

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051337.D
 Acq On : 20 Sep 2018 13:52
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 21 03:52:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	822682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	375076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	44572	6.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.48%	
35) Dibromofluoromethane	7.59	113	43325	5.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.80%	
50) Toluene-d8	10.09	98	167379	5.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.84%	
62) 4-Bromofluorobenzene	12.40	95	50909	5.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	29630	5.38	ug/l	97
3) Chloromethane	2.06	50	41820	5.36	ug/l	98
4) Vinyl Chloride	2.18	62	41305	5.32	ug/l	98
5) Bromomethane	2.56	94	26442	4.89	ug/l	96
6) Chloroethane	2.70	64	24725	5.19	ug/l	97
7) Trichlorofluoromethane	3.02	101	58624	5.29	ug/l	99
8) Diethyl Ether	3.42	74	17948	5.06	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	35541	5.22	ug/l	98
10) Methyl Iodide	3.95	142	43746	4.34	ug/l	99
11) Tert butyl alcohol	4.79	59	9981	26.37	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	30951	5.02	ug/l	97
13) Acrolein	3.61	56	7566	17.47	ug/l	95
14) Allyl chloride	4.33	41	41461	4.77	ug/l	96
15) Acrylonitrile	4.99	53	48384	25.23	ug/l	98
16) Acetone	3.82	43	39579	26.99	ug/l	96
17) Carbon Disulfide	4.05	76	92803	5.00	ug/l	97
18) Methyl Acetate	4.33	43	24951	4.95	ug/l #	72
19) Methyl tert-butyl Ether	5.05	73	69861	4.69	ug/l	99
20) Methylene Chloride	4.55	84	38079	5.19	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	32794	5.04	ug/l	99
22) Diisopropyl ether	5.96	45	81134	4.73	ug/l	91
23) Vinyl Acetate	5.90	43	259184	23.36	ug/l	98
24) 1,1-Dichloroethane	5.85	63	61083	5.22	ug/l	98
25) 2-Butanone	6.84	43	53726	26.34	ug/l	93
26) 2,2-Dichloropropane	6.83	77	49697	5.14	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	34616	4.80	ug/l	95
28) Bromochloromethane	7.20	49	24317	5.02	ug/l	97
29) Tetrahydrofuran	7.21	42	30070	23.27	ug/l	98
30) Chloroform	7.37	83	64622	5.26	ug/l	98
31) Cyclohexane	7.66	56	52834	4.59	ug/l #	69
32) 1,1,1-Trichloroethane	7.57	97	53939	5.09	ug/l	97
36) 1,1-Dichloropropene	7.79	75	44469	4.78	ug/l	98
37) Ethyl Acetate	6.94	43	22935	4.98	ug/l	99
38) Carbon Tetrachloride	7.78	117	51090	5.08	ug/l	97

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 Data File : VN051337.D
 Acq On : 20 Sep 2018 13:52
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 21 03:52:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	48755	4.49	ug/l	95
40) Benzene	8.04	78	141506	5.05	ug/l	98
41) Methacrylonitrile	7.18	41	9930	4.14	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	43794	5.17	ug/l	99
43) Isopropyl Acetate	8.17	43	42415	5.26	ug/l #	86
44) Trichloroethene	8.84	130	40749	5.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	37532	5.23	ug/l	96
46) Dibromomethane	9.21	93	22691	5.13	ug/l	99
47) Bromodichloromethane	9.40	83	46407	4.92	ug/l	99
48) Methyl methacrylate	9.20	41	19849	4.83	ug/l	94
49) 1,4-Dioxane	9.20	88	5993	98.57	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	105112	24.23	ug/l	97
52) Toluene	10.16	92	83746	4.85	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	41952	4.63	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	50220	4.79	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	33347	5.15	ug/l	96
56) Ethyl methacrylate	10.43	69	29671	4.34	ug/l	96
57) 1,3-Dichloropropane	10.71	76	50425	4.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	66808	19.87	ug/l	99
59) 2-Hexanone	10.75	43	72769	24.88	ug/l	92
60) Dibromochloromethane	10.90	129	36900	4.89	ug/l	99
61) 1,2-Dibromoethane	11.01	107	30641	4.92	ug/l	100
64) Tetrachloroethene	10.63	164	36073	5.03	ug/l	98
65) Chlorobenzene	11.43	112	98109	4.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	38239	5.11	ug/l	99
67) Ethyl Benzene	11.51	91	142297	4.63	ug/l	98
68) m/p-Xylenes	11.62	106	110871	9.18	ug/l	99
69) o-Xylene	11.95	106	53719	4.61	ug/l	97
70) Styrene	11.96	104	79423	4.39	ug/l	98
71) Bromoform	12.13	173	25264	4.97	ug/l #	98
73) Isopropylbenzene	12.25	105	136708	4.97	ug/l	99
74) N-amyl acetate	12.07	43	28130	4.78	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	38205	5.63	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	43253	7.99	ug/l #	100
77) Bromobenzene	12.53	156	39402	5.19	ug/l	97
78) n-propylbenzene	12.59	91	147622	4.93	ug/l	98
79) 2-Chlorotoluene	12.67	91	95429	5.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	110403	4.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8669	5.54	ug/l	95
82) 4-Chlorotoluene	12.77	91	89686	5.00	ug/l	99
83) tert-Butylbenzene	12.99	119	99512	4.99	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	106654	4.82	ug/l	99
85) sec-Butylbenzene	13.17	105	133399	5.03	ug/l	98
86) p-Isopropyltoluene	13.29	119	108169	4.69	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	65547	5.13	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	62802	5.07	ug/l	94
89) n-Butylbenzene	13.62	91	81418	4.54	ug/l	96
90) Hexachloroethane	13.87	117	27179	5.50	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	64034	5.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4847	5.39	ug/l	97

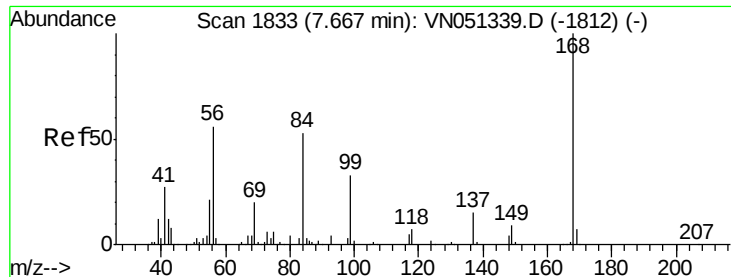
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051337.D
Acq On : 20 Sep 2018 13:52
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 21 03:52:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19587	3.46	ug/l	93
94) Hexachlorobutadiene	15.01	225	24645	5.15	ug/l	98
95) Naphthalene	15.13	128	28453	2.86	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	21171	3.76	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

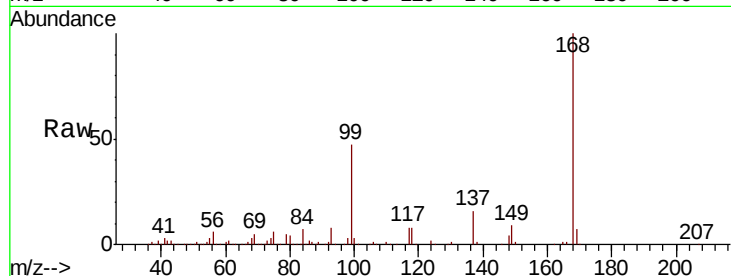
VSTDIC005

Tot Ion:168 Resp: 658636

Ion Ratio Lower Upper

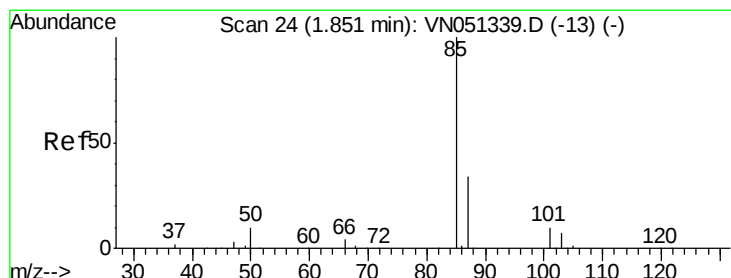
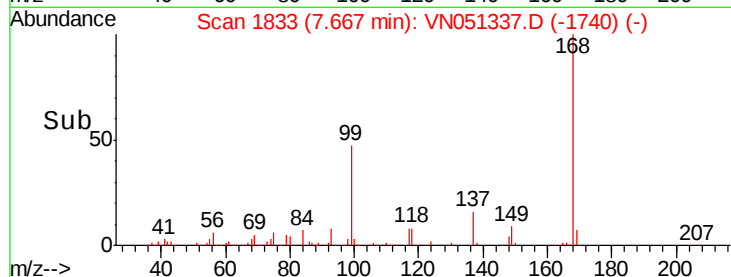
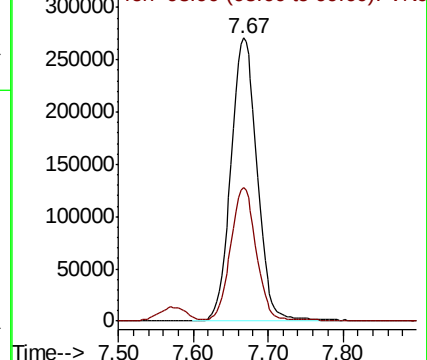
168 100

99 47.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.38 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051337.D

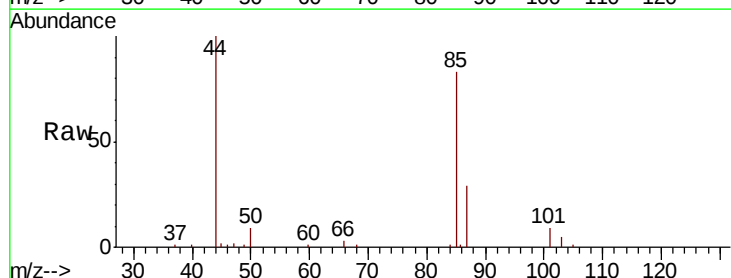
Acq: 20 Sep 2018 13:52

Tgt Ion: 85 Resp: 29630

Ion Ratio Lower Upper

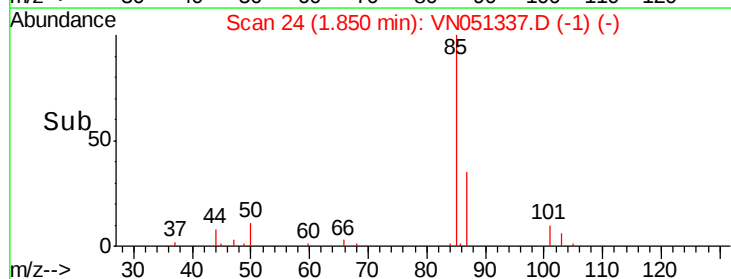
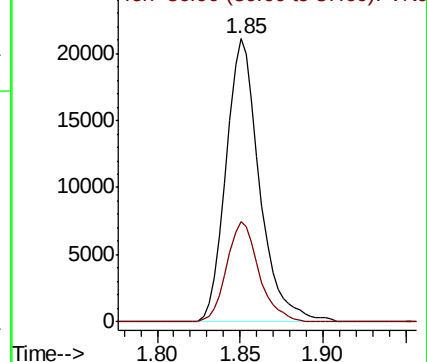
85 100

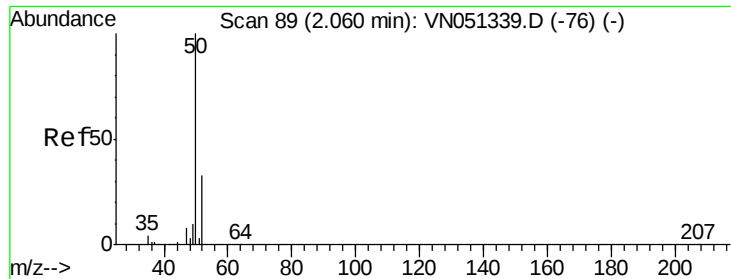
87 35.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.36 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

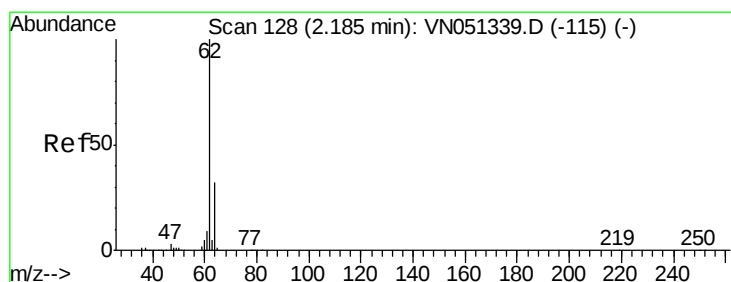
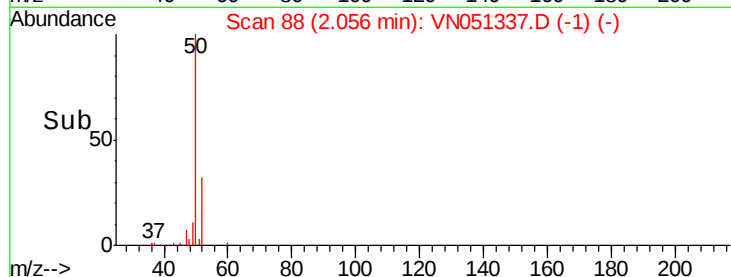
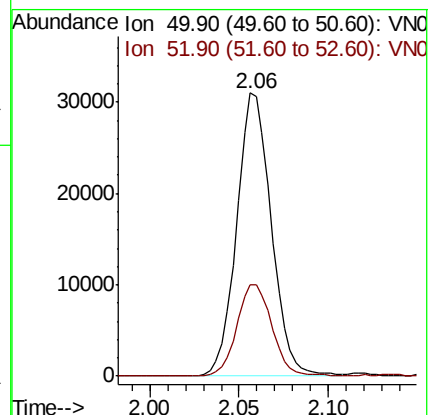
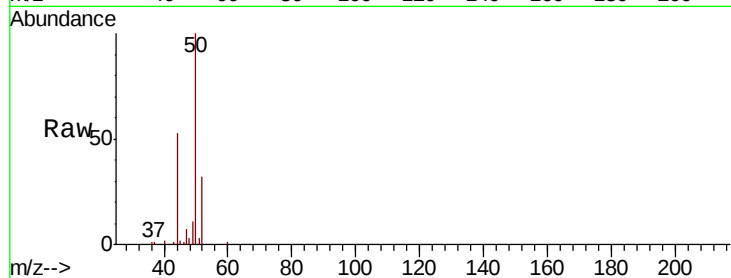
VSTDIC005

Tot Ion: 50 Resp: 41820

Ion Ratio Lower Upper

50 100

52 32.3 26.7 40.1



#4

Vinyl Chloride

Concen: 5.32 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051337.D

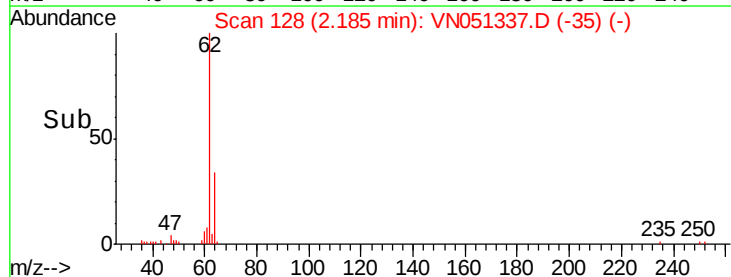
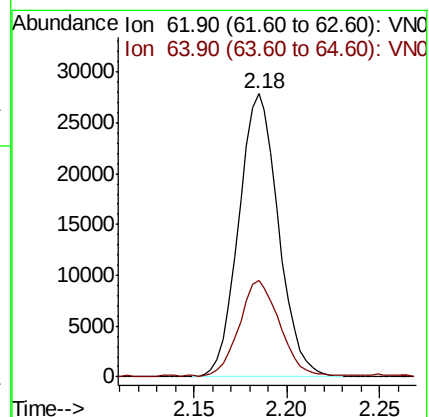
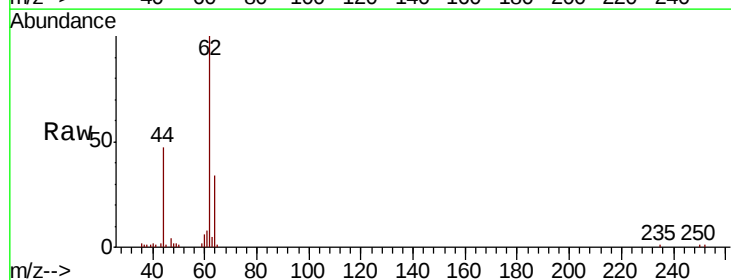
Acq: 20 Sep 2018 13:52

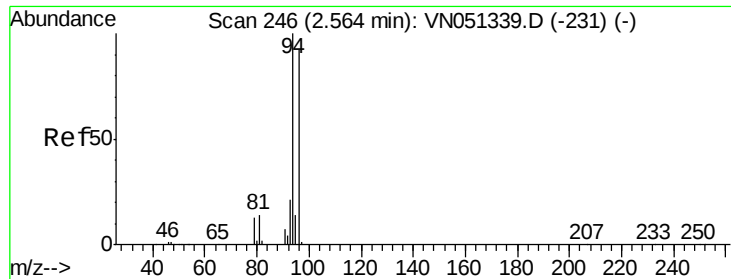
Tgt Ion: 62 Resp: 41305

Ion Ratio Lower Upper

62 100

64 33.7 25.9 38.9





#5

Bromomethane

Concen: 4.89 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

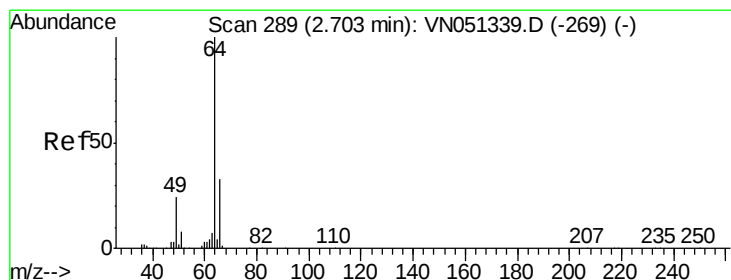
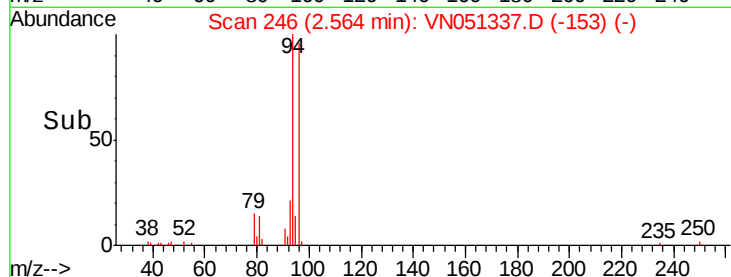
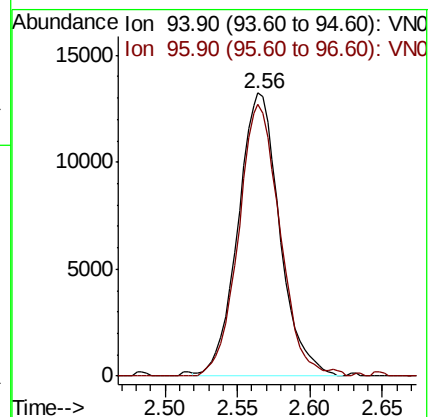
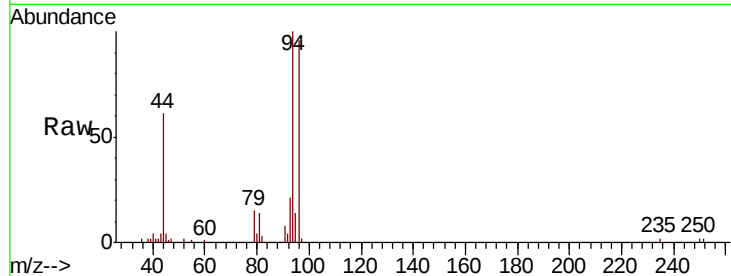
VSTDIC005

Tot Ion: 94 Resp: 26442

Ion Ratio Lower Upper

94 100

96 96.0 73.8 110.8



#6

Chloroethane

Concen: 5.19 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051337.D

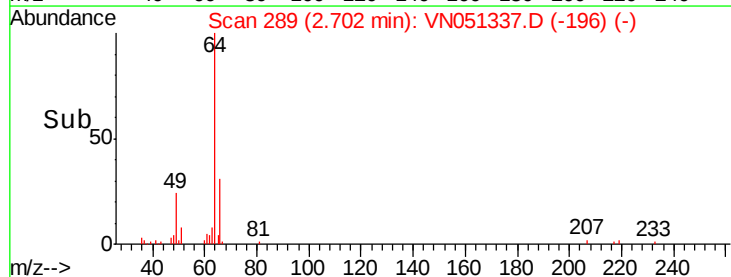
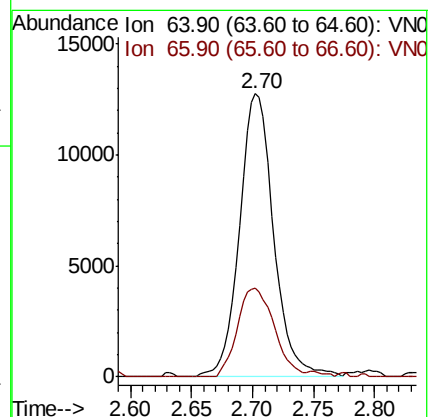
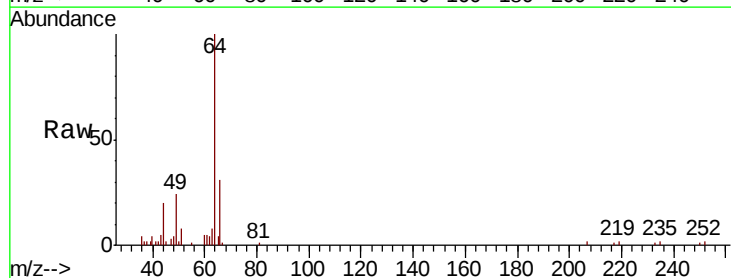
Acq: 20 Sep 2018 13:52

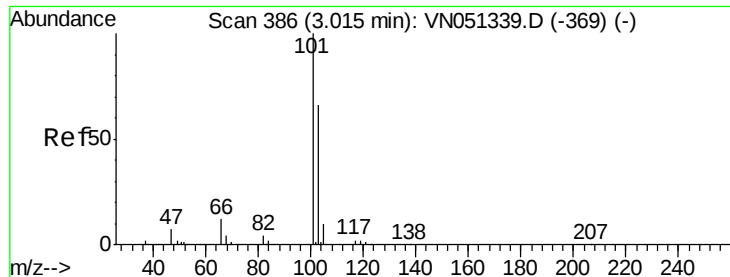
Tgt Ion: 64 Resp: 24725

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8



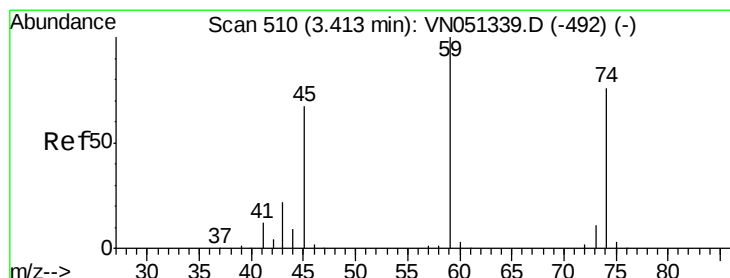
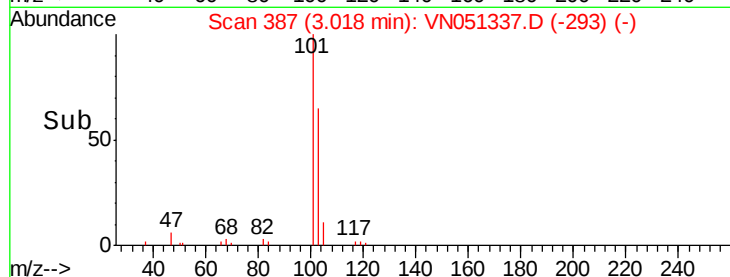
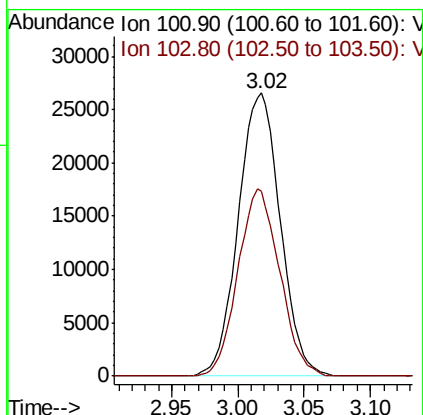
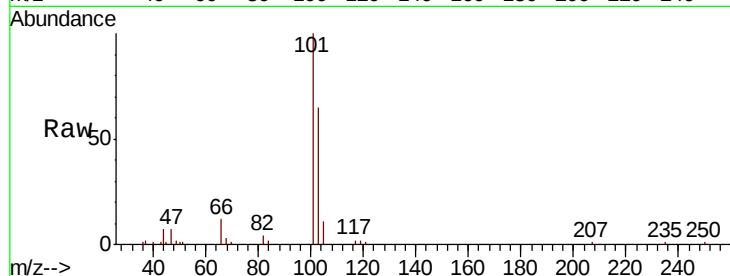


#7

Trichlorofluoromethane
Concen: 5.29 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

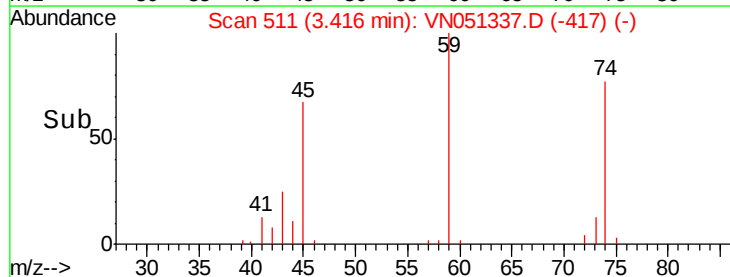
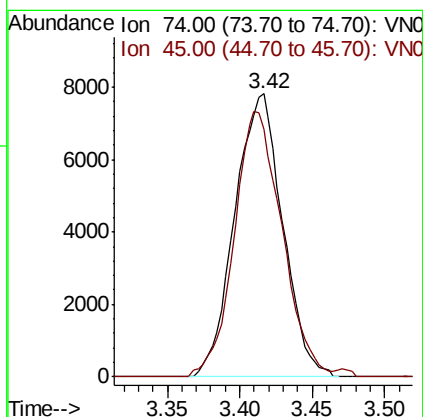
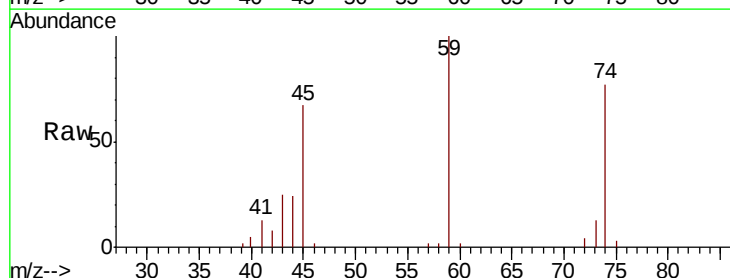
Tot Ion:101 Resp: 58624
Ion Ratio Lower Upper
101 100
103 65.4 52.7 79.1

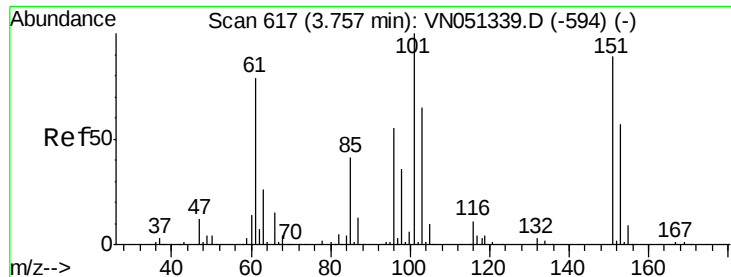


#8

Diethyl Ether
Concen: 5.06 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 74 Resp: 17948
Ion Ratio Lower Upper
74 100
45 93.6 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.22 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

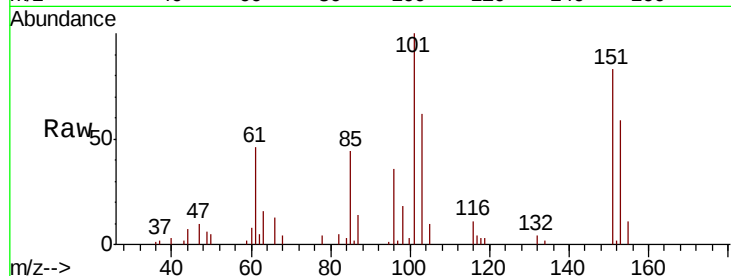
Tot Ion:101 Resp: 35541

Ion Ratio Lower Upper

101 100

85 43.2 33.4 50.2

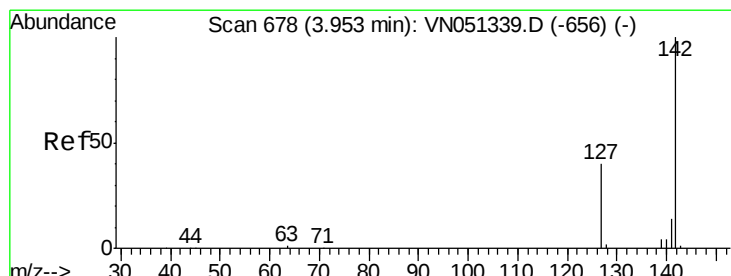
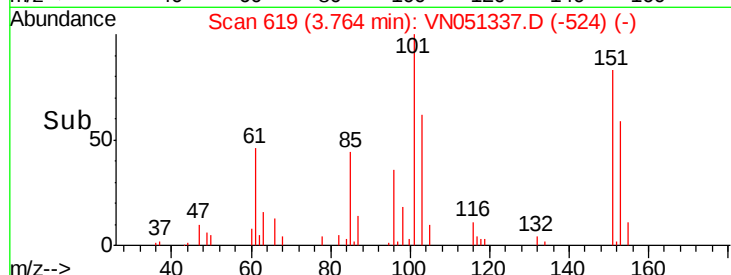
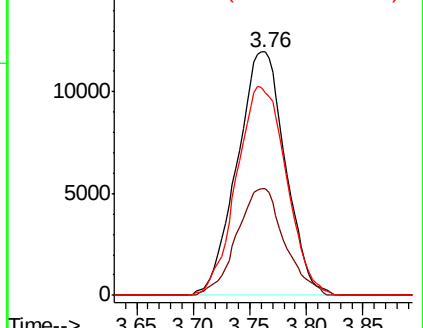
151 88.6 71.8 107.6



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: 4.34 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

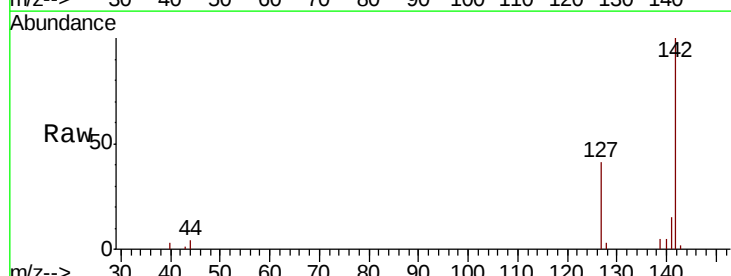
Tgt Ion:142 Resp: 43746

Ion Ratio Lower Upper

142 100

127 40.5 31.9 47.9

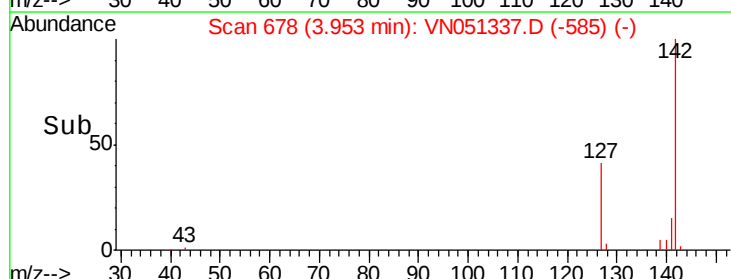
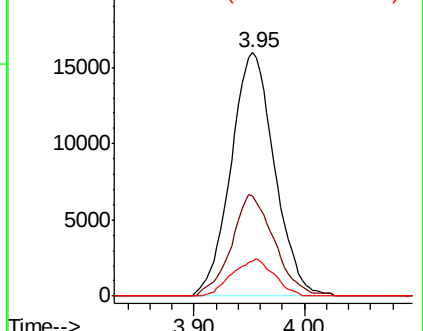
141 14.6 11.4 17.0

