

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 14 07:28:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	706440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	540148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1253849	133.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.76%	
35) Dibromofluoromethane	7.59	113	1183100	143.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.54%	
50) Toluene-d8	10.09	98	4666396	150.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.70%	
62) 4-Bromofluorobenzene	12.40	95	1663786	158.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1101515	140.335	ug/l	98
3) Chloromethane	2.06	50	1446420	138.022	ug/l	99
4) Vinyl Chloride	2.18	62	1437398	141.320	ug/l	99
5) Bromomethane	2.54	94	806473	129.362	ug/l	98
6) Chloroethane	2.69	64	852572	136.666	ug/l	100
7) Trichlorofluoromethane	3.01	101	1849866	141.082	ug/l	100
8) Diethyl Ether	3.41	74	673520	141.302	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1130733	139.413	ug/l	100
10) Methyl Iodide	3.95	142	1019146	260.133	ug/l	100
11) Tert butyl alcohol	4.79	59	376885	535.642	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1086117	142.348	ug/l	99
13) Acrolein	3.61	56	136332	181.079	ug/l	99
14) Allyl chloride	4.32	41	1761176	144.896	ug/l	98
15) Acrylonitrile	4.99	53	2002087	647.676	ug/l	100
16) Acetone	3.82	43	1665488	564.637	ug/l	100
17) Carbon Disulfide	4.05	76	3410958	137.444	ug/l	100
18) Methyl Acetate	4.33	43	933705	111.026	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2980595	140.068	ug/l	100
20) Methylene Chloride	4.55	84	1241189	118.194	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1182866	143.343	ug/l	98
22) Diisopropyl ether	5.95	45	3651942	146.432	ug/l	99
23) Vinyl Acetate	5.90	43	12535281	715.683	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2151637	140.155	ug/l	100
25) 2-Butanone	6.84	43	2725228	606.987	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1420035	115.714	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1331592	145.818	ug/l	100
28) Bromochloromethane	7.20	49	1003208	141.764	ug/l	100
29) Tetrahydrofuran	7.21	42	1442875	599.075	ug/l	99
30) Chloroform	7.37	83	2135561	139.185	ug/l	99
31) Cyclohexane	7.65	56	2008897	130.677	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1866689	141.673	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1727490	153.726	ug/l	100
37) Ethyl Acetate	6.93	43	998104	128.335	ug/l	100
38) Carbon Tetrachloride	7.77	117	1681589	143.455	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1949005	158.976	ug/l	98
40) Benzene	8.04	78	5091897	147.183	ug/l	100
41) Methacrylonitrile	7.18	41	576767	137.351	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1523766	140.043	ug/l	100
43) Isopropyl Acetate	8.17	43	1778981	131.056	ug/l #	86
44) Trichloroethene	8.84	130	1349953	145.079	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1336624	147.030	ug/l	99
46) Dibromomethane	9.21	93	771563	138.947	ug/l	99
47) Bromodichloromethane	9.40	83	1687827	145.304	ug/l	100
48) Methyl methacrylate	9.20	41	954905	140.930	ug/l	98
49) 1,4-Dioxane	9.20	88	248428	2411.931	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	6183088	637.999	ug/l	99
52) Toluene	10.16	92	3222169	155.255	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1766979	153.212	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1970411	152.276	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1119586	139.394	ug/l	99
56) Ethyl methacrylate	10.43	69	1527695	152.840	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1909508	144.684	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3678405	787.744	ug/l	100
59) 2-Hexanone	10.75	43	4173400	620.998	ug/l	99
60) Dibromochloromethane	10.90	129	1328576	149.941	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1153488	146.335	ug/l	100
64) Tetrachloroethene	10.63	164	1267444	137.797	ug/l	99
65) Chlorobenzene	11.44	112	3611520	146.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1308725	145.067	ug/l	100
67) Ethyl Benzene	11.51	91	6297817	157.537	ug/l	99
68) m/p-Xylenes	11.62	106	4816895	316.289	ug/l	100
69) o-Xylene	11.95	106	2344737	160.114	ug/l	99
70) Styrene	11.96	104	3885151	163.594	ug/l	100
71) Bromoform	12.13	173	946516	146.216	ug/l #	100
73) Isopropylbenzene	12.25	105	6151229	150.626	ug/l	99
74) N-amyl acetate	12.07	43	1649602	129.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1406880	122.025	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1736289	177.884	ug/l #	100
77) Bromobenzene	12.53	156	1593498	145.832	ug/l	100
78) n-propylbenzene	12.59	91	7081288	153.330	ug/l	100
79) 2-Chlorotoluene	12.68	91	4183529	146.570	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5074200	153.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	374335	138.774	ug/l	96
82) 4-Chlorotoluene	12.77	91	4321332	151.926	ug/l	100
83) tert-Butylbenzene	12.99	119	4398681	152.818	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5193348	155.055	ug/l	100
85) sec-Butylbenzene	13.17	105	5785147	150.483	ug/l	100
86) p-Isopropyltoluene	13.29	119	5170819	157.175	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2829180	145.963	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2785440	144.051	ug/l	99
89) n-Butylbenzene	13.62	91	4351291	156.466	ug/l	100
90) Hexachloroethane	13.88	117	904433	153.210	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2645282	136.711	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	210169	109.331	ug/l	97

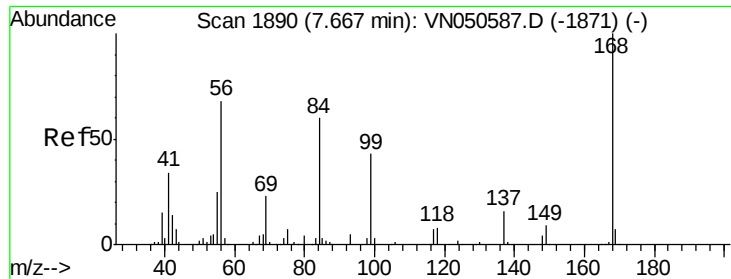
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1523574	156.678	ug/l	99
94) Hexachlorobutadiene	15.01	225	772721	109.073	ug/l	98
95) Naphthalene	15.13	128	3322385	151.072	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1404772	142.941	ug/l	98

(#) = 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: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

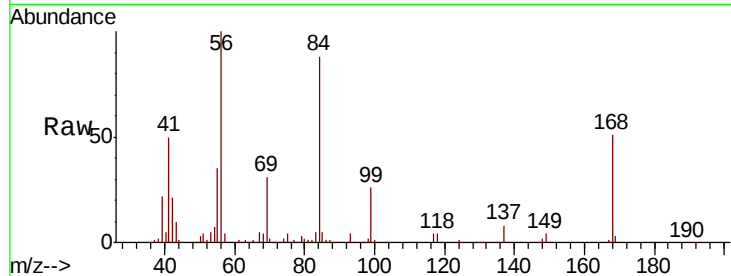
VSTDIC150

Tot Ion:168 Resp: 706440

Ion Ratio Lower Upper

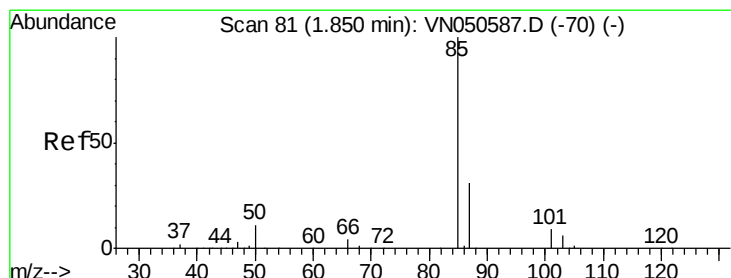
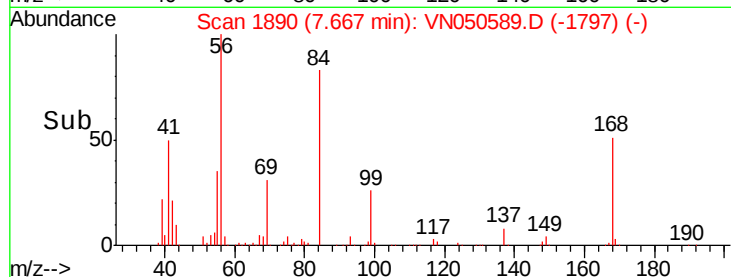
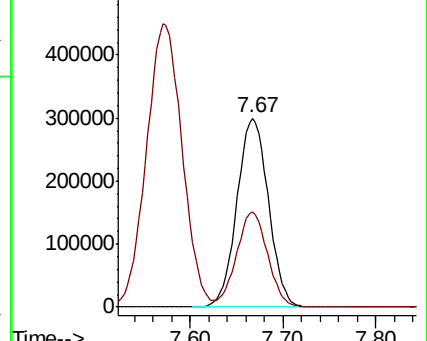
168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 140.335 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050589.D

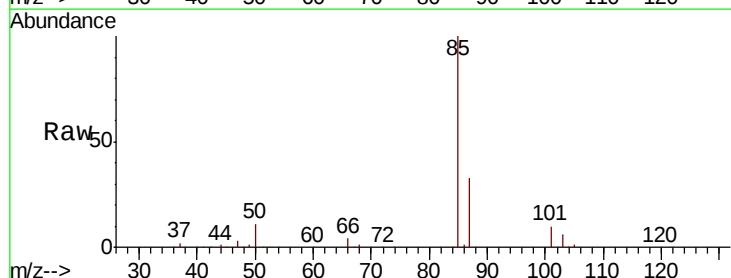
Acq: 14 Aug 2018 1:49

Tgt Ion: 85 Resp: 1101515

Ion Ratio Lower Upper

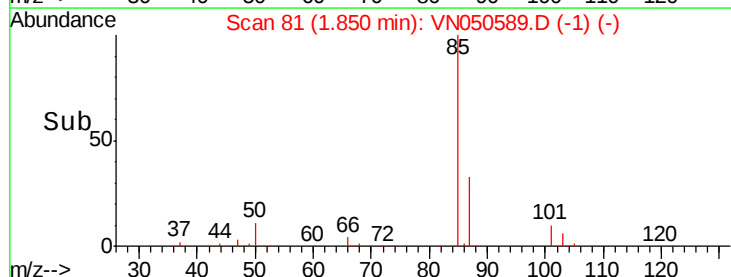
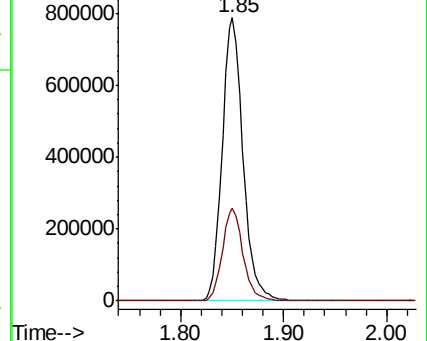
85 100

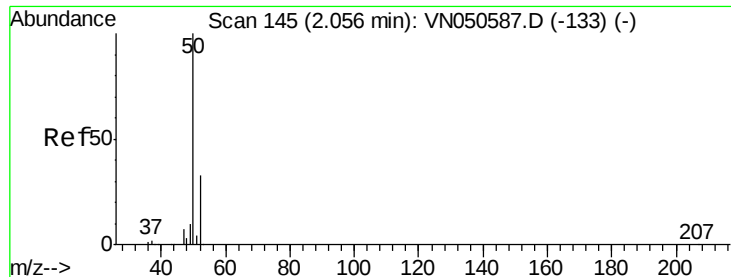
87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 138.022 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

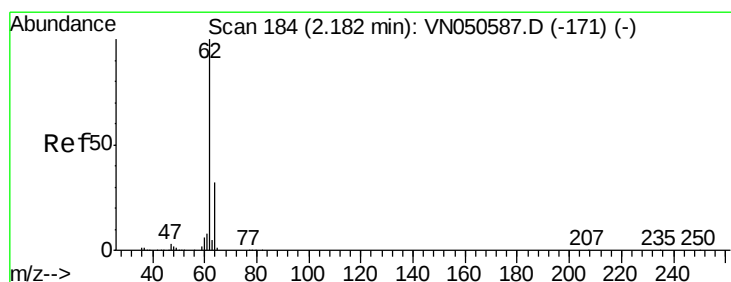
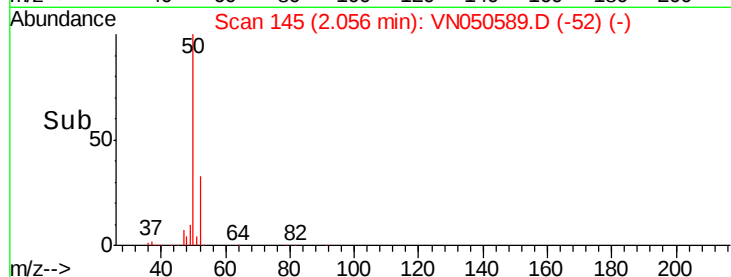
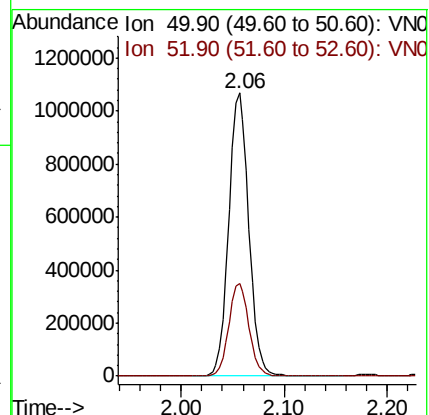
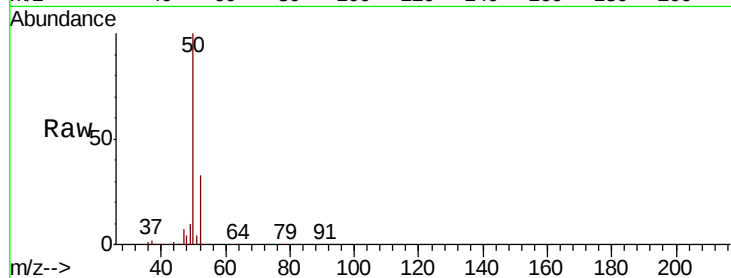
VSTDIC150

Tot Ion: 50 Resp: 1446420

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 141.320 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050589.D

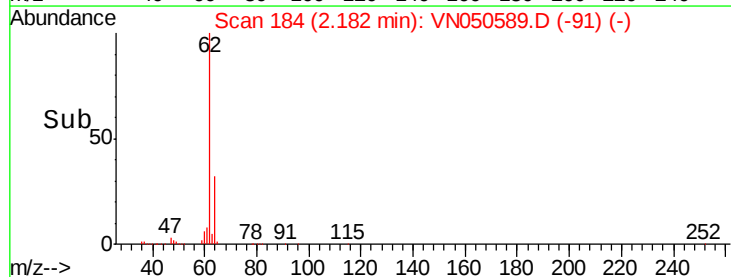
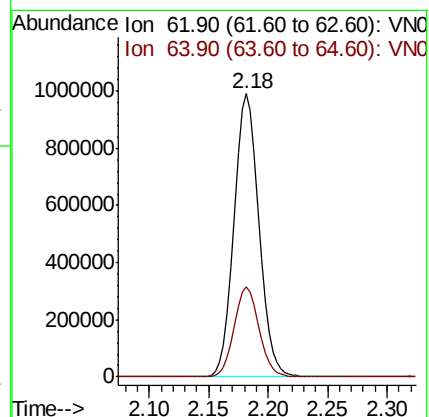
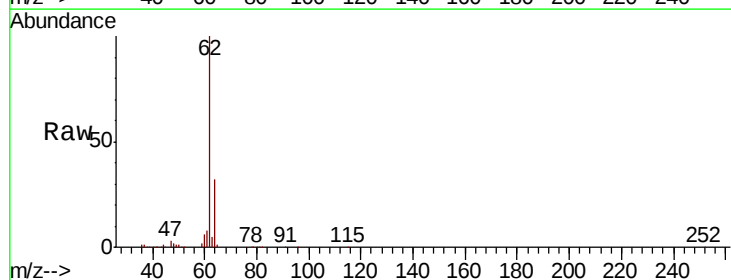
Acq: 14 Aug 2018 1:49

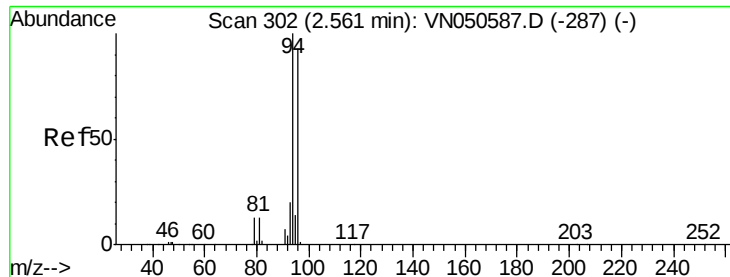
Tgt Ion: 62 Resp: 1437398

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 129.362 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.02 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

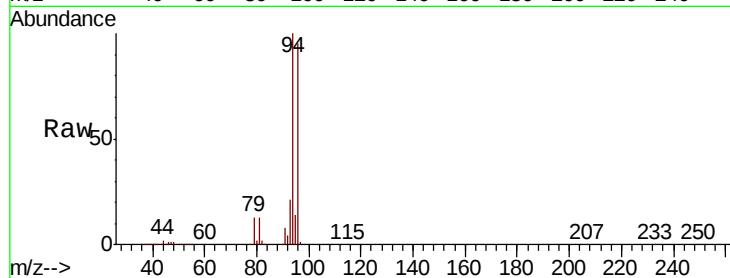
VSTDIC150

Tot Ion: 94 Resp: 806473

Ion Ratio Lower Upper

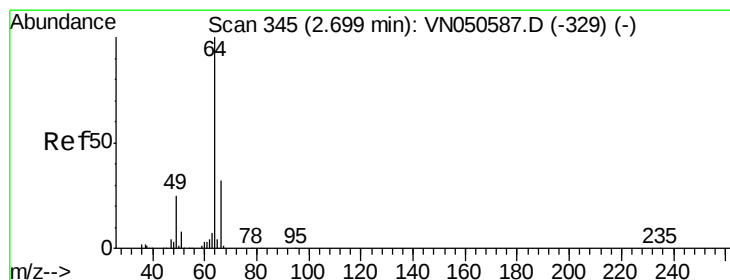
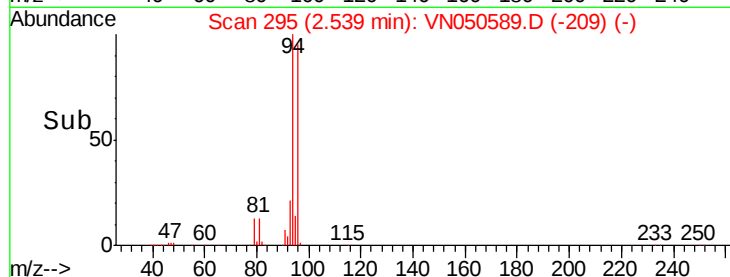
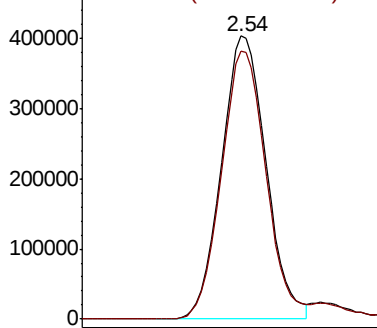
94 100

96 94.8 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 136.666 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050589.D

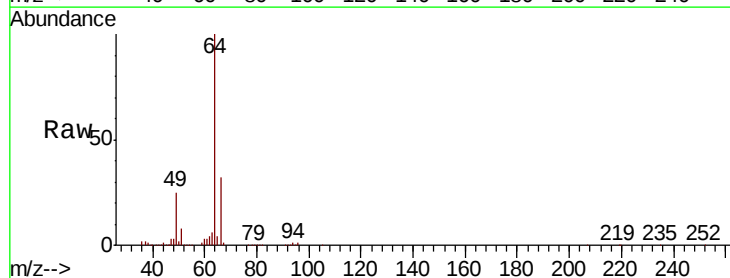
Acq: 14 Aug 2018 1:49

Tgt Ion: 64 Resp: 852572

Ion Ratio Lower Upper

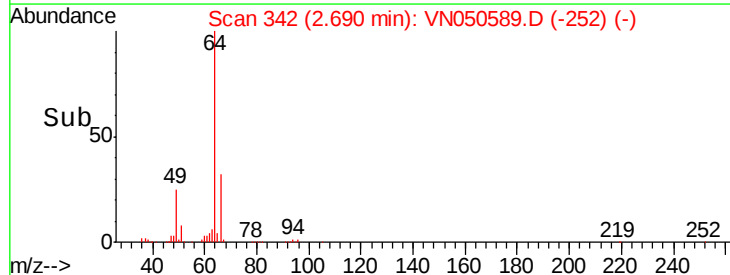
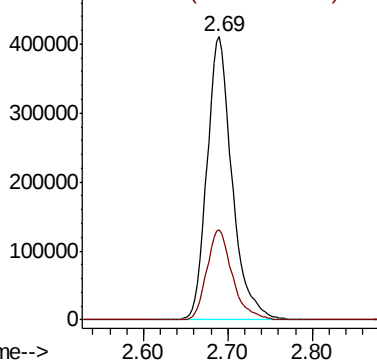
64 100

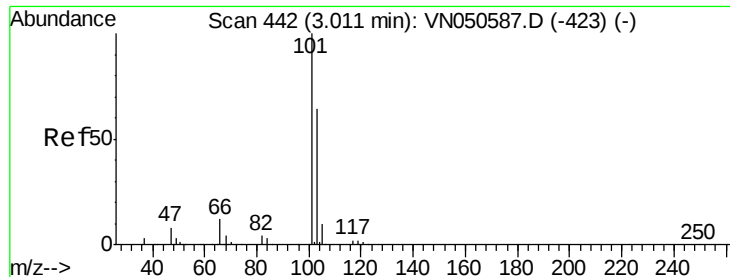
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



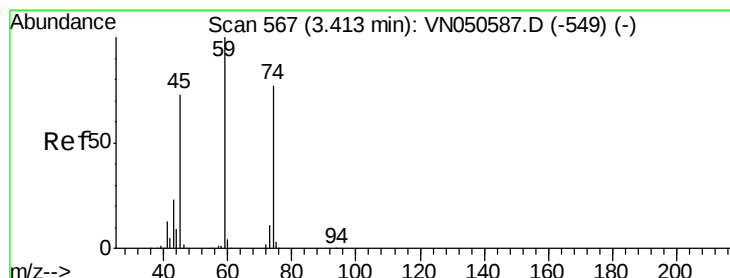
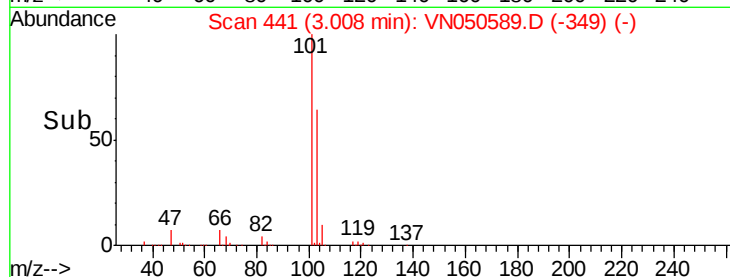
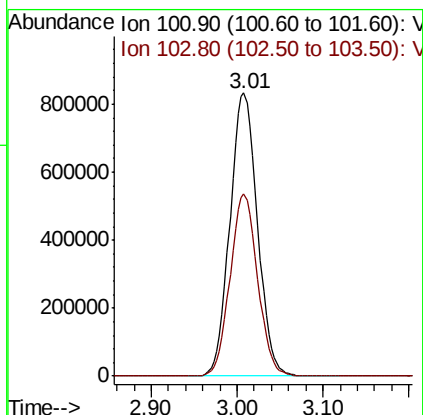
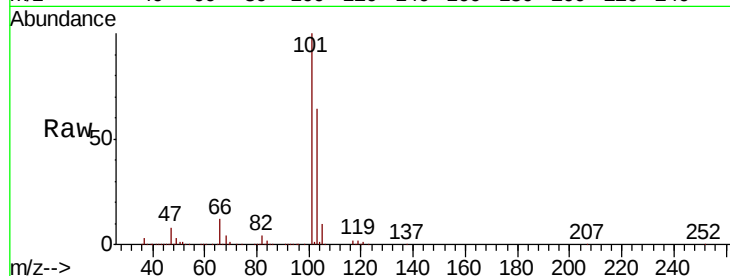


#7

Trichlorofluoromethane
 Concen: 141.082 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
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 ClientSampleId :
 VSTDIC150

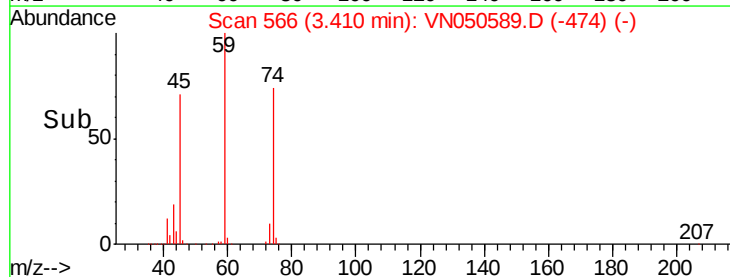
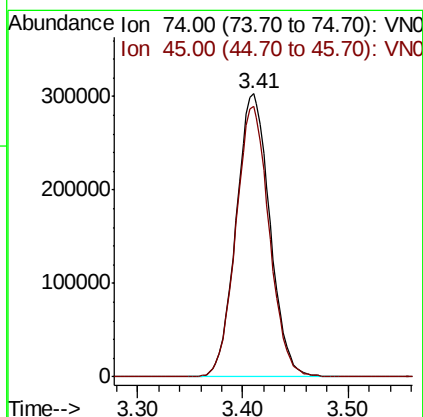
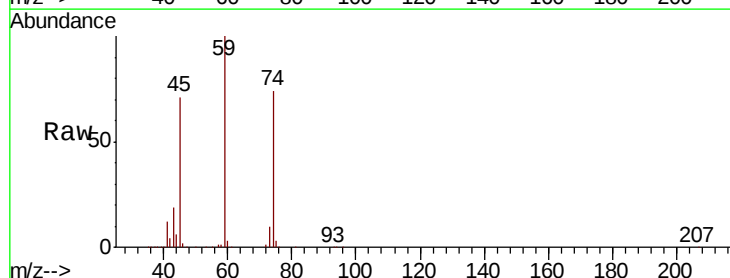
Tot Ion:101 Resp: 1849866
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.0

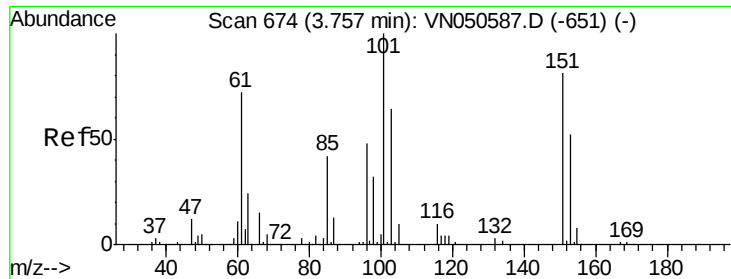


#8

Diethyl Ether
 Concen: 141.302 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 74 Resp: 673520
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.0 144.2

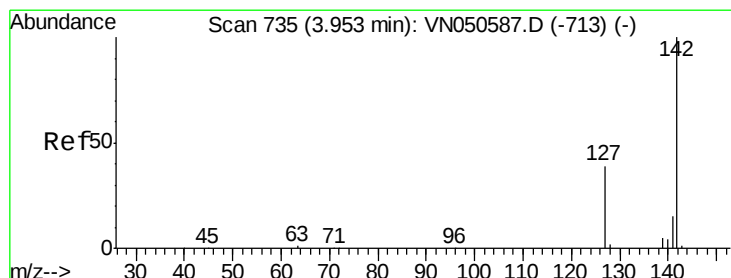
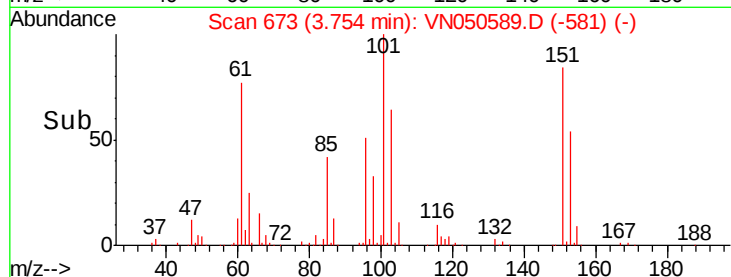
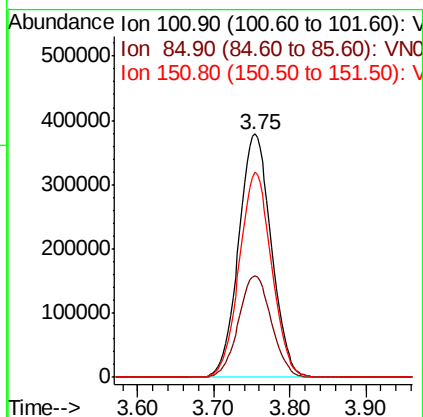
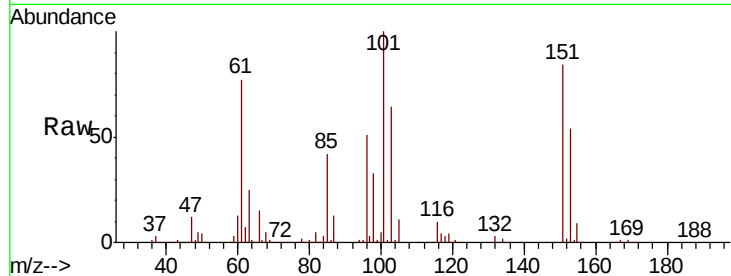




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 139.413 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

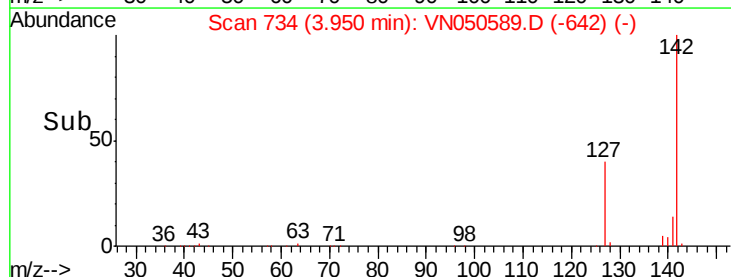
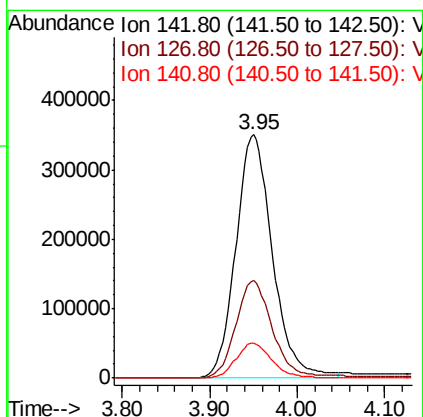
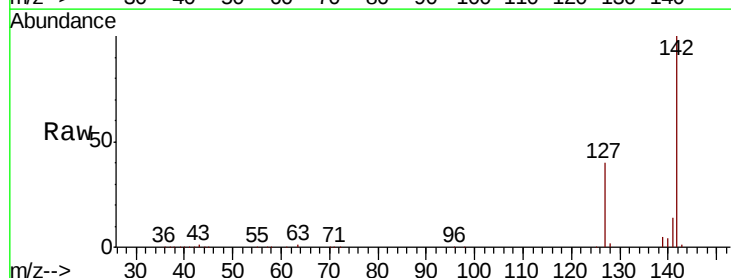
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

