

Data File : VV013648.D
Acq On : 15 Nov 2019 19:35
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1Instrument :
MSVOA_V
ClientSampleId :
VSTD00560Quant Time: Nov 15 23:54:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 23:49:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	352830	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	337204	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	179599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108507	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.58	69	99192	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	197134	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	3.96	46	310982	61.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.40%
24) Chloroform-d	4.40	84	248810	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.08	65	124033	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.09	84	475508	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.11	67	146369	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	452590	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.66	79	54823	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.13	63	255148	63.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	114503	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	182897	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	162327	5.003 ug/L	100
3) Chloromethane	1.25	50	160281	5.135 ug/L	99
5) Vinyl chloride	1.32	62	150780	5.070 ug/L	99
6) Bromomethane	1.53	94	92310	5.093 ug/L	96
8) Chloroethane	1.60	64	86280	5.169 ug/L	96
9) Trichlorofluoromethane	1.77	101	204063	5.162 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109457	5.041 ug/L	97
12) 1,1-Dichloroethene	2.14	96	107402	5.095 ug/L	99
13) Acetone	2.23	43	180004	56.604 ug/L #	31
14) Carbon disulfide	2.31	76	356583	4.904 ug/L	100
15) Methyl Acetate	2.48	43	49579	5.505 ug/L	97
16) Methylene chloride	2.53	84	136513	4.660 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	288814	5.365 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	132227	5.087 ug/L	94
19) 1,1-Dichloroethane	3.23	63	240146	5.173 ug/L	99
21) 2-Butanone	4.04	43	325720	61.079 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	136550	5.061 ug/L #	98

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ALS Vial : 16 Sample Multiplier: 1

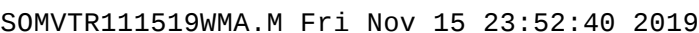
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

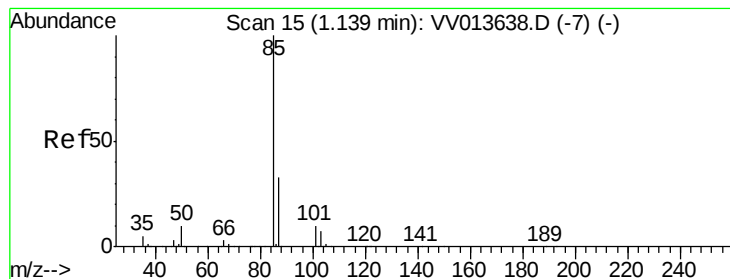
Quant Time: Nov 15 23:54:36 2019
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	64237	5.165	ug/L	96
25) Chloroform	4.42	83	269717	4.290	ug/L	99
27) 1,2-Dichloroethane	5.18	62	152570	5.462	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	211902	5.199	ug/L	98
30) Cyclohexane	4.72	56	203087	5.008	ug/L	100
31) Carbon tetrachloride	4.87	117	187209	5.084	ug/L	98
33) Benzene	5.14	78	540246	5.293	ug/L	100
34) Trichloroethene	5.95	95	142764	5.226	ug/L	97
35) Methylcyclohexane	6.17	83	205135	4.923	ug/L	98
37) 1,2-Dichloropropane	6.22	63	130717	5.348	ug/L	100
38) Bromodichloromethane	6.55	83	174908	5.132	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	186542	5.310	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	837485	58.899	ug/L	99
42) Toluene	7.43	91	580846	5.327	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	148889	5.378	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	94803	5.379	ug/L	98
47) Tetrachloroethene	8.02	164	126374	4.992	ug/L	97
48) 2-Hexanone	8.18	43	616114	61.094	ug/L	100
49) Dibromochloromethane	8.29	129	120519	5.386	ug/L	99
50) 1,2-Dibromoethane	8.39	107	89542	5.289	ug/L	99
51) Chlorobenzene	8.92	112	362905	5.019	ug/L	98
52) Ethylbenzene	9.05	91	595594	5.124	ug/L	100
53) m,p-xylene	9.18	106	232247	5.298	ug/L	100
54) o-xylene	9.58	106	219374	5.203	ug/L	98
55) Styrene	9.60	104	385868	5.411	ug/L	100
56) Isopropylbenzene	9.97	105	587788	5.243	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	111542	5.705	ug/L	95
59) 1,2,3-Trichloropropane	10.31	75	80649	5.339	ug/L	97
61) Bromoform	9.77	173	72249	5.373	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	303758	5.046	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	303629	4.967	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	283955	5.064	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	17508	5.230	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	241117	4.826	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	192147	4.681	ug/L	99
69) Naphthalene	13.55	128	264920	4.726	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	187213	4.993	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 5.003 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

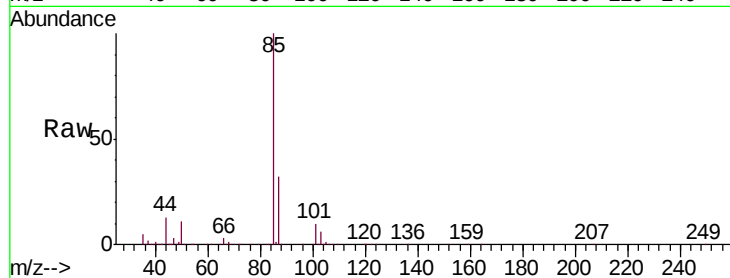
VSTD00560

Tgt Ion: 85 Resp: 162327

Ion Ratio Lower Upper

85 100

87 32.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013638.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013638.D (-7) (-)

1.14

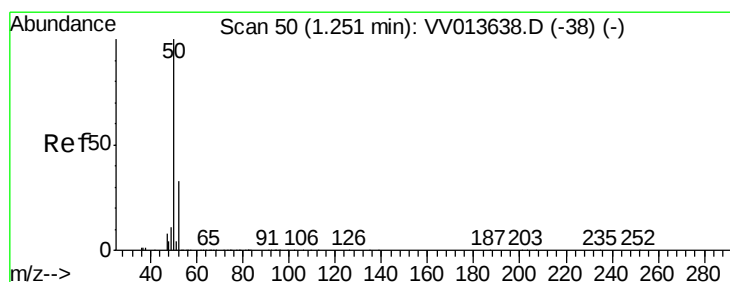
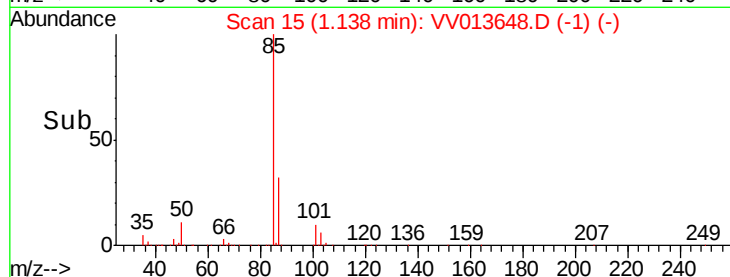
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.135 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013648.D

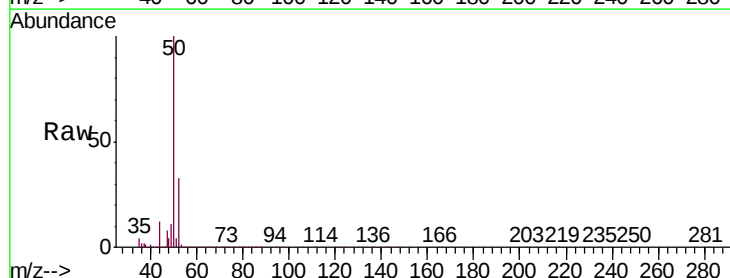
Acq: 15 Nov 2019 19:35

Tgt Ion: 50 Resp: 160281

Ion Ratio Lower Upper

50 100

52 33.0 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013638.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV013638.D (-38) (-)

1.25

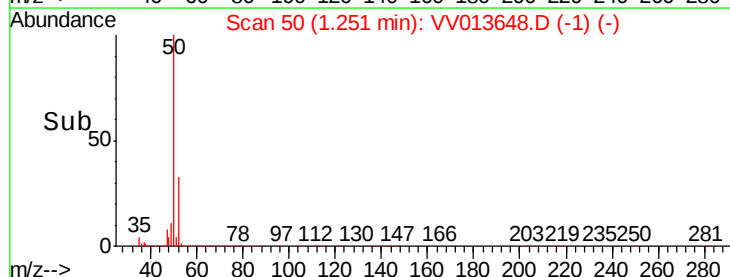
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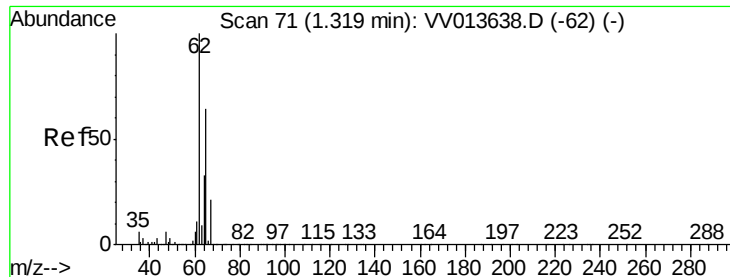
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.070 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

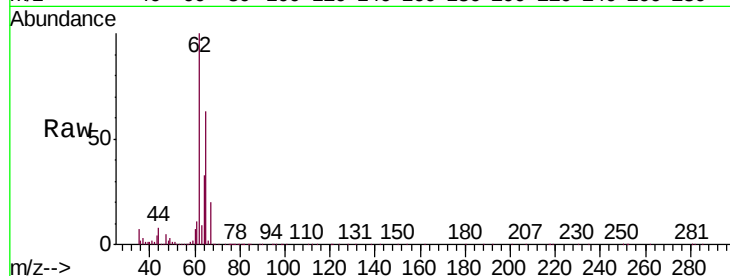
VSTD00560

Tgt Ion: 62 Resp: 150780

Ion Ratio Lower Upper

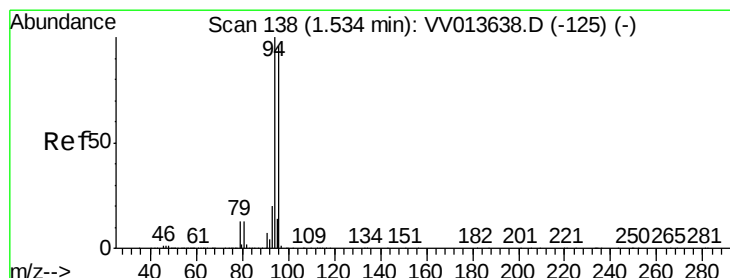
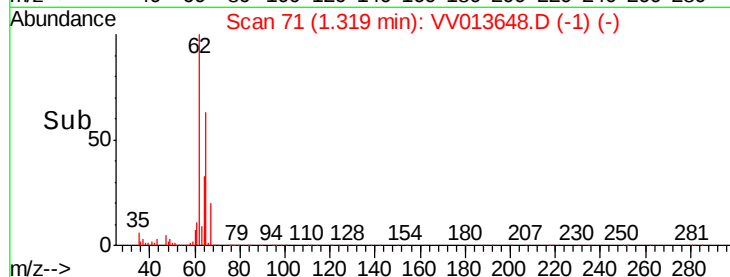
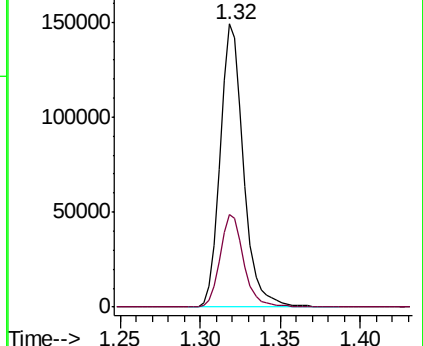
62 100

64 32.9 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.093 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013648.D

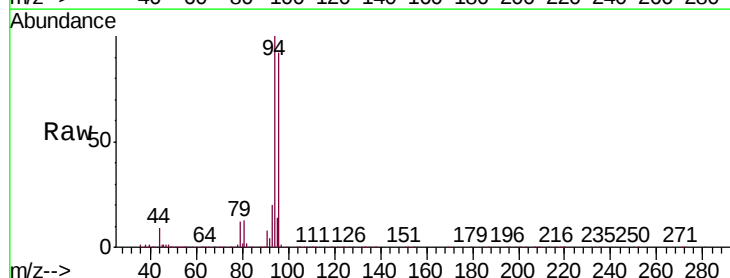
Acq: 15 Nov 2019 19:35

Tgt Ion: 94 Resp: 92310

Ion Ratio Lower Upper

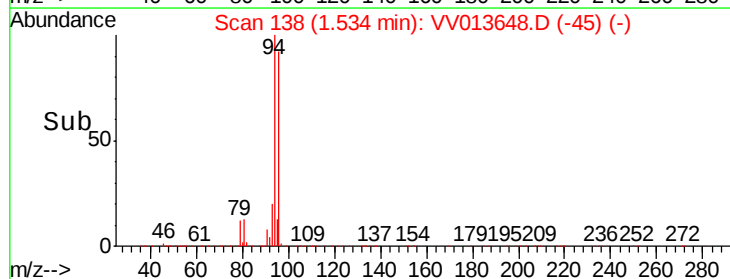
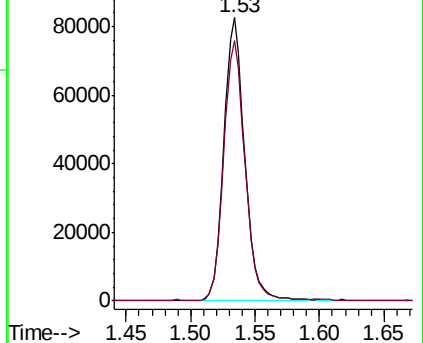
94 100

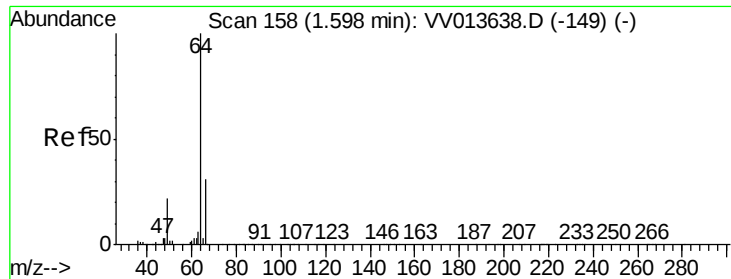
96 92.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

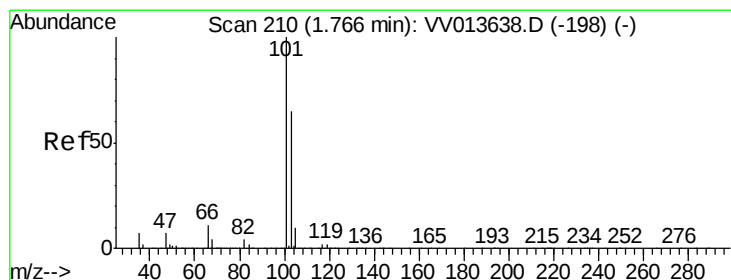
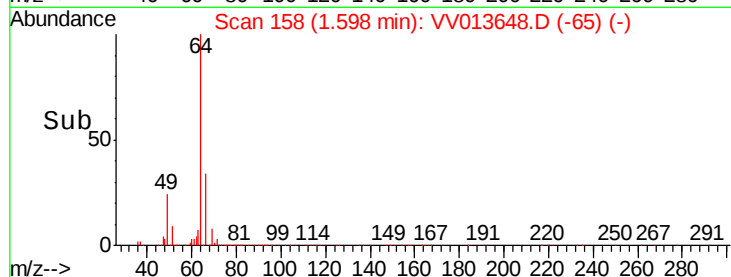
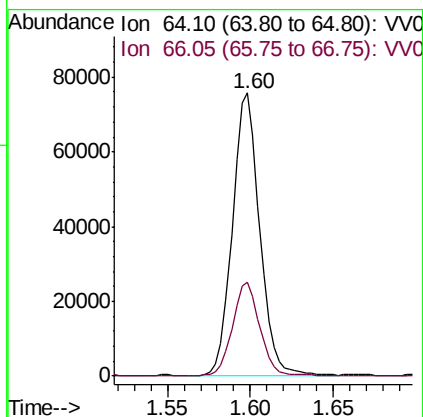
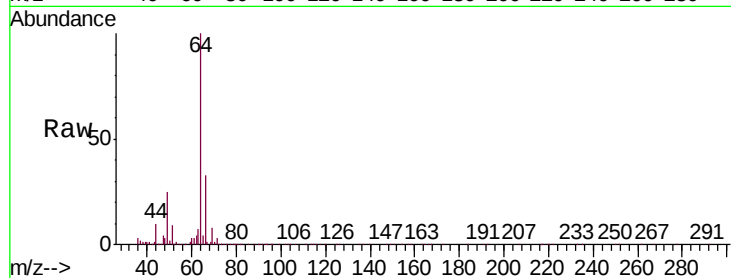




