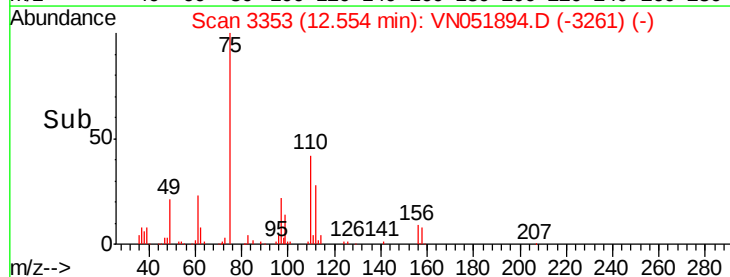
150000

100000

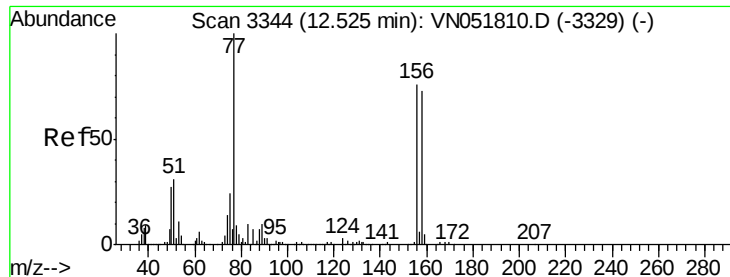
50000

0

Time-->



12.55



#77

Bromobenzene

Concen: 20.367 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

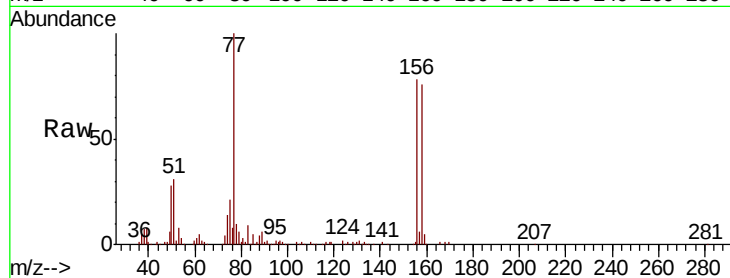
Tgt Ion:156 Resp: 192268

Ion Ratio Lower Upper

156 100

77 148.5 89.9 269.7

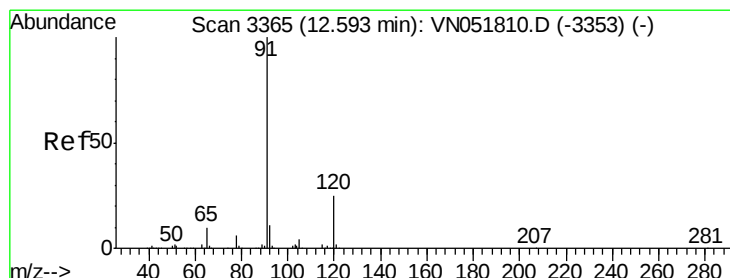
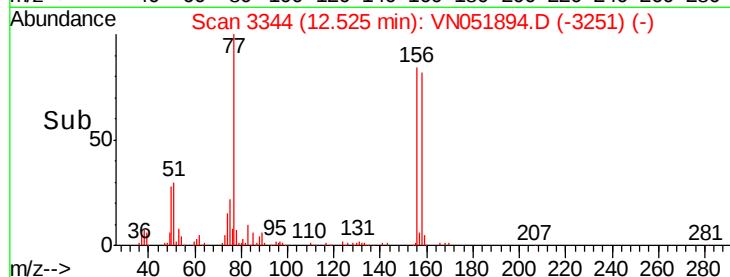
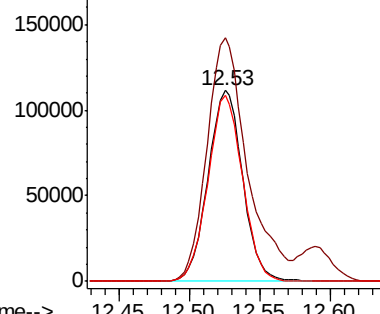
158 97.2 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.659 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051894.D

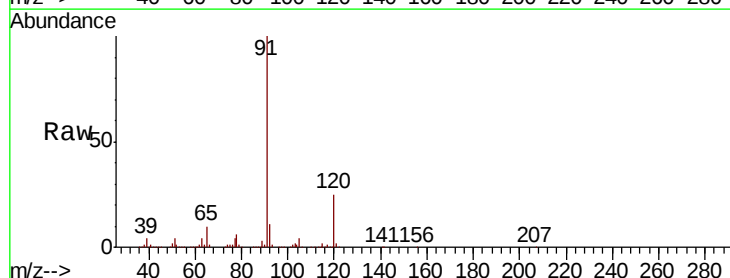
Acq: 16 Oct 2018 14:27

Tgt Ion: 91 Resp: 819082

Ion Ratio Lower Upper

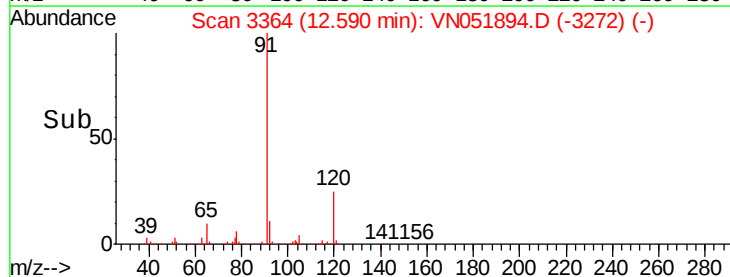
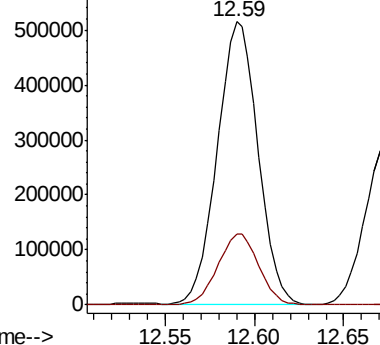
91 100

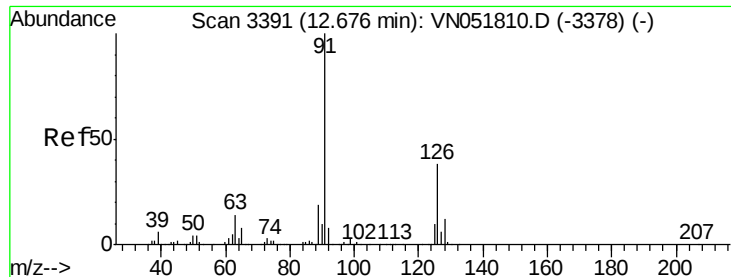
120 25.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.558 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

