

Data File : VV008363.D
Acq On : 19 Oct 2018 15:13
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Quant Time: Oct 20 02:53:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 02:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	126897	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49935	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38852	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.58	69	29512	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	72266	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	3.98	46	120226	49.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.96%
24) Chloroform-d	4.40	84	91051	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.09	65	46590	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.10	84	183781	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.12	67	60599	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.36	98	170544	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	7.67	79	23478	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.14	63	85468	53.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35201	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	51973	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	54044	5.532 ug/L	99
3) Chloromethane	1.25	50	47850	4.798 ug/L	97
5) Vinyl chloride	1.32	62	47045	4.983 ug/L	97
6) Bromomethane	1.54	94	22913	4.241 ug/L	99
8) Chloroethane	1.60	64	25441	5.184 ug/L	99
9) Trichlorofluoromethane	1.77	101	60629	5.282 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34854	5.320 ug/L	98
12) 1,1-Dichloroethene	2.14	96	31054	5.094 ug/L	92
13) Acetone	2.23	43	60985	46.860 ug/L	97
14) Carbon disulfide	2.32	76	103308	4.926 ug/L	100
15) Methyl Acetate	2.48	43	13890	4.290 ug/L	93
16) Methylene chloride	2.53	84	32641	4.626 ug/L	93
17) Methyl tert-butyl Ether	2.82	73	85969	4.964 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	33916	5.171 ug/L	92
19) 1,1-Dichloroethane	3.23	63	67826	5.005 ug/L	95
21) 2-Butanone	4.06	43	137067	50.722 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	53908	5.091 ug/L #	96

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19643	5.003	ug/L	94
25) Chloroform	4.43	83	93133	5.608	ug/L	97
27) 1,2-Dichloroethane	5.19	62	57741	5.848	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	80200	5.636	ug/L	99
30) Cyclohexane	4.72	56	93405	5.222	ug/L	99
31) Carbon tetrachloride	4.87	117	66607	5.567	ug/L	98
33) Benzene	5.15	78	206172	5.354	ug/L	100
34) Trichloroethene	5.96	95	59388	5.565	ug/L	97
35) Methylcyclohexane	6.17	83	95359	5.299	ug/L	96
37) 1,2-Dichloropropane	6.23	63	54901	5.284	ug/L	99
38) Bromodichloromethane	6.56	83	64651	5.539	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	79442	5.359	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	322835	50.734	ug/L	99
42) Toluene	7.43	91	214865	5.353	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	62476	5.266	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	33544	5.201	ug/L	98
47) Tetrachloroethene	8.02	164	35758	5.348	ug/L	96
48) 2-Hexanone	8.19	43	243495	52.355	ug/L	99
49) Dibromochloromethane	8.29	129	37554	5.108	ug/L	98
50) 1,2-Dibromoethane	8.40	107	31216	5.163	ug/L #	94
51) Chlorobenzene	8.93	112	131844	5.528	ug/L	98
52) Ethylbenzene	9.06	91	243810	5.524	ug/L	99
53) m,p-xylene	9.18	106	87991	5.512	ug/L	99
54) o-xylene	9.59	106	84045	5.284	ug/L	91
55) Styrene	9.60	104	140114	5.475	ug/L	95
56) Isopropylbenzene	9.98	105	233355	5.568	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	33215	4.526	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	30001	5.160	ug/L	98
61) Bromoform	9.78	173	17365	4.757	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	91980	5.442	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	90553	5.412	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	85660	5.287	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	5584	4.568	ug/L	86
67) 1,3,5-Trichlorobenzene	12.70	180	61673	5.640	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	44792	5.754	ug/L	98
69) Naphthalene	13.56	128	72354	4.986	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	41363	5.352	ug/L	96

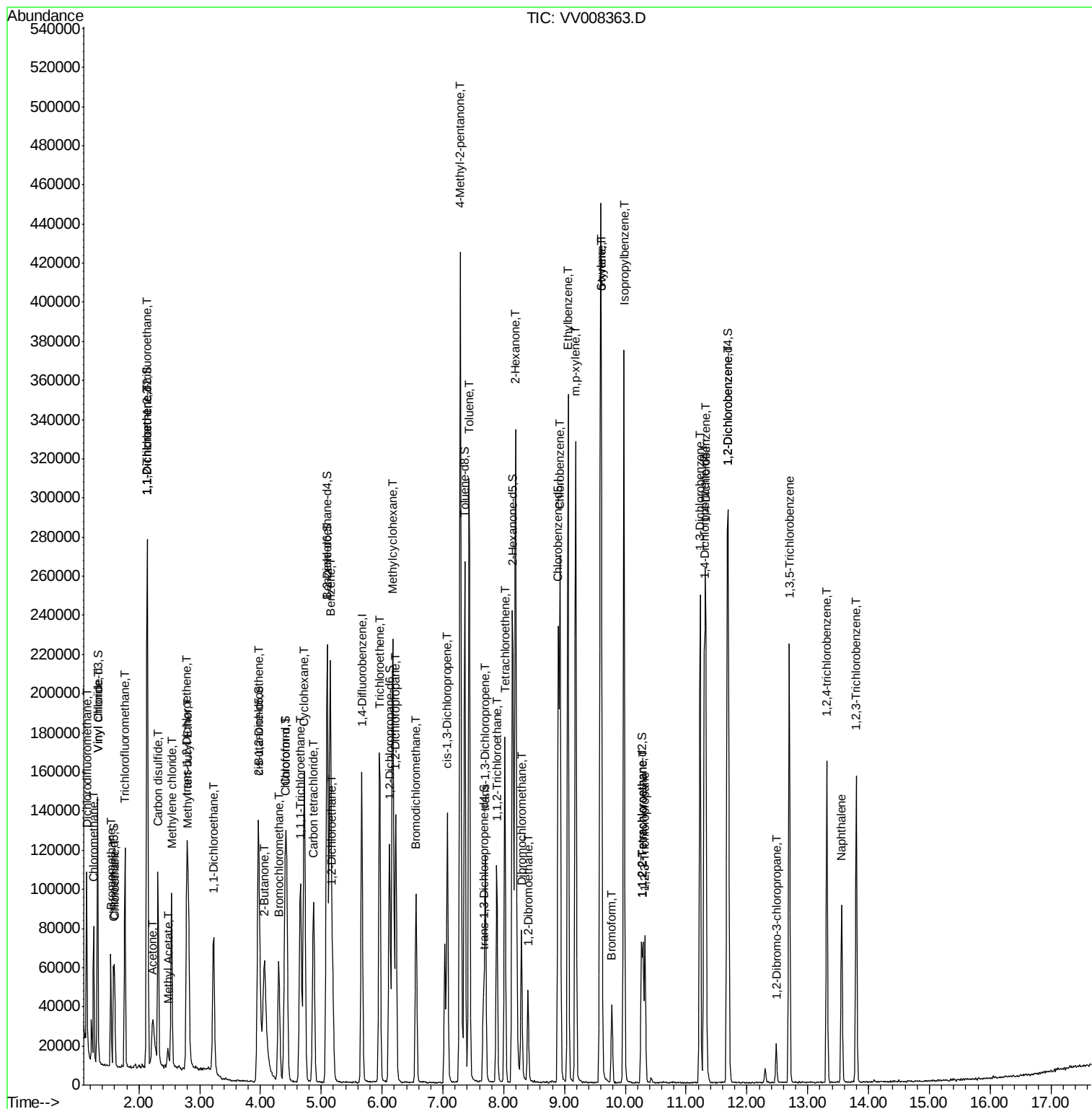
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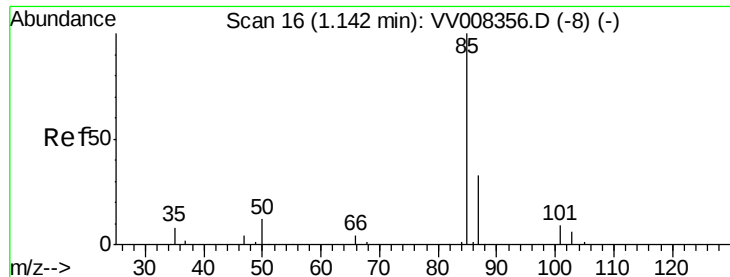
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#2

Dichlorodifluoromethane

Concen: 5.532 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

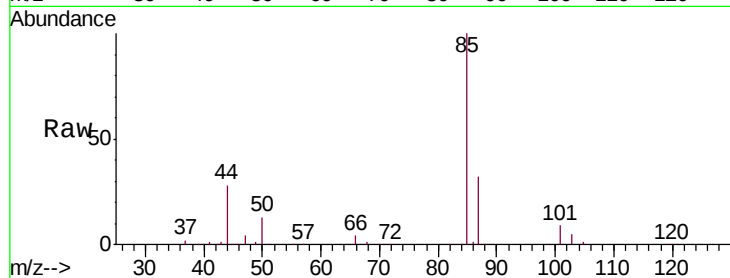
VSTD00573

Tgt Ion: 85 Resp: 54044

Ion Ratio Lower Upper

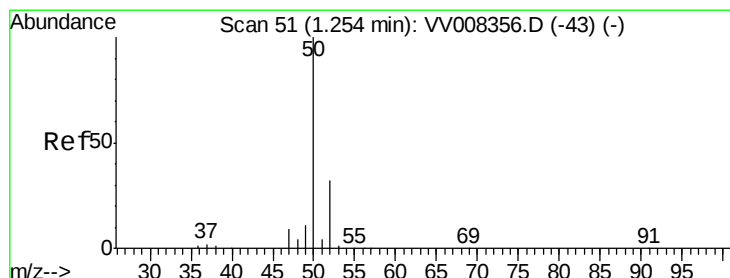
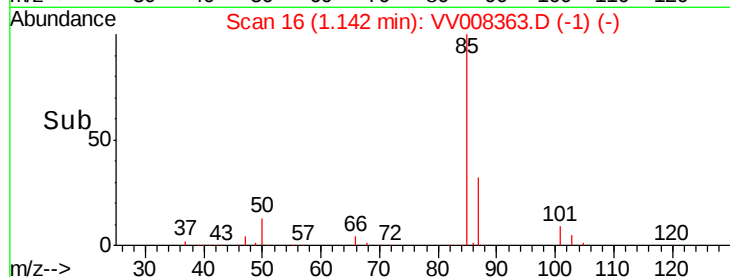
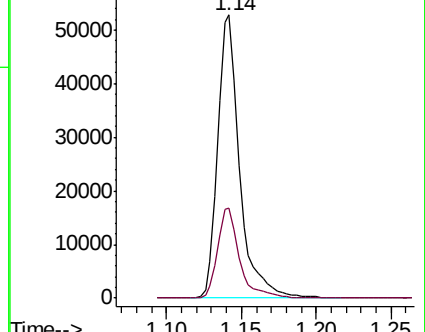
85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV008356.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008356.D (-8) (-)



#3

Chloromethane

Concen: 4.798 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008363.D

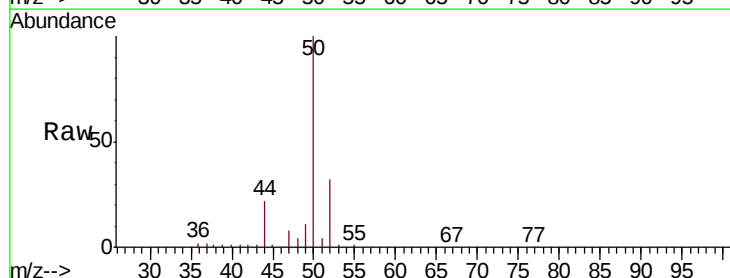
Acq: 19 Oct 2018 15:13

Tgt Ion: 50 Resp: 47850

Ion Ratio Lower Upper

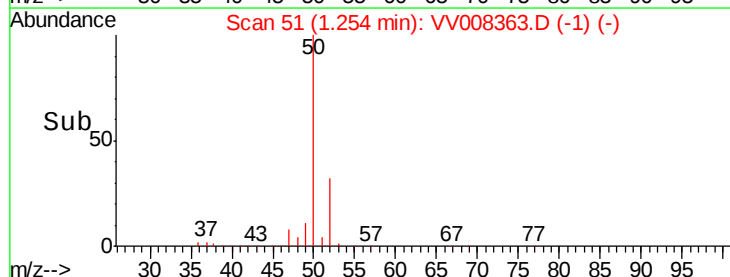
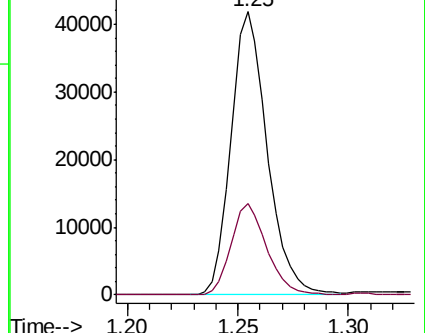
50 100

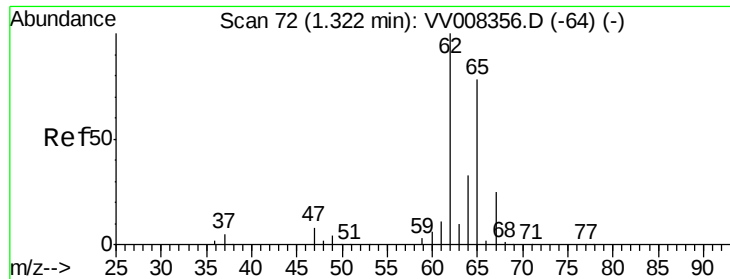
52 32.2 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008356.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008356.D (-43) (-)





#5

Vinyl chloride

Concen: 4.983 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampled :

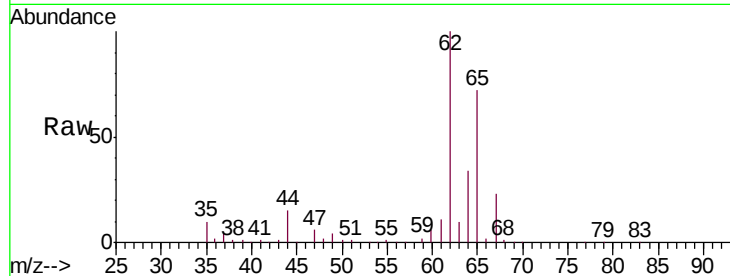
VSTD00573

Tgt Ion: 62 Resp: 47045

Ion Ratio Lower Upper

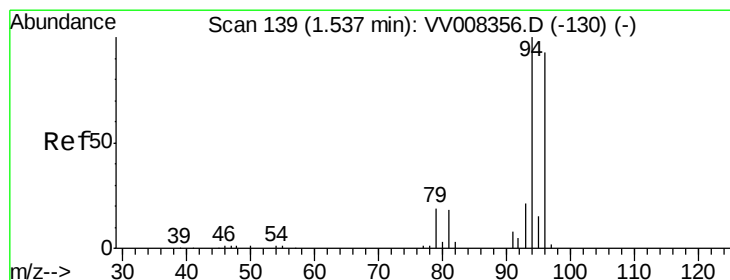
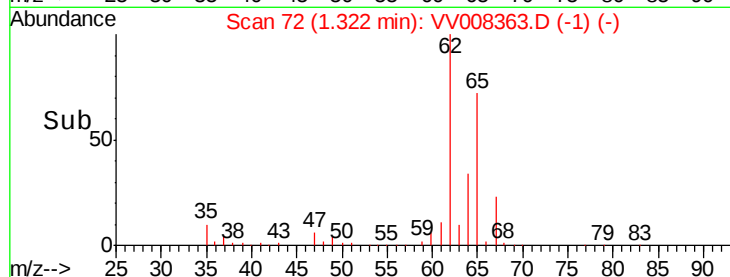
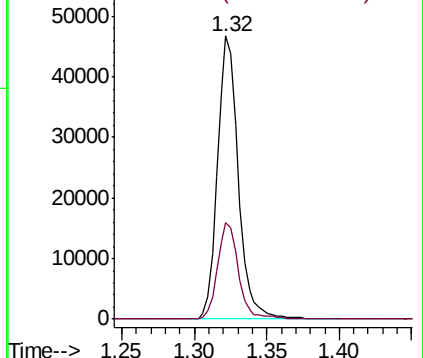
62 100

64 34.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.241 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008363.D

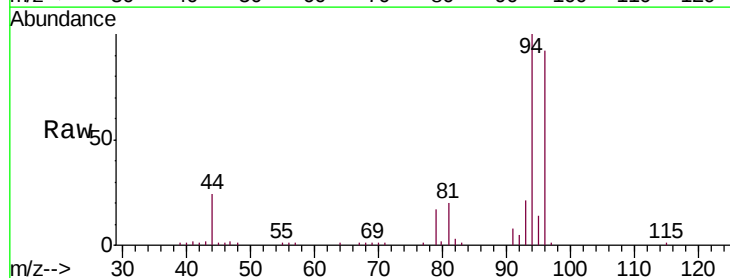
Acq: 19 Oct 2018 15:13

Tgt Ion: 94 Resp: 22913

Ion Ratio Lower Upper

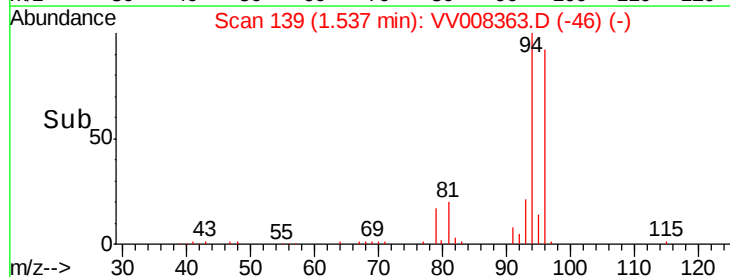
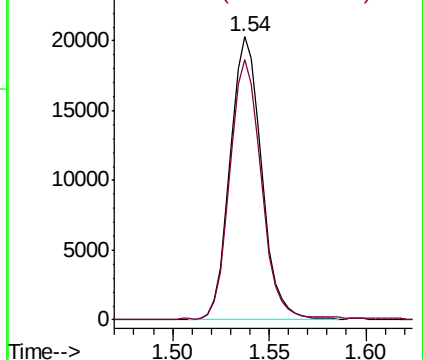
94 100

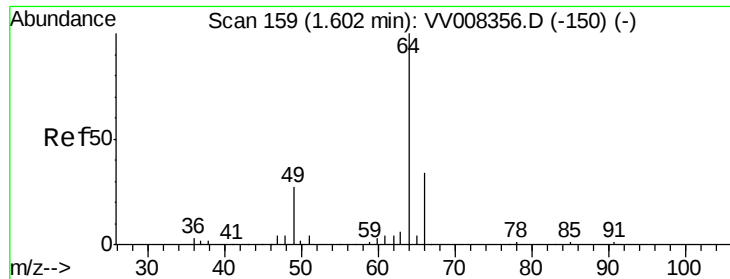
96 92.1 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.184 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