#8
Chloroethane
Concen: 5.169 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

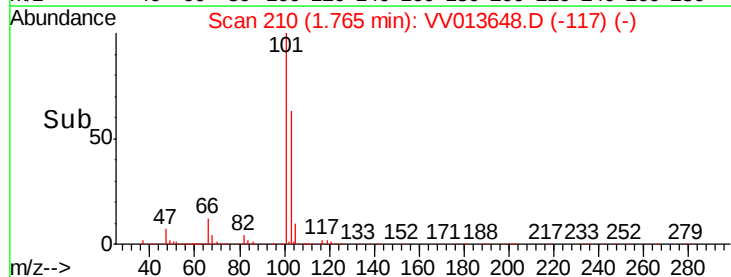
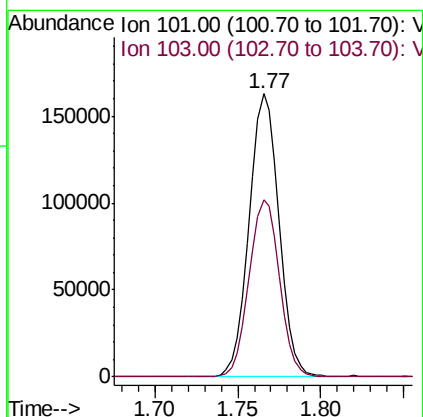
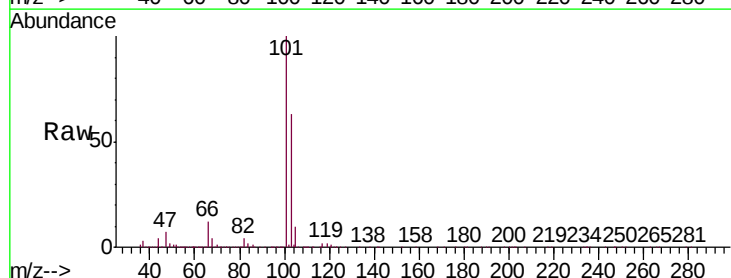
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

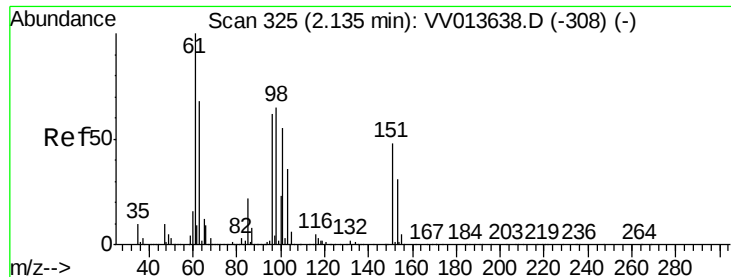
Tgt Ion: 64 Resp: 86280
Ion Ratio Lower Upper
64 100
66 33.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 5.162 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Tgt Ion: 101 Resp: 204063
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4





#10

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

Concen: 5.041 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

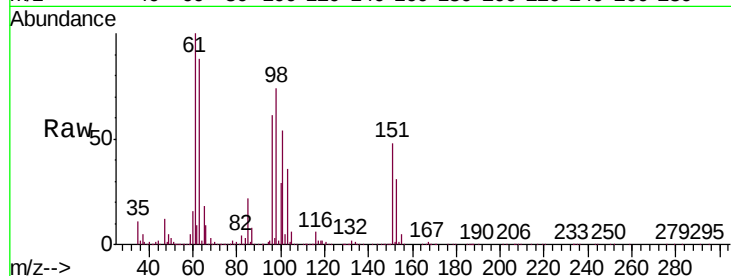
Tgt Ion: 101 Resp: 109457

Ion Ratio Lower Upper

101 100

85 42.0 32.0 48.0

151 88.8 69.0 103.6

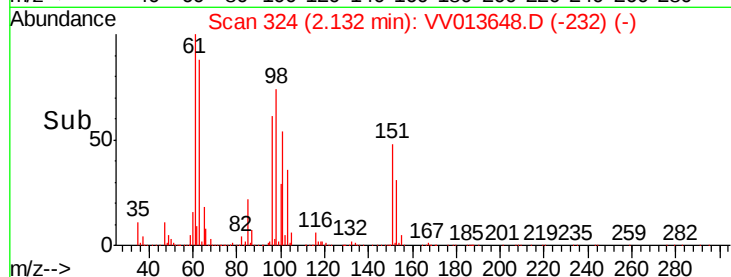


Abundance Ion 101.00 (100.70 to 101.70): VV013648.D (-232) (-)

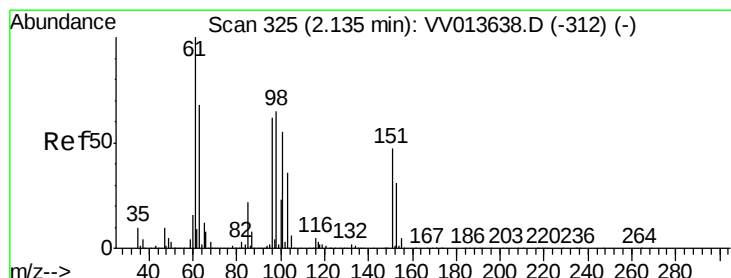
Ion 85.00 (84.70 to 85.70): VV013648.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013648.D (-232) (-)

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 5.095 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

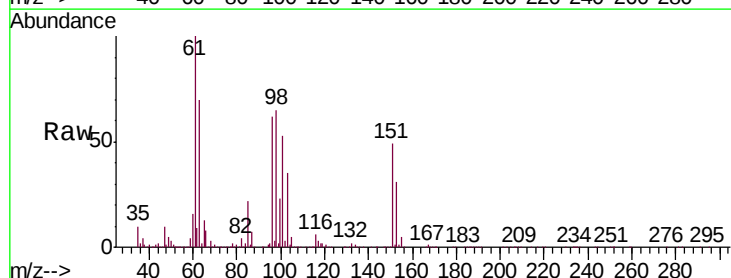
Tgt Ion: 96 Resp: 107402

Ion Ratio Lower Upper

96 100

61 161.3 112.5 208.9

63 113.0 76.9 142.7

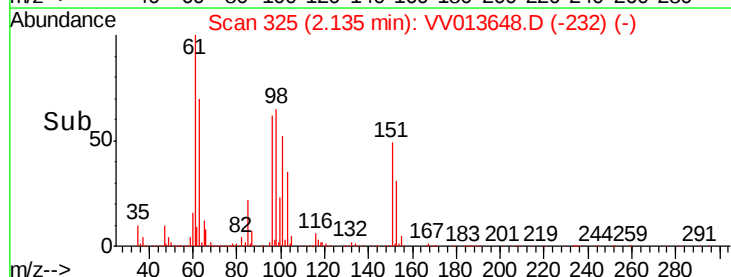


Abundance Ion 96.00 (95.70 to 96.70): VV013648.D (-232) (-)

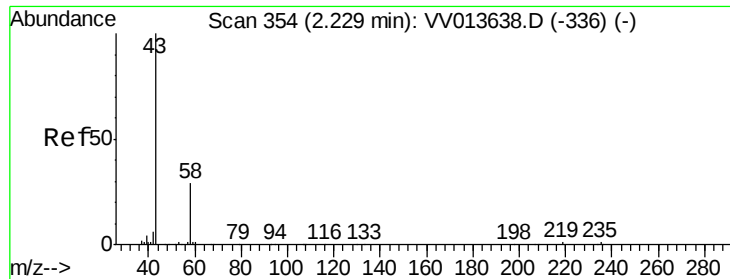
Ion 61.05 (60.75 to 61.75): VV013648.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV013648.D (-232) (-)

Time-->



Time-->



#13

Acetone

Concen: 56.604 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

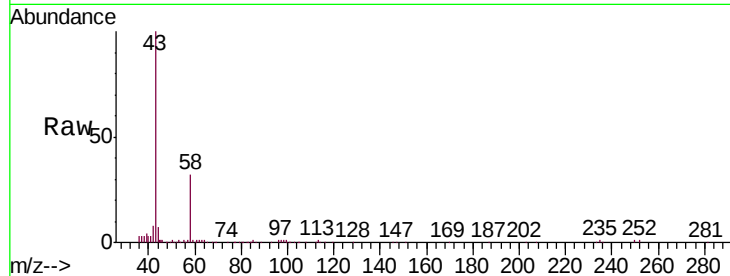
VSTD00560

Tgt Ion: 43 Resp: 180004

Ion Ratio Lower Upper

43 100

58 33.0 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

40000

30000

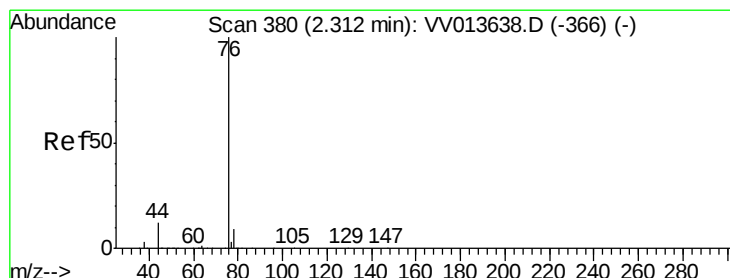
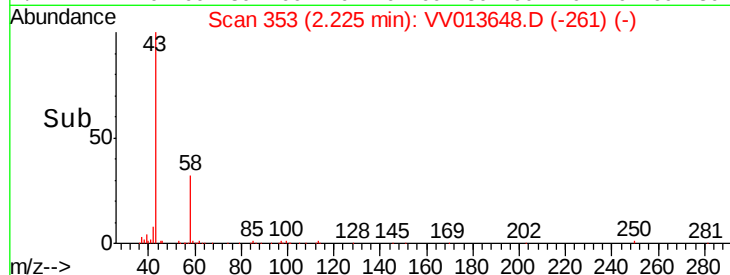
20000

10000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 4.904 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013648.D

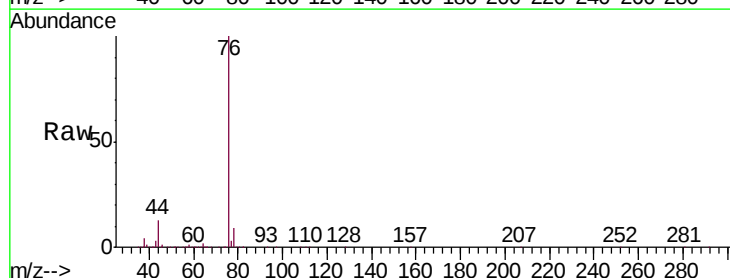
Acq: 15 Nov 2019 19:35

Tgt Ion: 76 Resp: 356583

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

250000

200000

150000

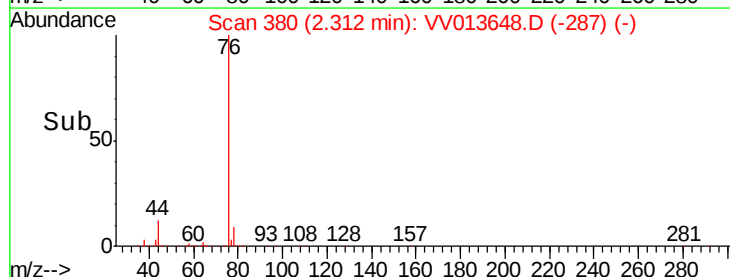
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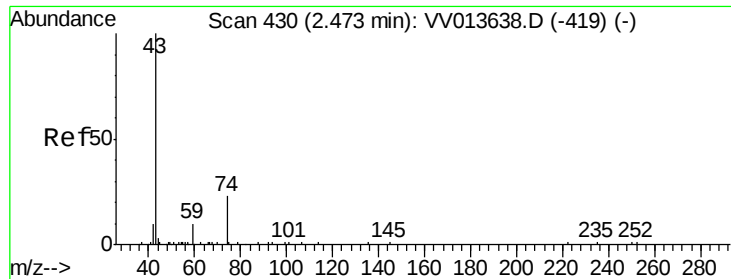
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0

2.25 2.30 2.35 2.40

Time-->

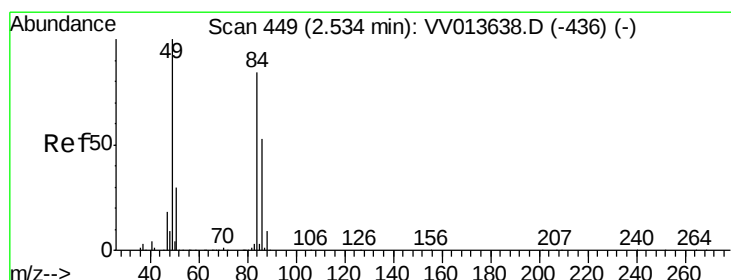
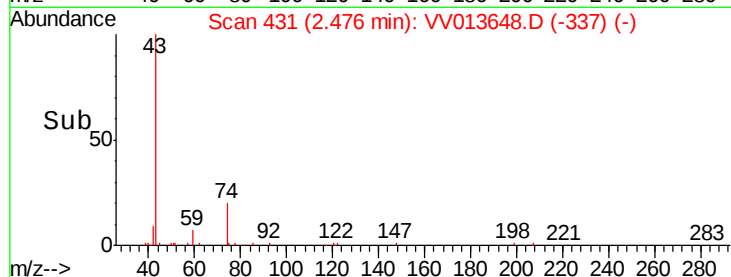
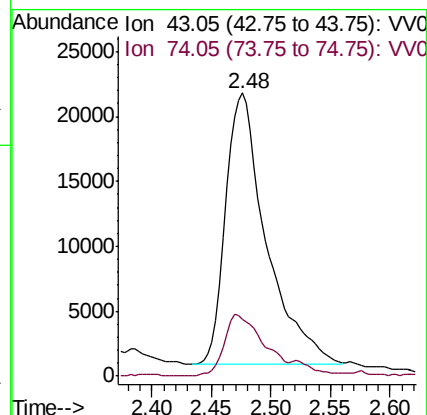
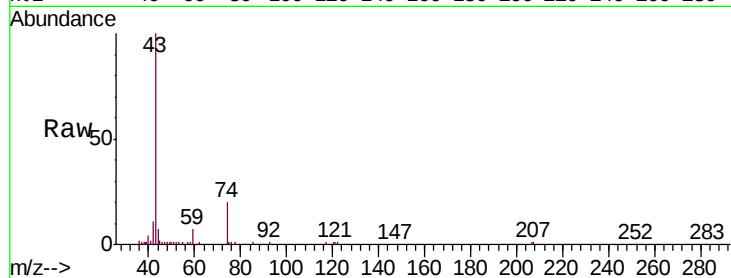




#15
Methyl Acetate
Concen: 5.505 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

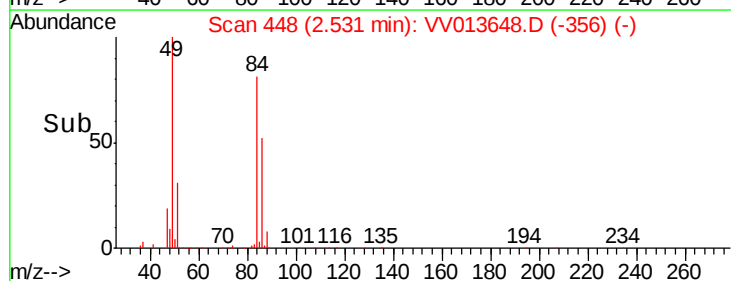
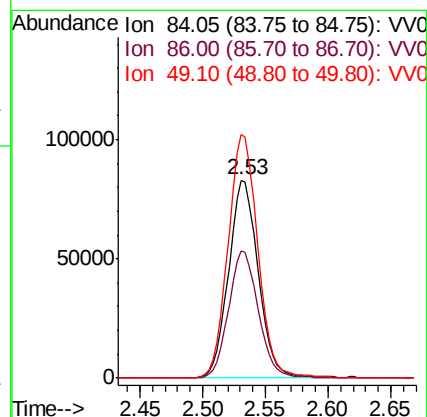
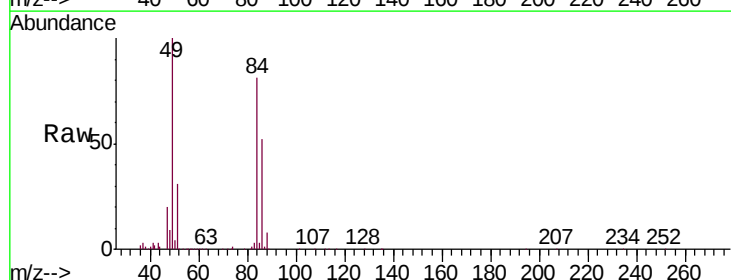
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

