

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 14 07:26:53 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	509190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	700821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264108	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	8641	1.28	ug/l	0.00
Spiked Amount			Recovery	=	2.56%	
35) Dibromofluoromethane	7.60	113	8146	1.21	ug/l	0.00
Spiked Amount			Recovery	=	2.42%	
50) Toluene-d8	10.09	98	25789	1.02	ug/l	0.00
Spiked Amount			Recovery	=	2.04%	
62) 4-Bromofluorobenzene	12.40	95	8324	0.97	ug/l	0.00
Spiked Amount			Recovery	=	1.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	6657	1.177	ug/l	98
3) Chloromethane	2.06	50	11131	1.474	ug/l	96
4) Vinyl Chloride	2.18	62	9030	1.232	ug/l	94
5) Bromomethane	2.57	94	7988	1.778	ug/l	99
6) Chloroethane	2.70	64	6407	1.425	ug/l	99
7) Trichlorofluoromethane	3.01	101	12381	1.310	ug/l	98
8) Diethyl Ether	3.41	74	3794	1.104	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7096	1.214	ug/l	98
10) Methyl Iodide	3.95	142	3532	1.251	ug/l #	94
11) Tert butyl alcohol	4.79	59	1077	2.124	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	6454	1.174	ug/l	90
13) Acrolein	3.62	56	2332	4.297	ug/l	89
14) Allyl chloride	4.33	41	9652	1.102	ug/l	92
15) Acrylonitrile	5.00	53	10030	4.502	ug/l #	76
16) Acetone	3.83	43	11805	5.553	ug/l	100
17) Carbon Disulfide	4.05	76	20394	1.140	ug/l	97
18) Methyl Acetate	4.34	43	12207	2.014	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	14400	0.939	ug/l	93
20) Methylene Chloride	4.56	84	9724	1.285	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	6690	1.125	ug/l	91
22) Diisopropyl ether	5.96	45	16469	0.916	ug/l #	81
23) Vinyl Acetate	5.90	43	53512	4.239	ug/l	99
24) 1,1-Dichloroethane	5.85	63	13679	1.236	ug/l	95
25) 2-Butanone	6.85	43	13764	4.253	ug/l	94
26) 2,2-Dichloropropane	6.83	77	9815	1.110	ug/l #	67
27) cis-1,2-Dichloroethene	6.83	96	7451	1.132	ug/l	97
28) Bromochloromethane	7.20	49	5613	1.100	ug/l #	97
29) Tetrahydrofuran	7.22	42	6847	3.944	ug/l	94
30) Chloroform	7.37	83	14201	1.284	ug/l	99
31) Cyclohexane	7.66	56	18007	1.625	ug/l #	33
32) 1,1,1-Trichloroethane	7.57	97	11035	1.162	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	9256	1.008	ug/l #	90
37) Ethyl Acetate	6.95	43	4555	0.717	ug/l #	71
38) Carbon Tetrachloride	7.78	117	10647	1.111	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	8361	0.835	ug/l	93
40) Benzene	8.04	78	28133	0.995	ug/l	94
41) Methacrylonitrile	7.17	41	1465	0.427	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	8910	1.002	ug/l	96
43) Isopropyl Acetate	8.17	43	8645	0.779	ug/l	96
44) Trichloroethene	8.84	130	8290	1.090	ug/l	98
45) 1,2-Dichloropropane	9.12	63	7909	1.065	ug/l	99
46) Dibromomethane	9.21	93	4982	1.098	ug/l	92
47) Bromodichloromethane	9.40	83	10131	1.067	ug/l	91
48) Methyl methacrylate	9.20	41	4900	0.885	ug/l	89
49) 1,4-Dioxane	9.21	88	1275	15.148	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	28648	3.617	ug/l	94
52) Toluene	10.16	92	14533	0.857	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	8185	0.868	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	8856	0.838	ug/l	97
55) 1,1,2-Trichloroethane	10.57	97	6478	0.987	ug/l	95
56) Ethyl methacrylate	10.43	69	5025	0.615	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	9816	0.910	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	11413	2.991	ug/l	97
59) 2-Hexanone	10.75	43	17482	3.183	ug/l	86
60) Dibromochloromethane	10.90	129	6424	0.887	ug/l	95
61) 1,2-Dibromoethane	11.01	107	5617	0.872	ug/l	99
64) Tetrachloroethene	10.63	164	7028	1.075	ug/l	98
65) Chlorobenzene	11.44	112	17775	1.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	6904	1.077	ug/l #	64
67) Ethyl Benzene	11.51	91	24023	0.845	ug/l	98
68) m/p-Xylenes	11.62	106	17865	1.650	ug/l	97
69) o-Xylene	11.95	106	8274	0.795	ug/l	95
70) Styrene	11.97	104	12039	0.713	ug/l	95
71) Bromoform	12.13	173	4144	0.901	ug/l #	98
73) Isopropylbenzene	12.25	105	20276	1.015	ug/l	95
74) N-amyl acetate	12.07	43	5507	0.882	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	8102	1.437	ug/l	92
76) 1,2,3-Trichloropropane	12.56	75	8000	1.676	ug/l #	100
77) Bromobenzene	12.53	156	6279	1.175	ug/l	93
78) n-propylbenzene	12.59	91	21167	0.937	ug/l	97
79) 2-Chlorotoluene	12.68	91	14521	1.040	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	14373	0.889	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	1245	0.944	ug/l #	85
82) 4-Chlorotoluene	12.77	91	12676	0.911	ug/l	98
83) tert-Butylbenzene	12.99	119	13842	0.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13490	0.824	ug/l	98
85) sec-Butylbenzene	13.17	105	16260	0.865	ug/l	98
86) p-Isopropyltoluene	13.29	119	12399	0.771	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	9749	1.029	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	9749	1.031	ug/l	98
89) n-Butylbenzene	13.62	91	10778	0.793	ug/l	90
90) Hexachloroethane	13.88	117	3920	1.358	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	10160	1.074	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	822	0.875	ug/l	92

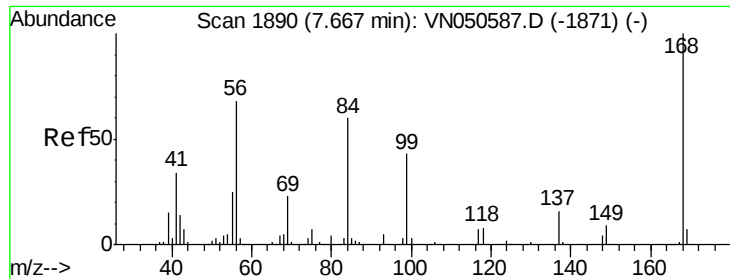
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
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Acq On : 13 Aug 2018 23:46
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2789	0.587	ug/l	95
94) Hexachlorobutadiene	15.01	225	3487	1.007	ug/l	94
95) Naphthalene	15.13	128	4852	0.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3053	0.635	ug/l	97

(#) = 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: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

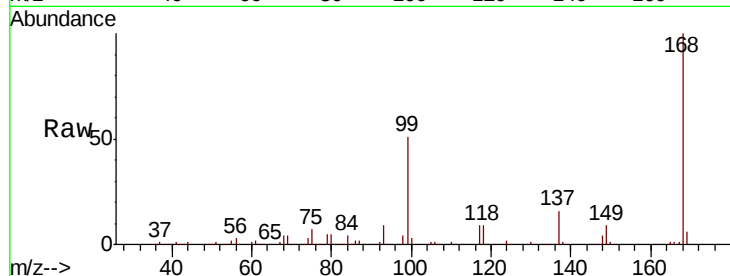
VSTDIC001

Tot Ion:168 Resp: 509190

Ion Ratio Lower Upper

168 100

99 50.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050584.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050584.D (-1797) (-)

7.67

250000

200000

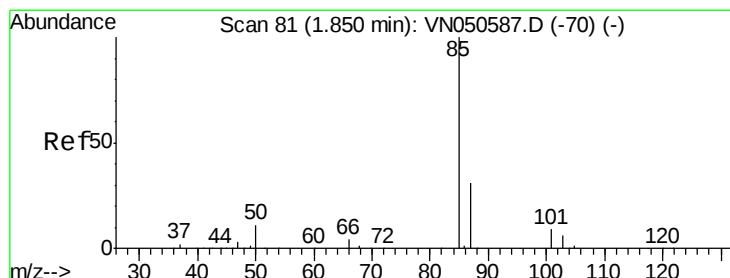
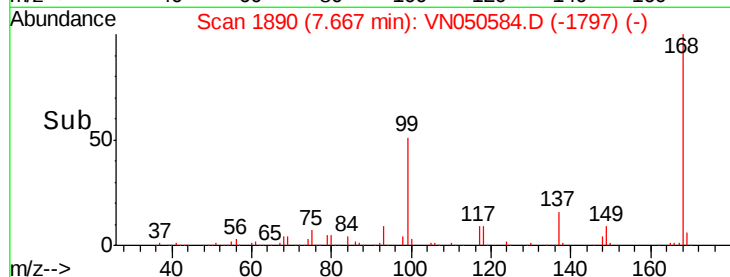
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.177 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050584.D

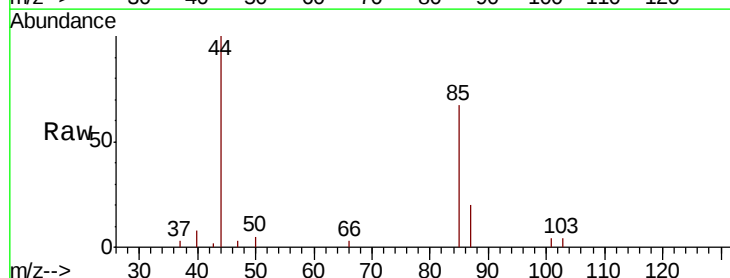
Acq: 13 Aug 2018 23:46

Tgt Ion: 85 Resp: 6657

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN050584.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN050584.D (-1) (-)

1.85

5000

4000

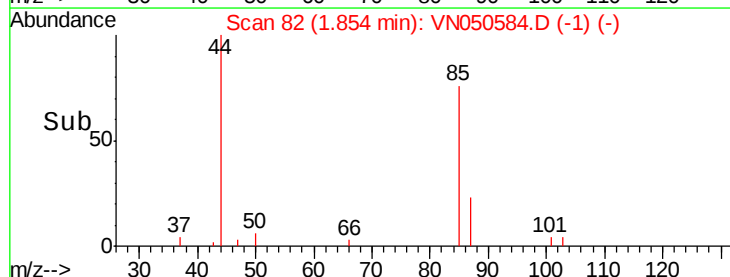
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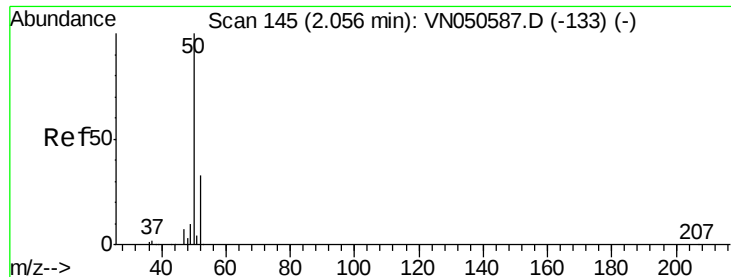
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.474 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

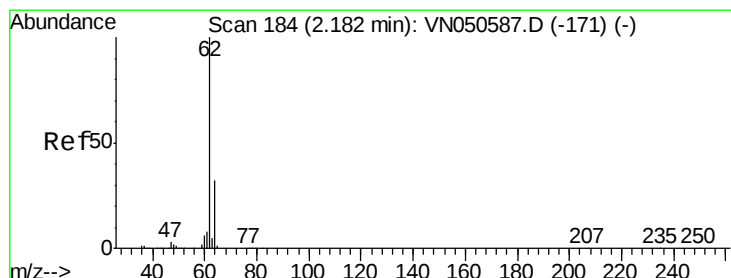
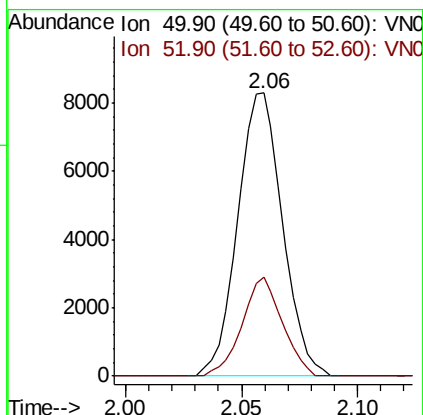
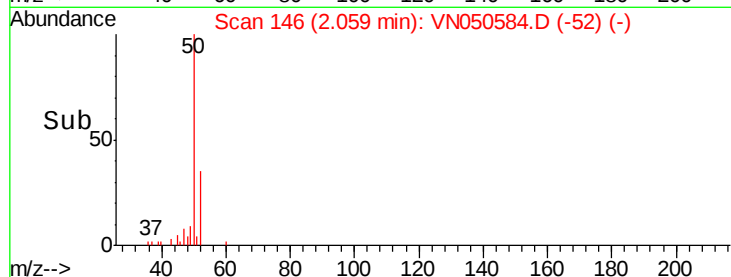
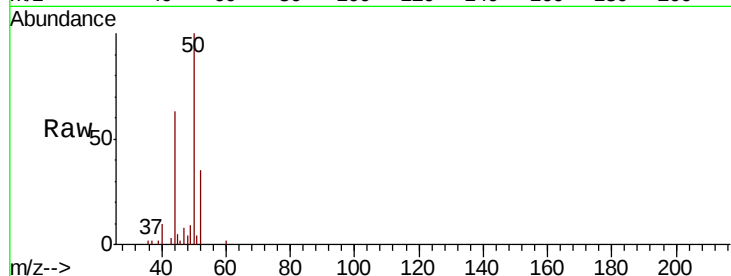
VSTDIC001

Tot Ion: 50 Resp: 11131

Ion Ratio Lower Upper

50 100

52 34.9 26.0 39.0



#4

Vinyl Chloride

Concen: 1.232 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050584.D

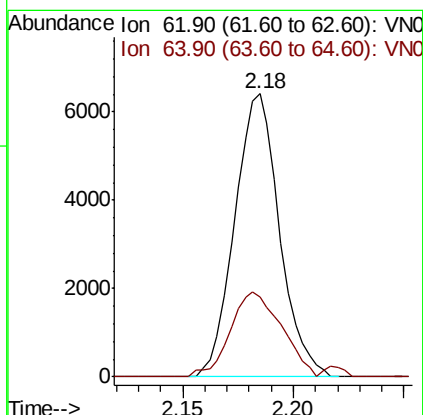
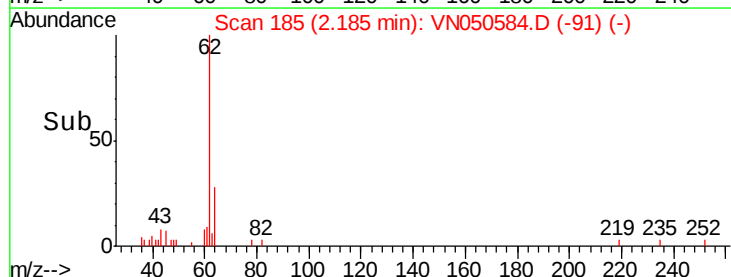
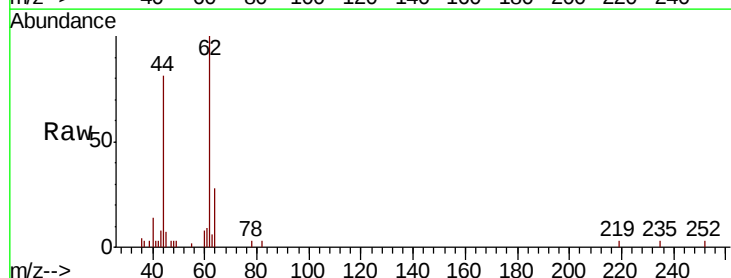
Acq: 13 Aug 2018 23:46

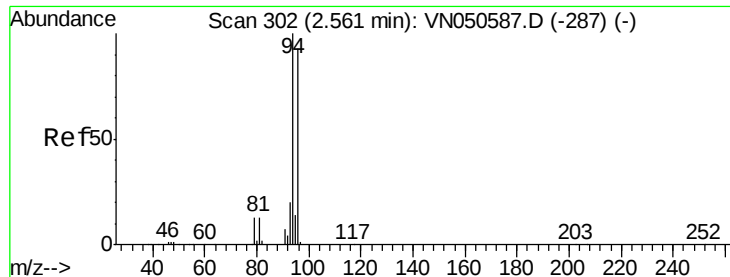
Tgt Ion: 62 Resp: 9030

Ion Ratio Lower Upper

62 100

64 28.0 25.2 37.8





#5

Bromomethane

Concen: 1.778 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

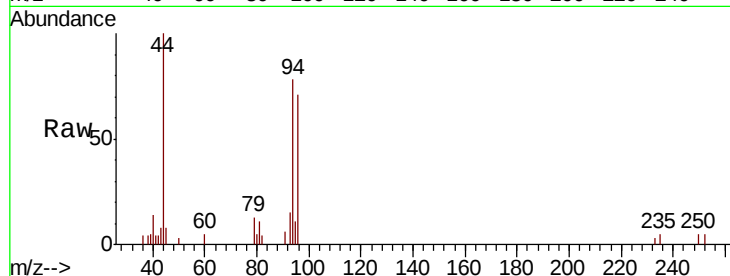
VSTDIC001

Tot Ion: 94 Resp: 7988

Ion Ratio Lower Upper

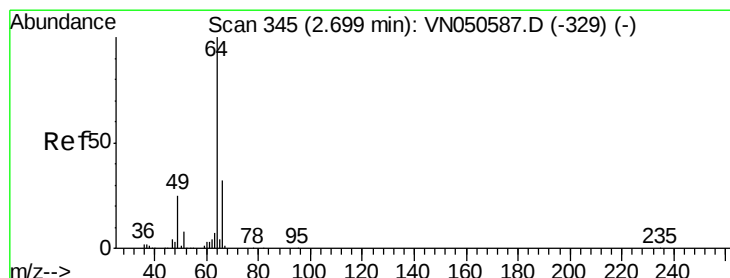
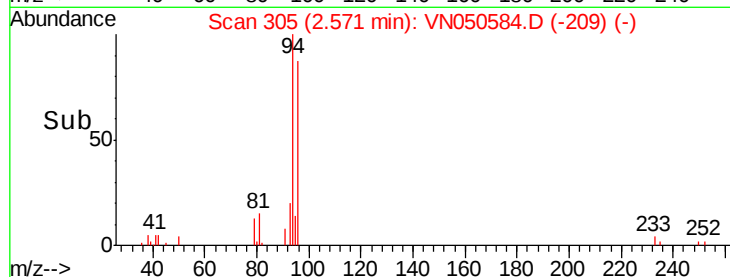
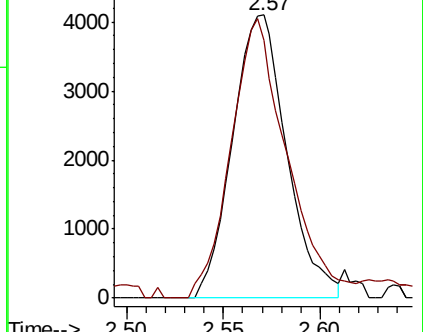
94 100

96 91.1 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)



#6

Chloroethane

Concen: 1.425 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050584.D

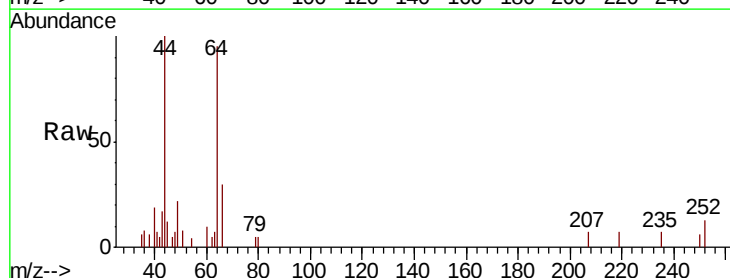
Acq: 13 Aug 2018 23:46

Tgt Ion: 64 Resp: 6407

Ion Ratio Lower Upper

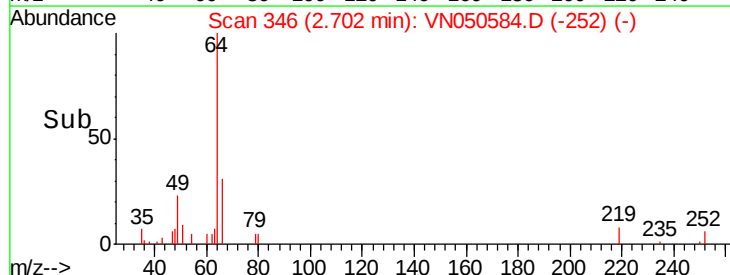
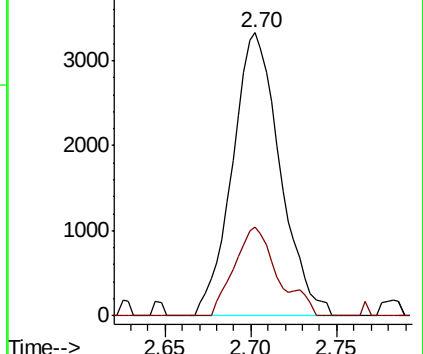
64 100

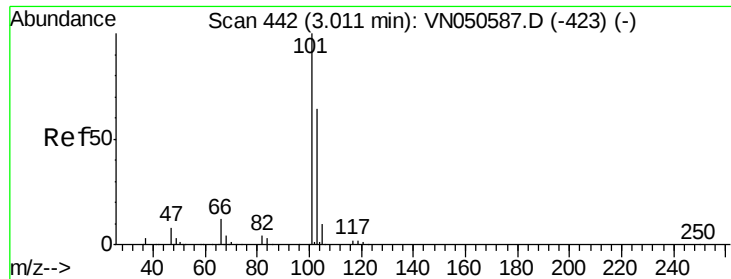
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050587.D (-329) (-)



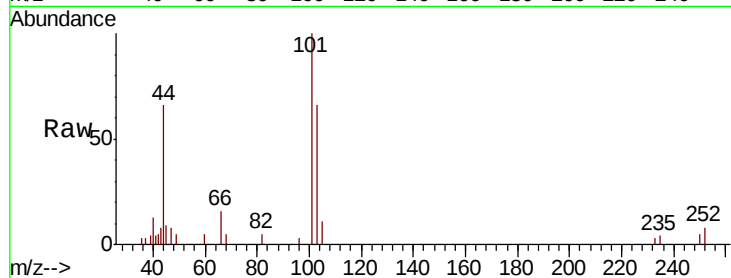


#7

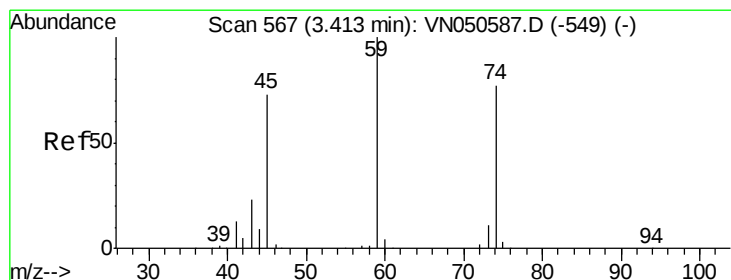
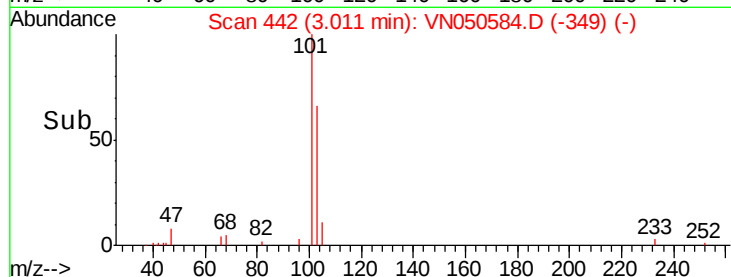
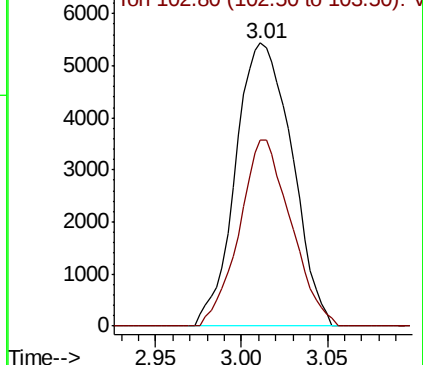
Trichlorofluoromethane
 Concen: 1.310 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 12381
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.4 77.0



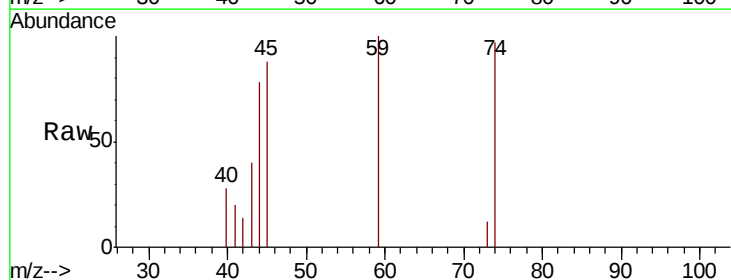
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



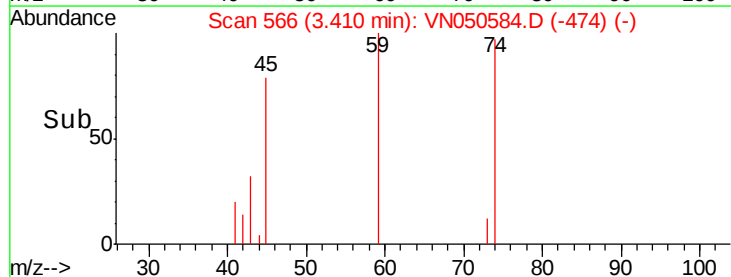
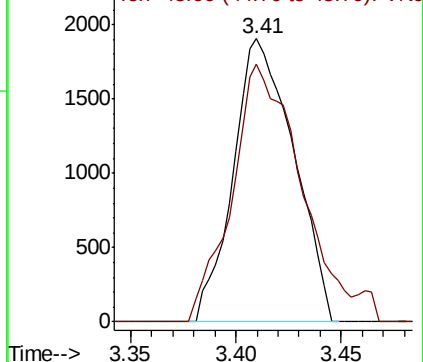
#8

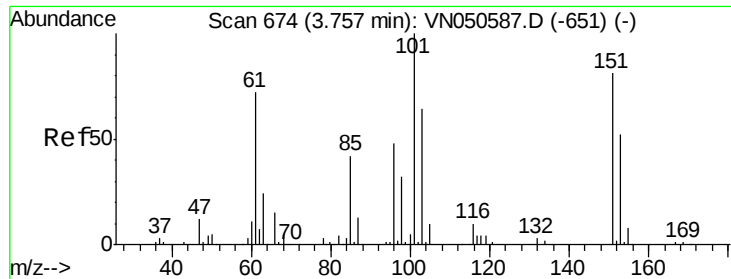
Diethyl Ether
 Concen: 1.104 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 74 Resp: 3794
 Ion Ratio Lower Upper
 74 100
 45 102.6 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.214 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

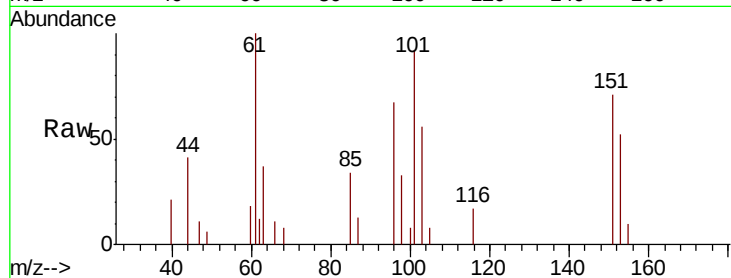
Tot Ion:101 Resp: 7096

Ion Ratio Lower Upper

101 100

85 43.5 33.4 50.0

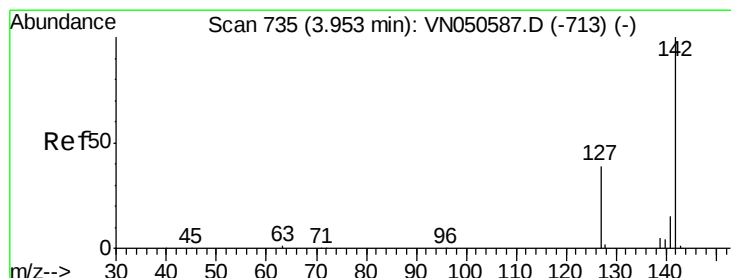
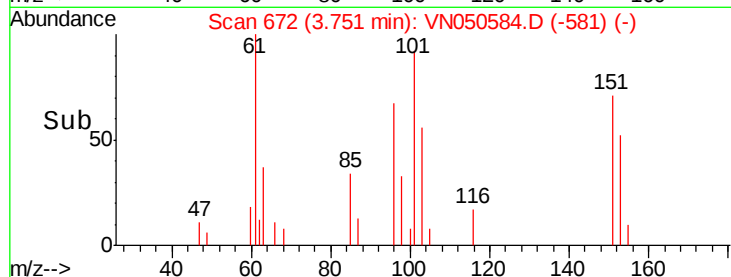
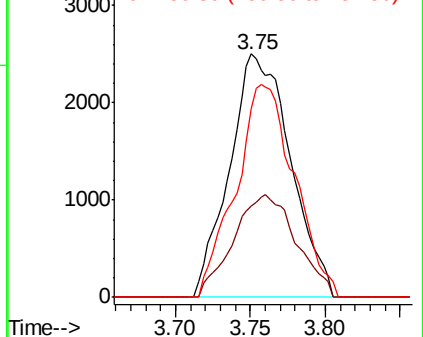
151 84.3 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.251 ug/l

RT: 3.95 min Scan# 735

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

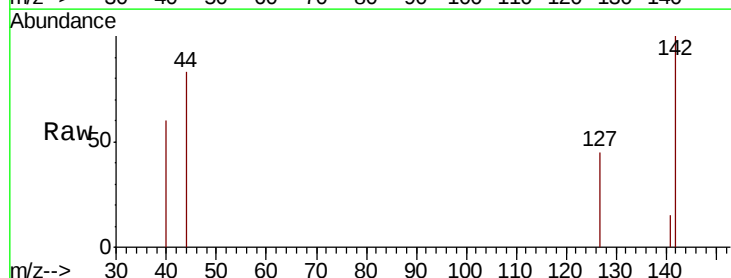
Tgt Ion:142 Resp: 3532

Ion Ratio Lower Upper

142 100

127 41.8 32.6 49.0

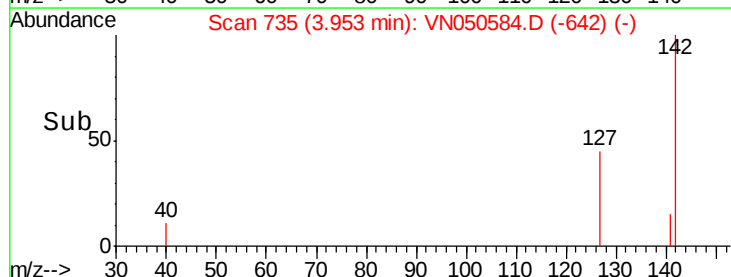
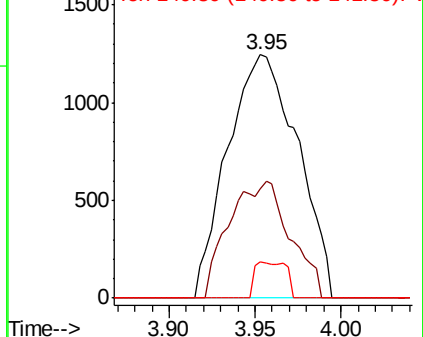
141 6.6 11.5 17.3#

