

Data File : VV009442.D
Acq On : 28 Feb 2019 23:23
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Quant Time: Mar 01 03:57:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	95236	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91791	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45564	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23461	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	26160	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.40%
11) 1,1-Dichloroethene-d2	2.13	63	64315	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	3.96	46	54601	57.88	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.76%
24) Chloroform-d	4.40	84	51434	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.09	65	25644	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.10	84	102137	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.12	67	31493	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.36	98	104341	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.67	79	12609	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.14	63	45667	53.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24965	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	37956	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	27007	4.614 ug/L	99
3) Chloromethane	1.25	50	30754	4.965 ug/L	98
5) Vinyl chloride	1.32	62	34397	5.065 ug/L	94
6) Bromomethane	1.54	94	10305	2.211 ug/L	100
8) Chloroethane	1.60	64	28773	6.366 ug/L	98
9) Trichlorofluoromethane	1.77	101	65732	4.560 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34650	4.936 ug/L	99
12) 1,1-Dichloroethene	2.14	96	31726	5.084 ug/L	92
13) Acetone	2.21	43	45769	51.073 ug/L	100
14) Carbon disulfide	2.32	76	105092	5.131 ug/L	100
15) Methyl Acetate	2.47	43	12920	5.522 ug/L	95
16) Methylene chloride	2.54	84	34324	4.952 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	84036	5.261 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	35920	5.315 ug/L	97
19) 1,1-Dichloroethane	3.23	63	46389	5.067 ug/L	100
21) 2-Butanone	4.05	43	57183	50.380 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	31931	5.059 ug/L	100

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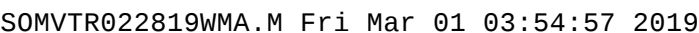
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

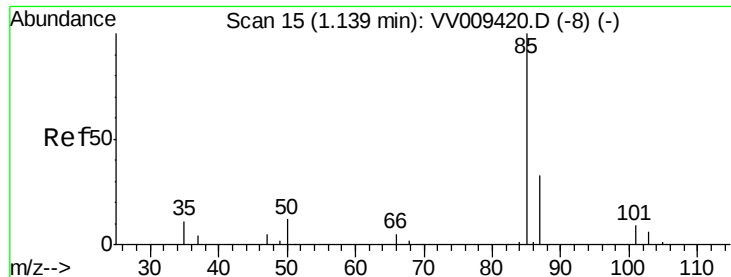
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	12794	5.011	ug/L	98
25) Chloroform	4.43	83	55085	5.011	ug/L	99
27) 1,2-Dichloroethane	5.18	62	34007	5.304	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	51357	4.992	ug/L	98
30) Cyclohexane	4.72	56	48647	4.884	ug/L	97
31) Carbon tetrachloride	4.87	117	43403	5.110	ug/L	99
33) Benzene	5.15	78	119479	5.073	ug/L	100
34) Trichloroethene	5.96	95	34391	5.105	ug/L	96
35) Methylcyclohexane	6.17	83	52801	4.773	ug/L	97
37) 1,2-Dichloropropane	6.23	63	29172	4.998	ug/L	99
38) Bromodichloromethane	6.56	83	41039	5.108	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	44904	4.875	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	164022	52.426	ug/L	98
42) Toluene	7.43	91	137635	5.065	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	34151	4.756	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	21355	5.097	ug/L	98
47) Tetrachloroethene	8.02	164	25960	4.908	ug/L	95
48) 2-Hexanone	8.19	43	110076	52.508	ug/L	99
49) Dibromochloromethane	8.29	129	26883	4.943	ug/L	99
50) 1,2-Dibromoethane	8.40	107	20962	5.286	ug/L	94
51) Chlorobenzene	8.93	112	91447	5.165	ug/L	98
52) Ethylbenzene	9.06	91	159622	5.155	ug/L	100
53) m,p-xylene	9.18	106	62011	5.107	ug/L	93
54) o-xylene	9.59	106	59357	5.027	ug/L	96
55) Styrene	9.60	104	99339	5.191	ug/L	99
56) Isopropylbenzene	9.98	105	162401	5.178	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	26542	5.284	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	18964	5.576	ug/L	99
61) Bromoform	9.78	173	13228	4.643	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	71829	5.005	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	71123	5.062	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	65025	5.006	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4053	4.869	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	50359	4.933	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	40723	5.239	ug/L	99
69) Naphthalene	13.55	128	65900	5.073	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	36340	5.124	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.614 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

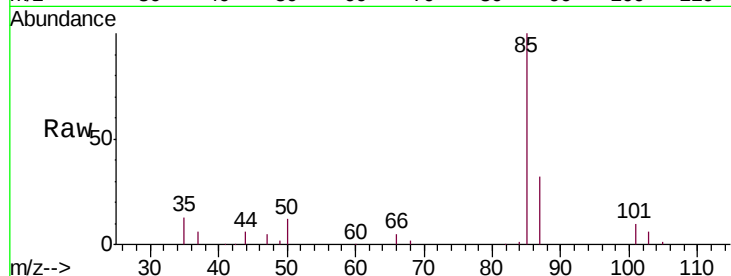
VSTD00568

Tgt Ion: 85 Resp: 27007

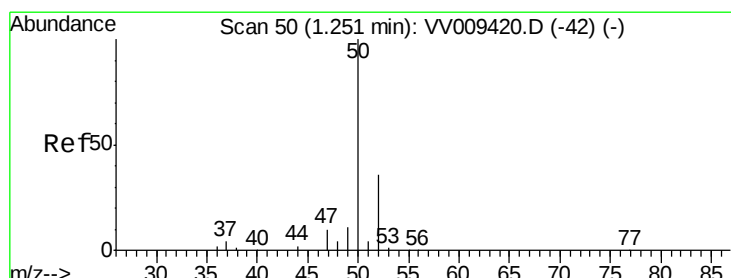
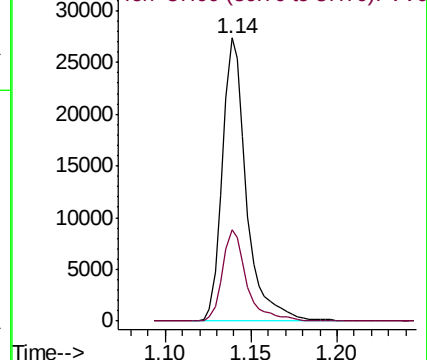
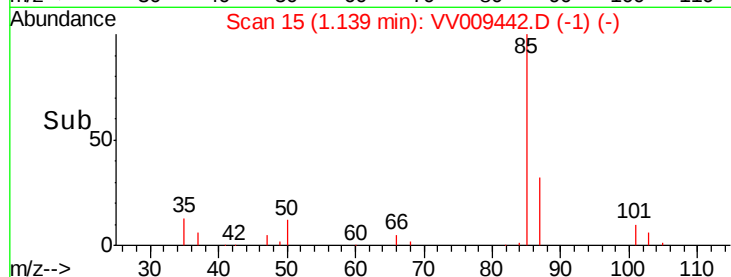
Ion Ratio Lower Upper

85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV009442.D (-1) (-)



#3

Chloromethane

Concen: 4.965 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009442.D

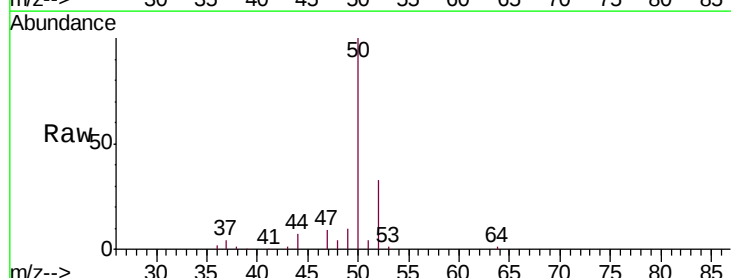
Acq: 28 Feb 2019 23:23

Tgt Ion: 50 Resp: 30754

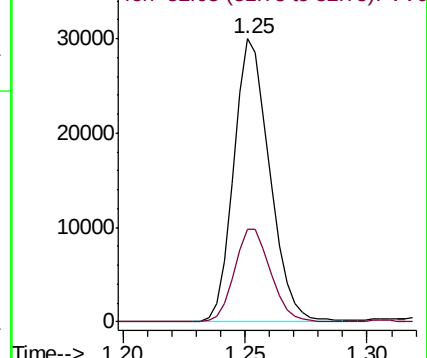
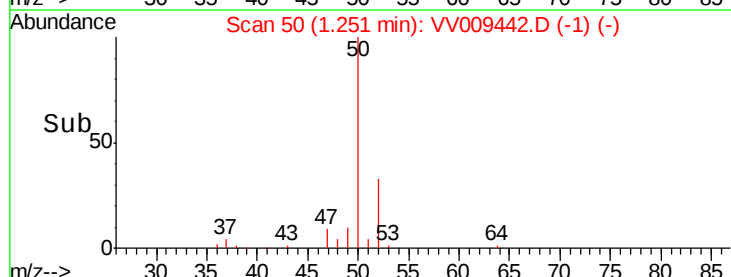
Ion Ratio Lower Upper

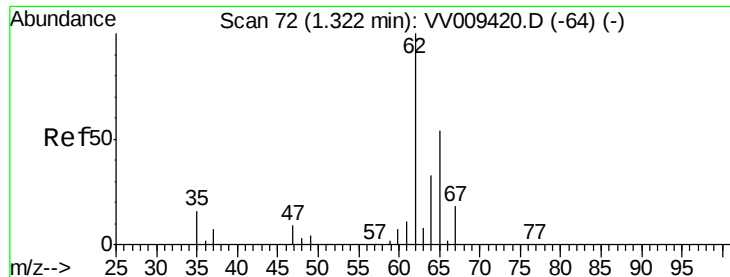
50 100

52 32.6 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009442.D (-1) (-)





#5

Vinyl chloride

Concen: 5.065 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

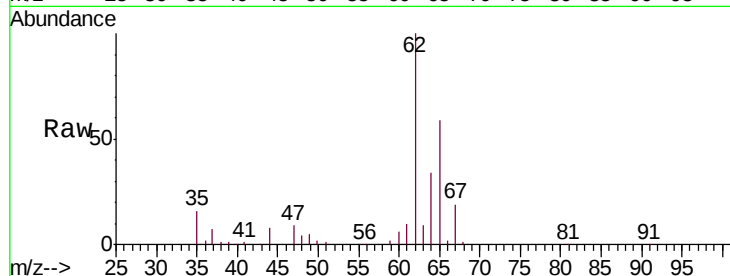
VSTD00568

Tgt Ion: 62 Resp: 34397

Ion Ratio Lower Upper

62 100

64 34.3 21.6 40.0

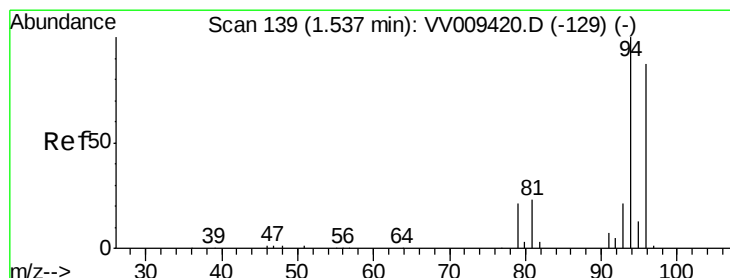
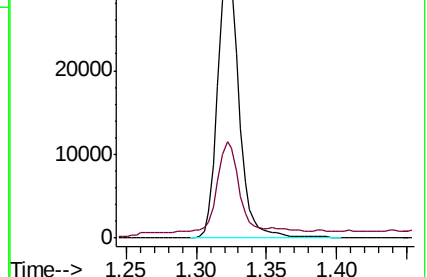
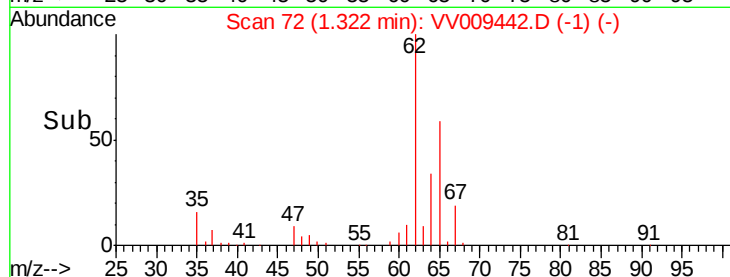


Abundance Ion 62.00 (61.70 to 62.70): VV009442.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009442.D (-64) (-)

1.32

Time-->



#6

Bromomethane

Concen: 2.211 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009442.D

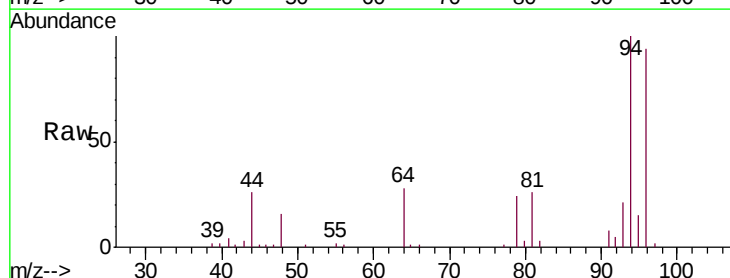
Acq: 28 Feb 2019 23:23

Tgt Ion: 94 Resp: 10305

Ion Ratio Lower Upper

94 100

96 94.1 65.8 122.2

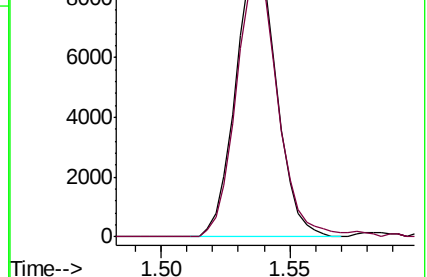
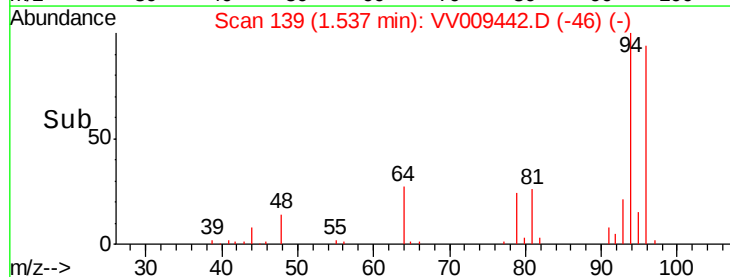


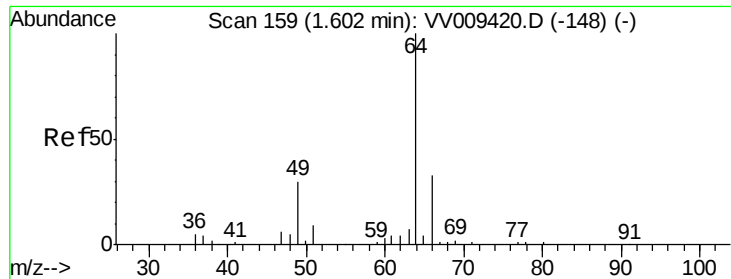
Abundance Ion 94.00 (93.70 to 94.70): VV009442.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV009442.D (-129) (-)

1.54

Time-->





#8

Chloroethane

Concen: 6.366 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

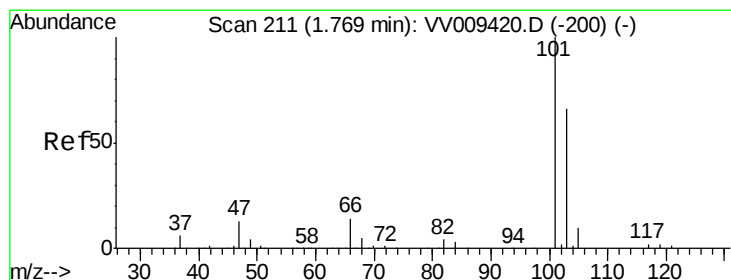
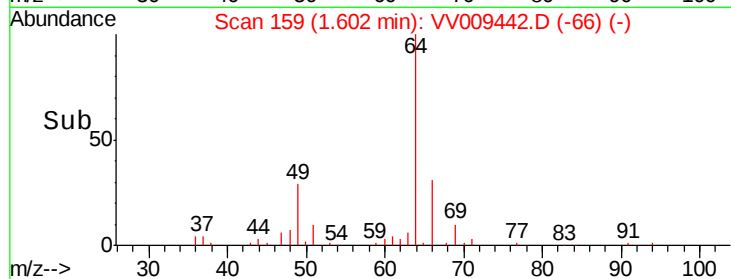
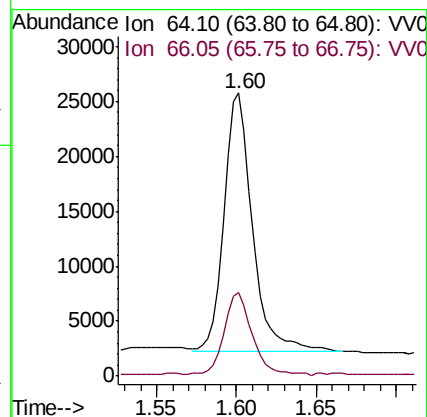
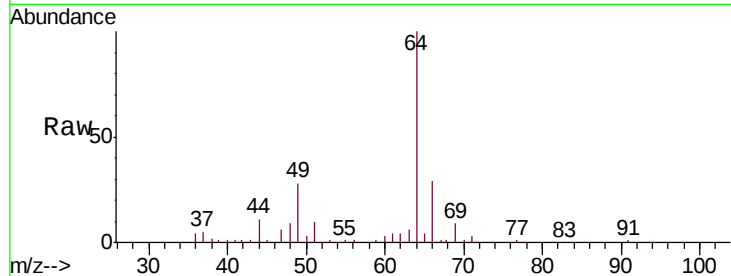
VSTD00568