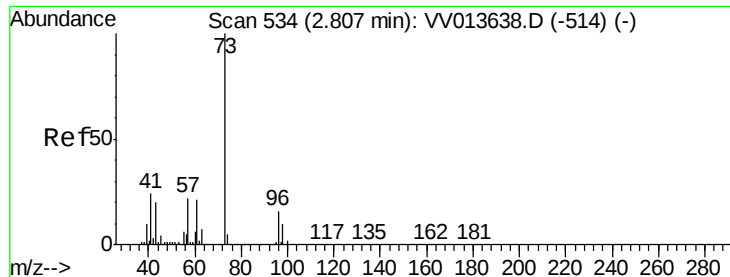
Tgt Ion: 43 Resp: 49579
Ion Ratio Lower Upper
43 100
74 22.0 18.9 28.3



#16
Methylene chloride
Concen: 4.660 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Tgt Ion: 84 Resp: 136513
Ion Ratio Lower Upper
84 100
86 64.1 44.1 81.9
49 123.2 83.4 155.0





#17

Methyl tert-butyl Ether

Concen: 5.365 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

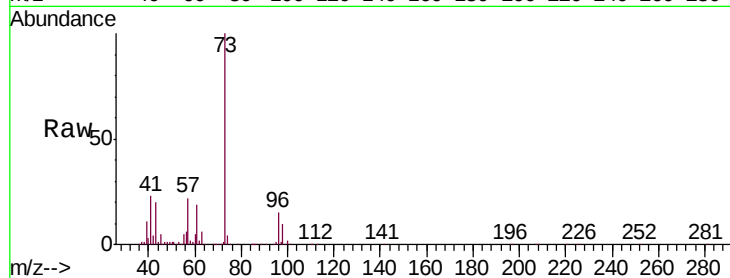
Tgt Ion: 73 Resp: 288814

Ion Ratio Lower Upper

73 100

43 19.8 15.4 23.0

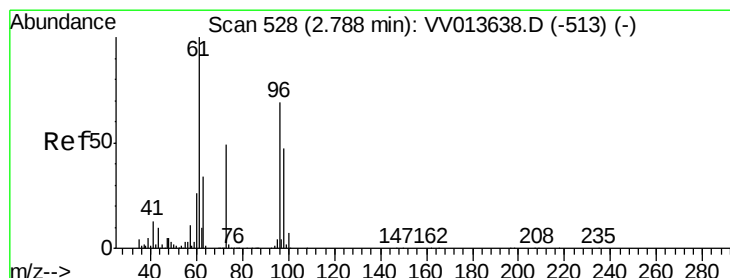
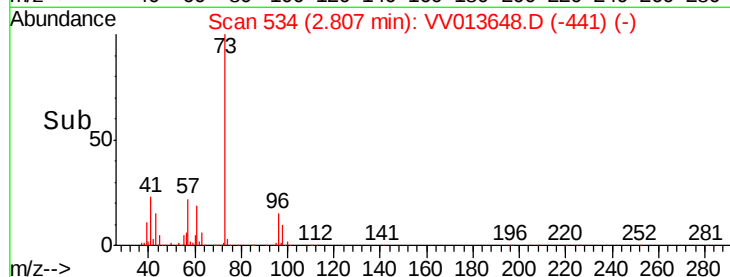
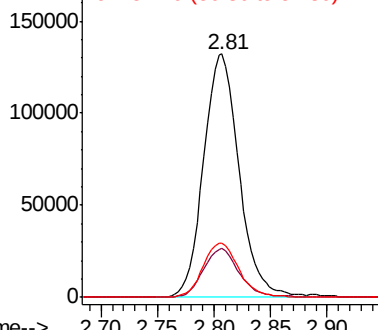
57 22.6 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.087 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

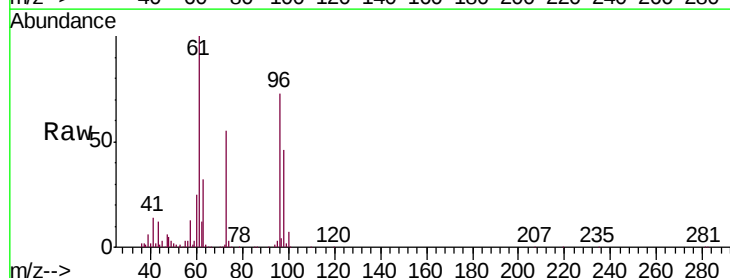
Tgt Ion: 96 Resp: 132227

Ion Ratio Lower Upper

96 100

61 136.3 101.0 187.6

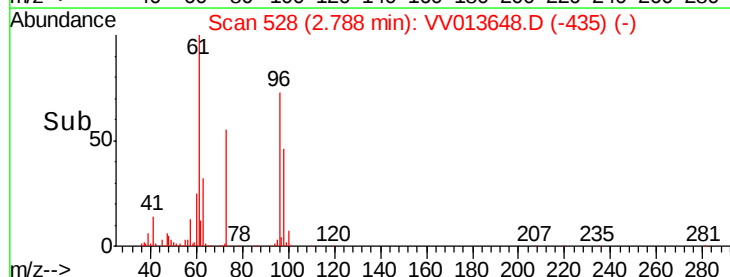
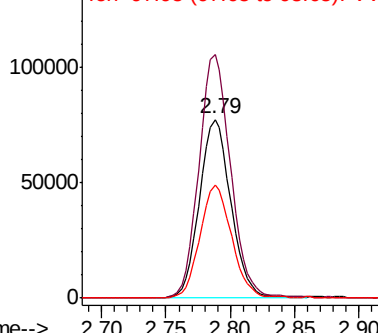
98 63.3 47.0 87.2

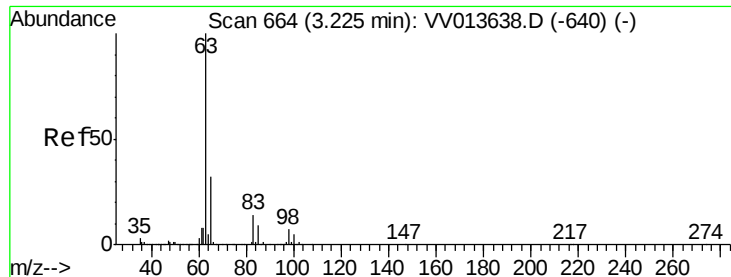


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

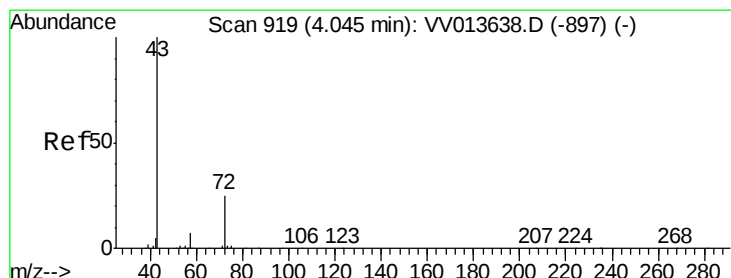
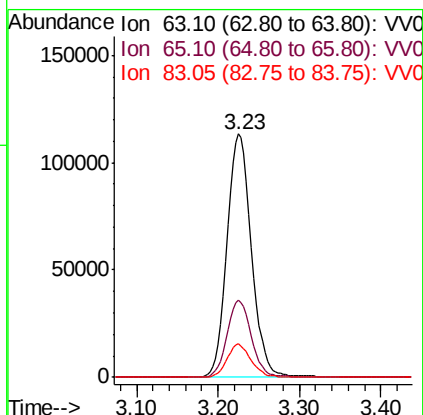
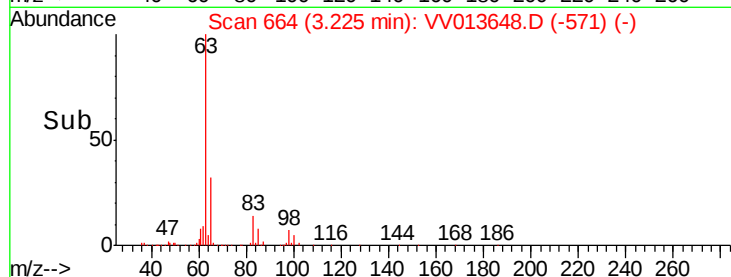
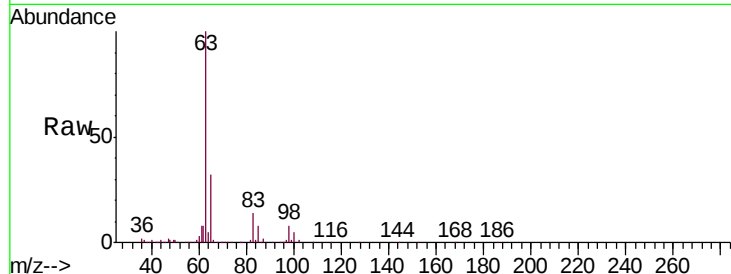




#19
 1,1-Dichloroethane
 Concen: 5.173 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

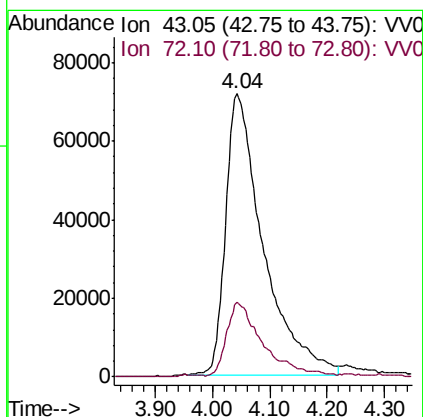
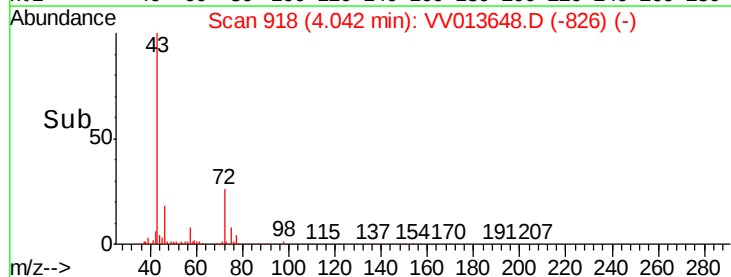
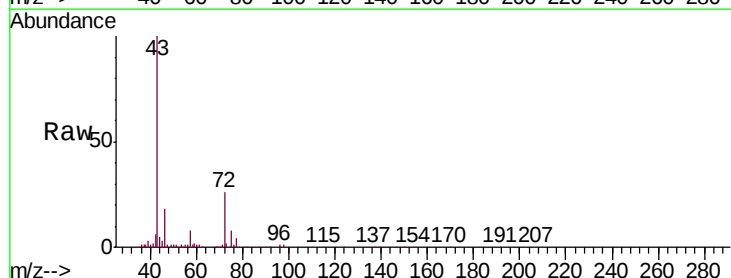
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

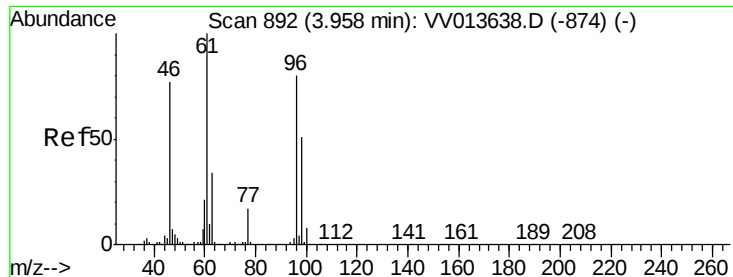
Tgt Ion: 63 Resp: 240146
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 13.6 9.7 17.9



#21
 2-Butanone
 Concen: 61.079 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Tgt Ion: 43 Resp: 325720
 Ion Ratio Lower Upper
 43 100
 72 22.0 11.6 34.8





#22

cis-1,2-Dichloroethene

Concen: 5.061 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

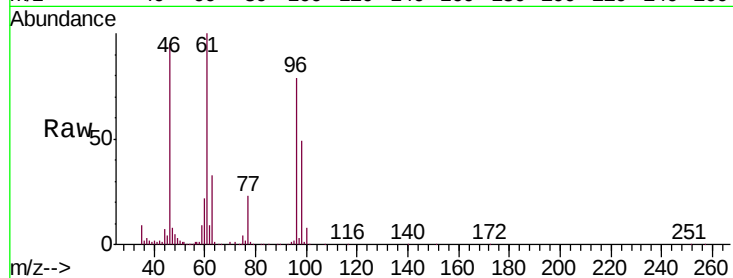
Tgt Ion: 96 Resp: 136550

Ion Ratio Lower Upper

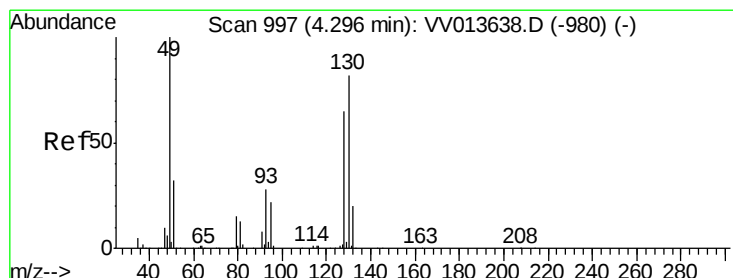
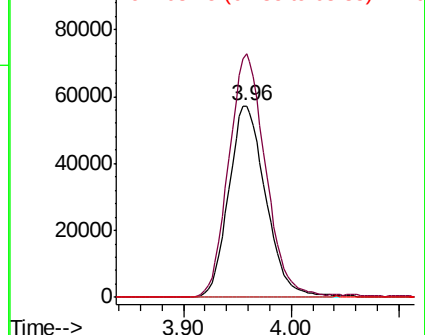
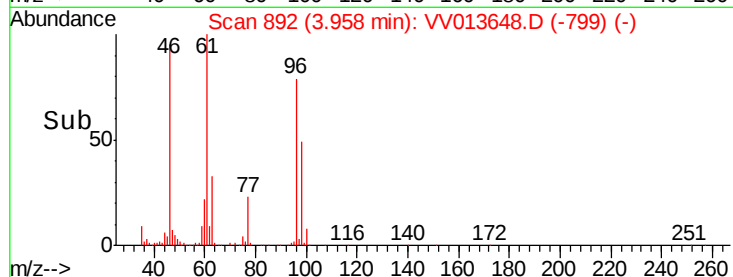
96 100

61 127.2 87.7 162.9

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV013648.D (-799) (-)



#23

Bromochloromethane

Concen: 5.165 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Tgt Ion: 128 Resp: 64237

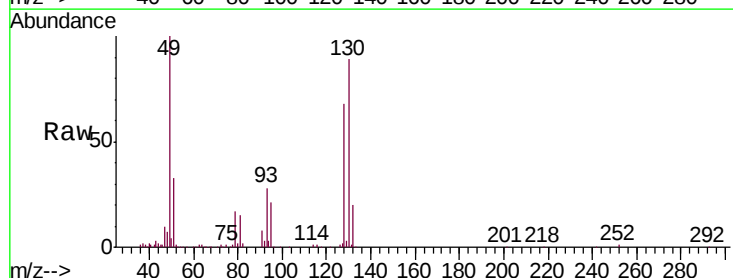
Ion Ratio Lower Upper

128 100

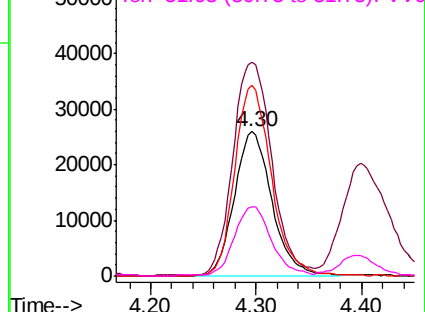
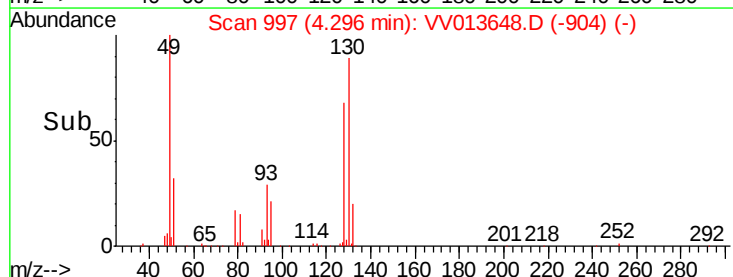
49 147.7 107.2 199.0

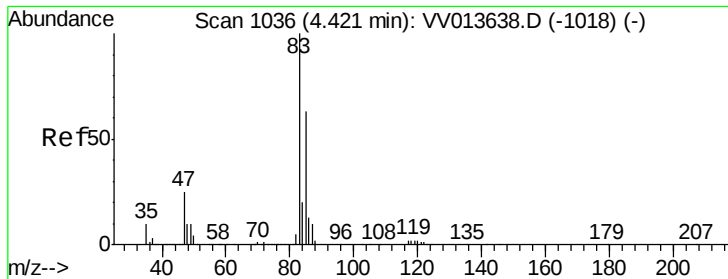
130 131.5 87.9 163.3

51 48.2 39.4 59.0



Abundance Ion 127.90 (127.60 to 128.60): VV013648.D (-904) (-)