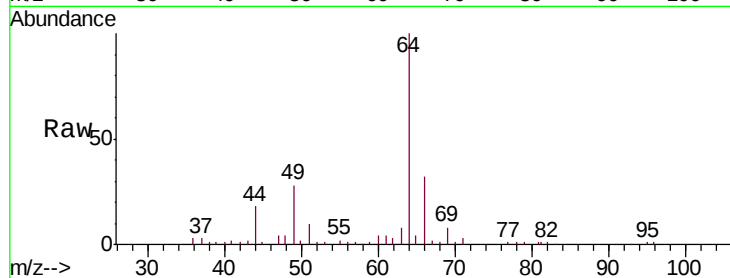
VSTD00573

Tgt Ion: 64 Resp: 25441

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV008356.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008356.D (-150) (-)

1.60

25000

20000

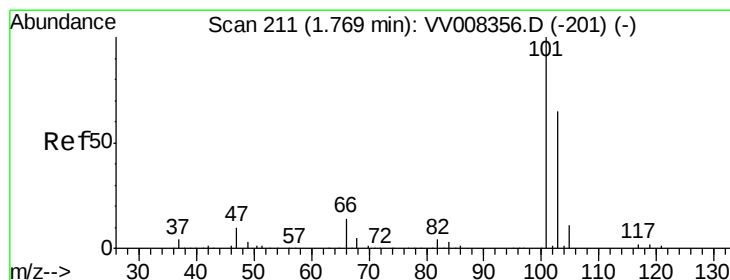
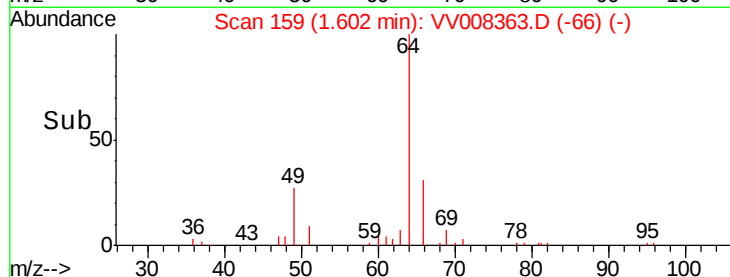
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.282 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV008363.D

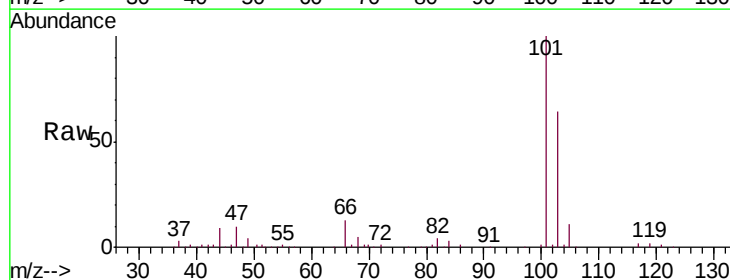
Acq: 19 Oct 2018 15:13

Tgt Ion: 101 Resp: 60629

Ion Ratio Lower Upper

101 100

103 65.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV008356.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008356.D (-201) (-)

1.77

50000

40000

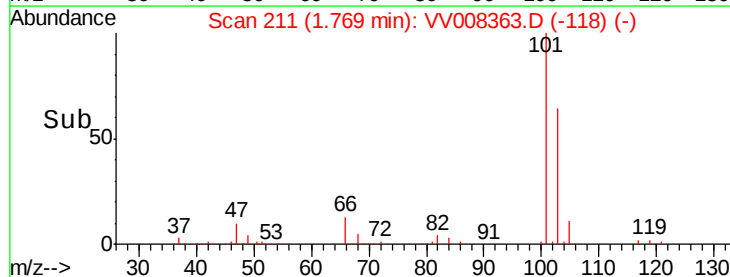
30000

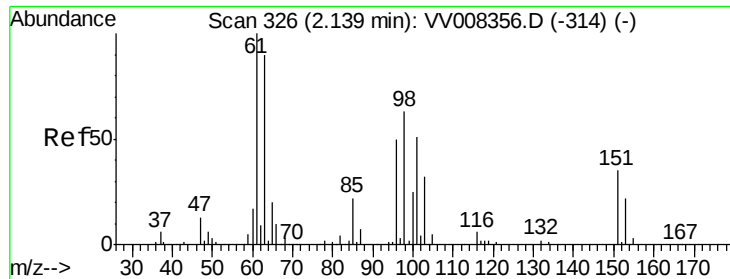
20000

10000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.320 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

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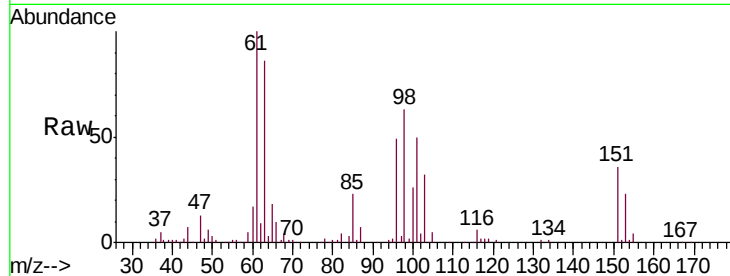
Tgt Ion:101 Resp: 34854

Ion Ratio Lower Upper

101 100

85 45.7 37.4 56.2

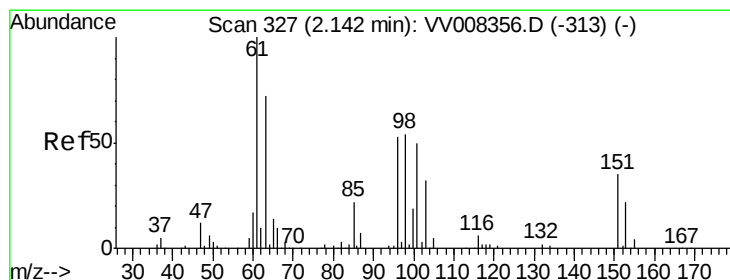
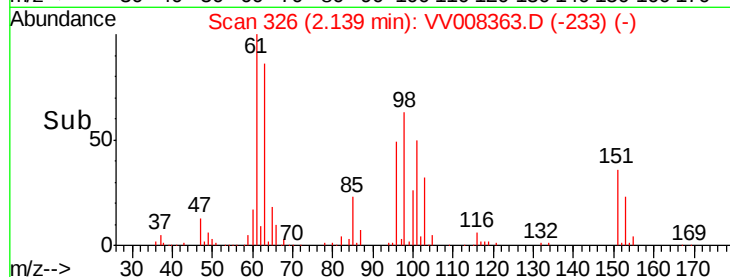
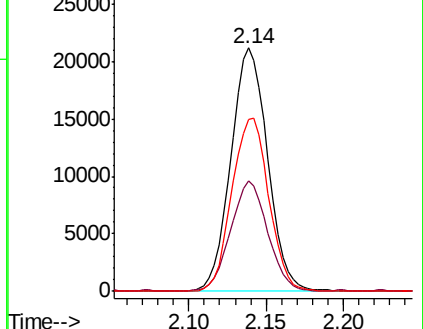
151 71.3 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): VV008356.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008356.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008356.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 5.094 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

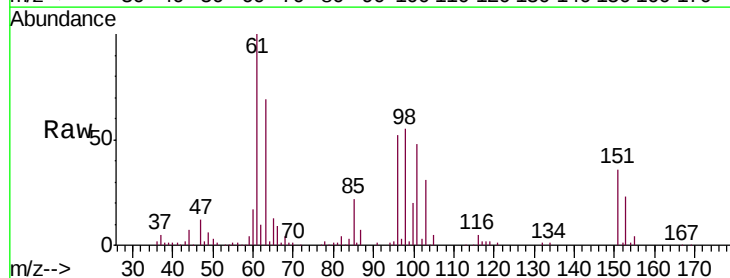
Tgt Ion: 96 Resp: 31054

Ion Ratio Lower Upper

96 100

61 192.3 129.9 241.3

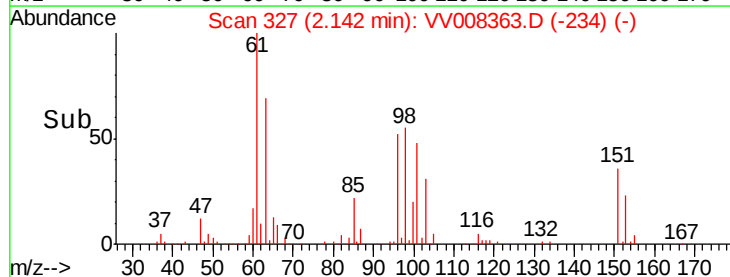
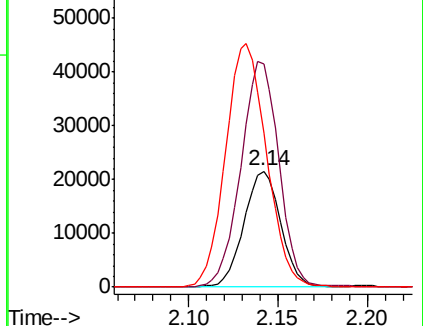
63 132.7 103.0 191.4

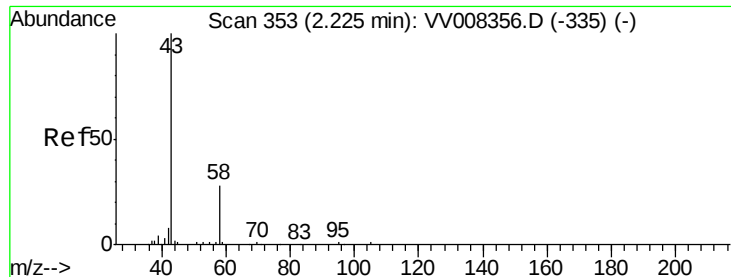


Abundance Ion 96.00 (95.70 to 96.70): VV008356.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV008356.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV008356.D (-313) (-)





#13

Acetone

Concen: 46.860 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

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ClientSampleId :

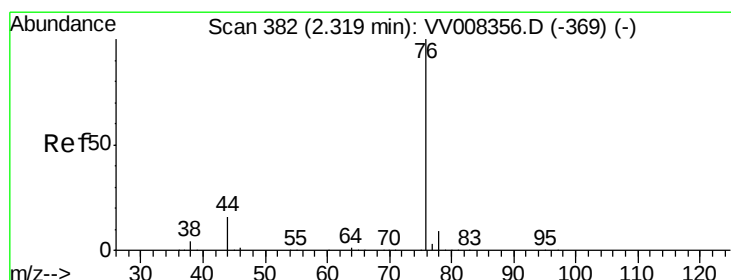
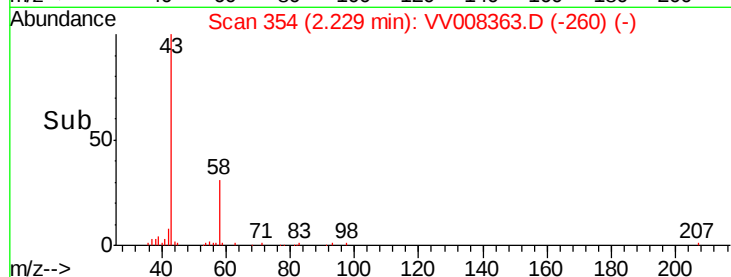
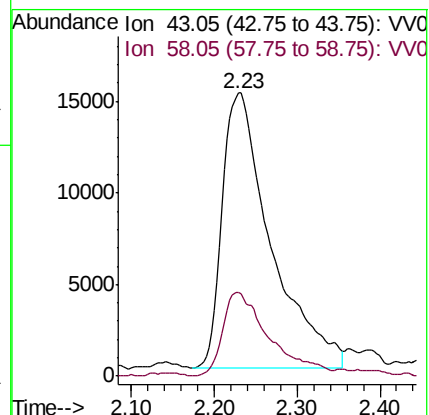
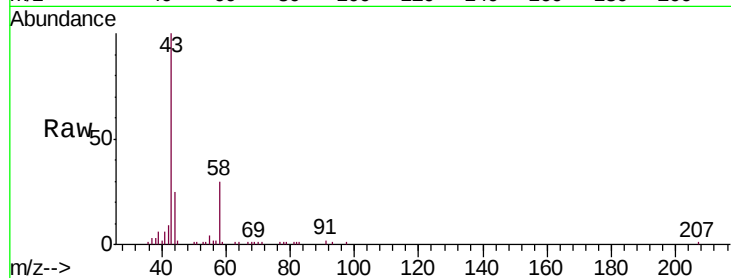
VSTD00573

Tgt Ion: 43 Resp: 60985

Ion Ratio Lower Upper

43 100

58 29.5 0.0 62.0



#14

Carbon disulfide

Concen: 4.926 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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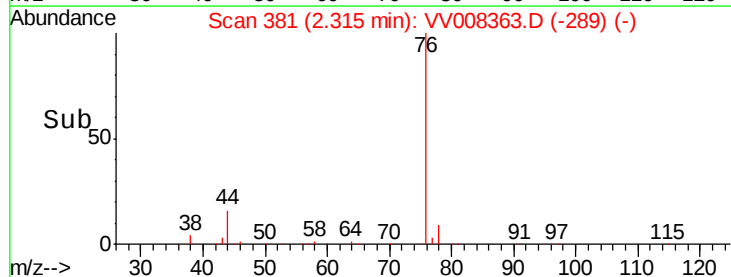
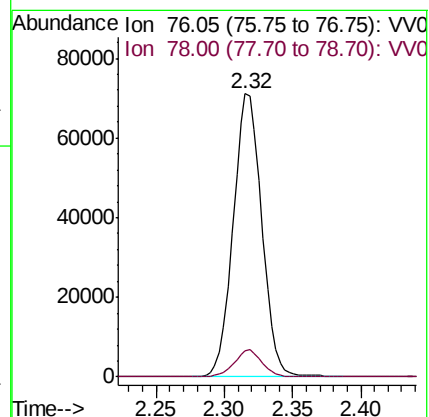
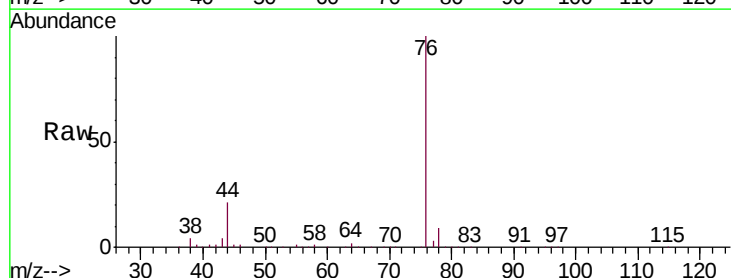
Acq: 19 Oct 2018 15:13

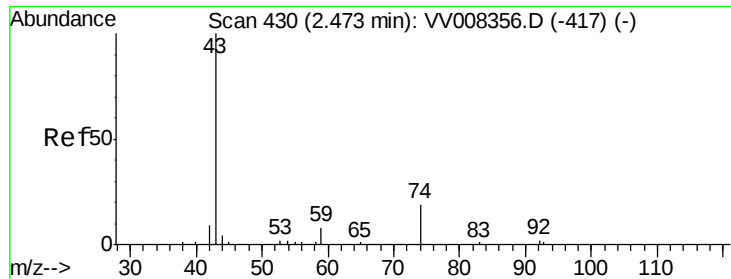
Tgt Ion: 76 Resp: 103308

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

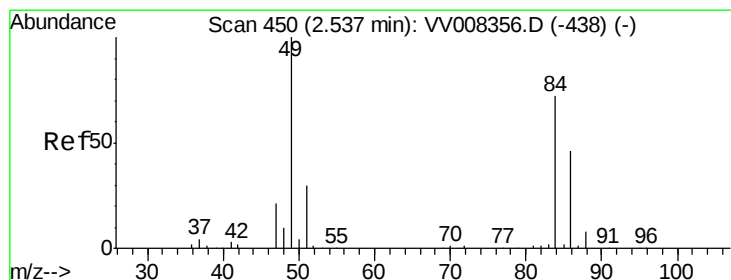
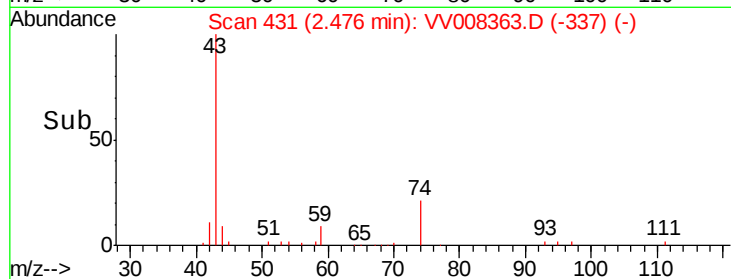
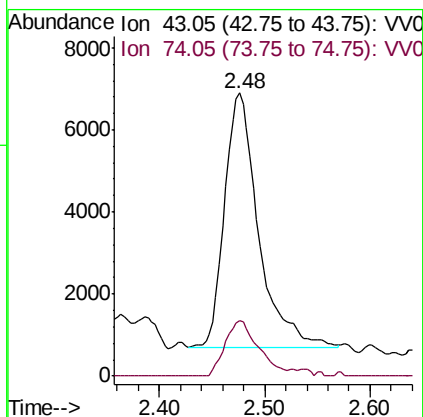
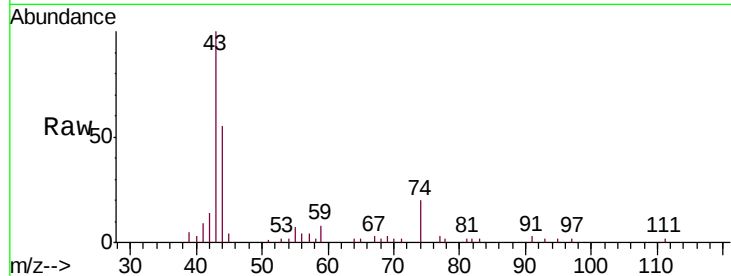




#15
Methyl Acetate
Concen: 4.290 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