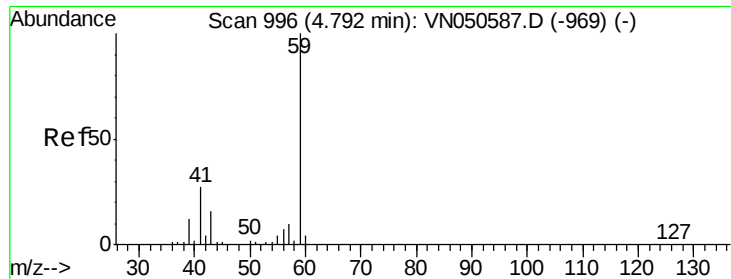


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

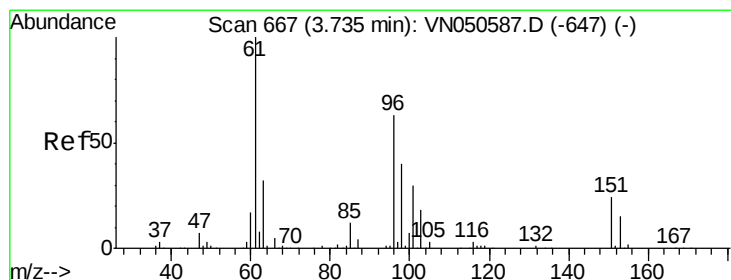
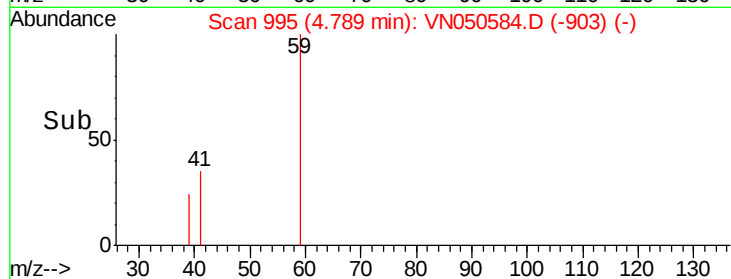
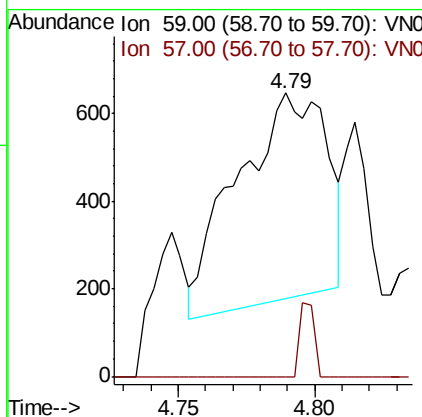
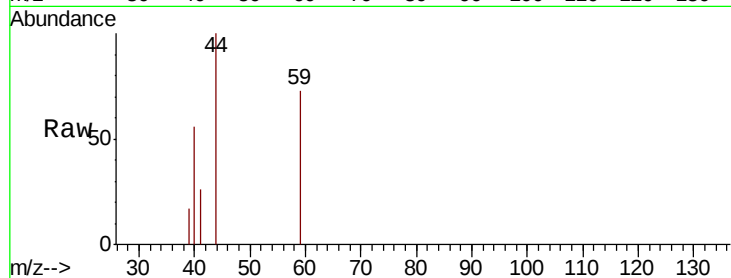




#11
Tert butyl alcohol
Concen: 2.124 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

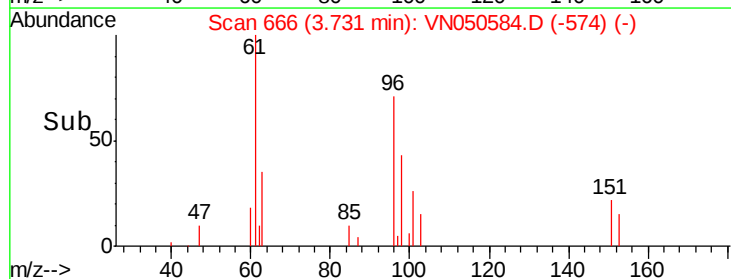
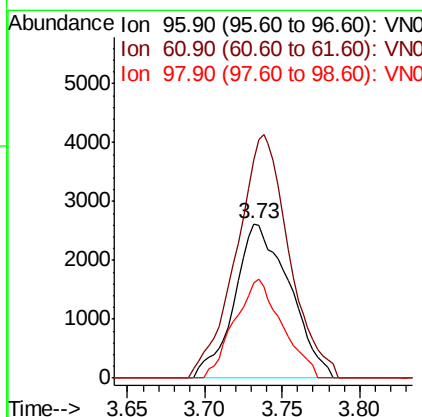
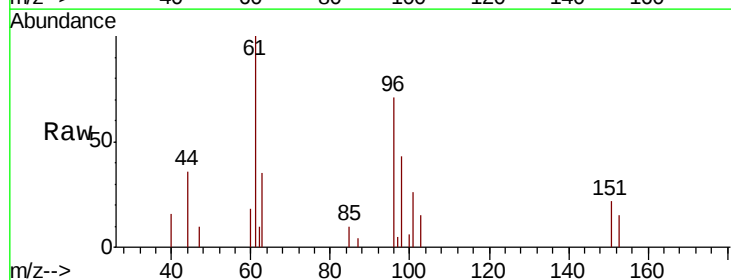
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

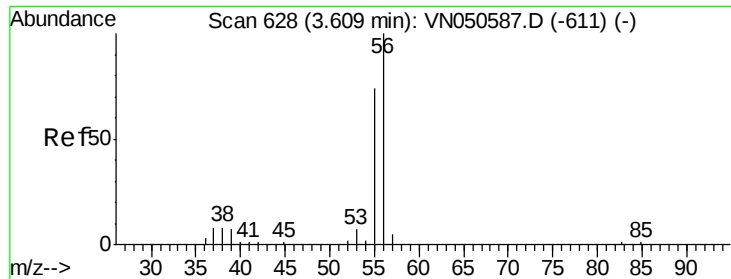
Tot Ion: 59 Resp: 1077
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 1.174 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 96 Resp: 6454
Ion Ratio Lower Upper
96 100
61 141.3 126.9 190.3
98 61.3 51.1 76.7





#13

Acrolein

Concen: 4.297 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

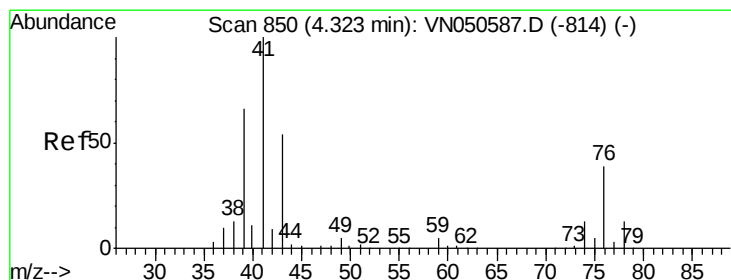
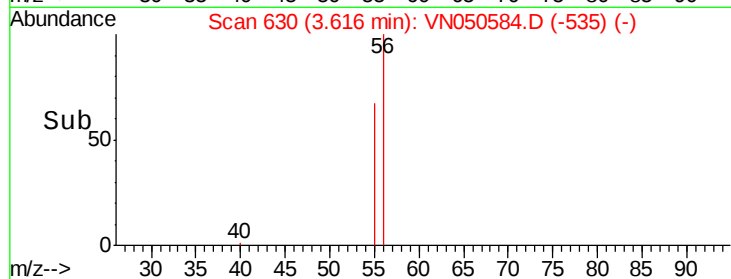
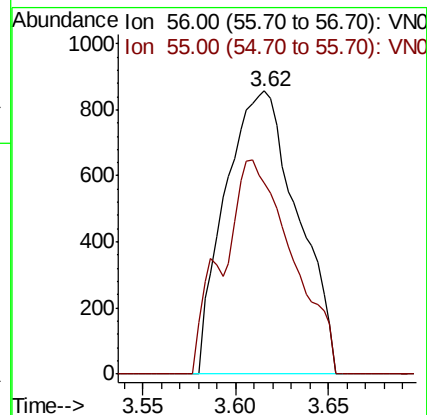
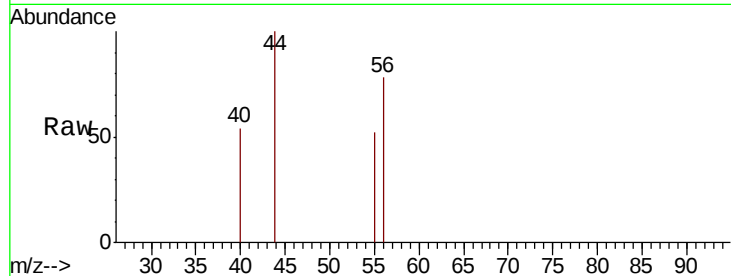
VSTDIC001

Tot Ion: 56 Resp: 2332

Ion Ratio Lower Upper

56 100

55 61.1 56.3 84.5



#14

Allyl chloride

Concen: 1.102 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

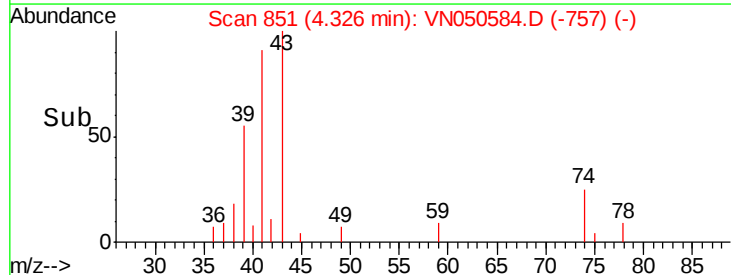
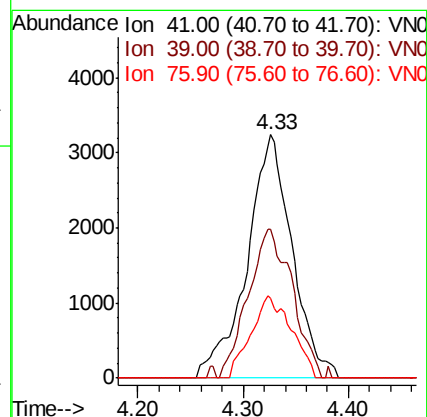
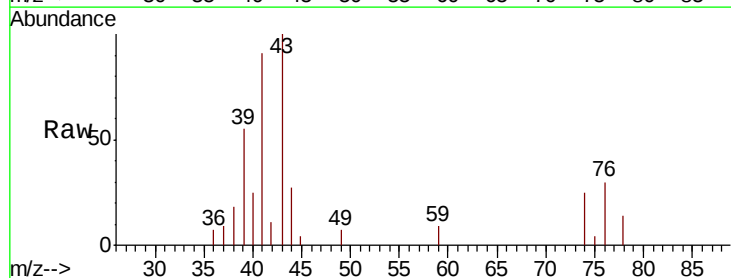
Tgt Ion: 41 Resp: 9652

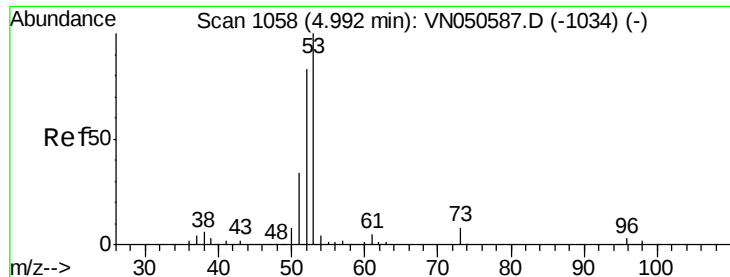
Ion Ratio Lower Upper

41 100

39 59.7 51.4 77.0

76 30.1 29.4 44.0





#15

Acrylonitrile

Concen: 4.502 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

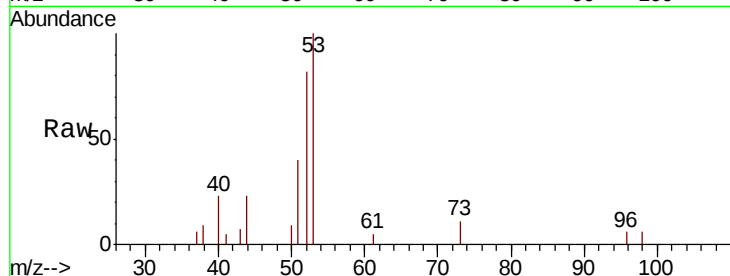
Tot Ion: 53 Resp: 10030

Ion Ratio Lower Upper

53 100

52 57.4 66.2 99.2#

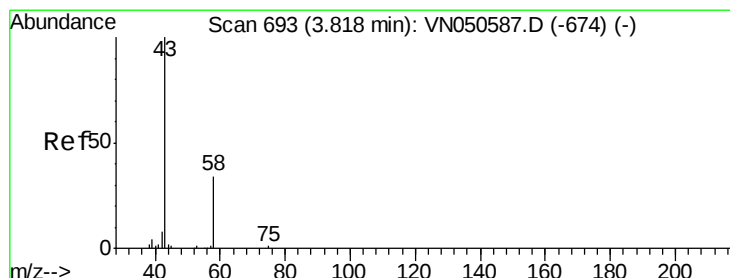
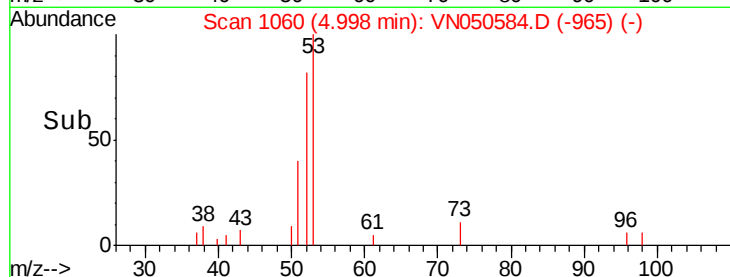
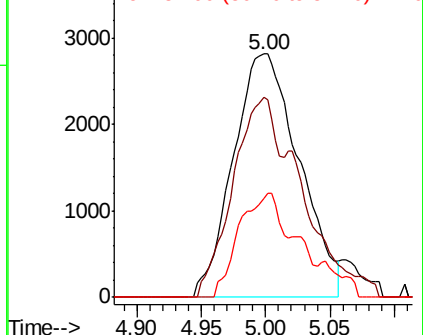
51 27.8 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VN050587.D (-1034) (-)

Ion 52.00 (51.70 to 52.70): VN050587.D (-1034) (-)

Ion 51.00 (50.70 to 51.70): VN050587.D (-1034) (-)



#16

Acetone

Concen: 5.553 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050584.D

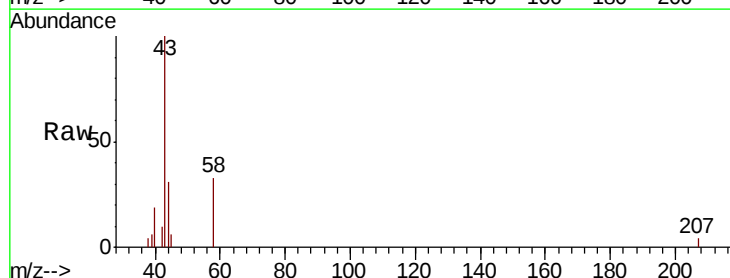
Acq: 13 Aug 2018 23:46

Tgt Ion: 43 Resp: 11805

Ion Ratio Lower Upper

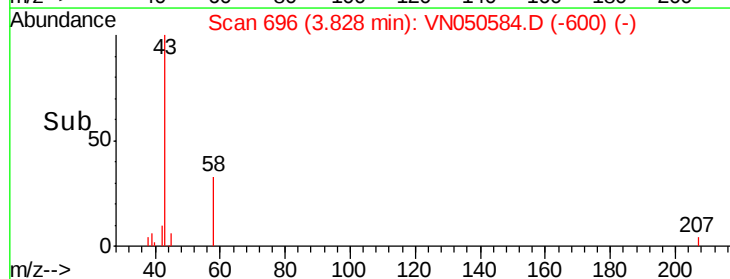
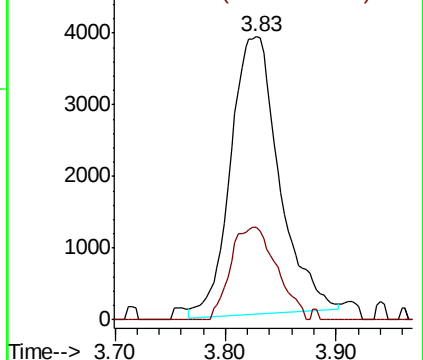
43 100

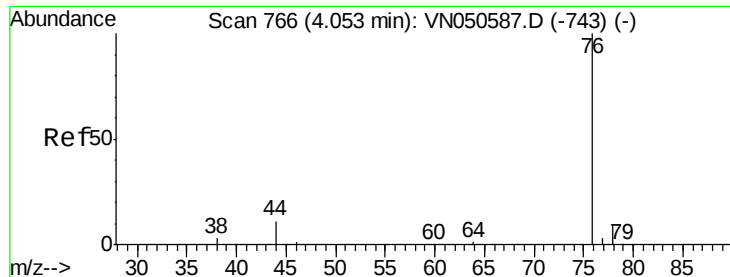
58 34.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-674) (-)

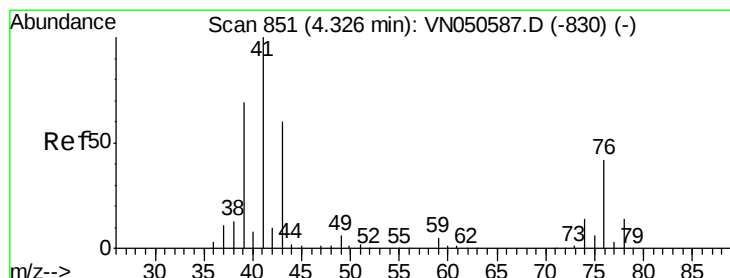
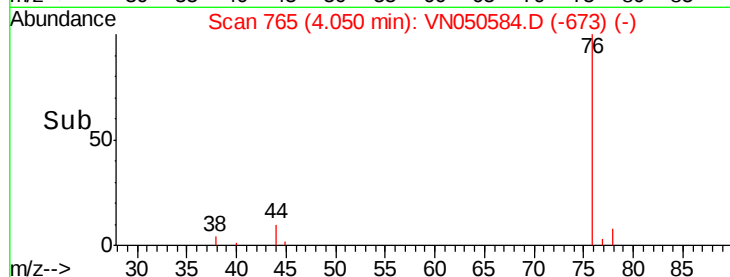
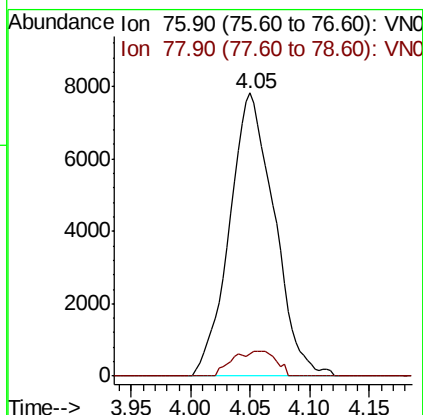
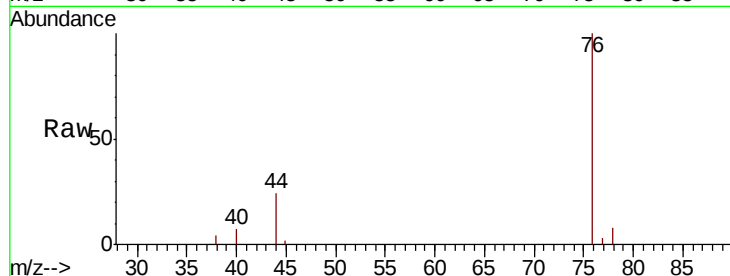




#17
Carbon Disulfide
Concen: 1.140 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

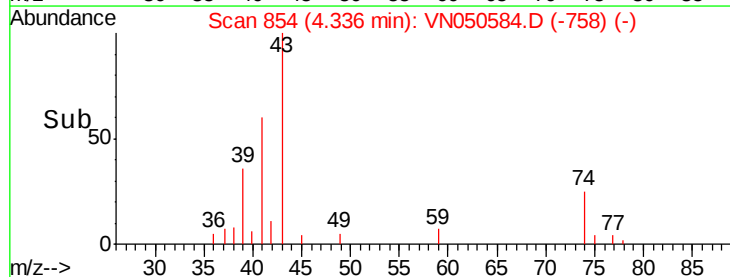
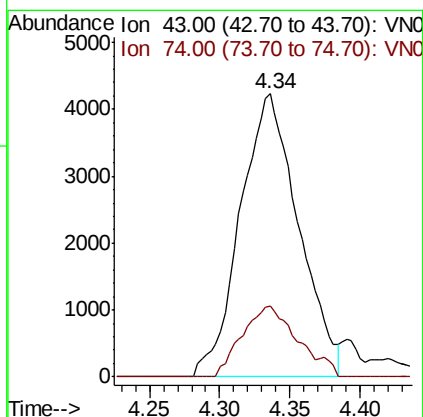
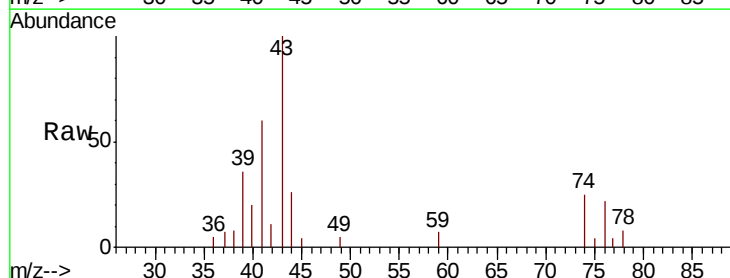
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

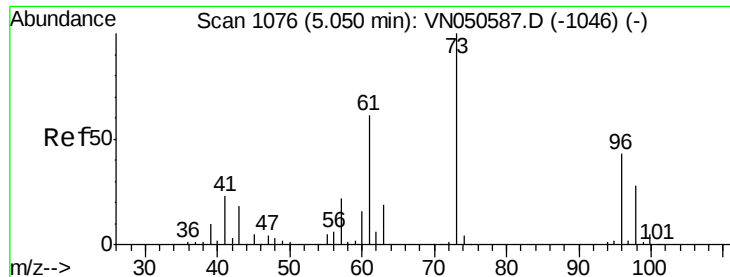
Tot Ion: 76 Resp: 20394
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#18
Methyl Acetate
Concen: 2.014 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 43 Resp: 12207
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5

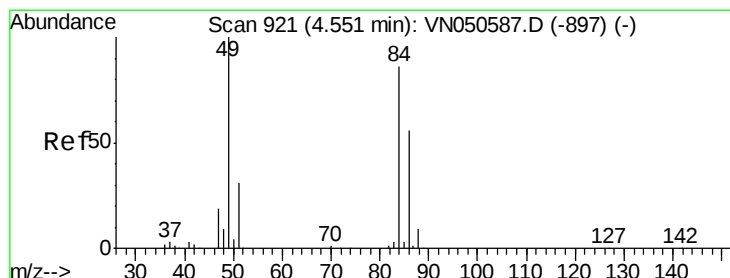
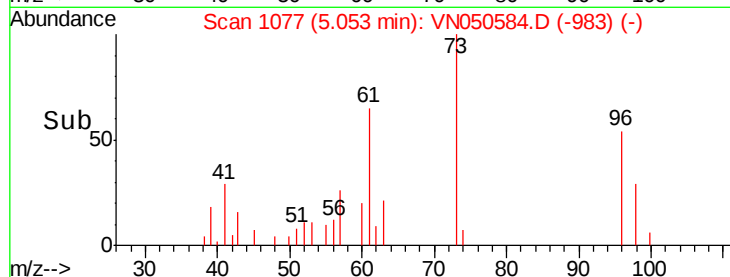
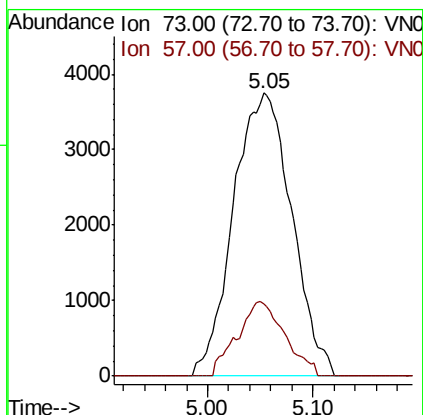
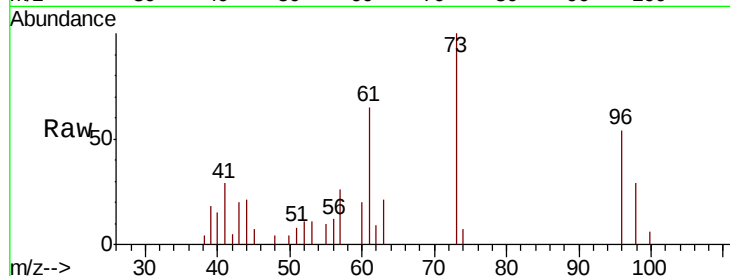




#19
Methyl tert-butyl Ether
Concen: 0.939 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

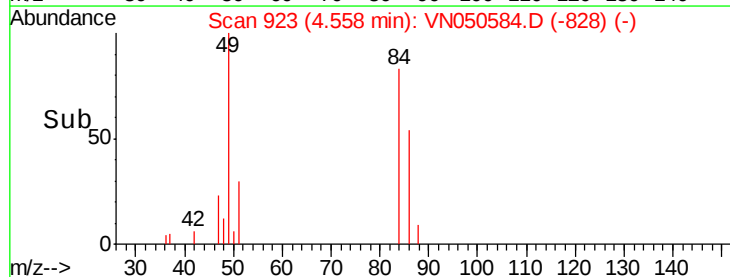
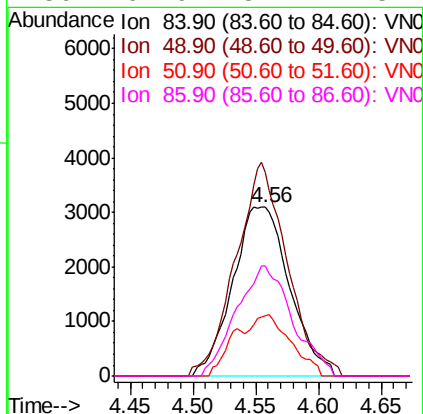
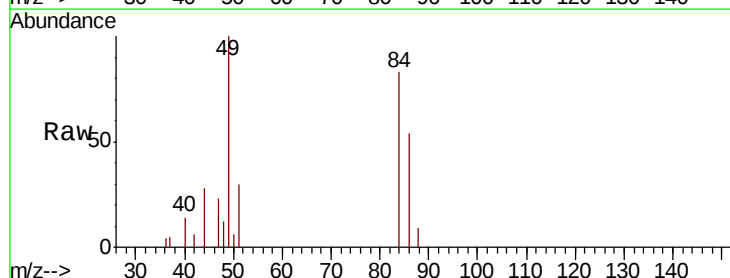
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

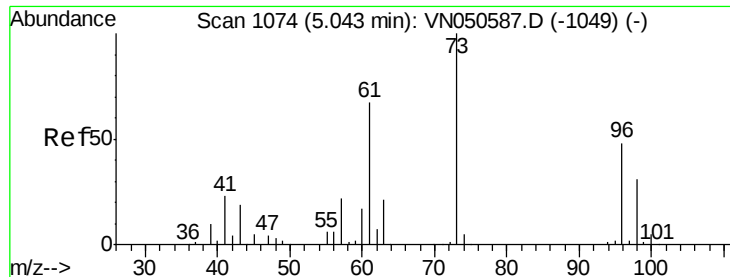
Tot Ion: 73 Resp: 14400
Ion Ratio Lower Upper
73 100
57 25.7 17.9 26.9



#20
Methylene Chloride
Concen: 1.285 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 84 Resp: 9724
Ion Ratio Lower Upper
84 100
49 120.6 92.6 138.8
51 35.7 28.6 43.0
86 64.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 1.125 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

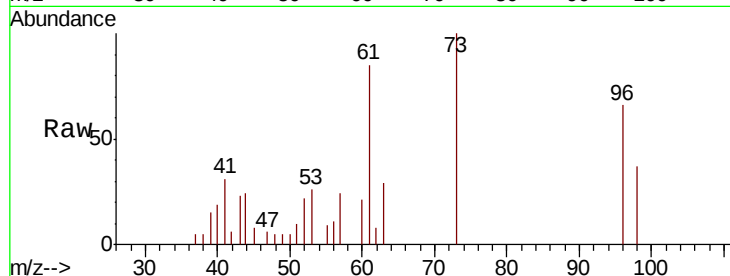
Tot Ion: 96 Resp: 6690

Ion Ratio Lower Upper

96 100

61 127.8 111.2 166.8

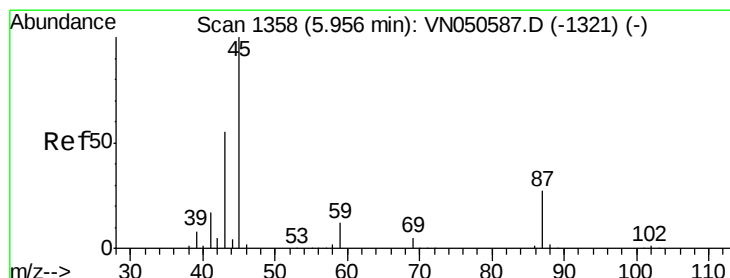
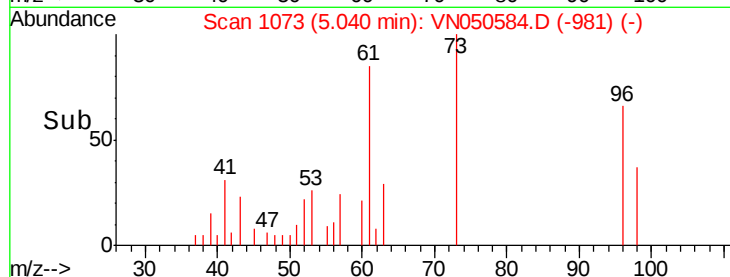
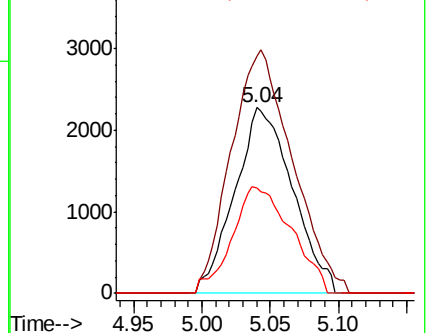
98 56.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN050587.D (-1049) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1049) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1049) (-)



#22

Diisopropyl ether

Concen: 0.916 ug/l

RT: 5.96 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion: 45 Resp: 16469

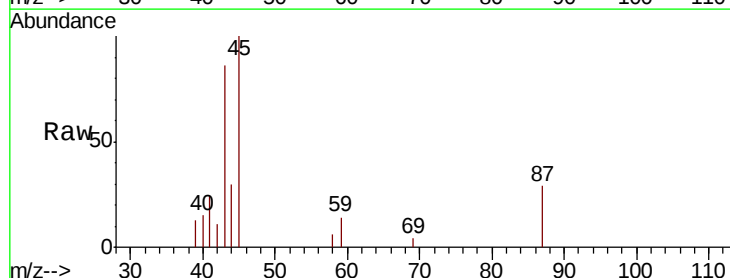
Ion Ratio Lower Upper

45 100

43 76.7 44.5 66.7#

87 29.4 22.2 33.2

59 14.0 9.5 14.3

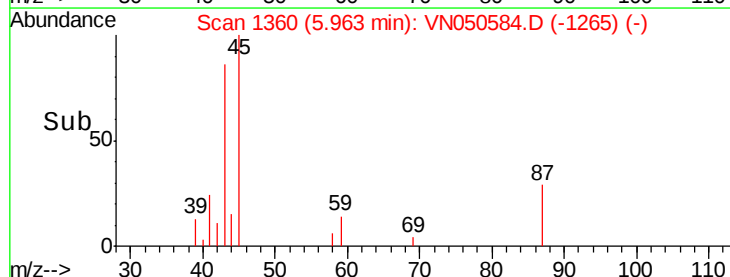
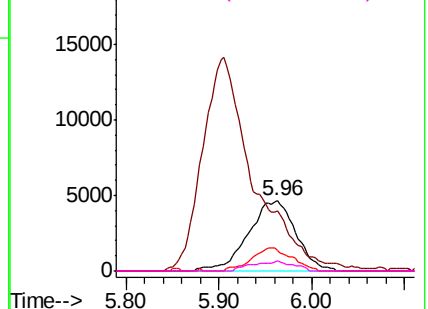


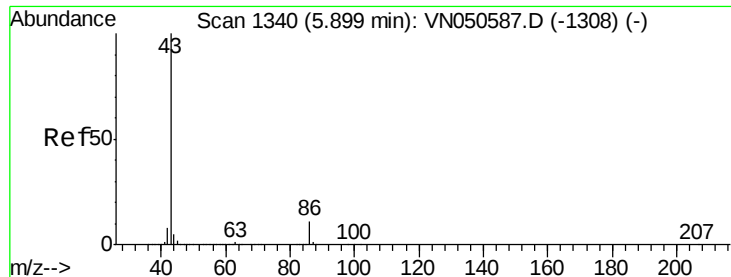
Abundance Ion 45.00 (44.70 to 45.70): VN050587.D (-1321) (-)

