

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050781.D
 Acq On : 21 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 22 03:31:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	905664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	834511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	412971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	144185	18.78	ug/l	0.00
Spiked Amount			Recovery	=	37.56%	
35) Dibromofluoromethane	7.59	113	138592	19.24	ug/l	0.00
Spiked Amount			Recovery	=	38.48%	
50) Toluene-d8	10.09	98	504639	18.73	ug/l	0.00
Spiked Amount			Recovery	=	37.46%	
62) 4-Bromofluorobenzene	12.40	95	161085	18.00	ug/l	0.00
Spiked Amount			Recovery	=	36.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	193526	22.671	ug/l	100
3) Chloromethane	2.06	50	213199	20.249	ug/l	100
4) Vinyl Chloride	2.18	62	205776	20.632	ug/l	99
5) Bromomethane	2.57	94	118427	18.448	ug/l	97
6) Chloroethane	2.70	64	117633	20.413	ug/l	100
7) Trichlorofluoromethane	3.01	101	262967	20.590	ug/l	98
8) Diethyl Ether	3.41	74	87826	20.224	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162631	20.382	ug/l	99
10) Methyl Iodide	3.95	142	110988	17.523	ug/l	99
11) Tert butyl alcohol	4.80	59	47545	97.233	ug/l	98
12) 1,1-Dichloroethene	3.73	96	145206	20.269	ug/l	98
13) Acrolein	3.61	56	26606	99.614	ug/l	97
14) Allyl chloride	4.32	41	218354	19.560	ug/l	99
15) Acrylonitrile	4.99	53	246418	99.160	ug/l	99
16) Acetone	3.82	43	191772	90.575	ug/l	97
17) Carbon Disulfide	4.05	76	464628	19.346	ug/l	100
18) Methyl Acetate	4.33	43	137181	18.788	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	362427	20.112	ug/l	99
20) Methylene Chloride	4.55	84	168897	19.515	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	154063	19.955	ug/l	98
22) Diisopropyl ether	5.95	45	466714	20.979	ug/l	96
23) Vinyl Acetate	5.90	43	1455526	101.592	ug/l	100
24) 1,1-Dichloroethane	5.85	63	287297	20.115	ug/l	99
25) 2-Butanone	6.84	43	280526	90.652	ug/l	98
26) 2,2-Dichloropropane	6.82	77	229573	20.004	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	169077	20.240	ug/l	99
28) Bromochloromethane	7.20	49	120657	19.881	ug/l	100
29) Tetrahydrofuran	7.22	42	178119	100.392	ug/l	100
30) Chloroform	7.37	83	287473	20.326	ug/l	99
31) Cyclohexane	7.66	56	248837	17.539	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	242153	19.933	ug/l	99
36) 1,1-Dichloropropene	7.79	75	215350	20.150	ug/l	99
37) Ethyl Acetate	6.93	43	123650	21.025	ug/l	100
38) Carbon Tetrachloride	7.78	117	219172	20.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224505	19.417	ug/l	94
40) Benzene	8.04	78	657273	20.395	ug/l	97
41) Methacrylonitrile	7.21	41	177075	56.960	ug/l #	18
42) 1,2-Dichloroethane	8.13	62	199771	20.734	ug/l	100
43) Isopropyl Acetate	8.17	43	210861	19.976	ug/l	100
44) Trichloroethene	8.84	130	170841	20.100	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172757	20.396	ug/l	99
46) Dibromomethane	9.21	93	101944	20.484	ug/l	99
47) Bromodichloromethane	9.40	83	212964	20.431	ug/l	97
48) Methyl methacrylate	9.20	41	109457	20.347	ug/l	97
49) 1,4-Dioxane	9.20	88	29249	398.847	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	617206	97.985	ug/l	99
52) Toluene	10.16	92	400573	20.982	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204989	19.757	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	246095	20.713	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144980	20.461	ug/l	99
56) Ethyl methacrylate	10.43	69	160362	19.955	ug/l	98
57) 1,3-Dichloropropane	10.71	76	238971	20.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350918	102.266	ug/l	99
59) 2-Hexanone	10.75	43	396789	94.623	ug/l	98
60) Dibromochloromethane	10.90	129	161519	20.359	ug/l	100
61) 1,2-Dibromoethane	11.01	107	139345	20.337	ug/l	99
64) Tetrachloroethene	10.63	164	159179	20.082	ug/l	99
65) Chlorobenzene	11.43	112	433168	19.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159517	19.988	ug/l	99
67) Ethyl Benzene	11.51	91	704076	19.855	ug/l	99
68) m/p-Xylenes	11.62	106	565143	41.987	ug/l	100
69) o-Xylene	11.95	106	263386	20.354	ug/l	98
70) Styrene	11.96	104	424959	21.007	ug/l	99
71) Bromoform	12.13	173	110286	20.095	ug/l #	100
73) Isopropylbenzene	12.25	105	699841	20.466	ug/l	100
74) N-amyl acetate	12.07	43	168666	19.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	179382	19.469	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	206030	29.425	ug/l #	100
77) Bromobenzene	12.53	156	181488	19.529	ug/l	99
78) n-propylbenzene	12.59	91	790238	20.687	ug/l	100
79) 2-Chlorotoluene	12.68	91	488827	20.544	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	584460	21.182	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41610	19.447	ug/l	96
82) 4-Chlorotoluene	12.77	91	485582	20.672	ug/l	99
83) tert-Butylbenzene	12.99	119	485545	20.319	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	594277	21.412	ug/l	100
85) sec-Butylbenzene	13.17	105	652929	20.852	ug/l	100
86) p-Isopropyltoluene	13.29	119	559941	20.987	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	314883	19.966	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	303493	19.553	ug/l	99
89) n-Butylbenzene	13.62	91	419362	19.652	ug/l	98
90) Hexachloroethane	13.87	117	103507	18.744	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	303375	19.939	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23553	19.179	ug/l	96

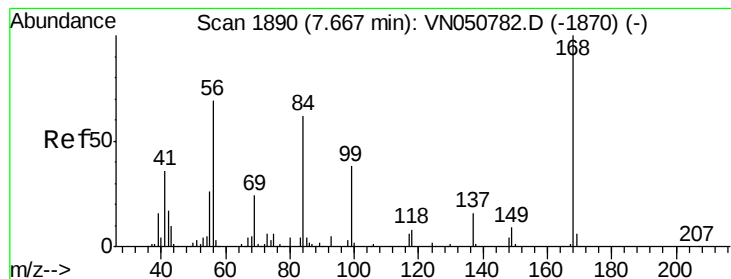
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120316	18.166	ug/l	98
94) Hexachlorobutadiene	15.01	225	95111	19.171	ug/l	97
95) Naphthalene	15.13	128	221520	16.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121417	18.827	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

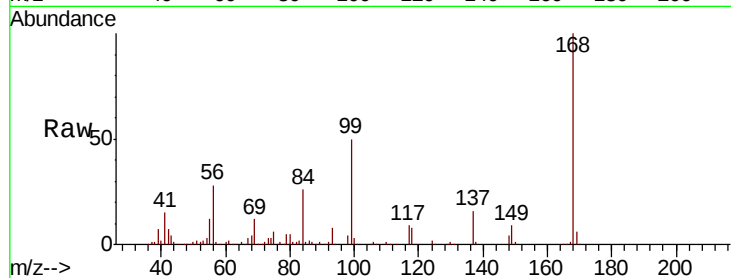
VSTDIC020

Tot Ion:168 Resp: 637857

Ion Ratio Lower Upper

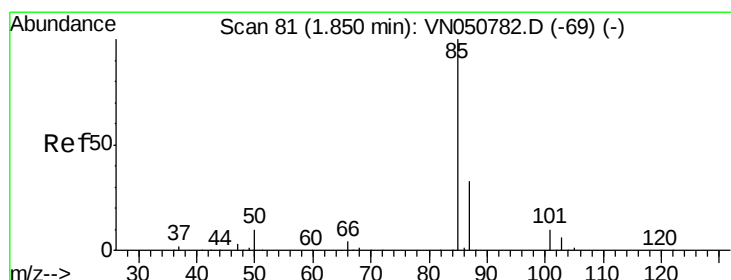
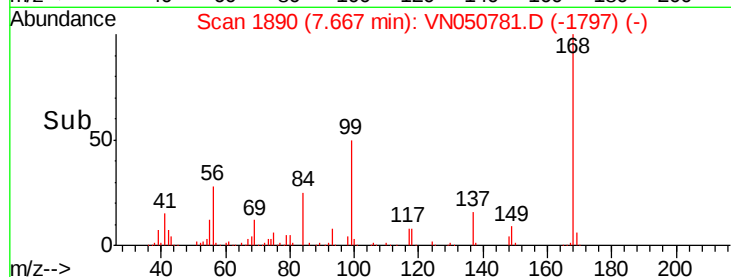
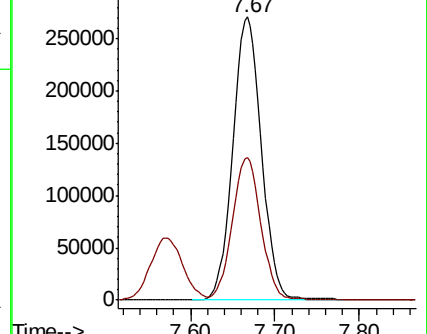
168 100

99 50.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.671 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050781.D

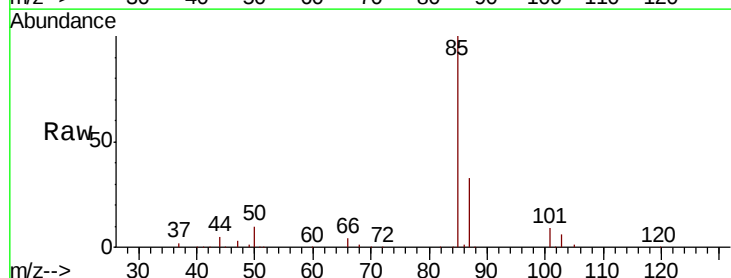
Acq: 21 Aug 2018 10:45

Tgt Ion: 85 Resp: 193526

Ion Ratio Lower Upper

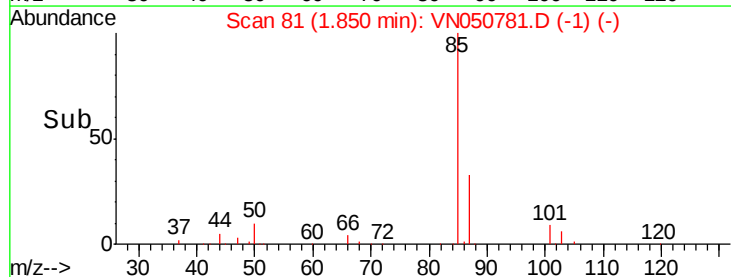
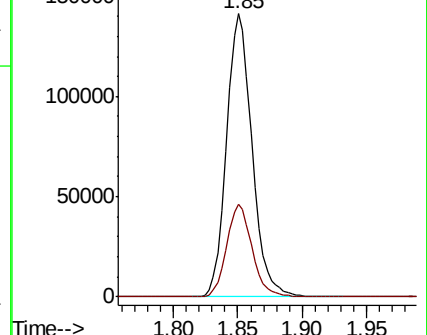
85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.249 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

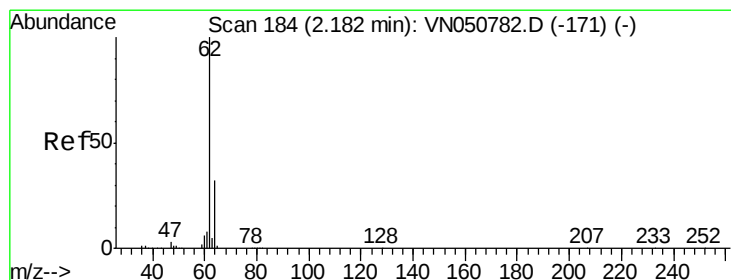
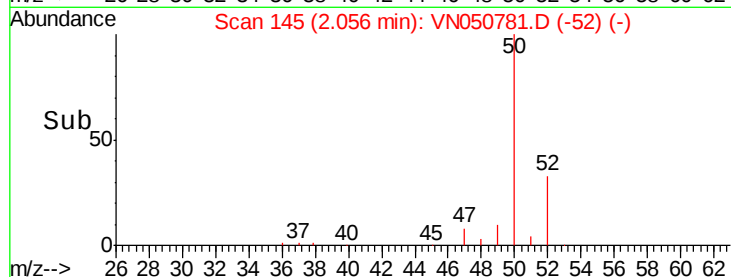
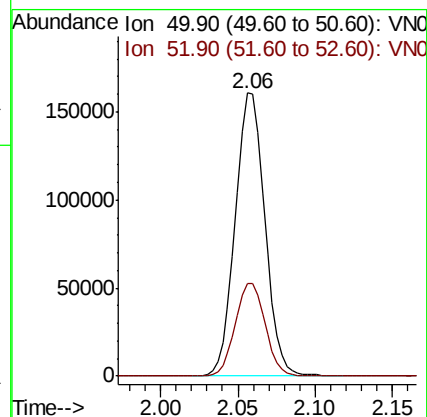
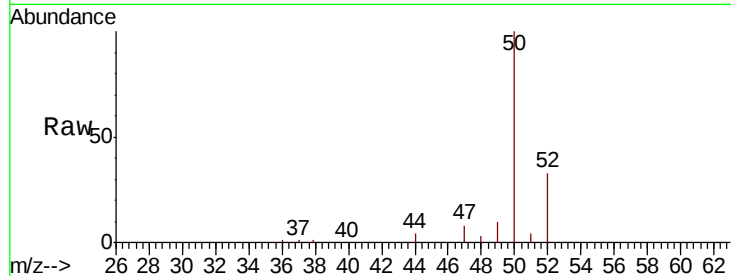
VSTDIC020

Tot Ion: 50 Resp: 213199

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



#4

Vinyl Chloride

Concen: 20.632 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050781.D

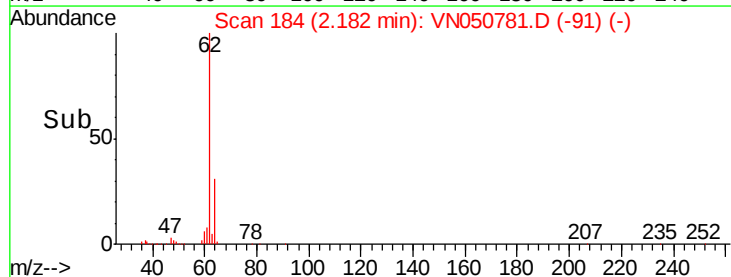
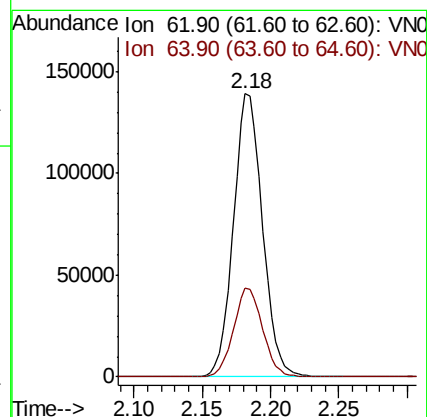
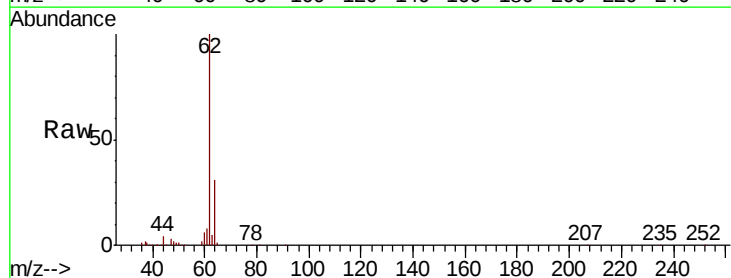
Acq: 21 Aug 2018 10:45

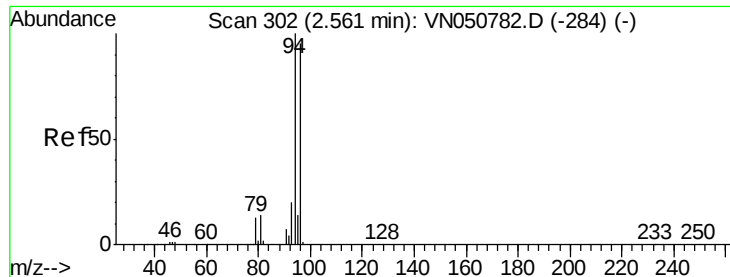
Tgt Ion: 62 Resp: 205776

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 18.448 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

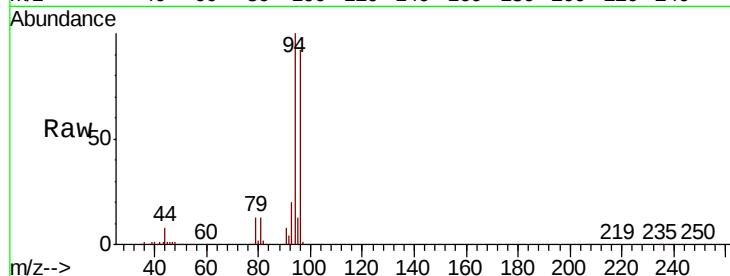
VSTDIC020

Tot Ion: 94 Resp: 118427

Ion Ratio Lower Upper

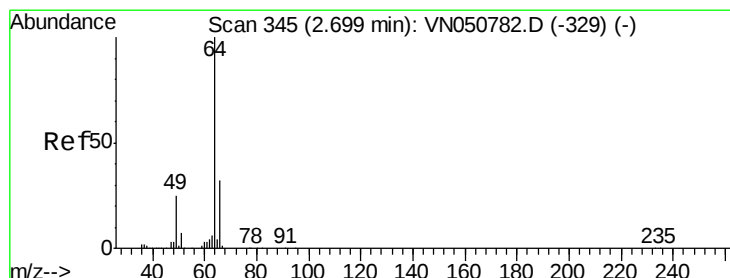
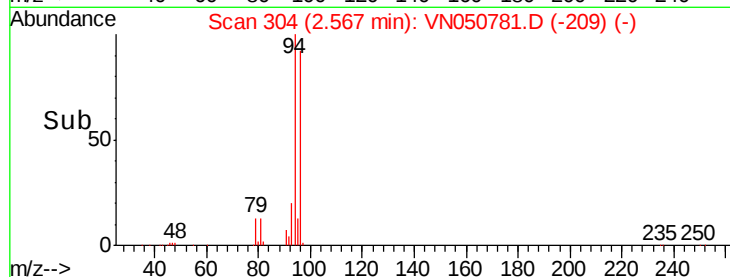
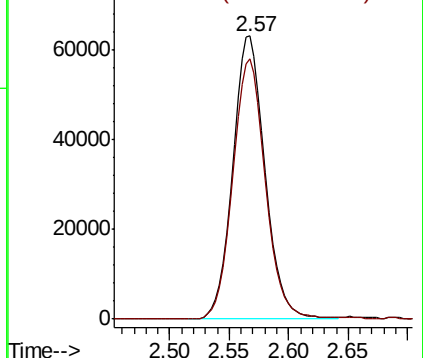
94 100

96 91.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.413 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050781.D

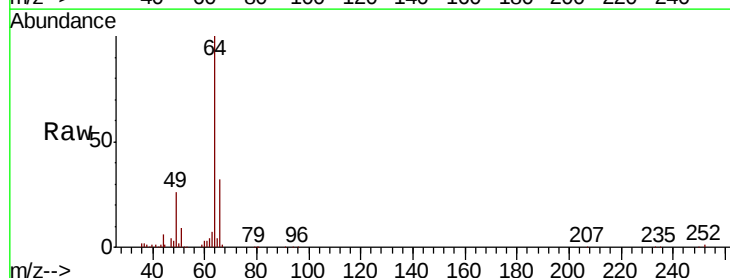
Acq: 21 Aug 2018 10:45

Tgt Ion: 64 Resp: 117633

Ion Ratio Lower Upper

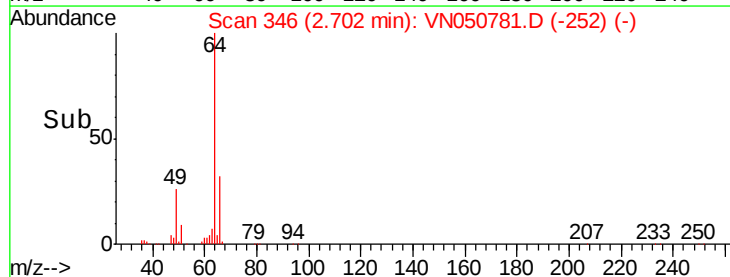
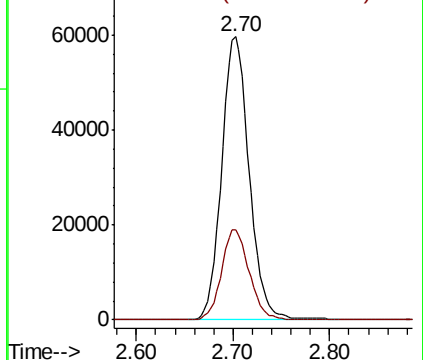
64 100

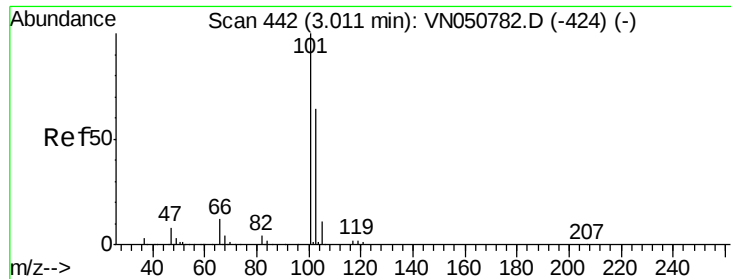
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



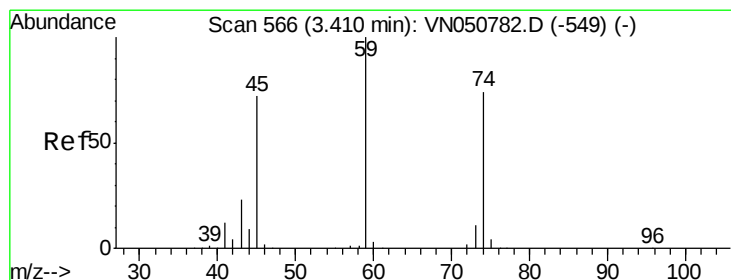
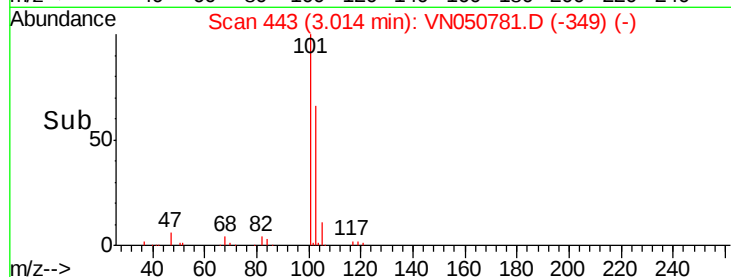
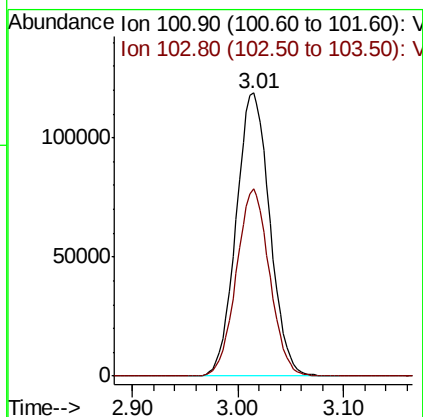
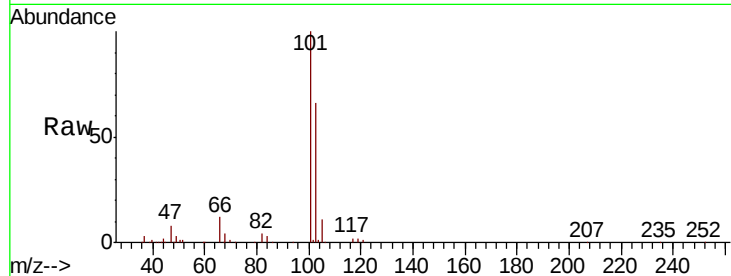


#7

Trichlorofluoromethane
 Concen: 20.590 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
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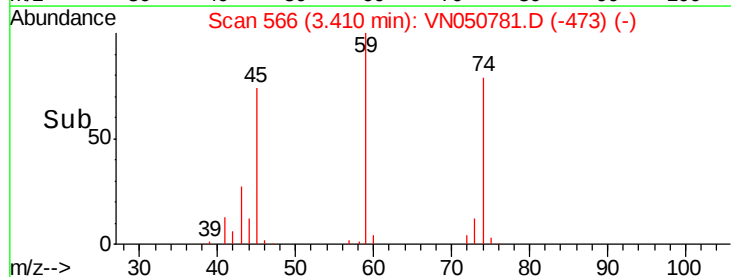
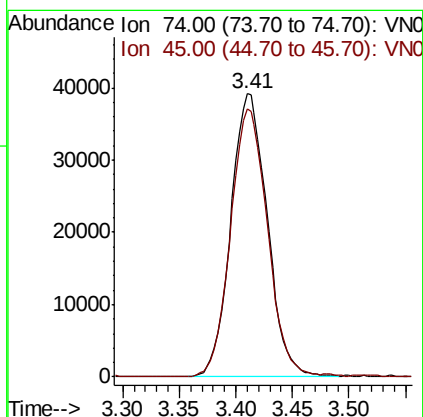
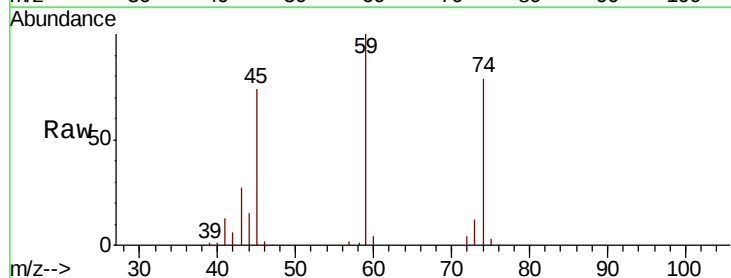
Tot Ion:101 Resp: 262967
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.6 77.4

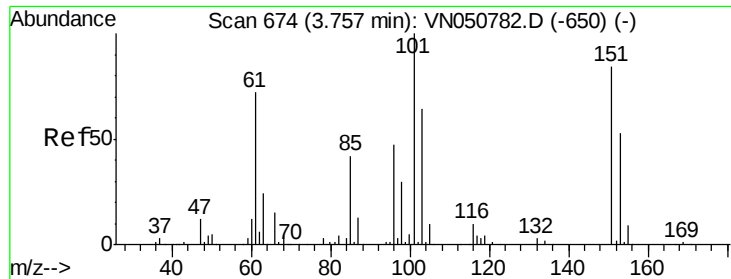


#8

Diethyl Ether
 Concen: 20.224 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 74 Resp: 87826
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.382 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

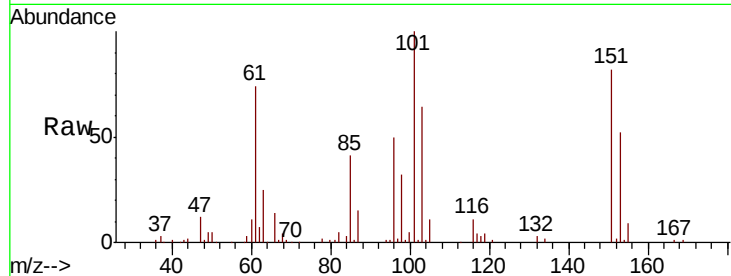
Tot Ion:101 Resp: 162631

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

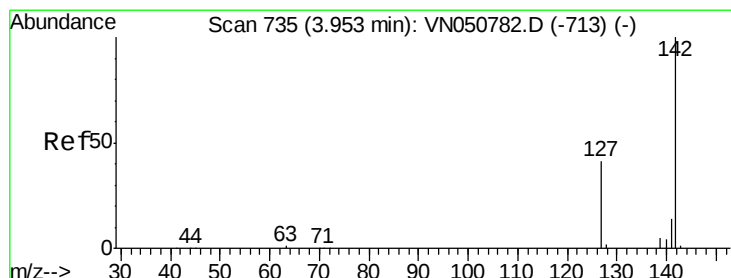
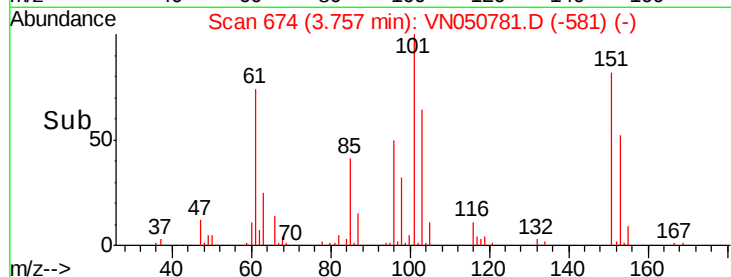
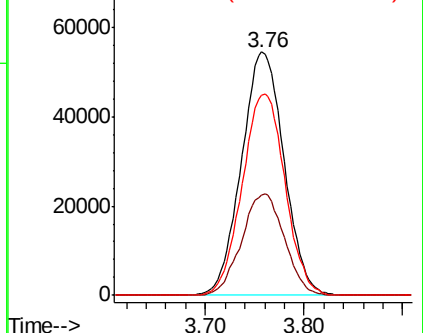
151 83.1 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.523 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

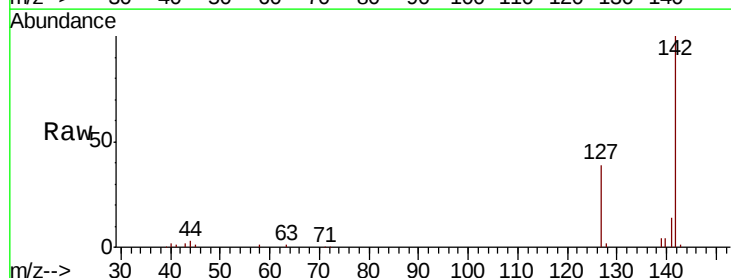
Tgt Ion:142 Resp: 110988

Ion Ratio Lower Upper

142 100

127 40.1 31.7 47.5

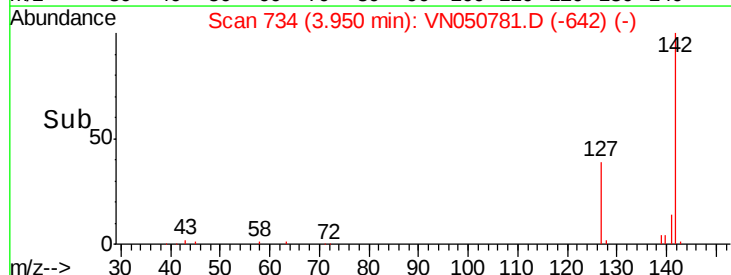
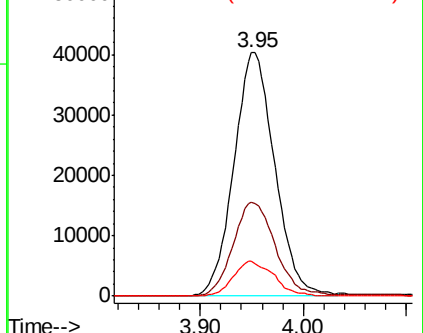
141 14.2 11.4 17.0

