

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102318\
 Data File : VN051961.D
 Acq On : 23 Oct 2018 13:34
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 24 04:13:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1018863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1481460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1353717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	697358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	186630	20.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.14%	
35) Dibromofluoromethane	7.59	113	187673	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
50) Toluene-d8	10.09	98	666511	19.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.02%	
62) 4-Bromofluorobenzene	12.40	95	220424	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123091	19.038	ug/l	100
3) Chloromethane	2.06	50	114485	19.665	ug/l	97
4) Vinyl Chloride	2.19	62	149261	19.128	ug/l	100
5) Bromomethane	2.58	94	139974	18.735	ug/l	96
6) Chloroethane	2.71	64	111946	19.323	ug/l	96
7) Trichlorofluoromethane	3.03	101	269273	19.366	ug/l	98
8) Diethyl Ether	3.42	74	81087	19.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	159839	19.190	ug/l	99
10) Methyl Iodide	3.96	142	233660	18.961	ug/l	99
11) Tert butyl alcohol	4.77	59	21032	44.530	ug/l	96
12) 1,1-Dichloroethene	3.74	96	145993	19.572	ug/l	96
13) Acrolein	3.61	56	23447	99.862	ug/l	99
14) Allyl chloride	4.33	41	150735	21.207	ug/l	97
15) Acrylonitrile	5.00	53	200861	104.142	ug/l	98
16) Acetone	3.82	43	142129	95.067	ug/l	100
17) Carbon Disulfide	4.06	76	320132	18.055	ug/l	98
18) Methyl Acetate	4.33	43	92148	18.267	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	401785	20.063	ug/l	94
20) Methylene Chloride	4.55	84	166377	18.970	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	161699	19.141	ug/l	98
22) Diisopropyl ether	5.95	45	358236	20.288	ug/l	97
23) Vinyl Acetate	5.90	43	1209497	98.457	ug/l	100
24) 1,1-Dichloroethane	5.86	63	262148	19.884	ug/l	99
25) 2-Butanone	6.84	43	221399	103.879	ug/l	99
26) 2,2-Dichloropropane	6.83	77	232333	19.261	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	194928	19.840	ug/l	98
28) Bromochloromethane	7.20	49	114988	21.640	ug/l	100
29) Tetrahydrofuran	7.21	42	137942	95.526	ug/l	97
30) Chloroform	7.38	83	316152	19.639	ug/l	99
31) Cyclohexane	7.66	56	220682	15.539	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	282592	19.197	ug/l	99
36) 1,1-Dichloropropene	7.80	75	214102	18.840	ug/l	99
37) Ethyl Acetate	6.93	43	104365	20.939	ug/l	100
38) Carbon Tetrachloride	7.78	117	243757	18.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	265654	19.139	ug/l	100
40) Benzene	8.05	78	668803	19.821	ug/l	98
41) Methacrylonitrile	7.17	41	48668	19.058	ug/l	94
42) 1,2-Dichloroethane	8.13	62	210537	19.461	ug/l	100
43) Isopropyl Acetate	8.17	43	188698	19.827	ug/l	98
44) Trichloroethene	8.84	130	207377	19.148	ug/l	99
45) 1,2-Dichloropropane	9.12	63	153291	20.083	ug/l	98
46) Dibromomethane	9.21	93	123647	20.096	ug/l	97
47) Bromodichloromethane	9.40	83	225625	19.417	ug/l	100
48) Methyl methacrylate	9.20	41	91244	19.835	ug/l	98
49) 1,4-Dioxane	9.20	88	33160	393.125	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	524693	100.227	ug/l	98
52) Toluene	10.16	92	447599	19.563	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	204693	19.226	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238703	19.654	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	166145	19.653	ug/l	98
56) Ethyl methacrylate	10.43	69	180062	19.815	ug/l	98
57) 1,3-Dichloropropane	10.71	76	250453	19.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	491218	103.309	ug/l	97
59) 2-Hexanone	10.75	43	353490	100.498	ug/l	98
60) Dibromochloromethane	10.90	129	178384	18.829	ug/l	100
61) 1,2-Dibromoethane	11.01	107	174311	19.556	ug/l	99
64) Tetrachloroethene	10.63	164	194513	18.721	ug/l	99
65) Chlorobenzene	11.43	112	530761	19.419	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	187404	19.076	ug/l	99
67) Ethyl Benzene	11.51	91	855020	19.461	ug/l	100
68) m/p-Xylenes	11.62	106	681550	38.827	ug/l	98
69) o-Xylene	11.95	106	333623	19.543	ug/l	97
70) Styrene	11.96	104	533233	19.543	ug/l	99
71) Bromoform	12.13	173	106131	17.710	ug/l #	98
73) Isopropylbenzene	12.25	105	890148	20.127	ug/l	100
74) N-amyl acetate	12.07	43	173478	19.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	191754	20.983	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	222125	31.277	ug/l #	100
77) Bromobenzene	12.53	156	240634	19.715	ug/l	97
78) n-propylbenzene	12.59	91	971622	20.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	575384	20.710	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	728191	20.522	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	37287	19.203	ug/l	92
82) 4-Chlorotoluene	12.77	91	582205	20.240	ug/l	99
83) tert-Butylbenzene	12.99	119	666480	19.859	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	749893	20.488	ug/l	100
85) sec-Butylbenzene	13.17	105	883534	20.158	ug/l	99
86) p-Isopropyltoluene	13.29	119	799098	20.250	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	431815	19.182	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	426522	19.218	ug/l	97
89) n-Butylbenzene	13.62	91	628788	20.011	ug/l	99
90) Hexachloroethane	13.88	117	112135	19.074	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	432625	19.865	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28190	20.091	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 04:09:28 2018
Response via : Initial Calibration

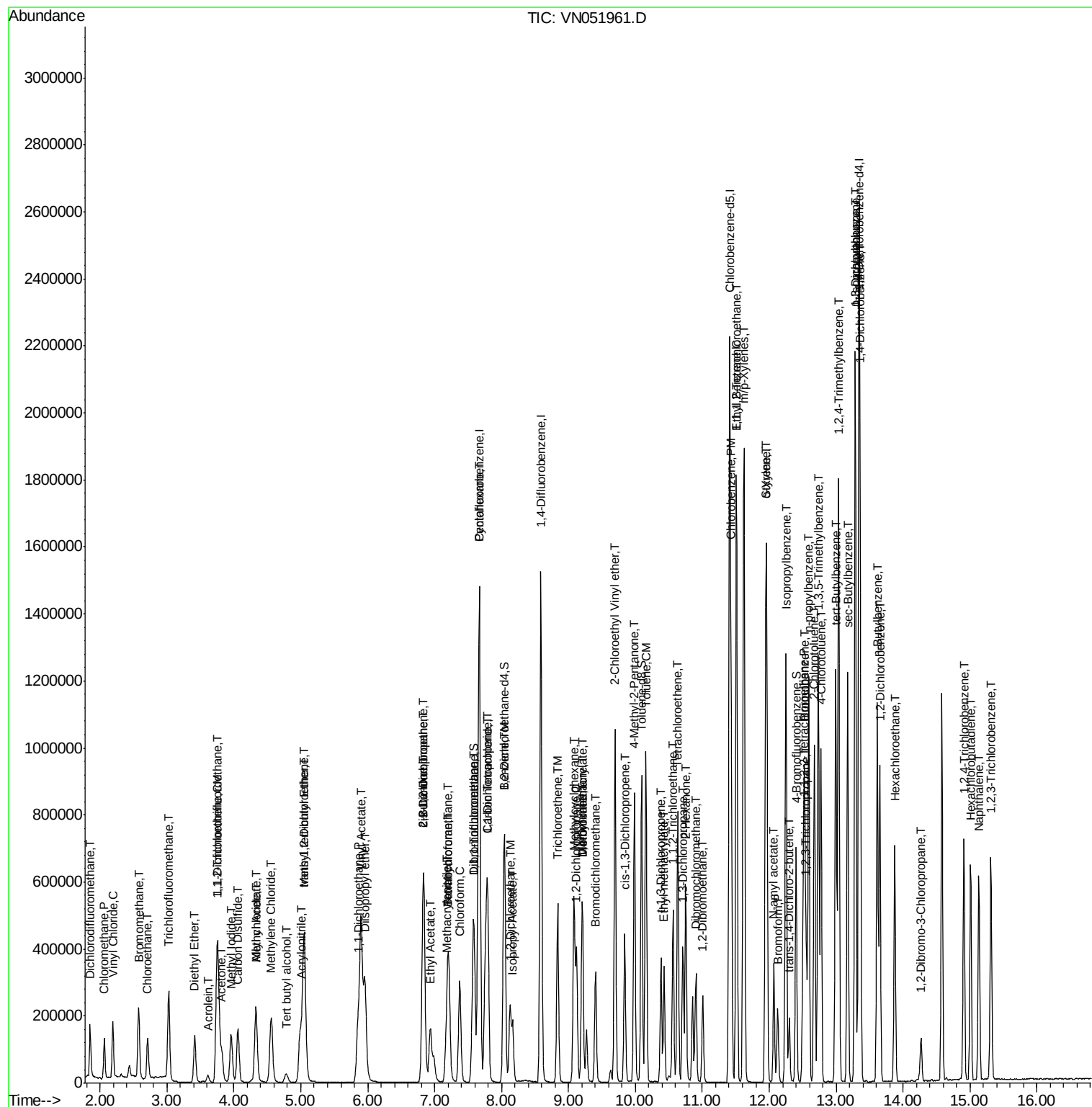
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	241975	18.810	ug/l	99
94) Hexachlorobutadiene	15.01	225	127274	19.255	ug/l	100
95) Naphthalene	15.13	128	562426	20.131	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	236304	19.218	ug/l	98

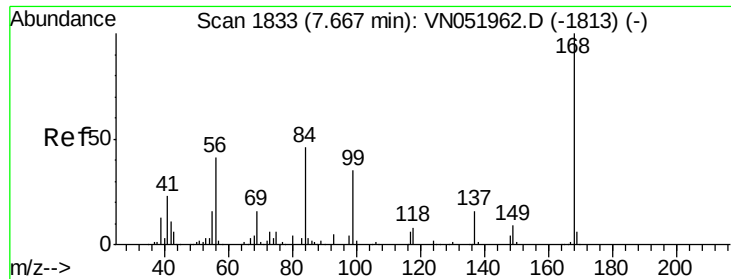
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

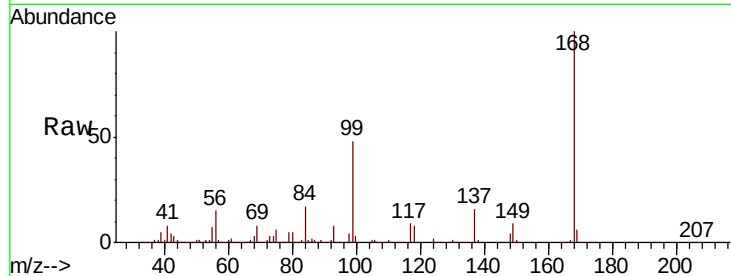
VSTDIC020

Tgt Ion:168 Resp: 1018863

Ion Ratio Lower Upper

168 100

99 47.7 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

400000

300000

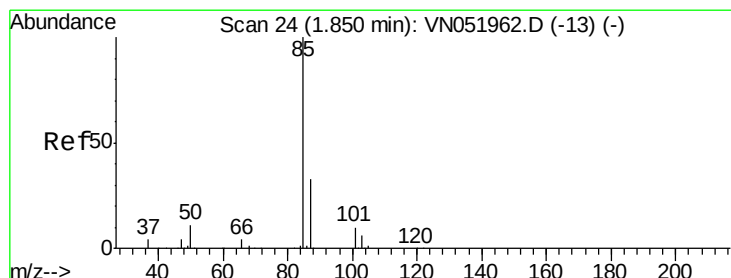
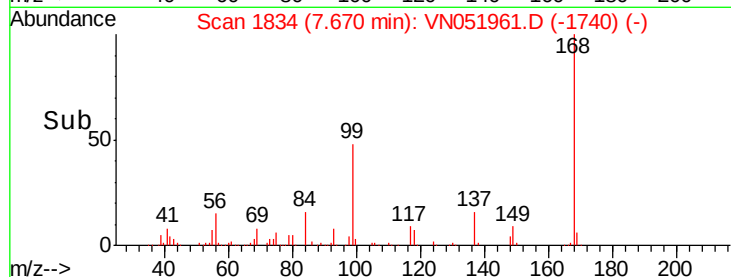
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.038 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051961.D

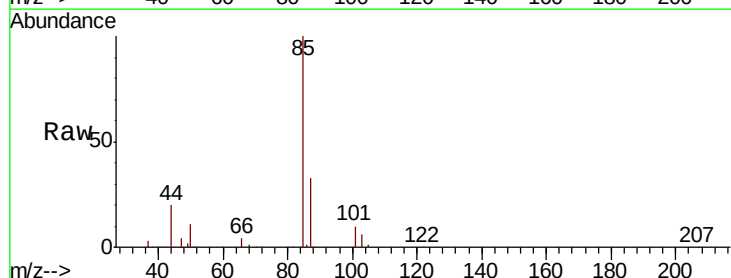
Acq: 23 Oct 2018 13:34

Tgt Ion: 85 Resp: 123091

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051962.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051962.D (-13) (-)

1.85

100000

80000

60000

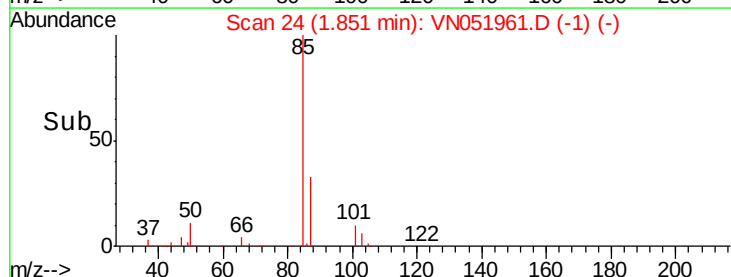
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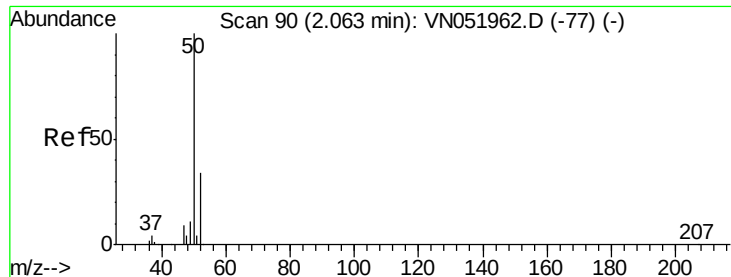
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.665 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

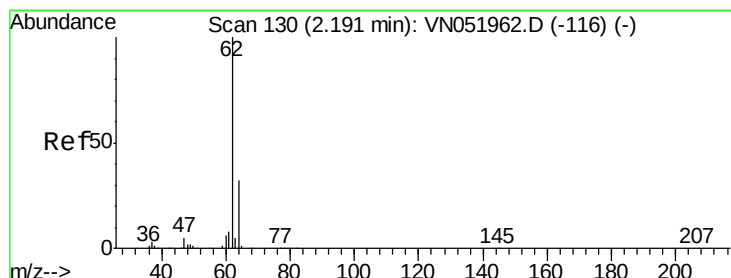
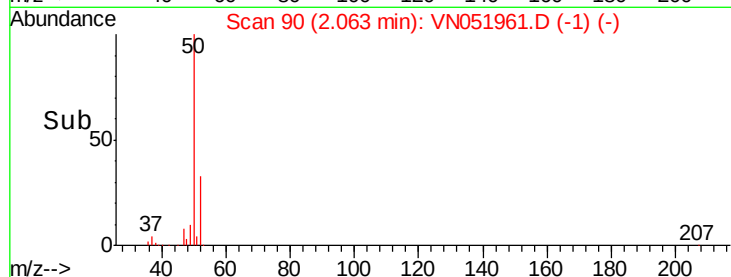
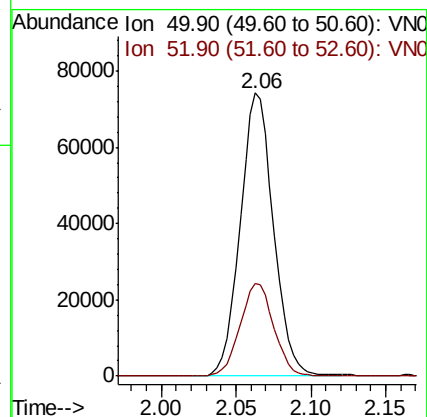
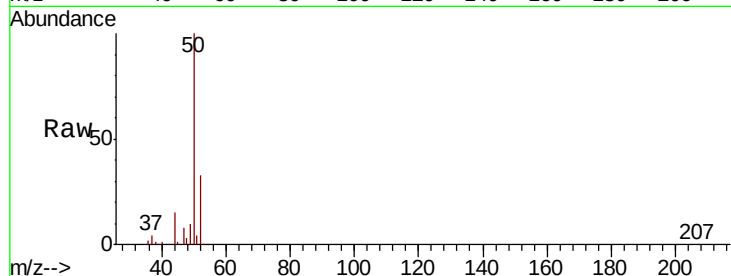
VSTDIC020

Tgt Ion: 50 Resp: 114485

Ion Ratio Lower Upper

50 100

52 32.7 27.5 41.3



#4

Vinyl Chloride

Concen: 19.128 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051961.D

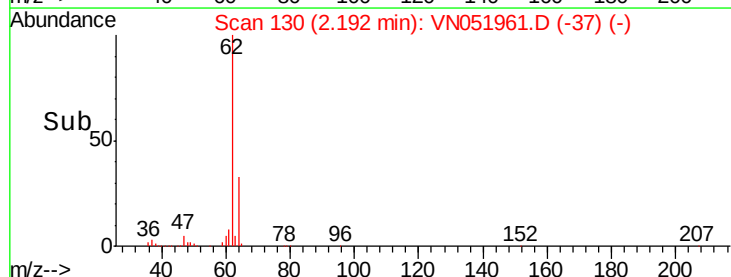
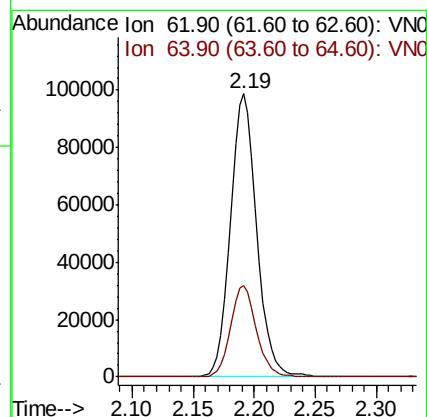
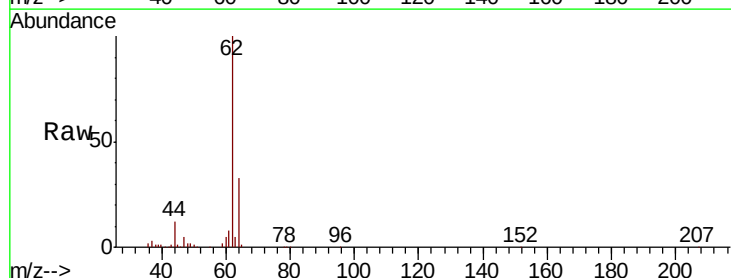
Acq: 23 Oct 2018 13:34

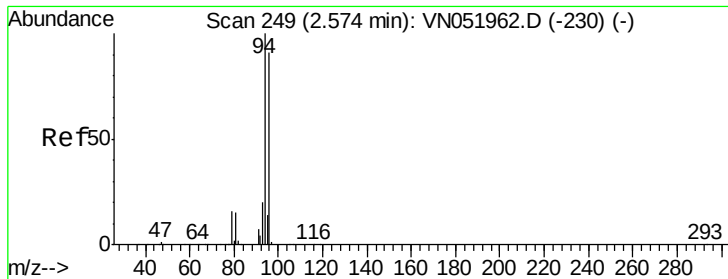
Tgt Ion: 62 Resp: 149261

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 18.735 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

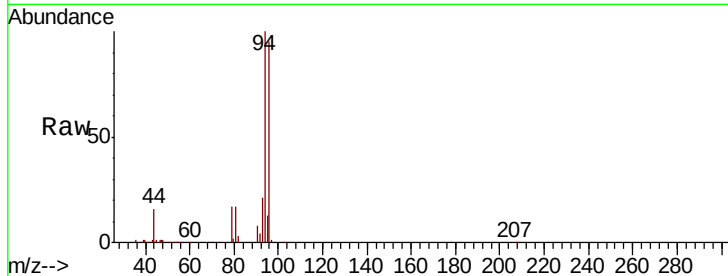
VSTDIC020

Tgt Ion: 94 Resp: 139974

Ion Ratio Lower Upper

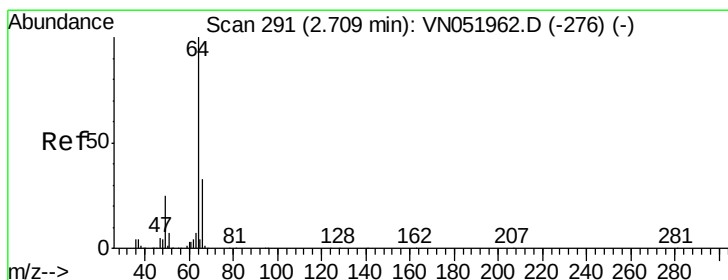
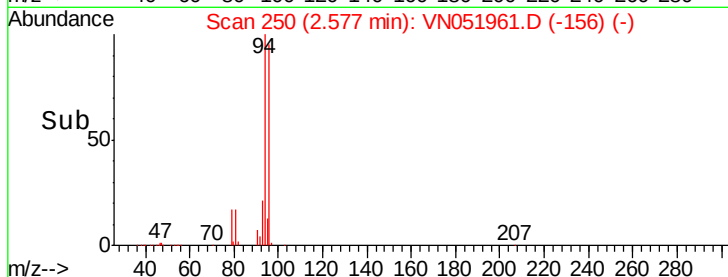
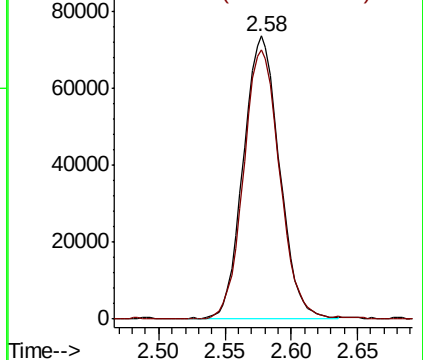
94 100

96 95.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.323 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN051961.D

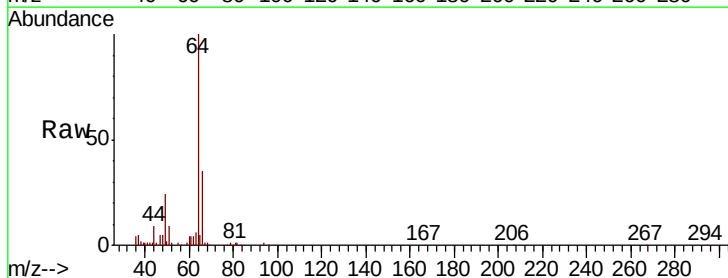
Acq: 23 Oct 2018 13:34

Tgt Ion: 64 Resp: 111946

Ion Ratio Lower Upper

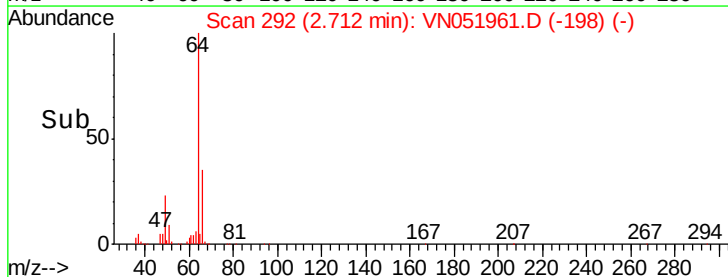
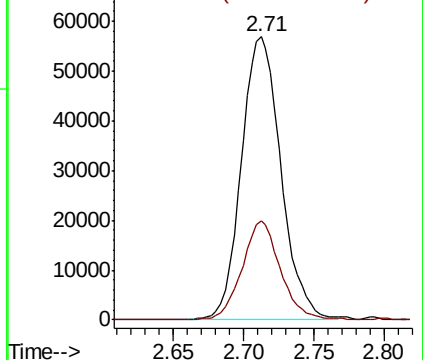
64 100

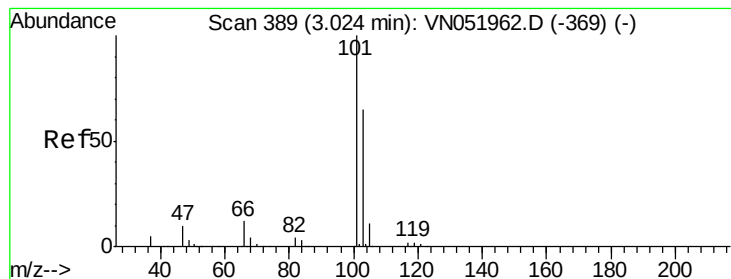
66 34.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



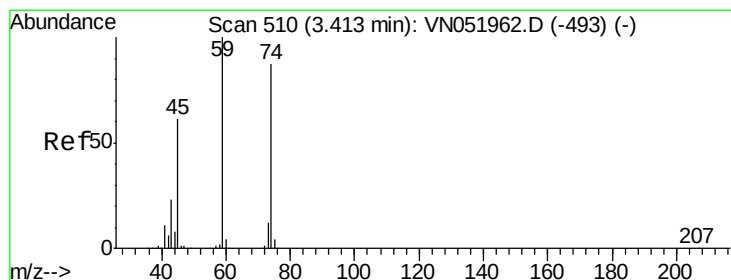
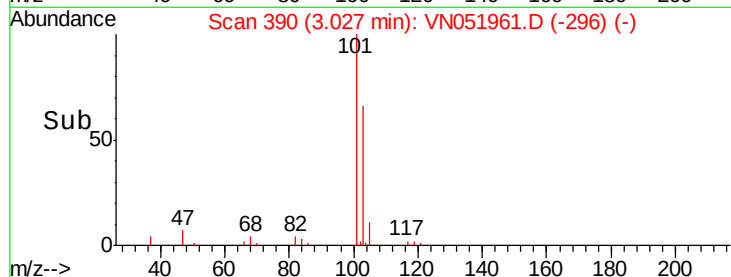
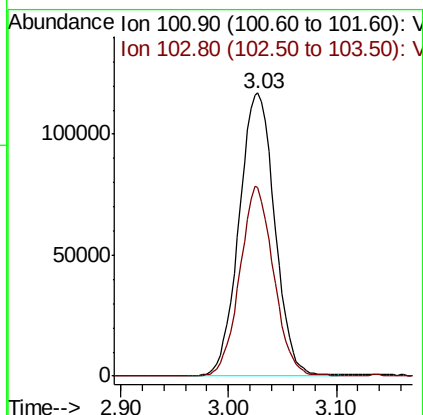
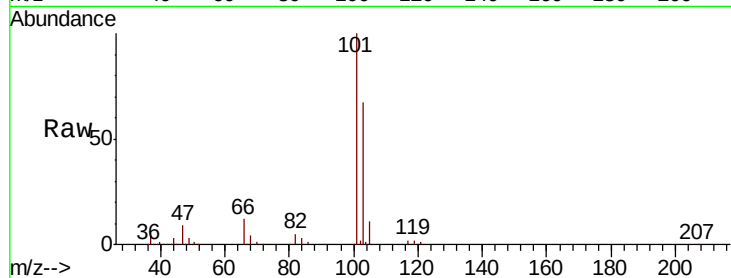


#7

Trichlorofluoromethane
 Concen: 19.366 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

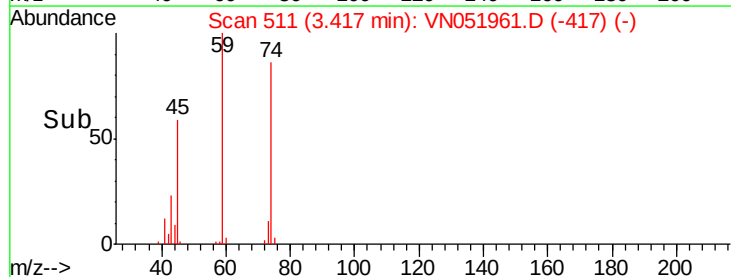
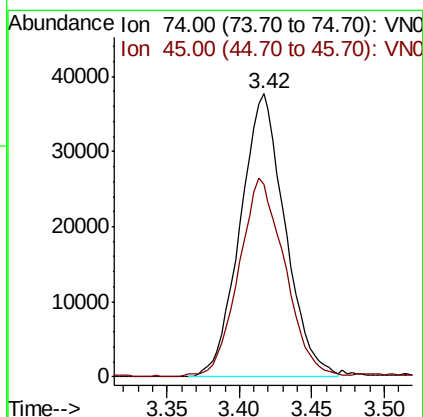
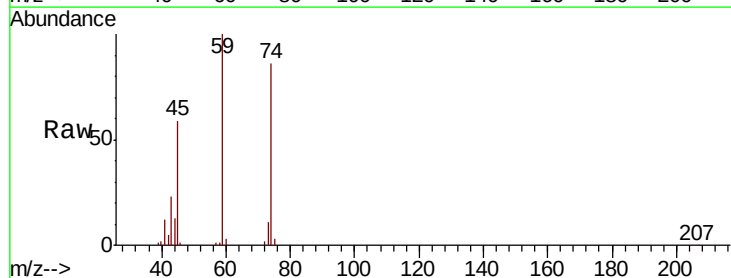
Tgt Ion:101 Resp: 269273
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.0 78.0

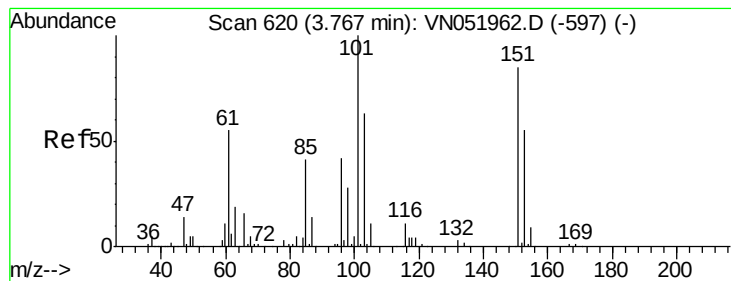


#8

Diethyl Ether
 Concen: 19.615 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 74 Resp: 81087
 Ion Ratio Lower Upper
 74 100
 45 72.2 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.190 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

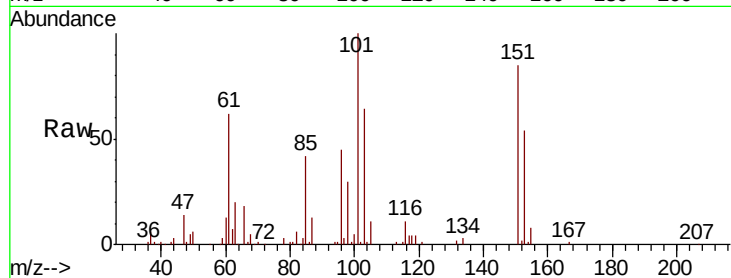
Tgt Ion:101 Resp: 159839

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

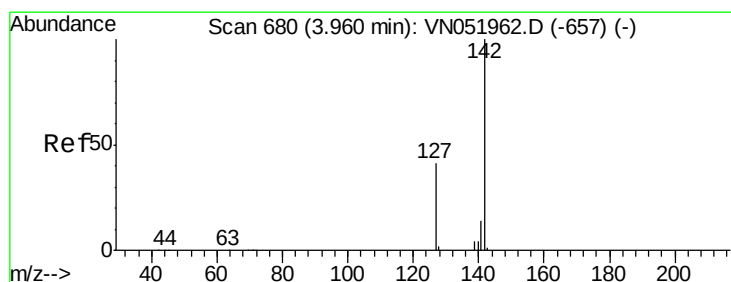
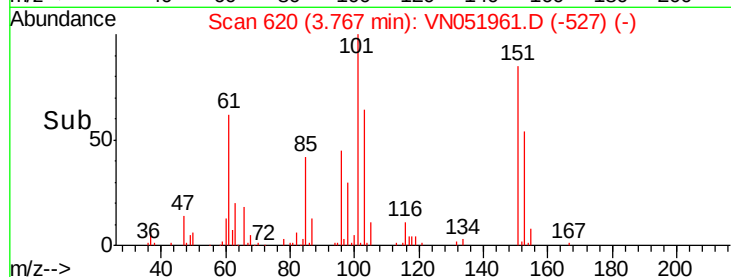
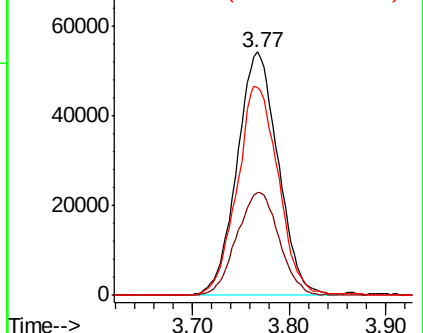
151 86.1 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.961 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