Tgt Ion: 64 Resp: 28773

Ion Ratio Lower Upper

64 100

66 29.5 21.3 39.5



#9

Trichlorofluoromethane

Concen: 4.560 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV009442.D

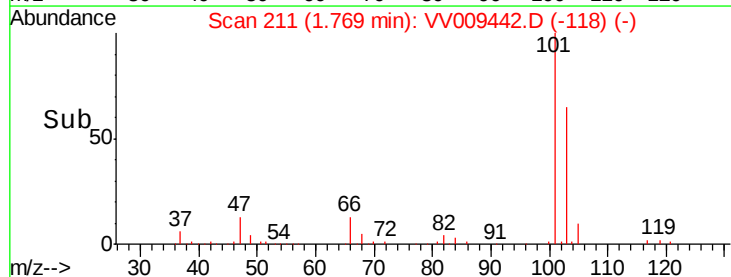
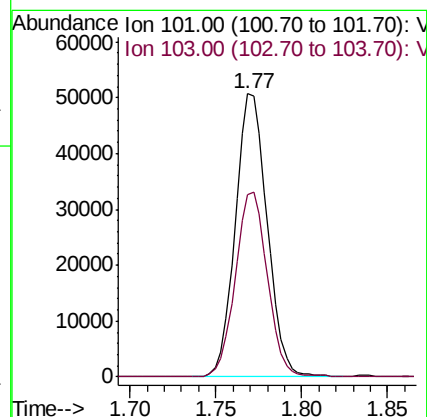
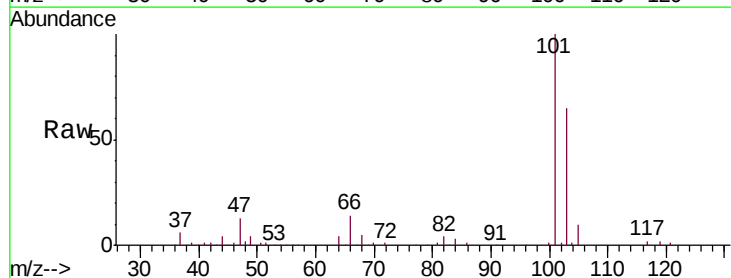
Acq: 28 Feb 2019 23:23

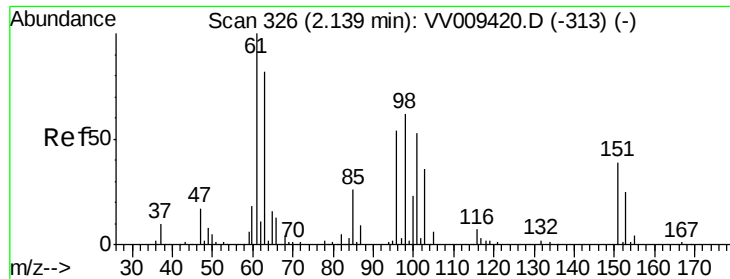
Tgt Ion: 101 Resp: 65732

Ion Ratio Lower Upper

101 100

103 65.7 51.3 76.9





#10

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

Concen: 4.936 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

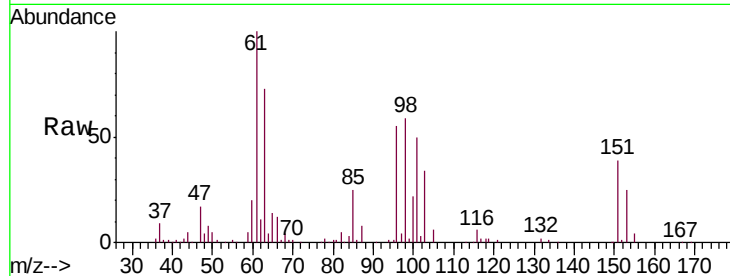
Tgt Ion: 101 Resp: 34650

Ion Ratio Lower Upper

101 100

85 50.1 38.2 57.4

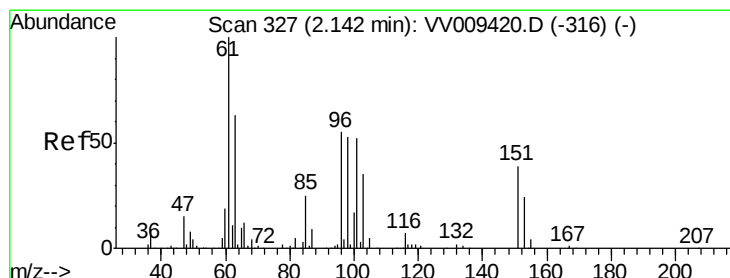
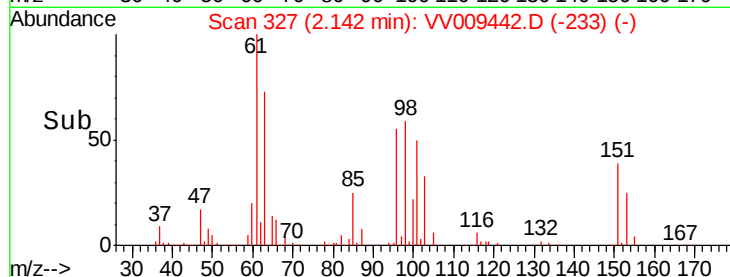
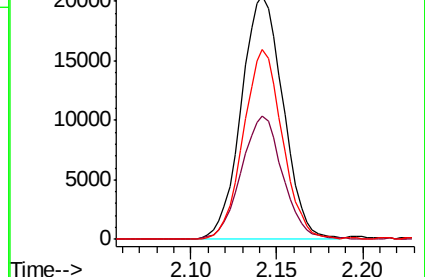
151 72.7 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV009442.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VV009442.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VV009442.D (-327) (-)



#12

1,1-Dichloroethene

Concen: 5.084 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

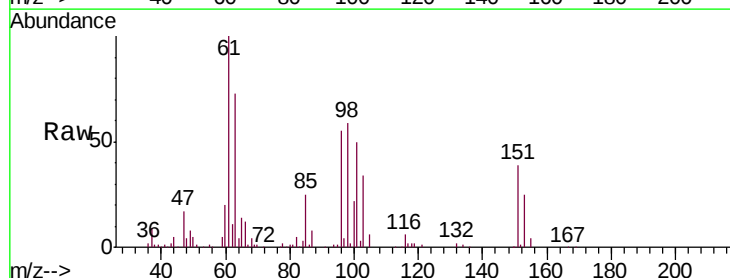
Tgt Ion: 96 Resp: 31726

Ion Ratio Lower Upper

96 100

61 182.0 123.1 228.5

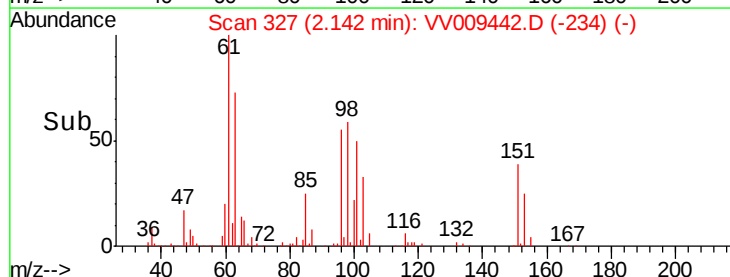
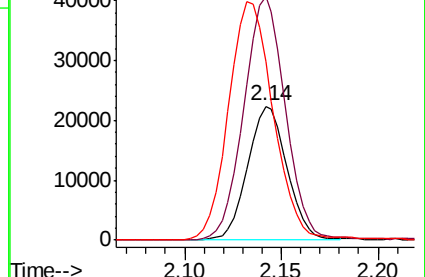
63 133.2 82.9 153.9

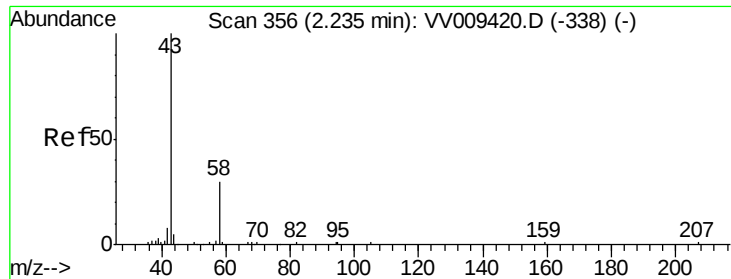


Abundance Ion 96.00 (95.70 to 96.70): VV009442.D (-327) (-)

Ion 61.05 (60.75 to 61.75): VV009442.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VV009442.D (-327) (-)





#13

Acetone

Concen: 51.073 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.03 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

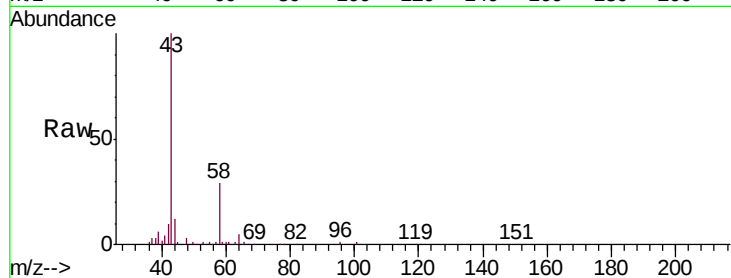
VSTD00568

Tgt Ion: 43 Resp: 45769

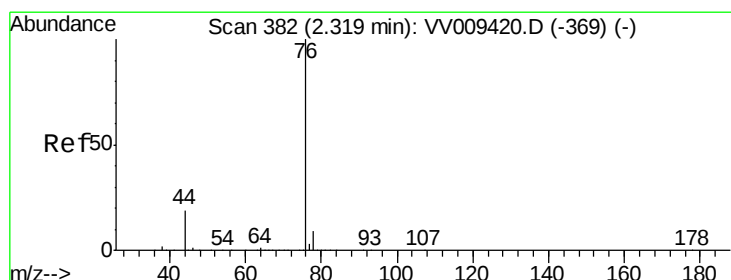
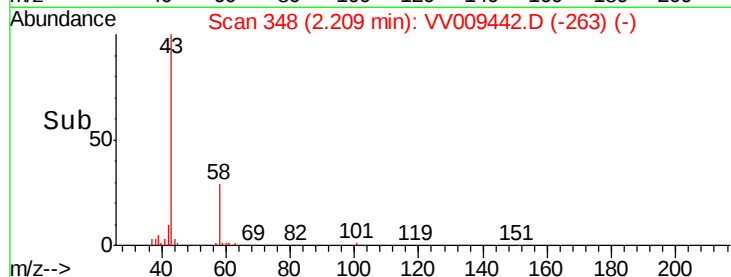
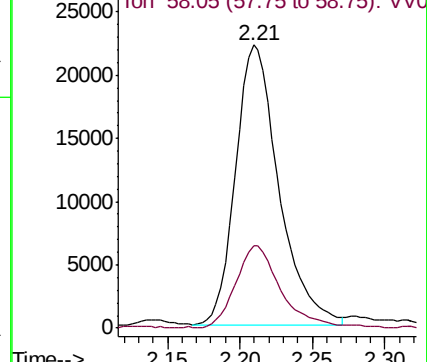
Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009442.D (-348) (-)



#14

Carbon disulfide

Concen: 5.131 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009442.D

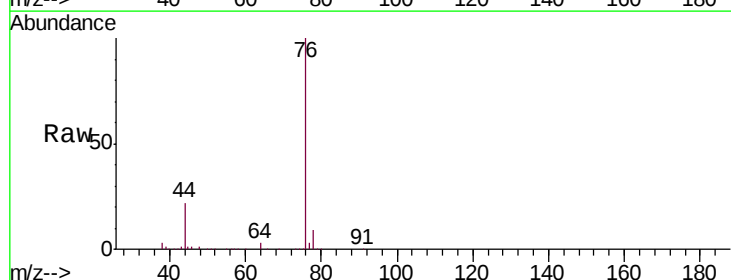
Acq: 28 Feb 2019 23:23

Tgt Ion: 76 Resp: 105092

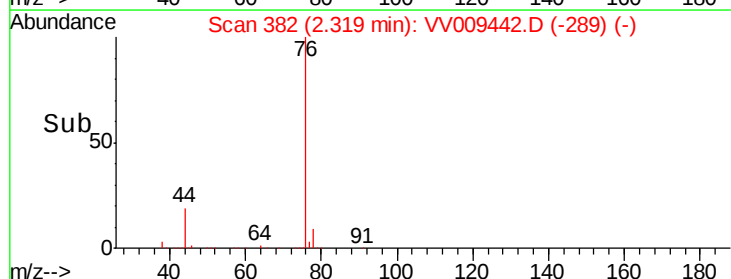
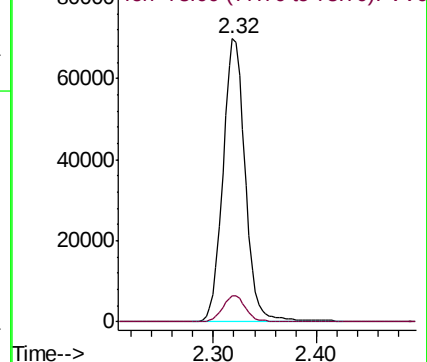
Ion Ratio Lower Upper

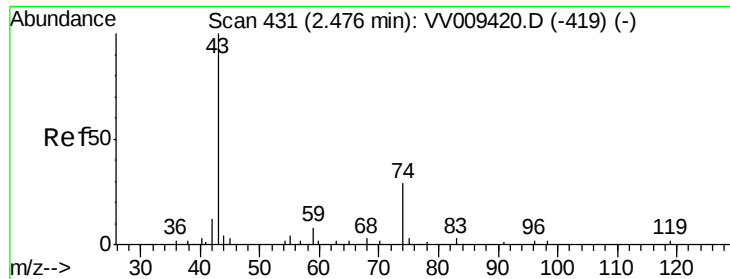
76 100

78 9.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV009442.D (-289) (-)

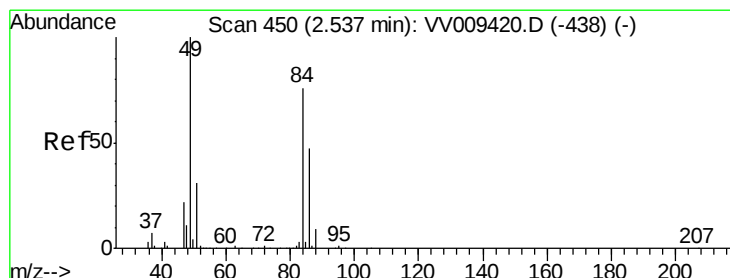
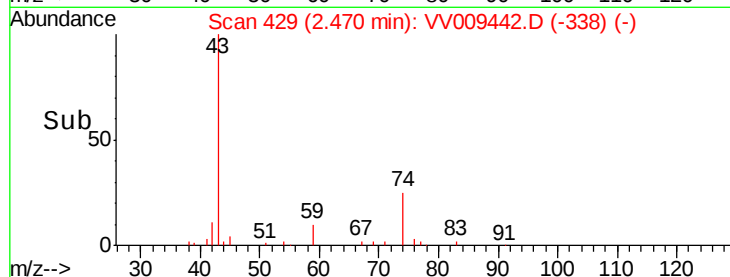
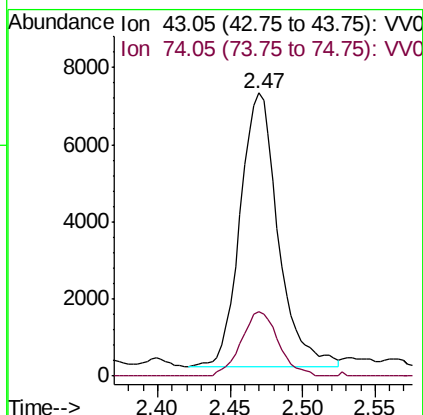
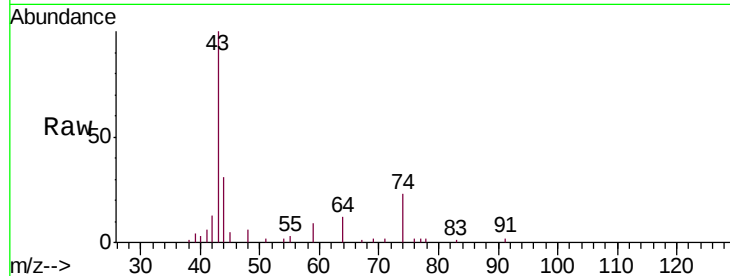




#15
Methyl Acetate
Concen: 5.522 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

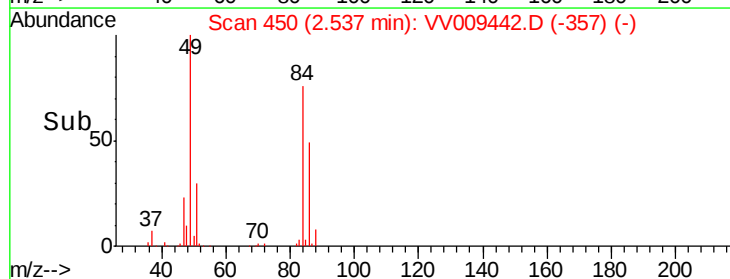
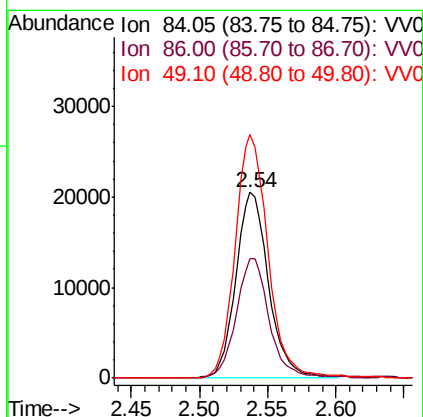
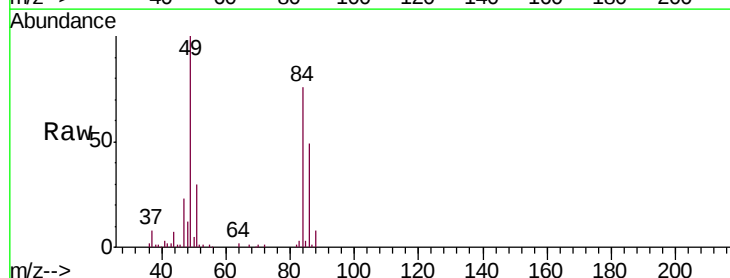
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

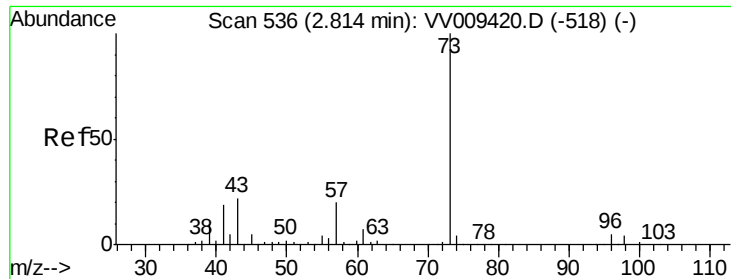
Tgt Ion: 43 Resp: 12920
Ion Ratio Lower Upper
43 100
74 23.2 20.6 30.8



#16
Methylene chloride
Concen: 4.952 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Tgt Ion: 84 Resp: 34324
Ion Ratio Lower Upper
84 100
86 64.1 42.8 79.4
49 131.0 90.6 168.2