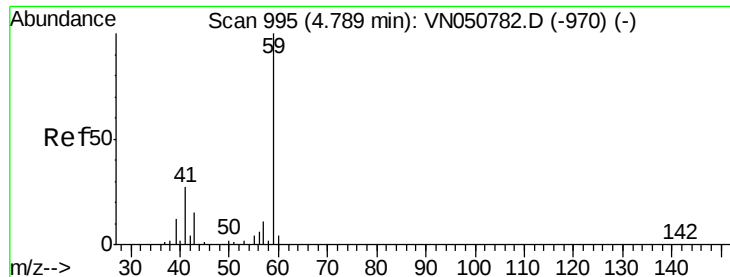


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

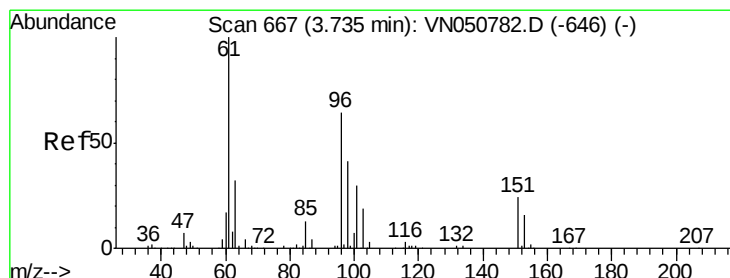
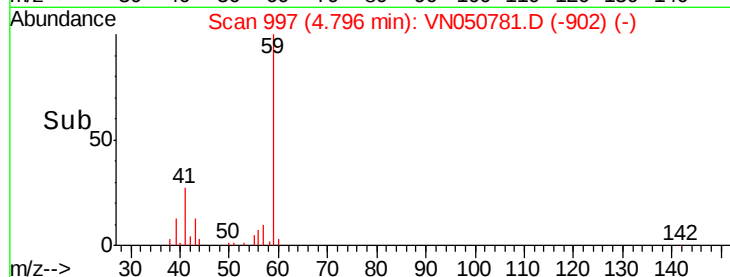
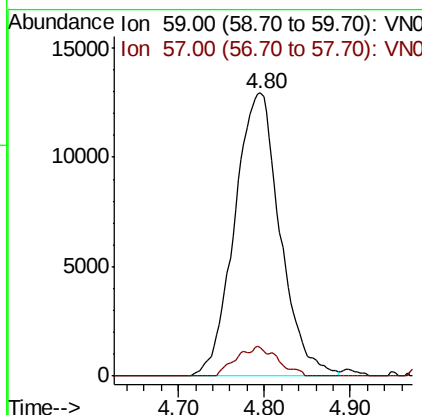
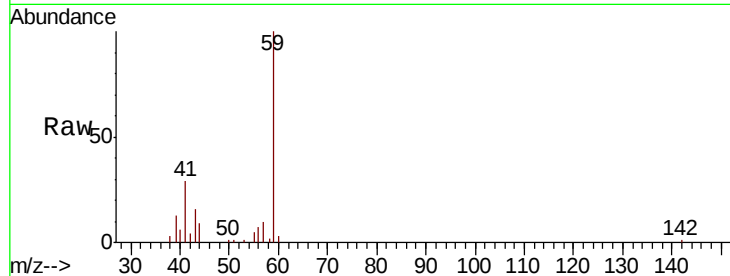




#11
Tert butyl alcohol
Concen: 97.233 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.01 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

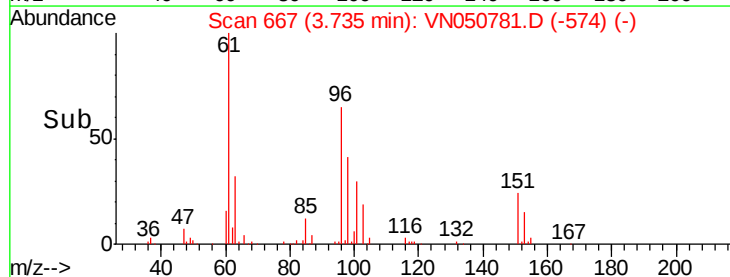
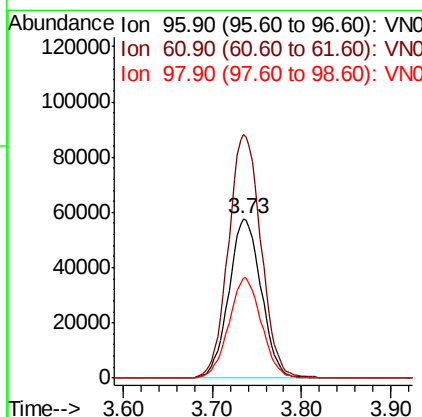
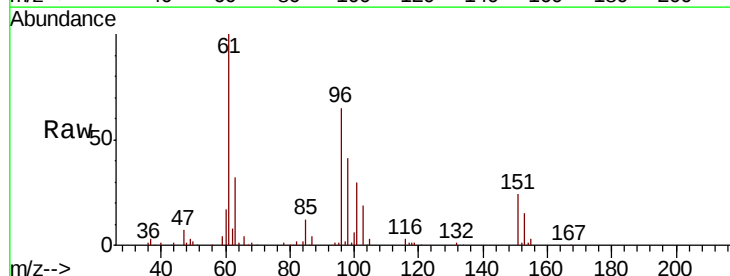
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

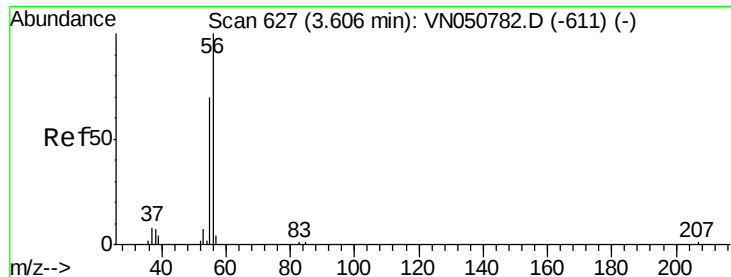
Tot Ion: 59 Resp: 47545
Ion Ratio Lower Upper
59 100
57 9.5 8.3 12.5



#12
1,1-Dichloroethene
Concen: 20.269 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 96 Resp: 145206
Ion Ratio Lower Upper
96 100
61 153.0 124.9 187.3
98 62.6 51.1 76.7





#13

Acrolein

Concen: 99.614 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

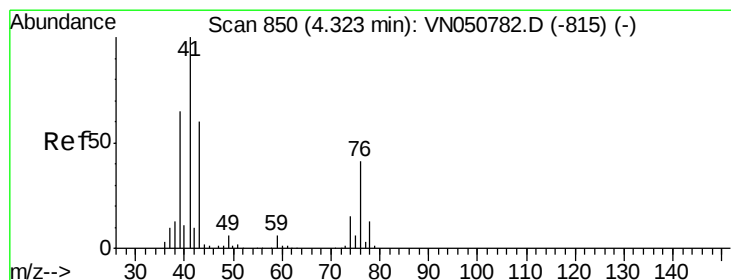
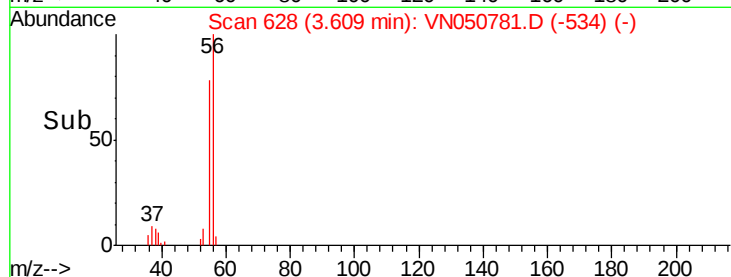
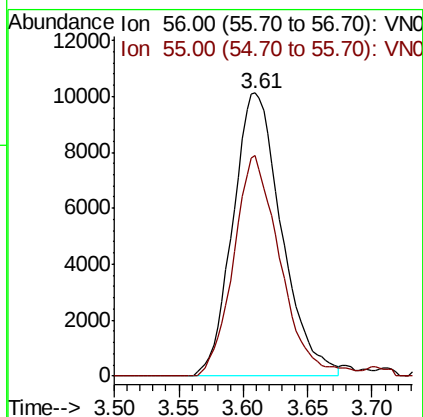
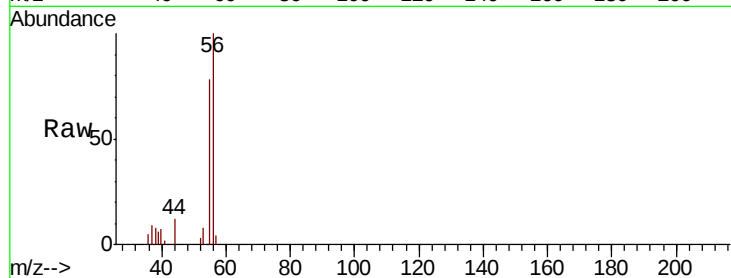
VSTDIC020

Tot Ion: 56 Resp: 26606

Ion Ratio Lower Upper

56 100

55 74.7 57.7 86.5



#14

Allyl chloride

Concen: 19.560 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

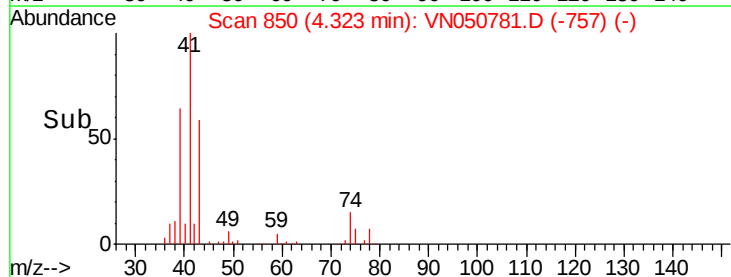
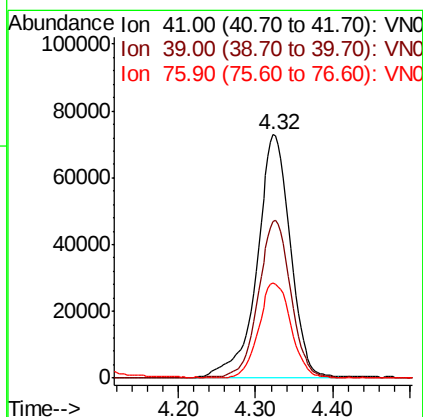
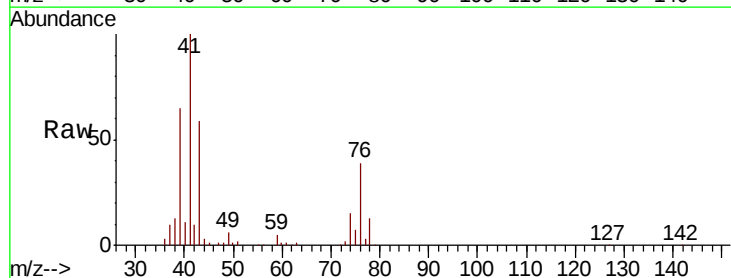
Tgt Ion: 41 Resp: 218354

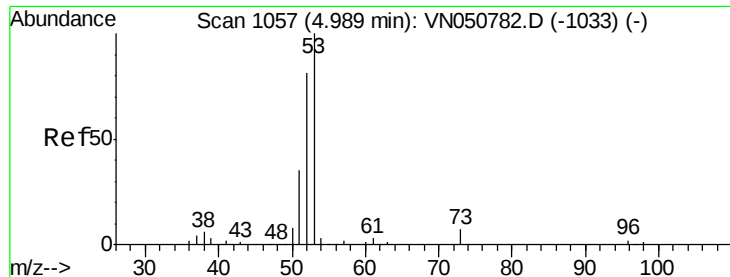
Ion Ratio Lower Upper

41 100

39 61.9 50.2 75.2

76 37.1 29.8 44.8



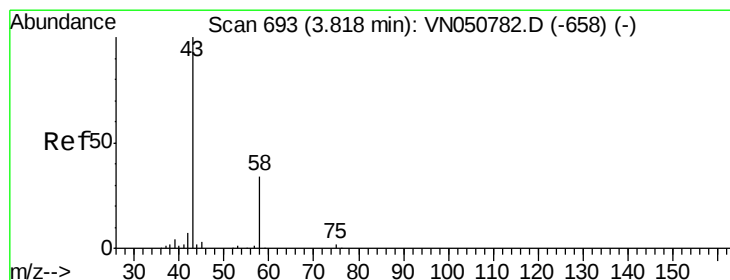
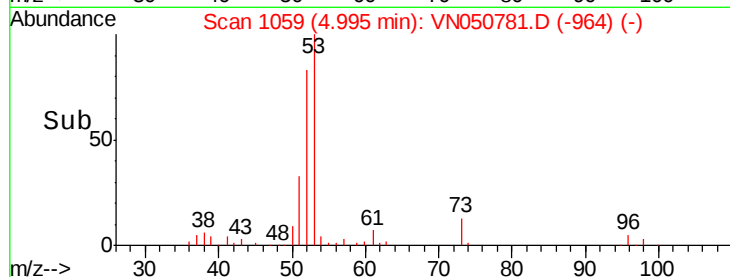
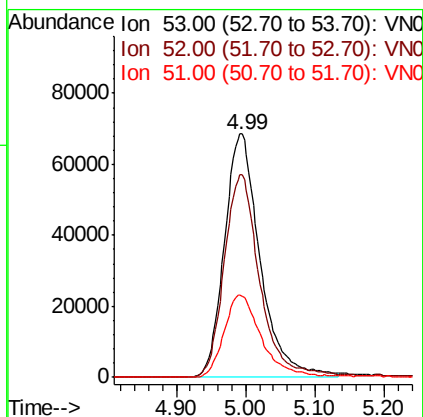
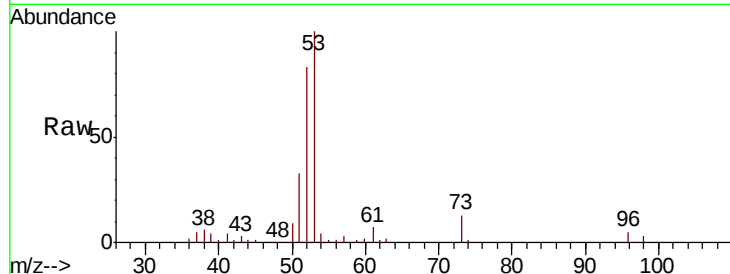


#15
 Acrylonitrile
 Concen: 99.160 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 53 Resp: 246418

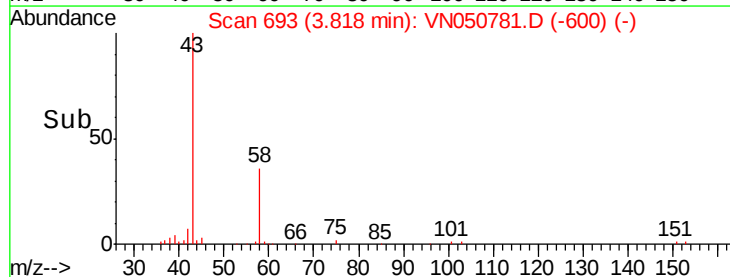
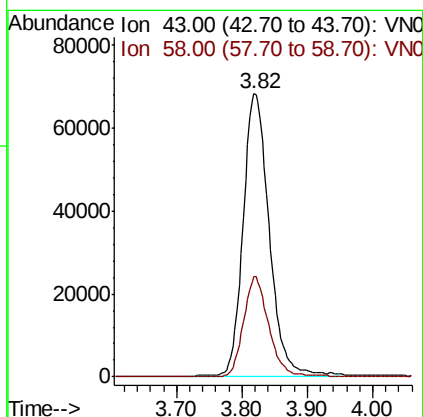
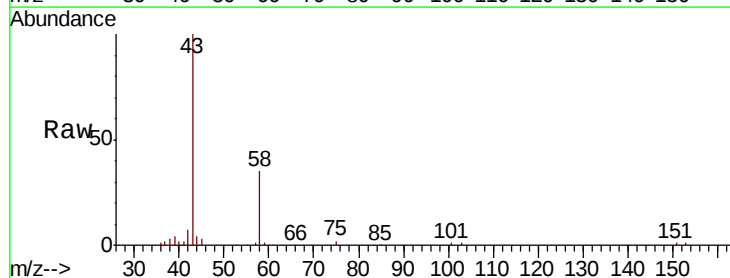
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.9	98.9
51	35.1	28.6	43.0

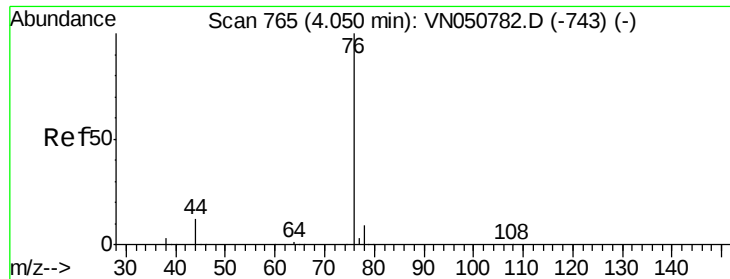


#16
 Acetone
 Concen: 90.575 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 43 Resp: 191772

Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.2	40.8

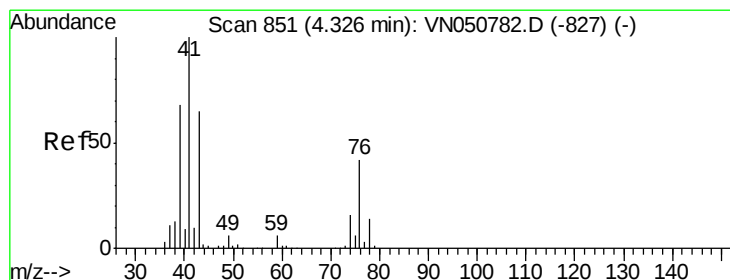
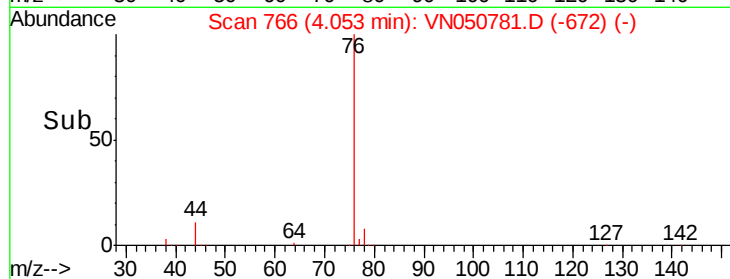
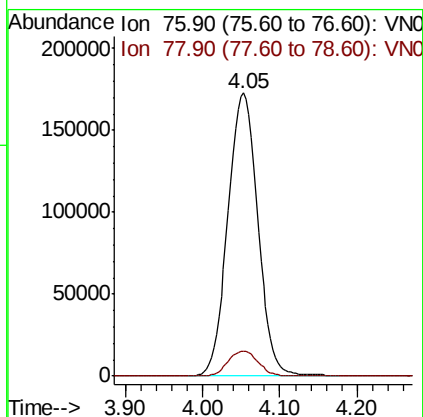
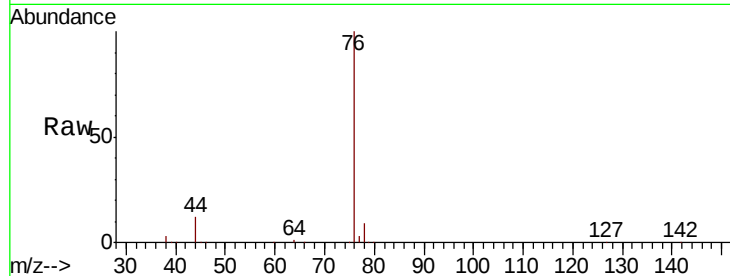




#17
Carbon Disulfide
Concen: 19.346 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

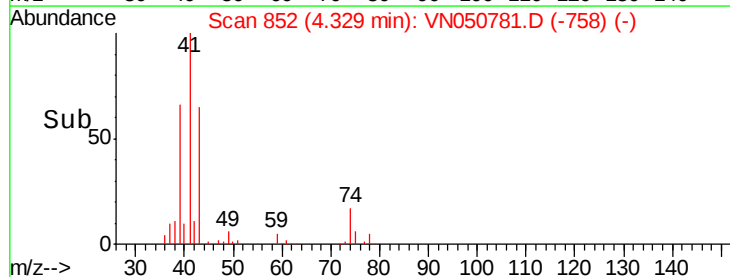
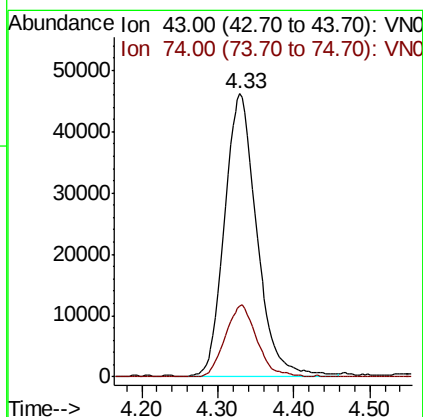
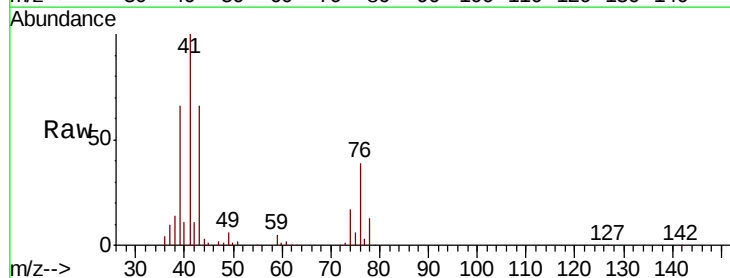
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

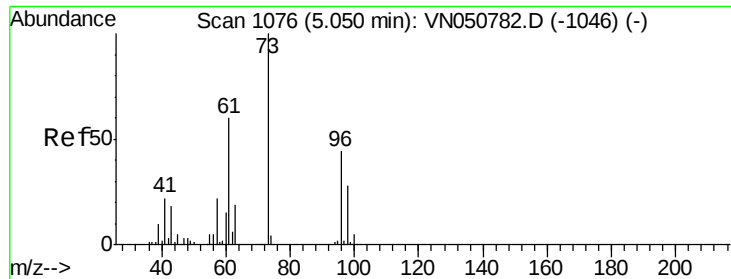
Tot Ion: 76 Resp: 464628
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 18.788 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 43 Resp: 137181
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

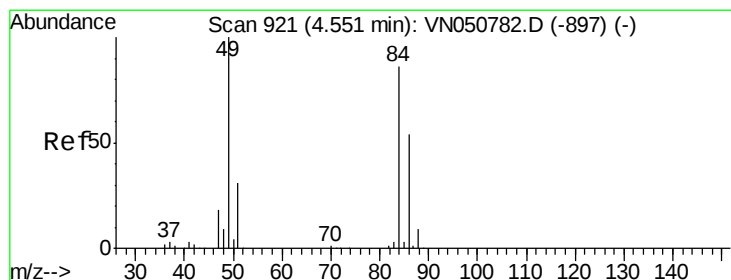
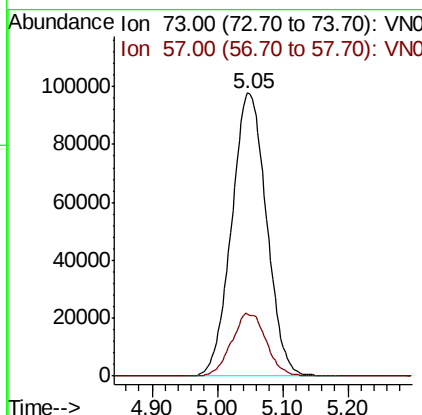
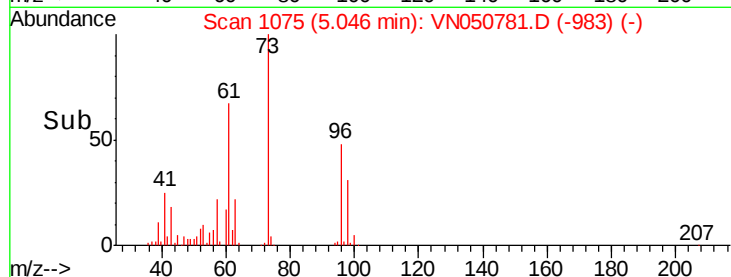
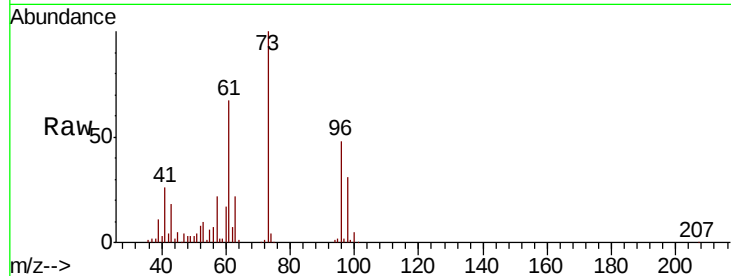




#19
Methyl tert-butyl Ether
Concen: 20.112 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

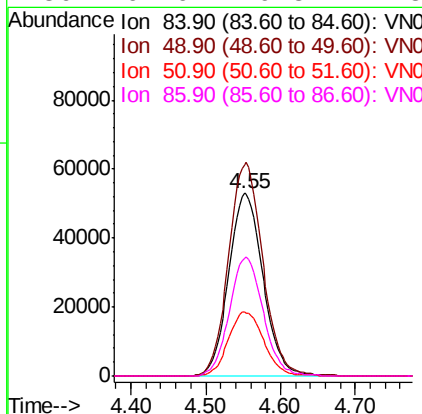
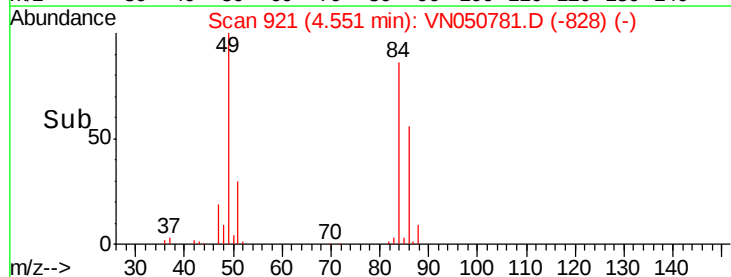
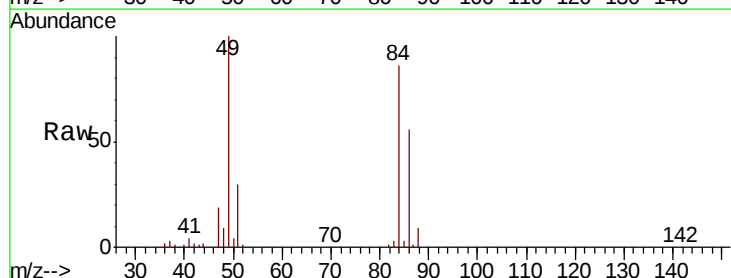
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

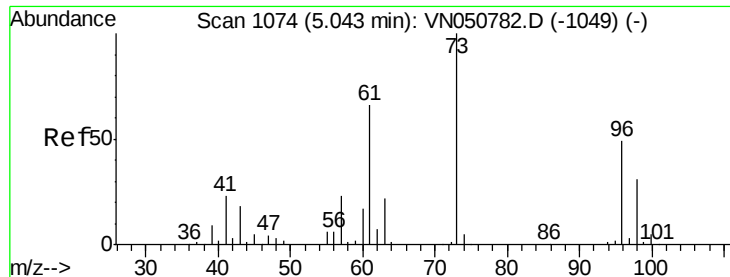
Tot Ion: 73 Resp: 362427
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 19.515 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 84 Resp: 168897
Ion Ratio Lower Upper
84 100
49 115.6 93.2 139.8
51 35.2 29.0 43.6
86 64.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.955 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

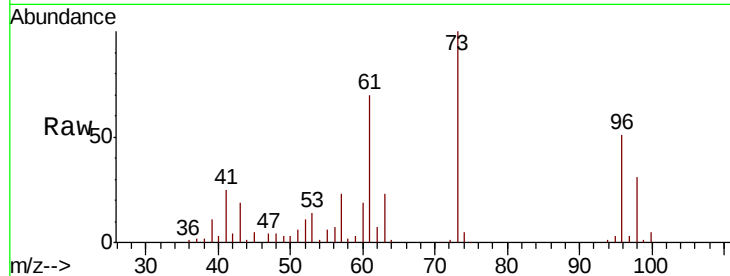
Tot Ion: 96 Resp: 154063

Ion Ratio Lower Upper

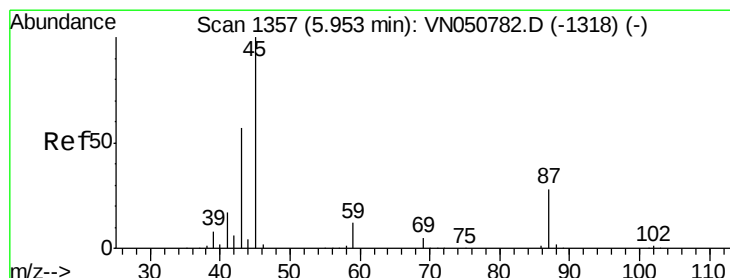
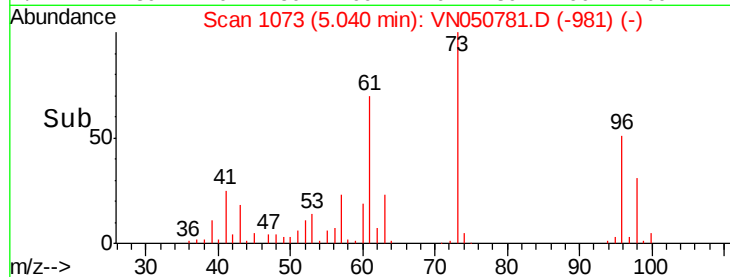
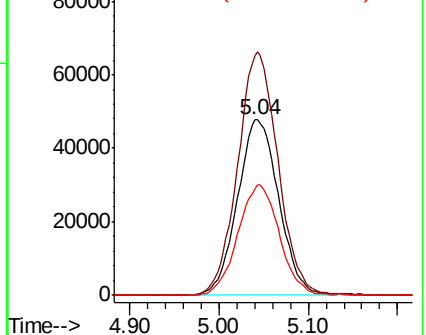
96 100

61 136.5 107.4 161.0

98 61.0 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.979 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion: 45 Resp: 466714