Ion 43.00 (42.70 to 43.70): VN050587.D (-1321) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-1321) (-)

Ion 59.00 (58.70 to 59.70): VN050587.D (-1321) (-)





#23

Vinyl Acetate

Concen: 4.239 ug/l

RT: 5.90 min Scan# 1342

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

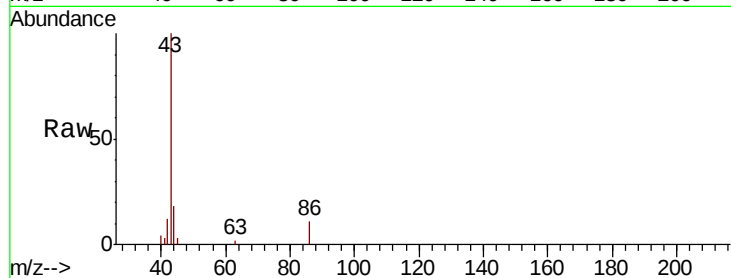
VSTDIC001

Tot Ion: 43 Resp: 53512

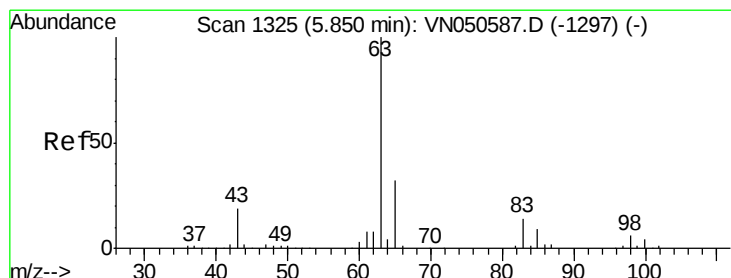
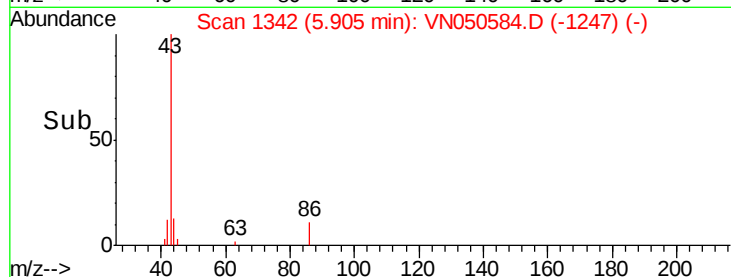
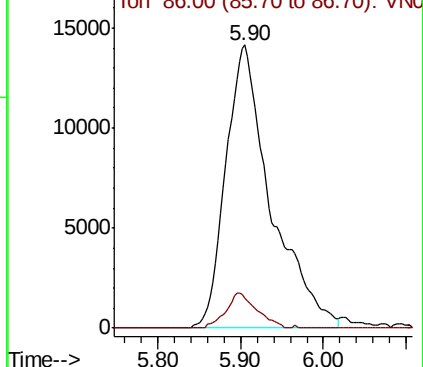
Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 1.236 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

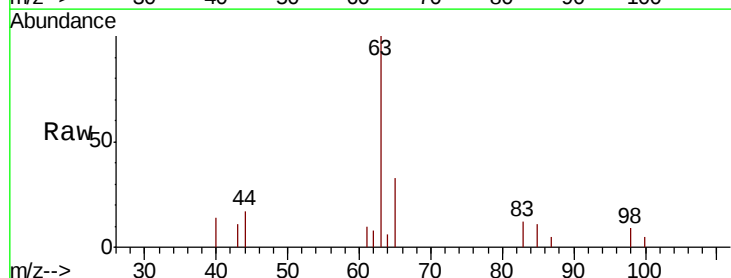
Tgt Ion: 63 Resp: 13679

Ion Ratio Lower Upper

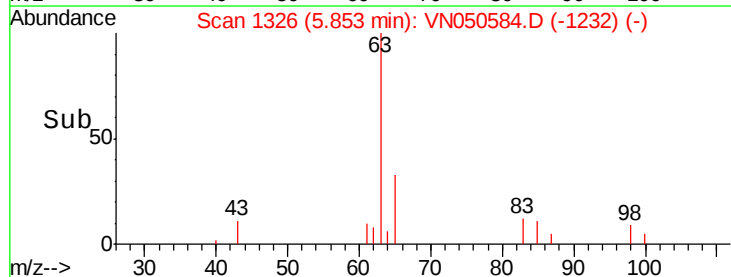
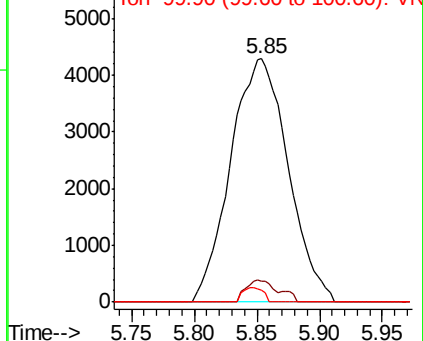
63 100

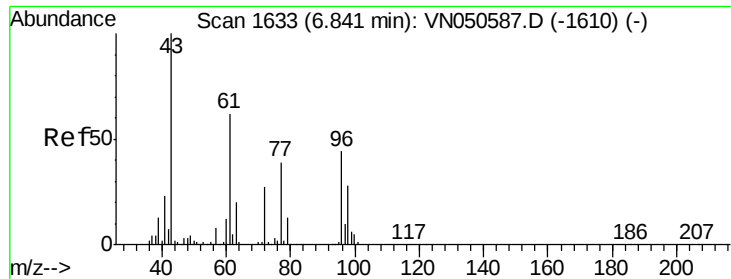
98 8.8 3.2 9.6

100 4.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-1297) (-)





#25

2-Butanone

Concen: 4.253 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

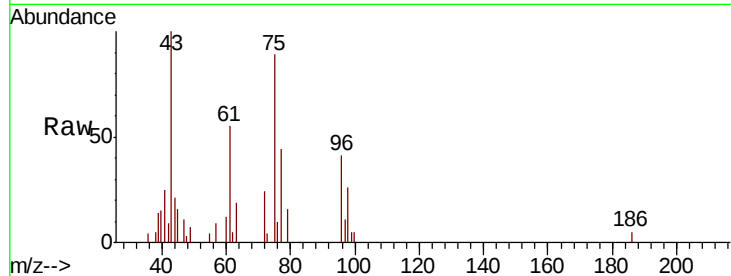
VSTDIC001

Tot Ion: 43 Resp: 13764

Ion Ratio Lower Upper

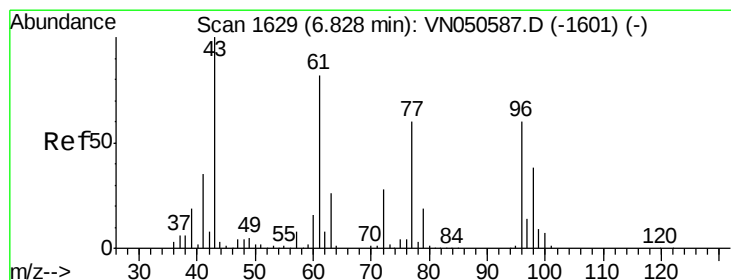
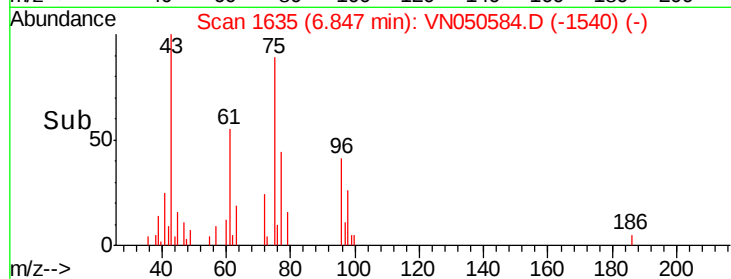
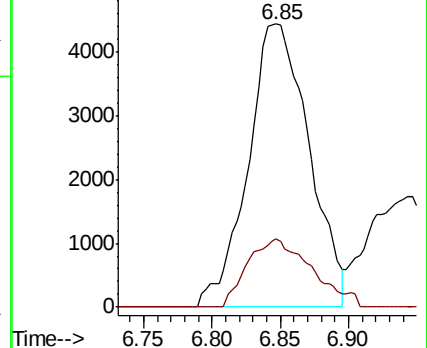
43 100

72 24.1 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: 1.110 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050584.D

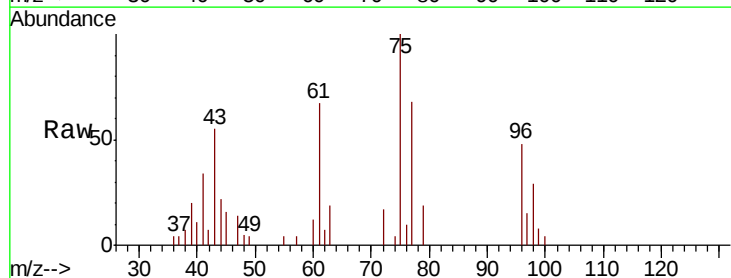
Acq: 13 Aug 2018 23:46

Tgt Ion: 77 Resp: 9815

Ion Ratio Lower Upper

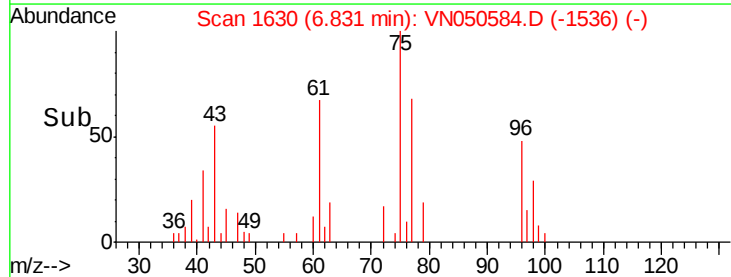
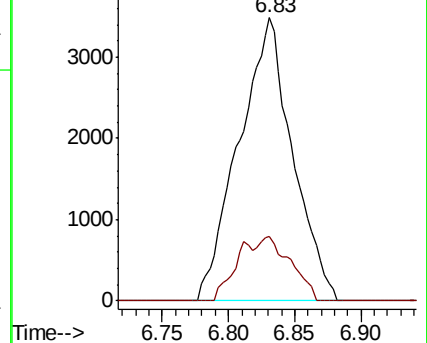
77 100

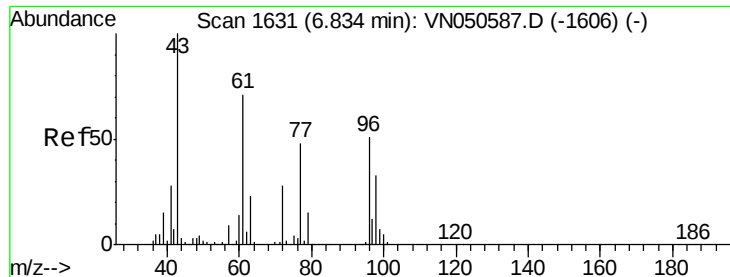
97 7.8 12.2 36.4#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

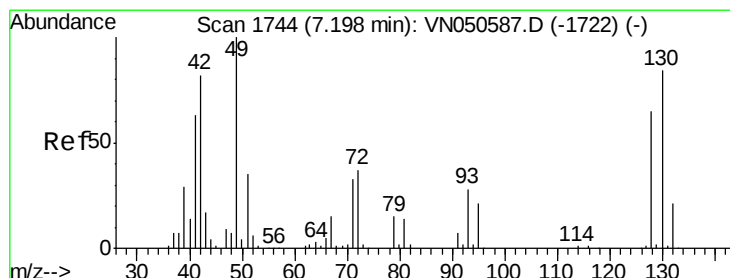
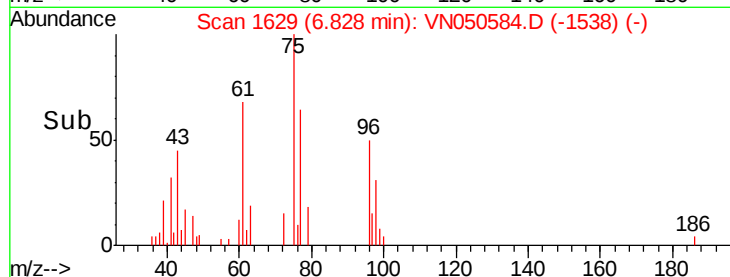
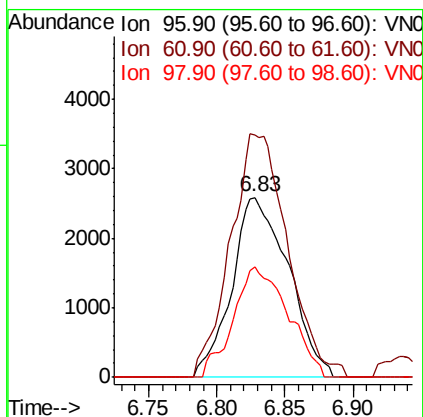
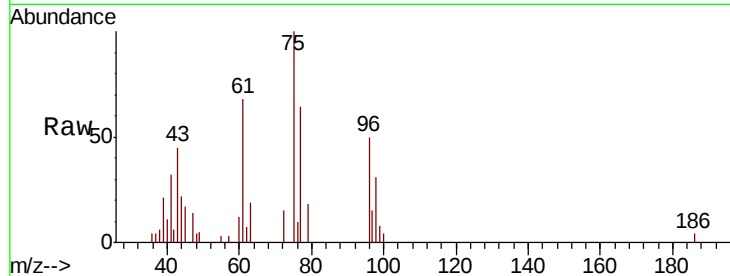




#27
 cis-1,2-Dichloroethene
 Concen: 1.132 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

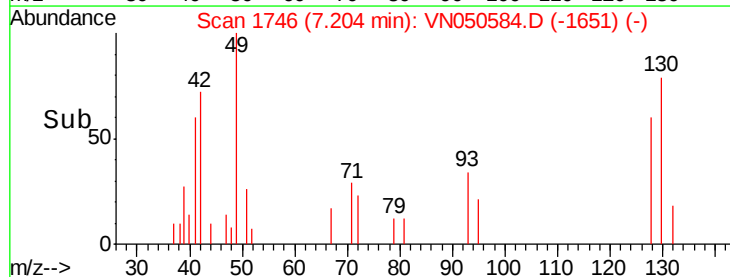
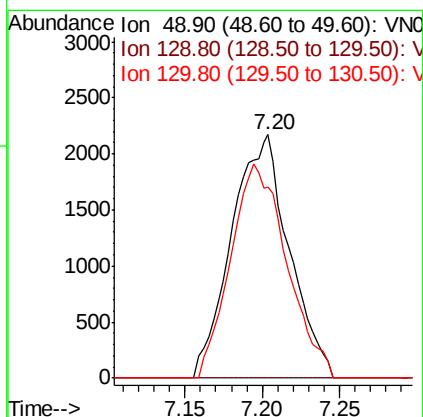
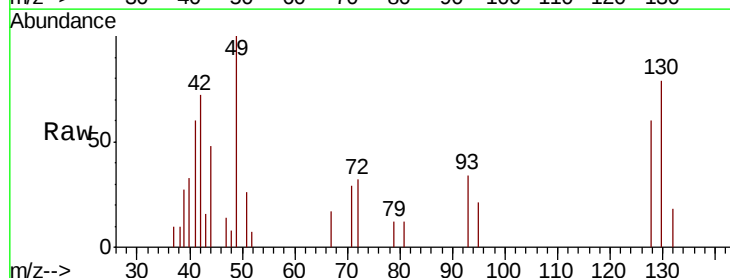
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

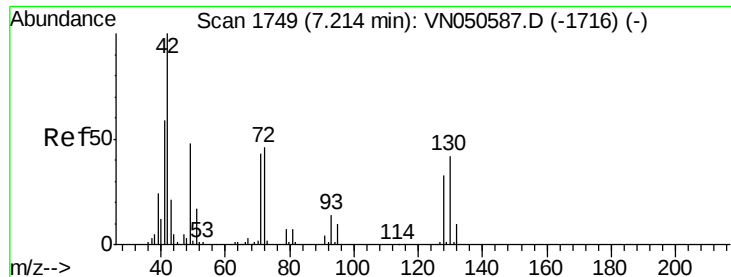
Tot Ion: 96 Resp: 7451
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 278.2
 98 59.6 0.0 128.8



#28
 Bromochloromethane
 Concen: 1.100 ug/l
 RT: 7.20 min Scan# 1746
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 49 Resp: 5613
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 86.0 66.8 100.2

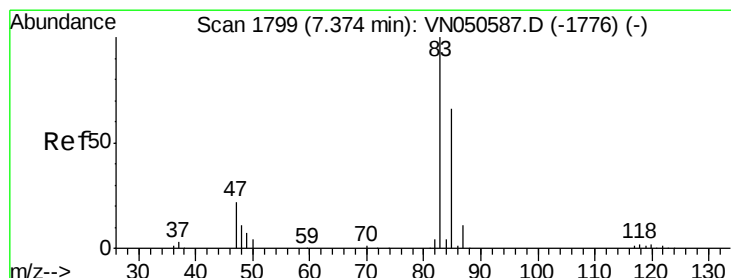
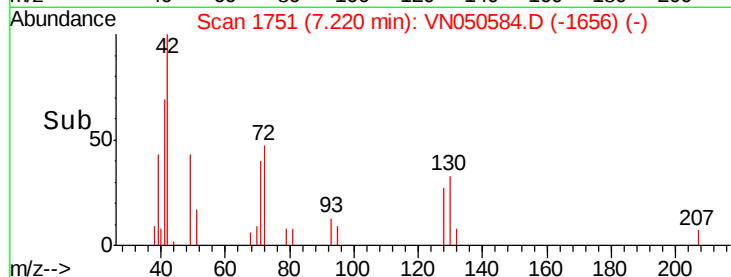
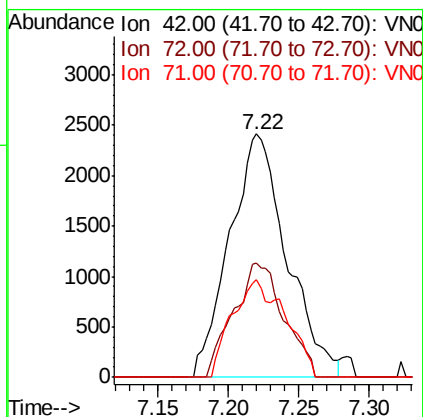
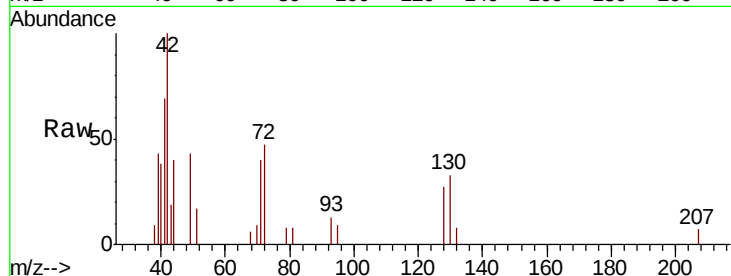




#29
Tetrahydrofuran
Concen: 3.944 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

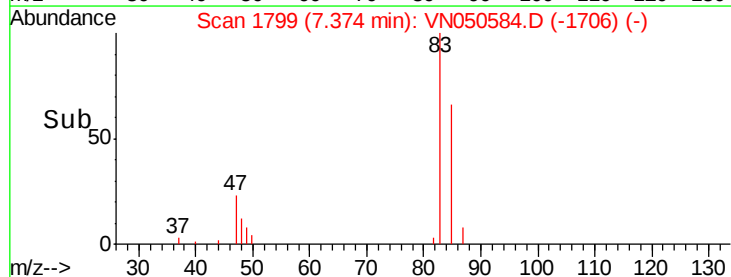
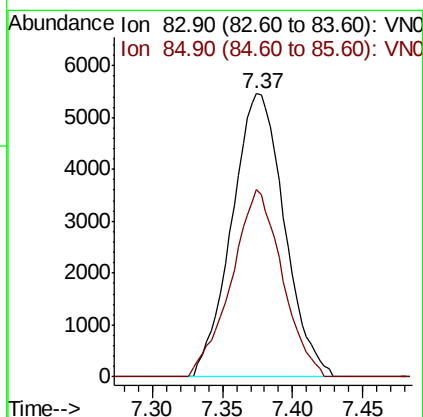
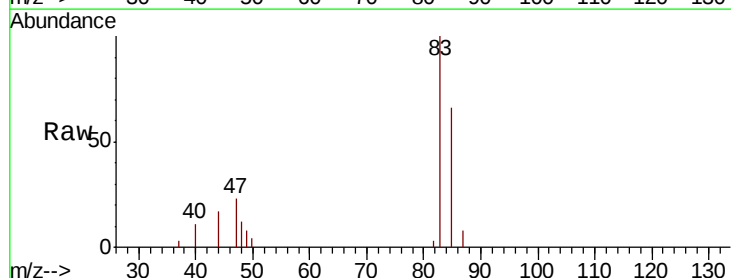
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

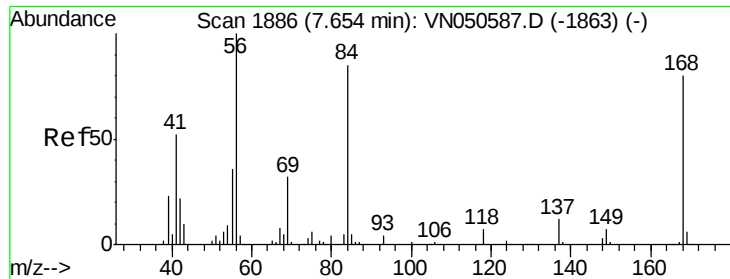
Tot Ion: 42 Resp: 6847
Ion Ratio Lower Upper
42 100
72 41.4 35.8 53.6
71 37.3 33.4 50.0



#30
Chloroform
Concen: 1.284 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 83 Resp: 14201
Ion Ratio Lower Upper
83 100
85 66.2 52.5 78.7

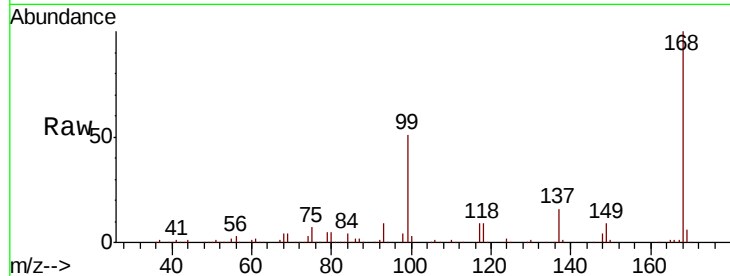




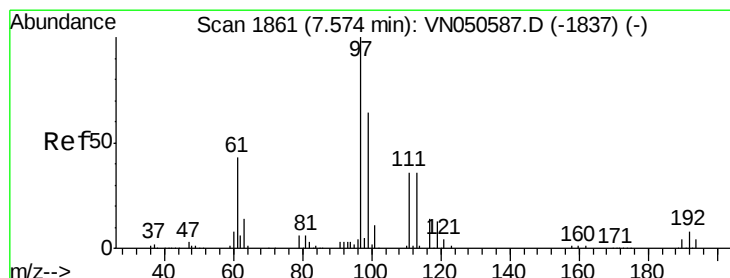
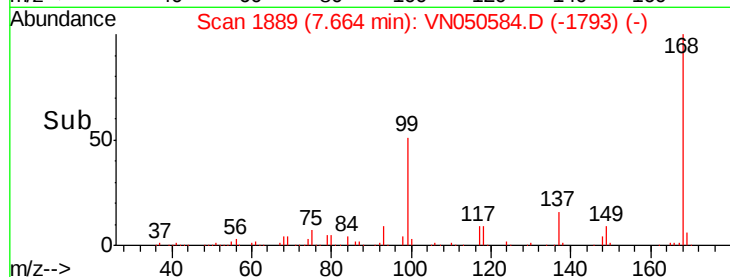
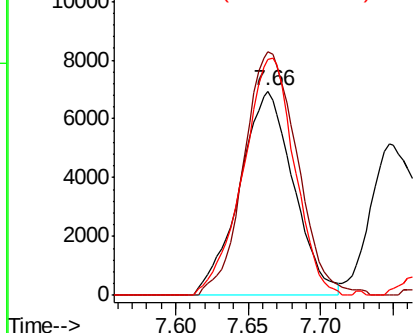
#31
Cyclohexane
Concen: 1.625 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 18007
Ion Ratio Lower Upper
56 100
69 119.0 25.8 38.6#
84 115.3 67.8 101.6#

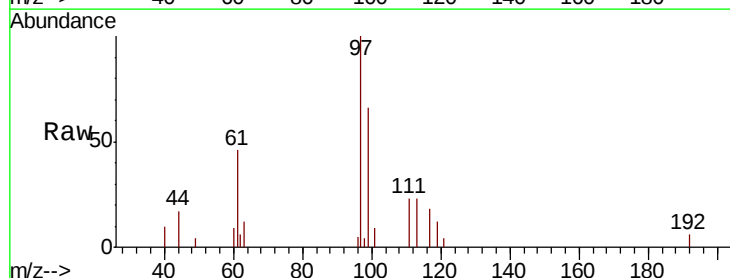


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

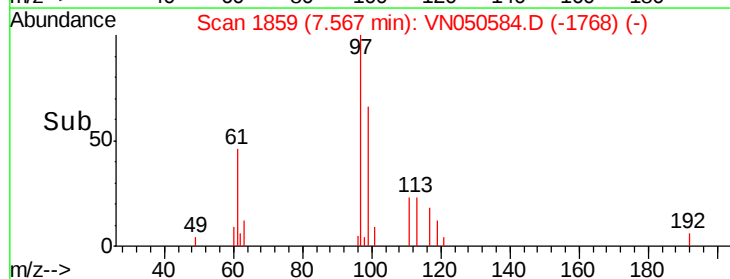
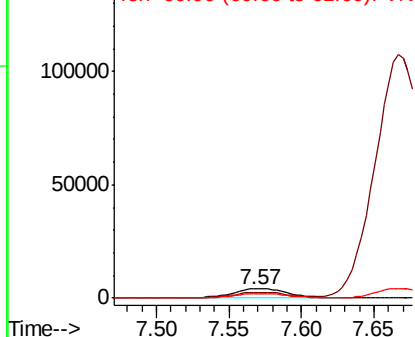


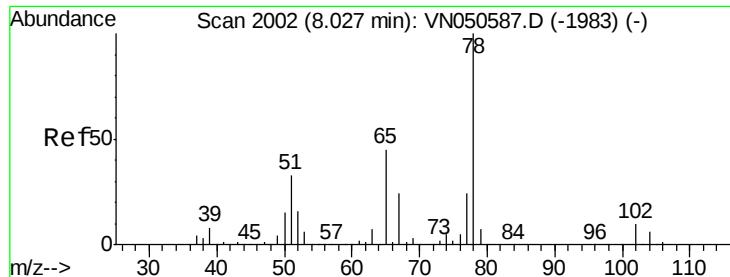
#32
1,1,1-Trichloroethane
Concen: 1.162 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 97 Resp: 11035
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 47.6 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

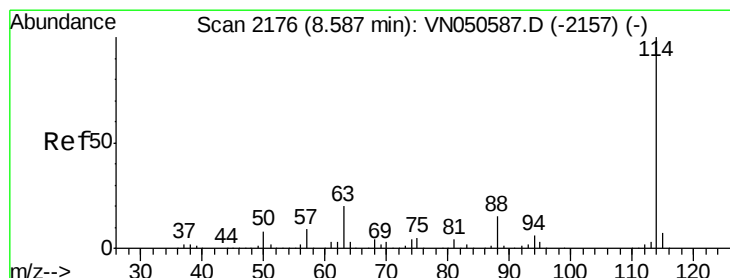
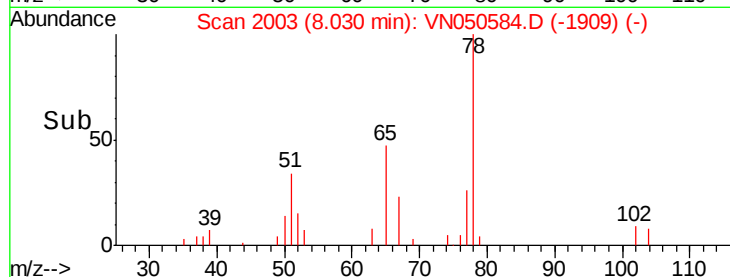
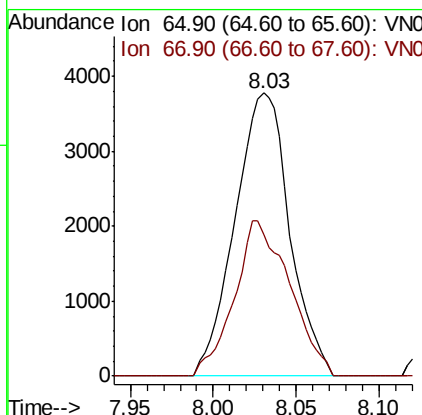
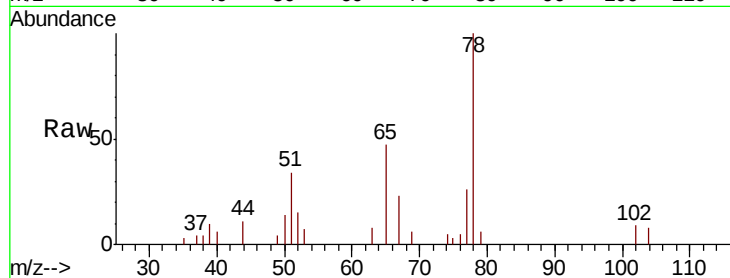




#33
 1,2-Dichloroethane-d4
 Concen: 1.280 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

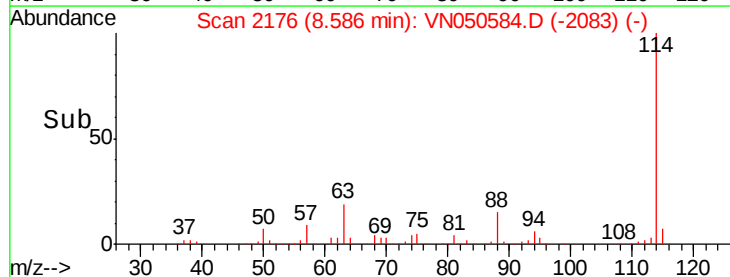
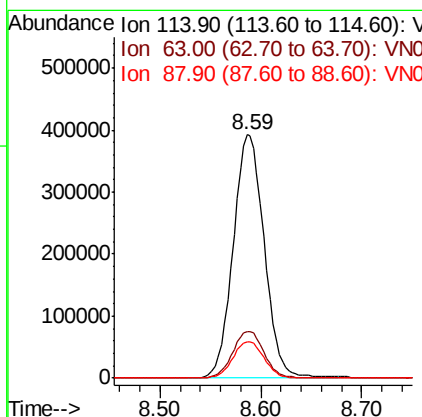
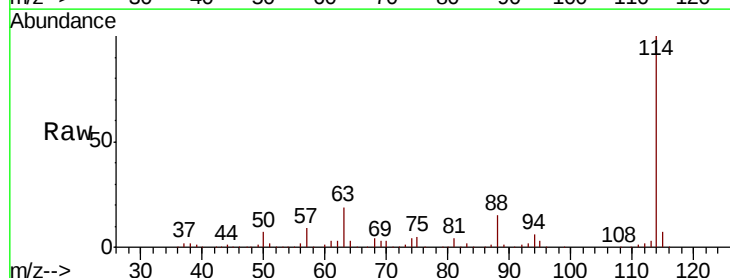
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

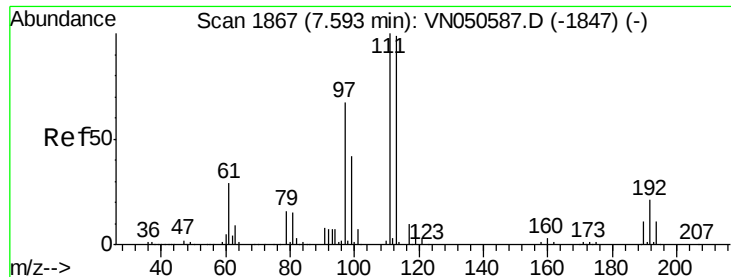
Tot Ion: 65 Resp: 8641
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 114 Resp: 836986
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.0 0.0 30.8