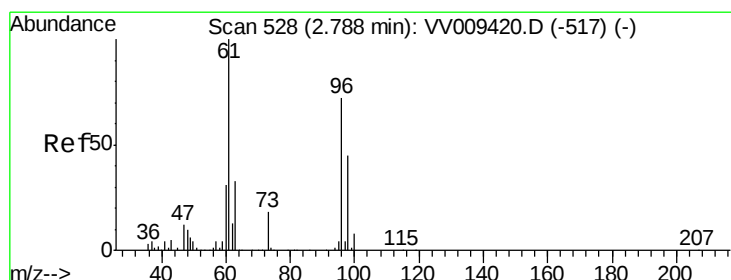
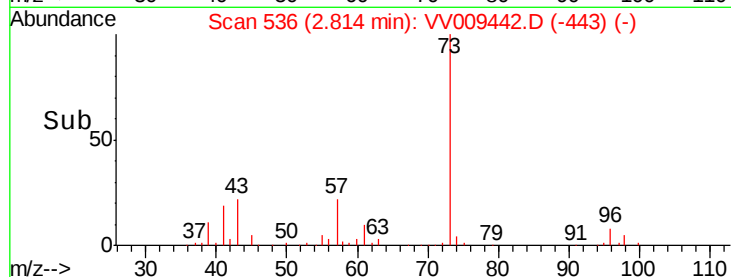
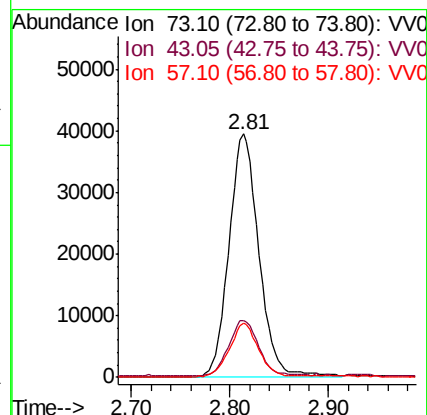
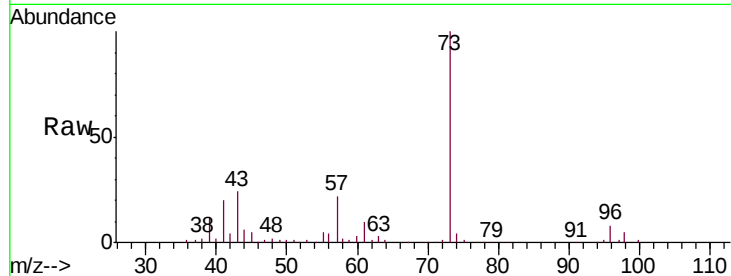




#17
Methyl tert-butyl Ether
Concen: 5.261 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

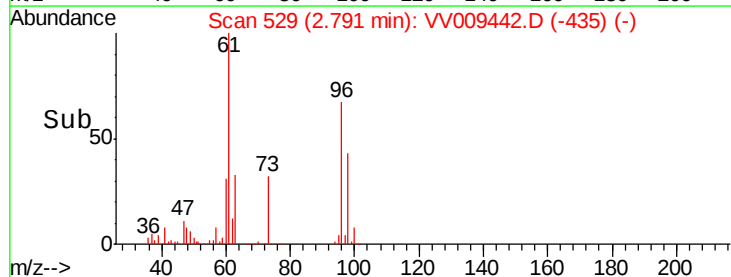
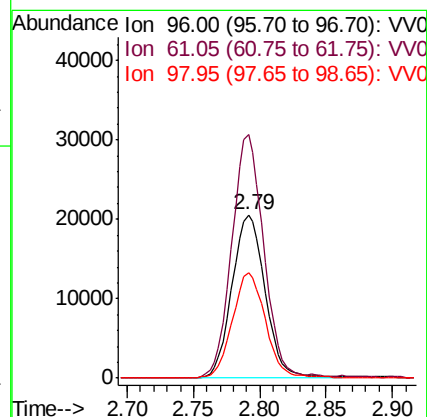
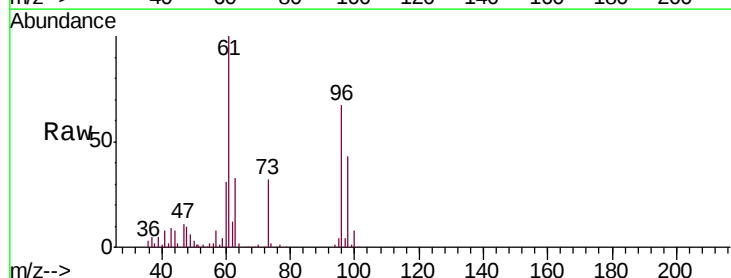
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

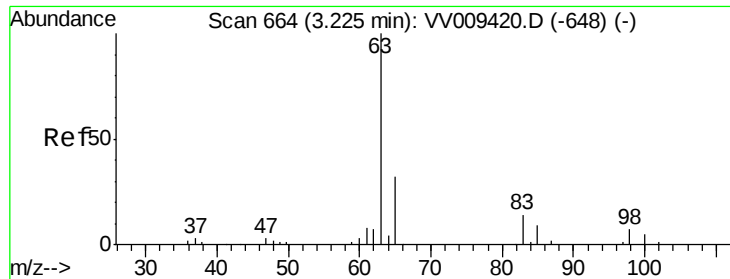
Tgt Ion: 73 Resp: 84036
Ion Ratio Lower Upper
73 100
43 23.4 18.1 27.1
57 20.8 15.8 23.8



#18
trans-1,2-Dichloroethene
Concen: 5.315 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Tgt Ion: 96 Resp: 35920
Ion Ratio Lower Upper
96 100
61 149.4 106.0 196.8
98 64.9 48.2 89.4

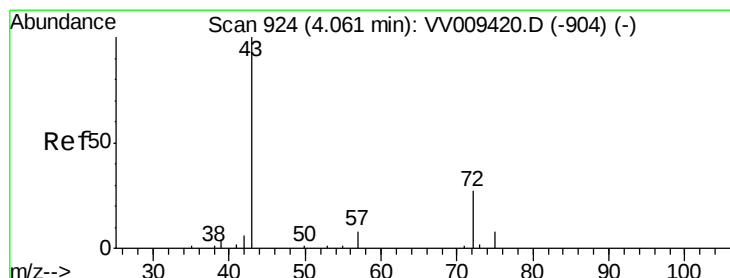
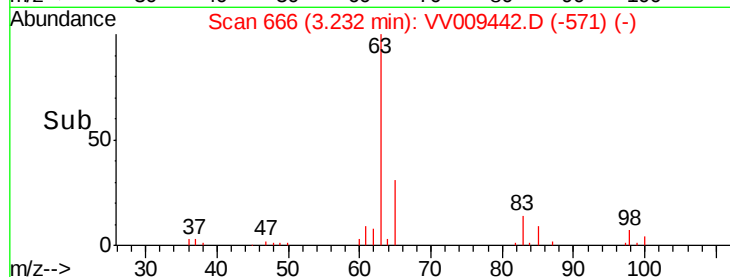
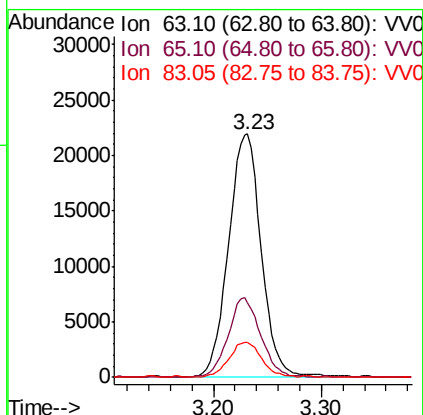
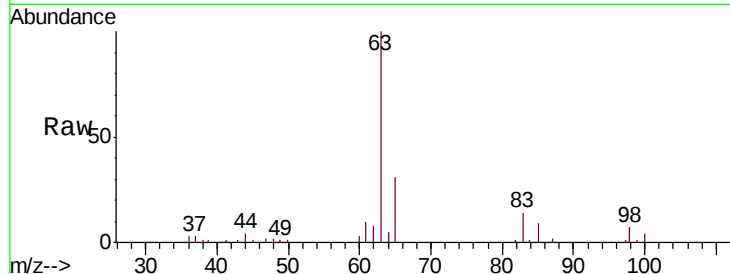




#19
 1,1-Dichloroethane
 Concen: 5.067 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

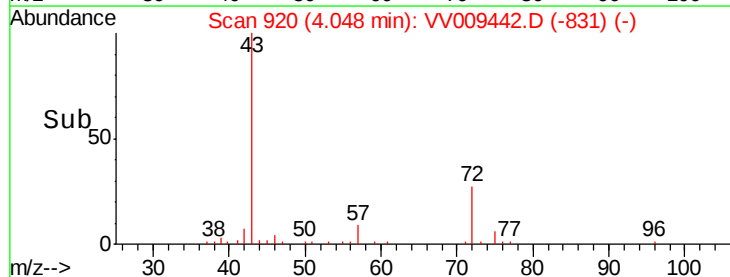
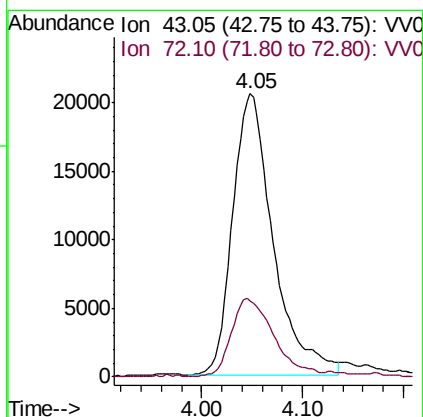
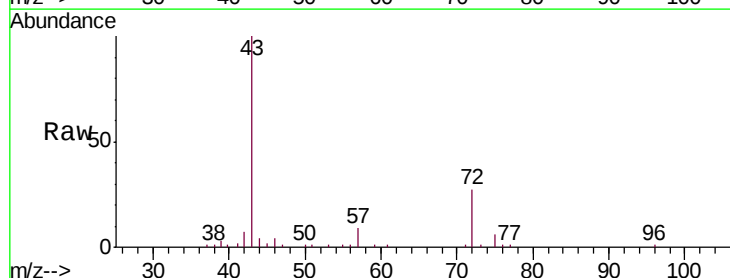
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

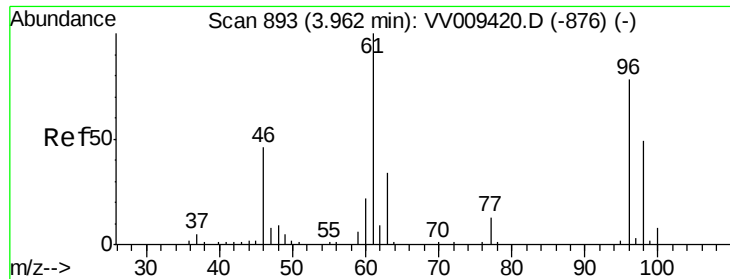
Tgt Ion: 63 Resp: 46389
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.6 40.2
 83 14.3 10.4 19.4



#21
 2-Butanone
 Concen: 50.380 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 43 Resp: 57183
 Ion Ratio Lower Upper
 43 100
 72 29.4 15.4 46.1



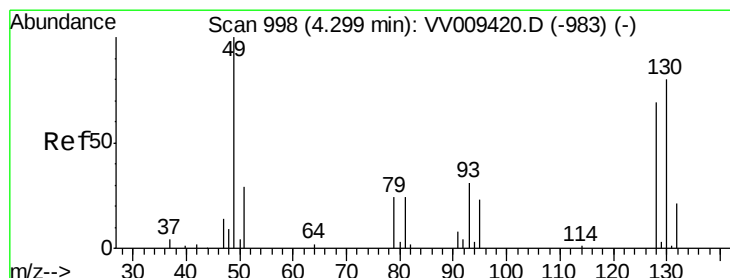
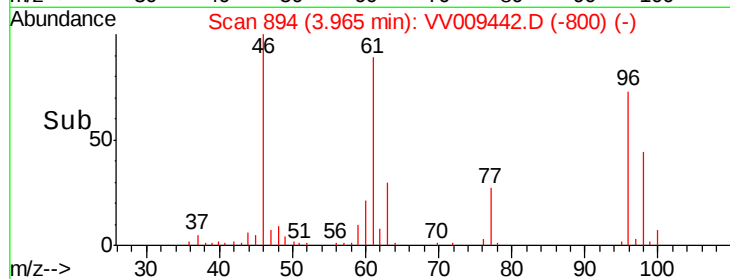
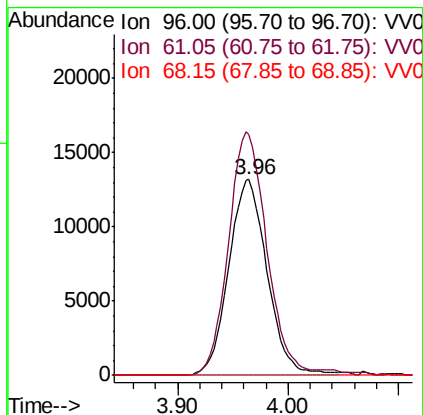
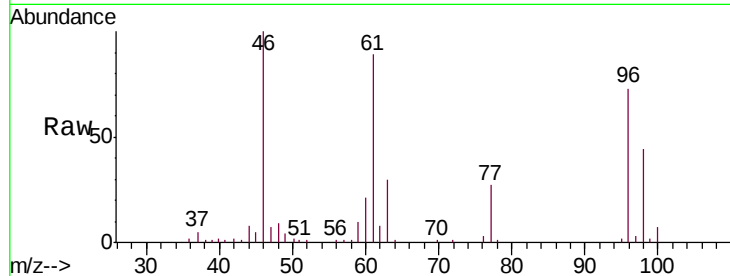


#22

cis-1,2-Dichloroethene
 Concen: 5.059 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

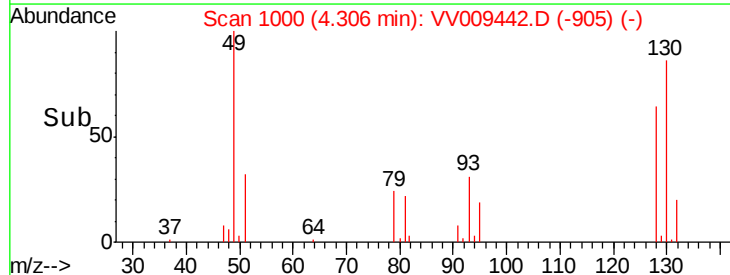
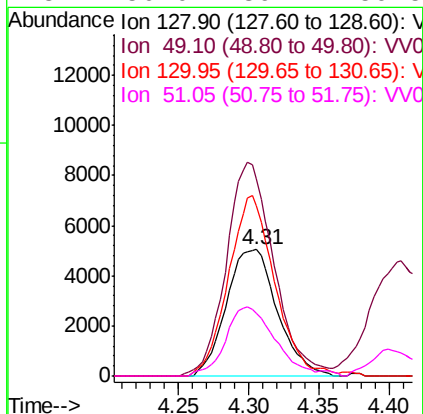
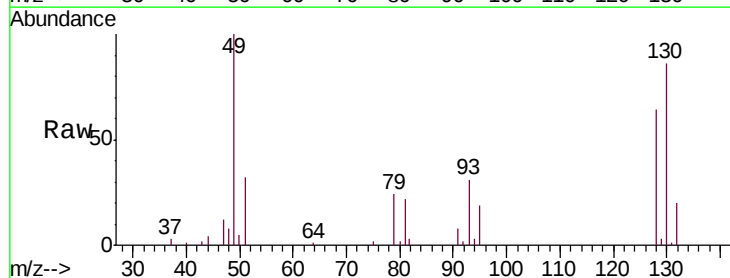
Tgt Ion: 96 Resp: 31931
 Ion Ratio Lower Upper
 96 100
 61 122.9 86.0 159.8
 68 0.0 0.0 0.0

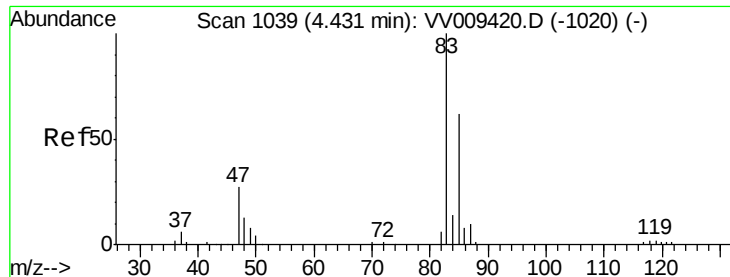


#23

Bromochloromethane
 Concen: 5.011 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 128 Resp: 12794
 Ion Ratio Lower Upper
 128 100
 49 155.7 105.8 196.4
 130 134.3 93.2 173.0
 51 50.0 39.7 59.5

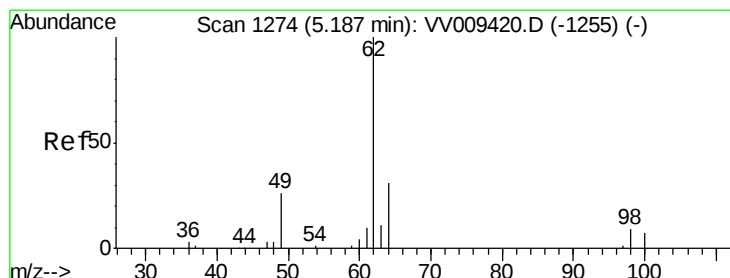
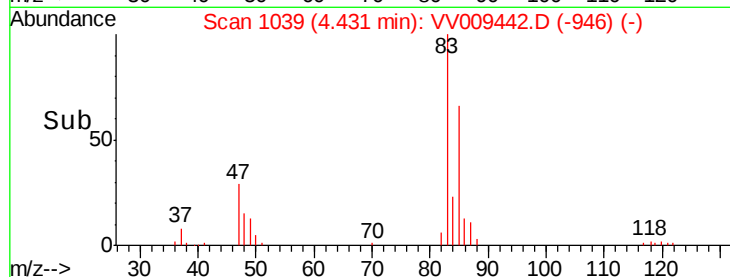
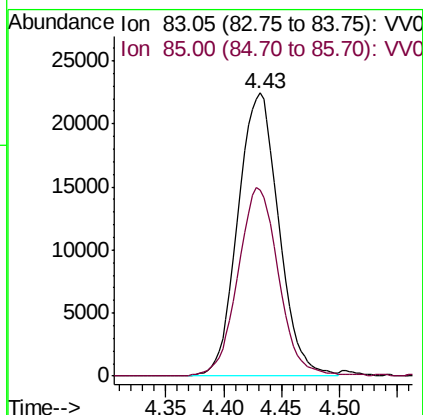
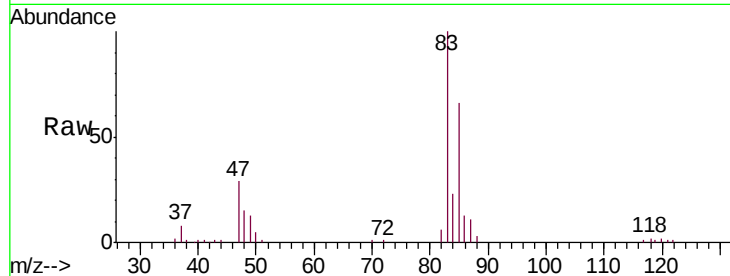