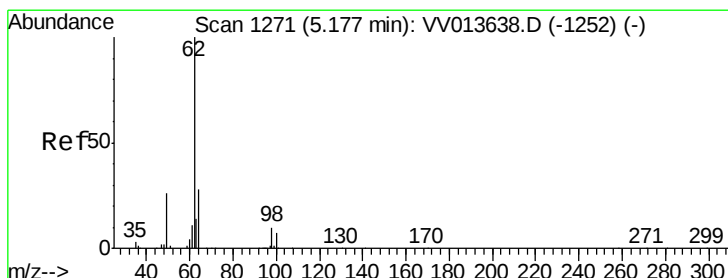
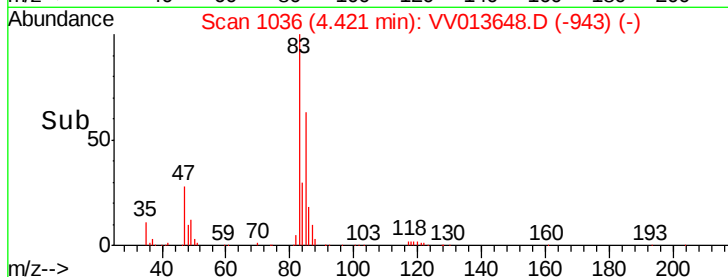
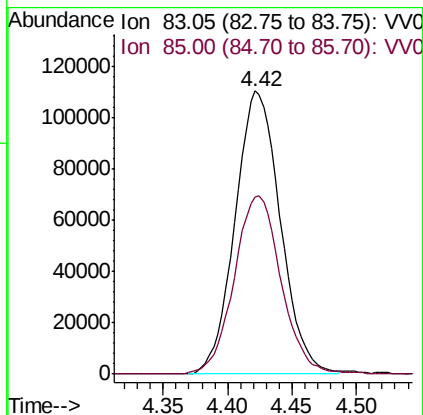
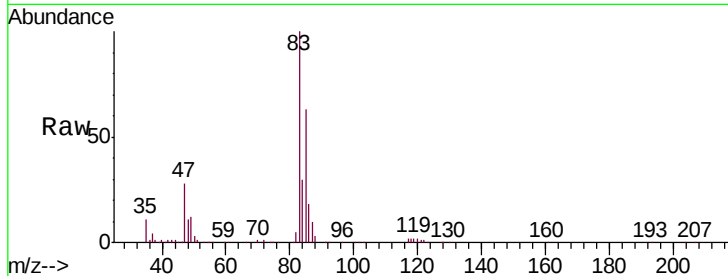




#25
Chloroform
Concen: 4.290 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

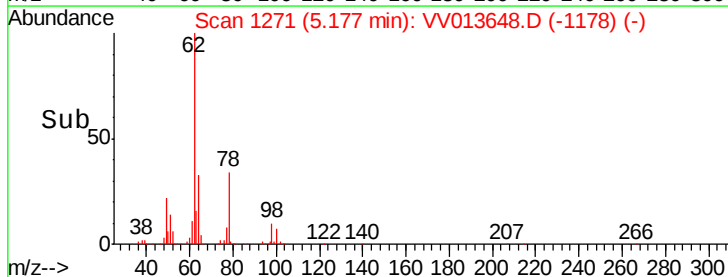
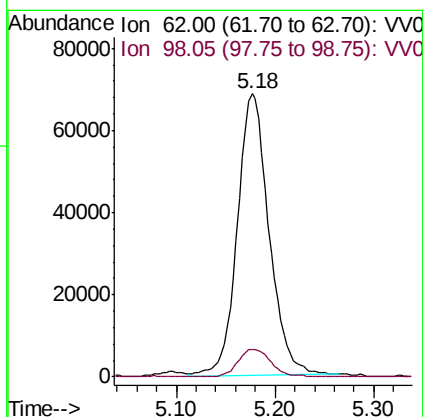
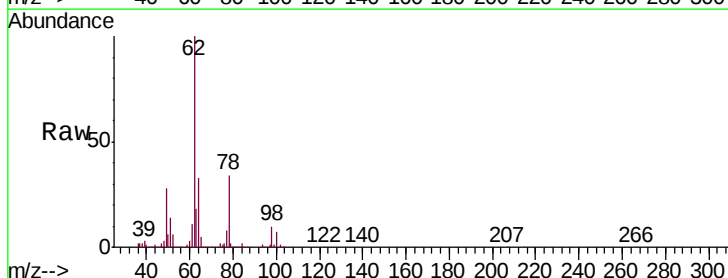
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

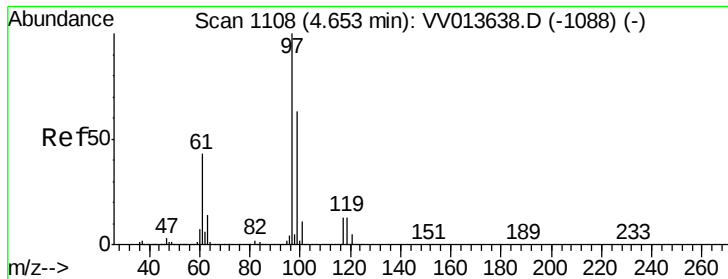
Tgt Ion: 83 Resp: 269717
Ion Ratio Lower Upper
83 100
85 62.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.462 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Tgt Ion: 62 Resp: 152570
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2

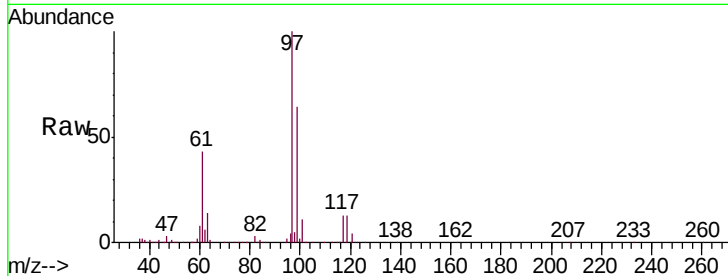




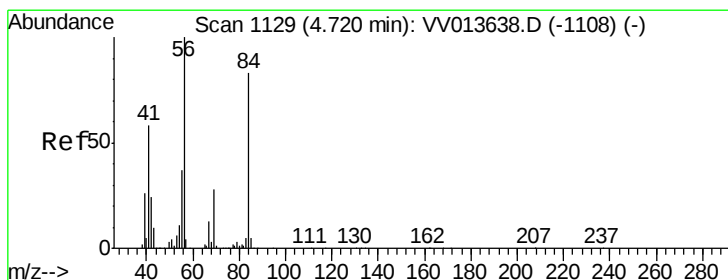
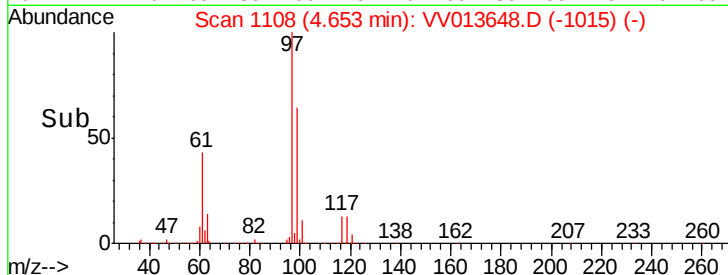
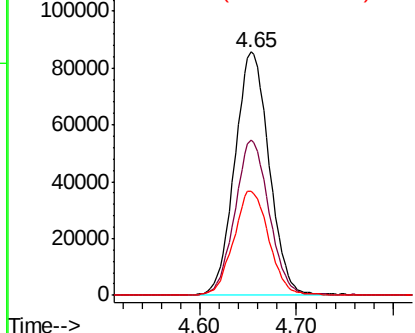
#29
 1,1,1-Trichloroethane
 Concen: 5.199 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

Tgt Ion: 97 Resp: 211902
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.6 79.0
 61 43.5 34.7 52.1

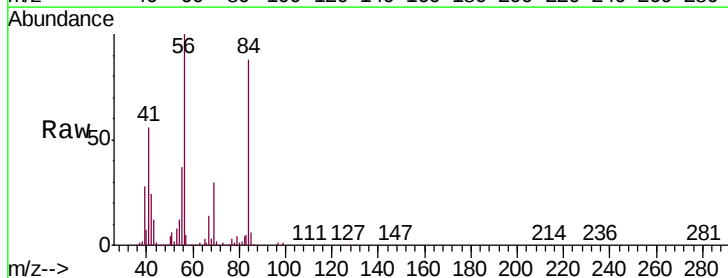


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

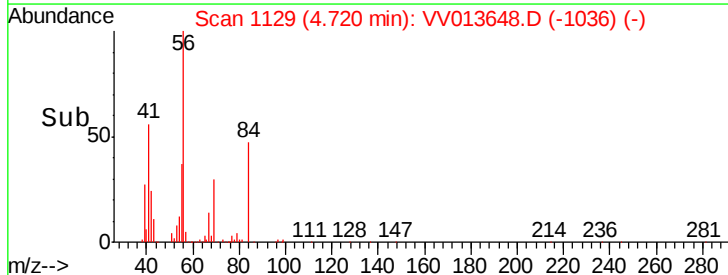
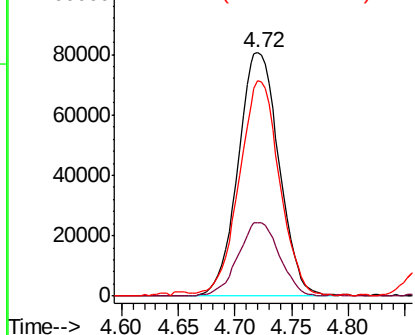


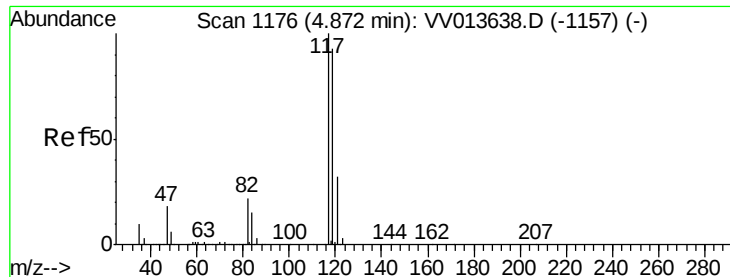
#30
 Cyclohexane
 Concen: 5.008 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Tgt Ion: 56 Resp: 203087
 Ion Ratio Lower Upper
 56 100
 69 30.6 23.8 35.8
 84 86.4 69.1 103.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

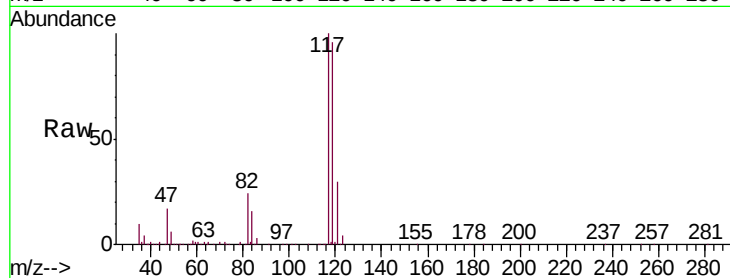




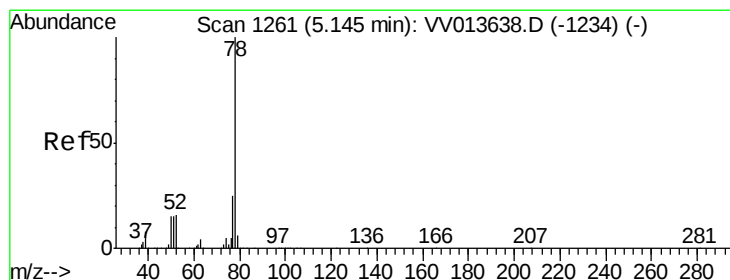
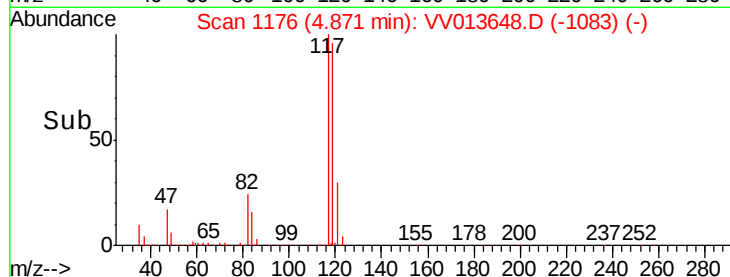
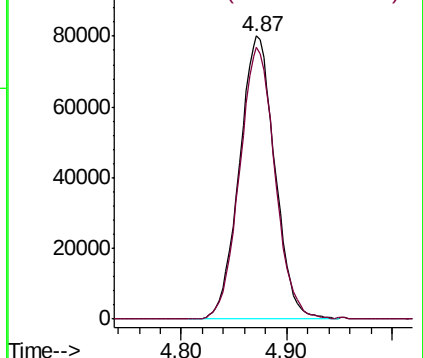
#31
Carbon tetrachloride
Concen: 5.084 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

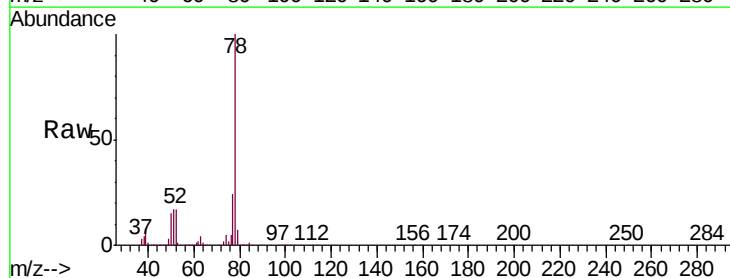
Tgt Ion:117 Resp: 187209
Ion Ratio Lower Upper
117 100
119 95.9 74.8 112.2



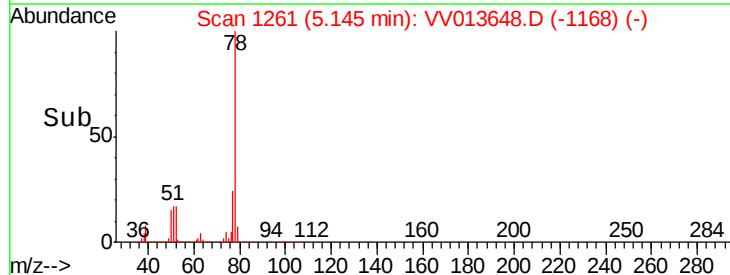
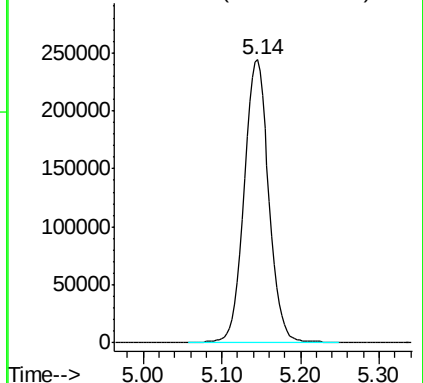
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

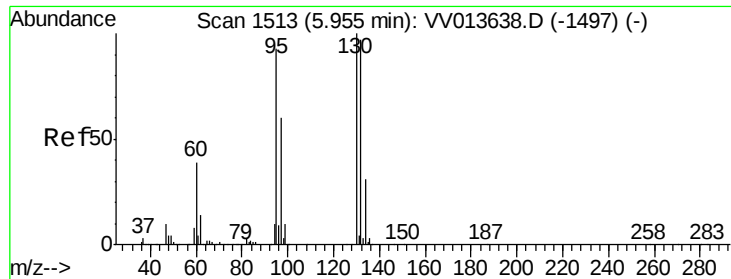


#33
Benzene
Concen: 5.293 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35
Tgt Ion: 78 Resp: 540246