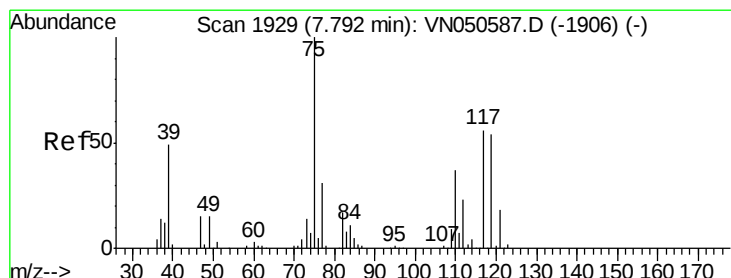
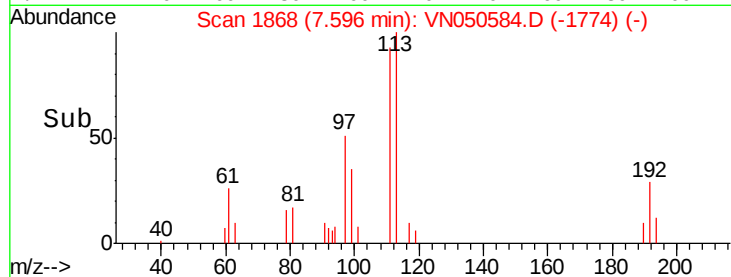
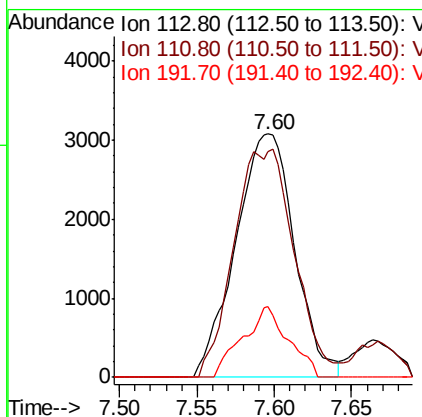
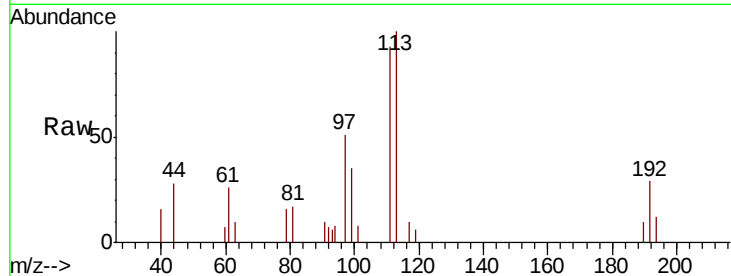




#35
 Dibromofluoromethane
 Concen: 1.211 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

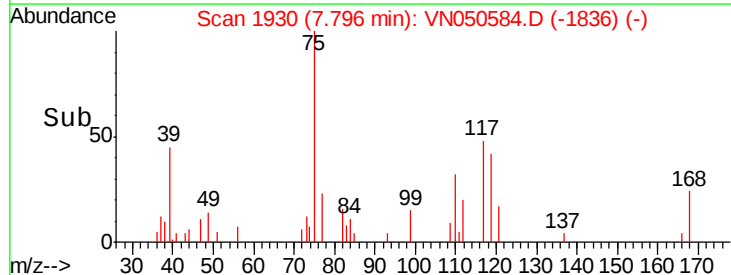
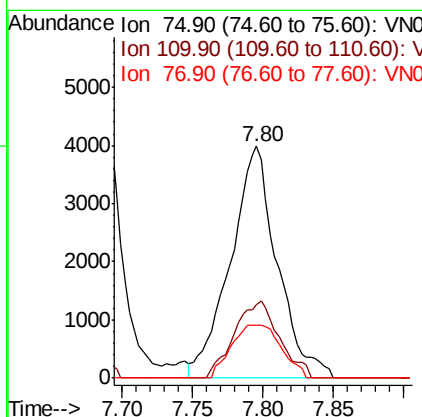
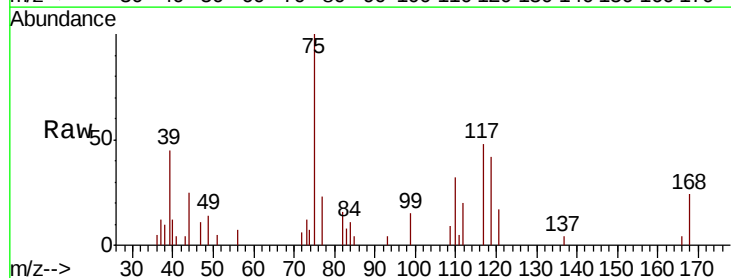
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

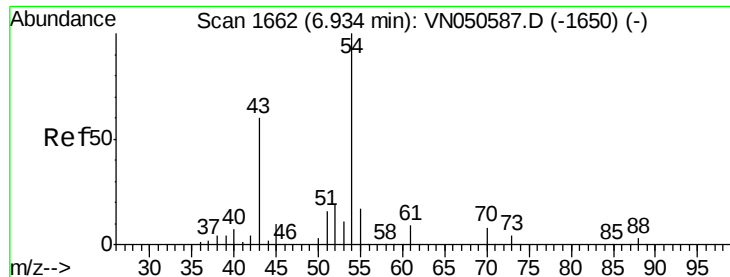
Tot Ion:113 Resp: 8146
 Ion Ratio Lower Upper
 113 100
 111 49.6 81.0 121.6#
 192 22.6 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 1.008 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 75 Resp: 9256
 Ion Ratio Lower Upper
 75 100
 110 32.0 18.3 54.9
 77 24.3 25.0 37.4#

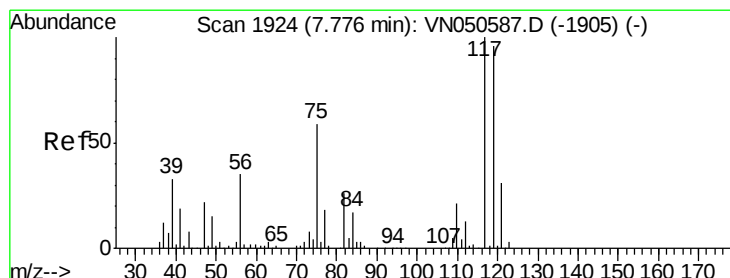
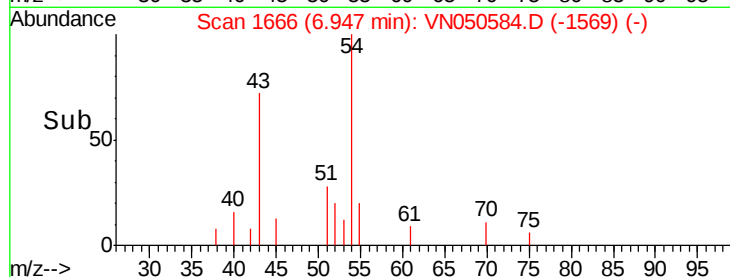
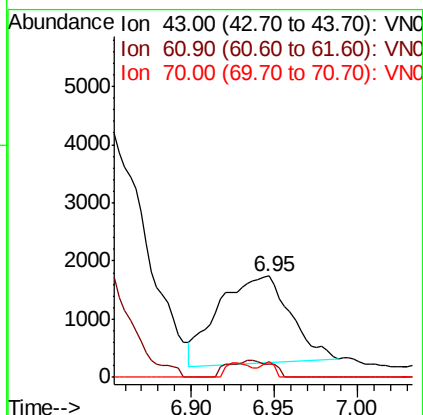
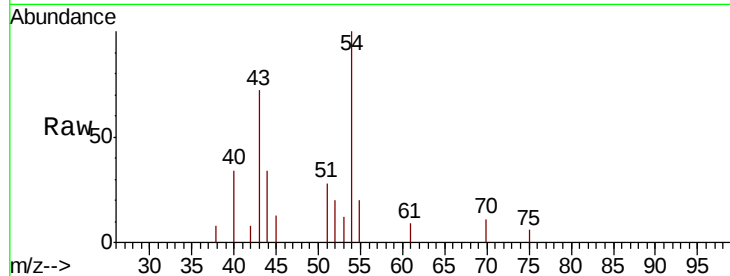




#37
Ethyl Acetate
Concen: 0.717 ug/l
RT: 6.95 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

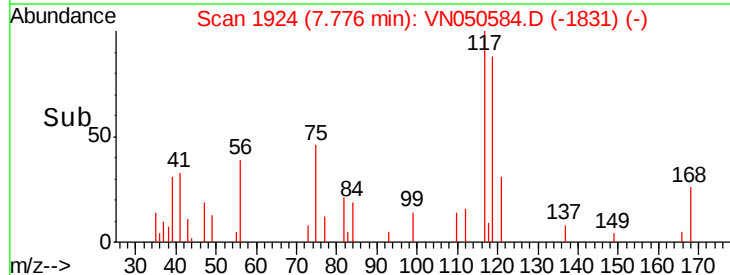
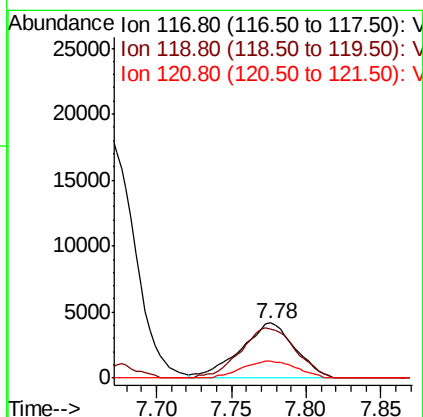
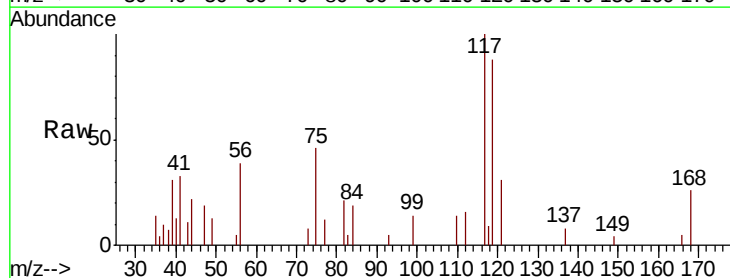
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

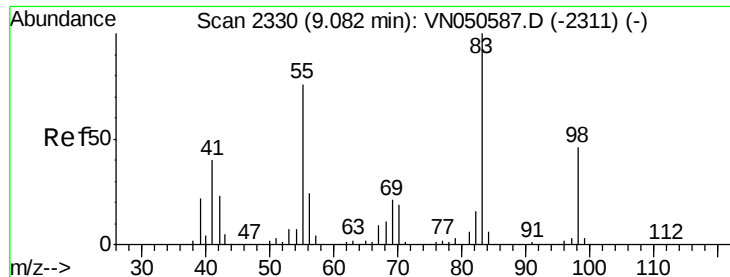
Tot Ion: 43 Resp: 4555
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 3.7 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 1.111 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 117 Resp: 10647
Ion Ratio Lower Upper
117 100
119 88.4 76.6 115.0
121 30.7 25.0 37.6

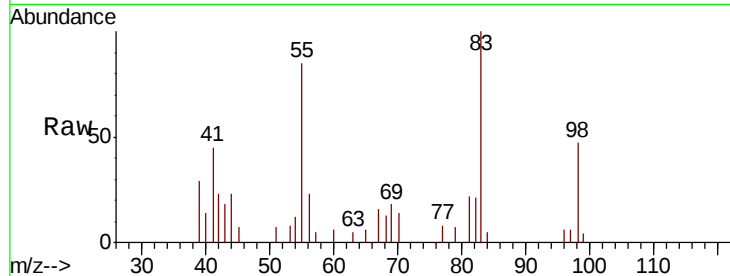




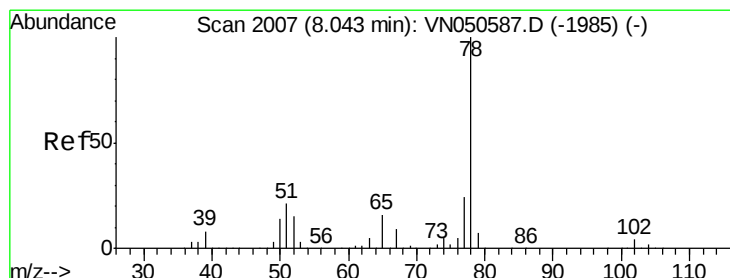
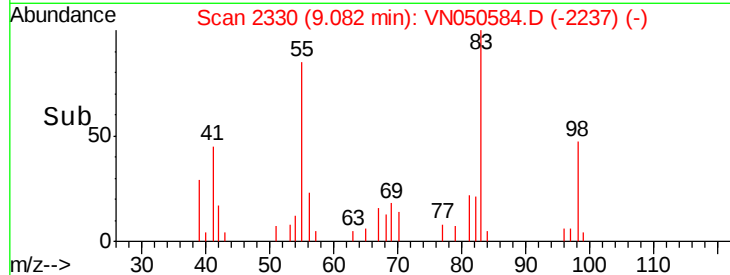
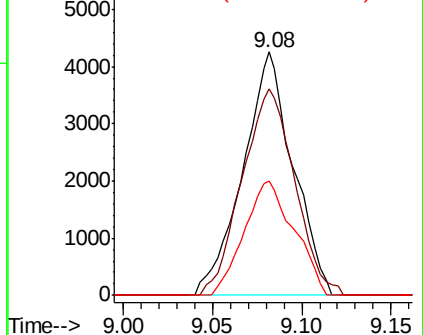
#39
Methvlcvclohexane
Concen: 0.835 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 8361
Ion Ratio Lower Upper
83 100
55 84.7 60.6 91.0
98 47.2 37.0 55.4

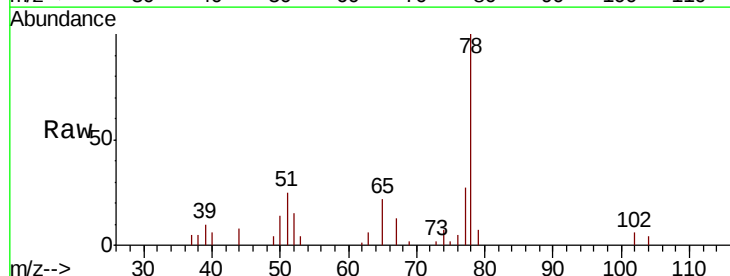


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

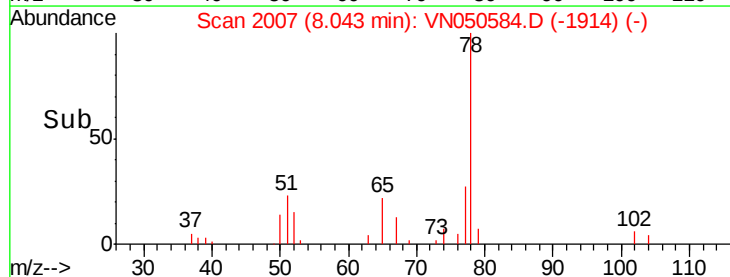
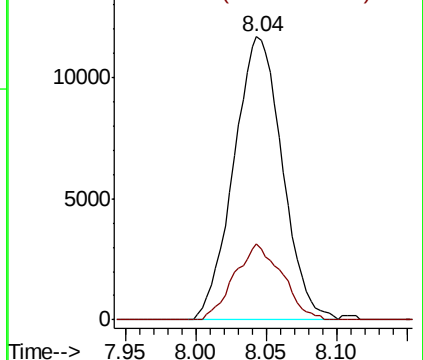


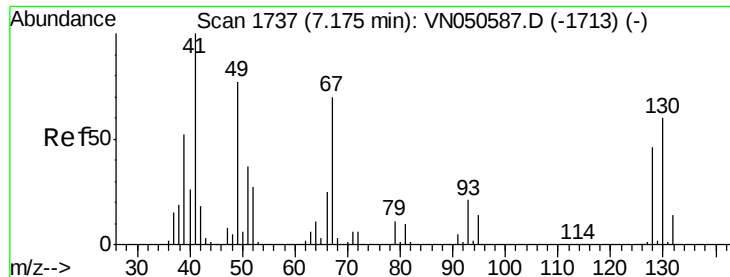
#40
Benzene
Concen: 0.995 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 78 Resp: 28133
Ion Ratio Lower Upper
78 100
77 26.7 19.0 28.6



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





#41

Methacrylonitrile

Concen: 0.427 ug/l

RT: 7.17 min Scan# 1735

Delta R.T. -0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 1465

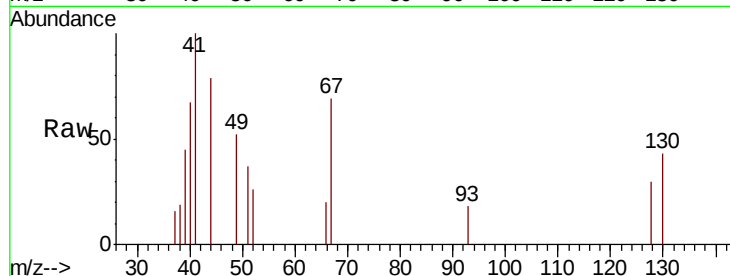
Ion Ratio Lower Upper

41 100

39 78.6 44.6 66.8#

67 94.6 66.7 100.1

52 45.9 26.5 39.7#

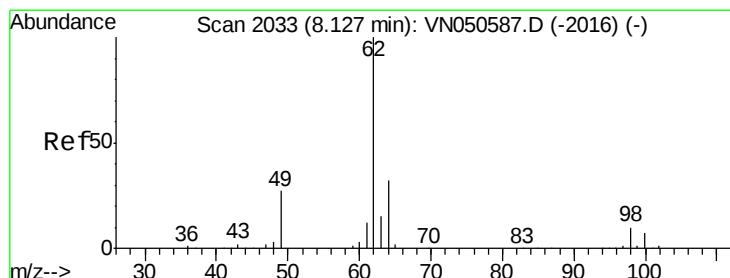
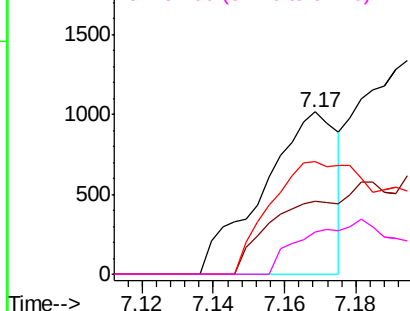
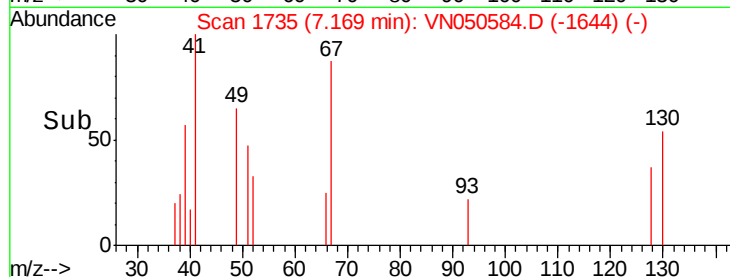


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 1.002 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. -0.00 min

Lab File: VN050584.D

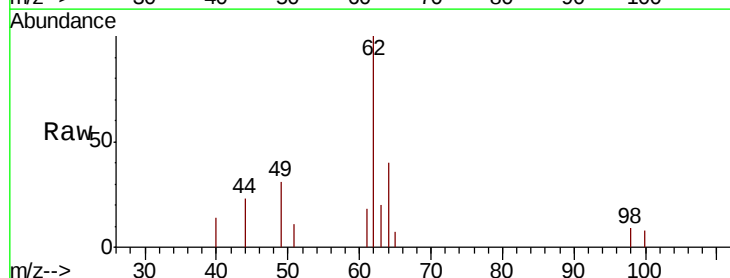
Acq: 13 Aug 2018 23:46

Tgt Ion: 62 Resp: 8910

Ion Ratio Lower Upper

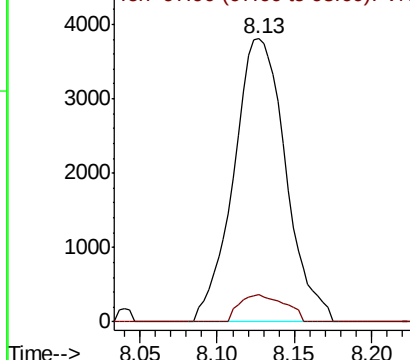
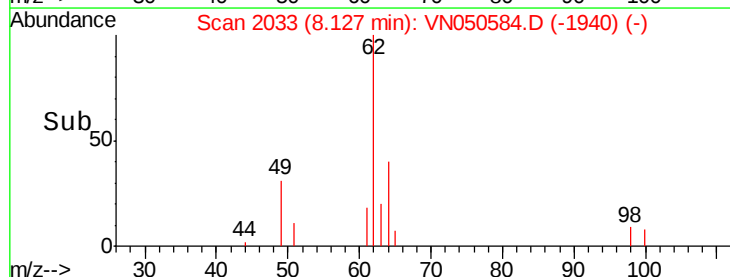
62 100

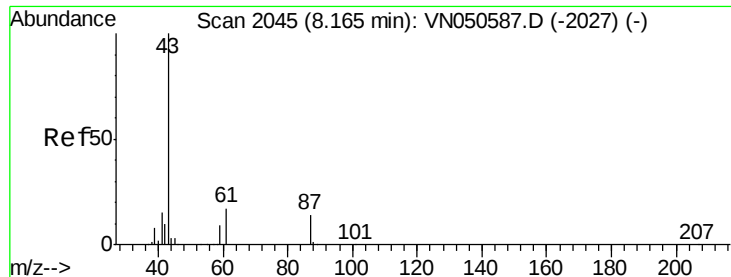
98 8.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.779 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

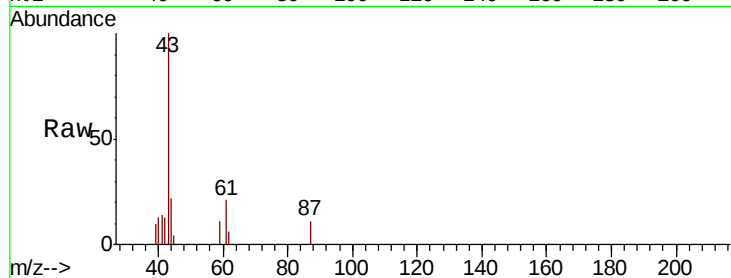
Tot Ion: 43 Resp: 8645

Ion Ratio Lower Upper

43 100

61 22.2 16.2 24.2

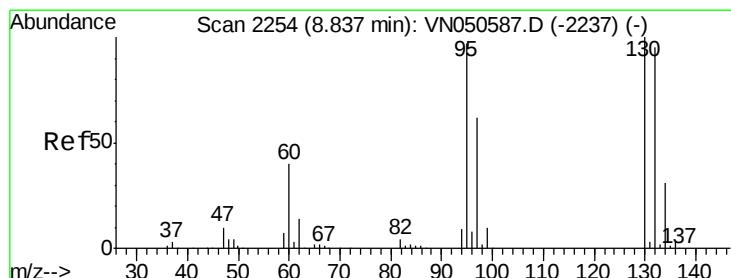
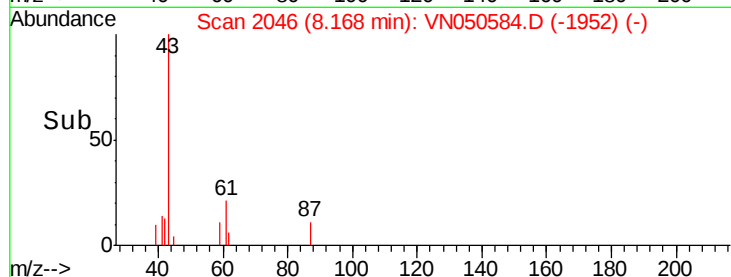
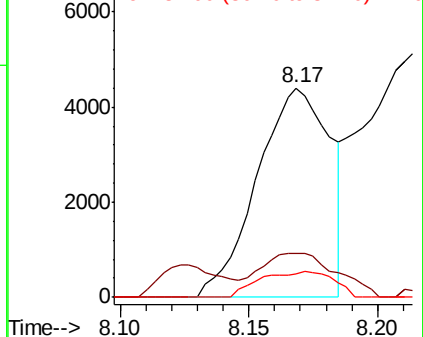
87 12.5 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)



#44

Trichloroethene

Concen: 1.090 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050584.D

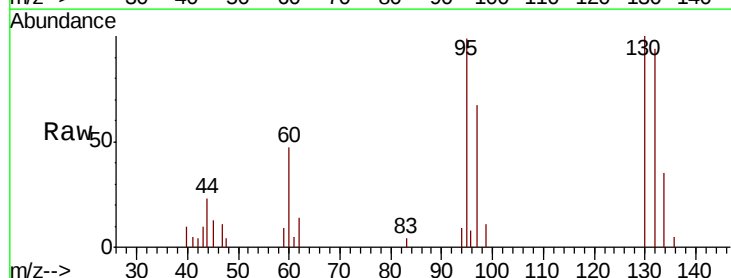
Acq: 13 Aug 2018 23:46

Tgt Ion: 130 Resp: 8290

Ion Ratio Lower Upper

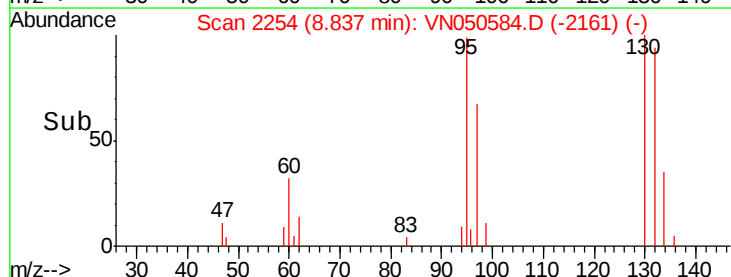
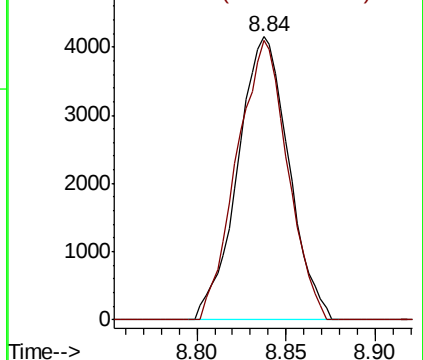
130 100

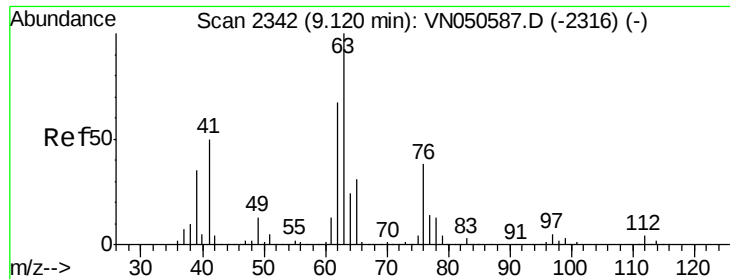
95 98.7 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

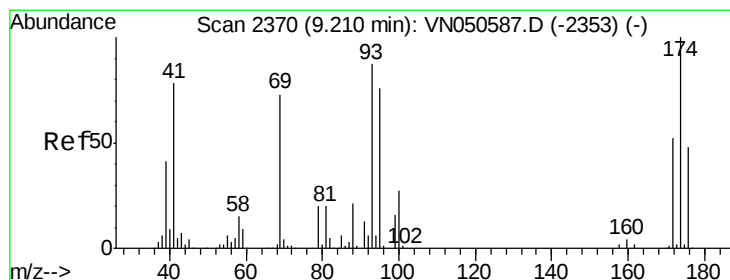
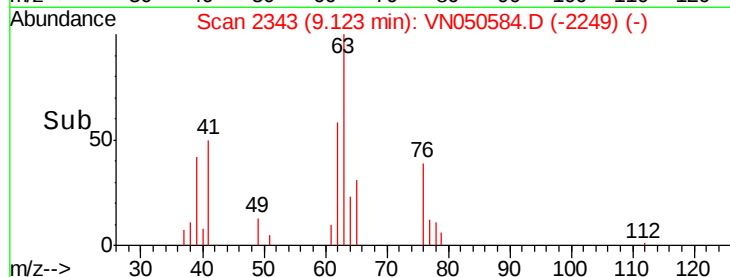
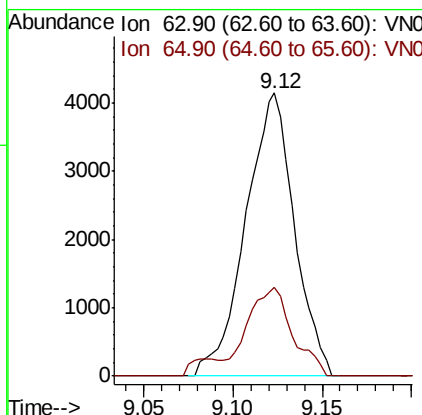
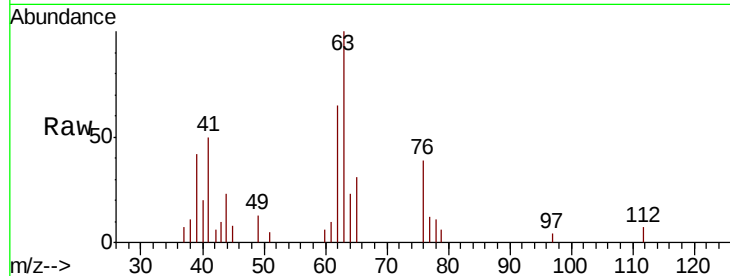




#45
 1,2-Dichloropropane
 Concen: 1.065 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

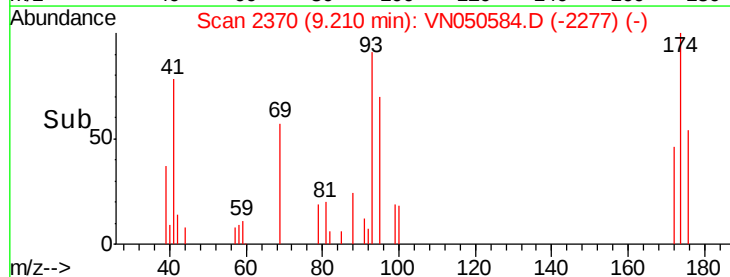
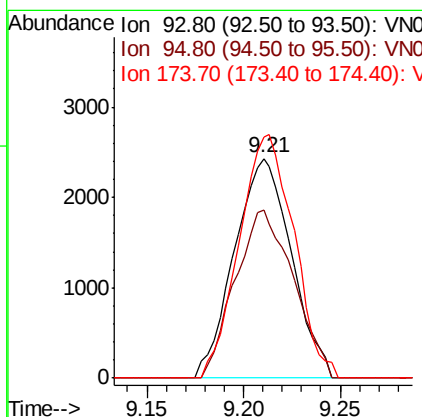
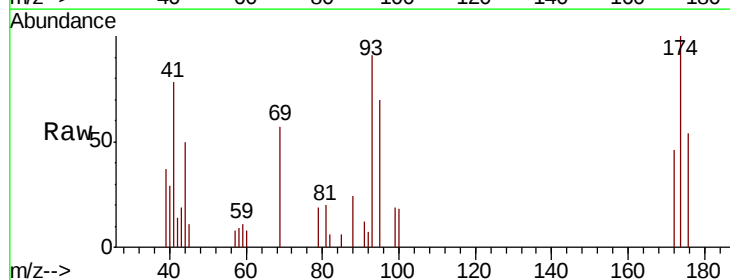
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

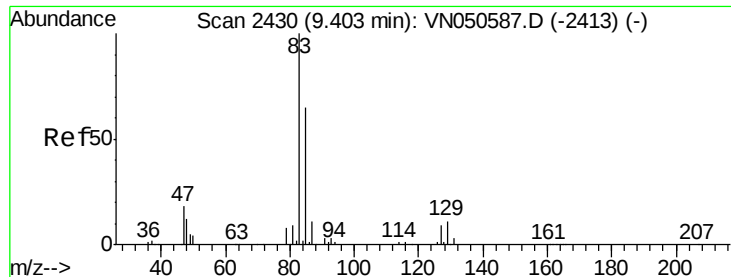
Tot Ion: 63 Resp: 7909
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.5 36.7



#46
 Dibromomethane
 Concen: 1.098 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 93 Resp: 4982
 Ion Ratio Lower Upper
 93 100
 95 78.4 69.1 103.7
 174 106.4 91.0 136.6