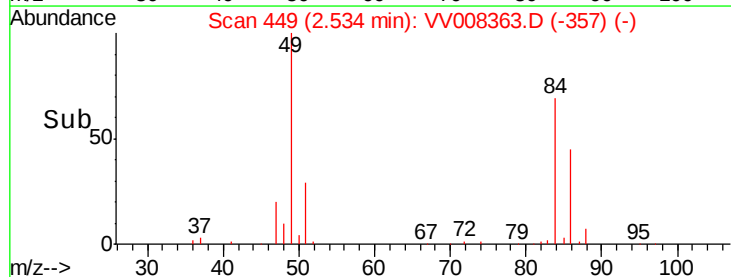
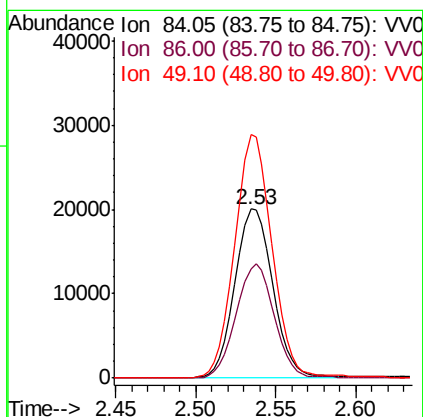
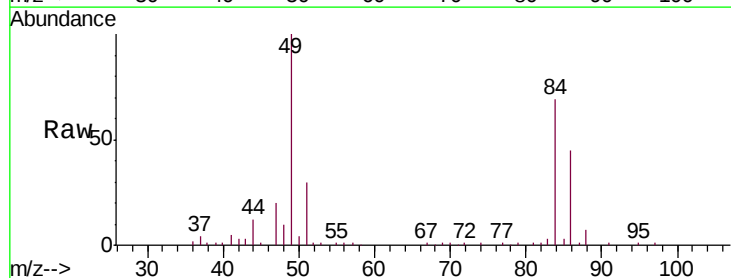
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

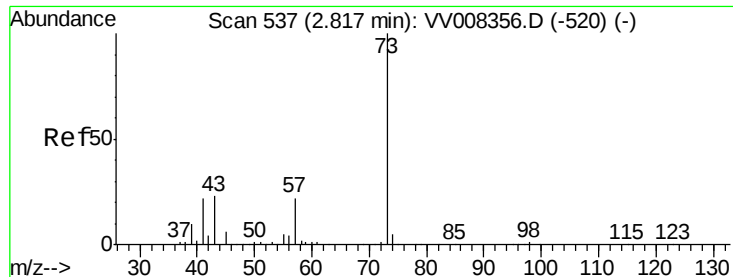
Tgt Ion: 43 Resp: 13890
Ion Ratio Lower Upper
43 100
74 21.5 20.0 30.0



#16
Methylene chloride
Concen: 4.626 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 84 Resp: 32641
Ion Ratio Lower Upper
84 100
86 64.8 45.0 83.6
49 144.1 92.9 172.5

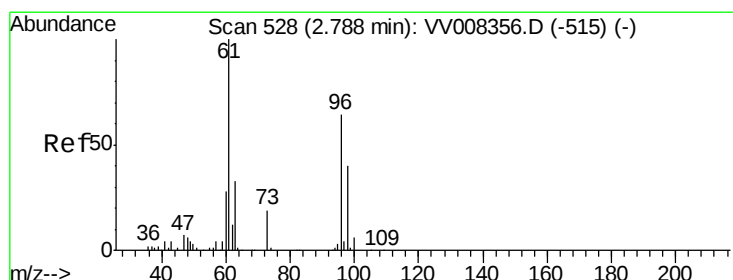
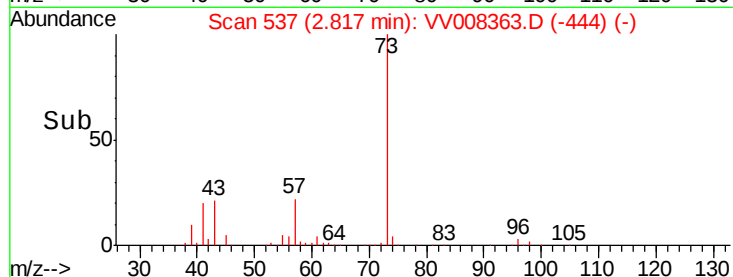
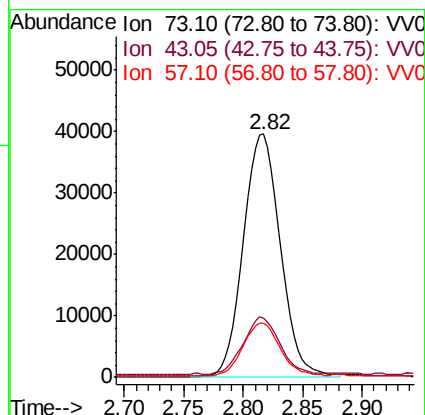
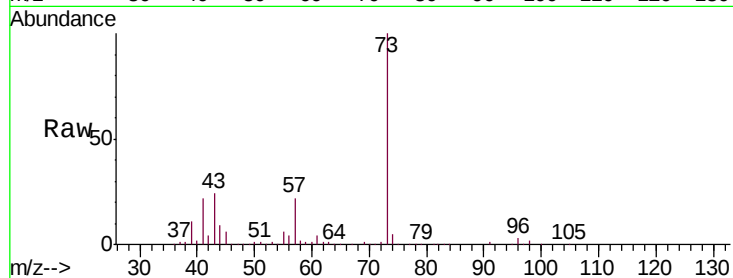




#17
Methyl tert-butyl Ether
Concen: 4.964 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

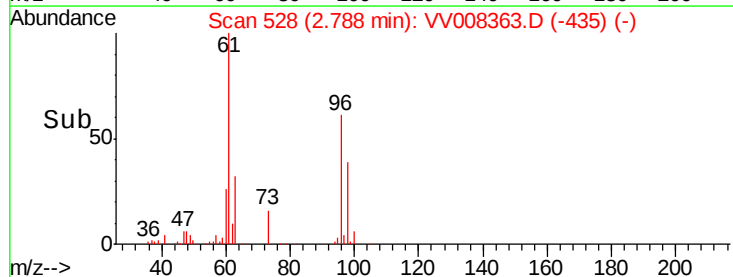
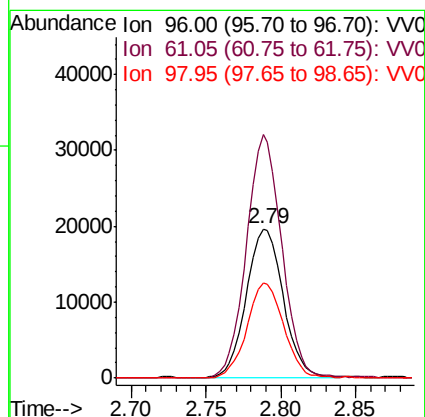
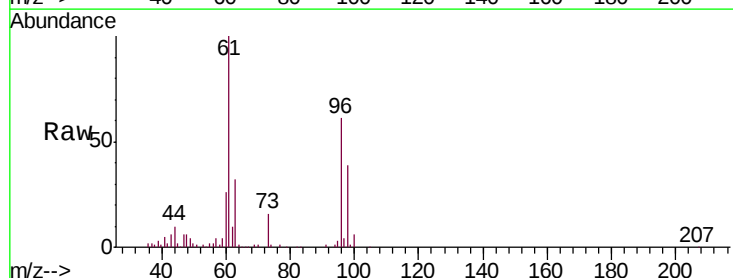
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

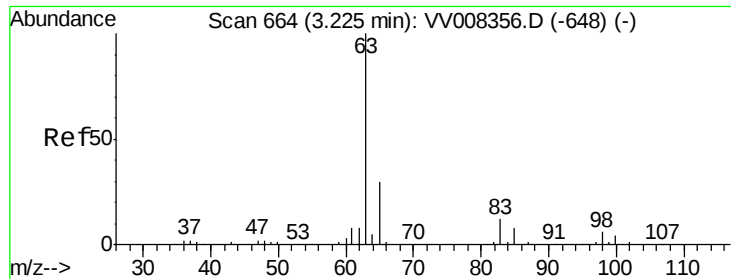
Tgt Ion: 73 Resp: 85969
Ion Ratio Lower Upper
73 100
43 22.6 19.0 28.6
57 21.9 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.171 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 96 Resp: 33916
Ion Ratio Lower Upper
96 100
61 163.0 104.6 194.2
98 63.4 44.1 81.9

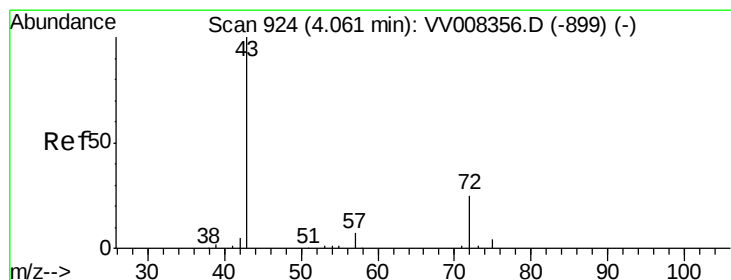
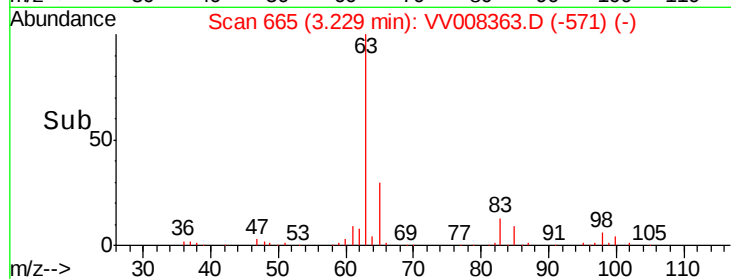
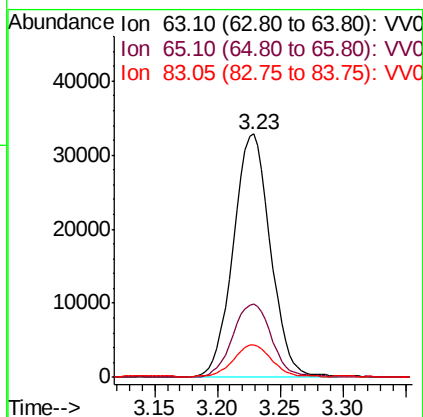
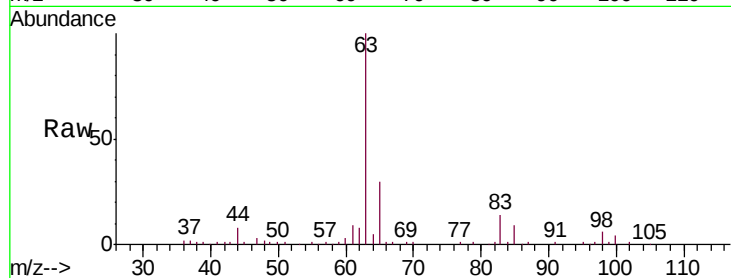




#19
 1,1-Dichloroethane
 Concen: 5.005 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

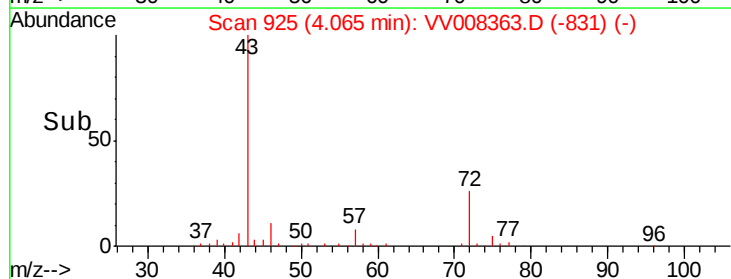
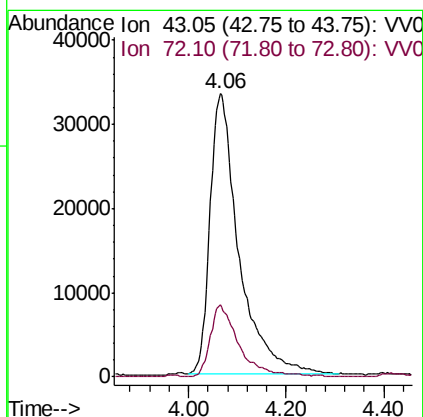
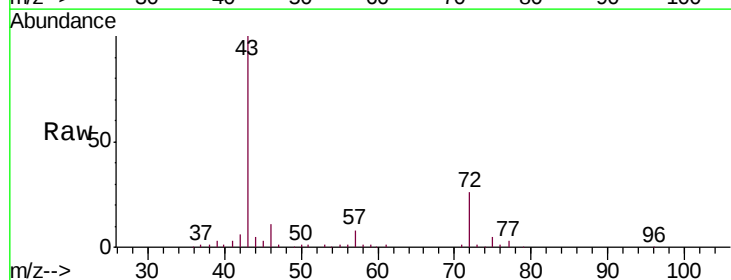
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

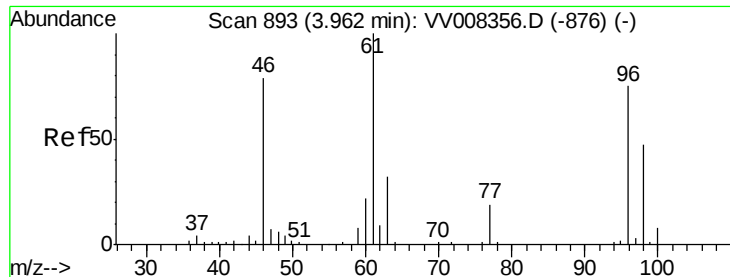
Tgt Ion: 63 Resp: 67826
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.6 42.0
 83 13.5 11.0 20.4



#21
 2-Butanone
 Concen: 50.722 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion: 43 Resp: 137067
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.9 38.7



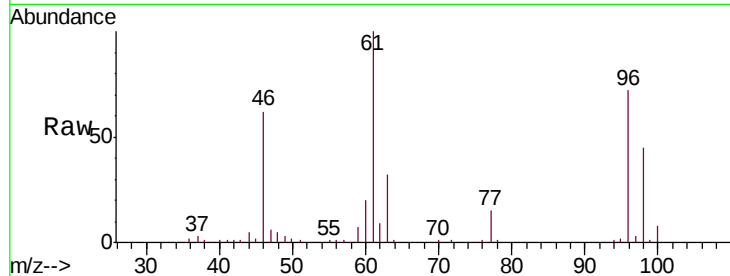


#22

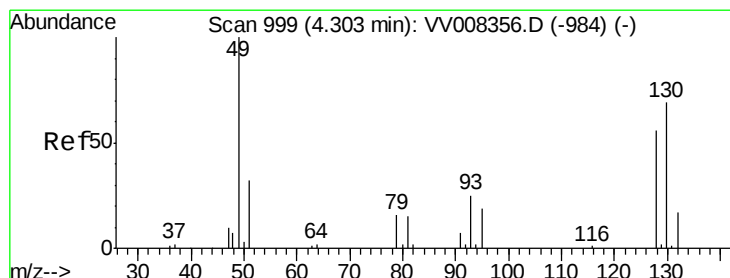
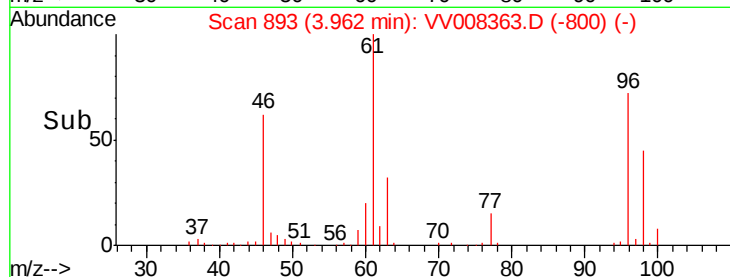
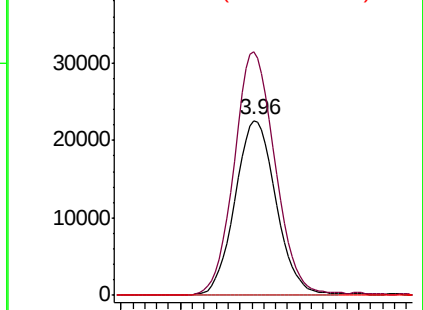
cis-1,2-Dichloroethene
Concen: 5.091 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion: 96 Resp: 53908
Ion Ratio Lower Upper
96 100
61 139.0 93.7 174.1
68 0.0 0.6 1.2#



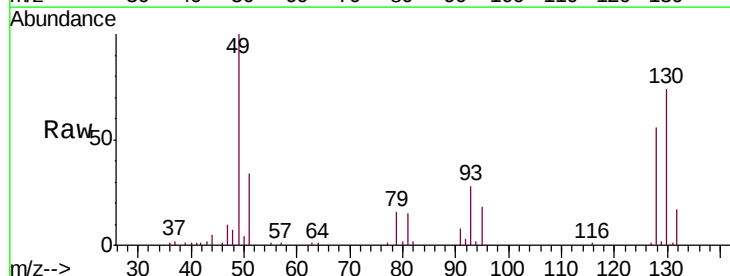
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



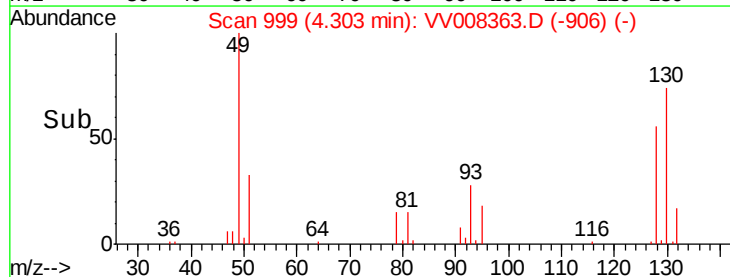
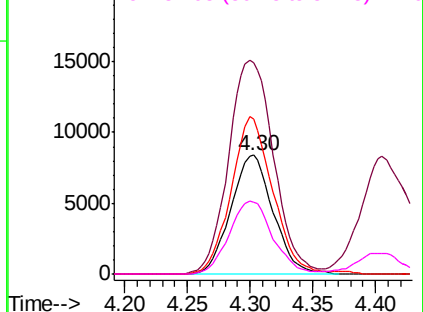
#23

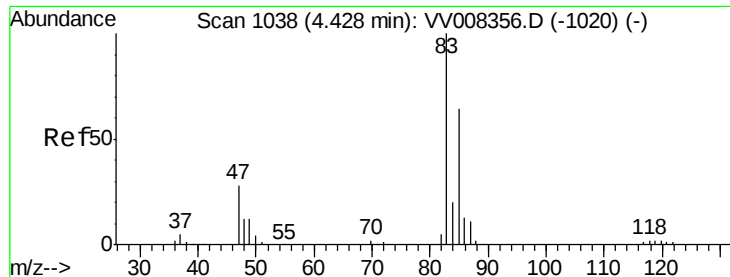
Bromochloromethane
Concen: 5.003 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 128 Resp: 19643
Ion Ratio Lower Upper
128 100
49 177.4 131.3 243.9
130 130.7 86.0 159.8
51 60.7 50.9 76.3