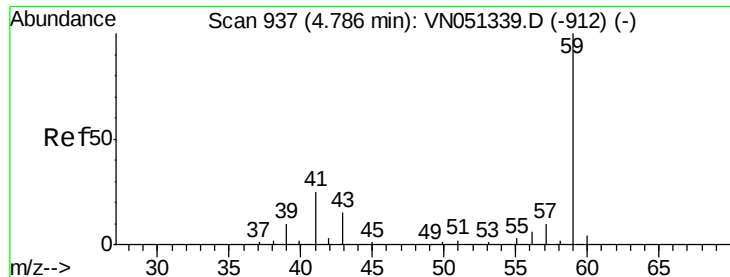


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

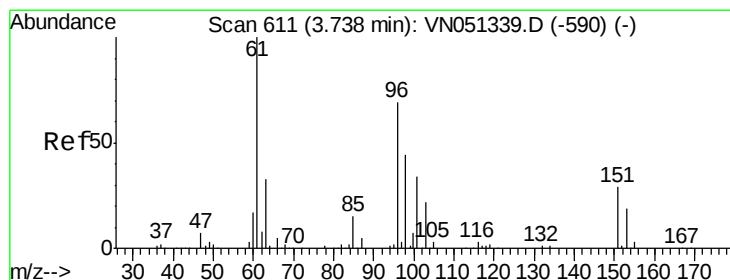
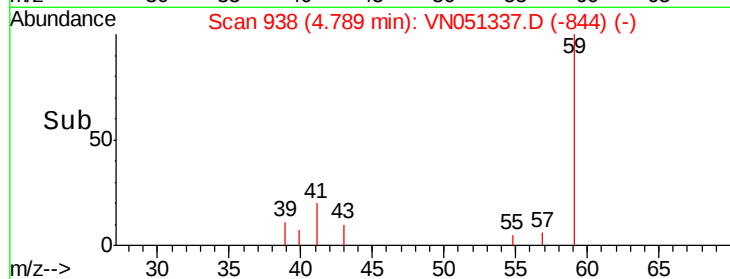
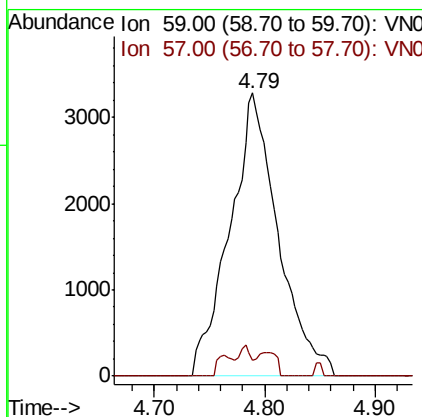
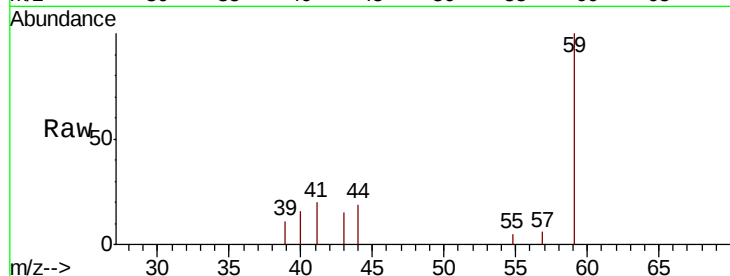




#11
Tert butyl alcohol
Concen: 26.37 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

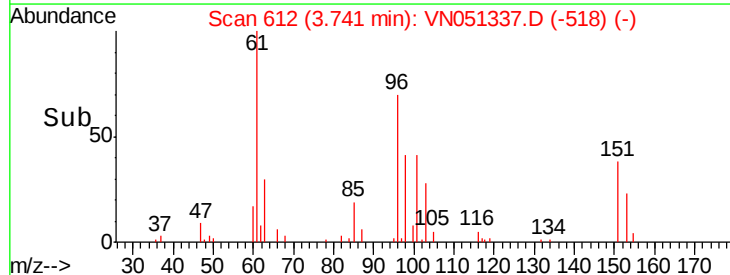
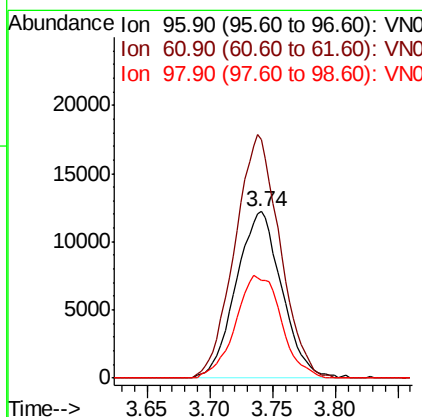
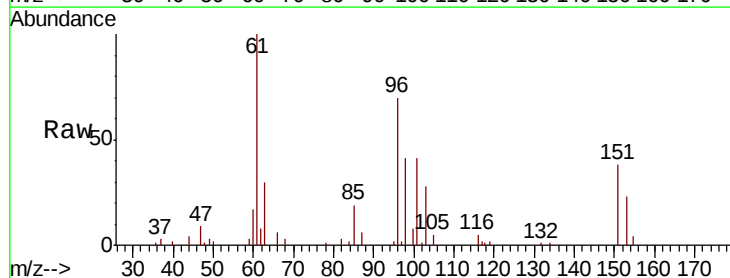
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

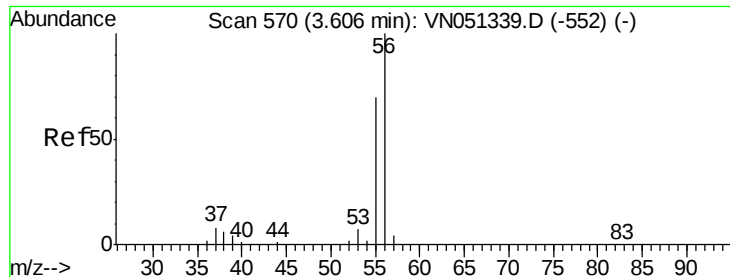
Tot Ion: 59 Resp: 9981
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 5.02 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 96 Resp: 30951
Ion Ratio Lower Upper
96 100
61 143.4 116.4 174.6
98 58.6 50.9 76.3





#13

Acrolein

Concen: 17.47 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

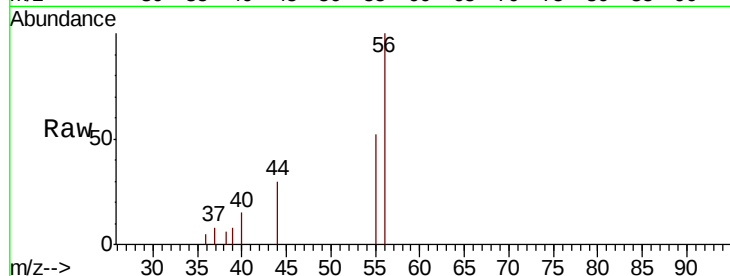
VSTDIC005

Tot Ion: 56 Resp: 7566

Ion Ratio Lower Upper

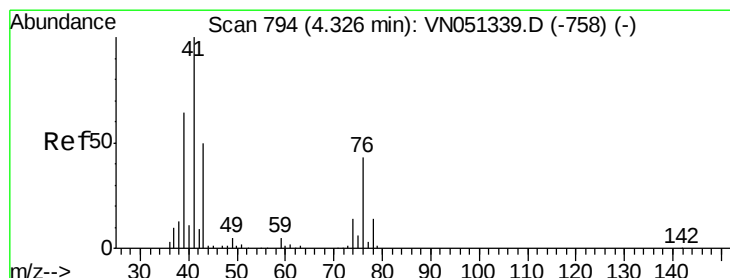
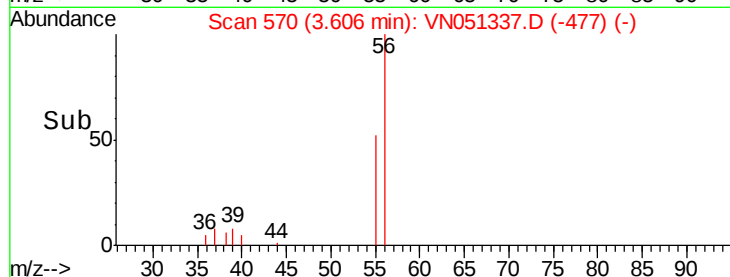
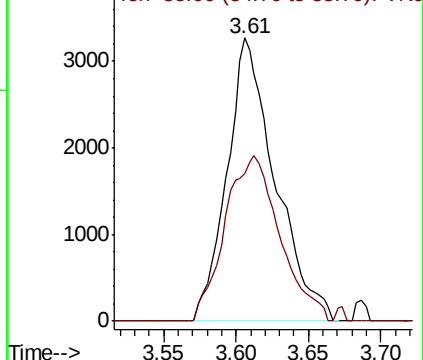
56 100

55 66.5 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.77 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

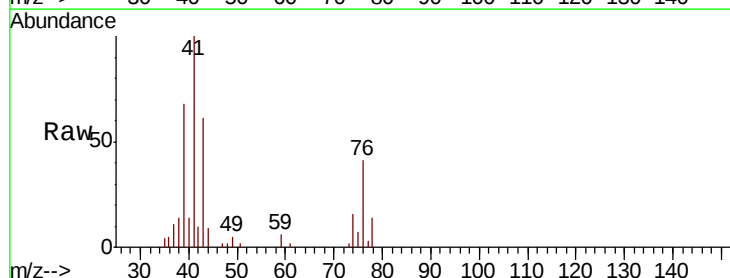
Tgt Ion: 41 Resp: 41461

Ion Ratio Lower Upper

41 100

39 66.3 50.4 75.6

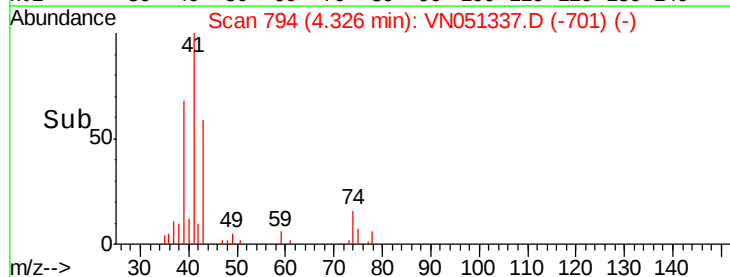
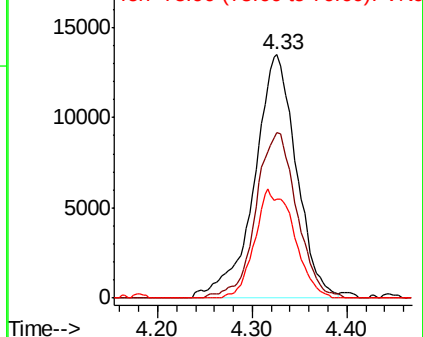
76 42.0 32.4 48.6

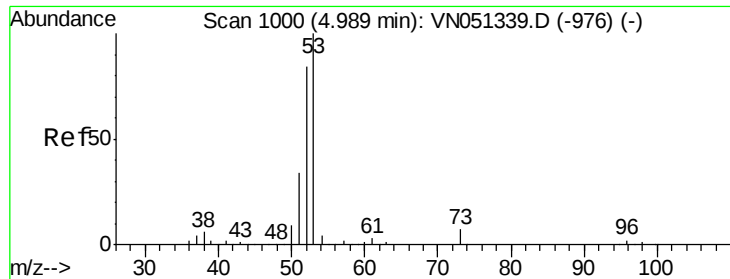


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 25.23 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

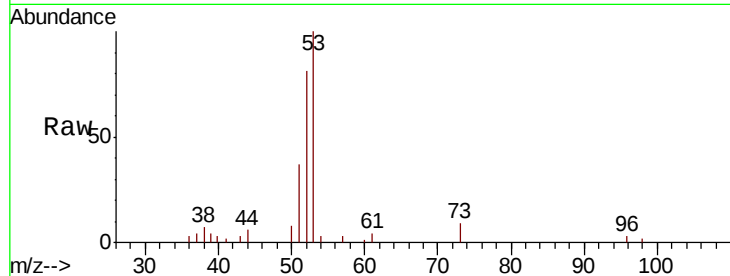
Tot Ion: 53 Resp: 48384

Ion Ratio Lower Upper

53 100

52 79.7 65.4 98.0

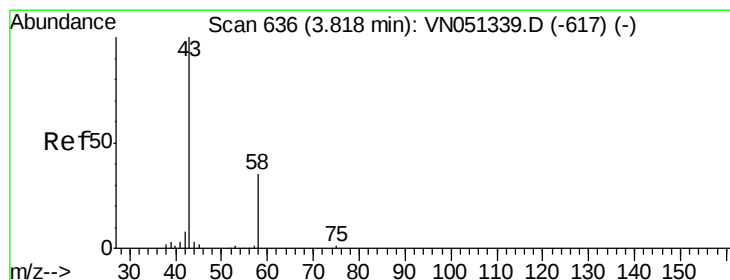
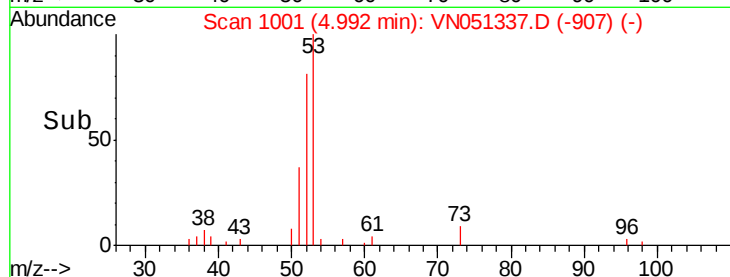
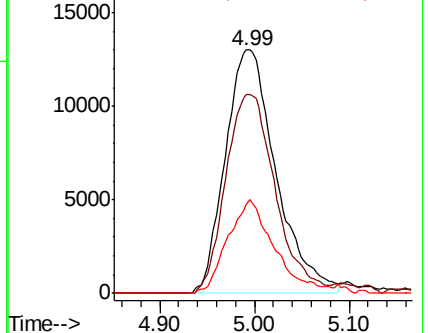
51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN051337.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051337.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051337.D (-976) (-)



#16

Acetone

Concen: 26.99 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051337.D

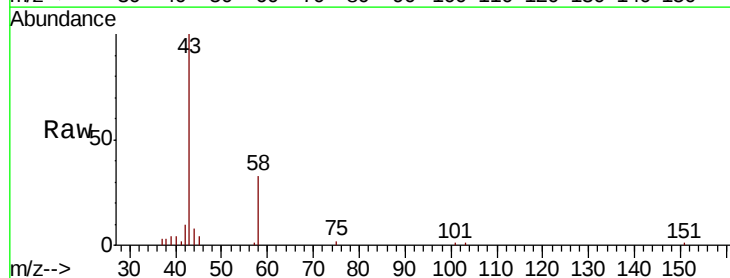
Acq: 20 Sep 2018 13:52

Tgt Ion: 43 Resp: 39579

Ion Ratio Lower Upper

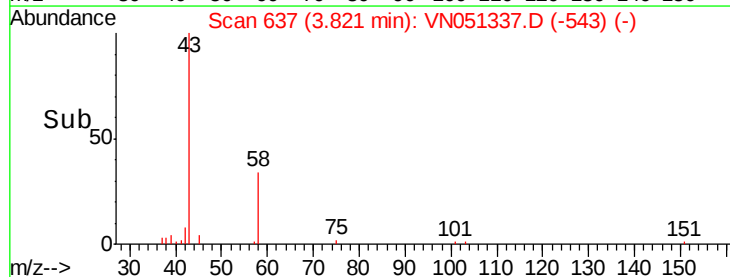
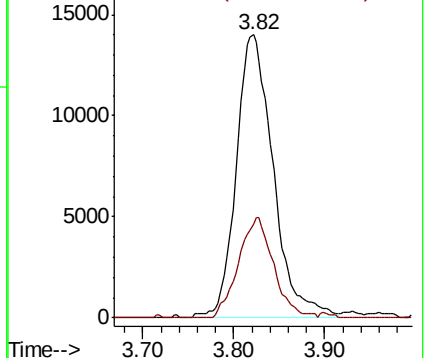
43 100

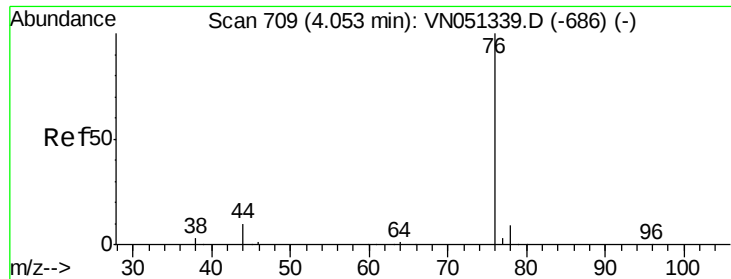
58 33.1 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN051337.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN051337.D (-543) (-)

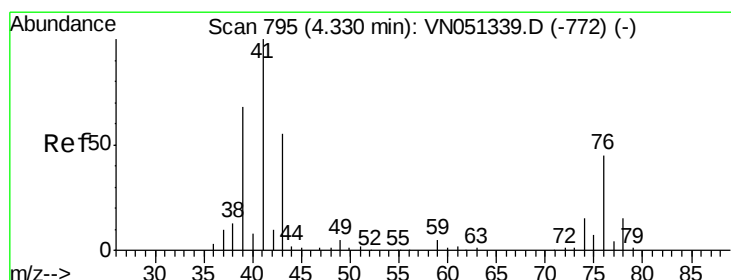
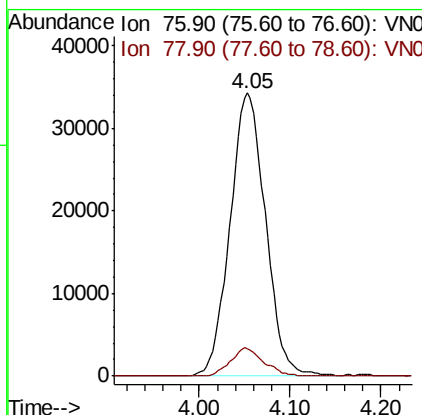
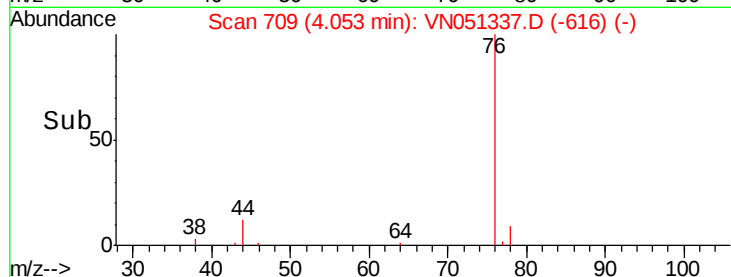
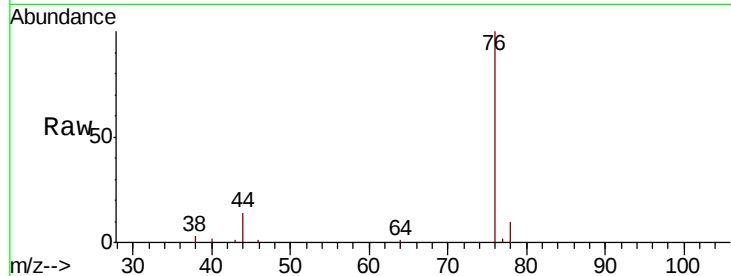




#17
Carbon Disulfide
Concen: 5.00 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

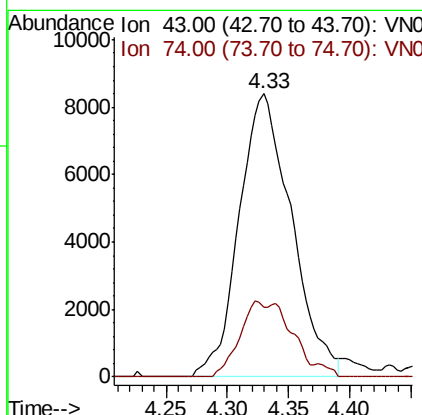
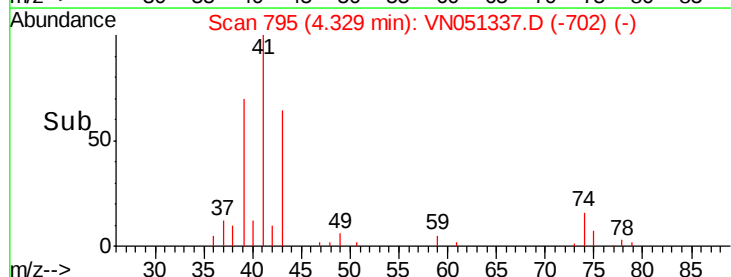
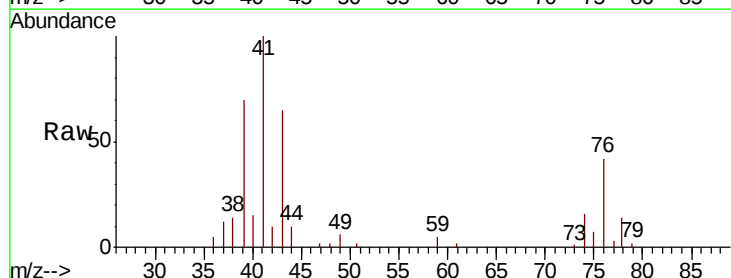
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

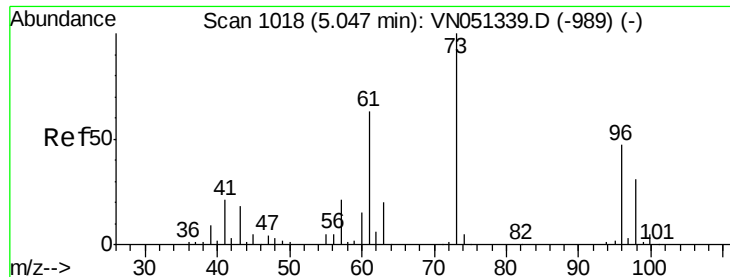
Tot Ion: 76 Resp: 92803
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6



#18
Methyl Acetate
Concen: 4.95 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 43 Resp: 24951
Ion Ratio Lower Upper
43 100
74 12.4 21.7 32.5#

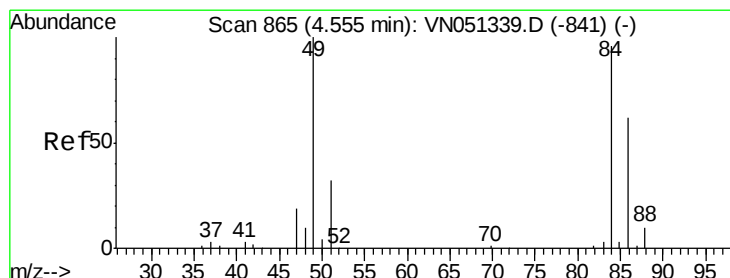
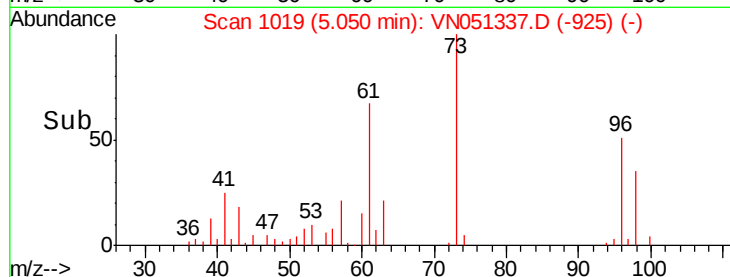
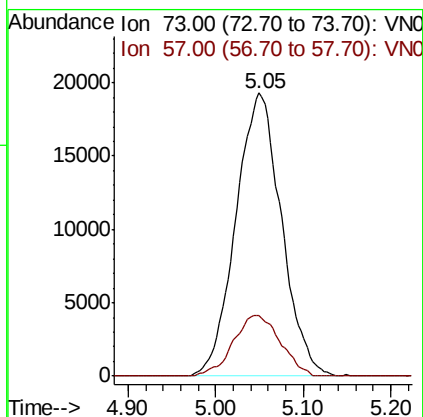
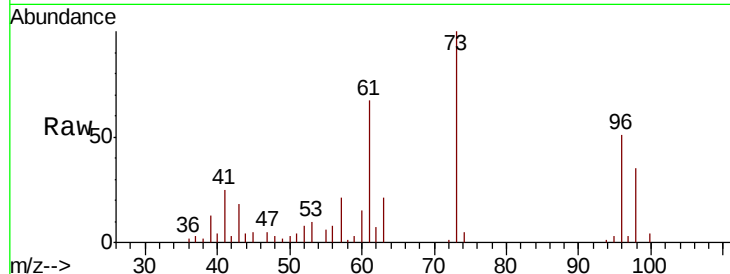




#19
Methvl tert-butvl Ether
Concen: 4.69 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

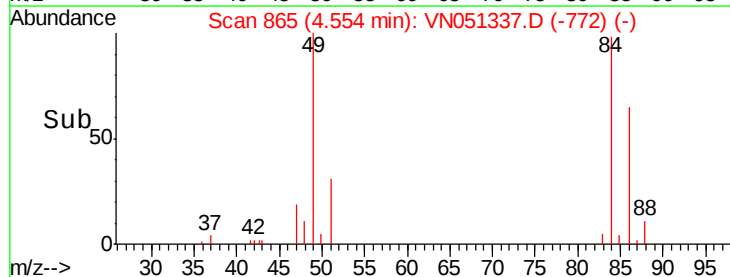
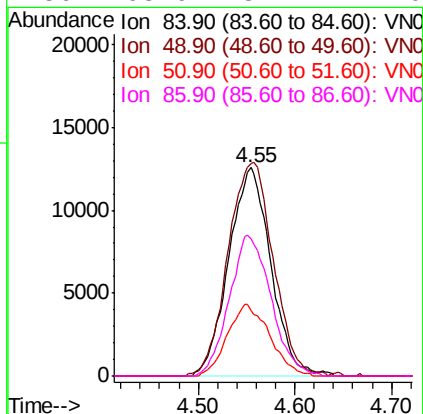
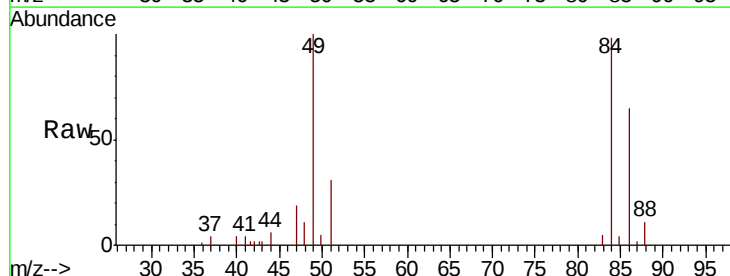
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

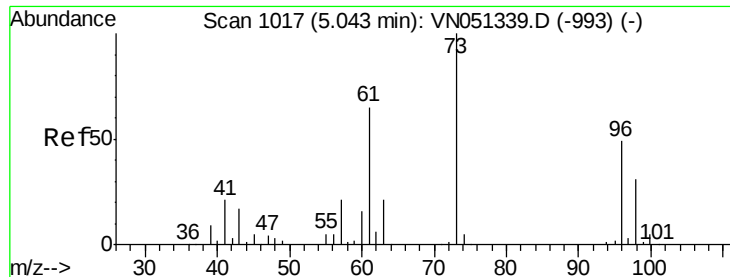
Tot Ion: 73 Resp: 69861
Ion Ratio Lower Upper
73 100
57 21.4 16.9 25.3



#20
Methylene Chloride
Concen: 5.19 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 84 Resp: 38079
Ion Ratio Lower Upper
84 100
49 100.8 83.2 124.8
51 31.5 26.4 39.6
86 65.9 51.4 77.0

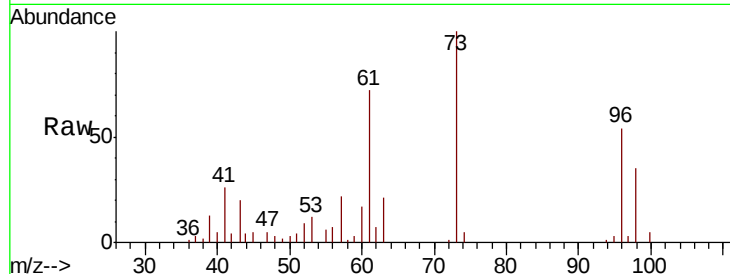




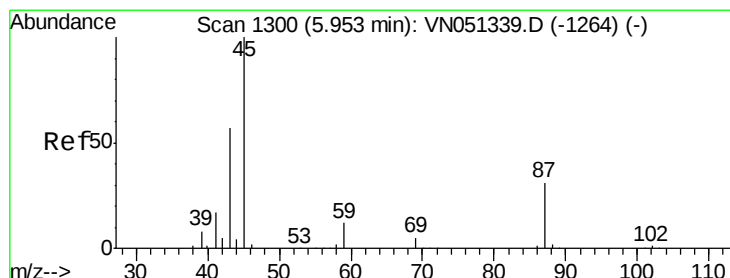
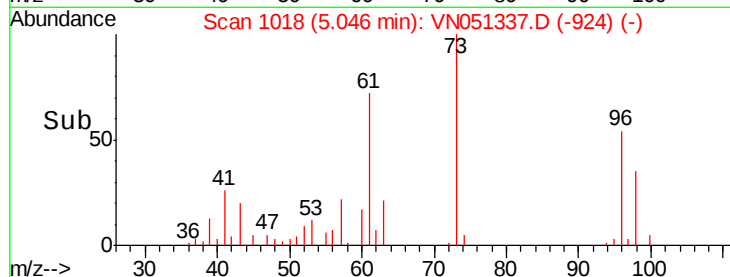
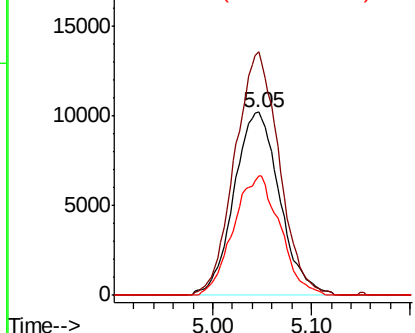
#21
trans-1,2-Dichloroethene
Concen: 5.04 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 32794
Ion Ratio Lower Upper
96 100
61 133.0 106.2 159.4
98 65.5 51.0 76.6

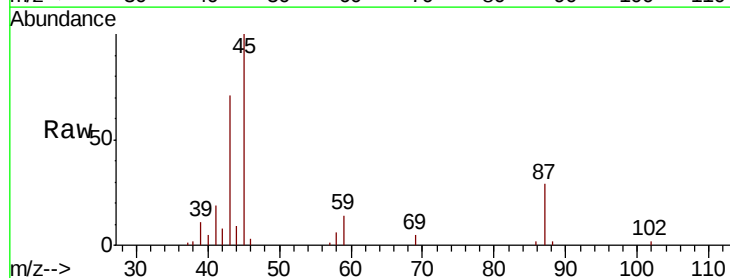


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

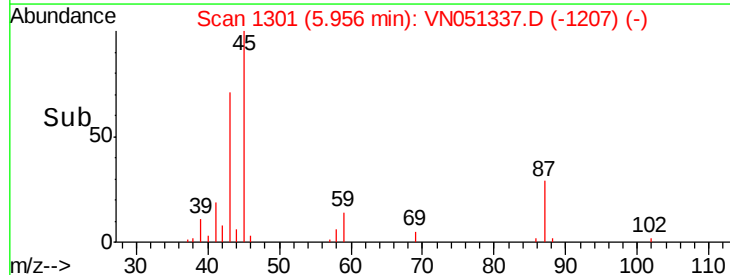
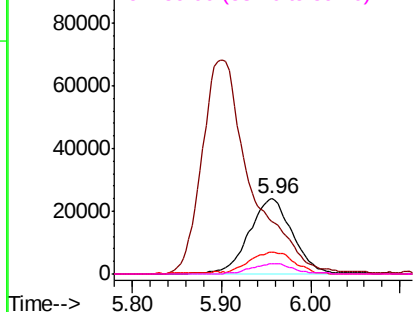