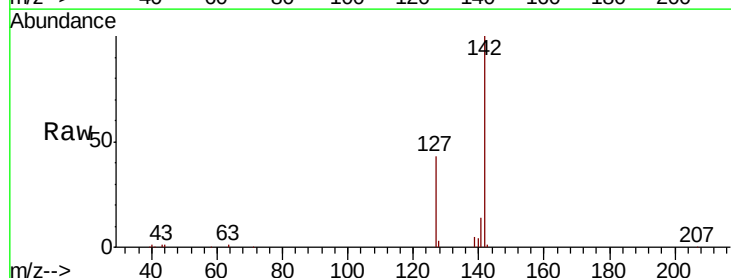
Tgt Ion:142 Resp: 233660

Ion Ratio Lower Upper

142 100

127 42.2 34.3 51.5

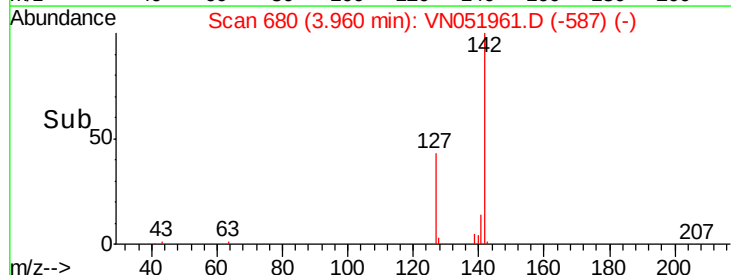
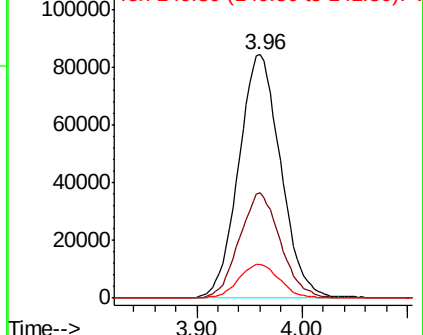
141 13.6 11.4 17.0

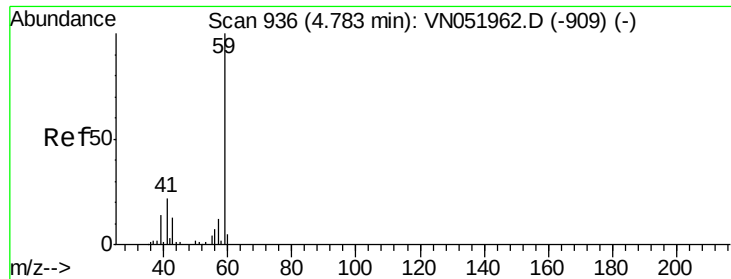


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

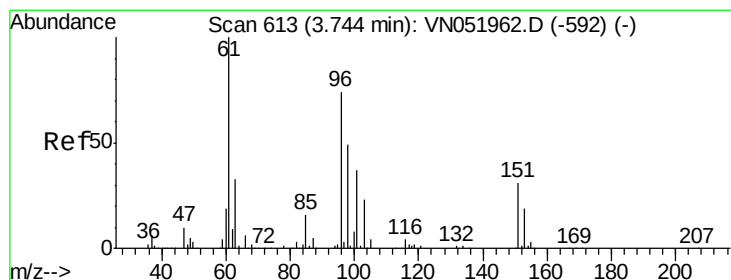
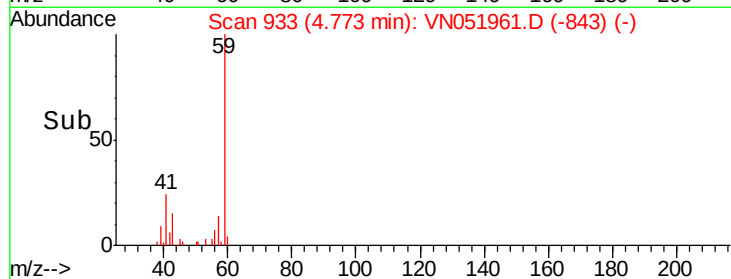
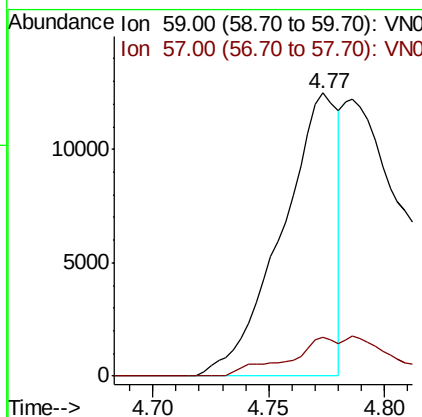
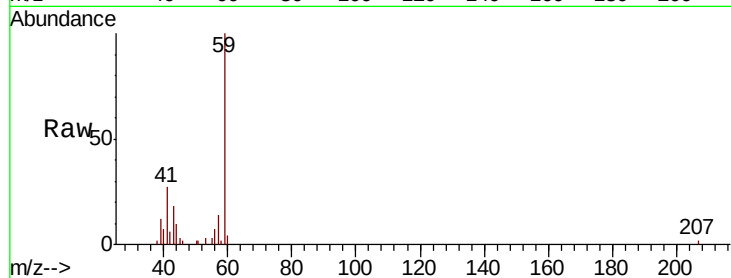




#11
Tert butyl alcohol
Concen: 44.530 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

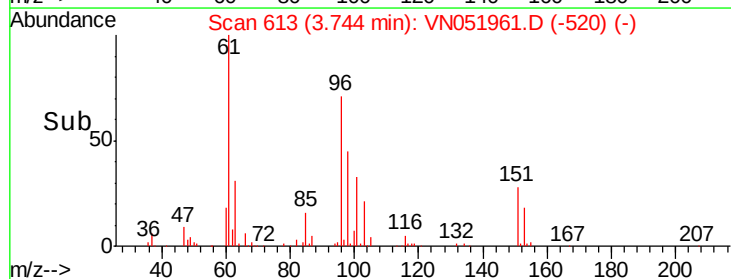
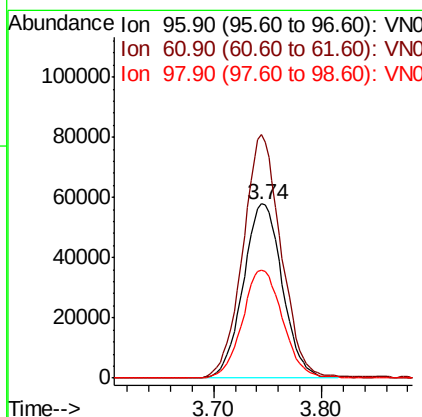
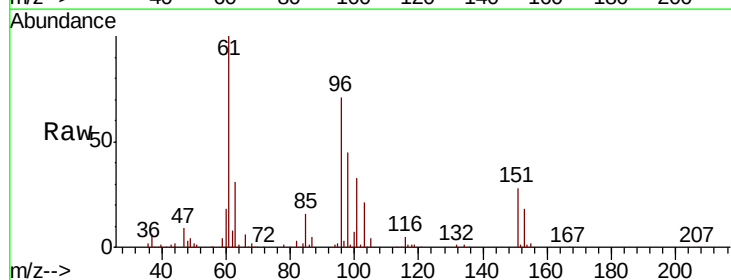
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

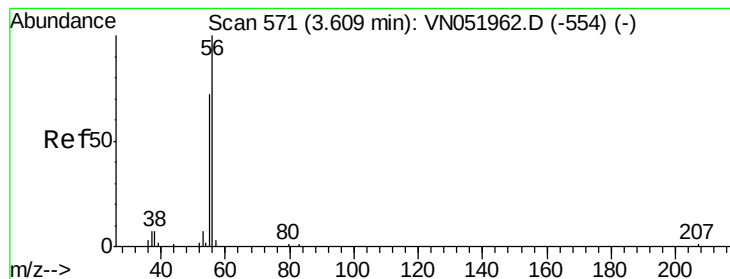
Tgt Ion: 59 Resp: 21032
Ion Ratio Lower Upper
59 100
57 12.0 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.572 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 96 Resp: 145993
Ion Ratio Lower Upper
96 100
61 139.9 107.8 161.8
98 62.3 52.7 79.1





#13

Acrolein

Concen: 99.862 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampled :

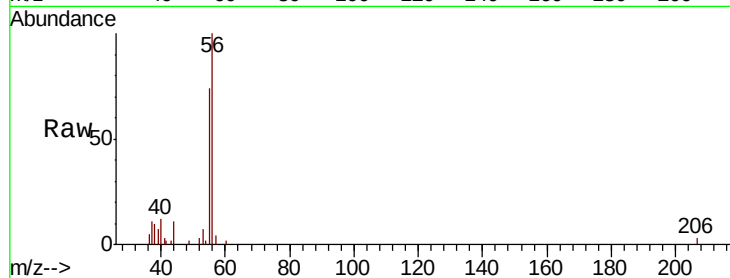
VSTDIC020

Tgt Ion: 56 Resp: 23447

Ion Ratio Lower Upper

56 100

55 71.8 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

10000

8000

6000

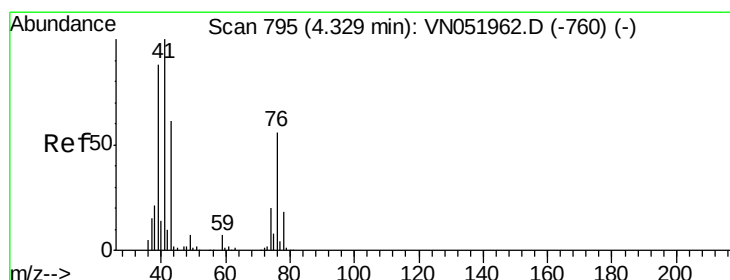
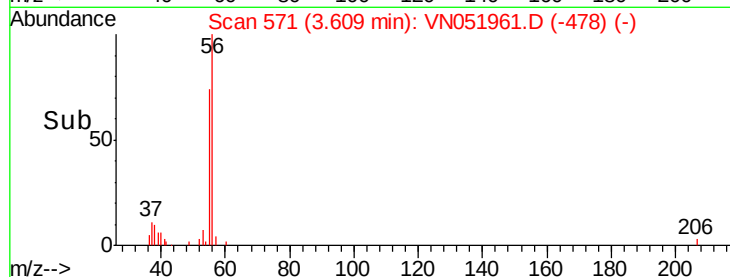
4000

2000

0

3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 21.207 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

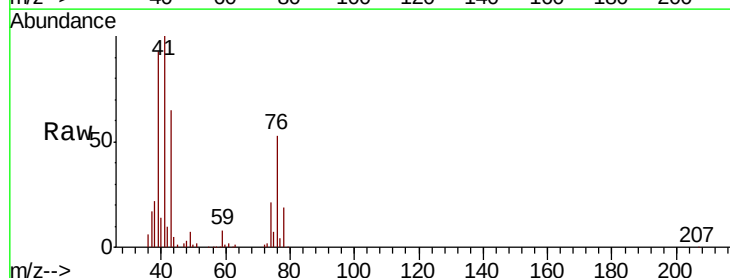
Tgt Ion: 41 Resp: 150735

Ion Ratio Lower Upper

41 100

39 80.7 67.7 101.5

76 50.4 41.3 61.9



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

60000

50000

40000

30000

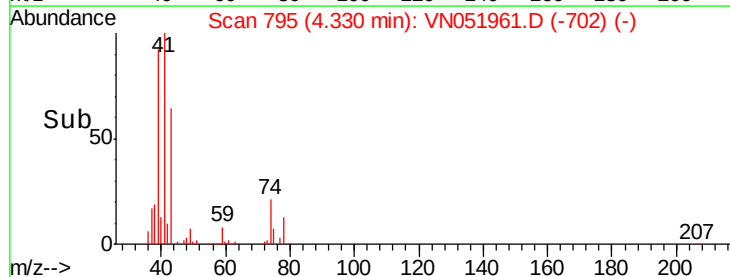
20000

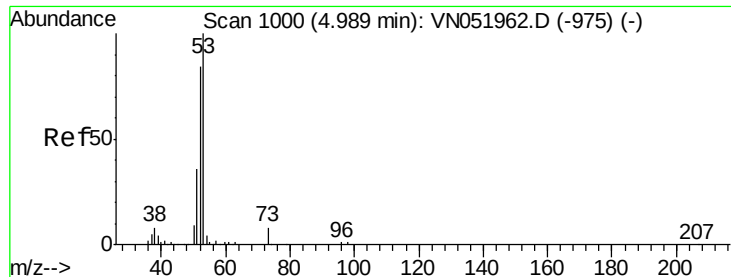
10000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 104.142 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

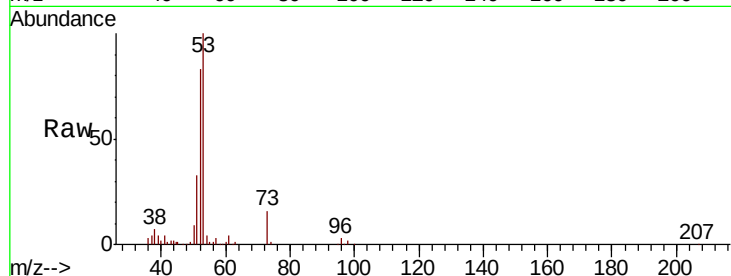
Tgt Ion: 53 Resp: 200861

Ion Ratio Lower Upper

53 100

52 81.9 67.0 100.4

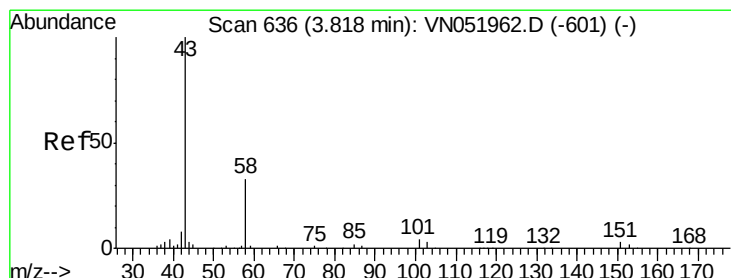
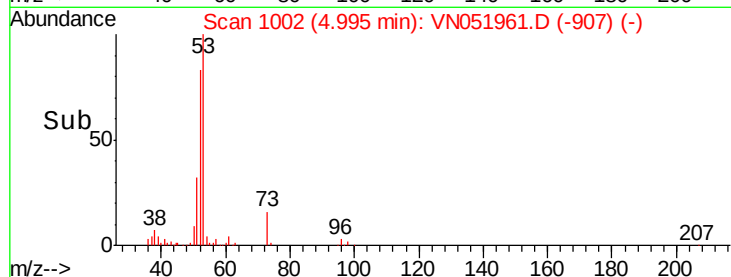
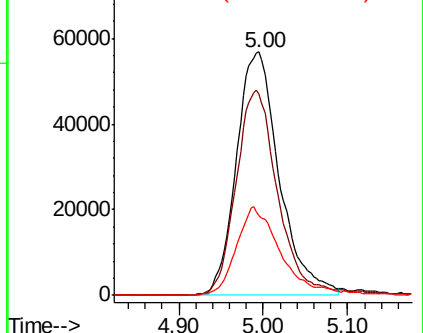
51 35.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 95.067 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051961.D

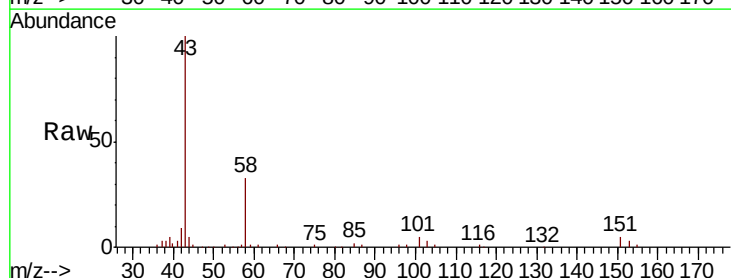
Acq: 23 Oct 2018 13:34

Tgt Ion: 43 Resp: 142129

Ion Ratio Lower Upper

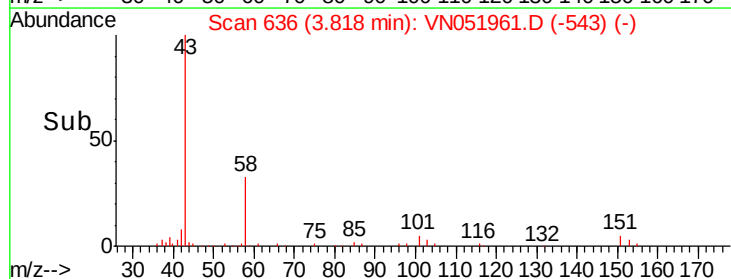
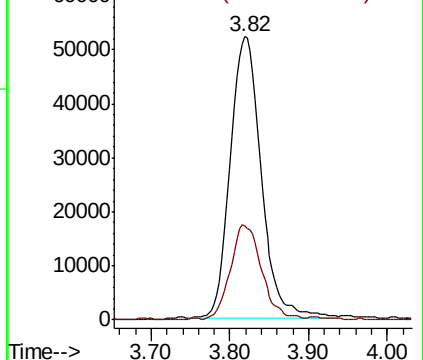
43 100

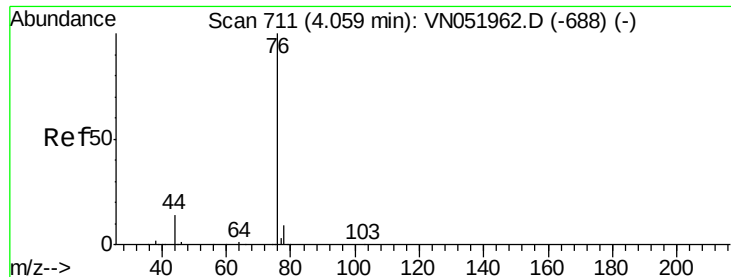
58 33.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.055 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

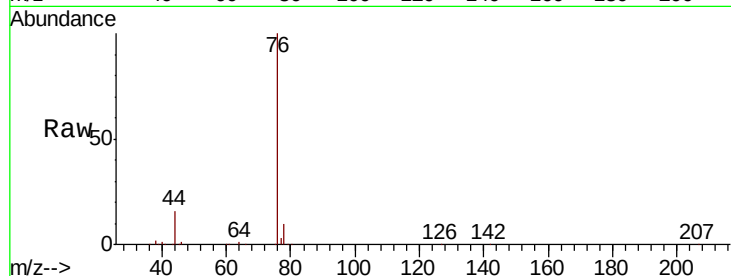
VSTDIC020

Tgt Ion: 76 Resp: 320132

Ion Ratio Lower Upper

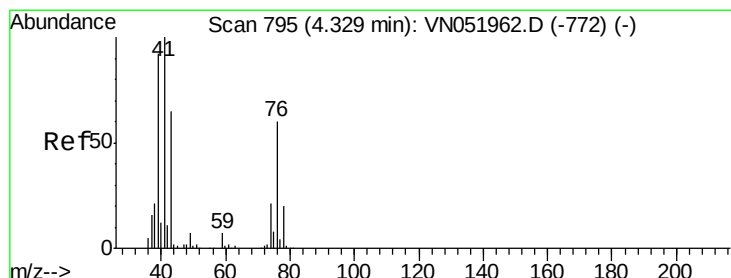
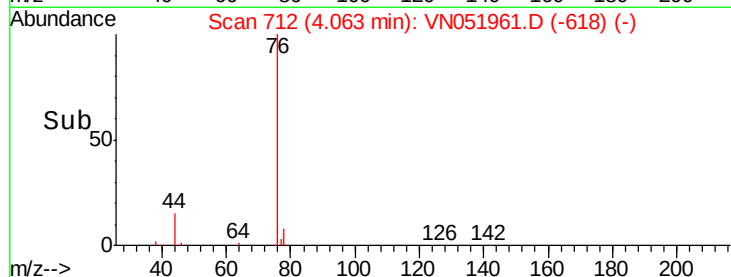
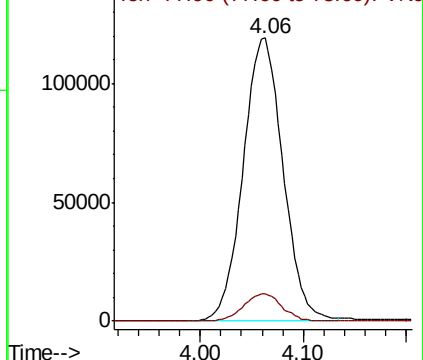
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.267 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051961.D

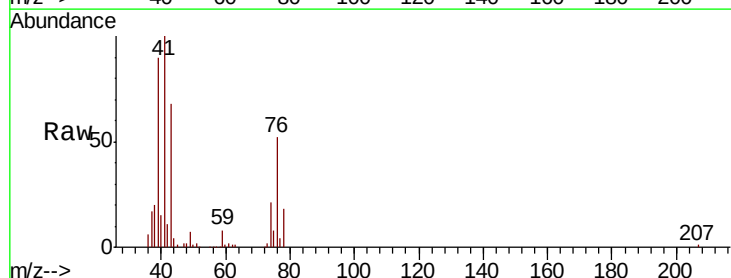
Acq: 23 Oct 2018 13:34

Tgt Ion: 43 Resp: 92148

Ion Ratio Lower Upper

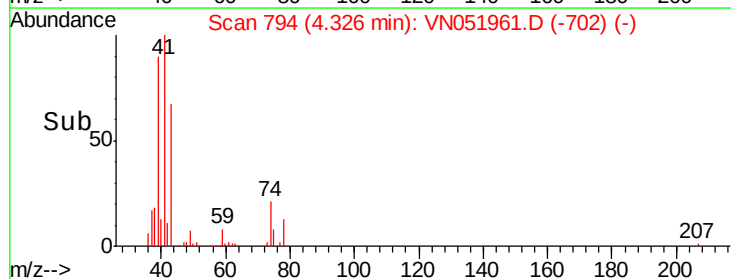
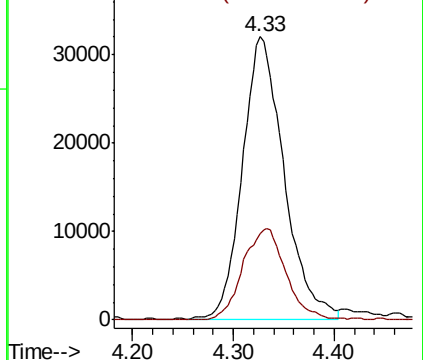
43 100

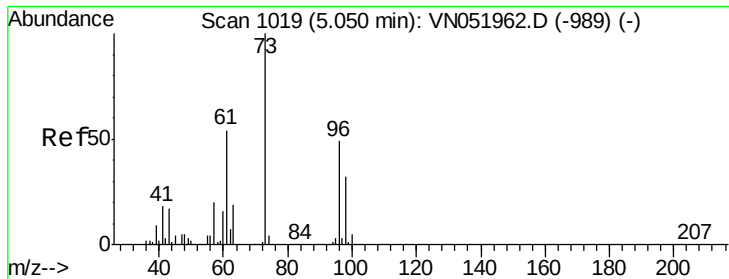
74 32.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 20.063 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

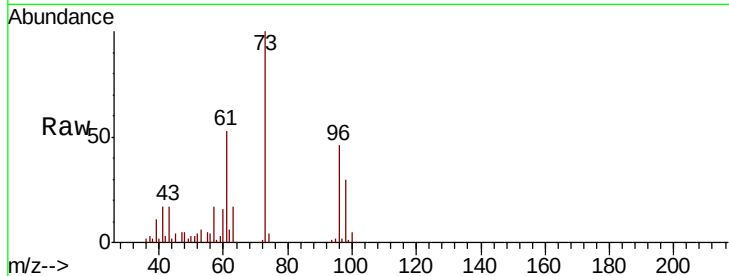
VSTDIC020

Tgt Ion: 73 Resp: 401785

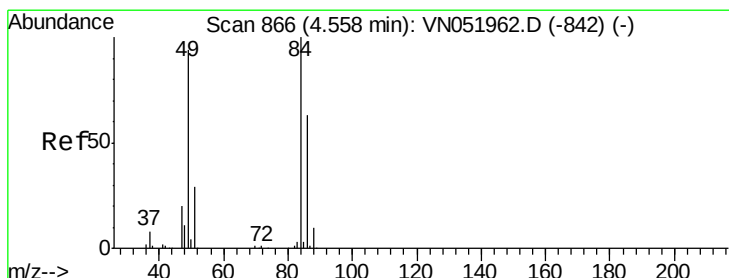
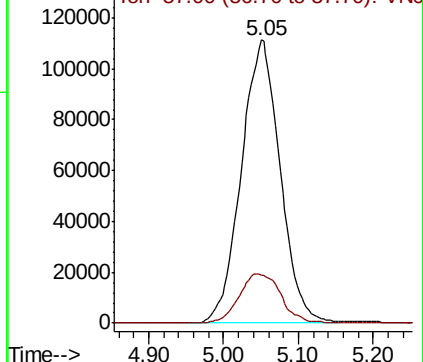
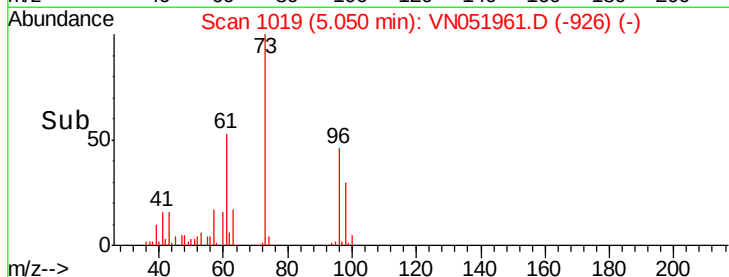
Ion Ratio Lower Upper

73 100

57 17.1 15.9 23.9



Abundance Ion 73.00 (72.70 to 73.70): VN051961.D (-926) (-)



#20

Methylene Chloride

Concen: 18.970 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Tgt Ion: 84 Resp: 166377

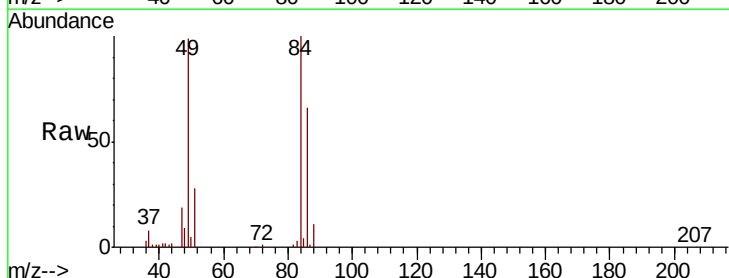
Ion Ratio Lower Upper

84 100

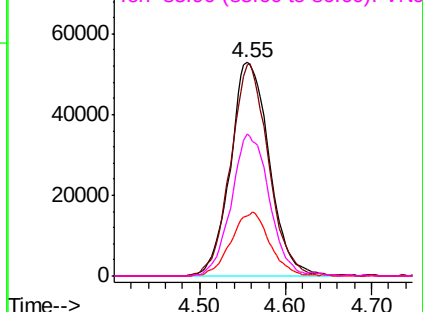
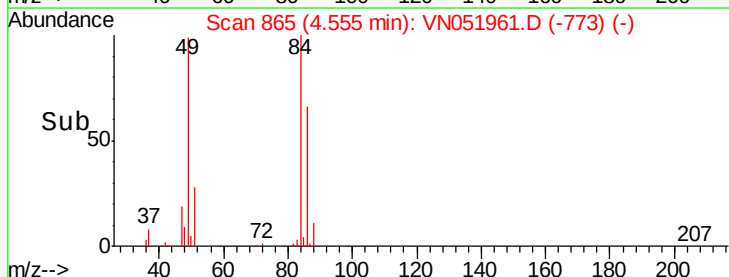
49 98.4 75.4 113.0

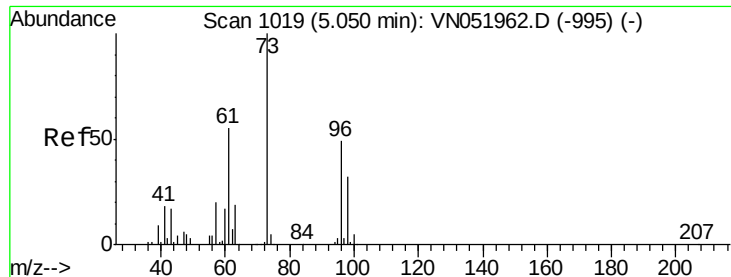
51 28.2 23.1 34.7

86 66.3 50.2 75.4



Abundance Ion 83.90 (83.60 to 84.60): VN051961.D (-773) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.141 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

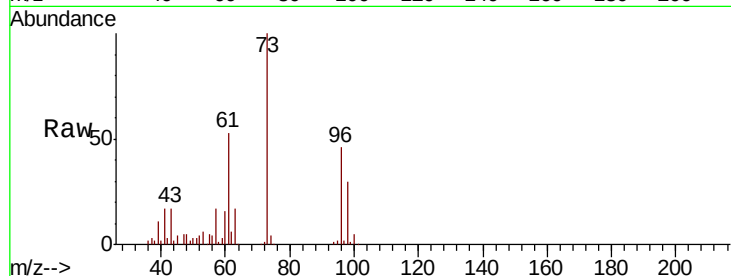
Tgt Ion: 96 Resp: 161699

Ion Ratio Lower Upper

96 100

61 115.0 89.0 133.4

98 64.5 51.8 77.8

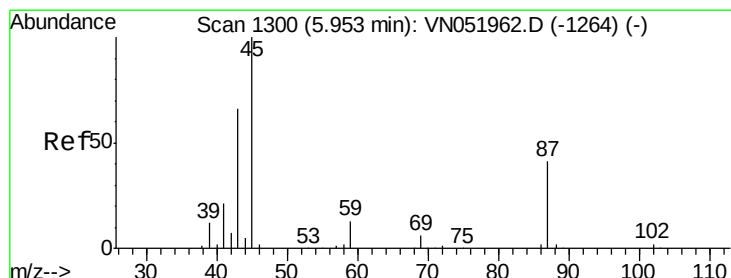
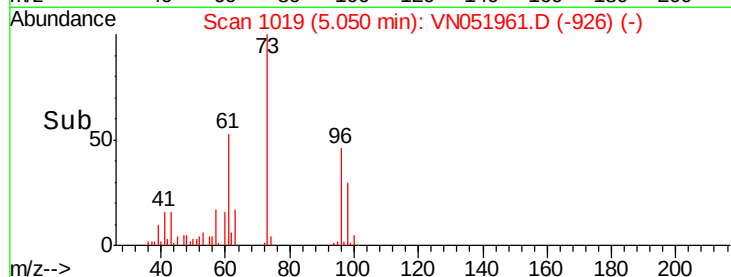
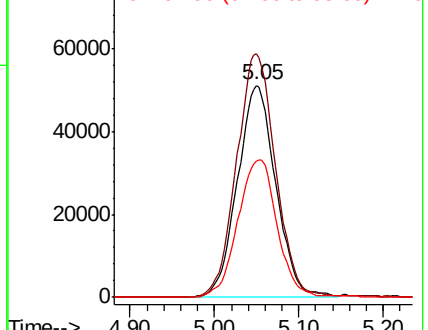


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.288 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Tgt Ion: 45 Resp: 358236

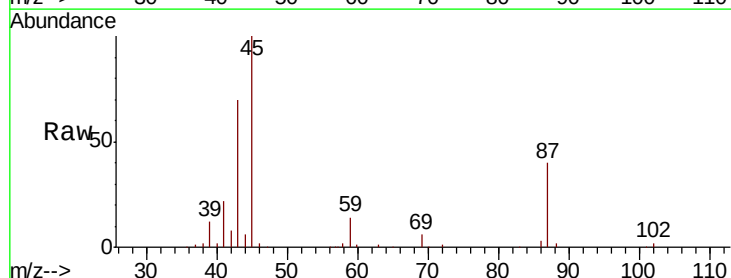
Ion Ratio Lower Upper

45 100

43 68.2 52.9 79.3

87 39.6 33.4 50.0

59 13.7 10.5 15.7



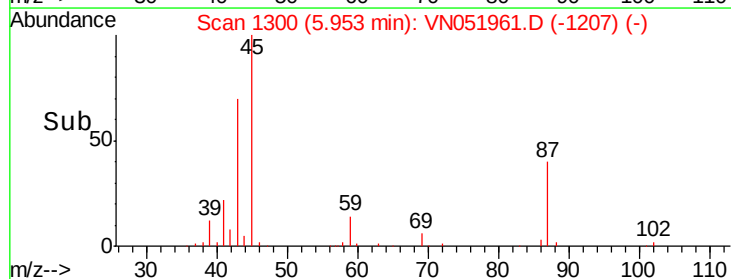
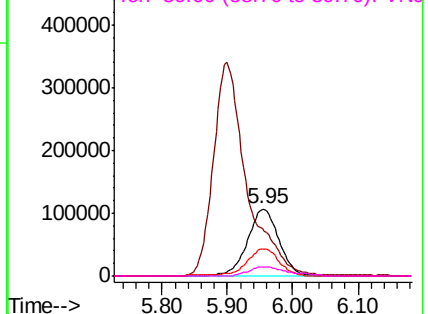
Abundance