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

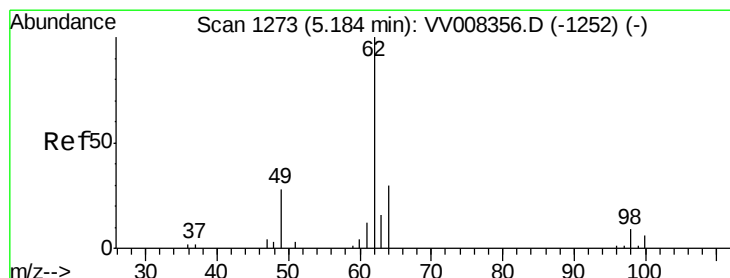
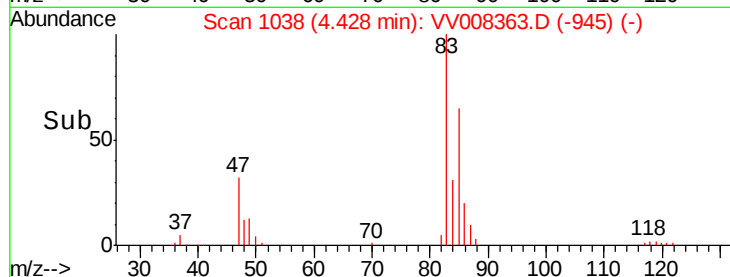
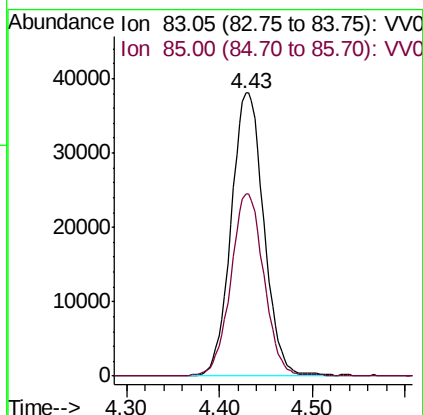
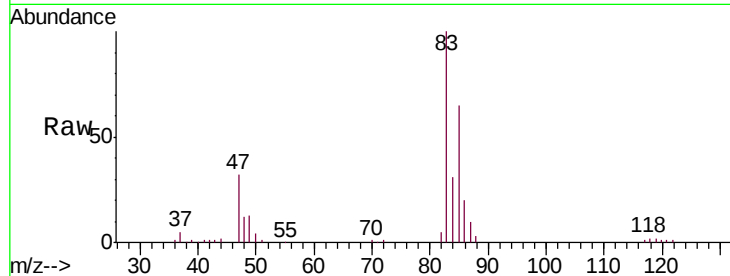




#25
Chloroform
Concen: 5.608 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

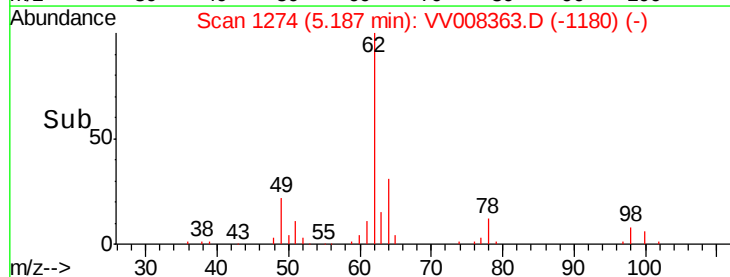
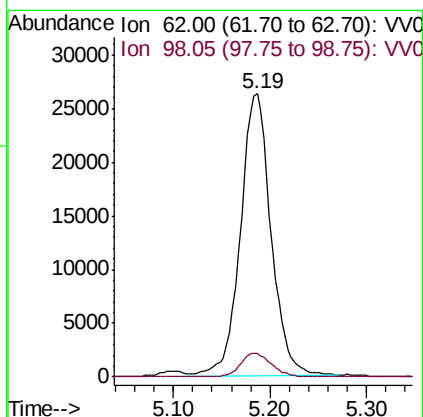
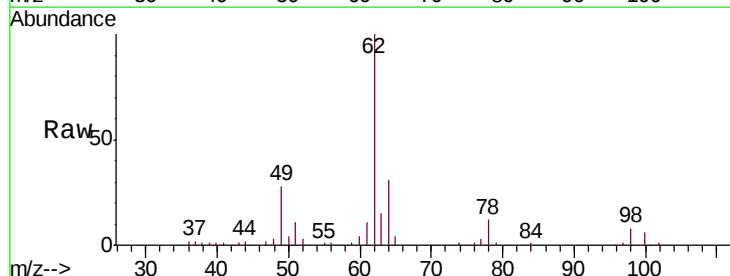
Instrument :
MSVOA_V
ClientSampled :
VSTD00573

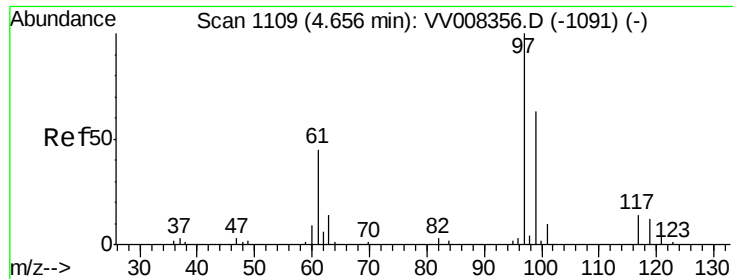
Tgt Ion: 83 Resp: 93133
Ion Ratio Lower Upper
83 100
85 64.5 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.848 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 62 Resp: 57741
Ion Ratio Lower Upper
62 100
98 8.2 7.6 11.4

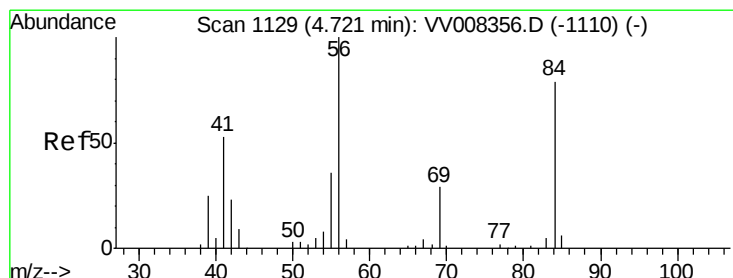
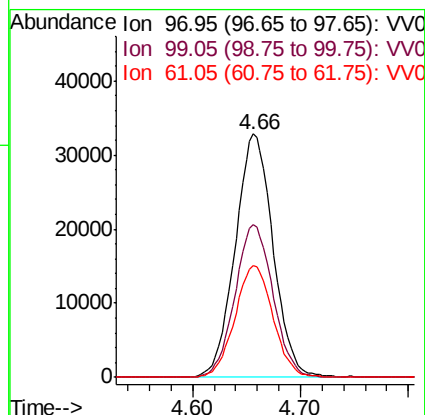
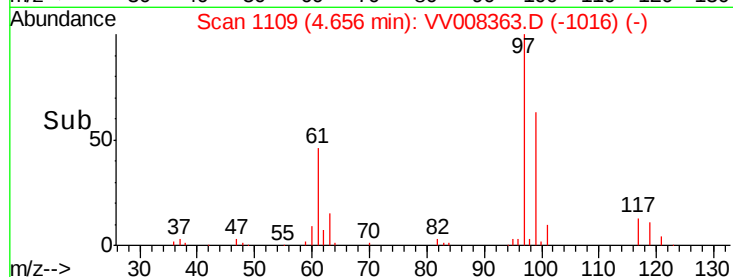
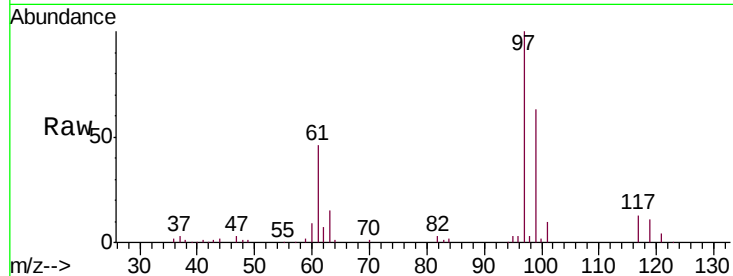




#29
 1,1,1-Trichloroethane
 Concen: 5.636 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

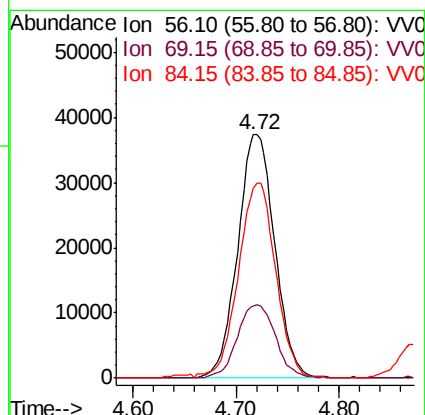
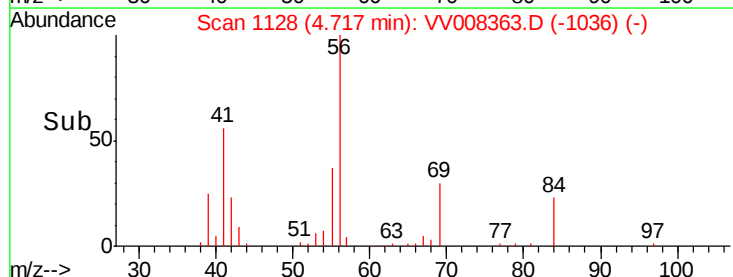
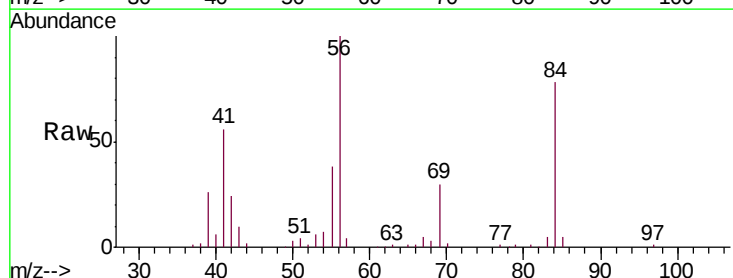
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

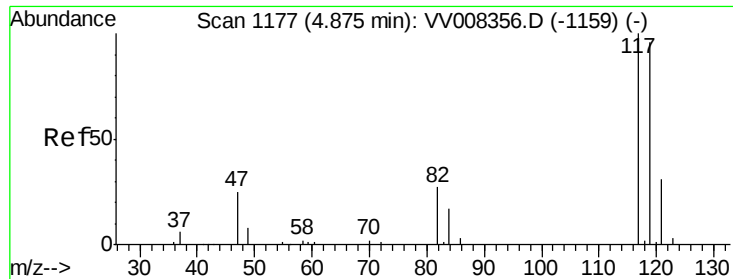
Tgt Ion: 97 Resp: 80200
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.6 77.4
 61 46.0 37.0 55.6



#30
 Cyclohexane
 Concen: 5.222 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion: 56 Resp: 93405
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.3 36.5
 84 80.6 64.1 96.1





#31

Carbon tetrachloride

Concen: 5.567 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

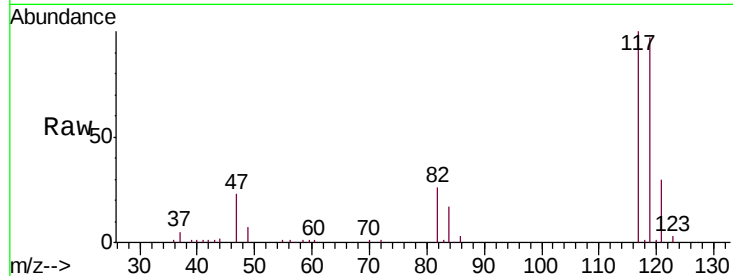
VSTD00573

Tgt Ion:117 Resp: 66607

Ion Ratio Lower Upper

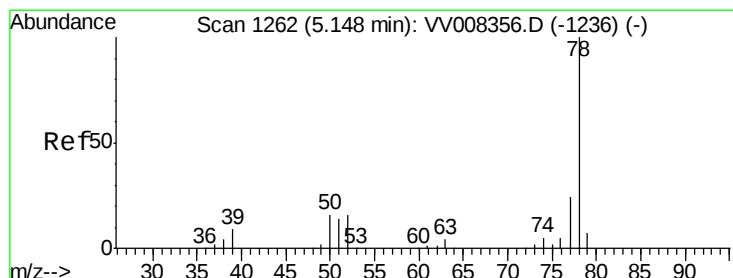
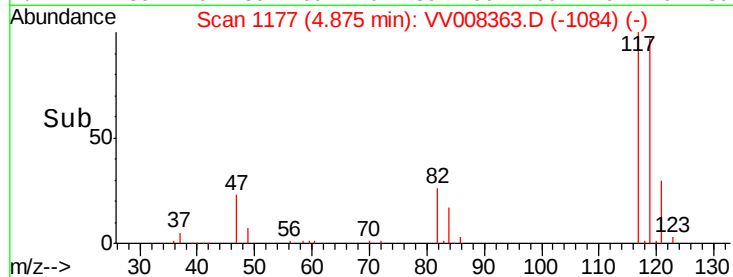
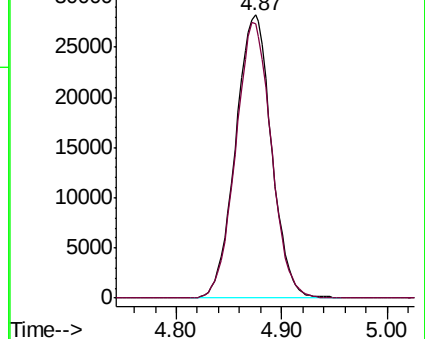
117 100

119 96.4 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.354 ug/L

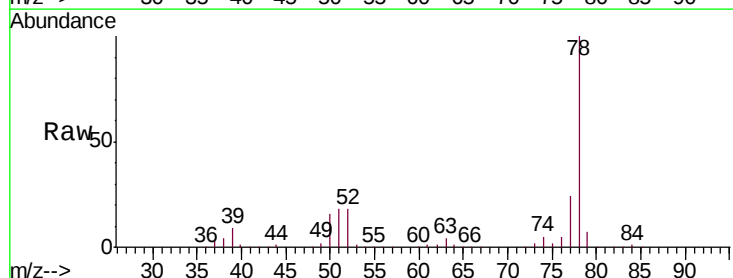
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

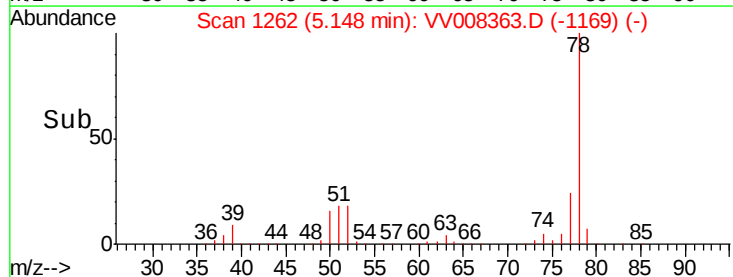
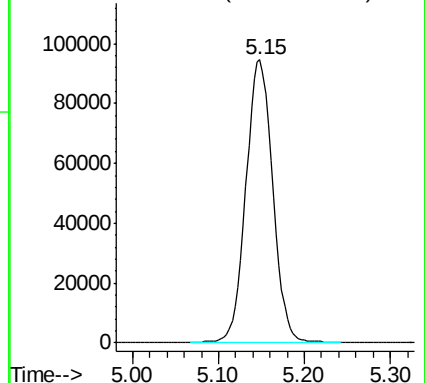
Lab File: VV008363.D

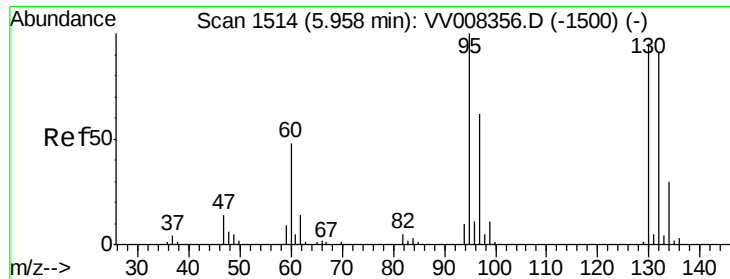
Acq: 19 Oct 2018 15:13

Tgt Ion: 78 Resp: 206172



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.565 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

Tgt Ion: 95 Resp: 59388

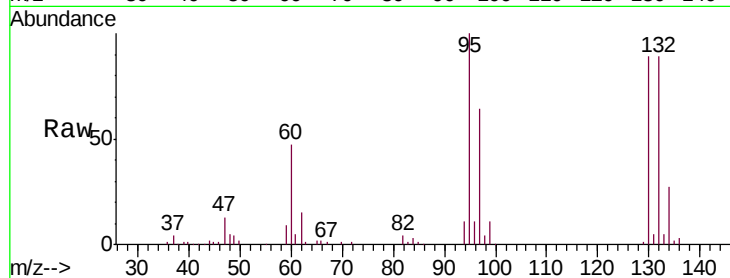
Ion Ratio Lower Upper

95 100

97 63.8 44.4 82.4

132 89.1 60.4 112.2

130 88.9 65.5 121.7

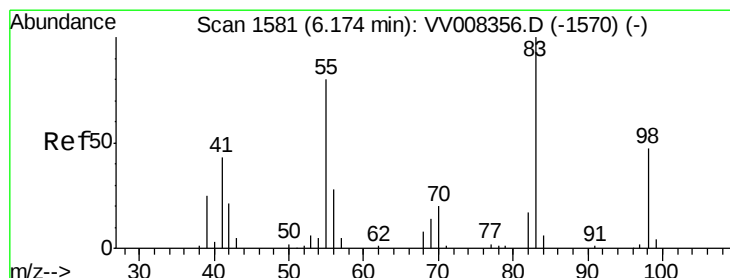
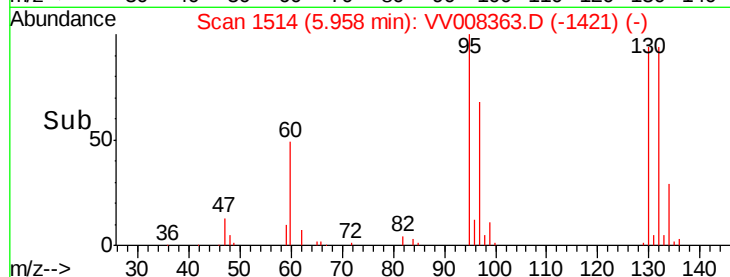
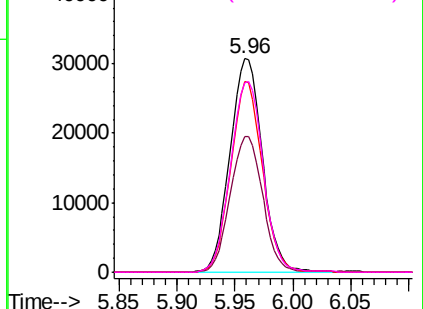