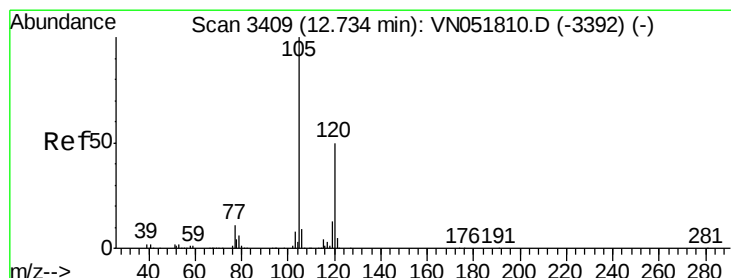
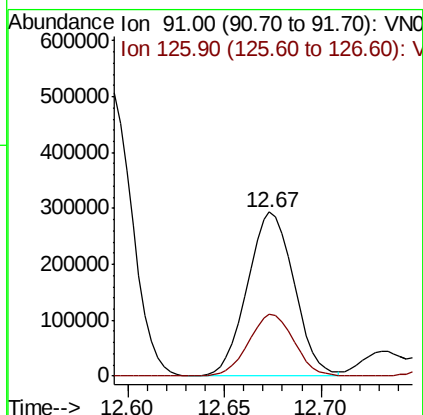
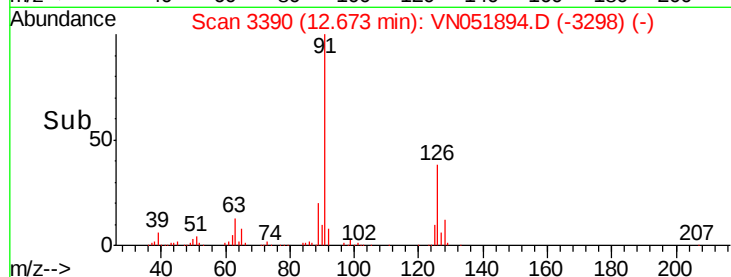
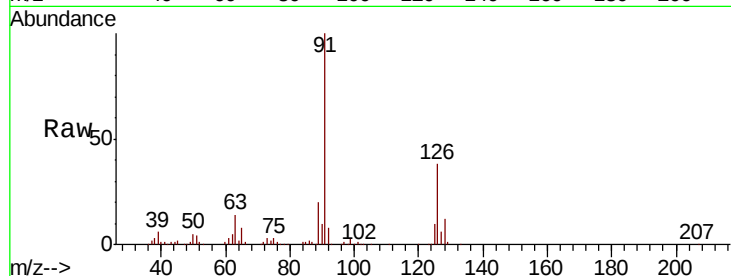
VN1016MBS01

Tgt Ion: 91 Resp: 490980

Ion Ratio Lower Upper

91 100

126 37.2 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.772 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051894.D

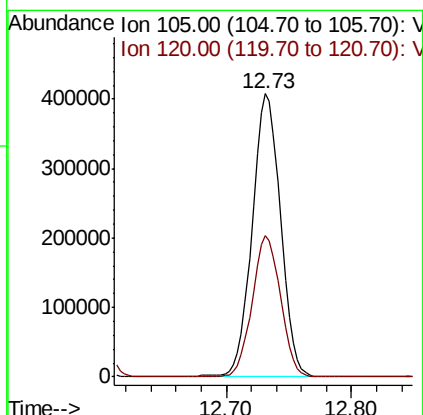
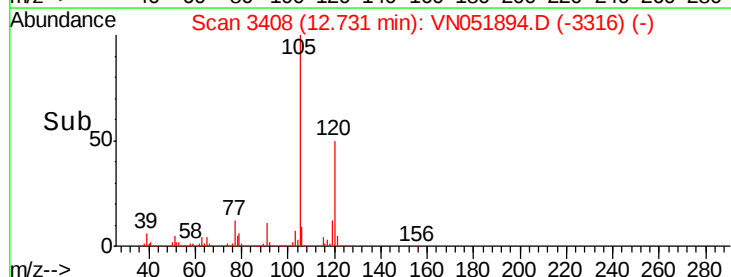
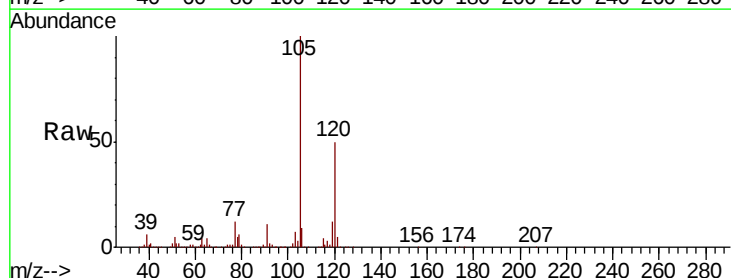
Acq: 16 Oct 2018 14:27

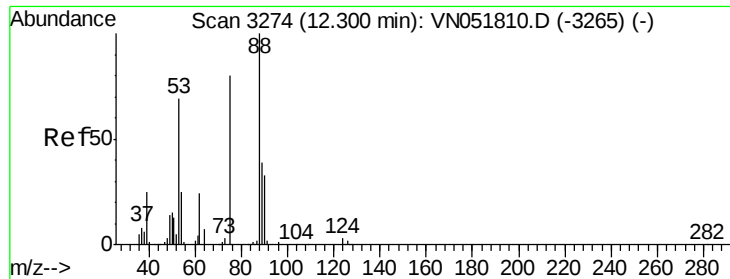
Tgt Ion: 105 Resp: 640823

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.277 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