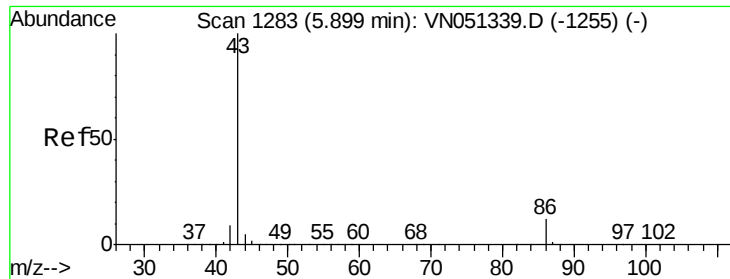
#22
Diisopropyl ether
Concen: 4.73 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 45 Resp: 81134
Ion Ratio Lower Upper
45 100
43 66.3 46.1 69.1
87 29.1 25.6 38.4
59 14.3 9.9 14.9



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





#23

Vinyl Acetate

Concen: 23.36 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

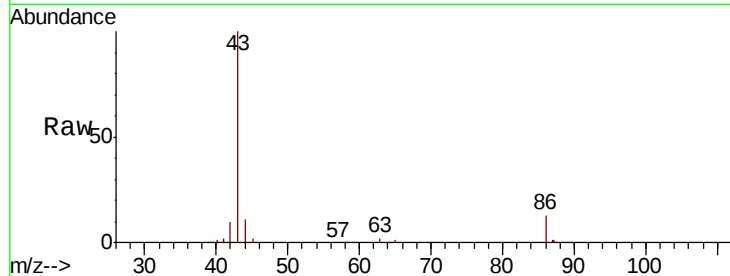
VSTDIC005

Tot Ion: 43 Resp: 259184

Ion Ratio Lower Upper

43 100

86 13.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN051337.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN051337.D (-1190) (-)

5.90

80000

60000

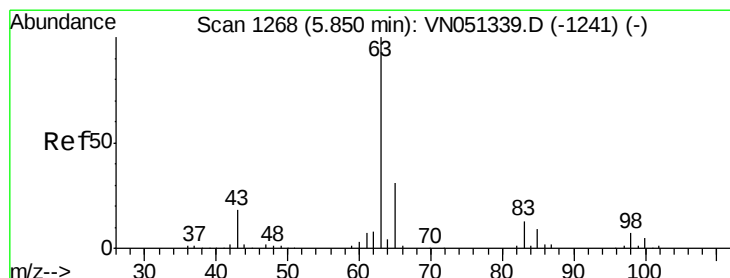
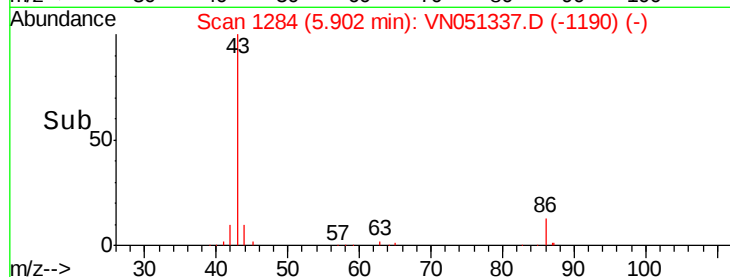
40000

20000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 5.22 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

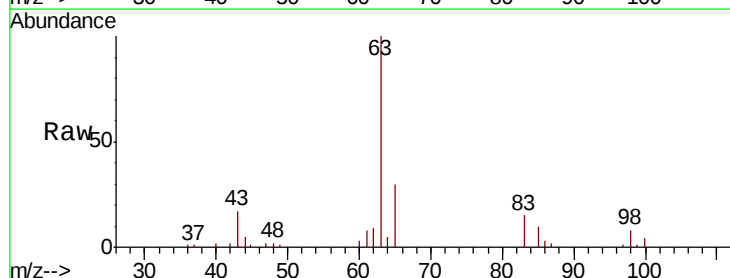
Tgt Ion: 63 Resp: 61083

Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

100 4.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN051337.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN051337.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN051337.D (-1175) (-)

5.85

25000

20000

15000

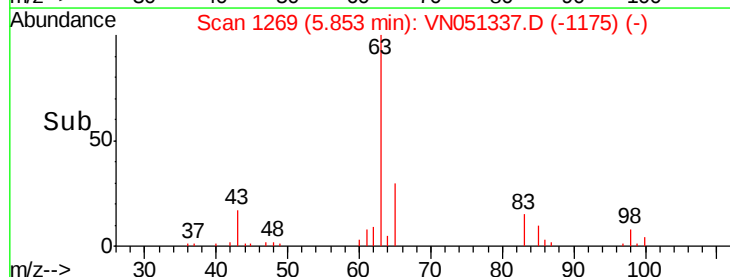
10000

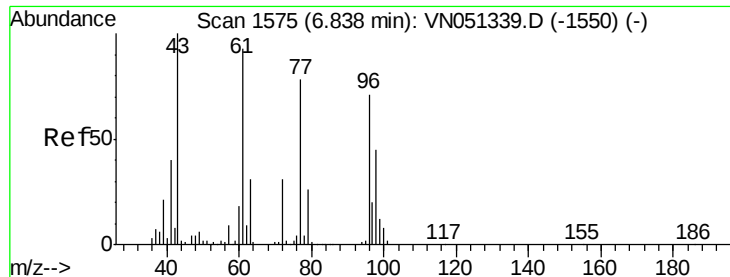
5000

0

5.80 5.90

Time-->





#25

2-Butanone

Concen: 26.34 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

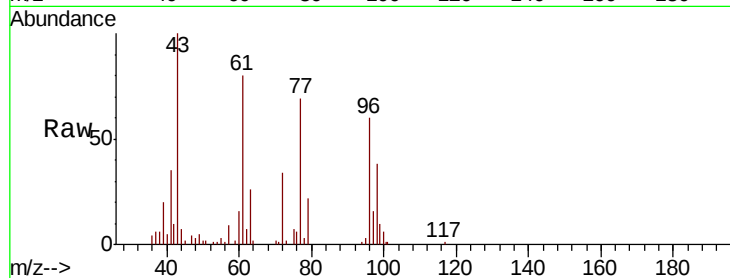
VSTDIC005

Tot Ion: 43 Resp: 53726

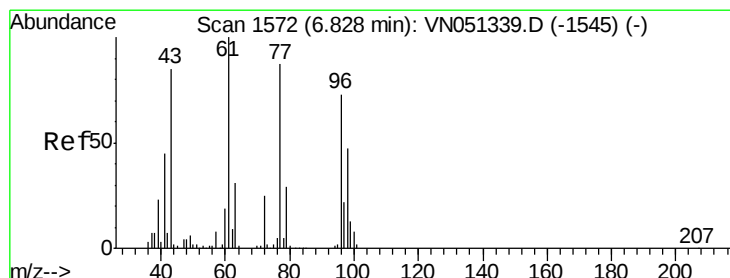
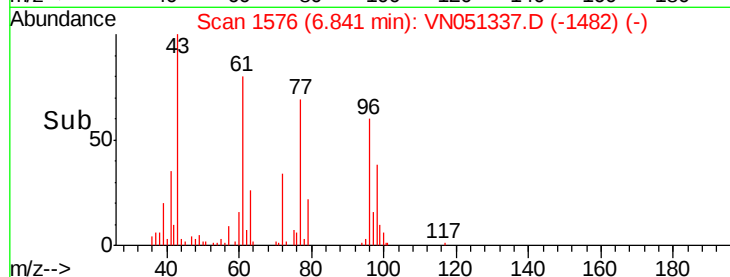
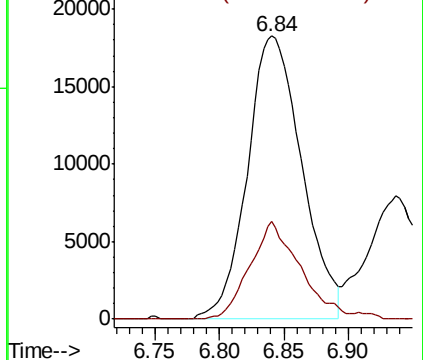
Ion Ratio Lower Upper

43 100

72 34.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VN051337.D (-1550) (-)



#26

2,2-Dichloropropane

Concen: 5.14 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051337.D

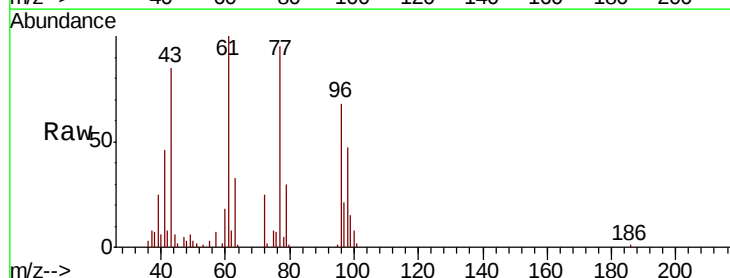
Acq: 20 Sep 2018 13:52

Tgt Ion: 77 Resp: 49697

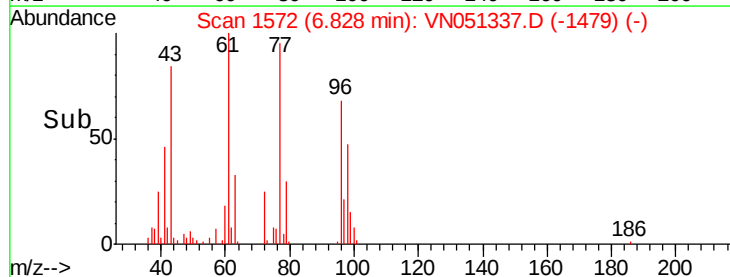
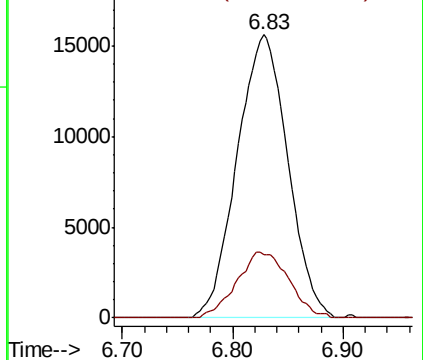
Ion Ratio Lower Upper

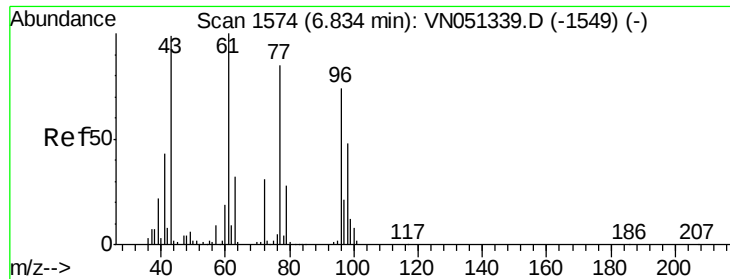
77 100

97 23.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN051337.D (-1545) (-)

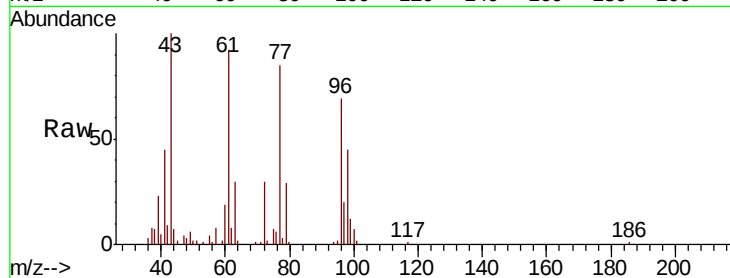




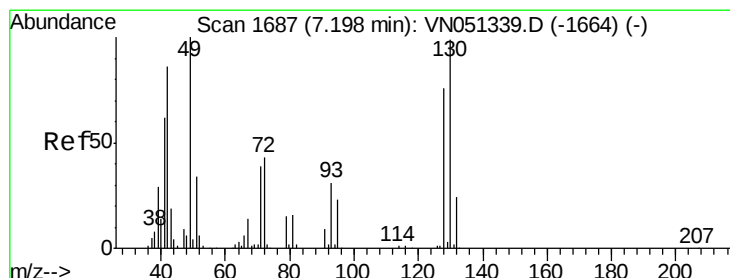
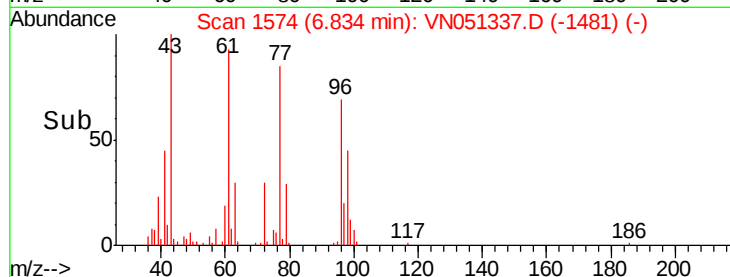
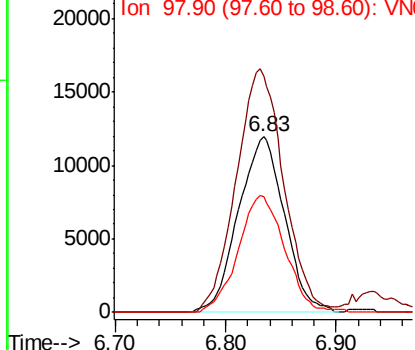
#27
 cis-1,2-Dichloroethene
 Concen: 4.80 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 96 Resp: 34616
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 271.2
 98 67.0 0.0 131.2

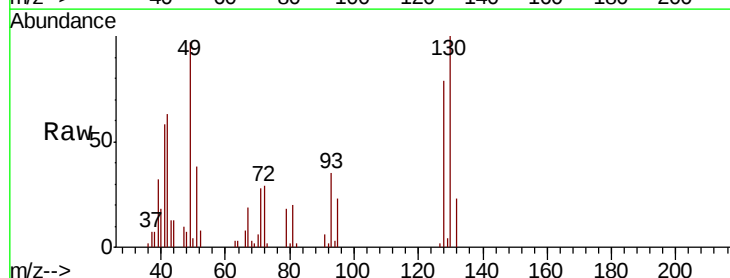


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

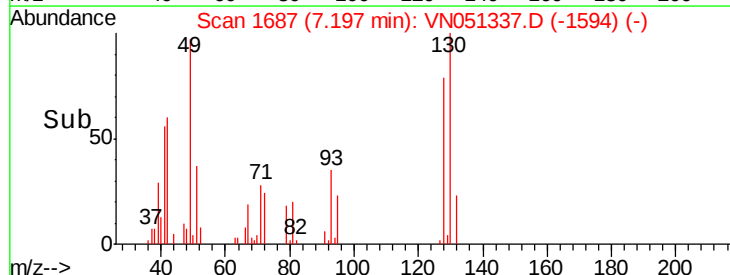
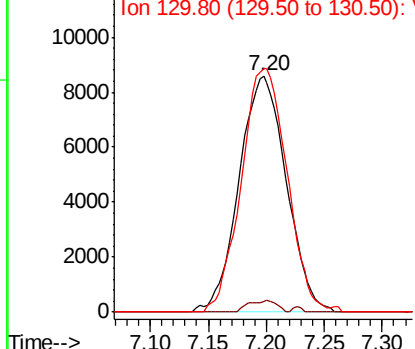


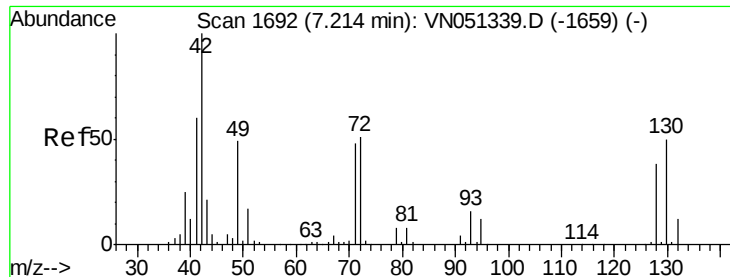
#28
 Bromochloromethane
 Concen: 5.02 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion: 49 Resp: 24317
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 4.0
 130 100.2 77.4 116.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 23.27 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

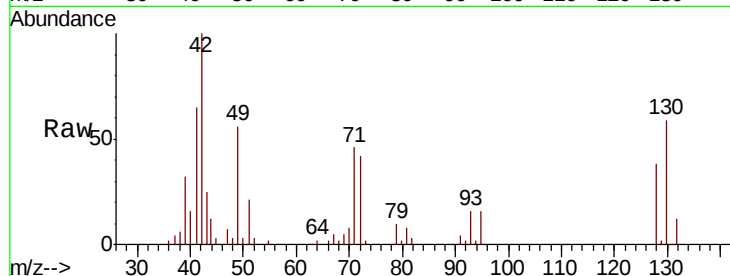
Tot Ion: 42 Resp: 30070

Ion Ratio Lower Upper

42 100

72 46.5 39.0 58.4

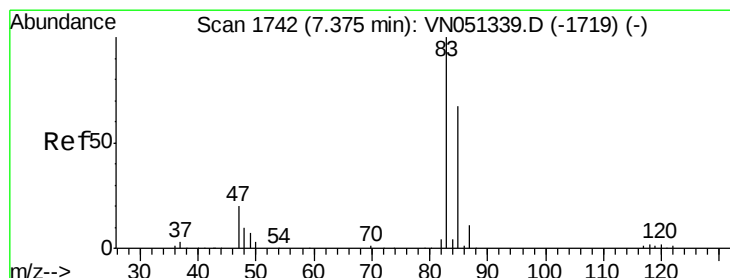
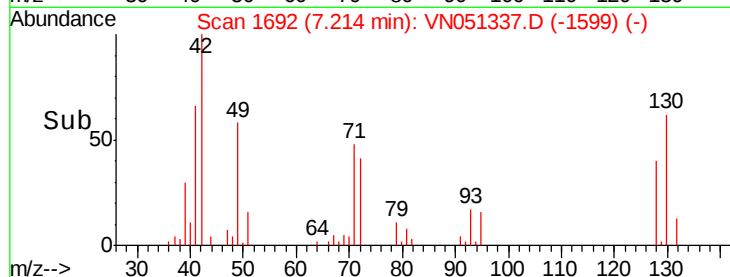
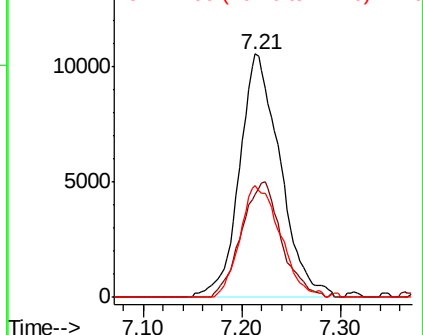
71 45.5 36.5 54.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 5.26 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051337.D

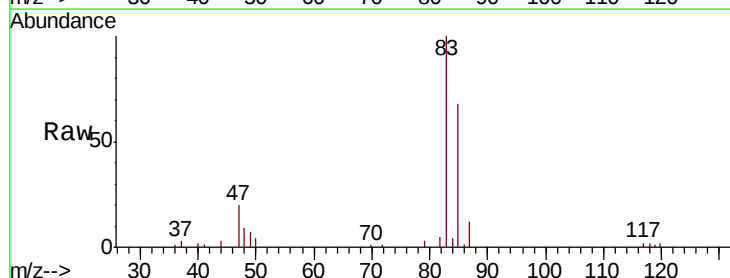
Acq: 20 Sep 2018 13:52

Tgt Ion: 83 Resp: 64622

Ion Ratio Lower Upper

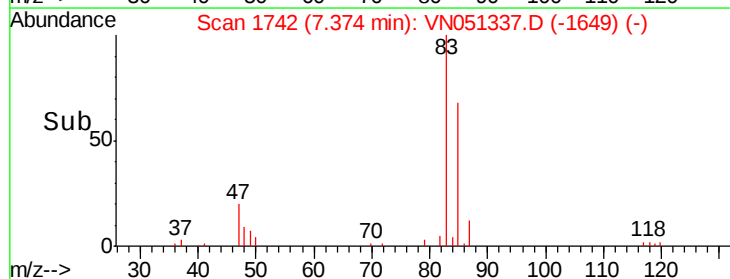
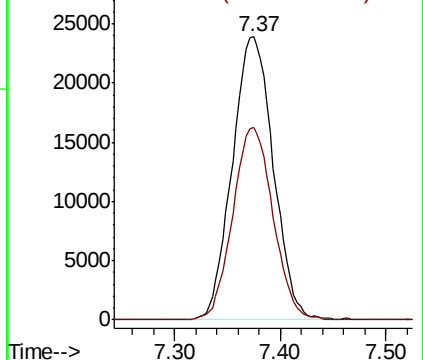
83 100

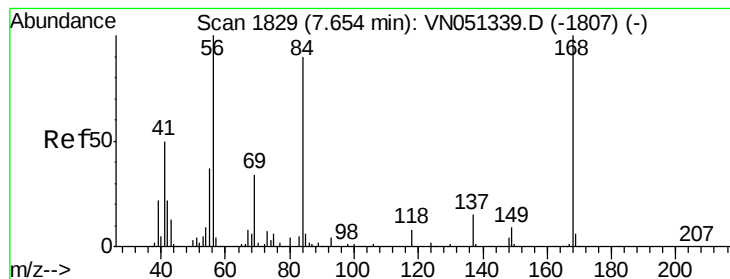
85 68.2 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 4.59 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

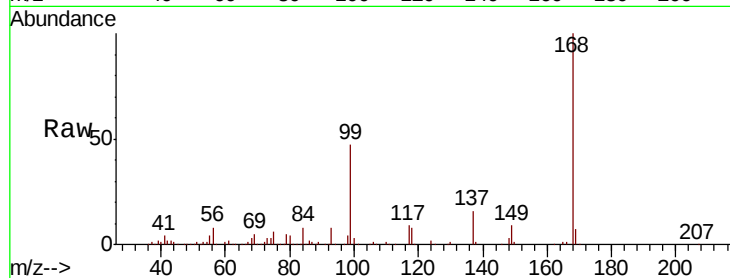
Tot Ion: 56 Resp: 52834

Ion Ratio Lower Upper

56 100

69 65.0 27.3 40.9#

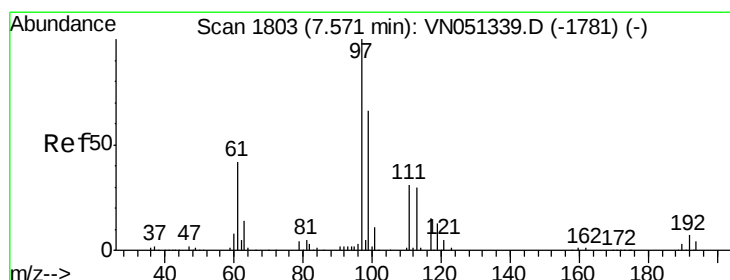
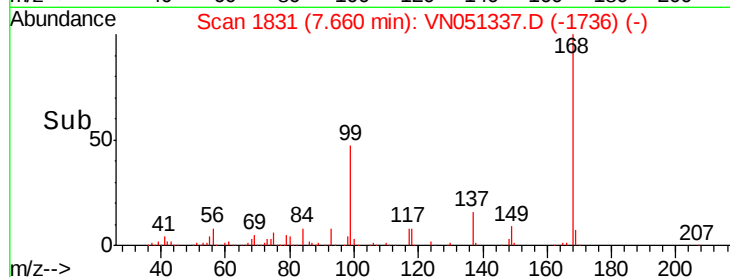
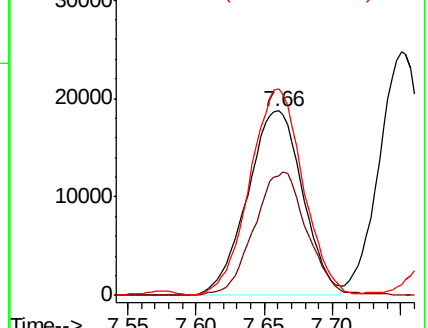
84 111.8 72.2 108.2#



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: 5.09 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

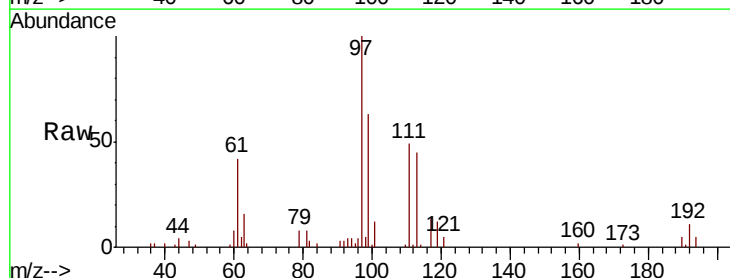
Tgt Ion: 97 Resp: 53939

Ion Ratio Lower Upper

97 100

99 66.2 51.1 76.7

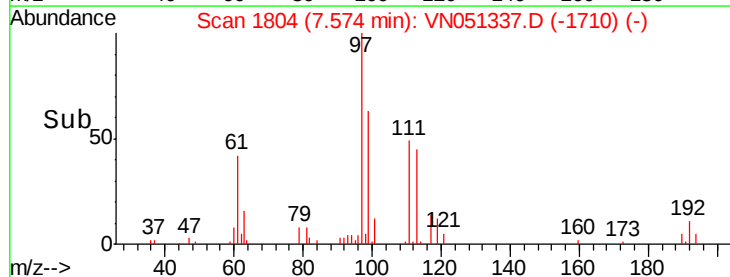
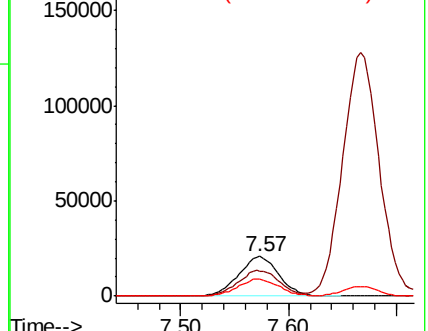
61 43.4 33.2 49.8

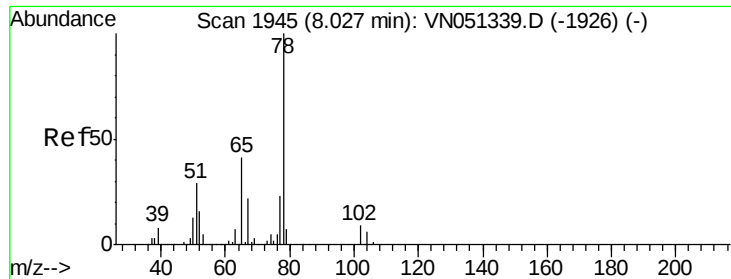


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

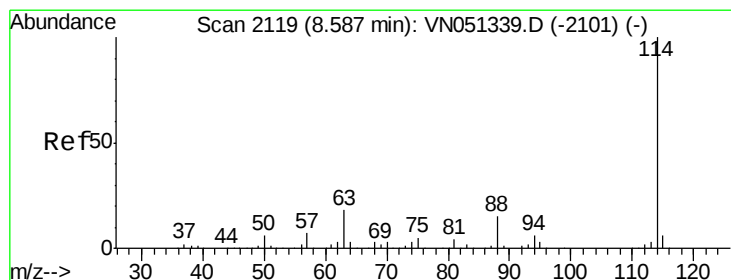
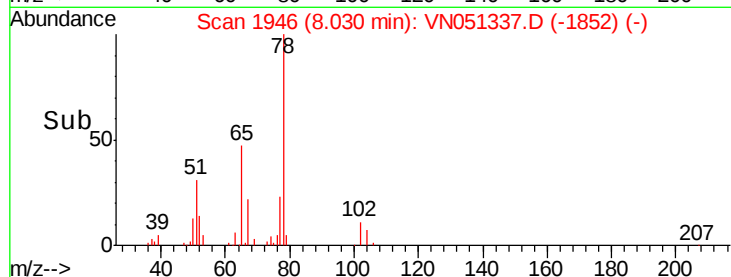
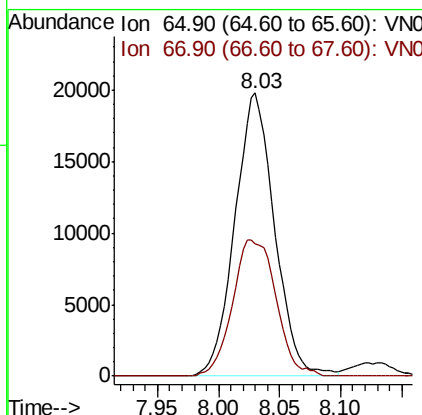
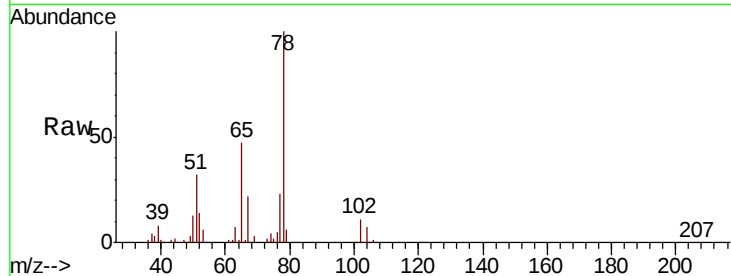




#33
 1,2-Dichloroethane-d4
 Concen: 6.24 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

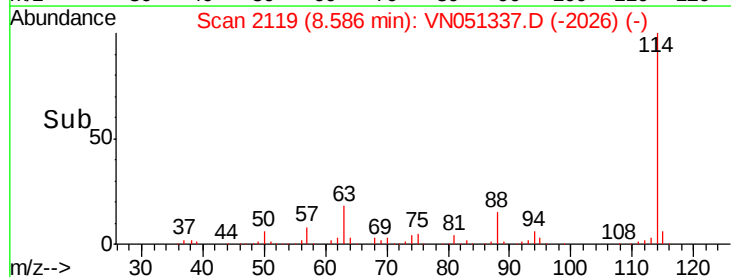
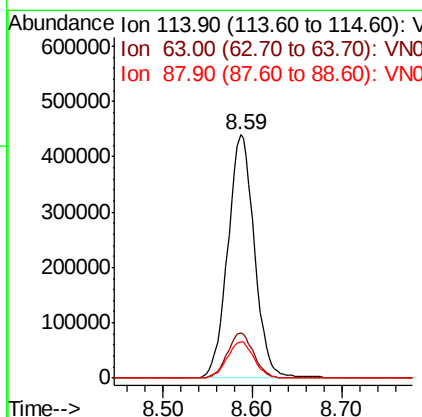
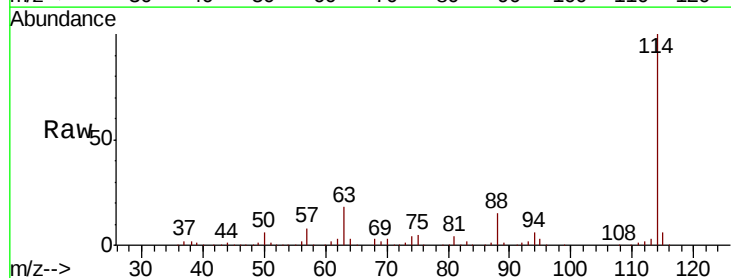
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

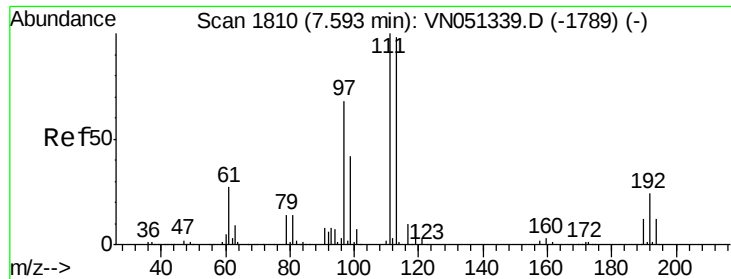
Tot Ion: 65 Resp: 44572
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion: 114 Resp: 909371
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.6
 88 15.0 0.0 29.8