Abundance Ion 78.10 (77.80 to 78.80): VV0

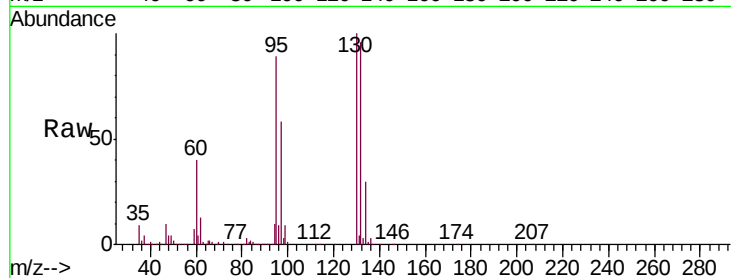




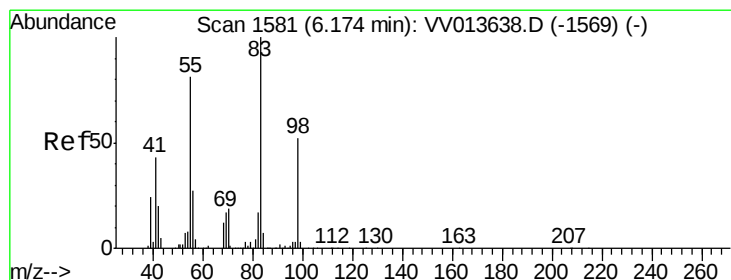
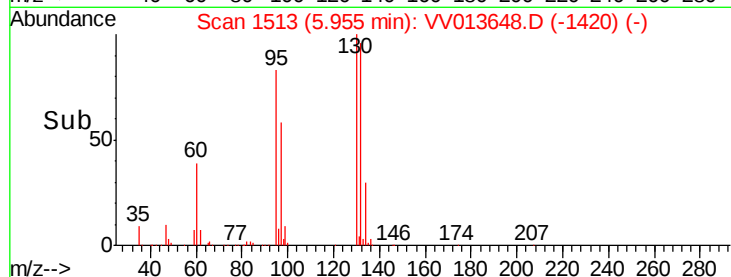
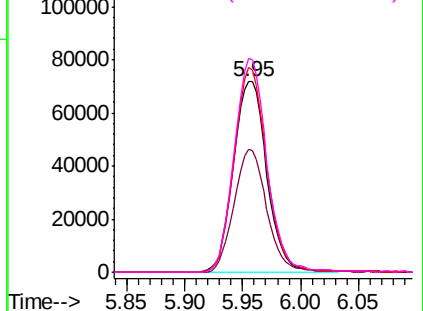
#34
 Trichloroethene
 Concen: 5.226 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

Tgt Ion:	95	Resp:	142764
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.8	83.2
132	107.7	72.9	135.3
130	112.3	75.1	139.5

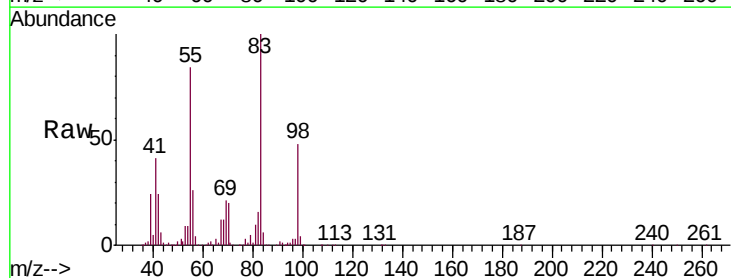


Abundance Ion 95.00 (94.70 to 95.70): VV013648.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV013648.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV013648.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV013648.D (-1420) (-)

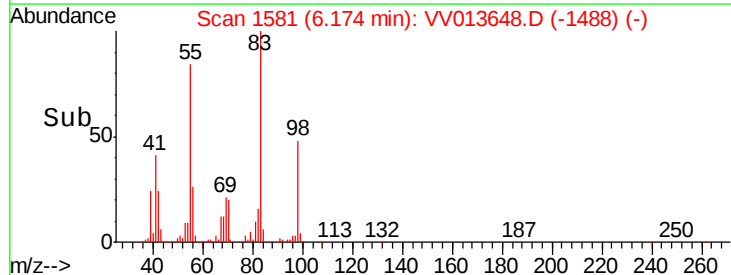
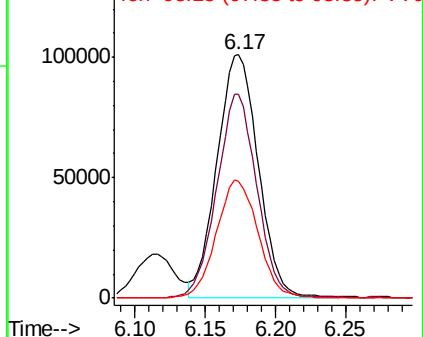


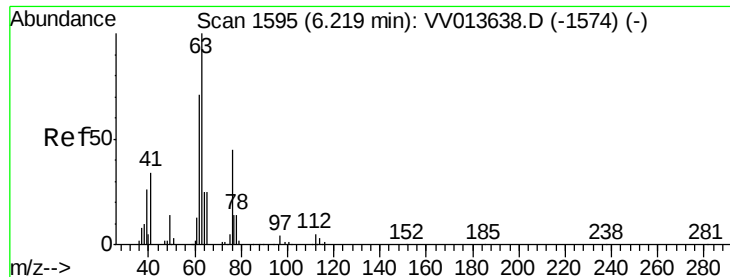
#35
 Methylcyclohexane
 Concen: 4.923 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Tgt Ion:	83	Resp:	205135
Ion	Ratio	Lower	Upper
83	100		
55	81.5	64.1	96.1
98	49.3	38.2	57.2



Abundance Ion 83.15 (82.85 to 83.85): VV013648.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV013648.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV013648.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 5.348 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

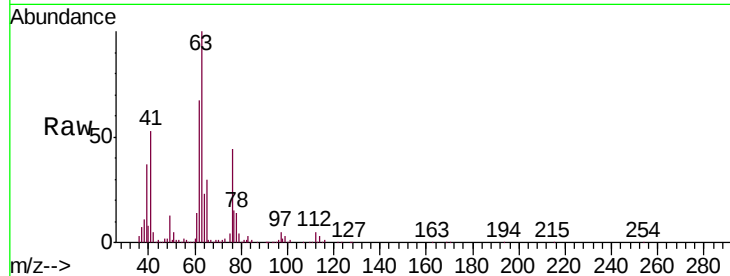
VSTD00560

Tgt Ion: 63 Resp: 130717

Ion Ratio Lower Upper

63 100

112 5.2 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VV013638.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013638.D (-1574) (-)

6.22

80000

60000

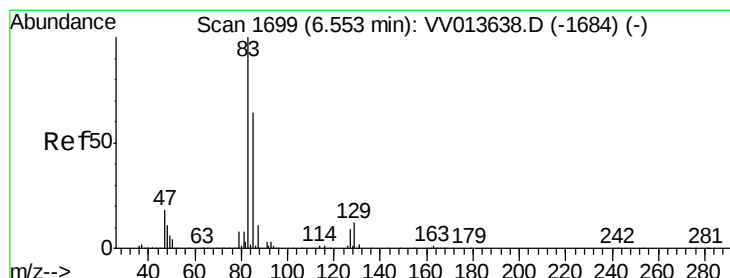
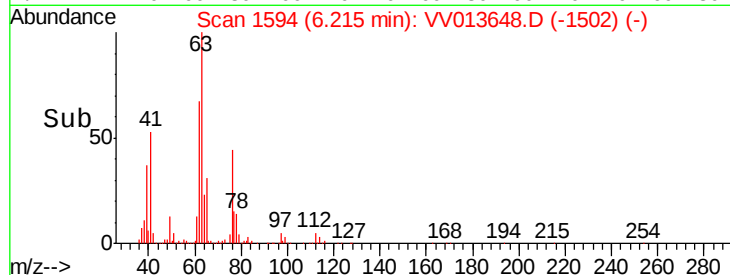
40000

20000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.132 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

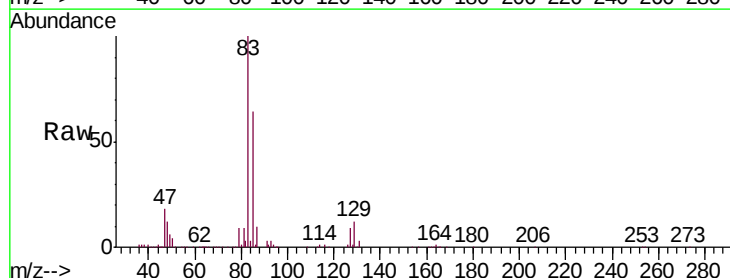
Tgt Ion: 83 Resp: 174908

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

127 8.8 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013638.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV013638.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV013638.D (-1684) (-)

6.55

120000

100000

80000

60000

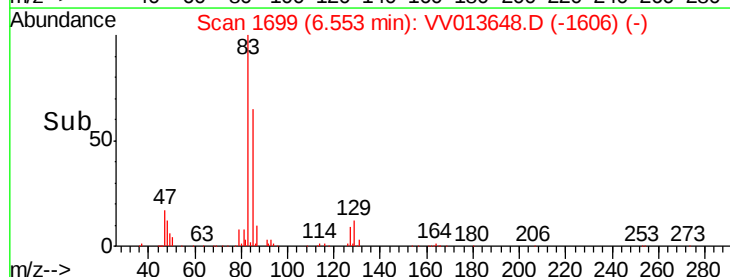
40000

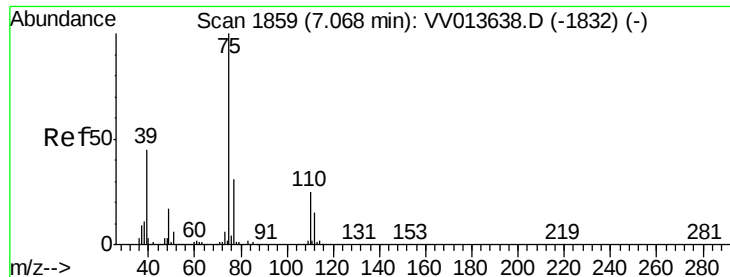
20000

0

6.50 6.55 6.60 6.70

Time-->





#39

cis-1,3-Dichloropropene

Concen: 5.310 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

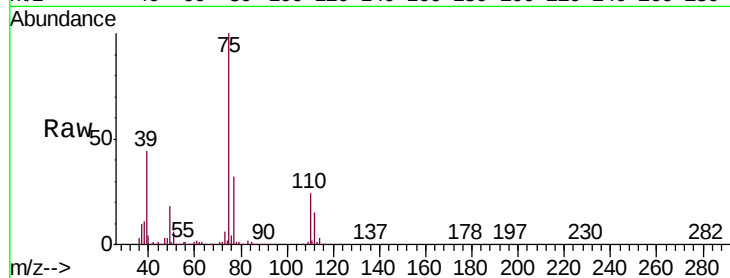
VSTD00560

Tgt Ion: 75 Resp: 186542

Ion Ratio Lower Upper

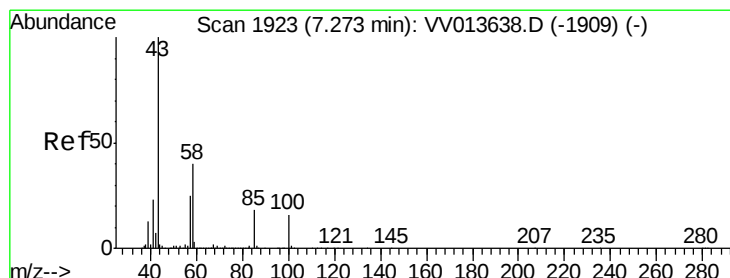
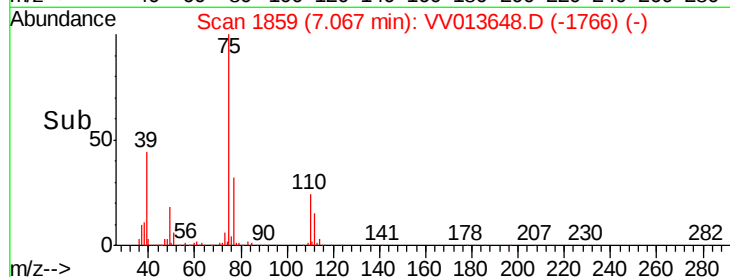
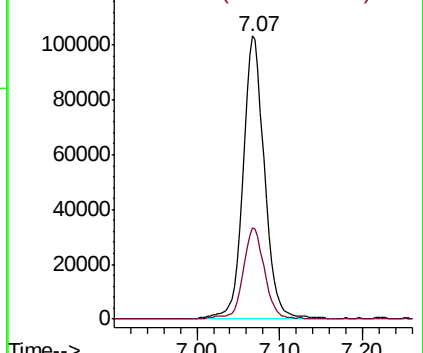
75 100

77 32.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV013648.D (-1832) (-)

Ion 77.05 (76.75 to 77.75): VV013648.D (-1832) (-)



#40

4-Methyl-2-pentanone

Concen: 58.899 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

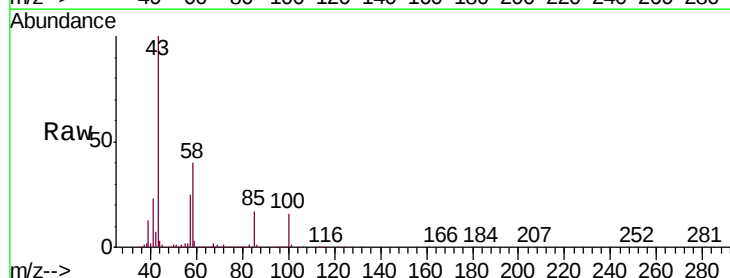
Tgt Ion: 43 Resp: 837485

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3

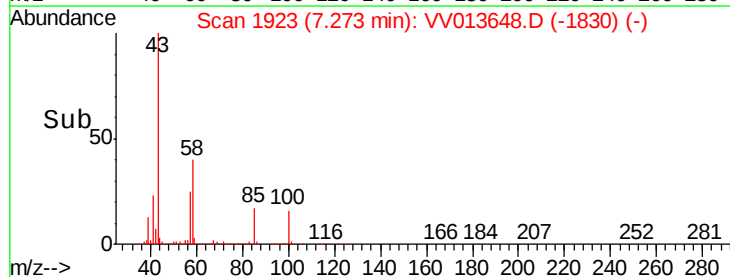
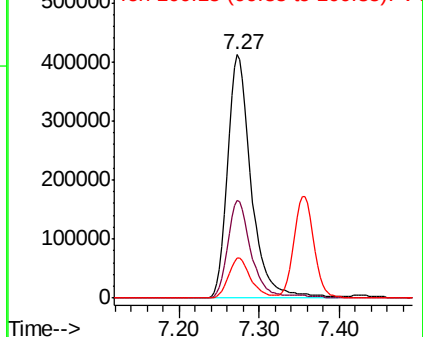
100 15.5 12.2 18.4

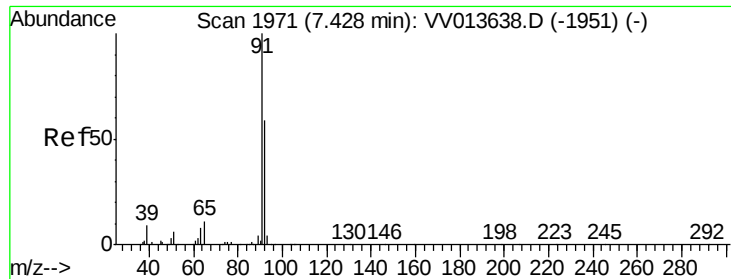


Abundance Ion 43.05 (42.75 to 43.75): VV013648.D (-1830) (-)

Ion 58.05 (57.75 to 58.75): VV013648.D (-1830) (-)

Ion 100.15 (99.85 to 100.85): VV013648.D (-1830) (-)





#42

Toluene

Concen: 5.327 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

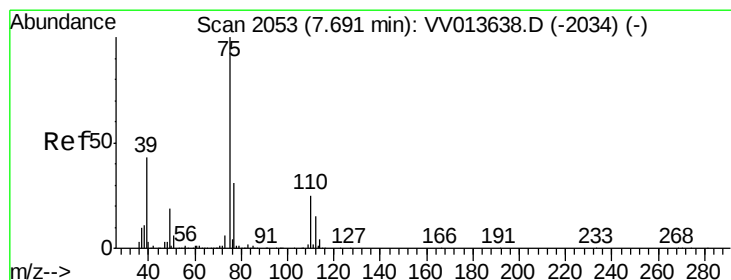
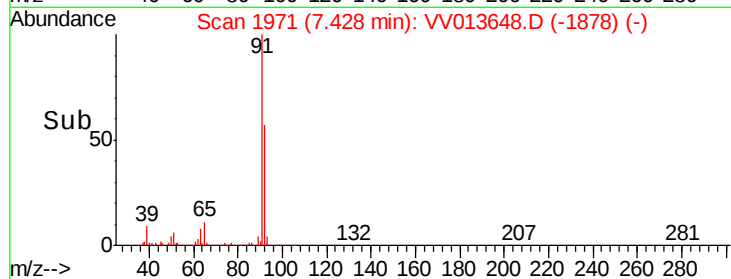
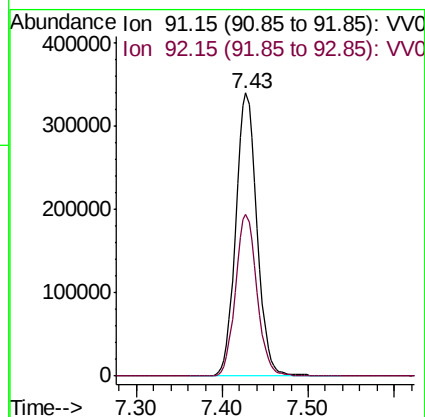
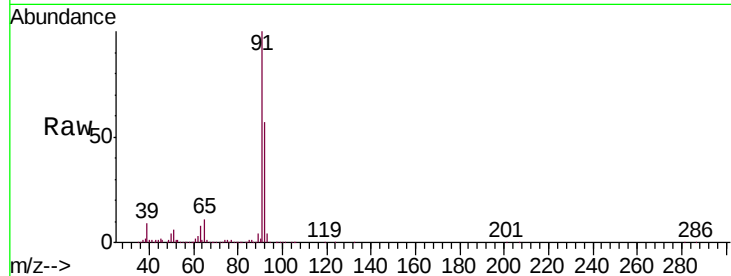
VSTD00560