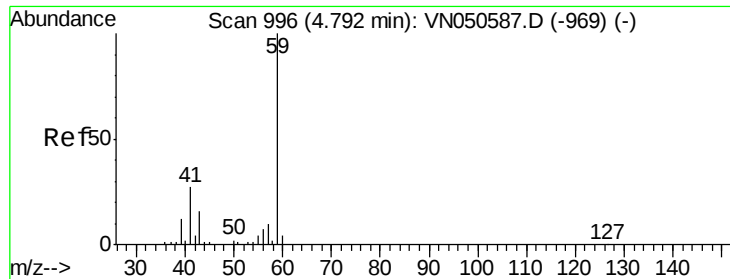
Tot Ion:101 Resp: 1130733
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.4 50.0
 151 83.3 66.6 100.0



#10
 Methyl Iodide
 Concen: 260.133 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:142 Resp: 1019146
 Ion Ratio Lower Upper
 142 100
 127 40.6 32.6 49.0
 141 14.2 11.5 17.3



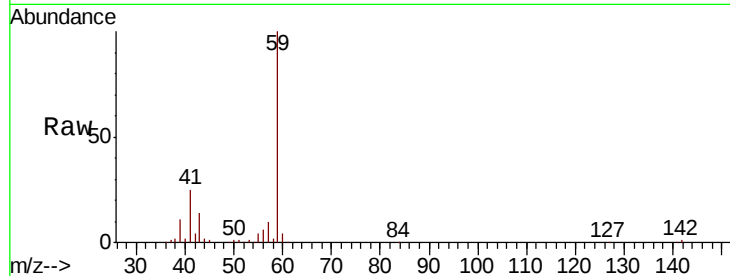


#11

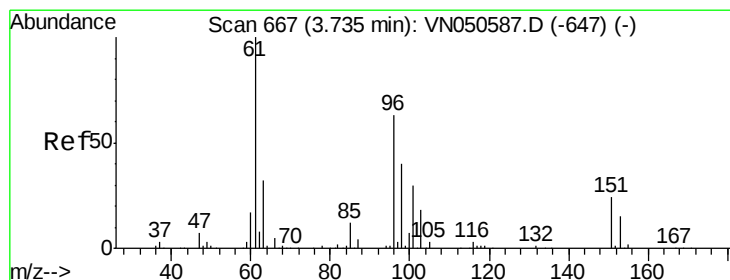
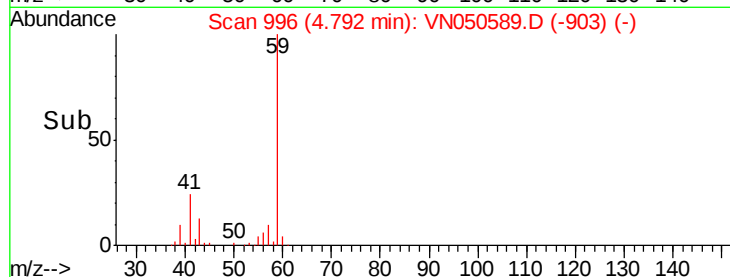
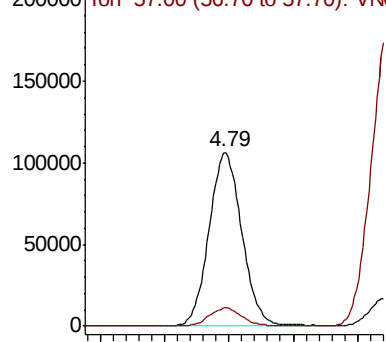
Tert butyl alcohol
 Concen: 535.642 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 376885
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6



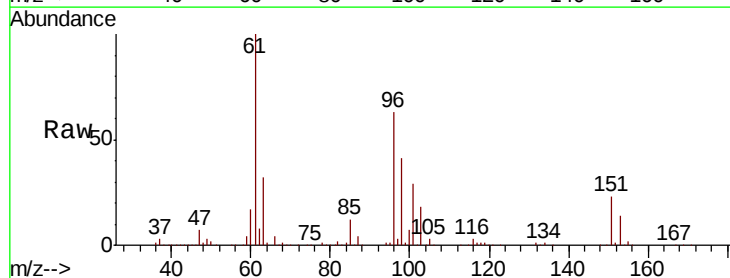
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



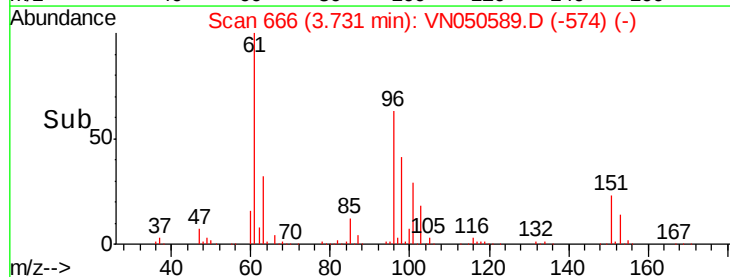
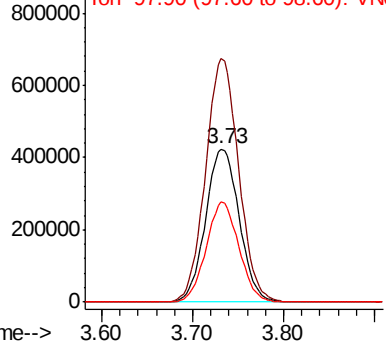
#12

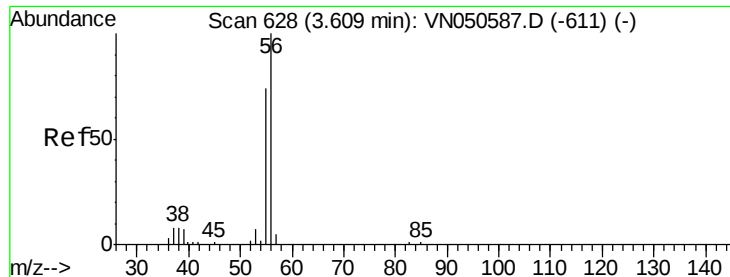
1,1-Dichloroethene
 Concen: 142.348 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 96 Resp: 1086117
 Ion Ratio Lower Upper
 96 100
 61 158.7 126.9 190.3
 98 65.1 51.1 76.7



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





#13

Acrolein

Concen: 181.079 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

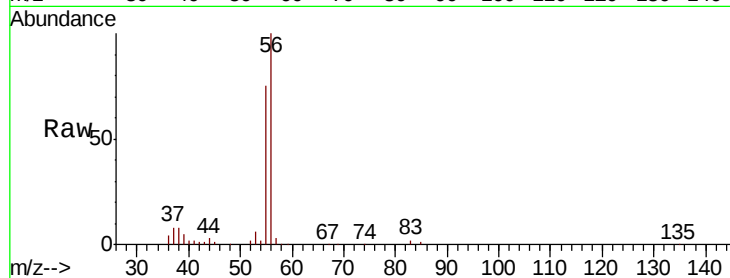
VSTDIC150

Tot Ion: 56 Resp: 136332

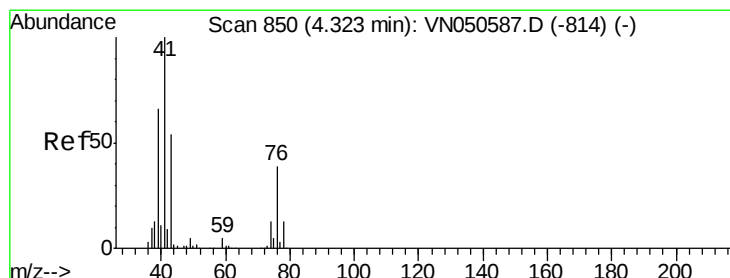
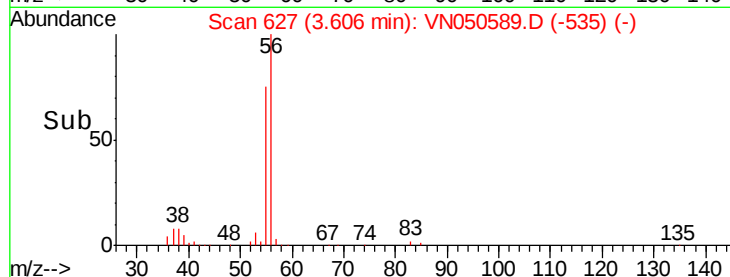
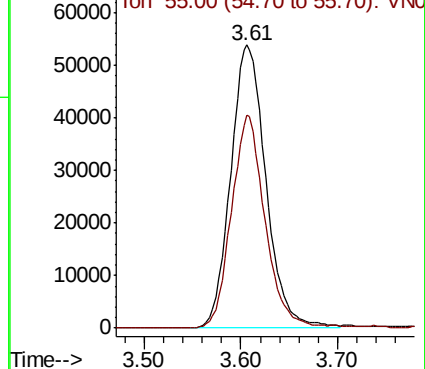
Ion Ratio Lower Upper

56 100

55 71.6 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN050589.D (-611) (-)



#14

Allyl chloride

Concen: 144.896 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

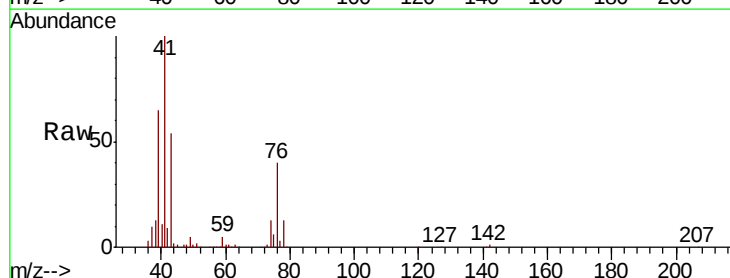
Tgt Ion: 41 Resp: 1761176

Ion Ratio Lower Upper

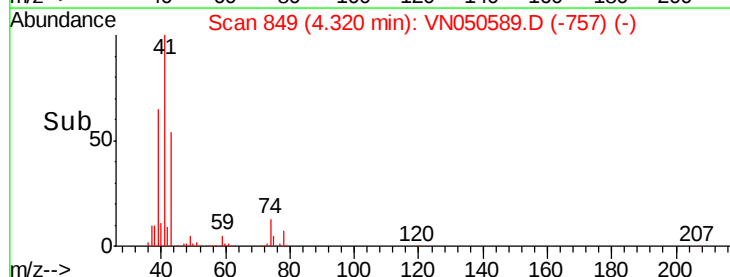
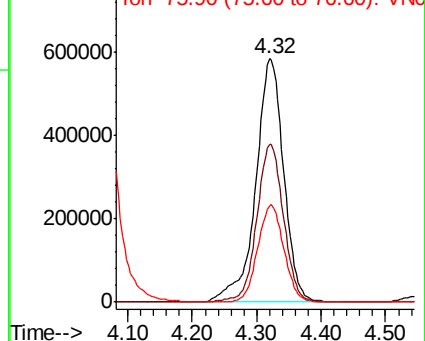
41 100

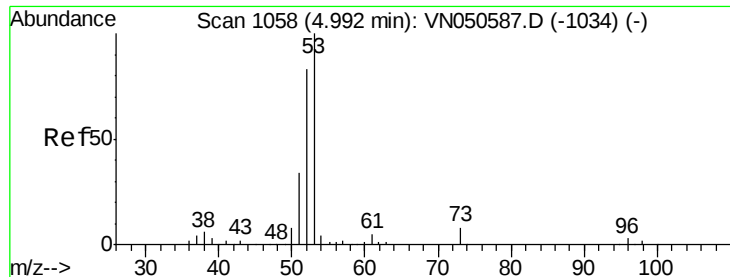
39 62.1 51.4 77.0

76 37.1 29.4 44.0



Abundance Ion 41.00 (40.70 to 41.70): VN050589.D (-757) (-)





#15

Acrylonitrile

Concen: 647.676 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

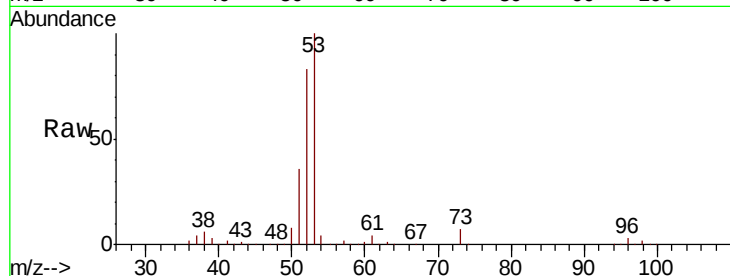
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2002087

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.7	28.6	43.0

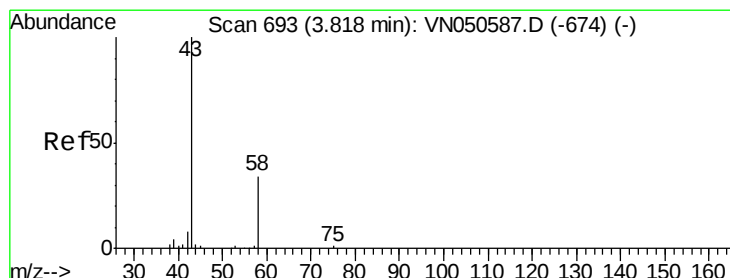
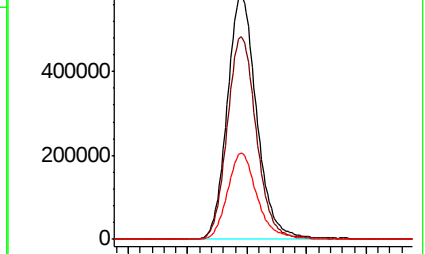
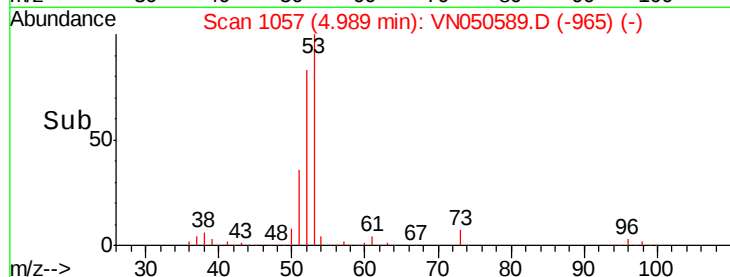


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 564.637 ug/l

RT: 3.82 min Scan# 693

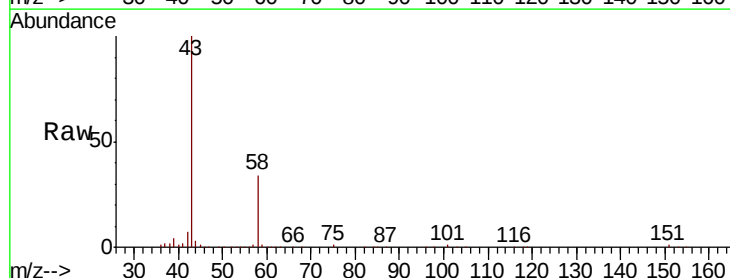
Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 1665488

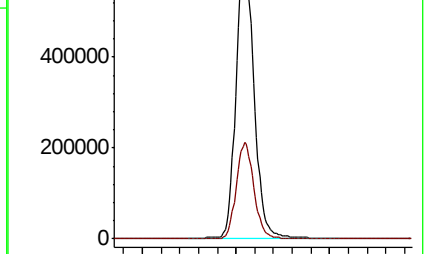
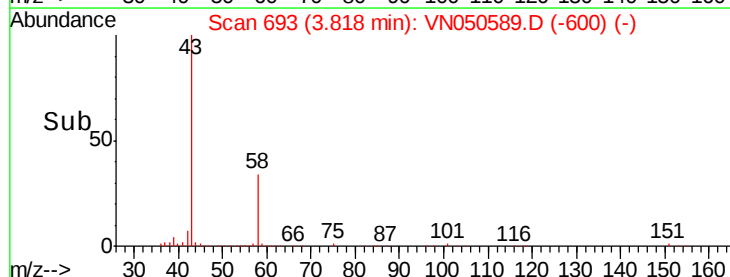
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7

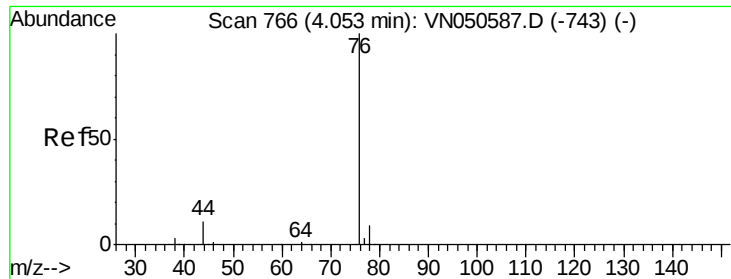


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

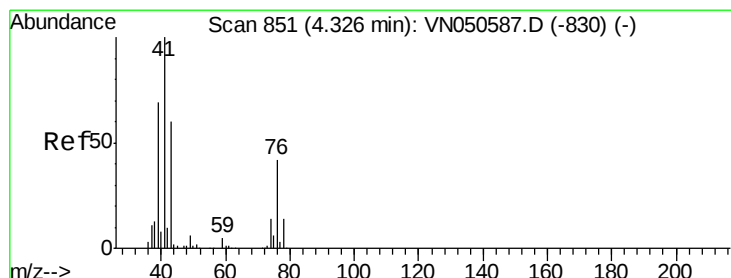
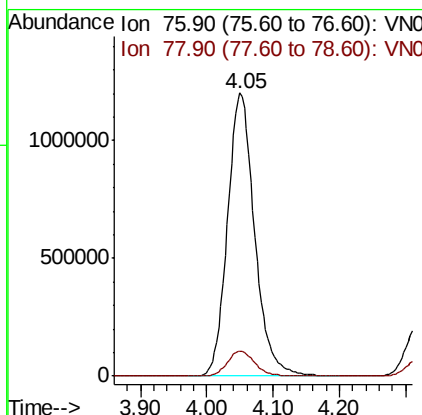
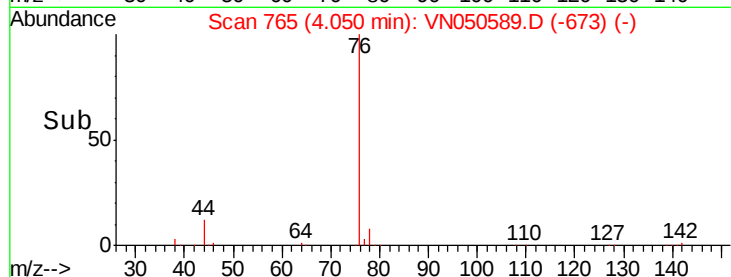
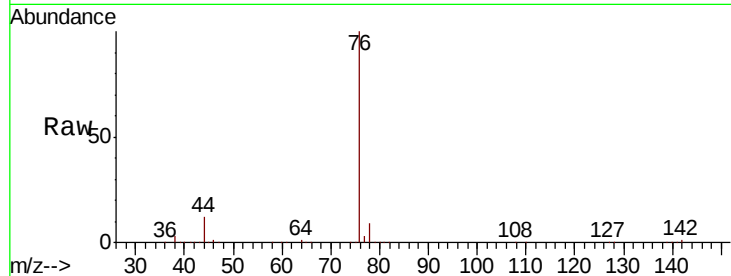




#17
Carbon Disulfide
Concen: 137.444 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

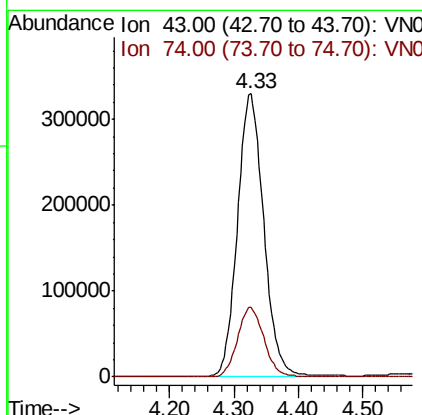
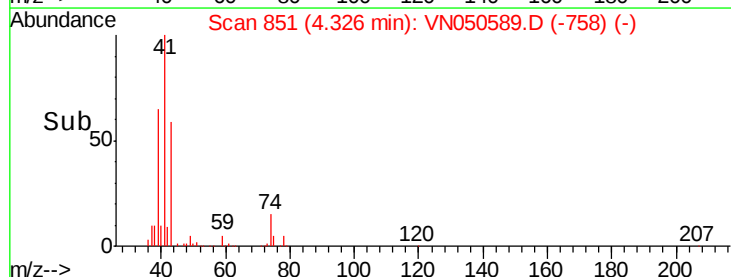
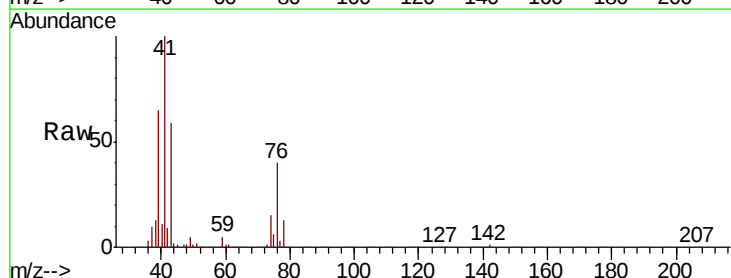
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

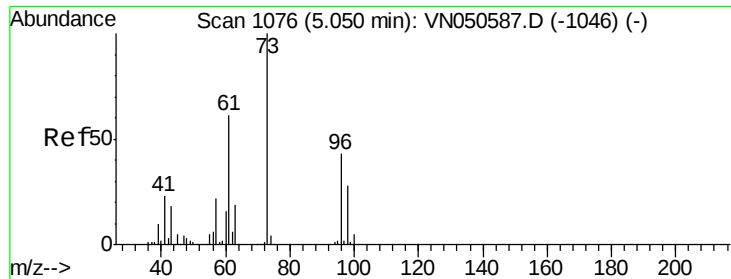
Tot Ion: 76 Resp: 3410958
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 111.026 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 933705
Ion Ratio Lower Upper
43 100
74 24.9 19.7 29.5

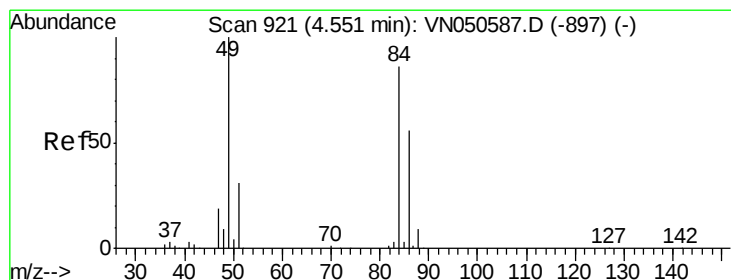
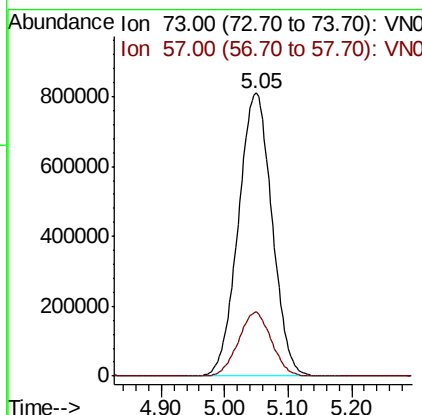
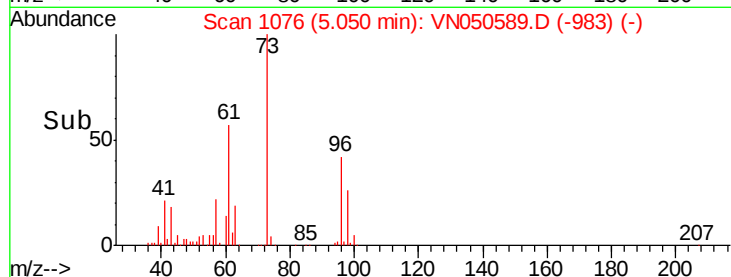
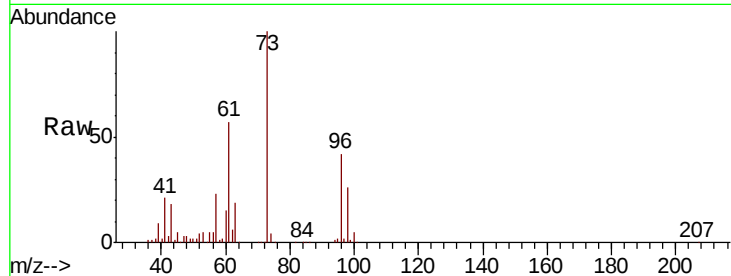




#19
Methvl tert-butvl Ether
Concen: 140.068 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

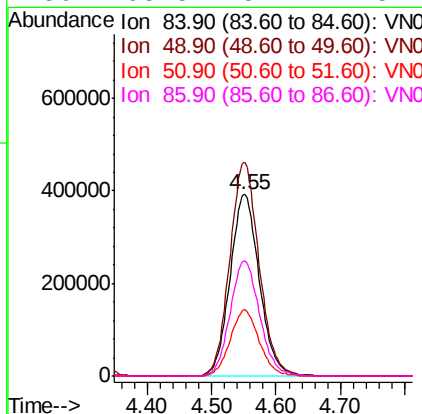
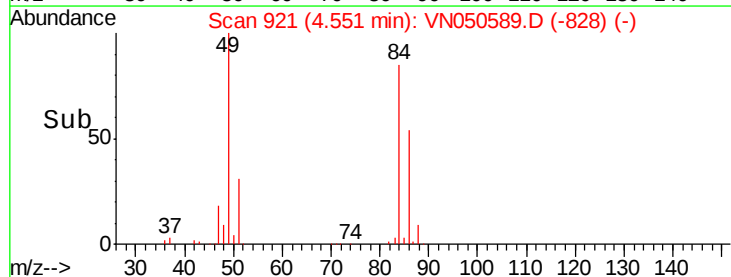
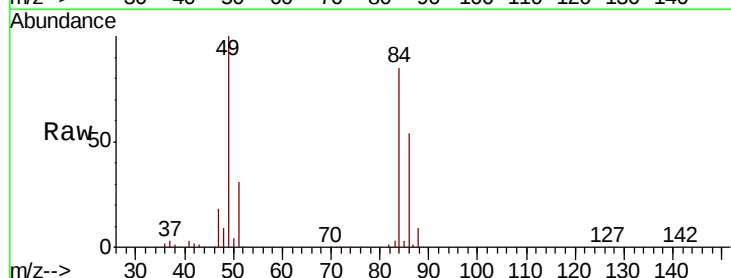
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

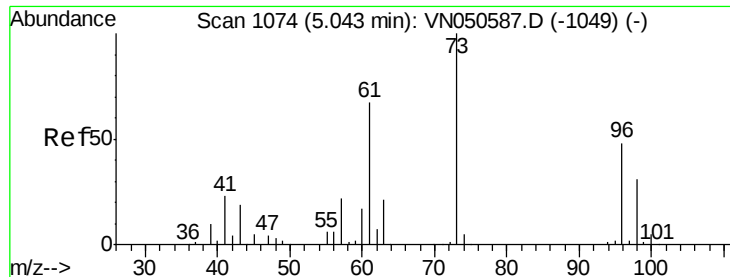
Tot Ion: 73 Resp: 2980595
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 118.194 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 84 Resp: 1241189
Ion Ratio Lower Upper
84 100
49 117.8 92.6 138.8
51 36.4 28.6 43.0
86 63.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 143.343 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

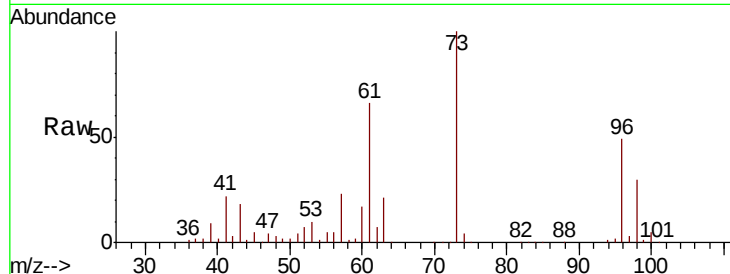
Tot Ion: 96 Resp: 1182866

Ion Ratio Lower Upper

96 100

61 136.3 111.2 166.8

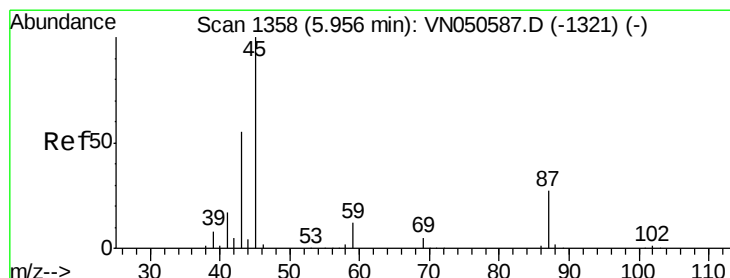
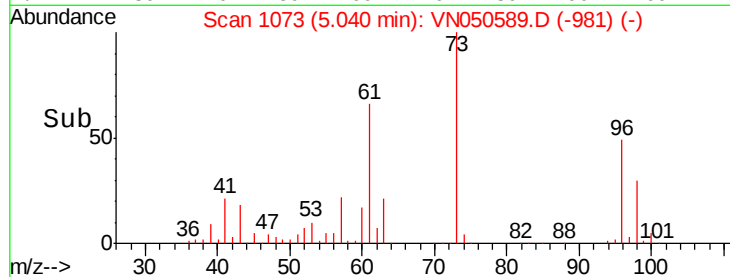
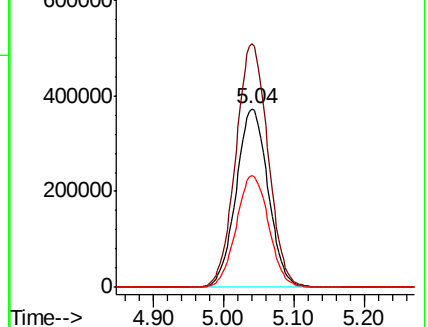
98 62.5 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN050589.D (-1049) (-)

Ion 60.90 (60.60 to 61.60): VN050589.D (-1049) (-)

Ion 97.90 (97.60 to 98.60): VN050589.D (-1049) (-)



#22

Diisopropyl ether

Concen: 146.432 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Tgt Ion: 45 Resp: 3651942

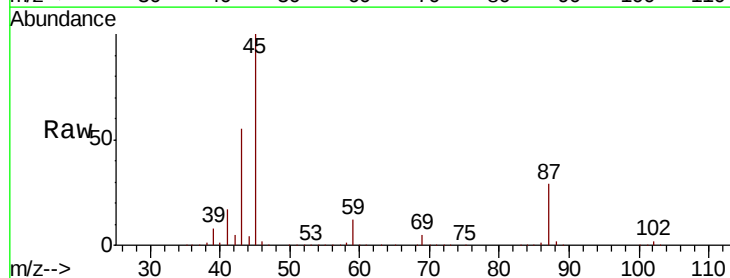
Ion Ratio Lower Upper

45 100

43 55.1 44.5 66.7

87 28.5 22.2 33.2

59 11.8 9.5 14.3

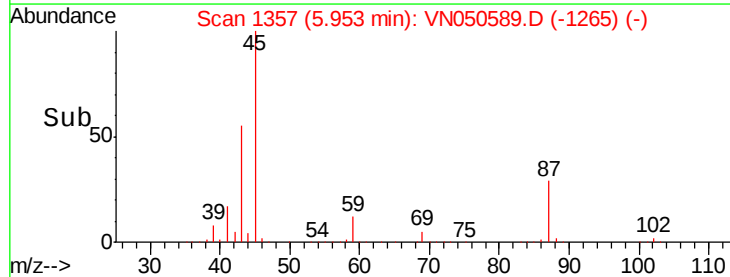
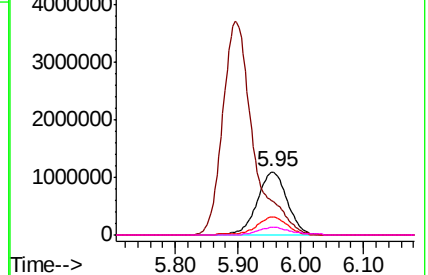