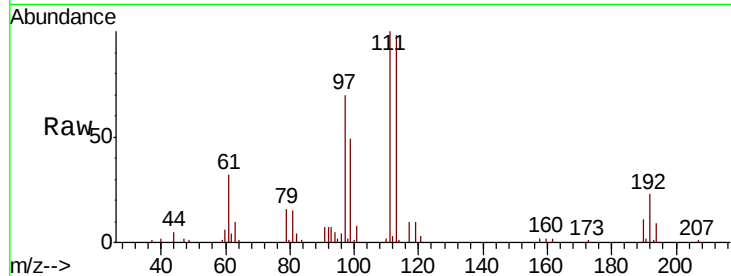




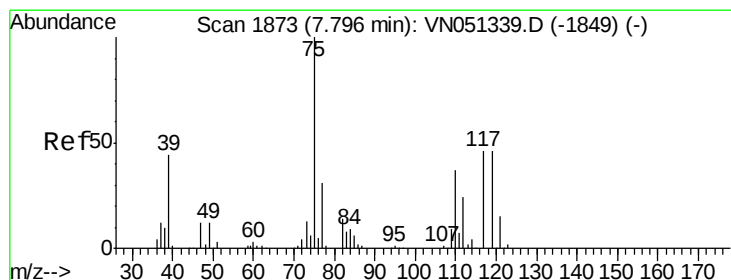
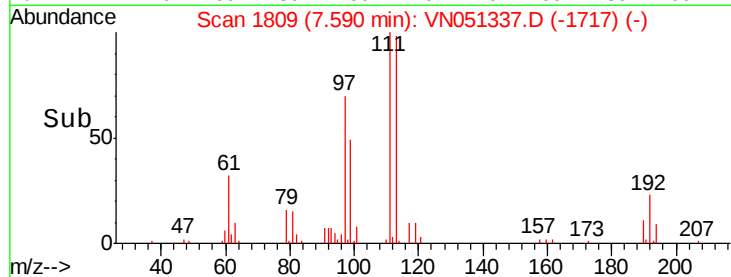
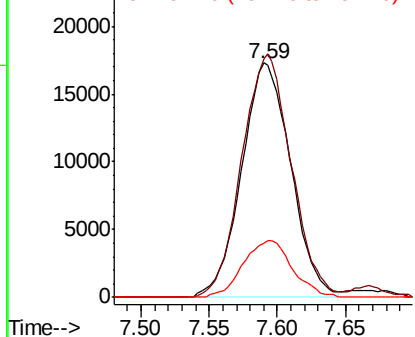
#35
 Dibromofluoromethane
 Concen: 5.90 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 43325
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.9 122.9
 192 24.2 19.8 29.6

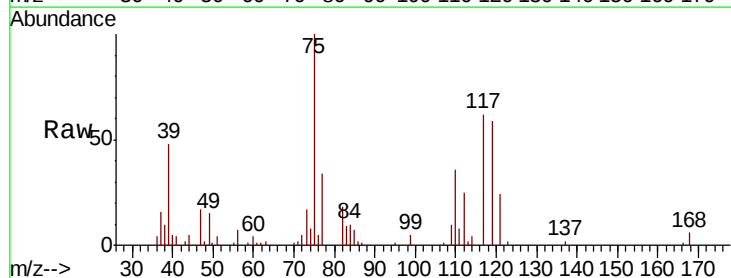


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

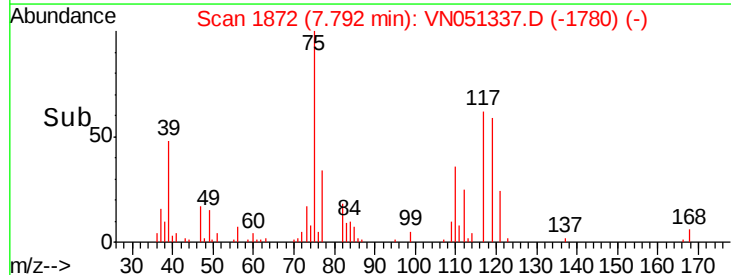
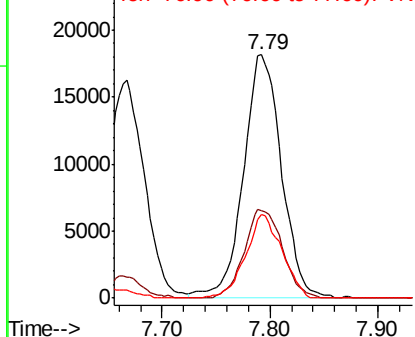


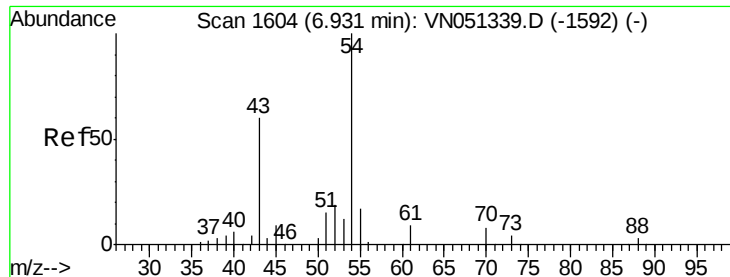
#36
 1,1-Dichloropropene
 Concen: 4.78 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion: 75 Resp: 44469
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.9 56.5
 77 32.7 25.4 38.2



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

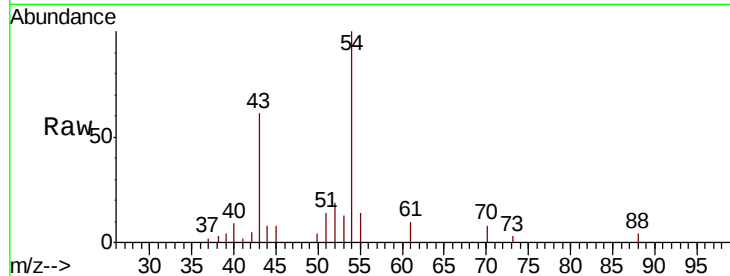




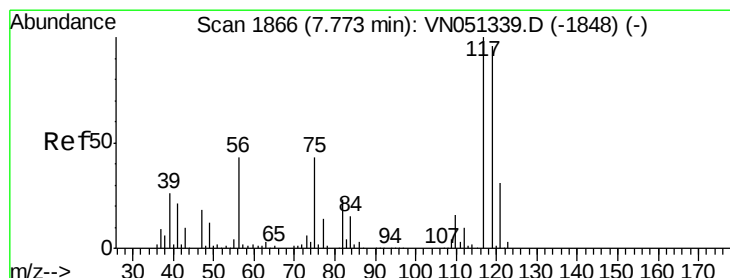
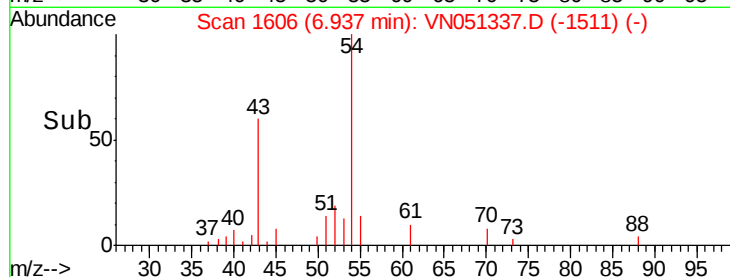
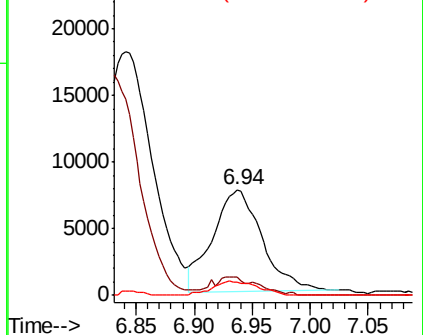
#37
Ethyl Acetate
Concen: 4.98 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 22935
Ion Ratio Lower Upper
43 100
61 16.7 13.6 20.4
70 12.5 9.4 14.2

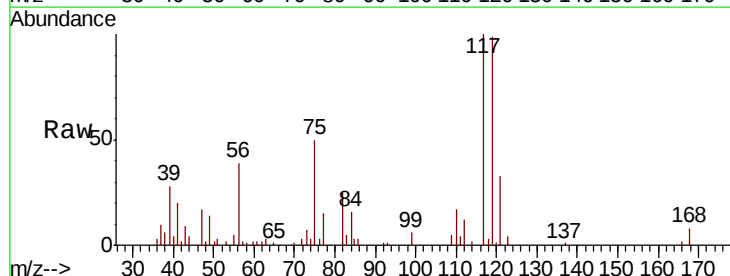


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

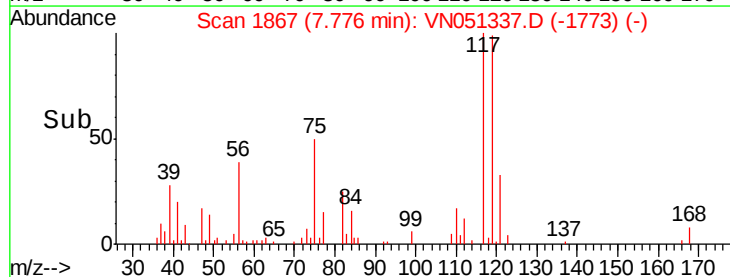
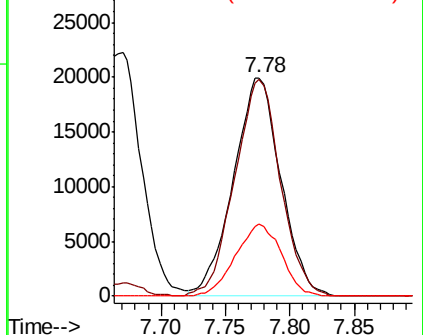


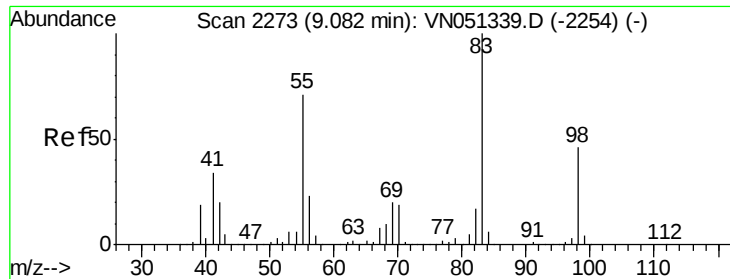
#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 117 Resp: 51090
Ion Ratio Lower Upper
117 100
119 99.2 77.0 115.4
121 33.0 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

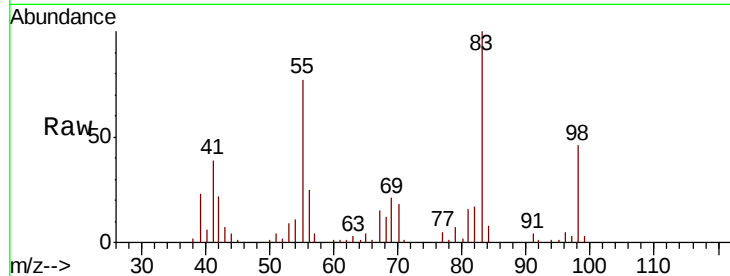




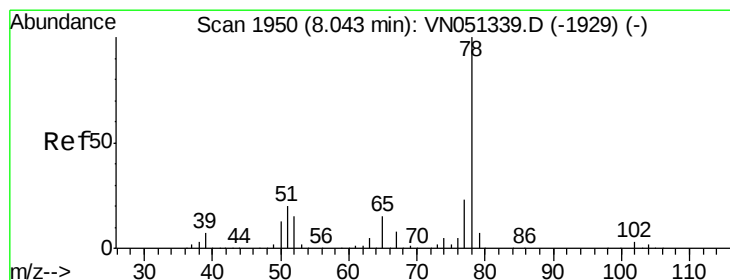
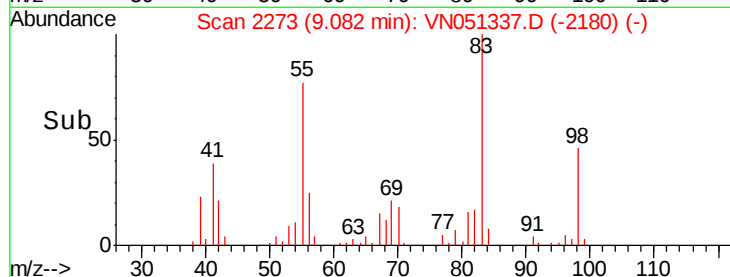
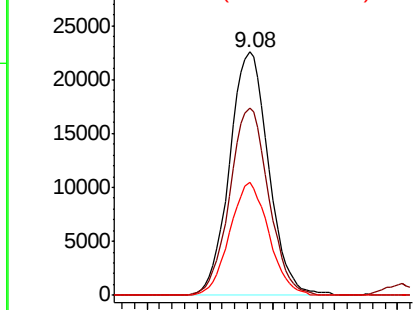
#39
Methvlcvclohexane
Concen: 4.49 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 48755
Ion Ratio Lower Upper
83 100
55 76.8 56.5 84.7
98 46.3 36.7 55.1

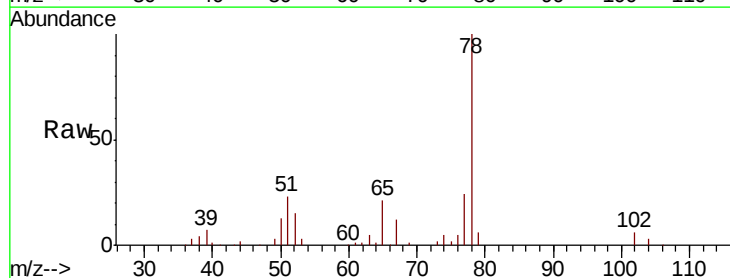


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

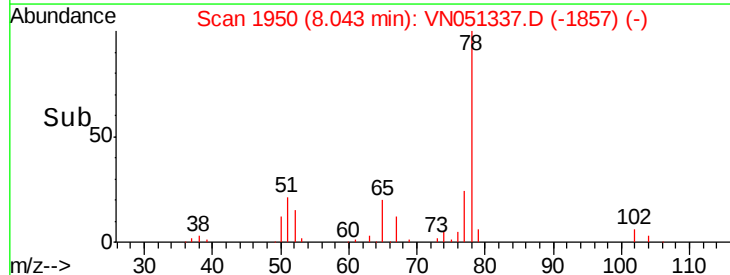
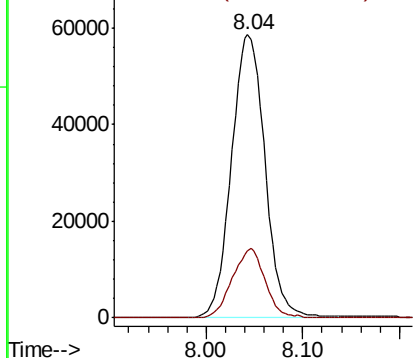


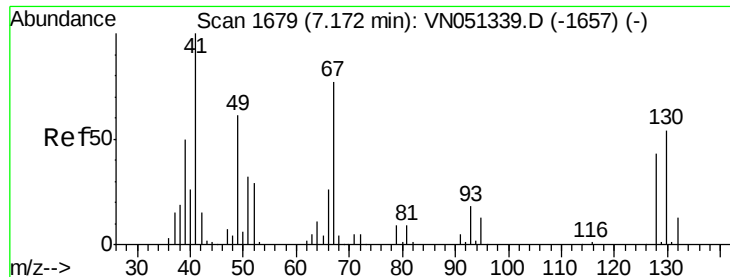
#40
Benzene
Concen: 5.05 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 78 Resp: 141506
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7



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





#41

Methacrylonitrile

Concen: 4.14 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 9930

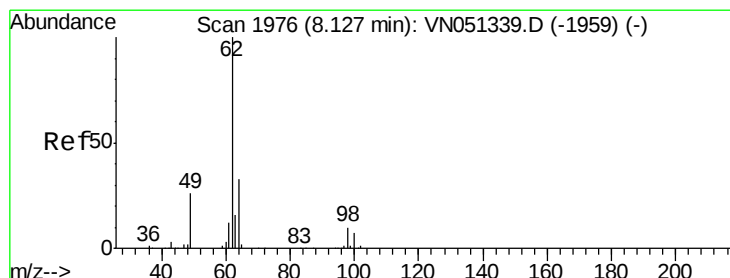
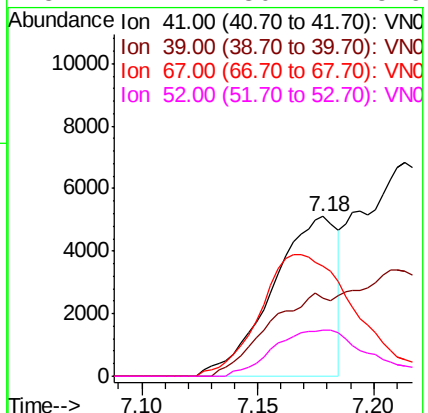
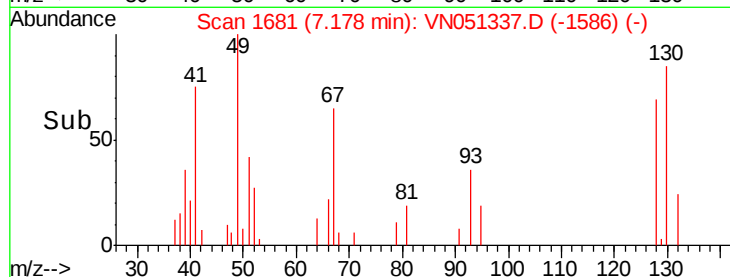
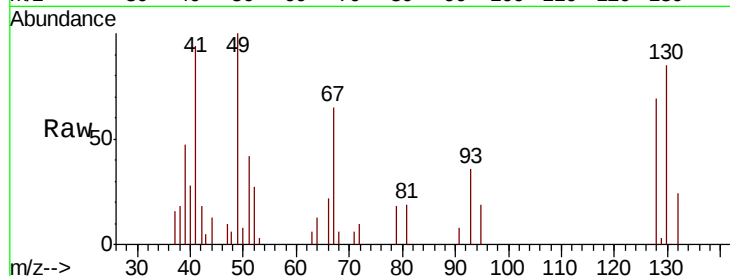
Ion Ratio Lower Upper

41 100

39 49.6 51.3 76.9#

67 110.8 77.0 115.4

52 42.1 30.4 45.6



#42

1,2-Dichloroethane

Concen: 5.17 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN051337.D

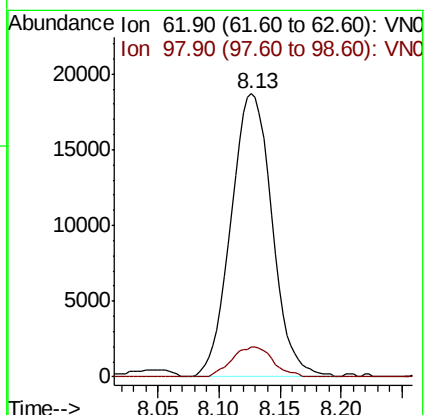
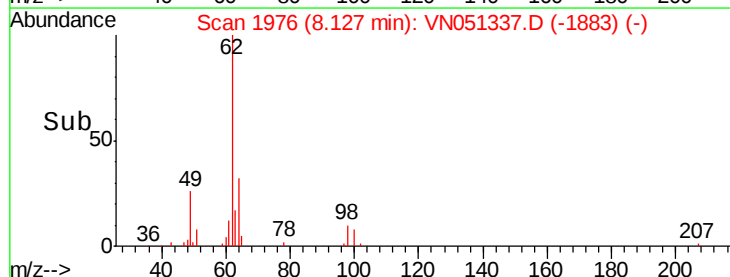
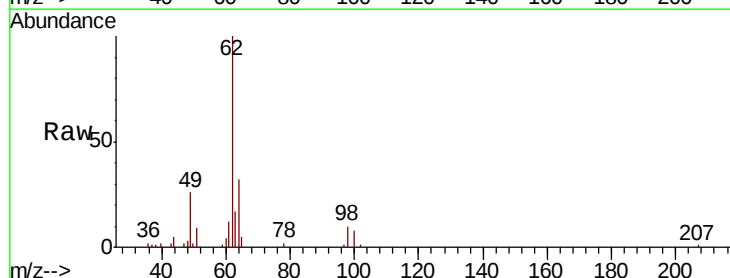
Acq: 20 Sep 2018 13:52

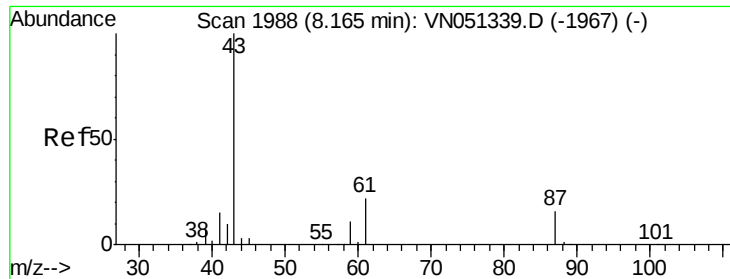
Tgt Ion: 62 Resp: 43794

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 5.26 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

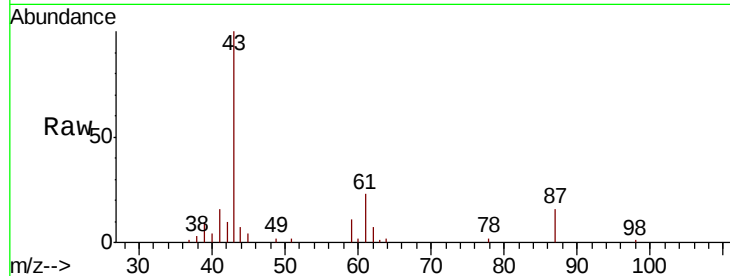
Tot Ion: 43 Resp: 42415

Ion Ratio Lower Upper

43 100

61 33.3 18.1 27.1#

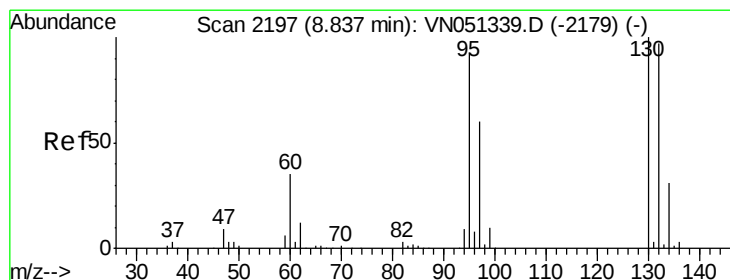
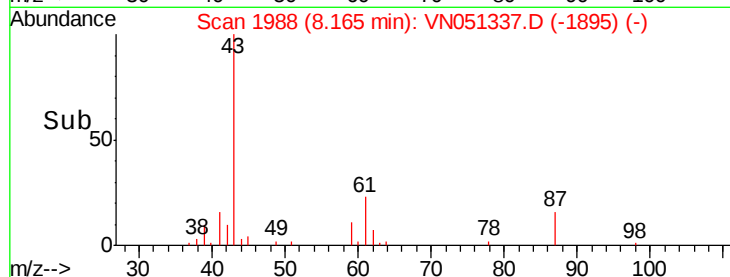
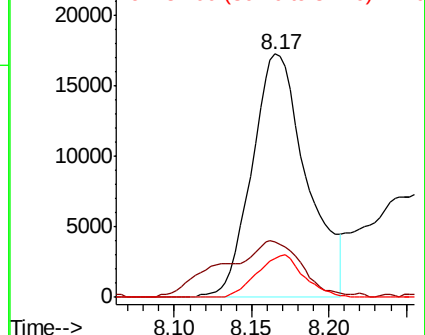
87 14.8 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VN051337.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051337.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051337.D (-1967) (-)



#44

Trichloroethene

Concen: 5.06 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051337.D

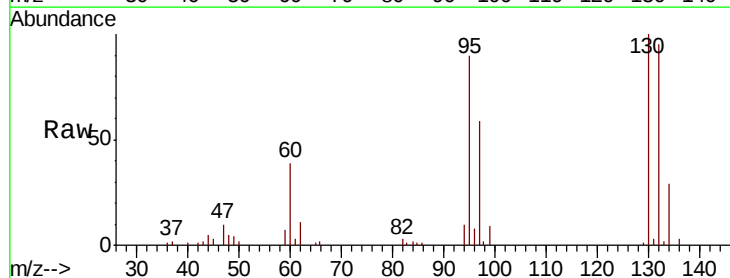
Acq: 20 Sep 2018 13:52

Tgt Ion: 130 Resp: 40749

Ion Ratio Lower Upper

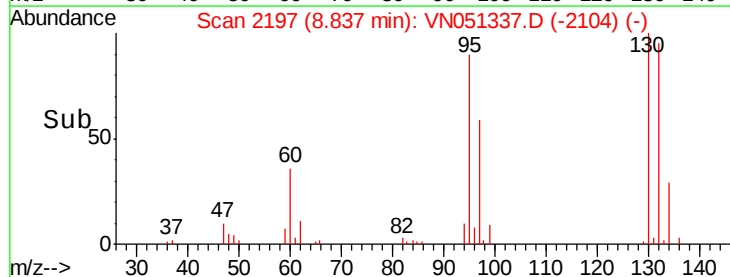
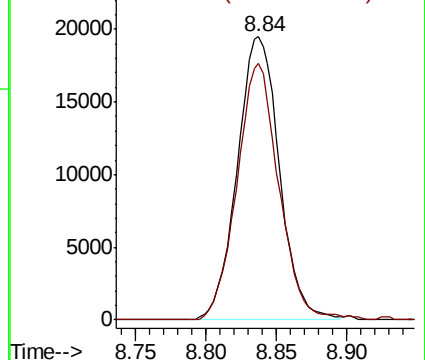
130 100

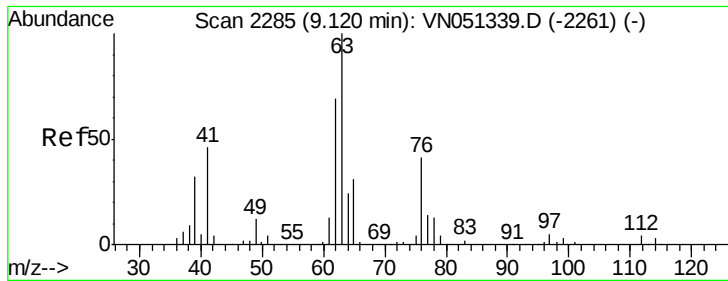
95 90.4 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VN051337.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051337.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 5.23 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

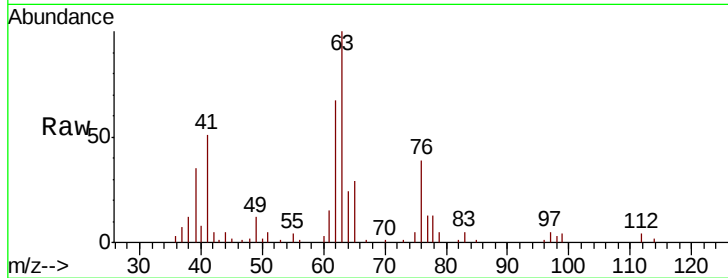
VSTDIC005

Tot Ion: 63 Resp: 37532

Ion Ratio Lower Upper

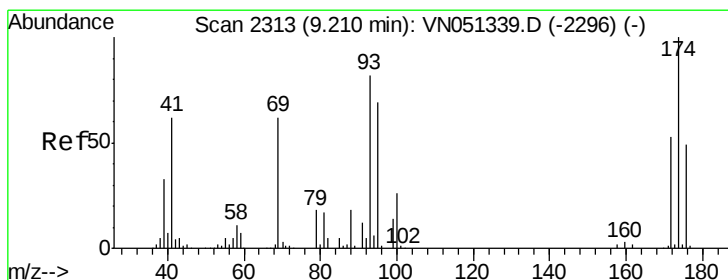
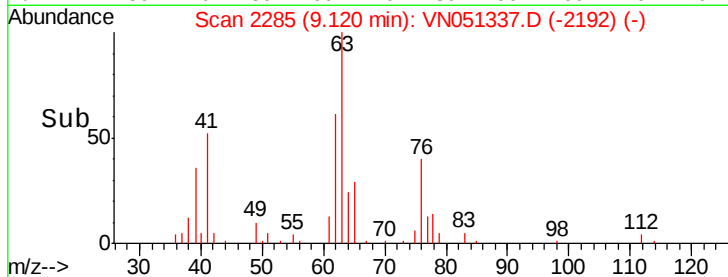
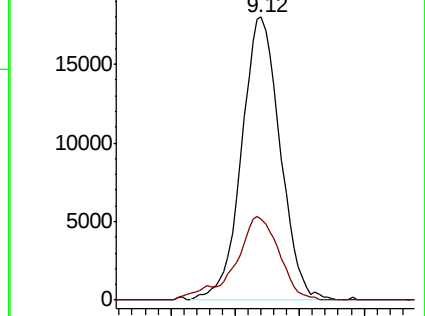
63 100

65 28.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.13 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

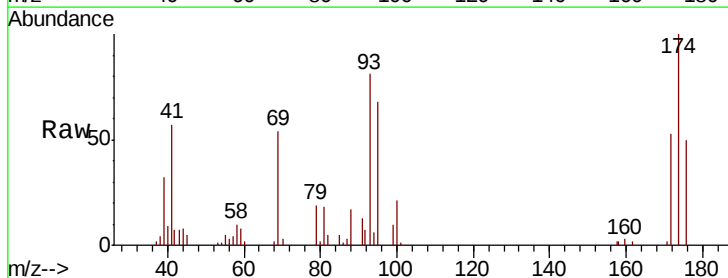
Tgt Ion: 93 Resp: 22691

Ion Ratio Lower Upper

93 100

95 84.6 67.6 101.4

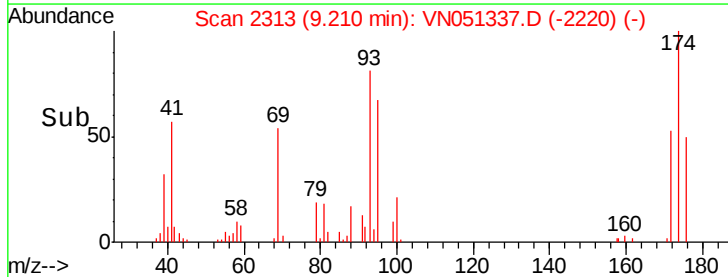
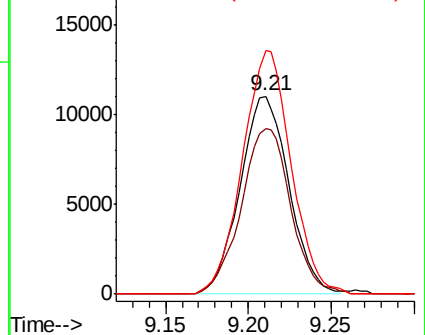
174 122.4 98.9 148.3

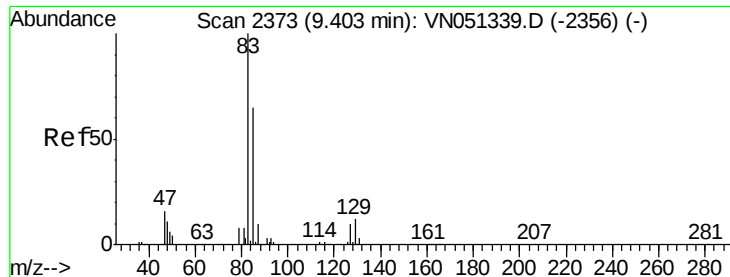


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.92 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

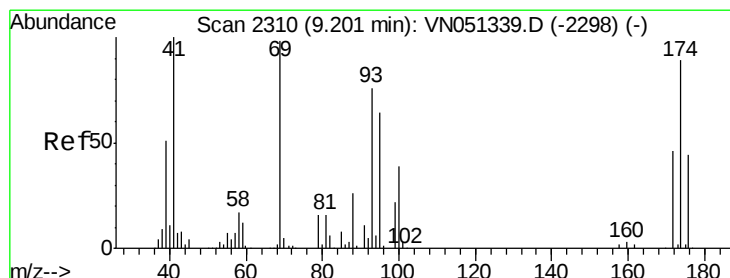
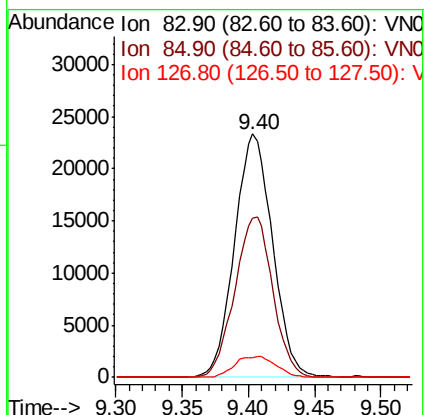
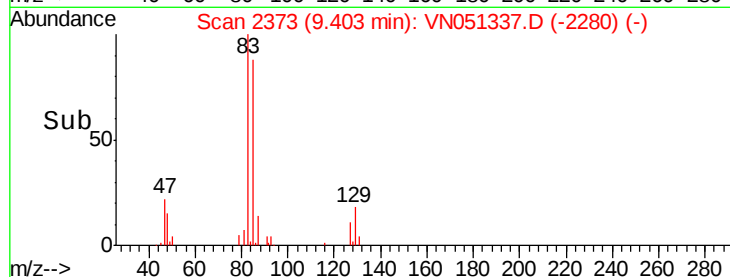
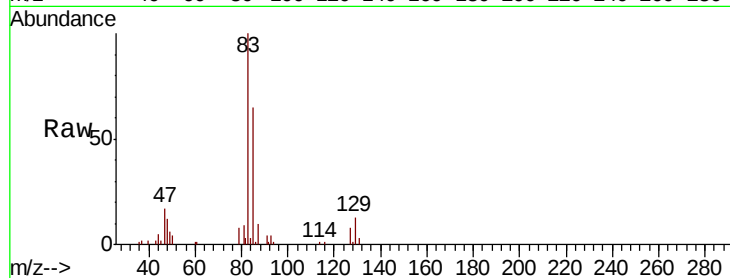
Tot Ion: 83 Resp: 46407