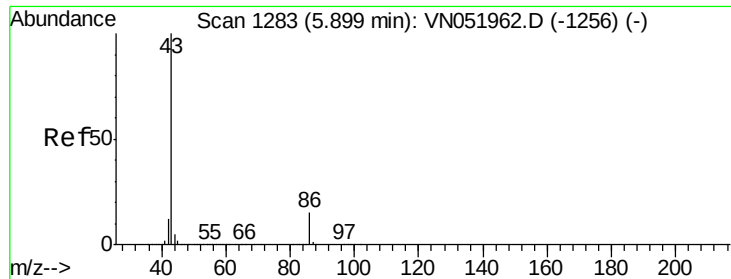
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.457 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

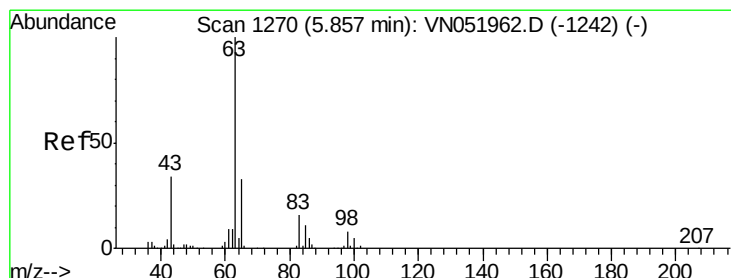
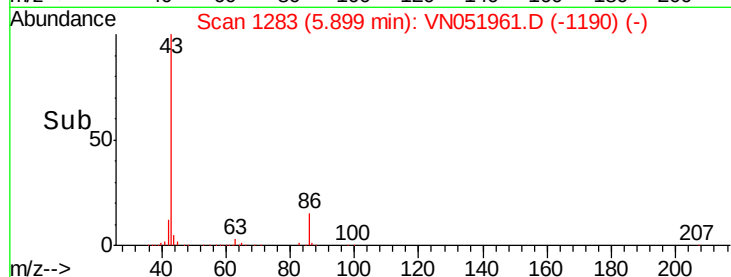
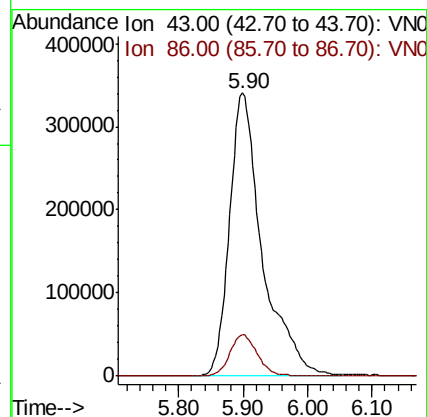
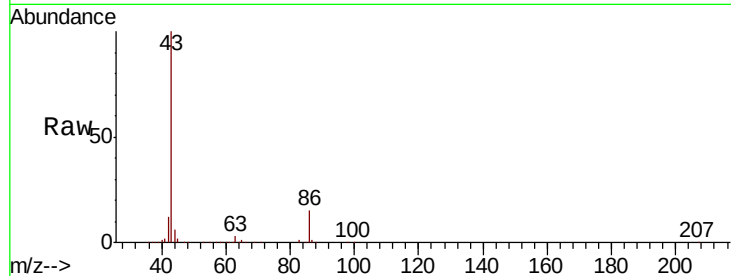
VSTDIC020

Tgt Ion: 43 Resp: 1209497

Ion Ratio Lower Upper

43 100

86 14.7 11.9 17.9



#24

1,1-Dichloroethane

Concen: 19.884 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

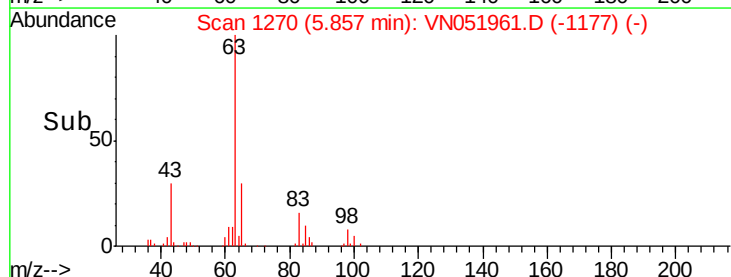
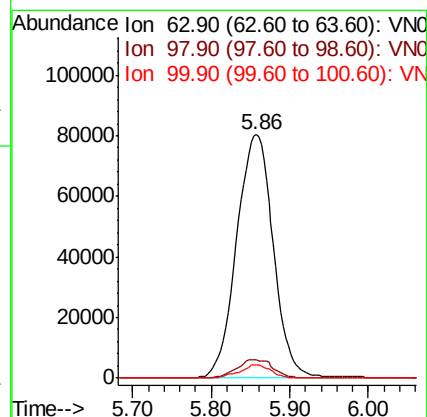
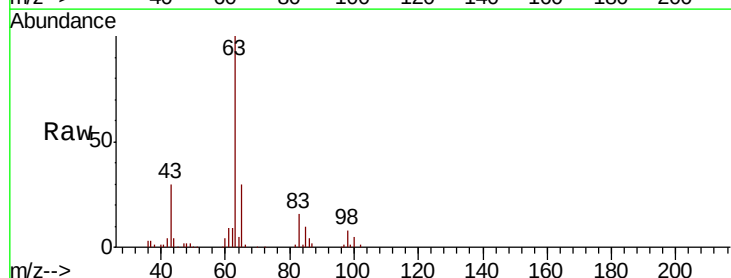
Tgt Ion: 63 Resp: 262148

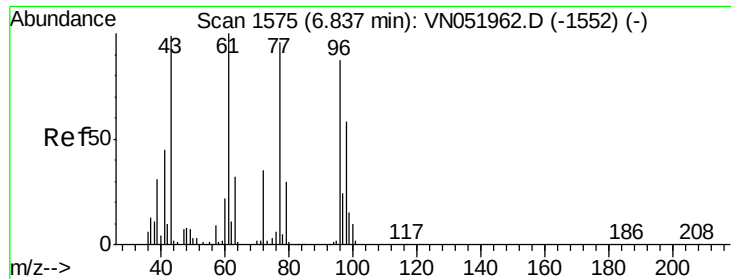
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 5.4 2.6 8.0





#25

2-Butanone

Concen: 103.879 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

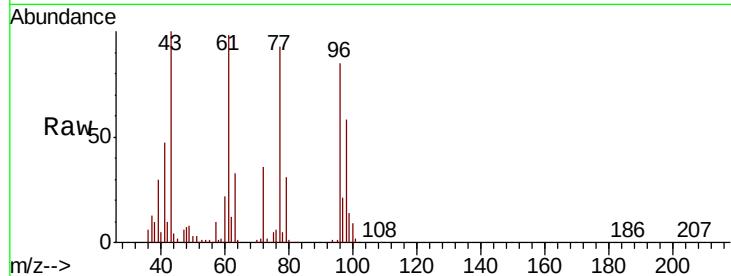
VSTDIC020

Tgt Ion: 43 Resp: 221399

Ion Ratio Lower Upper

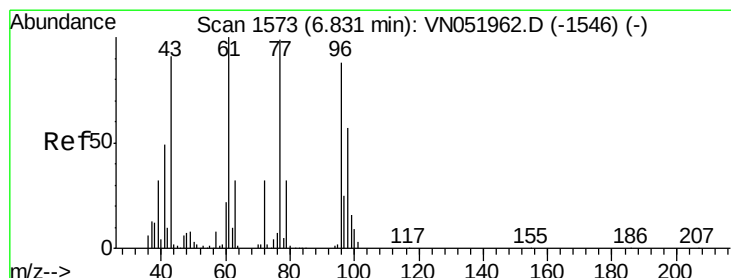
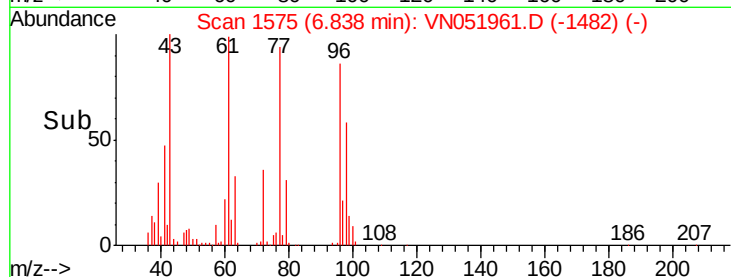
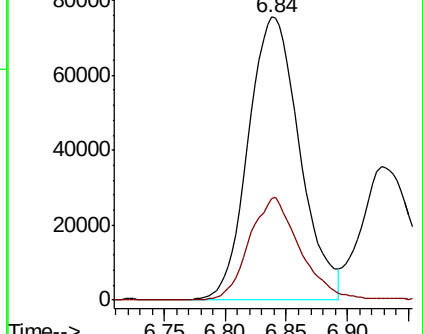
43 100

72 35.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.261 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051961.D

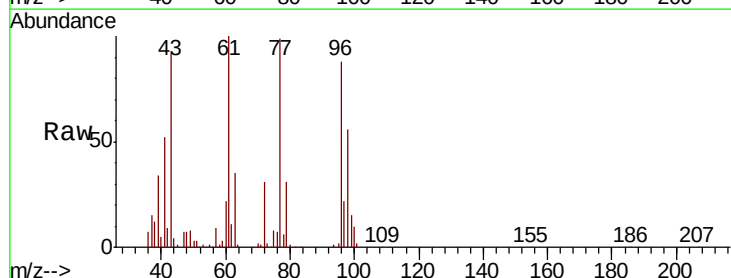
Acq: 23 Oct 2018 13:34

Tgt Ion: 77 Resp: 232333

Ion Ratio Lower Upper

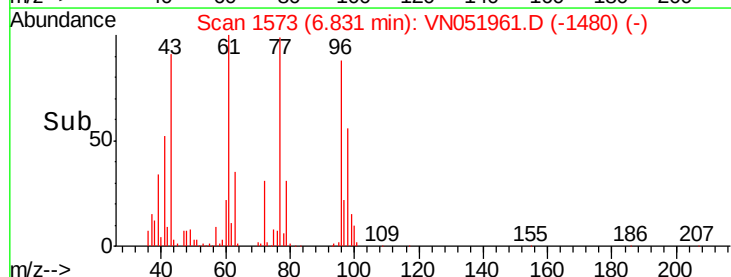
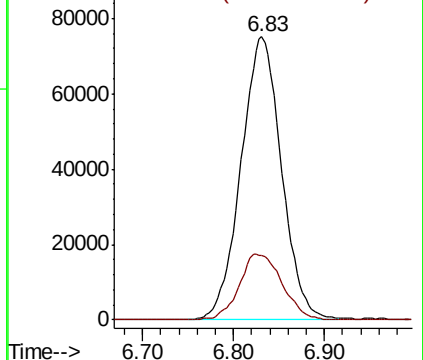
77 100

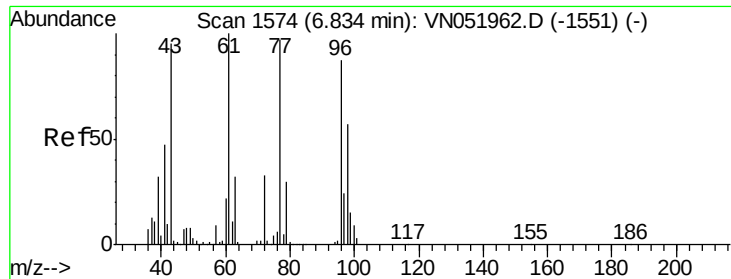
97 24.5 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.840 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

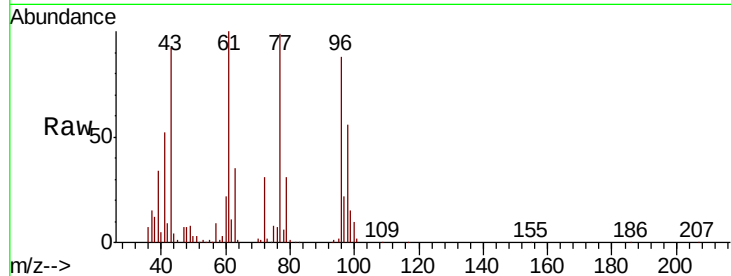
Tgt Ion: 96 Resp: 194928

Ion Ratio Lower Upper

96 100

61 115.4 0.0 234.4

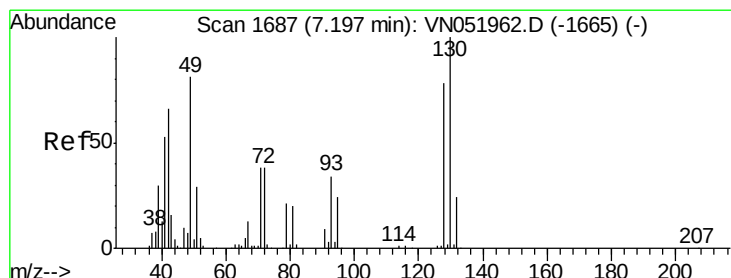
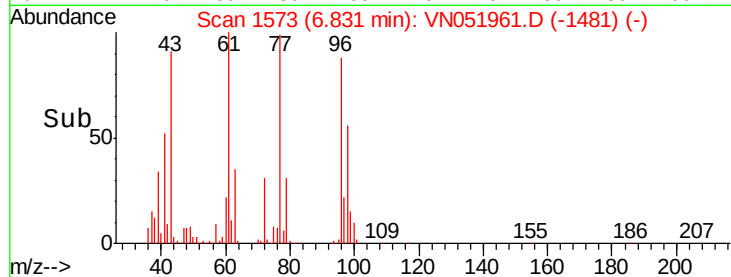
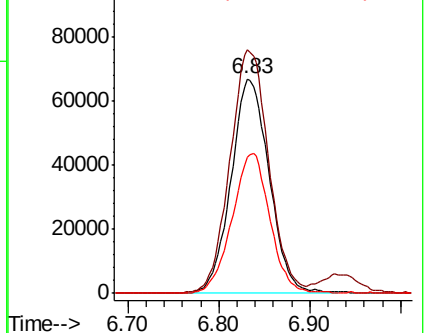
98 64.7 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN051961.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN051961.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN051961.D (-1551) (-)



#28

Bromochloromethane

Concen: 21.640 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

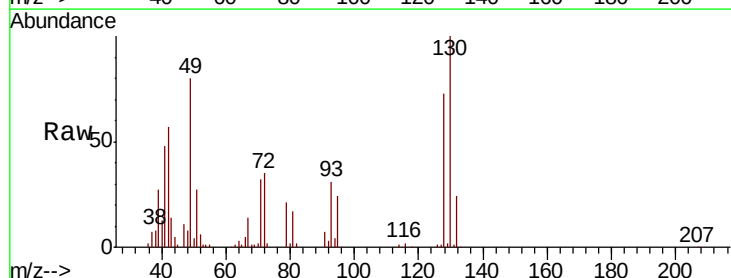
Tgt Ion: 49 Resp: 114988

Ion Ratio Lower Upper

49 100

129 1.5 0.0 5.4

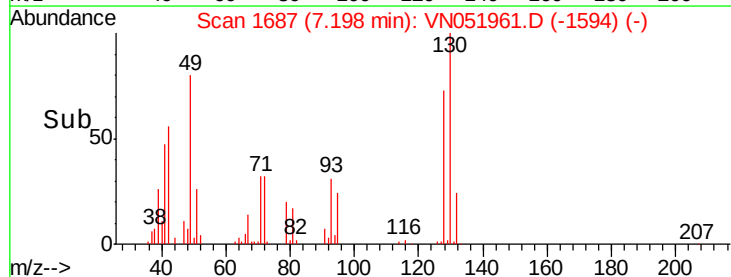
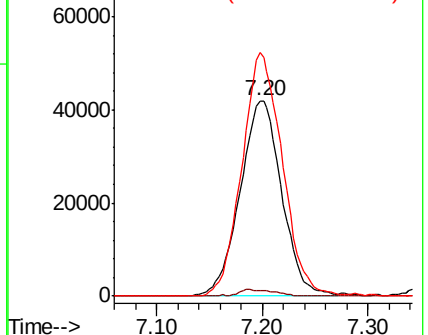
130 121.2 97.0 145.6

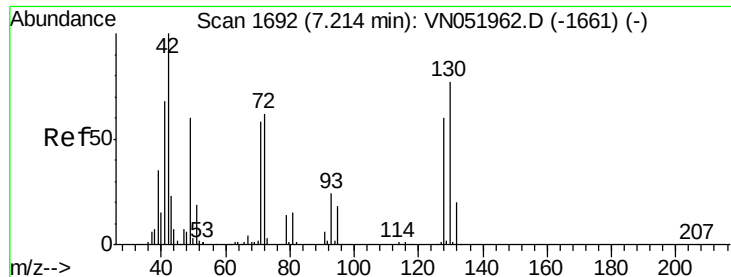


Abundance Ion 48.90 (48.60 to 49.60): VN051961.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051961.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051961.D (-1594) (-)

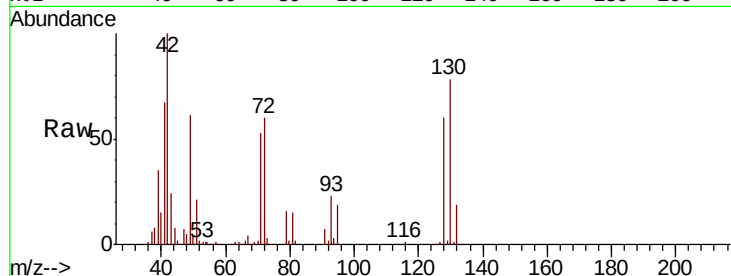




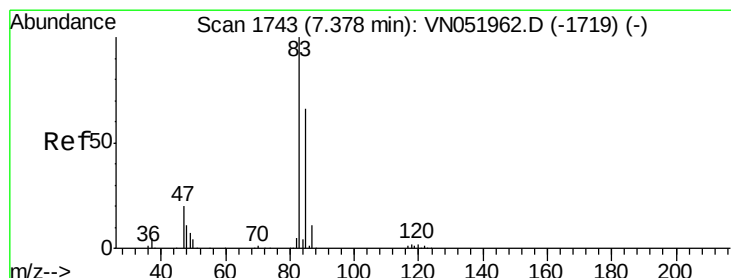
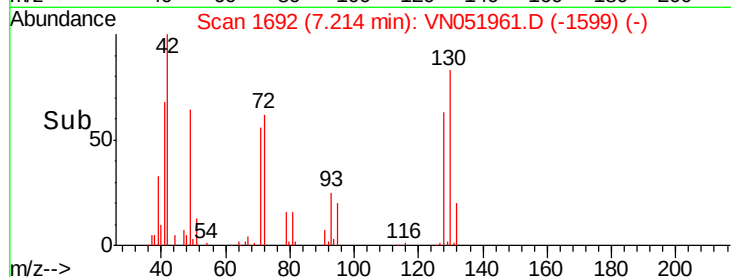
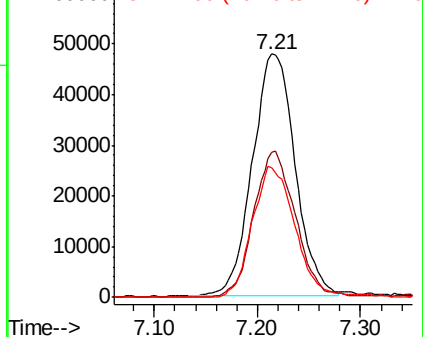
#29
Tetrahydrofuran
Concen: 95.526 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 42 Resp: 137942
Ion Ratio Lower Upper
42 100
72 58.7 47.5 71.3
71 53.5 45.4 68.2

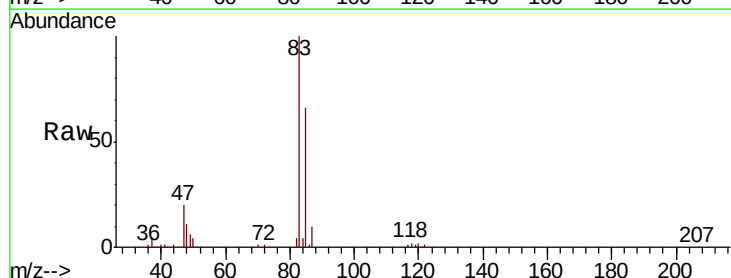


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

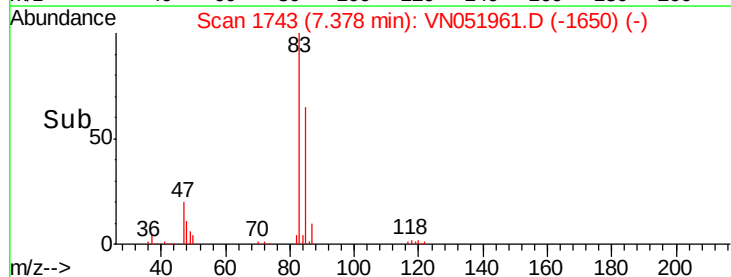
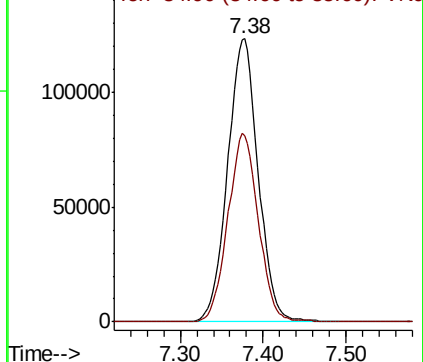


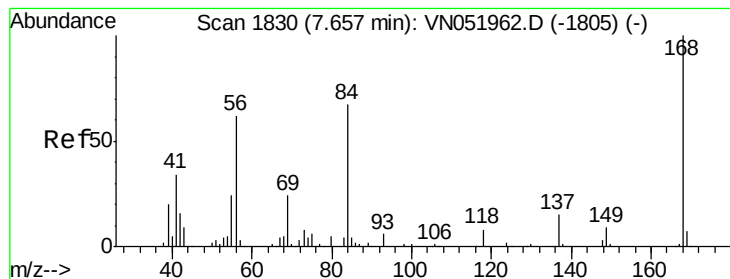
#30
Chloroform
Concen: 19.639 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 83 Resp: 316152
Ion Ratio Lower Upper
83 100
85 65.5 52.8 79.2



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





#31

Cyclohexane

Concen: 15.539 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

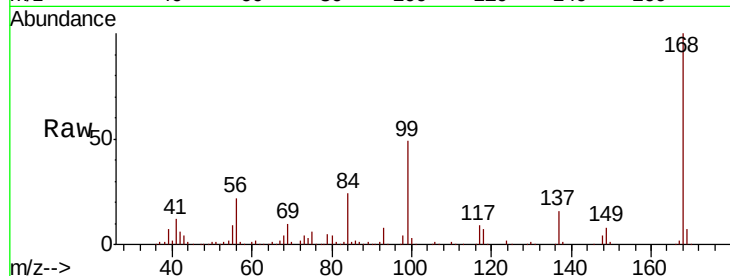
Tgt Ion: 56 Resp: 220682

Ion Ratio Lower Upper

56 100

69 44.9 31.2 46.8

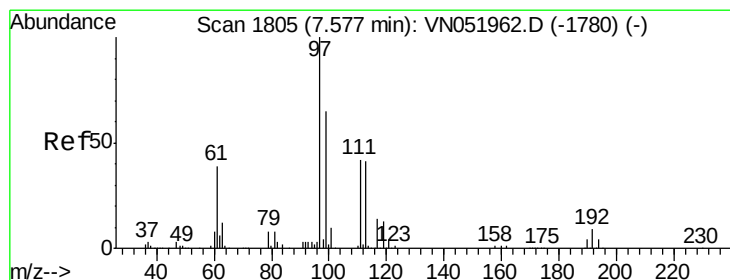
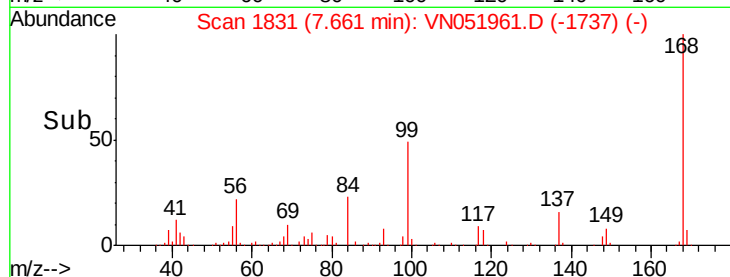
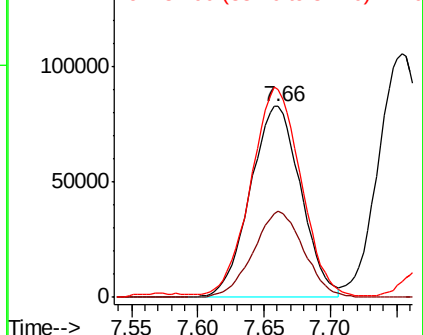
84 107.5 86.3 129.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.197 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

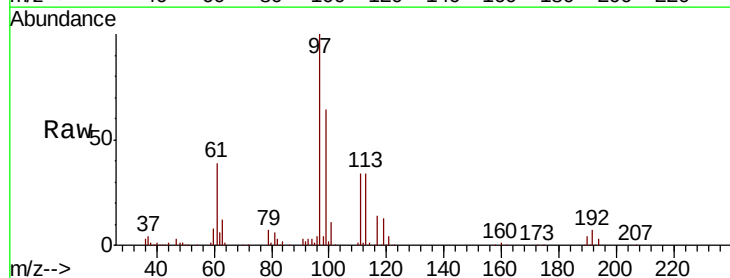
Tgt Ion: 97 Resp: 282592

Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

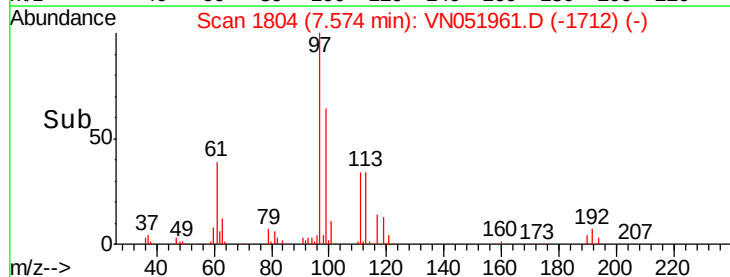
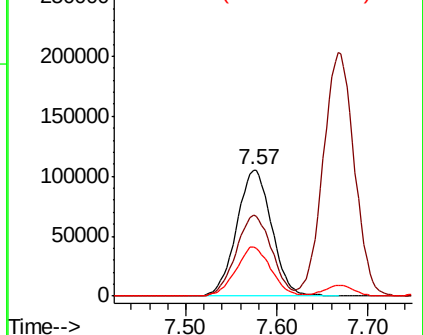
61 38.7 30.1 45.1

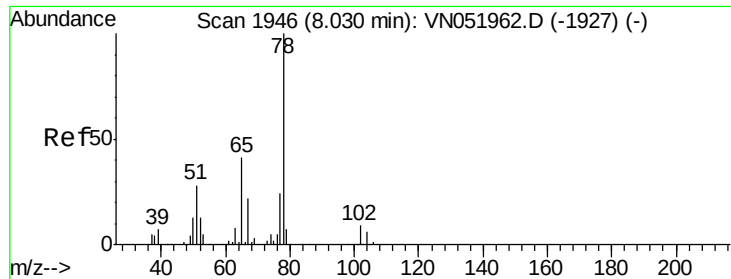


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

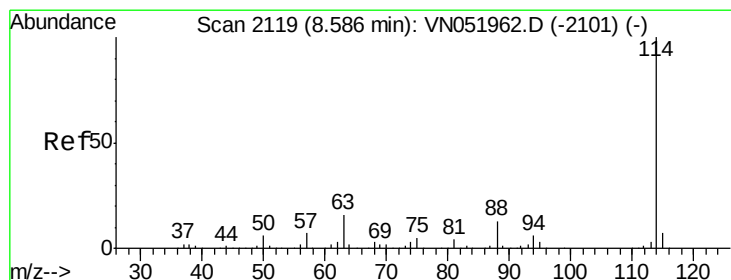
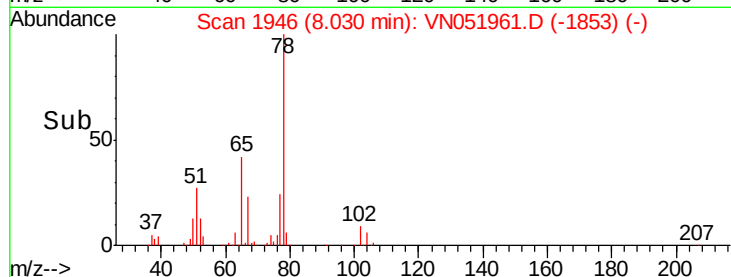
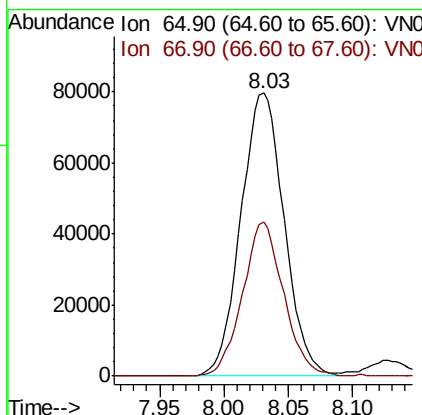
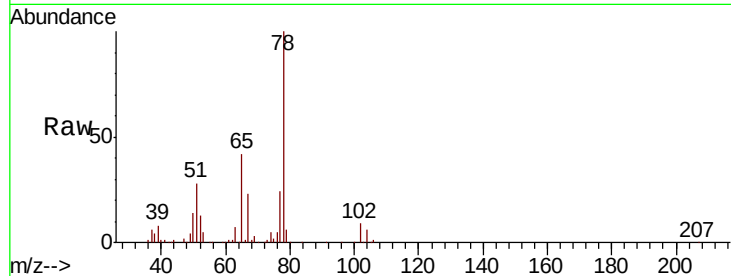




#33
 1,2-Dichloroethane-d4
 Concen: 19.197 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

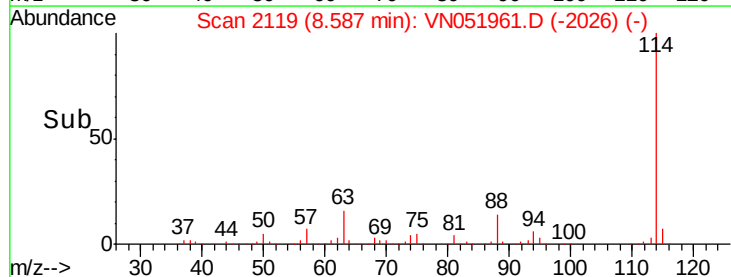
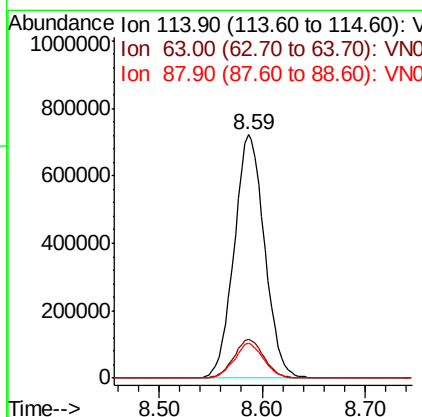
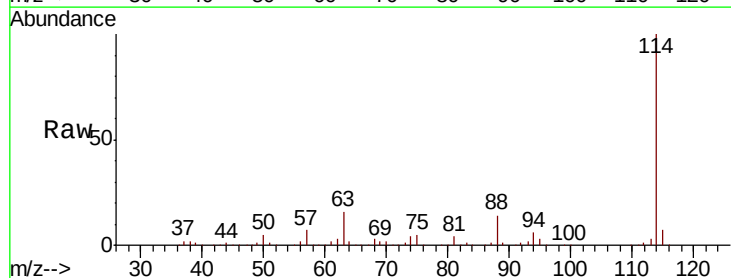
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

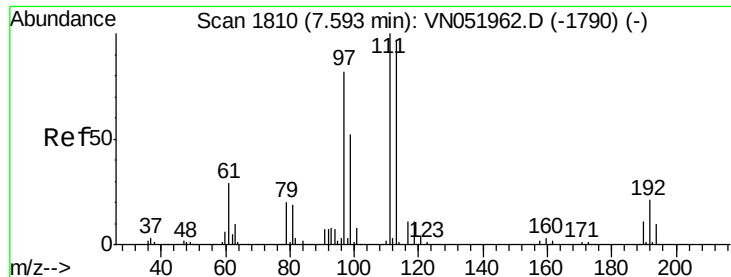
Tgt Ion: 65 Resp: 186630
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 114 Resp: 1481460
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.2
 88 14.1 0.0 27.0