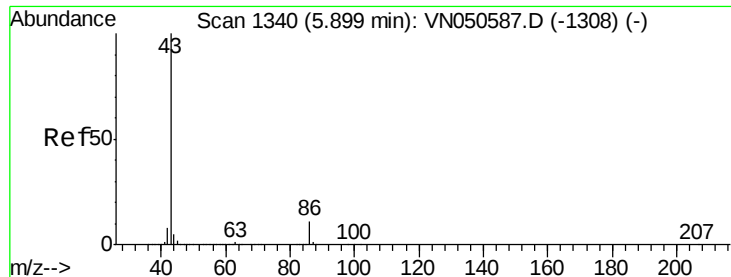
Abundance Ion 45.00 (44.70 to 45.70): VN050589.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN050589.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN050589.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN050589.D (-1265) (-)





#23

Vinyl Acetate

Concen: 715.683 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

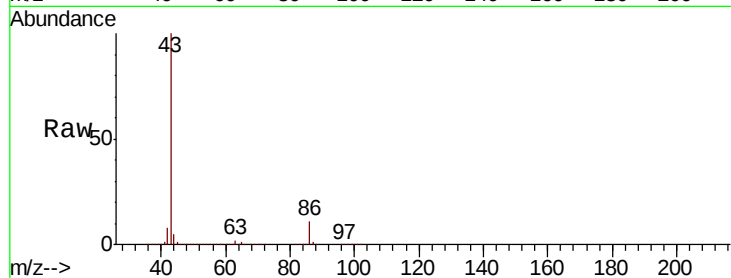
VSTDIC150

Tot Ion: 43 Resp:12535281

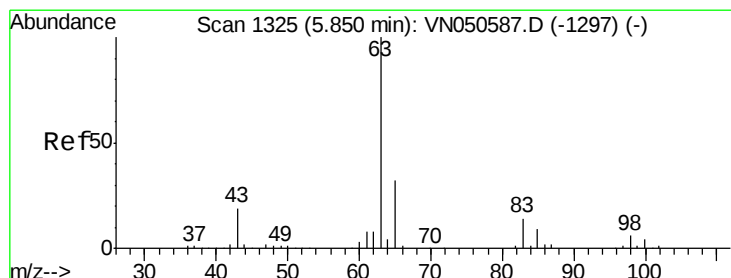
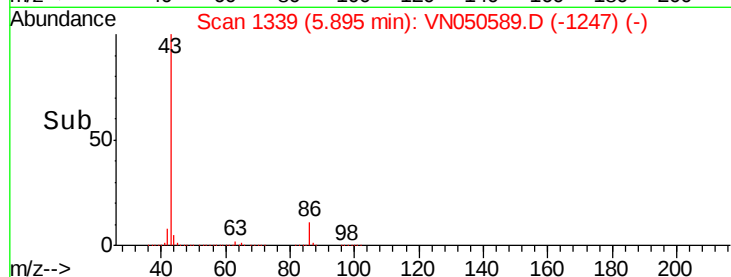
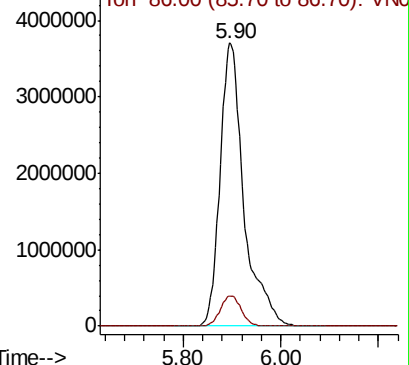
Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050589.D (-1339) (-)



#24

1,1-Dichloroethane

Concen: 140.155 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

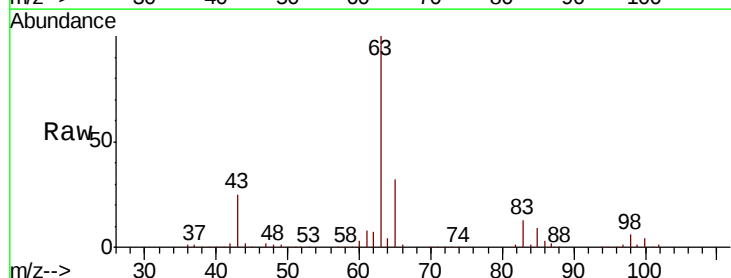
Tgt Ion: 63 Resp: 2151637

Ion Ratio Lower Upper

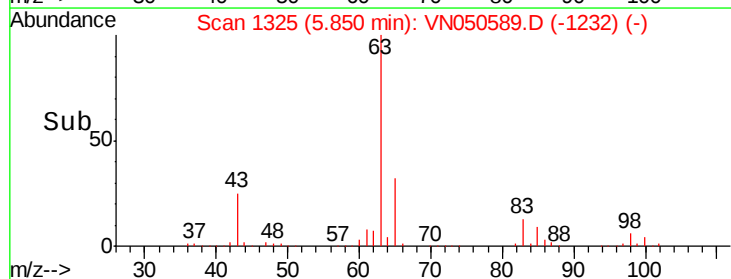
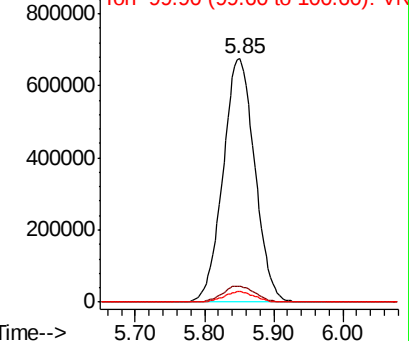
63 100

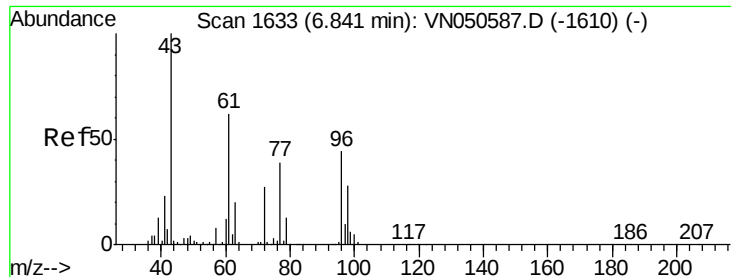
98 6.5 3.2 9.6

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050589.D (-1325) (-)





#25

2-Butanone

Concen: 606.987 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

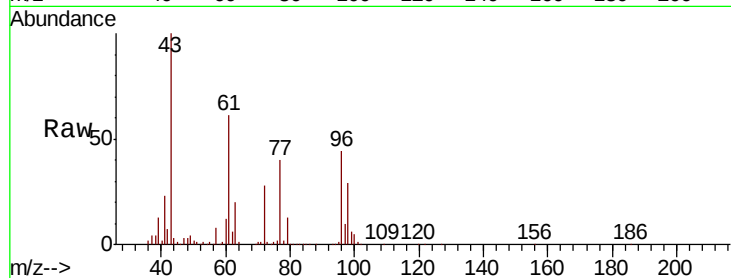
VSTDICC150

Tot Ion: 43 Resp: 2725228

Ion Ratio Lower Upper

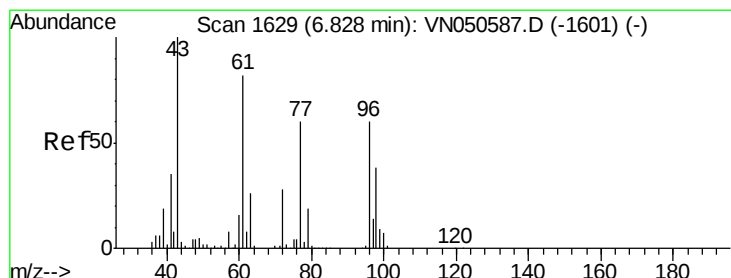
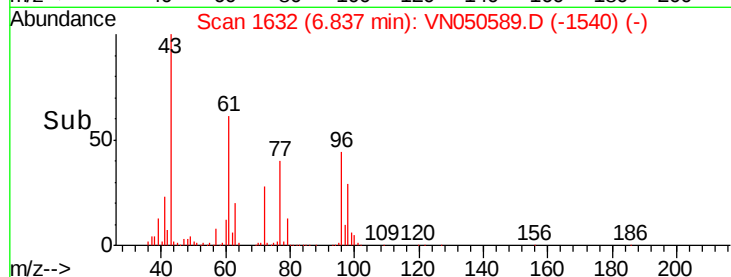
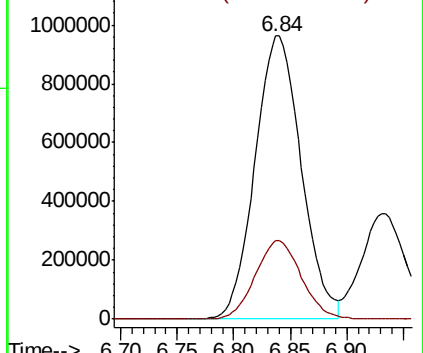
43 100

72 27.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 115.714 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050589.D

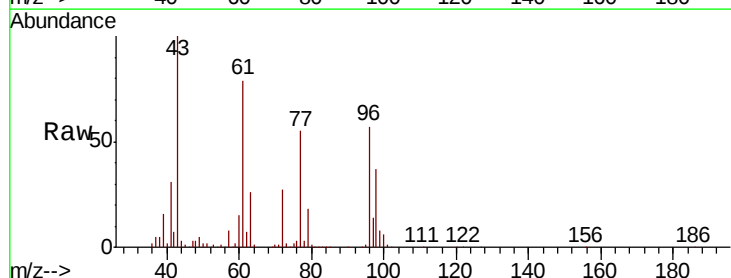
Acq: 14 Aug 2018 1:49

Tgt Ion: 77 Resp: 1420035

Ion Ratio Lower Upper

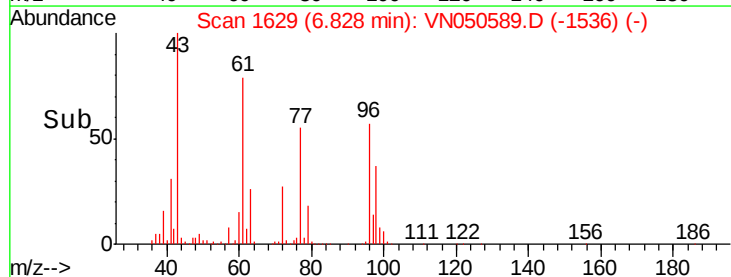
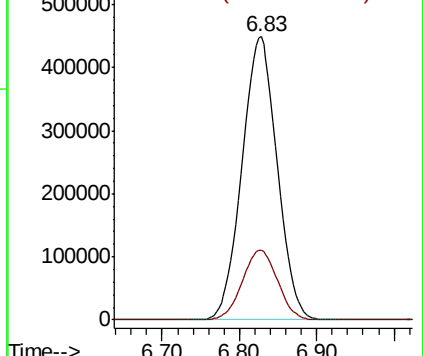
77 100

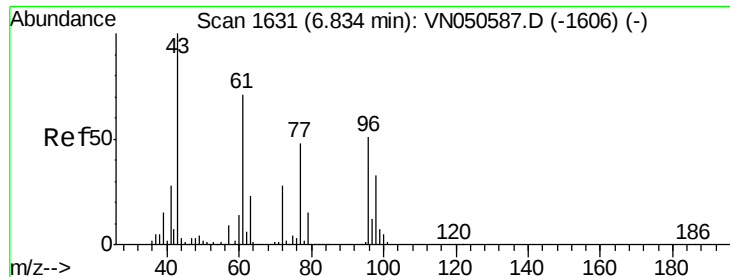
97 24.7 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 145.818 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

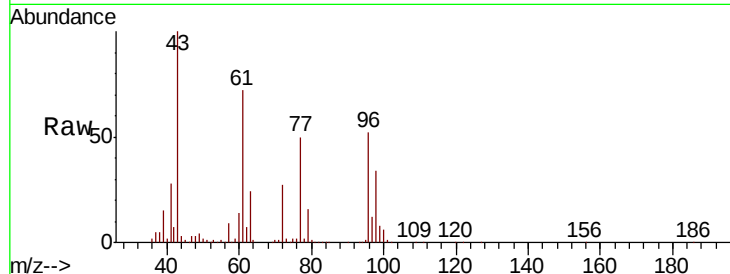
Tot Ion: 96 Resp: 1331592

Ion Ratio Lower Upper

96 100

61 139.1 0.0 278.2

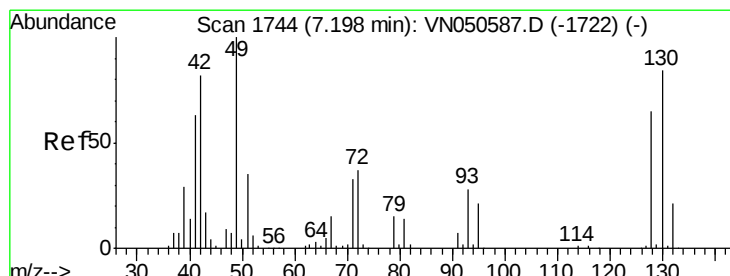
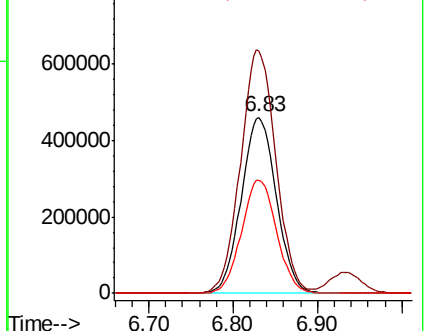
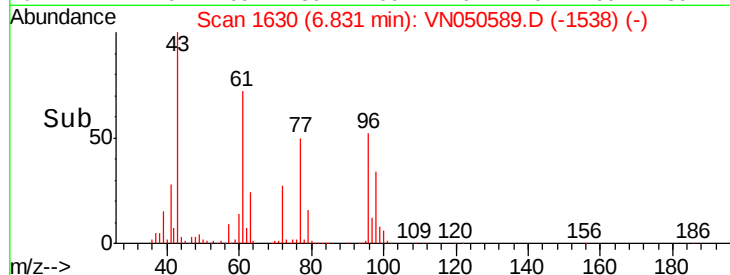
98 64.5 0.0 128.8



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: 141.764 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

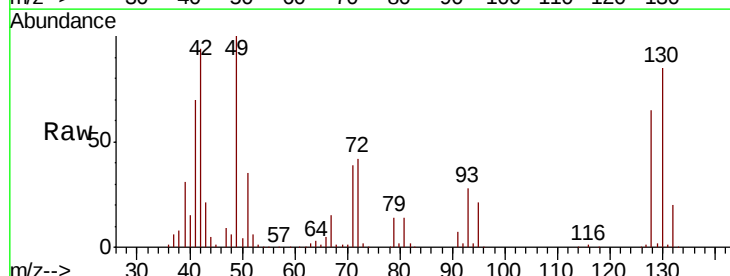
Tgt Ion: 49 Resp: 1003208

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

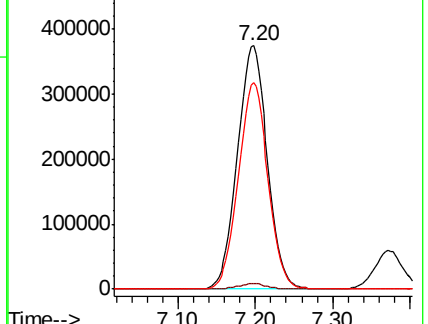
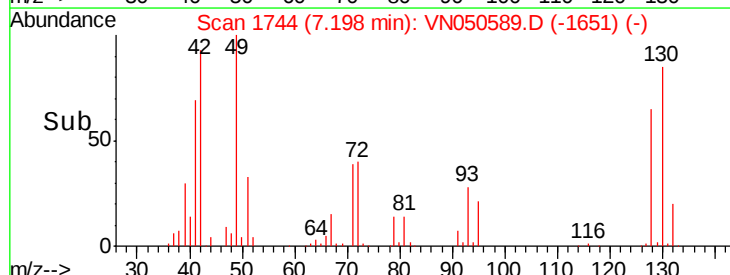
130 83.9 66.8 100.2

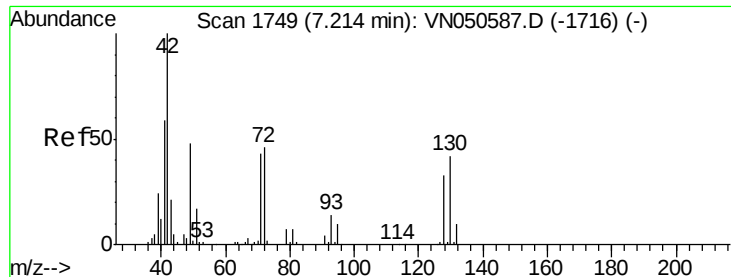


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

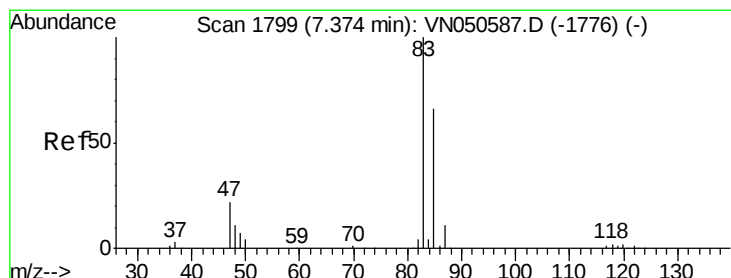
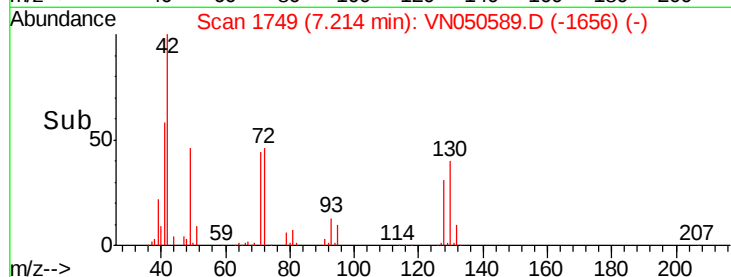
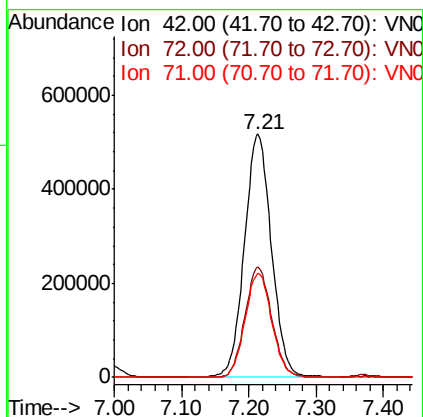
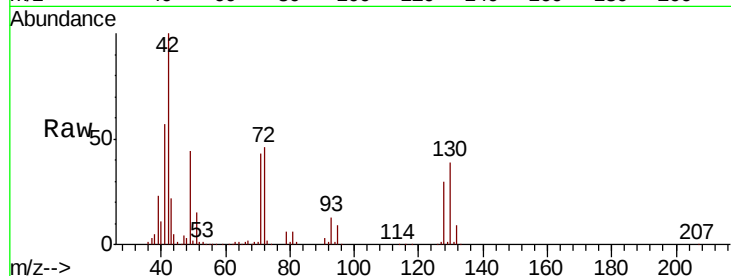




#29
Tetrahydrofuran
Concen: 599.075 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

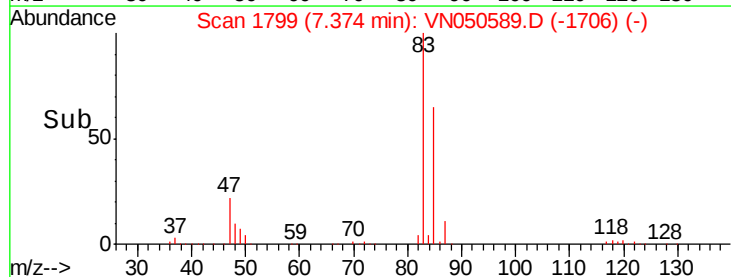
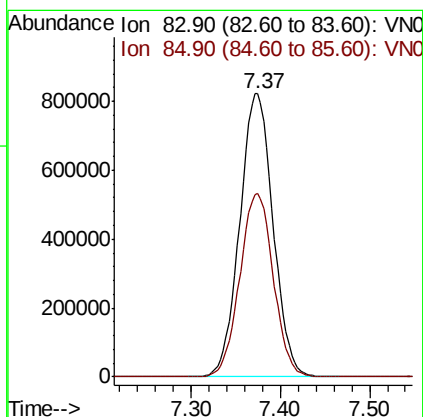
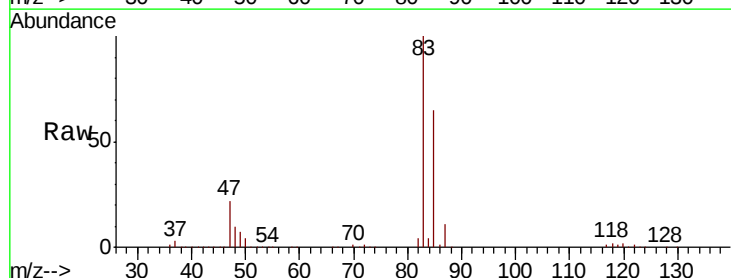
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

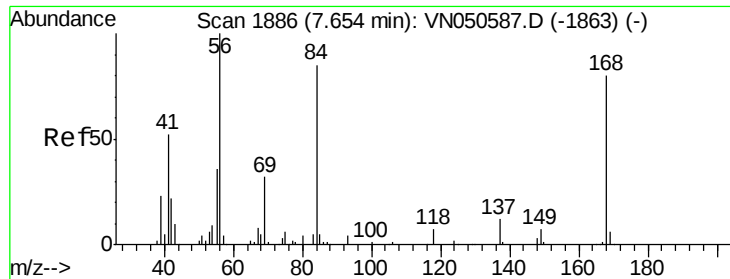
Tot Ion: 42 Resp: 1442875
Ion Ratio Lower Upper
42 100
72 44.8 35.8 53.6
71 42.3 33.4 50.0



#30
Chloroform
Concen: 139.185 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 83 Resp: 2135561
Ion Ratio Lower Upper
83 100
85 64.9 52.5 78.7





#31

Cyclohexane

Concen: 130.677 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

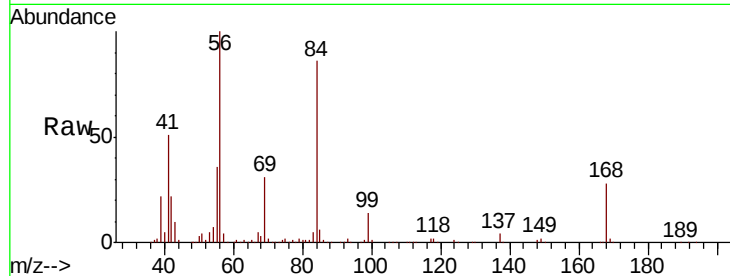
Tot Ion: 56 Resp: 2008897

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.6

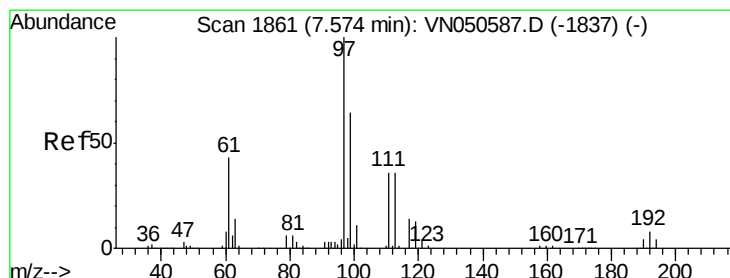
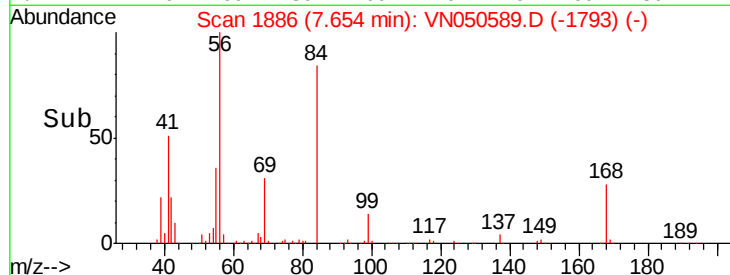
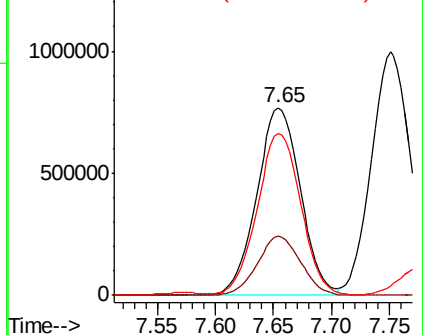
84 85.1 67.8 101.6



Abundance Ion 56.00 (55.70 to 56.70): VN050589.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050589.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050589.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 141.673 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

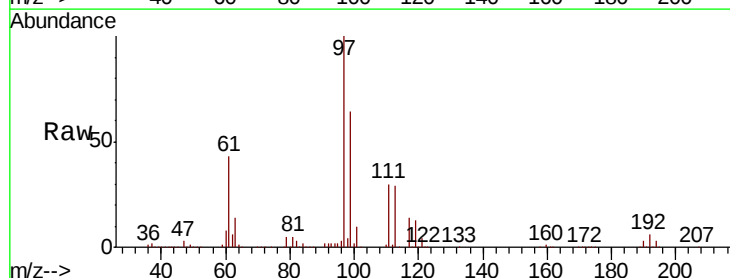
Tgt Ion: 97 Resp: 1866689

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

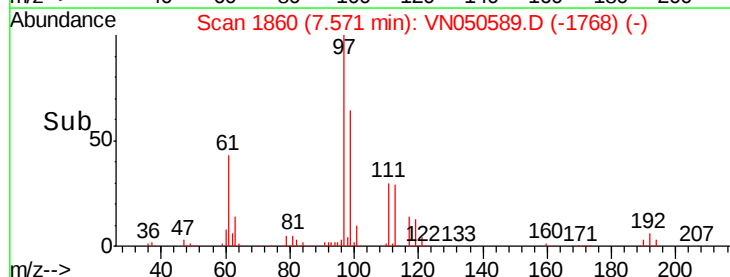
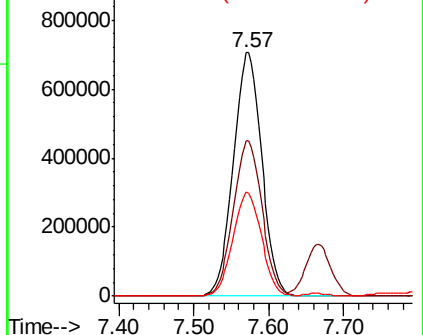
61 42.9 34.8 52.2

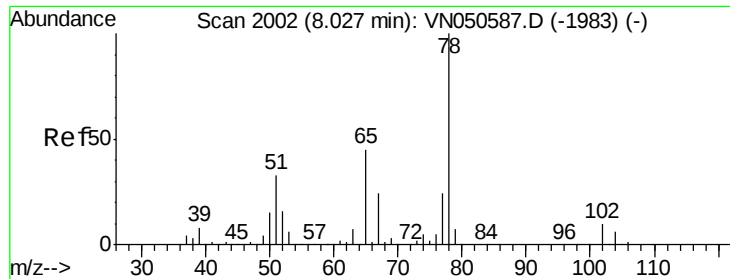


Abundance Ion 96.90 (96.60 to 97.60): VN050589.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050589.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050589.D (-1768) (-)





#33

1,2-Dichloroethane-d4

Concen: 133.883 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

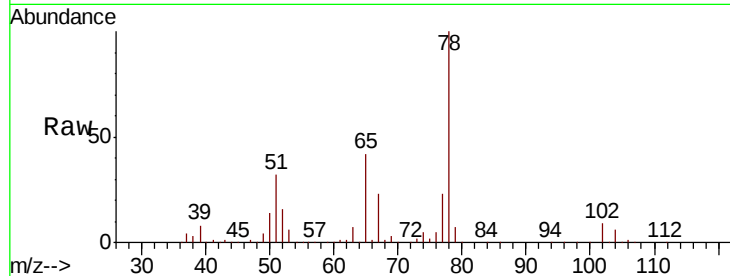
VSTDIC150

Tot Ion: 65 Resp: 1253849

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN050589.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN050589.D (-1909) (-)

8.03

600000

500000

400000

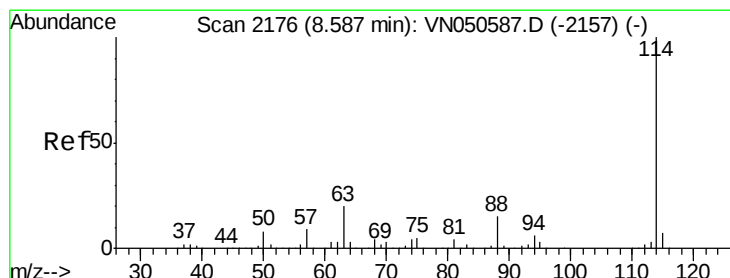
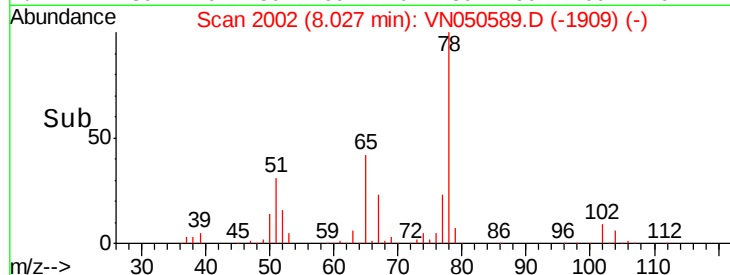
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

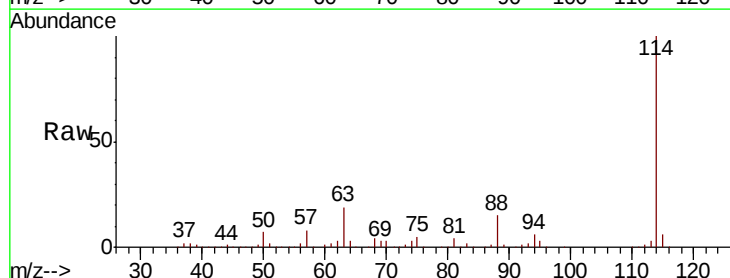
Tgt Ion: 114 Resp: 1024229

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.2 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN050589.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN050589.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN050589.D (-2083) (-)