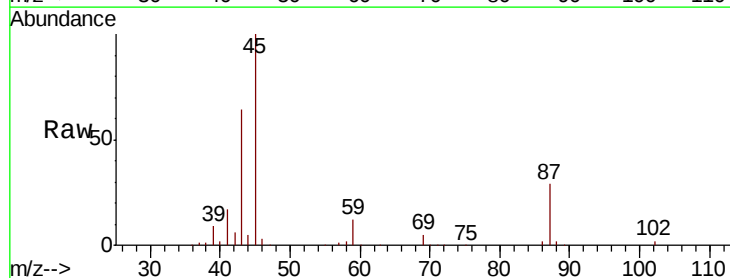
Ion Ratio Lower Upper

45 100

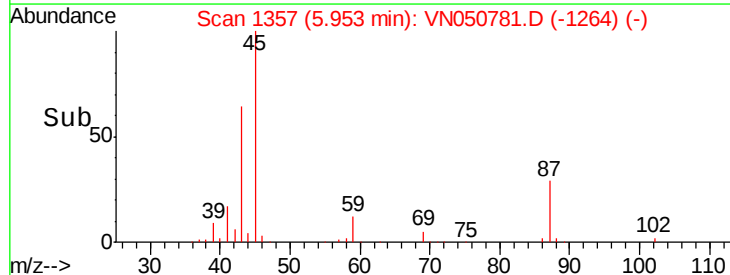
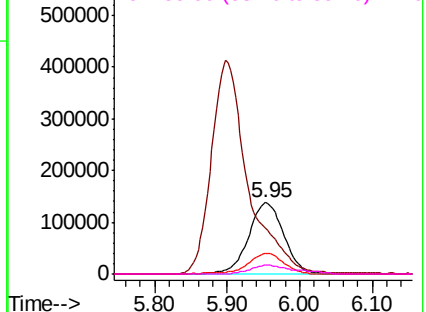
43 61.9 45.9 68.9

87 28.4 22.7 34.1

59 12.1 9.3 13.9



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

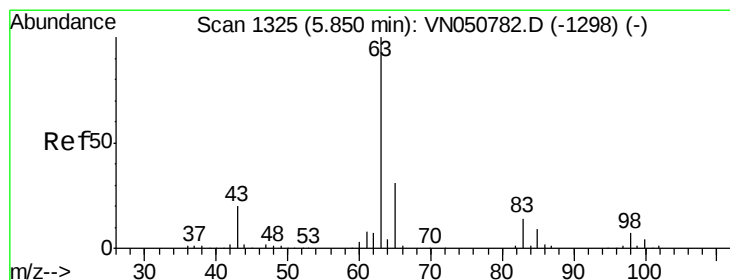
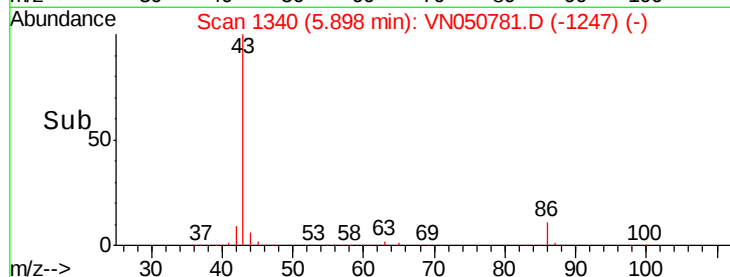
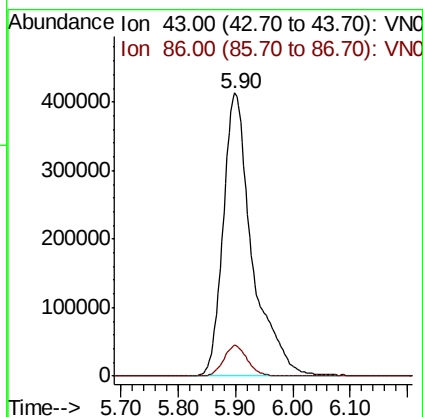
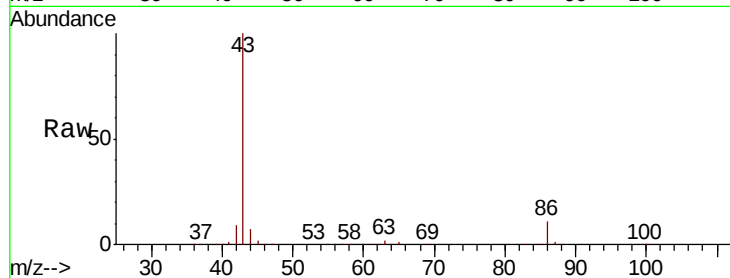




#23
 Vinyl Acetate
 Concen: 101.592 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

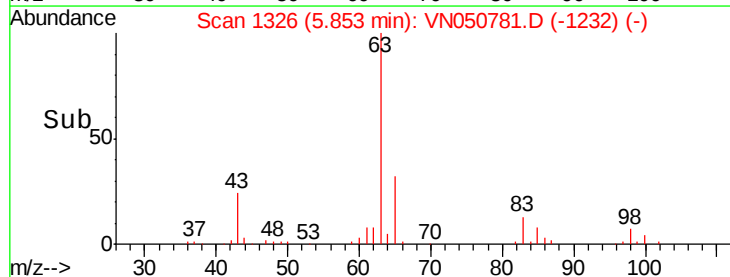
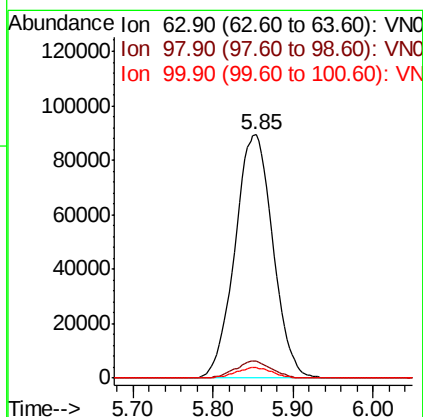
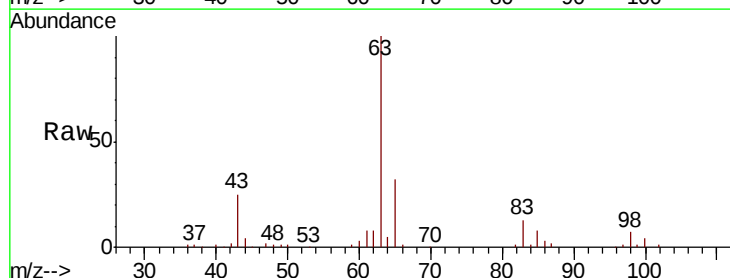
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

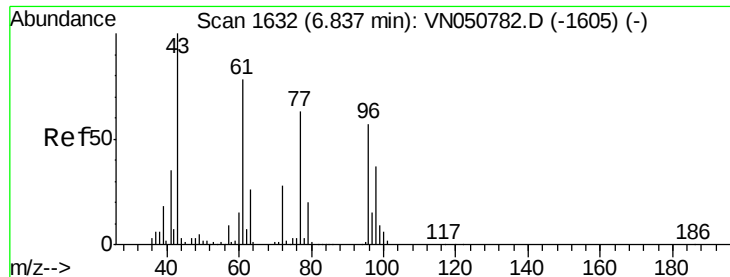
Tot Ion: 43 Resp: 145526
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.115 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 63 Resp: 287297
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 90.652 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

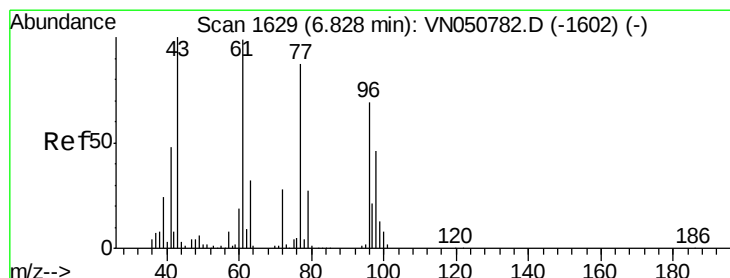
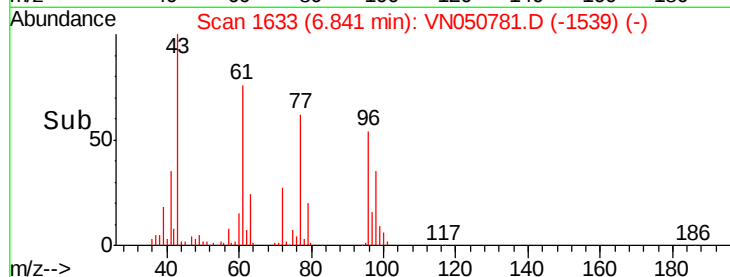
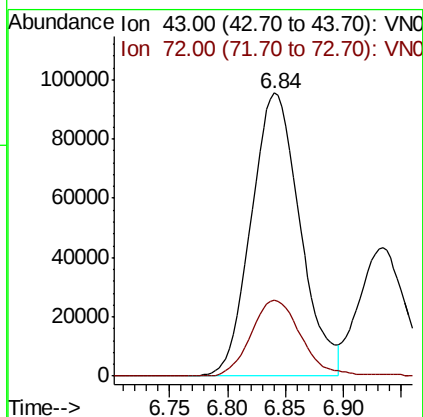
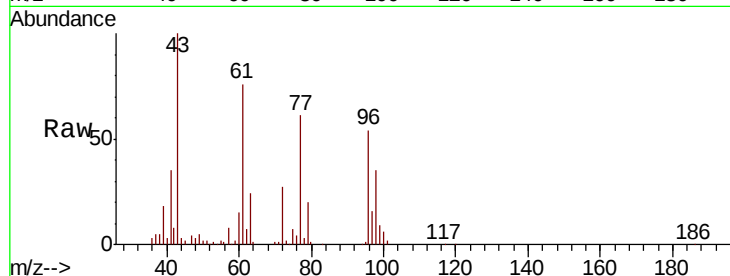
VSTDIC020

Tot Ion: 43 Resp: 280526

Ion Ratio Lower Upper

43 100

72 27.1 22.3 33.5



#26

2,2-Dichloropropane

Concen: 20.004 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050781.D

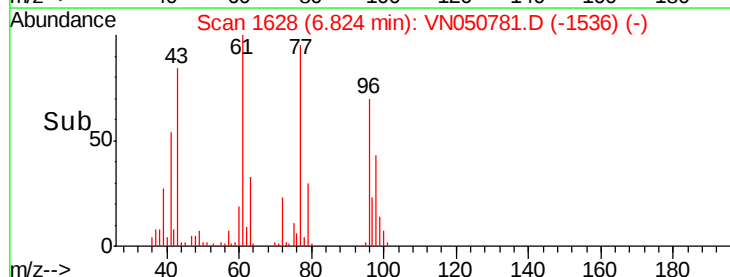
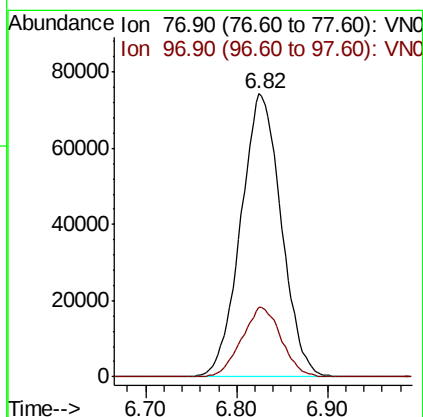
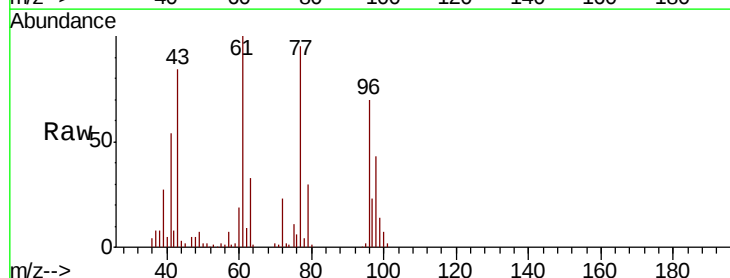
Acq: 21 Aug 2018 10:45

Tgt Ion: 77 Resp: 229573

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.240 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

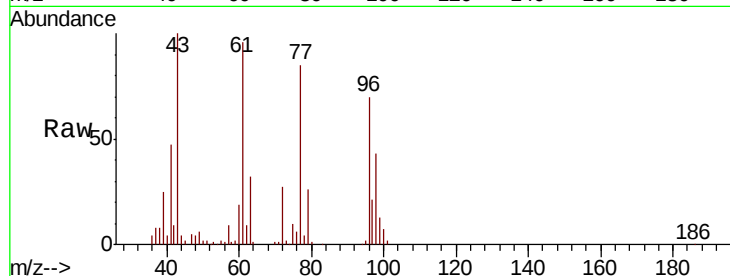
Tot Ion: 96 Resp: 169077

Ion Ratio Lower Upper

96 100

61 141.0 0.0 283.4

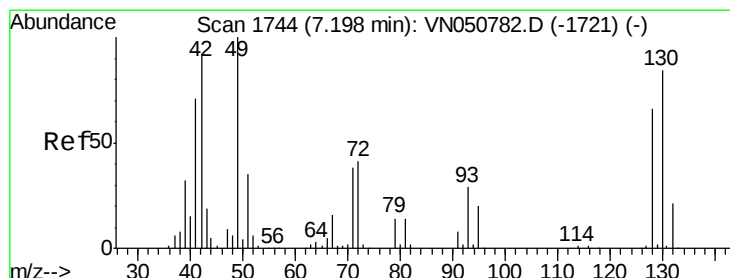
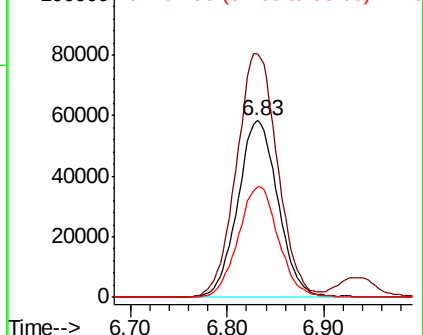
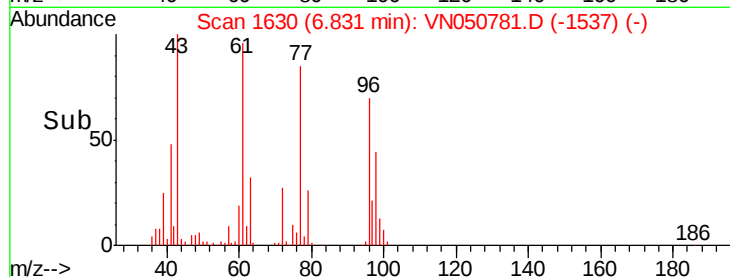
98 62.5 0.0 129.8



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



#28

Bromochloromethane

Concen: 19.881 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

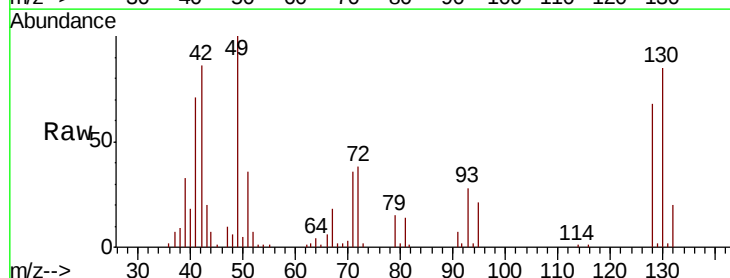
Tgt Ion: 49 Resp: 120657

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

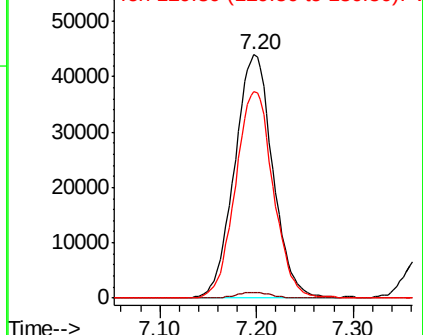
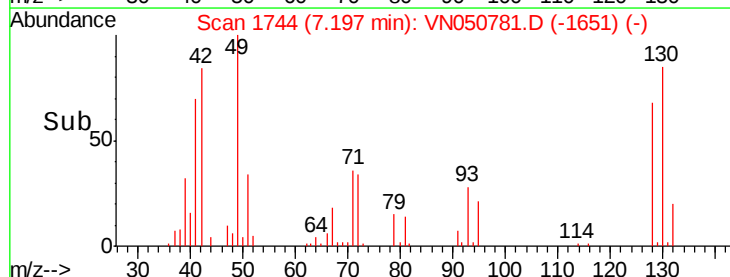
130 84.1 67.1 100.7

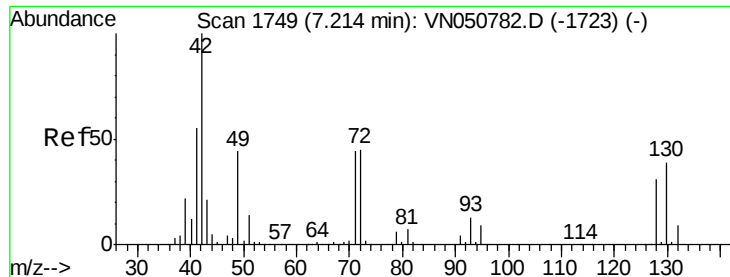


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 100.392 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

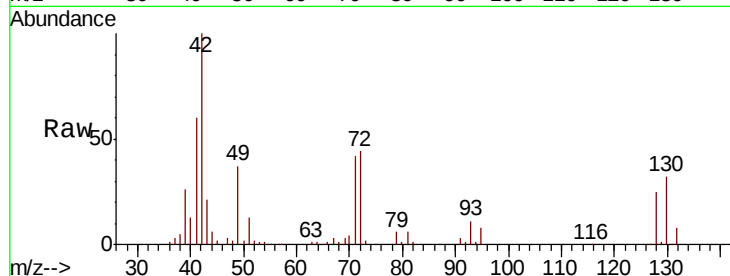
Tot Ion: 42 Resp: 178119

Ion Ratio Lower Upper

42 100

72 44.2 35.5 53.3

71 41.9 33.7 50.5

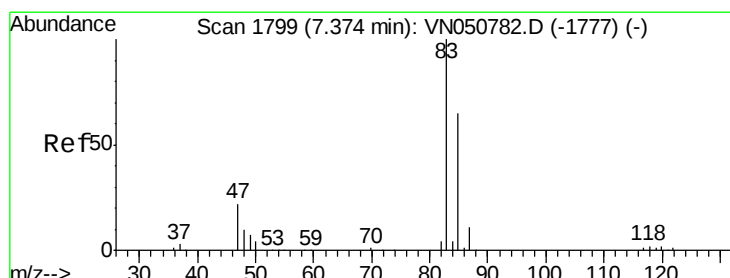
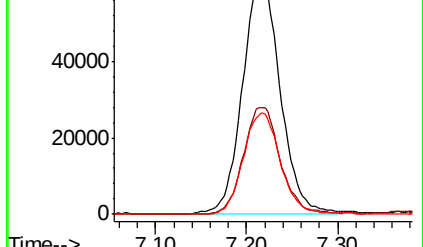
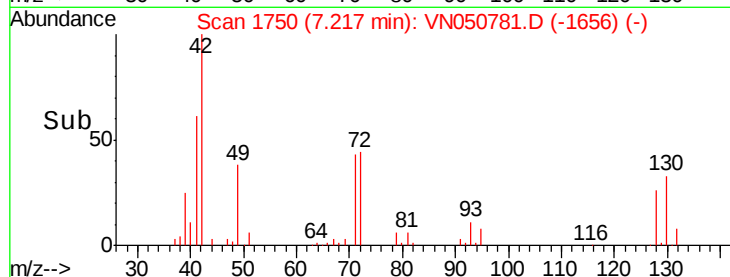


Abundance Ion 42.00 (41.70 to 42.70): VN050782.D (-1723) (-)

Ion 72.00 (71.70 to 72.70): VN050782.D (-1723) (-)

Ion 71.00 (70.70 to 71.70): VN050782.D (-1723) (-)

Time-->



#30

Chloroform

Concen: 20.326 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050781.D

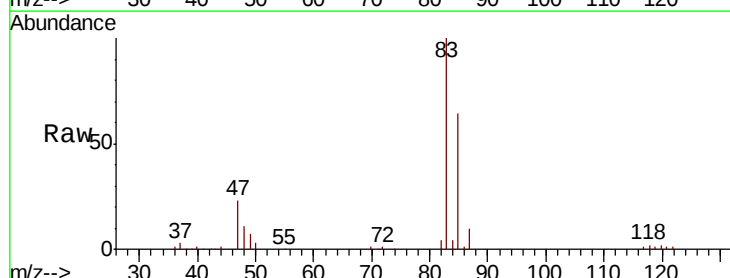
Acq: 21 Aug 2018 10:45

Tgt Ion: 83 Resp: 287473

Ion Ratio Lower Upper

83 100

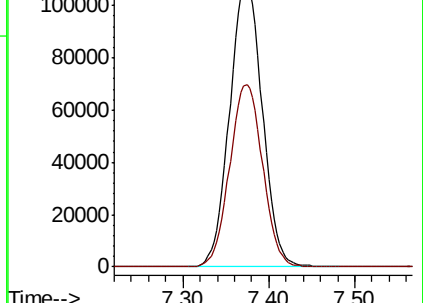
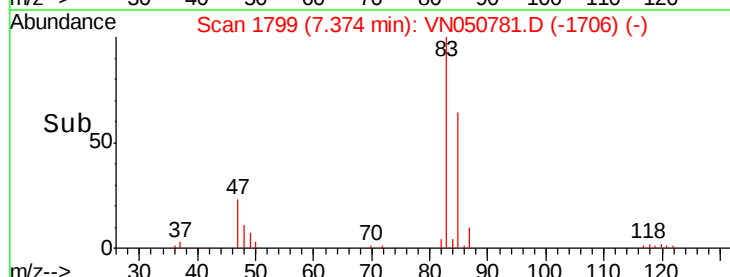
85 64.3 52.2 78.4

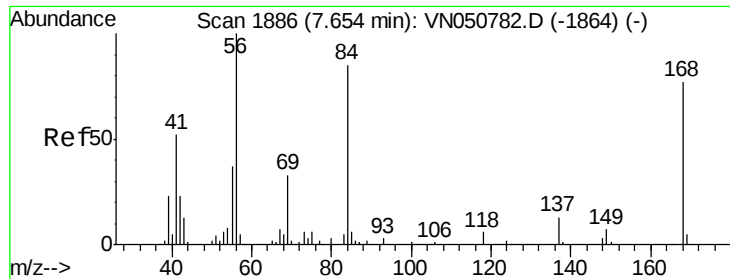


Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-1777) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-1777) (-)

Time-->

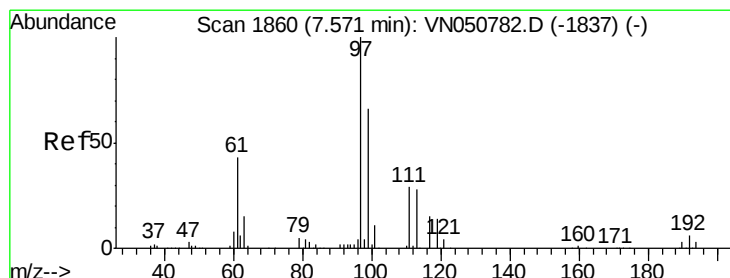
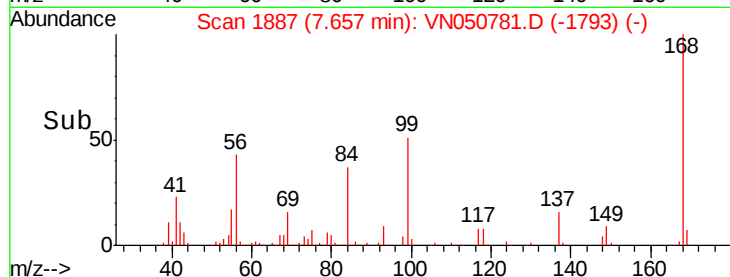
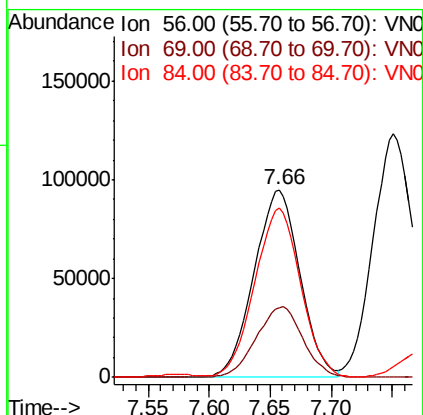
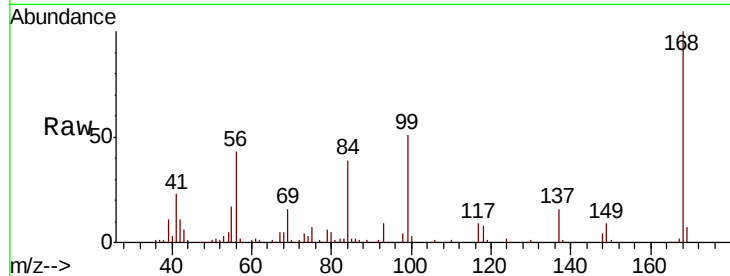




#31
Cyclohexane
Concen: 17.539 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

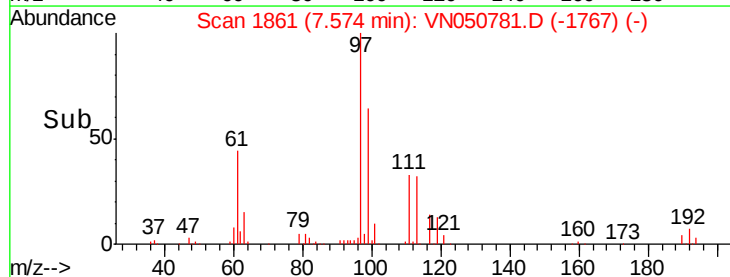
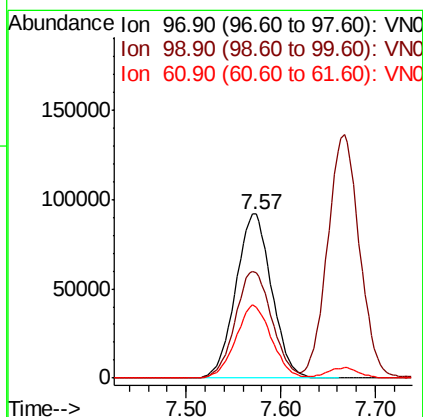
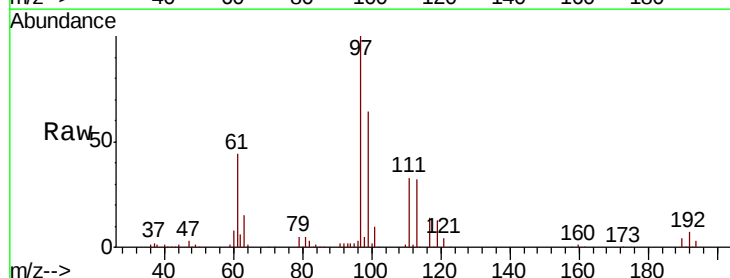
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 248837
Ion Ratio Lower Upper
56 100
69 37.4 26.2 39.4
84 88.7 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 19.933 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 97 Resp: 242153
Ion Ratio Lower Upper
97 100
99 66.0 51.8 77.6
61 44.3 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 18.777 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

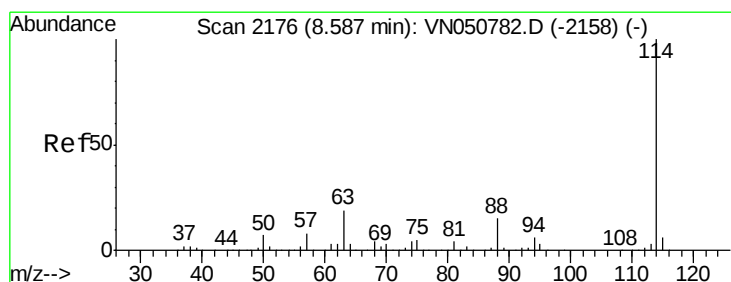
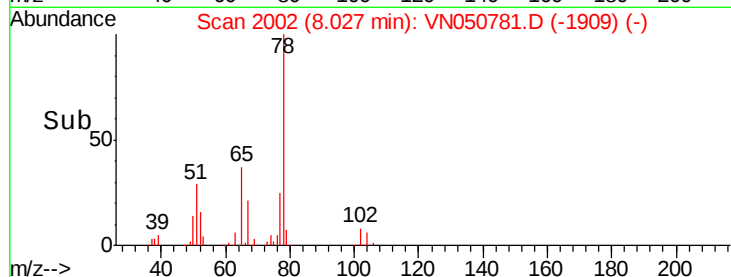
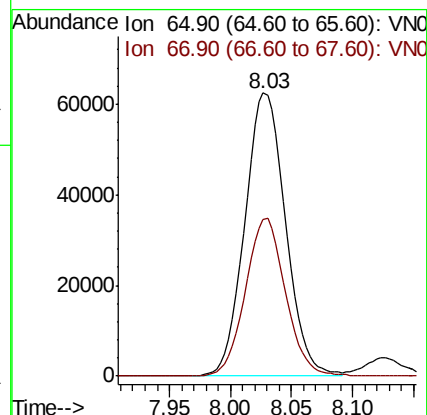
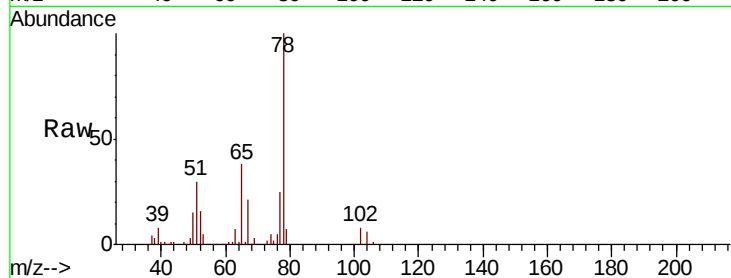
VSTDIC020

Tot Ion: 65 Resp: 144185

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

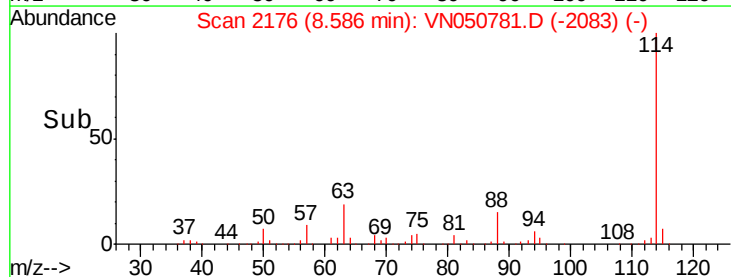
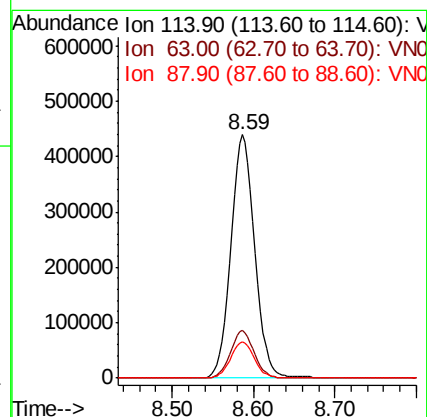
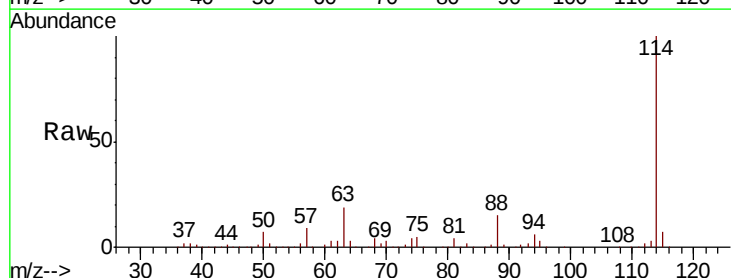
Tgt Ion: 114 Resp: 905664