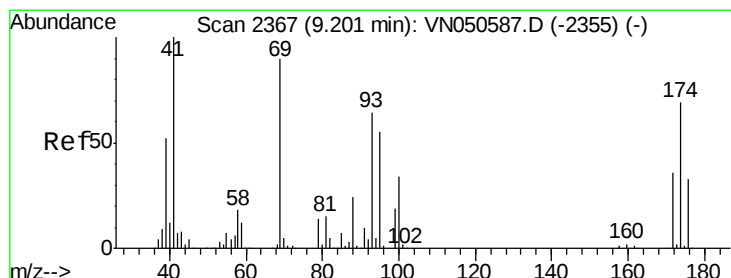
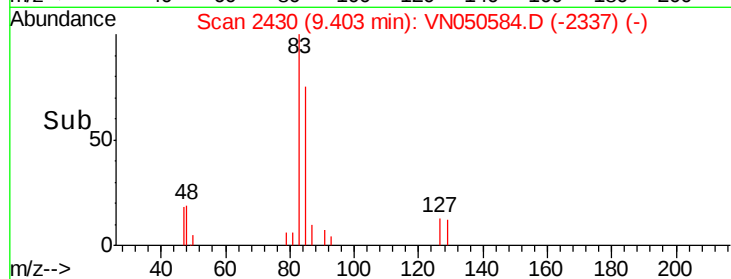
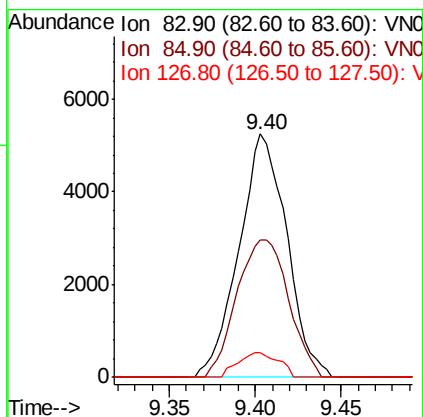
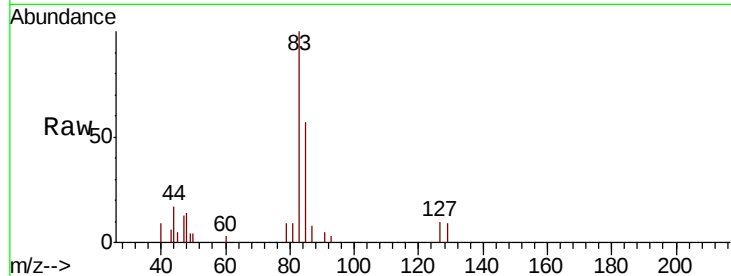




#47
 Bromodichloromethane
 Concen: 1.067 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

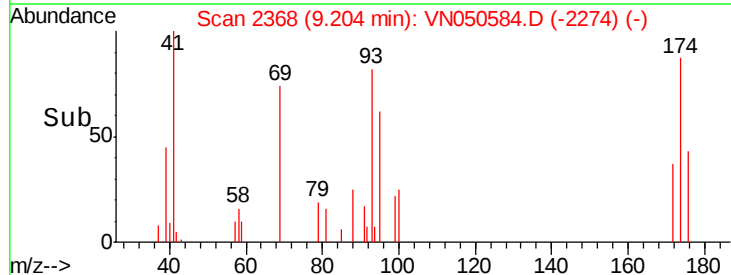
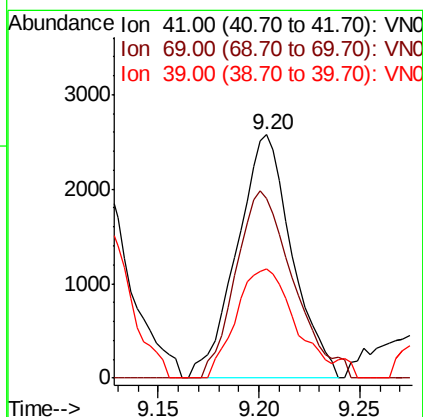
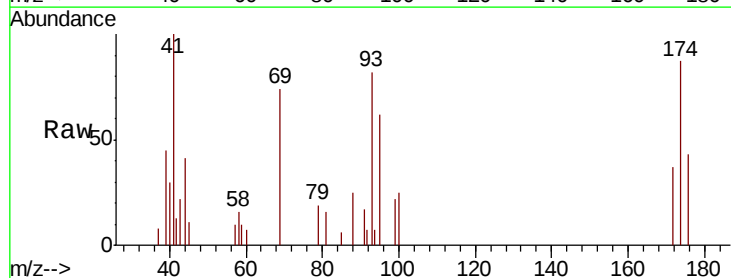
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

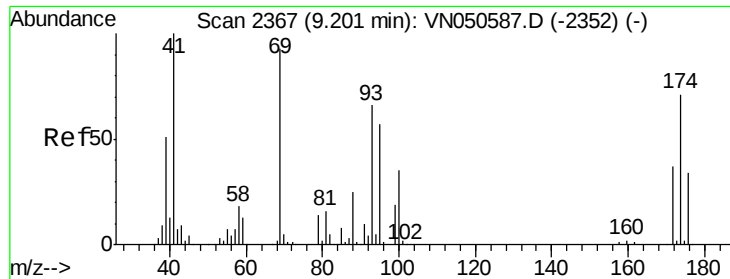
Tot Ion: 83 Resp: 10131
 Ion Ratio Lower Upper
 83 100
 85 56.6 51.8 77.6
 127 9.9 7.2 10.8



#48
 Methyl methacrylate
 Concen: 0.885 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 41 Resp: 4900
 Ion Ratio Lower Upper
 41 100
 69 80.3 73.4 110.0
 39 48.1 43.0 64.6

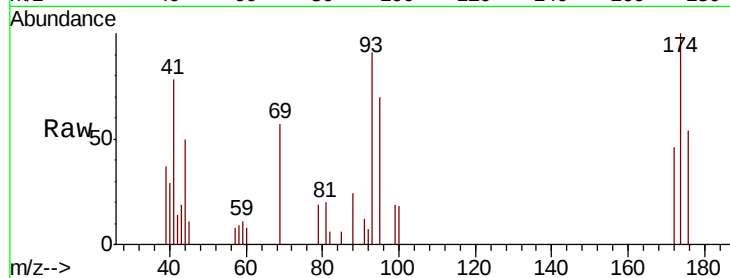




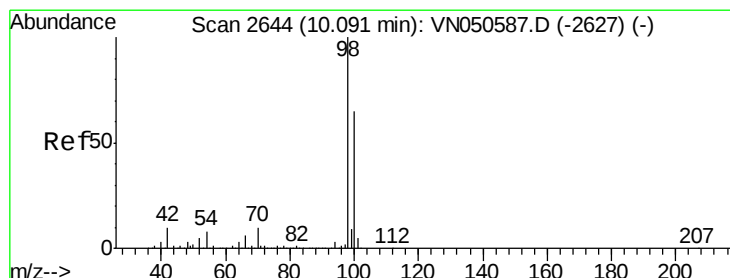
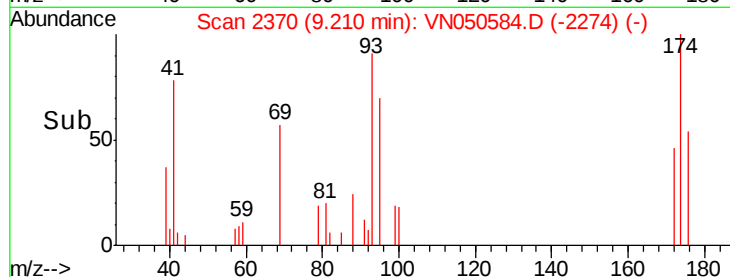
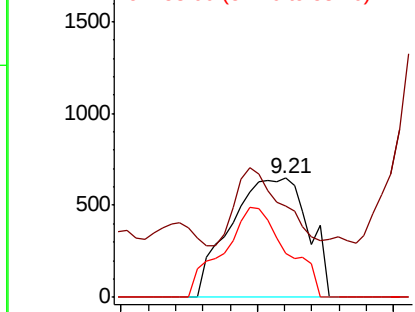
#49
1,4-Dioxane
Concen: 15.148 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 88 Resp: 1275
Ion Ratio Lower Upper
88 100
43 39.1 25.9 38.9#
58 61.8 56.5 84.7

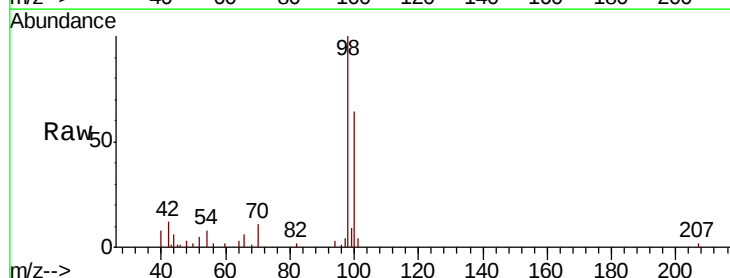


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

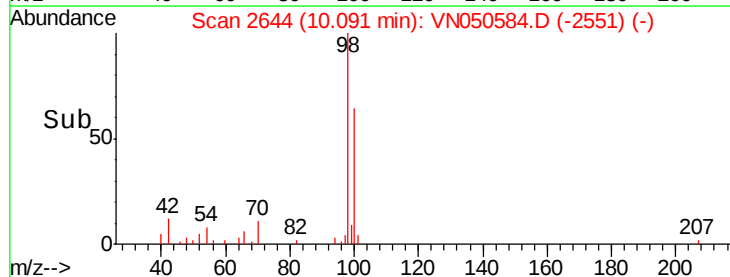
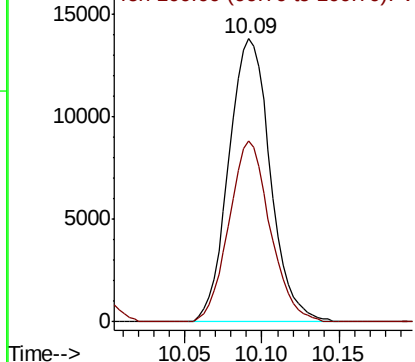


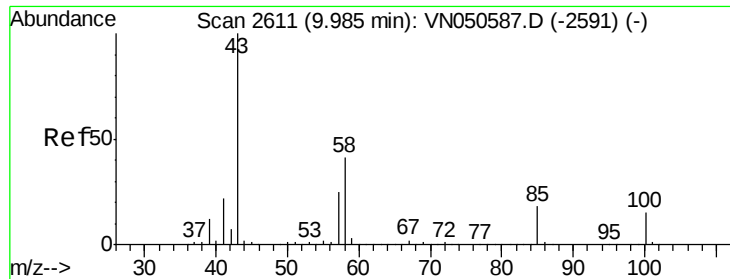
#50
Toluene-d8
Concen: 1.020 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 98 Resp: 25789
Ion Ratio Lower Upper
98 100
100 63.1 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: 3.617 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

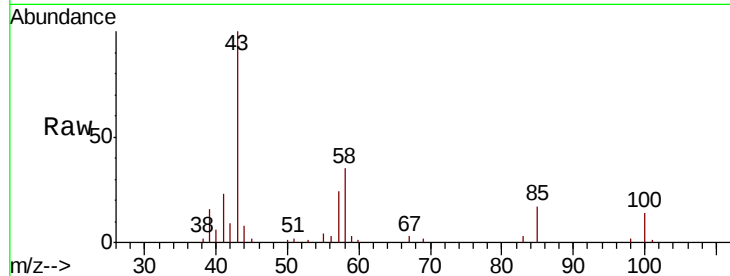
VSTDIC001

Tot Ion: 43 Resp: 28648

Ion Ratio Lower Upper

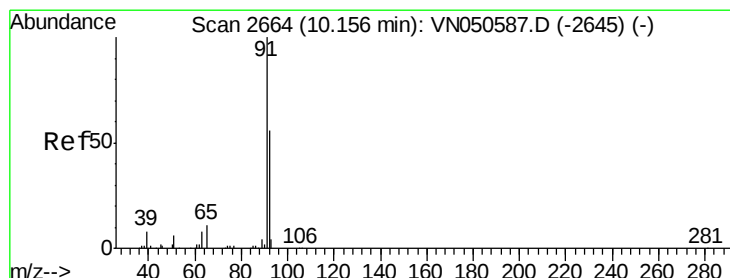
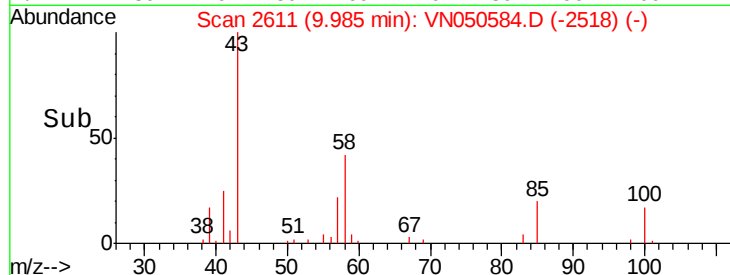
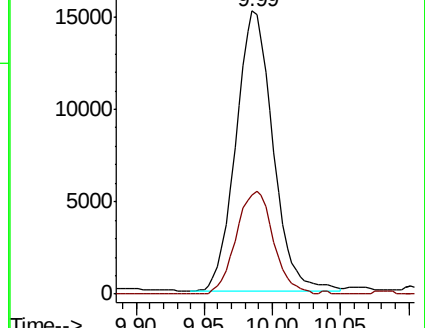
43 100

58 36.9 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: 0.857 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050584.D

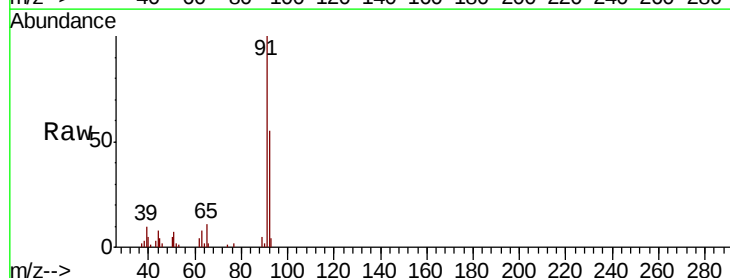
Acq: 13 Aug 2018 23:46

Tgt Ion: 92 Resp: 14533

Ion Ratio Lower Upper

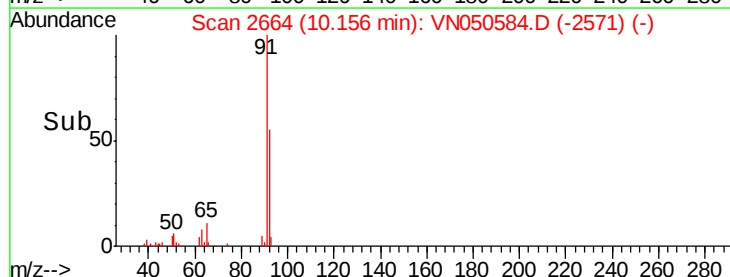
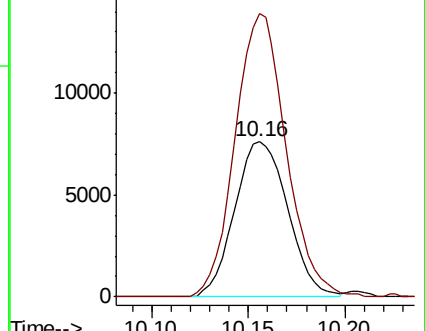
92 100

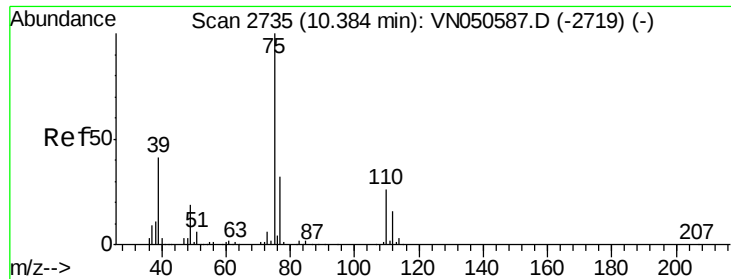
91 175.7 141.9 212.9



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: 0.868 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

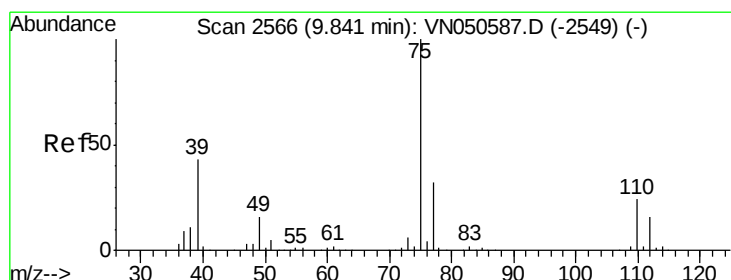
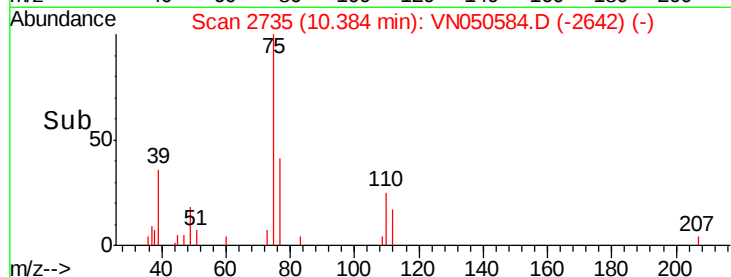
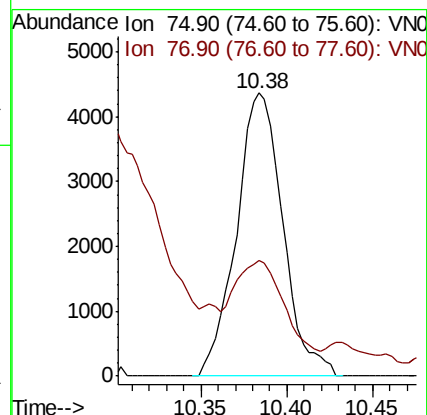
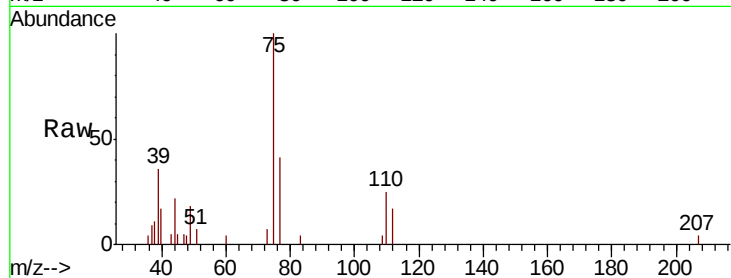
VSTDIC001

Tot Ion: 75 Resp: 8185

Ion Ratio Lower Upper

75 100

77 28.7 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 0.838 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

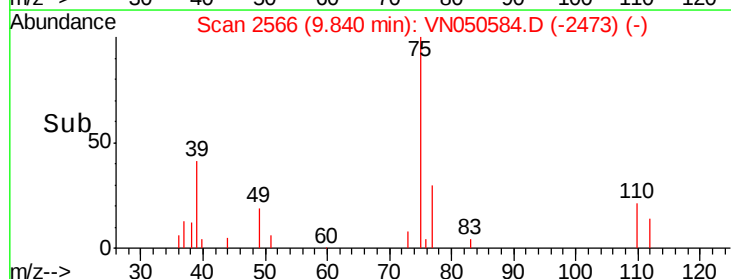
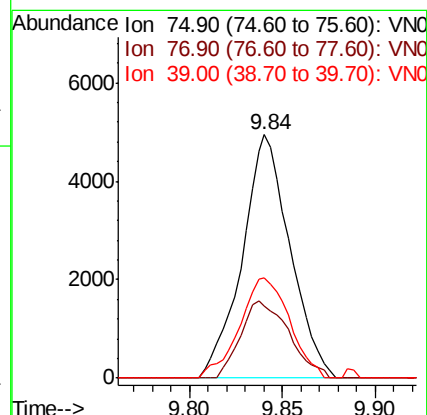
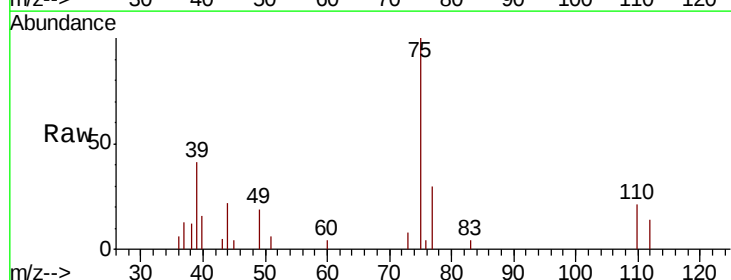
Tgt Ion: 75 Resp: 8856

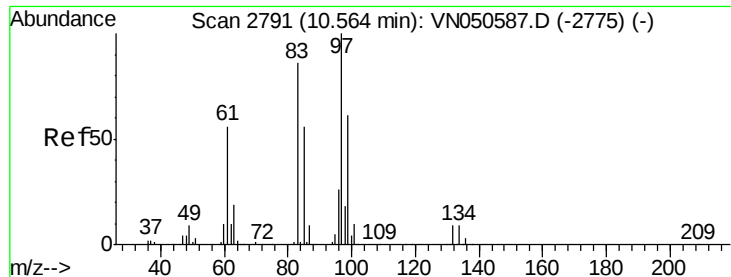
Ion Ratio Lower Upper

75 100

77 29.9 25.6 38.4

39 41.0 34.4 51.6

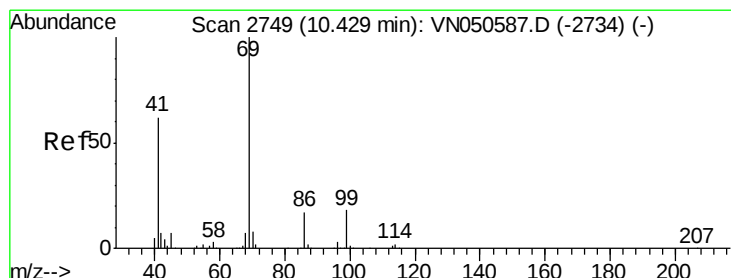
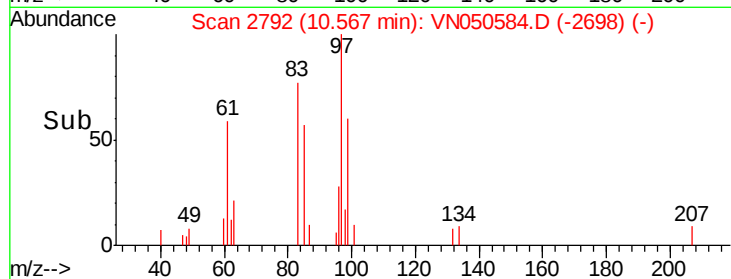
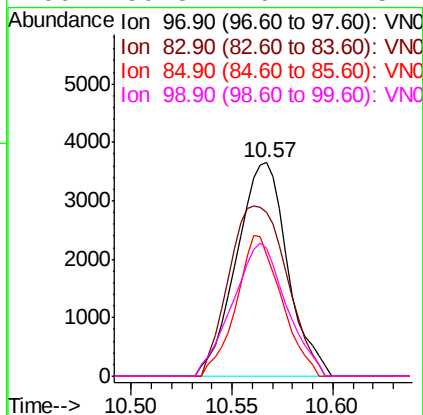
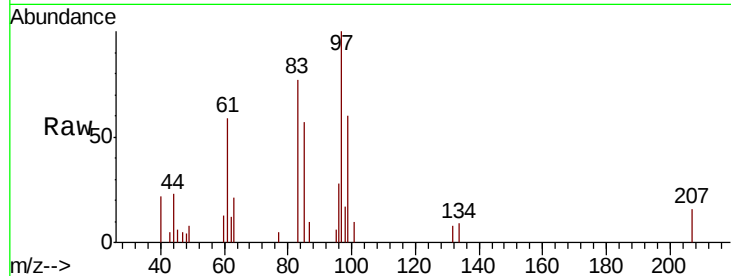




#55
 1,1,2-Trichloroethane
 Concen: 0.987 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

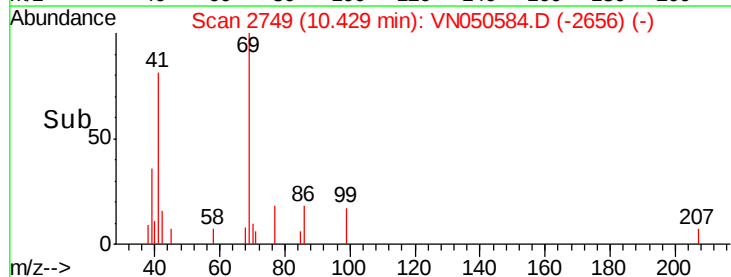
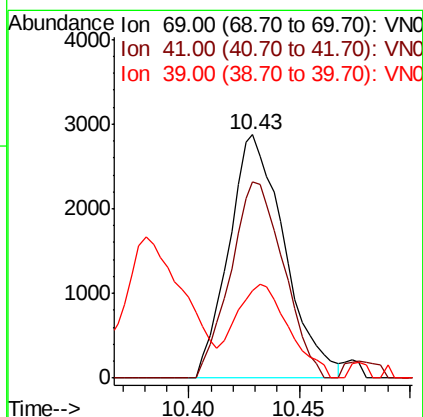
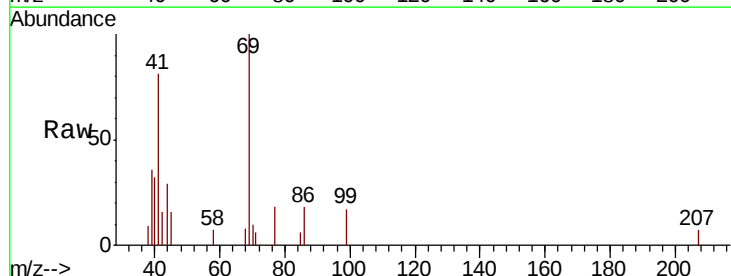
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

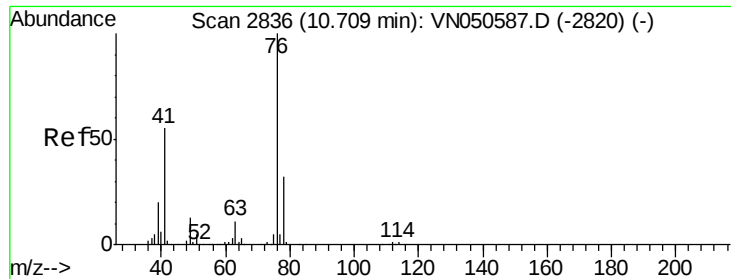
Tot Ion:	97	Resp:	6478
Ion	Ratio	Lower	Upper
97	100		
83	76.8	68.5	102.7
85	57.2	44.6	66.8
99	59.8	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 0.615 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion:	69	Resp:	5025
Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.7	74.5#
39	37.5	24.2	36.2#





#57

1,3-Dichloropropane

Concen: 0.910 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

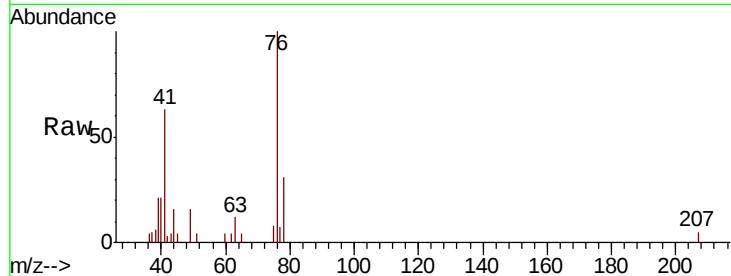
VSTDIC001

Tot Ion: 76 Resp: 9816

Ion Ratio Lower Upper

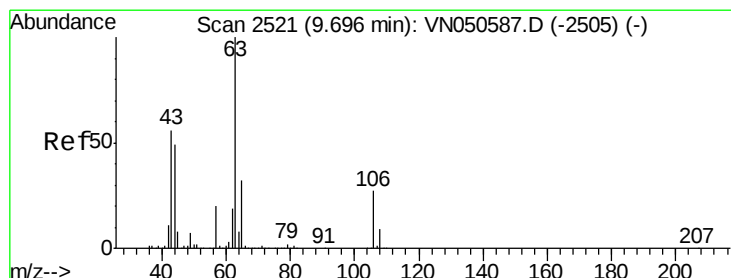
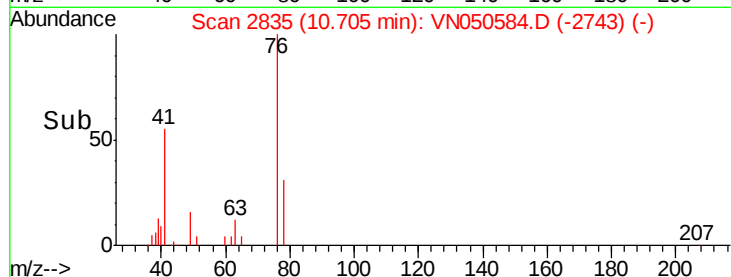
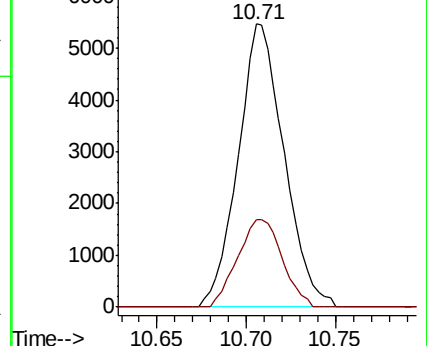
76 100

78 30.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 2.991 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050584.D

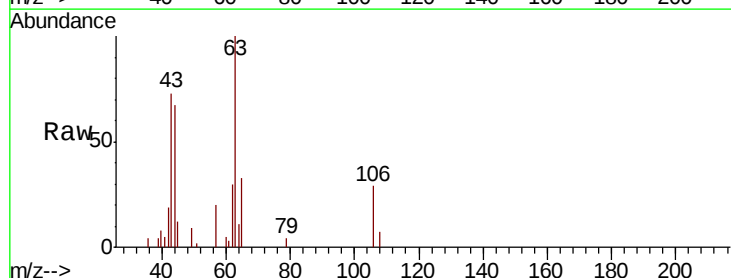
Acq: 13 Aug 2018 23:46

Tgt Ion: 63 Resp: 11413

Ion Ratio Lower Upper

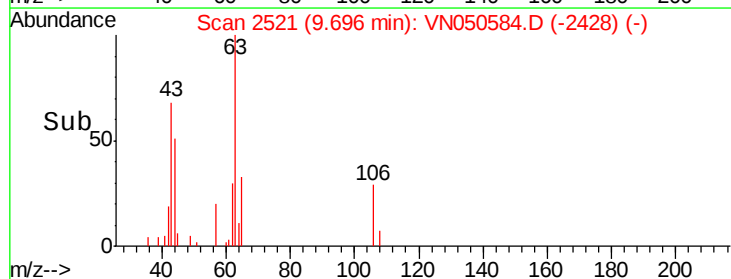
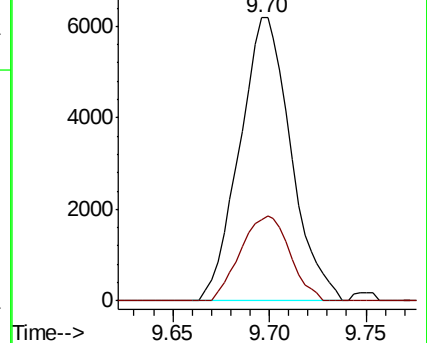
63 100

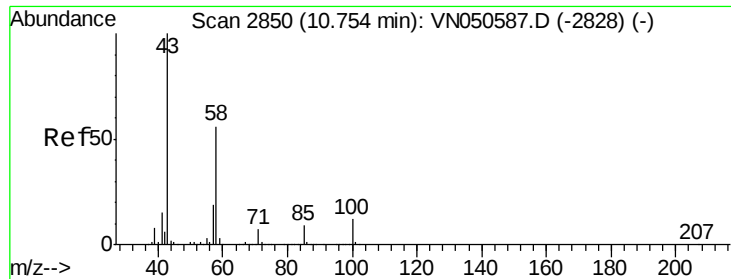
106 28.7 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 3.183 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