Ion Ratio Lower Upper

83 100

85 65.2 51.6 77.4

127 8.3 7.8 11.6



#48

Methyl methacrylate

Concen: 4.83 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

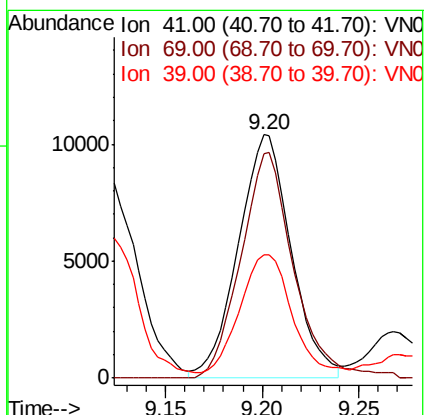
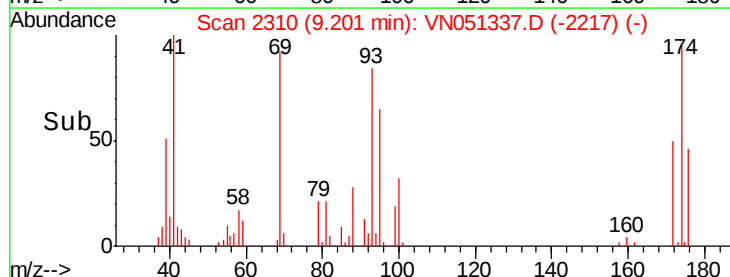
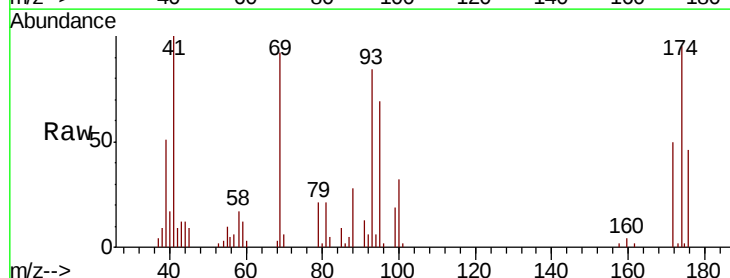
Tgt Ion: 41 Resp: 19849

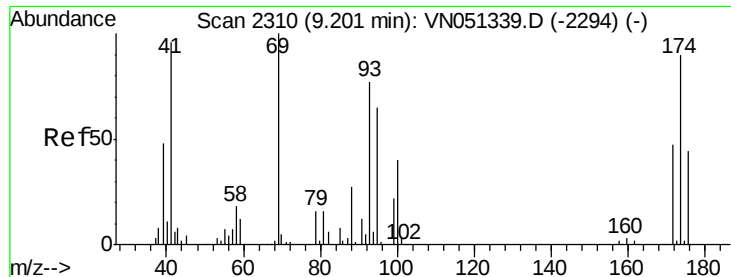
Ion Ratio Lower Upper

41 100

69 92.9 79.4 119.0

39 49.4 43.0 64.6

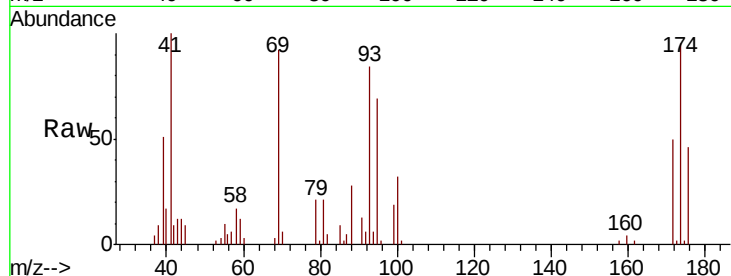




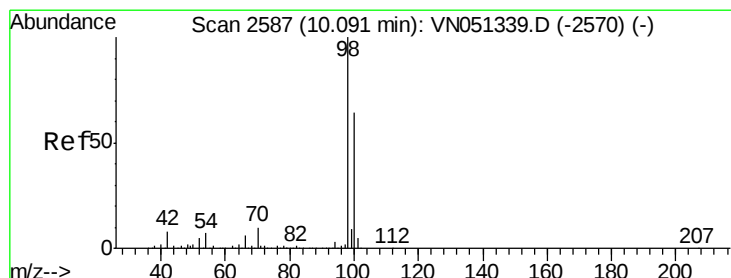
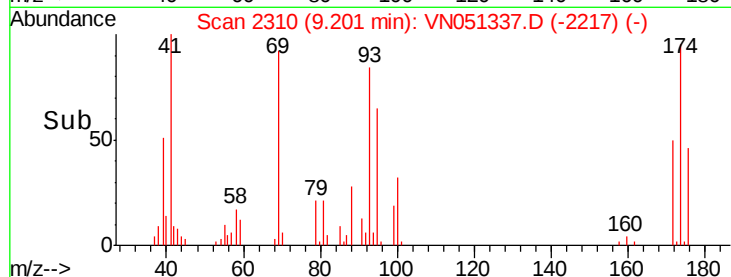
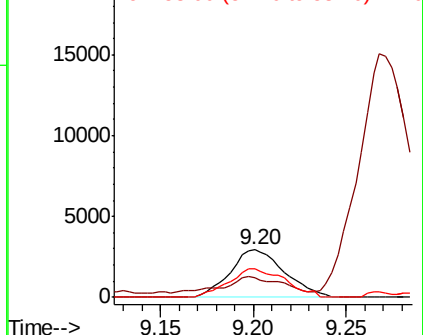
#49
1,4-Dioxane
Concen: 98.57 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 5993
Ion Ratio Lower Upper
88 100
43 32.4 23.5 35.3
58 62.1 52.1 78.1

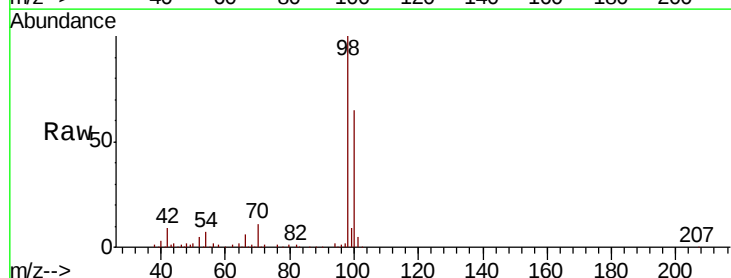


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

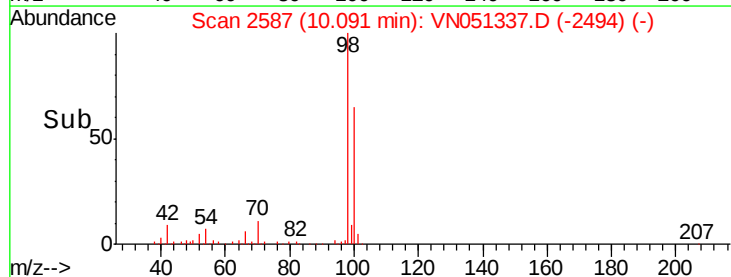
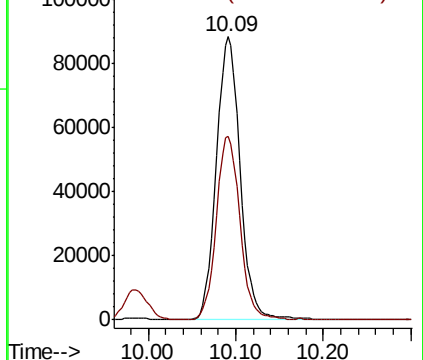


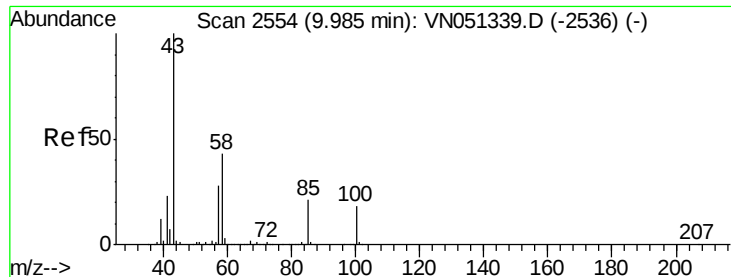
#50
Toluene-d8
Concen: 5.92 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 98 Resp: 167379
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



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

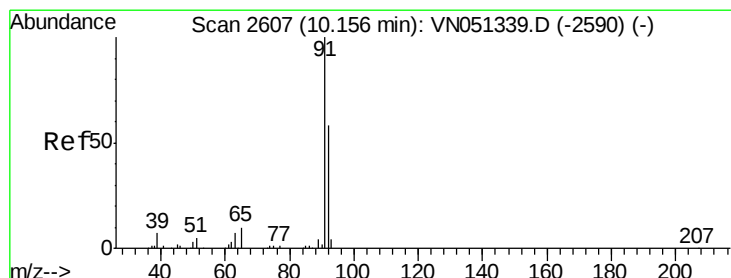
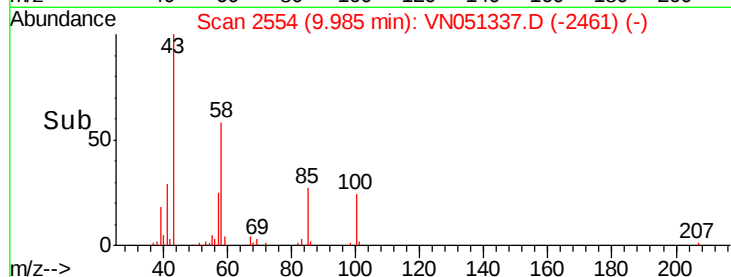
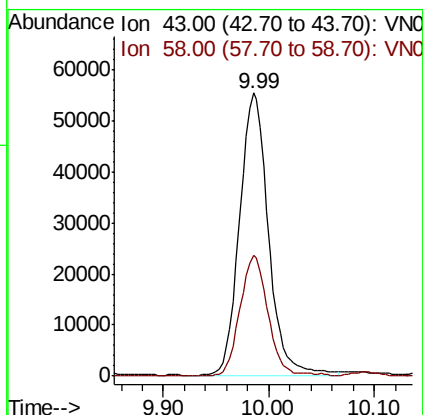
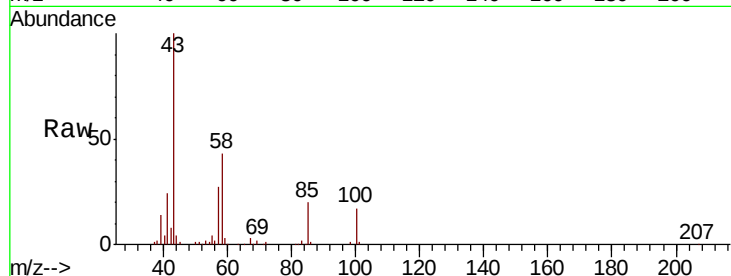




#51
 4-Methyl-2-Pentanone
 Concen: 24.23 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

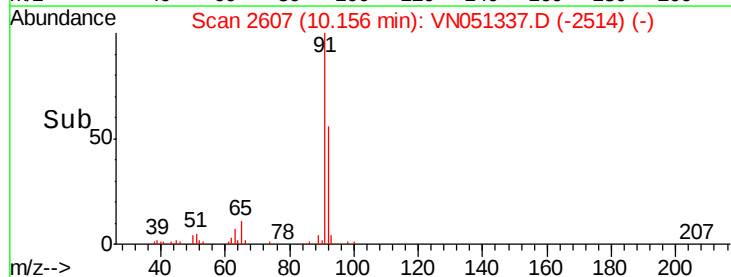
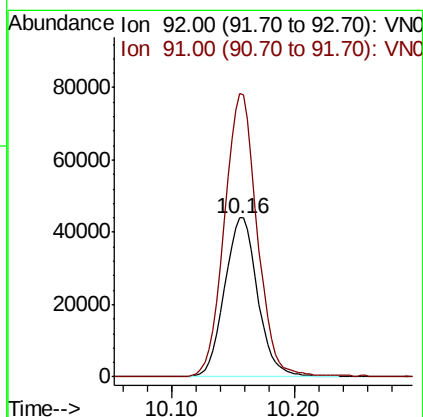
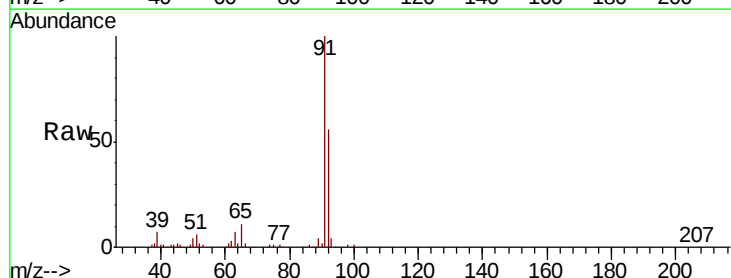
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

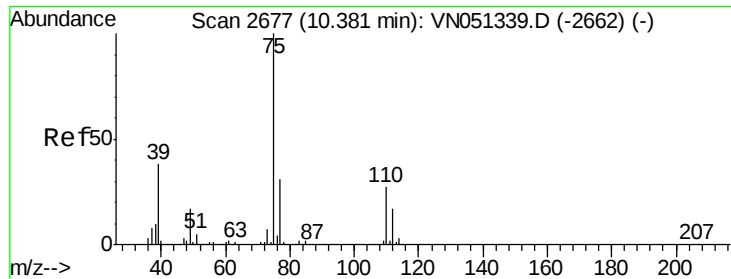
Tot Ion: 43 Resp: 105112
 Ion Ratio Lower Upper
 43 100
 58 41.0 34.2 51.4



#52
 Toluene
 Concen: 4.85 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion: 92 Resp: 83746
 Ion Ratio Lower Upper
 92 100
 91 175.6 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 4.63 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

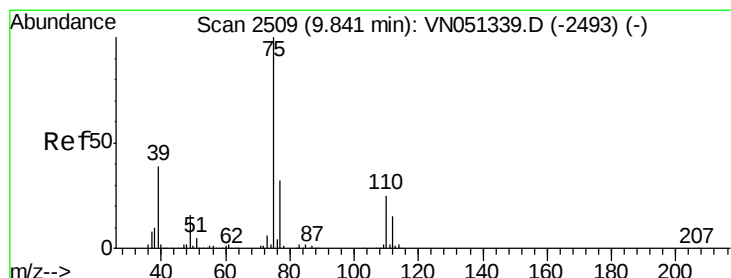
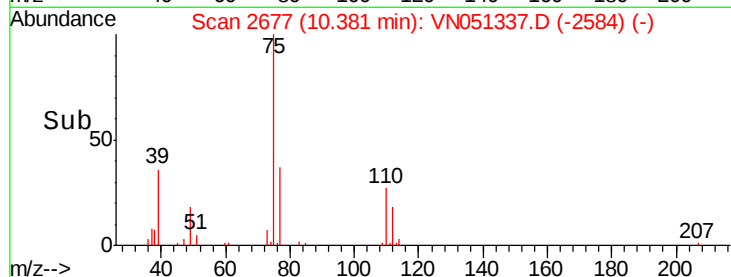
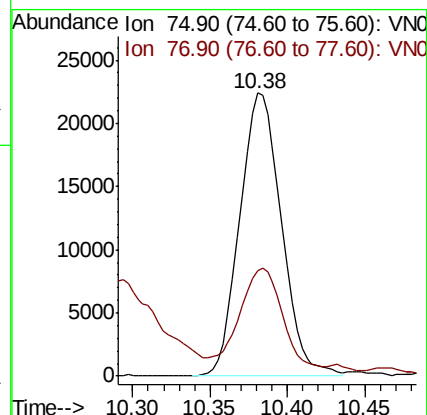
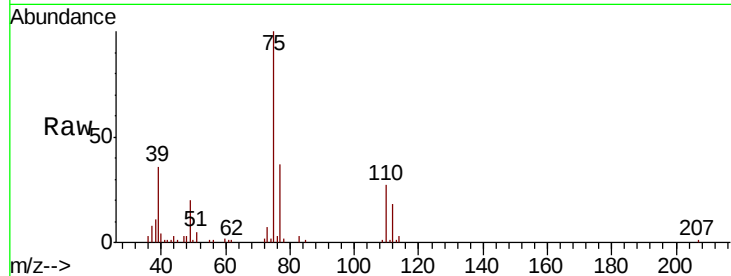
VSTDIC005

Tot Ion: 75 Resp: 41952

Ion Ratio Lower Upper

75 100

77 33.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.79 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

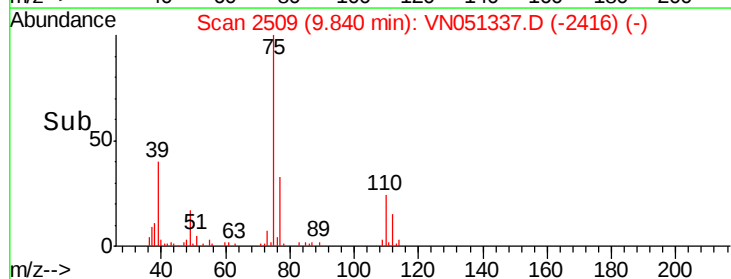
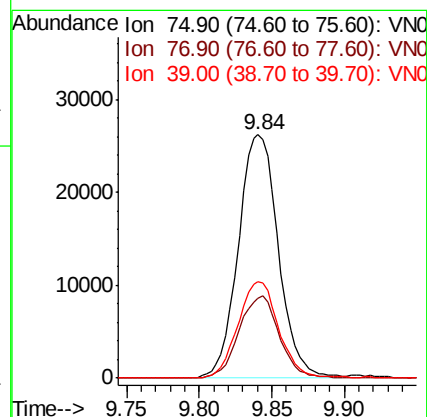
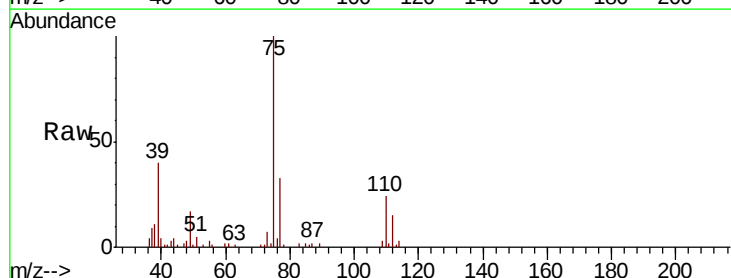
Tgt Ion: 75 Resp: 50220

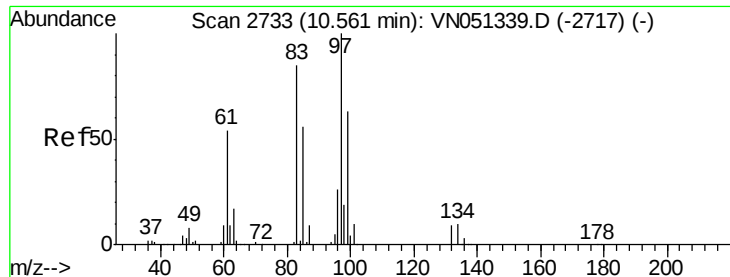
Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

39 39.8 31.0 46.4

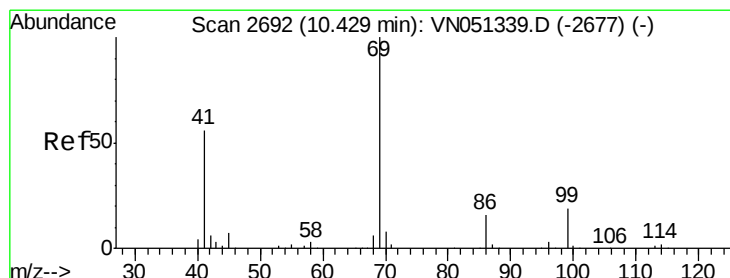
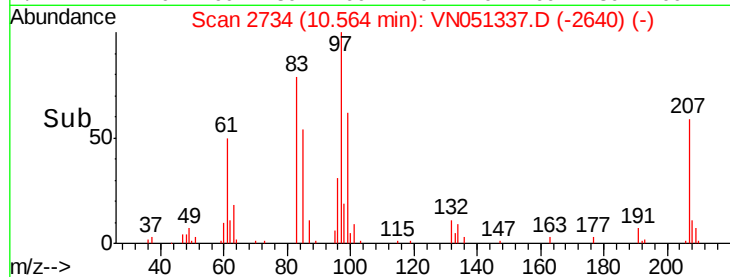
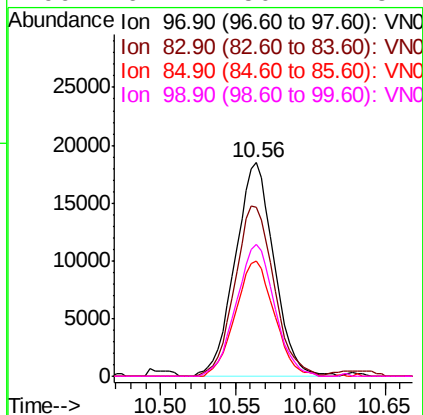
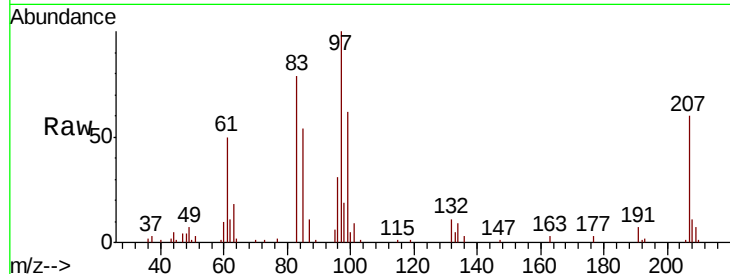




#55
 1,1,2-Trichloroethane
 Concen: 5.15 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

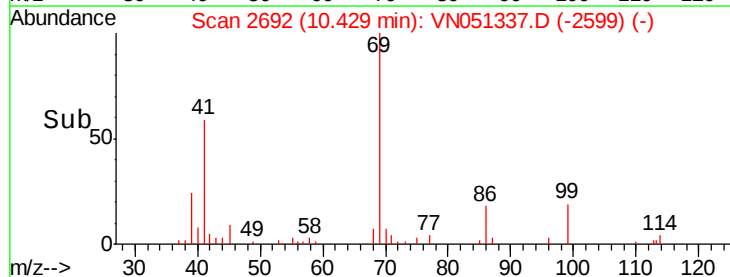
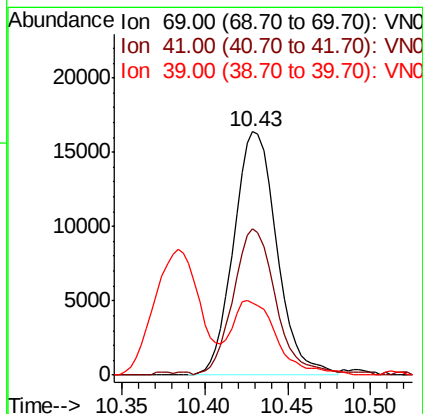
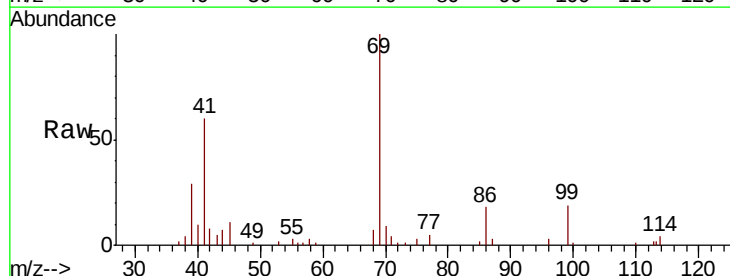
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

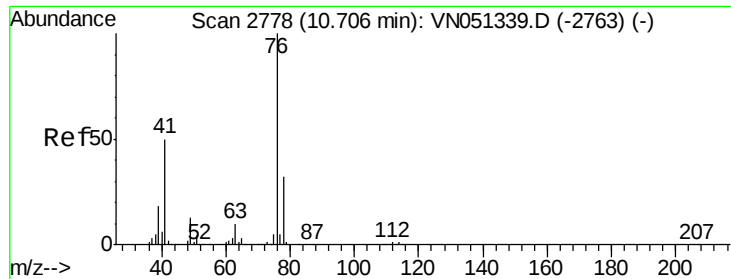
Tot Ion:	97	Resp:	33347
Ion	Ratio	Lower	Upper
97	100		
83	79.2	68.1	102.1
85	53.8	44.6	66.8
99	61.7	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 4.34 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion:	69	Resp:	29671
Ion	Ratio	Lower	Upper
69	100		
41	59.4	45.1	67.7
39	32.1	23.4	35.2

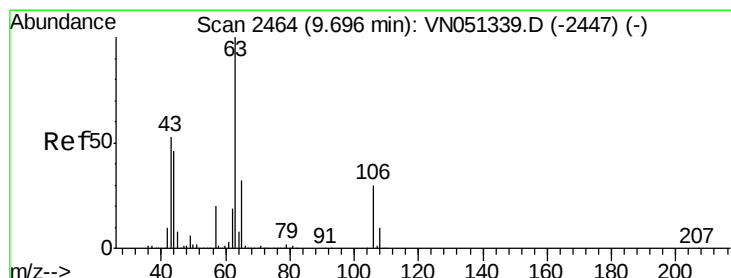
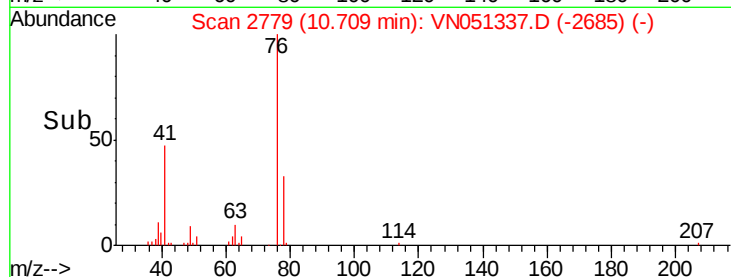
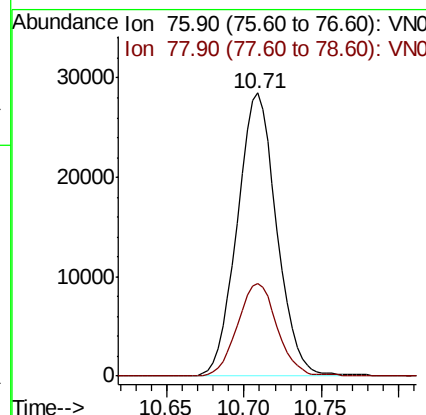
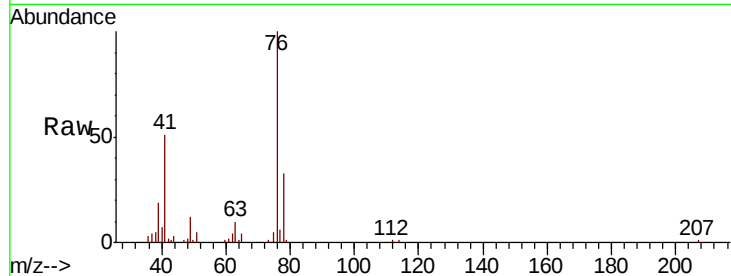




#57
 1,3-Dichloropropane
 Concen: 4.95 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

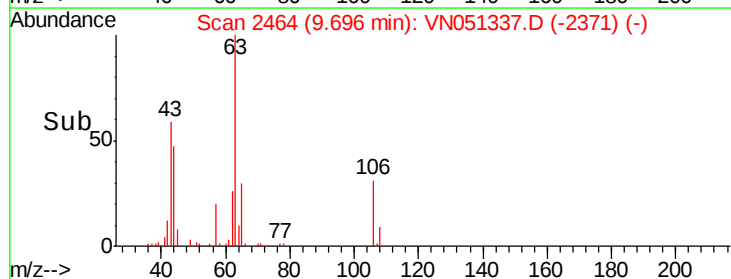
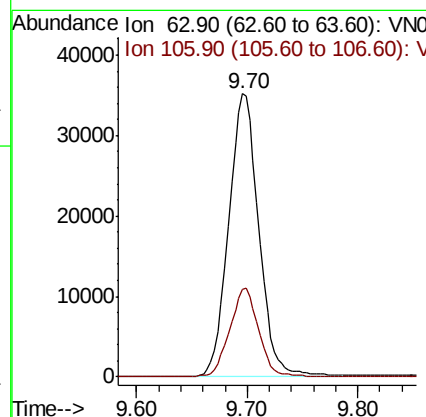
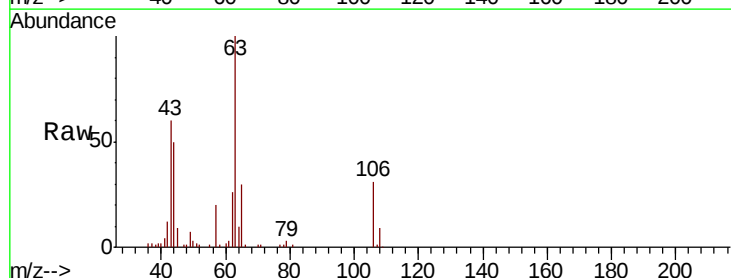
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

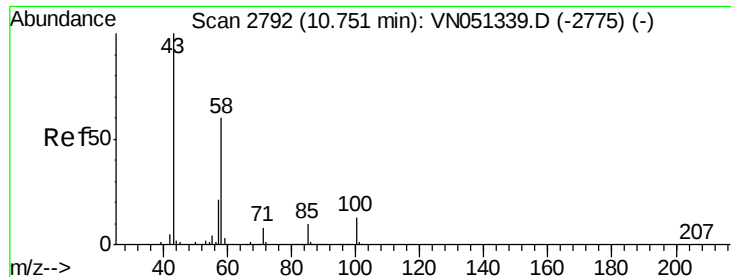
Tot Ion: 76 Resp: 50425
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.87 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion: 63 Resp: 66808
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.7 35.5

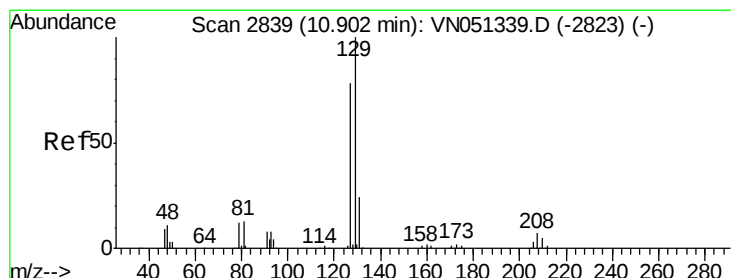
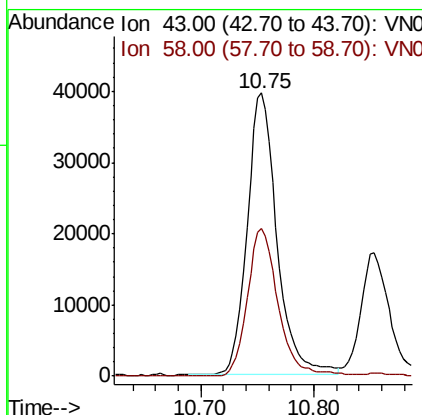
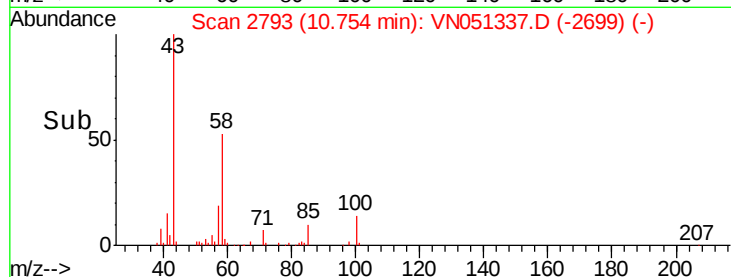
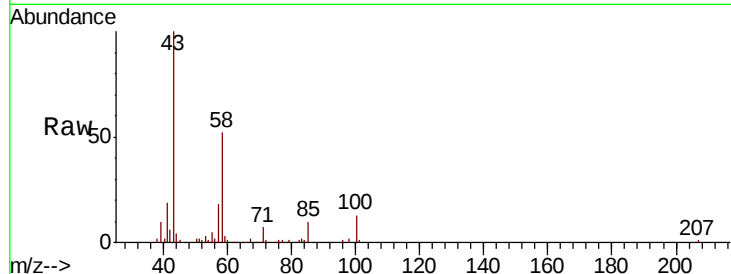