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

88 15.0 0.0 30.6

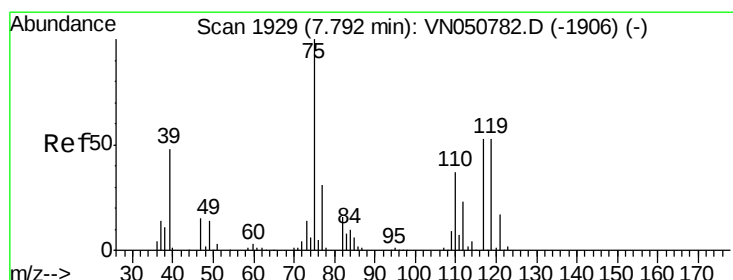
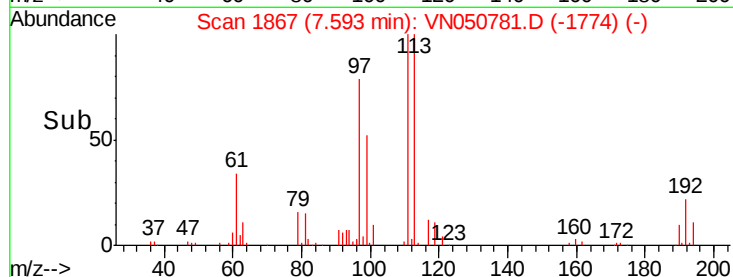
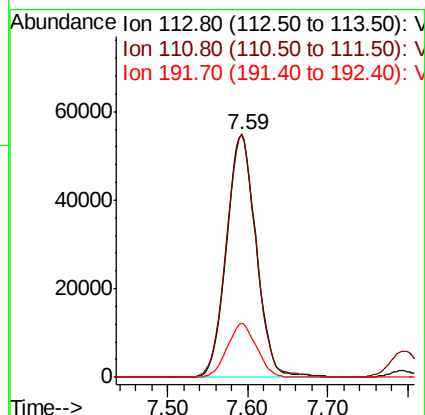
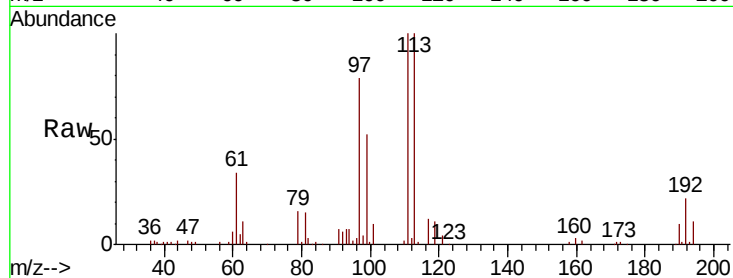




#35
 Dibromofluoromethane
 Concen: 19.235 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

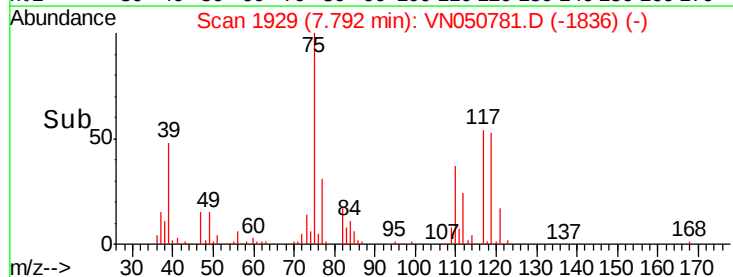
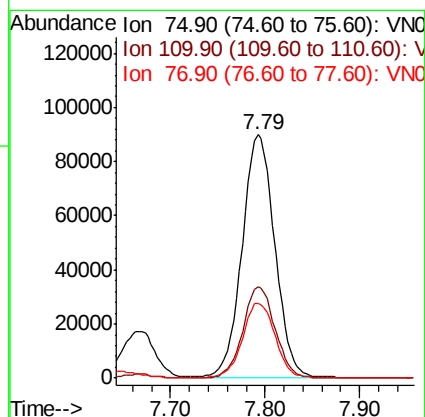
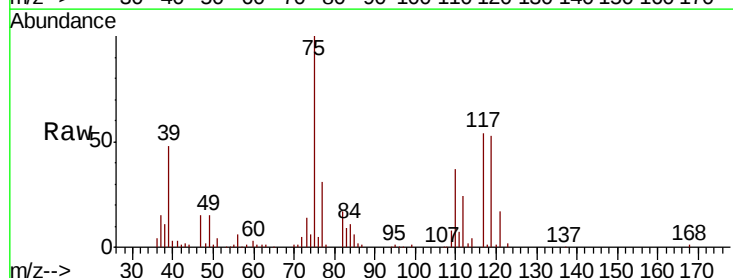
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

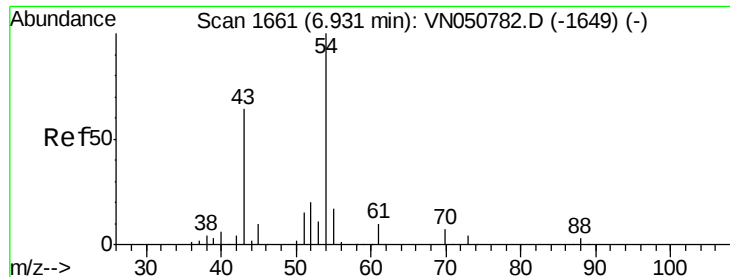
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.6	123.8
192	21.9	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 20.150 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.4
77	31.1	24.8	37.2

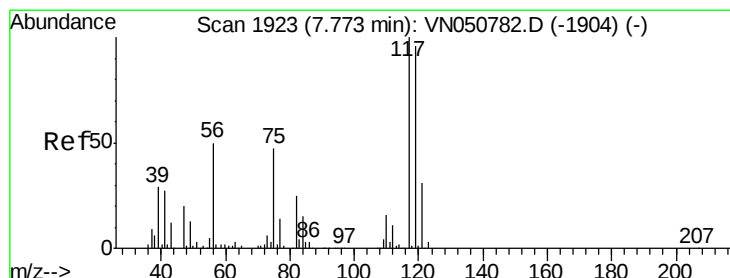
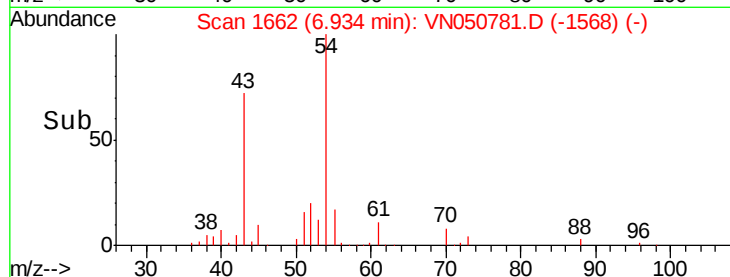
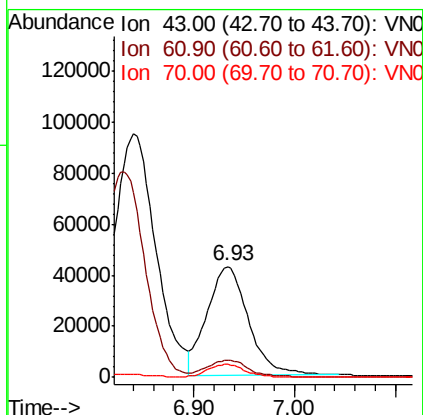
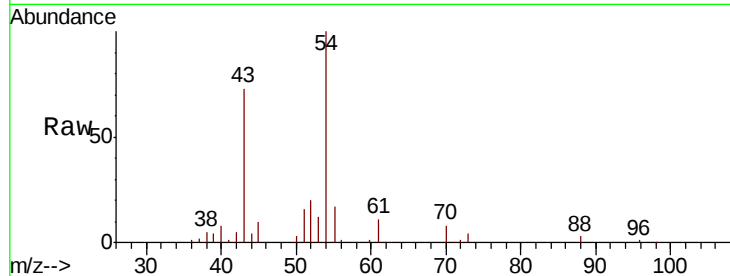




#37
Ethyl Acetate
Concen: 21.025 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

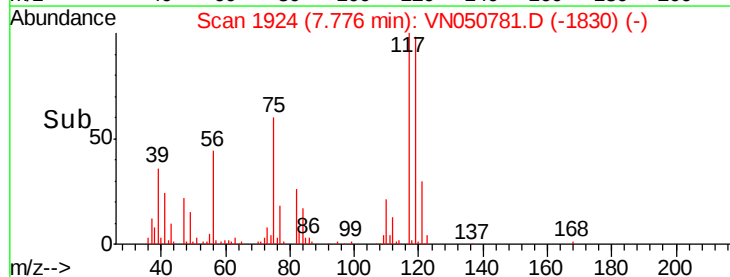
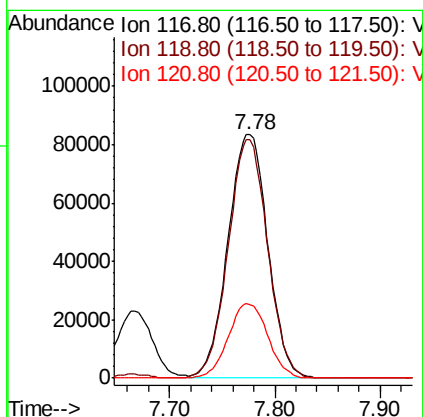
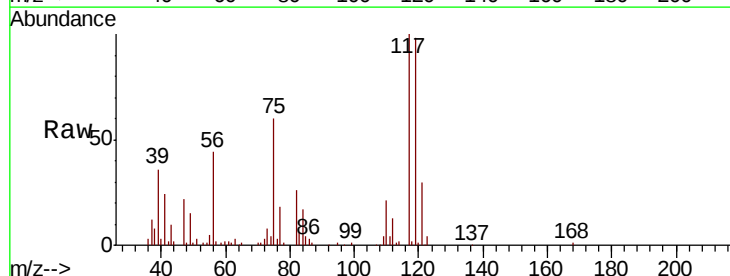
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 123650
Ion Ratio Lower Upper
43 100
61 15.1 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.288 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 117 Resp: 219172
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5
121 30.3 24.6 36.8

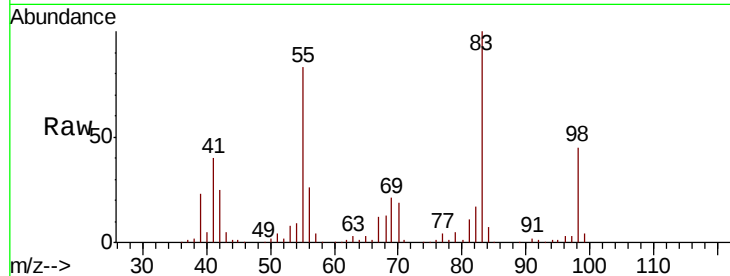




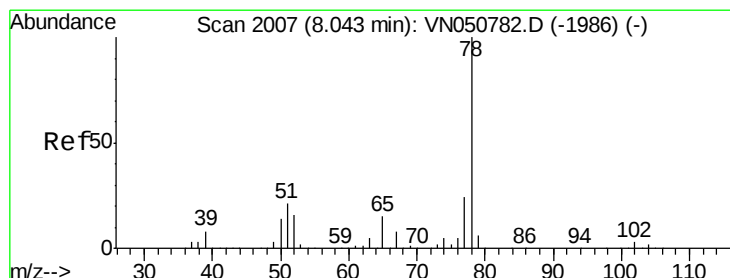
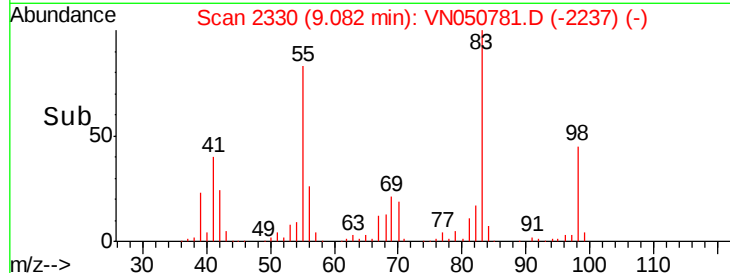
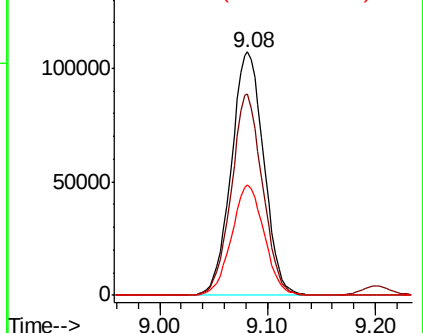
#39
Methvlcvclohexane
Concen: 19.417 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 224505
Ion Ratio Lower Upper
83 100
55 82.5 61.0 91.4
98 45.2 37.5 56.3

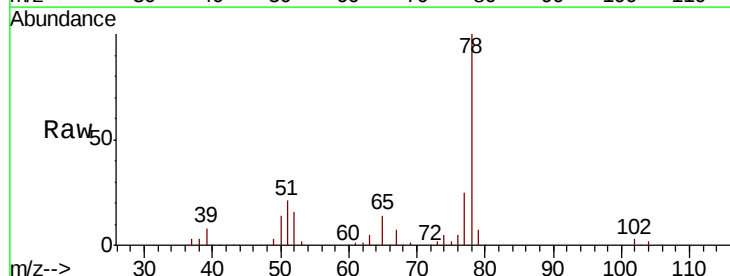


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

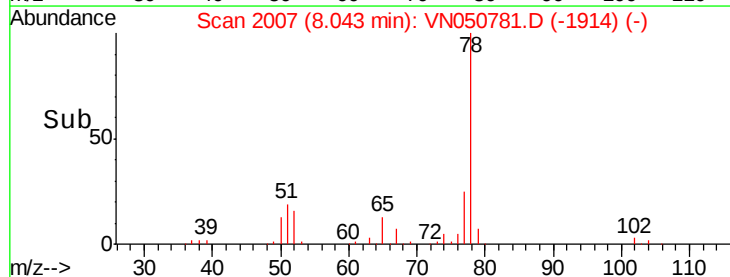
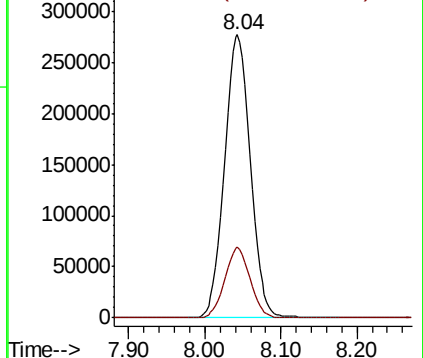


#40
Benzene
Concen: 20.395 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 78 Resp: 657273
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.4



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

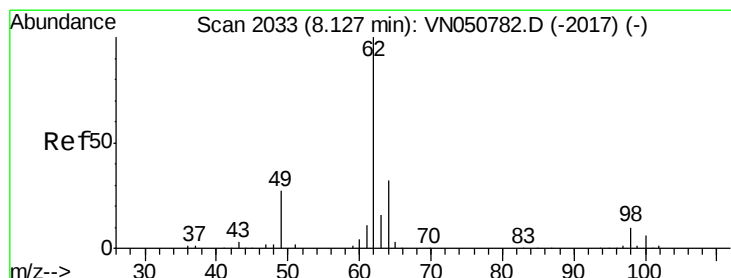
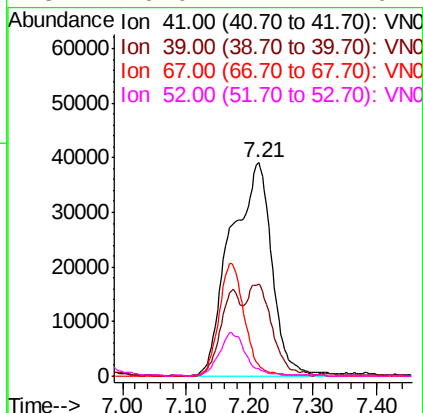
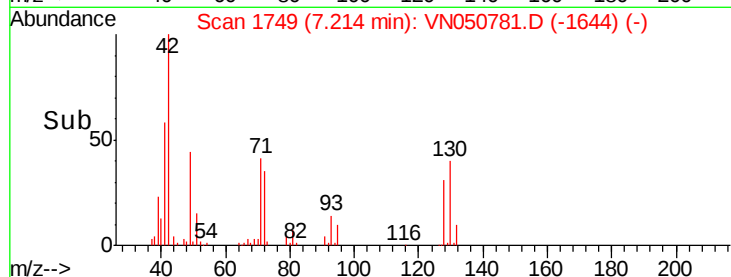
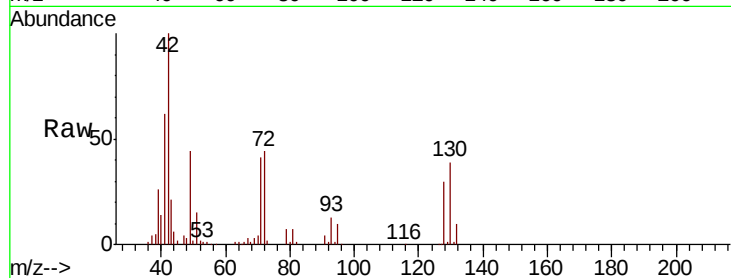




#41
Methacrylonitrile
Concen: 56.960 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

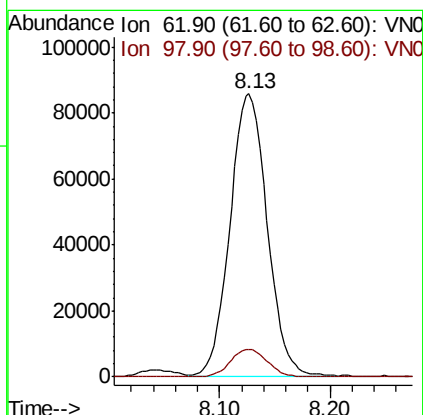
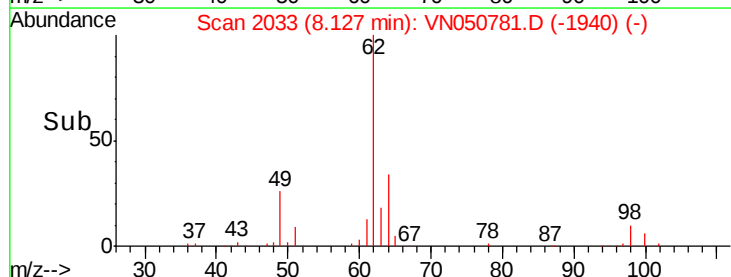
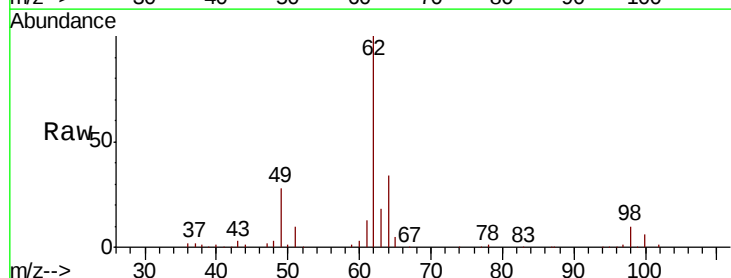
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

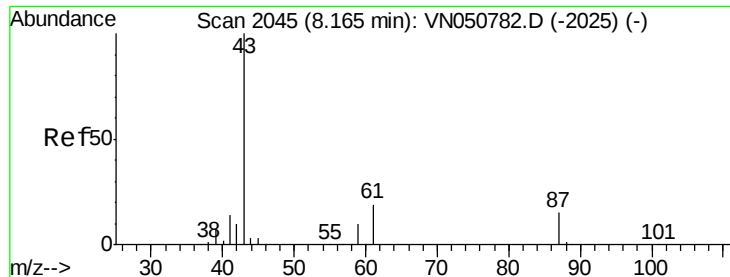
Tot Ion: 41 Resp: 177075
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.0#
67 0.0 70.6 106.0#
52 0.0 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 20.734 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 62 Resp: 199771
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6





#43

Isopropyl Acetate

Concen: 19.976 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

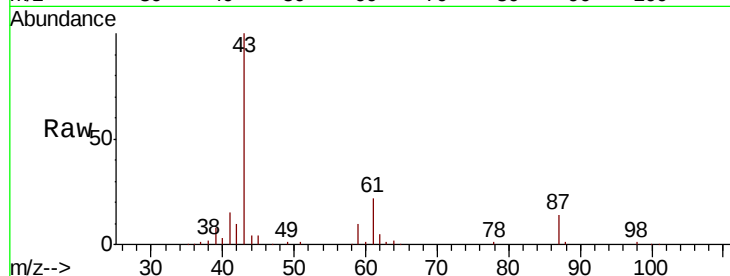
Tot Ion: 43 Resp: 210861

Ion Ratio Lower Upper

43 100

61 21.9 17.5 26.3

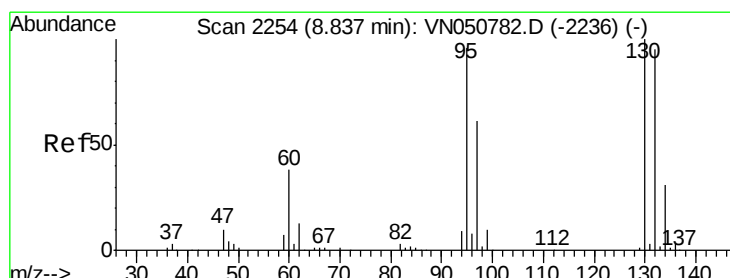
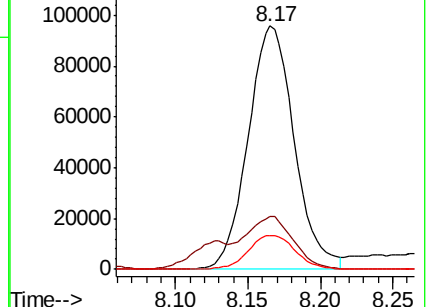
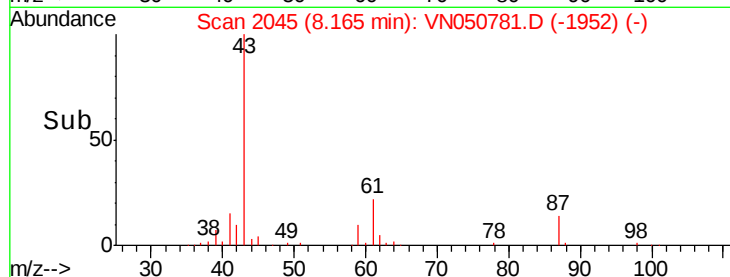
87 14.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050781.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050781.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050781.D (-1952) (-)



#44

Trichloroethene

Concen: 20.100 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050781.D

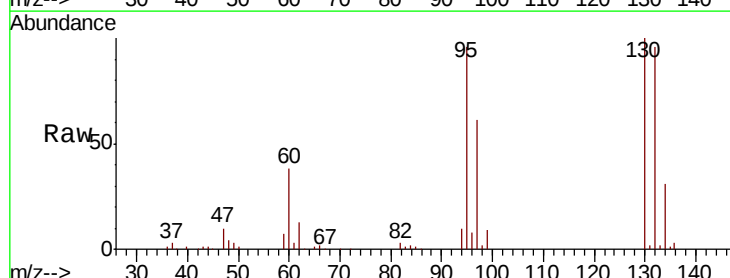
Acq: 21 Aug 2018 10:45

Tgt Ion: 130 Resp: 170841

Ion Ratio Lower Upper

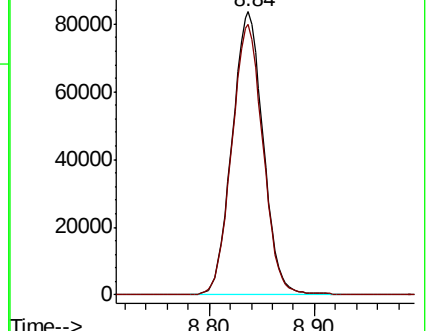
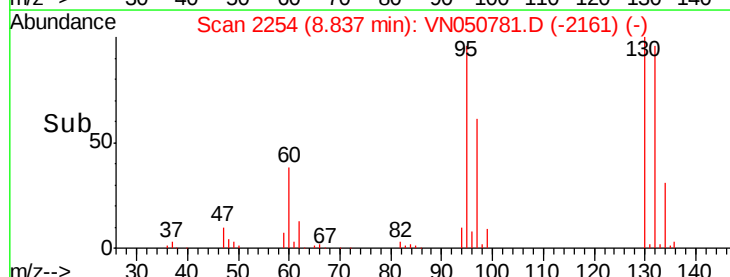
130 100

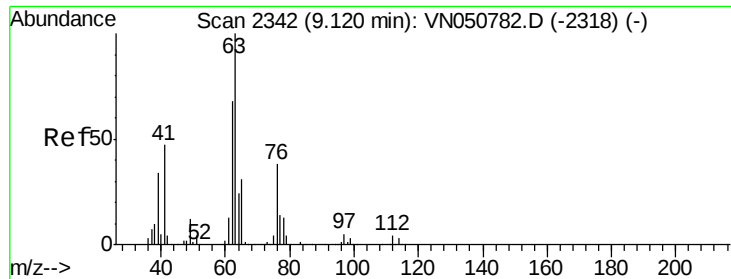
95 95.6 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050781.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050781.D (-2161) (-)

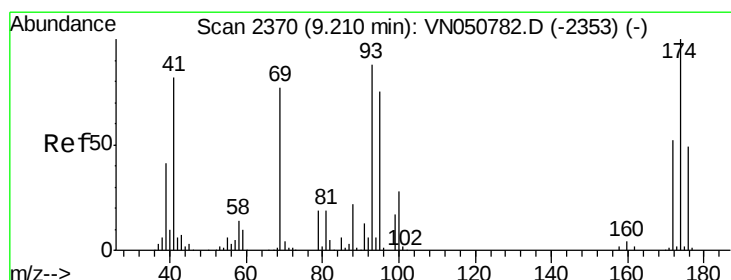
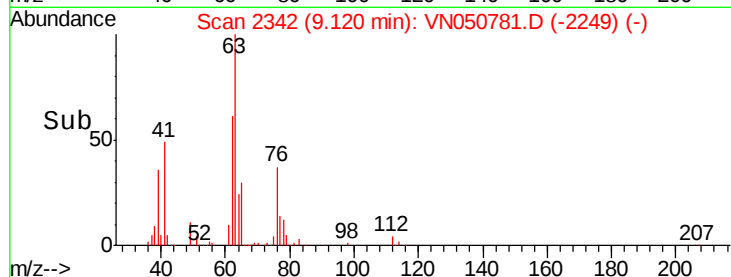
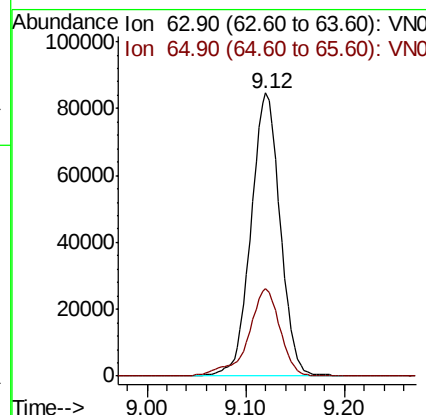
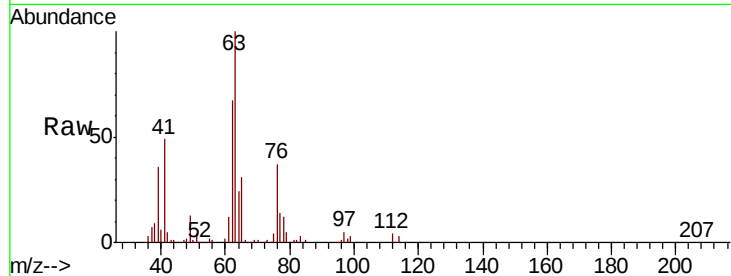




#45
 1,2-Dichloropropane
 Concen: 20.396 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

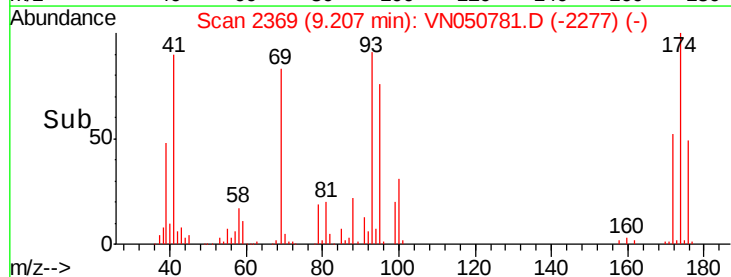
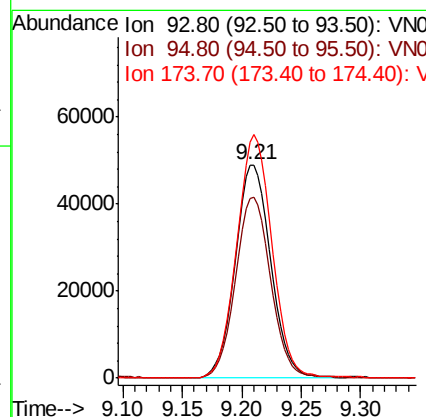
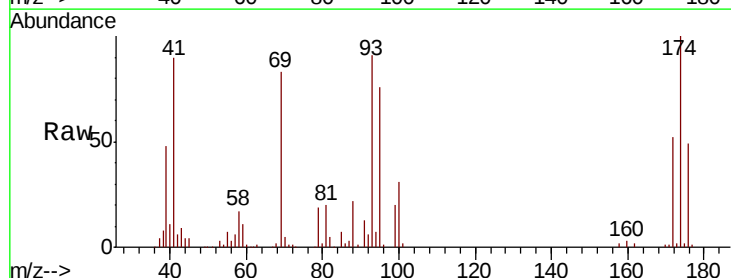
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 172757
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 20.484 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 93 Resp: 101944
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 112.8 89.8 134.6