#25
Chloroform
Concen: 5.011 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

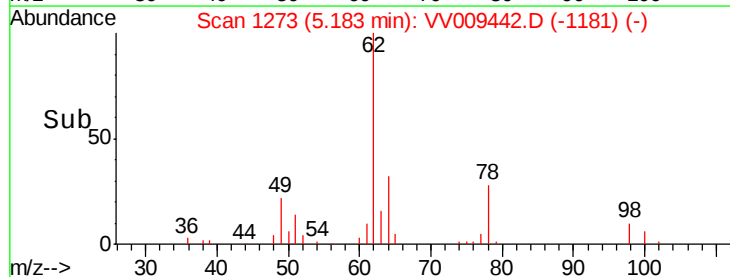
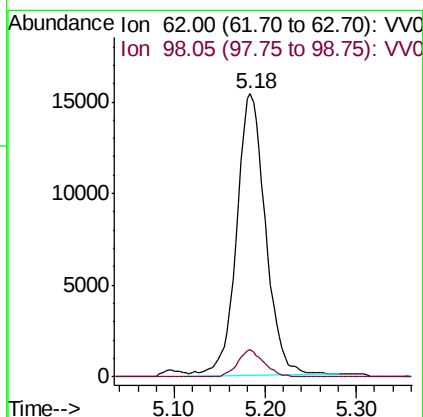
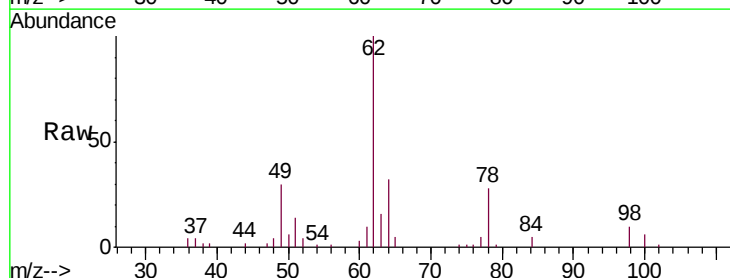
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

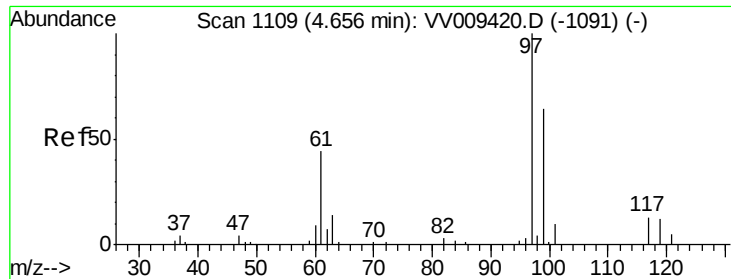
Tgt Ion: 83 Resp: 55085
Ion Ratio Lower Upper
83 100
85 65.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.304 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Tgt Ion: 62 Resp: 34007
Ion Ratio Lower Upper
62 100
98 9.9 6.6 10.0

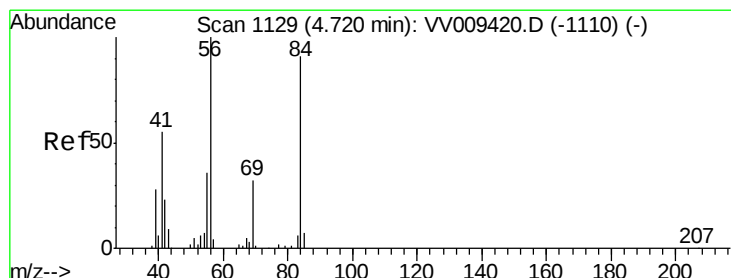
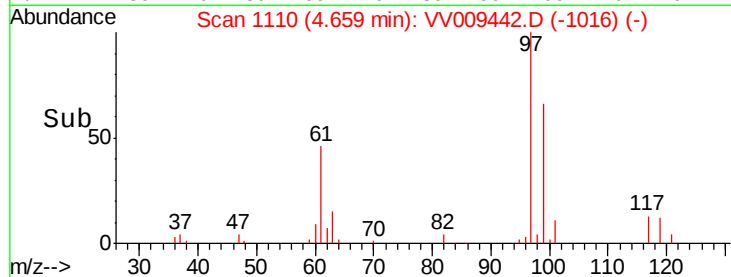
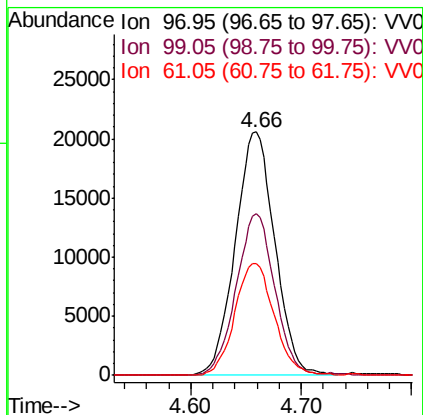
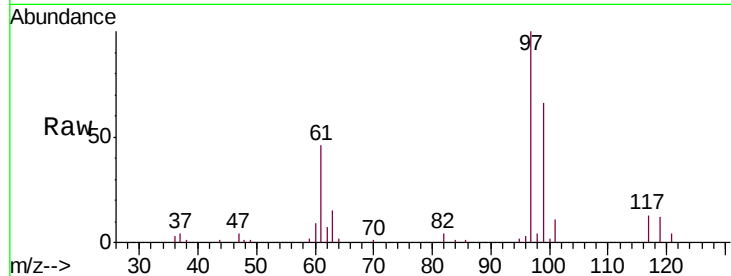




#29
 1,1,1-Trichloroethane
 Concen: 4.992 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

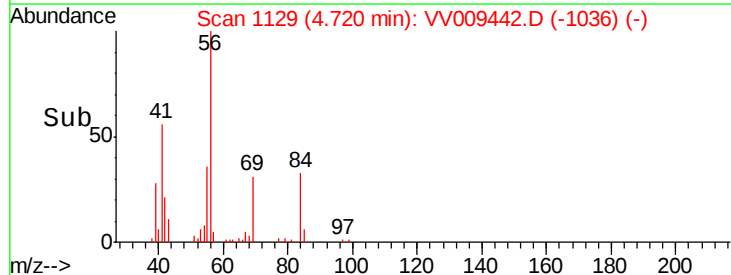
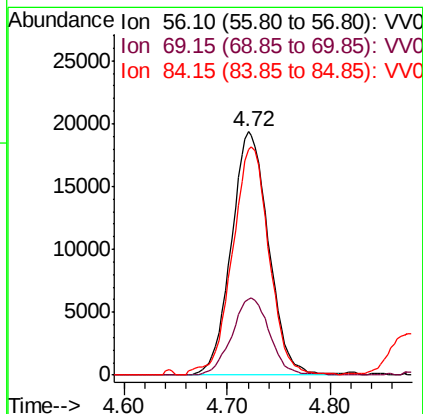
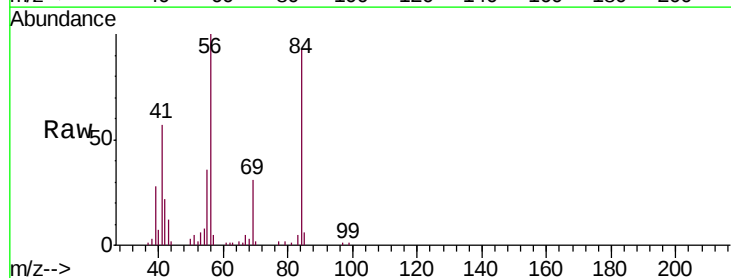
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00568

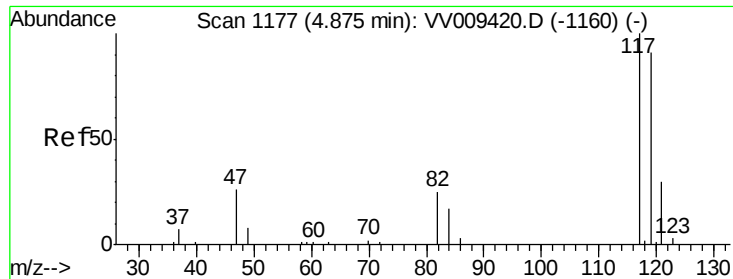
Tgt Ion: 97 Resp: 51357
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.5 75.7
 61 45.5 35.1 52.7



#30
 Cyclohexane
 Concen: 4.884 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 56 Resp: 48647
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.2 37.8
 84 92.7 71.5 107.3





#31

Carbon tetrachloride

Concen: 5.110 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

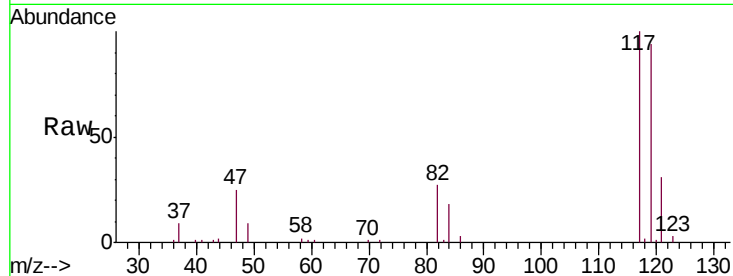
VSTD00568

Tgt Ion:117 Resp: 43403

Ion Ratio Lower Upper

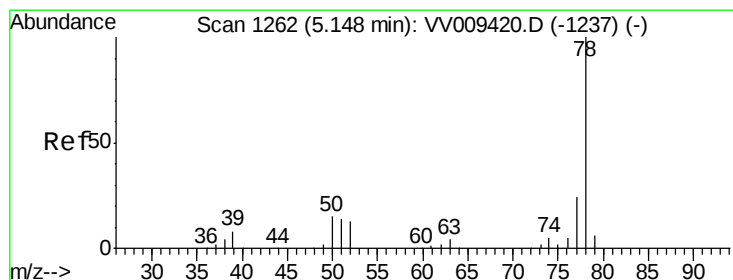
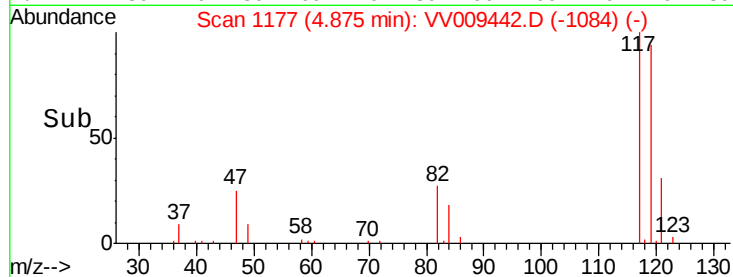
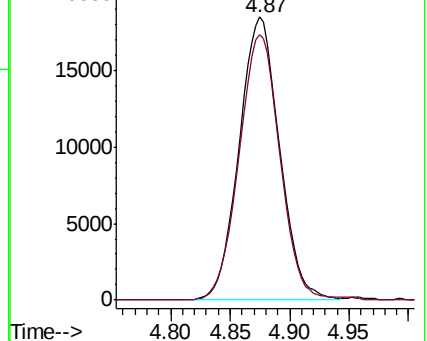
117 100

119 95.0 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.073 ug/L

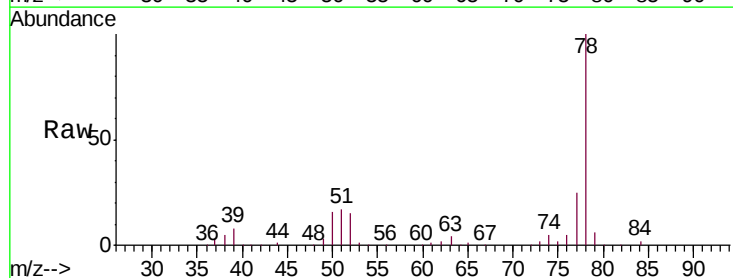
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

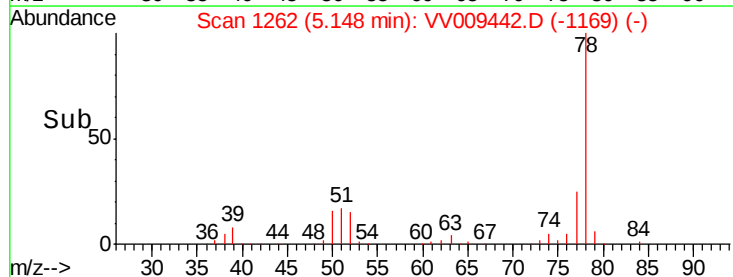
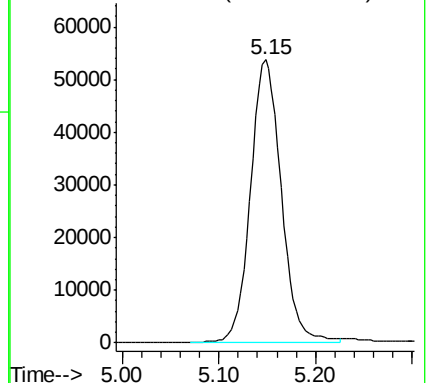
Lab File: VV009442.D

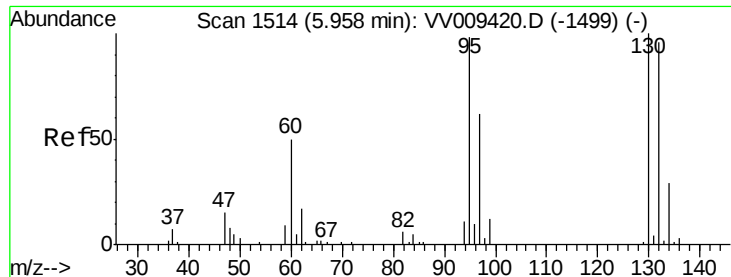
Acq: 28 Feb 2019 23:23

Tgt Ion: 78 Resp: 119479



Abundance Ion 78.10 (77.80 to 78.80): VV0

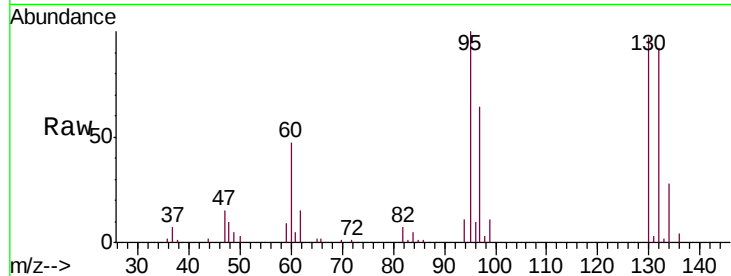




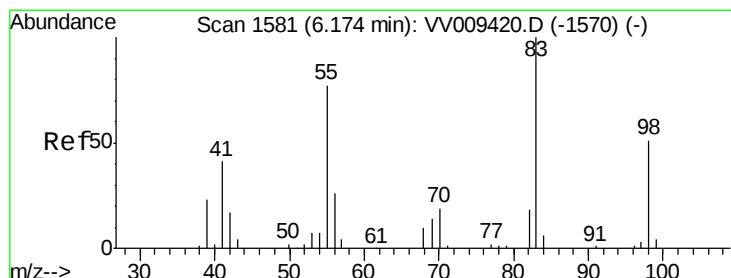
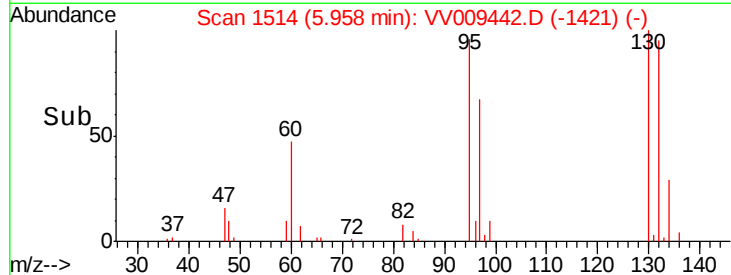
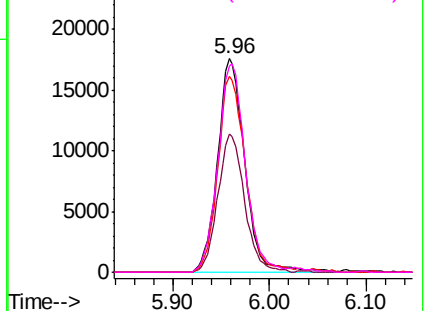
#34
 Trichloroethene
 Concen: 5.105 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 95 Resp: 34391
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.2 82.2
 132 92.0 67.8 126.0
 130 96.7 70.4 130.8

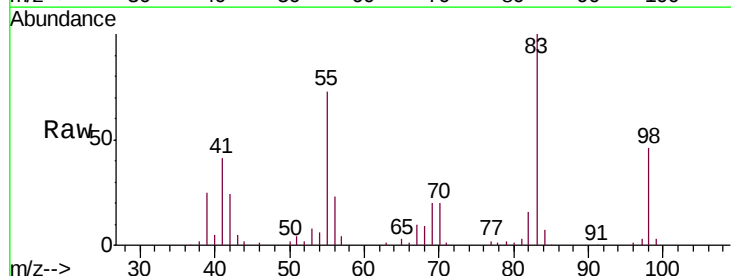


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

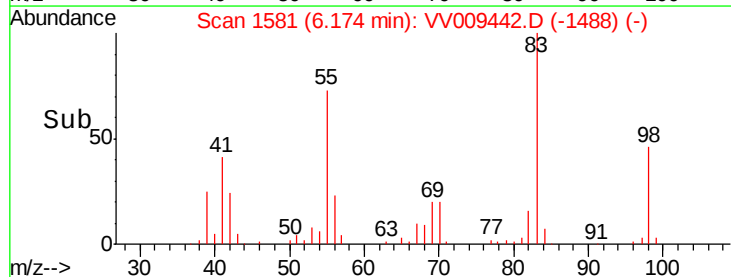
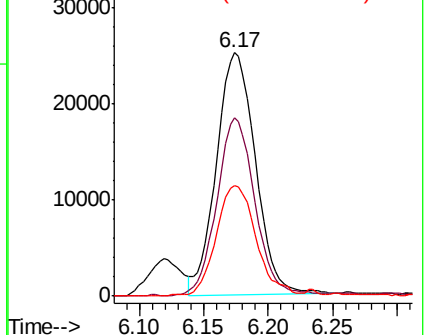