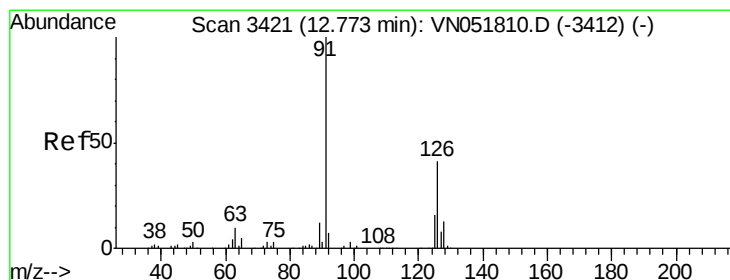
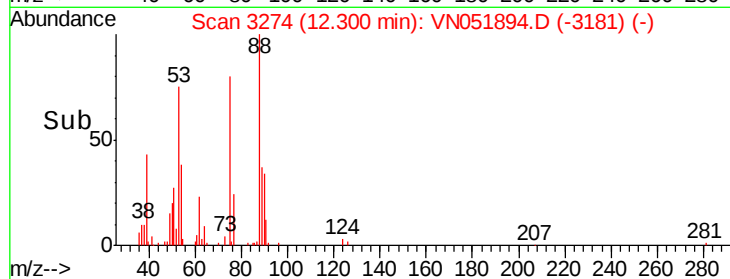
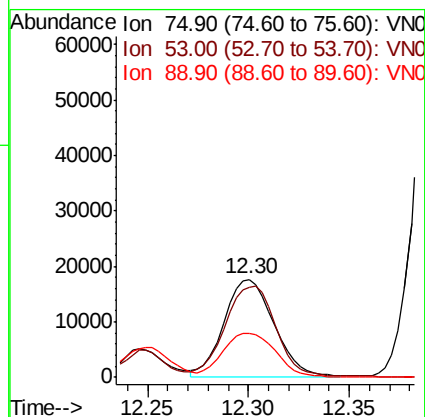
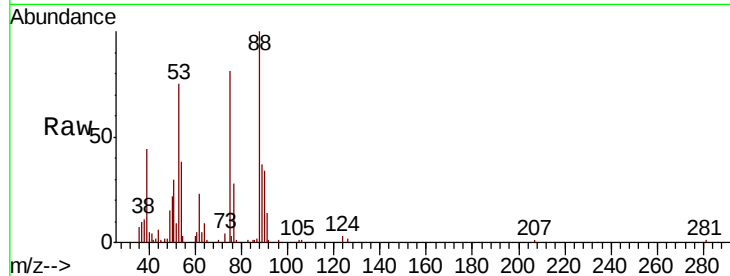
Tgt Ion: 75 Resp: 30463

Ion Ratio Lower Upper

75 100

53 94.6 68.9 103.3

89 48.0 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.512 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051894.D

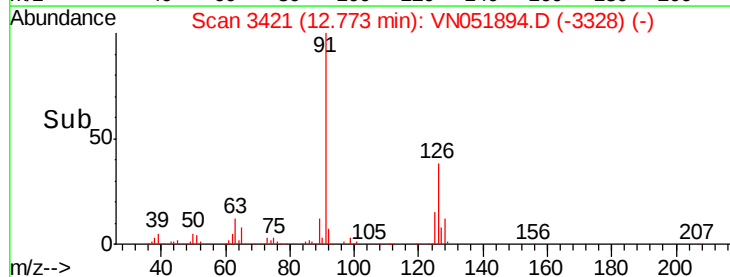
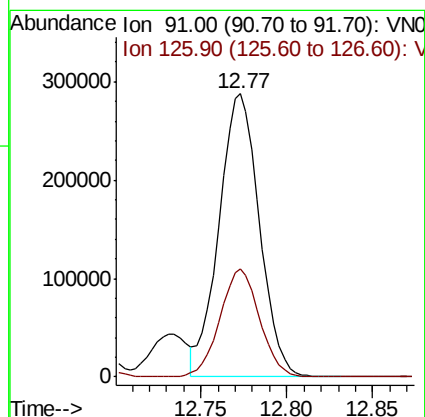
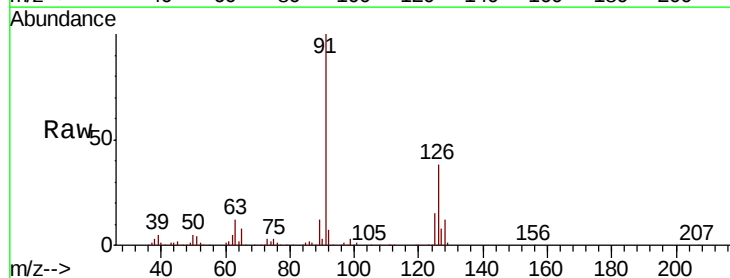
Acq: 16 Oct 2018 14:27

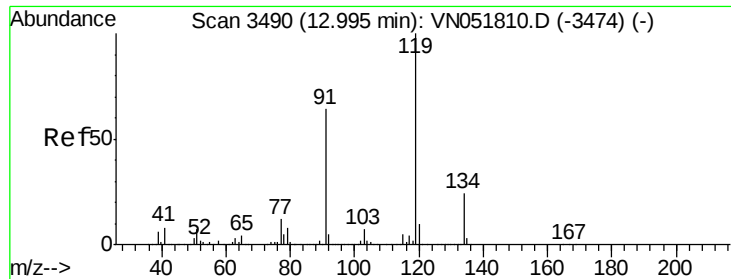
Tgt Ion: 91 Resp: 470749

Ion Ratio Lower Upper

91 100

126 37.6 17.5 52.5

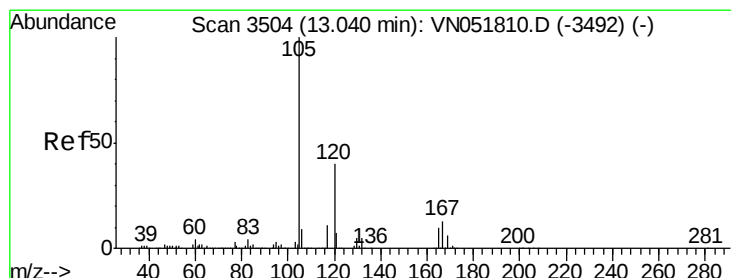
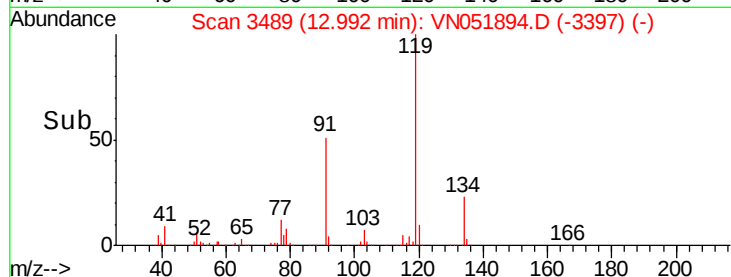
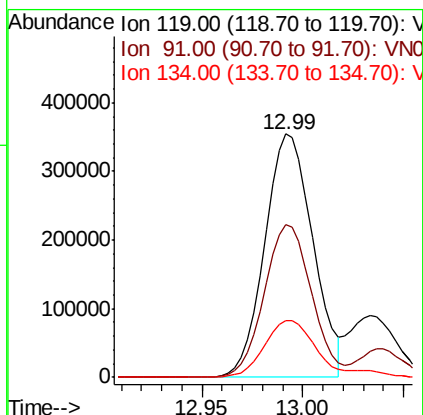
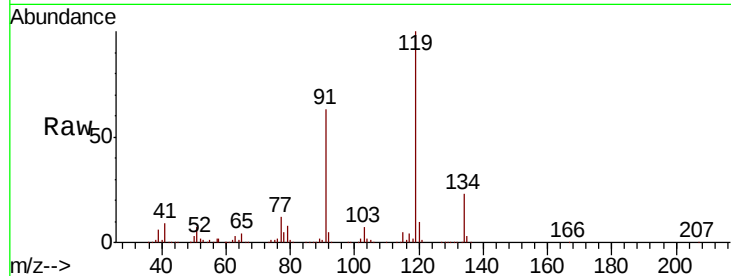