#47

Bromodichloromethane

Concen: 20.431 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

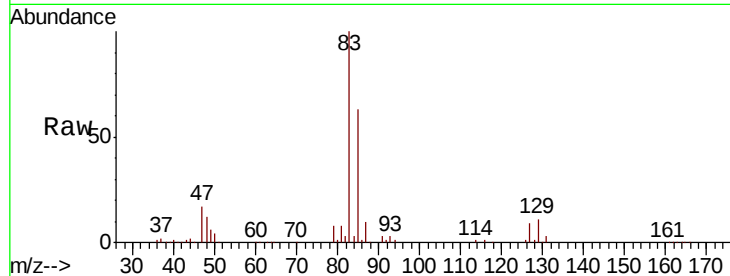
Tot Ion: 83 Resp: 212964

Ion Ratio Lower Upper

83 100

85 62.7 52.6 78.8

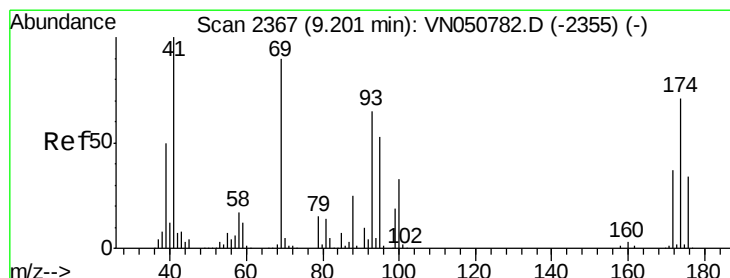
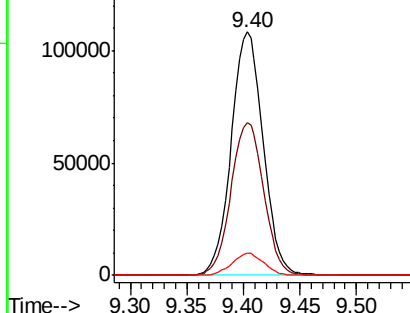
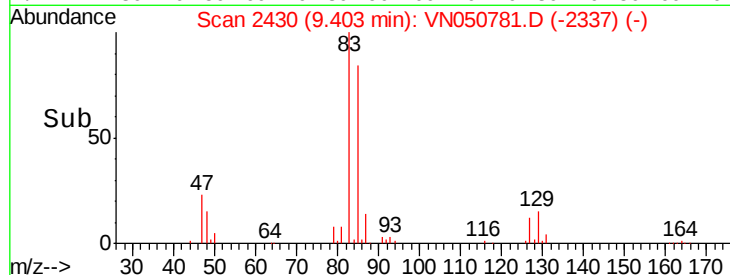
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050781.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050781.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050781.D (-2337) (-)



#48

Methyl methacrylate

Concen: 20.347 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

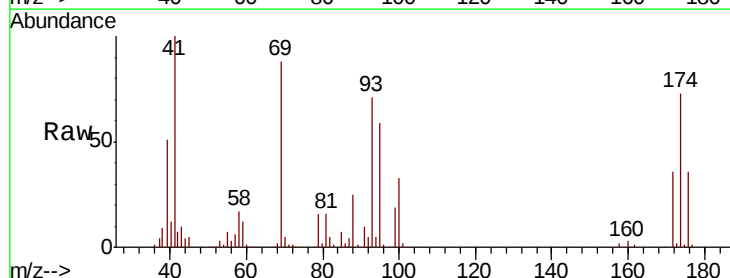
Tgt Ion: 41 Resp: 109457

Ion Ratio Lower Upper

41 100

69 90.5 74.7 112.1

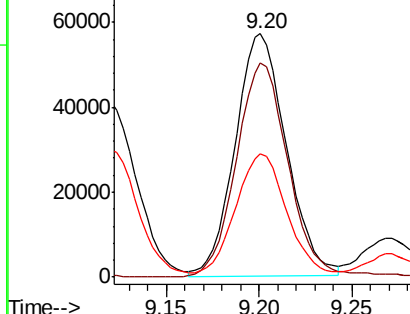
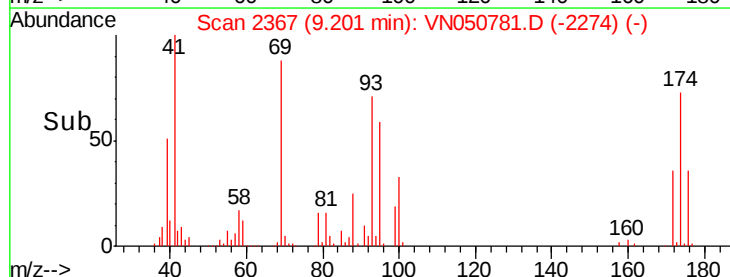
39 51.6 42.2 63.2

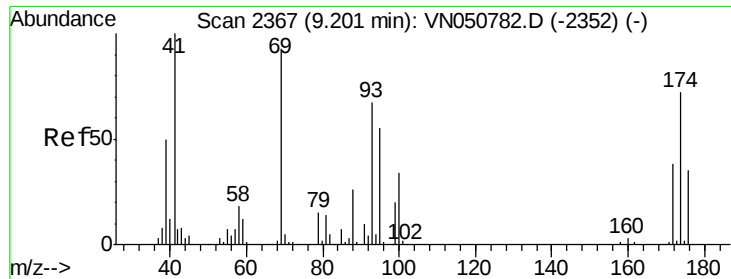


Abundance Ion 41.00 (40.70 to 41.70): VN050781.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050781.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050781.D (-2274) (-)

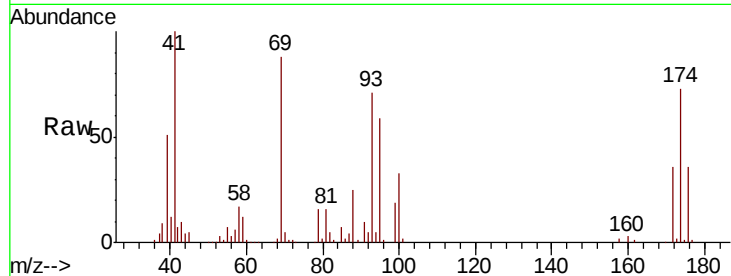




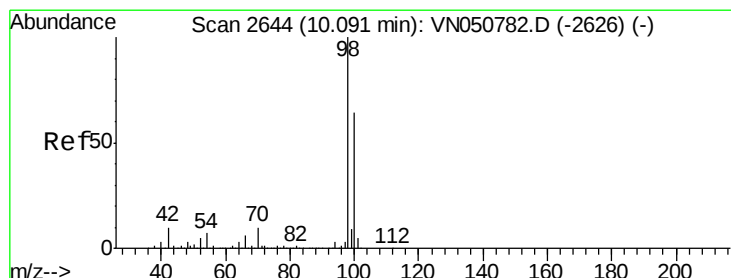
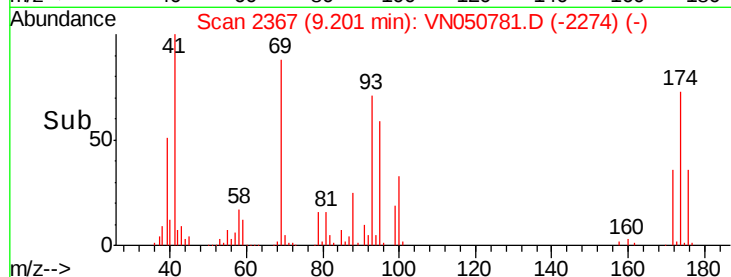
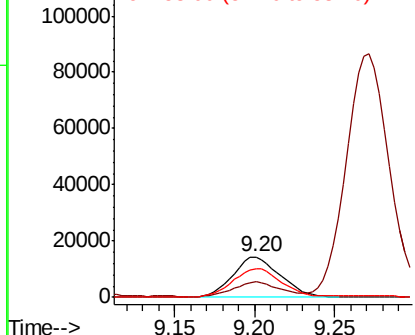
#49
 1,4-Dioxane
 Concen: 398.847 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 88 Resp: 29249
 Ion Ratio Lower Upper
 88 100
 43 34.4 25.9 38.9
 58 73.5 55.0 82.4

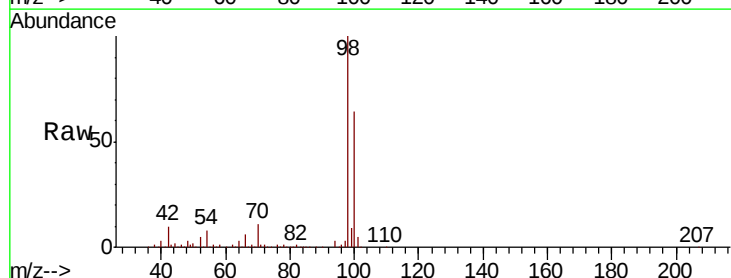


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

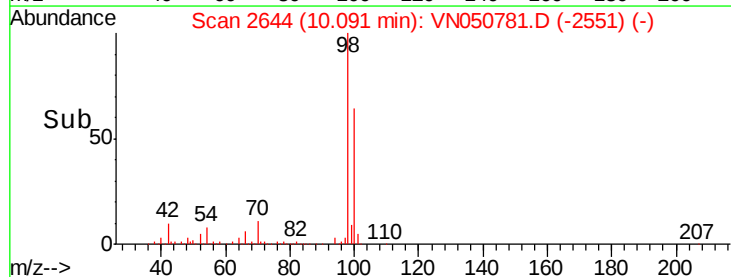
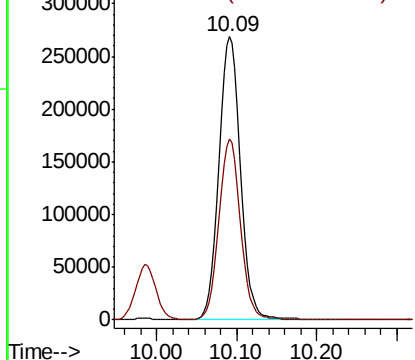


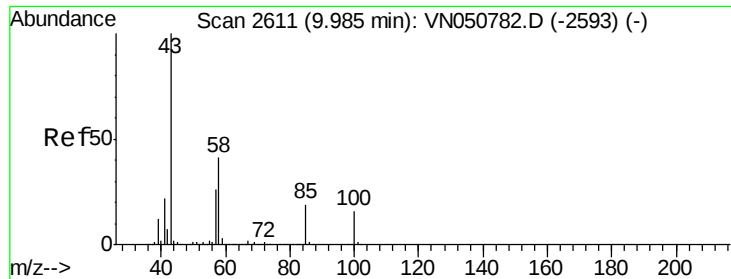
#50
 Toluene-d8
 Concen: 18.734 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 98 Resp: 504639
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.5 77.3



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

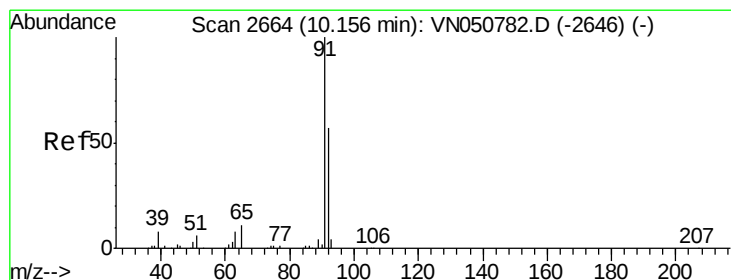
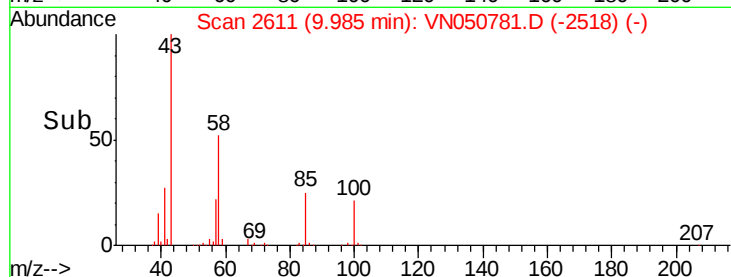
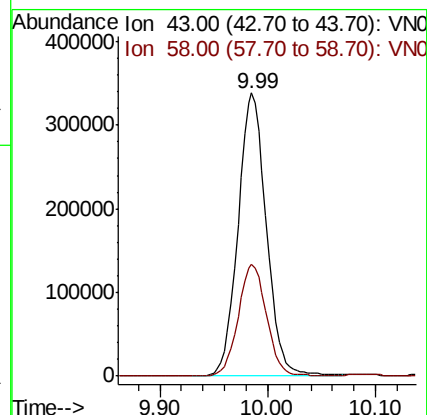
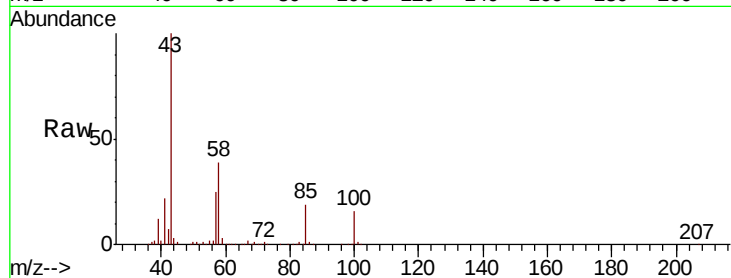




#51
 4-Methyl-2-Pentanone
 Concen: 97.985 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

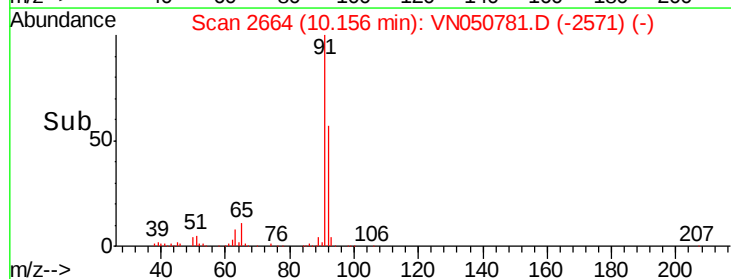
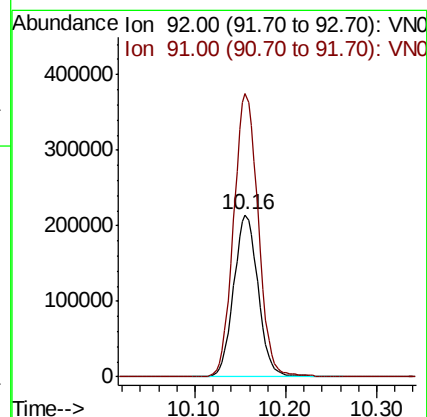
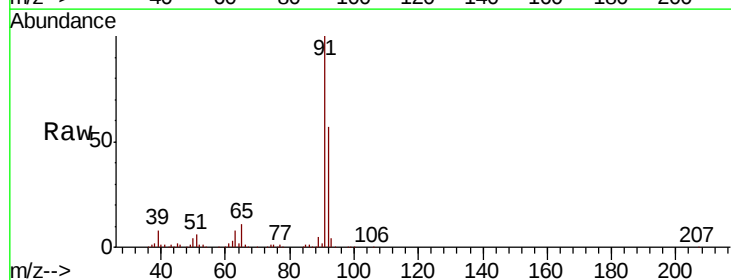
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

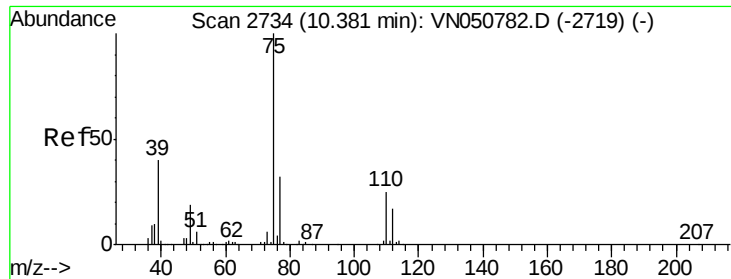
Tot Ion: 43 Resp: 617206
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.4 48.6



#52
 Toluene
 Concen: 20.982 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 92 Resp: 400573
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.757 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

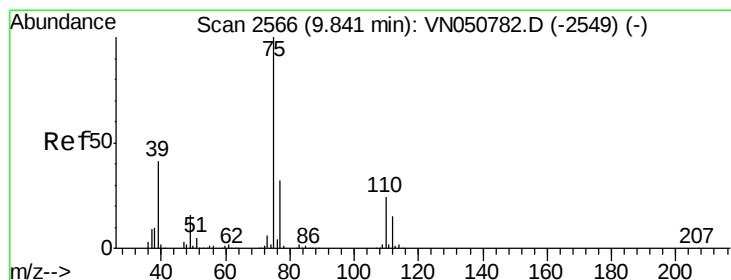
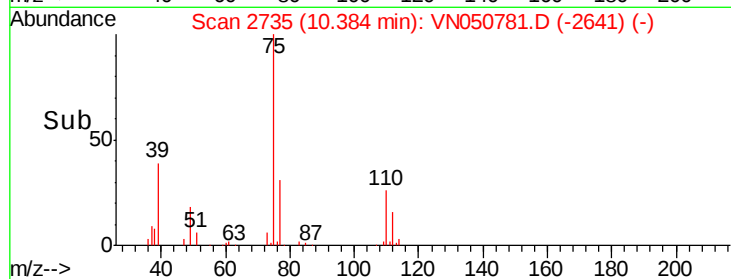
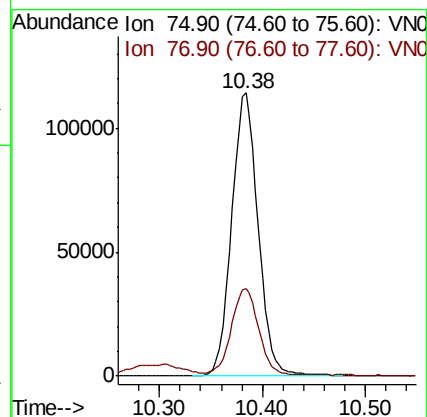
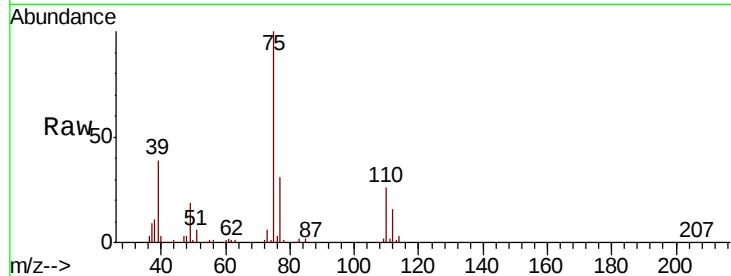
VSTDIC020

Tot Ion: 75 Resp: 204989

Ion Ratio Lower Upper

75 100

77 30.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.713 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

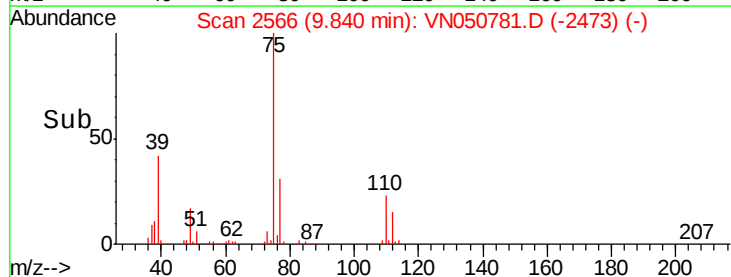
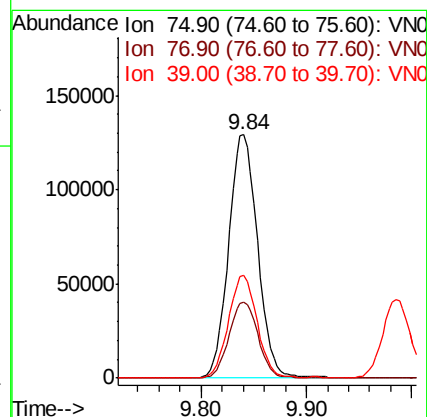
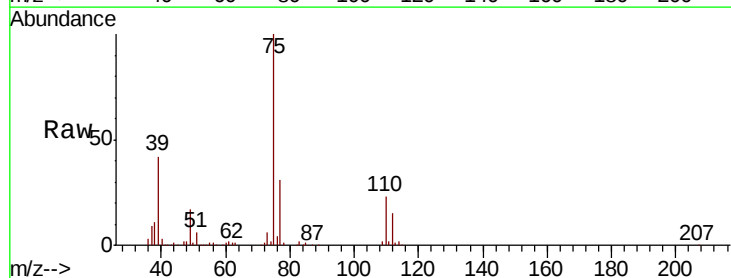
Tgt Ion: 75 Resp: 246095

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

39 41.9 33.0 49.4

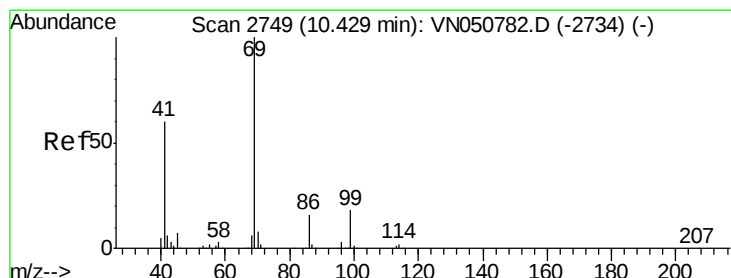
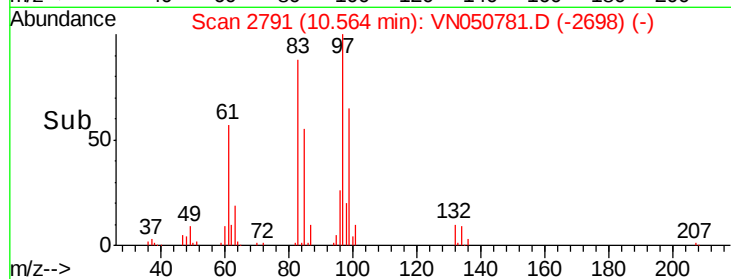
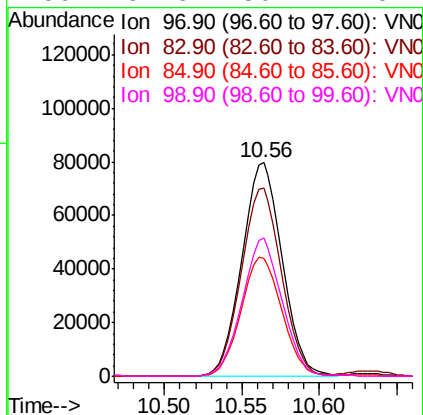
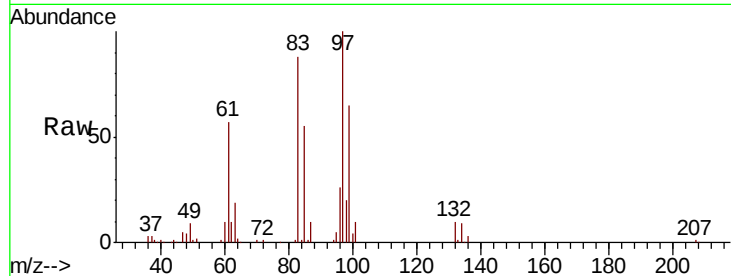




#55
 1,1,2-Trichloroethane
 Concen: 20.461 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

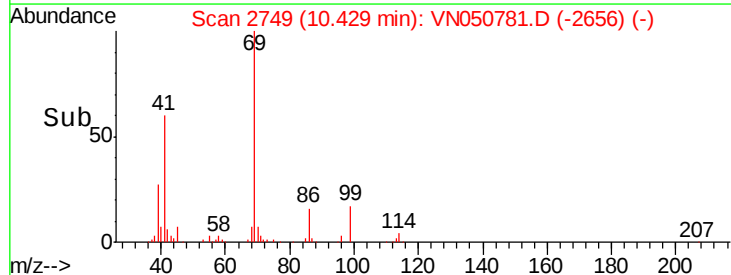
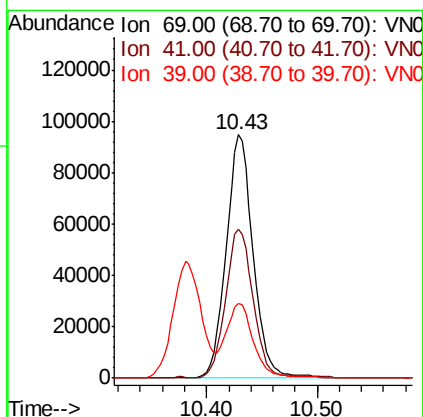
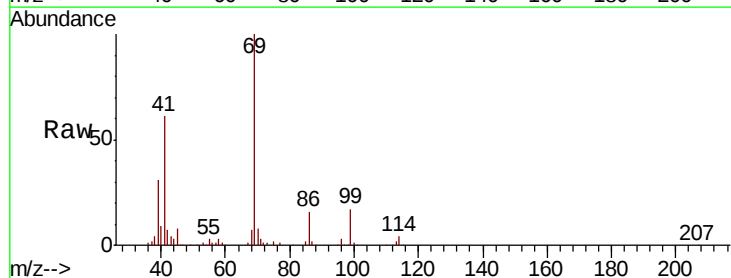
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

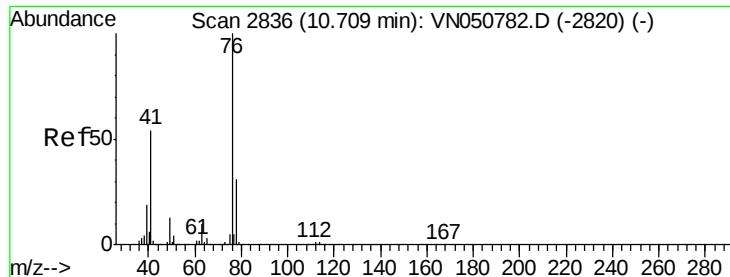
Tot Ion:	97	Resp:	144980
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.7	104.5
85	55.2	44.5	66.7
99	64.6	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 19.955 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion:	69	Resp:	160362
Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.3	72.5
39	30.7	24.0	36.0





#57

1,3-Dichloropropane

Concen: 20.433 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

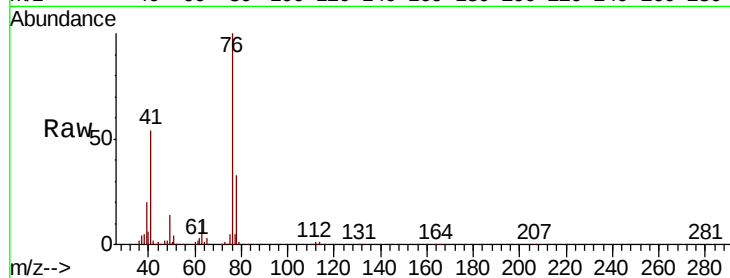
VSTDIC020

Tot Ion: 76 Resp: 238971

Ion Ratio Lower Upper

76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

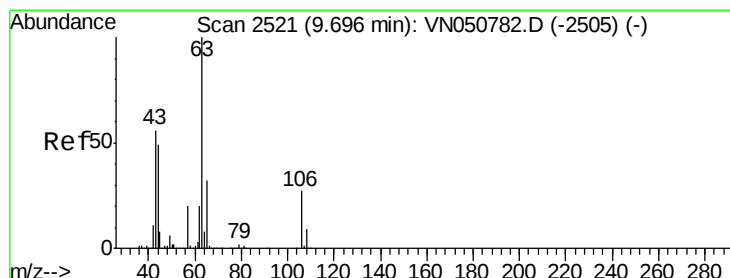
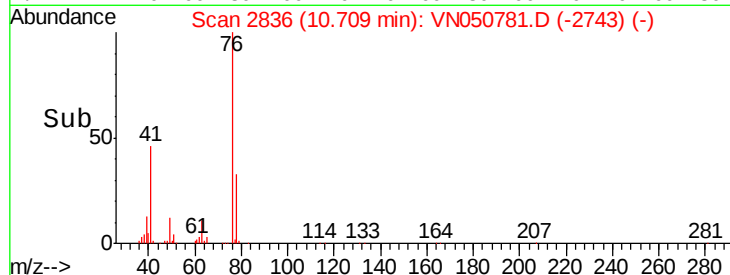
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.266 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050781.D

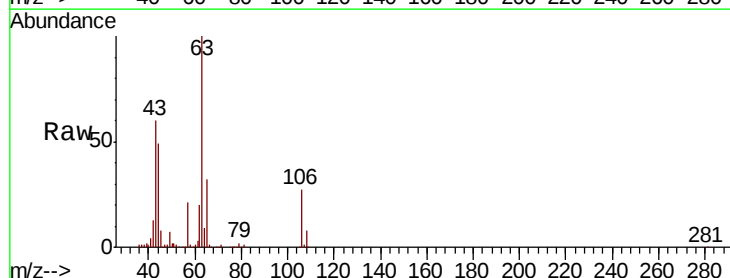
Acq: 21 Aug 2018 10:45

Tgt Ion: 63 Resp: 350918

Ion Ratio Lower Upper

63 100

106 27.1 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

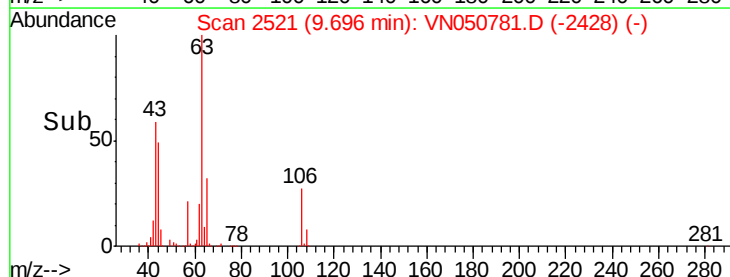
150000

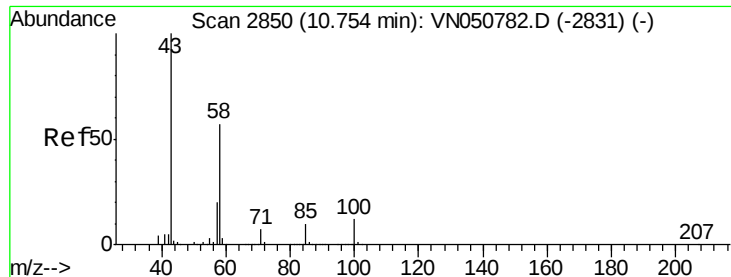
100000

50000

0

Time-->

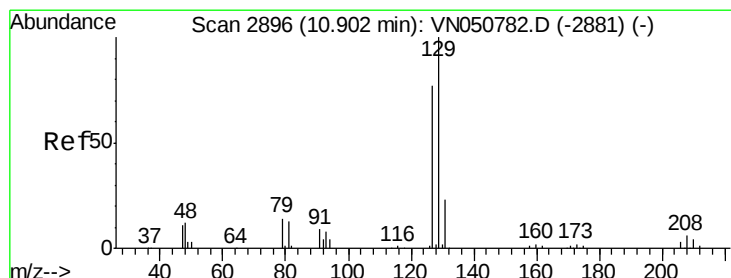
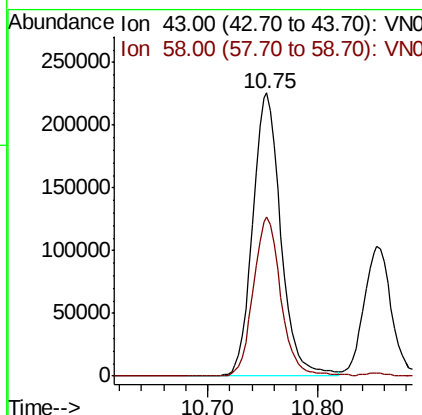
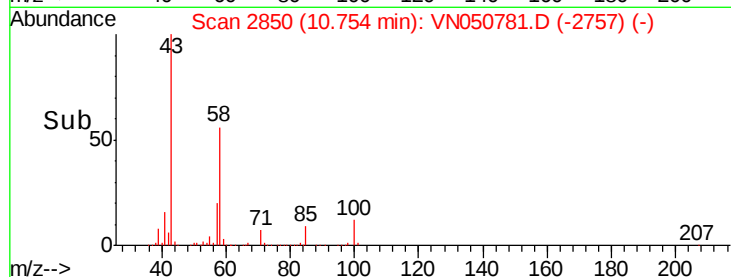
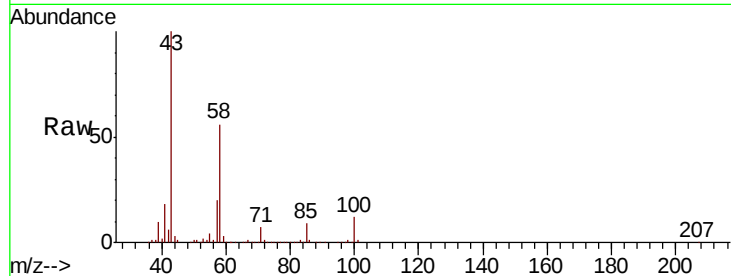