Tgt Ion: 91 Resp: 580846

Ion Ratio Lower Upper

91 100

92 57.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.378 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013648.D

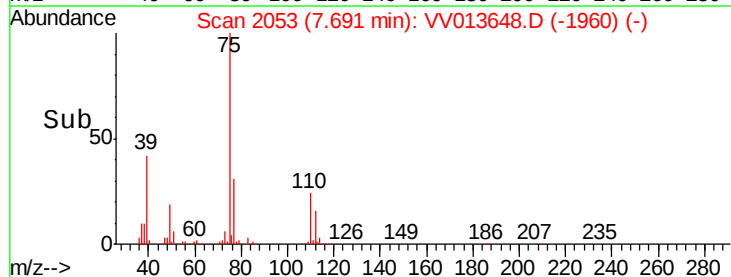
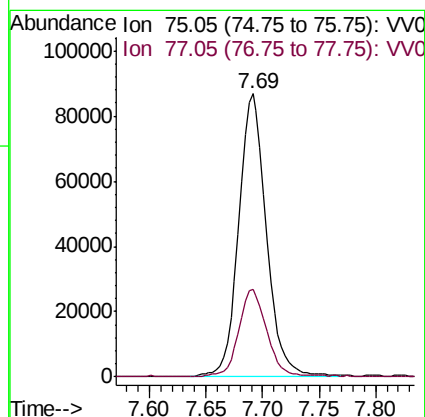
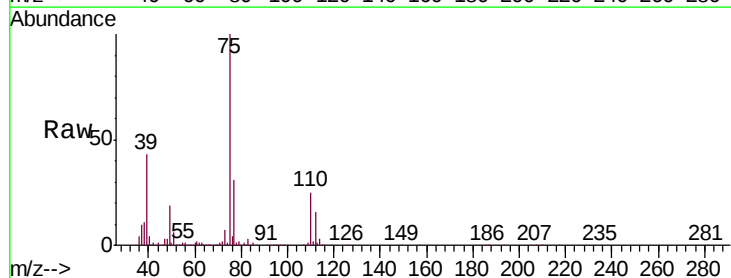
Acq: 15 Nov 2019 19:35

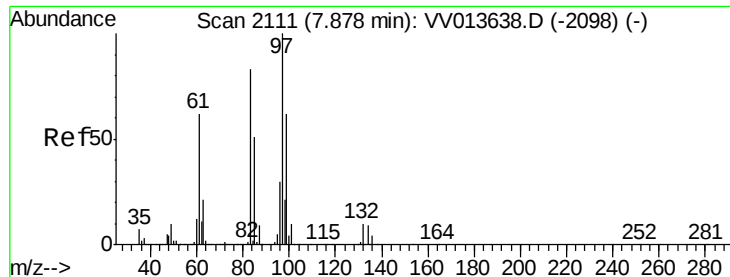
Tgt Ion: 75 Resp: 148889

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.2

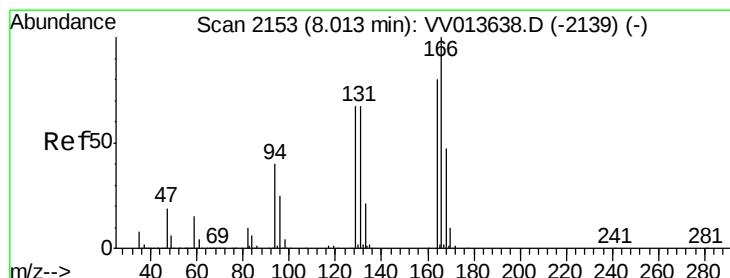
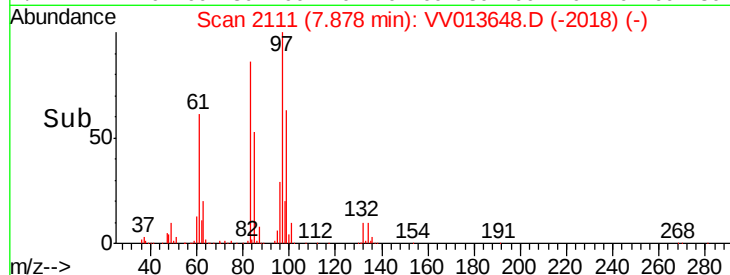
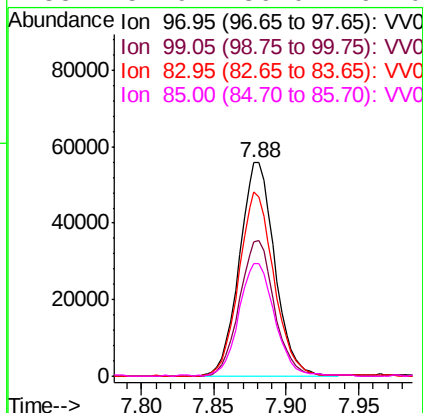
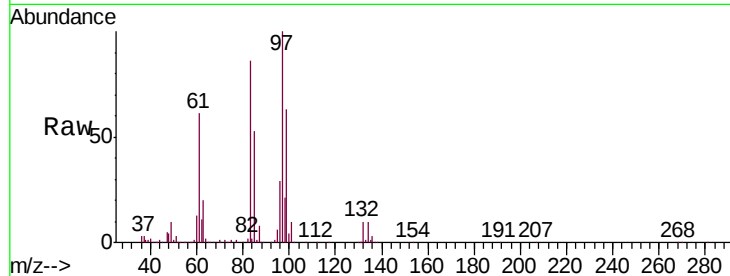




#45
 1,1,2-Trichloroethane
 Concen: 5.379 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

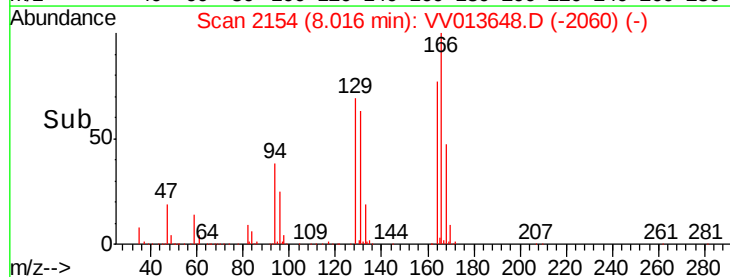
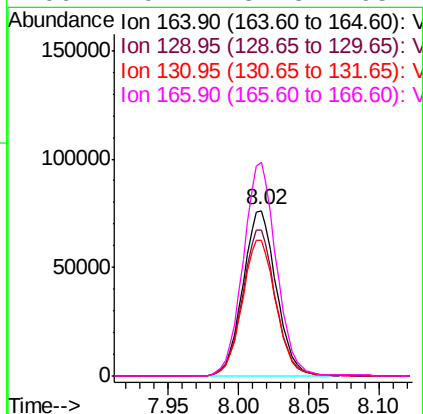
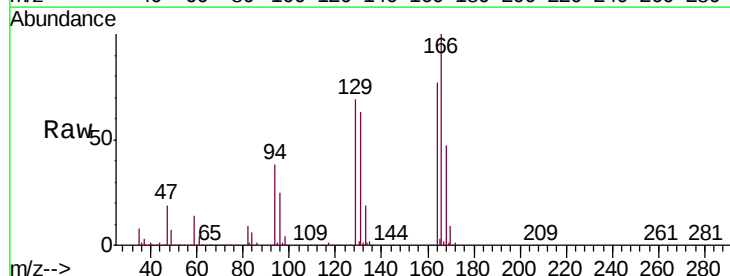
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

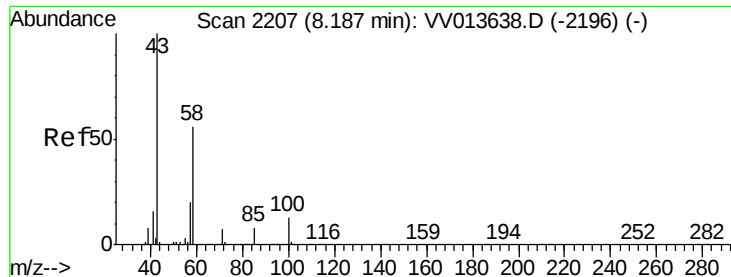
Tgt Ion:	97	Resp:	94803
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.3
83	86.5	58.0	107.8
85	52.9	36.0	67.0



#47
 Tetrachloroethene
 Concen: 4.992 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Tgt Ion:	164	Resp:	126374
Ion	Ratio	Lower	Upper
164	100		
129	88.6	59.1	109.9
131	81.8	58.9	109.5
166	129.2	87.8	163.2

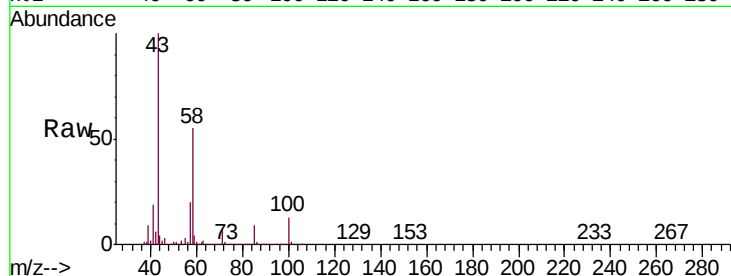




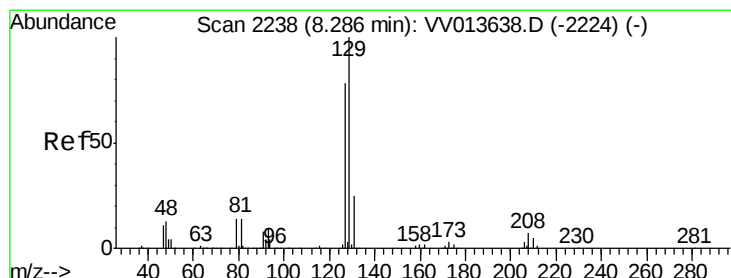
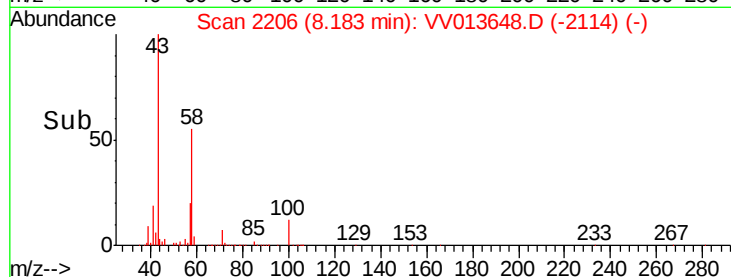
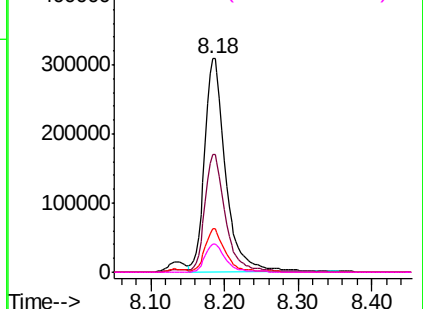
#48
2-Hexanone
Concen: 61.094 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Instrument :
MSVOA_V
ClientSampled :
VSTD00560

Tgt Ion: 43 Resp: 616114
Ion Ratio Lower Upper
43 100
58 53.7 43.0 64.6
57 19.6 15.4 23.2
100 12.9 10.1 15.1

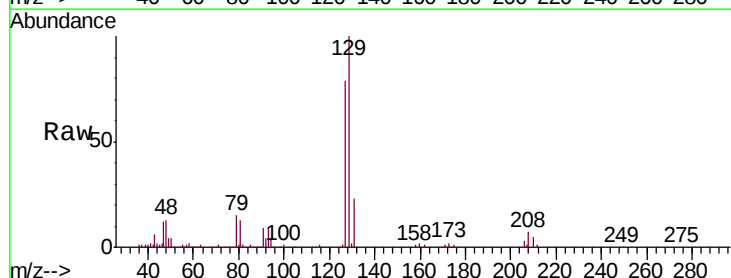


Abundance Ion 43.05 (42.75 to 43.75): VV013638.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV013638.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV013638.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV013638.D (-2196) (-)

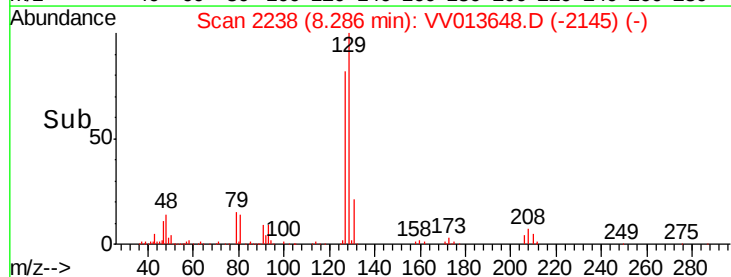
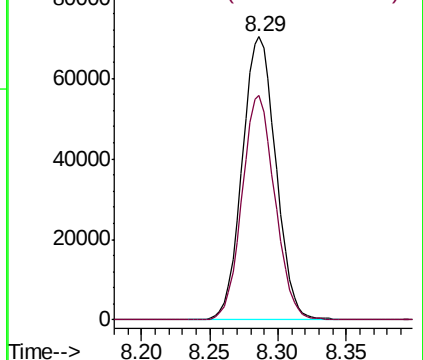


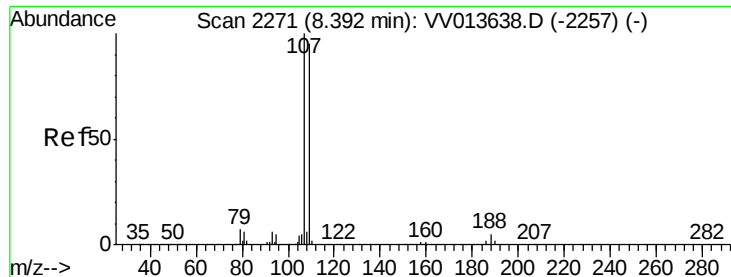
#49
Dibromochloromethane
Concen: 5.386 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Tgt Ion: 129 Resp: 120519
Ion Ratio Lower Upper
129 100
127 79.2 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013638.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV013638.D (-2224) (-)

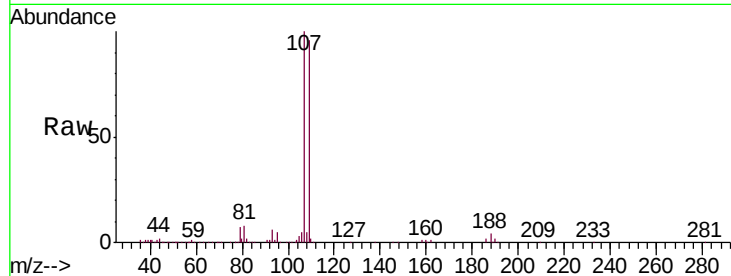




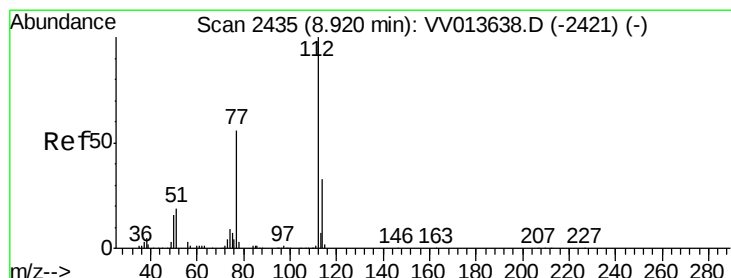
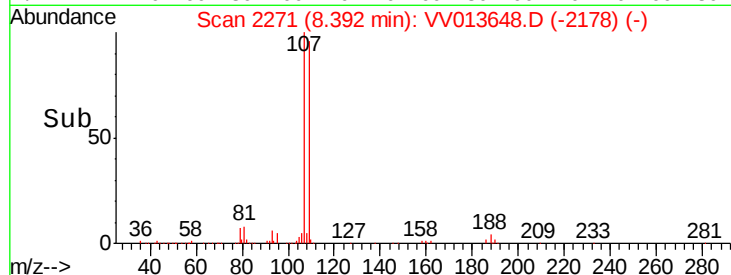
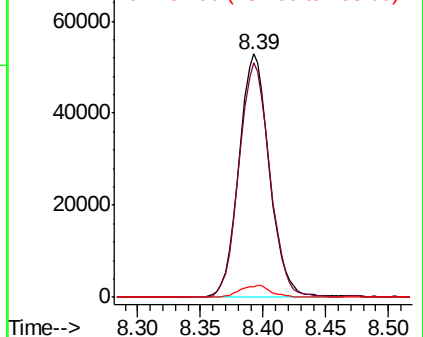
#50
1,2-Dibromoethane
Concen: 5.289 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	66.5	123.5
188	4.4	3.6	5.4