#83
 tert-Butylbenzene
 Concen: 20.557 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

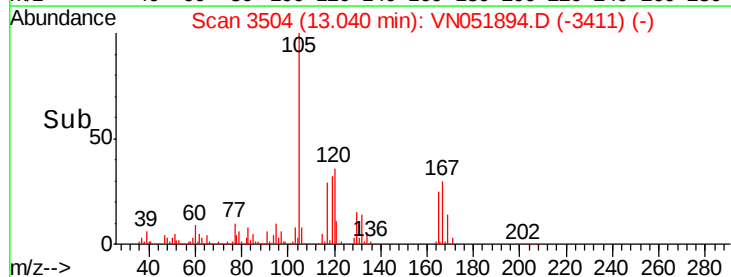
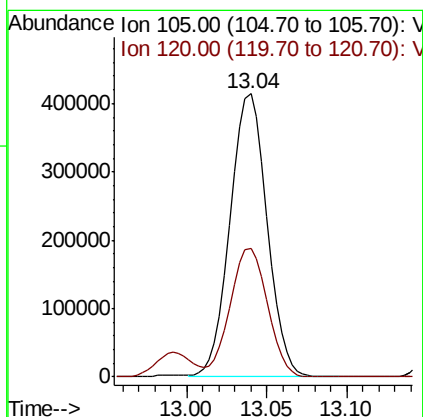
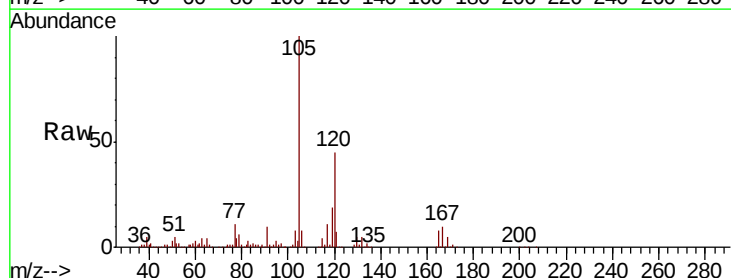
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

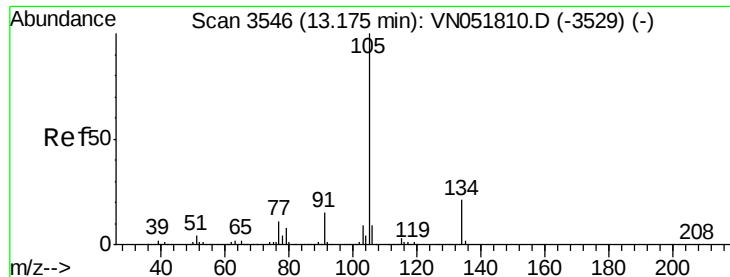
Tgt Ion:119 Resp: 588184
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.6 94.7
 134 26.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.180 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion:105 Resp: 650595
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8

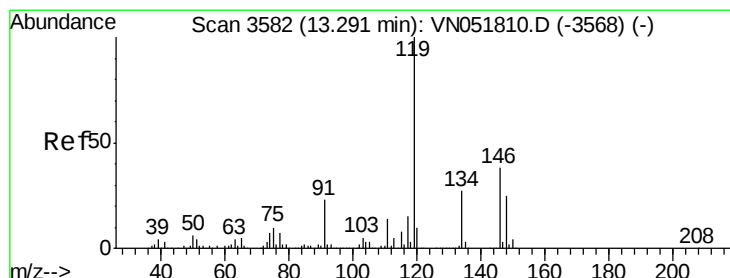
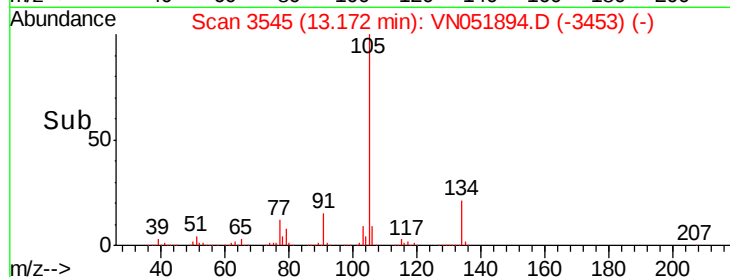
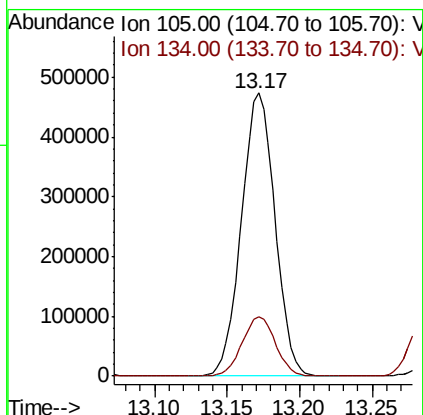
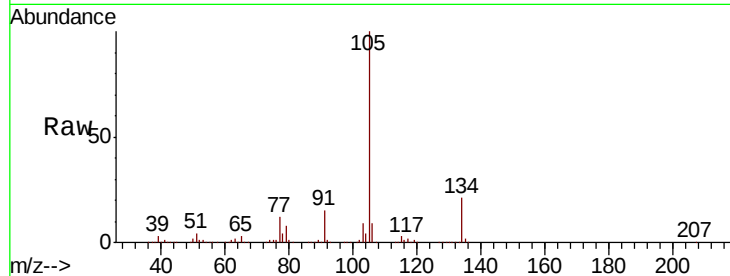




#85
 sec-Butylbenzene
 Concen: 20.559 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