8.59

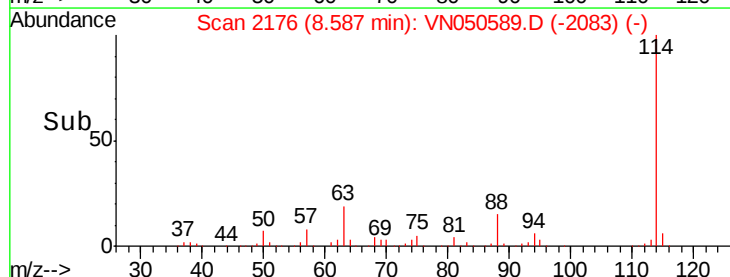
600000

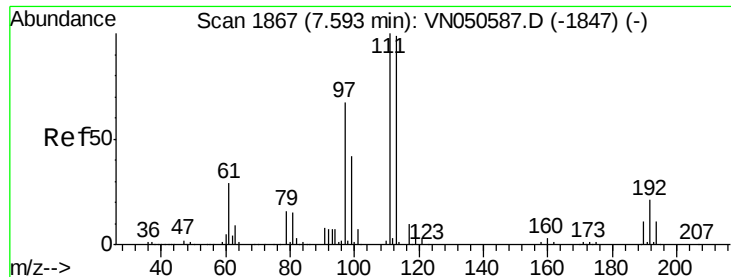
400000

200000

0

Time--> 8.50 8.60 8.70

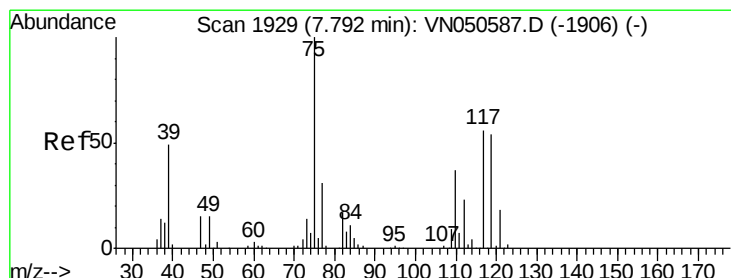
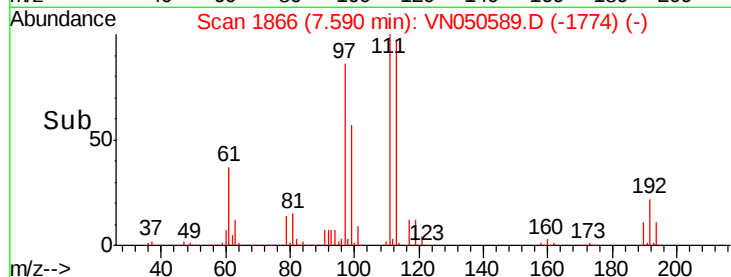
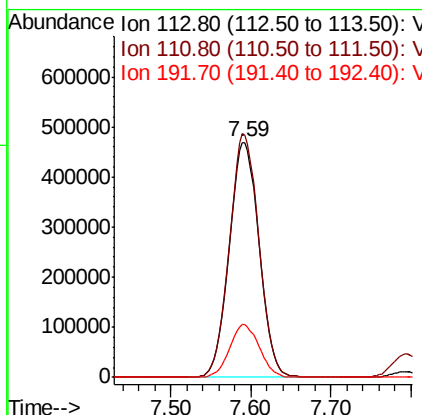
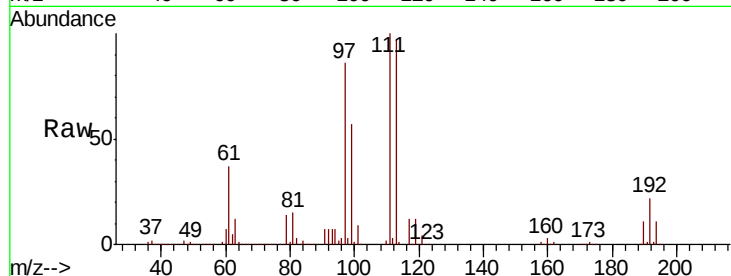




#35
 Dibromofluoromethane
 Concen: 143.769 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

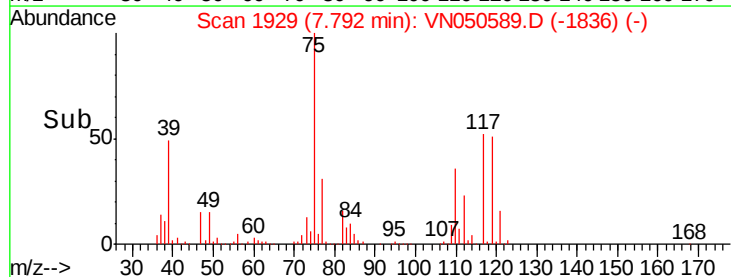
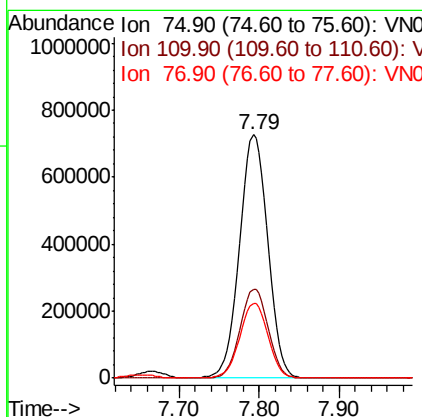
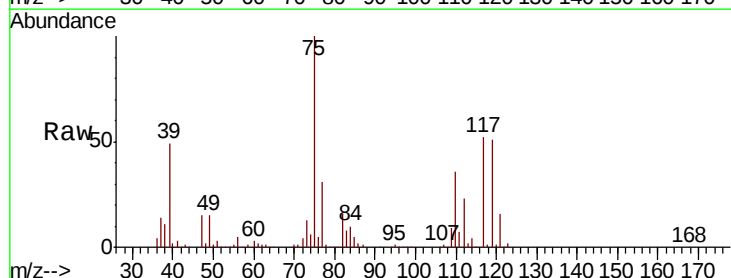
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

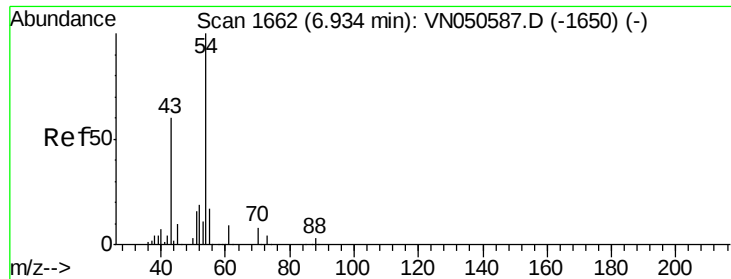
Tot Ion:113 Resp: 1183100
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.0 121.6
 192 22.4 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 153.726 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 75 Resp: 1727490
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.3 54.9
 77 31.1 25.0 37.4

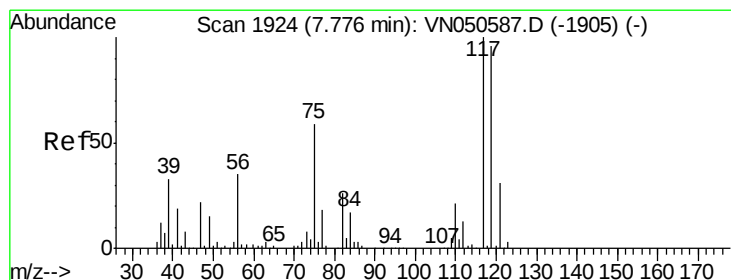
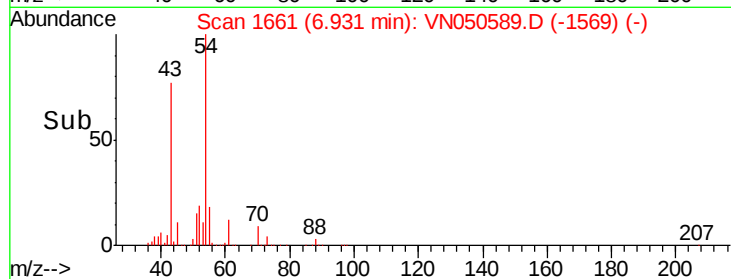
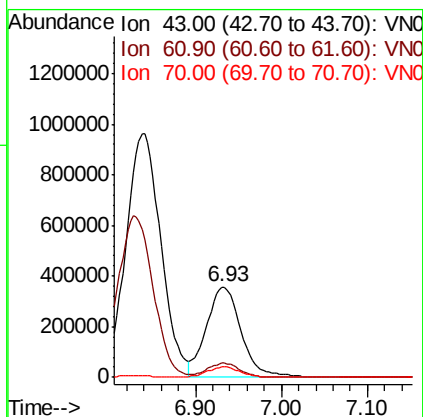
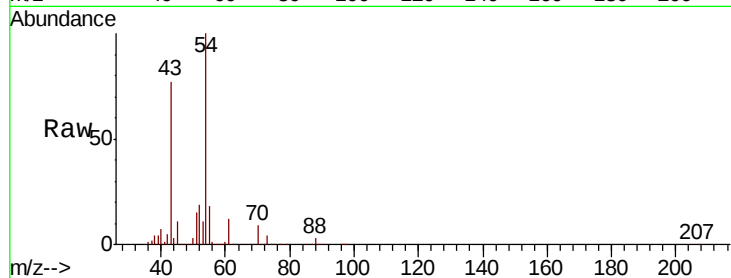




#37
Ethyl Acetate
Concen: 128.335 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

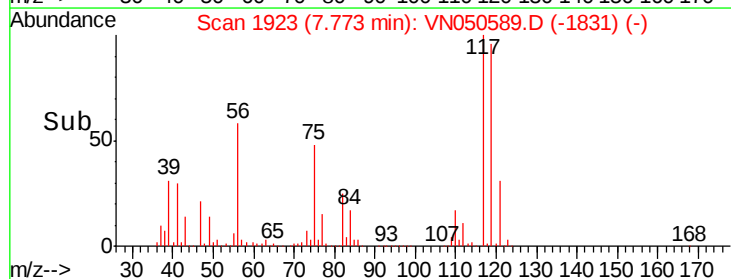
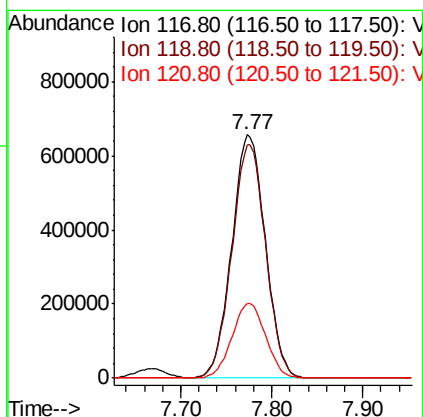
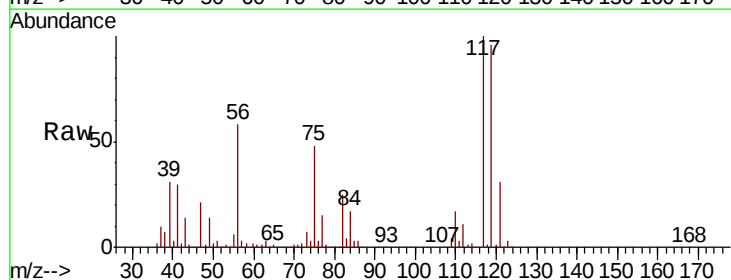
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

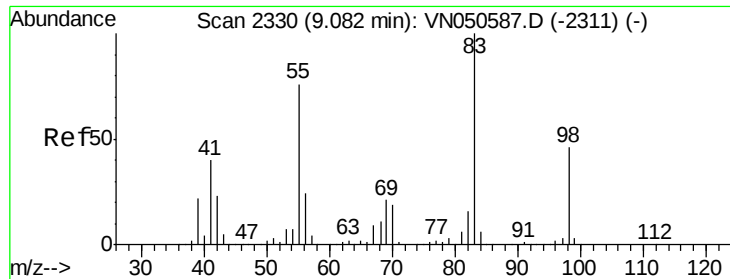
Tot Ion: 43 Resp: 998104
Ion Ratio Lower Upper
43 100
61 14.9 12.0 18.0
70 10.8 8.5 12.7



#38
Carbon Tetrachloride
Concen: 143.455 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 117 Resp: 1681589
Ion Ratio Lower Upper
117 100
119 95.7 76.6 115.0
121 30.9 25.0 37.6

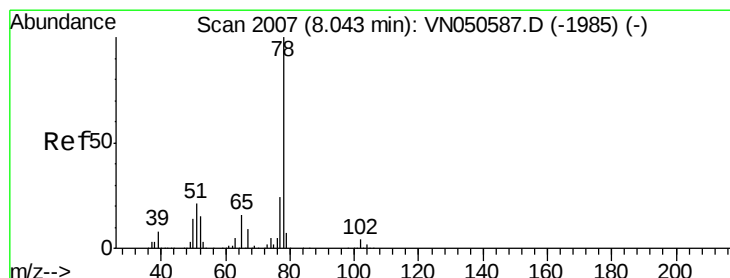
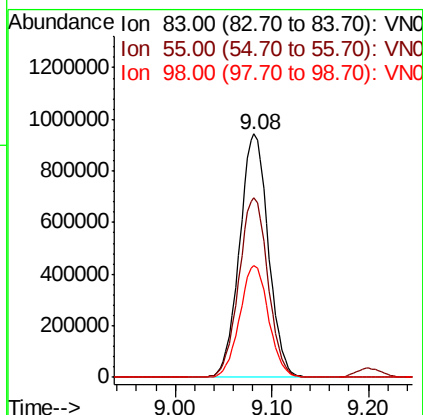
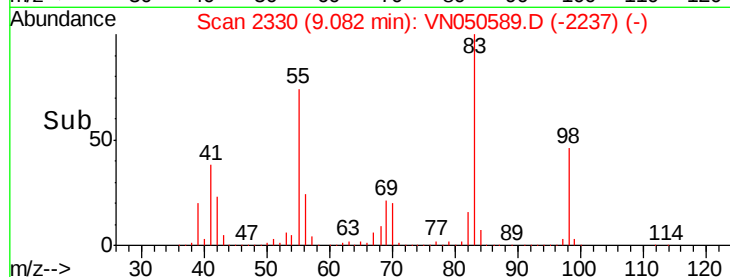
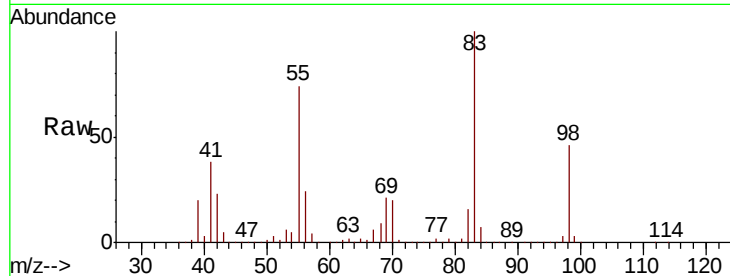




#39
Methvlcvclohexane
Concen: 158.976 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

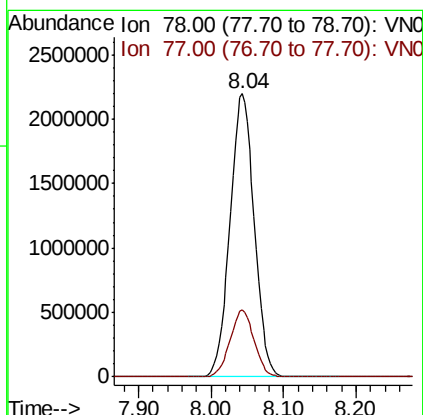
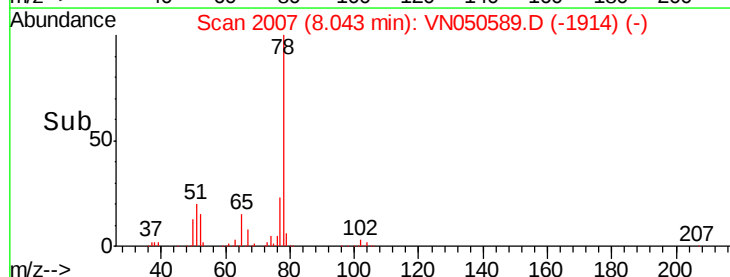
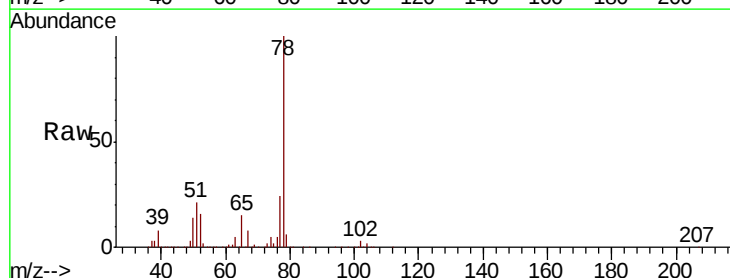
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

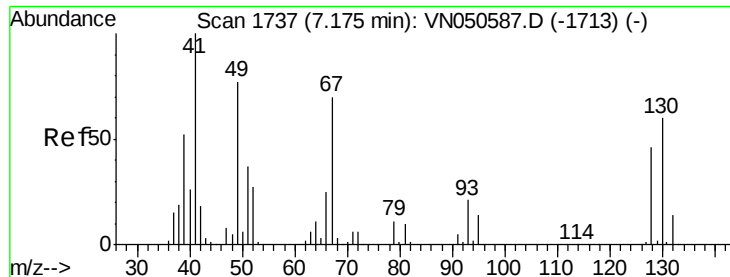
Tot Ion: 83 Resp: 1949005
Ion Ratio Lower Upper
83 100
55 73.5 60.6 91.0
98 46.0 37.0 55.4



#40
Benzene
Concen: 147.183 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 78 Resp: 5091897
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

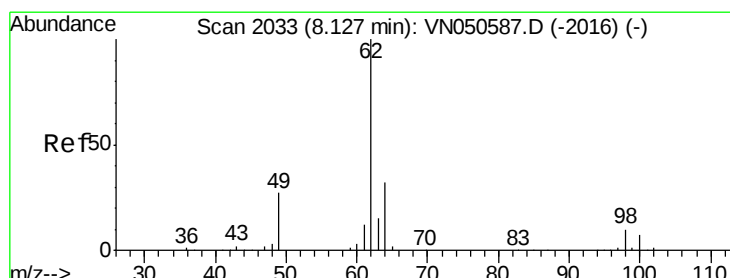
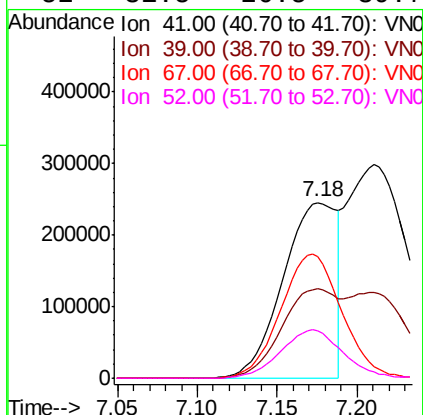
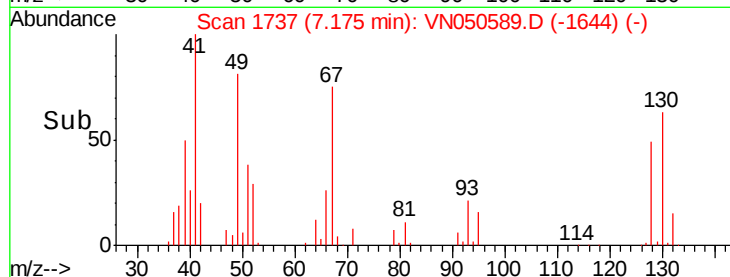
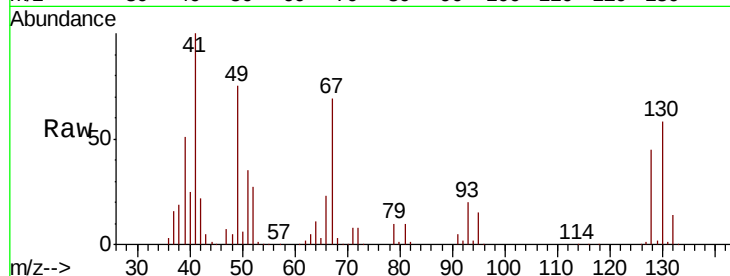




#41
Methacrylonitrile
Concen: 137.351 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

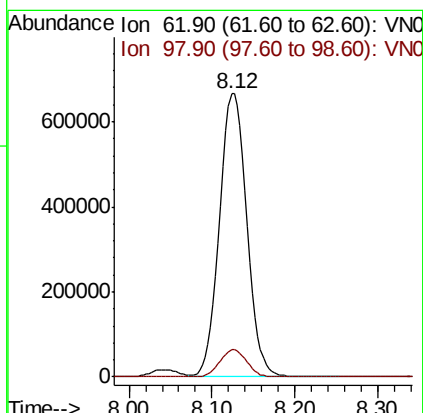
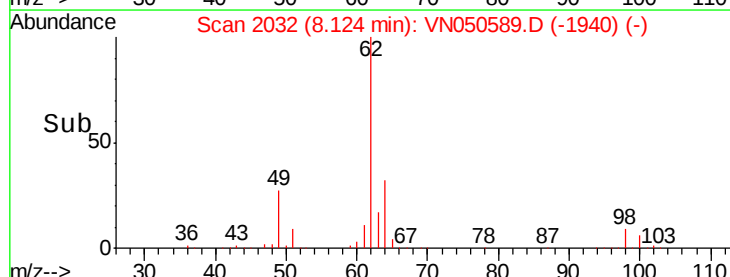
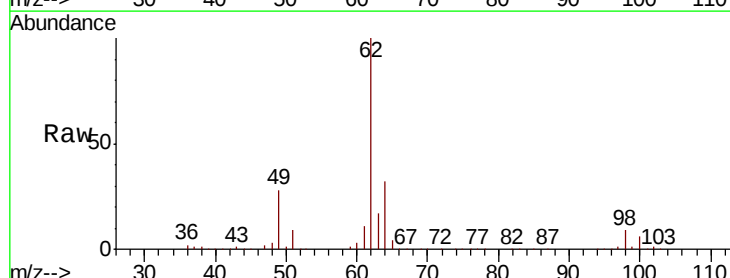
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

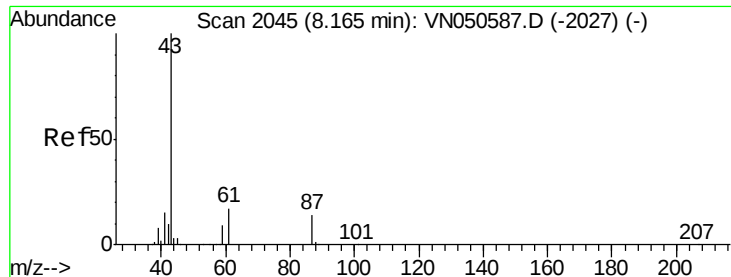
Tot Ion: 41 Resp: 576767
Ion Ratio Lower Upper
41 100
39 54.9 44.6 66.8
67 80.4 66.7 100.1
52 31.5 26.5 39.7



#42
1,2-Dichloroethane
Concen: 140.043 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 62 Resp: 1523766
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 131.056 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

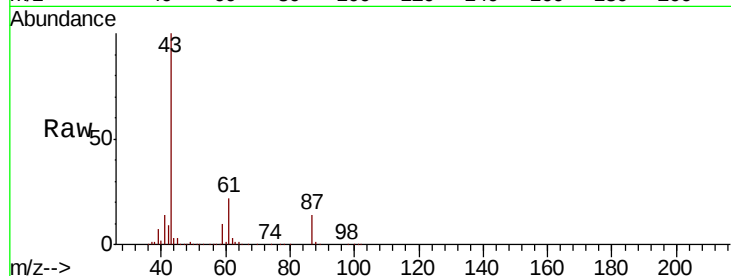
Tot Ion: 43 Resp: 1778981

Ion Ratio Lower Upper

43 100

61 30.8 16.2 24.2#

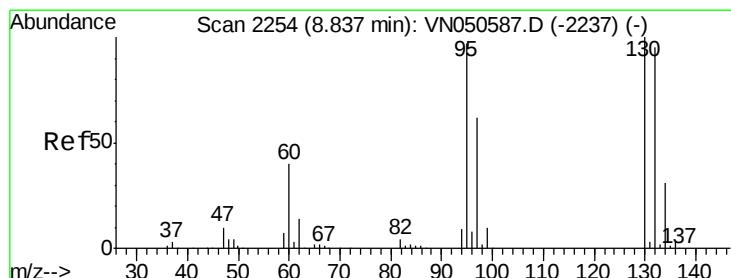
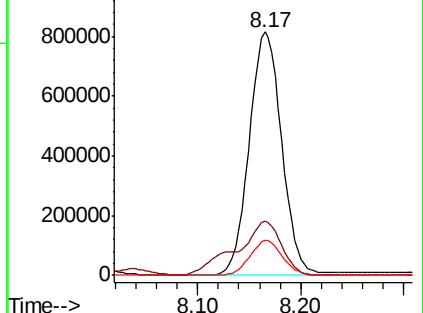
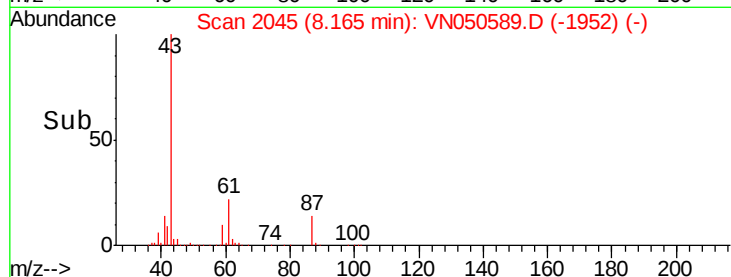
87 14.2 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050589.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050589.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050589.D (-1952) (-)



#44

Trichloroethene

Concen: 145.079 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050589.D

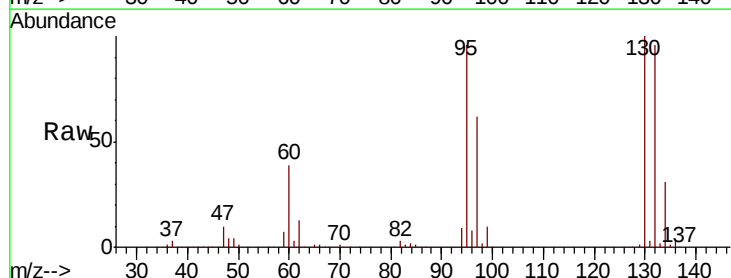
Acq: 14 Aug 2018 1:49

Tgt Ion:130 Resp: 1349953

Ion Ratio Lower Upper

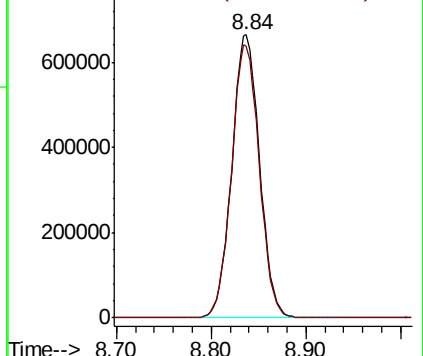
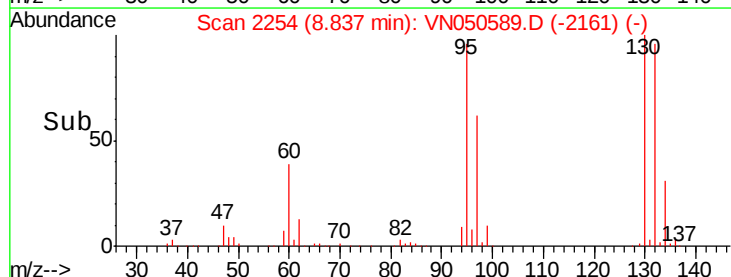
130 100

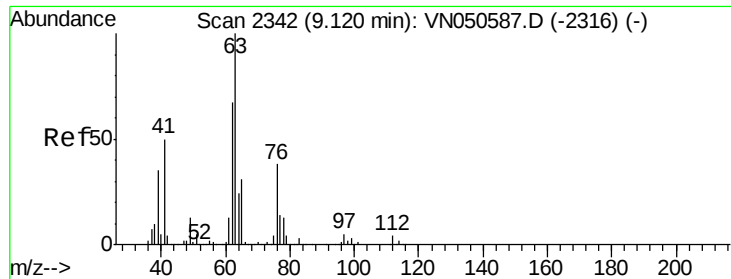
95 96.1 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050589.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050589.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 147.030 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

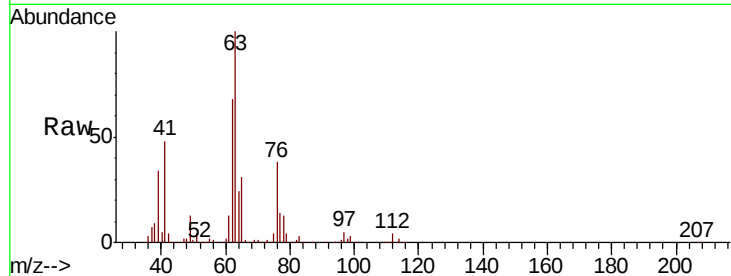
VSTDIC150

Tot Ion: 63 Resp: 1336624

Ion Ratio Lower Upper

63 100

65 31.0 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

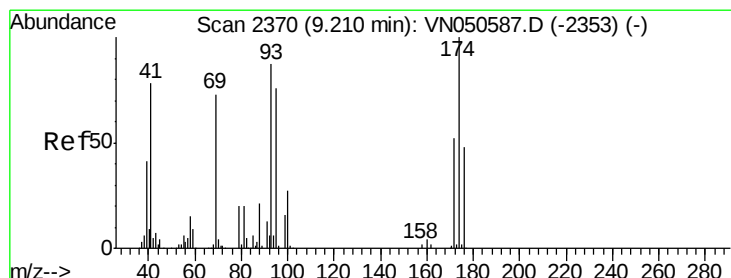
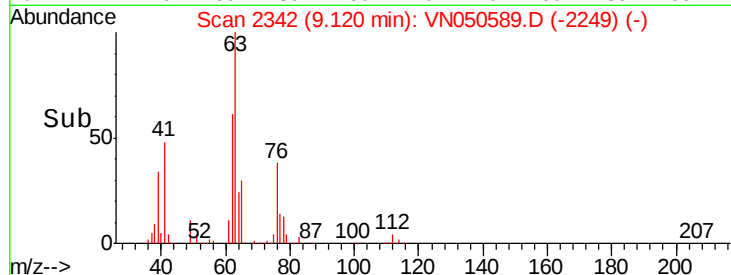
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 138.947 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

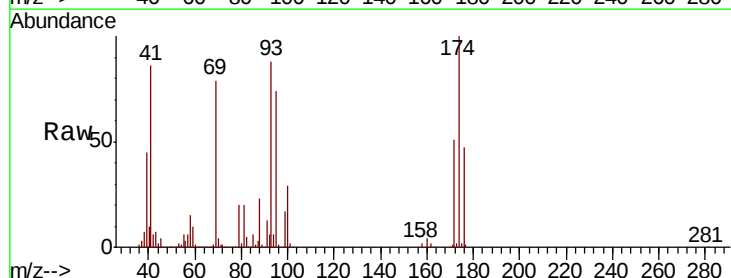
Tgt Ion: 93 Resp: 771563

Ion Ratio Lower Upper

93 100

95 84.6 69.1 103.7

174 112.8 91.0 136.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

600000

500000

400000

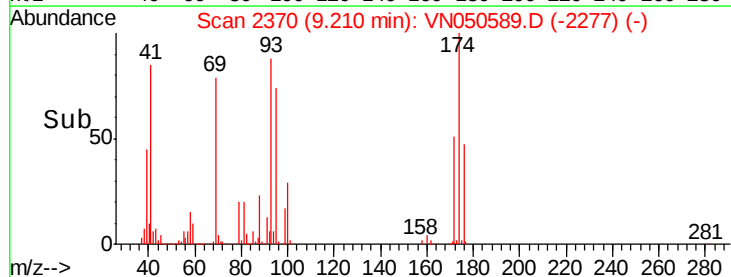
300000

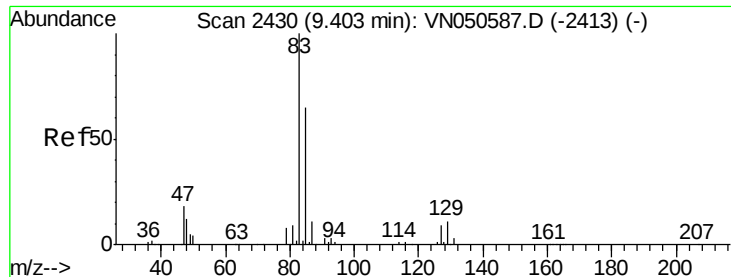
200000

100000

0

Time-->

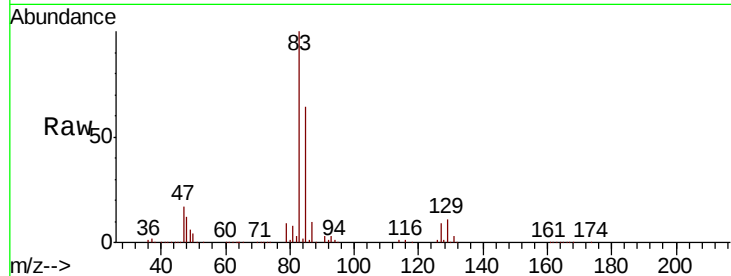




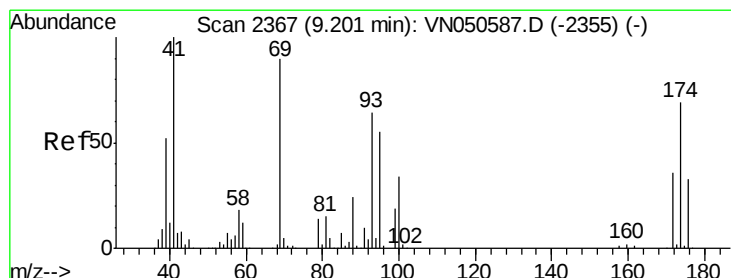
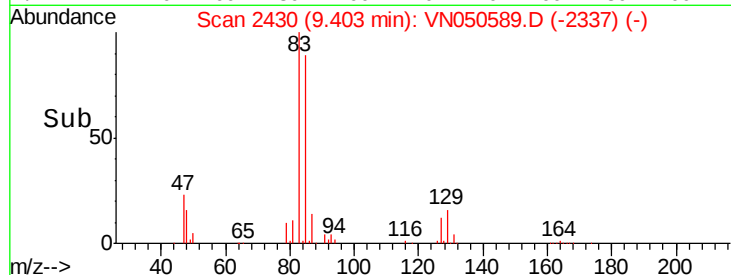
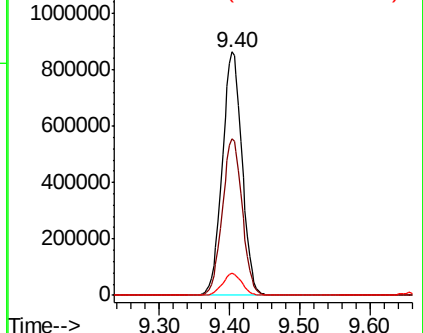
#47
Bromodichloromethane
Concen: 145.304 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1687827
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.6
127 9.0 7.2 10.8