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.299 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

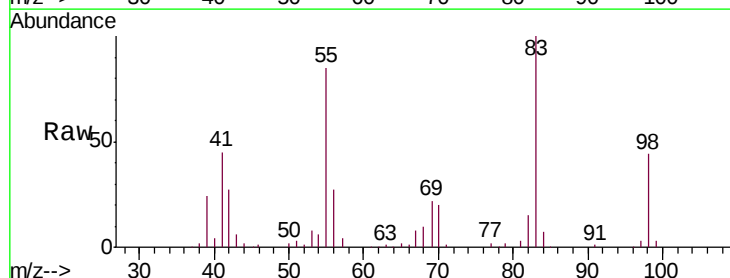
Tgt Ion: 83 Resp: 95359

Ion Ratio Lower Upper

83 100

55 82.8 64.0 96.0

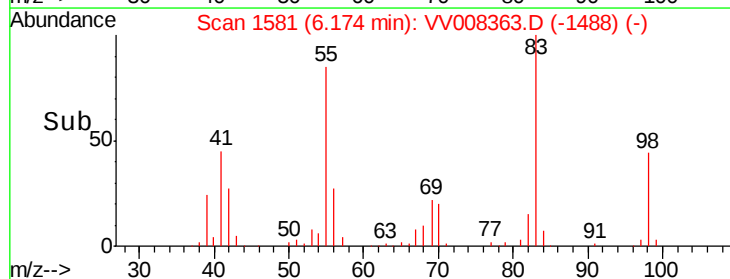
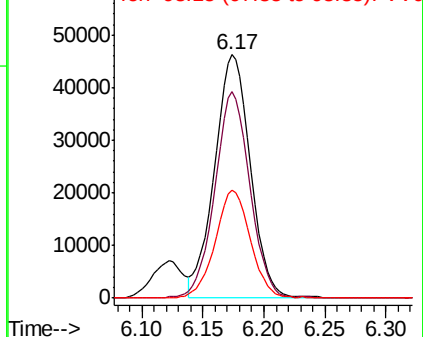
98 43.5 37.0 55.4

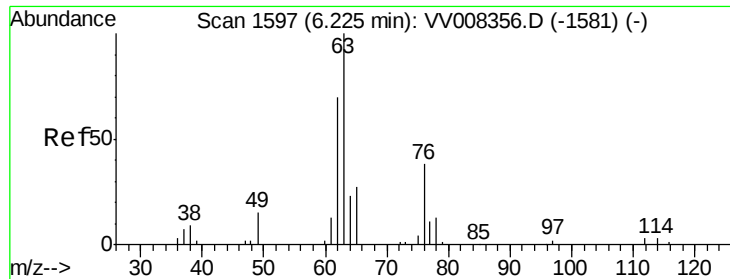


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

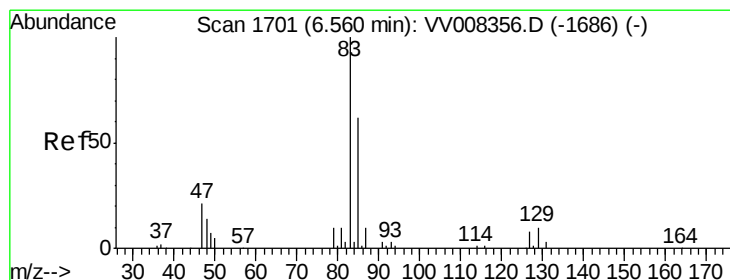
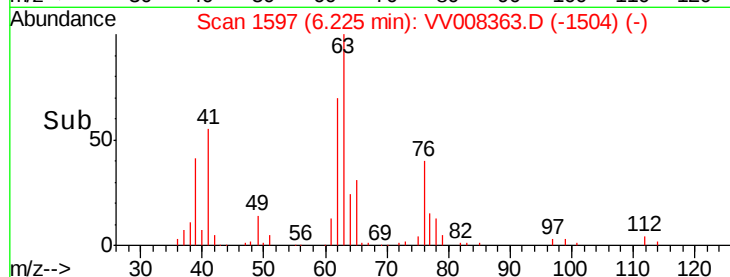
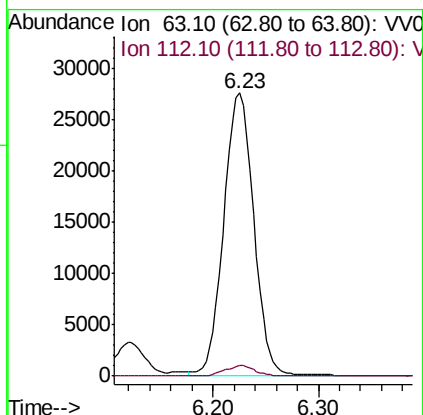
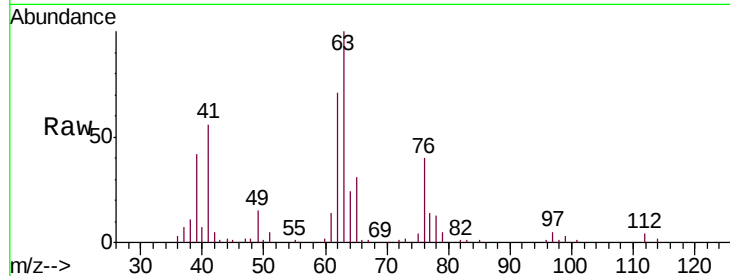




#37
 1,2-Dichloropropane
 Concen: 5.284 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

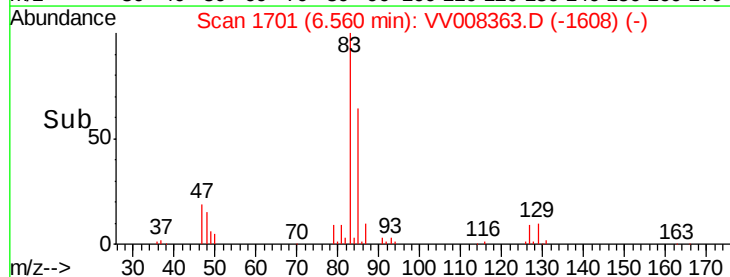
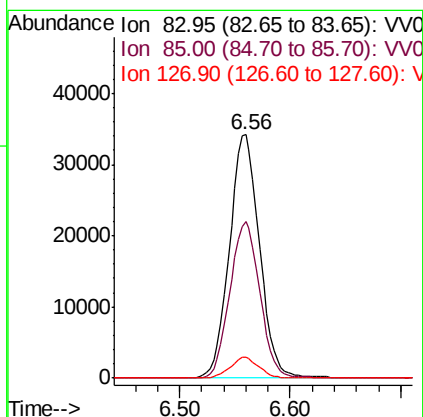
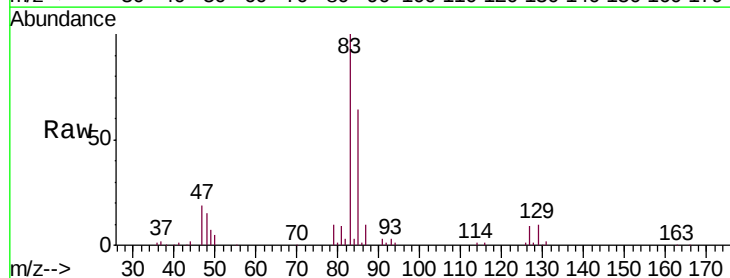
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

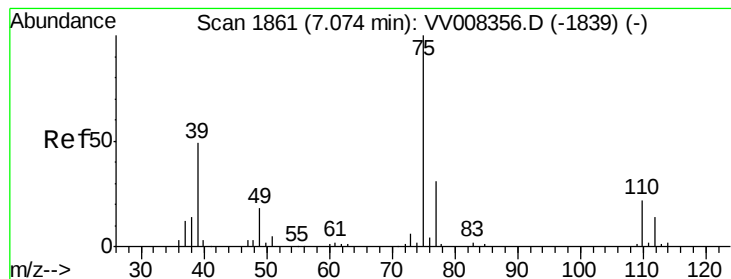
Tgt Ion: 63 Resp: 54901
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.6 3.8



#38
 Bromodichloromethane
 Concen: 5.539 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion: 83 Resp: 64651
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.3 82.3
 127 8.6 6.6 10.0



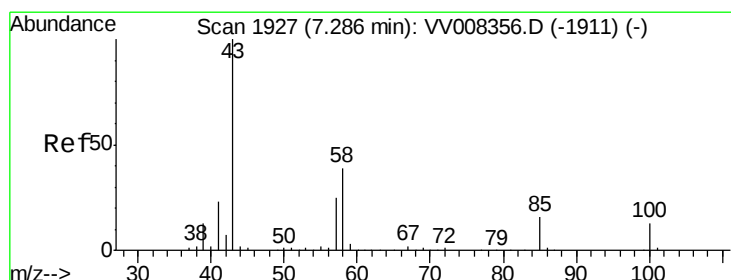
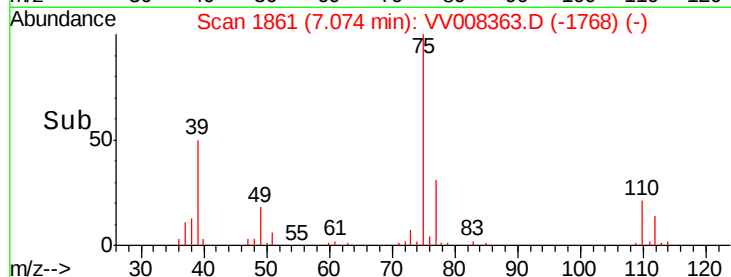
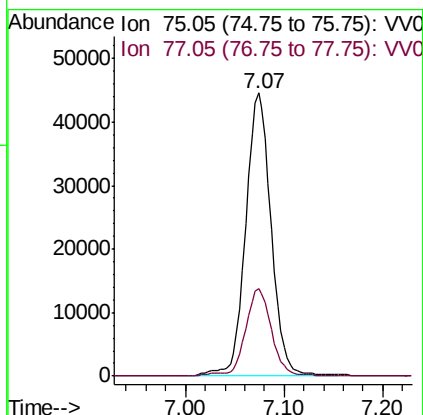
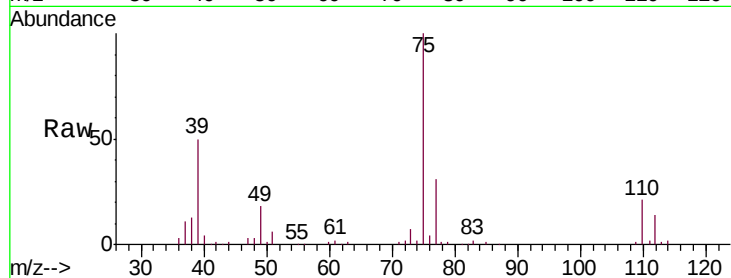


#39

cis-1,3-Dichloropropene
 Concen: 5.359 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

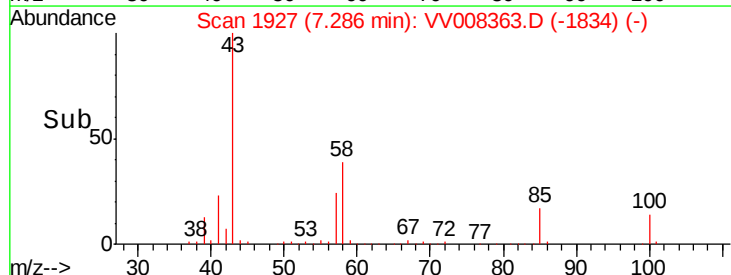
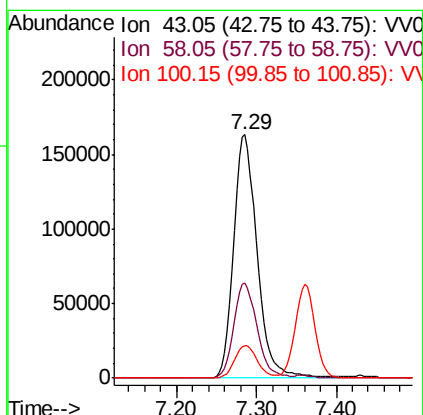
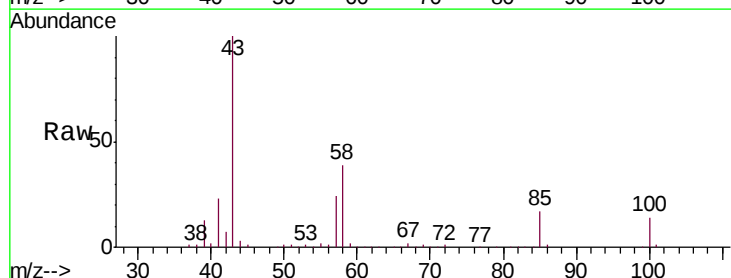
Tgt Ion: 75 Resp: 79442
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.3

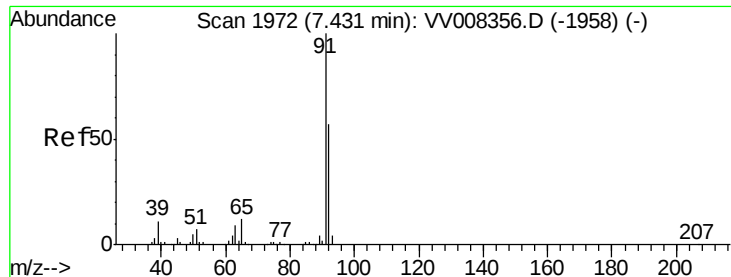


#40

4-Methyl-2-pentanone
 Concen: 50.734 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion: 43 Resp: 322835
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.3 46.9
 100 13.0 10.5 15.7





#42

Toluene

Concen: 5.353 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

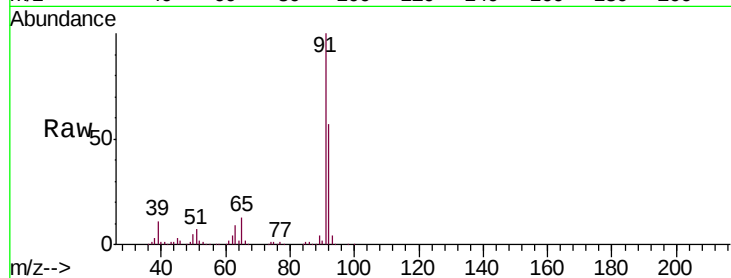
VSTD00573

Tgt Ion: 91 Resp: 214865

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV008363.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV008363.D (-1879) (-)

7.43

150000

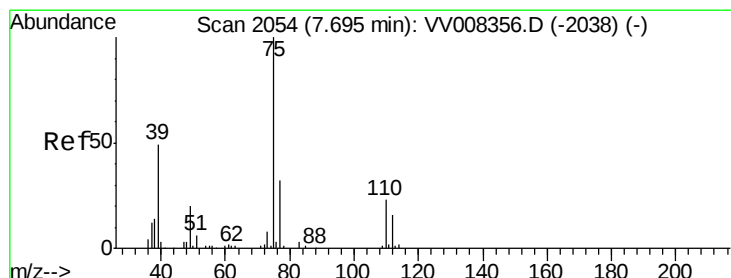
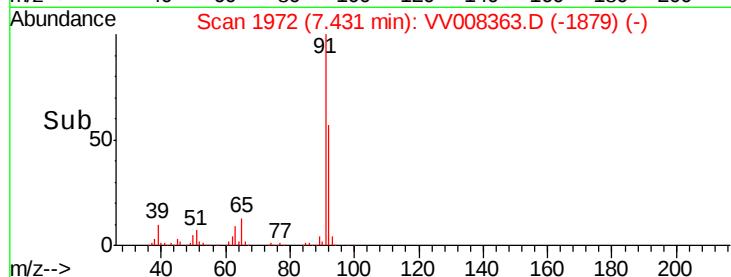
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.266 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008363.D

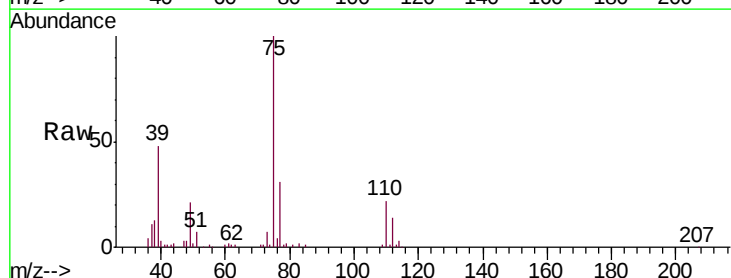
Acq: 19 Oct 2018 15:13

Tgt Ion: 75 Resp: 62476

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV008363.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV008363.D (-1961) (-)

7.70

40000

30000

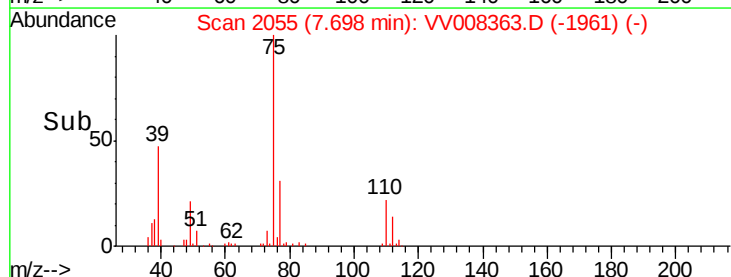
20000

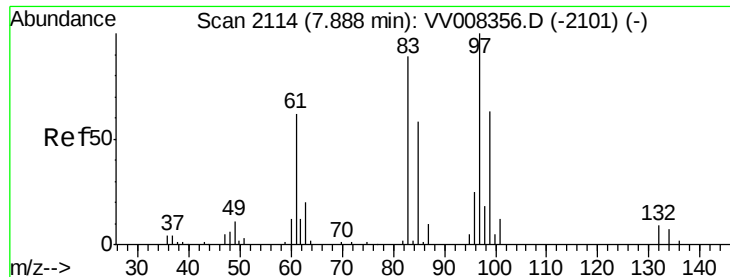
10000

0

7.60 7.70 7.80

Time-->

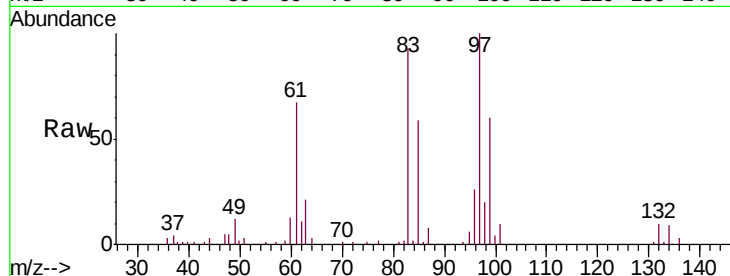




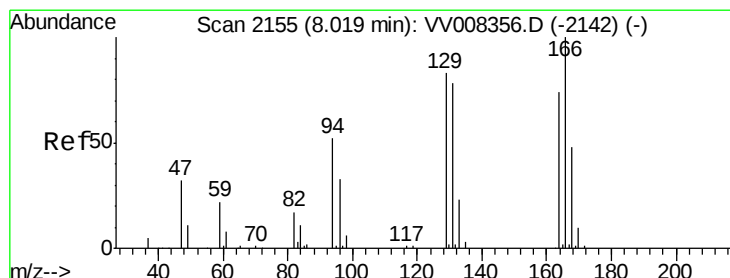
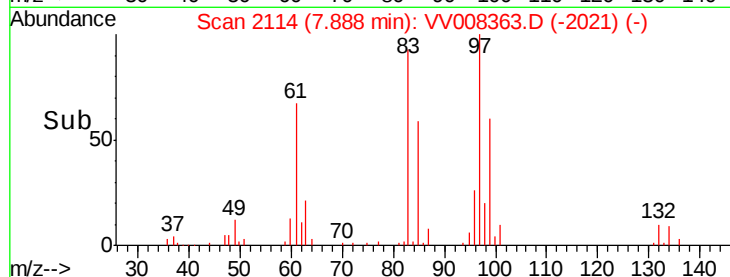
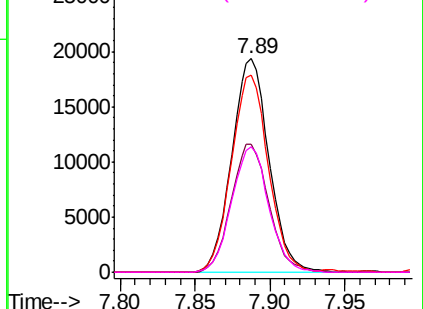
#45
1,1,2-Trichloroethane
Concen: 5.201 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion:	97	Resp:	33544
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.1	81.9
83	92.6	63.7	118.3
85	58.9	40.7	75.7