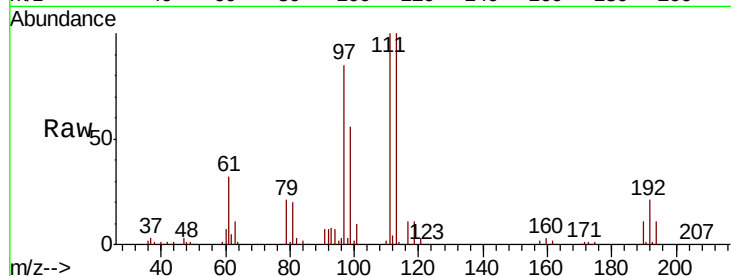




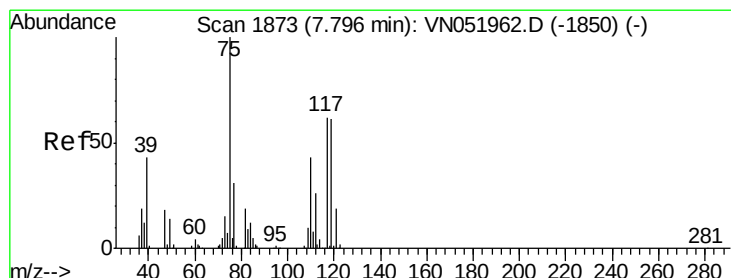
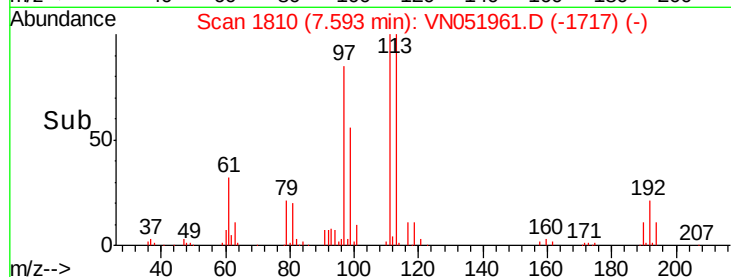
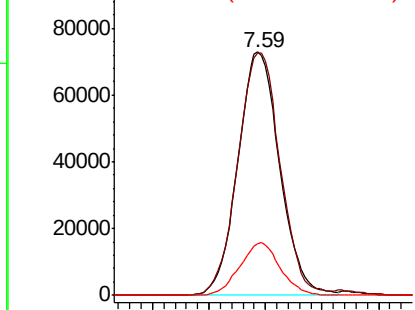
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 187673
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.7 121.1
 192 20.8 17.2 25.8

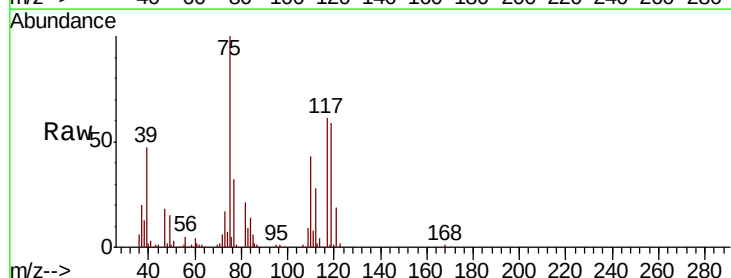


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

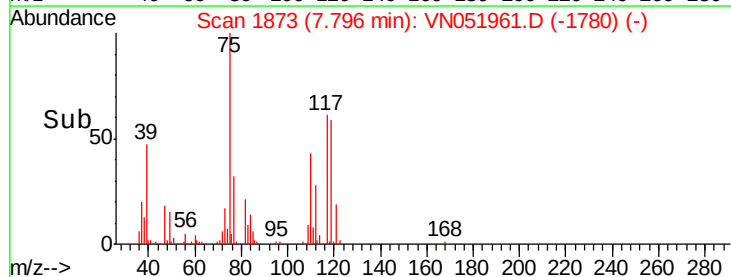
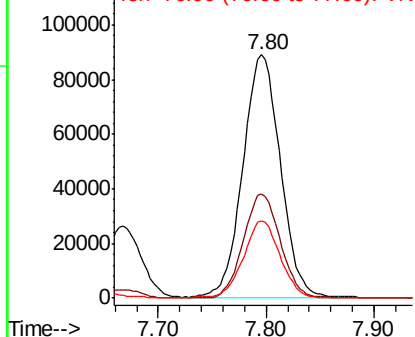


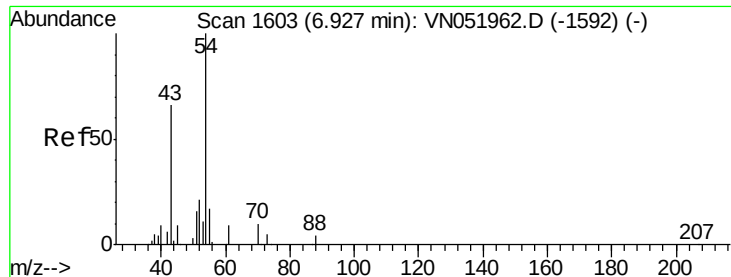
#36
 1,1-Dichloropropene
 Concen: 18.840 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 75 Resp: 214102
 Ion Ratio Lower Upper
 75 100
 110 42.6 20.9 62.8
 77 31.7 24.9 37.3



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

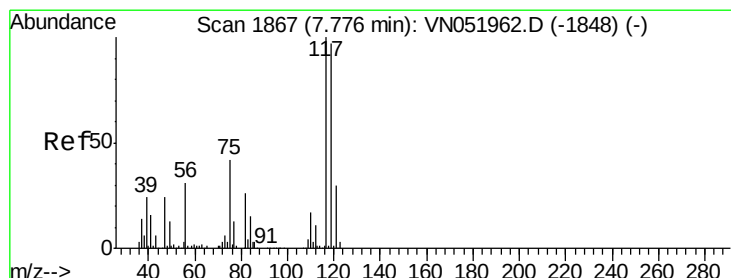
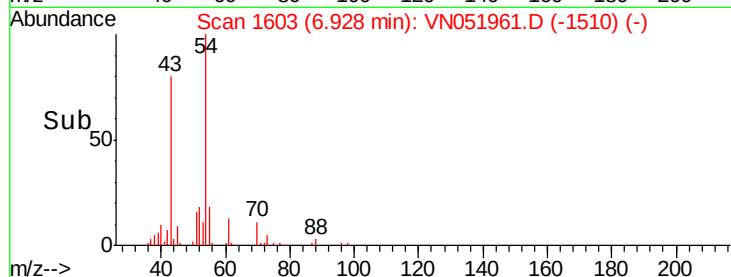
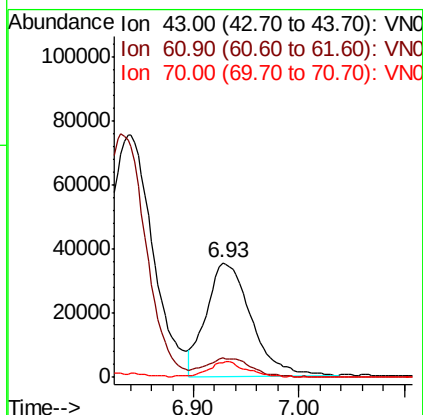
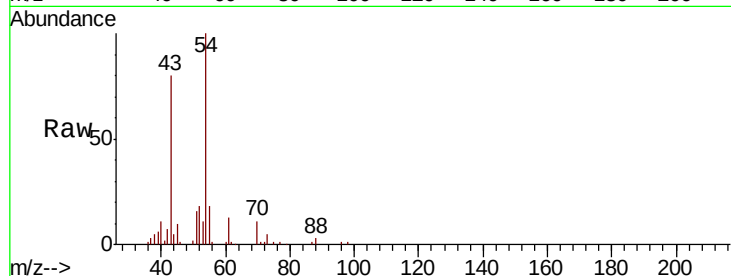




#37
Ethyl Acetate
Concen: 20.939 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

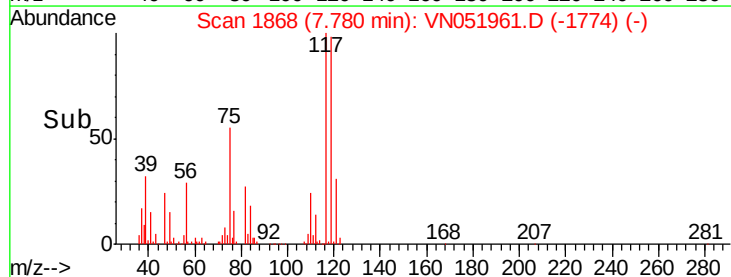
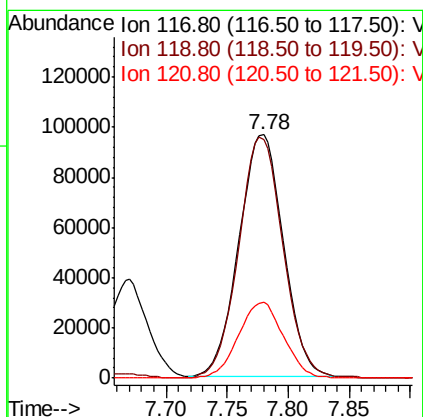
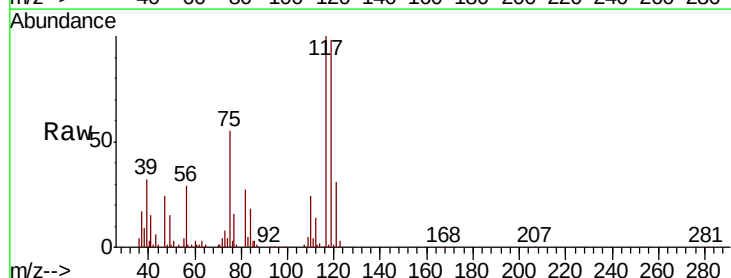
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

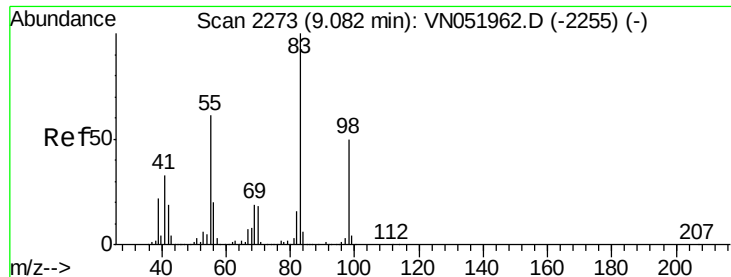
Tgt Ion: 43 Resp: 104365
Ion Ratio Lower Upper
43 100
61 16.9 13.5 20.3
70 12.0 9.8 14.6



#38
Carbon Tetrachloride
Concen: 18.684 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 117 Resp: 243757
Ion Ratio Lower Upper
117 100
119 98.5 77.4 116.0
121 31.3 24.2 36.4

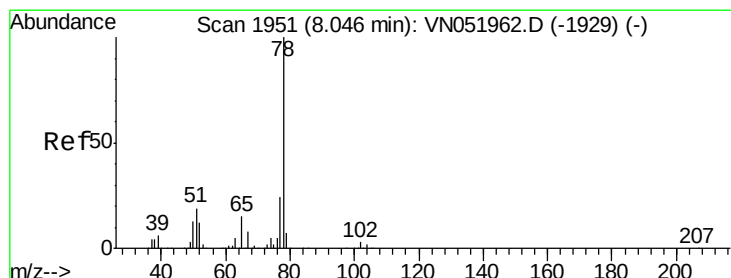
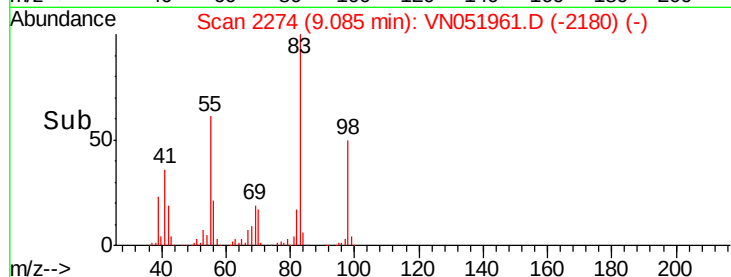
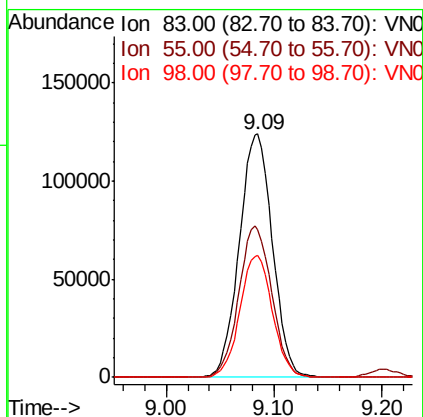
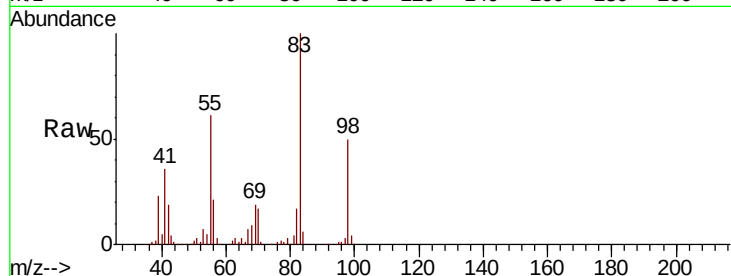




#39
Methylcyclohexane
Concen: 19.139 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

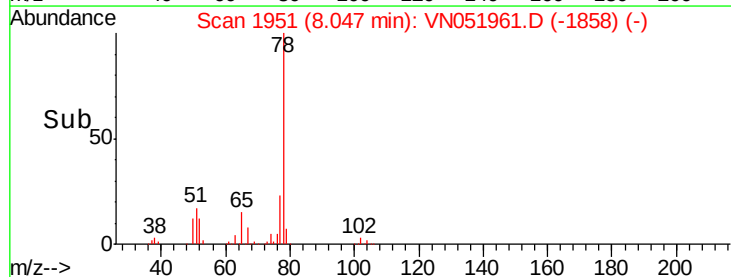
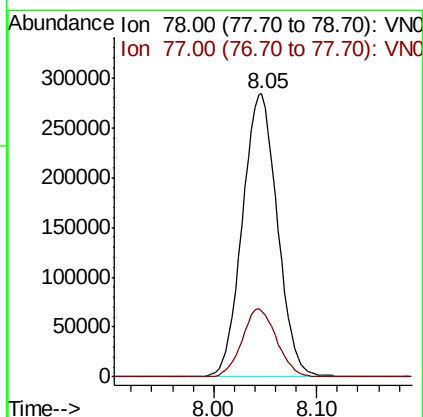
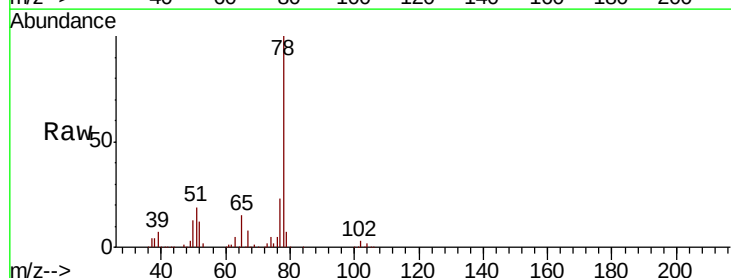
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

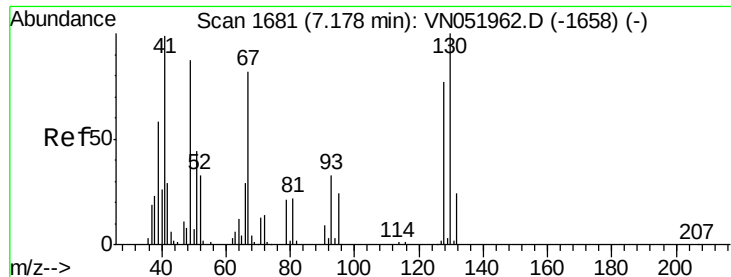
Tgt Ion: 83 Resp: 265654
Ion Ratio Lower Upper
83 100
55 60.6 48.9 73.3
98 50.0 40.2 60.2



#40
Benzene
Concen: 19.821 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 78 Resp: 668803
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0





#41

Methacrylonitrile

Concen: 19.058 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 48668

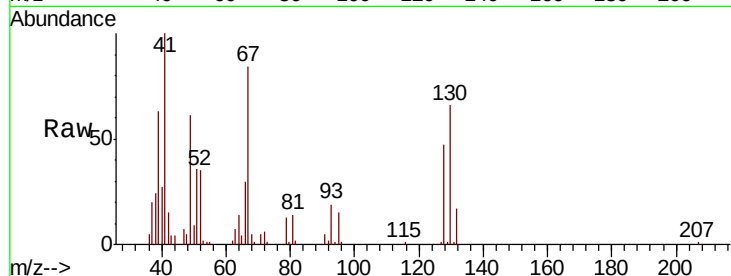
Ion Ratio Lower Upper

41 100

39 58.0 53.1 79.7

67 111.4 93.8 140.6

52 44.3 35.2 52.8

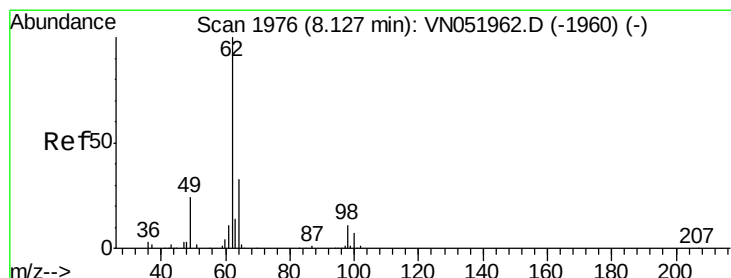
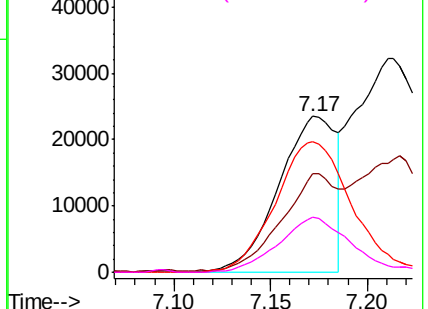
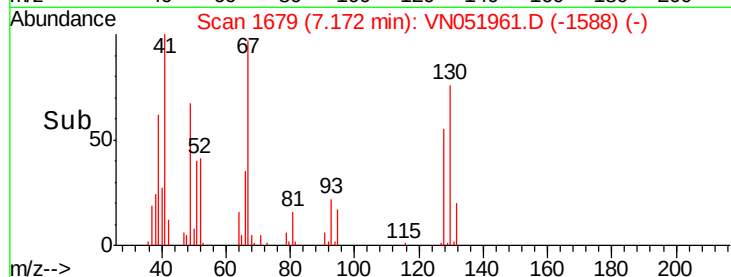


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.461 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051961.D

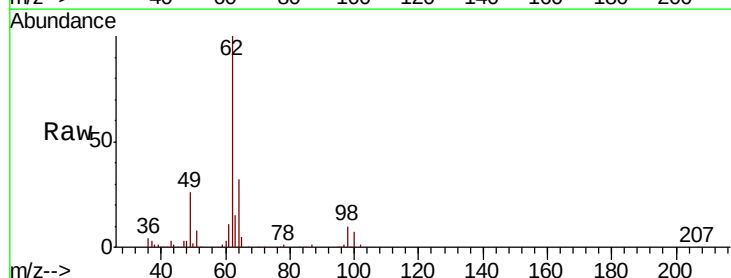
Acq: 23 Oct 2018 13:34

Tgt Ion: 62 Resp: 210537

Ion Ratio Lower Upper

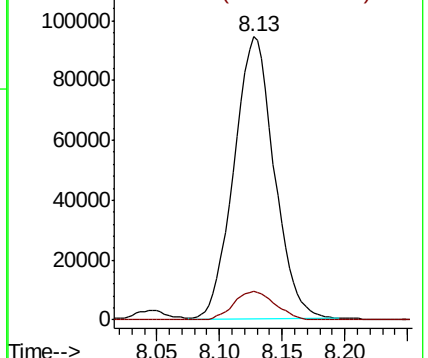
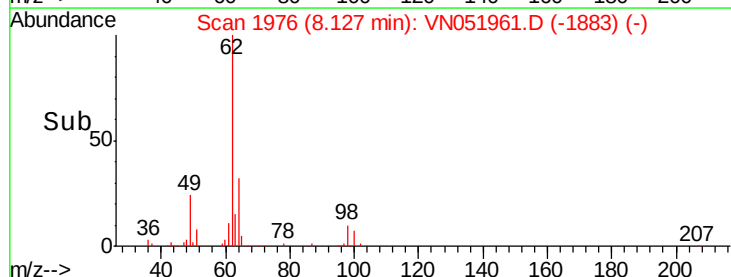
62 100

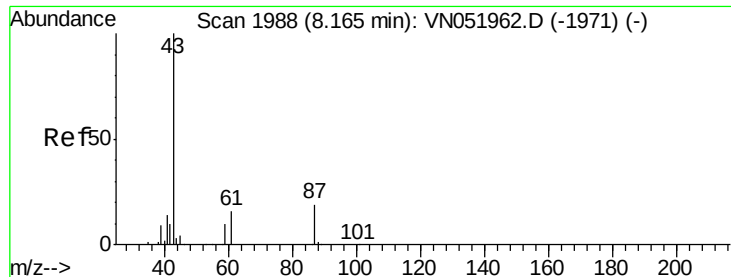
98 10.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

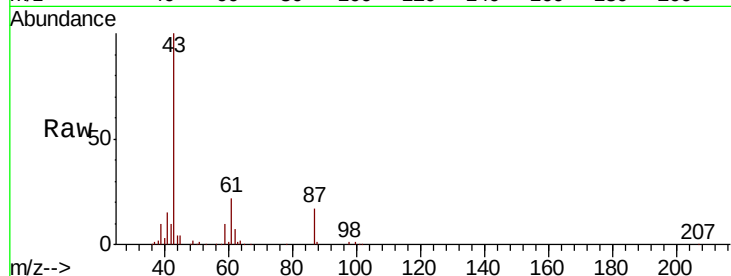




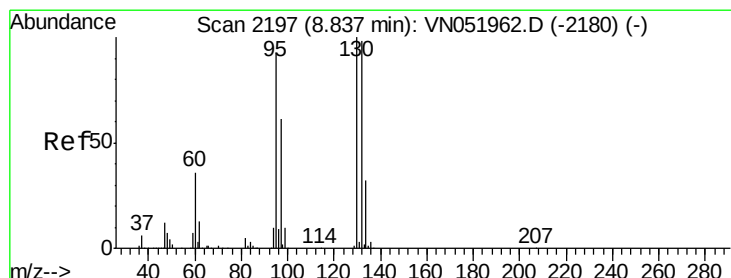
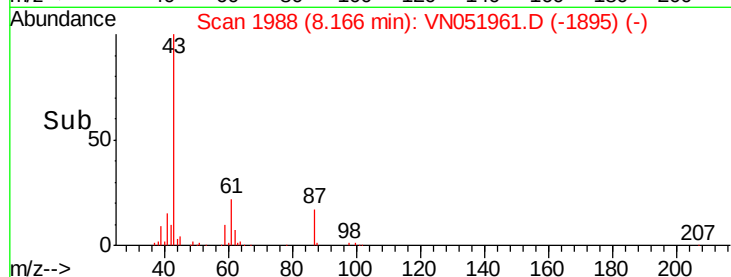
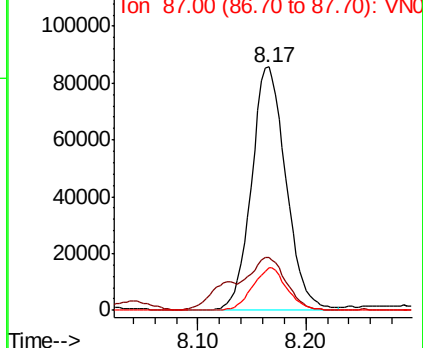
#43
Isopropyl Acetate
Concen: 19.827 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 188698
Ion Ratio Lower Upper
43 100
61 22.1 17.2 25.8
87 17.6 15.2 22.8

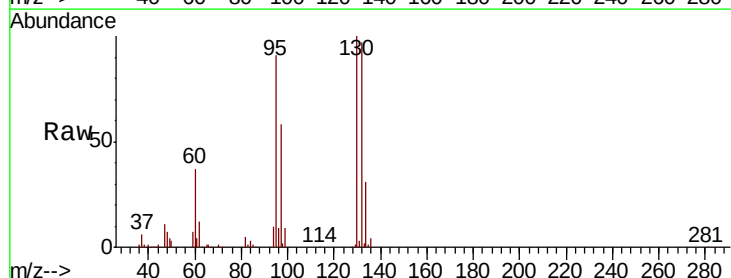


Abundance Ion 43.00 (42.70 to 43.70): VN051961.D (-1895) (-)
Ion 61.00 (60.70 to 61.70): VN051961.D (-1895) (-)
Ion 87.00 (86.70 to 87.70): VN051961.D (-1895) (-)

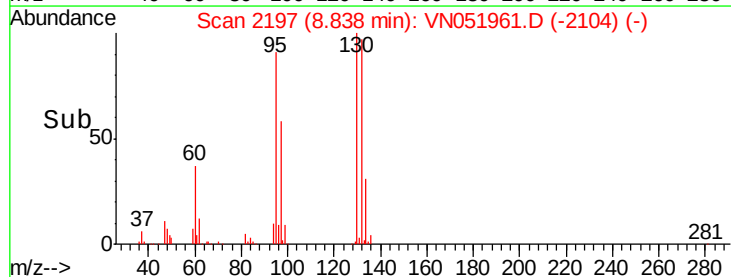
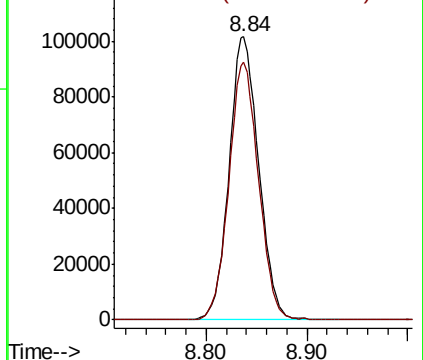


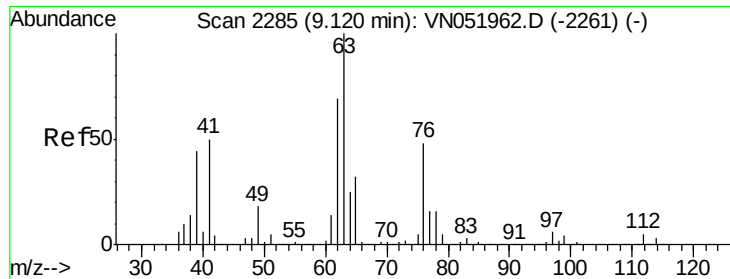
#44
Trichloroethene
Concen: 19.148 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 130 Resp: 207377
Ion Ratio Lower Upper
130 100
95 91.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051961.D (-2104) (-)
Ion 94.90 (94.60 to 95.60): VN051961.D (-2104) (-)

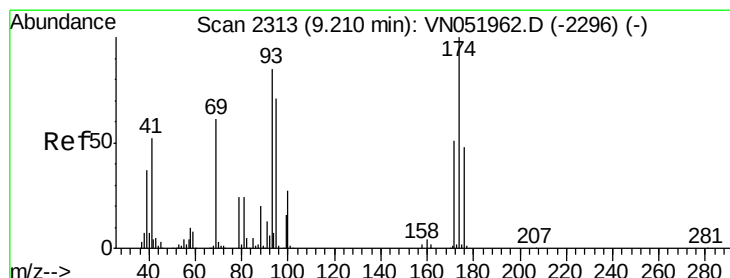
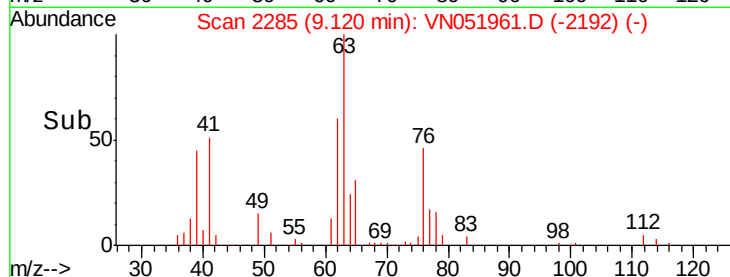
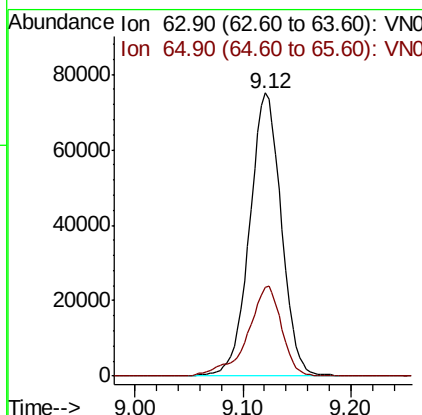
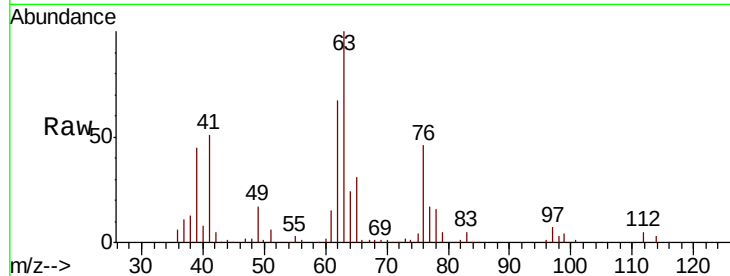




#45
 1,2-Dichloropropane
 Concen: 20.083 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

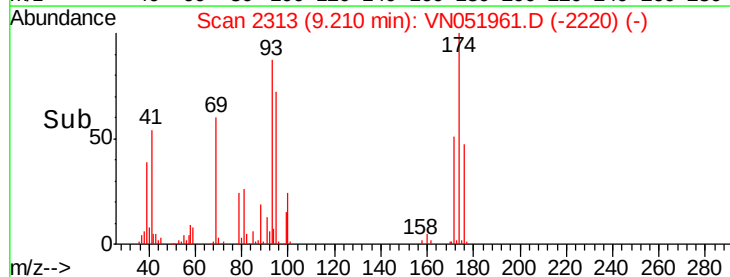
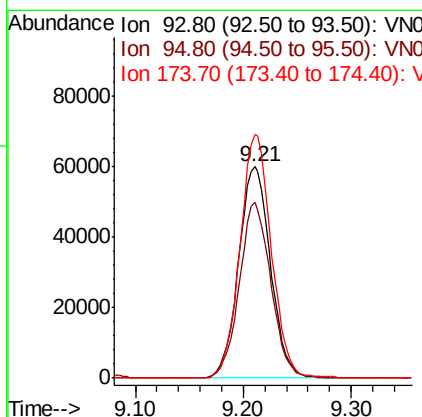
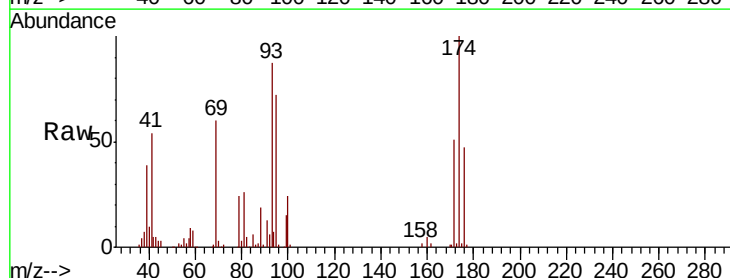
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

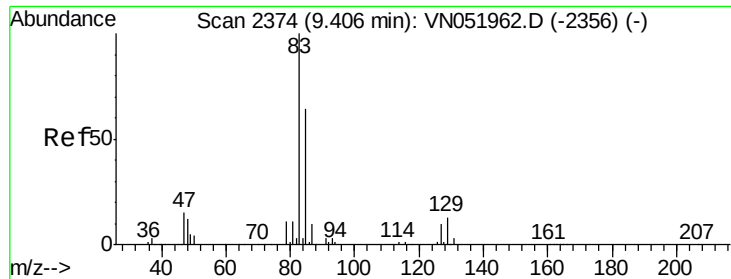
Tgt Ion: 63 Resp: 153291
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.8 38.6



#46
 Dibromomethane
 Concen: 20.096 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 93 Resp: 123647
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.7 100.1
 174 113.0 93.8 140.6