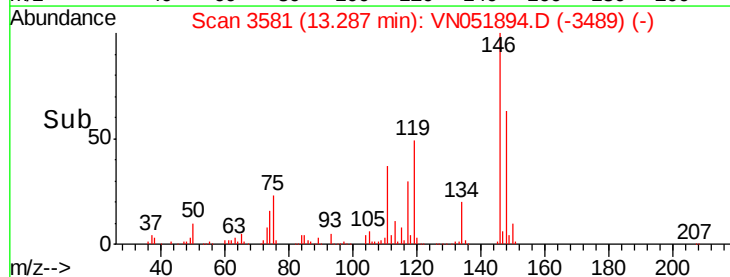
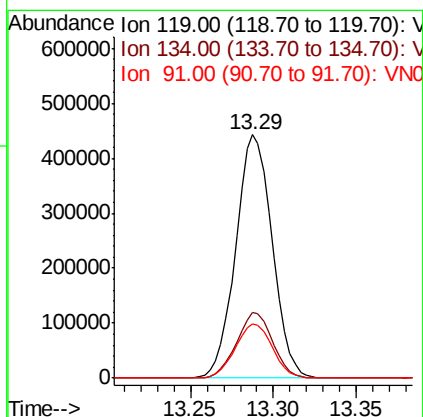
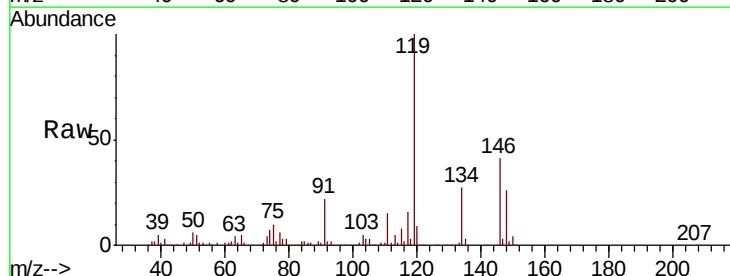
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

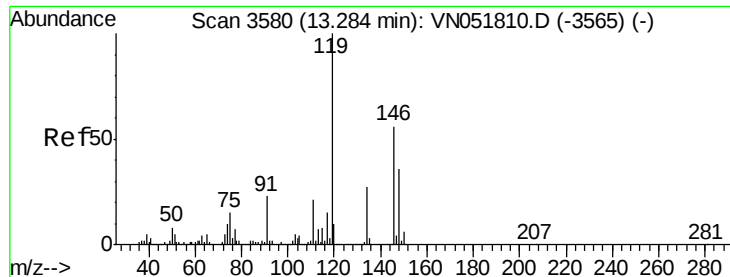
Tgt Ion:105 Resp: 762084
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.666 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion:119 Resp: 673677
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.7 41.0
 91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.175 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

VN1016MBS01

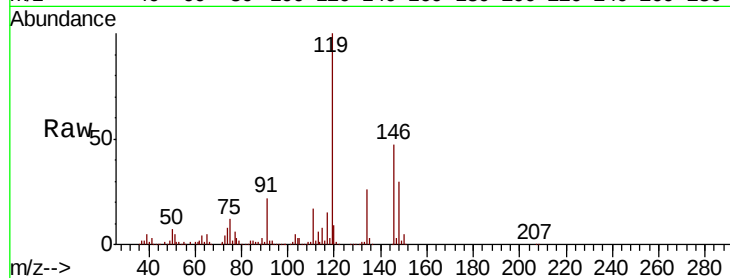
Tgt Ion:146 Resp: 325722

Ion Ratio Lower Upper

146 100

111 36.8 19.1 57.3

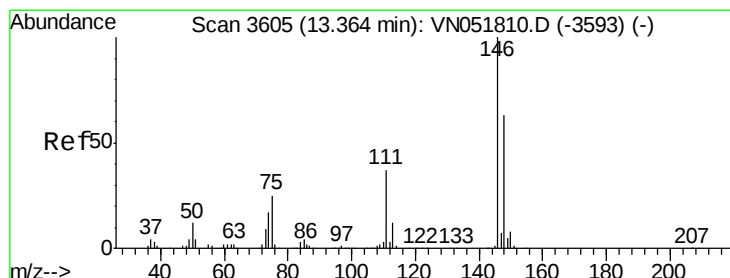
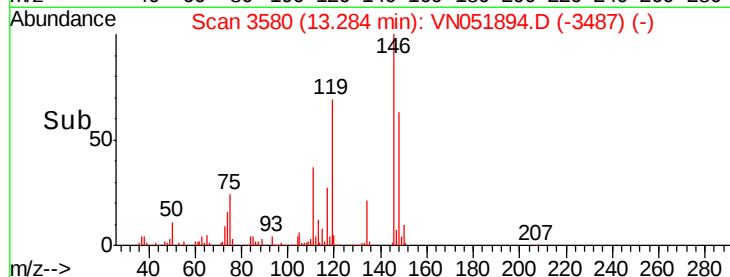
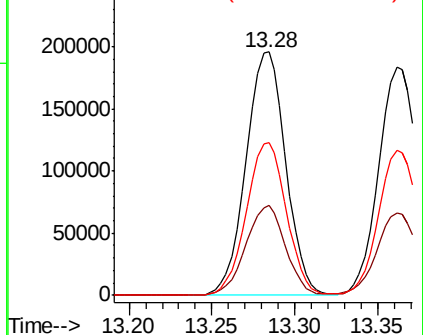
148 63.3 32.2 96.6



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: 19.552 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

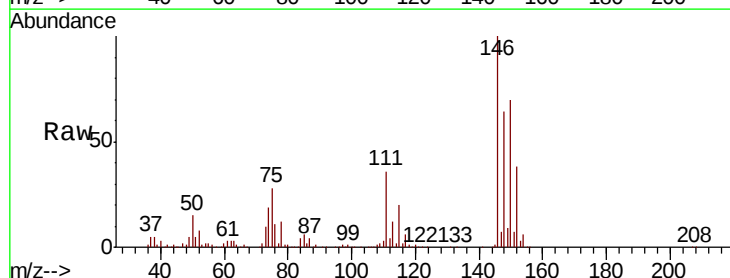
Tgt Ion:146 Resp: 305967

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.3

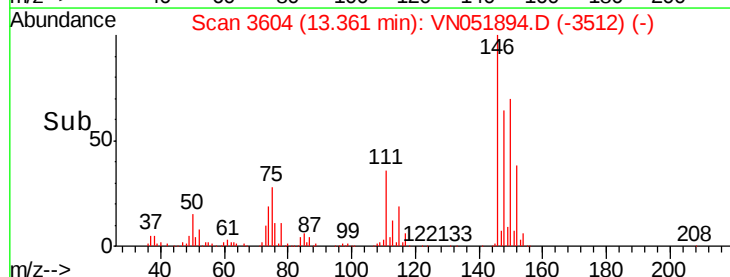
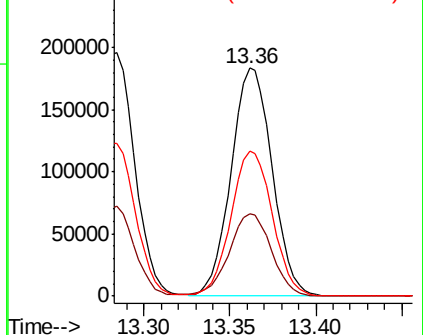
148 64.1 32.2 96.6