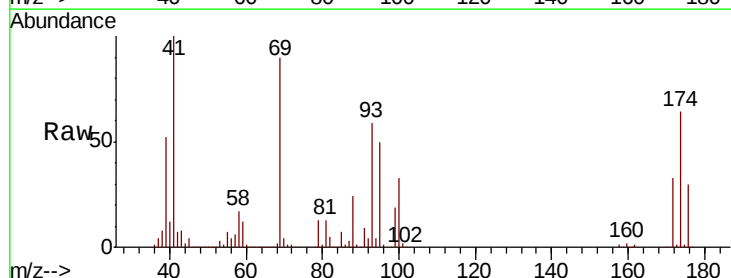


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

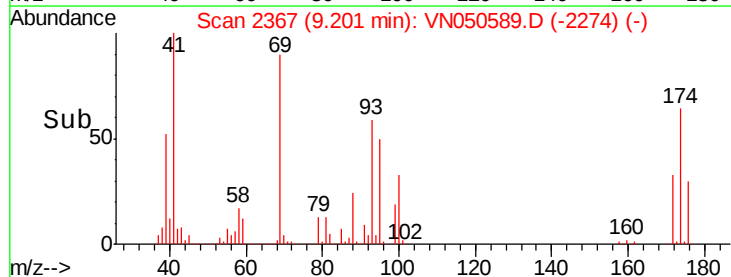
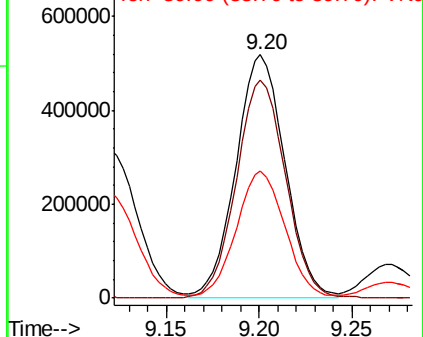


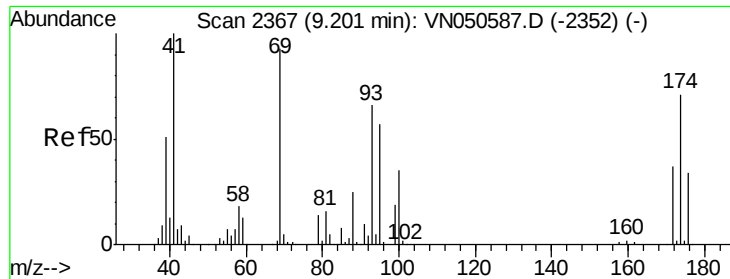
#48
Methyl methacrylate
Concen: 140.930 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 41 Resp: 954905
Ion Ratio Lower Upper
41 100
69 89.9 73.4 110.0
39 51.8 43.0 64.6



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





#49

1,4-Dioxane

Concen: 2411.931 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

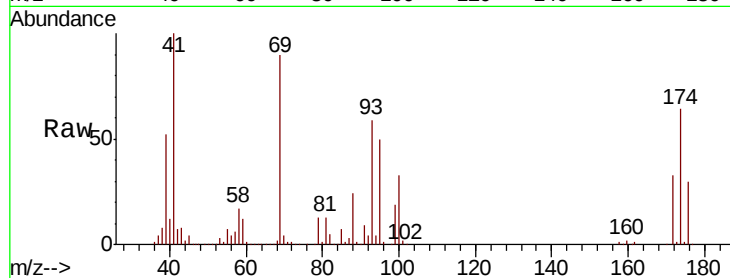
Tot Ion: 88 Resp: 248428

Ion Ratio Lower Upper

88 100

43 31.6 25.9 38.9

58 68.4 56.5 84.7

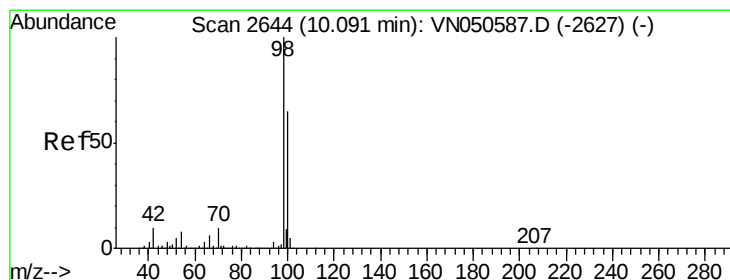
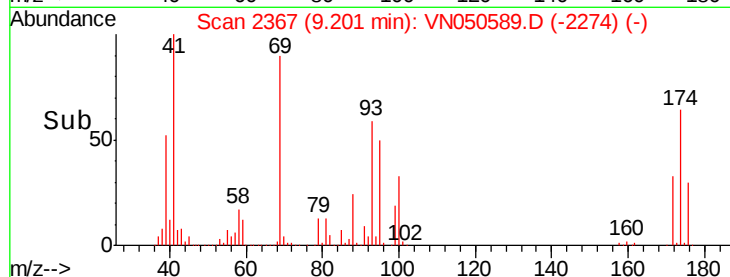
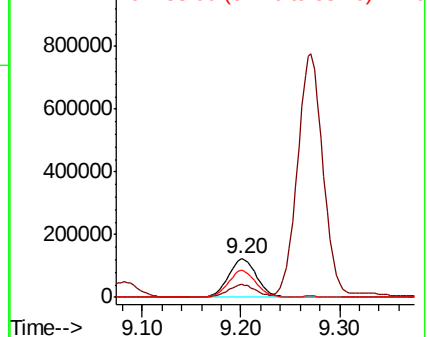


Abundance

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: 150.854 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050589.D

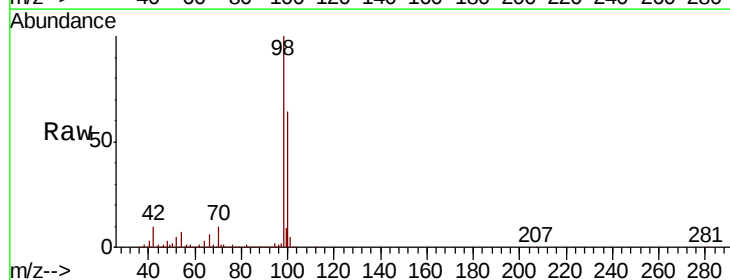
Acq: 14 Aug 2018 1:49

Tgt Ion: 98 Resp: 4666396

Ion Ratio Lower Upper

98 100

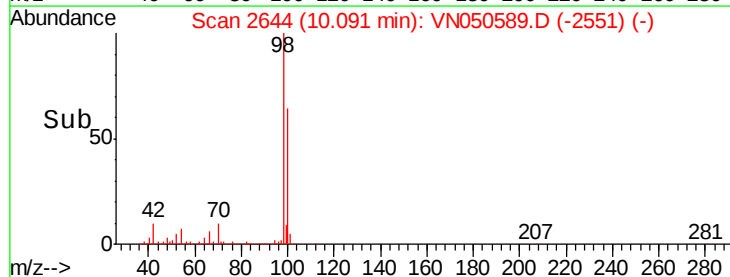
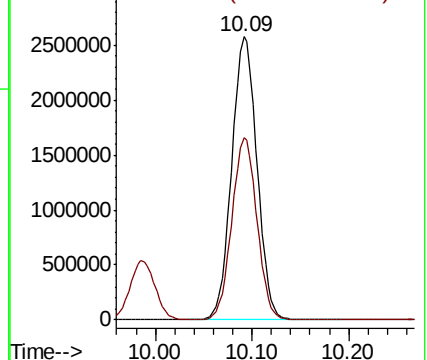
100 64.0 51.8 77.8

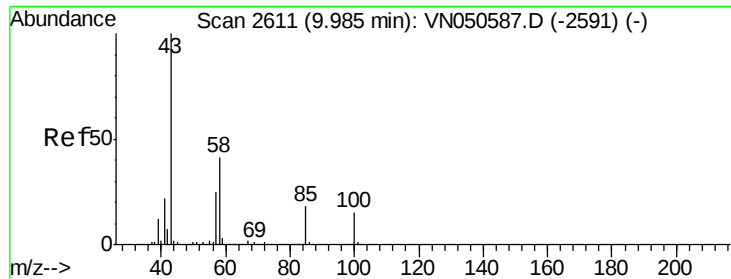


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 637.999 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

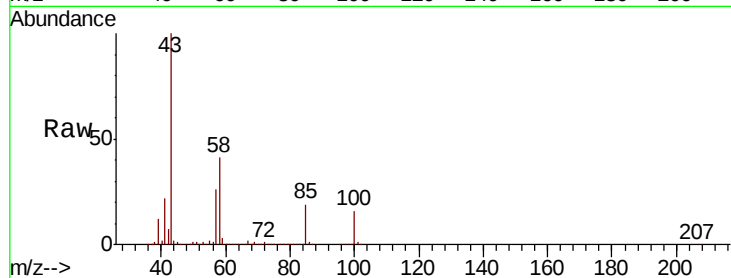
VSTDIC150

Tot Ion: 43 Resp: 6183088

Ion Ratio Lower Upper

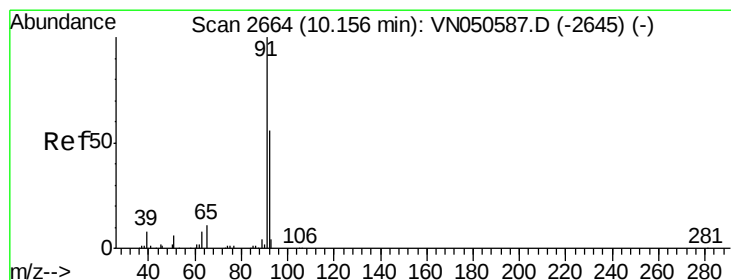
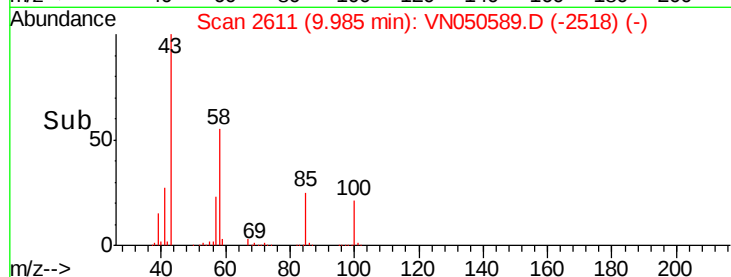
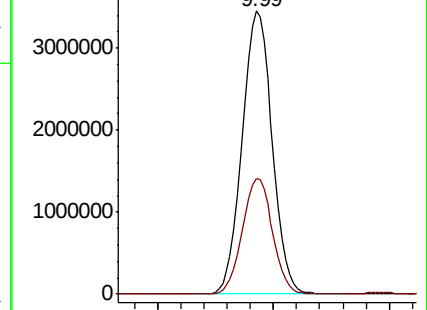
43 100

58 41.1 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2591) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2591) (-)



#52

Toluene

Concen: 155.255 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050589.D

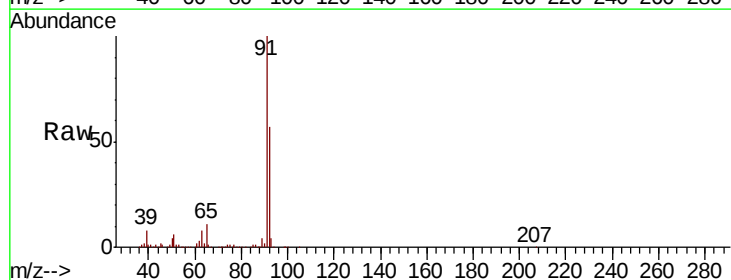
Acq: 14 Aug 2018 1:49

Tgt Ion: 92 Resp: 3222169

Ion Ratio Lower Upper

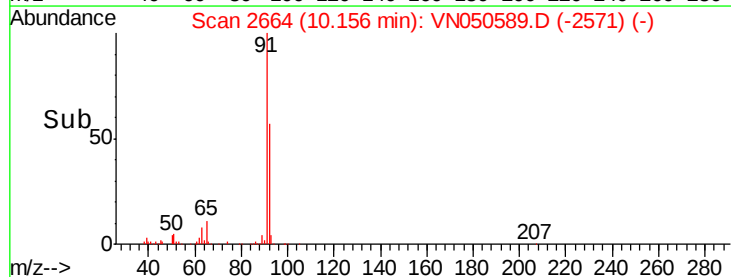
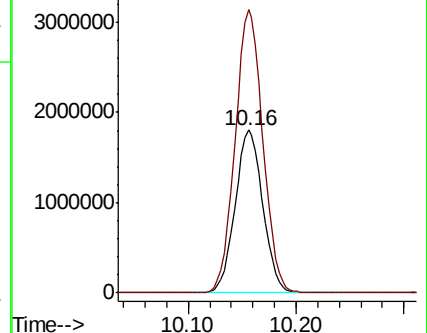
92 100

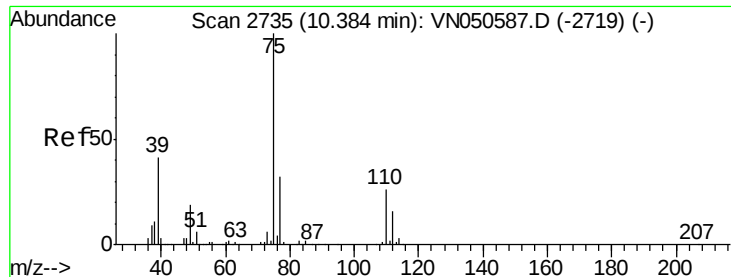
91 174.1 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN050587.D (-2645) (-)

Ion 91.00 (90.70 to 91.70): VN050587.D (-2645) (-)





#53

t-1,3-Dichloropropene

Concen: 153.212 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

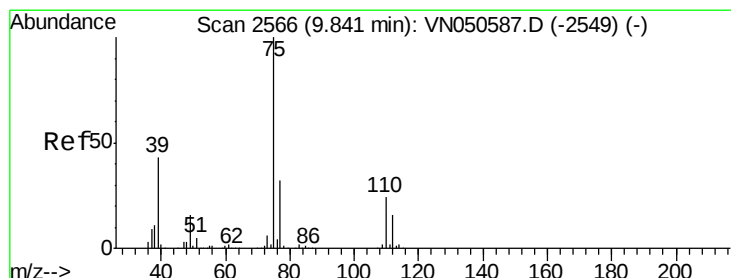
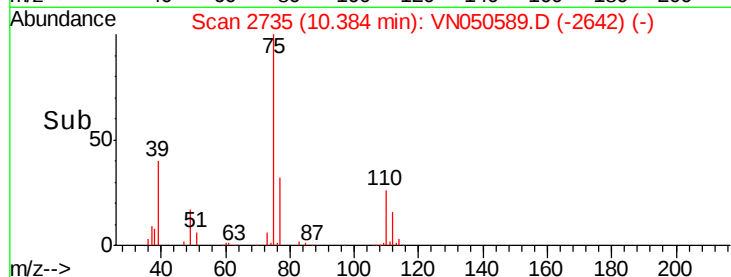
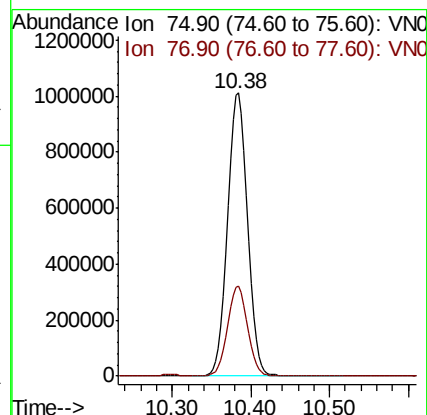
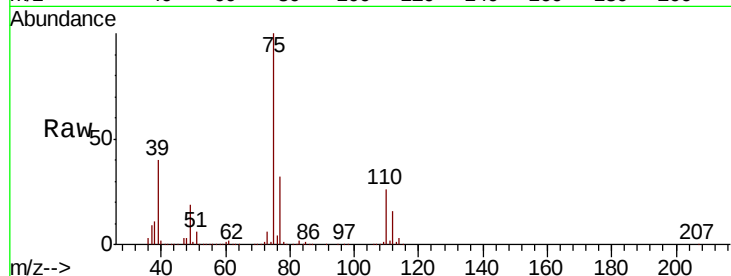
VSTDIC150

Tot Ion: 75 Resp: 1766979

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 152.276 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

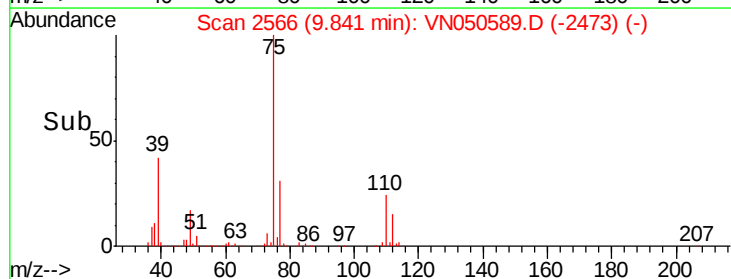
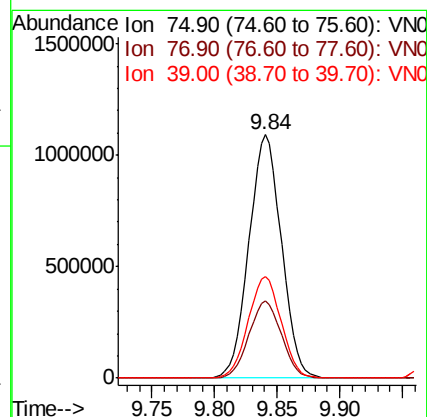
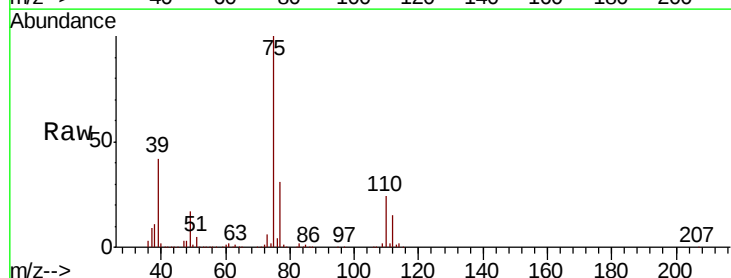
Tgt Ion: 75 Resp: 1970411

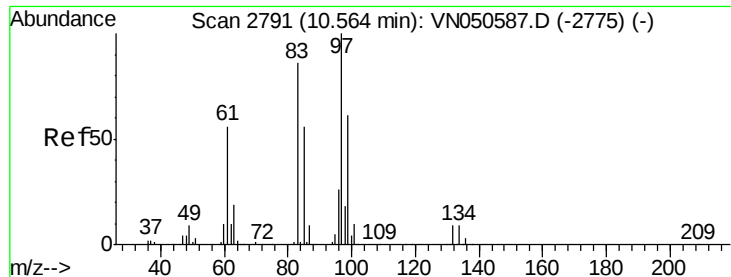
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 41.9 34.4 51.6



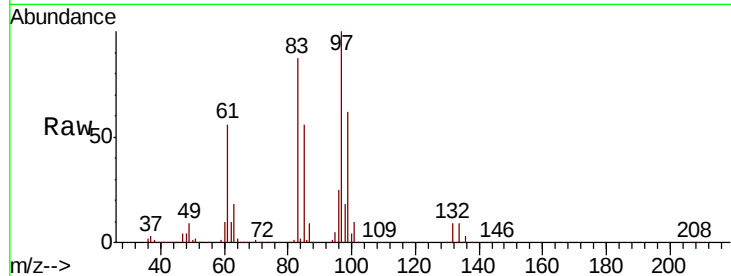


#55
 1,1,2-Trichloroethane
 Concen: 139.394 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

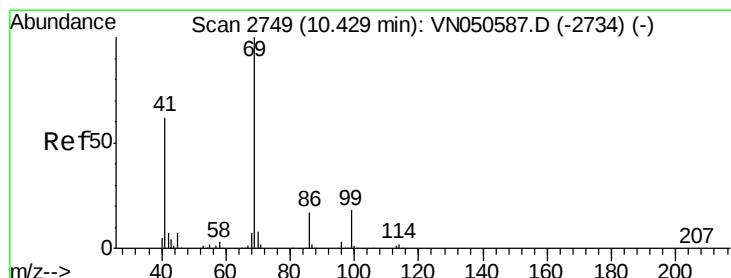
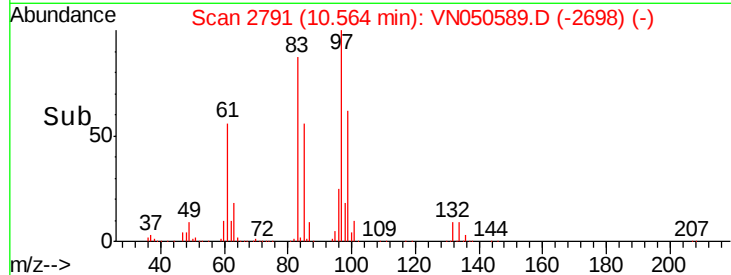
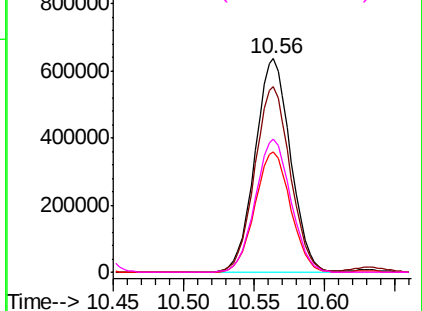
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 1119586

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.5	102.7
85	56.2	44.6	66.8
99	62.2	49.1	73.7



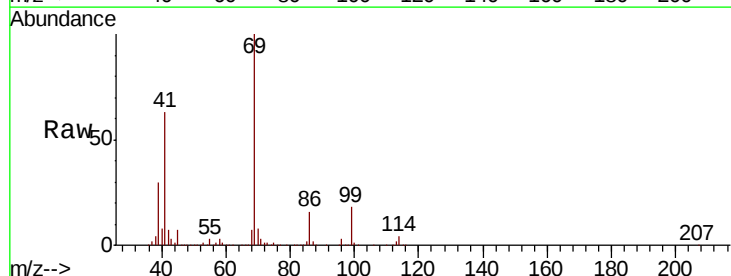
Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



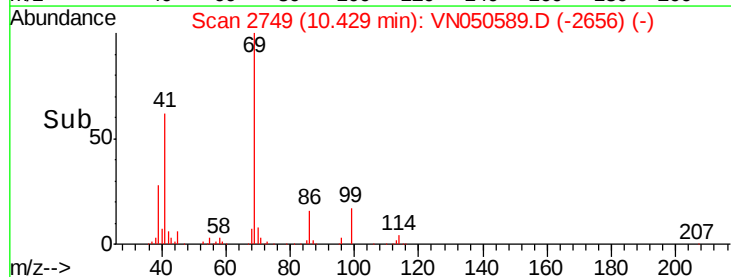
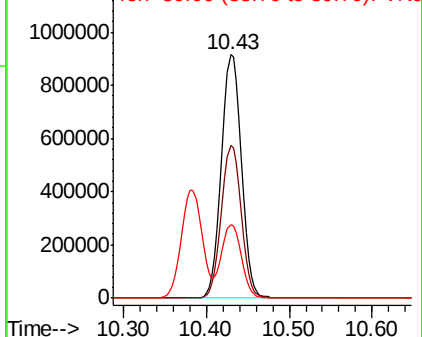
#56
 Ethyl methacrylate
 Concen: 152.840 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

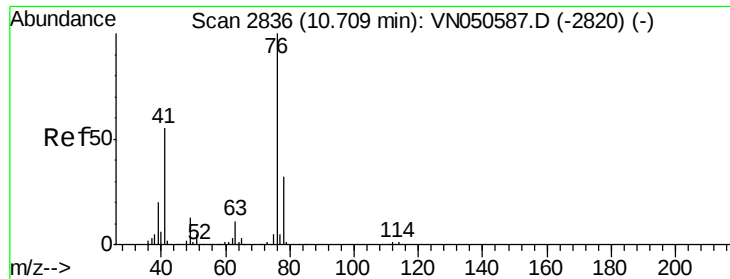
Tgt Ion: 69 Resp: 1527695

Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.4	24.2	36.2



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

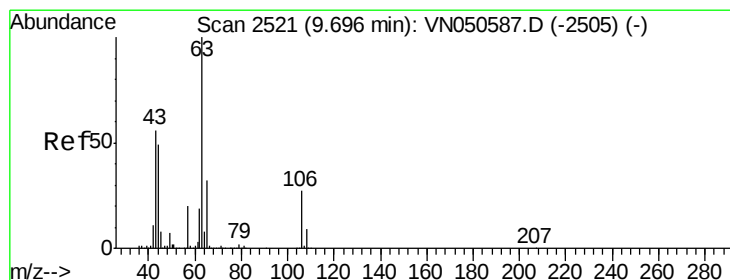
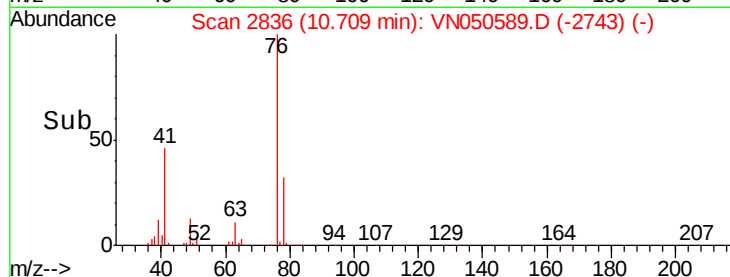
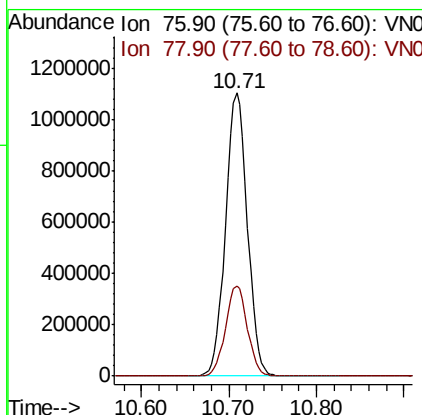
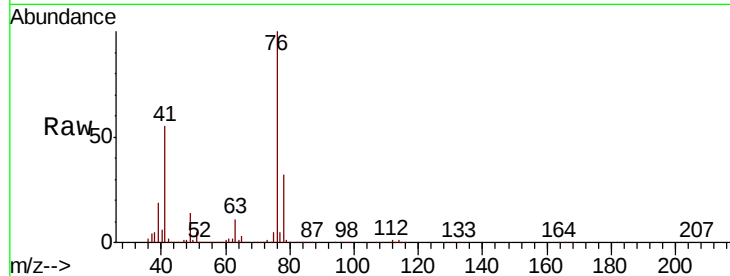




#57
 1,3-Dichloropropane
 Concen: 144.684 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

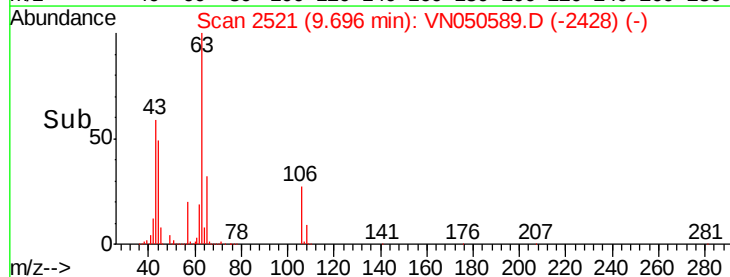
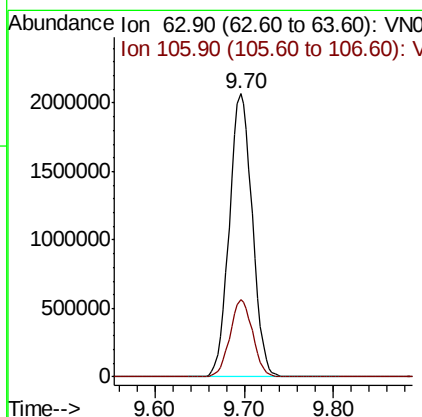
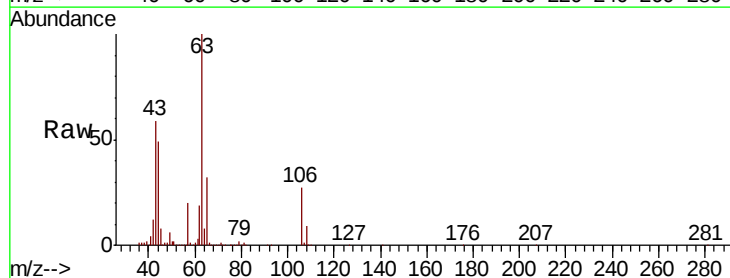
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

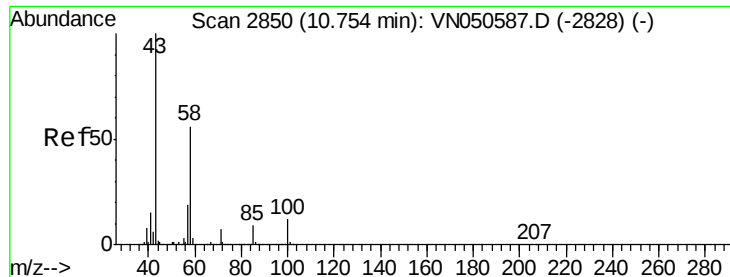
Tot Ion: 76 Resp: 1909508
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 787.744 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 63 Resp: 3678405
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