#47

Bromodichloromethane

Concen: 19.417 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

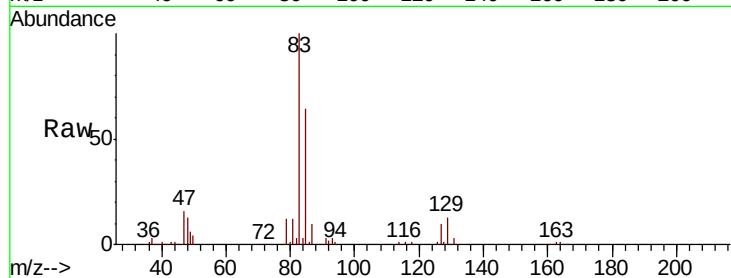
Tgt Ion: 83 Resp: 225625

Ion Ratio Lower Upper

83 100

85 63.6 51.0 76.4

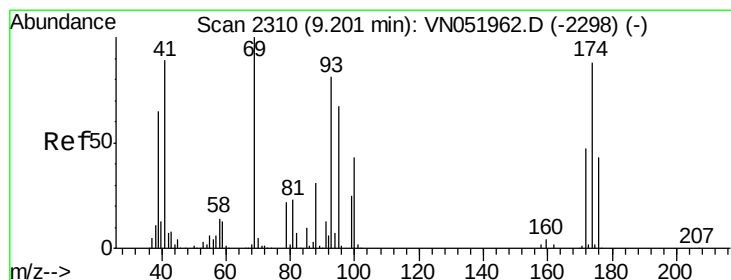
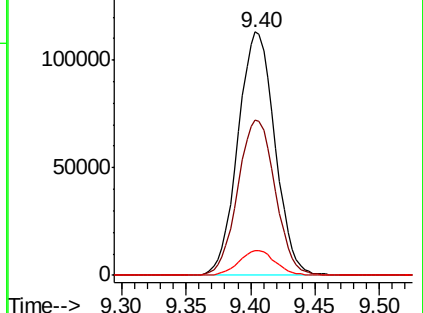
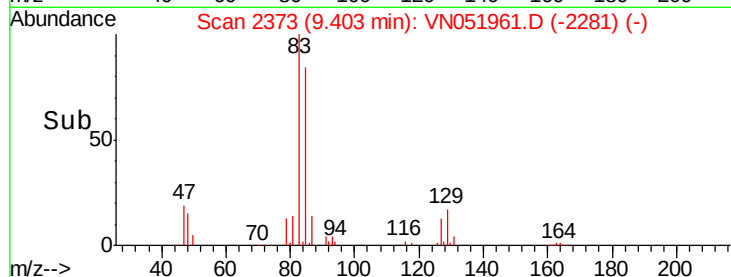
127 10.1 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN051961.D (-2281) (-)

Ion 84.90 (84.60 to 85.60): VN051961.D (-2281) (-)

Ion 126.80 (126.50 to 127.50): VN051961.D (-2281) (-)



#48

Methyl methacrylate

Concen: 19.835 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

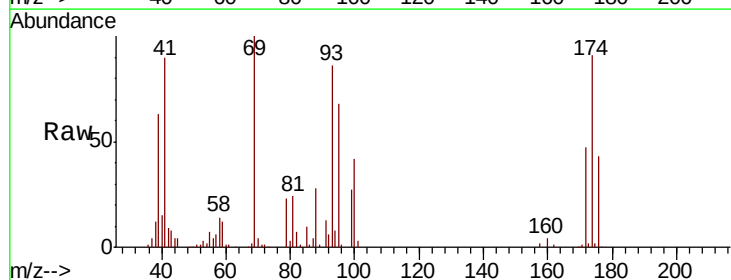
Tgt Ion: 41 Resp: 91244

Ion Ratio Lower Upper

41 100

69 117.2 92.2 138.4

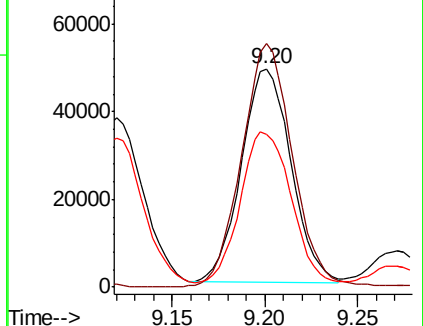
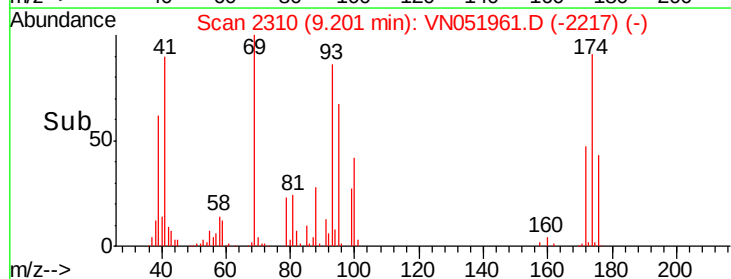
39 74.3 60.2 90.4

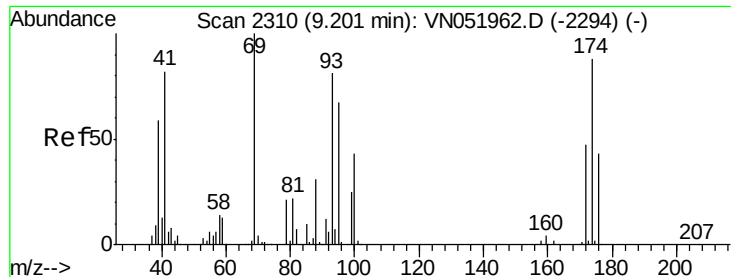


Abundance Ion 41.00 (40.70 to 41.70): VN051961.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051961.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051961.D (-2217) (-)





#49

1,4-Dioxane

Concen: 393.125 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

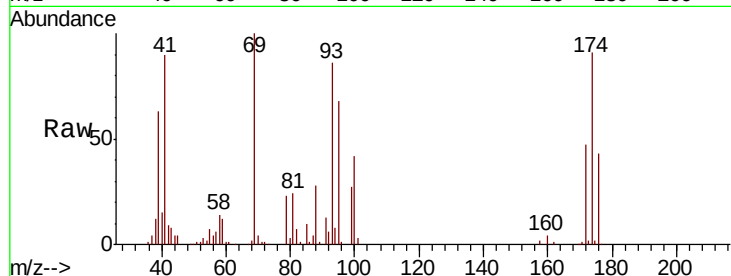
Tgt Ion: 88 Resp: 33160

Ion Ratio Lower Upper

88 100

43 27.2 18.8 28.2

58 53.7 39.8 59.6

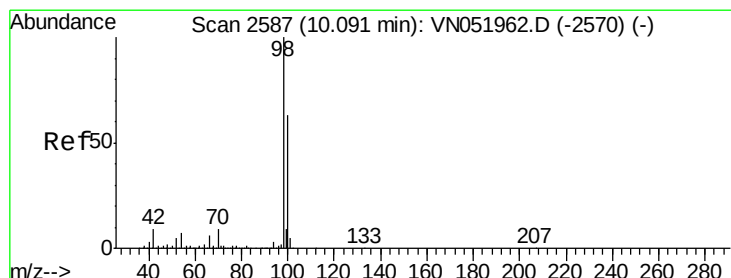
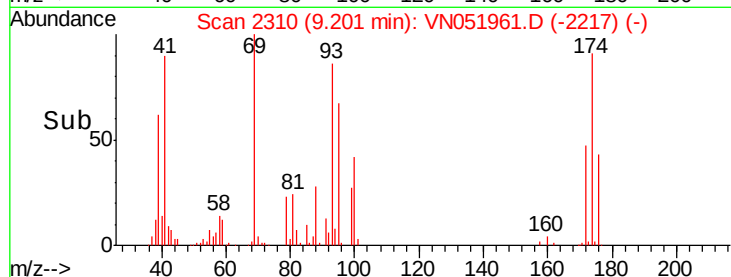
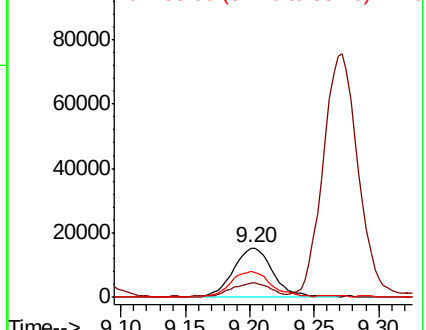


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 393.125 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051961.D

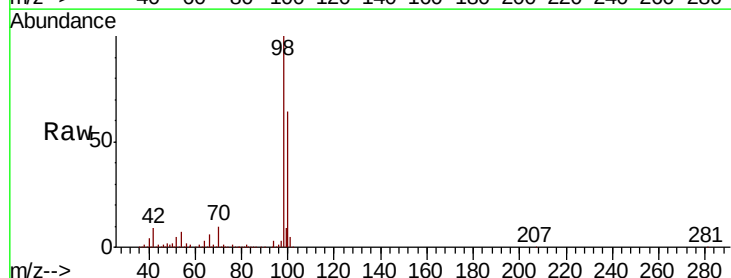
Acq: 23 Oct 2018 13:34

Tgt Ion: 98 Resp: 666511

Ion Ratio Lower Upper

98 100

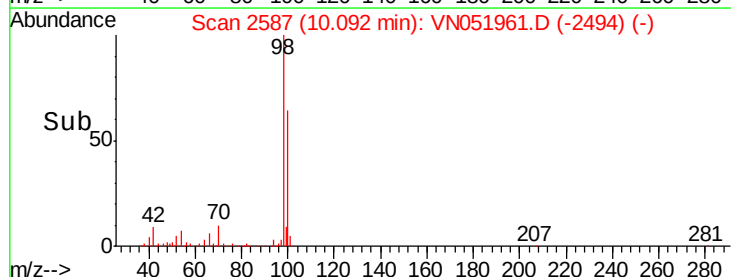
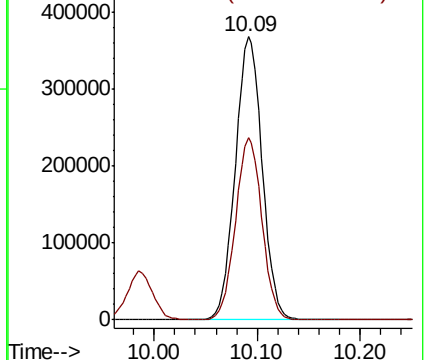
100 63.1 50.7 76.1

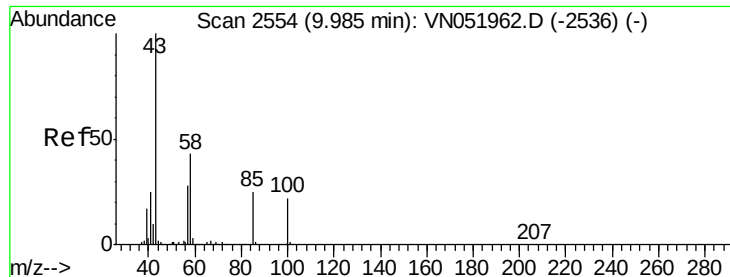


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

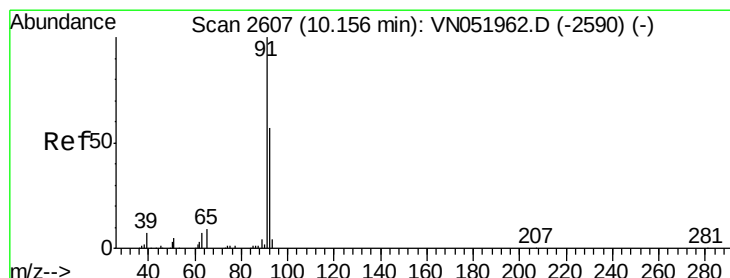
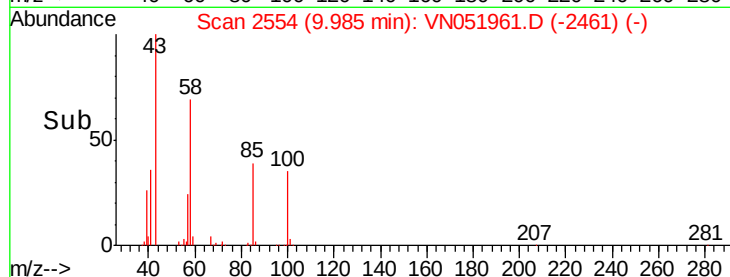
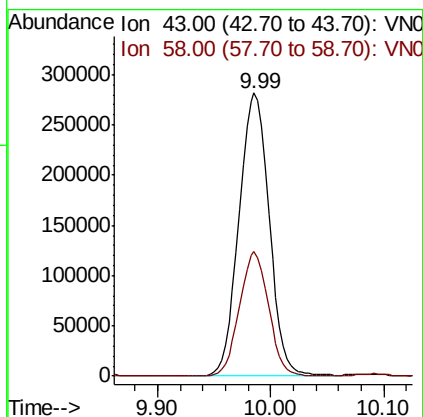
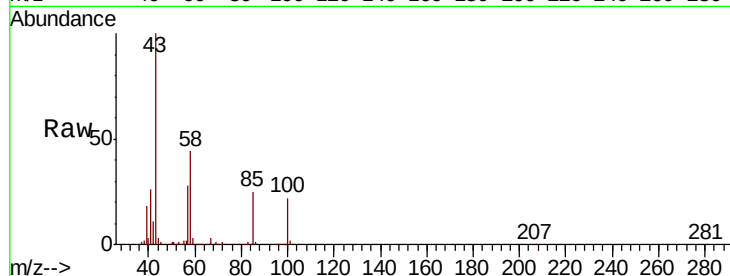




#51
 4-Methyl-2-Pentanone
 Concen: 100.227 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

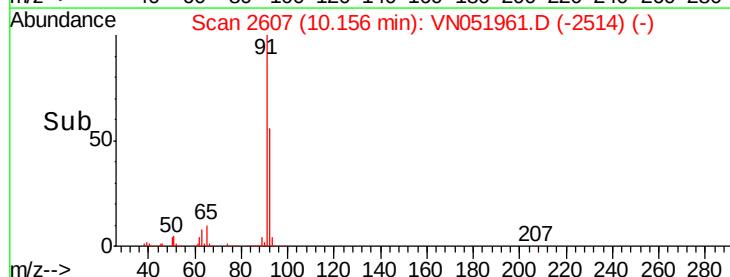
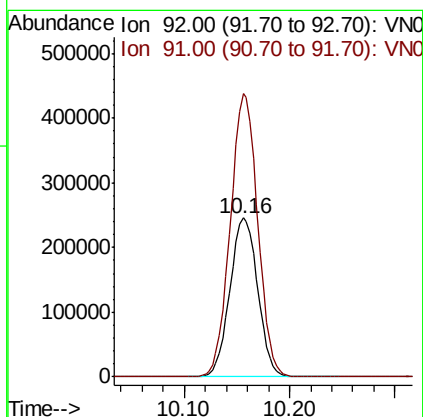
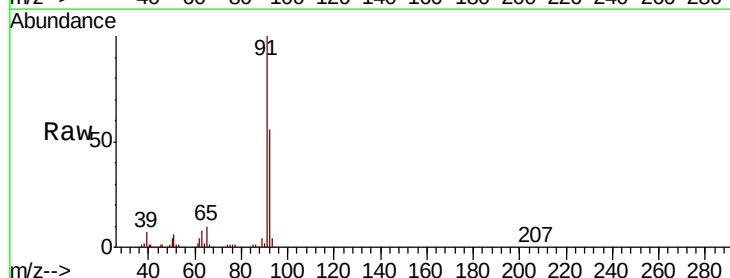
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

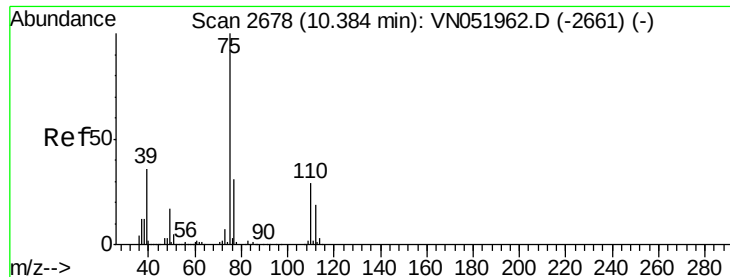
Tgt Ion: 43 Resp: 524693
 Ion Ratio Lower Upper
 43 100
 58 42.4 34.8 52.2



#52
 Toluene
 Concen: 19.563 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 92 Resp: 447599
 Ion Ratio Lower Upper
 92 100
 91 175.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.226 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampled :

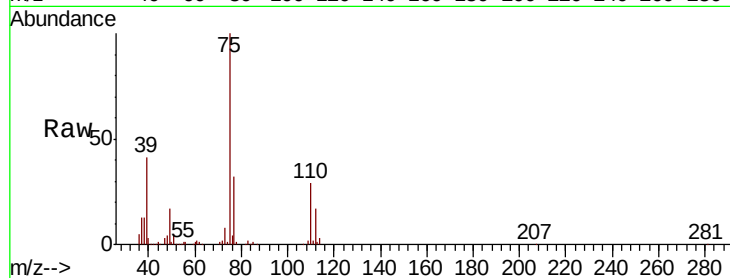
VSTDIC020

Tgt Ion: 75 Resp: 204693

Ion Ratio Lower Upper

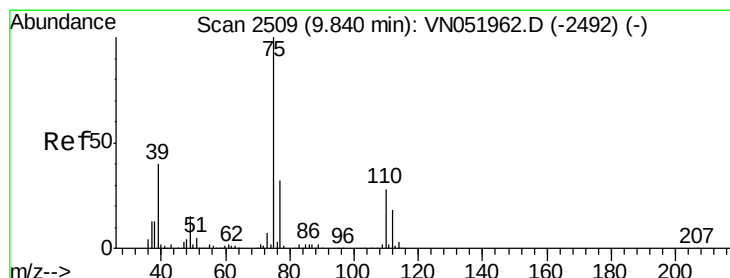
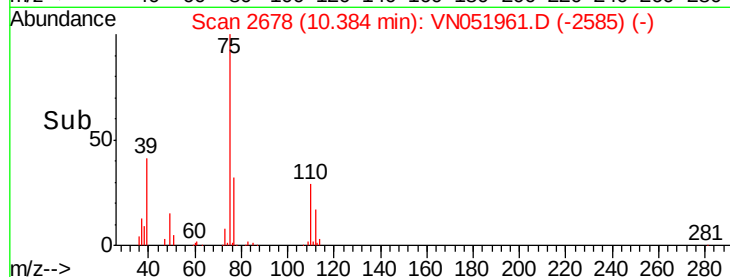
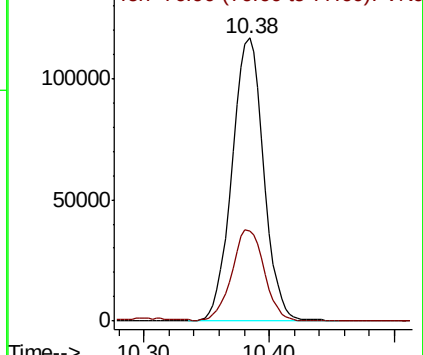
75 100

77 31.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.654 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

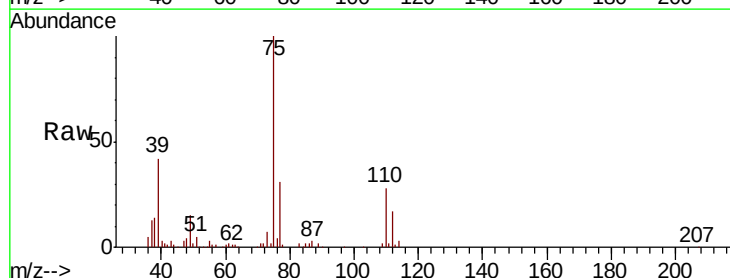
Tgt Ion: 75 Resp: 238703

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

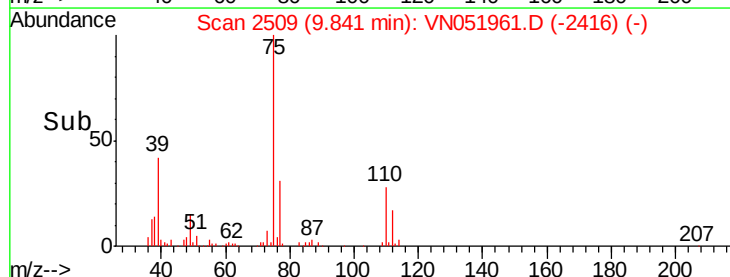
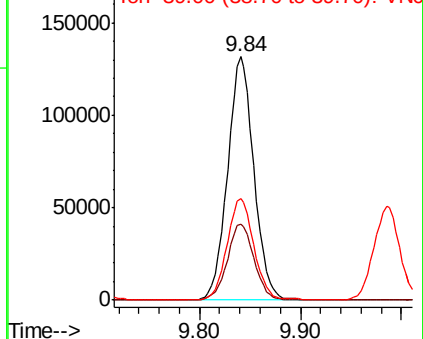
39 41.6 32.0 48.0

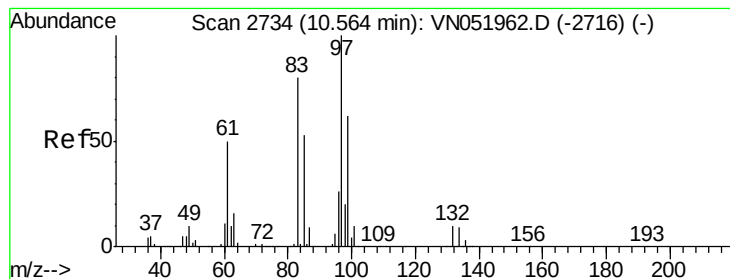


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.653 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 166145

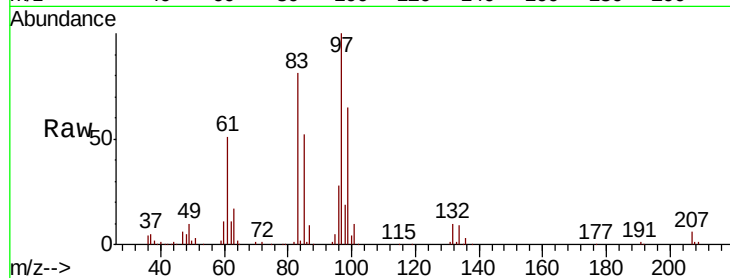
Ion Ratio Lower Upper

97 100

83 81.2 64.0 96.0

85 51.9 42.4 63.6

99 64.8 49.4 74.2



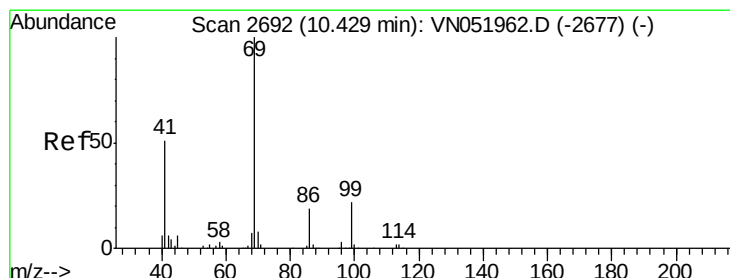
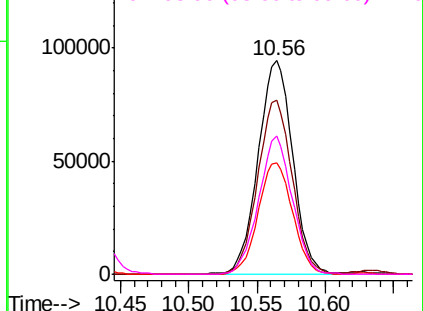
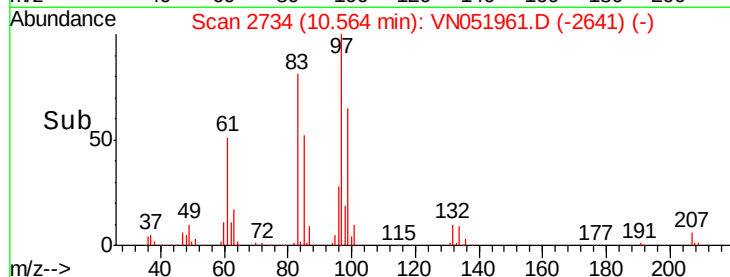
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.815 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

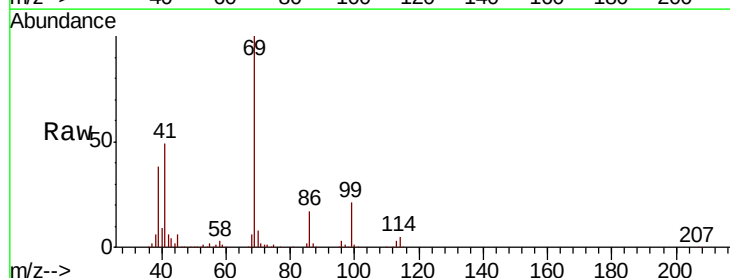
Tgt Ion: 69 Resp: 180062

Ion Ratio Lower Upper

69 100

41 50.0 40.7 61.1

39 38.2 29.3 43.9

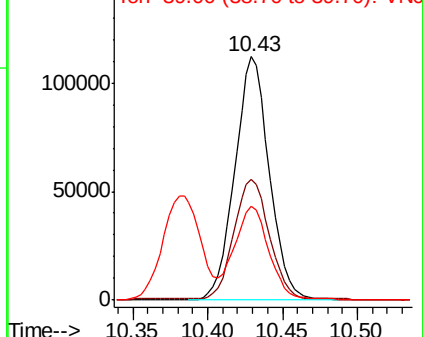
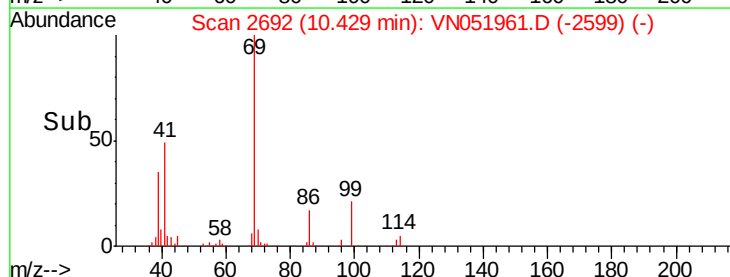


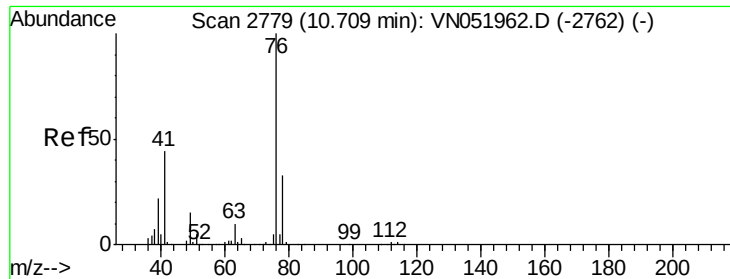
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

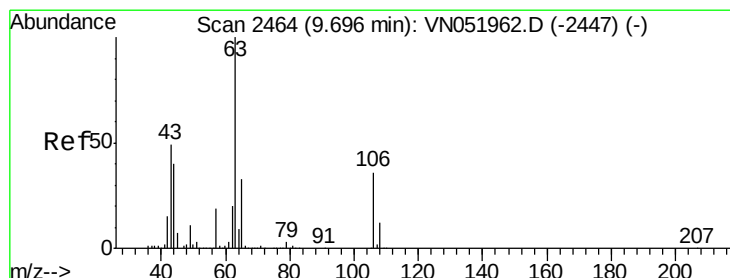
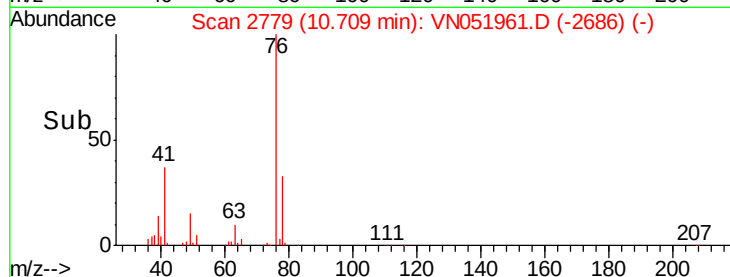
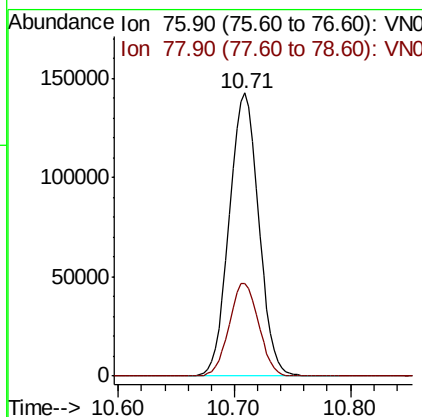
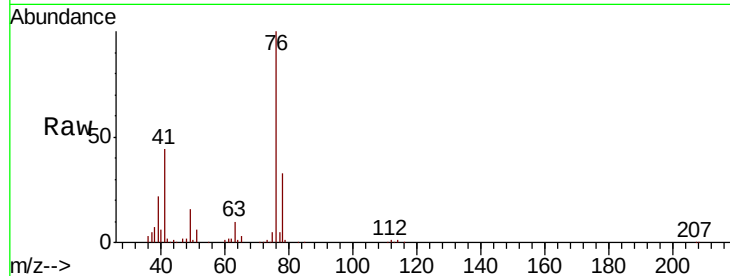




#57
 1,3-Dichloropropane
 Concen: 19.515 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

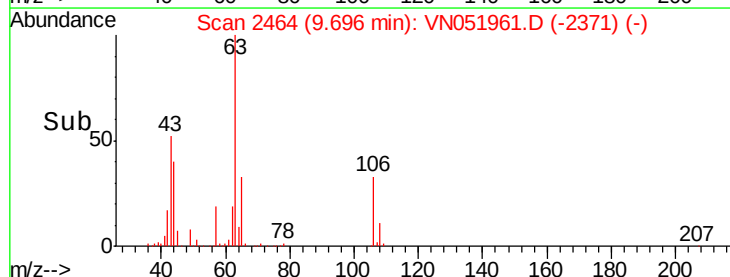
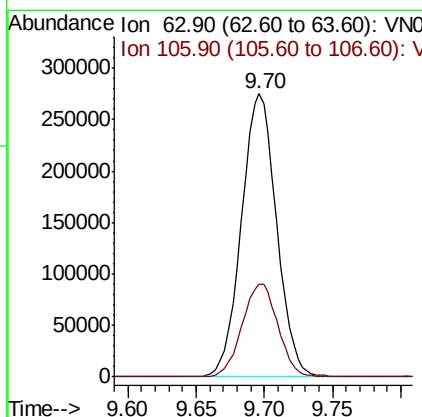
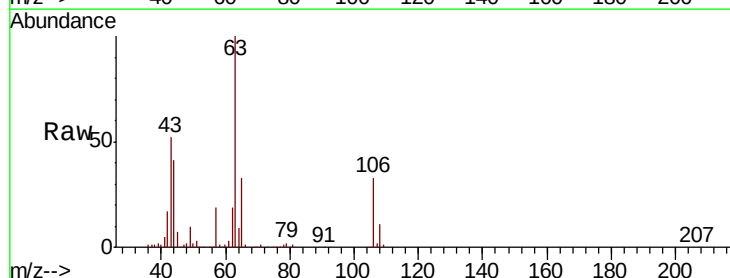
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

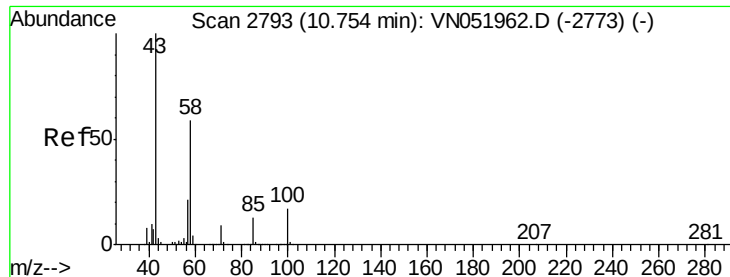
Tgt Ion: 76 Resp: 250453
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.309 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 63 Resp: 491218
 Ion Ratio Lower Upper
 63 100
 106 33.5 28.3 42.5