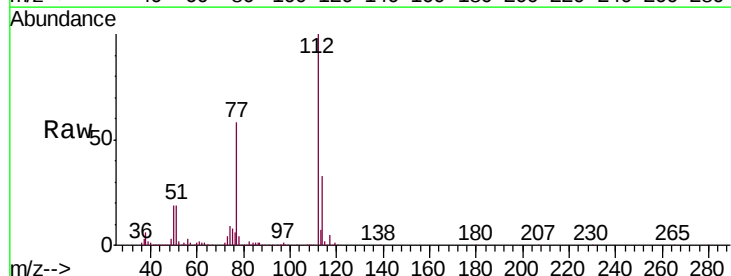


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

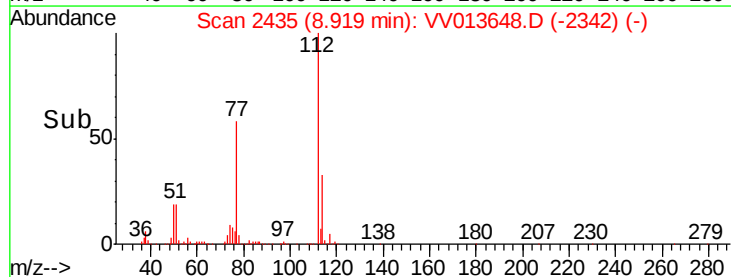
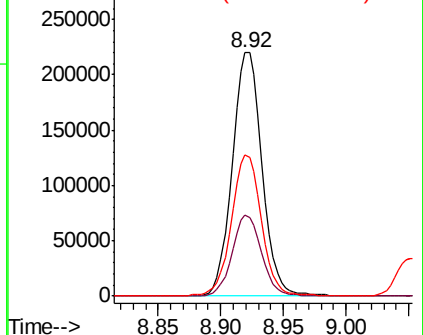


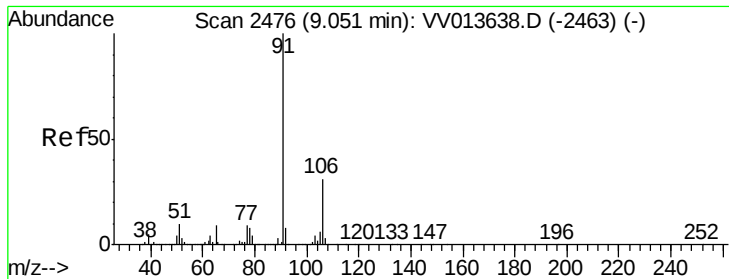
#51
Chlorobenzene
Concen: 5.019 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.8	42.4
77	58.2	45.0	67.4



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: 5.124 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

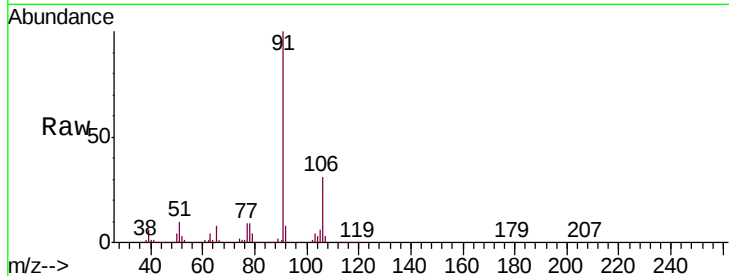
VSTD00560

Tgt Ion: 91 Resp: 595594

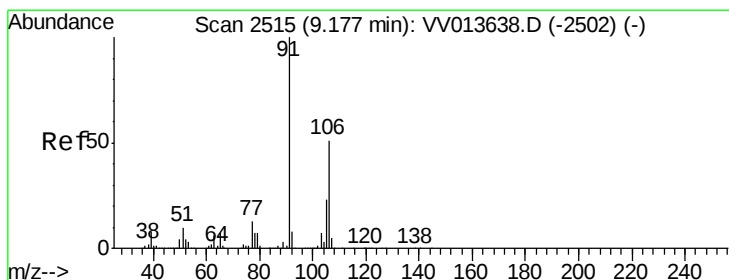
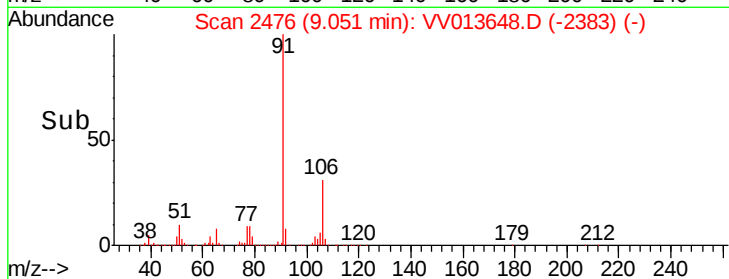
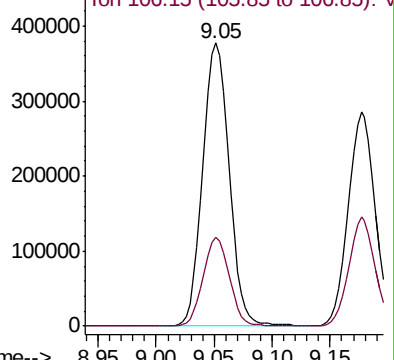
Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013638.D (-2463) (-)



#53

m,p-xylene

Concen: 5.298 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013648.D

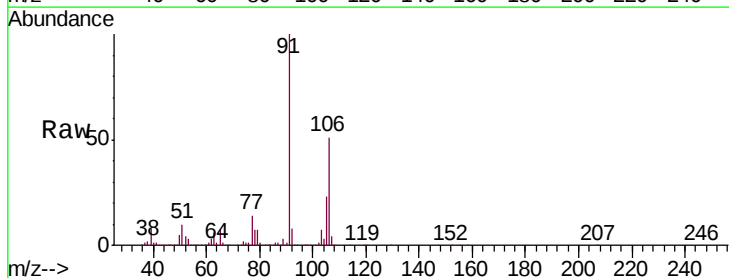
Acq: 15 Nov 2019 19:35

Tgt Ion: 106 Resp: 232247

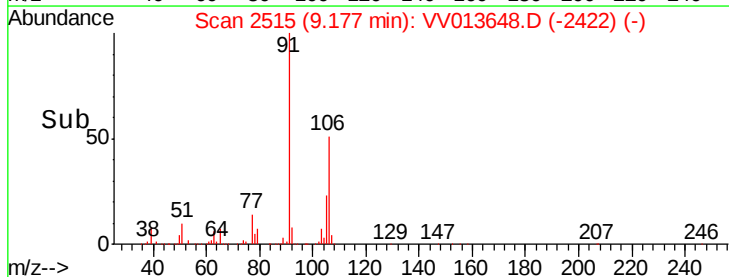
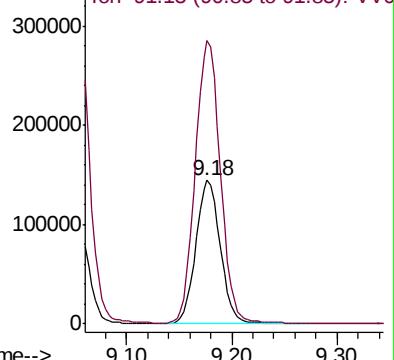
Ion Ratio Lower Upper

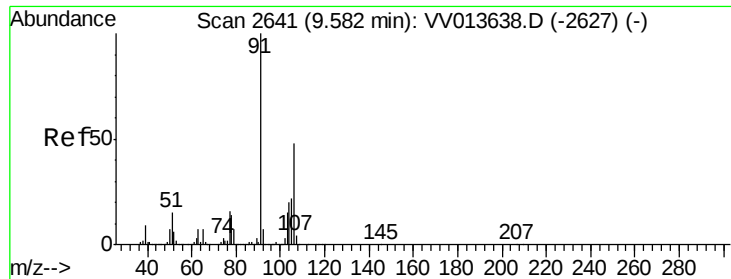
106 100

91 196.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013638.D (-2502) (-)





#54

o-xylene

Concen: 5.203 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

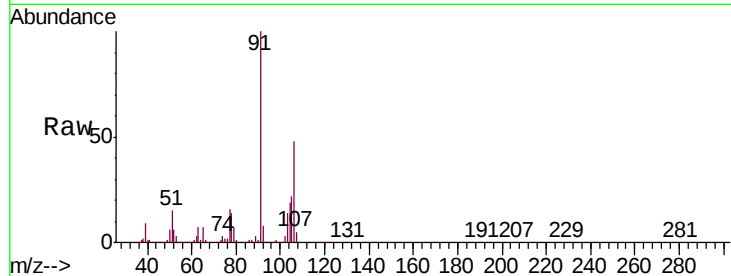
VSTD00560

Tgt Ion:106 Resp: 219374

Ion Ratio Lower Upper

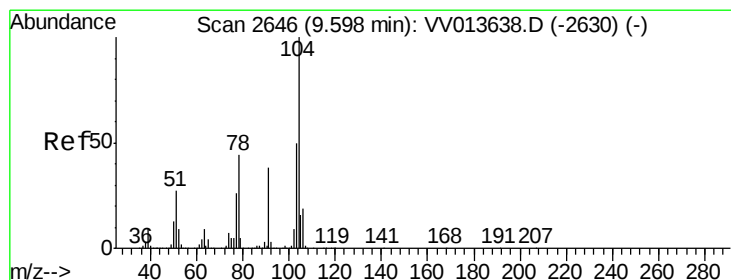
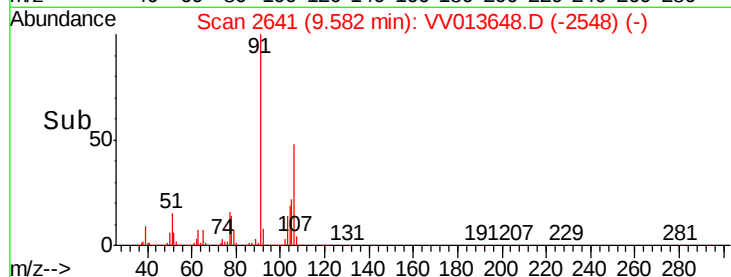
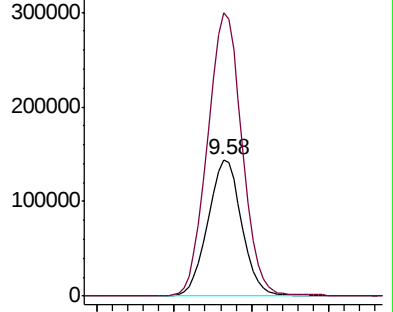
106 100

91 207.3 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.411 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013648.D

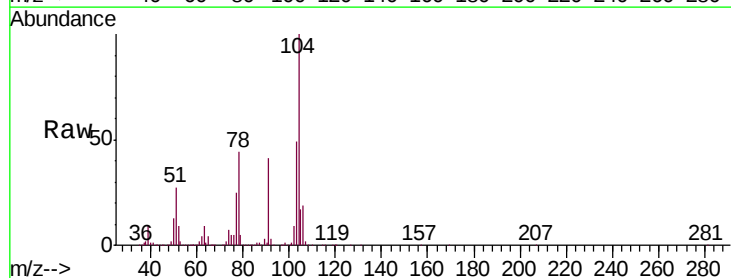
Acq: 15 Nov 2019 19:35

Tgt Ion:104 Resp: 385868

Ion Ratio Lower Upper

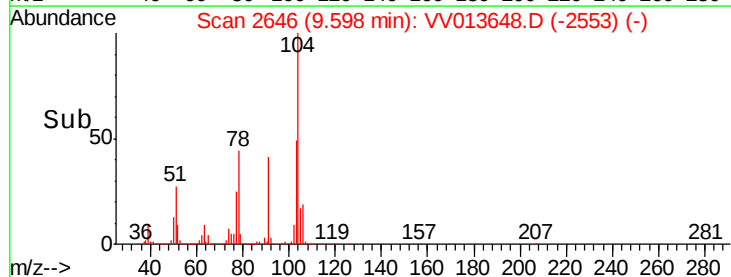
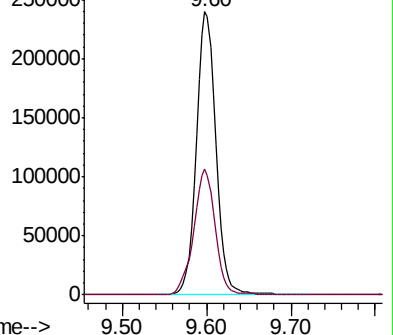
104 100

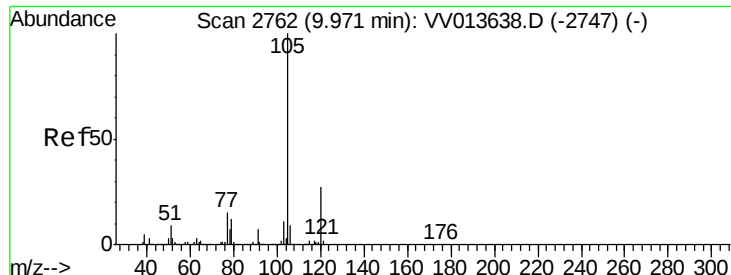
78 44.3 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

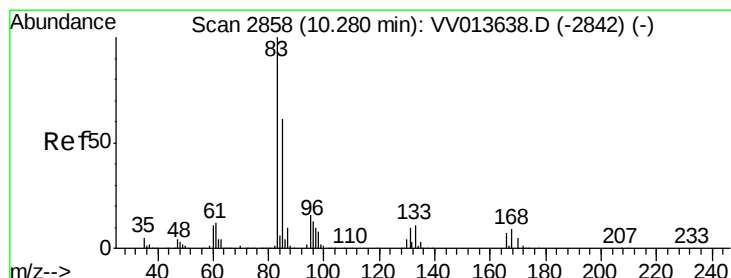
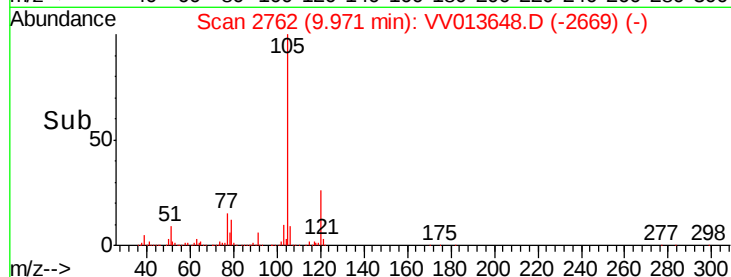
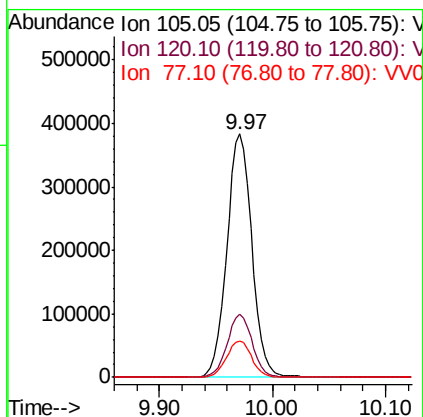
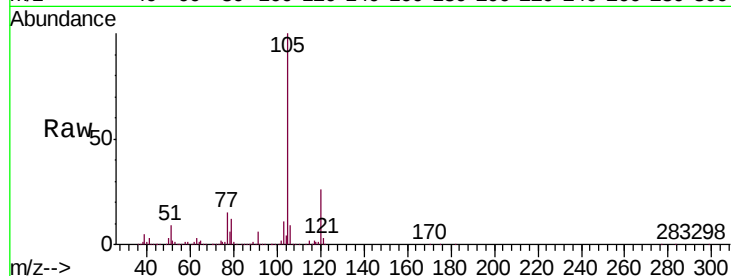




#56
Isopropylbenzene
Concen: 5.243 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