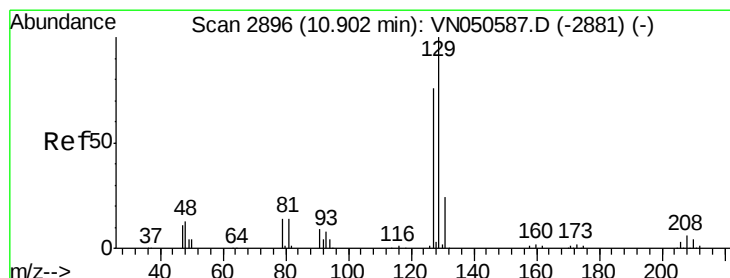
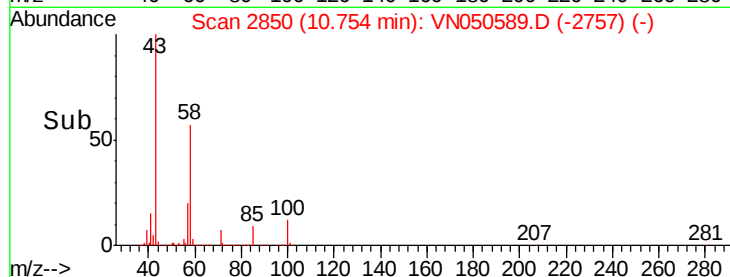
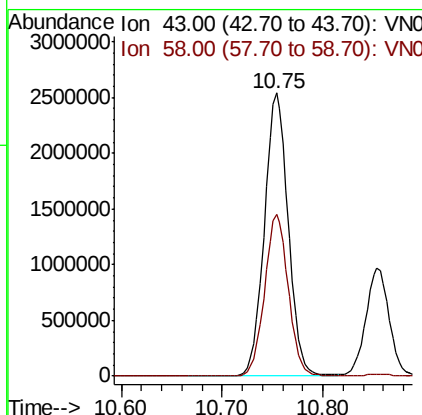
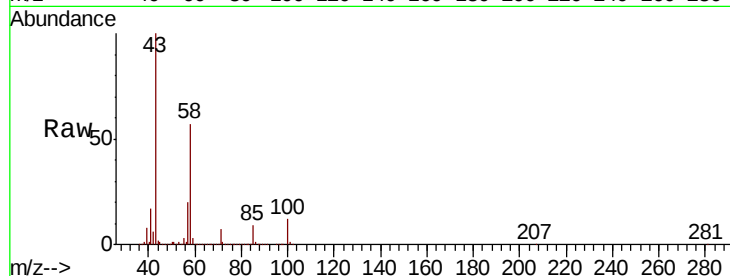




#59
2-Hexanone
Concen: 620.998 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

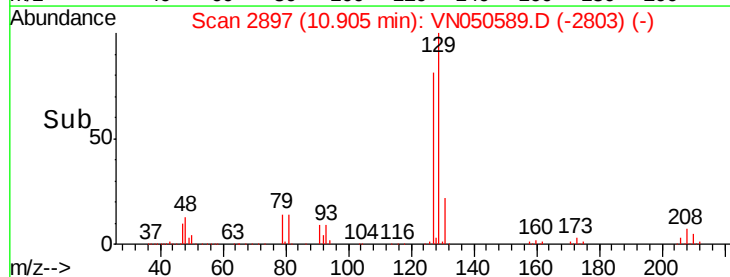
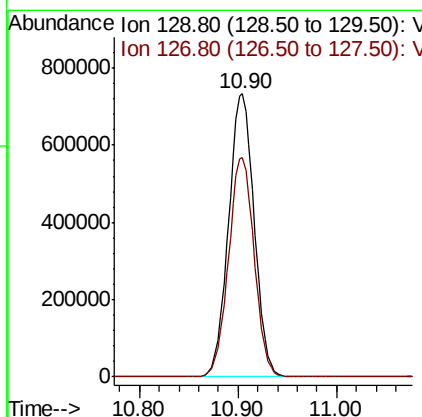
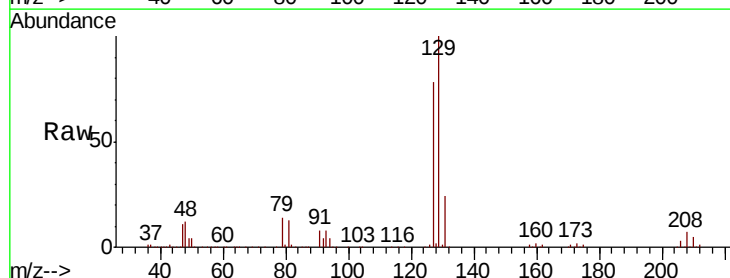
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

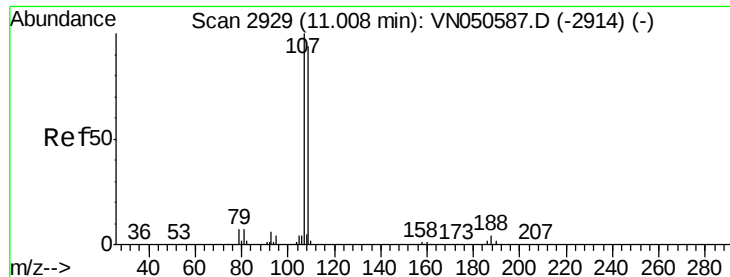
Tot Ion: 43 Resp: 4173400
Ion Ratio Lower Upper
43 100
58 57.0 28.0 84.0



#60
Dibromochloromethane
Concen: 149.941 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 129 Resp: 1328576
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 146.335 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

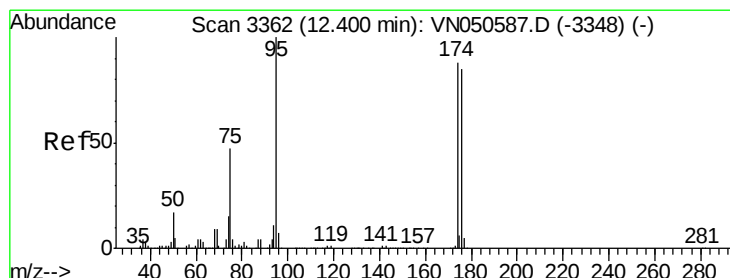
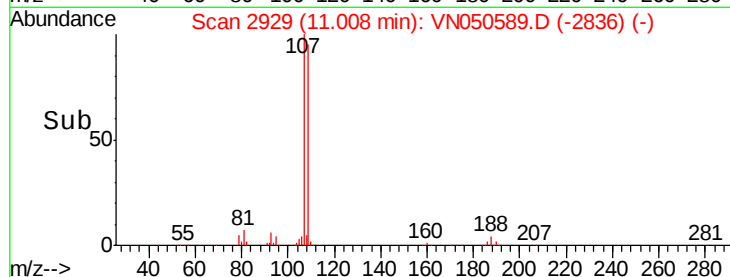
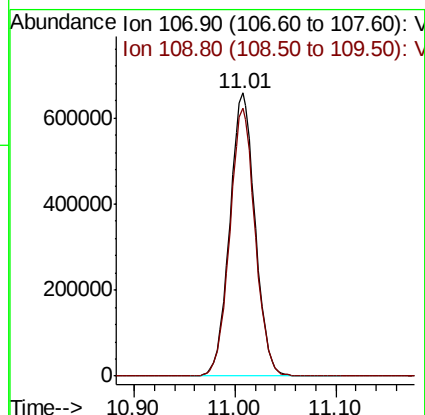
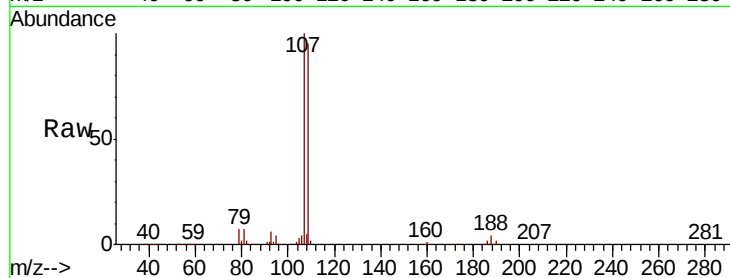
VSTDIC150

Tot Ion:107 Resp: 1153488

Ion Ratio Lower Upper

107 100

109 94.5 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 158.592 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

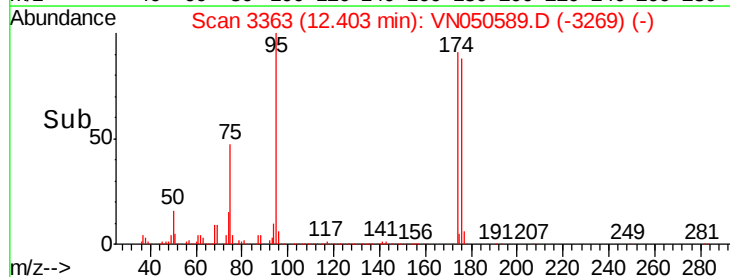
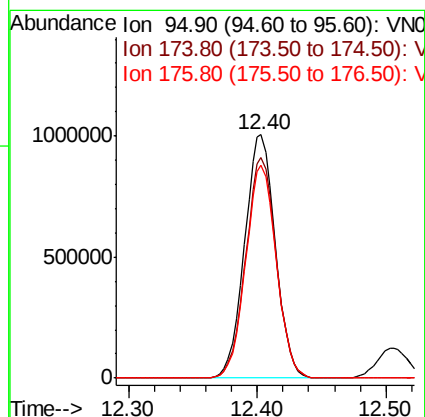
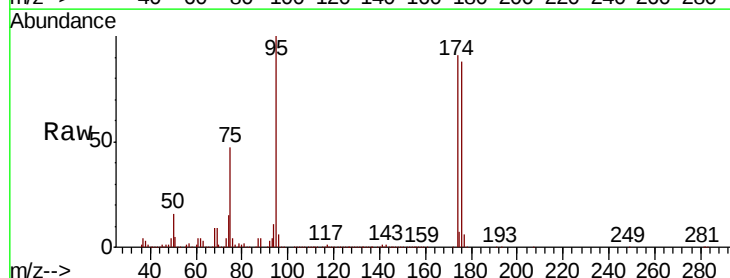
Tgt Ion: 95 Resp: 1663786

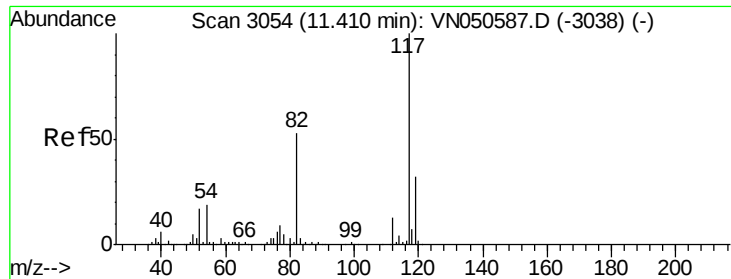
Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.8

176 87.2 0.0 175.0

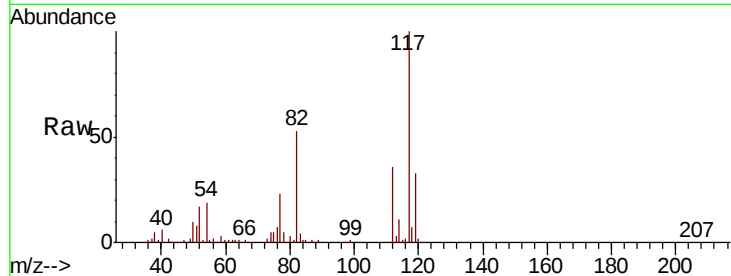




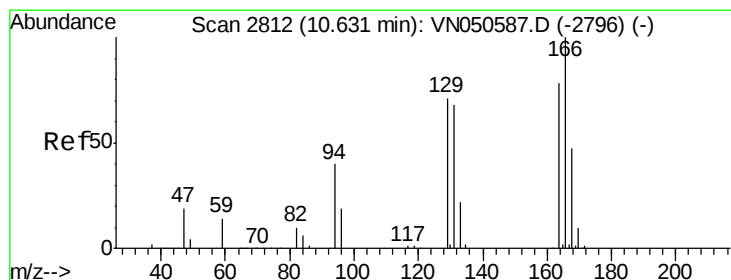
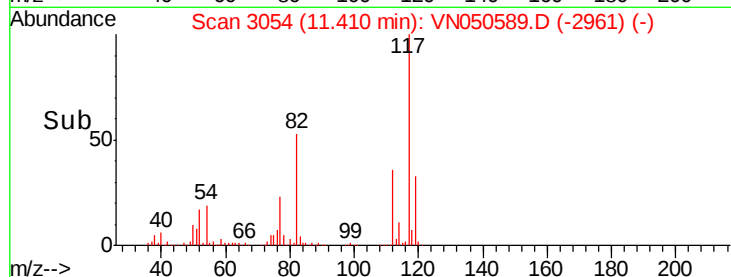
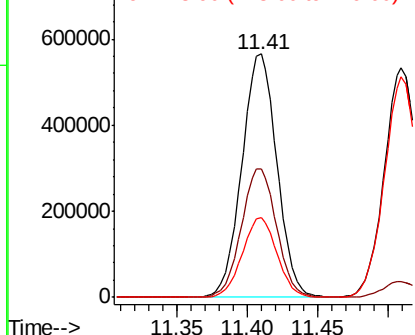
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 985863
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 32.9 25.8 38.8

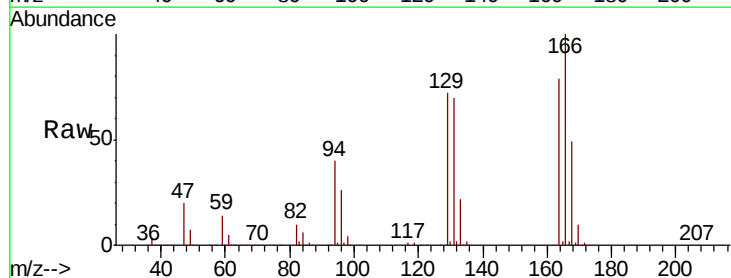


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

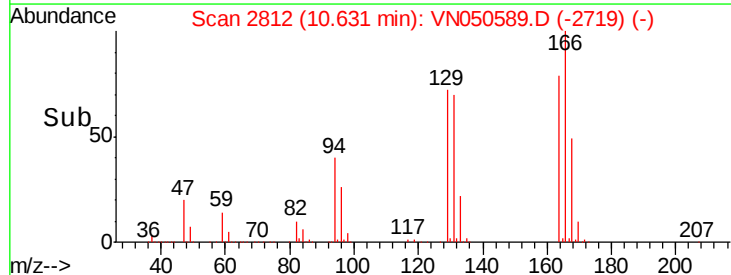
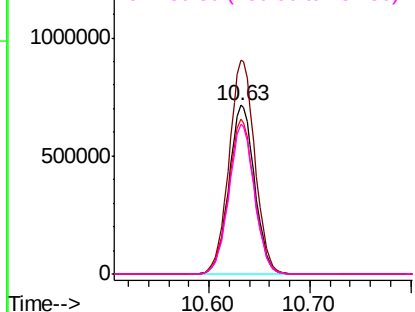


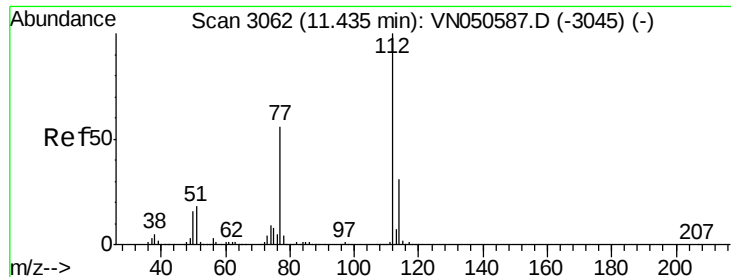
#64
Tetrachloroethene
Concen: 137.797 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion:164 Resp: 1267444
Ion Ratio Lower Upper
164 100
166 126.8 102.1 153.1
129 91.6 72.7 109.1
131 88.7 69.9 104.9



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

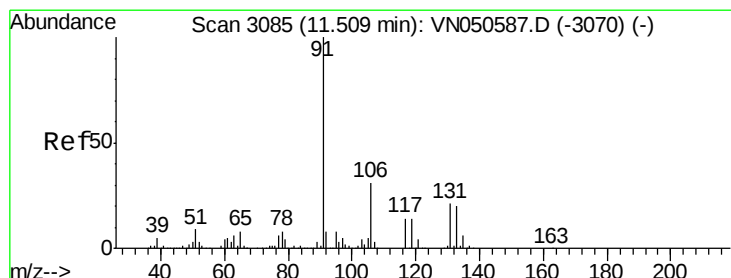
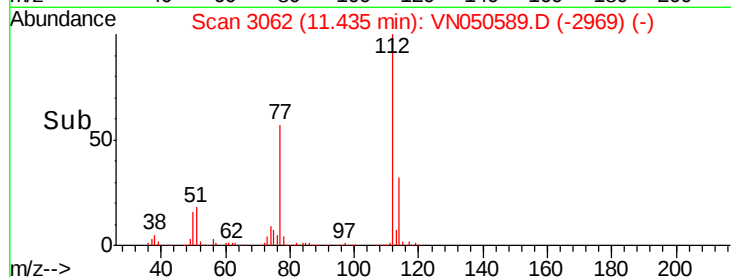
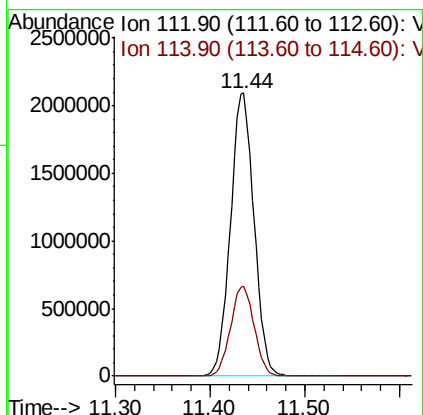
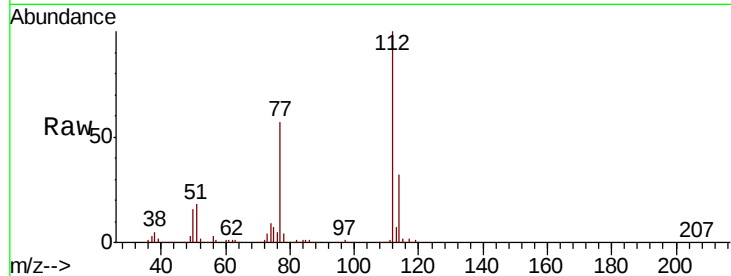




#65
Chlorobenzene
Concen: 146.052 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

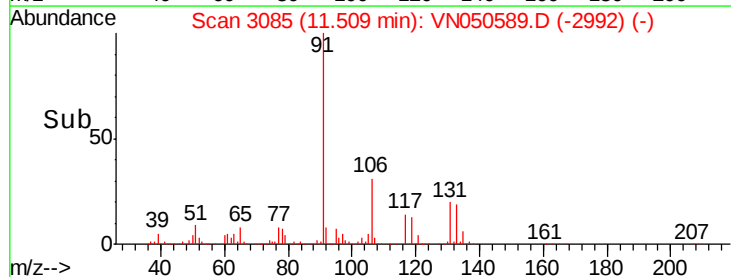
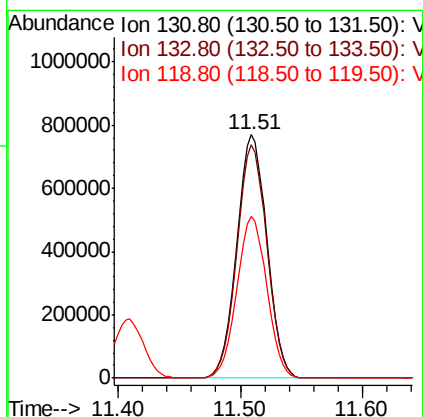
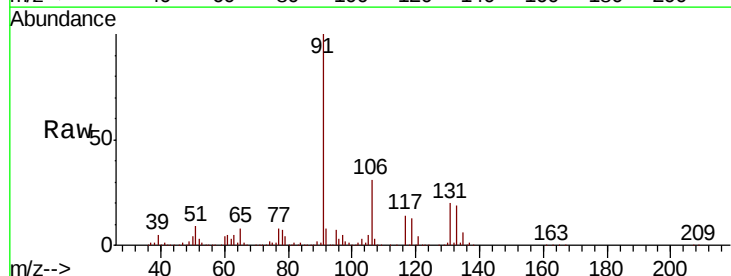
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

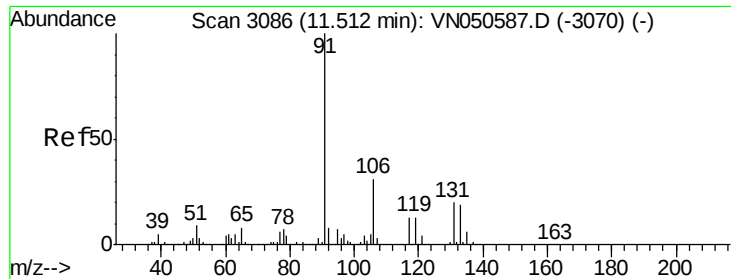
Tot Ion:112 Resp: 3611520
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 145.067 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion:131 Resp: 1308725
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.2 33.1 99.3

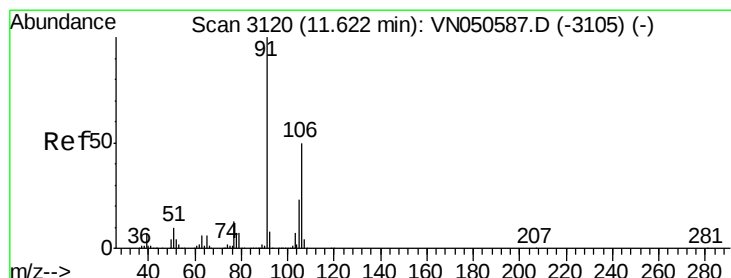
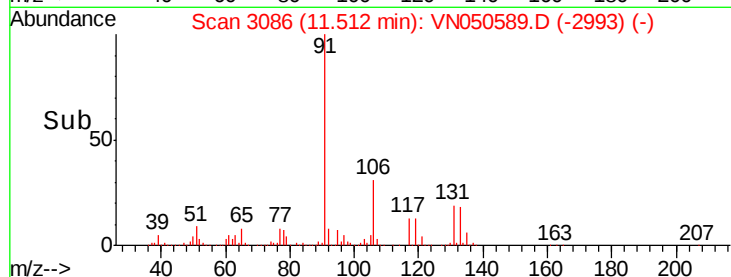
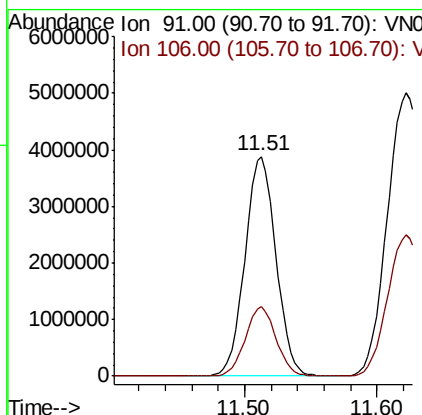
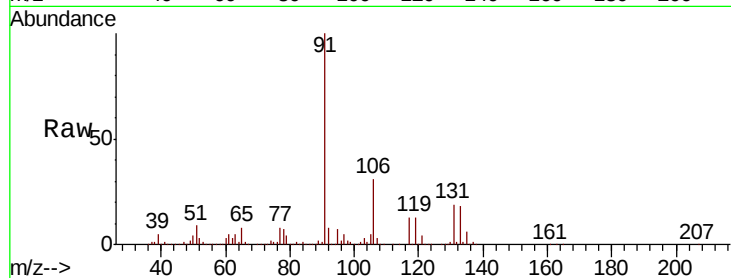




#67
Ethyl Benzene
Concen: 157.537 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

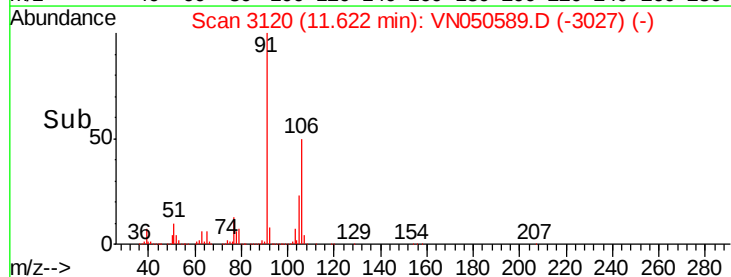
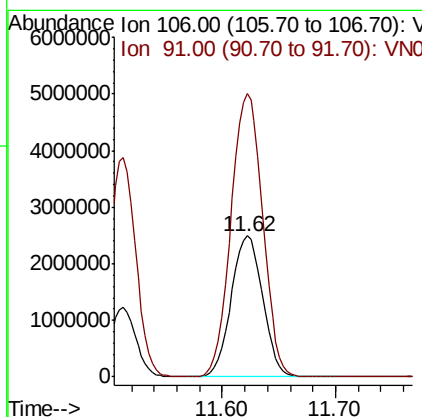
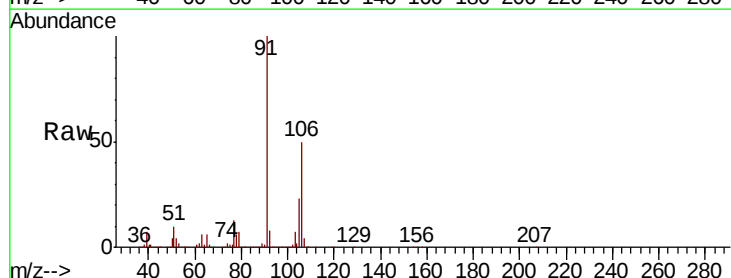
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

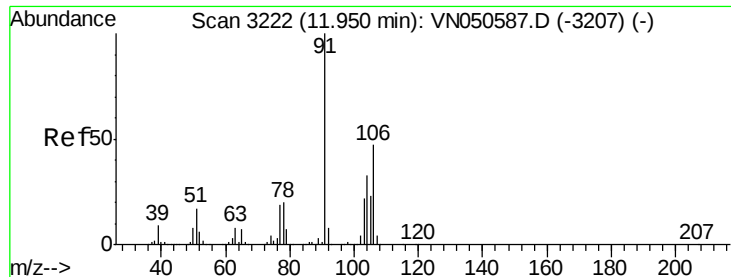
Tot Ion: 91 Resp: 6297817
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2



#68
m/p-Xylenes
Concen: 316.289 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 106 Resp: 4816895
Ion Ratio Lower Upper
106 100
91 202.3 161.5 242.3

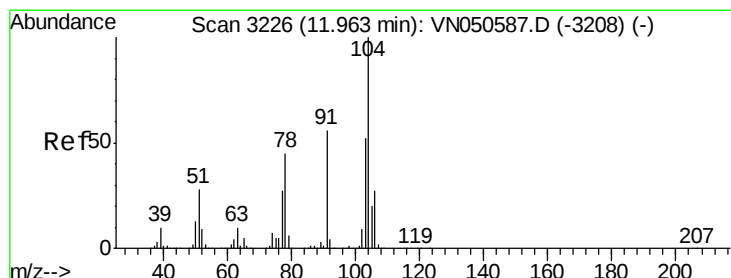
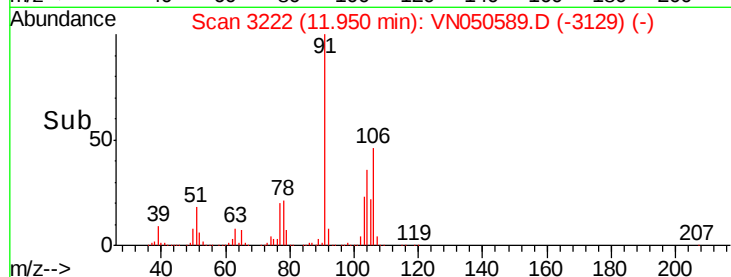
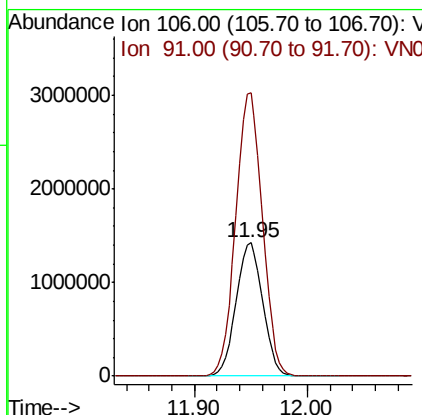
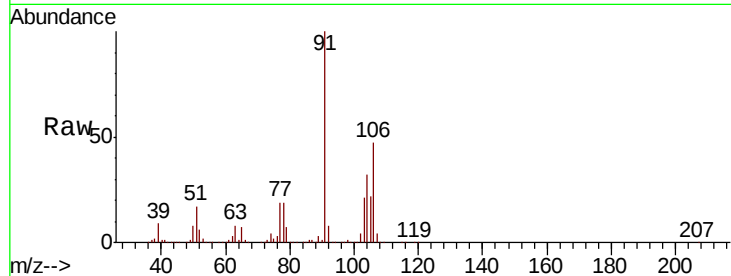




#69
o-Xylene
Concen: 160.114 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

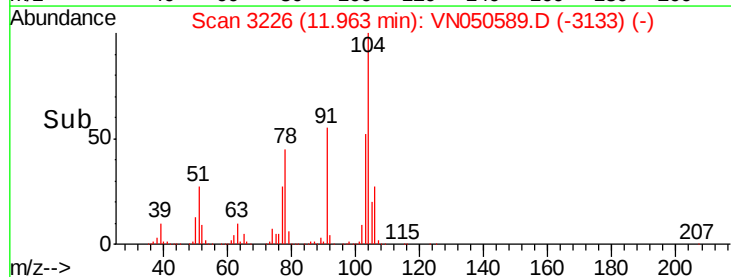
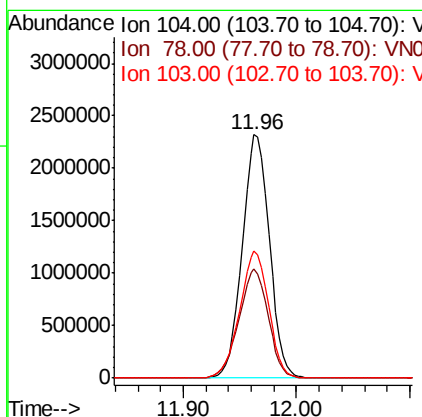
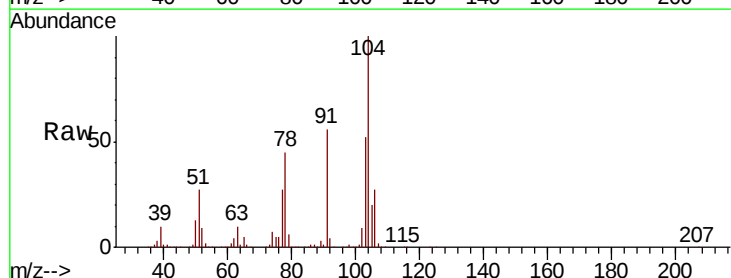
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

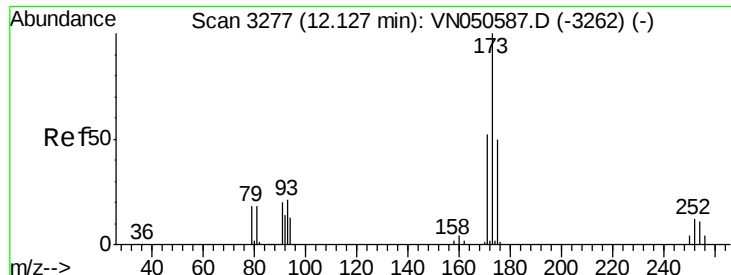
Tot Ion:106 Resp: 2344737
Ion Ratio Lower Upper
106 100
91 212.7 106.8 320.4



#70
Styrene
Concen: 163.594 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion:104 Resp: 3885151
Ion Ratio Lower Upper
104 100
78 48.6 39.1 58.7
103 55.8 44.9 67.3