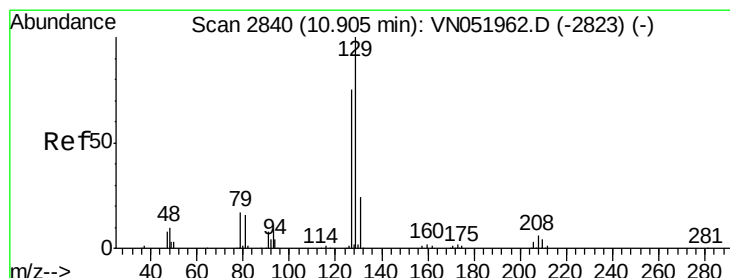
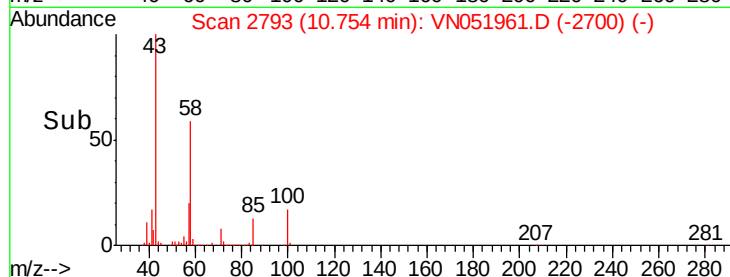
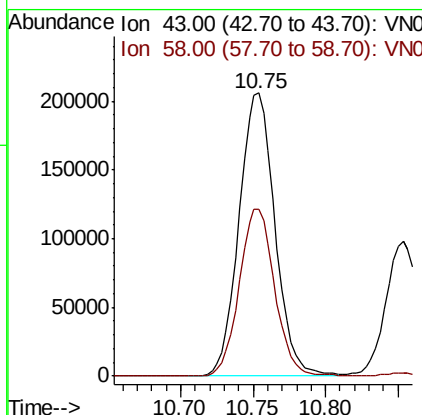
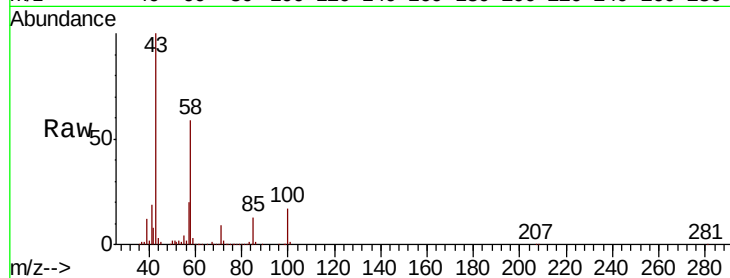




#59
2-Hexanone
Concen: 100.498 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

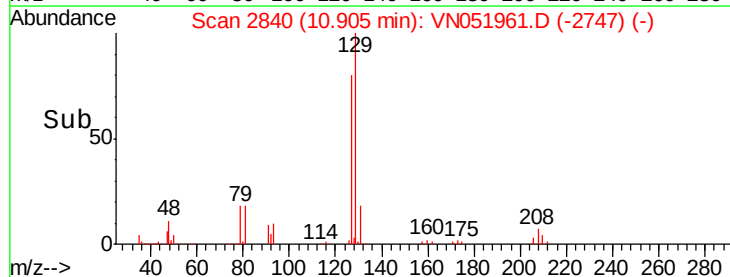
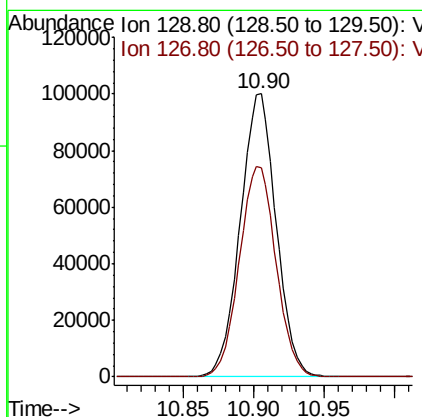
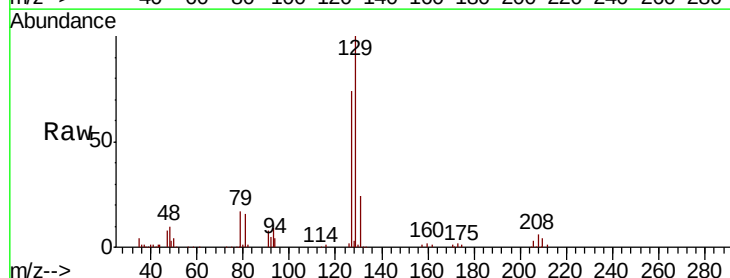
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

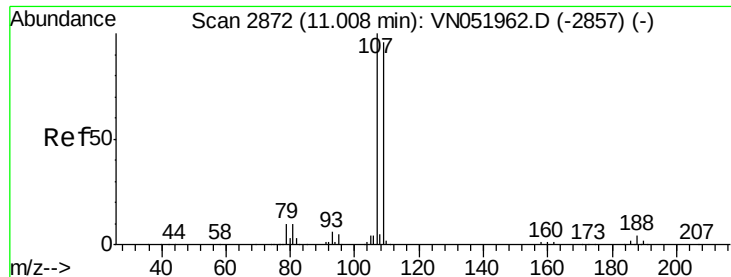
Tgt Ion: 43 Resp: 353490
Ion Ratio Lower Upper
43 100
58 58.4 29.9 89.8



#60
Dibromochloromethane
Concen: 18.829 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 129 Resp: 178384
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.556 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampled :

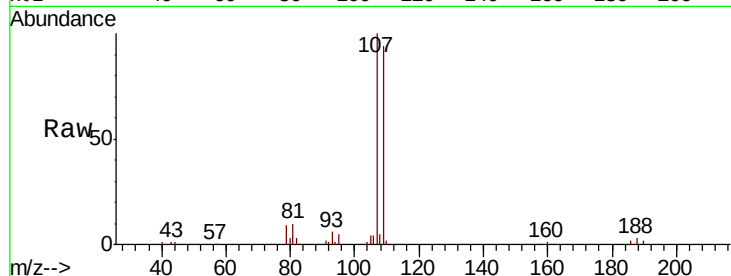
VSTDIC020

Tgt Ion: 107 Resp: 174311

Ion Ratio Lower Upper

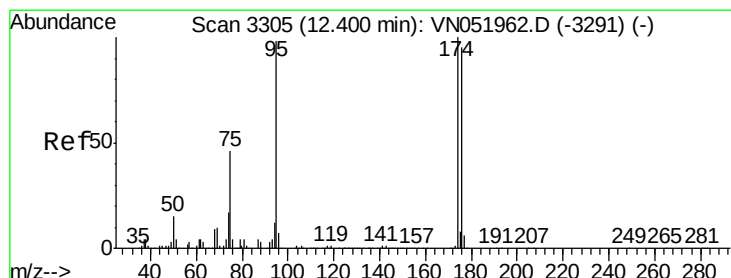
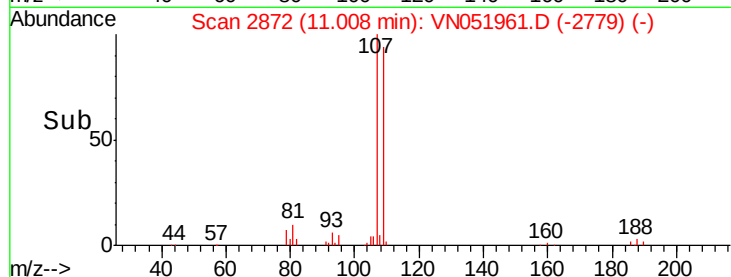
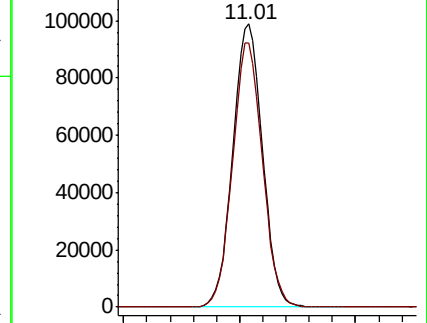
107 100

109 93.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.556 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

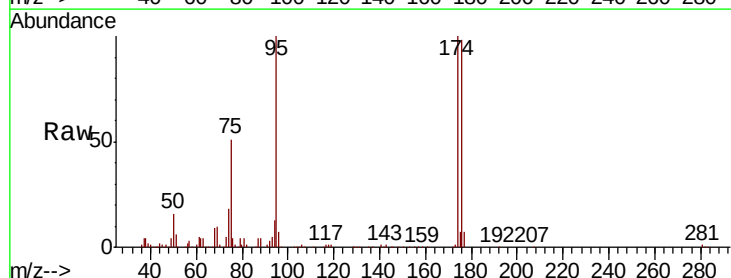
Tgt Ion: 95 Resp: 220424

Ion Ratio Lower Upper

95 100

174 99.5 0.0 206.0

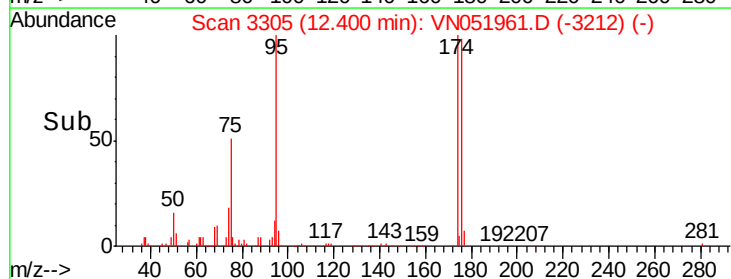
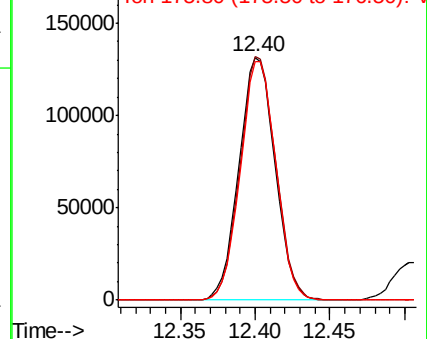
176 96.9 0.0 198.0

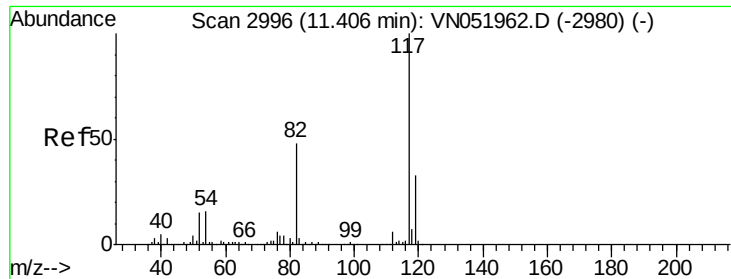


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

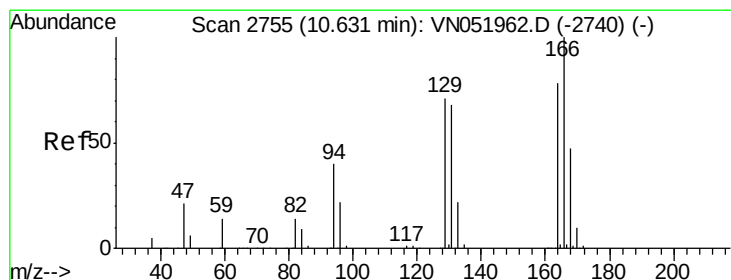
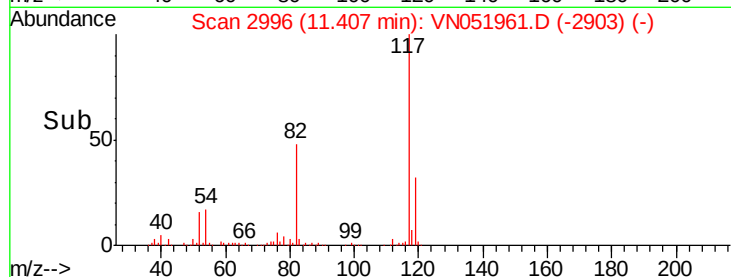
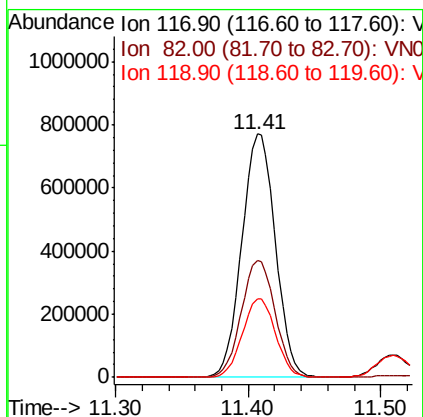
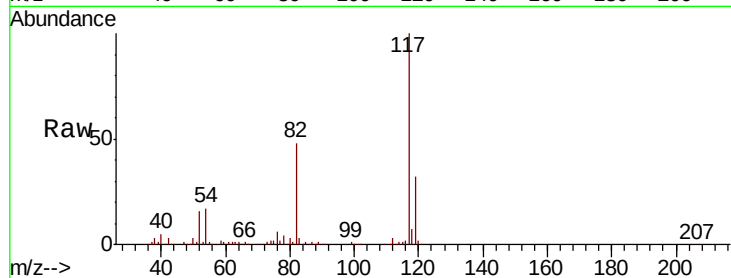




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

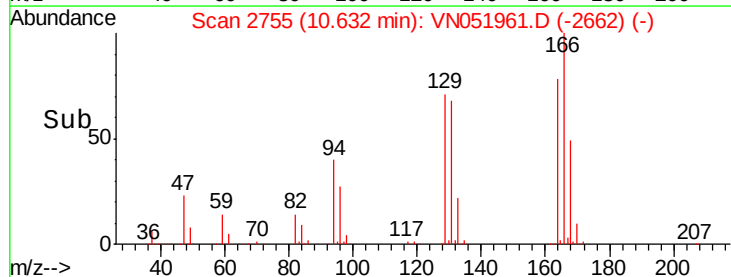
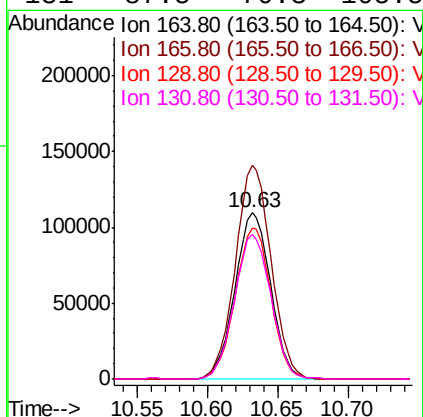
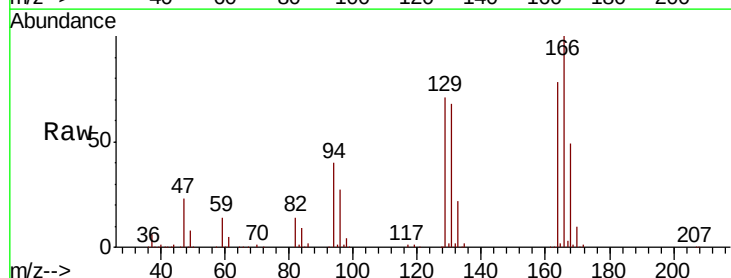
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

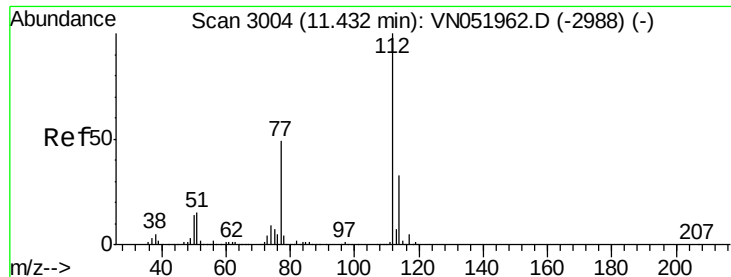
Tgt Ion:117 Resp: 1353717
Ion Ratio Lower Upper
117 100
82 48.2 38.1 57.1
119 32.5 26.4 39.6



#64
Tetrachloroethene
Concen: 18.721 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion:164 Resp: 194513
Ion Ratio Lower Upper
164 100
166 128.8 103.1 154.7
129 90.9 73.6 110.4
131 87.5 70.3 105.5

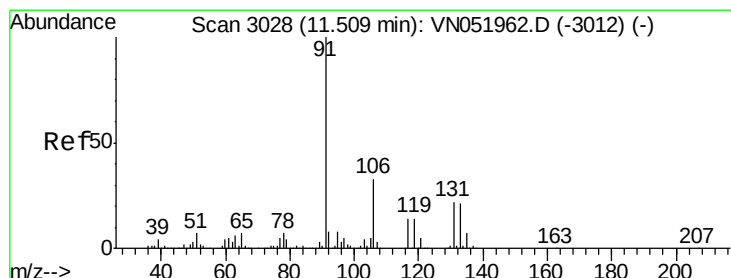
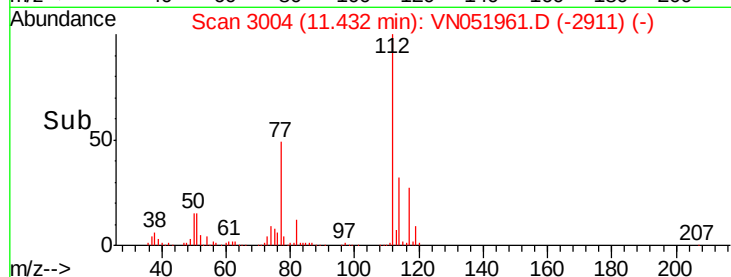
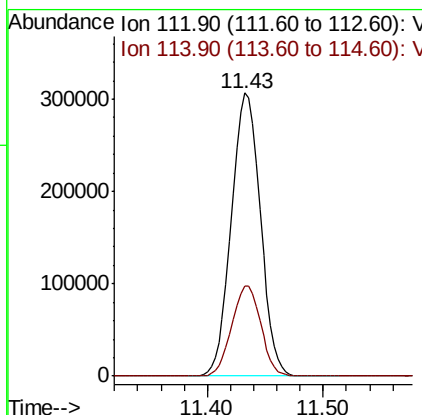
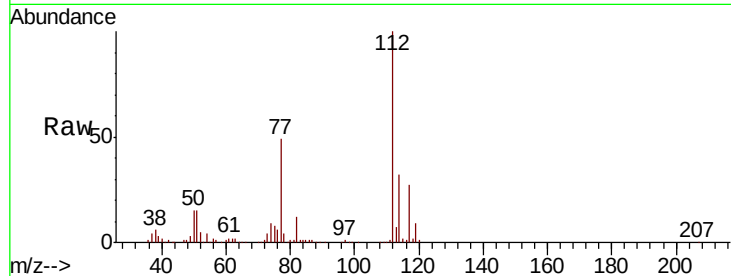




#65
Chlorobenzene
Concen: 19.419 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

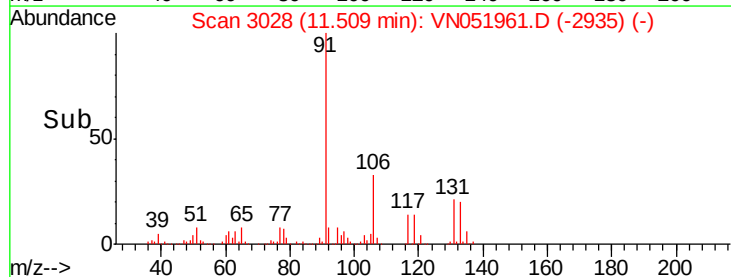
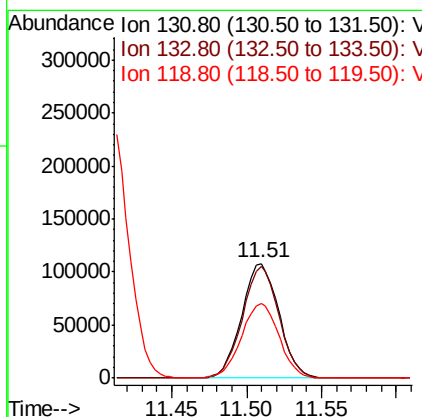
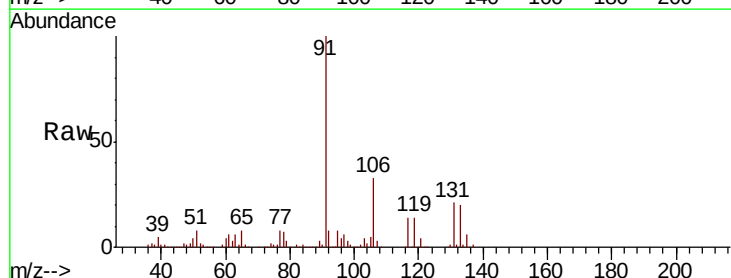
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

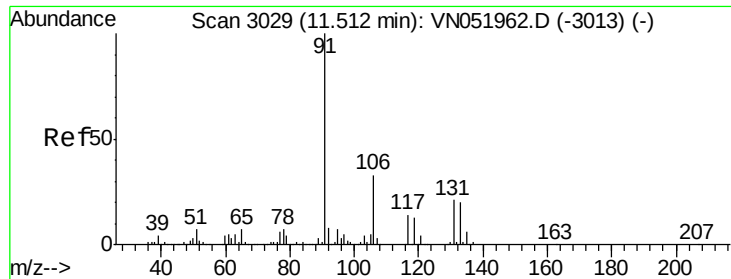
Tgt Ion:112 Resp: 530761
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion:131 Resp: 187404
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 65.5 32.0 96.2

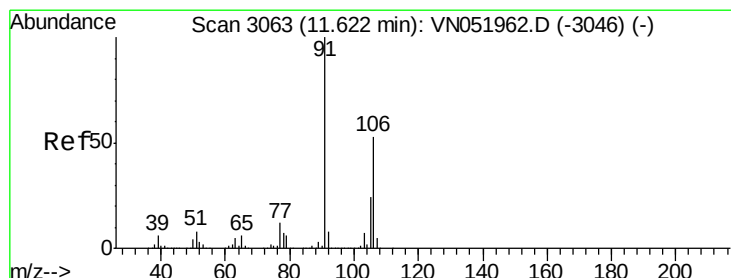
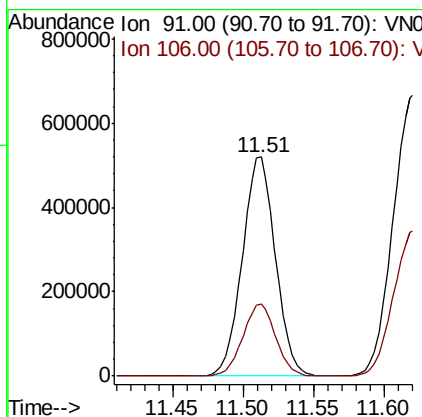
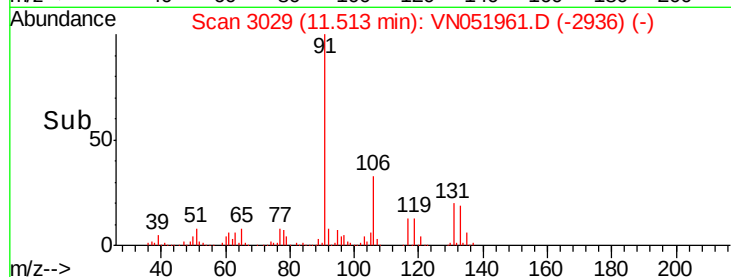
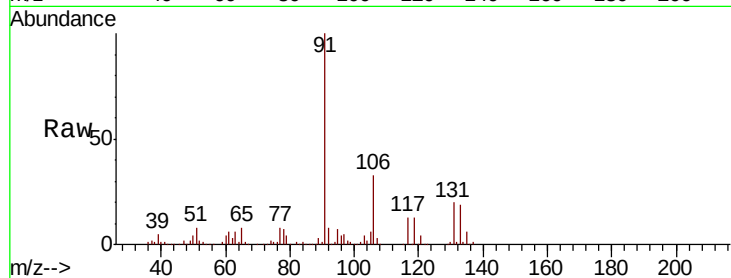




#67
Ethyl Benzene
Concen: 19.461 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

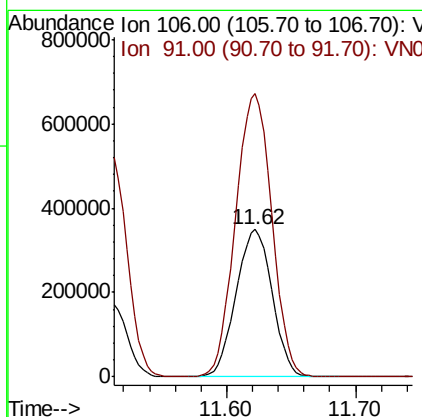
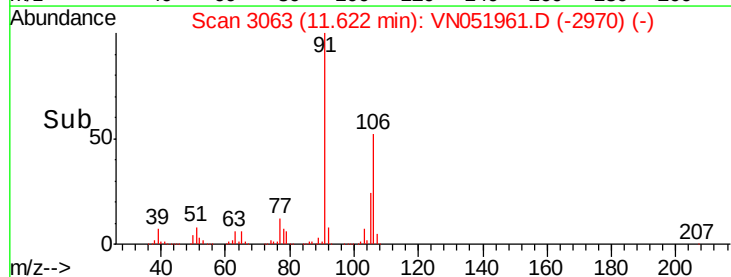
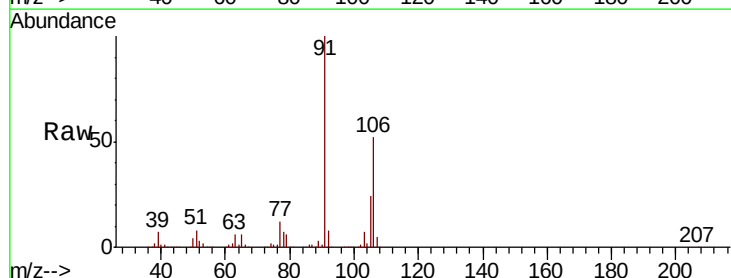
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

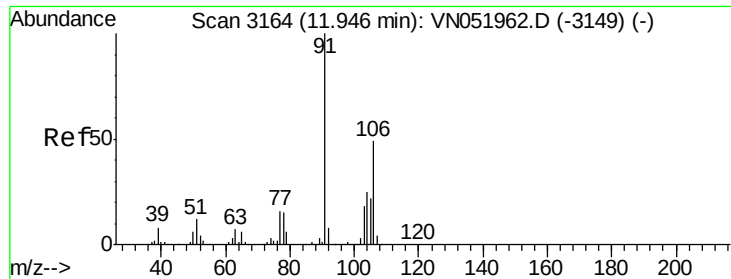
Tgt Ion: 91 Resp: 855020
Ion Ratio Lower Upper
91 100
106 33.0 26.4 39.6



#68
m/p-Xylenes
Concen: 38.827 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 106 Resp: 681550
Ion Ratio Lower Upper
106 100
91 192.7 152.2 228.2

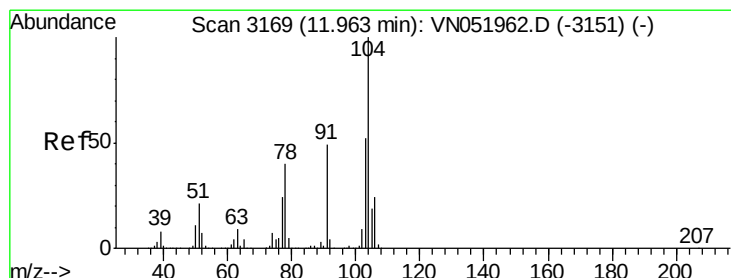
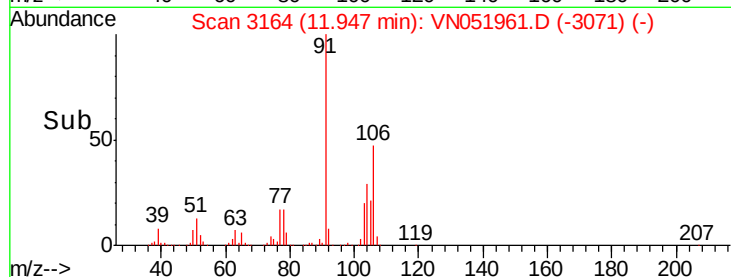
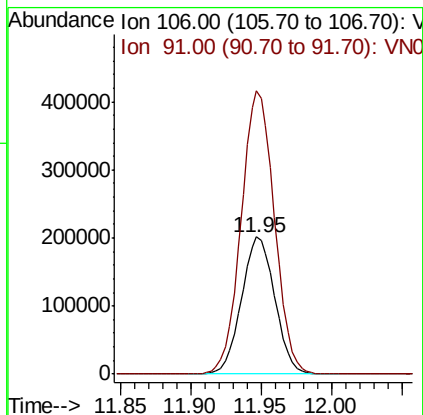
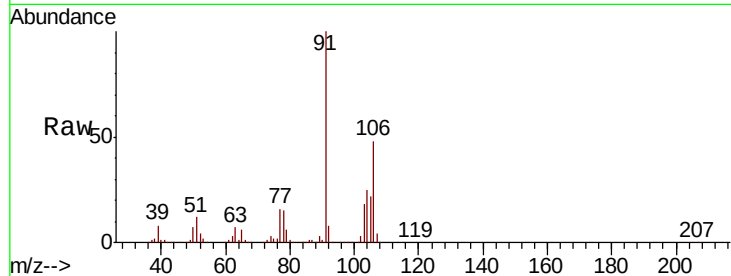




#69
o-Xylene
Concen: 19.543 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

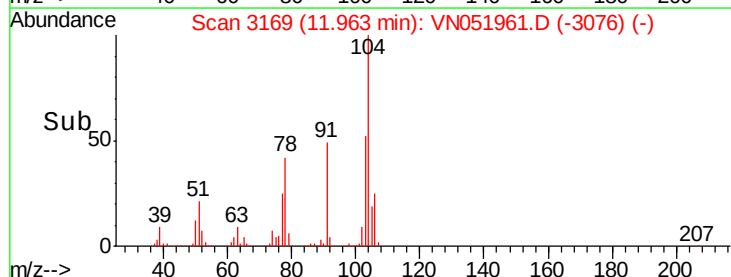
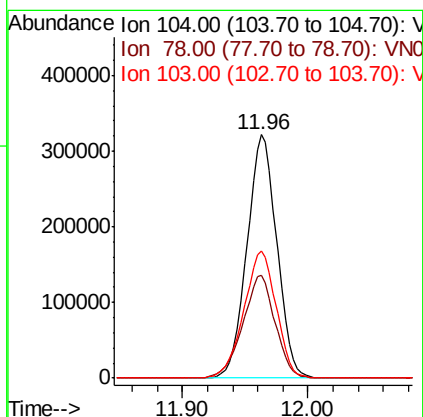
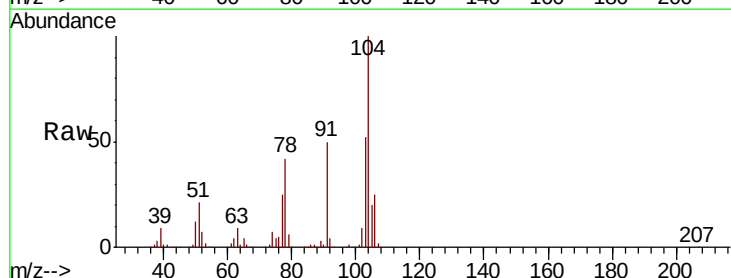
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

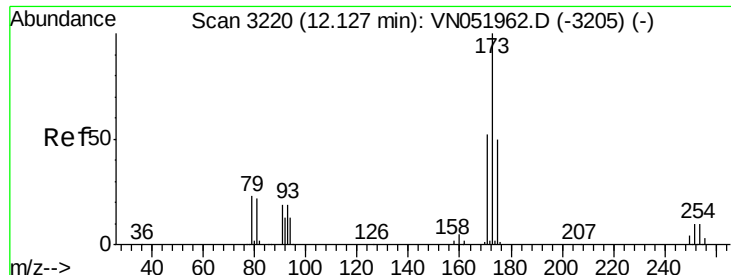
Tgt Ion:106 Resp: 333623
Ion Ratio Lower Upper
106 100
91 205.9 101.0 303.0



#70
Styrene
Concen: 19.543 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion:104 Resp: 533233
Ion Ratio Lower Upper
104 100
78 45.7 35.8 53.6
103 56.5 44.9 67.3





#71

Bromoform

Concen: 17.710 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

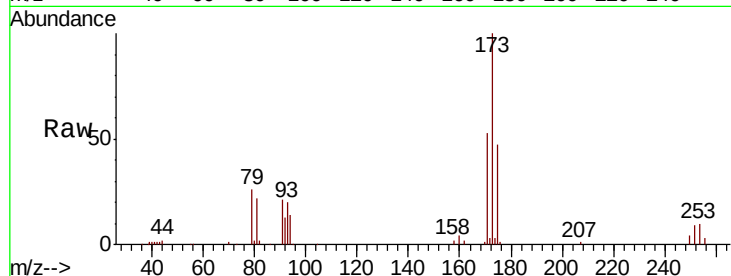
Tgt Ion:173 Resp: 106131

Ion Ratio Lower Upper

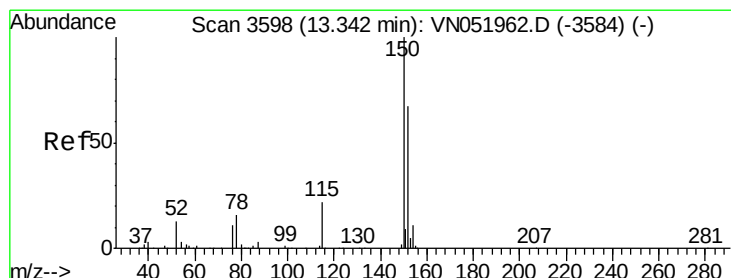
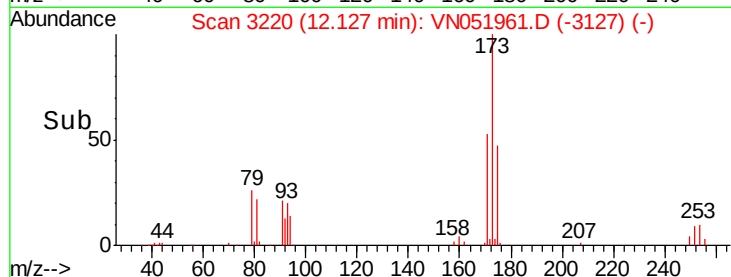
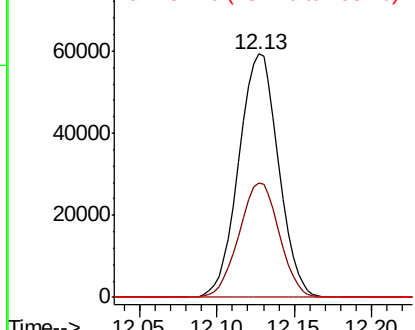
173 100