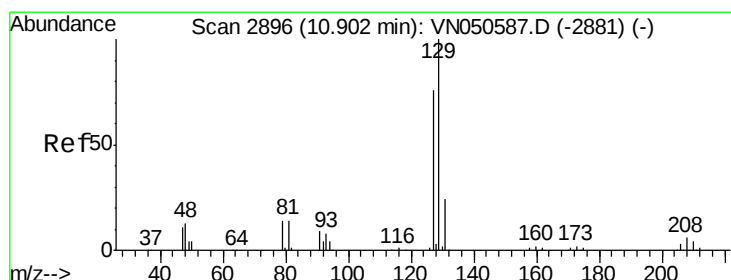
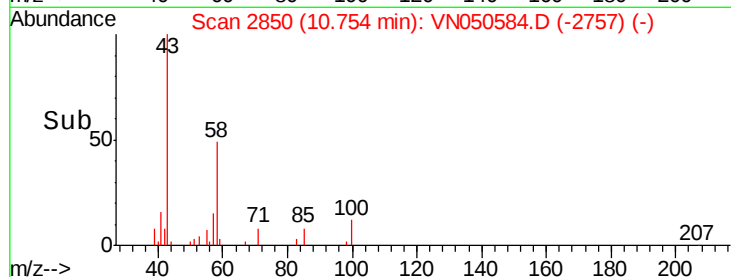
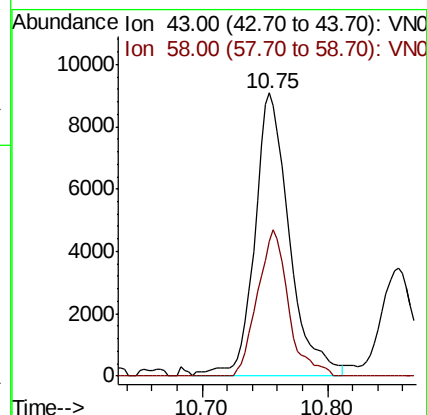
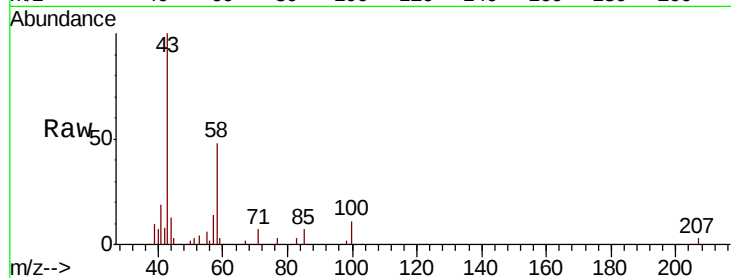
VSTDIC001

Tot Ion: 43 Resp: 17482

Ion Ratio Lower Upper

43 100

58 45.9 28.0 84.0



#60

Dibromochloromethane

Concen: 0.887 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050584.D

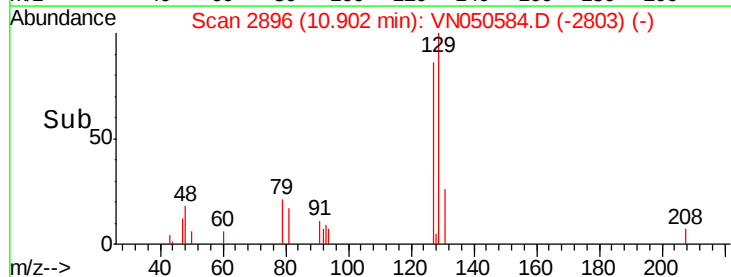
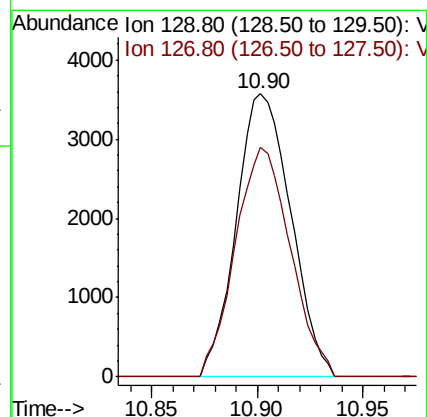
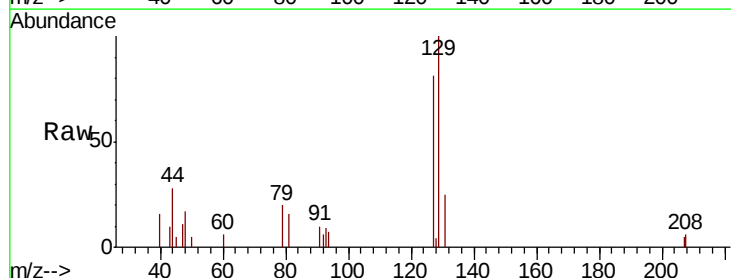
Acq: 13 Aug 2018 23:46

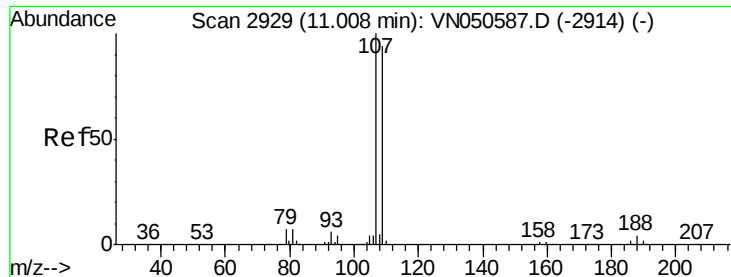
Tgt Ion: 129 Resp: 6424

Ion Ratio Lower Upper

129 100

127 81.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 0.872 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

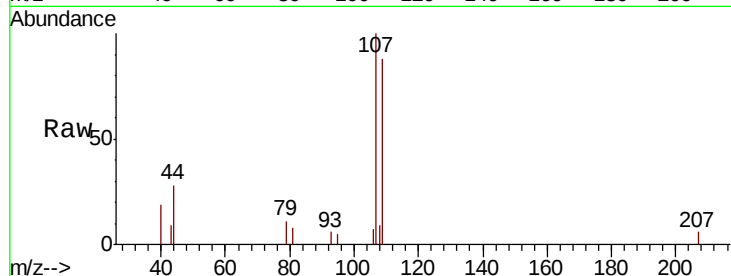
VSTDIC001

Tot Ion:107 Resp: 5617

Ion Ratio Lower Upper

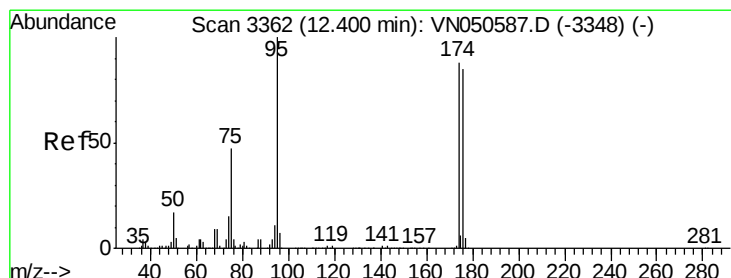
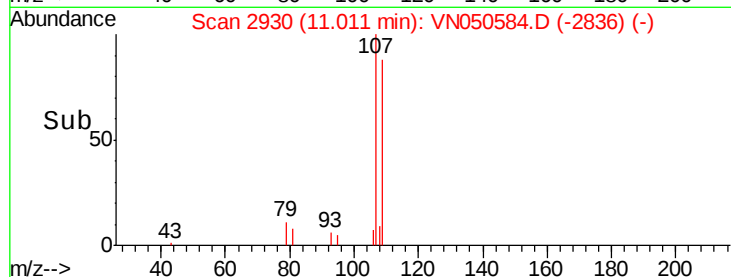
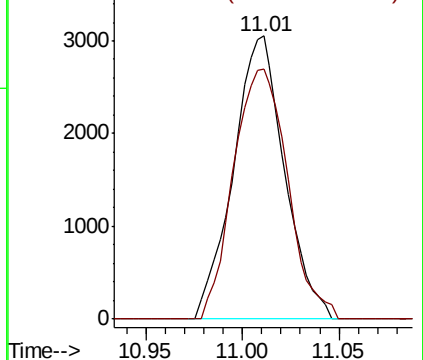
107 100

109 93.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 0.971 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

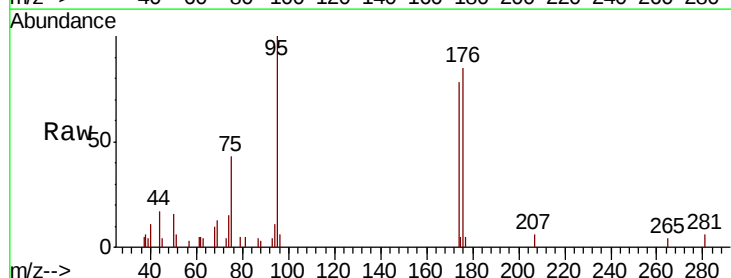
Tgt Ion: 95 Resp: 8324

Ion Ratio Lower Upper

95 100

174 80.6 0.0 177.8

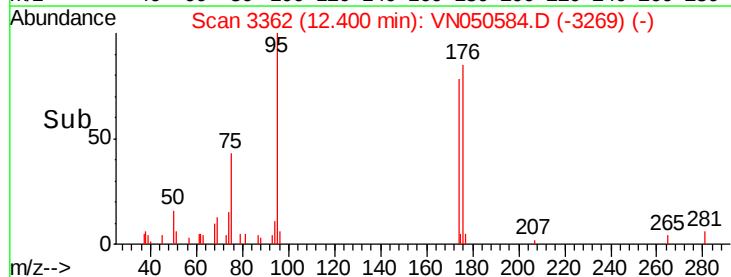
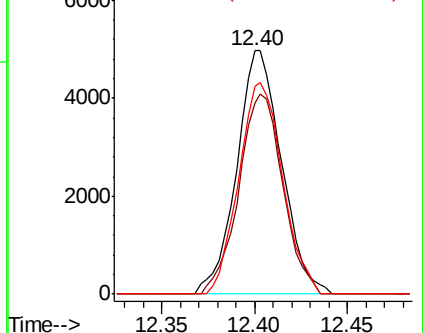
176 85.0 0.0 175.0

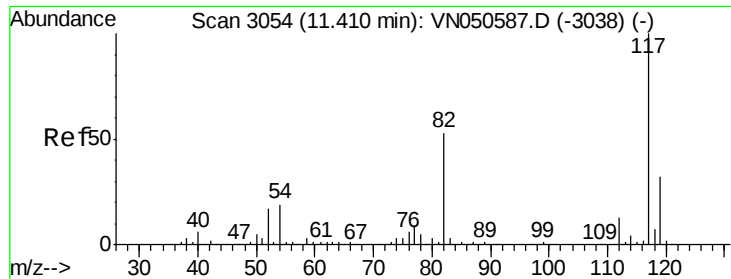


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

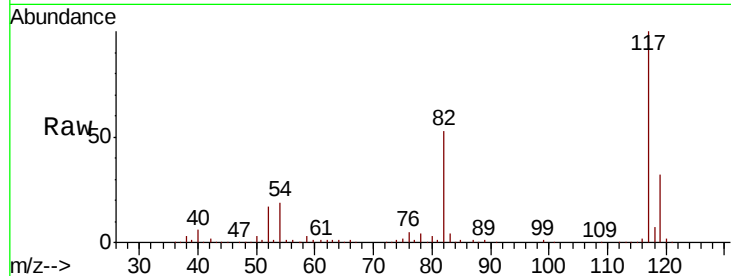




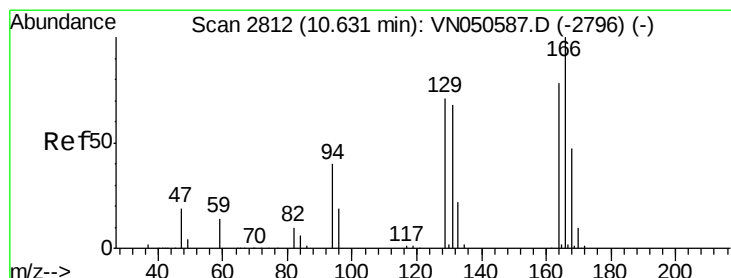
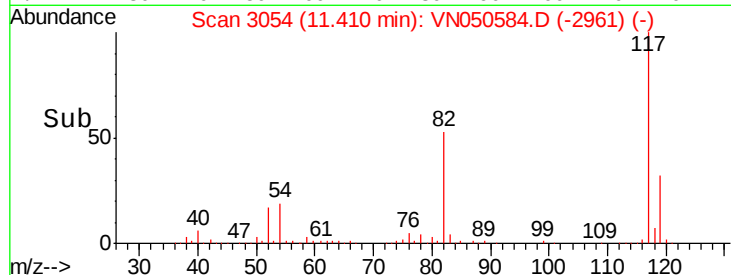
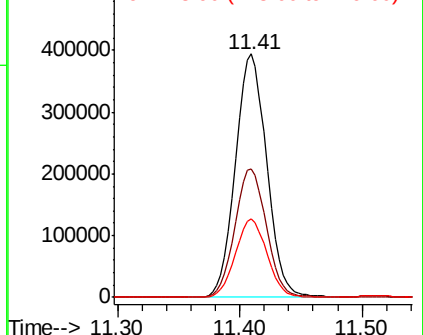
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 700821
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 32.2 25.8 38.8

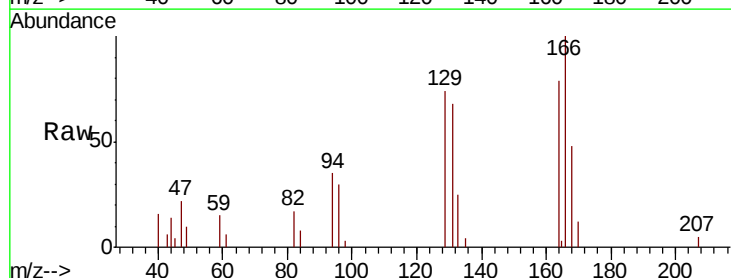


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

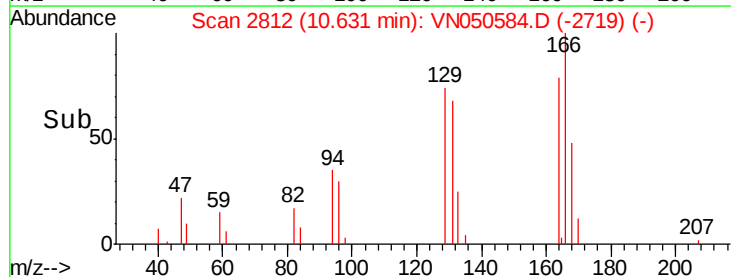
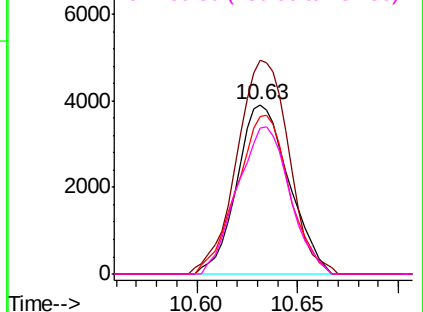


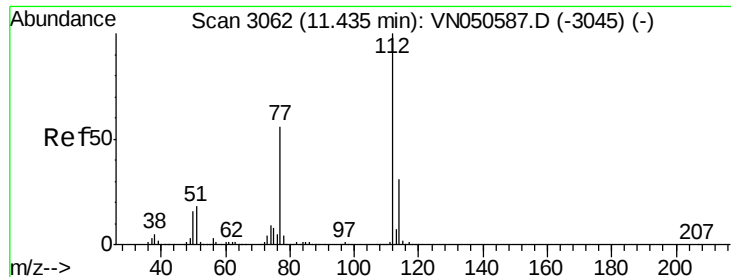
#64
Tetrachloroethene
Concen: 1.075 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion:164 Resp: 7028
Ion Ratio Lower Upper
164 100
166 126.3 102.1 153.1
129 93.1 72.7 109.1
131 86.0 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

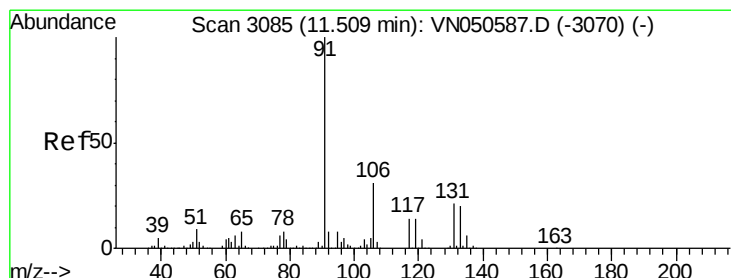
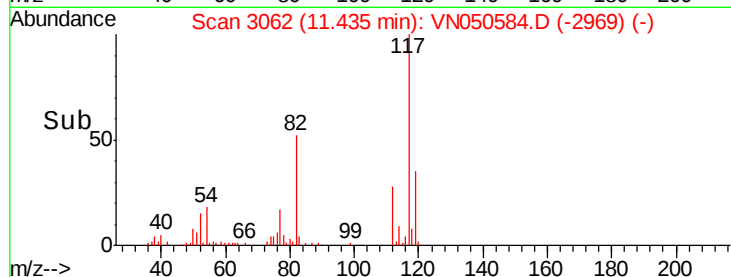
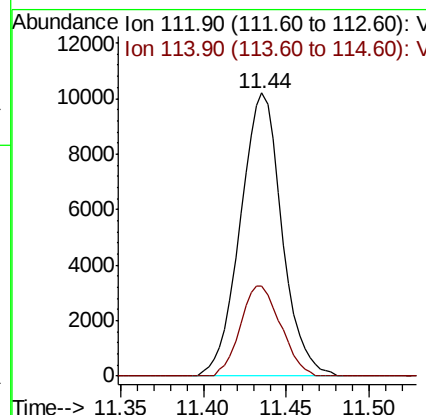
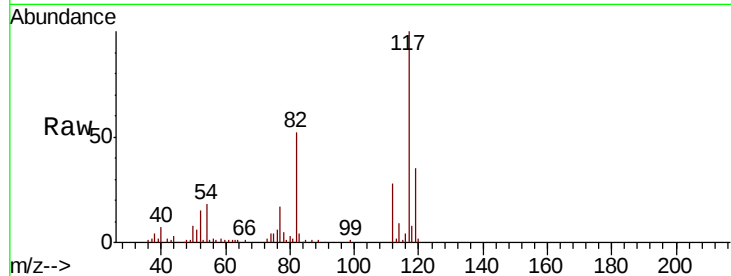




#65
Chlorobenzene
Concen: 1.011 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

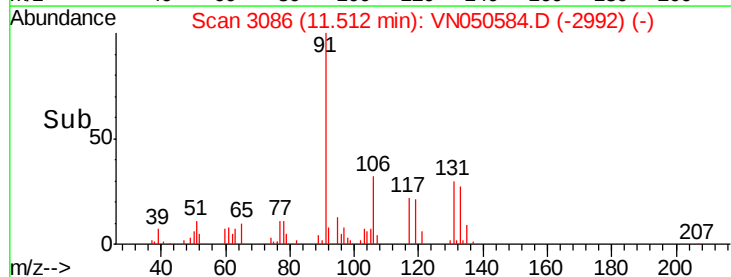
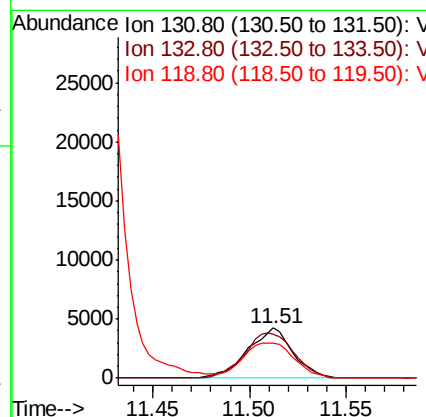
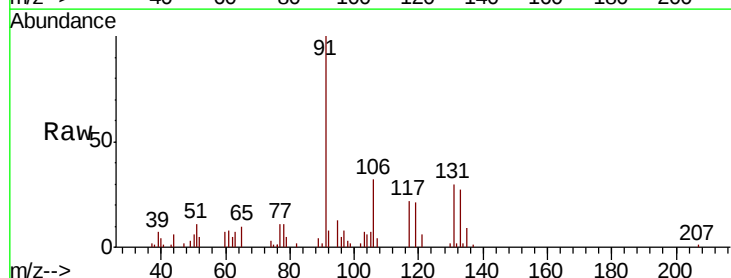
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

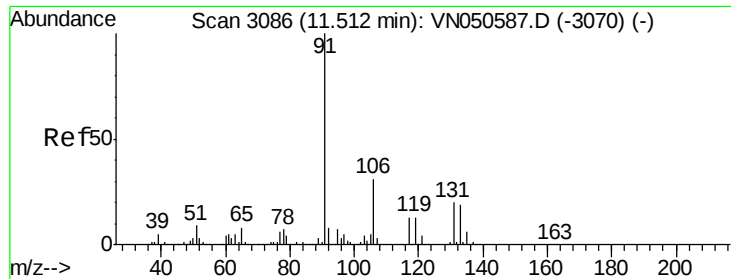
Tot Ion:112 Resp: 17775
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.077 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion:131 Resp: 6904
Ion Ratio Lower Upper
131 100
133 97.8 47.6 142.9
119 0.0 33.1 99.3#

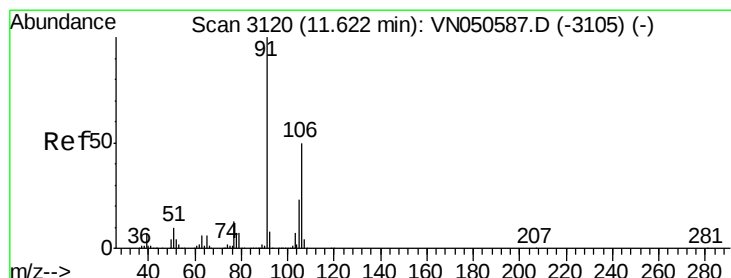
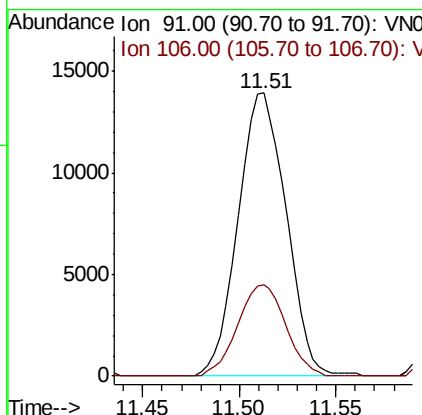
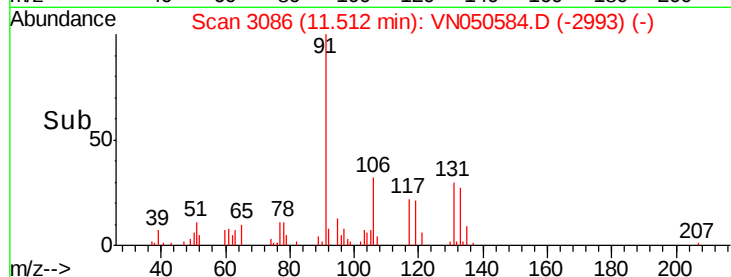
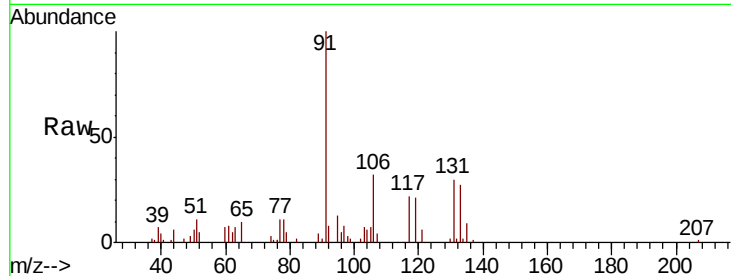




#67
Ethyl Benzene
Concen: 0.845 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

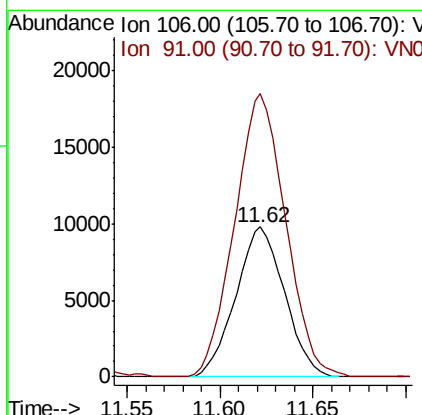
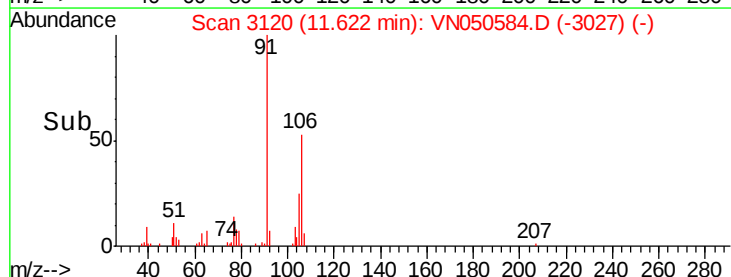
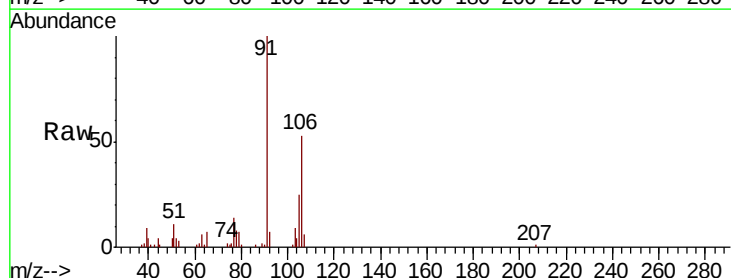
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

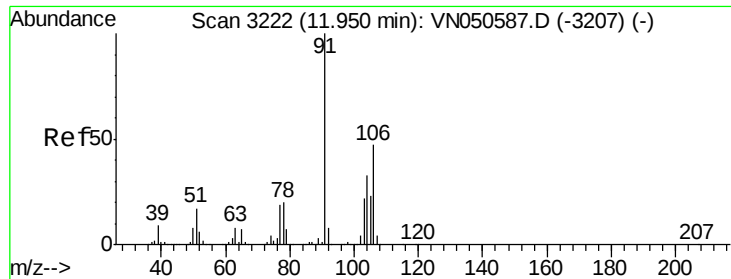
Tot Ion: 91 Resp: 24023
Ion Ratio Lower Upper
91 100
106 32.1 24.8 37.2



#68
m/p-Xylenes
Concen: 1.650 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 106 Resp: 17865
Ion Ratio Lower Upper
106 100
91 197.5 161.5 242.3

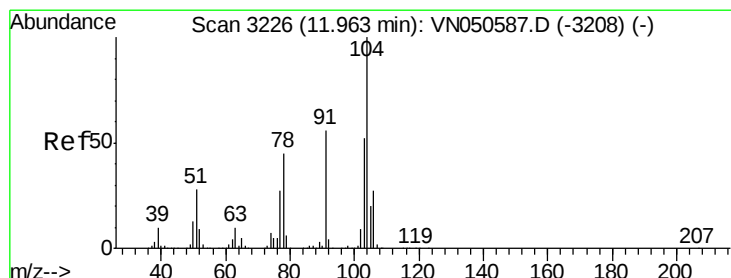
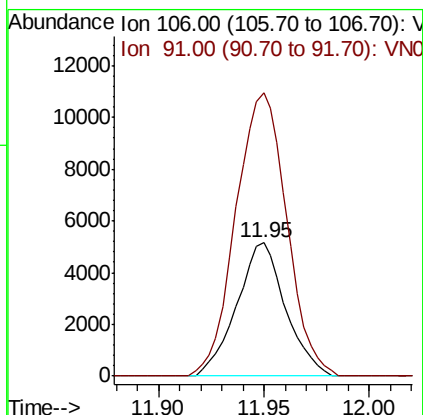
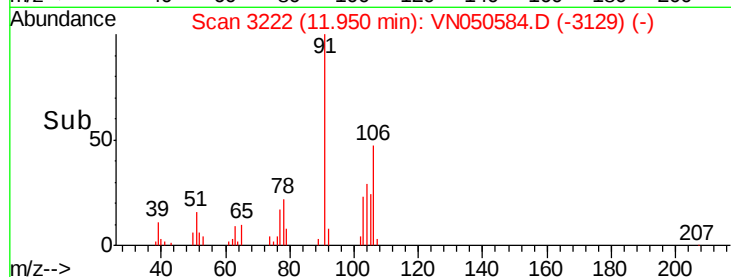
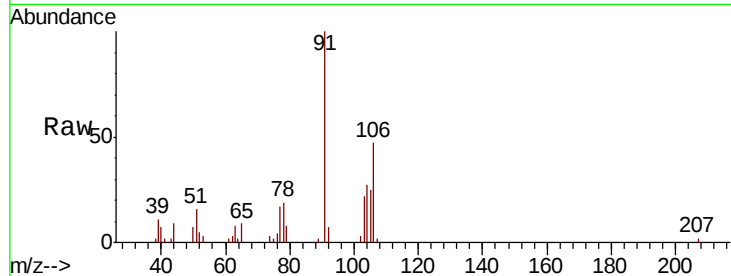




#69
o-Xylene
Concen: 0.795 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

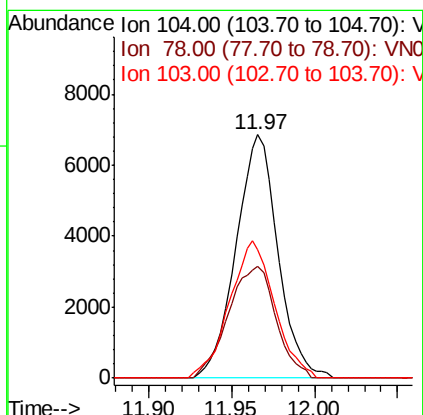
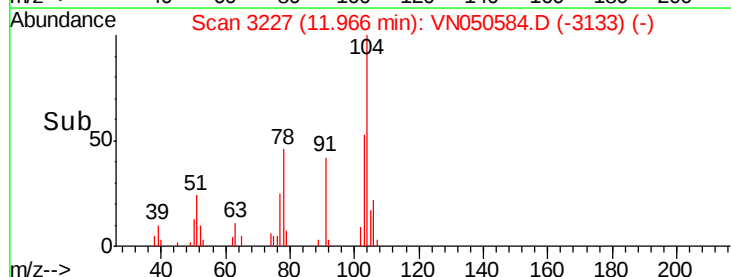
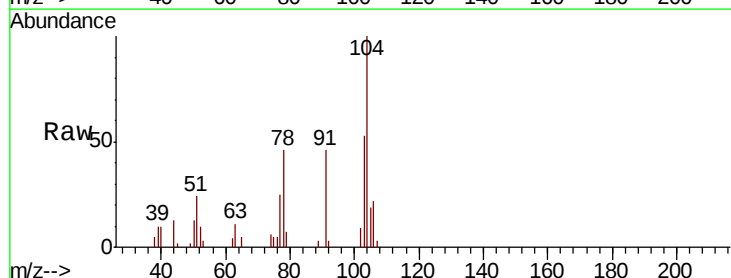
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

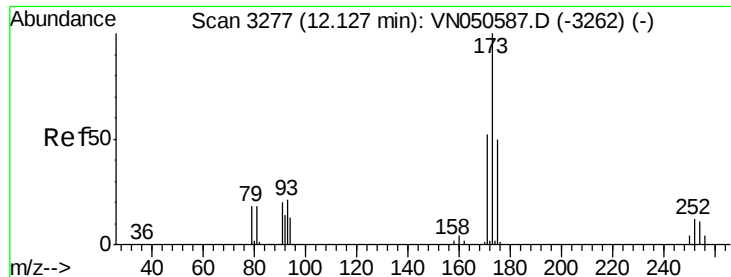
Tot Ion:106 Resp: 8274
Ion Ratio Lower Upper
106 100
91 222.0 106.8 320.4



#70
Styrene
Concen: 0.713 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion:104 Resp: 12039
Ion Ratio Lower Upper
104 100
78 51.8 39.1 58.7
103 60.5 44.9 67.3