#59
2-Hexanone
Concen: 24.88 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

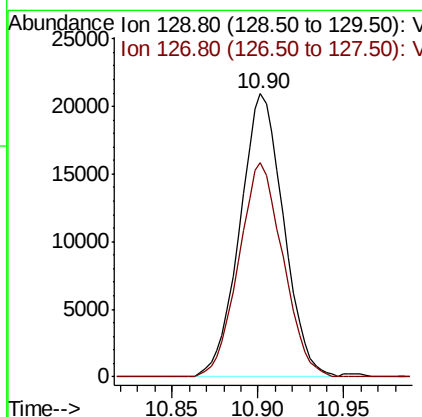
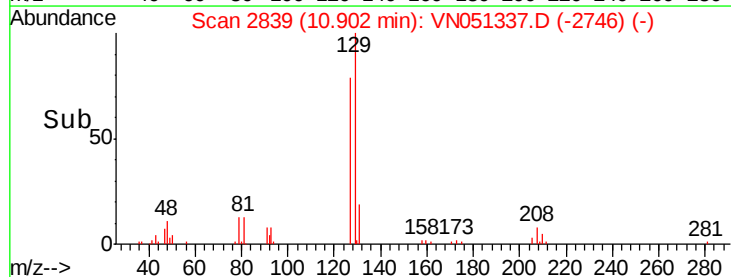
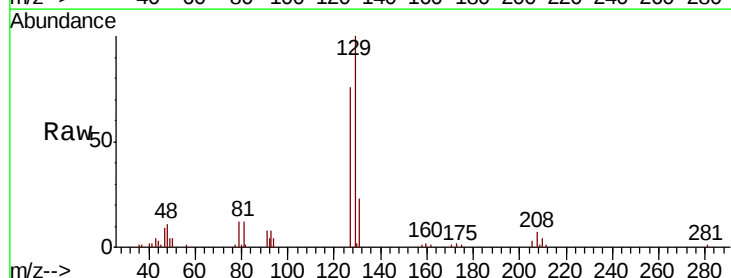
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

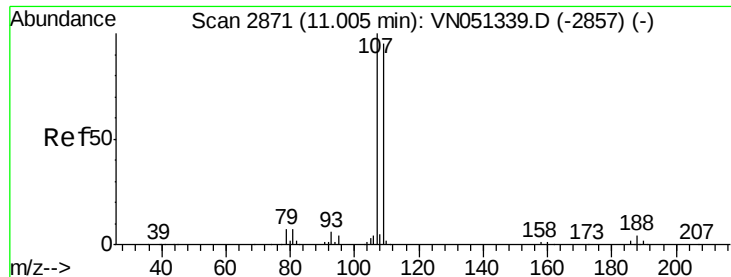
Tot Ion: 43 Resp: 72769
Ion Ratio Lower Upper
43 100
58 53.8 29.9 89.8



#60
Dibromochloromethane
Concen: 4.89 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 129 Resp: 36900
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.92 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

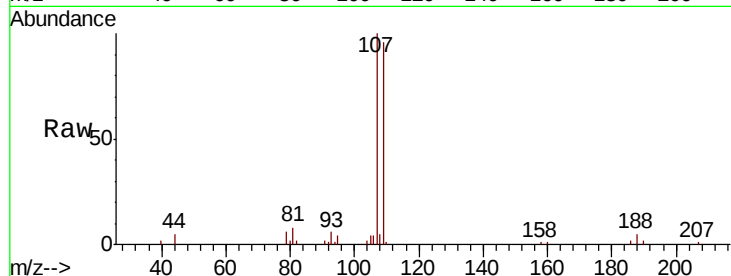
VSTDIC005

Tot Ion:107 Resp: 30641

Ion Ratio Lower Upper

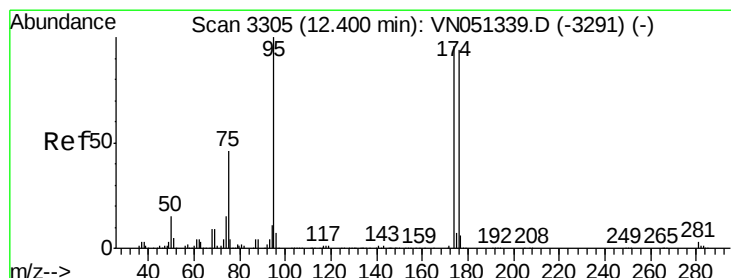
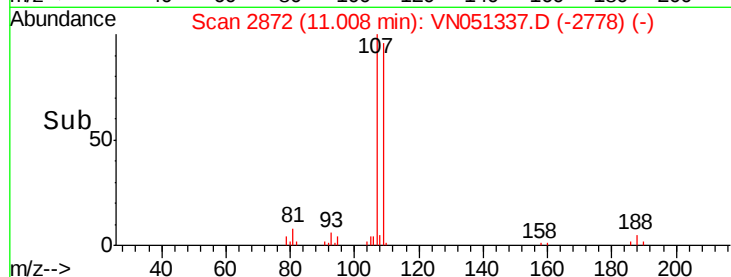
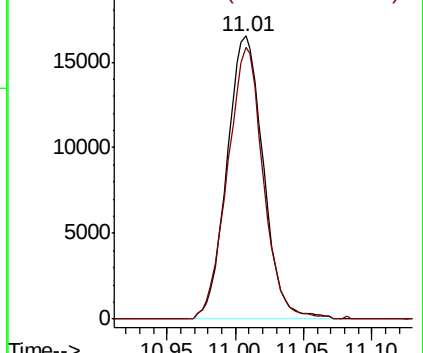
107 100

109 94.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.54 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

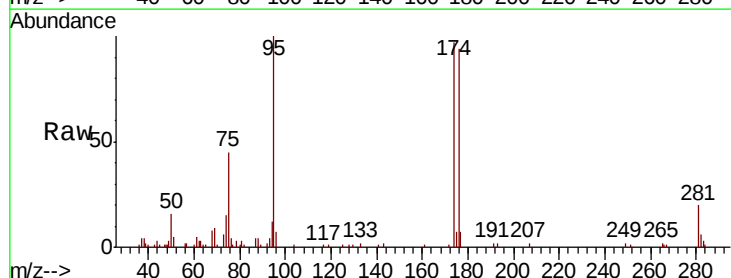
Tgt Ion: 95 Resp: 50909

Ion Ratio Lower Upper

95 100

174 95.4 0.0 194.6

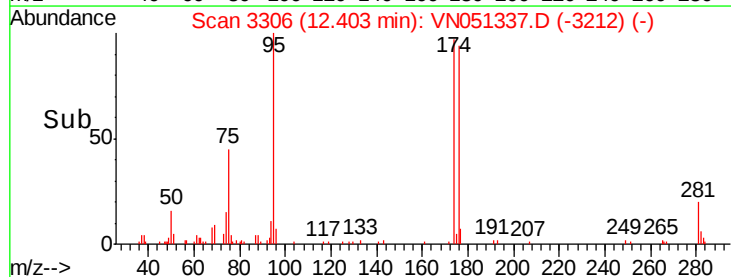
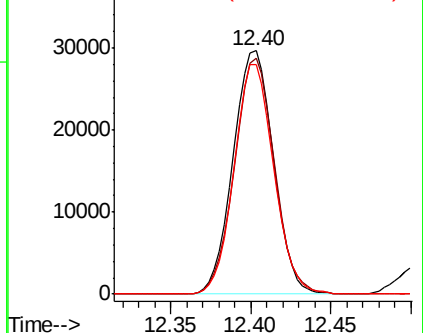
176 92.9 0.0 189.6

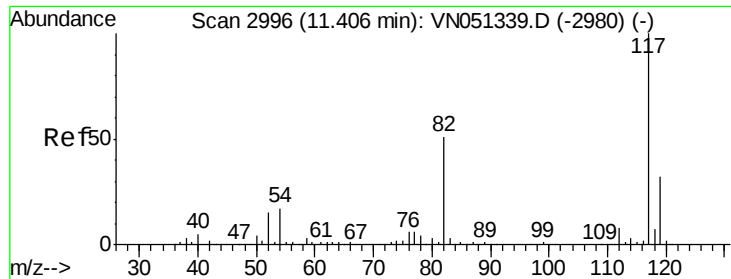


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

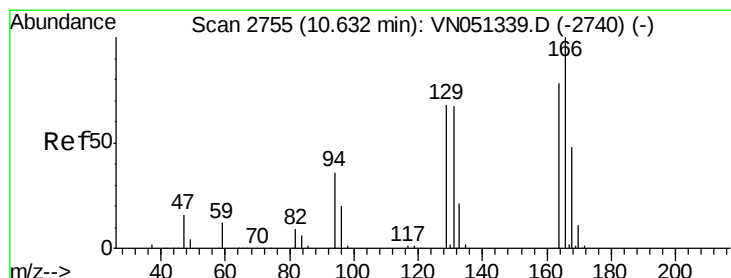
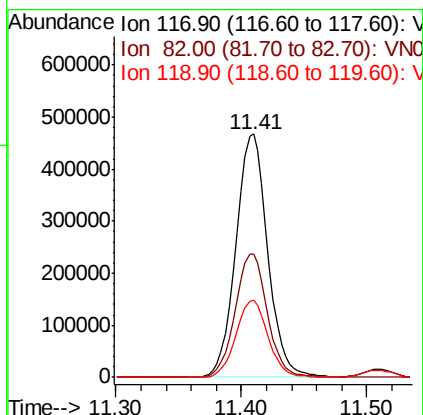
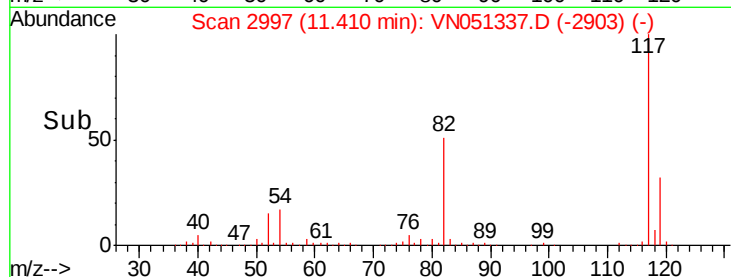
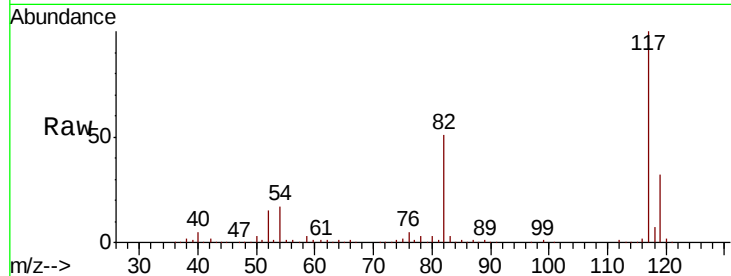




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

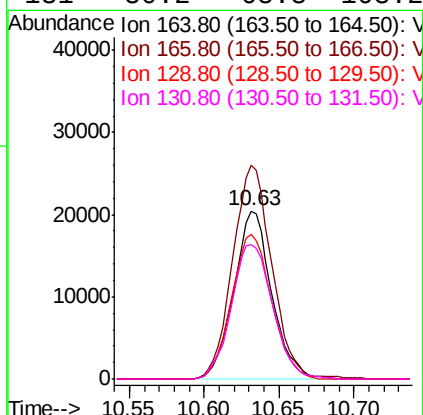
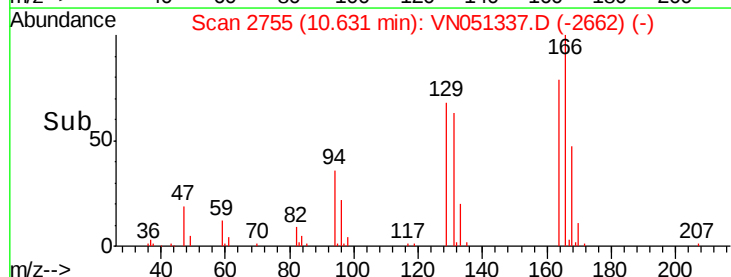
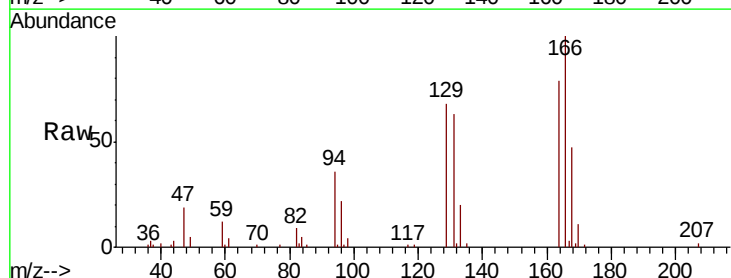
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

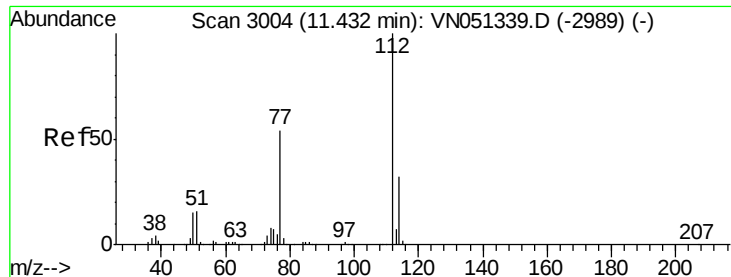
Tot Ion:117 Resp: 822682
Ion Ratio Lower Upper
117 100
82 50.7 40.7 61.1
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 5.03 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion:164 Resp: 36073
Ion Ratio Lower Upper
164 100
166 127.3 102.1 153.1
129 86.5 69.4 104.2
131 80.2 68.8 103.2

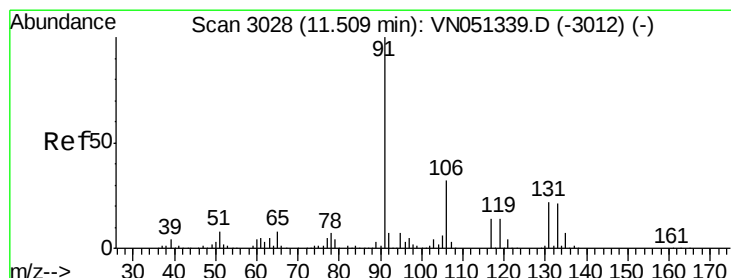
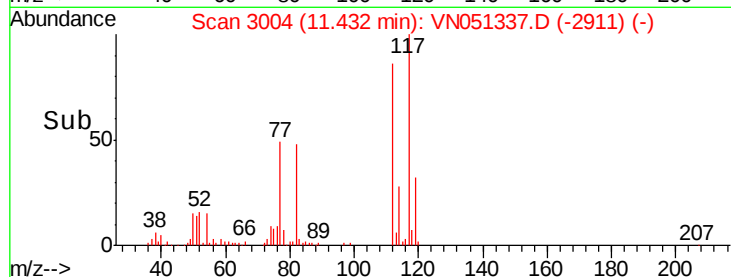
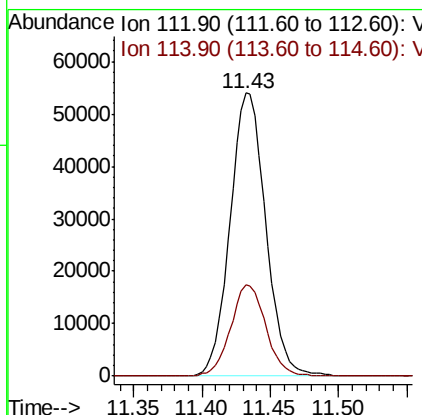
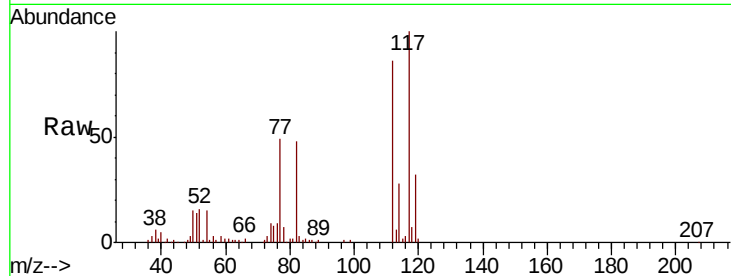




#65
Chlorobenzene
Concen: 4.99 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

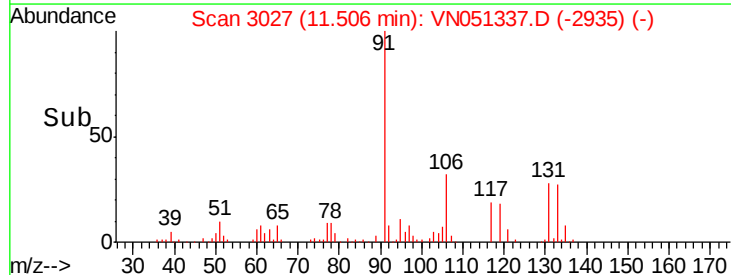
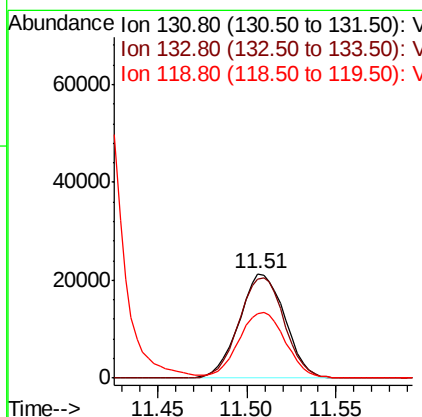
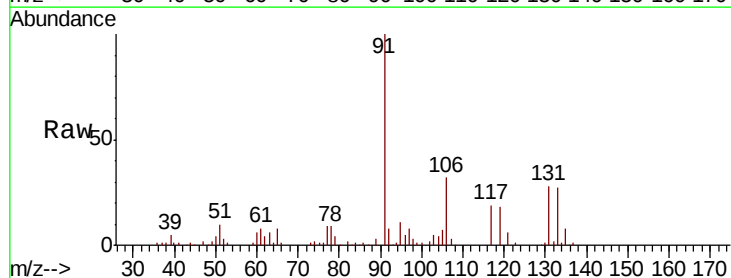
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

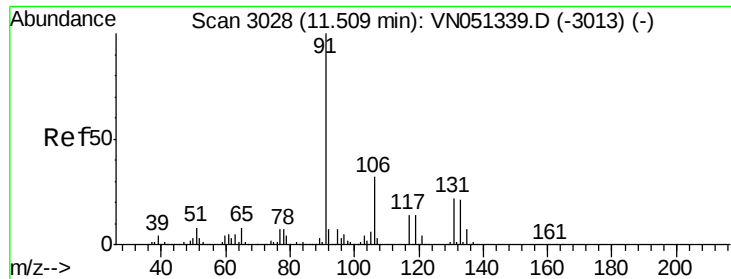
Tot Ion:112 Resp: 98109
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.11 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion:131 Resp: 38239
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.2
119 64.2 32.6 97.7

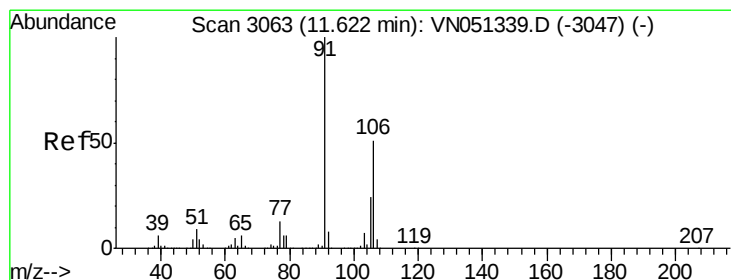
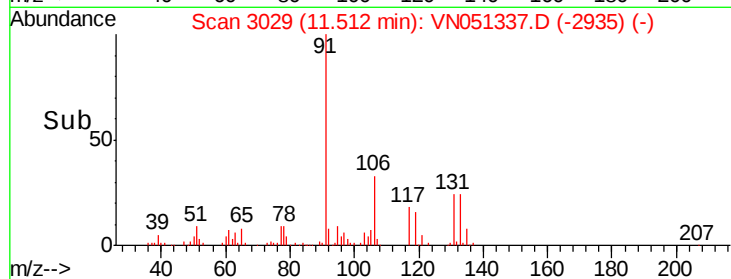
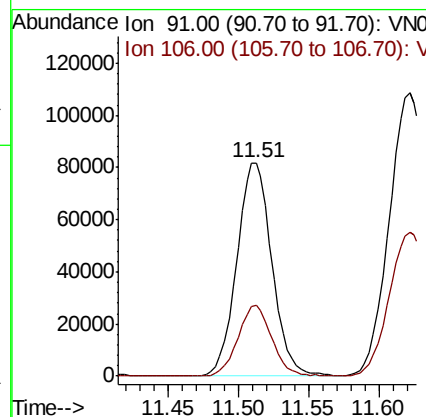
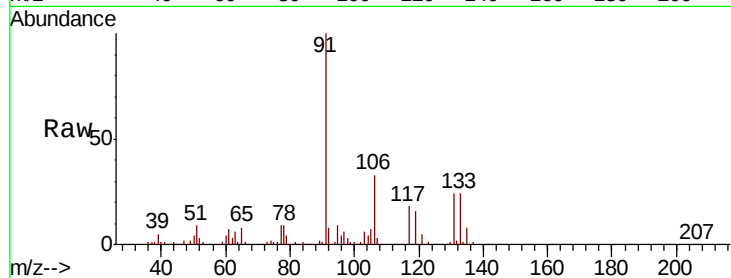




#67
Ethyl Benzene
Concen: 4.63 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

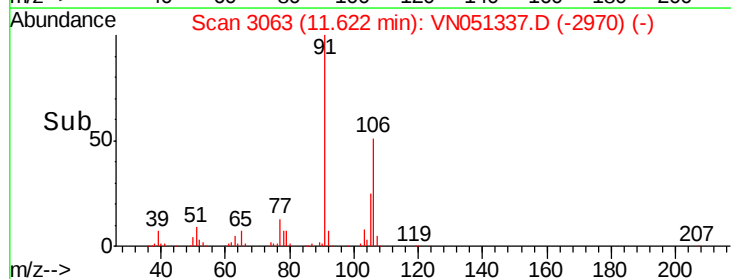
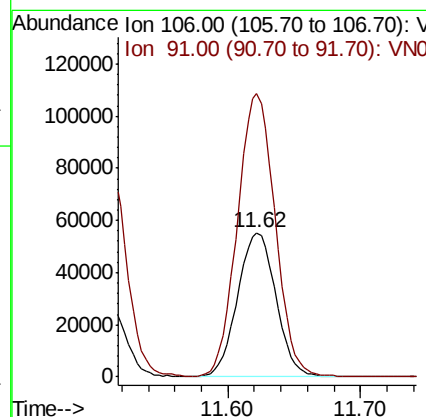
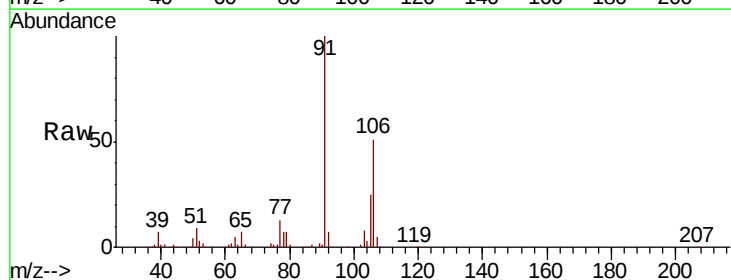
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

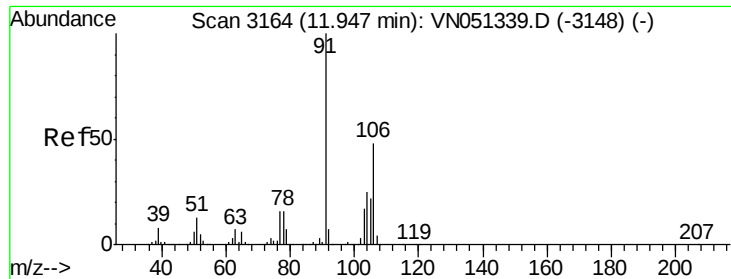
Tot Ion: 91 Resp: 142297
Ion Ratio Lower Upper
91 100
106 33.3 25.8 38.8



#68
m/p-Xylenes
Concen: 9.18 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 106 Resp: 110871
Ion Ratio Lower Upper
106 100
91 193.8 156.5 234.7

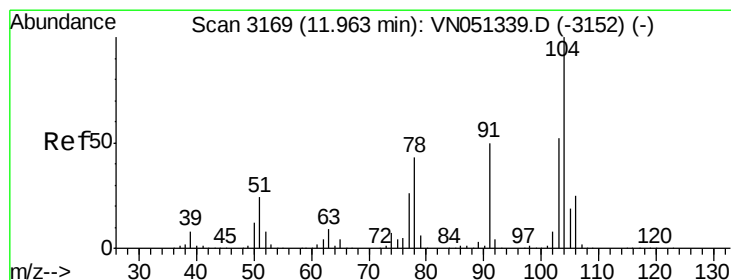
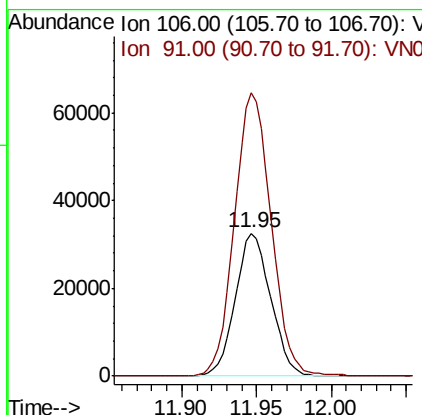
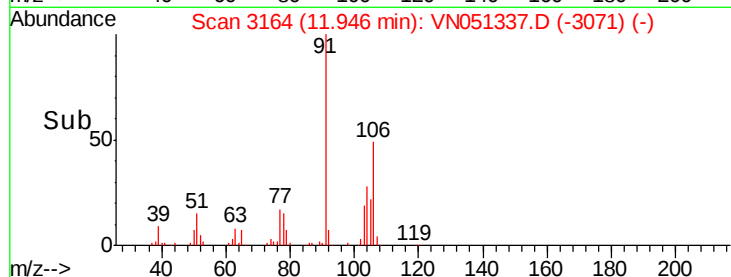
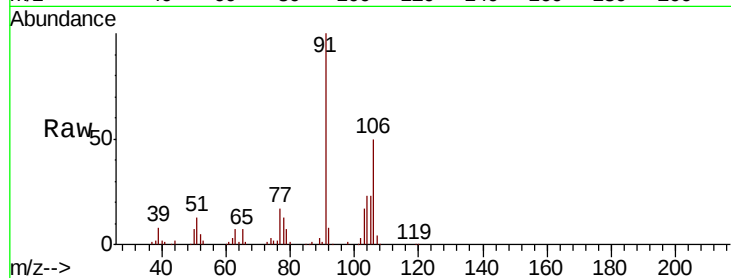




#69
o-Xylene
Concen: 4.61 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

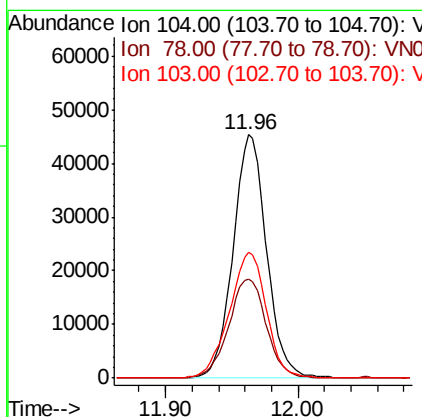
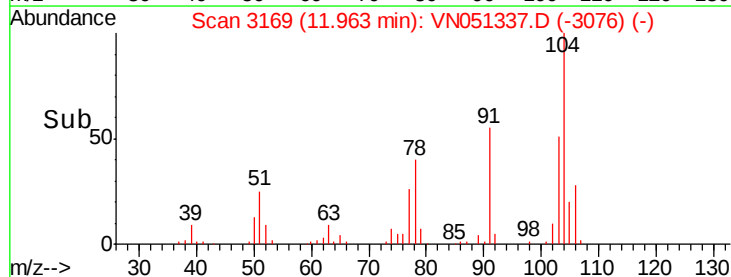
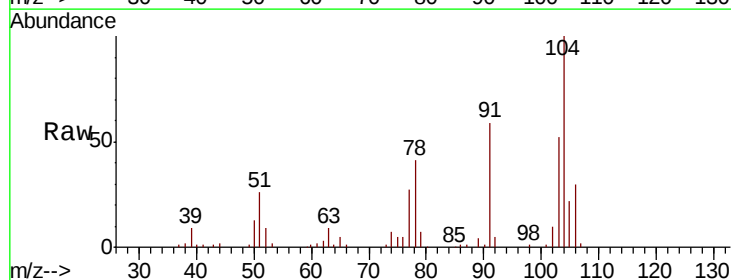
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

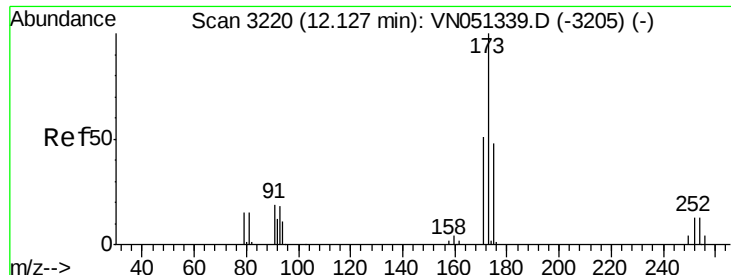
Tot Ion:106 Resp: 53719
Ion Ratio Lower Upper
106 100
91 204.8 104.6 313.7



#70
Styrene
Concen: 4.39 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion:104 Resp: 79423
Ion Ratio Lower Upper
104 100
78 45.9 37.8 56.6
103 57.2 44.3 66.5

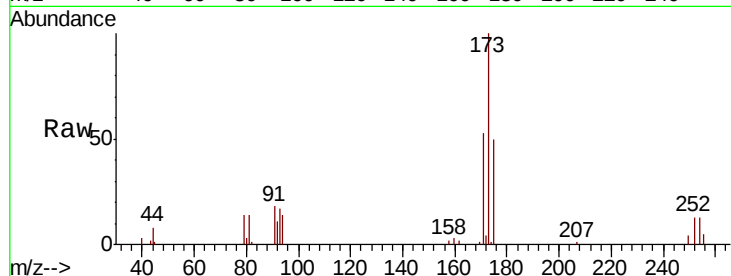




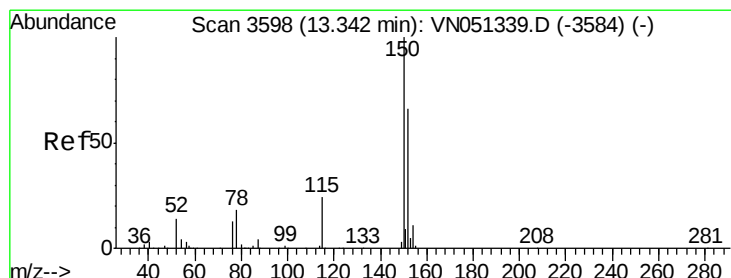
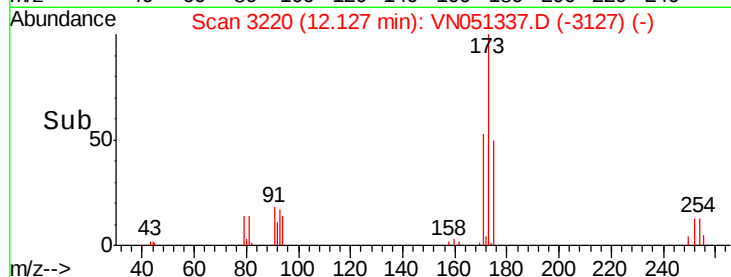
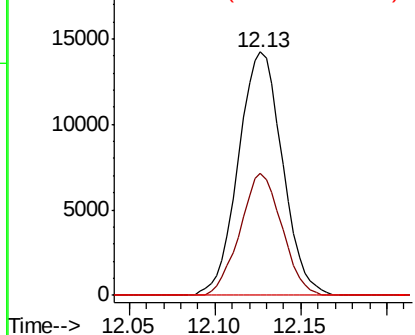
#71
Bromoform
Concen: 4.97 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 25264
Ion Ratio Lower Upper
173 100
175 47.5 24.3 73.0
254 0.0 0.1 0.1#