#59
2-Hexanone
Concen: 94.623 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

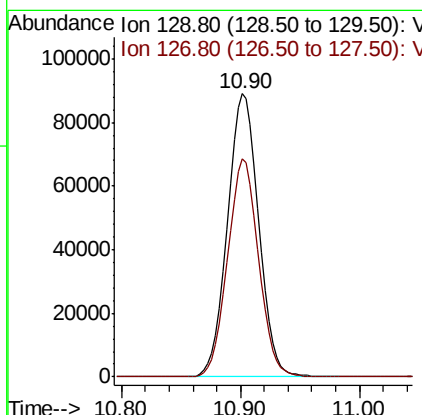
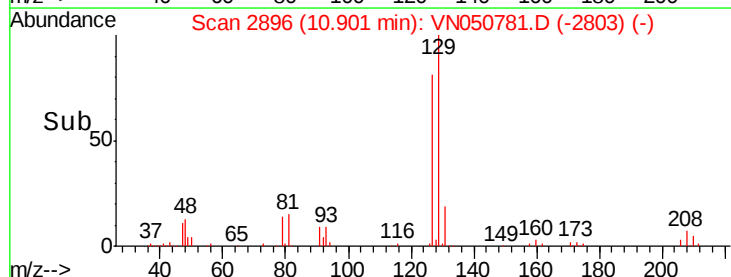
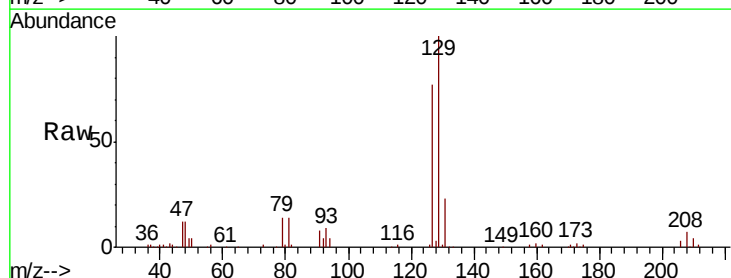
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

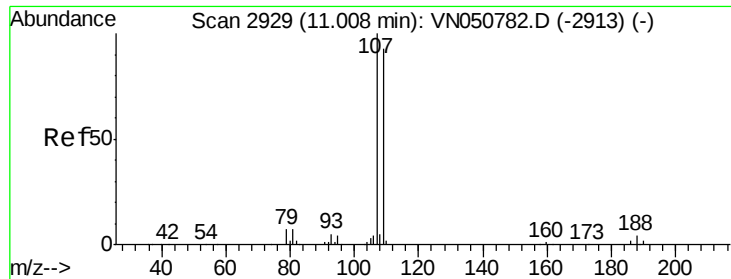
Tot Ion: 43 Resp: 396789
Ion Ratio Lower Upper
43 100
58 55.5 28.3 85.0



#60
Dibromochloromethane
Concen: 20.359 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 129 Resp: 161519
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9

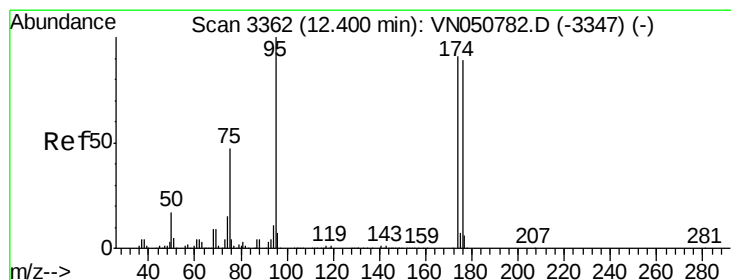
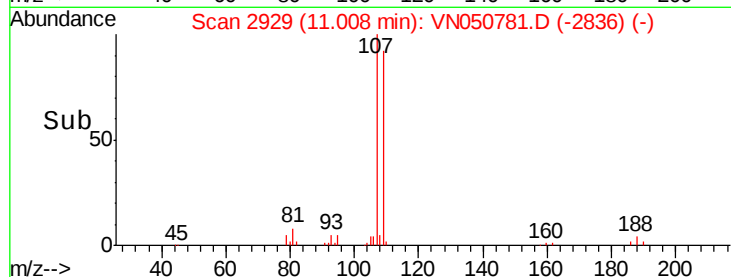
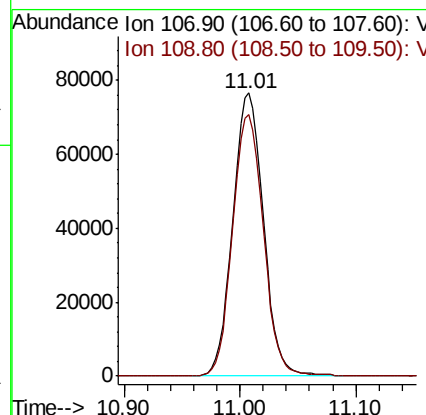
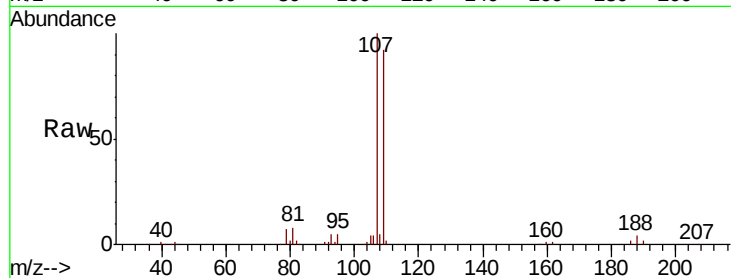




#61
1,2-Dibromoethane
Concen: 20.337 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

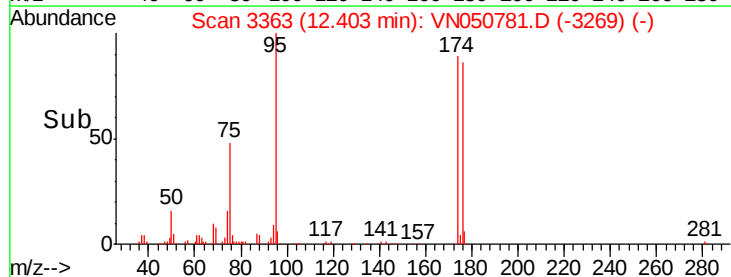
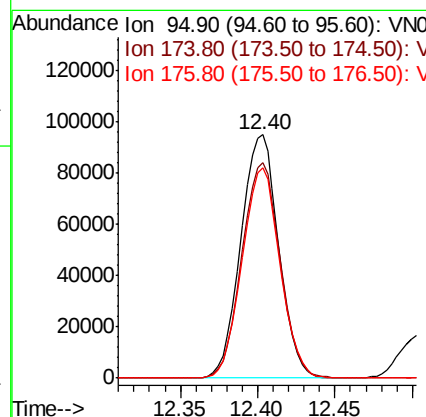
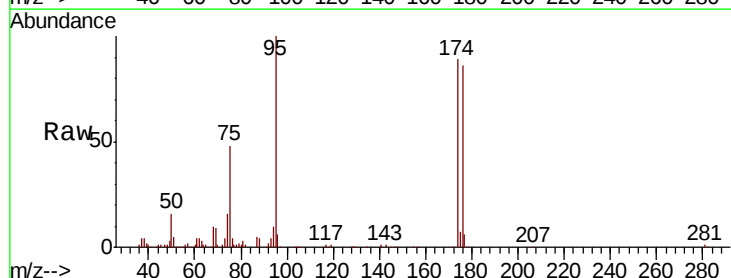
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

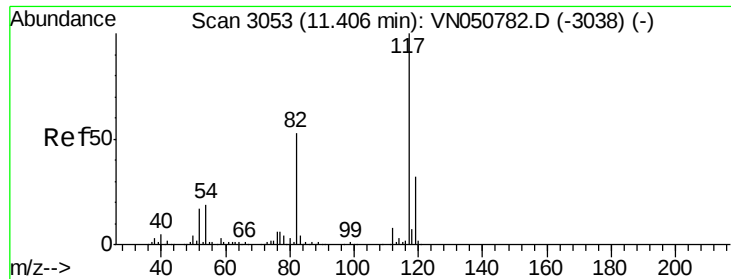
Tot Ion:107 Resp: 139345
Ion Ratio Lower Upper
107 100
109 93.3 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 17.995 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 95 Resp: 161085
Ion Ratio Lower Upper
95 100
174 89.7 0.0 183.0
176 86.7 0.0 178.8

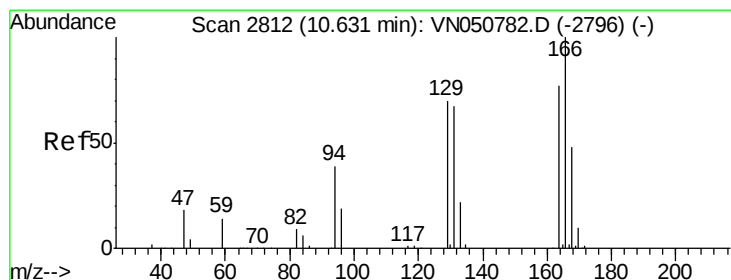
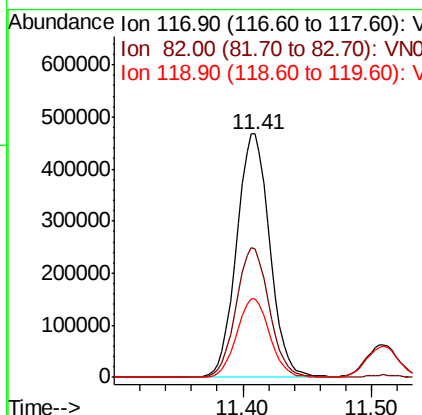
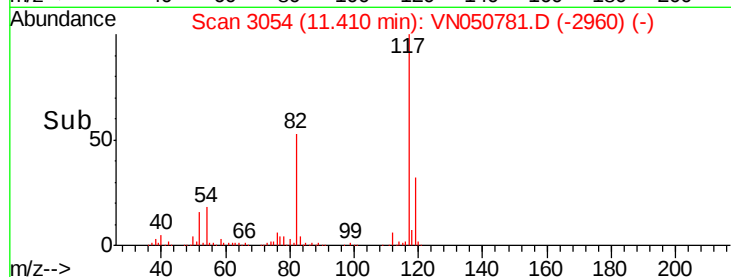
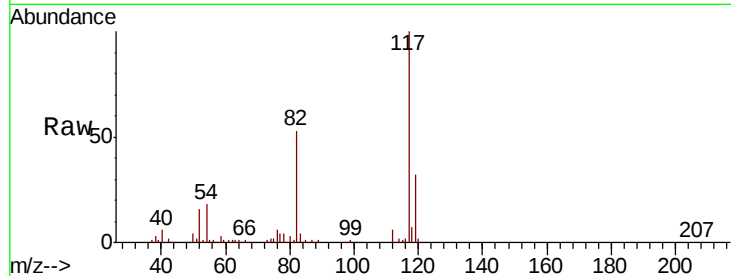




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

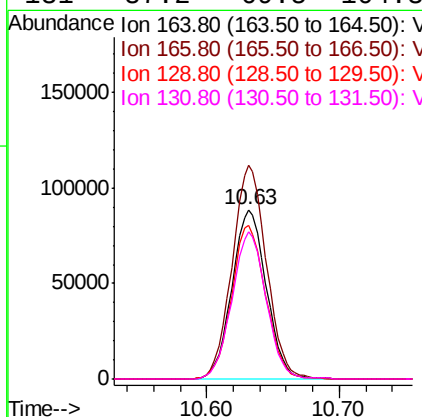
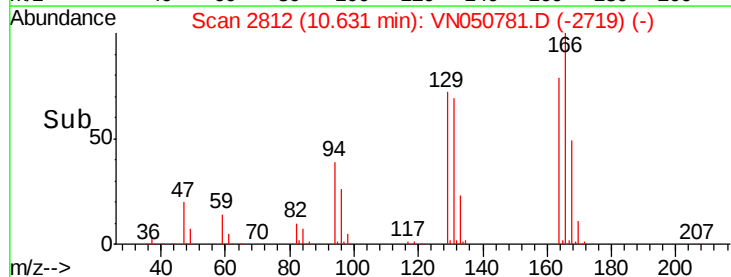
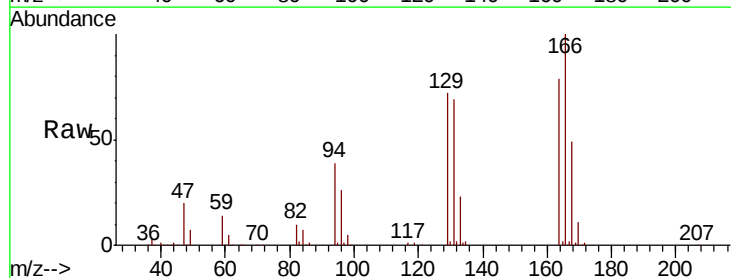
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

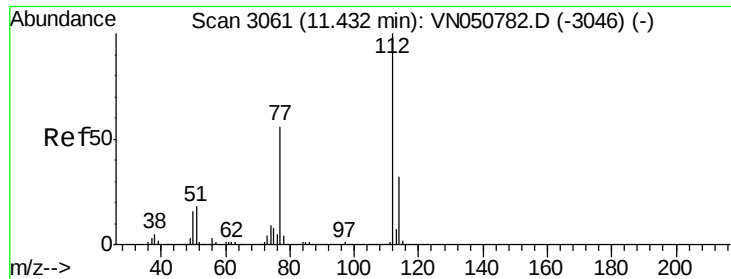
Tot Ion:117 Resp: 834511
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 20.082 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion:164 Resp: 159179
Ion Ratio Lower Upper
164 100
166 126.2 103.5 155.3
129 90.8 72.7 109.1
131 87.2 69.5 104.3





#65

Chlorobenzene

Concen: 19.859 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

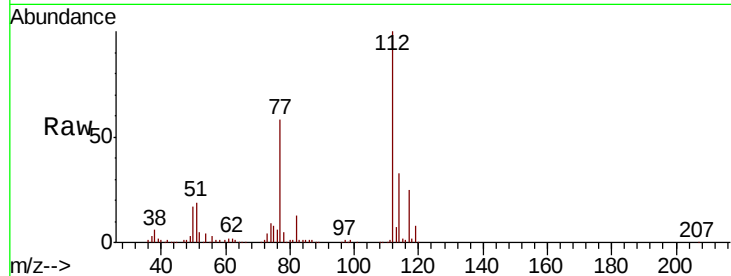
VSTDIC020

Tot Ion:112 Resp: 433168

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

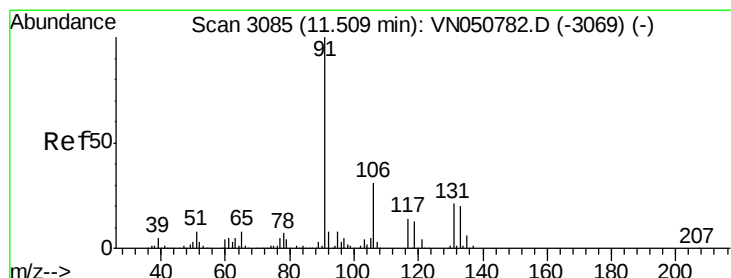
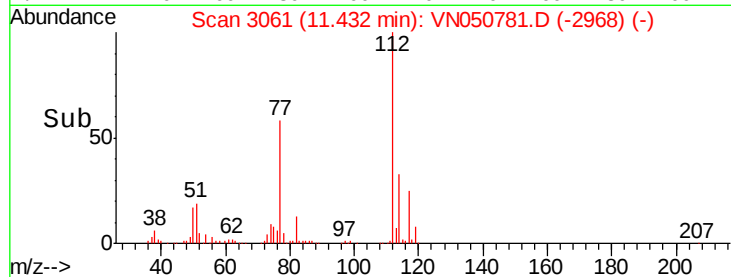
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.988 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

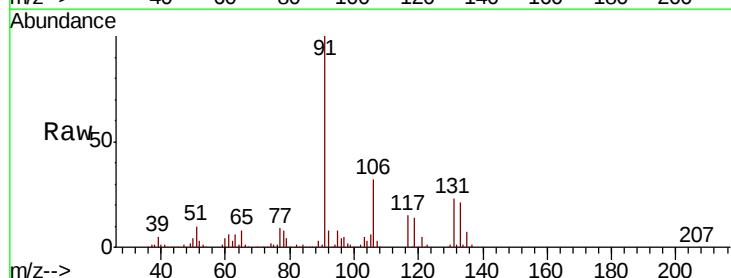
Tgt Ion:131 Resp: 159517

Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.3

119 66.1 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

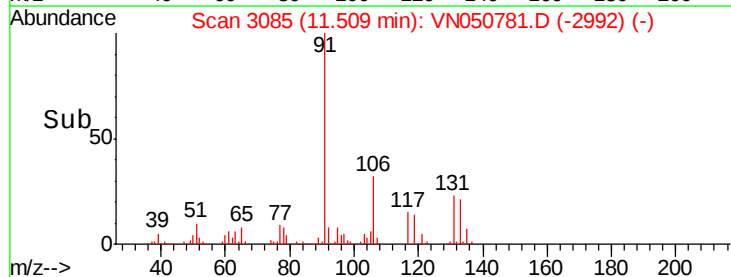
150000

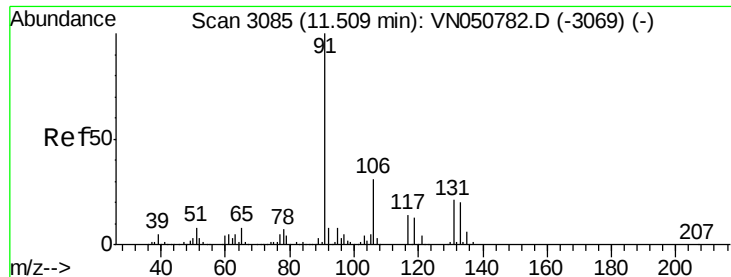
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.855 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

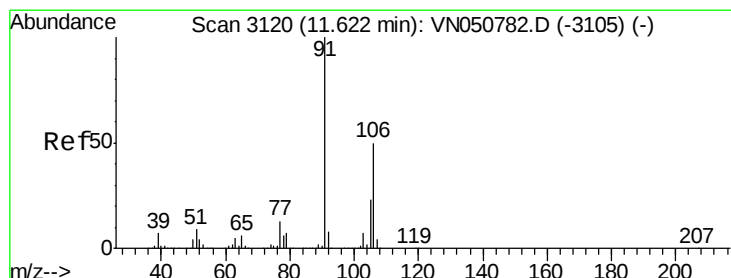
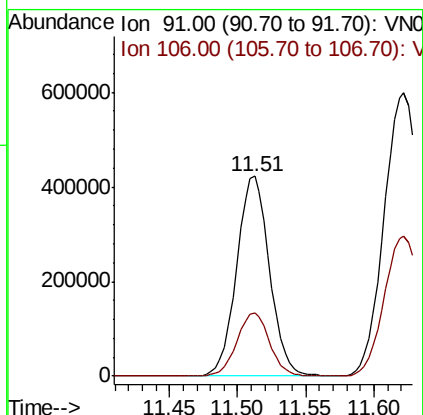
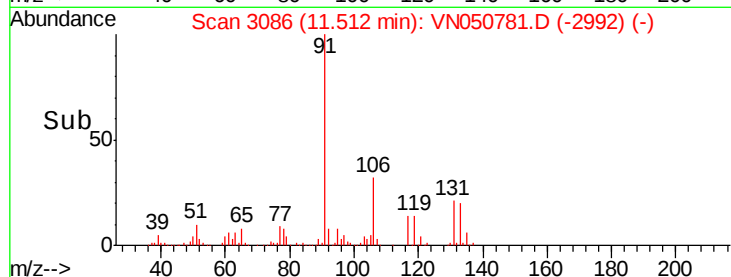
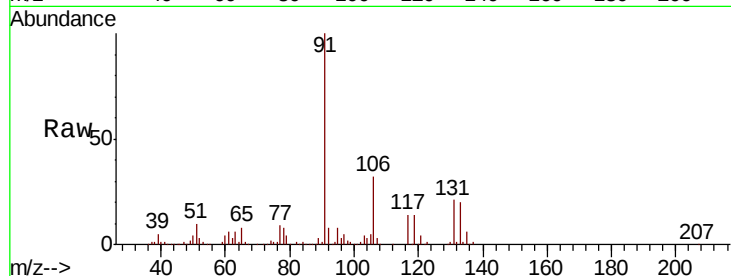
VSTDIC020

Tot Ion: 91 Resp: 704076

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 41.987 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050781.D

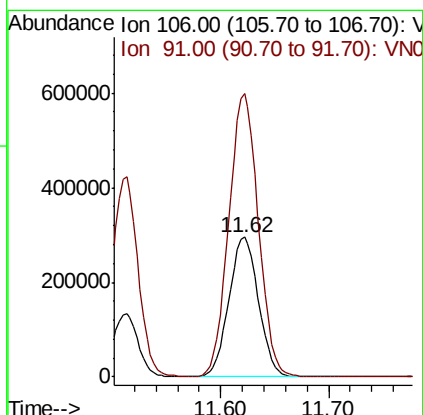
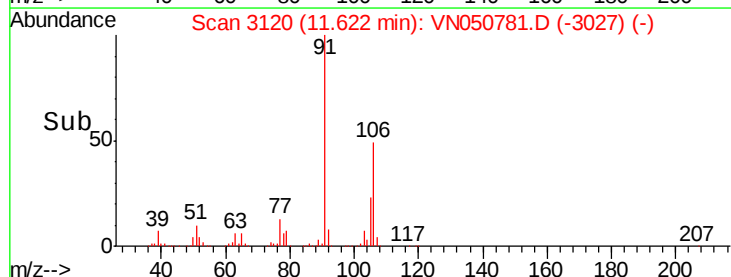
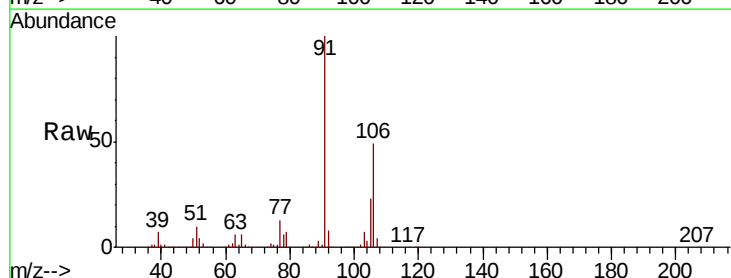
Acq: 21 Aug 2018 10:45

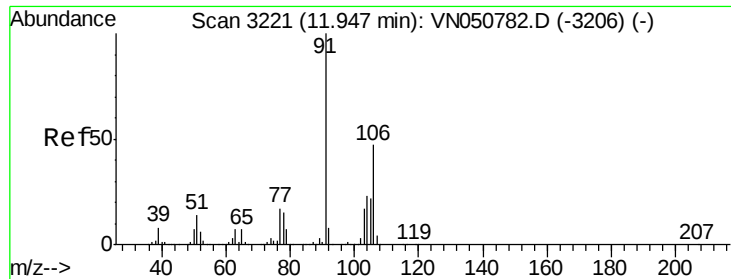
Tgt Ion: 106 Resp: 565143

Ion Ratio Lower Upper

106 100

91 202.0 161.0 241.6

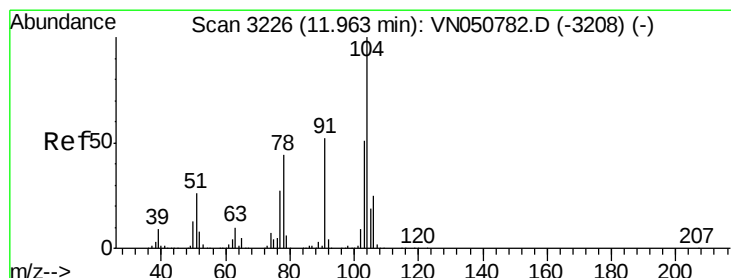
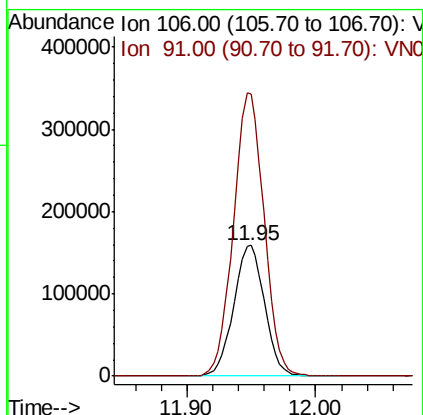
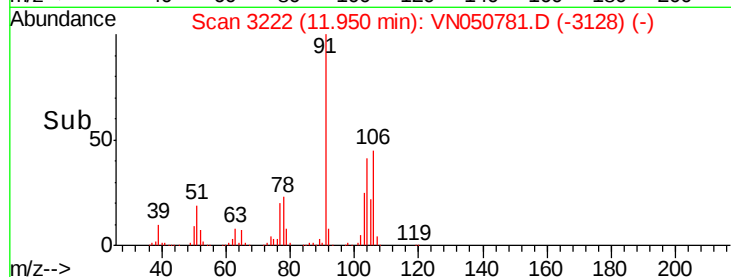
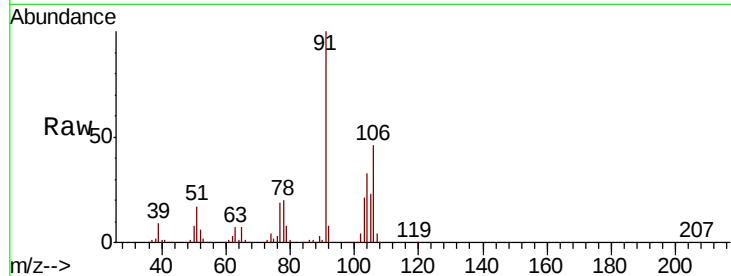




#69
o-Xylene
Concen: 20.354 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

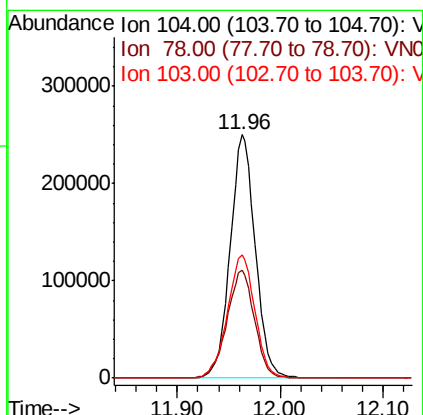
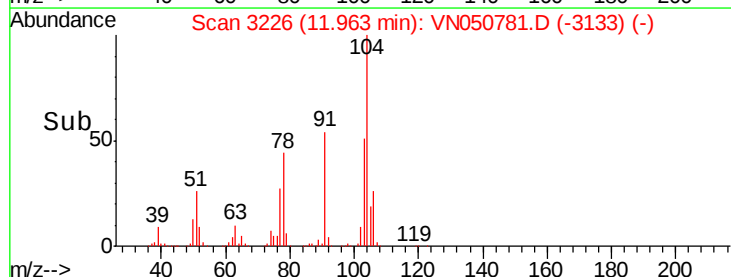
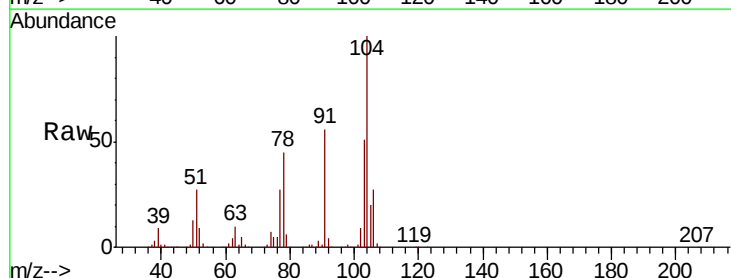
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

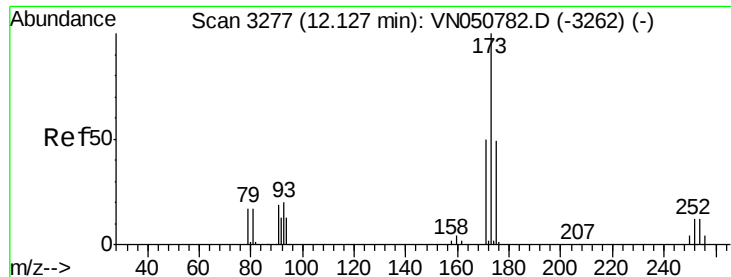
Tot Ion:106 Resp: 263386
Ion Ratio Lower Upper
106 100
91 216.1 106.5 319.5



#70
Styrene
Concen: 21.007 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion:104 Resp: 424959
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.4
103 55.4 44.4 66.6