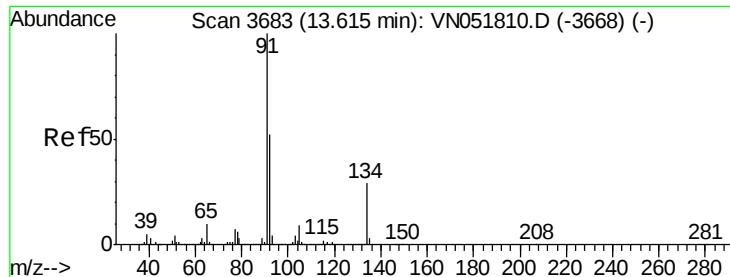


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.040 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

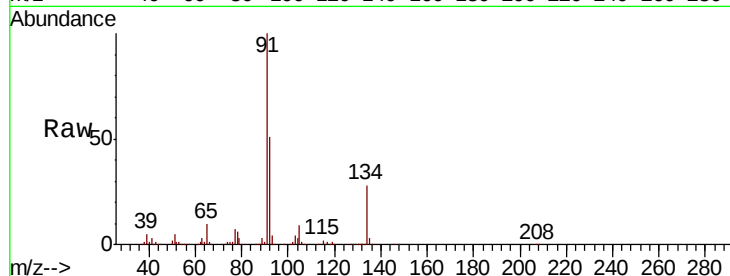
Tgt Ion: 91 Resp: 485671

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.2

134 28.8 13.2 39.6

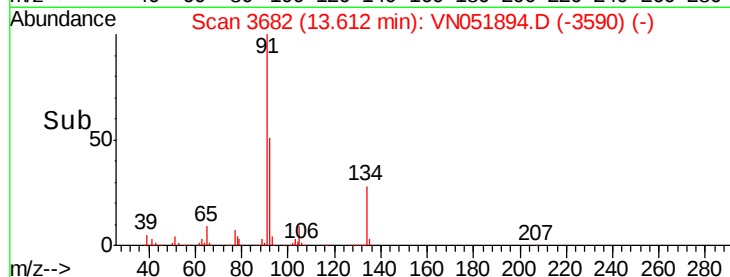


Abundance Ion 91.00 (90.70 to 91.70): VN051810.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051810.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051810.D (-3668) (-)

Time-->

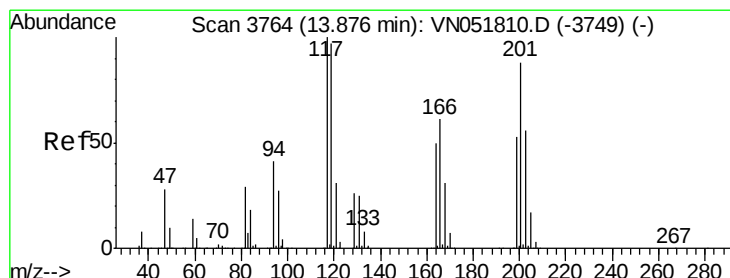


Abundance Ion 91.00 (90.70 to 91.70): VN051894.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN051894.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN051894.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 17.702 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051894.D

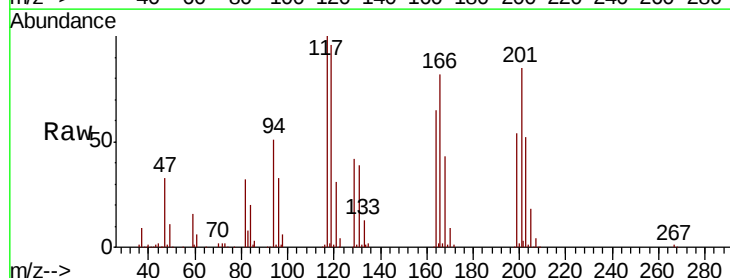
Acq: 16 Oct 2018 14:27

Tgt Ion: 117 Resp: 104734

Ion Ratio Lower Upper

117 100

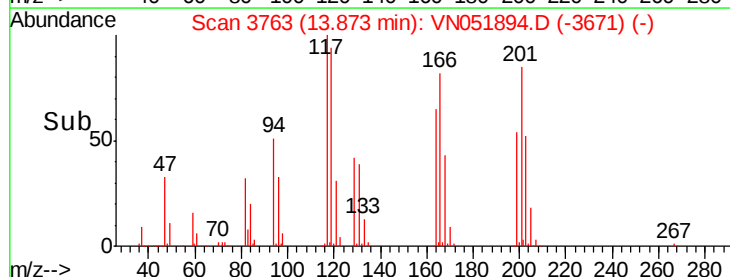
201 86.5 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN051810.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051810.D (-3749) (-)

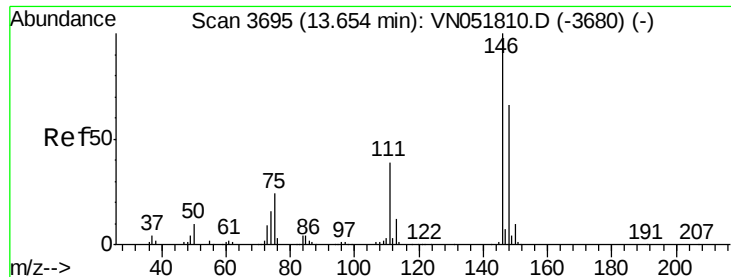
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN051894.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN051894.D (-3671) (-)