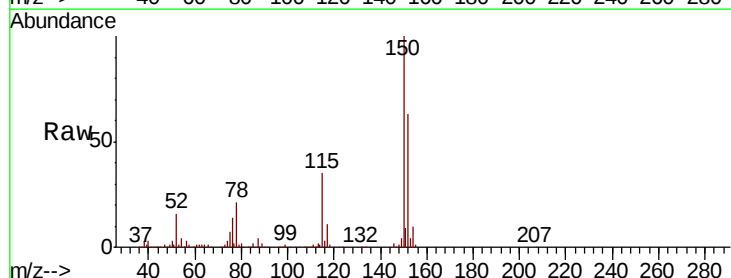


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

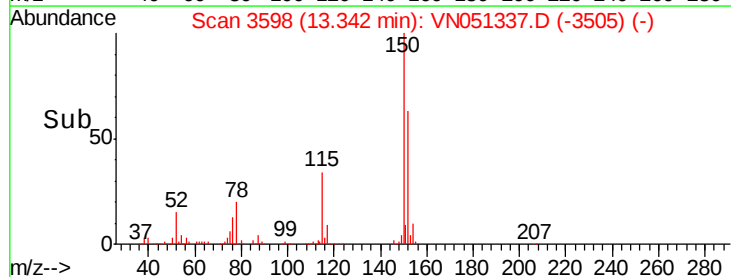
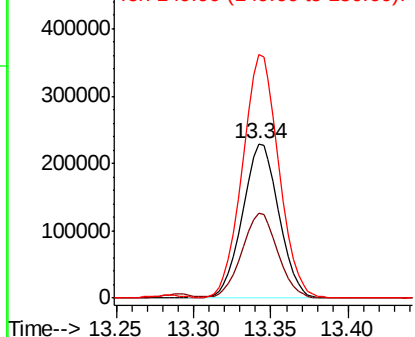


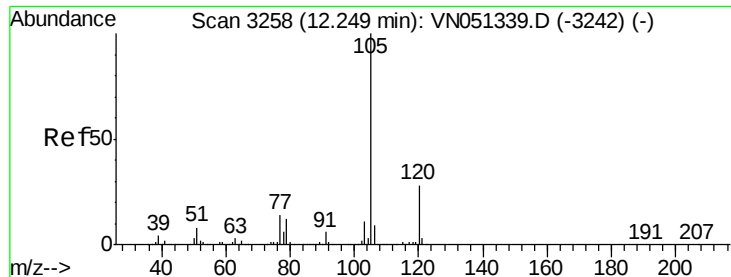
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion:152 Resp: 375076
Ion Ratio Lower Upper
152 100
115 54.3 26.9 80.7
150 157.7 0.0 345.0



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: 4.97 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

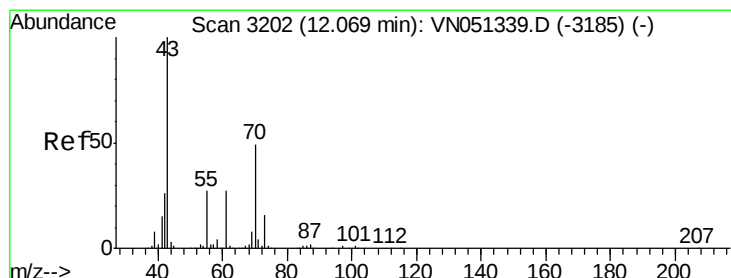
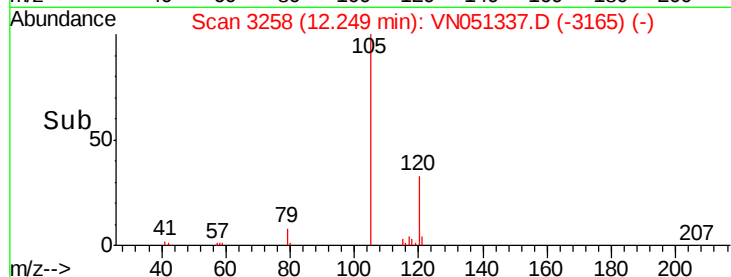
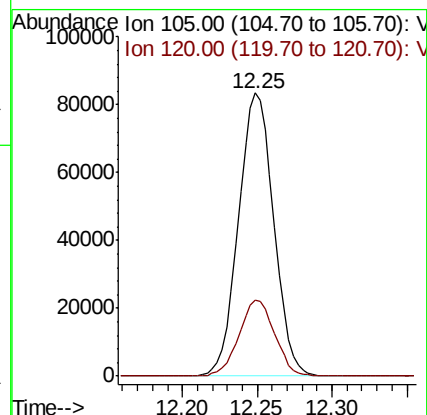
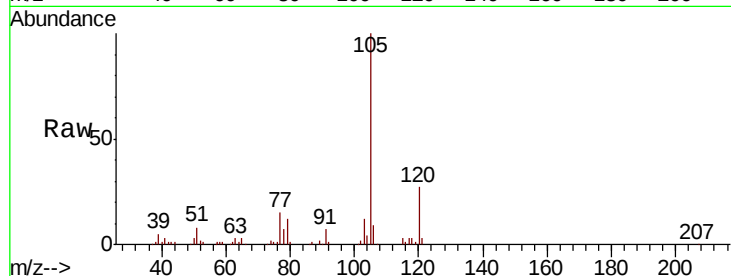
VSTDIC005

Tot Ion:105 Resp: 136708

Ion Ratio Lower Upper

105 100

120 27.3 13.9 41.6



#74

N-ethyl acetate

Concen: 4.78 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Tgt Ion: 43 Resp: 28130

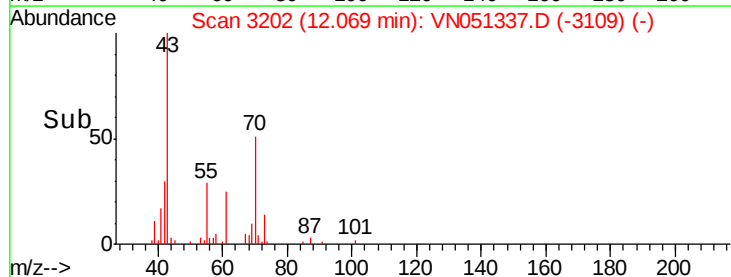
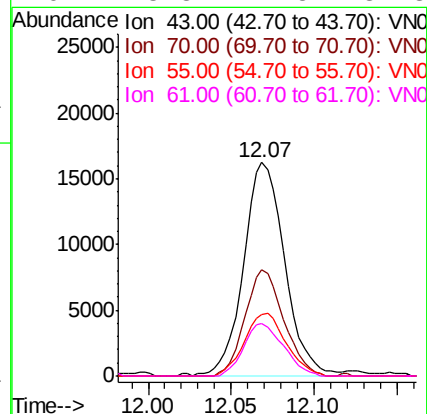
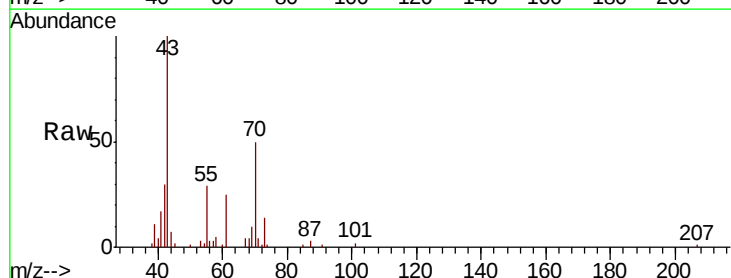
Ion Ratio Lower Upper

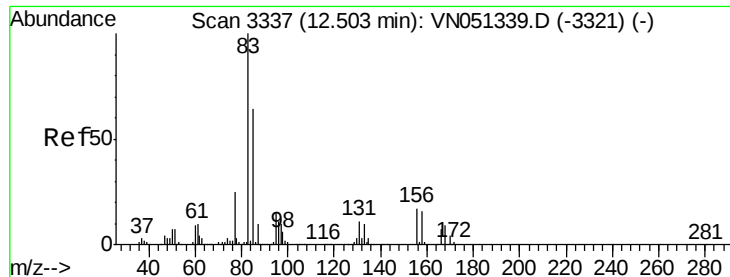
43 100

70 46.7 39.5 59.3

55 29.6 22.6 34.0

61 23.8 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.63 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

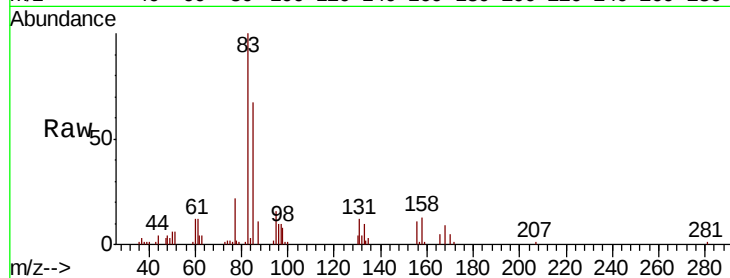
Tot Ion: 83 Resp: 38205

Ion	Ratio	Lower	Upper
83	100		
131	12.4	5.5	16.7
85	66.2	32.3	96.9

83 100

131 12.4 5.5 16.7

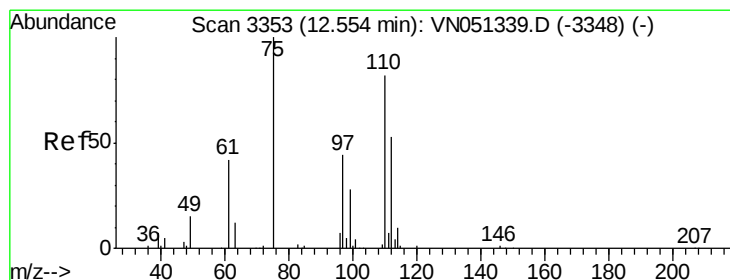
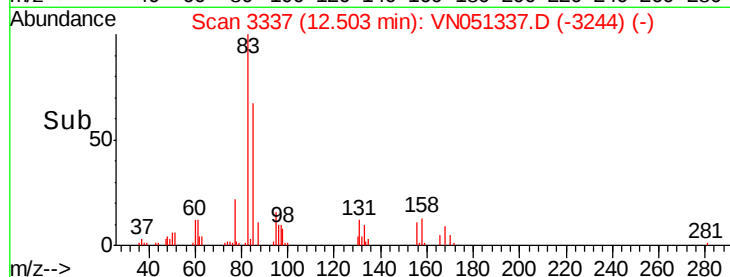
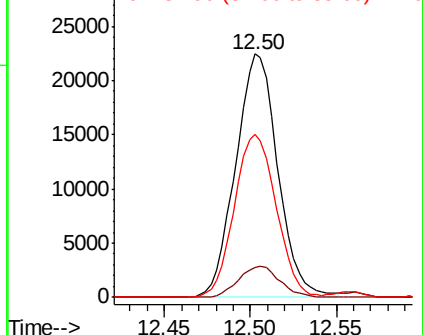
85 66.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 7.99 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051337.D

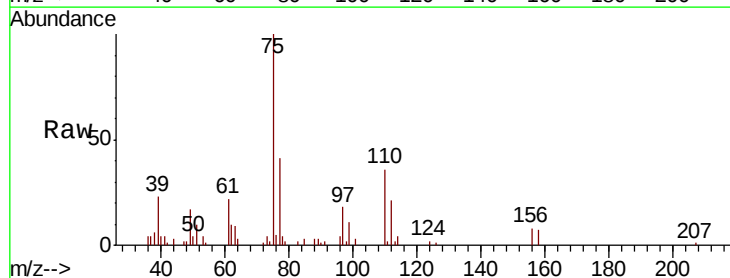
Acq: 20 Sep 2018 13:52

Tgt Ion: 75 Resp: 43253

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

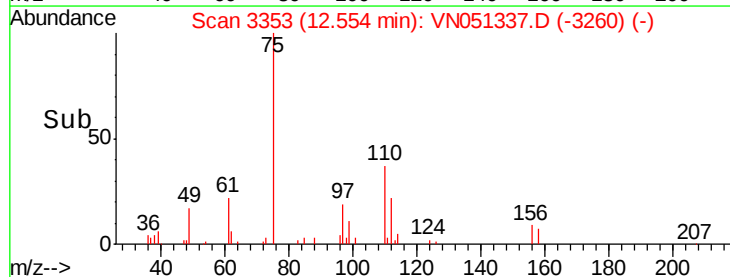
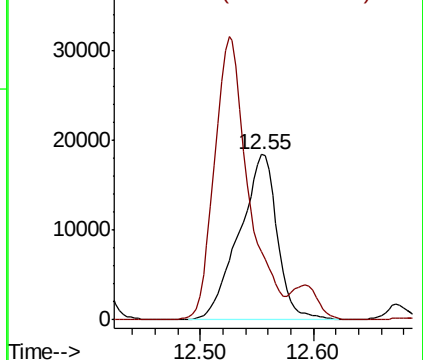
75 100

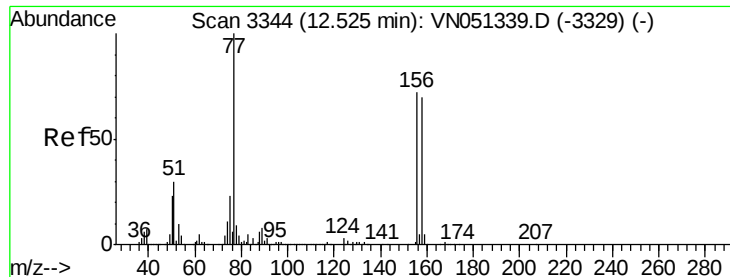
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

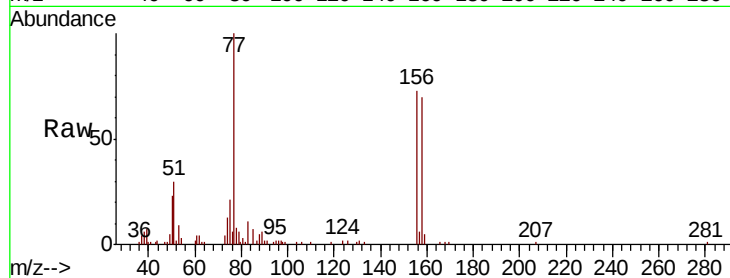




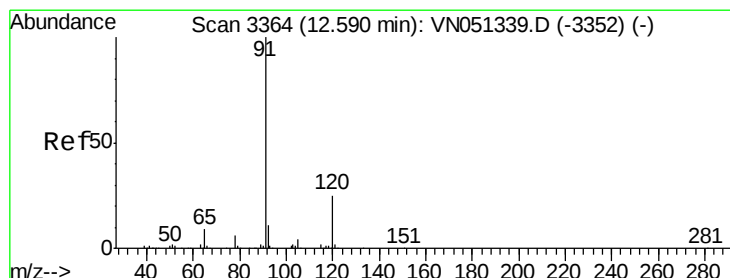
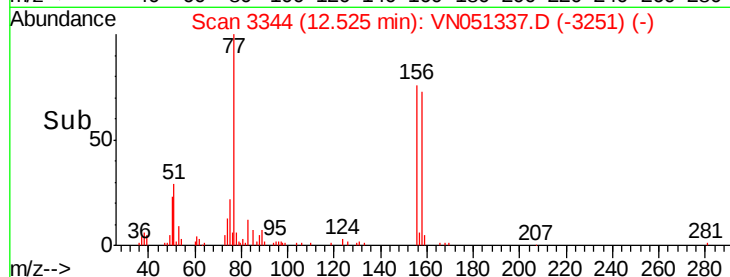
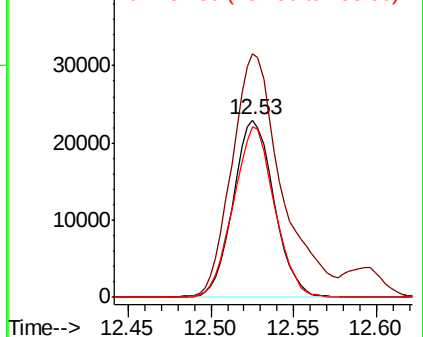
#77
Bromobenzene
Concen: 5.19 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:156 Resp: 39402
Ion Ratio Lower Upper
156 100
77 167.9 80.8 242.4
158 96.4 48.8 146.3

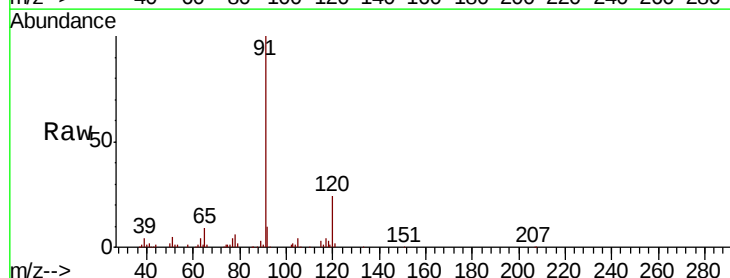


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

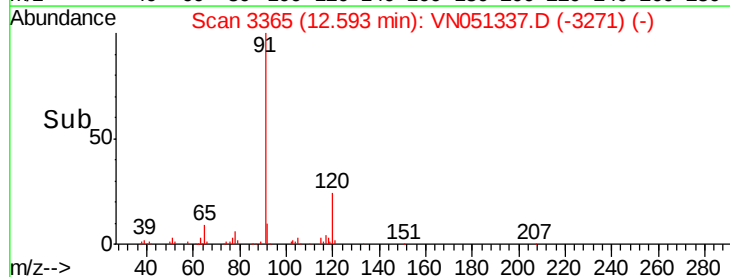
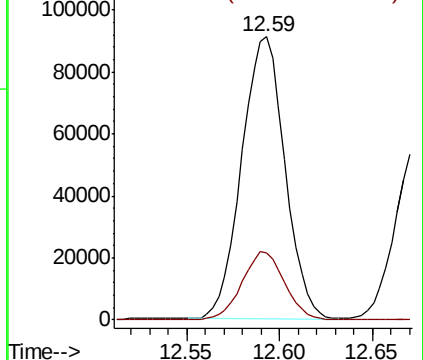


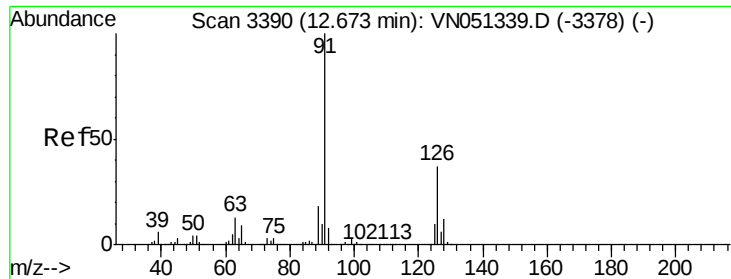
#78
n-propylbenzene
Concen: 4.93 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 91 Resp: 147622
Ion Ratio Lower Upper
91 100
120 23.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.17 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

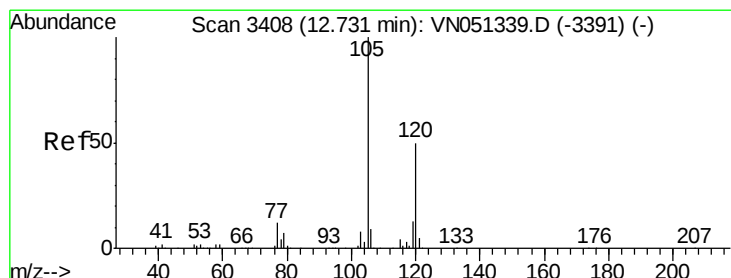
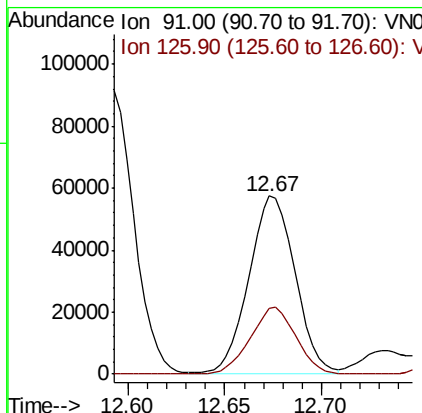
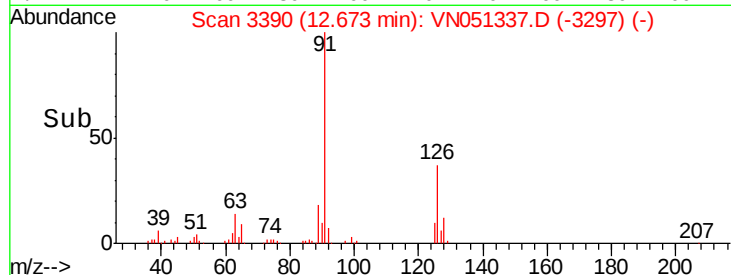
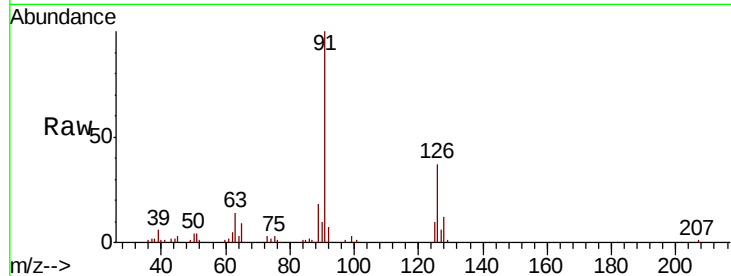
VSTDIC005

Tot Ion: 91 Resp: 95429

Ion Ratio Lower Upper

91 100

126 37.1 18.6 55.8



#80

1,3,5-Trimethylbenzene

Concen: 4.95 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051337.D

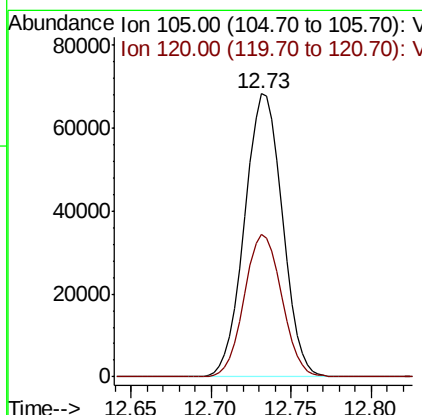
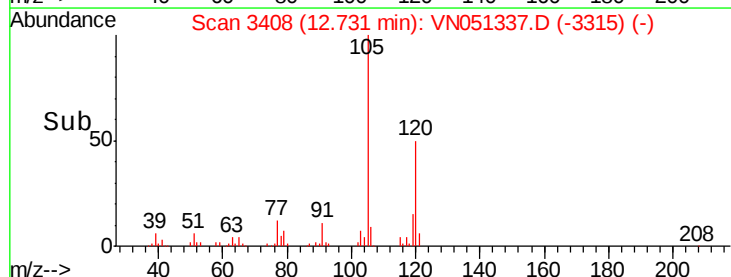
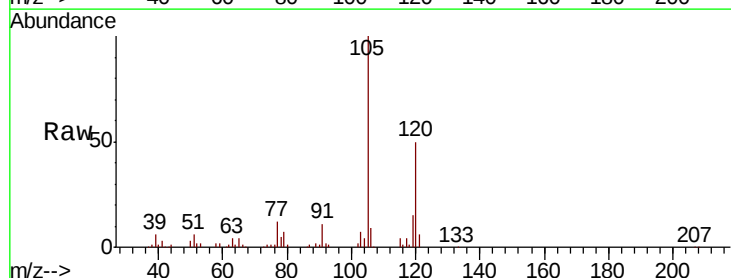
Acq: 20 Sep 2018 13:52

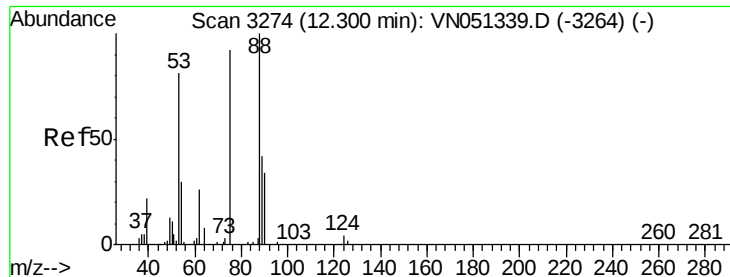
Tgt Ion: 105 Resp: 110403

Ion Ratio Lower Upper

105 100

120 50.0 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.54 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

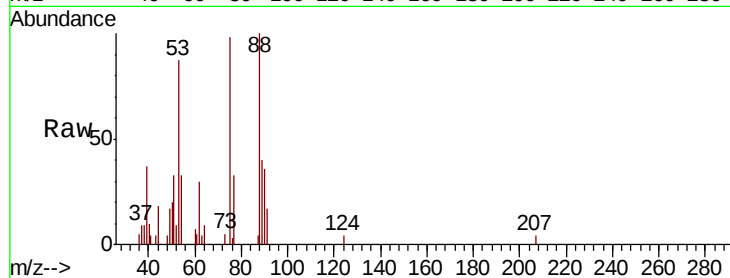
Tot Ion: 75 Resp: 8669

Ion Ratio Lower Upper

75 100

53 91.3 69.9 104.9

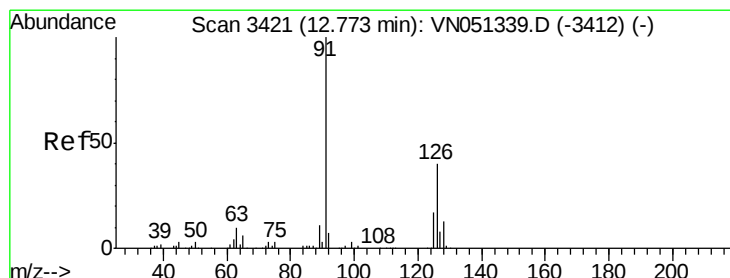
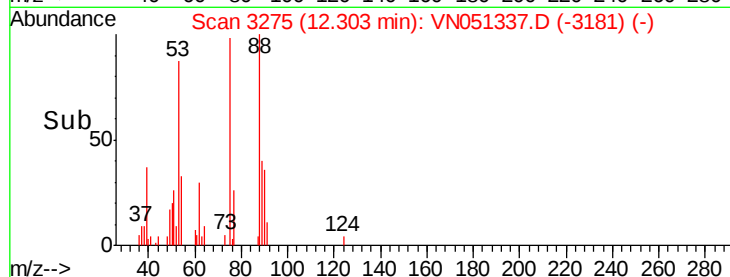
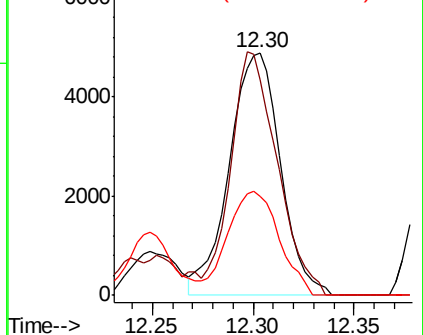
89 43.1 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.00 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051337.D

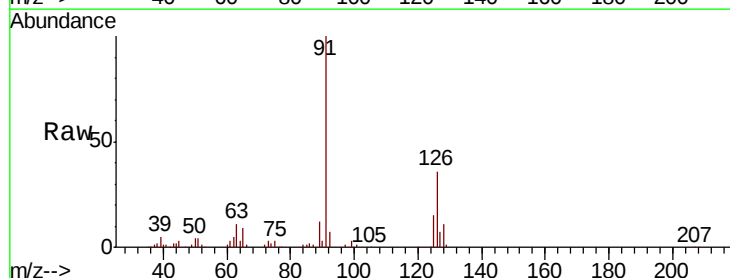
Acq: 20 Sep 2018 13:52

Tgt Ion: 91 Resp: 89686

Ion Ratio Lower Upper

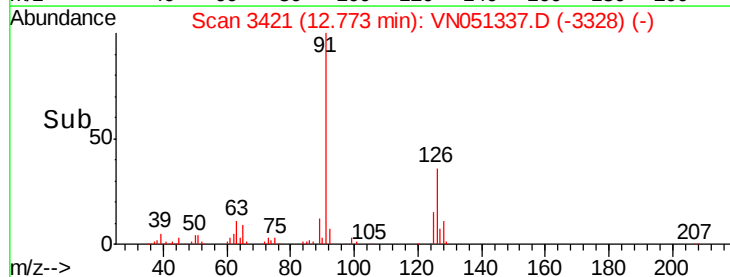
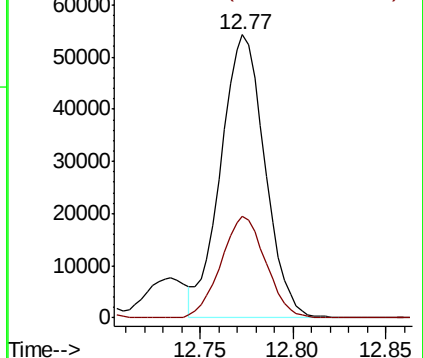
91 100

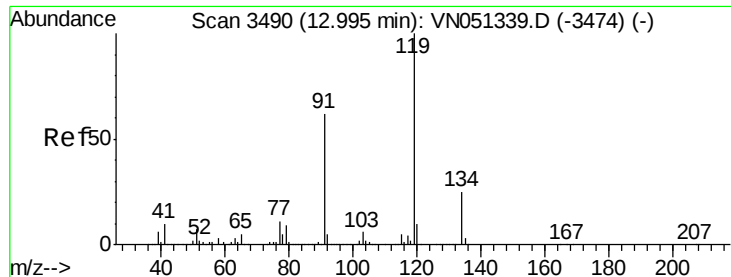
126 36.1 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

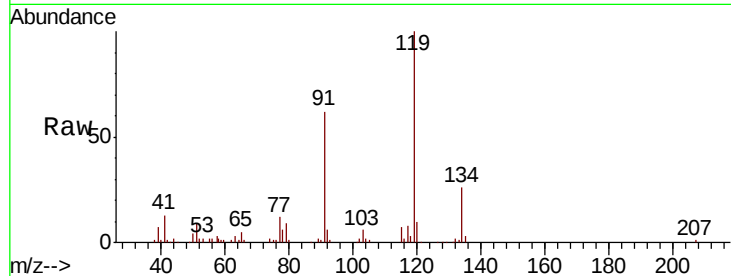




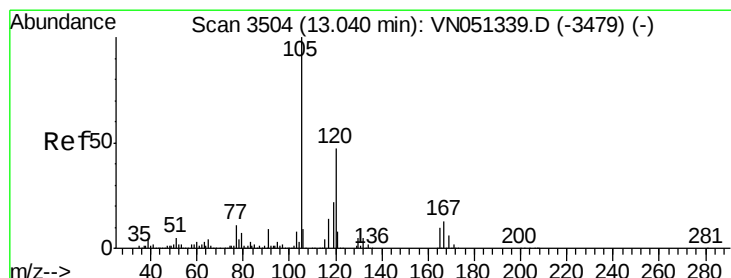
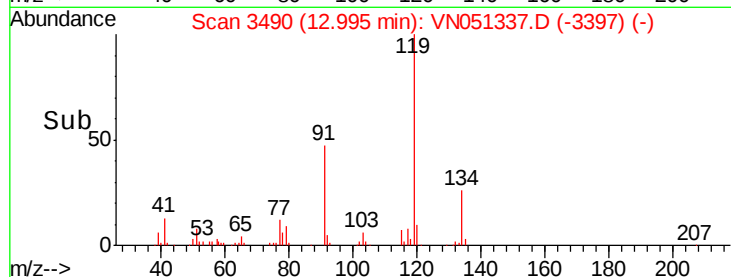
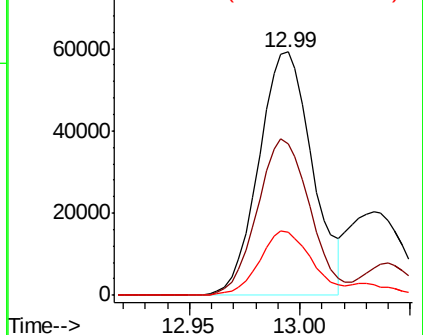
#83
 tert-Butylbenzene
 Concen: 4.99 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:119 Resp: 99512
 Ion Ratio Lower Upper
 119 100
 91 63.3 30.6 91.8
 134 25.8 12.6 37.6