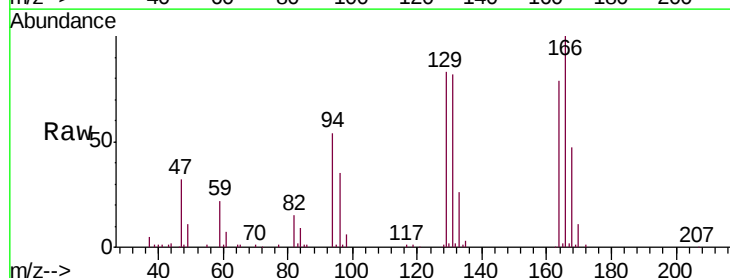


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

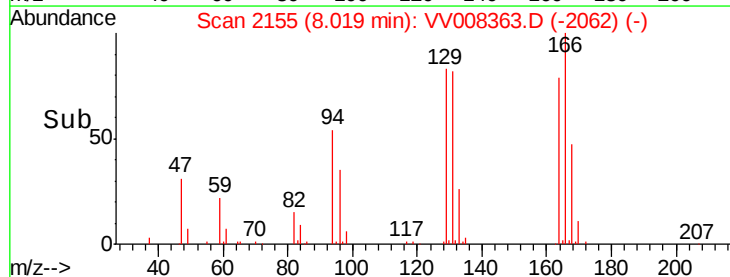
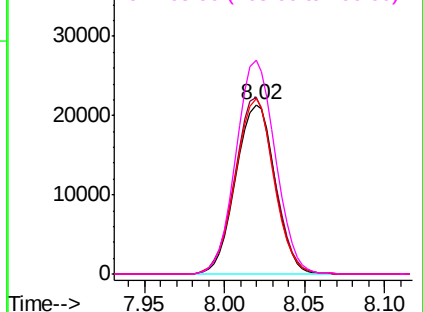


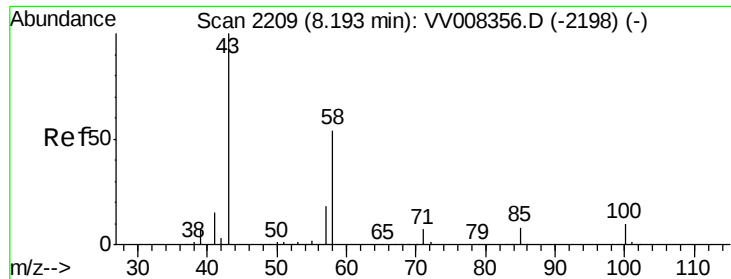
#47
Tetrachloroethene
Concen: 5.348 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Tgt Ion:	164	Resp:	35758
Ion	Ratio	Lower	Upper
164	100		
129	104.4	76.5	142.1
131	103.2	74.7	138.7
166	125.9	91.6	170.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

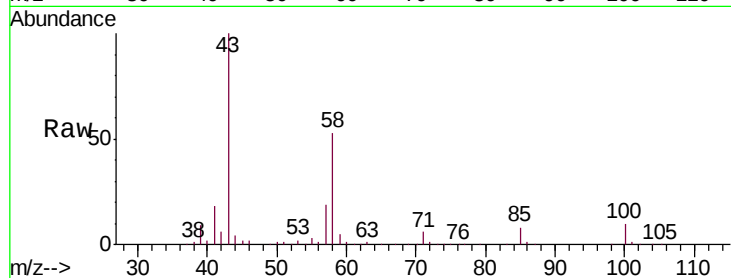




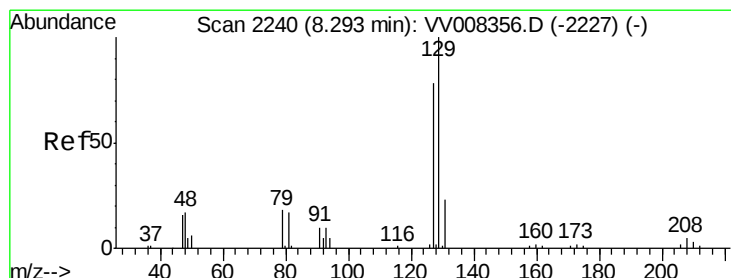
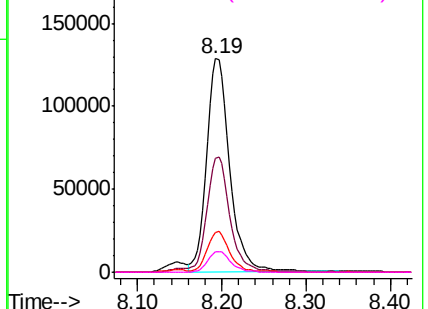
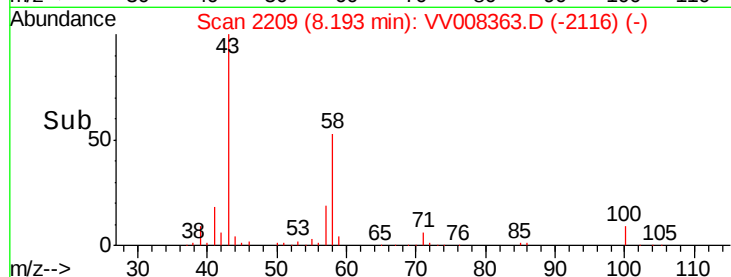
#48
2-Hexanone
Concen: 52.355 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion:	43	Resp:	243495
Ion	Ratio	Lower	Upper
43	100		
58	55.7	45.0	67.4
57	18.4	14.4	21.6
100	9.8	7.9	11.9

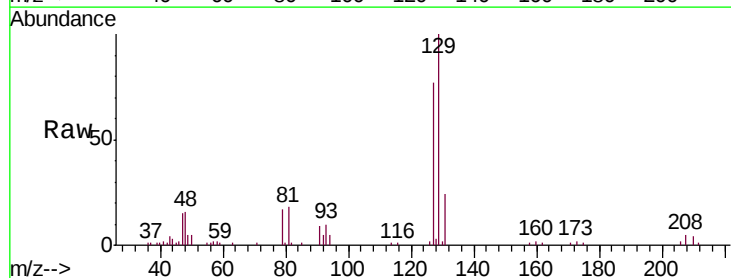


Abundance Ion 43.05 (42.75 to 43.75): VV008363.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV008363.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV008363.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV008363.D (-2116) (-)

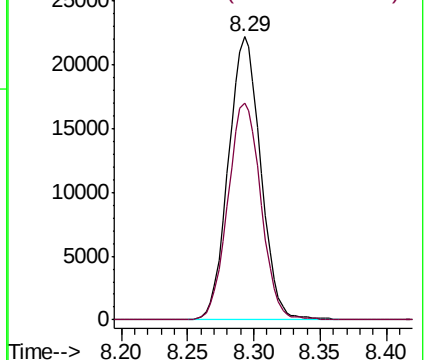
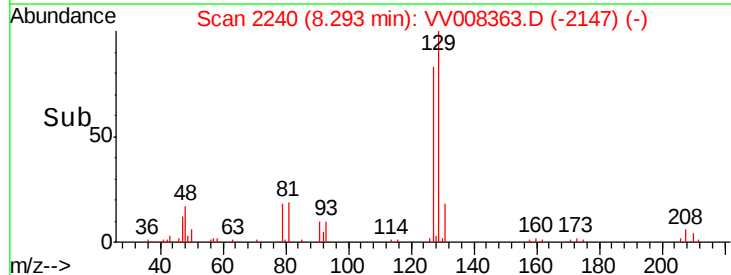


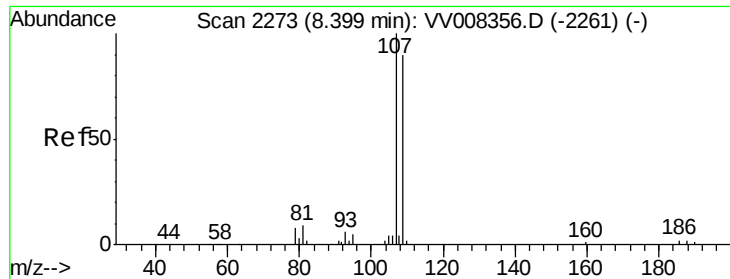
#49
Dibromochloromethane
Concen: 5.108 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008363.D
Acq: 19 Oct 2018 15:13

Tgt Ion:	129	Resp:	37554
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV008363.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV008363.D (-2147) (-)

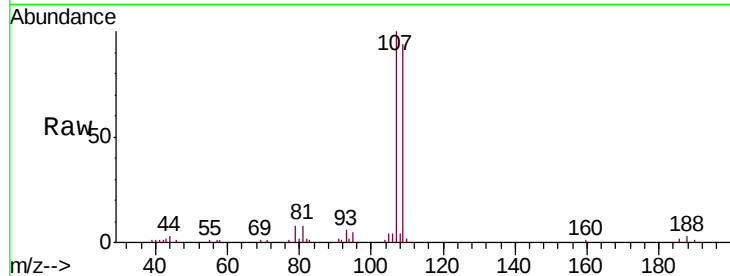




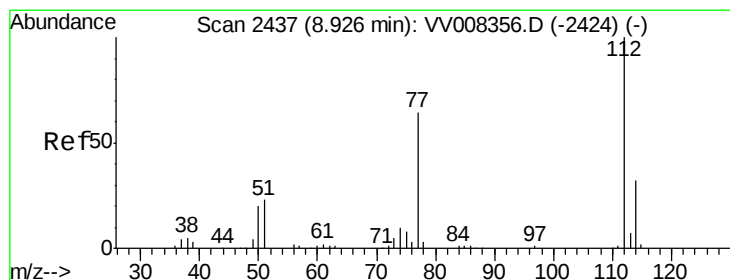
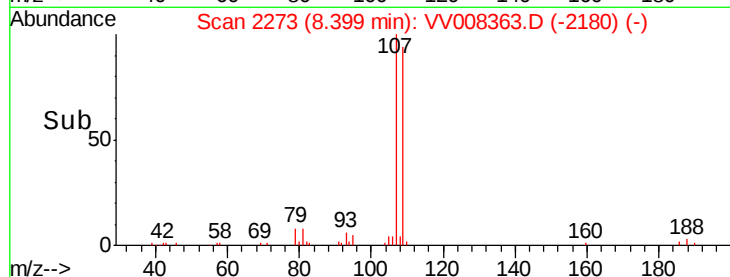
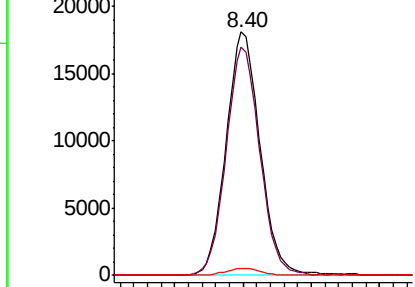
#50
 1,2-Dibromoethane
 Concen: 5.163 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion:107 Resp: 31216
 Ion Ratio Lower Upper
 107 100
 109 93.6 69.6 129.2
 188 2.9 2.9 4.3#

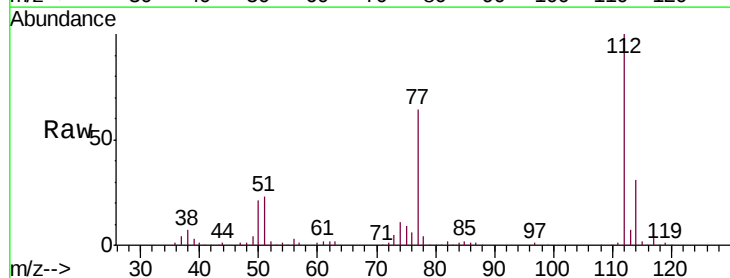


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

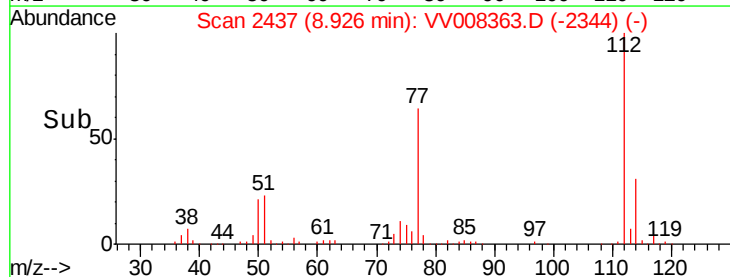
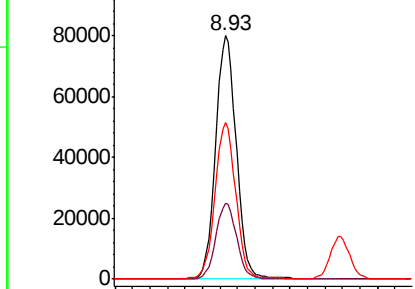


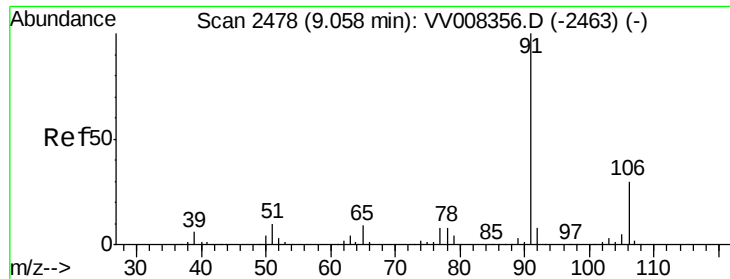
#51
 Chlorobenzene
 Concen: 5.528 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion:112 Resp: 131844
 Ion Ratio Lower Upper
 112 100
 114 31.0 21.6 40.0
 77 64.4 49.7 74.5



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.524 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

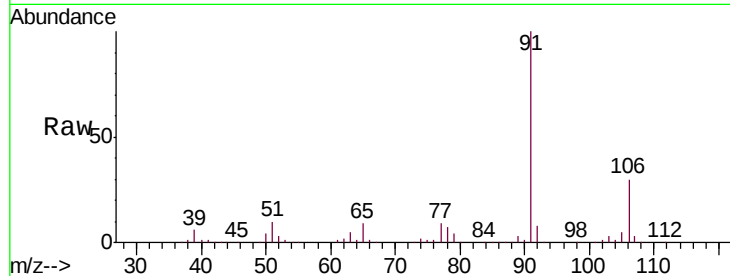
VSTD00573

Tgt Ion: 91 Resp: 243810

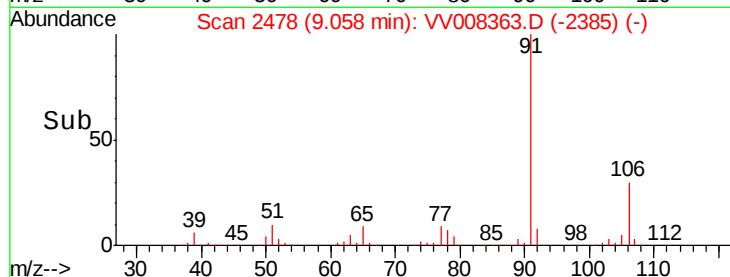
Ion Ratio Lower Upper

91 100

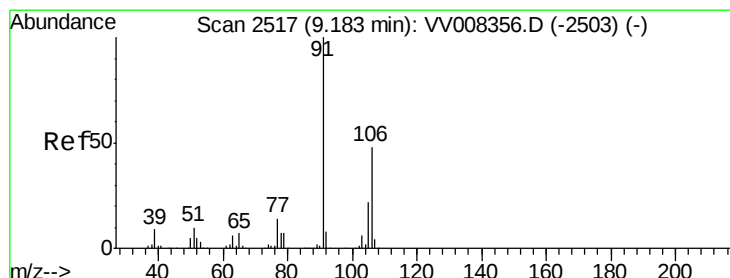
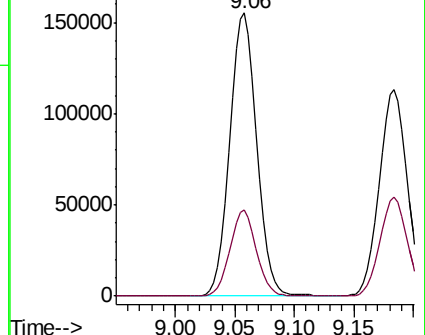
106 30.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV008363.D (-2385) (-)



Ion 106.15 (105.85 to 106.85): VV008363.D (-2385) (-)