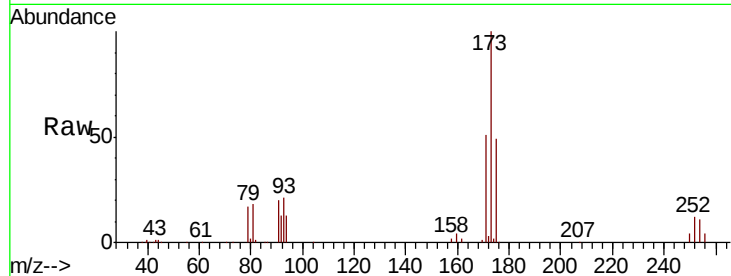




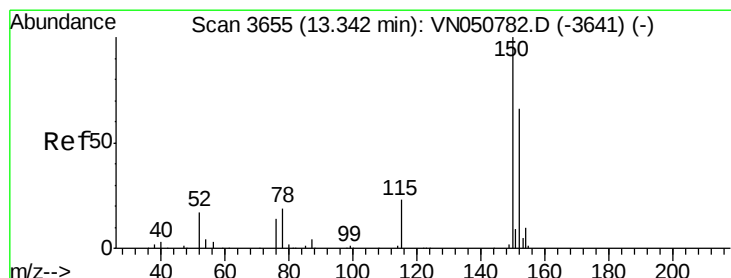
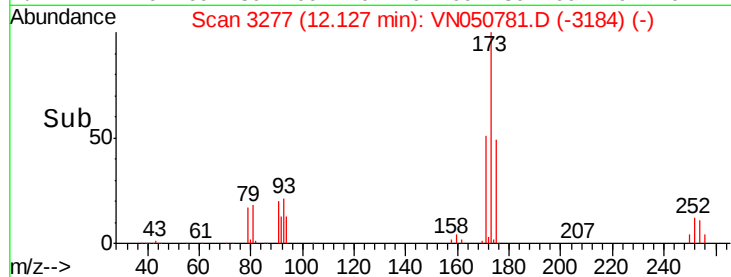
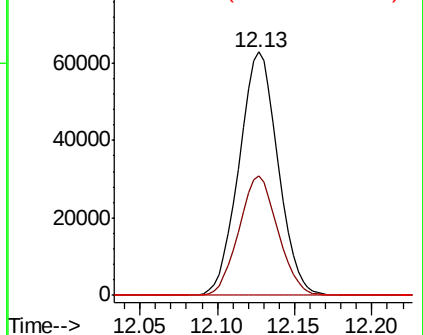
#71
Bromoform
Concen: 20.095 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 110286
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.4
254 0.0 0.1 0.1#

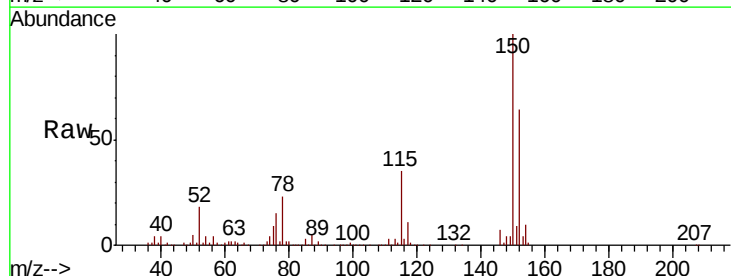


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

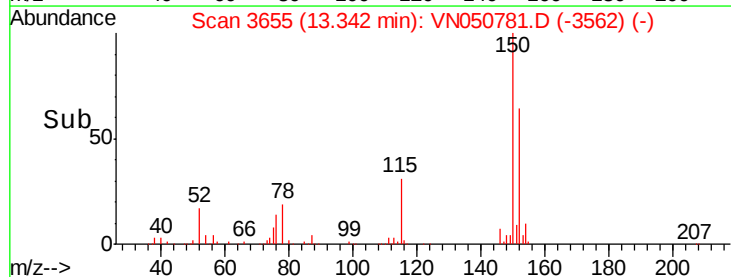
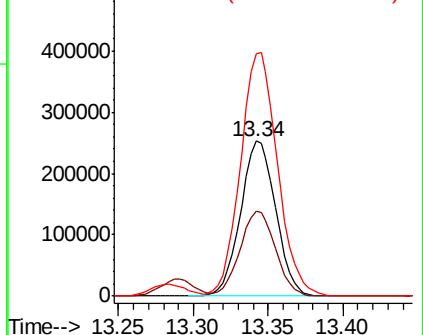


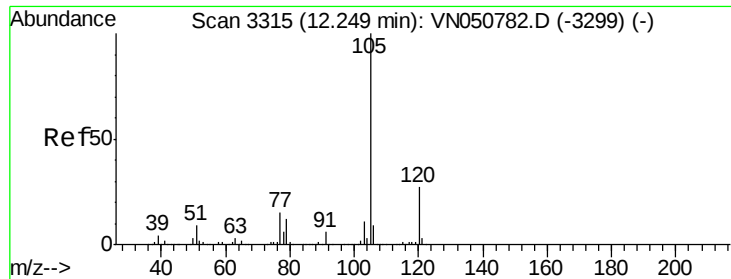
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion:152 Resp: 412971
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 165.7 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.466 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

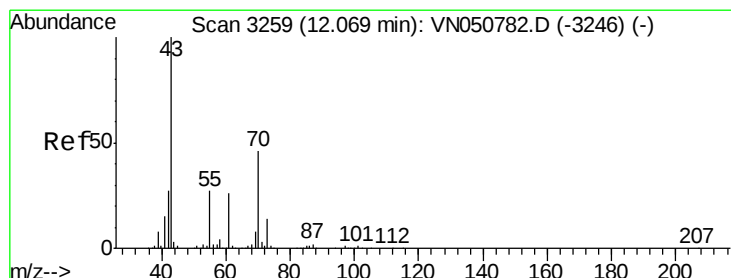
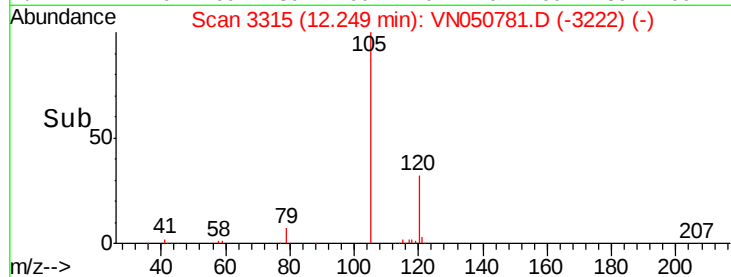
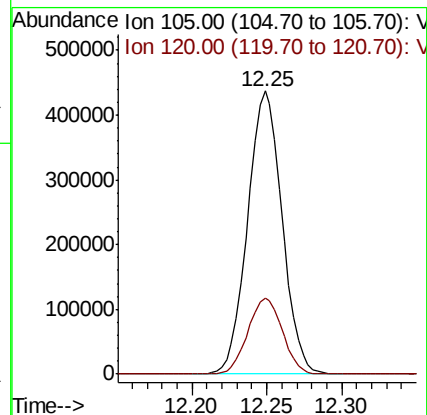
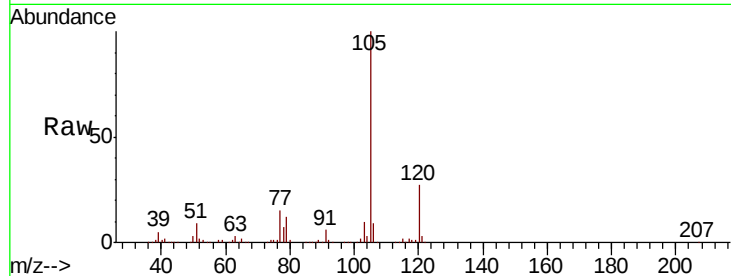
VSTDIC020

Tot Ion:105 Resp: 699841

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 19.630 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion: 43 Resp: 168666

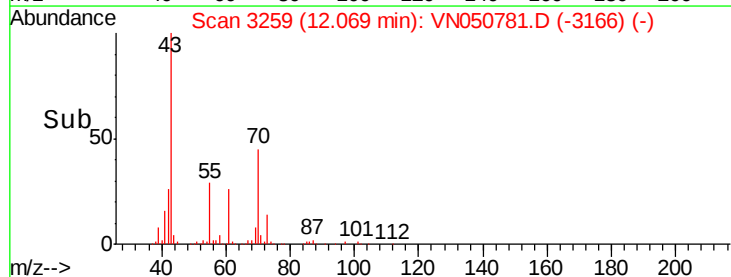
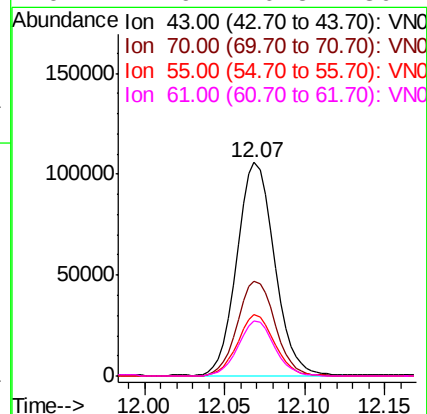
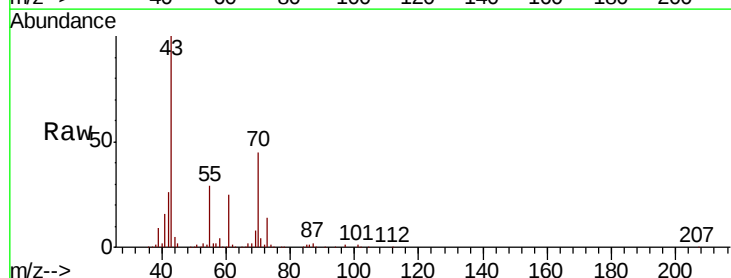
Ion Ratio Lower Upper

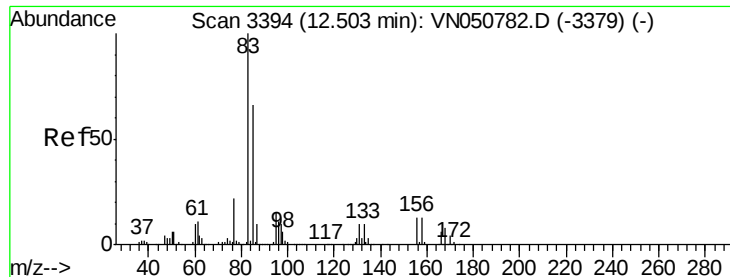
43 100

70 45.1 36.2 54.2

55 28.4 21.8 32.8

61 24.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.469 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

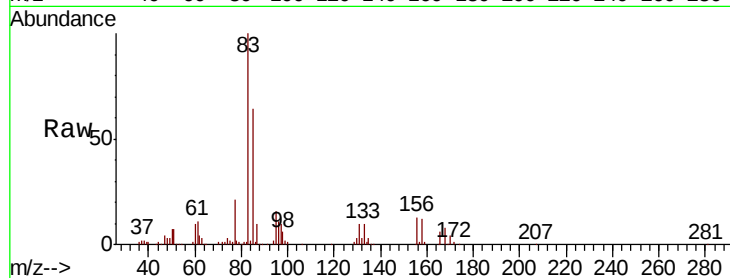
Tot Ion: 83 Resp: 179382

Ion Ratio Lower Upper

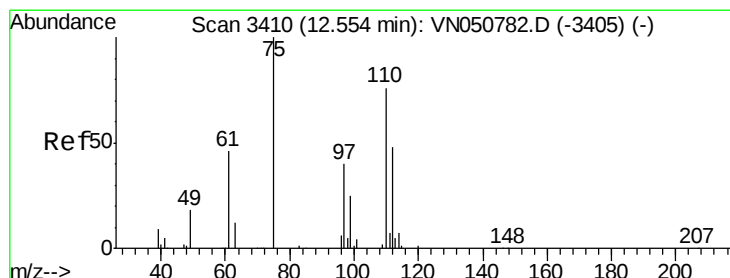
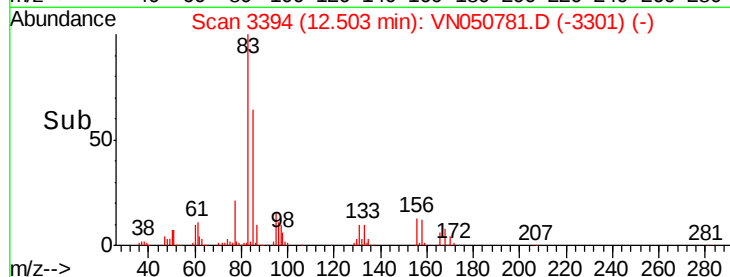
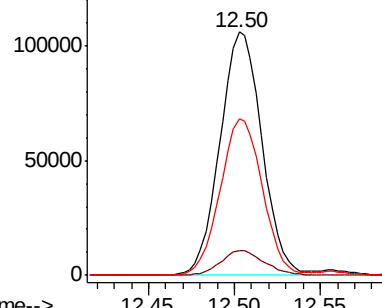
83 100

131 10.6 5.3 15.9

85 64.5 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.425 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050781.D

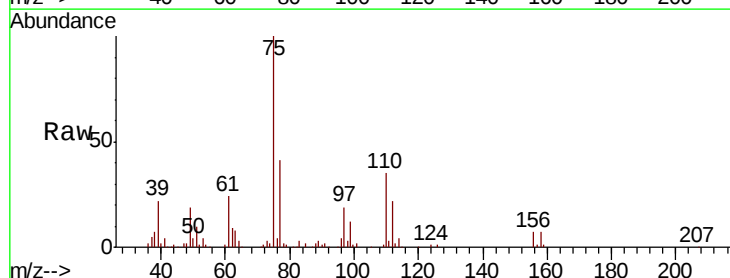
Acq: 21 Aug 2018 10:45

Tgt Ion: 75 Resp: 206030

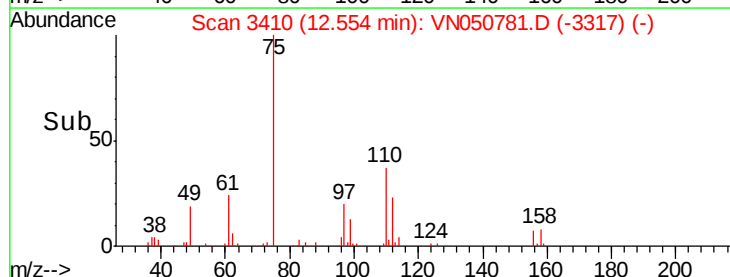
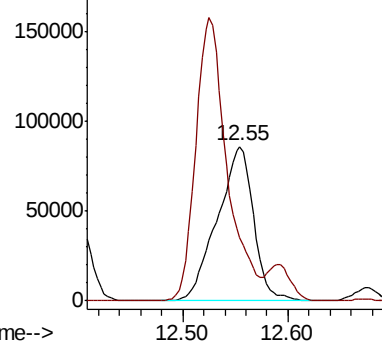
Ion Ratio Lower Upper

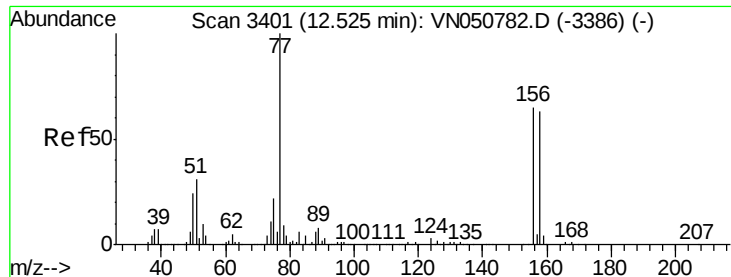
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.529 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

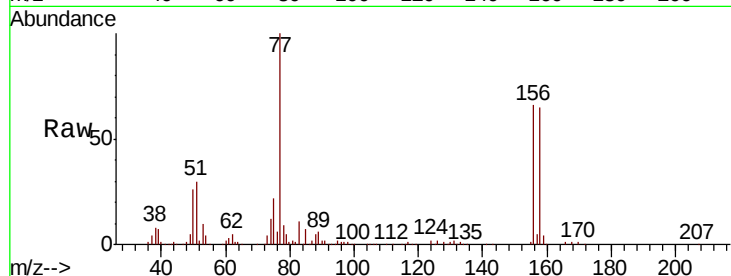
Tot Ion:156 Resp: 181488

Ion Ratio Lower Upper

156 100

77 178.7 89.9 269.7

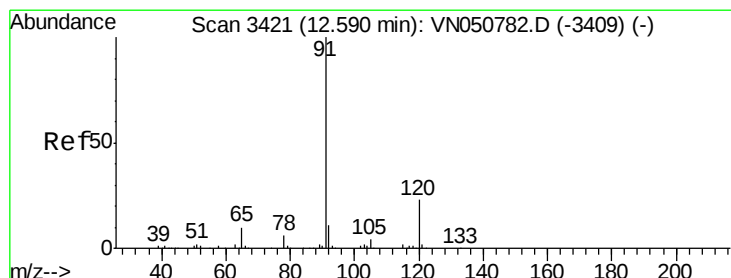
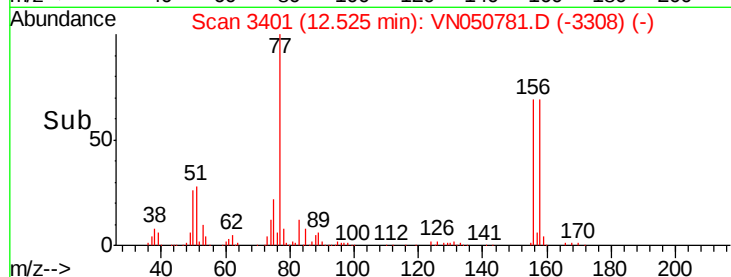
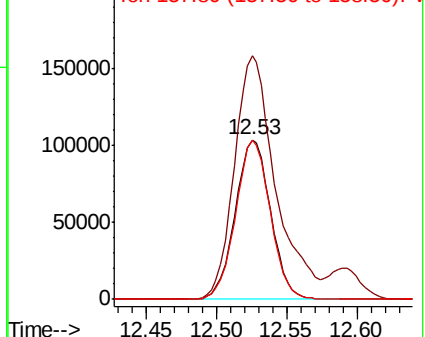
158 97.8 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.687 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050781.D

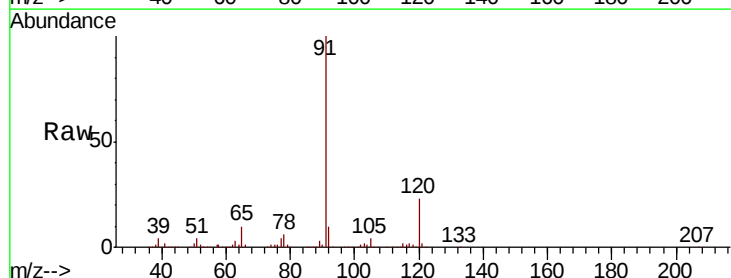
Acq: 21 Aug 2018 10:45

Tgt Ion: 91 Resp: 790238

Ion Ratio Lower Upper

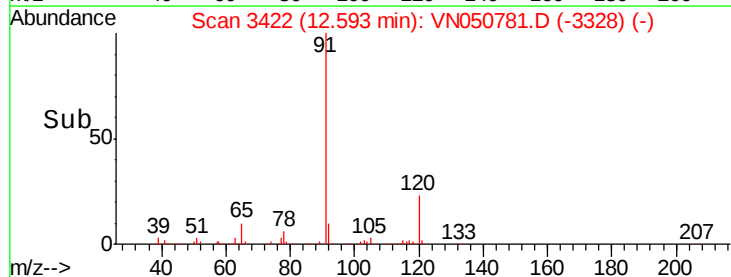
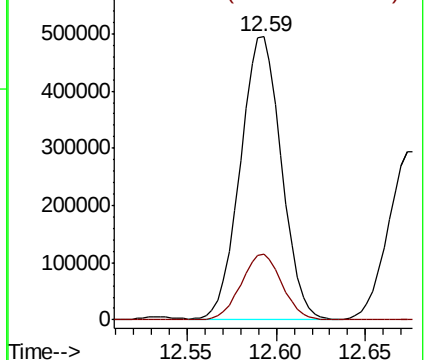
91 100

120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

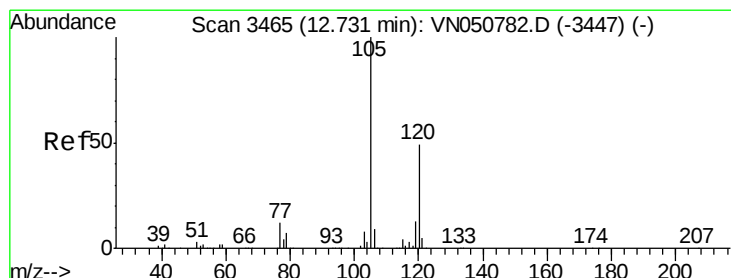
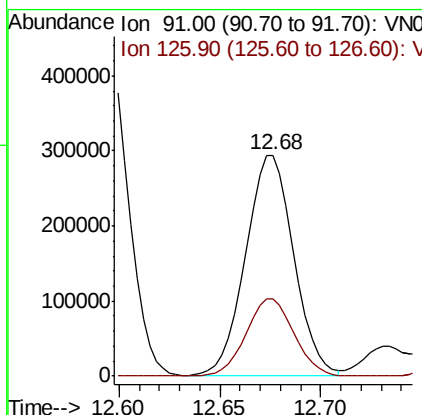
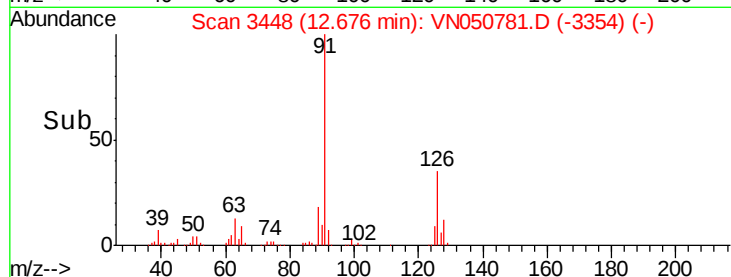
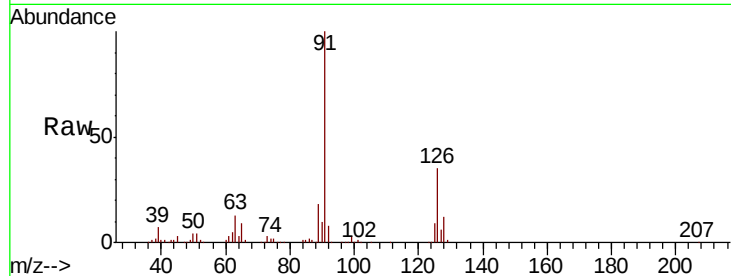




#79
 2-Chlorotoluene
 Concen: 20.544 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

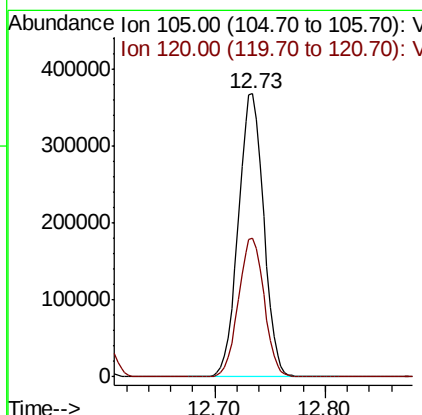
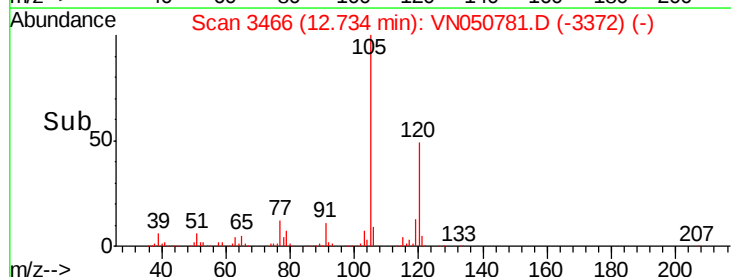
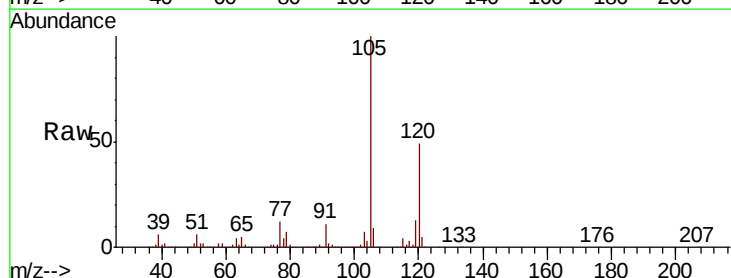
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 488827
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.182 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion: 105 Resp: 584460
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.447 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

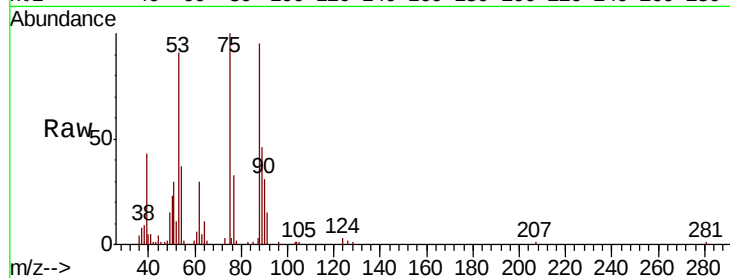
Tot Ion: 75 Resp: 41610

Ion Ratio Lower Upper

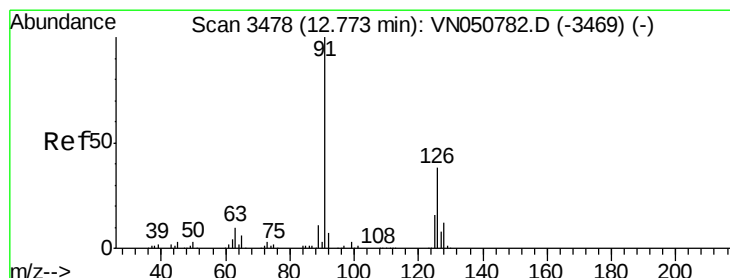
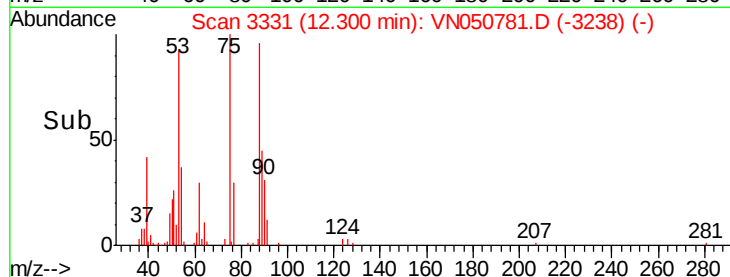
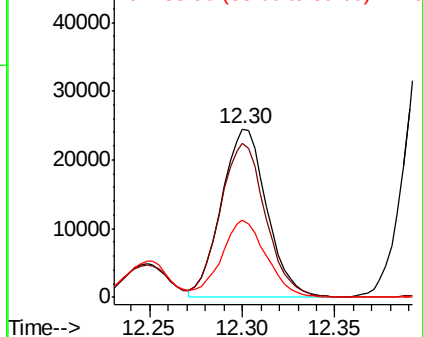
75 100

53 91.8 68.9 103.3

89 45.4 36.1 54.1



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



#82

4-Chlorotoluene

Concen: 20.672 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050781.D

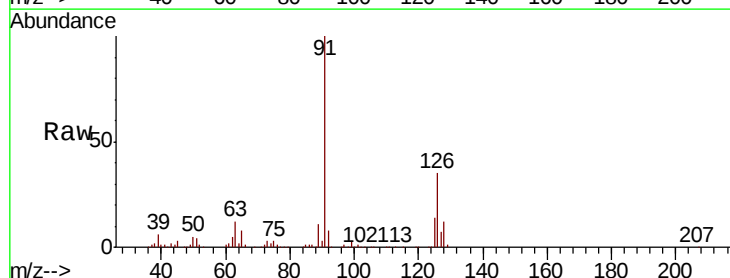
Acq: 21 Aug 2018 10:45

Tgt Ion: 91 Resp: 485582

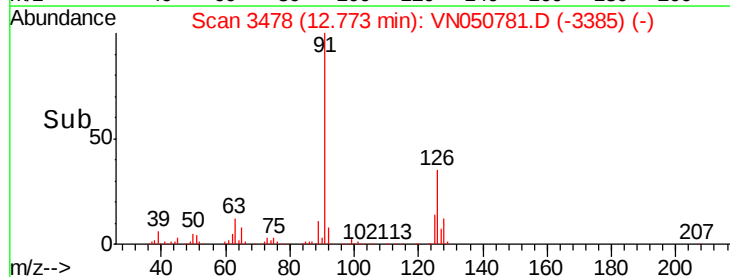
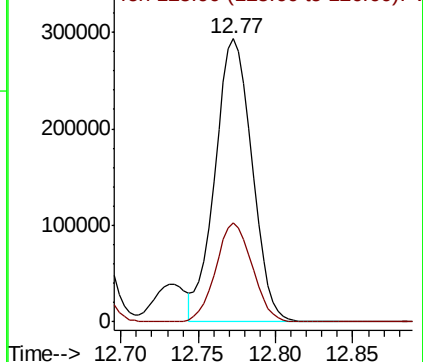
Ion Ratio Lower Upper

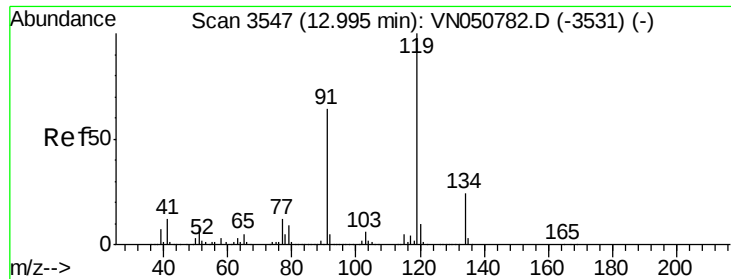
91 100

126 34.6 17.5 52.5



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





#83

tert-Butylbenzene

Concen: 20.319 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

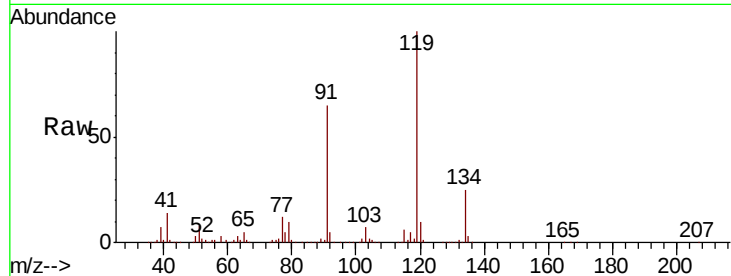
Tot Ion:119 Resp: 485545

Ion Ratio Lower Upper

119 100

91 63.8 31.6 94.7

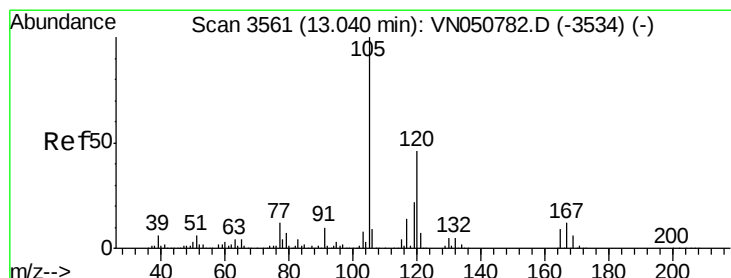
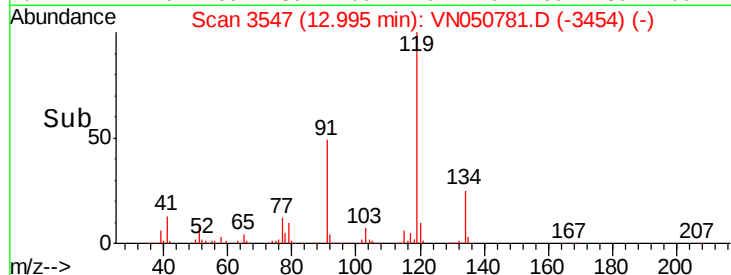
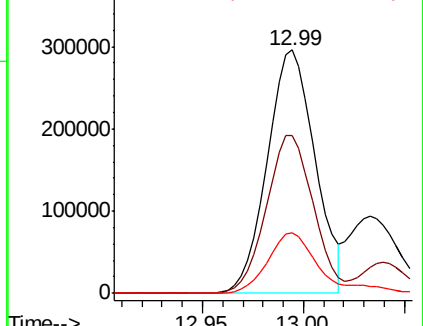
134 27.4 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.412 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050781.D