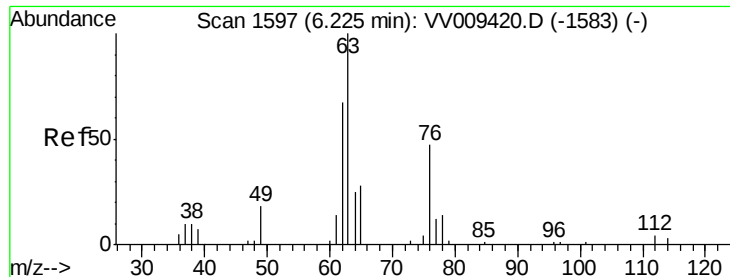
#35
 Methylcyclohexane
 Concen: 4.773 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 83 Resp: 52801
 Ion Ratio Lower Upper
 83 100
 55 72.7 59.8 89.8
 98 47.0 39.9 59.9



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

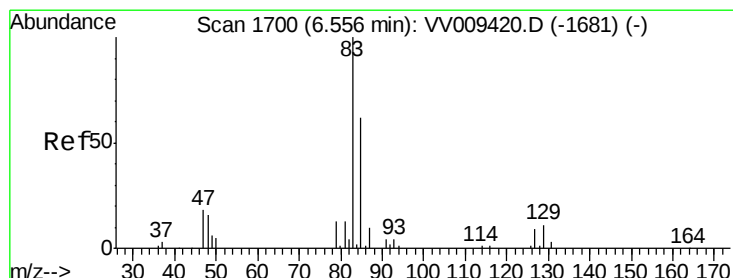
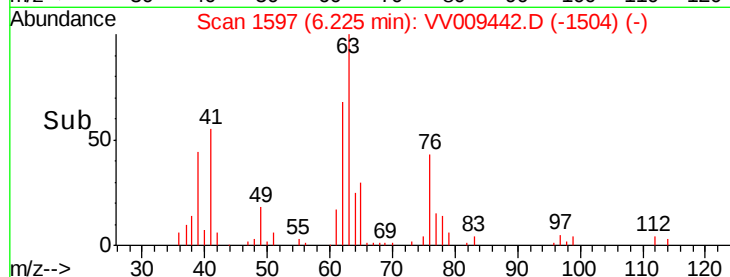
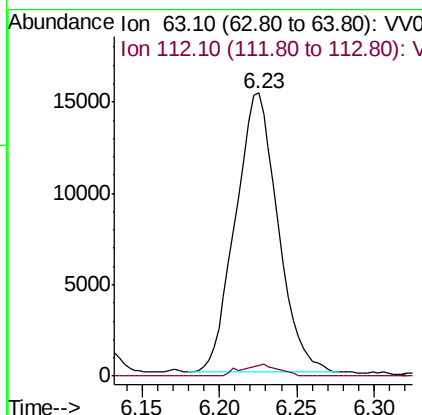
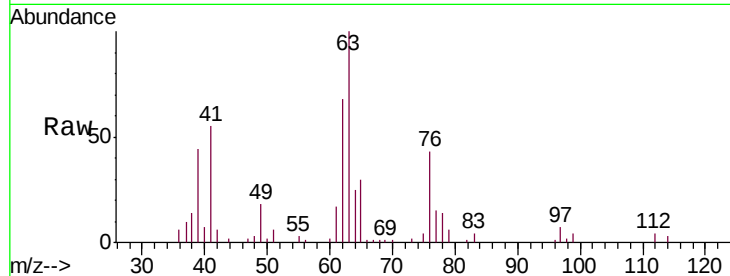




#37
 1,2-Dichloropropane
 Concen: 4.998 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

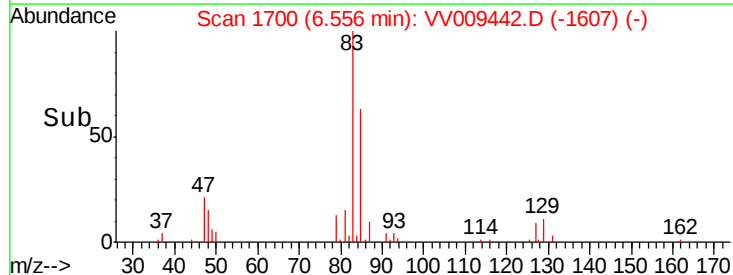
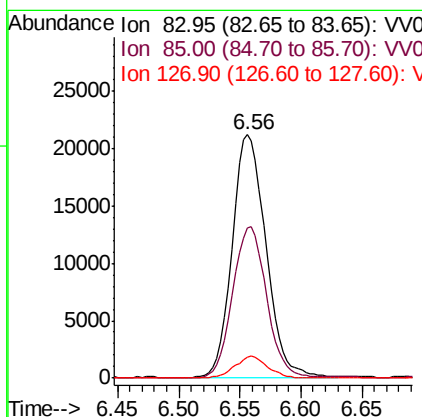
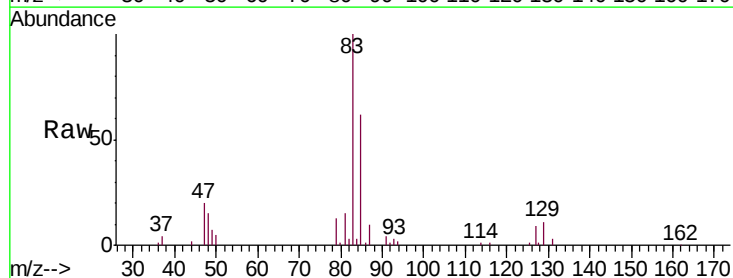
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

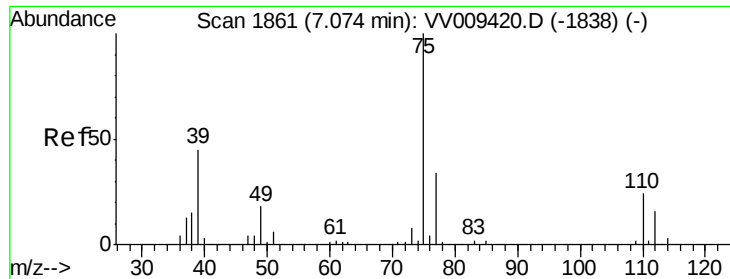
Tgt Ion: 63 Resp: 29172
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.108 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 83 Resp: 41039
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.2 84.0
 127 8.6 7.1 10.7

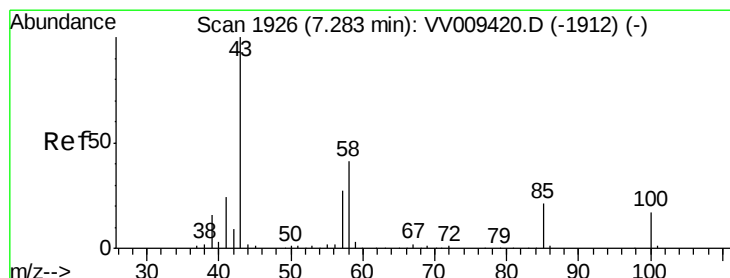
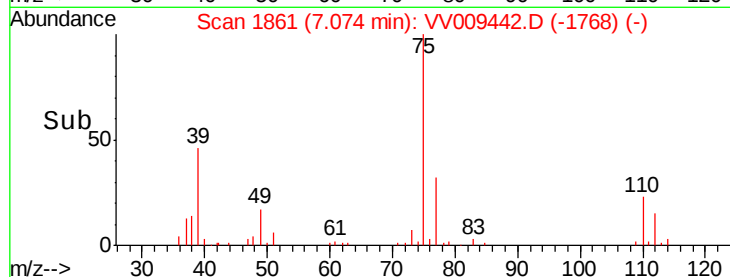
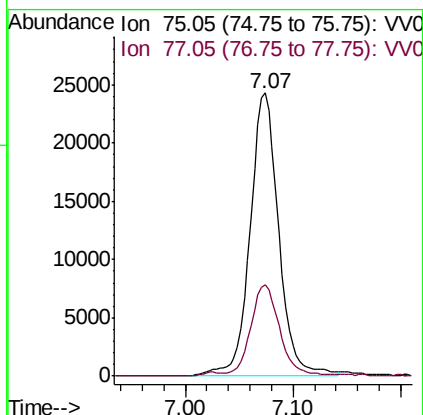
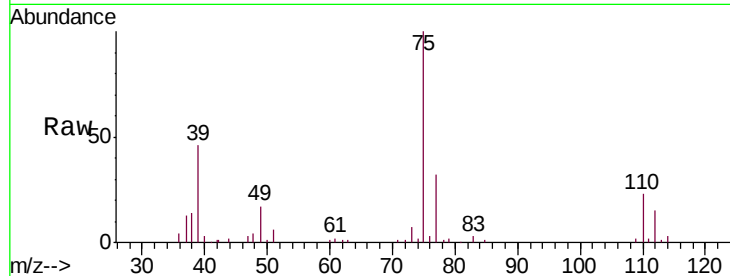




#39
 cis-1,3-Dichloropropene
 Concen: 4.875 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

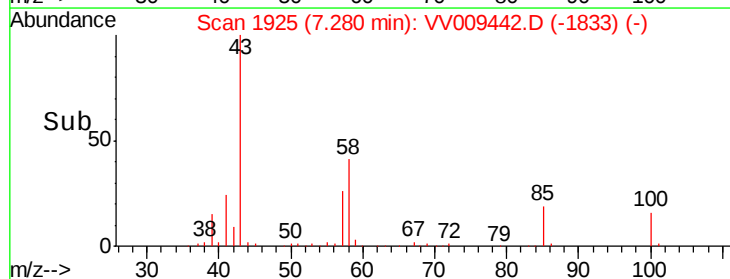
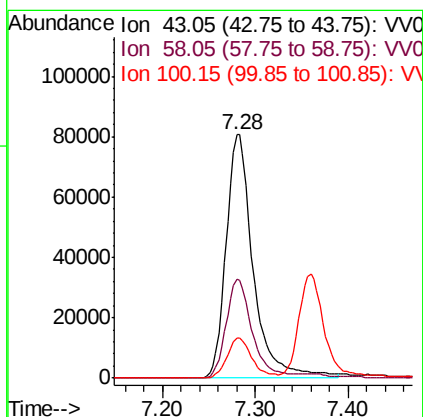
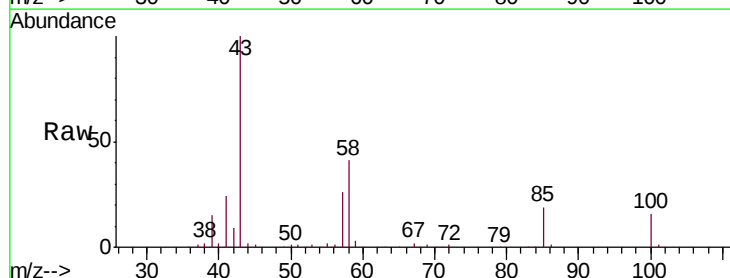
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00568

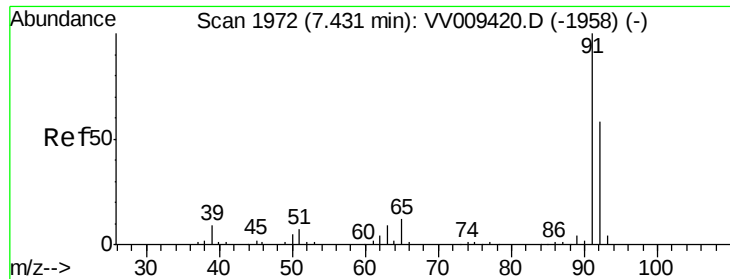
Tgt Ion: 75 Resp: 44904
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 52.426 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 43 Resp: 164022
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.7 49.1
 100 15.2 12.4 18.6





#42

Toluene

Concen: 5.065 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

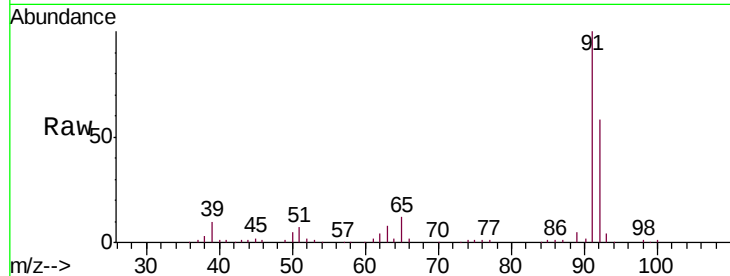
VSTD00568

Tgt Ion: 91 Resp: 137635

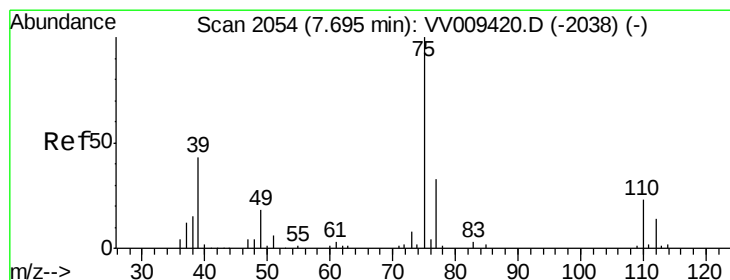
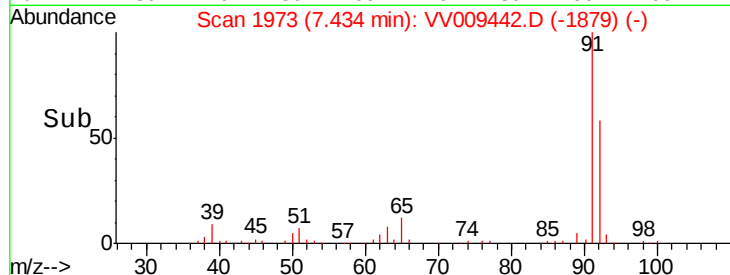
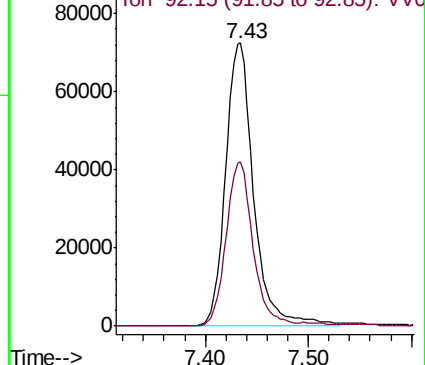
Ion Ratio Lower Upper

91 100

92 58.1 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009442.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.756 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009442.D

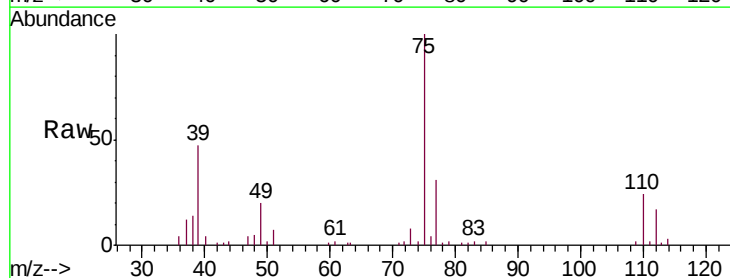
Acq: 28 Feb 2019 23:23

Tgt Ion: 75 Resp: 34151

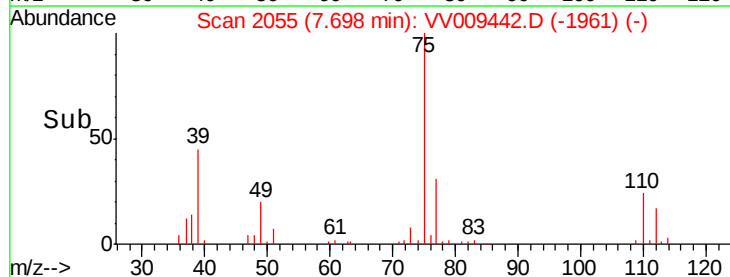
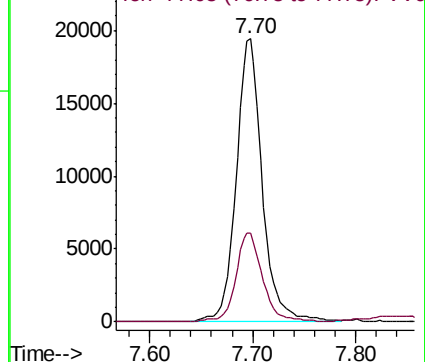
Ion Ratio Lower Upper

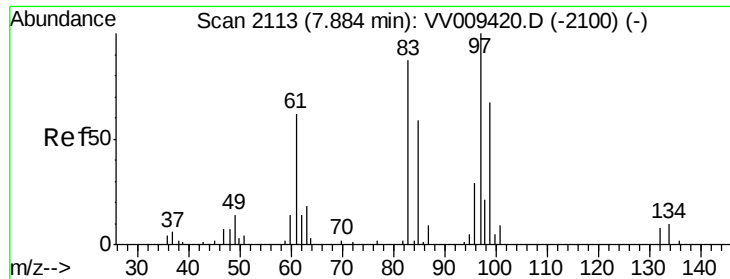
75 100

77 31.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV009442.D (-1961) (-)

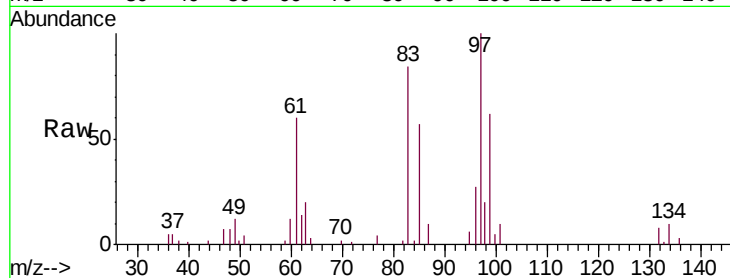




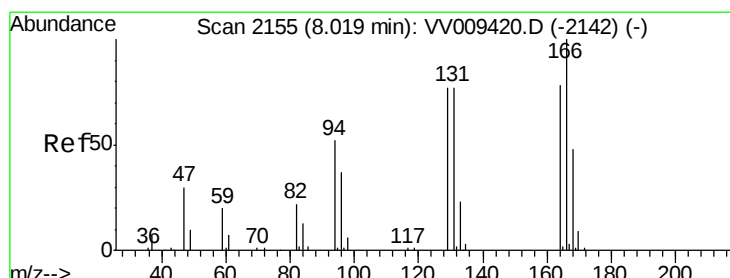
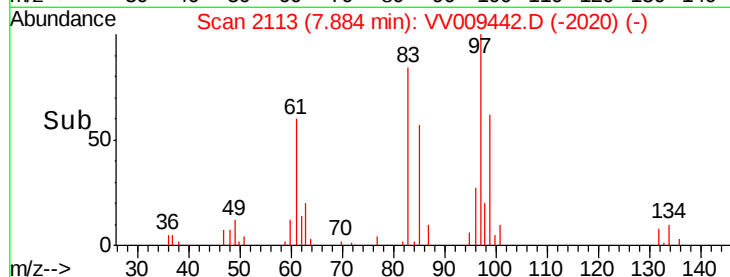
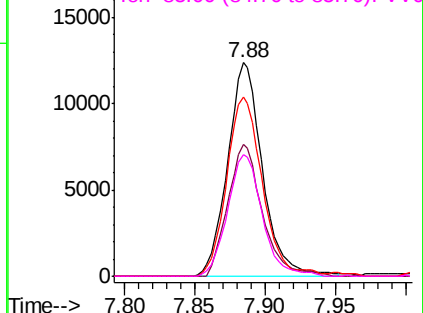
#45
 1,1,2-Trichloroethane
 Concen: 5.097 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:	97	Resp:	21355
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.4	84.4
83	83.7	58.8	109.2
85	56.9	41.9	77.7