175 47.7 24.6 74.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

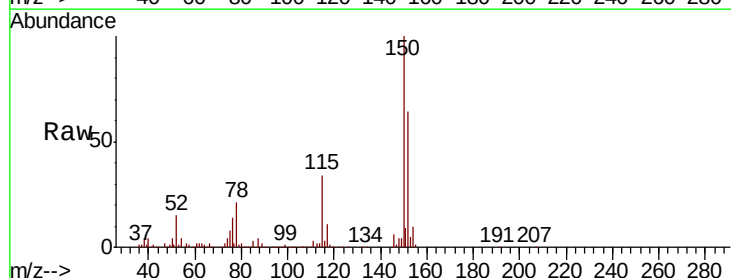
Tgt Ion:152 Resp: 697358

Ion Ratio Lower Upper

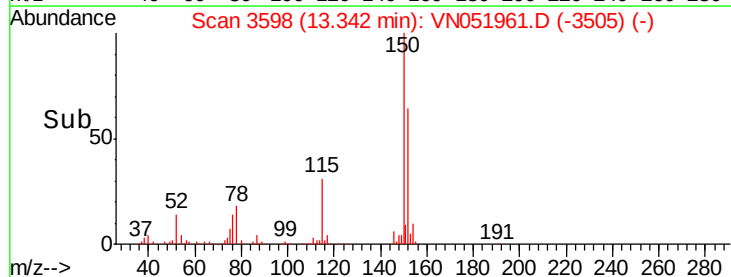
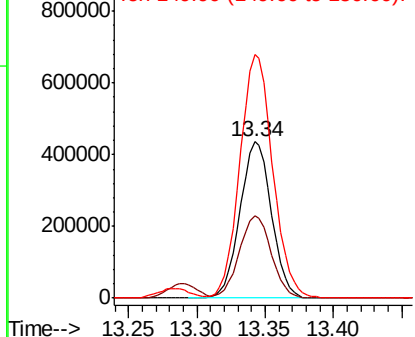
152 100

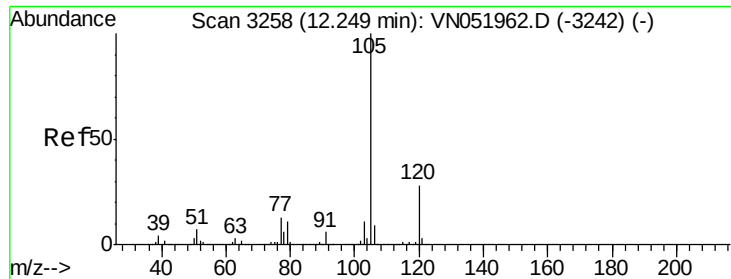
115 53.3 25.8 77.3

150 162.8 0.0 344.4



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: 20.127 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

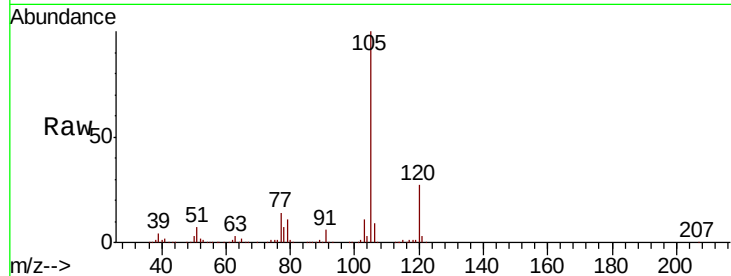
VSTDIC020

Tgt Ion: 105 Resp: 890148

Ion Ratio Lower Upper

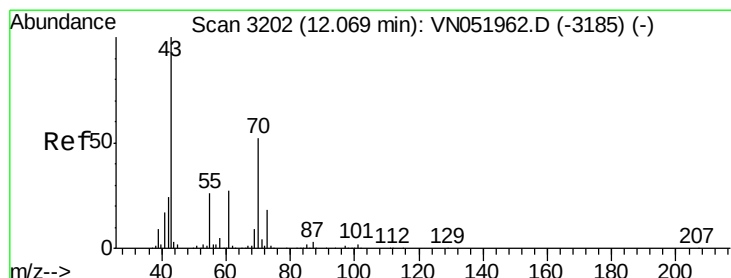
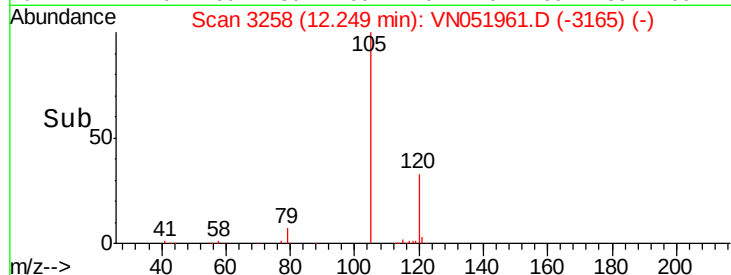
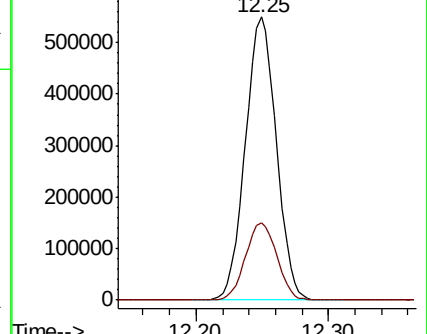
105 100

120 27.8 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.928 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Tgt Ion: 43 Resp: 173478

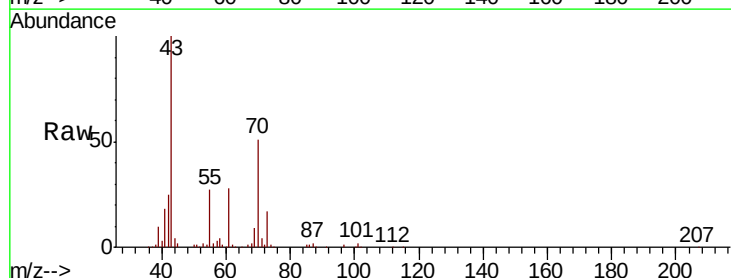
Ion Ratio Lower Upper

43 100

70 50.3 41.3 61.9

55 27.5 21.2 31.8

61 27.1 21.8 32.8

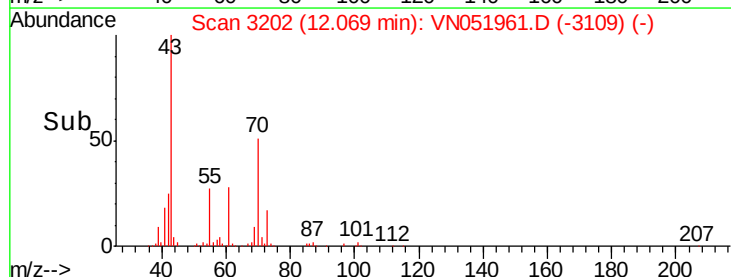
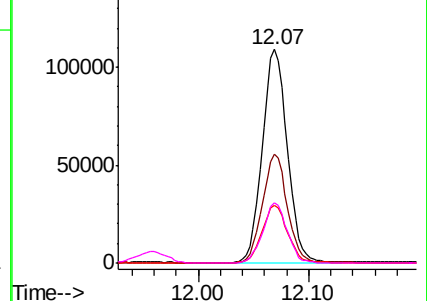


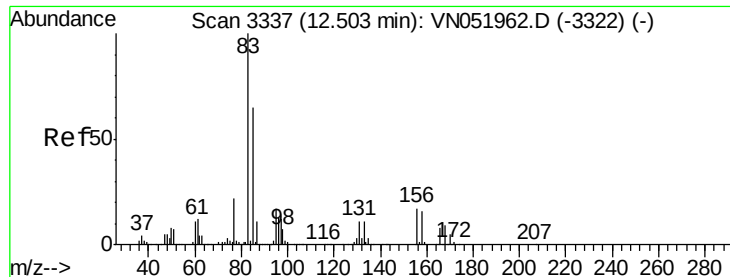
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.983 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

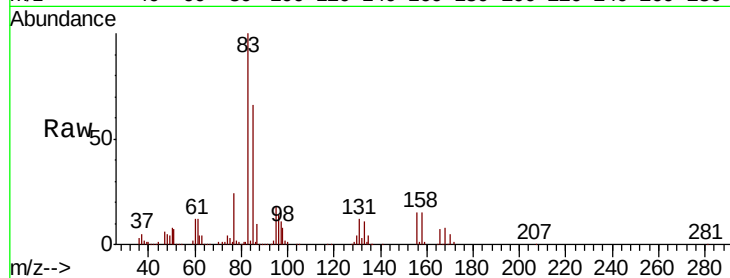
Tgt Ion: 83 Resp: 191754

Ion Ratio Lower Upper

83 100

131 11.9 6.2 18.6

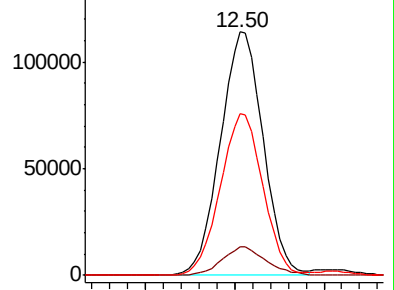
85 65.9 32.7 98.1



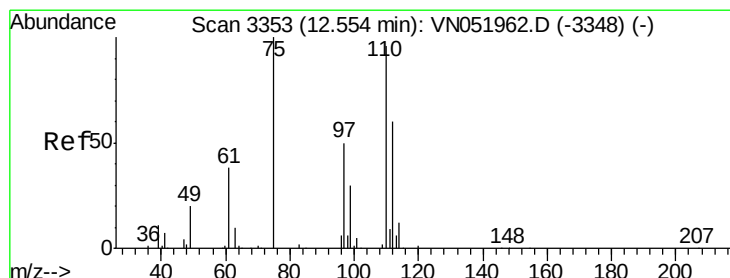
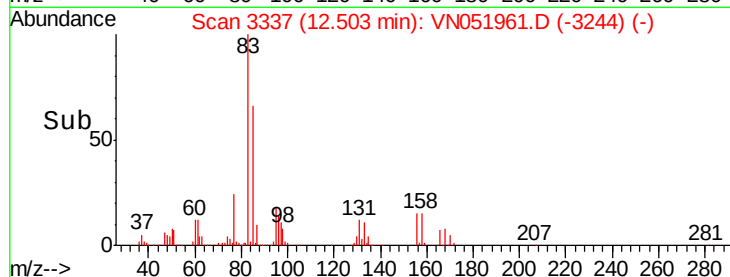
Abundance Ion 82.90 (82.60 to 83.60): VN051961.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051961.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051961.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 31.277 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051961.D

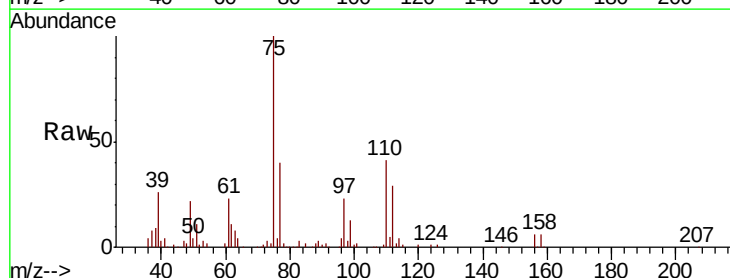
Acq: 23 Oct 2018 13:34

Tgt Ion: 75 Resp: 222125

Ion Ratio Lower Upper

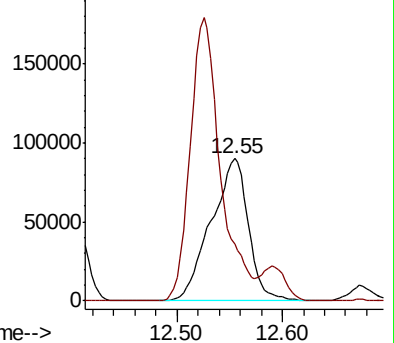
75 100

77 0.0 0.0 0.0

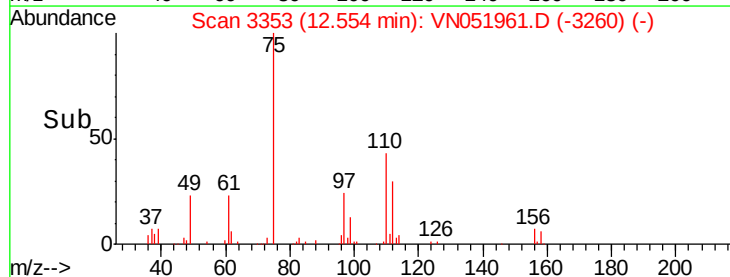


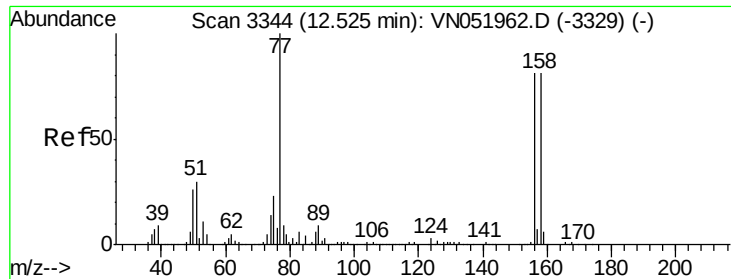
Abundance Ion 74.90 (74.60 to 75.60): VN051961.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051961.D (-3353) (-)



Time-->





#77

Bromobenzene

Concen: 19.715 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

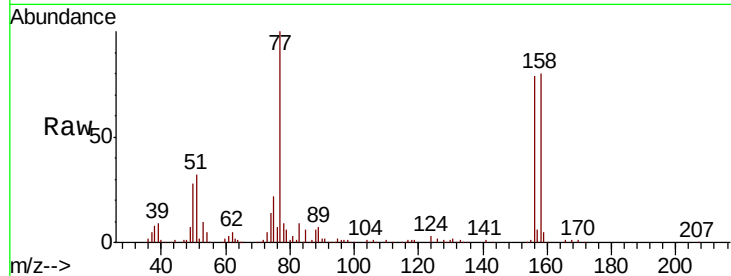
Tgt Ion:156 Resp: 240634

Ion Ratio Lower Upper

156 100

77 147.9 71.1 213.3

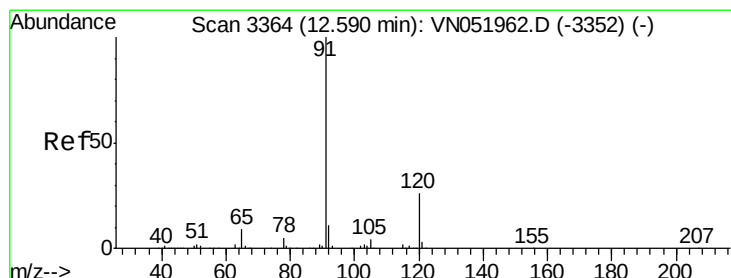
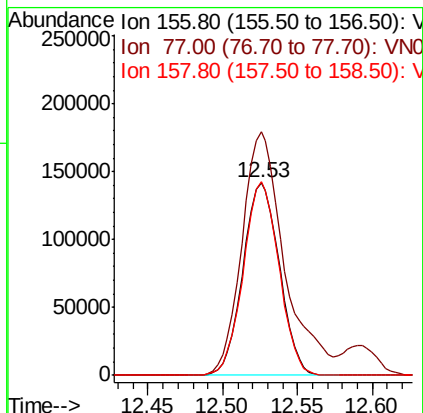
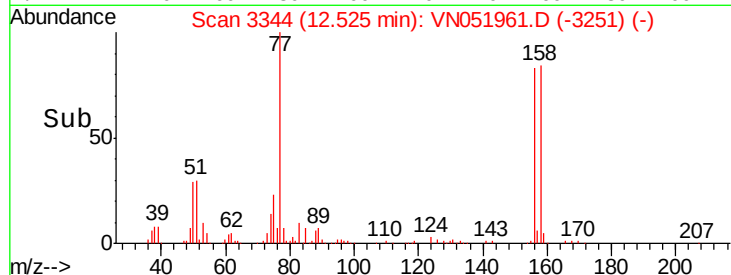
158 98.4 49.3 147.8



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: 20.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051961.D

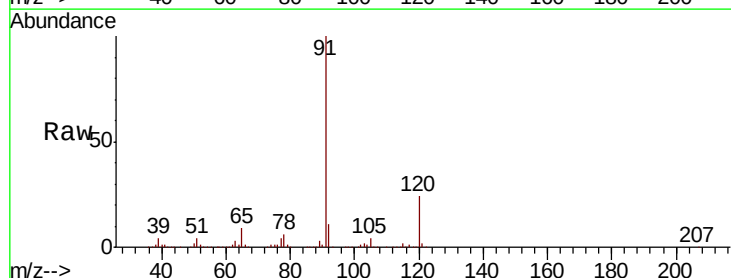
Acq: 23 Oct 2018 13:34

Tgt Ion: 91 Resp: 971622

Ion Ratio Lower Upper

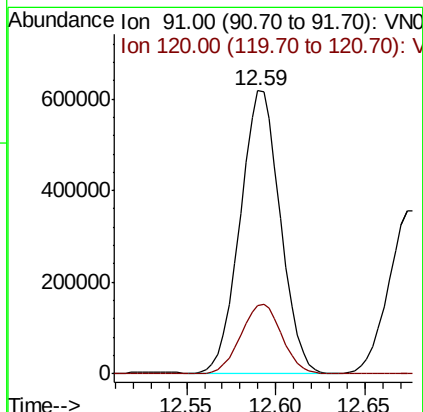
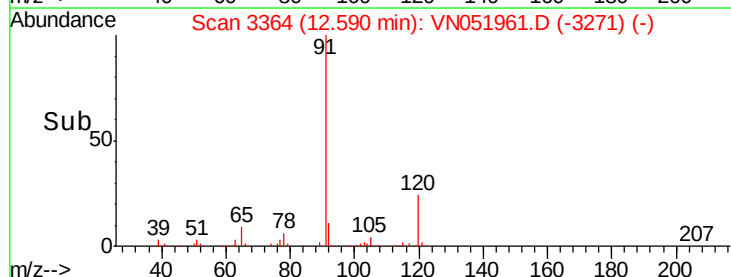
91 100

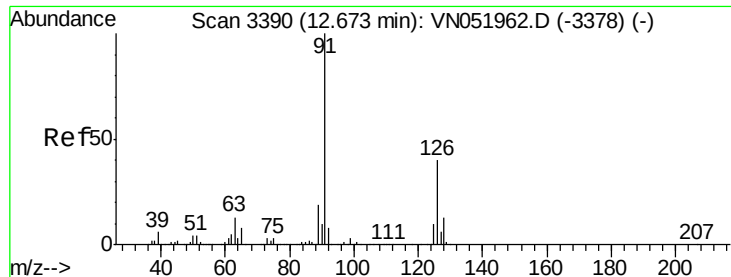
120 25.2 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.710 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051961.D

Acq: 23 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

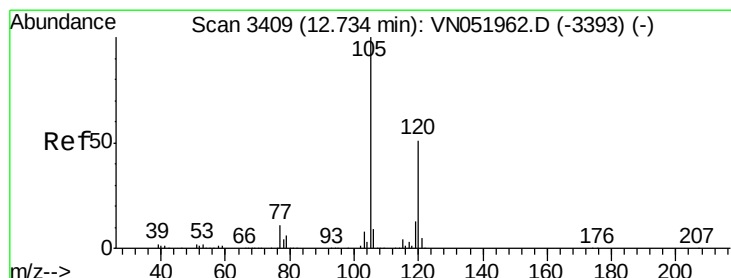
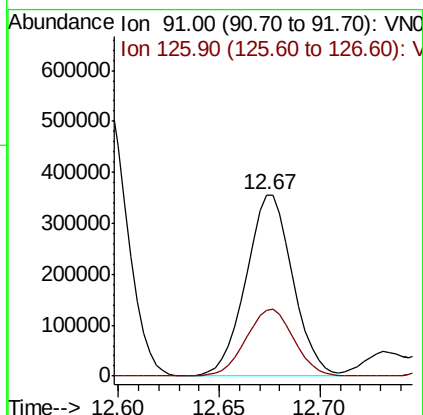
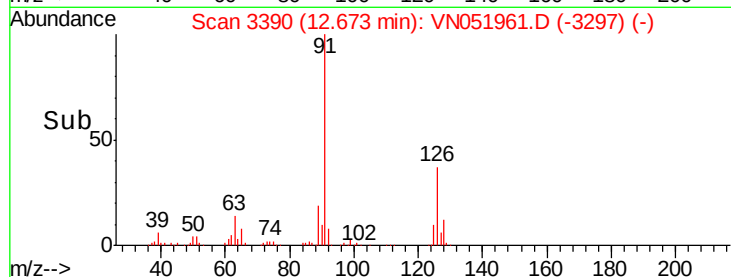
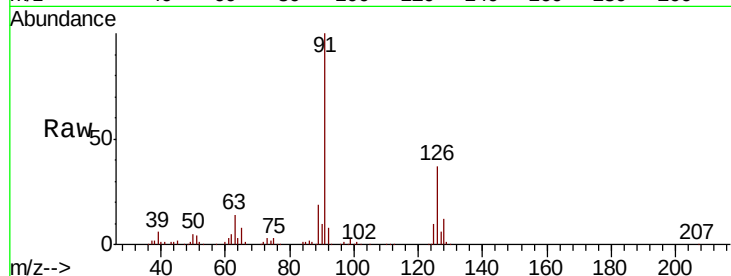
VSTDIC020

Tgt Ion: 91 Resp: 575384

Ion Ratio Lower Upper

91 100

126 38.0 20.1 60.3



#80

1,3,5-Trimethylbenzene

Concen: 20.522 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051961.D

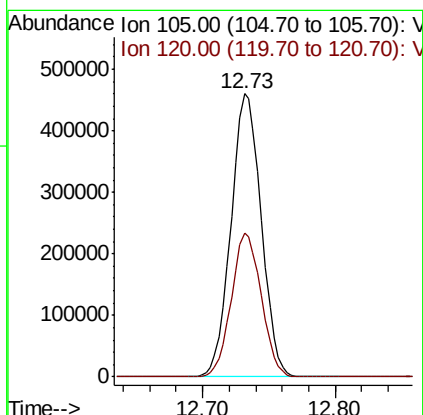
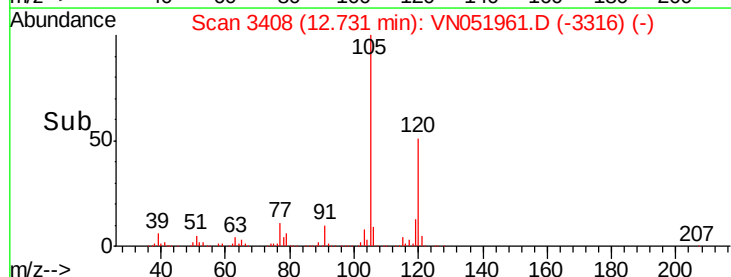
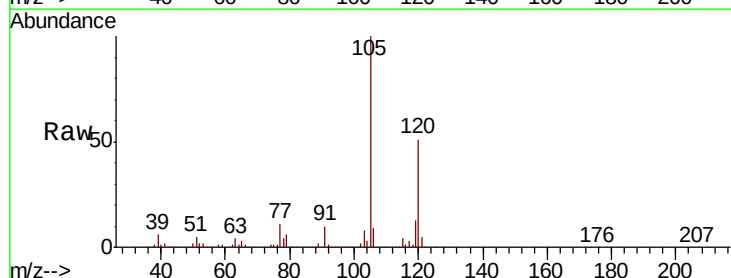
Acq: 23 Oct 2018 13:34

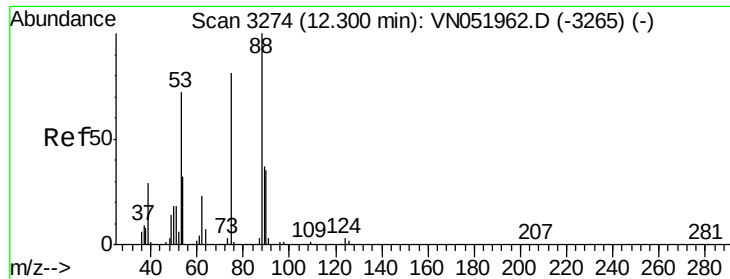
Tgt Ion: 105 Resp: 728191

Ion Ratio Lower Upper

105 100

120 50.3 25.7 77.1

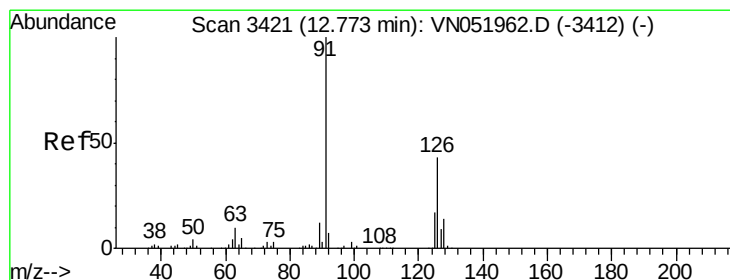
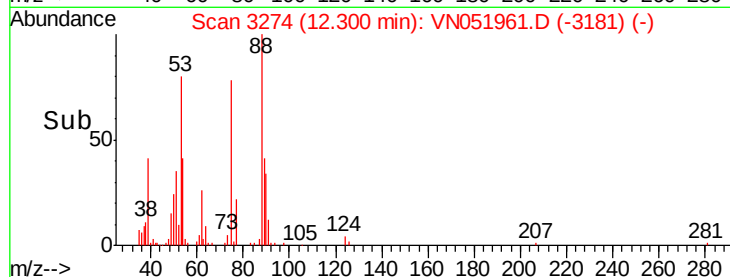
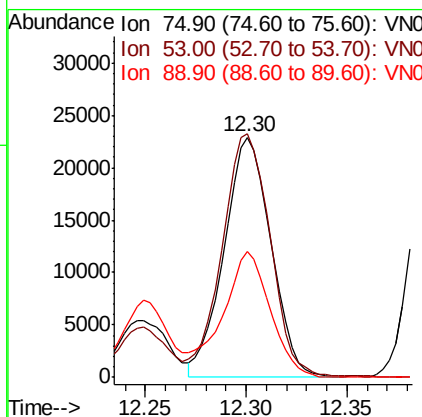
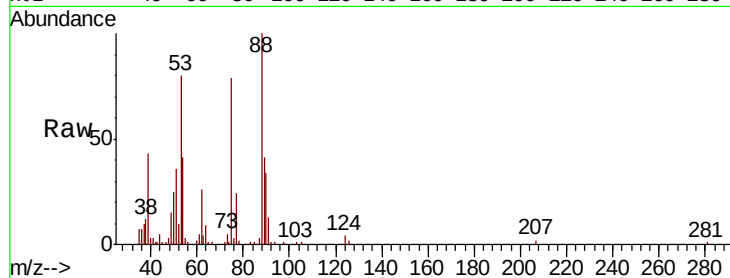




#81
trans-1,4-Dichloro-2-butene
Concen: 19.203 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

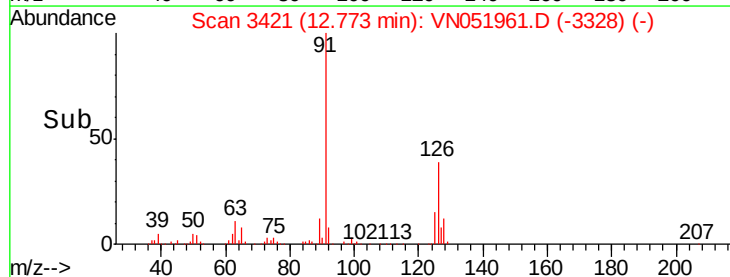
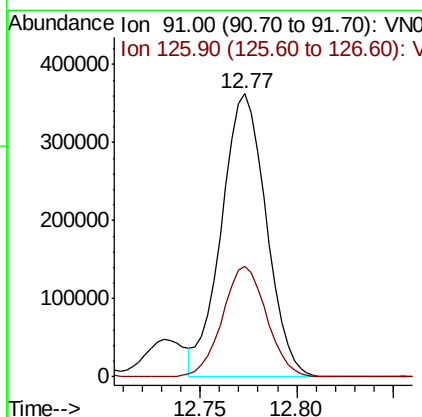
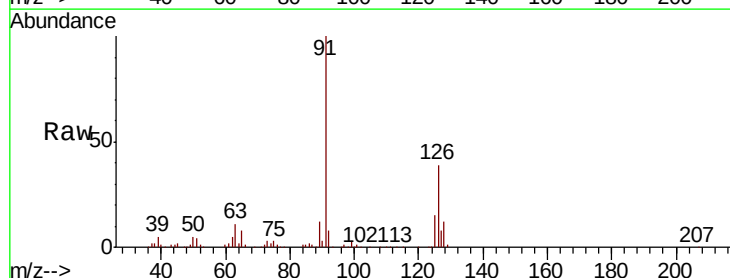
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

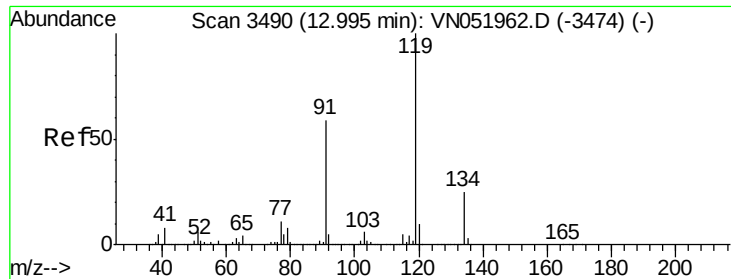
Tgt Ion: 75 Resp: 37287
Ion Ratio Lower Upper
75 100
53 103.1 73.5 110.3
89 52.9 41.6 62.4



#82
4-Chlorotoluene
Concen: 20.240 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 91 Resp: 582205
Ion Ratio Lower Upper
91 100
126 38.5 19.7 59.0

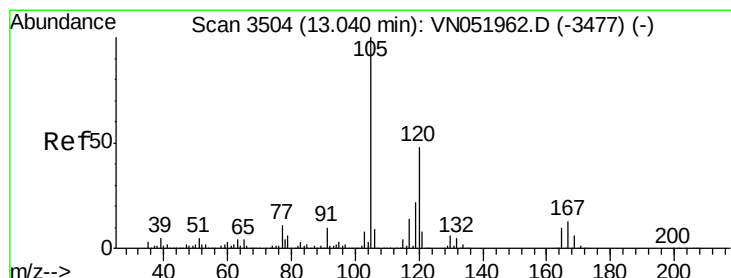
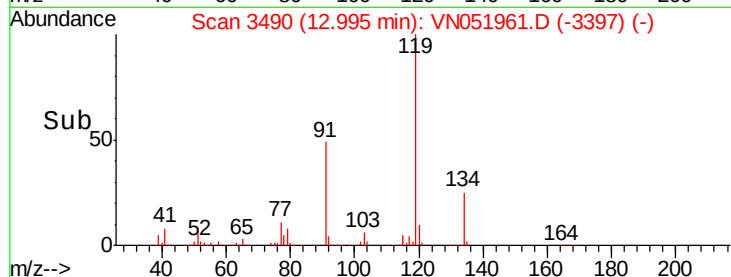
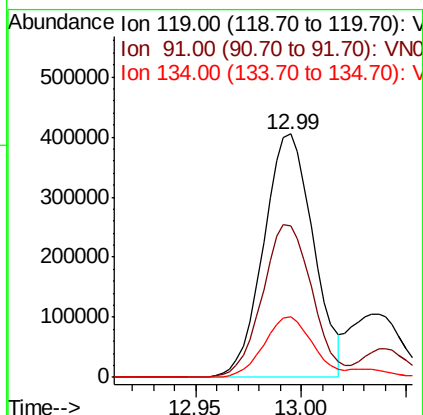
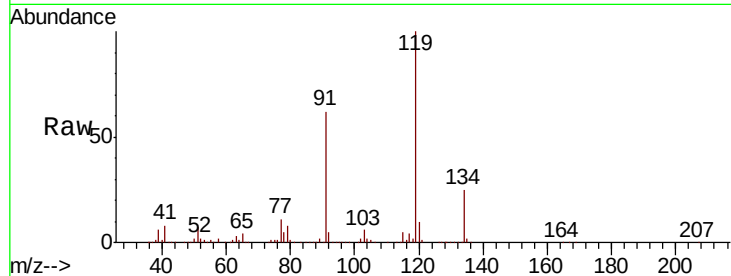