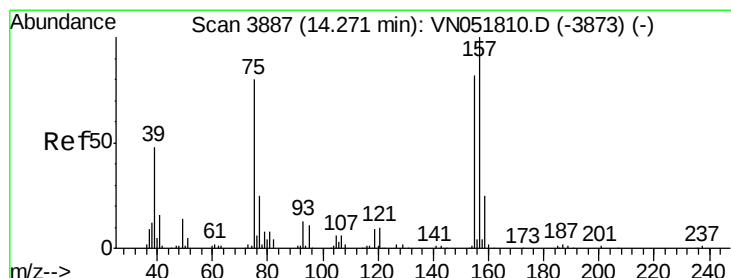
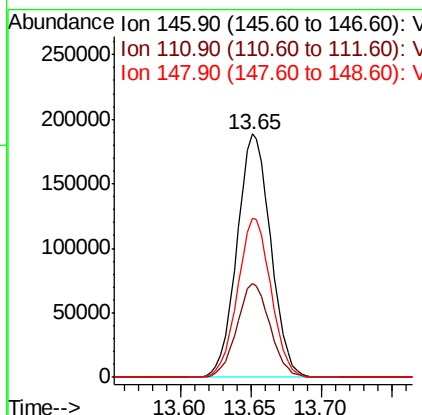
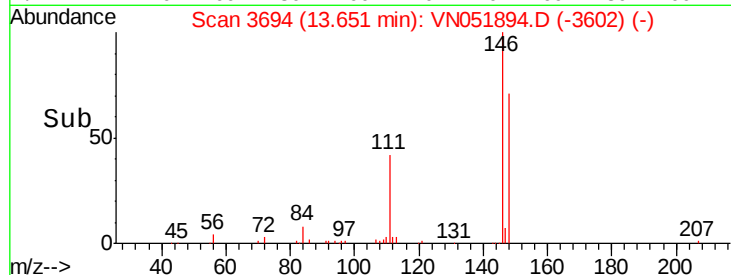
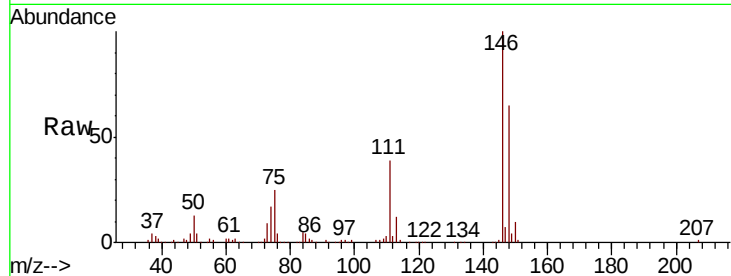
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 20.230 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

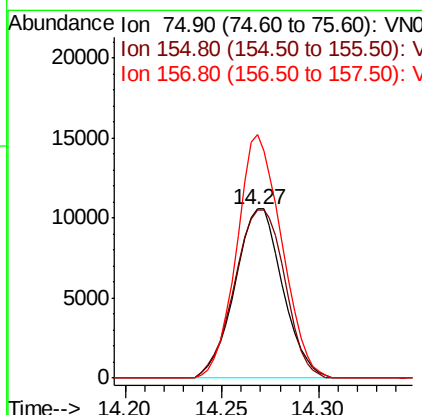
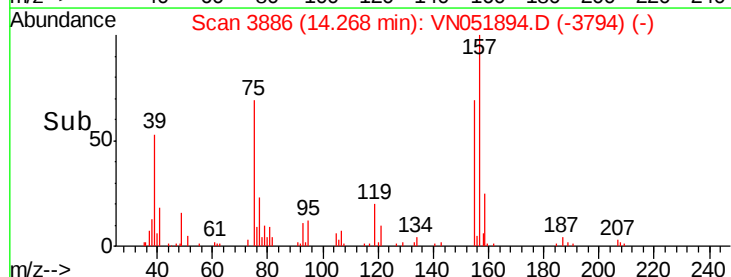
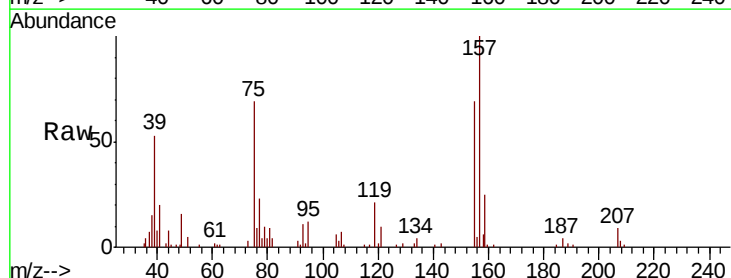
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

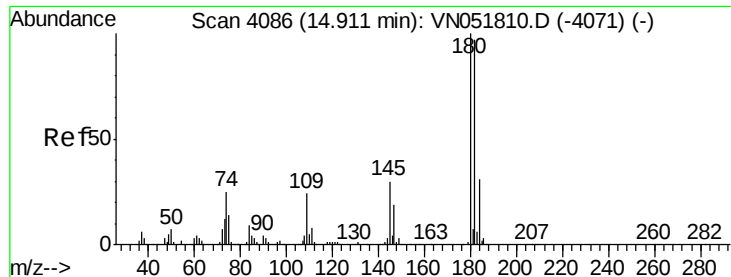
Tgt Ion: 146 Resp: 315607
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.8 59.3
 148 64.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.826 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion: 75 Resp: 18151
 Ion Ratio Lower Upper
 75 100
 155 104.2 46.4 139.1
 157 135.4 60.7 182.0

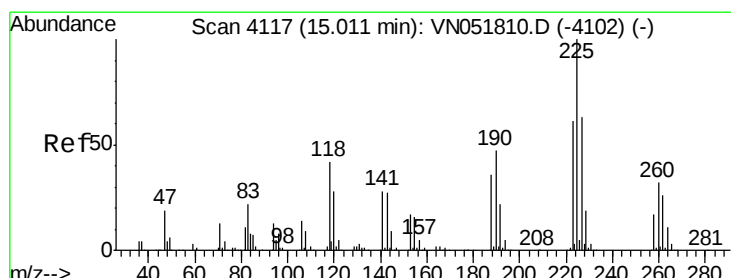
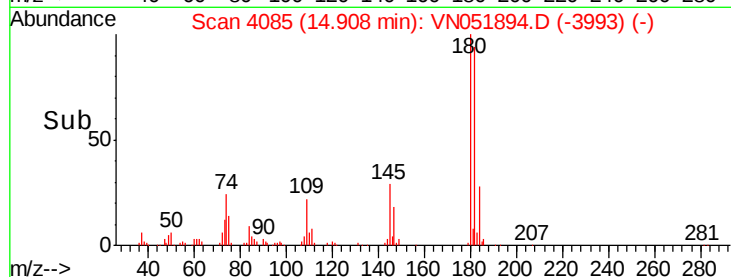
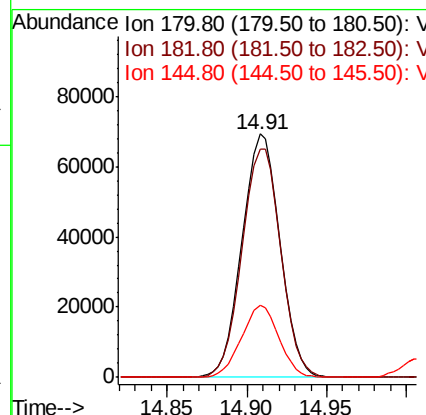
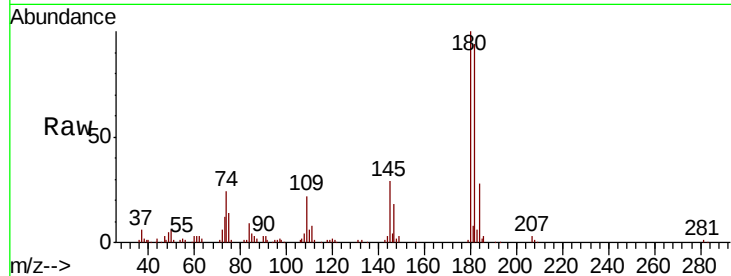