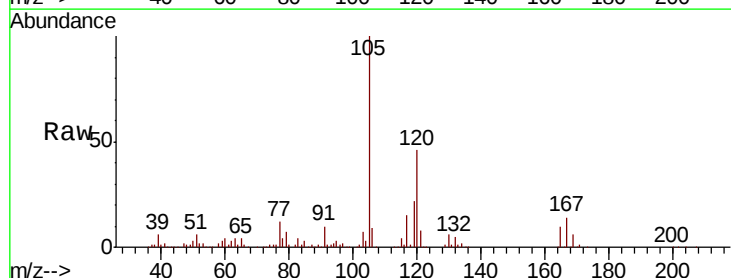
Acq: 21 Aug 2018 10:45

Tgt Ion:105 Resp: 594277

Ion Ratio Lower Upper

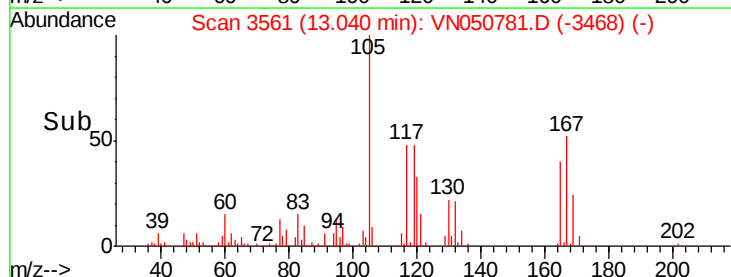
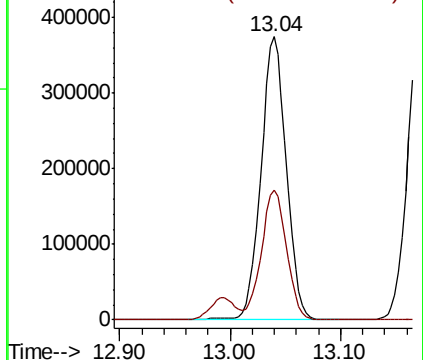
105 100

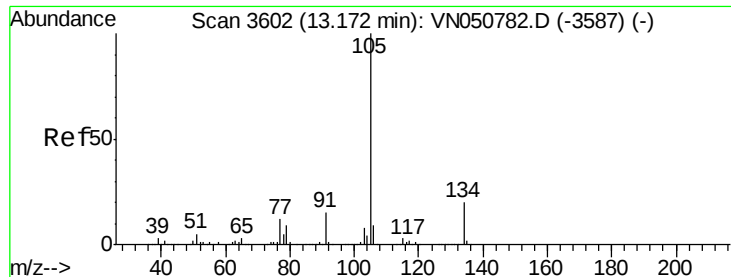
120 45.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.852 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

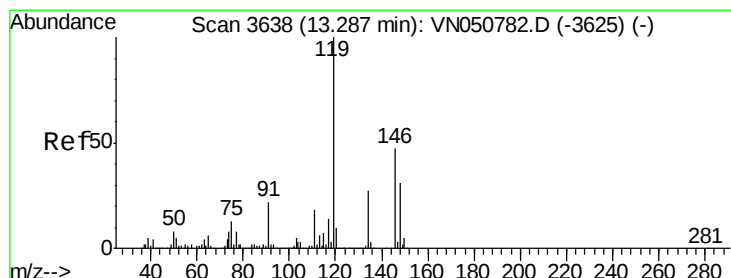
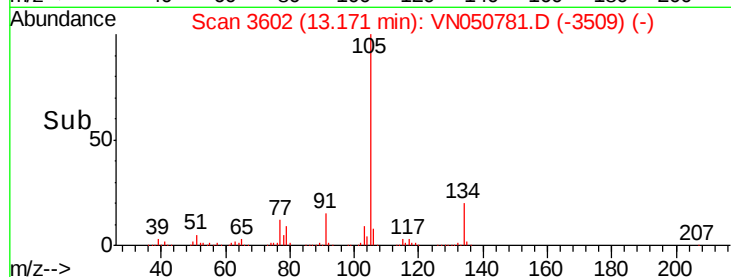
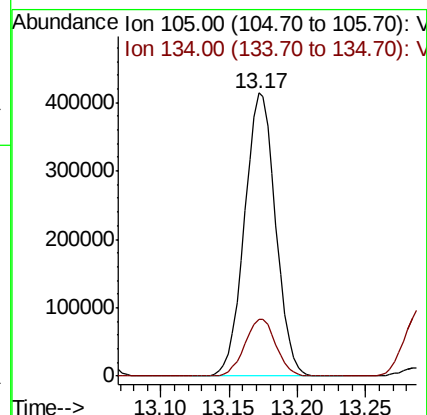
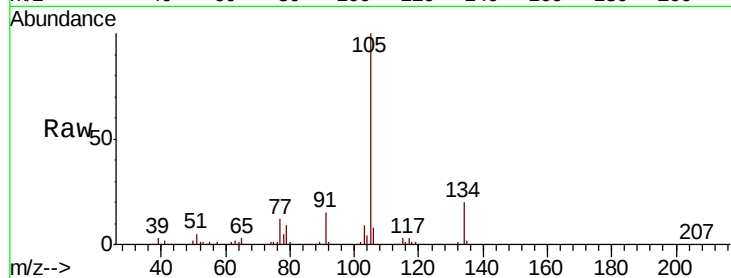
VSTDIC020

Tot Ion:105 Resp: 652929

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.987 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

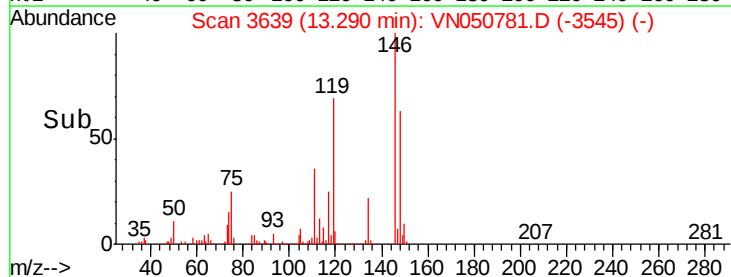
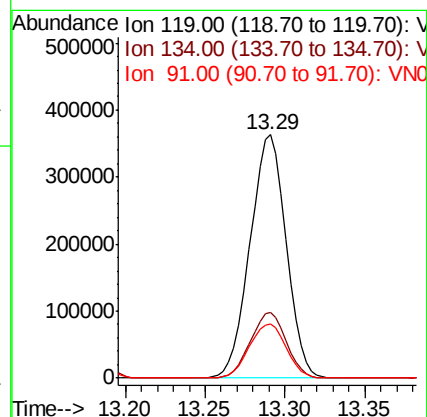
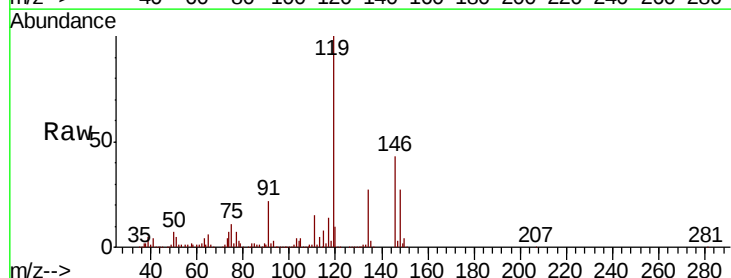
Tgt Ion:119 Resp: 559941

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 22.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.966 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

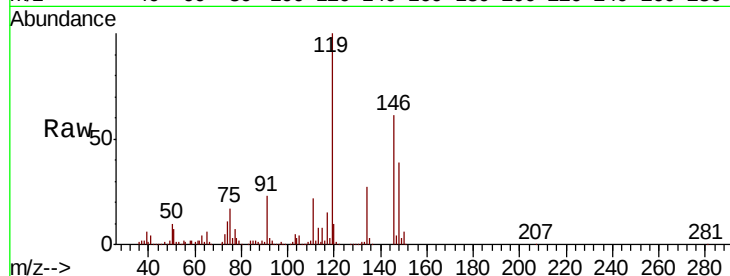
Tot Ion:146 Resp: 314883

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.3

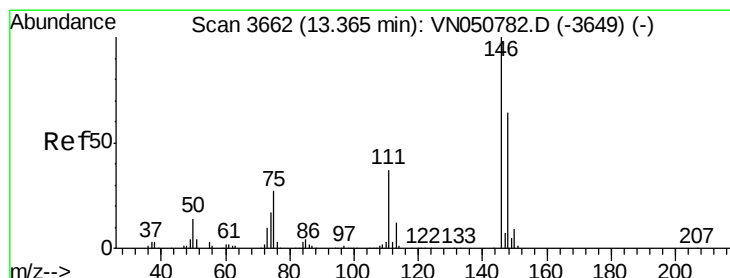
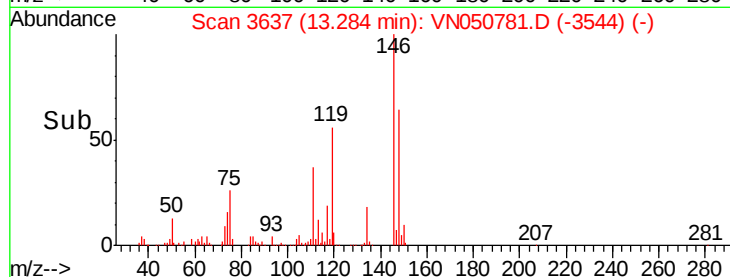
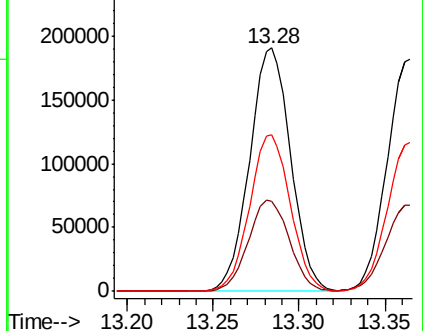
148 63.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.553 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

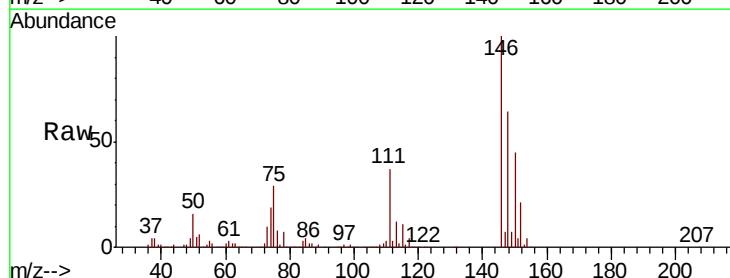
Tgt Ion:146 Resp: 303493

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.3

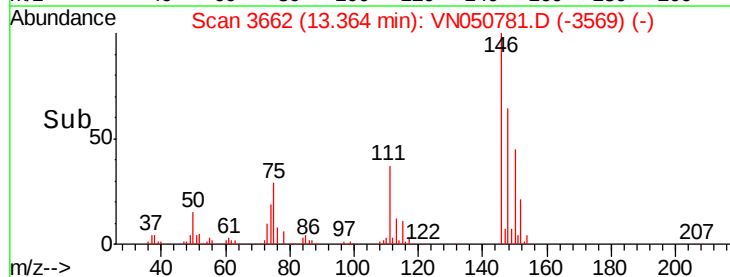
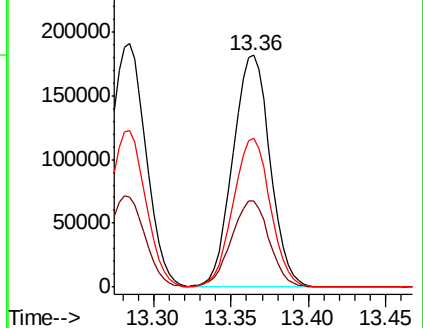
148 64.1 32.2 96.6

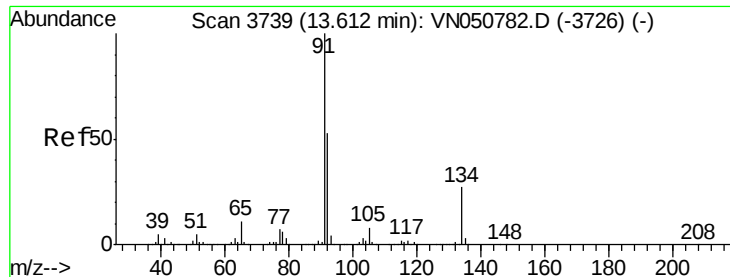


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

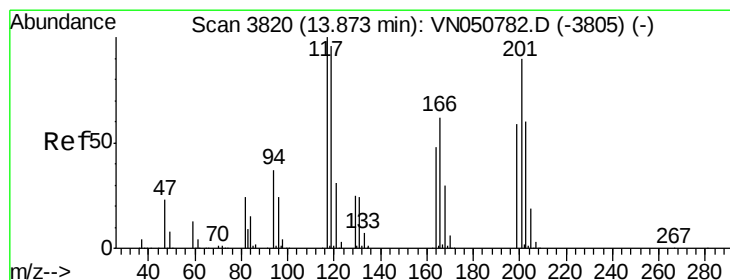
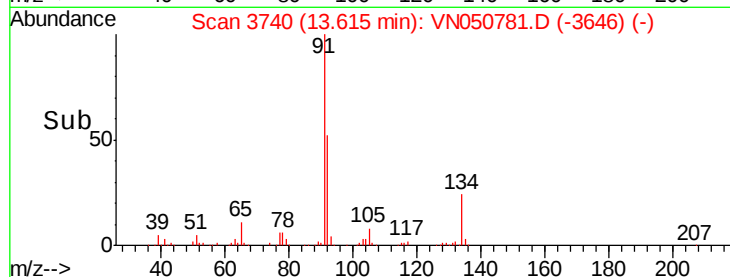
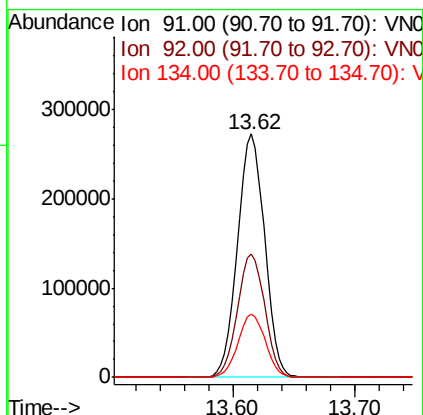
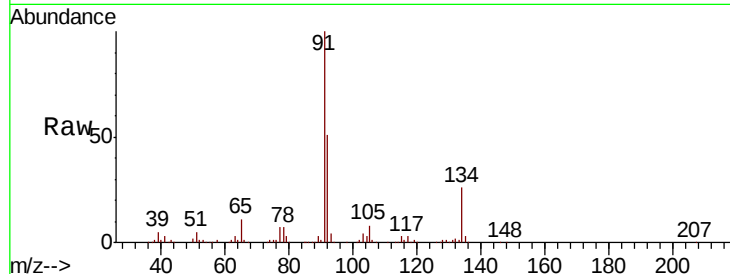




#89
n-Butylbenzene
Concen: 19.652 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

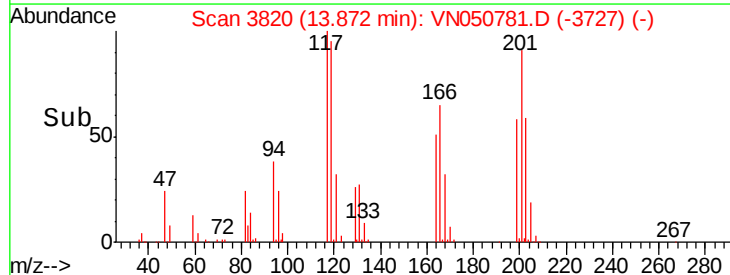
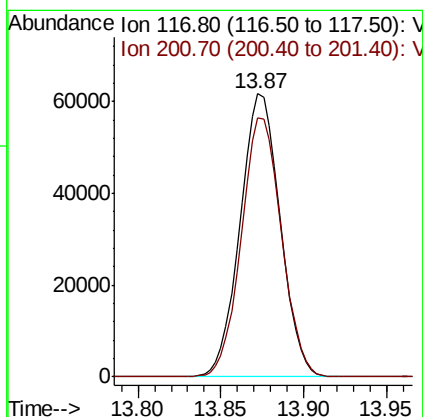
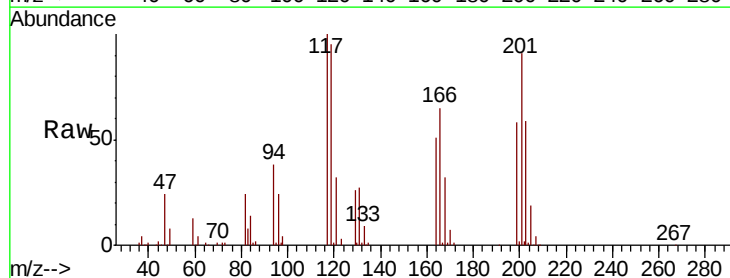
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

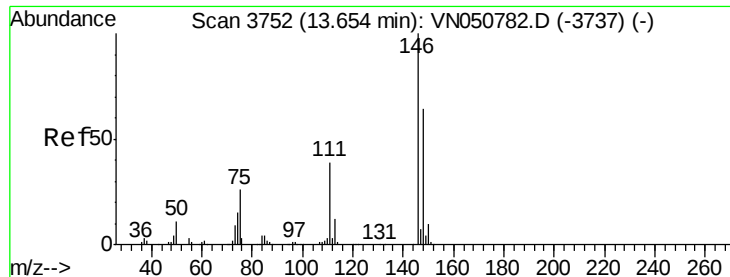
Tot Ion: 91 Resp: 419362
Ion Ratio Lower Upper
91 100
92 50.8 26.1 78.2
134 25.9 13.2 39.6



#90
Hexachloroethane
Concen: 18.744 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 117 Resp: 103507
Ion Ratio Lower Upper
117 100
201 91.6 46.0 137.8

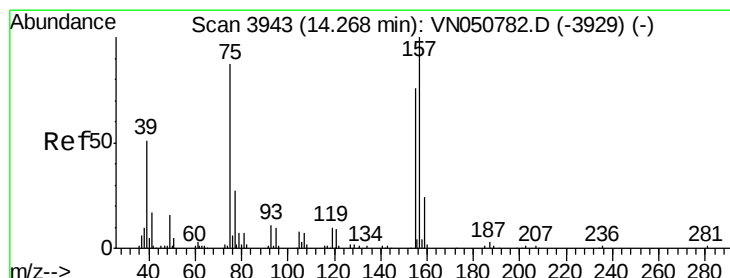
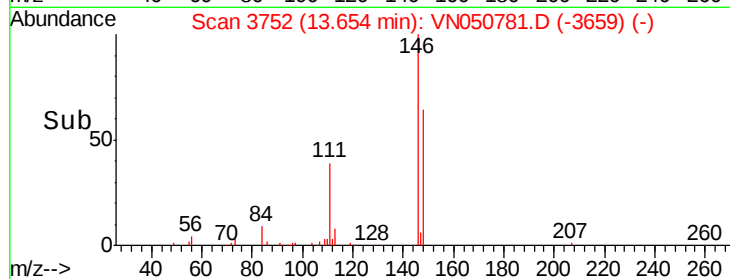
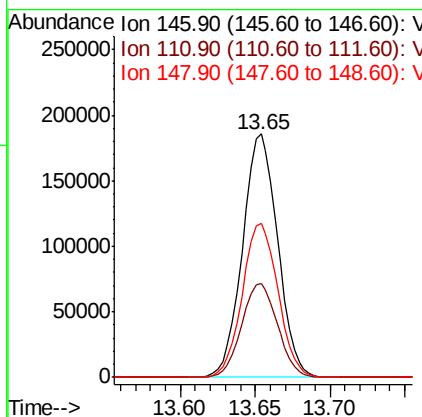
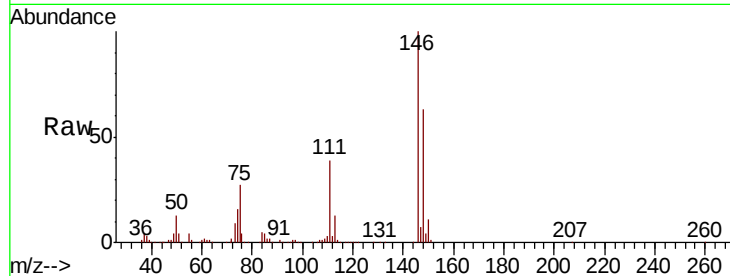




#91
 1,2-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

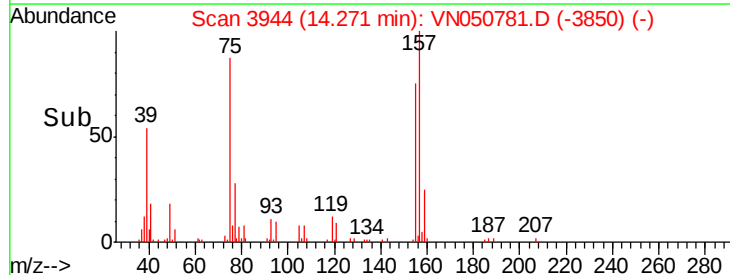
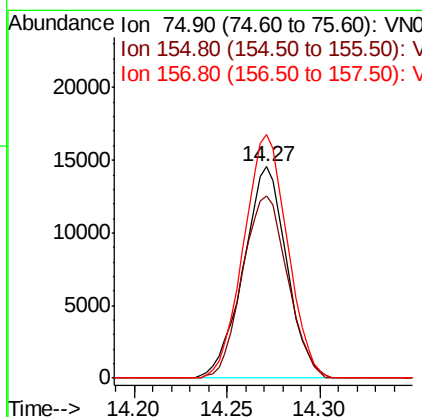
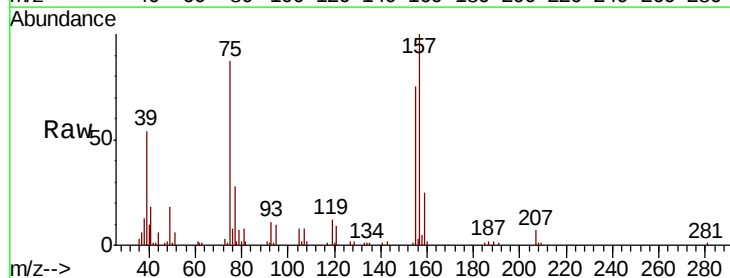
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

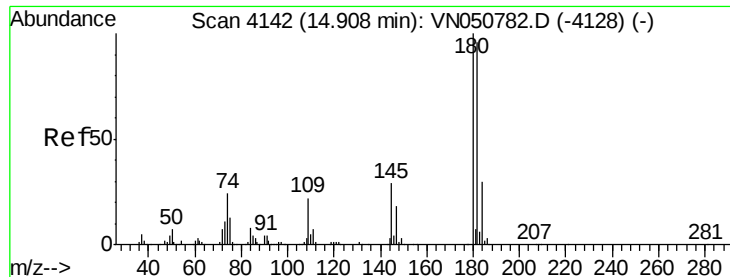
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.4	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.179 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.4	139.1
157	116.6	60.7	182.0

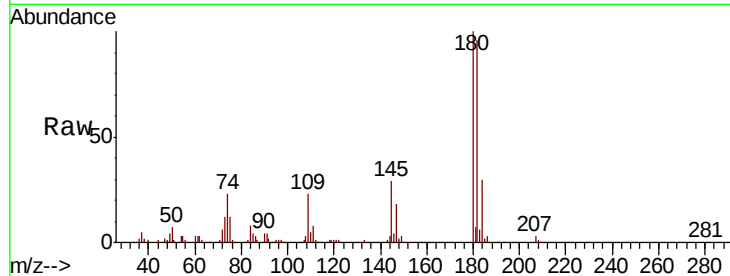




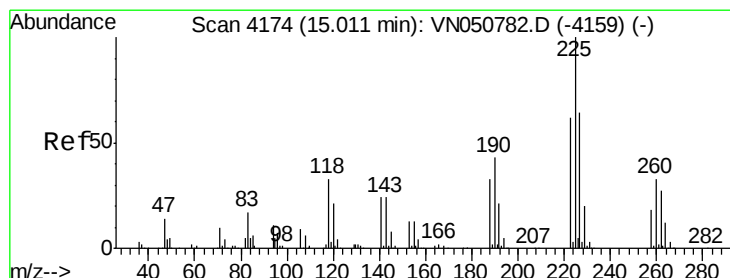
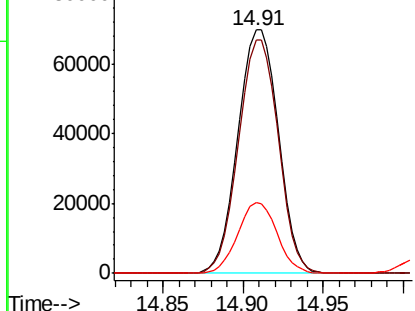
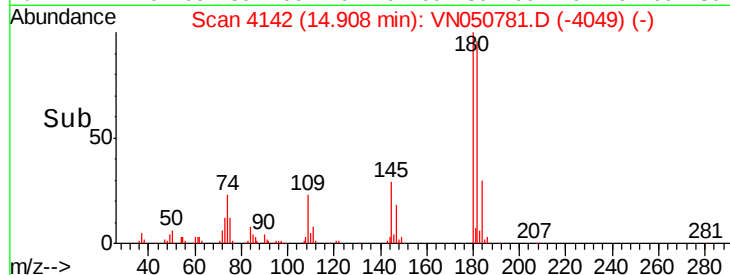
#93
 1,2,4-Trichlorobenzene
 Concen: 18.166 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.2	144.6
145	28.2	14.1	42.2

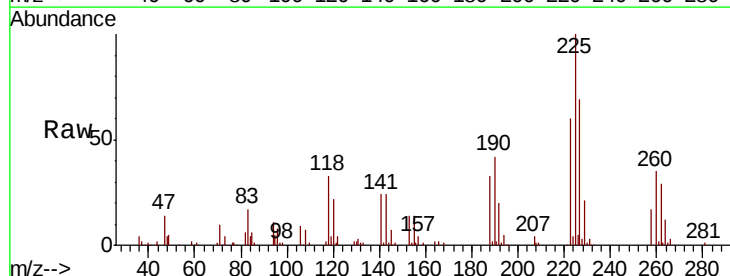


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

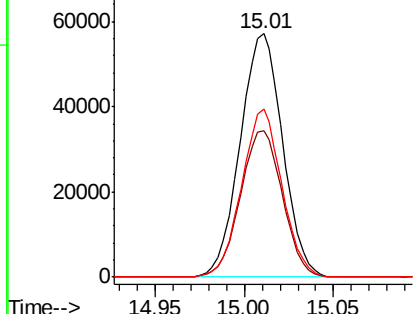
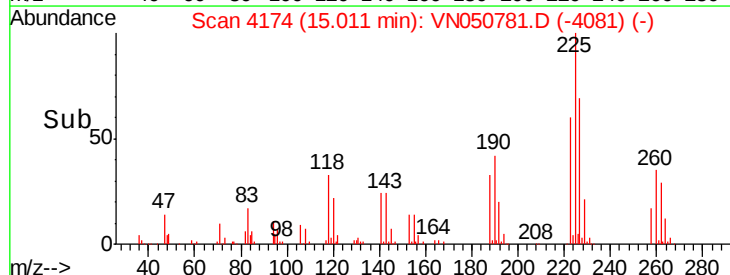


#94
 Hexachlorobutadiene
 Concen: 19.171 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.6	31.3	93.8
227	65.5	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

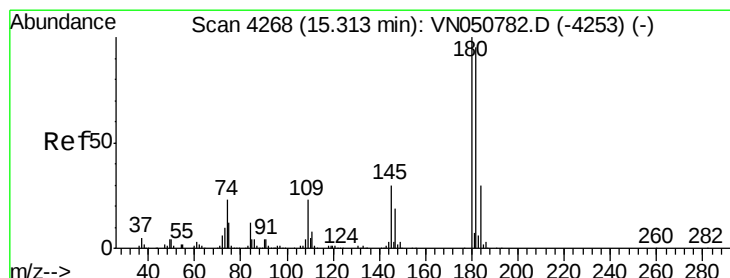
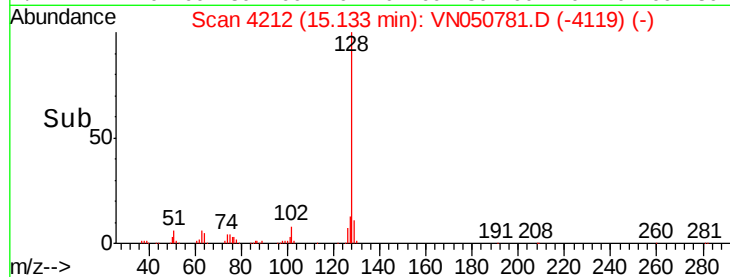
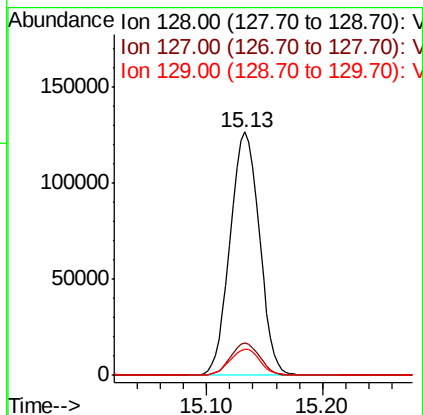
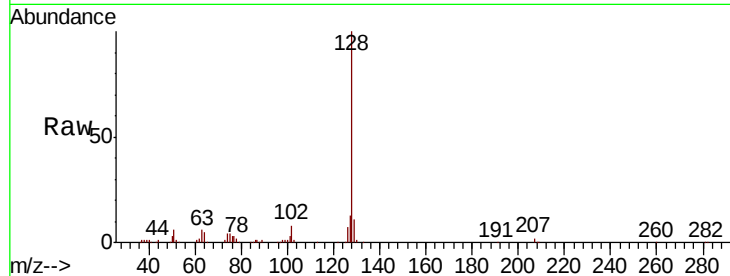




#95
Naphthalene
Concen: 16.953 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 221520
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.827 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion:180 Resp: 121417
Ion Ratio Lower Upper
180 100
182 95.5 48.0 144.2
145 29.9 15.2 45.6