#71

Bromoform

Concen: 146.216 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

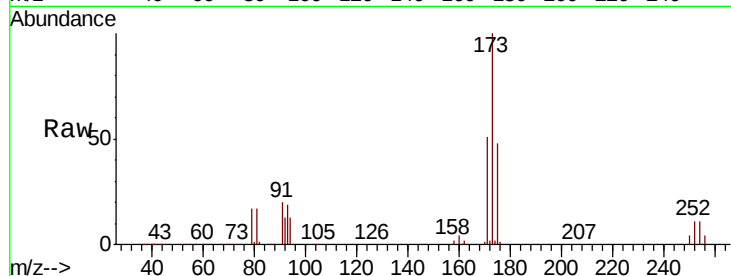
Tot Ion:173 Resp: 946516

Ion Ratio Lower Upper

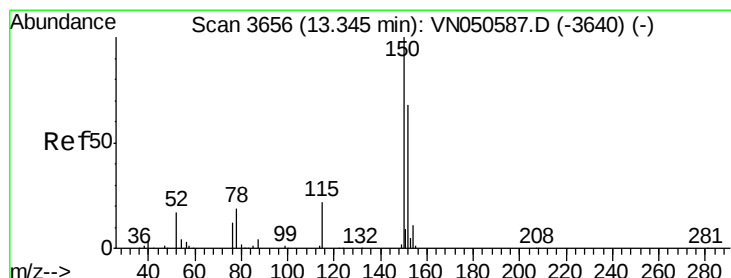
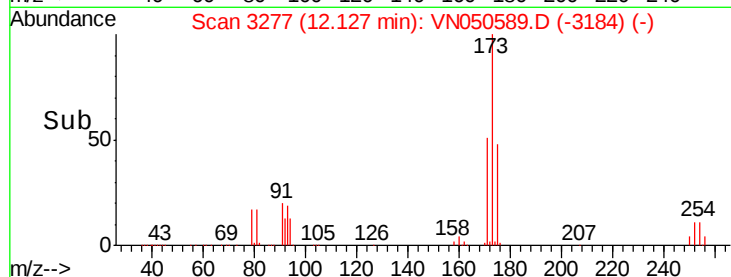
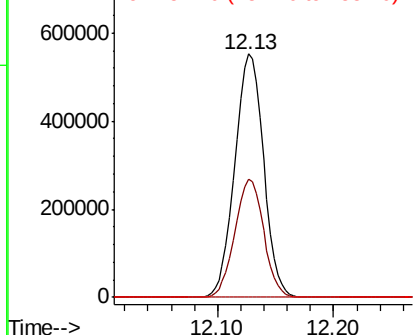
173 100

175 48.6 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

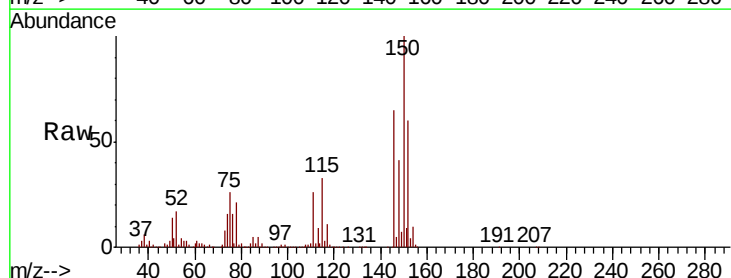
Tgt Ion:152 Resp: 540148

Ion Ratio Lower Upper

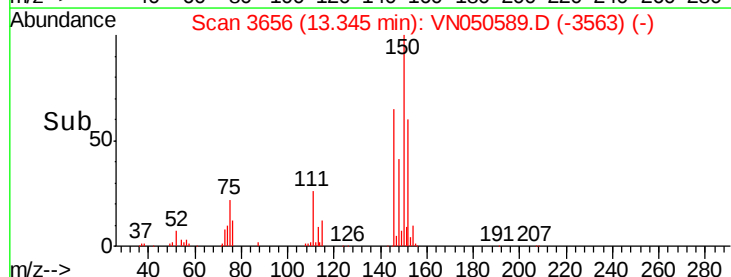
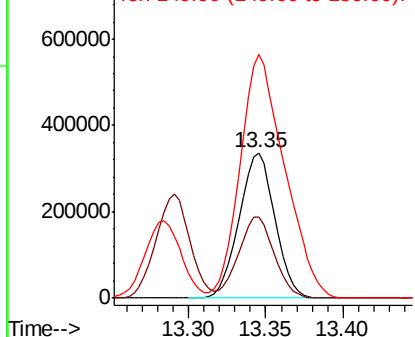
152 100

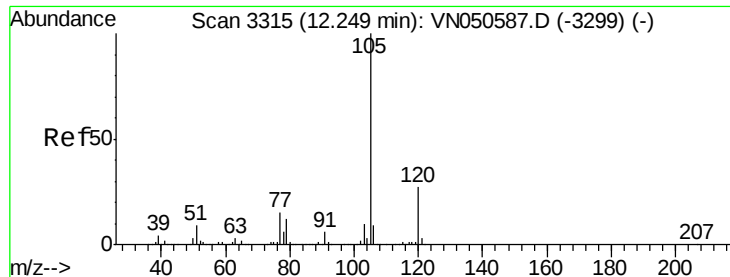
115 55.7 28.1 84.2

150 209.0 0.0 347.8



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





#73

Isopropylbenzene

Concen: 150.626 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

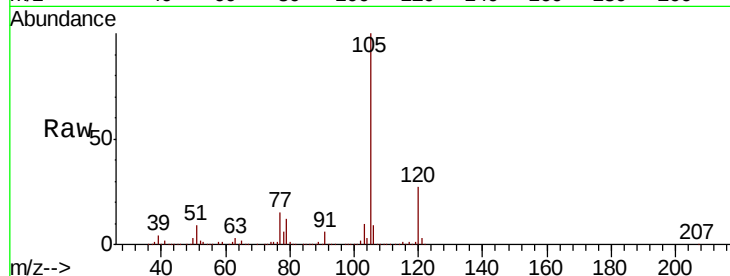
VSTDIC150

Tot Ion:105 Resp: 6151229

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

4000000

3000000

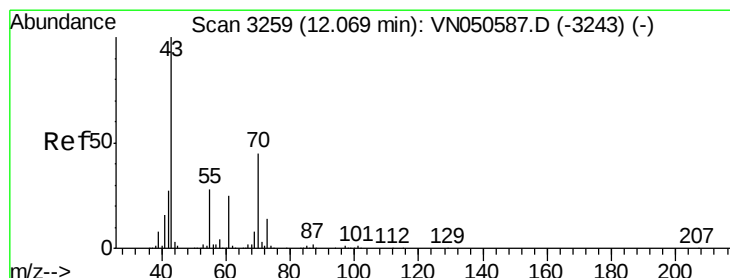
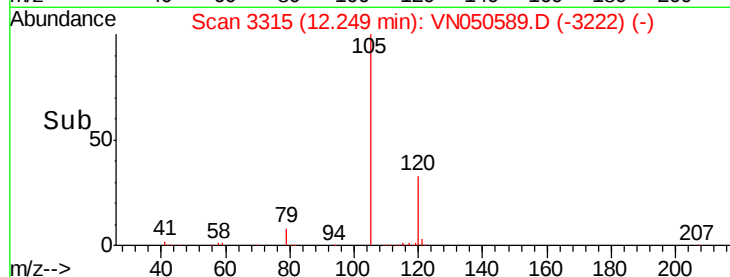
2000000

1000000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 129.157 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 1649602

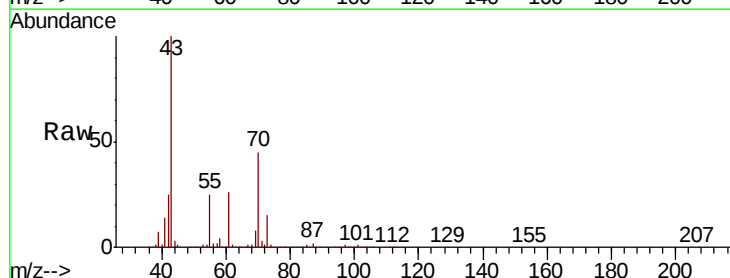
Ion Ratio Lower Upper

43 100

70 45.0 35.9 53.9

55 25.5 22.2 33.4

61 25.9 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

1500000

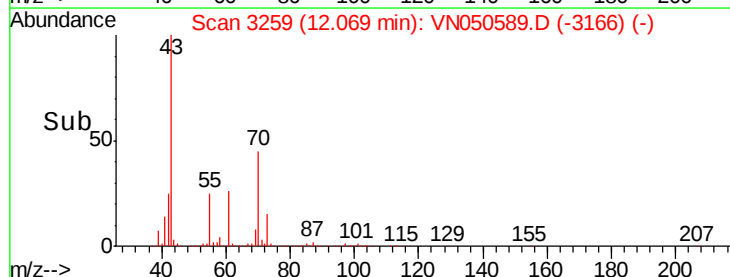
1000000

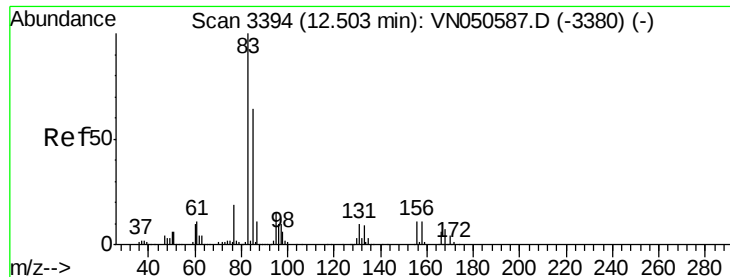
500000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 122.025 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

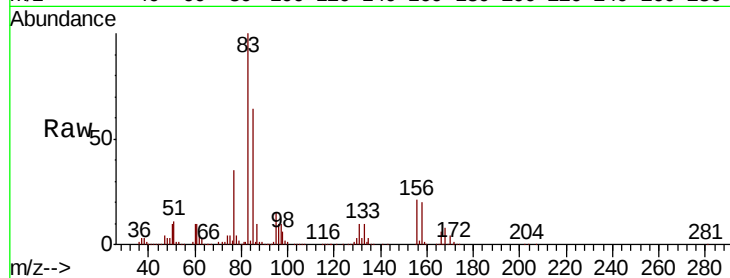
Tot Ion: 83 Resp: 1406880

Ion Ratio Lower Upper

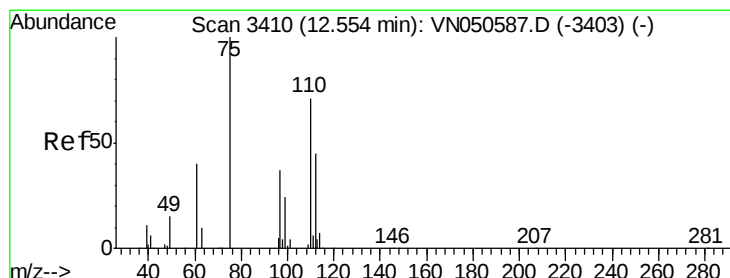
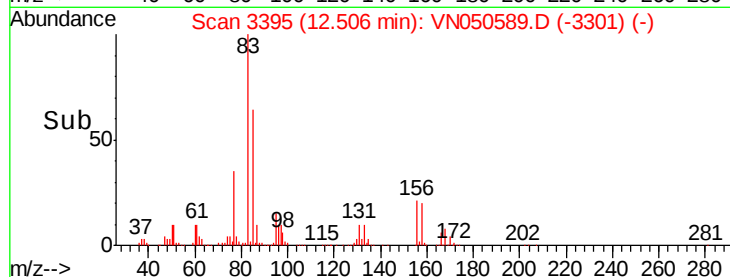
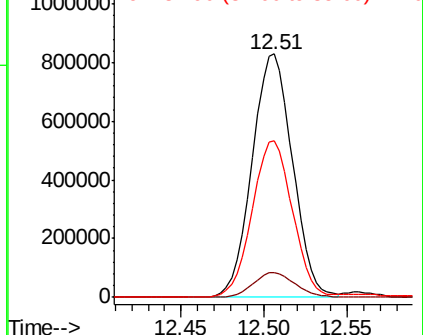
83 100

131 10.4 5.3 15.9

85 64.1 32.1 96.5



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: 177.884 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050589.D

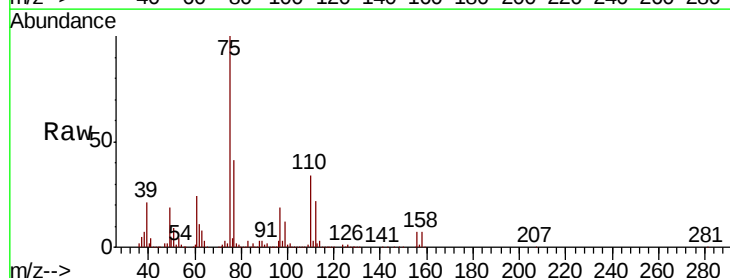
Acq: 14 Aug 2018 1:49

Tgt Ion: 75 Resp: 1736289

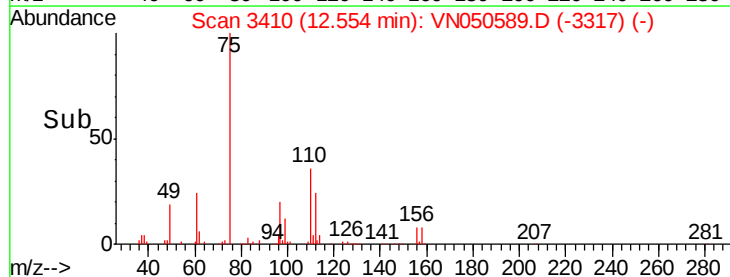
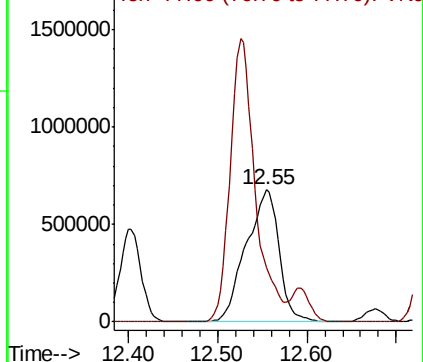
Ion Ratio Lower Upper

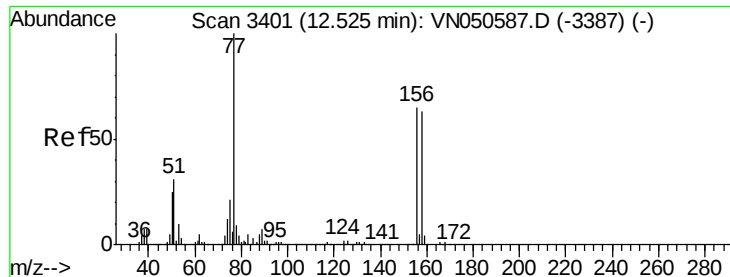
75 100

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: 145.832 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

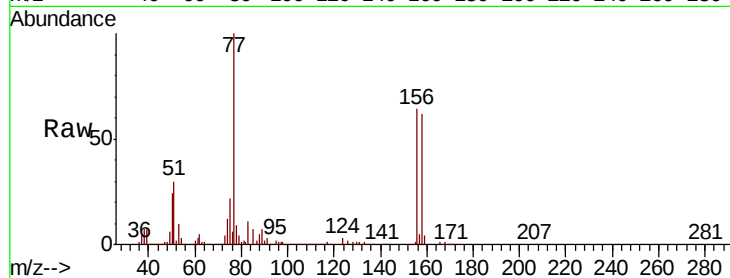
Tot Ion:156 Resp: 1593498

Ion Ratio Lower Upper

156 100

77 178.5 89.0 267.1

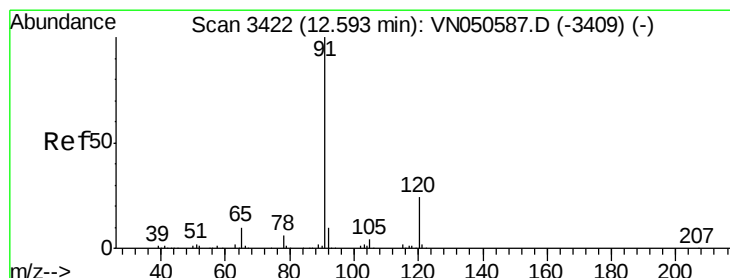
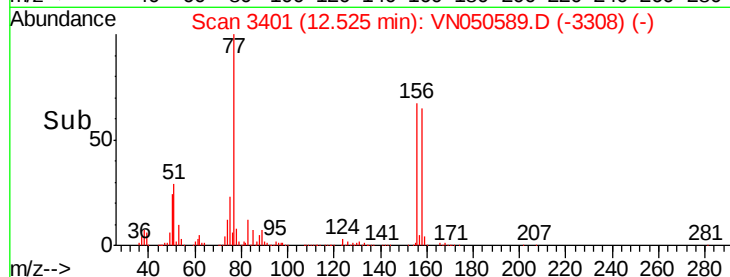
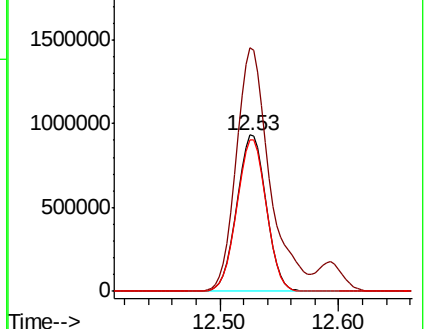
158 97.5 48.5 145.6



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: 153.330 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050589.D

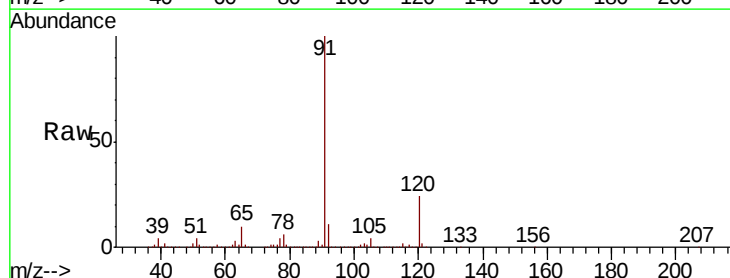
Acq: 14 Aug 2018 1:49

Tgt Ion: 91 Resp: 7081288

Ion Ratio Lower Upper

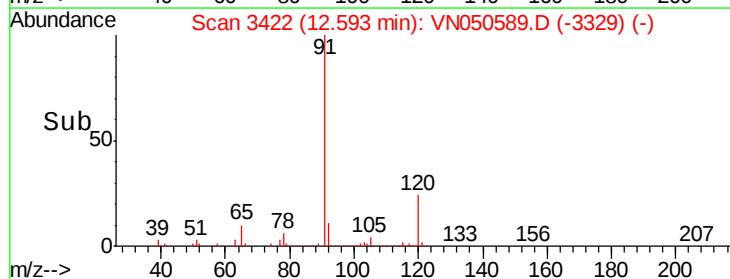
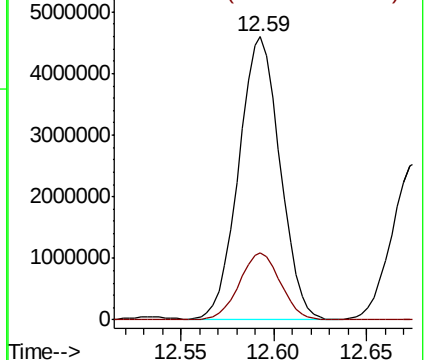
91 100

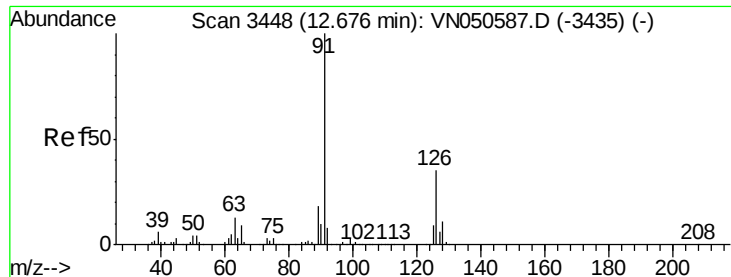
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.570 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

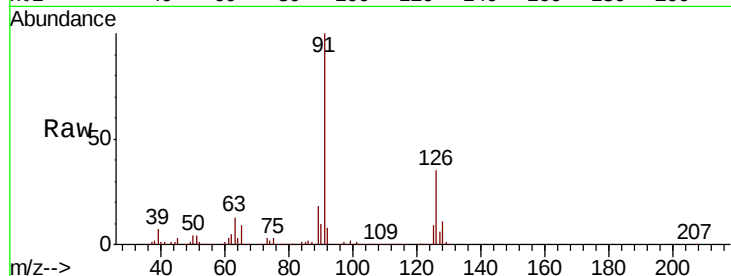
VSTDIC150

Tot Ion: 91 Resp: 4183529

Ion Ratio Lower Upper

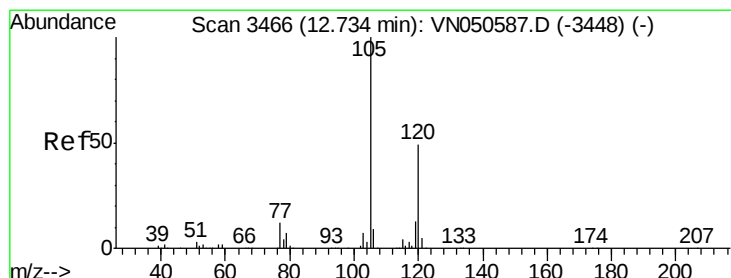
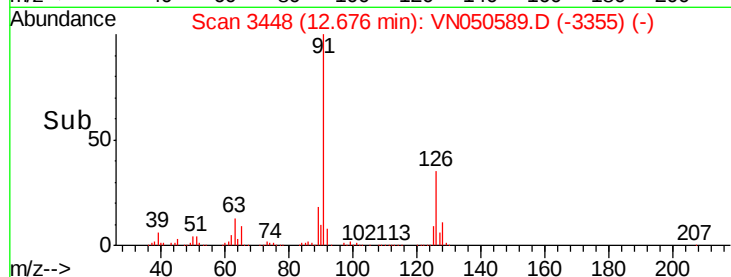
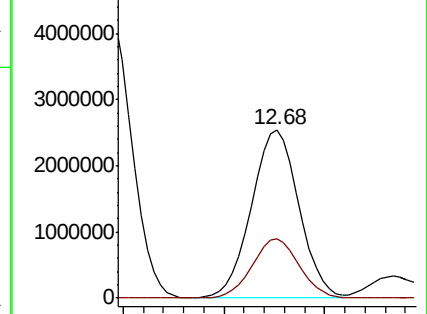
91 100

126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050589.D (-3448) (-)

Ion 125.90 (125.60 to 126.60): VN050589.D (-3448) (-)



#80

1,3,5-Trimethylbenzene

Concen: 153.379 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050589.D

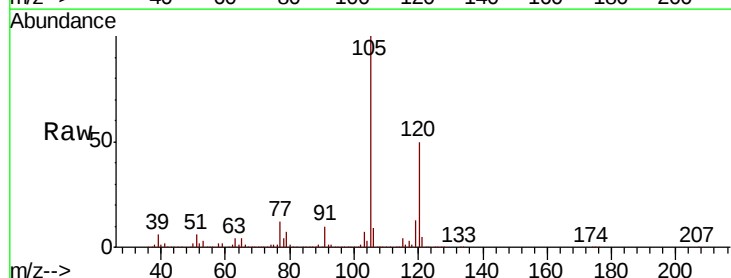
Acq: 14 Aug 2018 1:49

Tgt Ion:105 Resp: 5074200

Ion Ratio Lower Upper

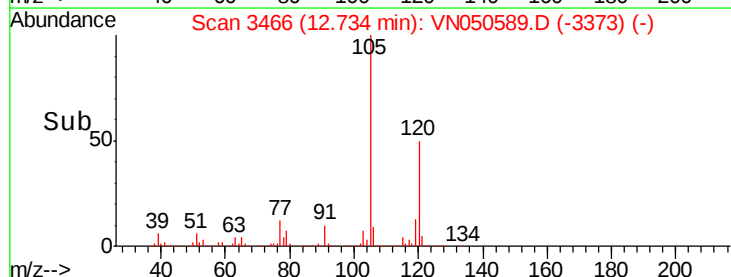
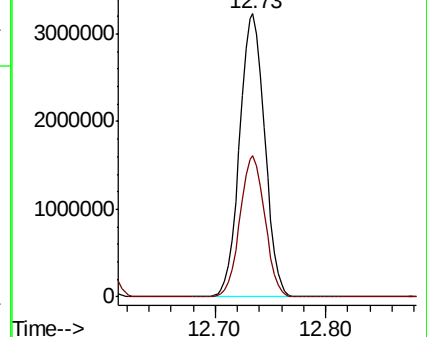
105 100

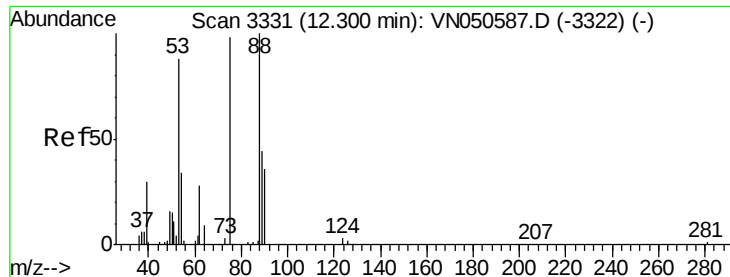
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050589.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN050589.D (-3466) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 138.774 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

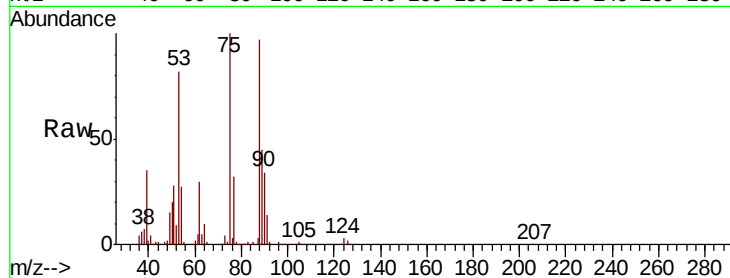
Tot Ion: 75 Resp: 374335

Ion Ratio Lower Upper

75 100

53 84.3 72.2 108.2

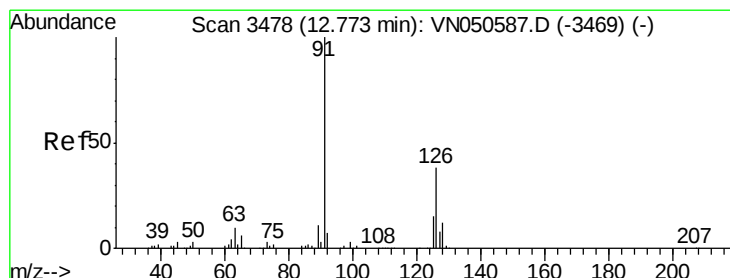
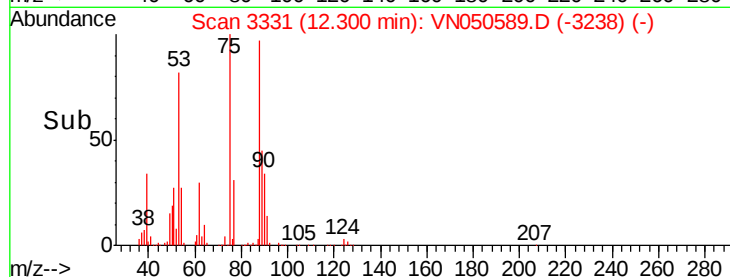
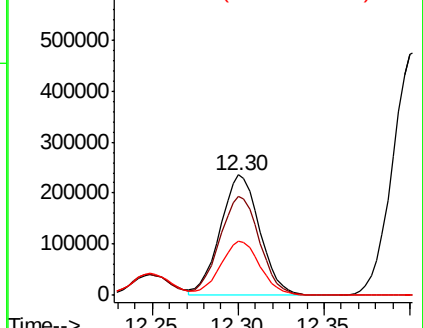
89 45.7 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 151.926 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050589.D

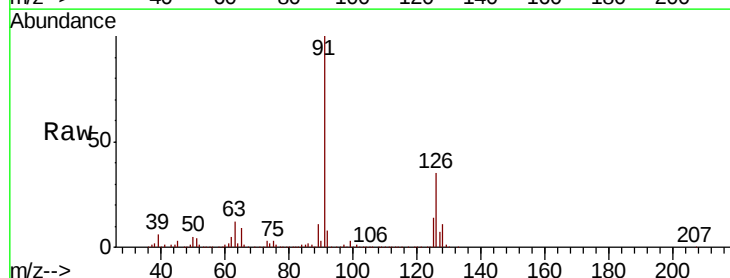
Acq: 14 Aug 2018 1:49

Tgt Ion: 91 Resp: 4321332

Ion Ratio Lower Upper

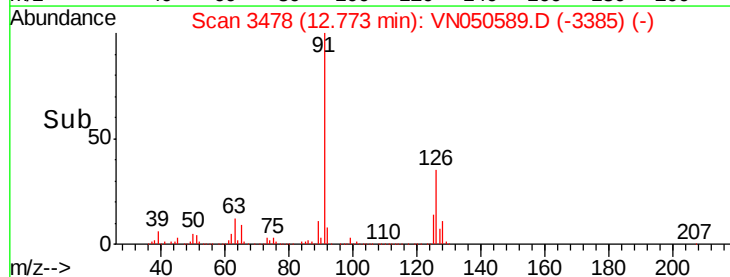
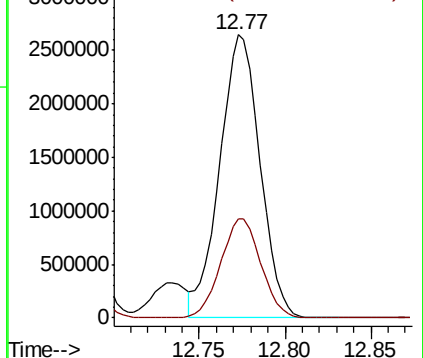
91 100

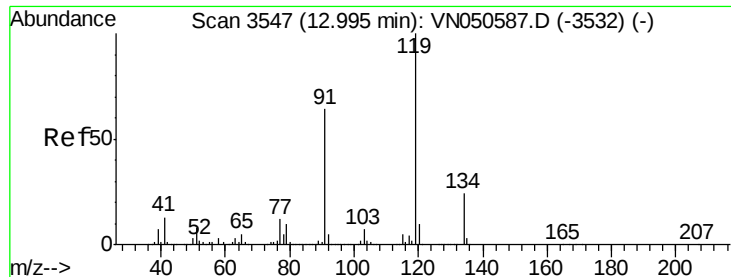
126 34.8 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

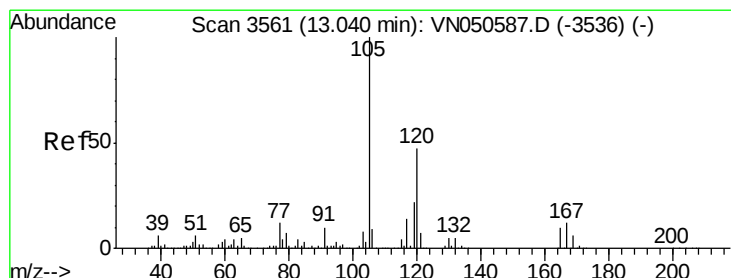
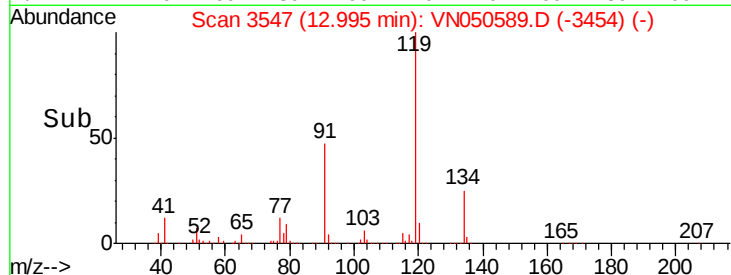
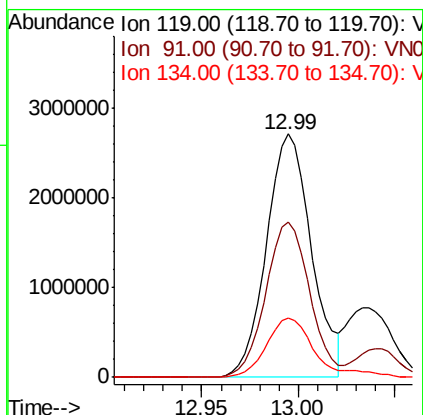
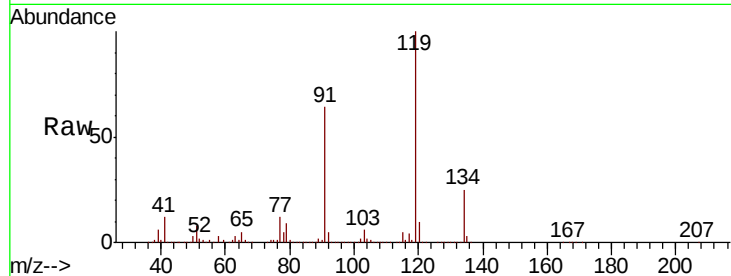