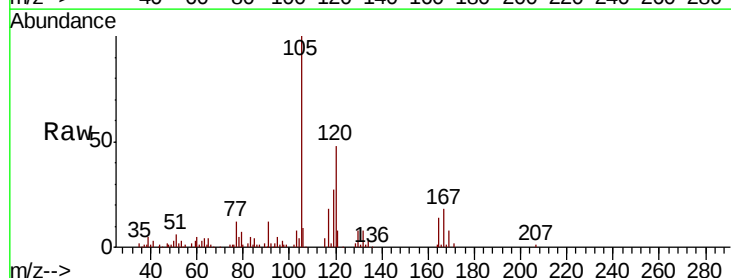


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

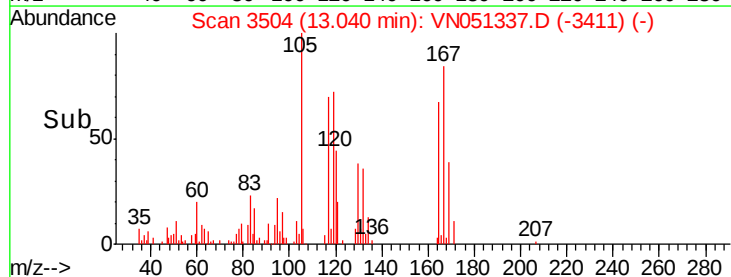
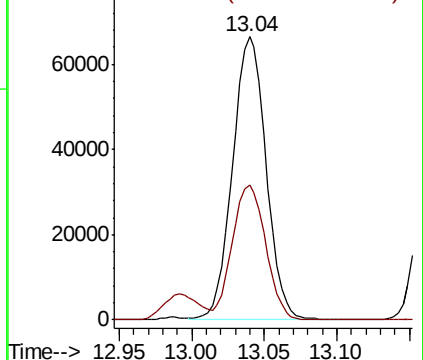


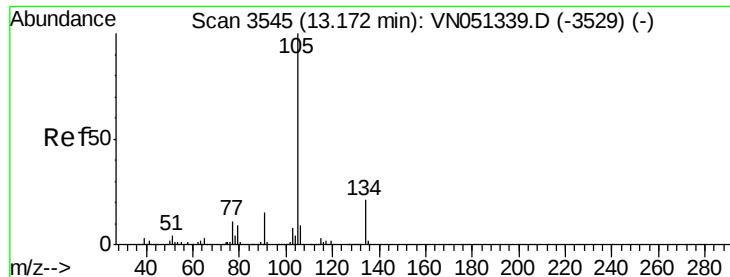
#84
 1,2,4-Trimethylbenzene
 Concen: 4.82 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion:105 Resp: 106654
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.03 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

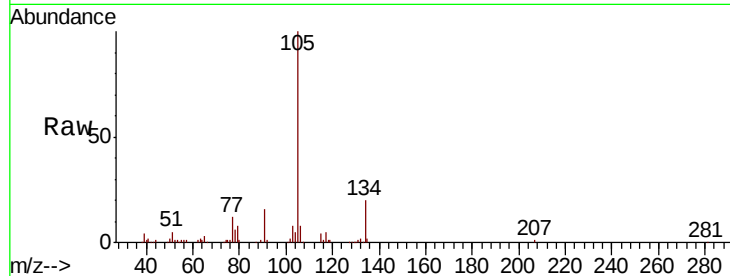
VSTDIC005

Tot Ion:105 Resp: 133399

Ion Ratio Lower Upper

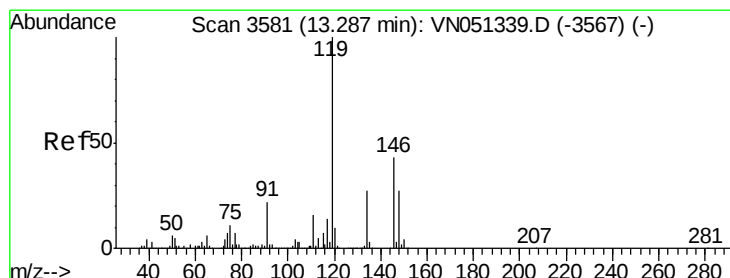
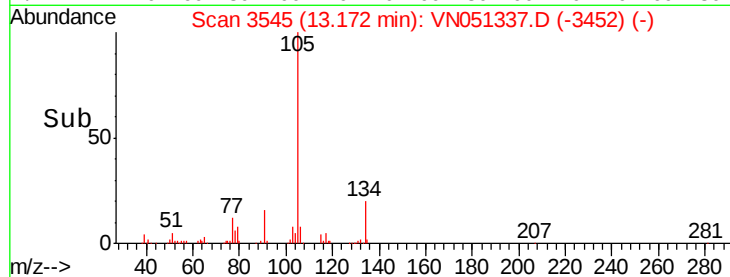
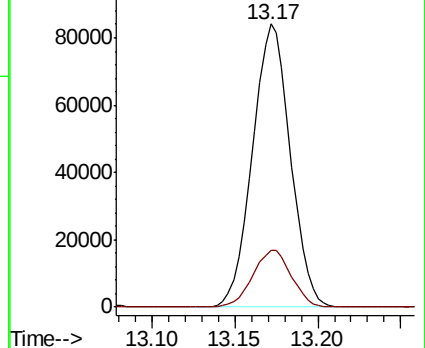
105 100

134 20.4 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.69 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

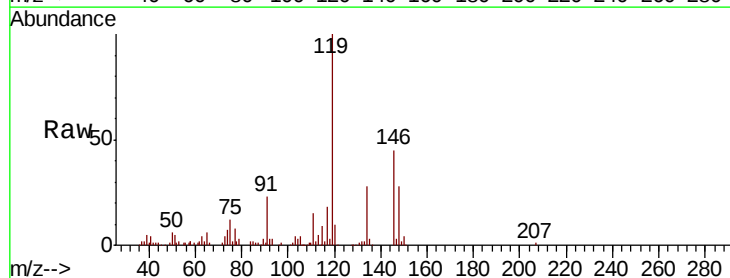
Tgt Ion:119 Resp: 108169

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

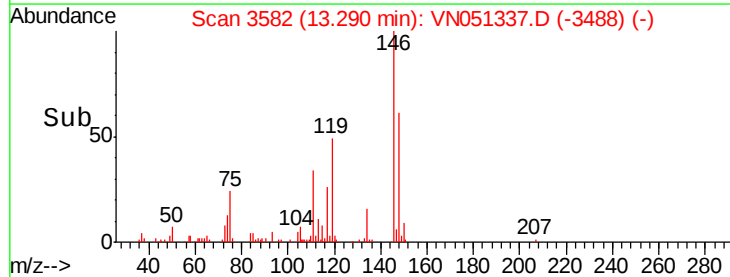
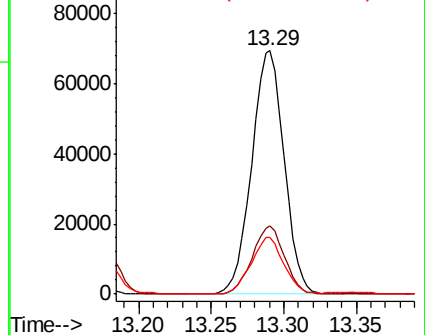
91 23.5 10.8 32.3

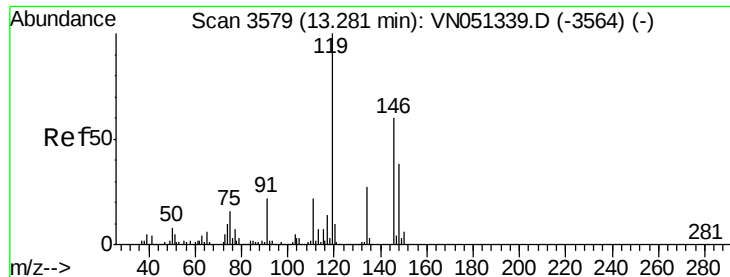


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

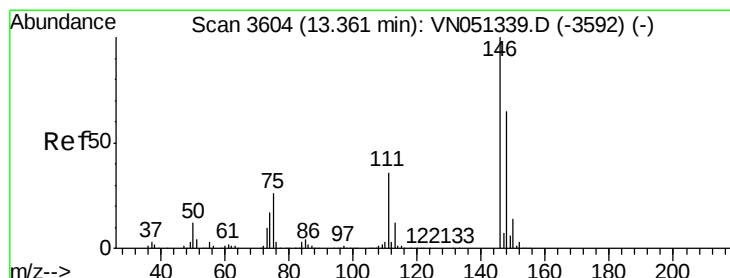
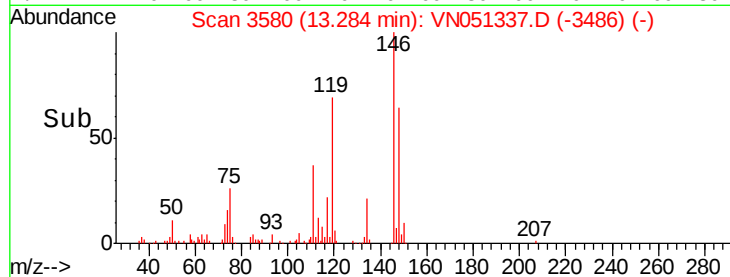
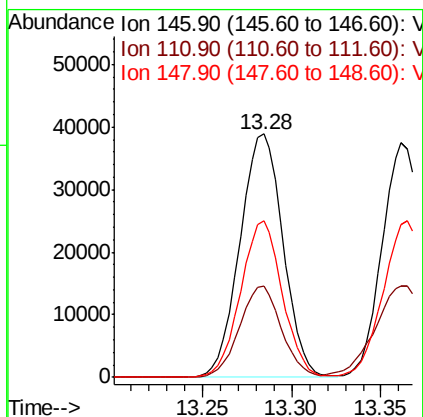
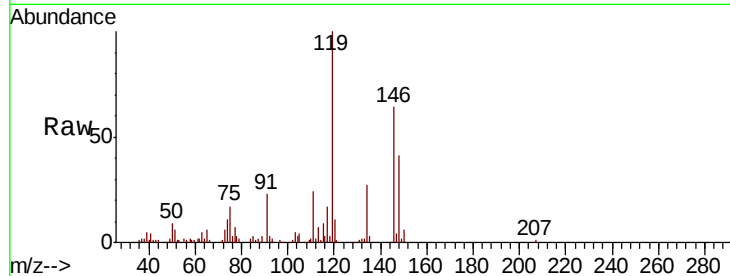




#87
 1,3-Dichlorobenzene
 Concen: 5.13 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

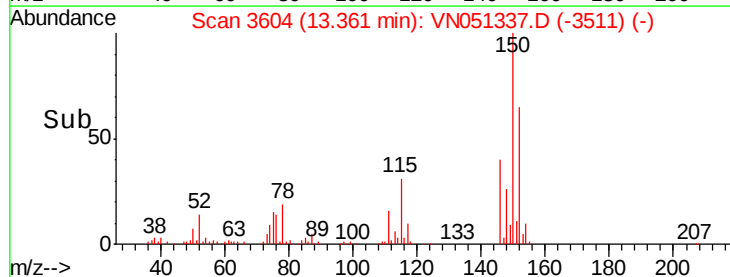
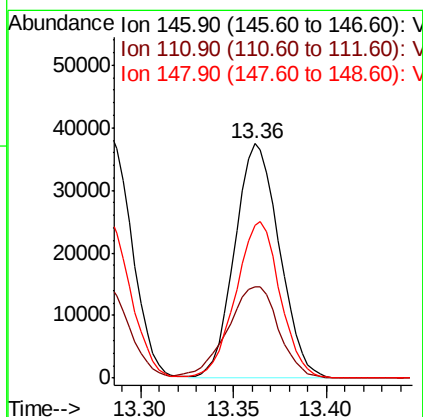
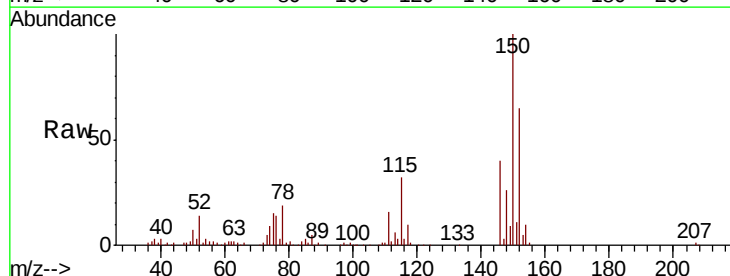
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

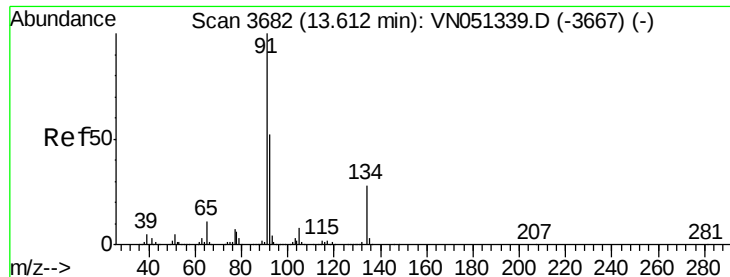
Tot Ion:146 Resp: 65547
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.6 55.8
 148 62.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 5.07 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion:146 Resp: 62802
 Ion Ratio Lower Upper
 146 100
 111 45.0 18.2 54.6
 148 66.2 32.5 97.4

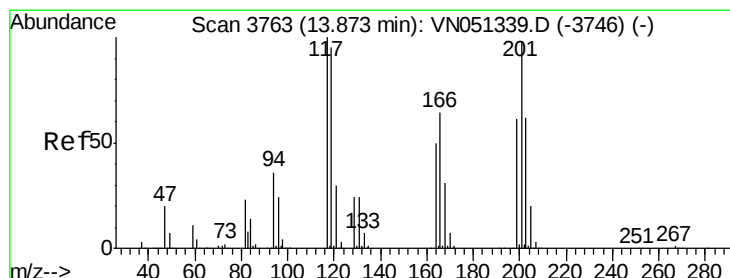
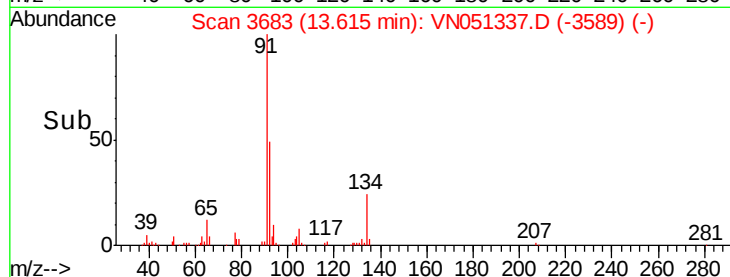
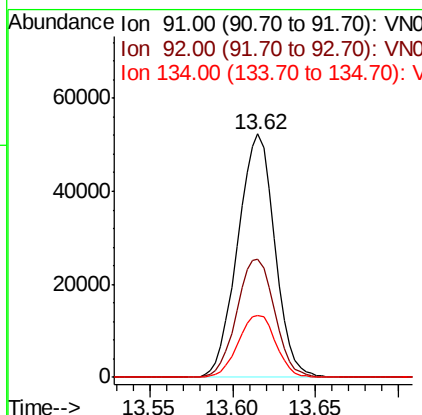
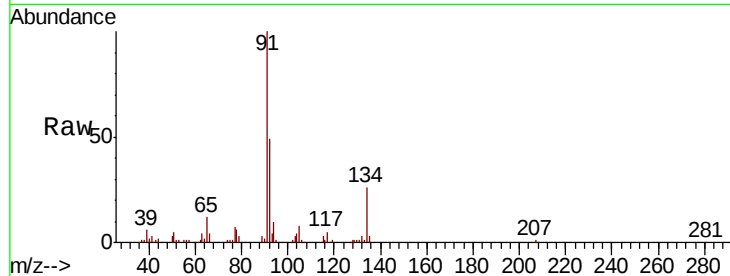




#89
n-Butylbenzene
Concen: 4.54 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

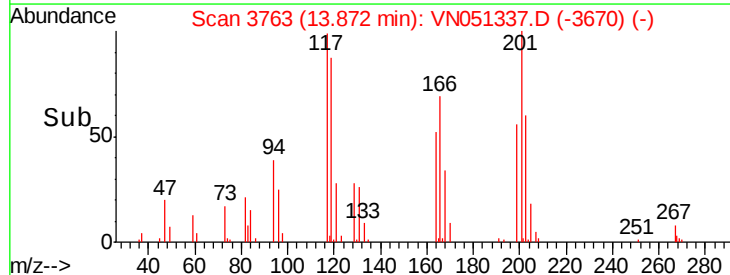
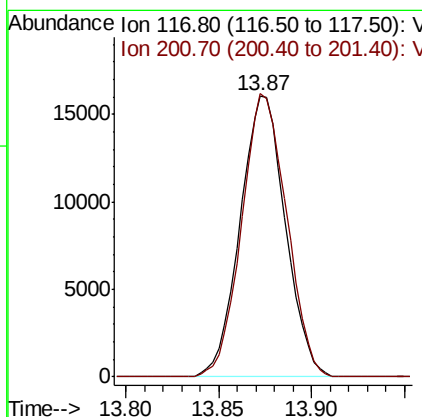
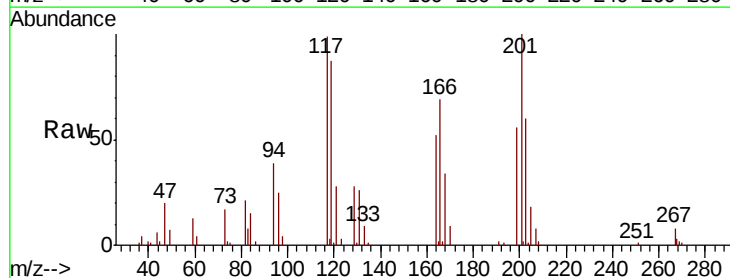
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

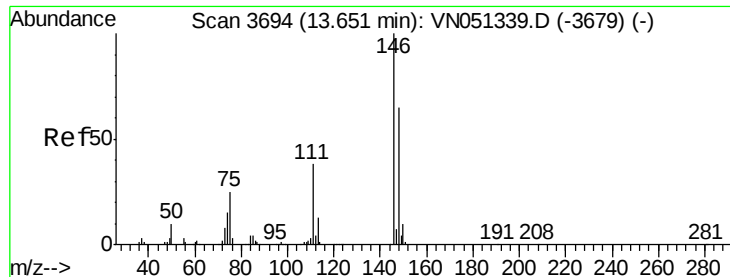
Tot Ion: 91 Resp: 81418
Ion Ratio Lower Upper
91 100
92 49.5 26.0 78.0
134 25.9 14.1 42.4



#90
Hexachloroethane
Concen: 5.50 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051337.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 117 Resp: 27179
Ion Ratio Lower Upper
117 100
201 100.1 49.5 148.3

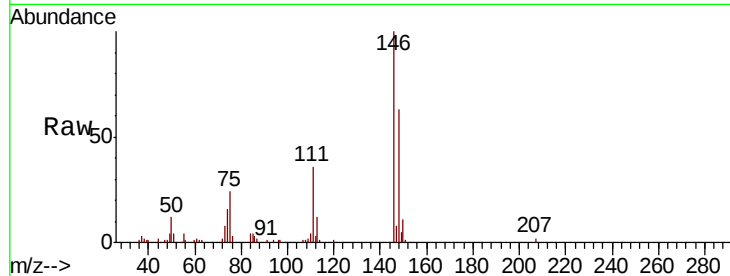




#91
 1,2-Dichlorobenzene
 Concen: 5.19 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	64.2	32.9	98.7

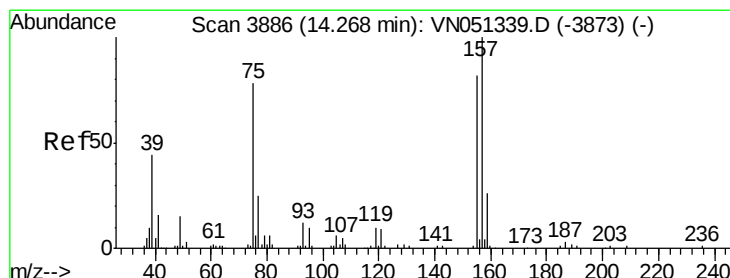
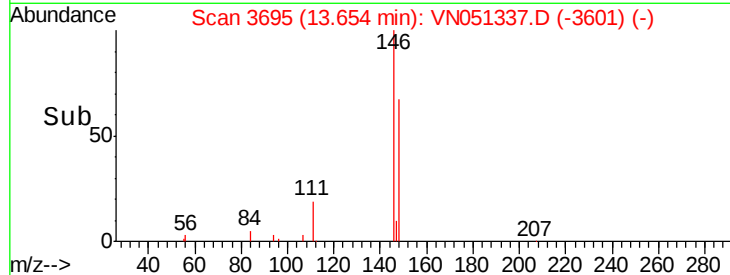
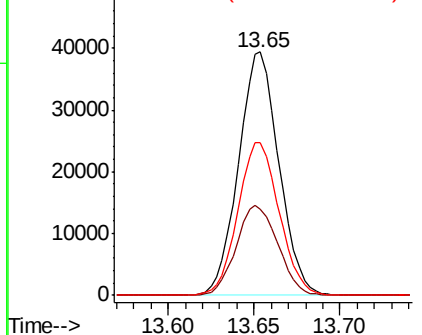


Abundance

Ion 145.90 (145.60 to 146.60): V

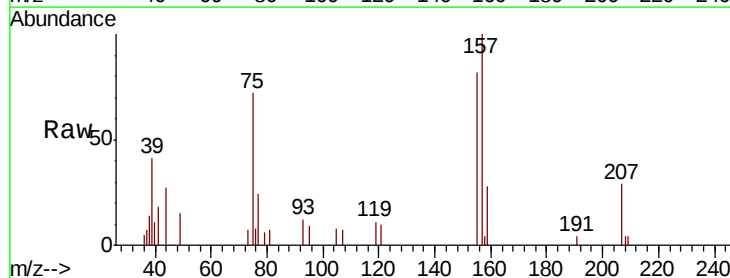
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.39 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	51.4	154.2
157	125.9	65.4	196.2

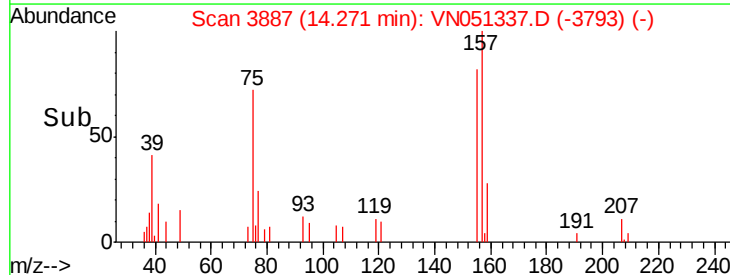
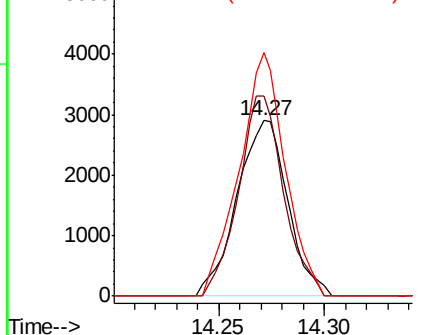


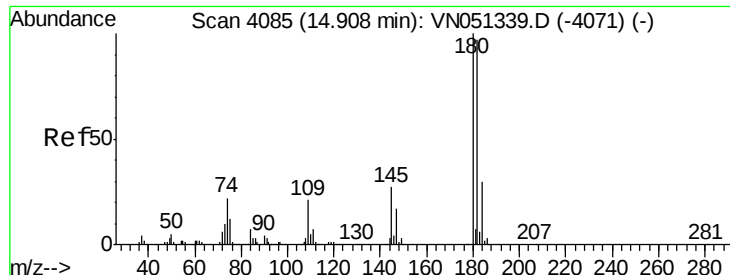
Abundance

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

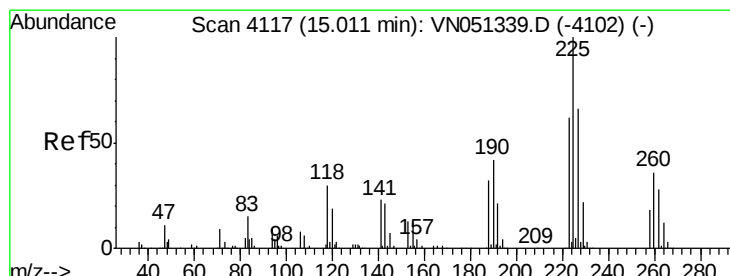
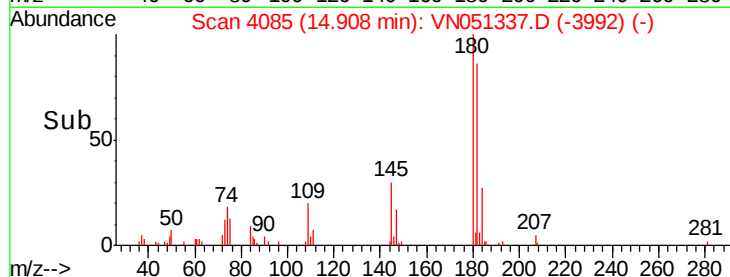
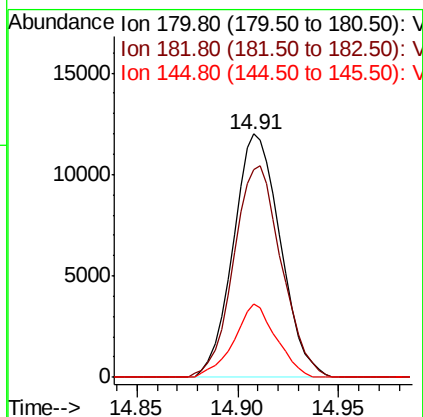
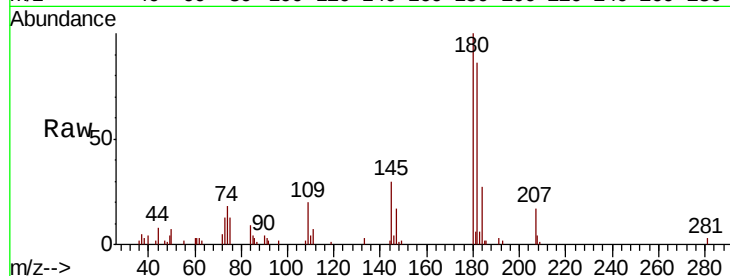




#93
 1,2,4-Trichlorobenzene
 Concen: 3.46 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

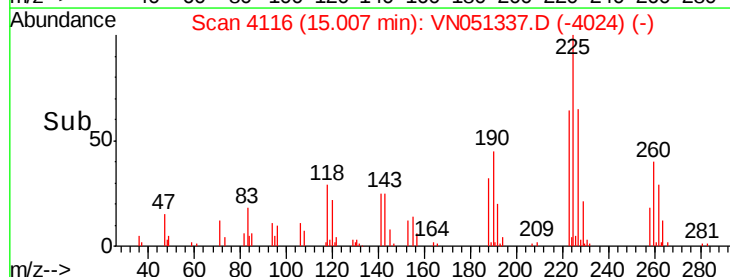
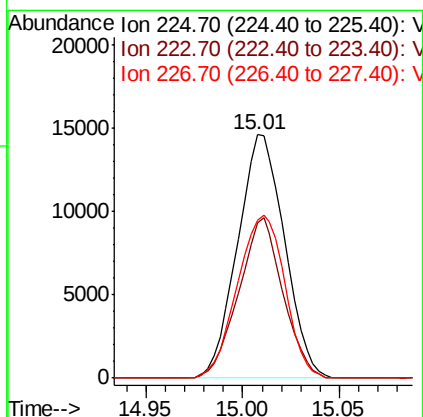
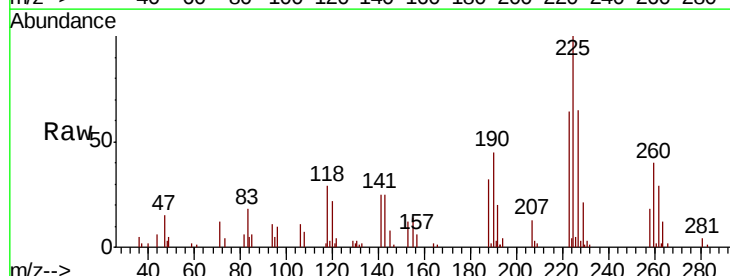
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

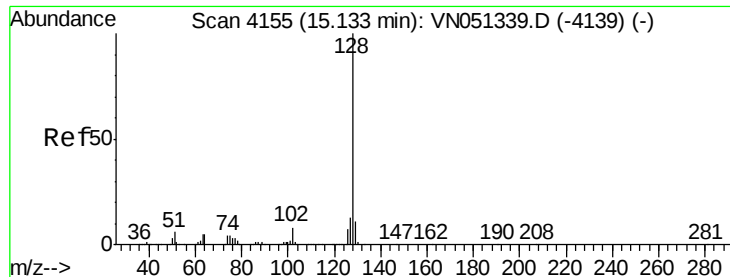
Tot Ion:180 Resp: 19587
 Ion Ratio Lower Upper
 180 100
 182 88.1 48.4 145.2
 145 27.0 13.7 41.1



#94
 Hexachlorobutadiene
 Concen: 5.15 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051337.D
 Acq: 20 Sep 2018 13:52

Tgt Ion:225 Resp: 24645
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.2 93.6
 227 67.7 32.8 98.4





#95

Naphthalene

Concen: 2.86 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

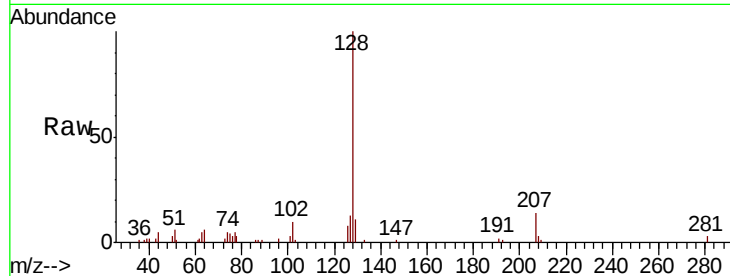
Tot Ion:128 Resp: 28453

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

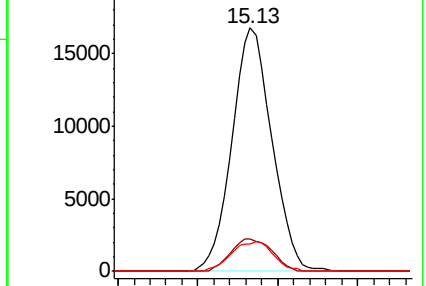
129 12.8 8.6 13.0



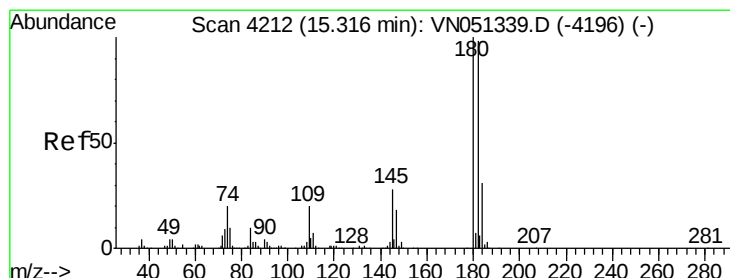
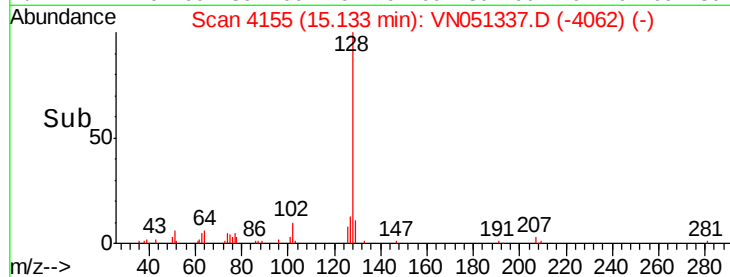
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 3.76 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

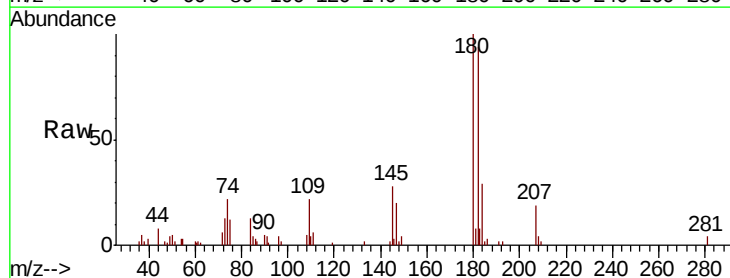
Tgt Ion:180 Resp: 21171

Ion Ratio Lower Upper

180 100

182 94.3 48.1 144.3

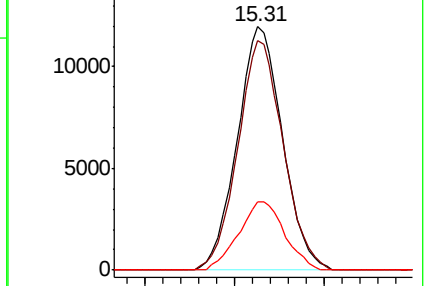
145 28.5 14.3 42.9



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



Time--> 15.25 15.30 15.35