#71

Bromoform

Concen: 0.901 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

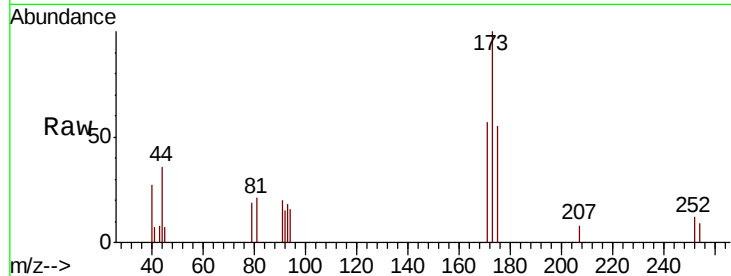
Tot Ion:173 Resp: 4144

Ion Ratio Lower Upper

173 100

175 50.3 24.4 73.2

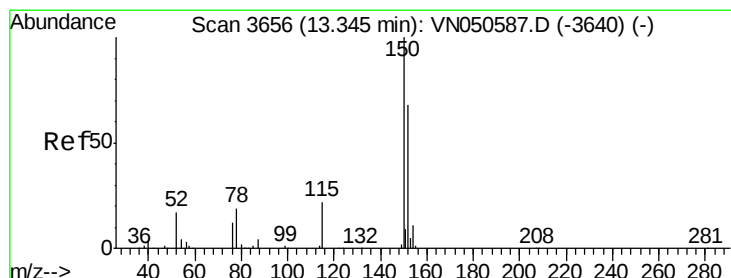
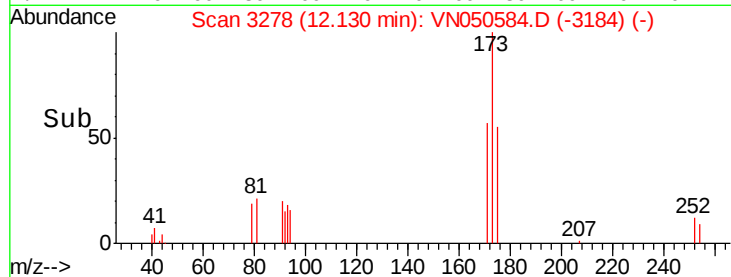
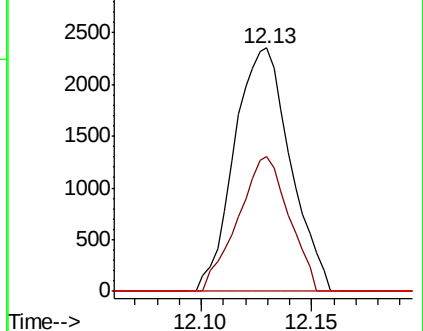
254 0.0 0.0 0.0



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: VN050584.D

Acq: 13 Aug 2018 23:46

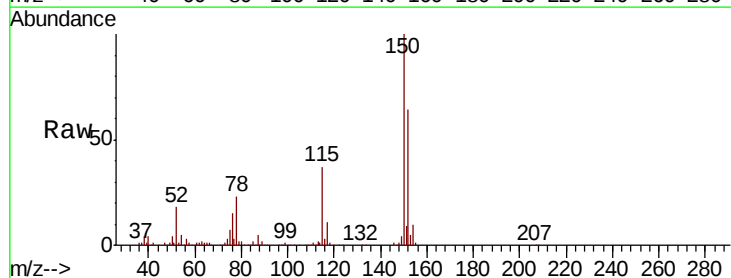
Tgt Ion:152 Resp: 264108

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

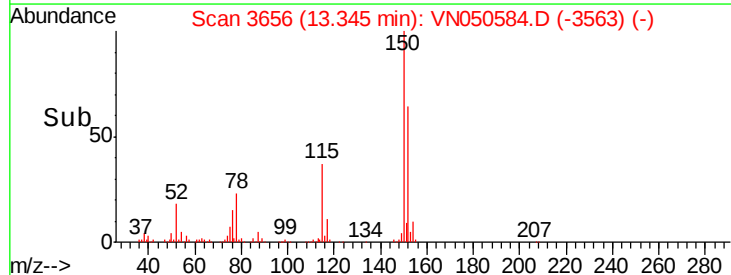
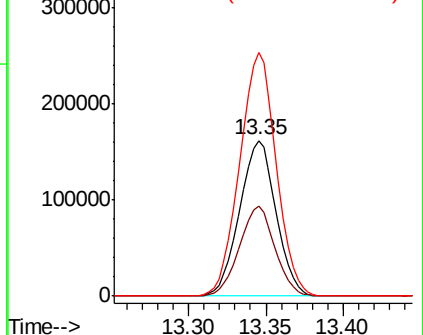
150 157.6 0.0 347.8

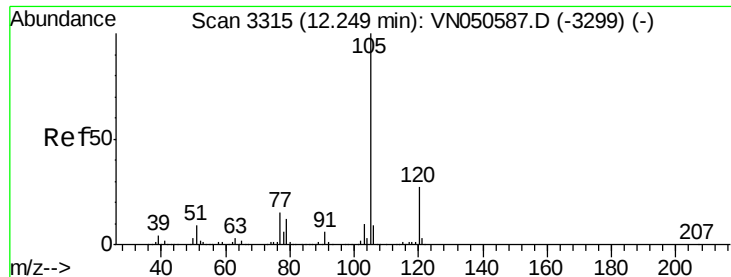


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.015 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

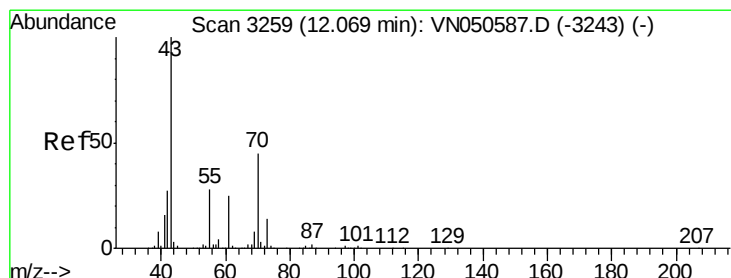
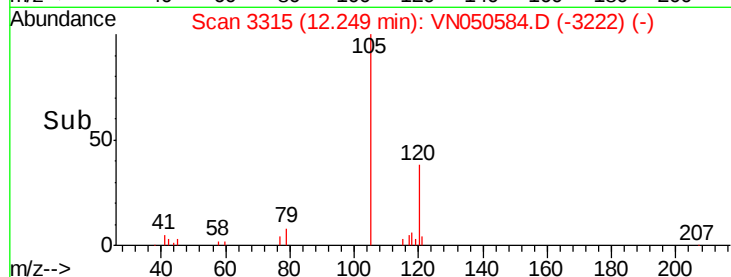
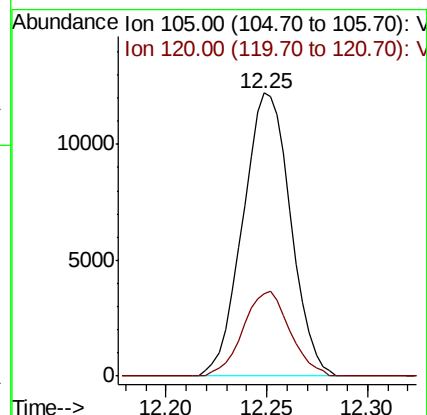
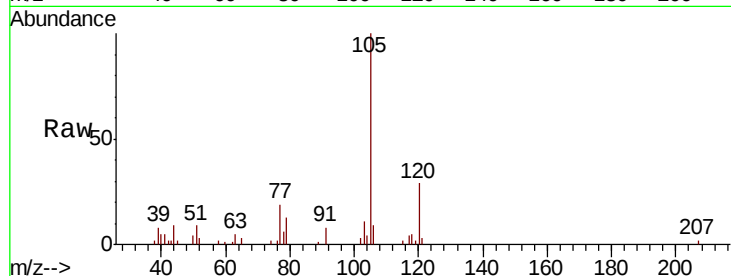
VSTDIC001

Tot Ion:105 Resp: 20276

Ion Ratio Lower Upper

105 100

120 29.3 13.4 40.1



#74

N-ethyl acetate

Concen: 0.882 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion: 43 Resp: 5507

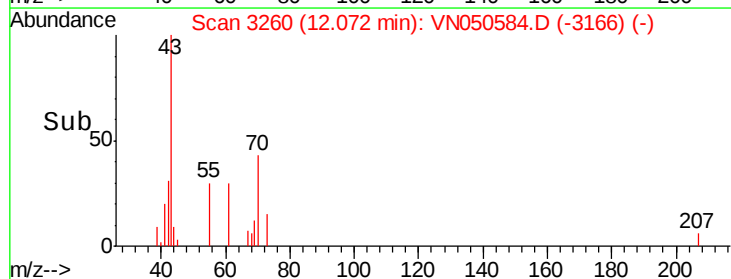
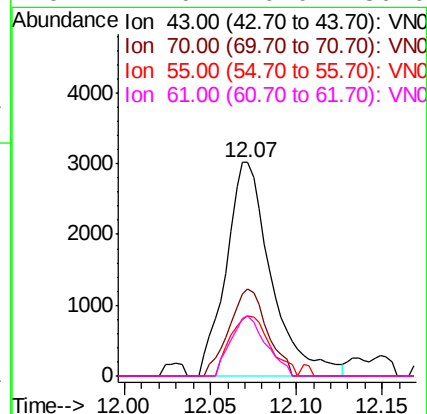
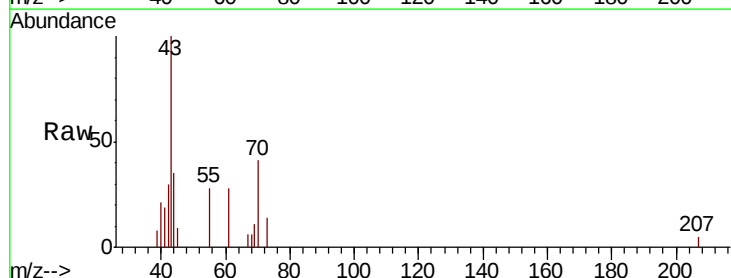
Ion Ratio Lower Upper

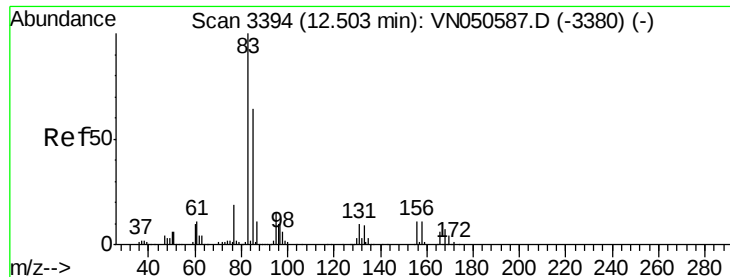
43 100

70 34.4 35.9 53.9#

55 24.7 22.2 33.4

61 21.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.437 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

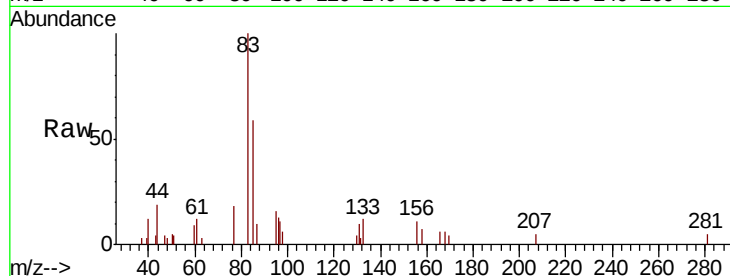
Tot Ion: 83 Resp: 8102

Ion Ratio Lower Upper

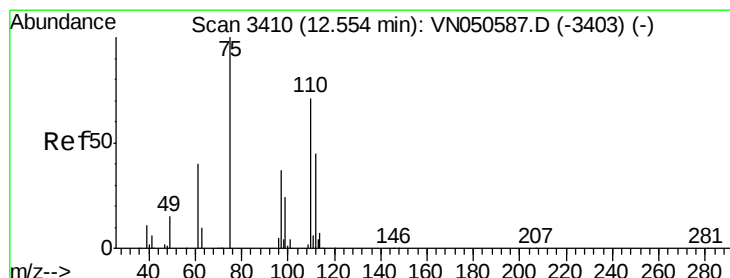
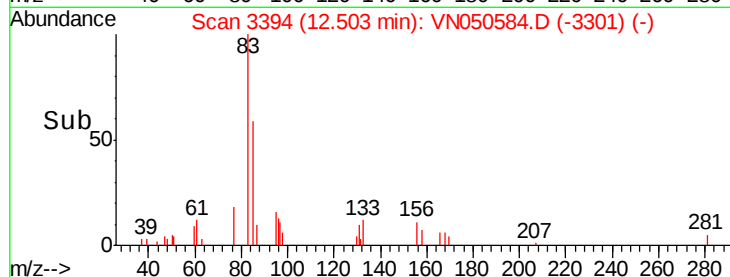
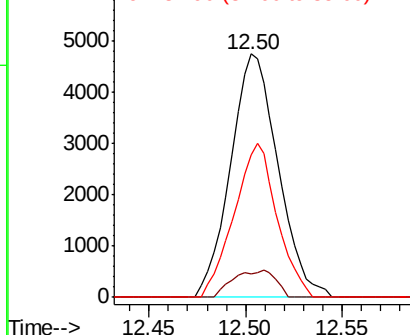
83 100

131 9.9 5.3 15.9

85 57.0 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: 1.676 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050584.D

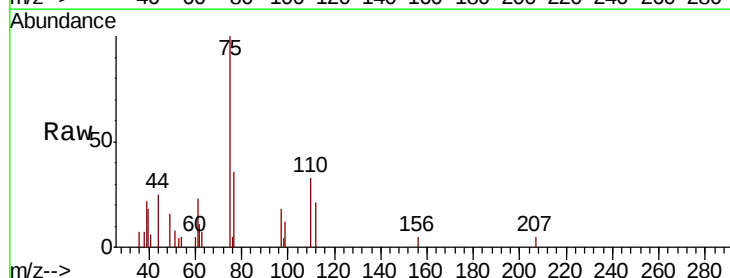
Acq: 13 Aug 2018 23:46

Tgt Ion: 75 Resp: 8000

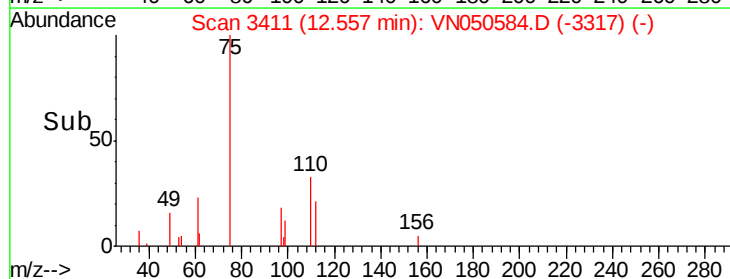
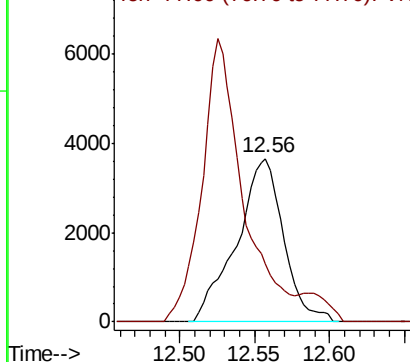
Ion Ratio Lower Upper

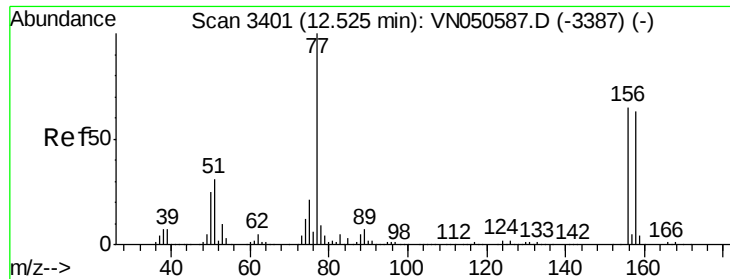
75 100

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: 1.175 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

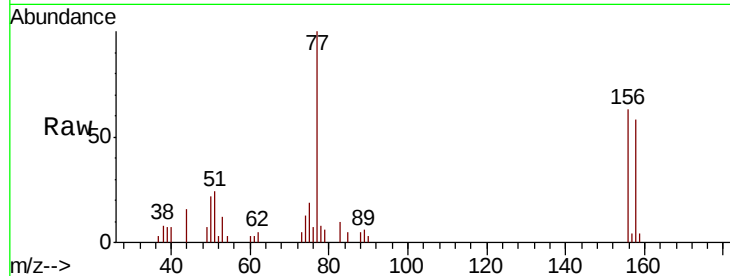
Tot Ion:156 Resp: 6279

Ion Ratio Lower Upper

156 100

77 192.5 89.0 267.1

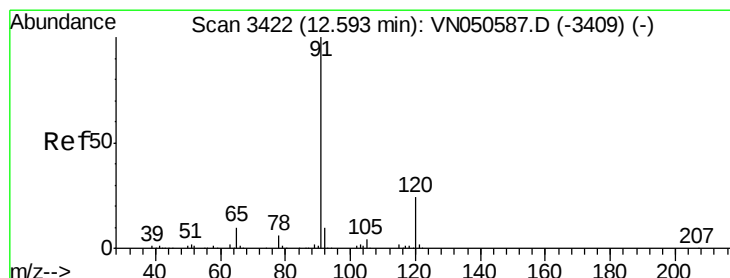
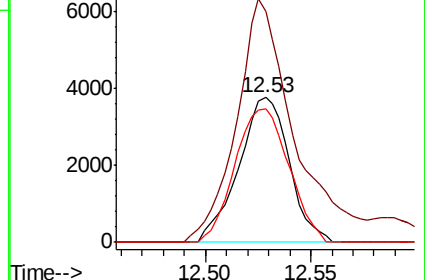
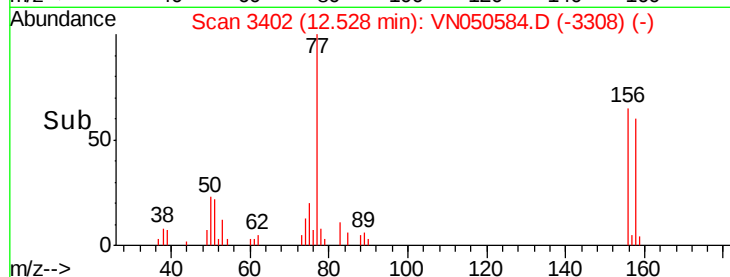
158 98.5 48.5 145.6



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: 0.937 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050584.D

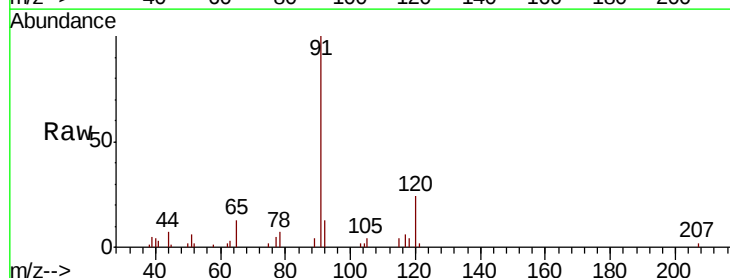
Acq: 13 Aug 2018 23:46

Tgt Ion: 91 Resp: 21167

Ion Ratio Lower Upper

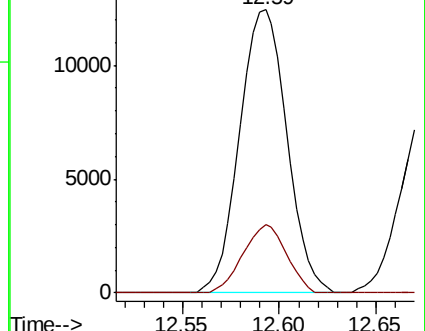
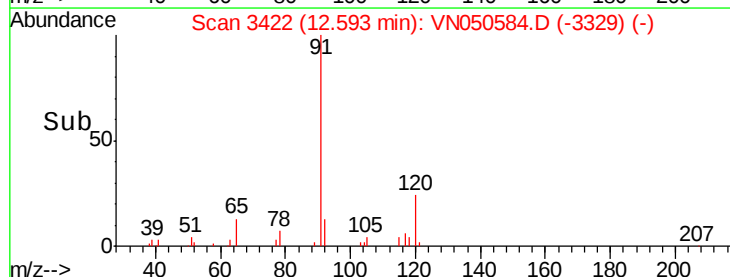
91 100

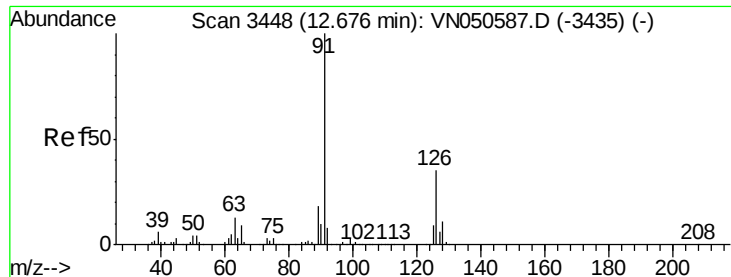
120 22.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.040 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

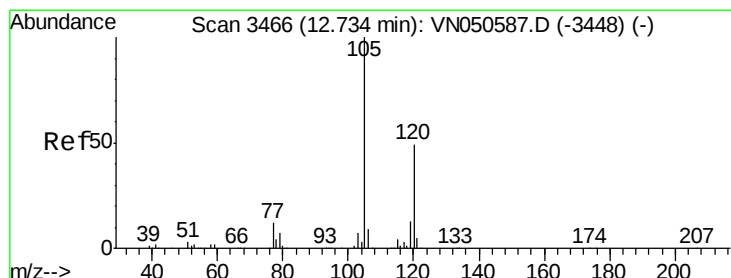
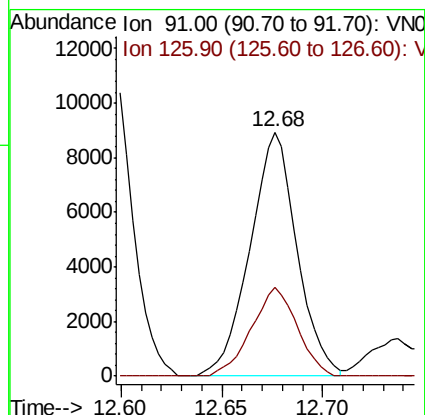
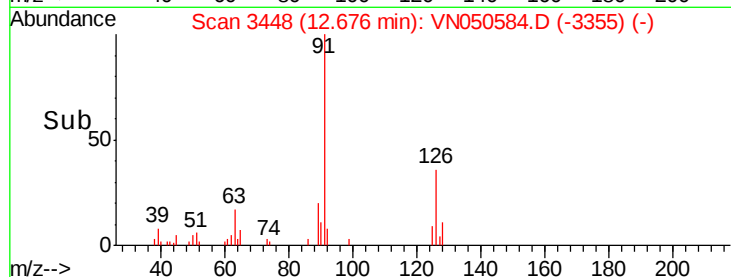
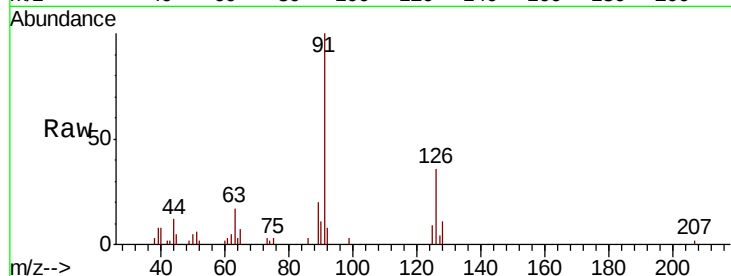
VSTDIC001

Tot Ion: 91 Resp: 14521

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 0.889 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050584.D

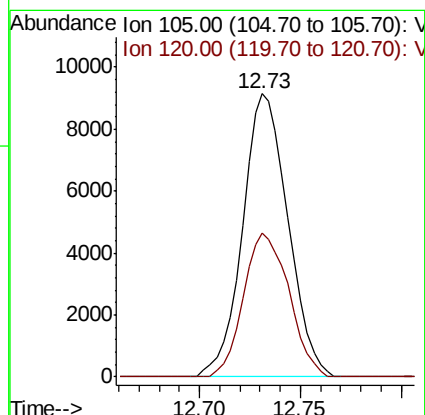
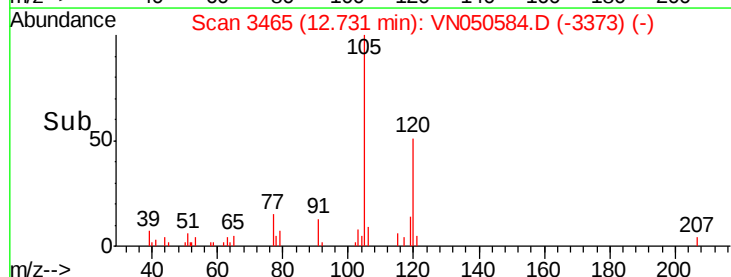
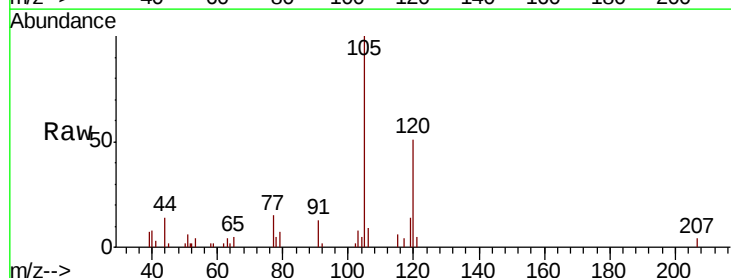
Acq: 13 Aug 2018 23:46

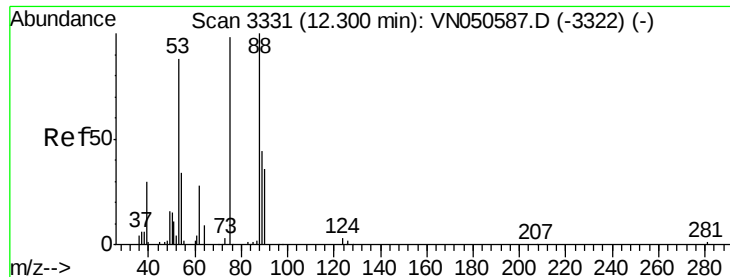
Tgt Ion:105 Resp: 14373

Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 0.944 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

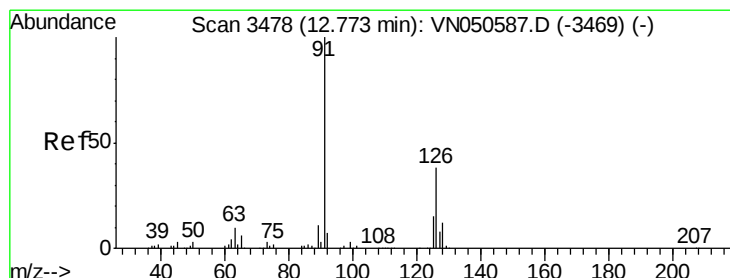
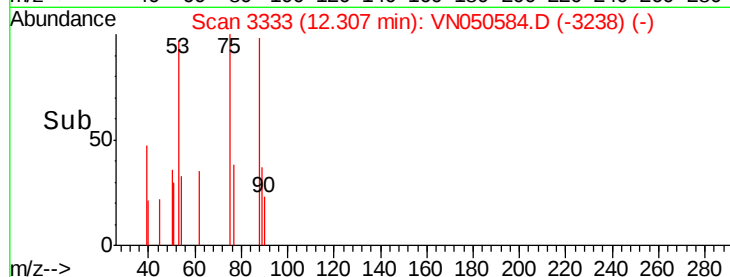
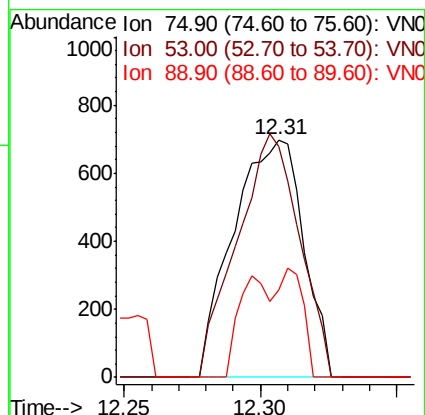
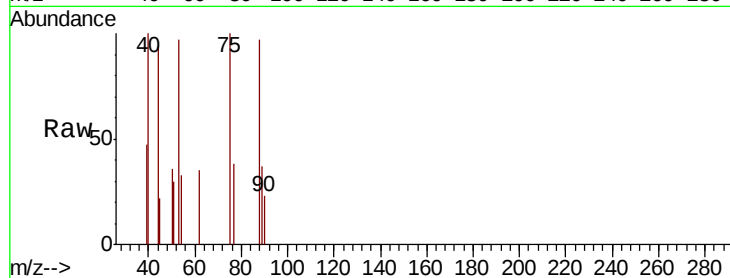
Tot Ion: 75 Resp: 1245

Ion Ratio Lower Upper

75 100

53 91.3 72.2 108.2

89 17.0 36.3 54.5#



#82

4-Chlorotoluene

Concen: 0.911 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050584.D

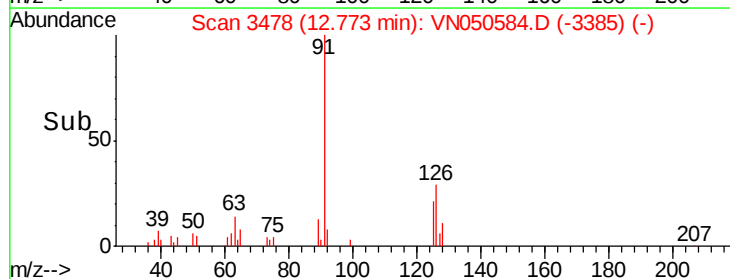
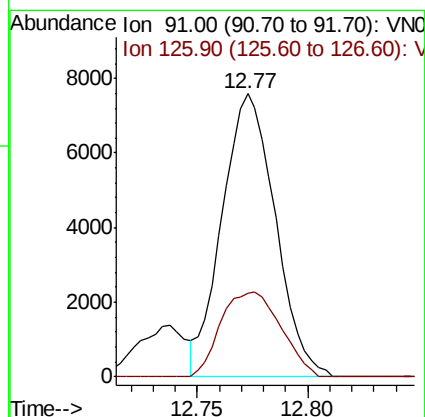
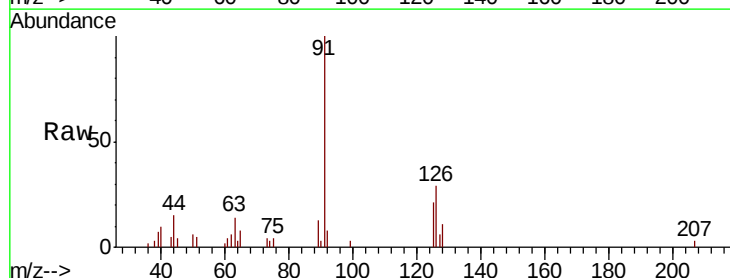
Acq: 13 Aug 2018 23:46

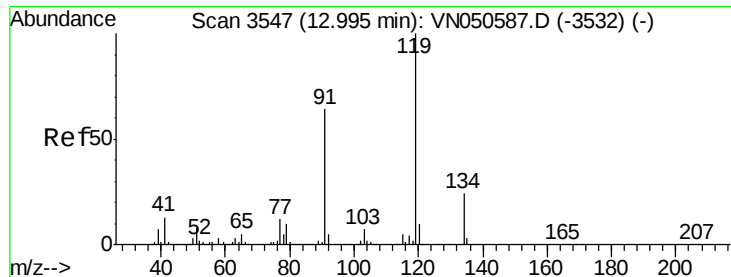
Tgt Ion: 91 Resp: 12676

Ion Ratio Lower Upper

91 100

126 33.8 17.3 52.0

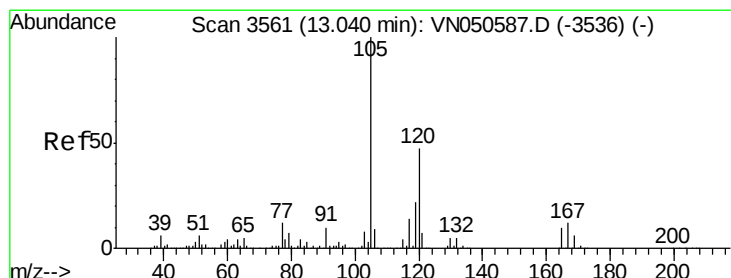
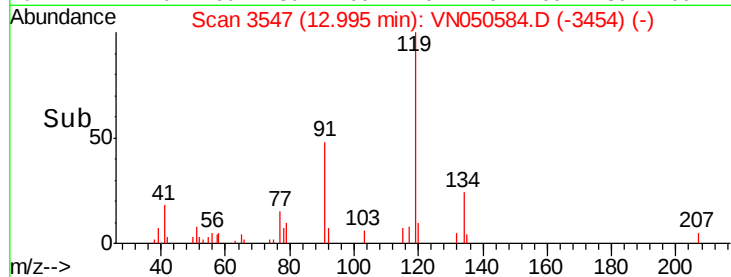
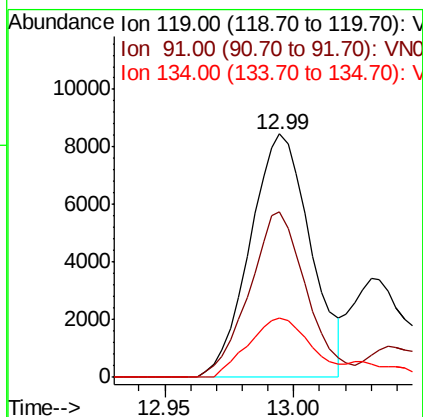
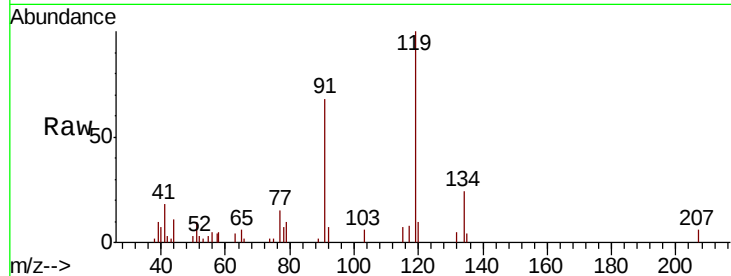