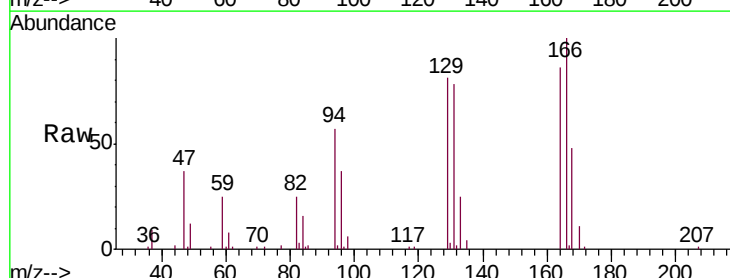


Abundance Ion 96.95 (96.65 to 97.65): VV009442.D (-2020) (-)
 Ion 99.05 (98.75 to 99.75): VV009442.D (-2020) (-)
 Ion 82.95 (82.65 to 83.65): VV009442.D (-2020) (-)
 Ion 85.00 (84.70 to 85.70): VV009442.D (-2020) (-)

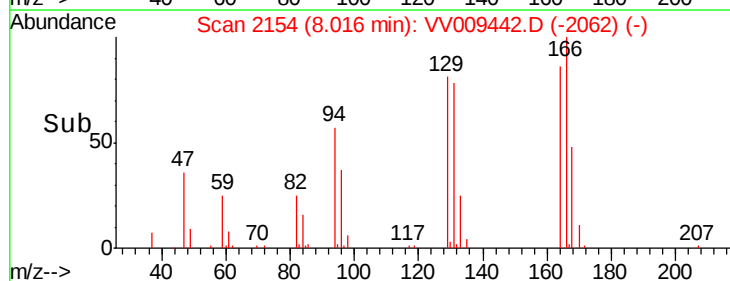
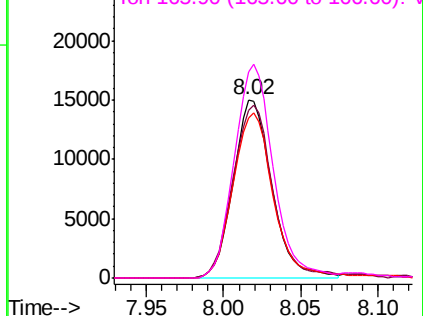


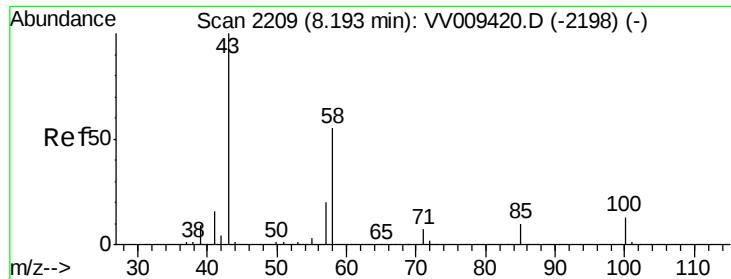
#47
 Tetrachloroethene
 Concen: 4.908 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion:	164	Resp:	25960
Ion	Ratio	Lower	Upper
164	100		
129	93.9	69.3	128.7
131	90.1	64.0	118.8
166	115.6	86.0	159.6



Abundance Ion 163.90 (163.60 to 164.60): VV009442.D (-2062) (-)
 Ion 128.95 (128.65 to 129.65): VV009442.D (-2062) (-)
 Ion 130.95 (130.65 to 131.65): VV009442.D (-2062) (-)
 Ion 165.90 (165.60 to 166.60): VV009442.D (-2062) (-)

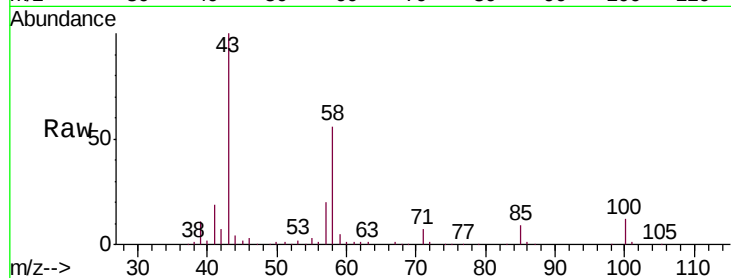




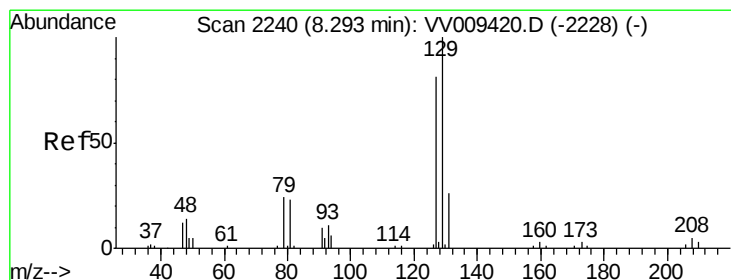
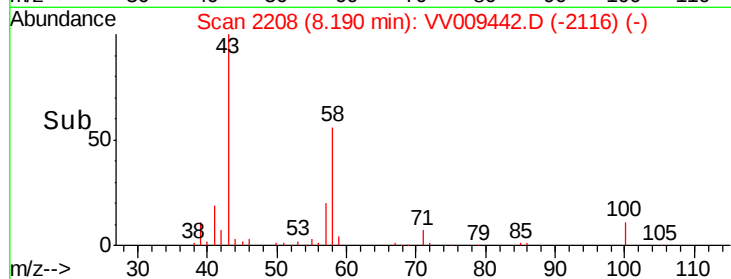
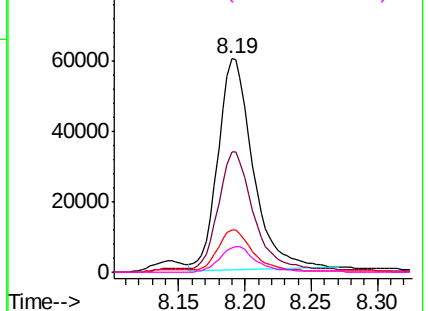
#48
2-Hexanone
Concen: 52.508 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 43 Resp: 110076
Ion Ratio Lower Upper
43 100
58 57.2 45.2 67.8
57 19.7 16.0 24.0
100 13.2 10.2 15.4

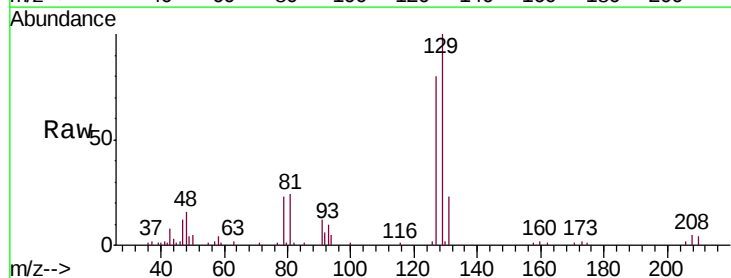


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

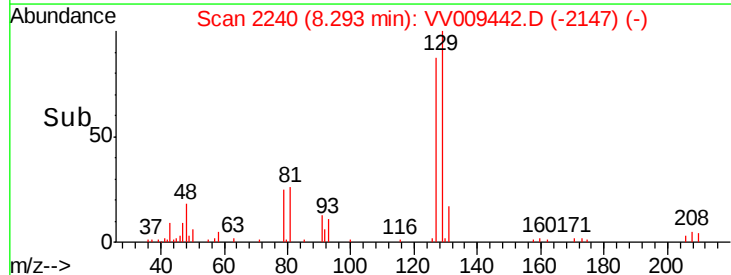
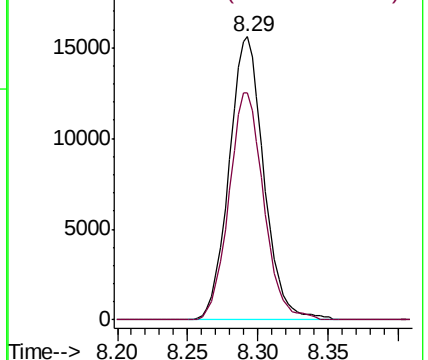


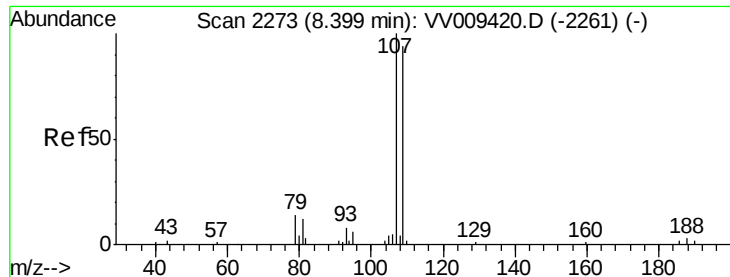
#49
Dibromochloromethane
Concen: 4.943 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Tgt Ion: 129 Resp: 26883
Ion Ratio Lower Upper
129 100
127 80.2 56.6 105.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

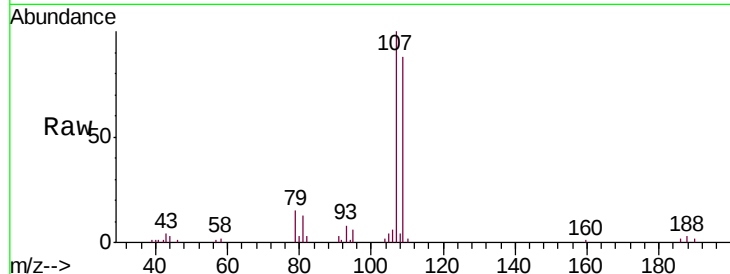




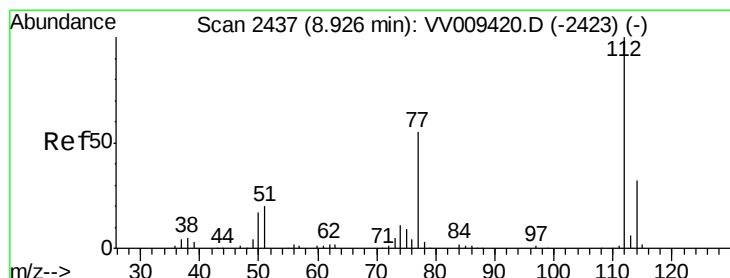
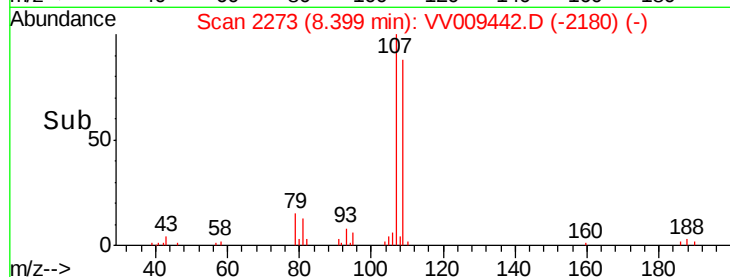
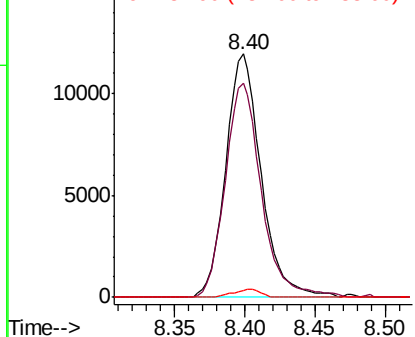
#50
1,2-Dibromoethane
Concen: 5.286 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:107 Resp: 20962
Ion Ratio Lower Upper
107 100
109 87.8 65.7 121.9
188 2.7 2.4 3.6

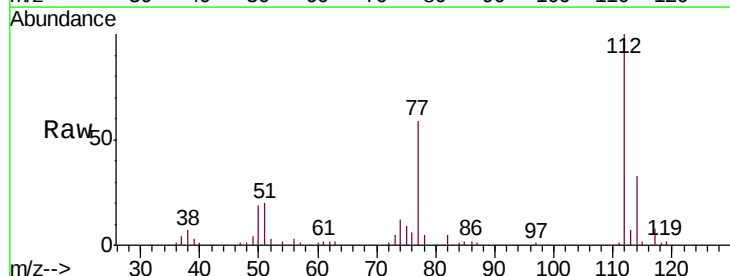


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

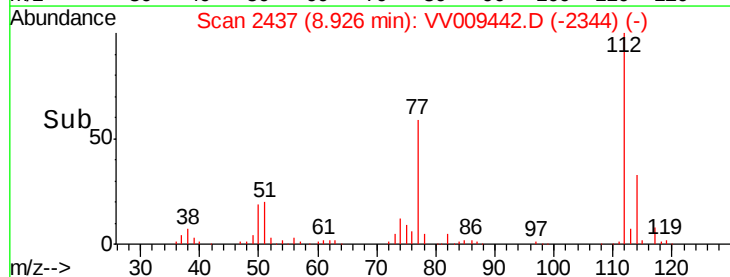
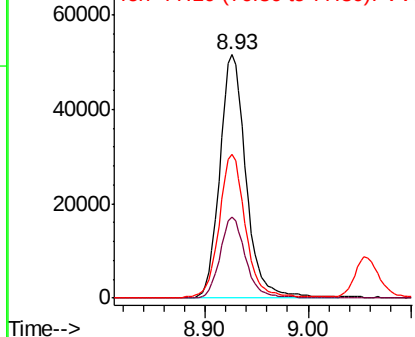


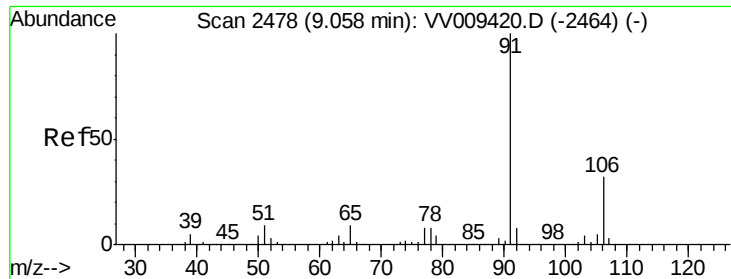
#51
Chlorobenzene
Concen: 5.165 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Tgt Ion:112 Resp: 91447
Ion Ratio Lower Upper
112 100
114 33.2 23.2 43.2
77 58.9 45.7 68.5



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: 5.155 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

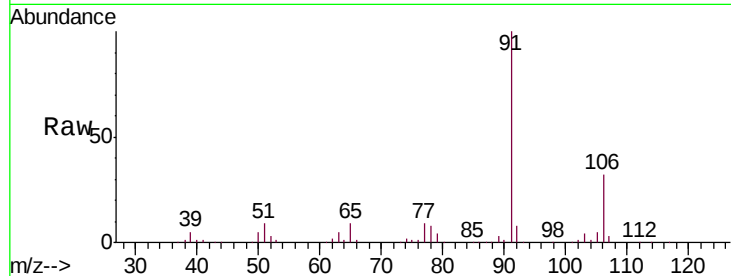
VSTD00568

Tgt Ion: 91 Resp: 159622

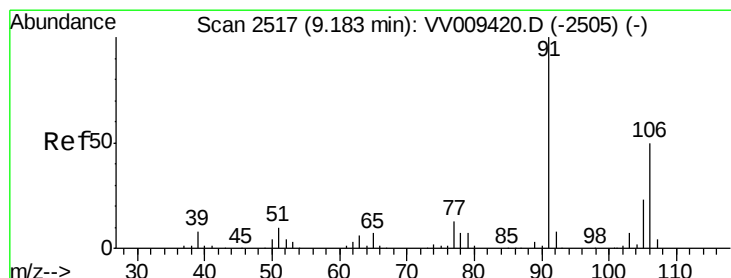
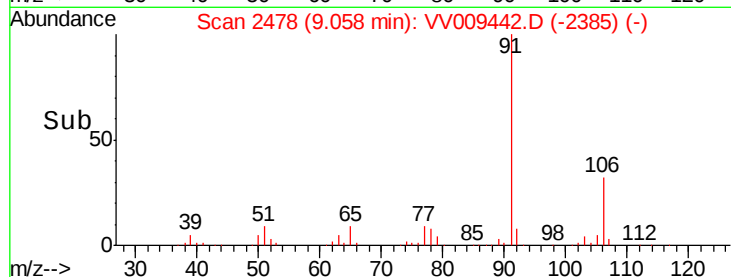
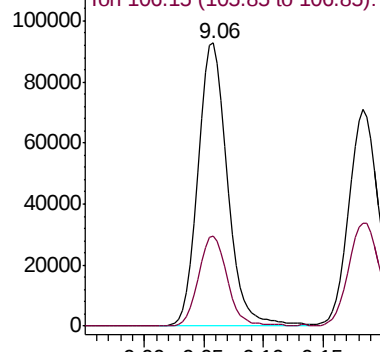
Ion Ratio Lower Upper

91 100

106 31.9 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV009442.D (-2464) (-)