#93
 1,2,4-Trichlorobenzene
 Concen: 16.212 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

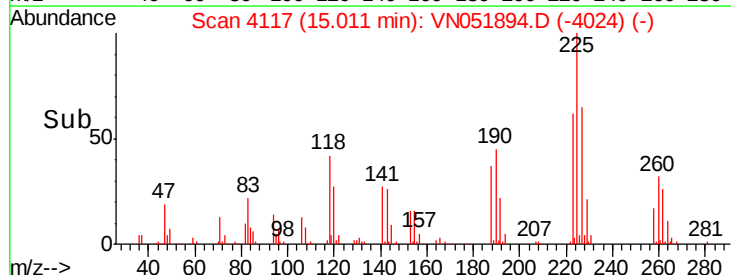
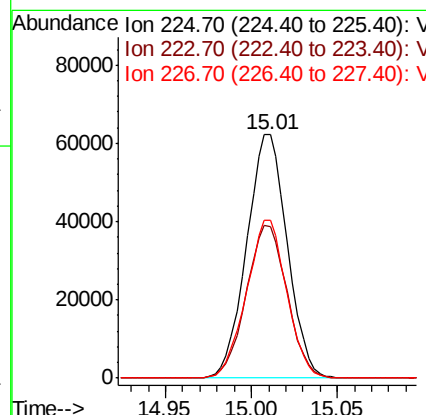
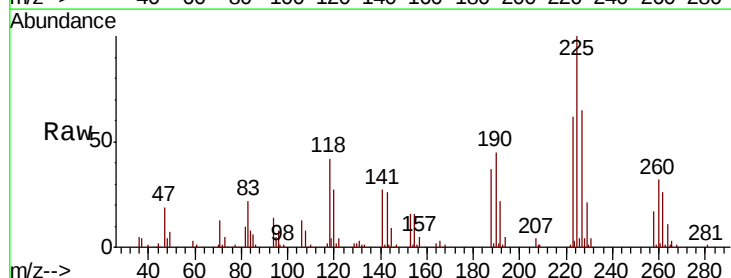
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBS01

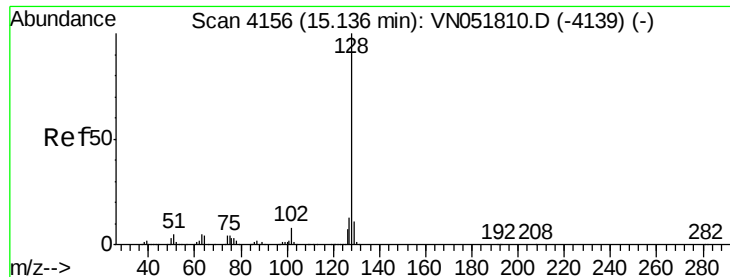
Tgt Ion:180 Resp: 111657
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.2 144.6
 145 29.2 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 20.177 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051894.D
 Acq: 16 Oct 2018 14:27

Tgt Ion:225 Resp: 101753
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.3 93.8
 227 64.2 32.0 96.2





#95

Naphthalene

Concen: 15.235 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBS01

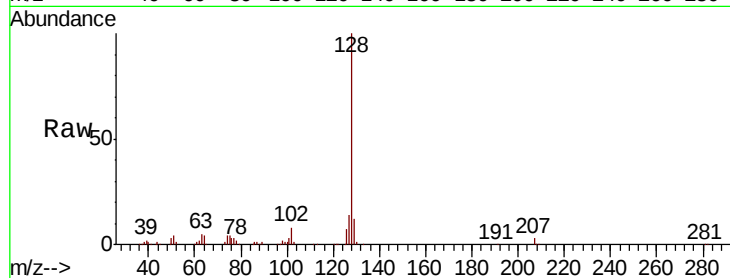
Tgt Ion:128 Resp: 215109

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

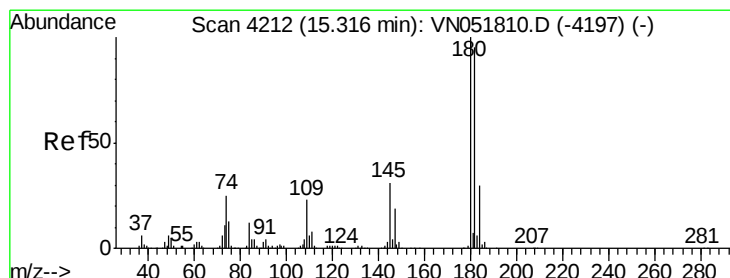
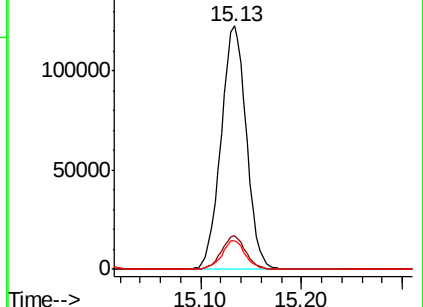
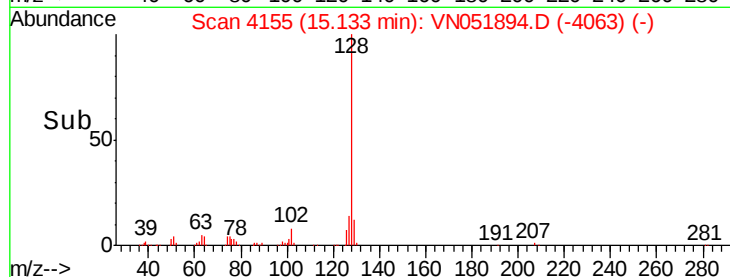
129 11.0 8.7 13.1



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: 16.476 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051894.D

Acq: 16 Oct 2018 14:27

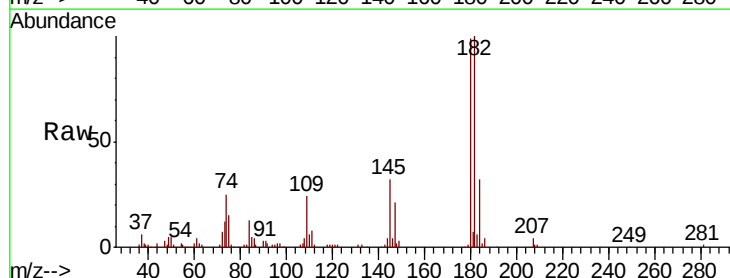
Tgt Ion:180 Resp: 115534

Ion Ratio Lower Upper

180 100

182 98.1 48.0 144.2

145 31.5 15.2 45.6



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