#83
 tert-Butylbenzene
 Concen: 152.818 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

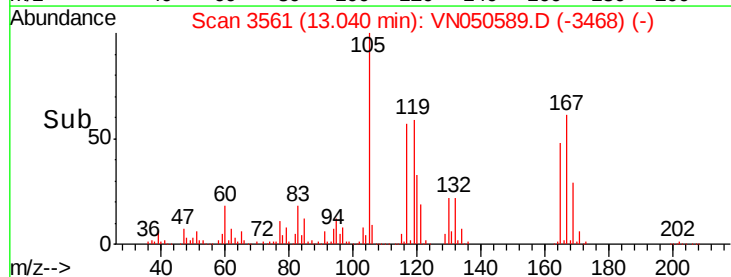
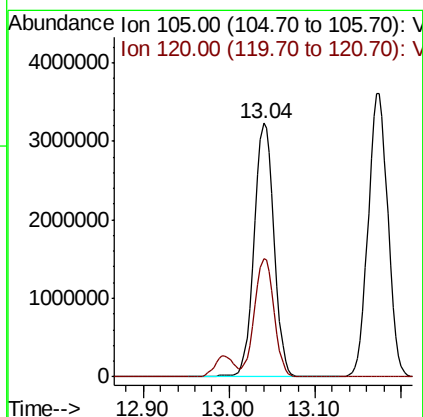
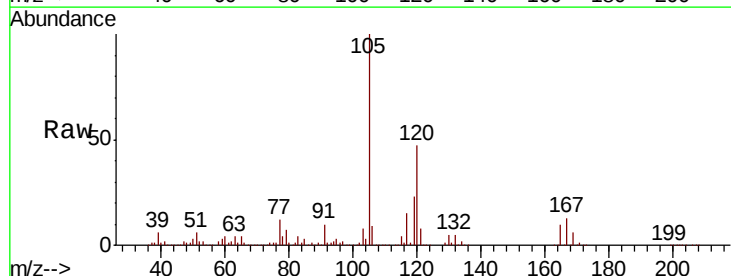
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4398681
 Ion Ratio Lower Upper
 119 100
 91 62.7 32.2 96.6
 134 26.2 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 155.055 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:105 Resp: 5193348
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 150.483 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

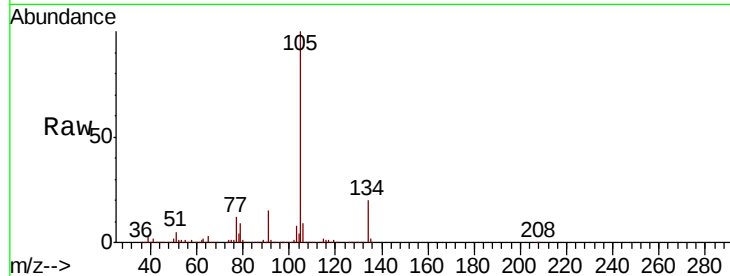
VSTDIC150

Tot Ion:105 Resp: 5785147

Ion Ratio Lower Upper

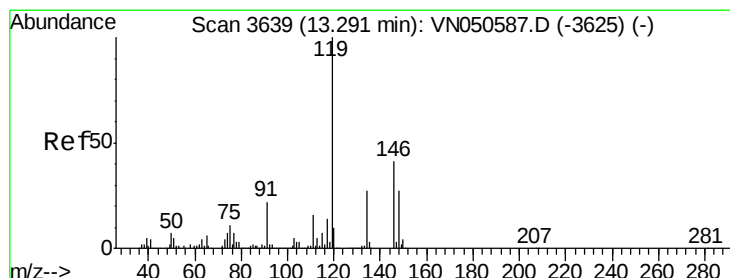
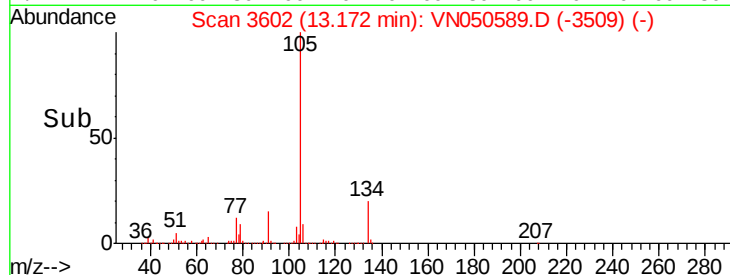
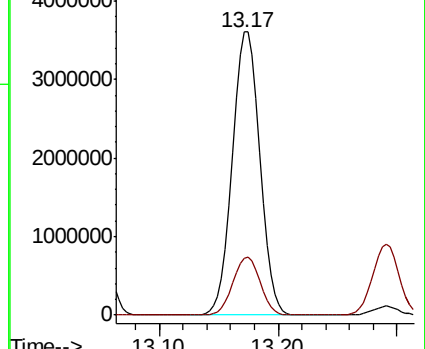
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 157.175 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

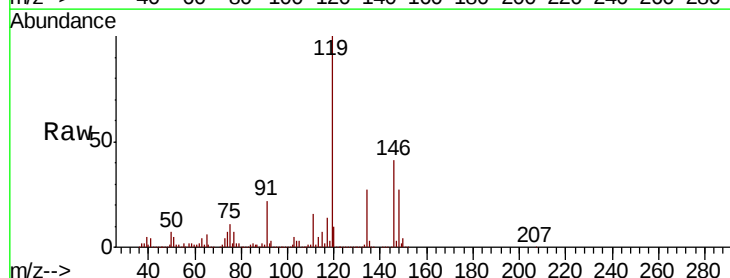
Tgt Ion:119 Resp: 5170819

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

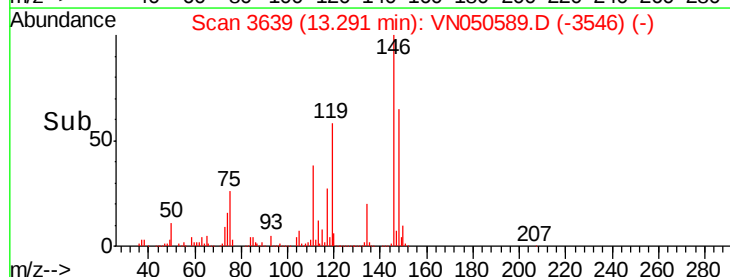
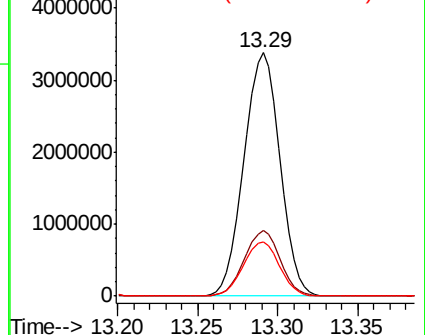
91 22.3 11.2 33.6

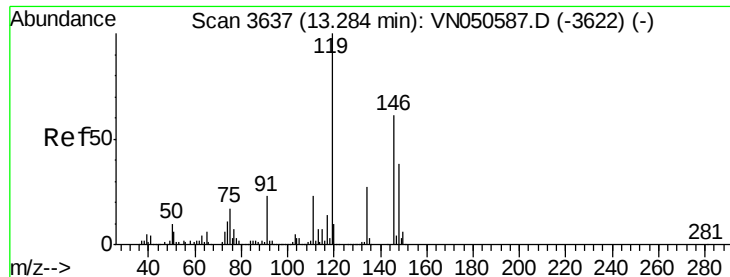


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 145.963 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

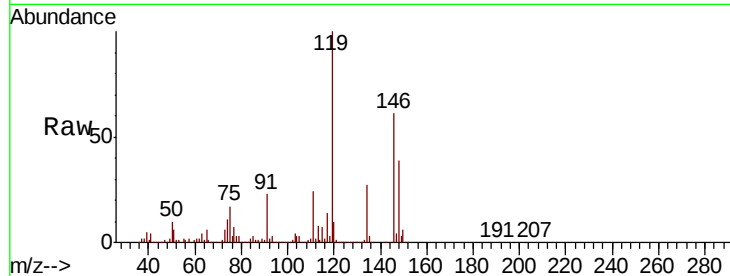
Tot Ion:146 Resp: 2829180

Ion Ratio Lower Upper

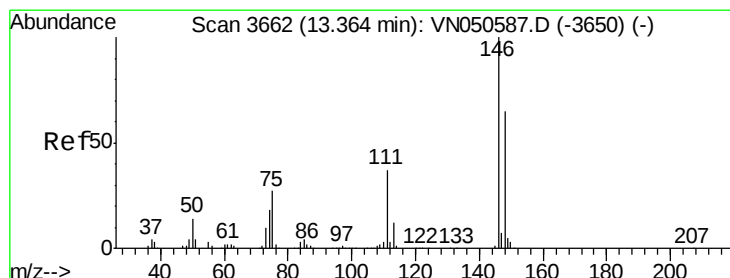
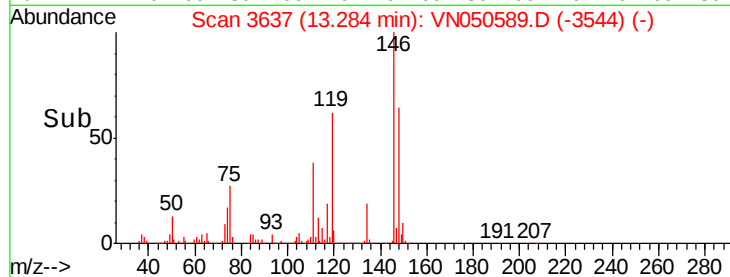
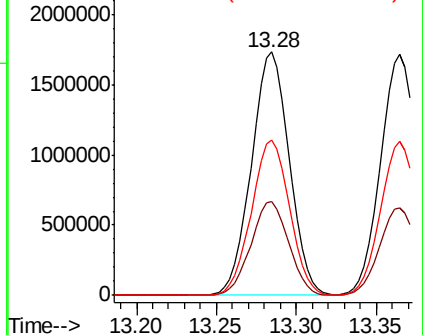
146 100

111 38.5 19.2 57.6

148 64.2 31.9 95.7



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: 144.051 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

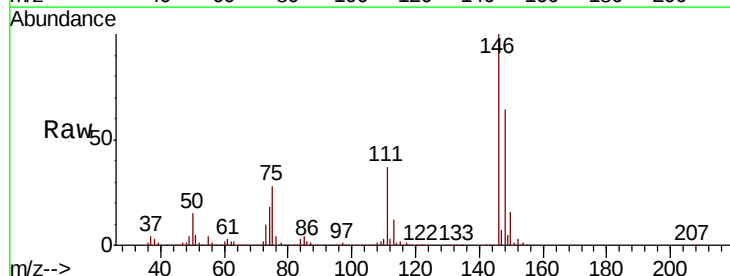
Tgt Ion:146 Resp: 2785440

Ion Ratio Lower Upper

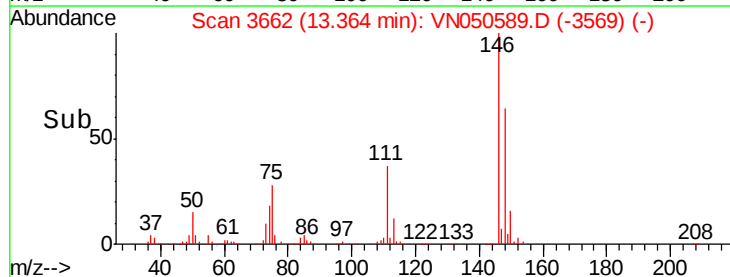
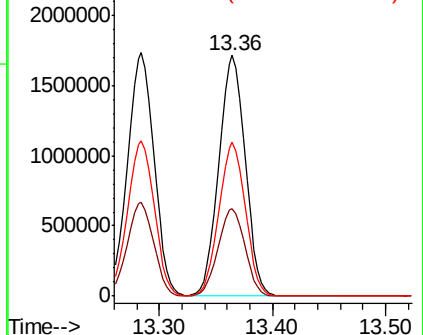
146 100

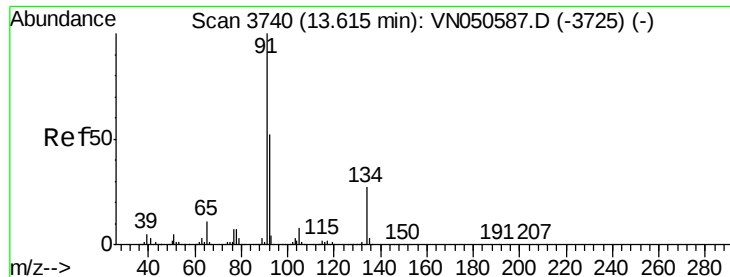
111 36.9 18.8 56.4

148 64.0 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 156.466 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

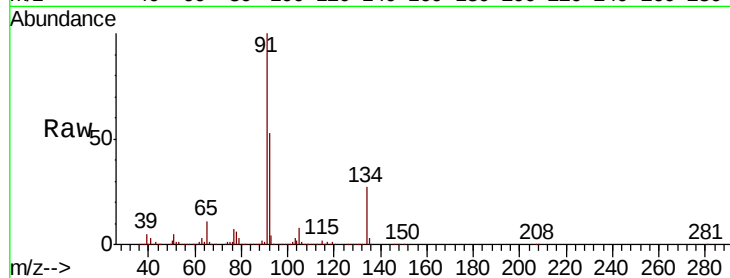
Tot Ion: 91 Resp: 4351291

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.9	13.3	39.9

91 100

92 52.6 26.3 78.8

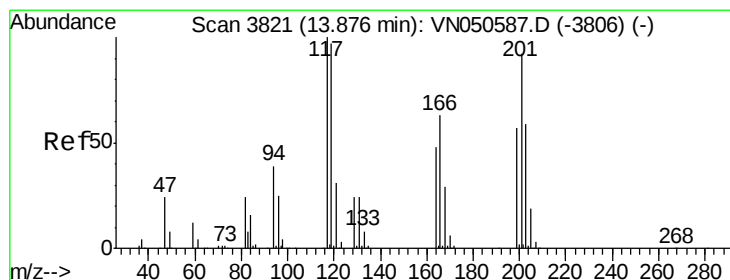
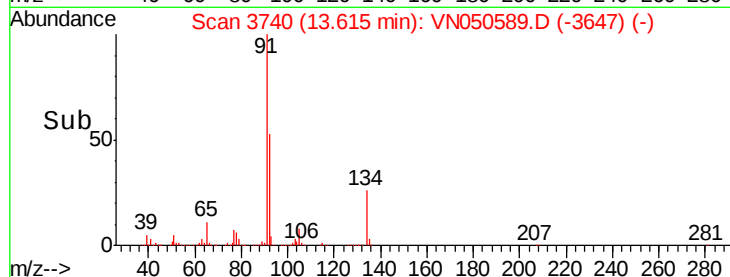
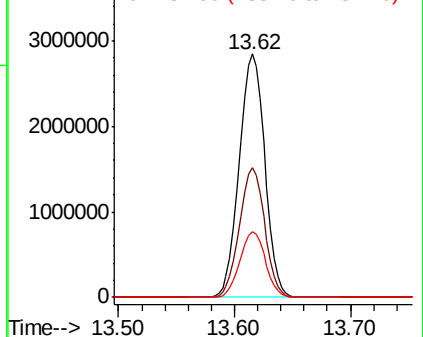
134 26.9 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN050589.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050589.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050589.D (-3725) (-)



#90

Hexachloroethane

Concen: 153.210 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050589.D

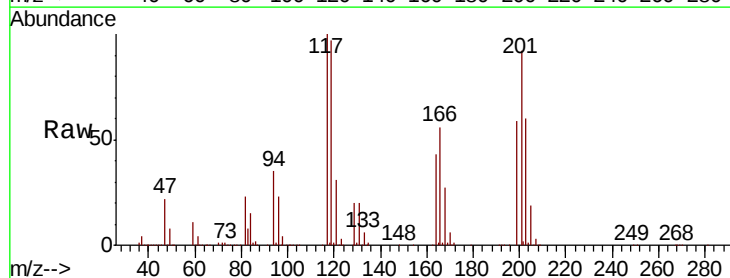
Acq: 14 Aug 2018 1:49

Tgt Ion: 117 Resp: 904433

Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.5	136.5

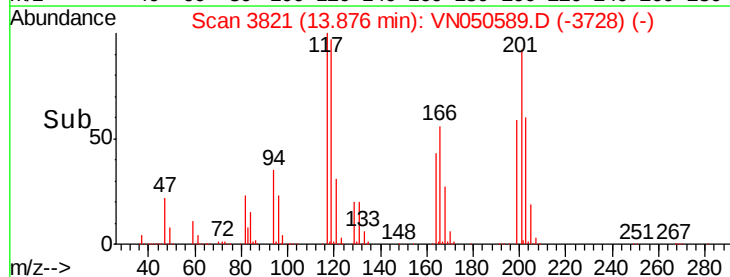
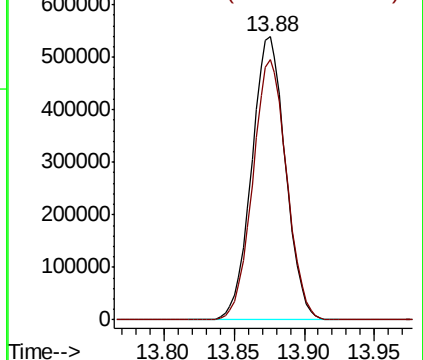
117 100

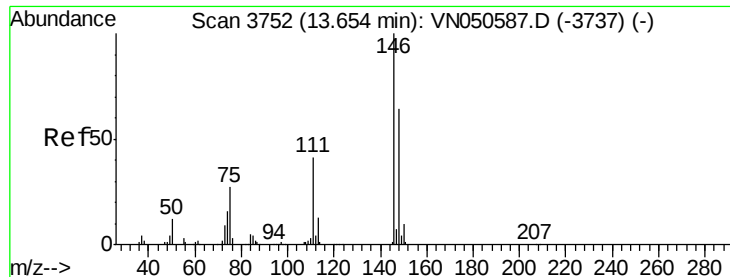
201 92.2 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050589.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050589.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 136.711 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

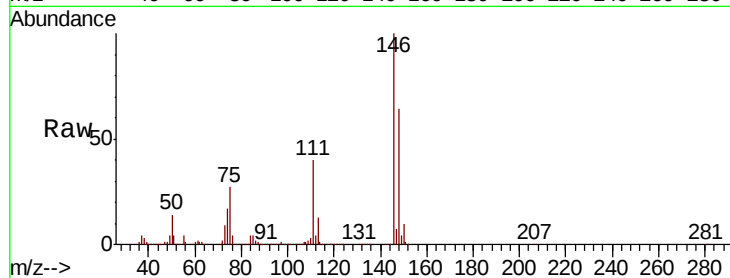
Tot Ion:146 Resp: 2645282

Ion Ratio Lower Upper

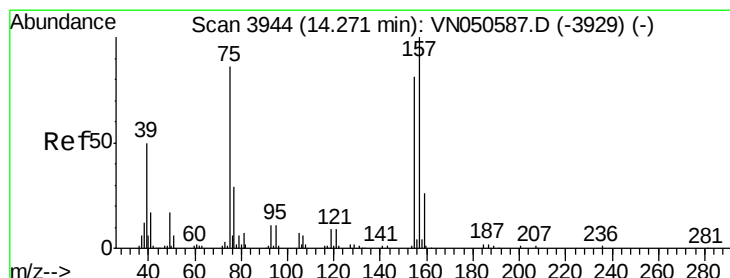
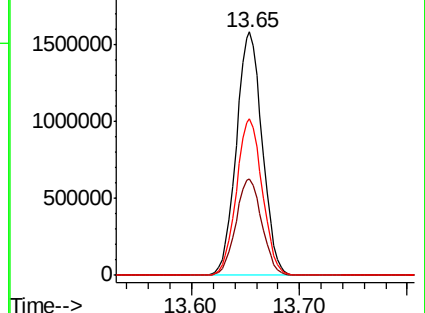
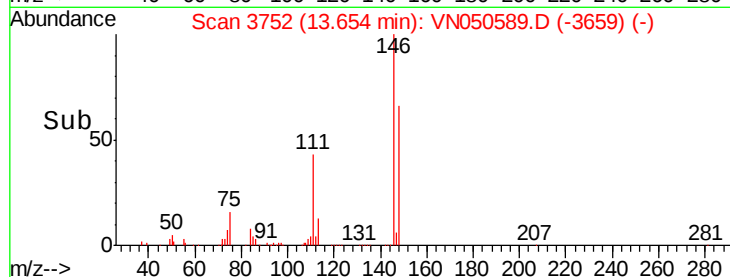
146 100

111 39.6 19.8 59.4

148 64.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 109.331 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

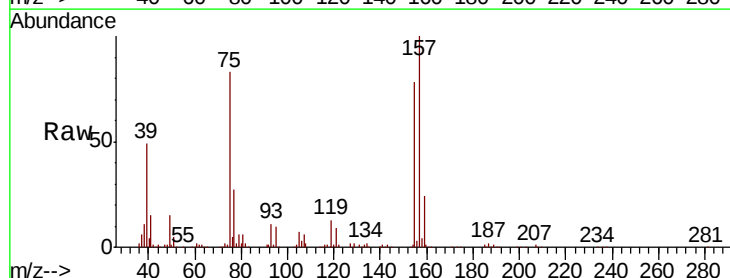
Tgt Ion: 75 Resp: 210169

Ion Ratio Lower Upper

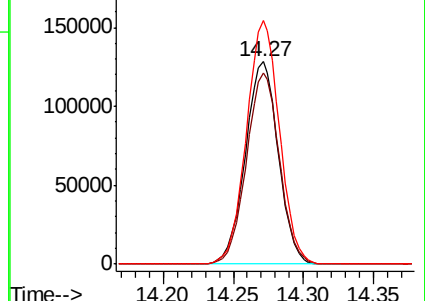
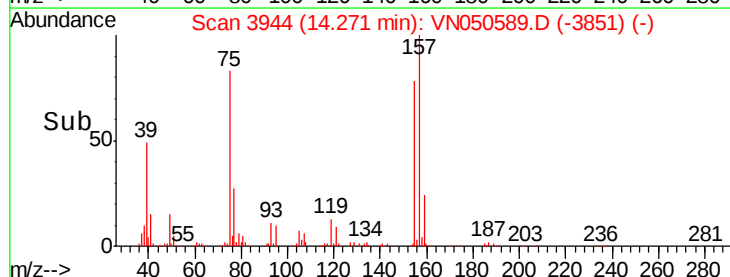
75 100

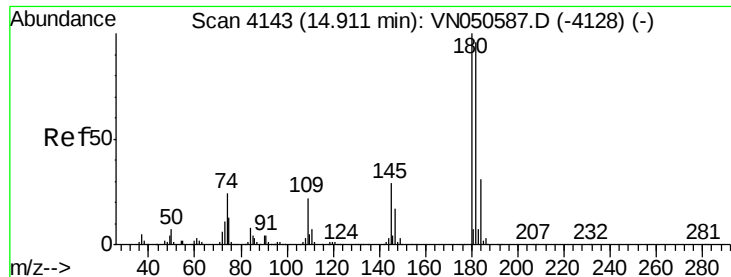
155 94.4 46.6 139.8

157 120.2 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

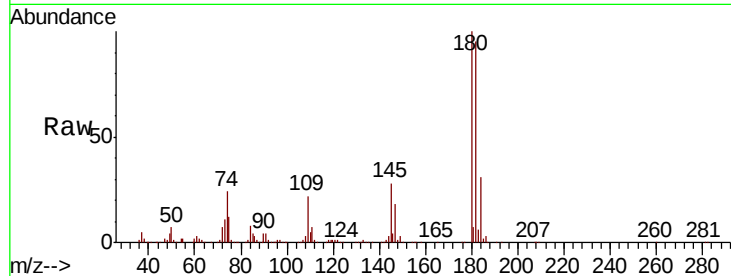




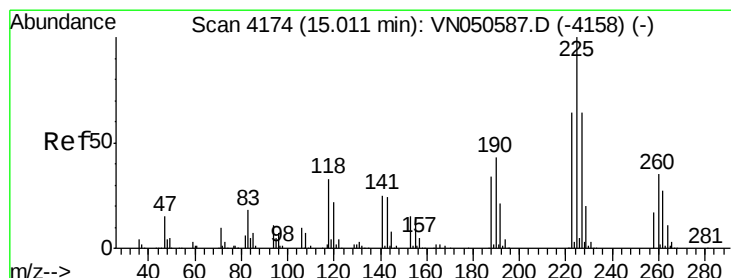
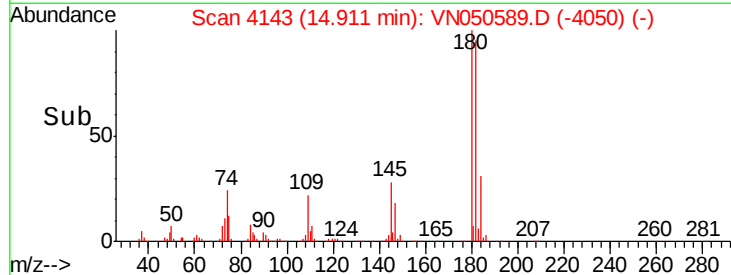
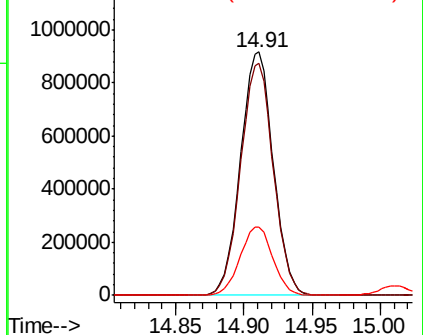
#93
 1,2,4-Trichlorobenzene
 Concen: 156.678 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1523574
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.7
 145 28.3 14.4 43.4

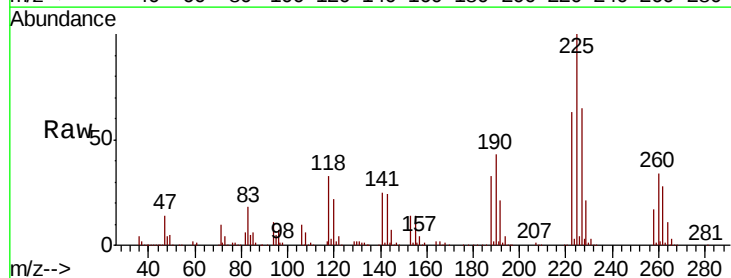


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

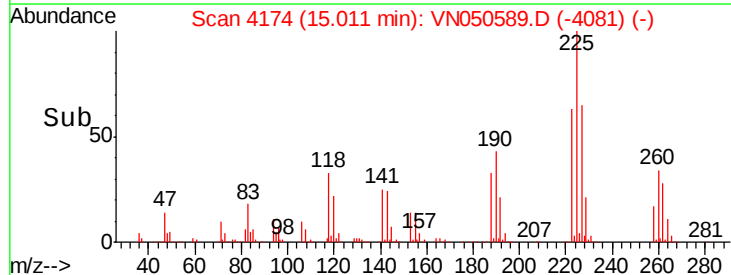
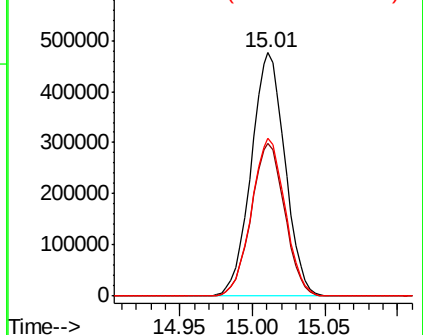


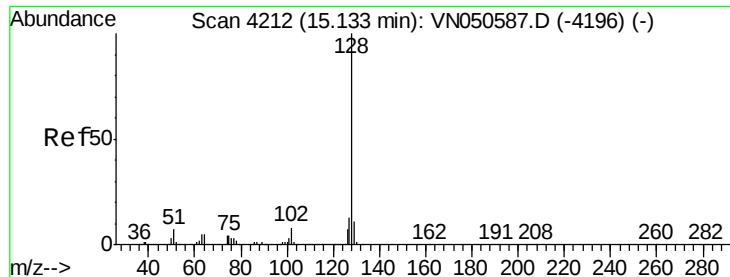
#94
 Hexachlorobutadiene
 Concen: 109.073 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:225 Resp: 772721
 Ion Ratio Lower Upper
 225 100
 223 62.3 32.1 96.3
 227 64.5 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: 151.072 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

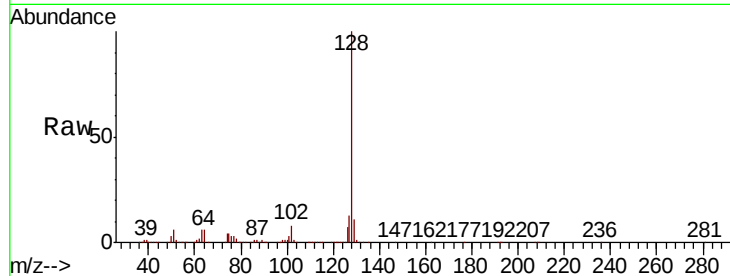
Tot Ion:128 Resp: 3322385

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

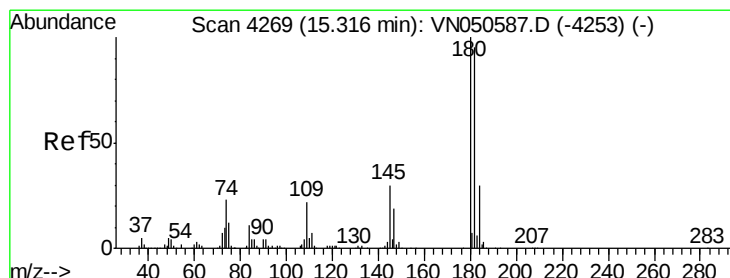
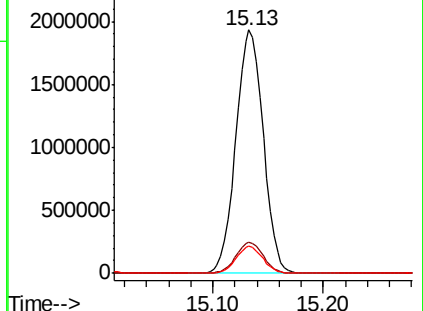
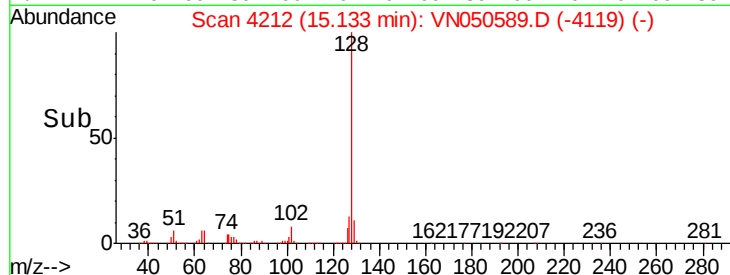
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 142.941 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

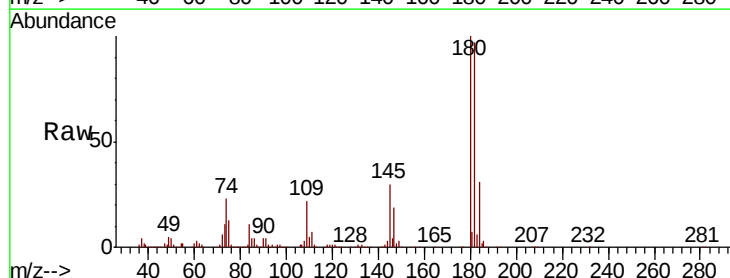
Tgt Ion:180 Resp: 1404772

Ion Ratio Lower Upper

180 100

182 96.3 47.3 141.8

145 29.7 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