#53

m,p-xylene

Concen: 5.107 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009442.D

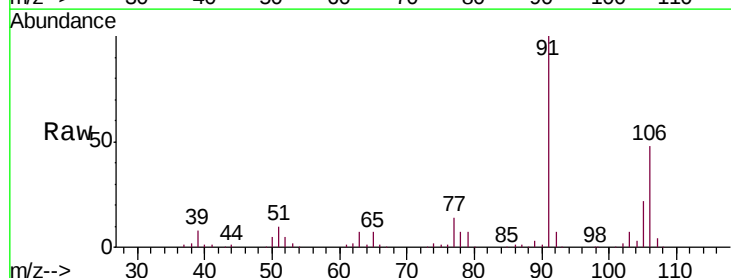
Acq: 28 Feb 2019 23:23

Tgt Ion: 106 Resp: 62011

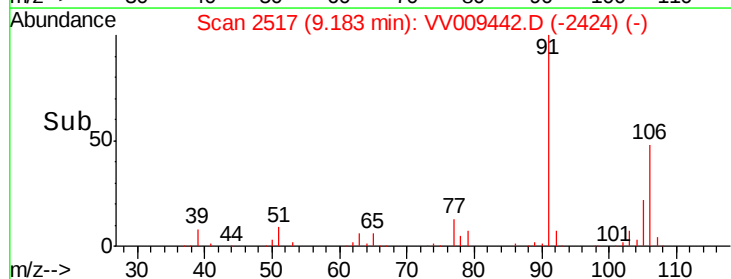
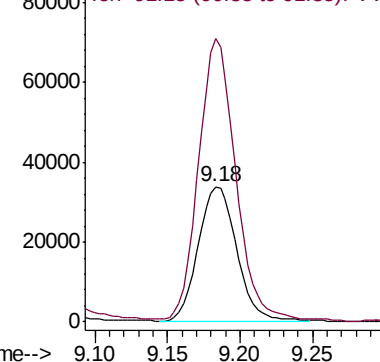
Ion Ratio Lower Upper

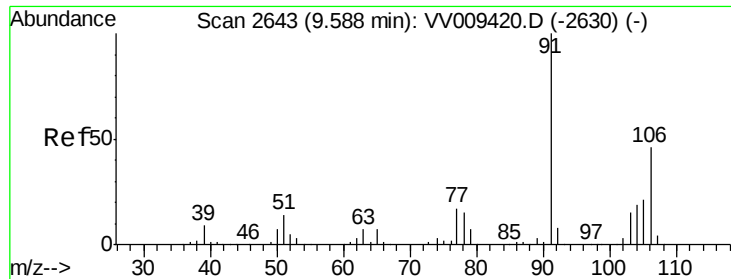
106 100

91 209.2 138.9 258.1



Abundance Ion 106.15 (105.85 to 106.85): VV009442.D (-2505) (-)

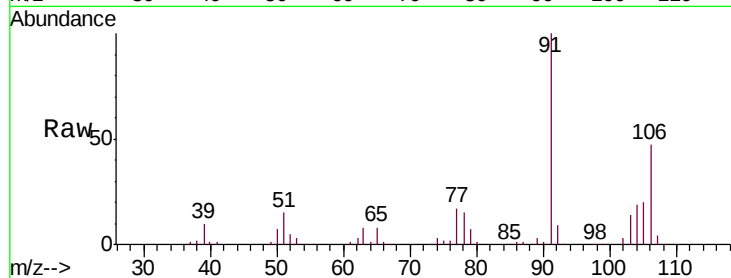




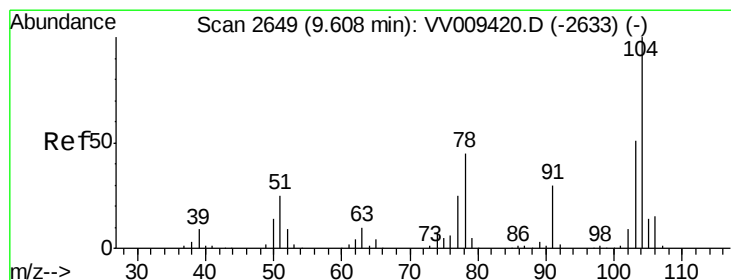
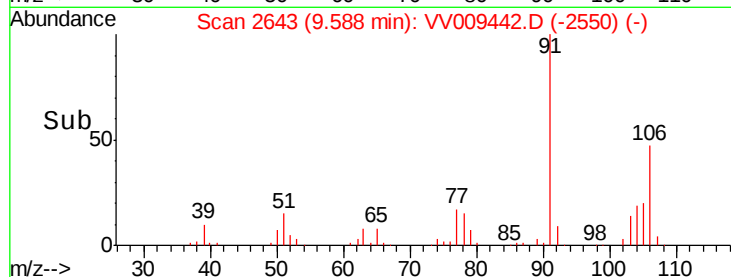
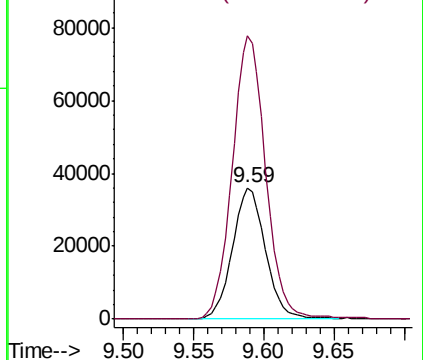
#54
o-xylene
Concen: 5.027 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:106 Resp: 59357
Ion Ratio Lower Upper
106 100
91 215.0 146.3 271.7

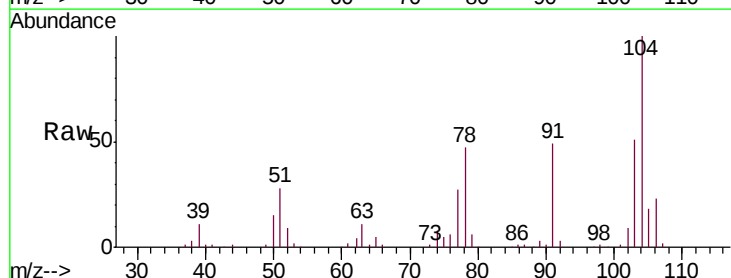


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

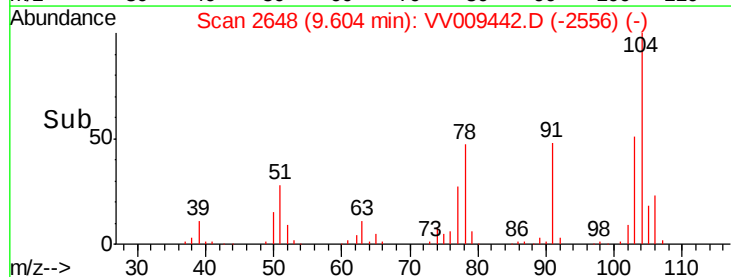
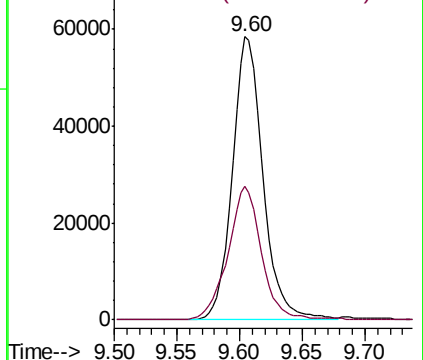


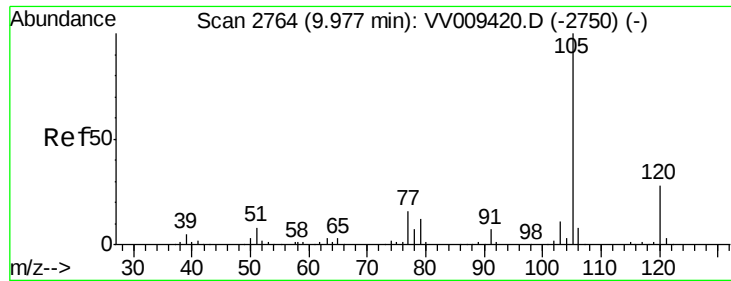
#55
Styrene
Concen: 5.191 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009442.D
Acq: 28 Feb 2019 23:23

Tgt Ion:104 Resp: 99339
Ion Ratio Lower Upper
104 100
78 47.3 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.178 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

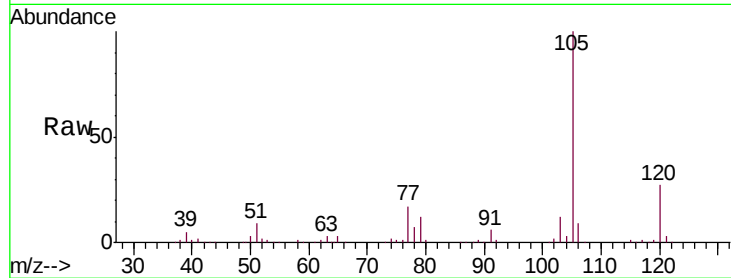
Tgt Ion: 105 Resp: 162401

Ion Ratio Lower Upper

105 100

120 26.5 22.1 33.1

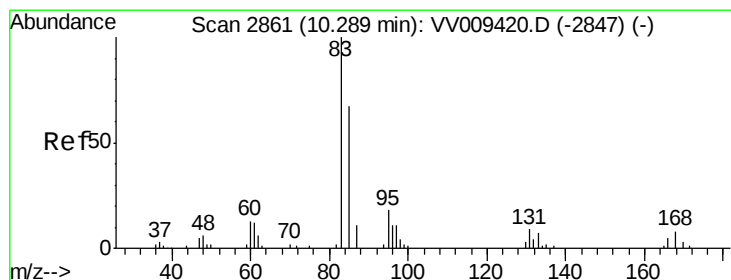
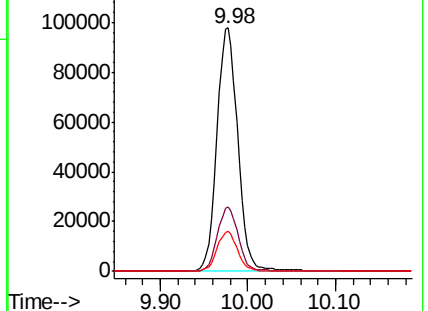
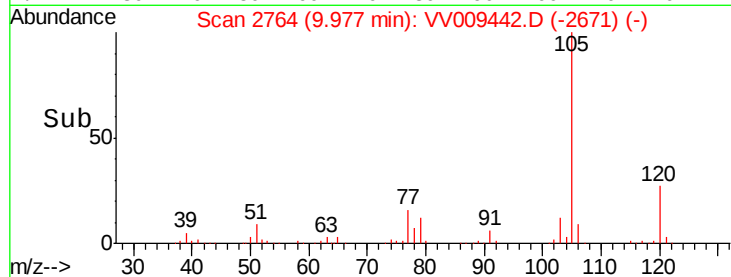
77 16.2 12.8 19.2



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: 5.284 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

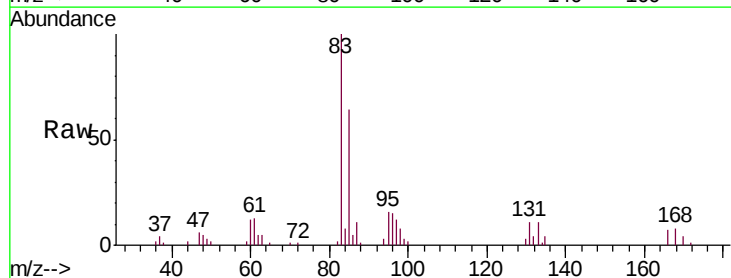
Tgt Ion: 83 Resp: 26542

Ion Ratio Lower Upper

83 100

85 63.6 43.4 80.6

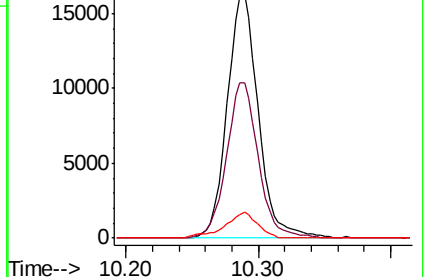
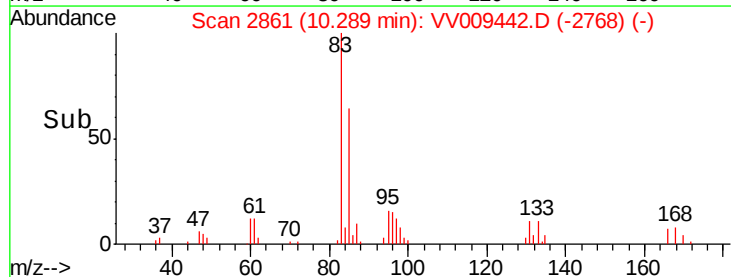
131 10.5 8.2 12.4

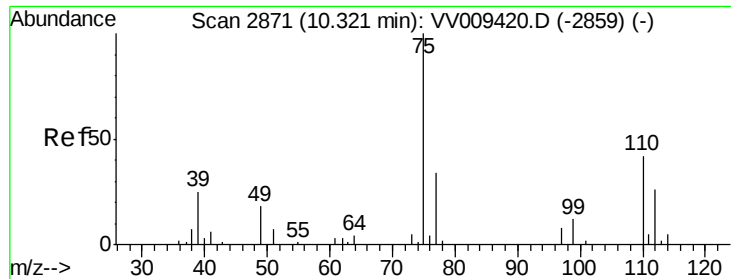


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

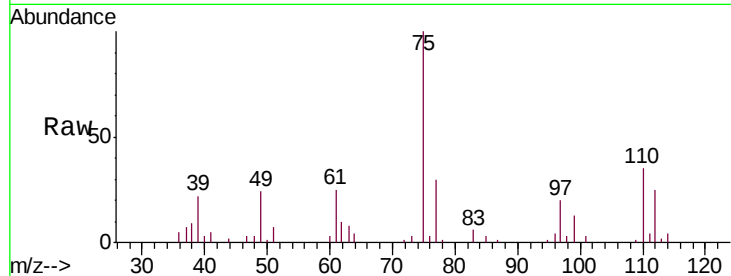




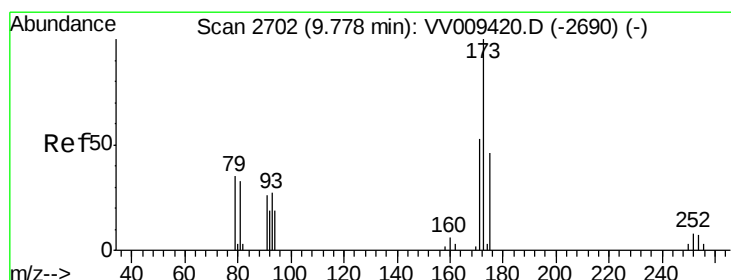
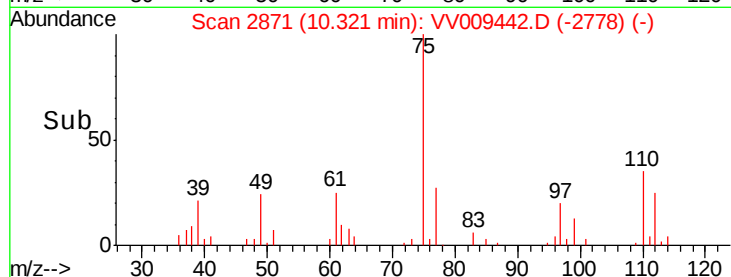
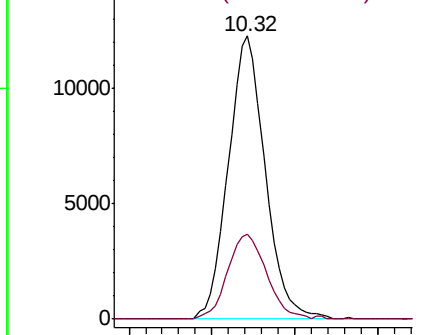
#59
 1,2,3-Trichloropropane
 Concen: 5.576 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 75 Resp: 18964
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3

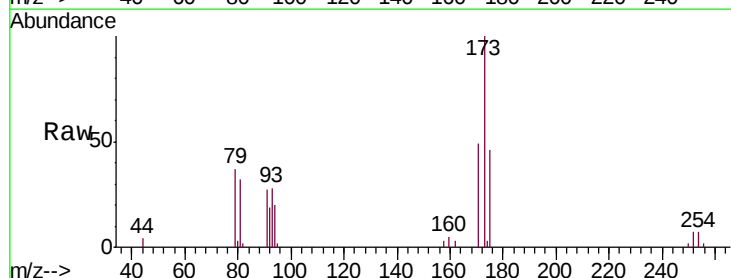


Abundance Ion 75.00 (74.70 to 75.70): VV009442.D (-2778) (-)
 Ion 77.00 (76.70 to 77.70): VV009442.D (-2778) (-)

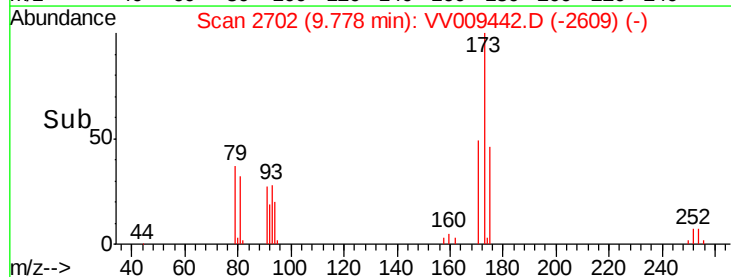
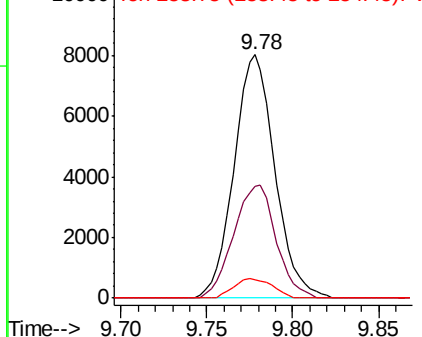


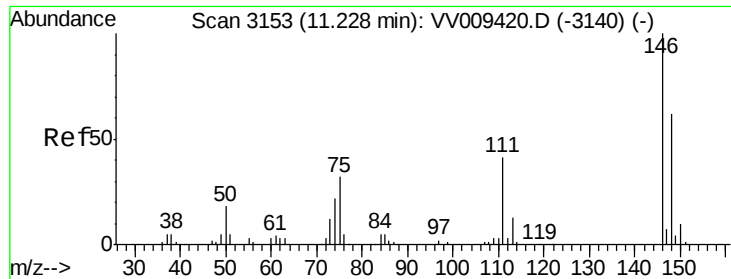
#61
 Bromoform
 Concen: 4.643 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion: 173 Resp: 13228
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.4 56.0
 254 7.4 5.8 8.6



Abundance Ion 172.90 (172.60 to 173.60): VV009442.D (-2609) (-)
 Ion 174.90 (174.60 to 175.60): VV009442.D (-2609) (-)
 Ion 253.75 (253.45 to 254.45): VV009442.D (-2609) (-)