#83
 tert-Butylbenzene
 Concen: 0.984 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

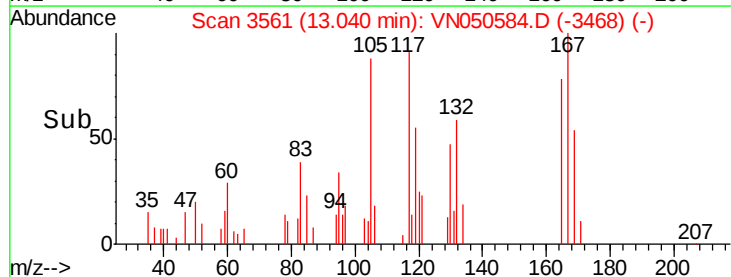
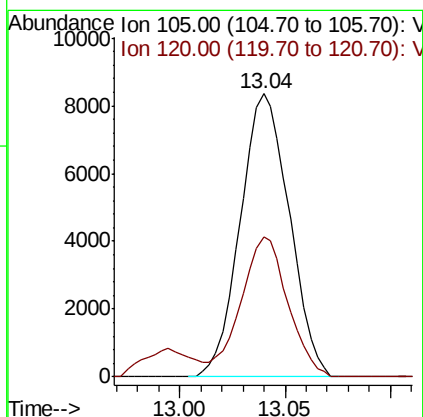
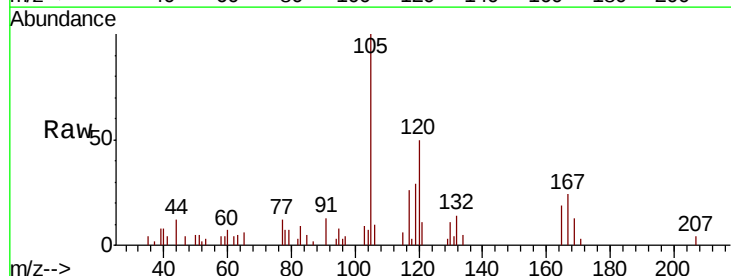
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:119 Resp: 13842
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.2 96.6
 134 24.7 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 0.824 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion:105 Resp: 13490
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 0.865 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

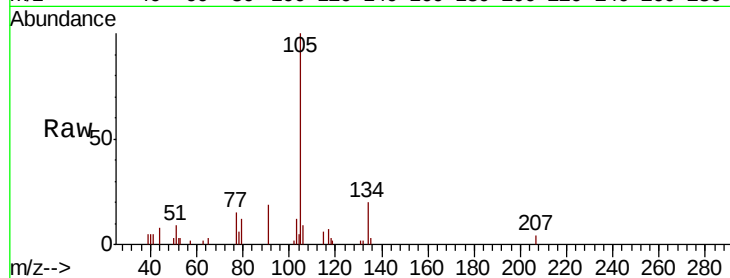
VSTDIC001

Tot Ion:105 Resp: 16260

Ion Ratio Lower Upper

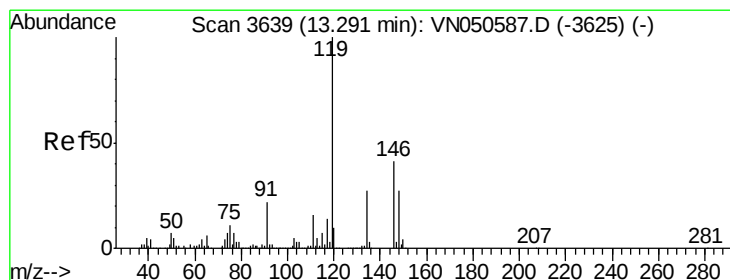
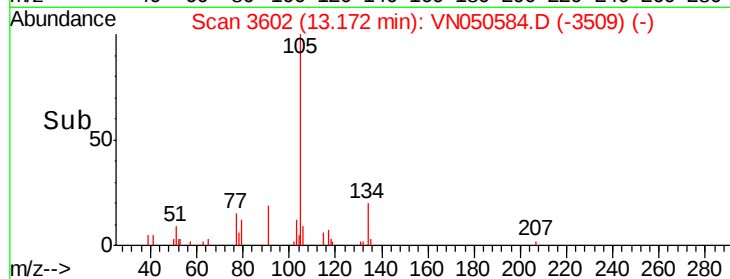
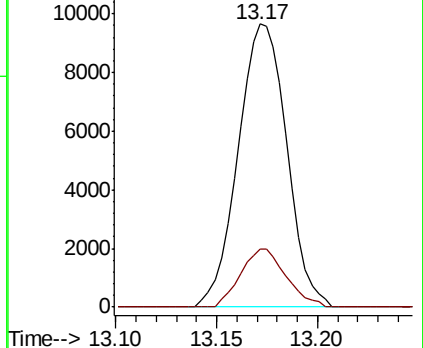
105 100

134 19.2 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: 0.771 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

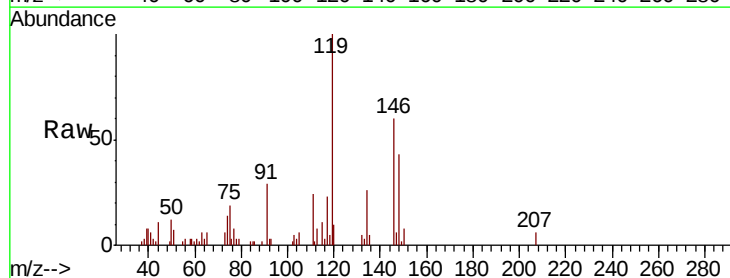
Tgt Ion:119 Resp: 12399

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

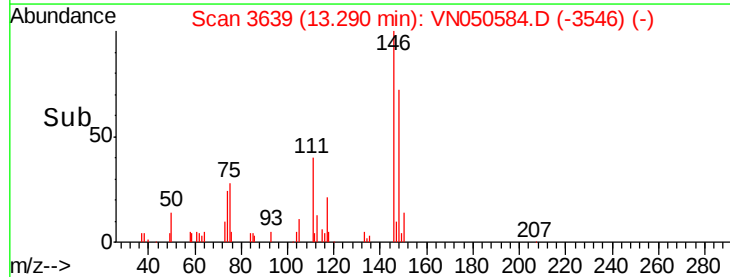
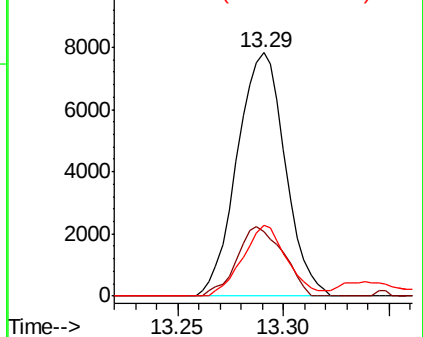
91 27.0 11.2 33.6

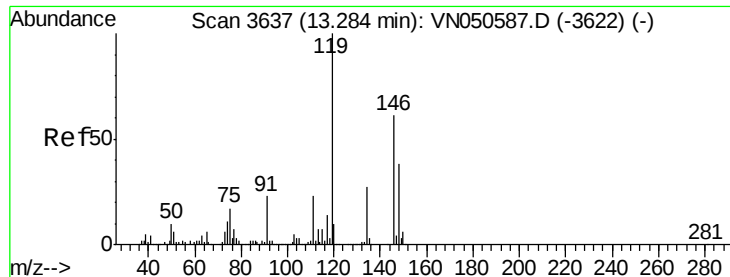


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

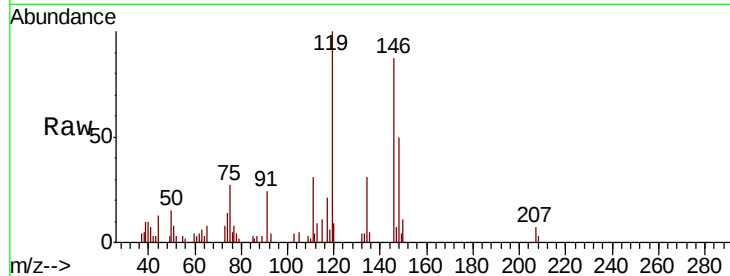




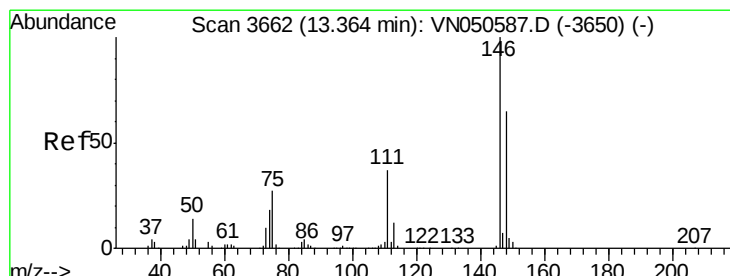
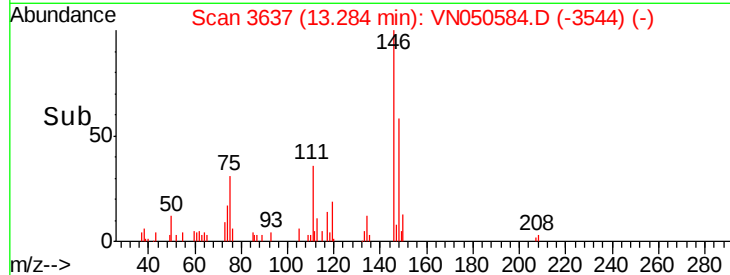
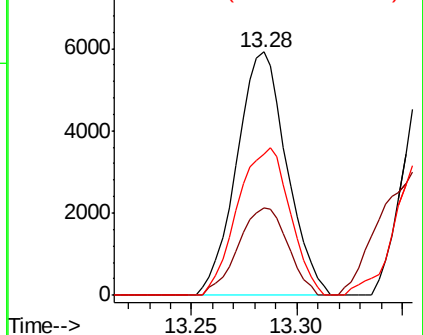
#87
 1,3-Dichlorobenzene
 Concen: 1.029 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 9749
 Ion Ratio Lower Upper
 146 100
 111 35.6 19.2 57.6
 148 63.5 31.9 95.7

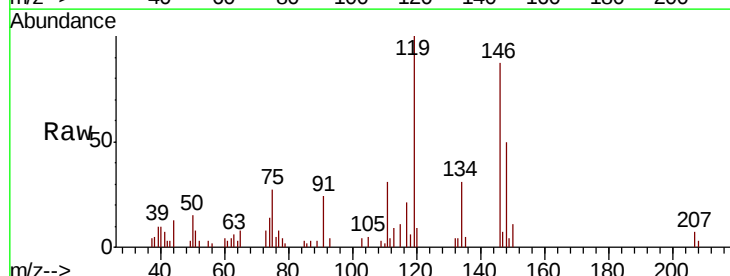


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

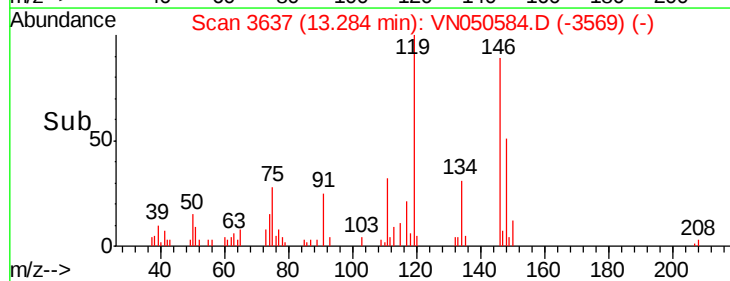
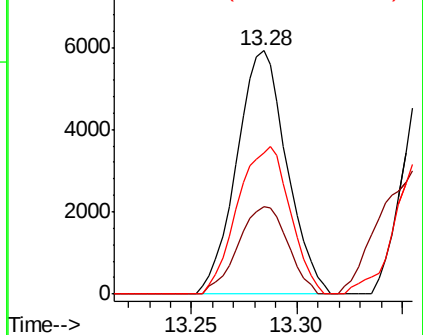


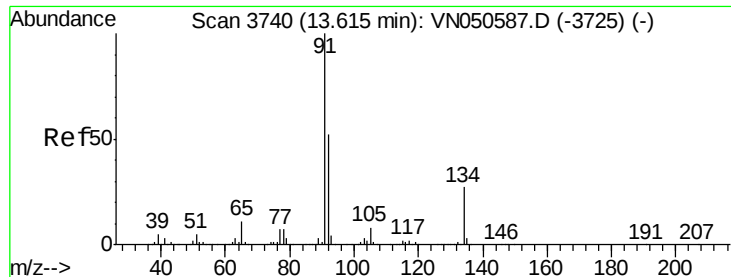
#88
 1,4-Dichlorobenzene
 Concen: 1.031 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion:146 Resp: 9749
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.8 56.4
 148 63.5 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: 0.793 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

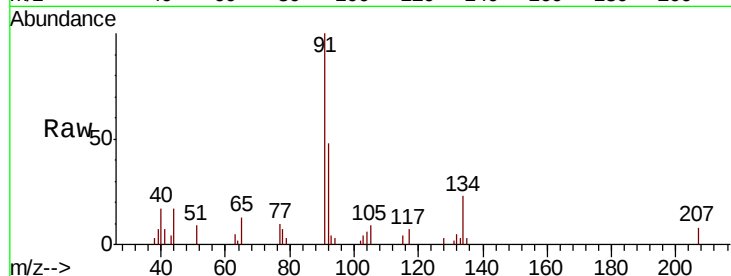
Tot Ion: 91 Resp: 10778

Ion Ratio Lower Upper

91 100

92 45.9 26.3 78.8

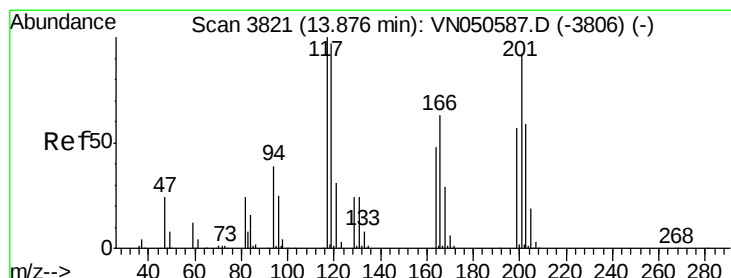
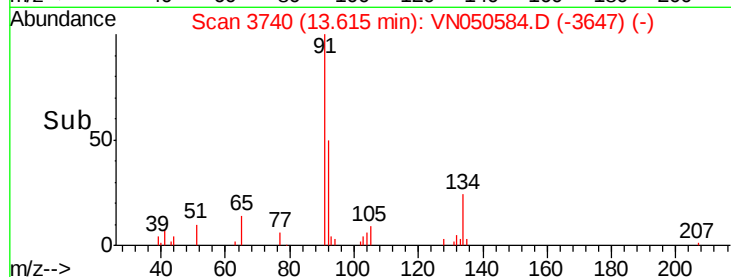
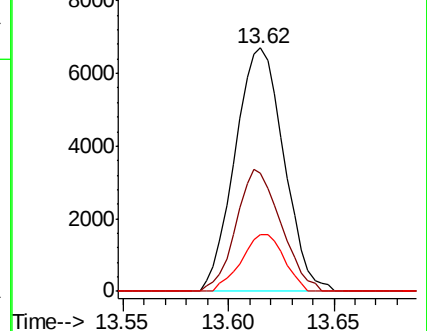
134 20.4 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)



#90

Hexachloroethane

Concen: 1.358 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050584.D

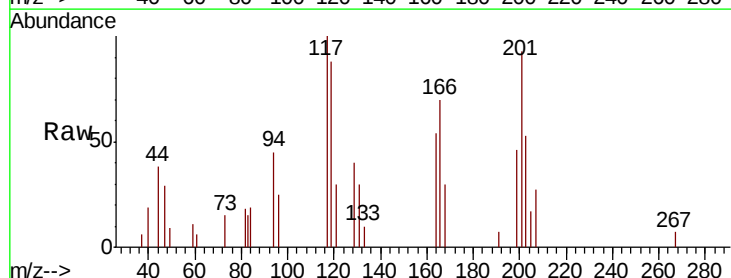
Acq: 13 Aug 2018 23:46

Tgt Ion: 117 Resp: 3920

Ion Ratio Lower Upper

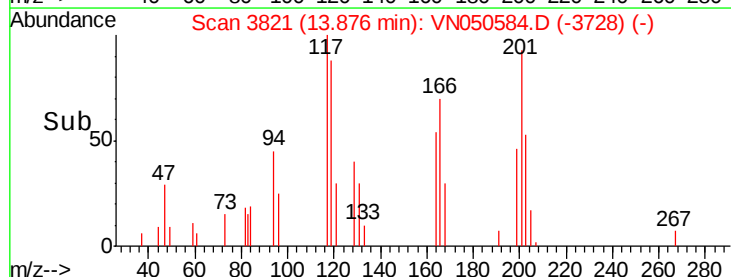
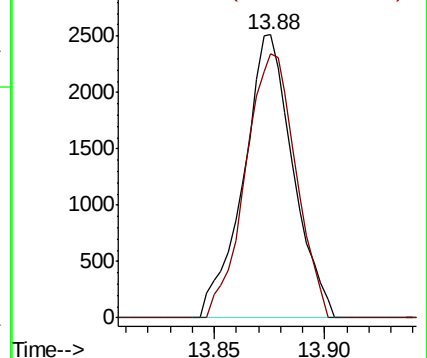
117 100

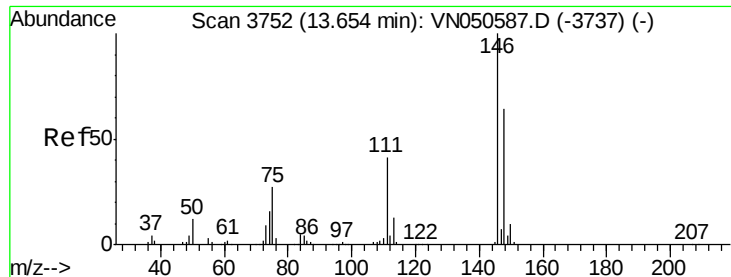
201 94.6 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 1.074 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

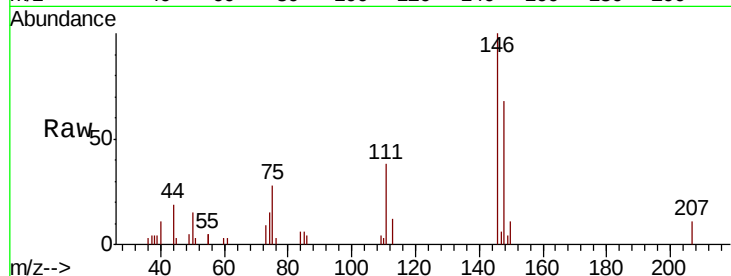
Tot Ion:146 Resp: 10160

Ion Ratio Lower Upper

146 100

111 39.7 19.8 59.4

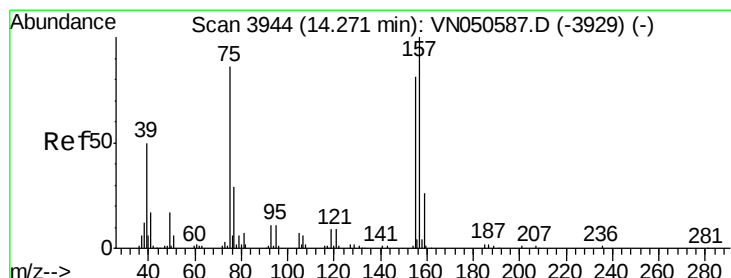
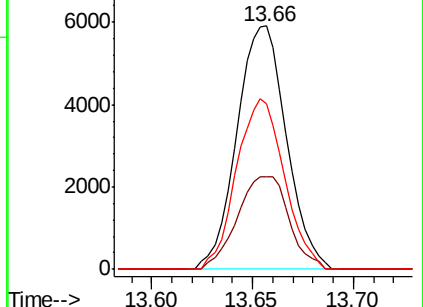
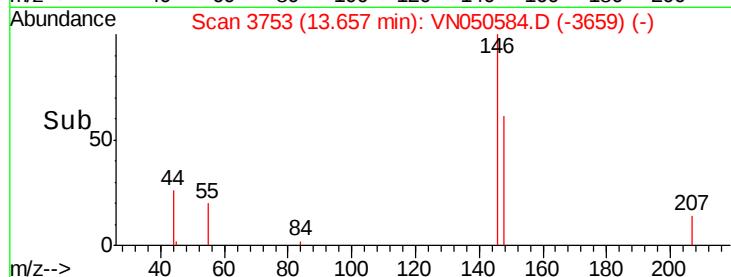
148 67.5 32.3 96.8



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: 0.875 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

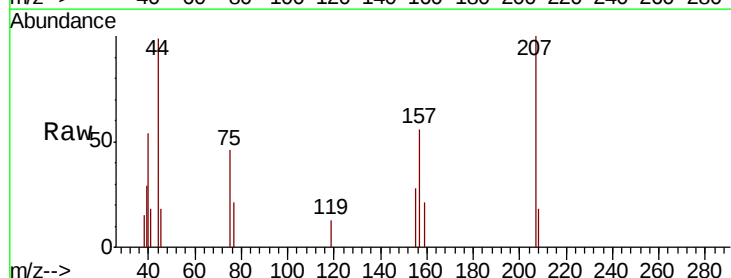
Tgt Ion: 75 Resp: 822

Ion Ratio Lower Upper

75 100

155 83.1 46.6 139.8

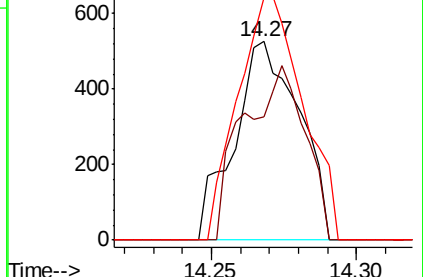
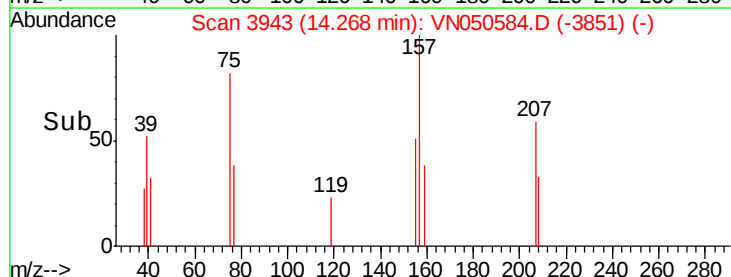
157 122.0 58.1 174.2

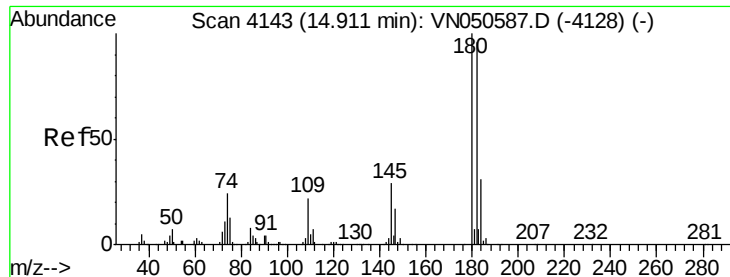


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

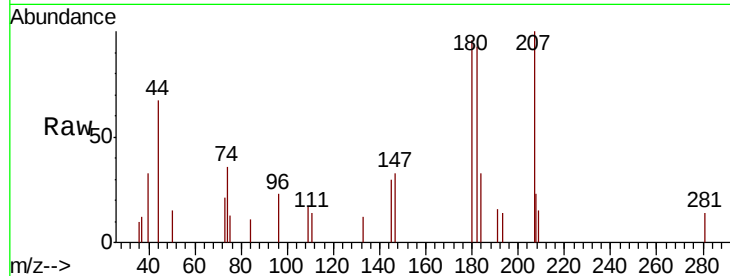




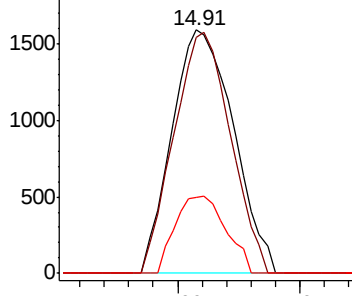
#93
 1,2,4-Trichlorobenzene
 Concen: 0.587 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

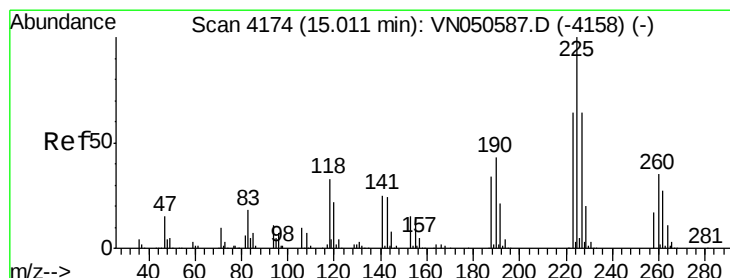
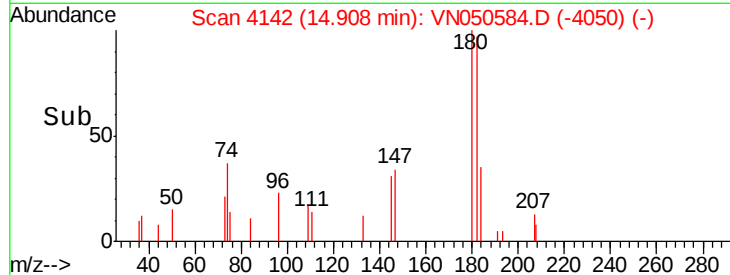
Tot Ion:180 Resp: 2789
 Ion Ratio Lower Upper
 180 100
 182 90.9 47.9 143.7
 145 26.0 14.4 43.4



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

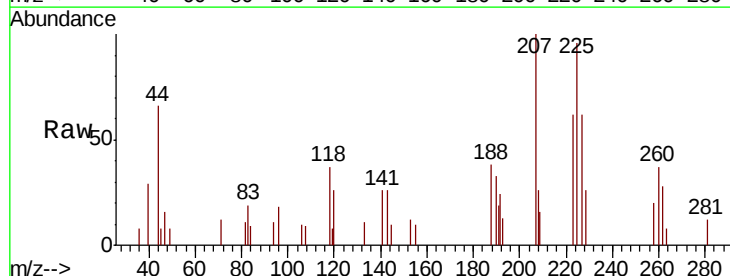


Time-->

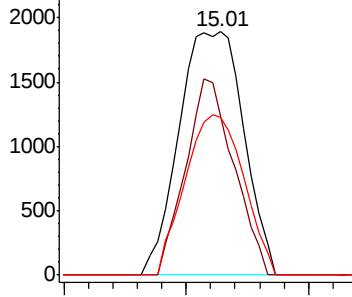


#94
 Hexachlorobutadiene
 Concen: 1.007 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

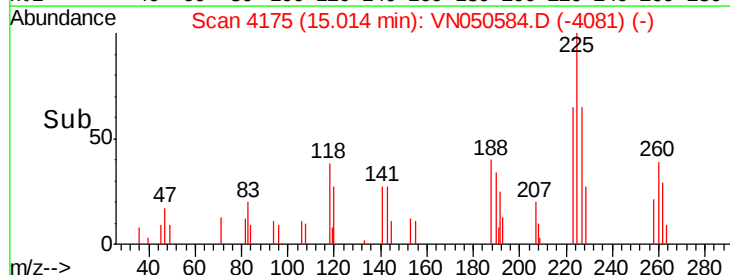
Tgt Ion:225 Resp: 3487
 Ion Ratio Lower Upper
 225 100
 223 59.9 32.1 96.3
 227 59.5 32.0 96.2

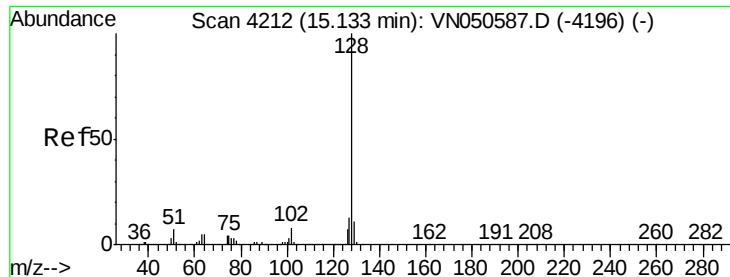


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 0.451 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

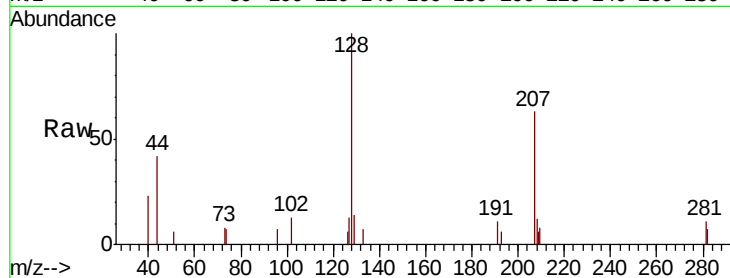
Tot Ion:128 Resp: 4852

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

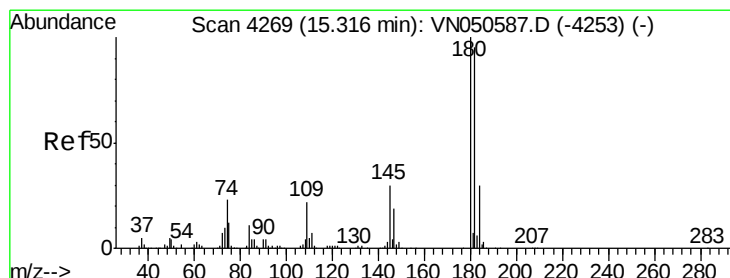
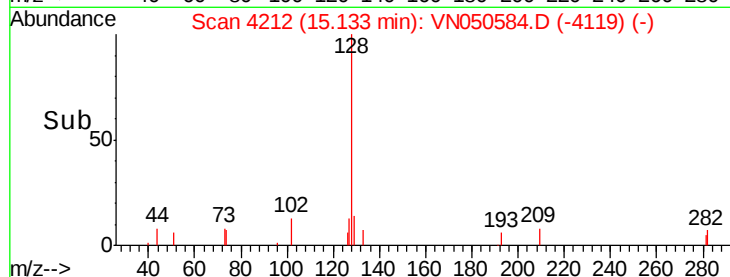
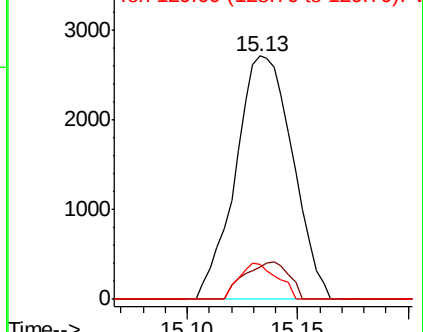
129 10.1 8.5 12.7



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: 0.635 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

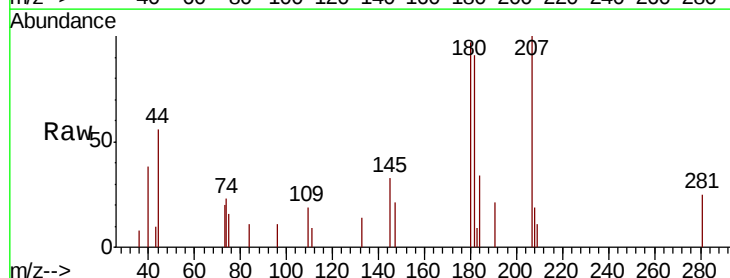
Tgt Ion:180 Resp: 3053

Ion Ratio Lower Upper

180 100

182 91.8 47.3 141.8

145 30.3 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