#83
 tert-Butylbenzene
 Concen: 19.859 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

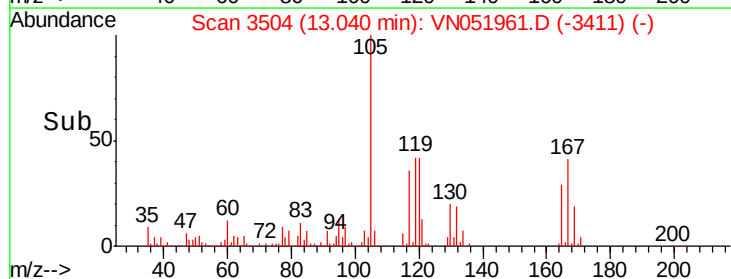
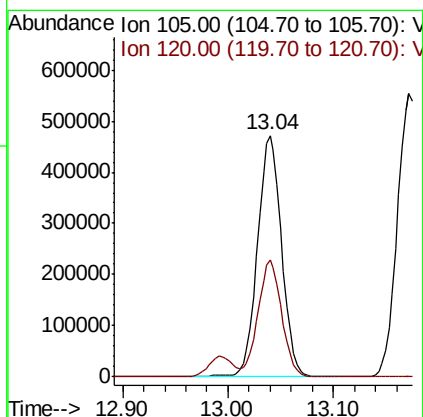
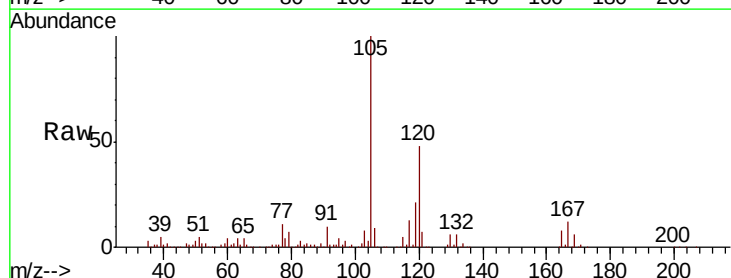
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

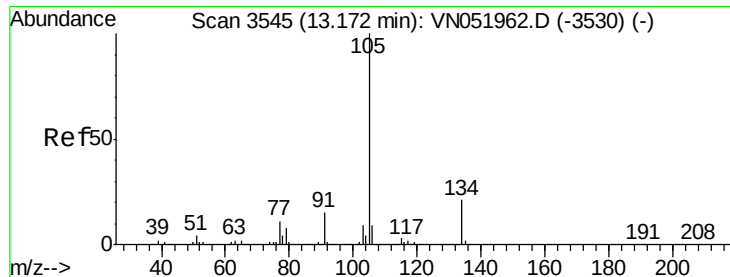
Tgt Ion:119 Resp: 666480
 Ion Ratio Lower Upper
 119 100
 91 62.5 28.8 86.4
 134 24.5 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.488 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion:105 Resp: 749893
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5

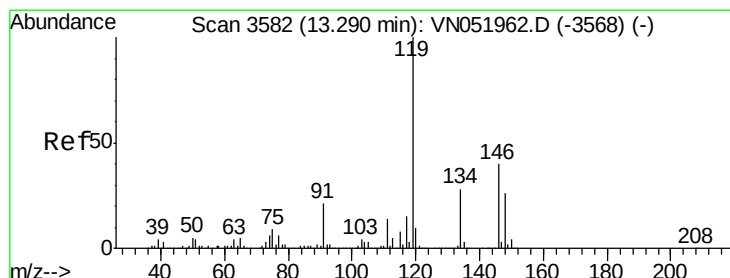
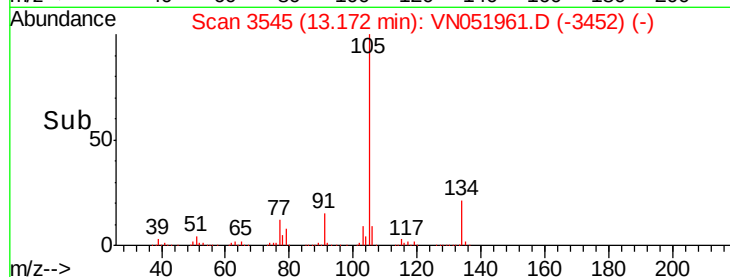
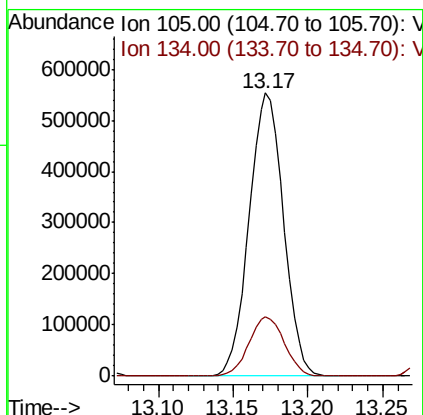
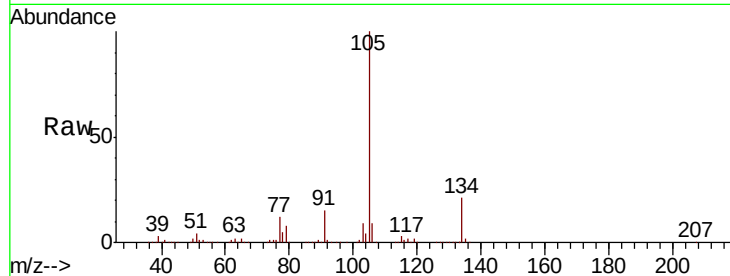




#85
 sec-Butylbenzene
 Concen: 20.158 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

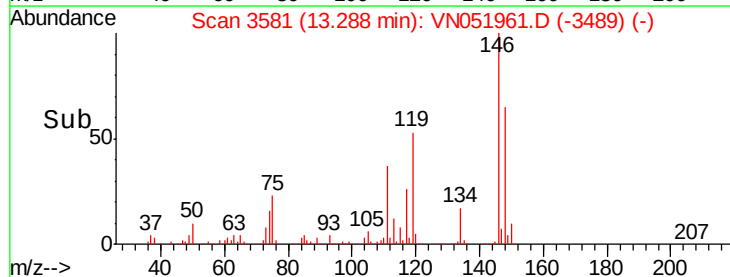
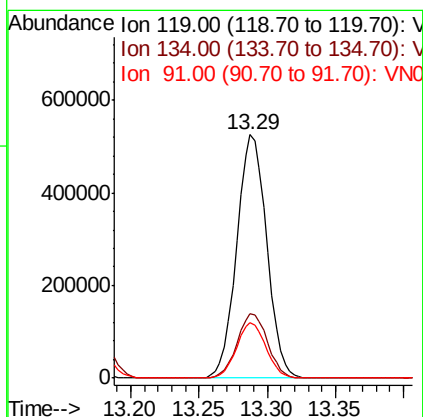
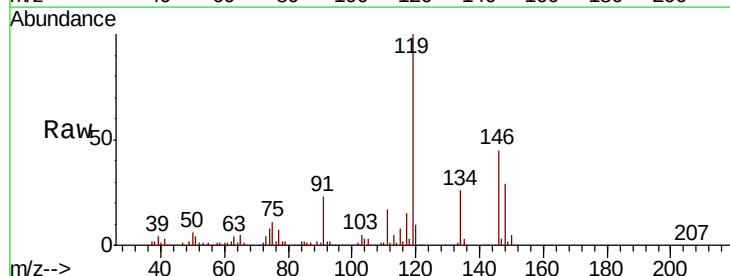
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

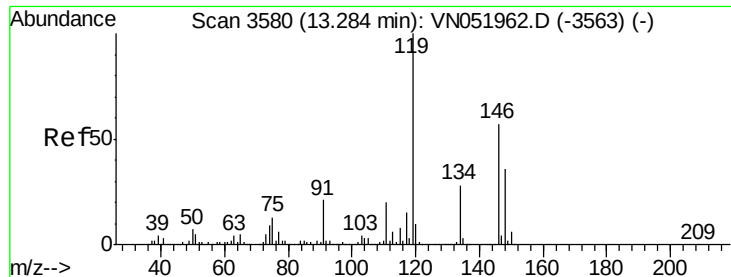
Tgt Ion:105 Resp: 883534
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 20.250 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion:119 Resp: 799098
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.9 41.7
 91 22.4 10.6 31.8

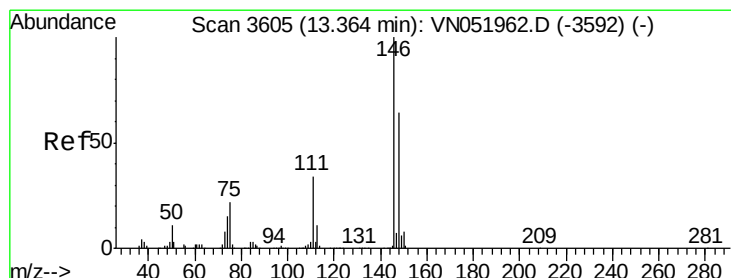
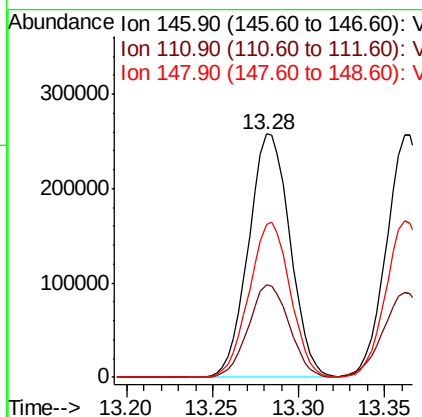
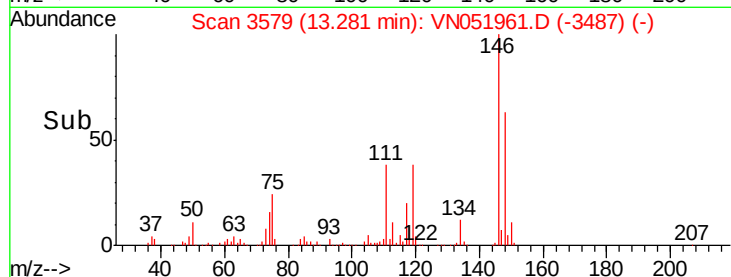
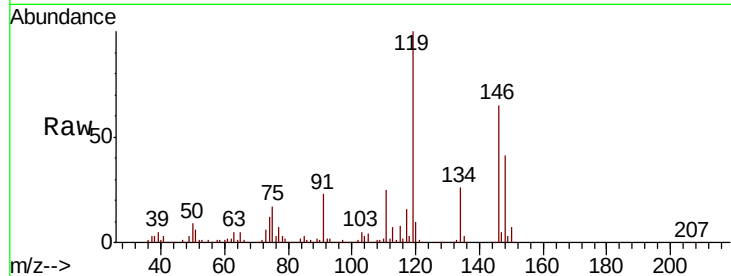




#87
 1,3-Dichlorobenzene
 Concen: 19.182 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

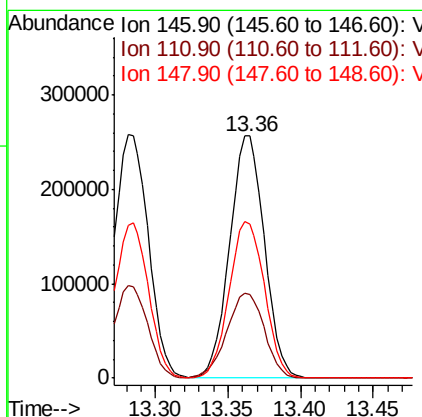
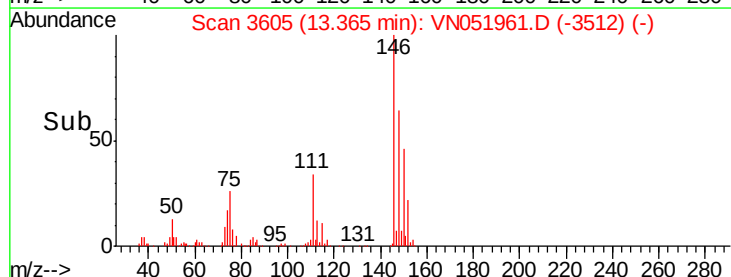
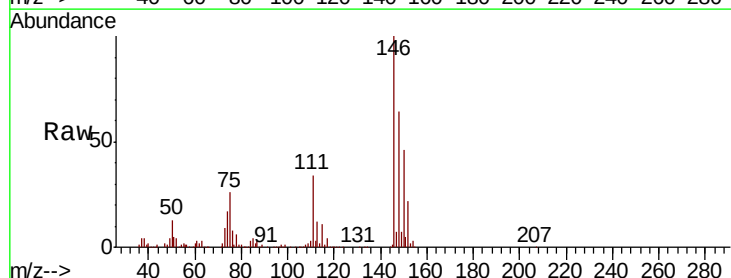
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

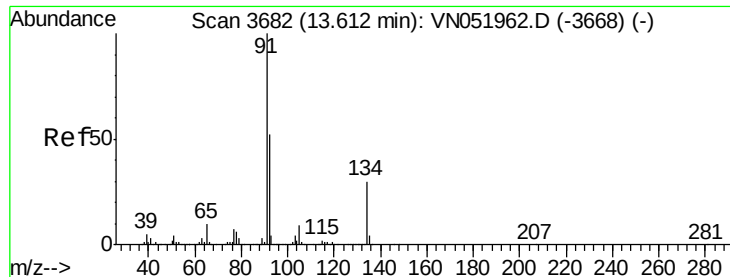
Tgt Ion:146 Resp: 431815
 Ion Ratio Lower Upper
 146 100
 111 37.4 17.6 52.8
 148 63.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.218 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion:146 Resp: 426522
 Ion Ratio Lower Upper
 146 100
 111 37.7 17.3 51.7
 148 65.7 32.1 96.3

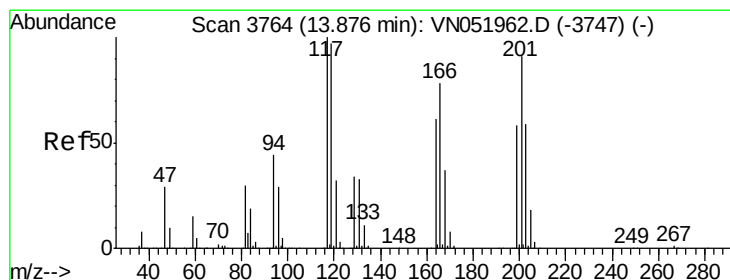
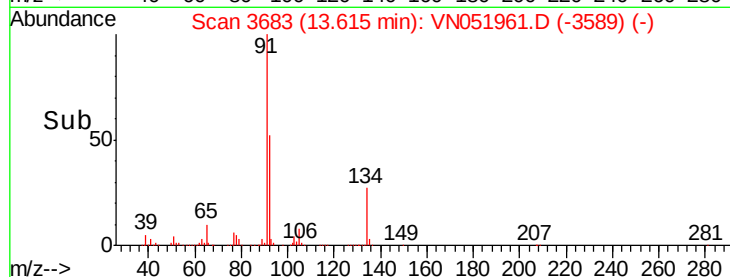
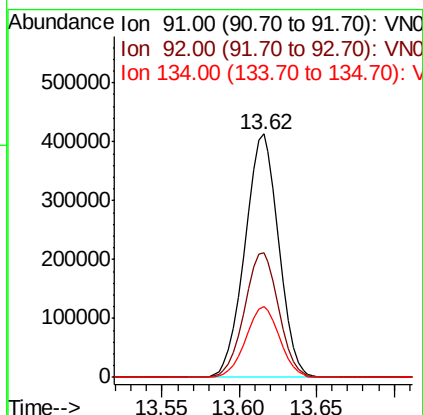
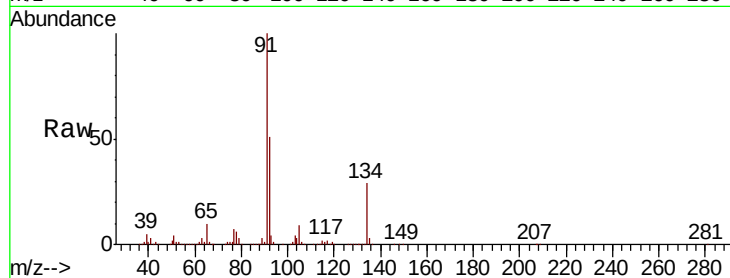




#89
n-Butylbenzene
Concen: 20.011 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

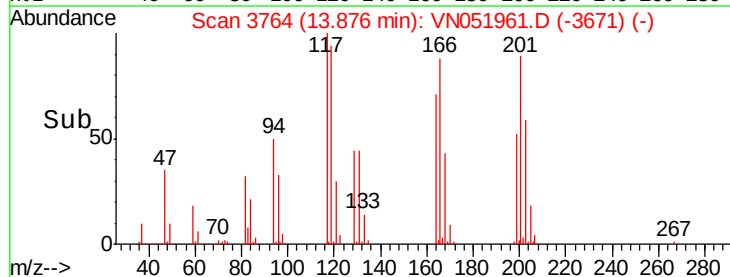
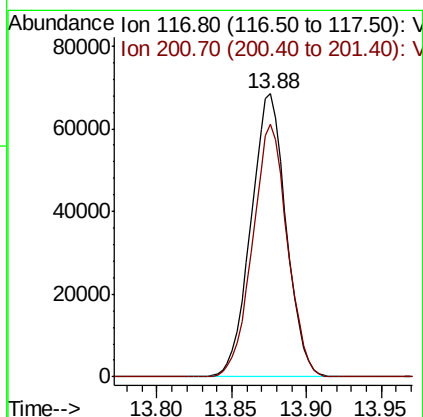
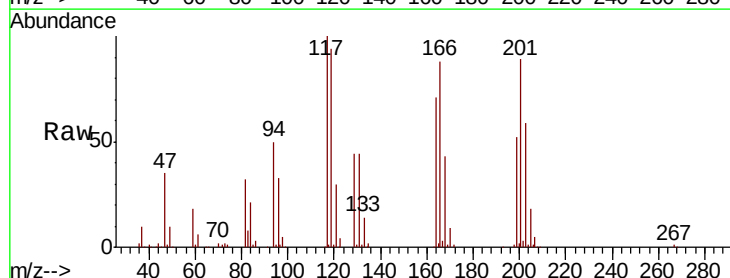
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

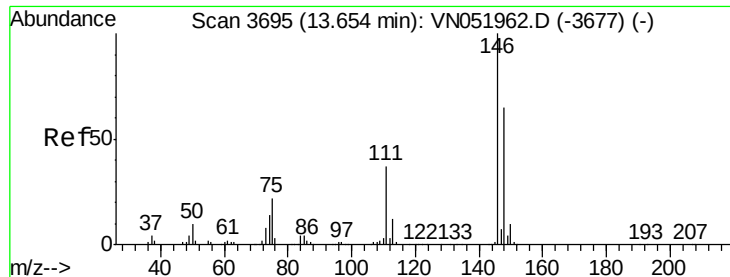
Tgt Ion: 91 Resp: 628788
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.8
134 29.1 15.2 45.6



#90
Hexachloroethane
Concen: 19.074 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion: 117 Resp: 112135
Ion Ratio Lower Upper
117 100
201 88.0 45.6 136.9

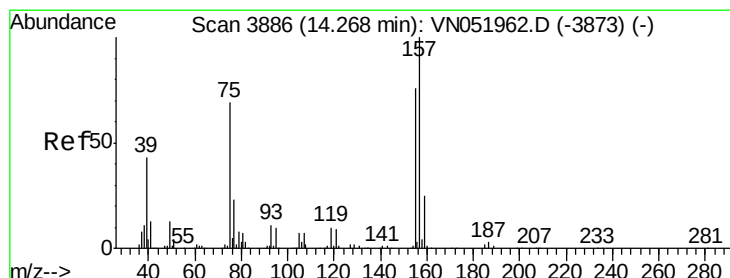
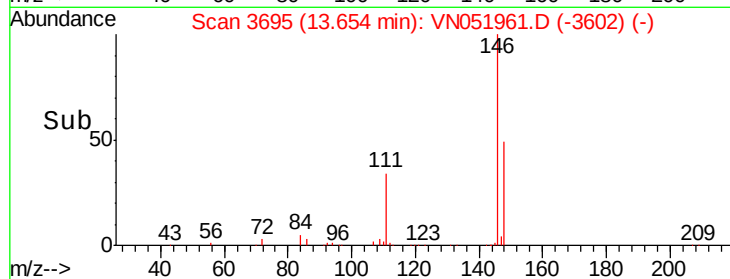
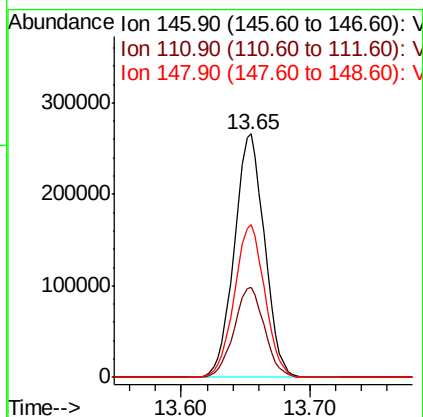
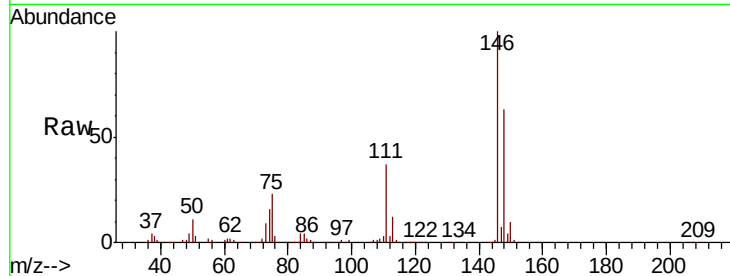




#91
 1,2-Dichlorobenzene
 Concen: 19.865 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

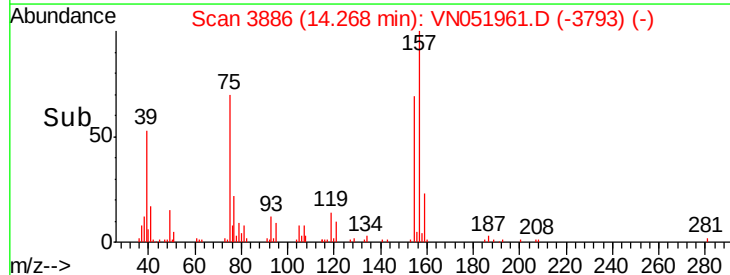
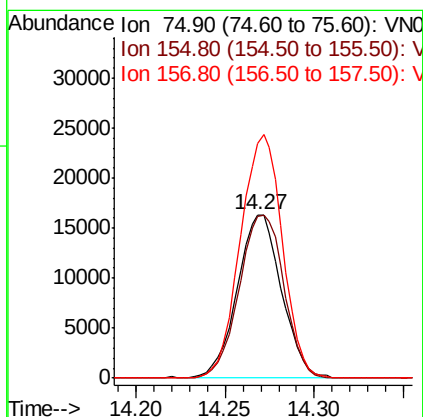
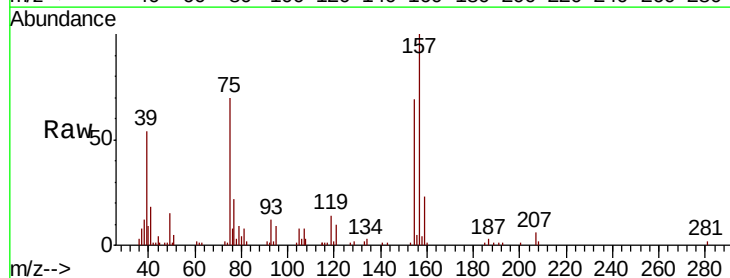
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

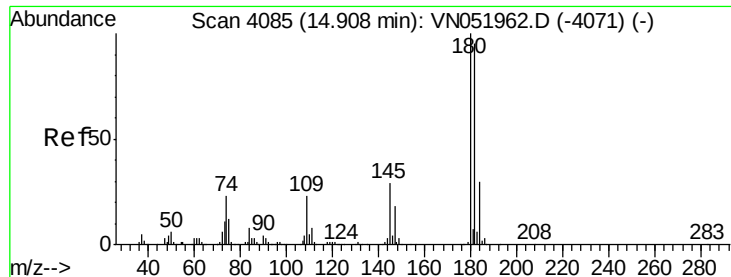
Tgt Ion: 146 Resp: 432625
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.3 54.9
 148 63.3 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.091 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion: 75 Resp: 28190
 Ion Ratio Lower Upper
 75 100
 155 101.0 56.0 167.9
 157 142.1 73.9 221.6

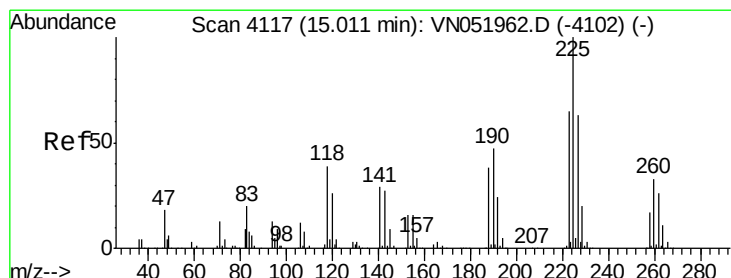
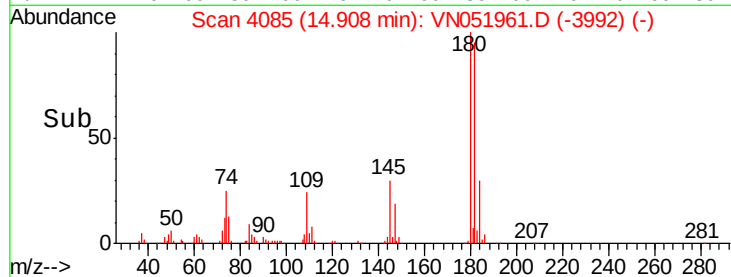
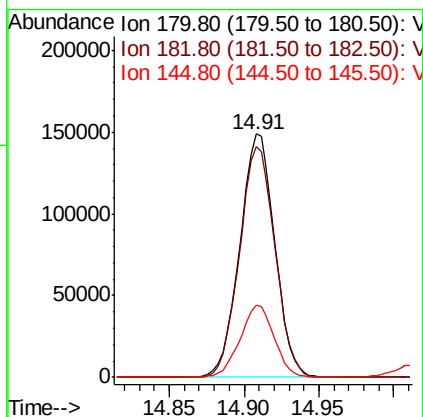
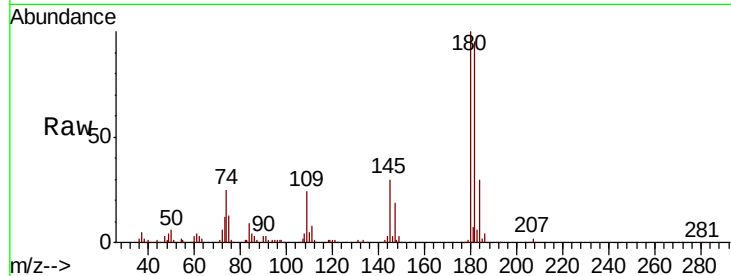




#93
 1,2,4-Trichlorobenzene
 Concen: 18.810 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

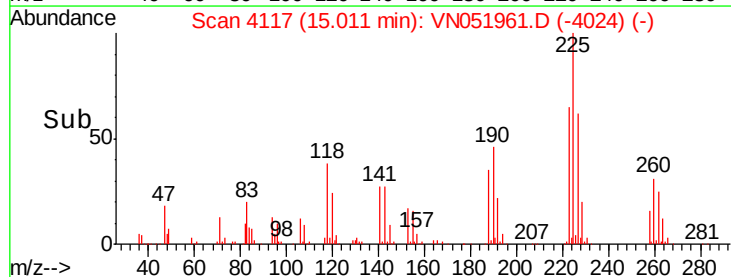
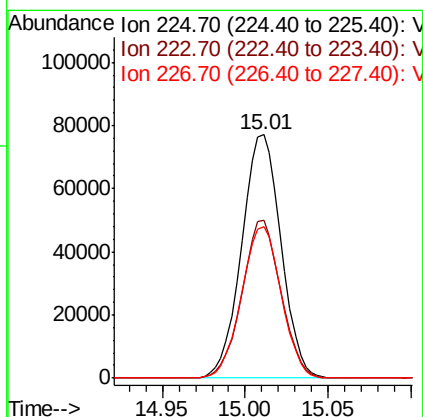
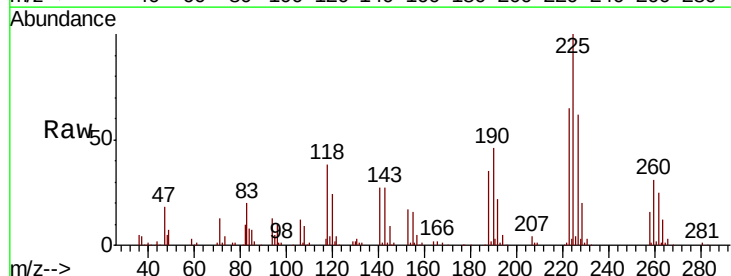
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

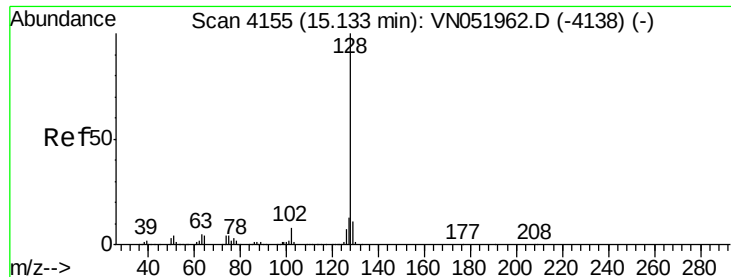
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	29.1	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 19.255 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051961.D
 Acq: 23 Oct 2018 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.8	95.4
227	62.6	31.4	94.2

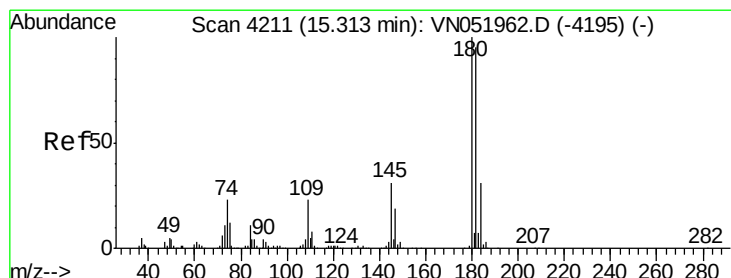
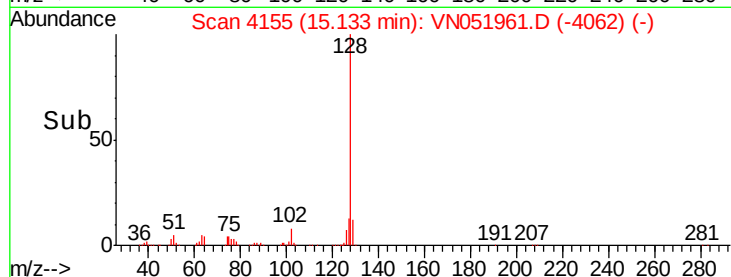
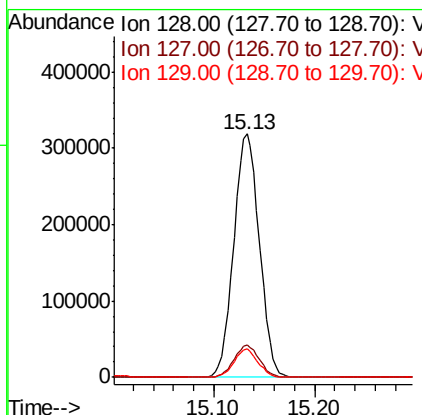
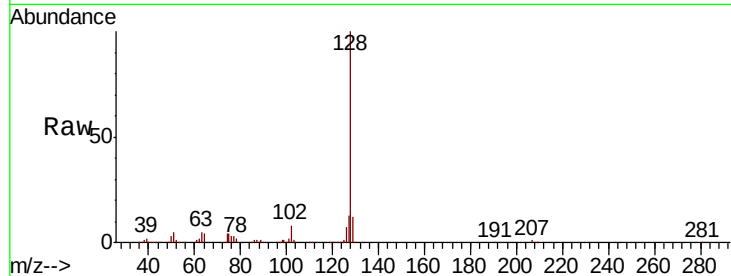




#95
Naphthalene
Concen: 20.131 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 562426
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.218 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051961.D
Acq: 23 Oct 2018 13:34

Tgt Ion:180 Resp: 236304
Ion Ratio Lower Upper
180 100
182 93.7 47.9 143.6
145 30.5 15.4 46.2