#62

1,3-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

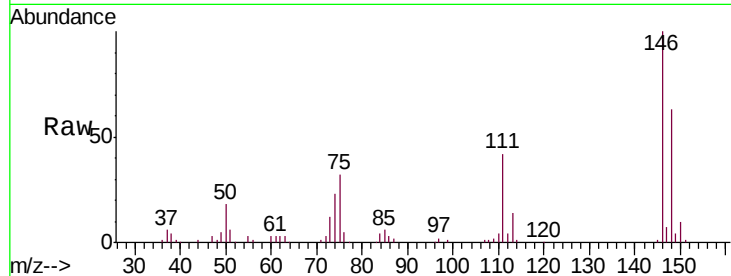
Tgt Ion:146 Resp: 71829

Ion Ratio Lower Upper

146 100

111 42.0 27.9 51.9

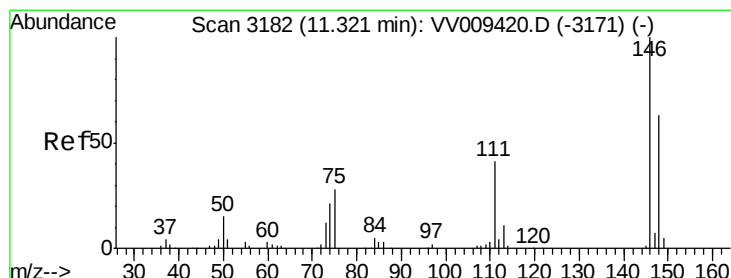
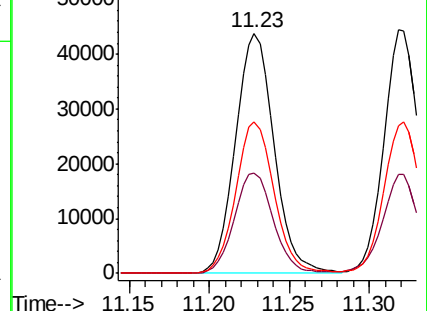
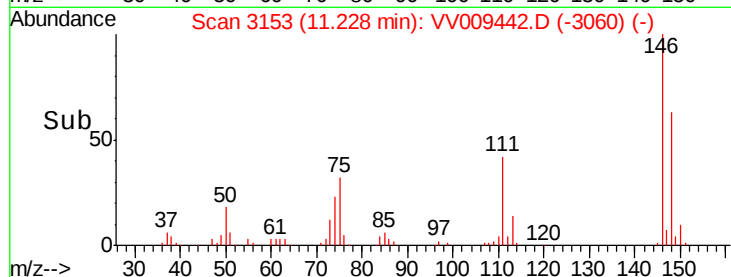
148 63.1 42.6 79.2



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: 5.062 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

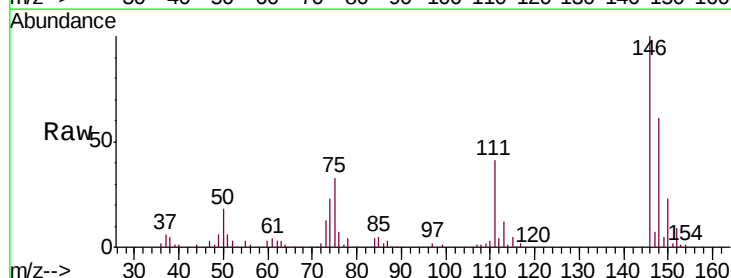
Tgt Ion:146 Resp: 71123

Ion Ratio Lower Upper

146 100

111 40.7 27.2 50.4

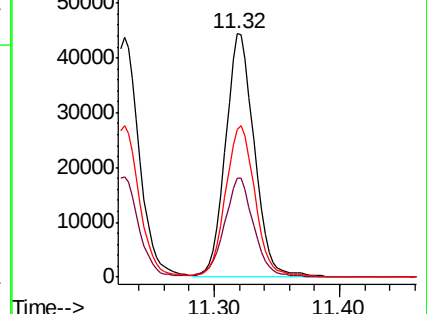
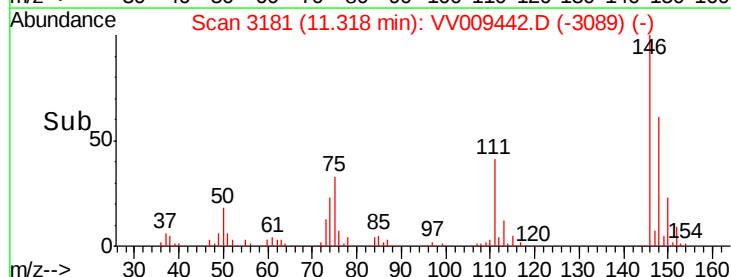
148 60.6 45.7 84.9

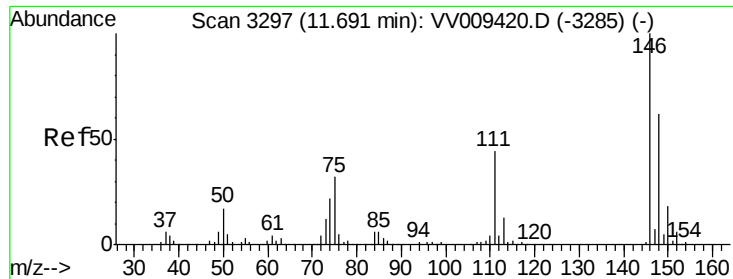


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.006 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

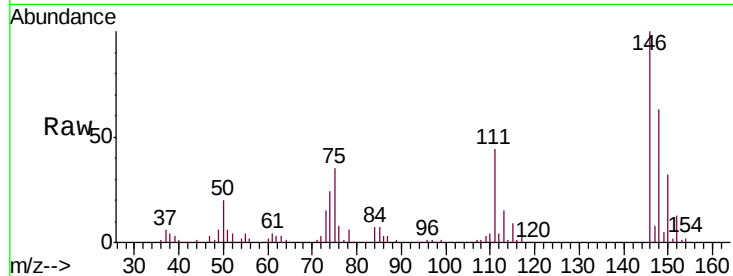
Tgt Ion:146 Resp: 65025

Ion Ratio Lower Upper

146 100

111 44.1 35.6 53.4

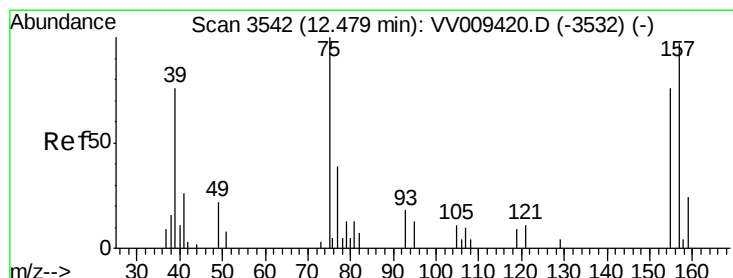
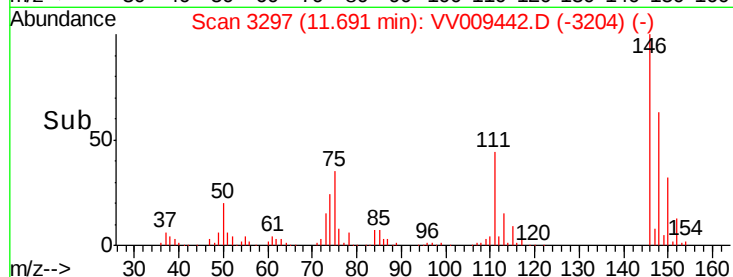
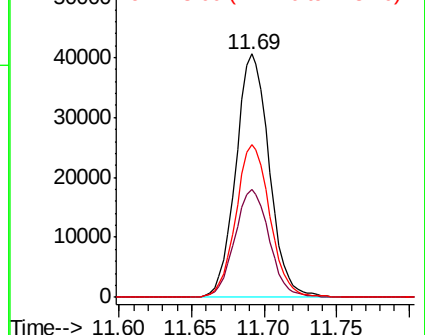
148 62.9 50.9 76.3



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: 4.869 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

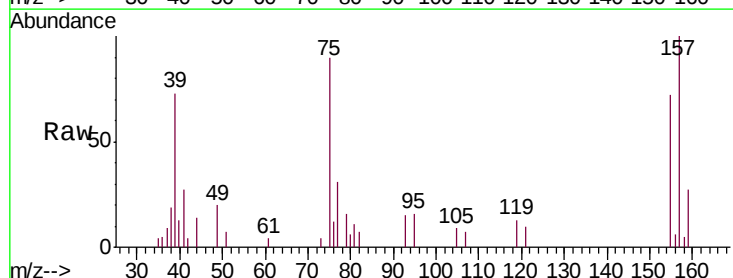
Tgt Ion: 75 Resp: 4053

Ion Ratio Lower Upper

75 100

155 79.5 60.8 91.2

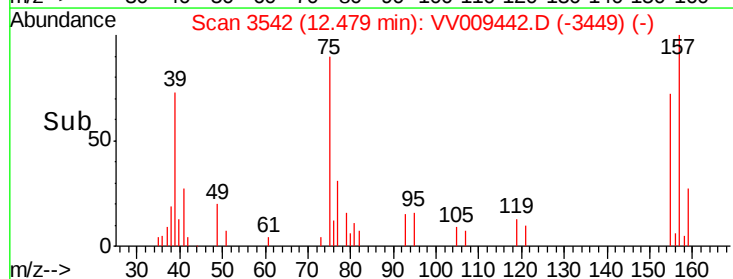
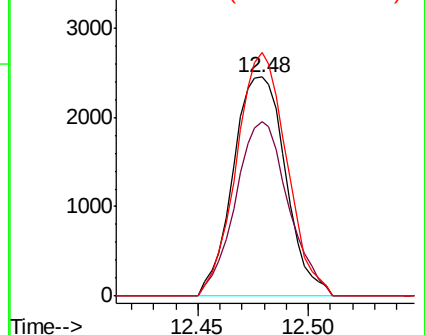
157 111.1 81.7 122.5

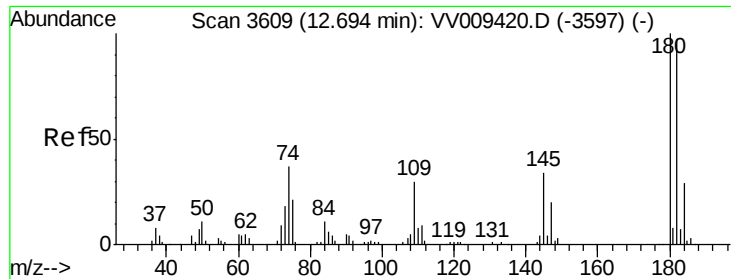


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

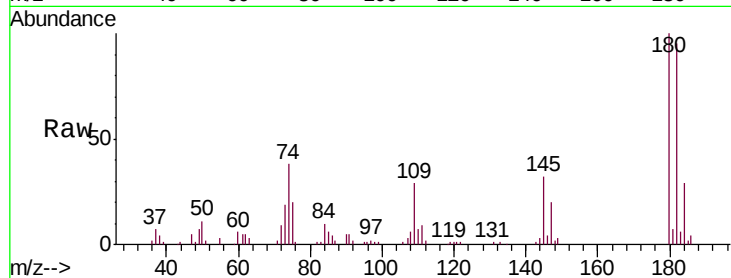




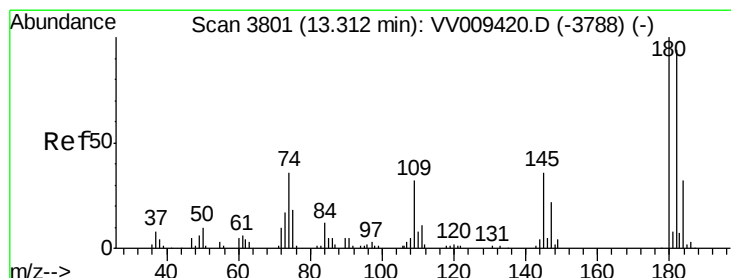
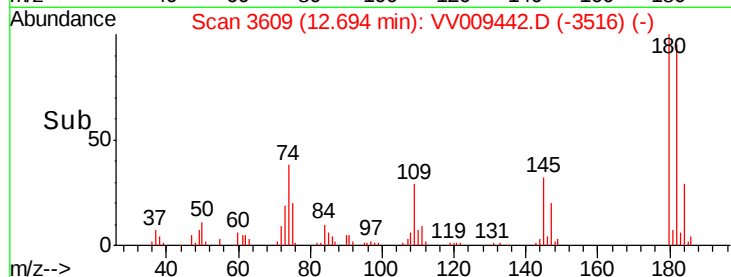
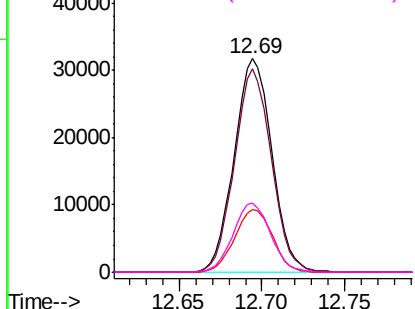
#67
 1,3,5-Trichlorobenzene
 Concen: 4.933 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:180 Resp: 50359
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.5 113.3
 184 29.4 23.4 35.0
 145 32.2 26.6 40.0

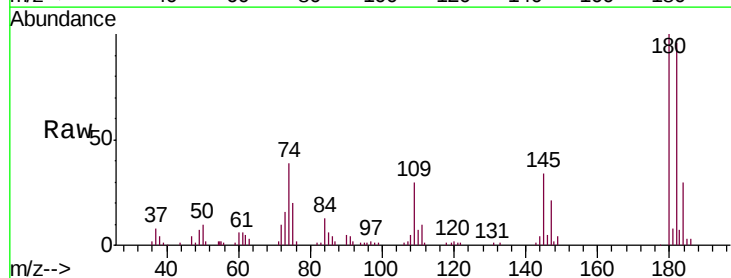


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

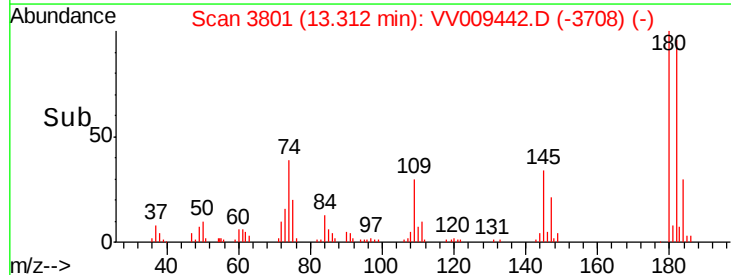
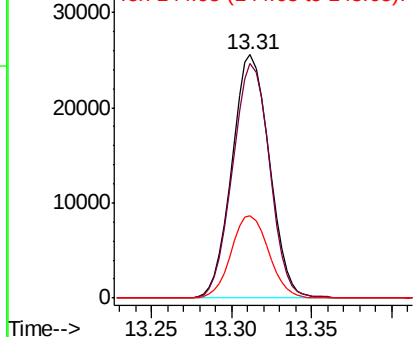


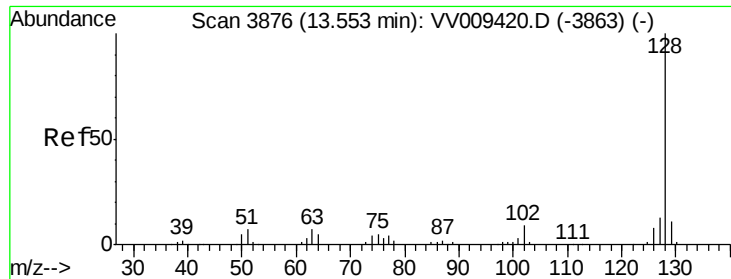
#68
 1,2,4-trichlorobenzene
 Concen: 5.239 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009442.D
 Acq: 28 Feb 2019 23:23

Tgt Ion:180 Resp: 40723
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.7 112.1
 145 33.7 26.6 39.8



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: 5.073 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

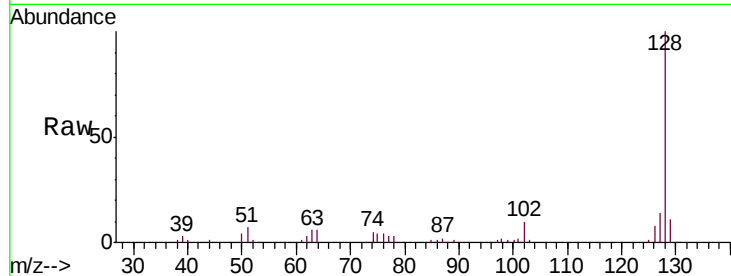
Tgt Ion:128 Resp: 65900

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

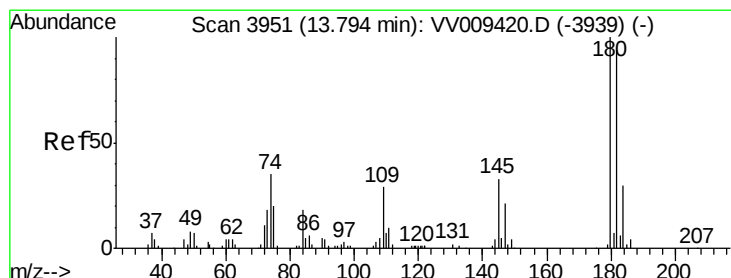
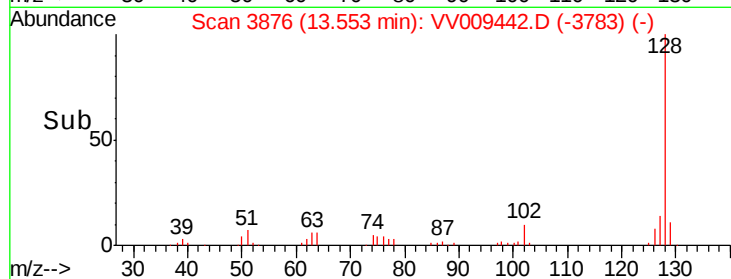
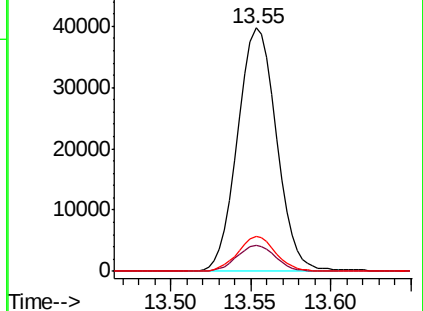
127 13.9 10.1 15.1



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: 5.124 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009442.D

Acq: 28 Feb 2019 23:23

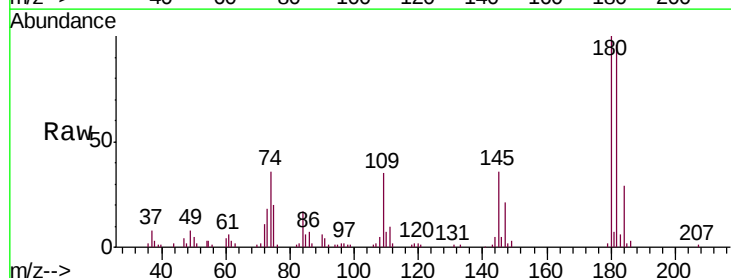
Tgt Ion:180 Resp: 36340

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 36.9 27.6 41.4



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