#53

m,p-xylene

Concen: 5.512 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008363.D

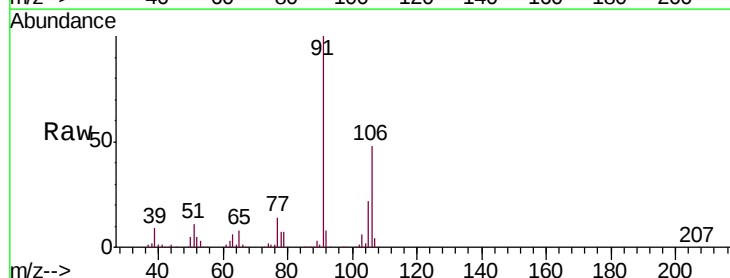
Acq: 19 Oct 2018 15:13

Tgt Ion: 106 Resp: 87991

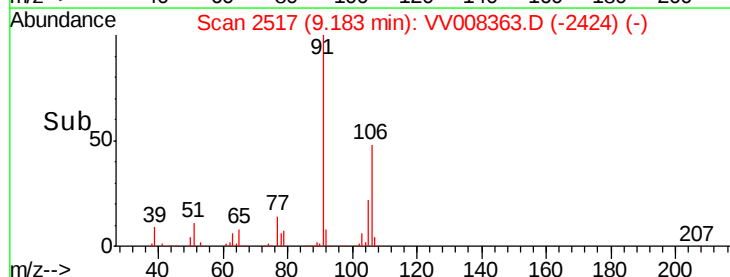
Ion Ratio Lower Upper

106 100

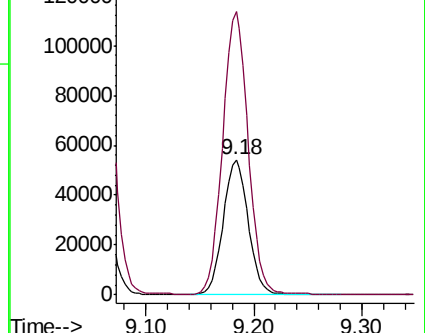
91 209.3 145.2 269.6

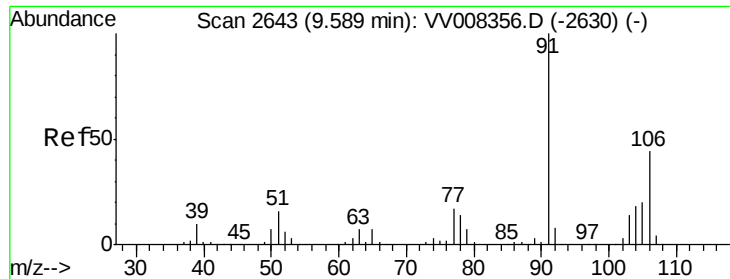


Abundance Ion 106.15 (105.85 to 106.85): VV008363.D (-2424) (-)



Ion 91.15 (90.85 to 91.85): VV008363.D (-2424) (-)





#54

o-xylene

Concen: 5.284 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

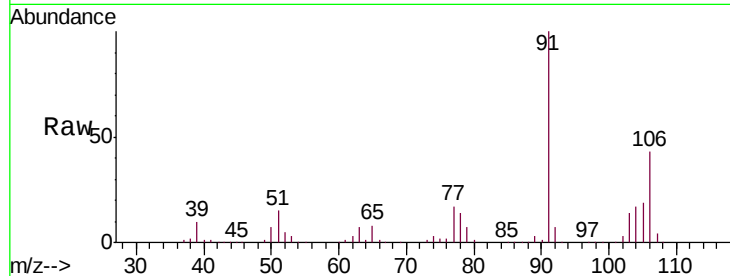
VSTD00573

Tgt Ion:106 Resp: 84045

Ion Ratio Lower Upper

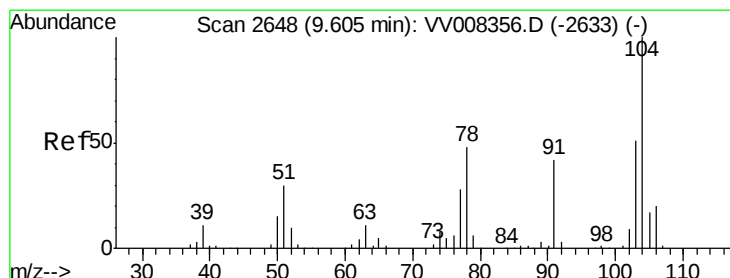
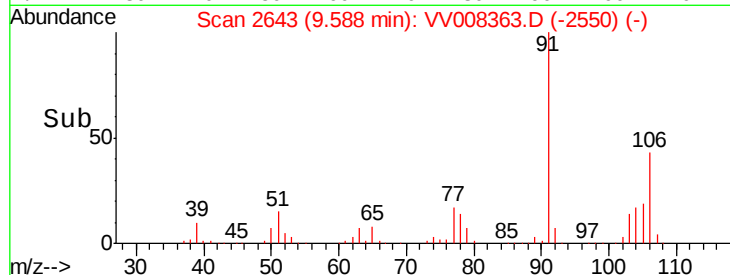
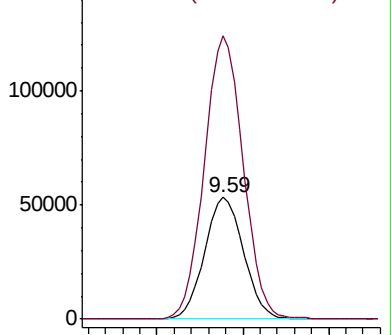
106 100

91 232.5 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.475 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008363.D

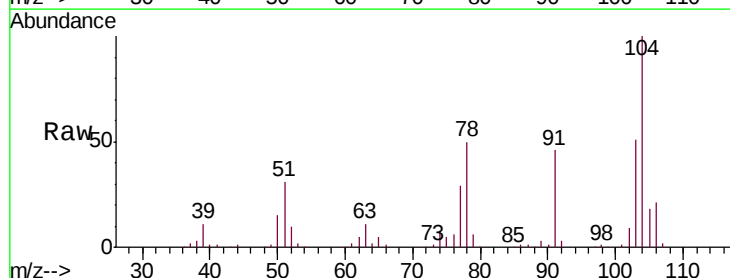
Acq: 19 Oct 2018 15:13

Tgt Ion:104 Resp: 140114

Ion Ratio Lower Upper

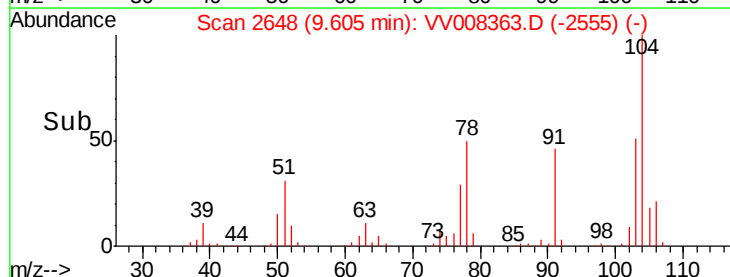
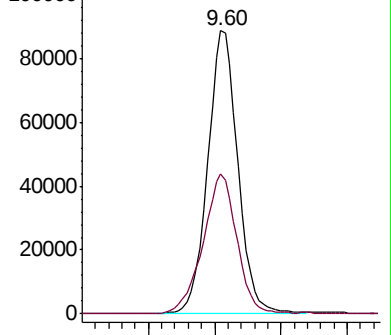
104 100

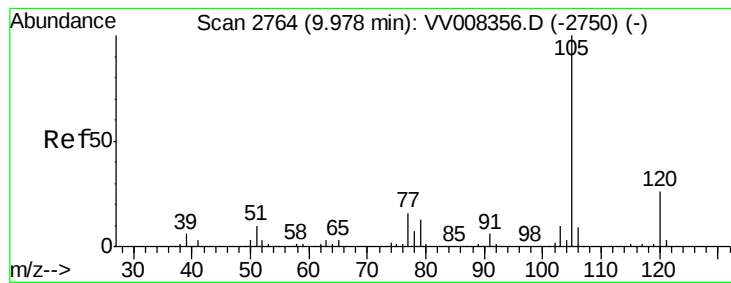
78 49.7 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.568 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

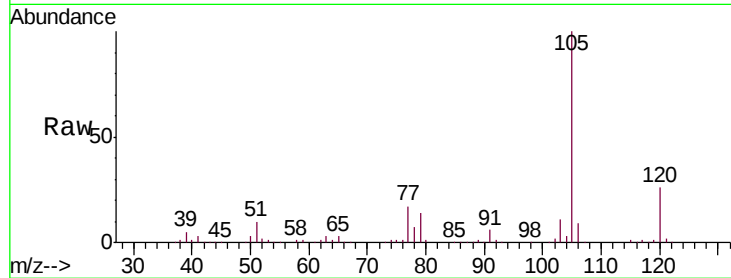
Tgt Ion: 105 Resp: 233355

Ion Ratio Lower Upper

105 100

120 25.4 21.2 31.8

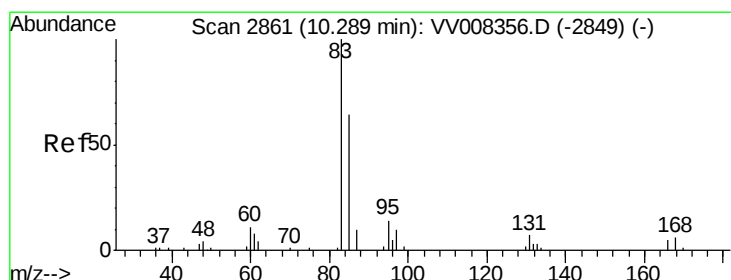
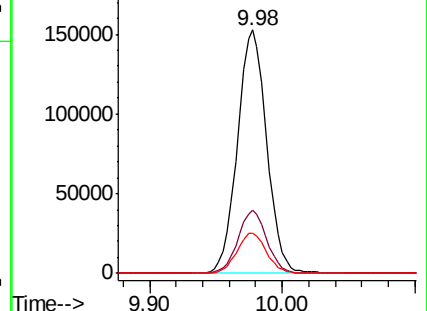
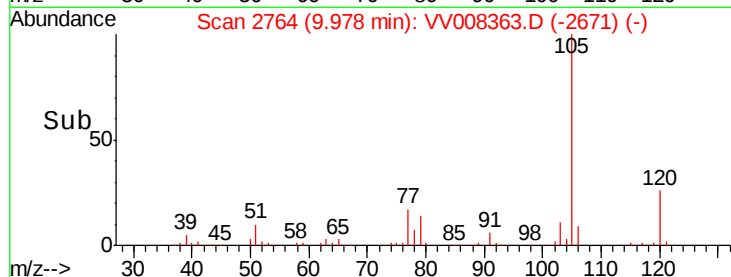
77 16.7 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.526 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

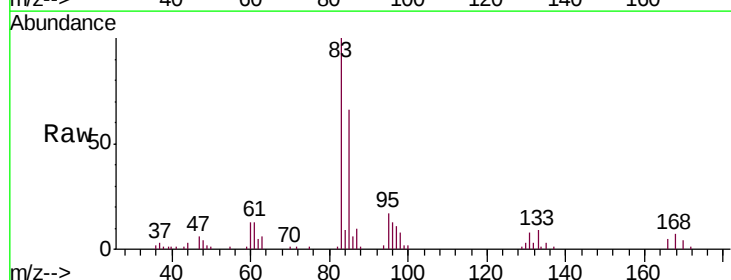
Tgt Ion: 83 Resp: 33215

Ion Ratio Lower Upper

83 100

85 65.5 45.6 84.6

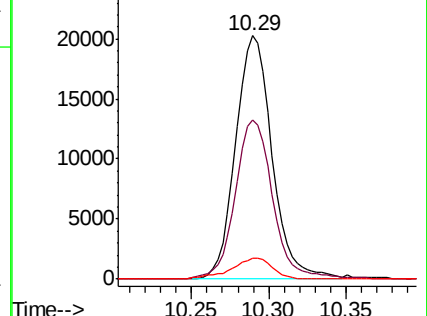
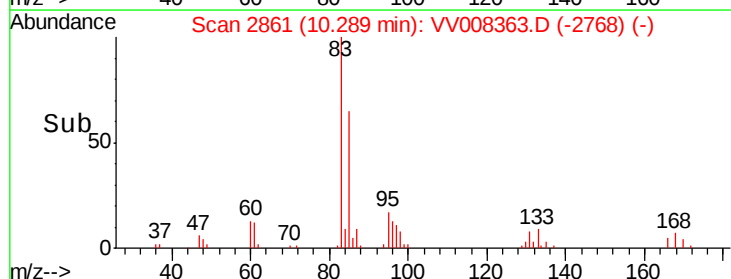
131 8.4 6.6 10.0

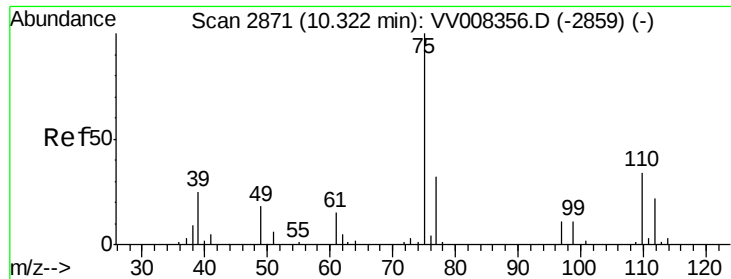


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

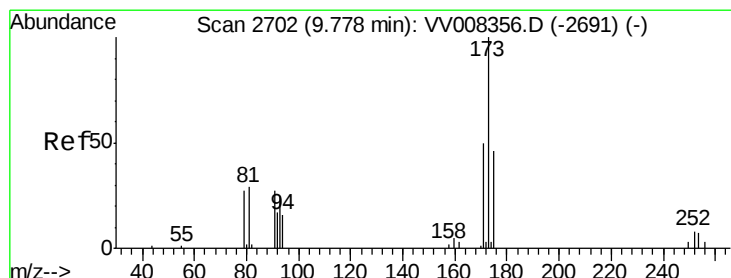
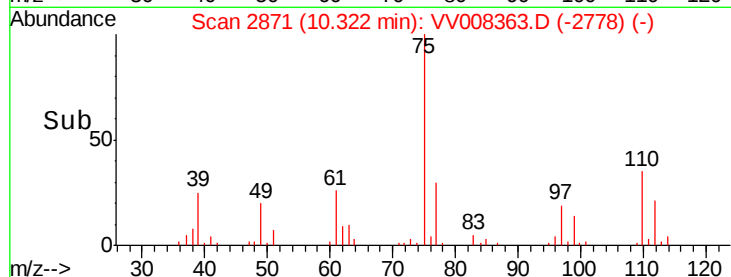
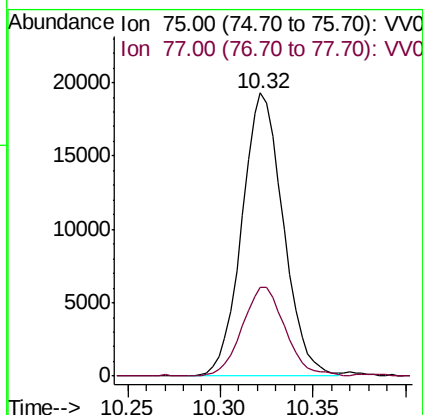
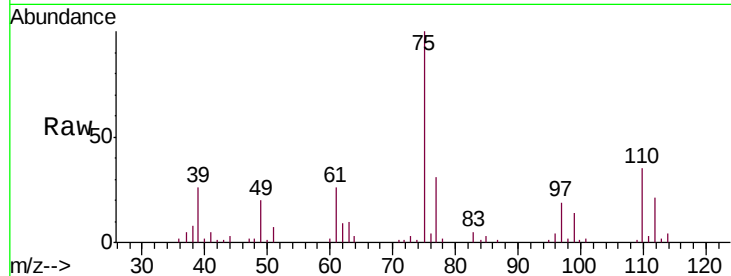




#59
 1,2,3-Trichloropropane
 Concen: 5.160 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

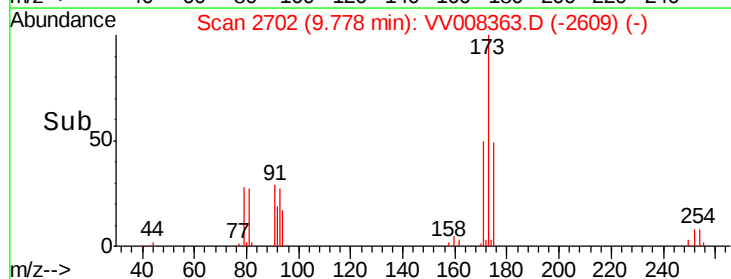
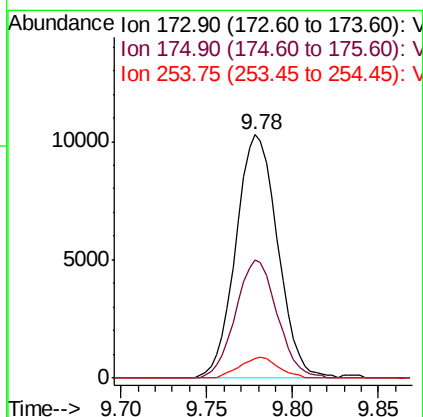
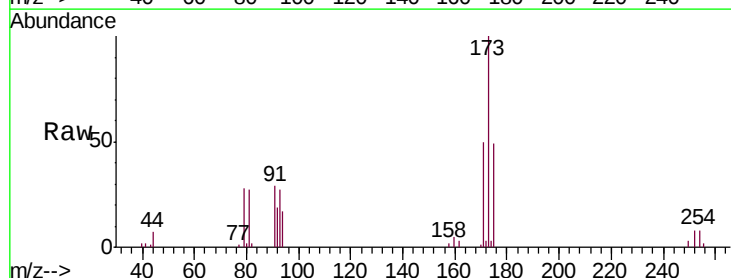
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

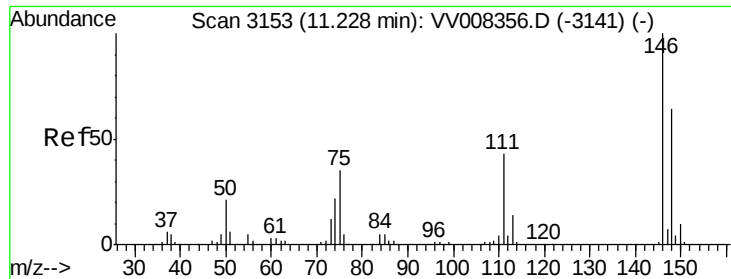
Tgt Ion: 75 Resp: 30001
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.0 40.6



#61
 Bromoform
 Concen: 4.757 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion: 173 Resp: 17365
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.7 58.1
 254 7.8 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 5.442 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

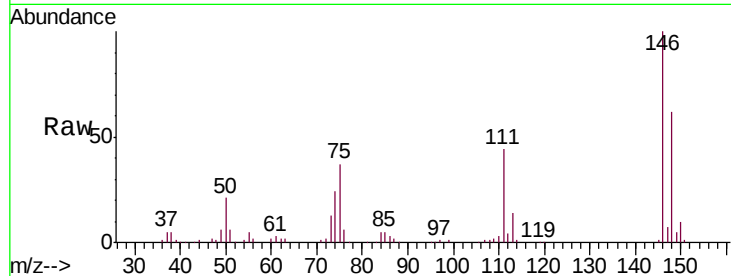
Tgt Ion:146 Resp: 91980

Ion Ratio Lower Upper

146 100

111 44.2 28.0 52.0

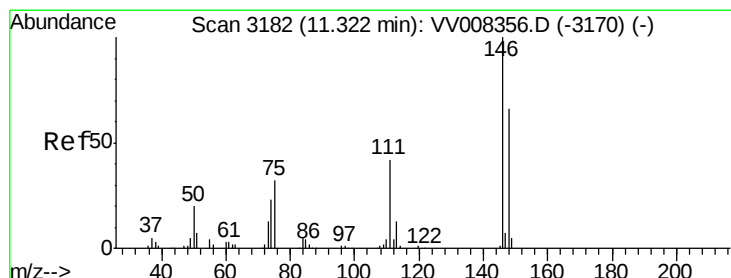
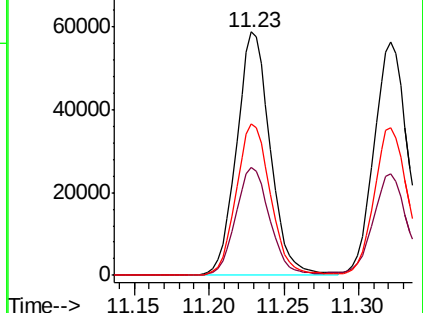
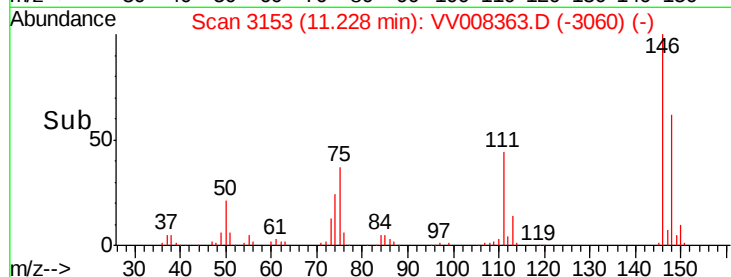
148 62.3 42.9 79.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.412 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

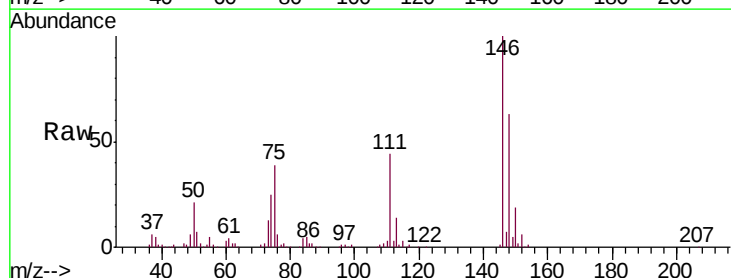
Tgt Ion:146 Resp: 90553

Ion Ratio Lower Upper

146 100

111 43.7 30.0 55.6

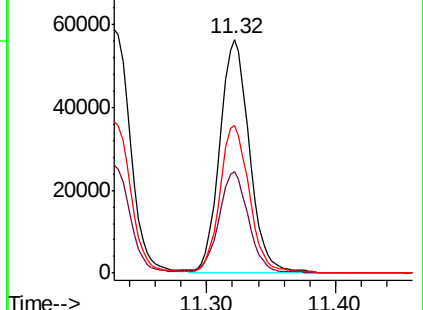
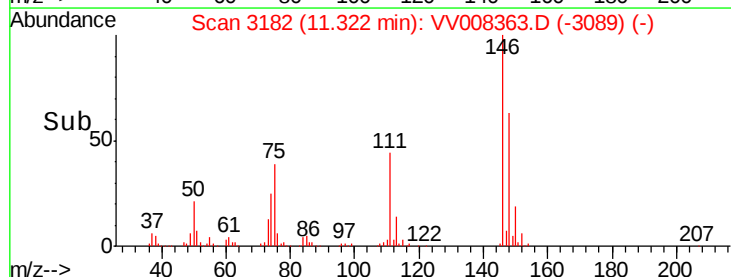
148 63.4 44.5 82.7

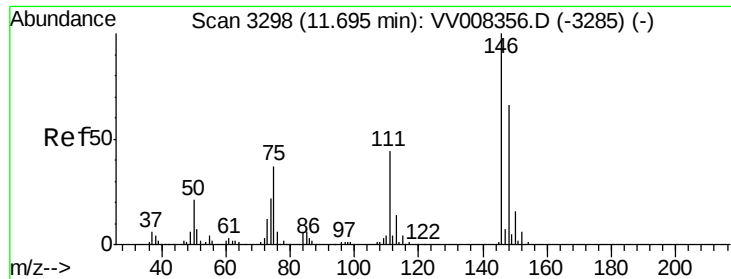


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

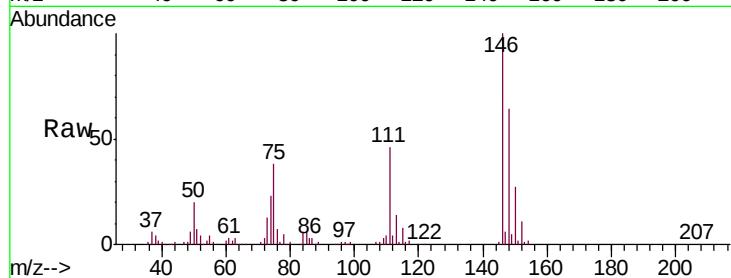




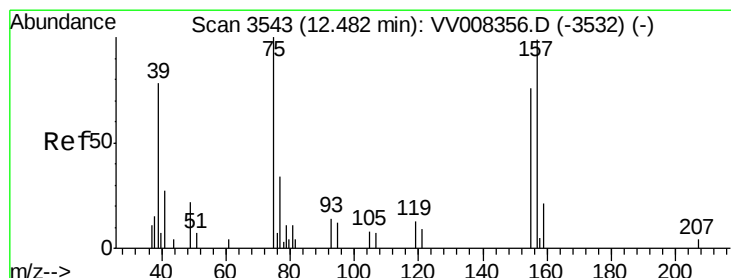
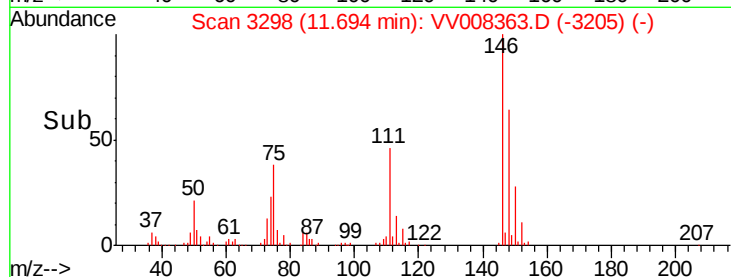
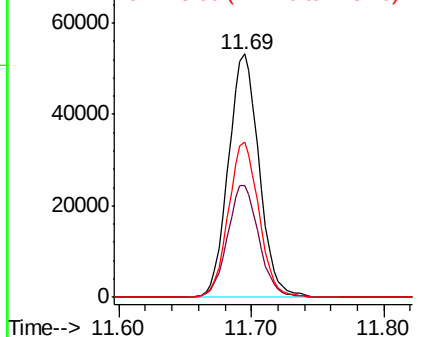
#65
 1,2-Dichlorobenzene
 Concen: 5.287 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion: 146 Resp: 85660
 Ion Ratio Lower Upper
 146 100
 111 46.2 35.5 53.3
 148 63.6 51.5 77.3

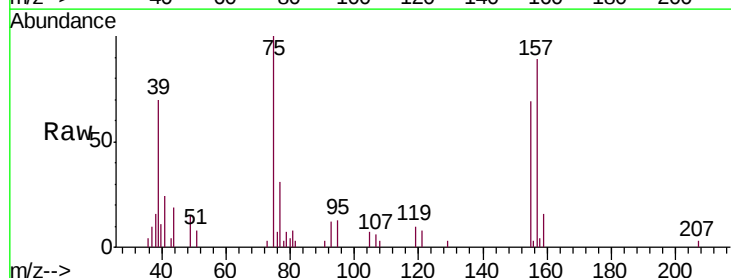


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

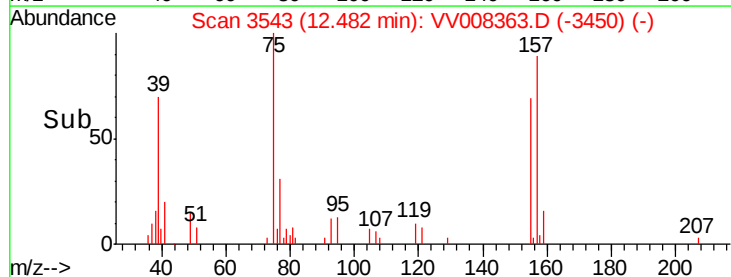
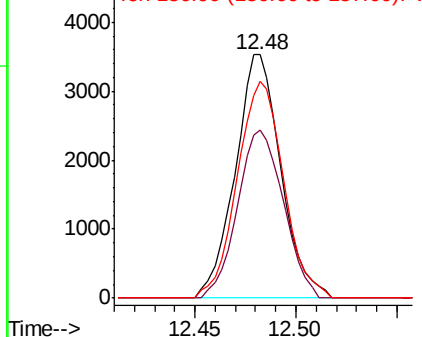


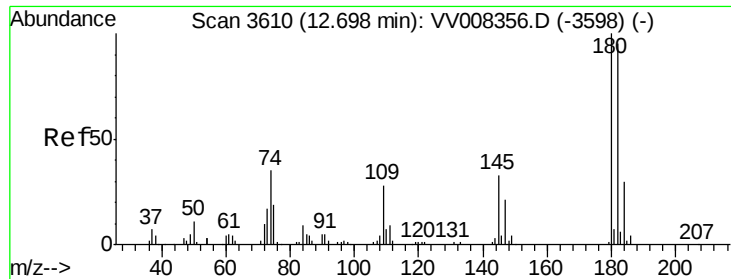
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.568 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion: 75 Resp: 5584
 Ion Ratio Lower Upper
 75 100
 155 69.0 63.6 95.4
 157 88.8 84.3 126.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

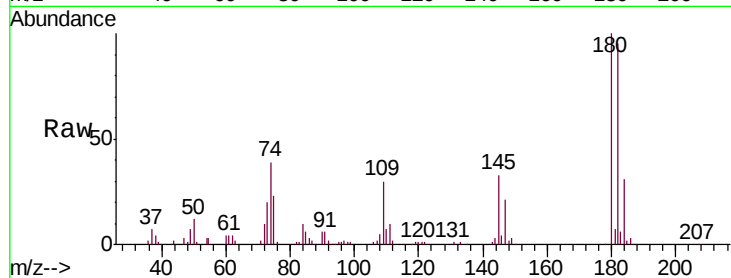




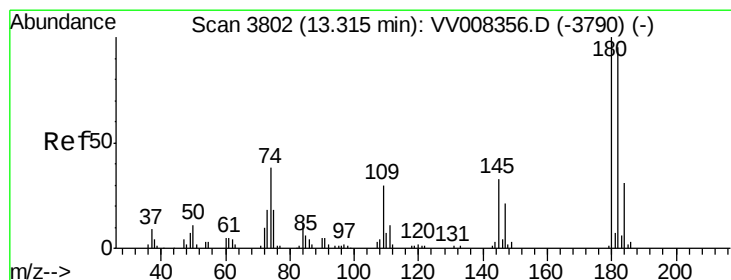
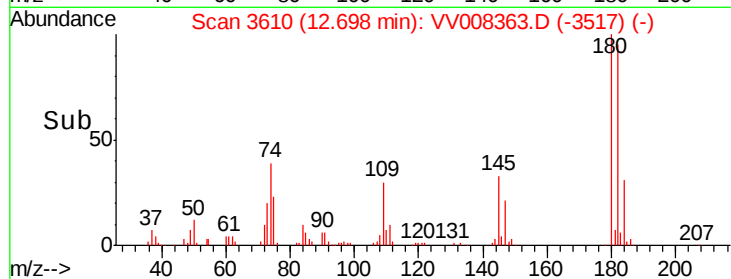
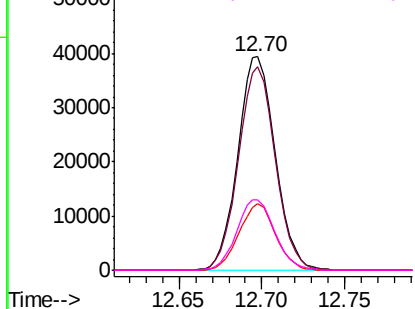
#67
 1,3,5-Trichlorobenzene
 Concen: 5.640 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion:180 Resp: 61673
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.5 111.7
 184 30.2 23.5 35.3
 145 33.7 25.9 38.9

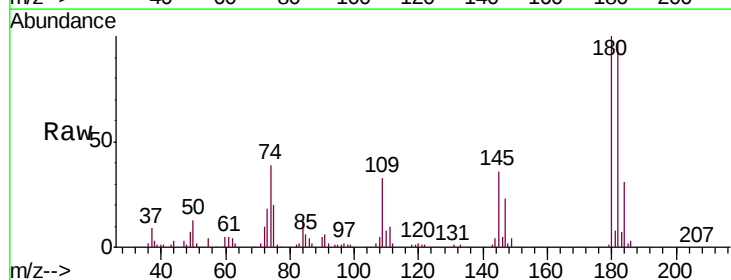


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

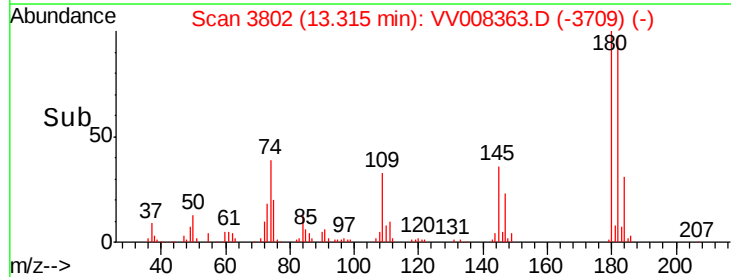
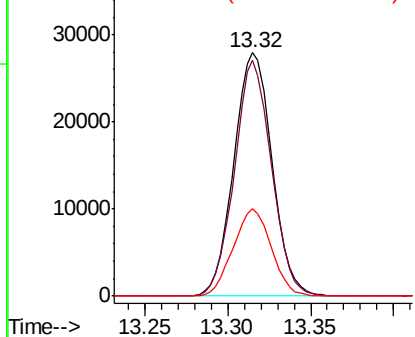


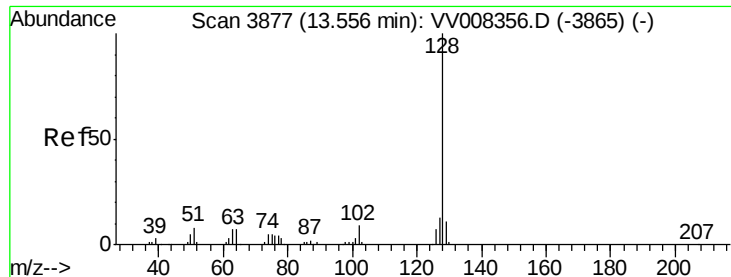
#68
 1,2,4-trichlorobenzene
 Concen: 5.754 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008363.D
 Acq: 19 Oct 2018 15:13

Tgt Ion:180 Resp: 44792
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.3 112.9
 145 35.5 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.986 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

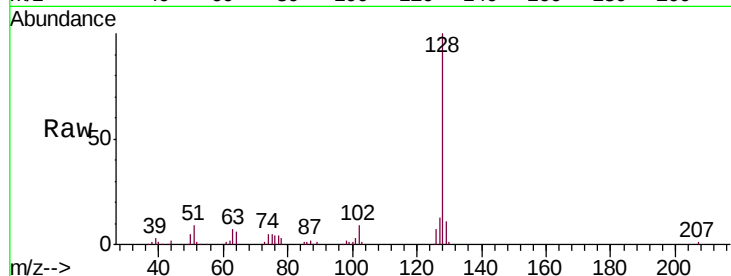
Tgt Ion:128 Resp: 72354

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

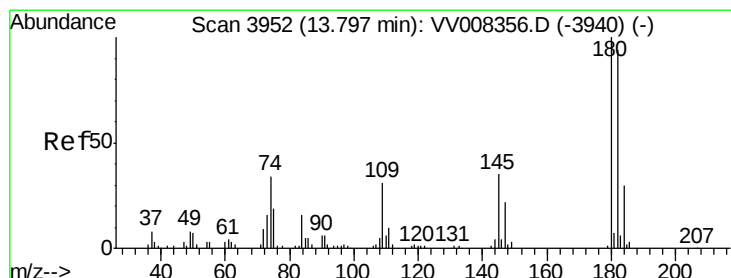
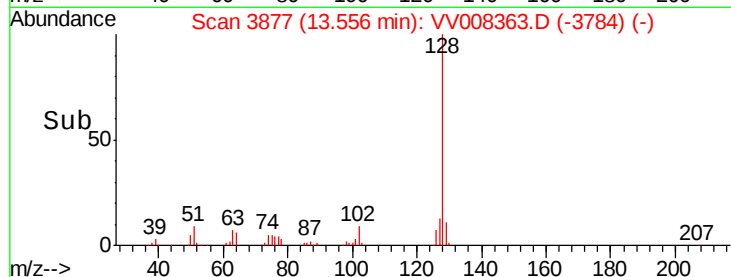
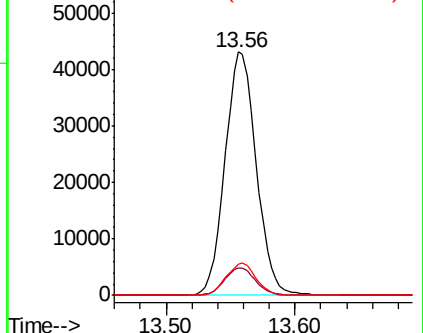
127 12.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.352 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008363.D

Acq: 19 Oct 2018 15:13

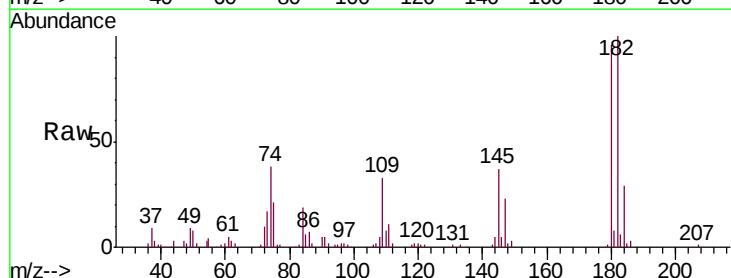
Tgt Ion:180 Resp: 41363

Ion Ratio Lower Upper

180 100

182 99.2 75.8 113.8

145 37.0 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