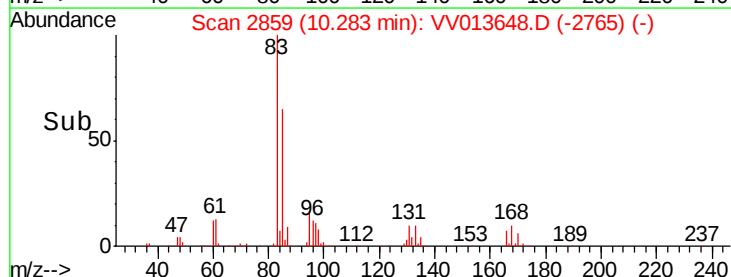
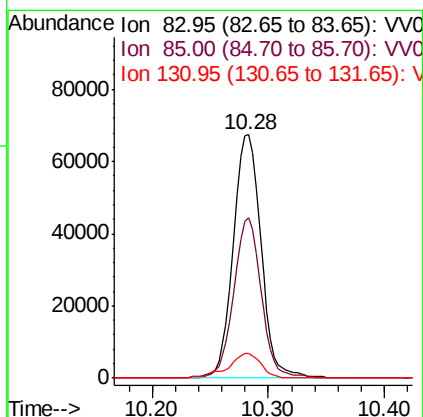
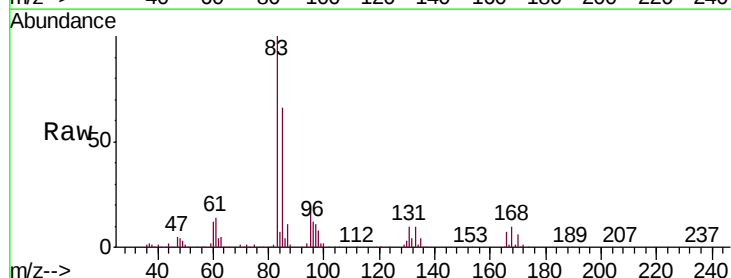
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

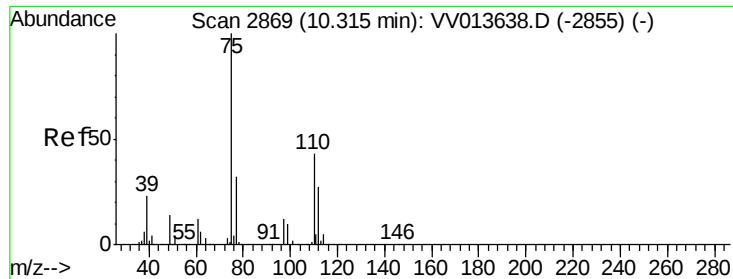
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.2	31.8
77	15.2	11.9	17.9



#58
1,1,2,2-Tetrachloroethane
Concen: 5.705 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VV013648.D
Acq: 15 Nov 2019 19:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	43.0	80.0
131	10.0	8.3	12.5





#59

1,2,3-Trichloropropane

Concen: 5.339 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

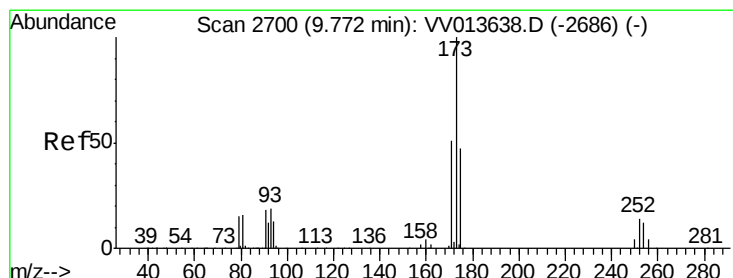
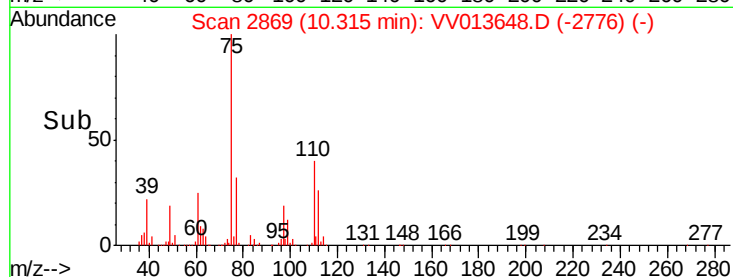
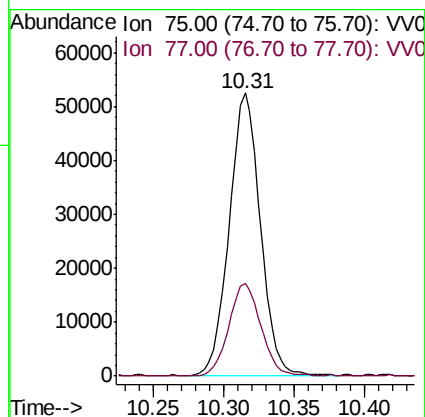
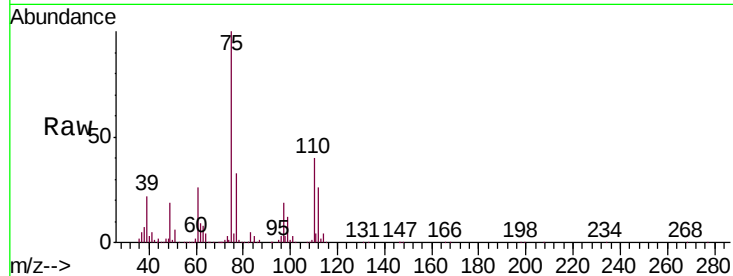
VSTD00560

Tgt Ion: 75 Resp: 80649

Ion Ratio Lower Upper

75 100

77 33.5 25.6 38.4



#61

Bromoform

Concen: 5.373 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

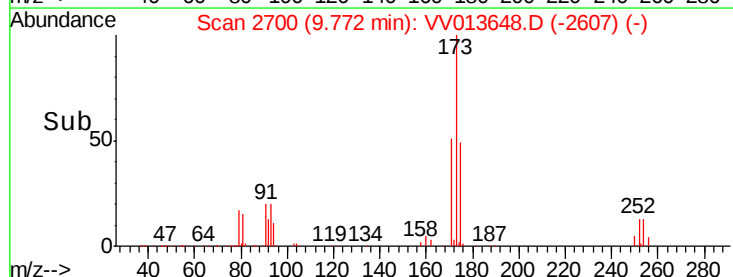
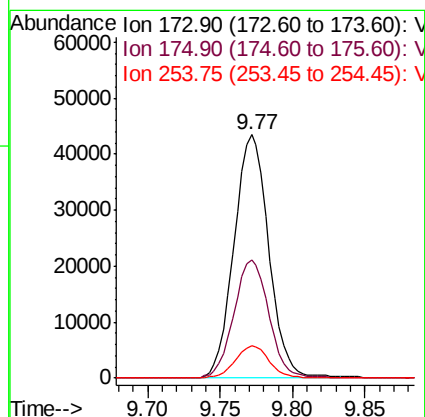
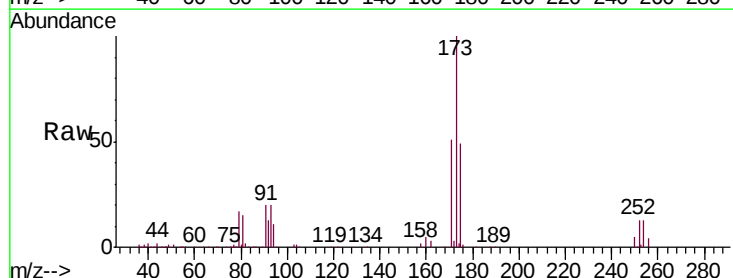
Tgt Ion: 173 Resp: 72249

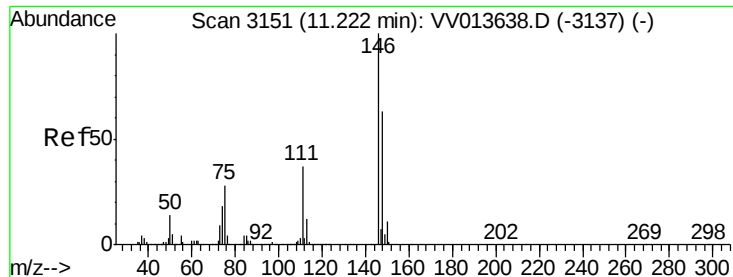
Ion Ratio Lower Upper

173 100

175 49.1 38.2 57.2

254 13.0 10.4 15.6

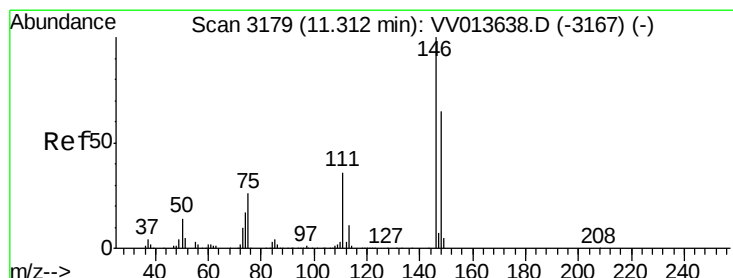
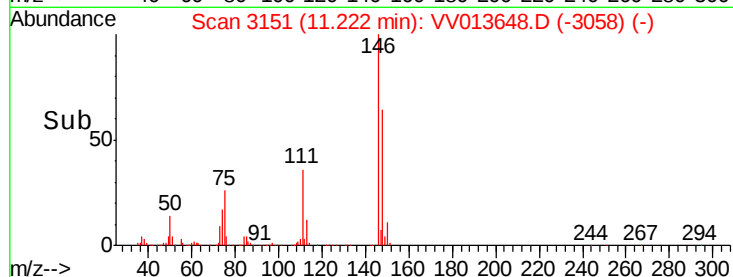
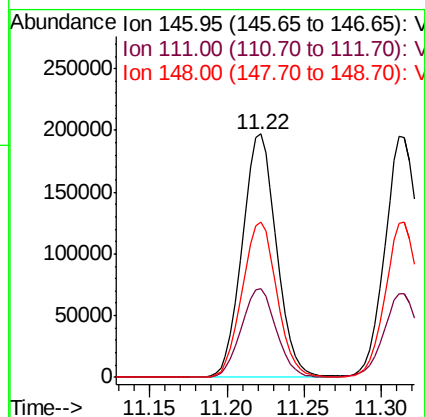
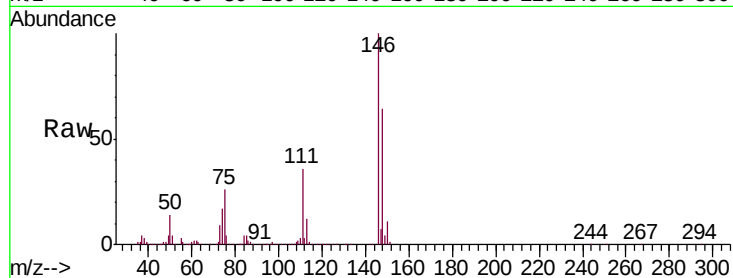




#62
 1,3-Dichlorobenzene
 Concen: 5.046 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

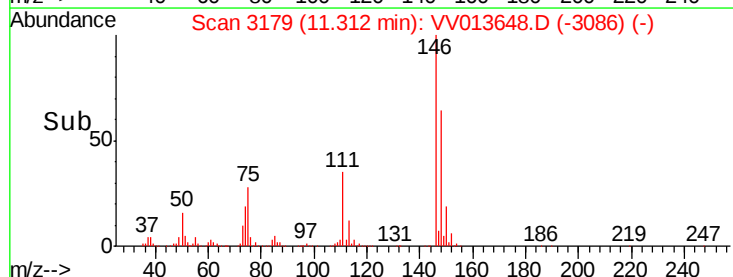
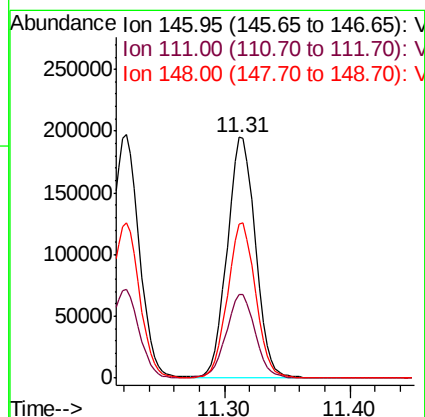
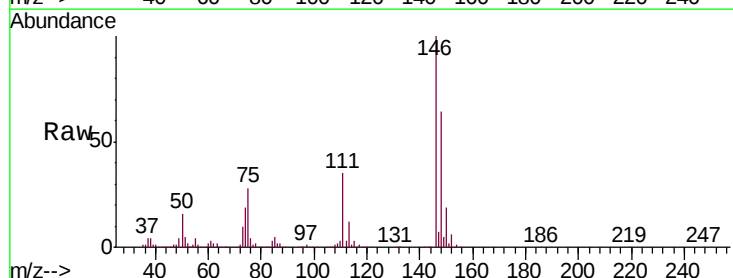
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

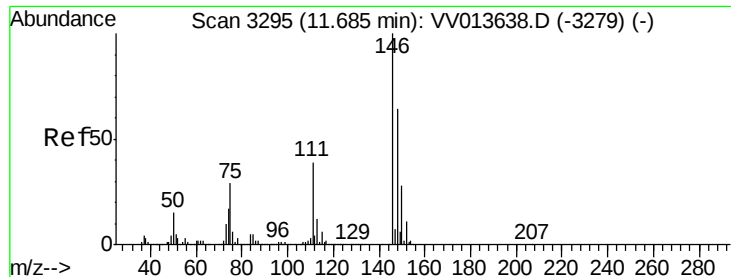
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	26.2	48.6
148	63.8	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.967 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	25.6	47.6
148	64.1	45.6	84.8





#65

1,2-Dichlorobenzene

Concen: 5.064 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

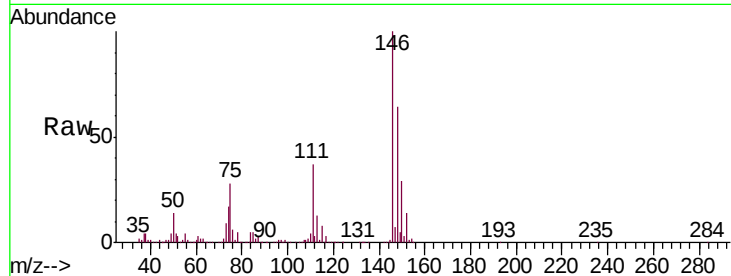
Tgt Ion: 146 Resp: 283955

Ion Ratio Lower Upper

146 100

111 37.4 31.3 46.9

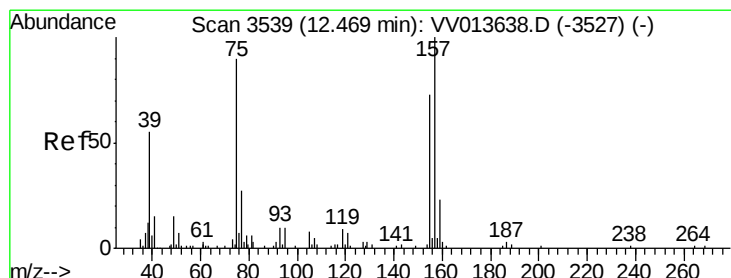
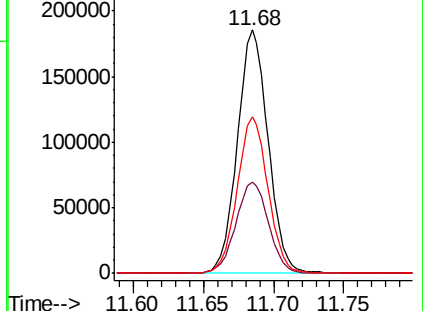
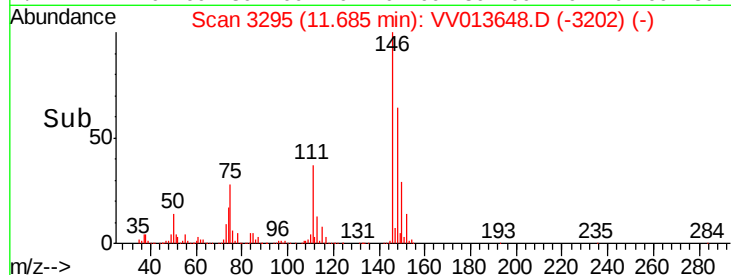
148 64.4 51.1 76.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.230 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

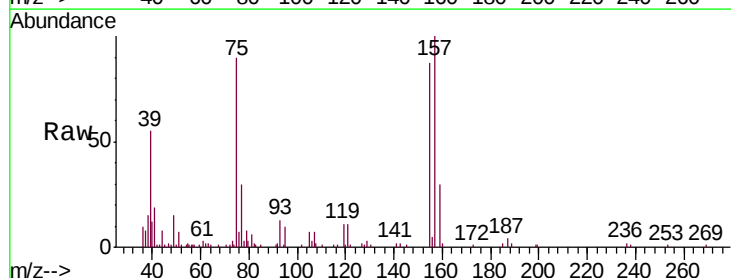
Tgt Ion: 75 Resp: 17508

Ion Ratio Lower Upper

75 100

155 95.9 64.8 97.2

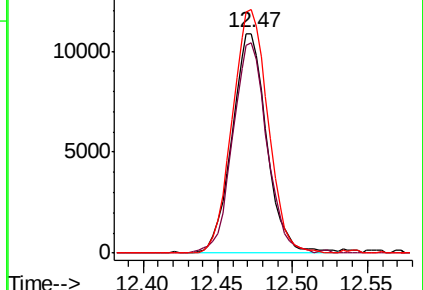
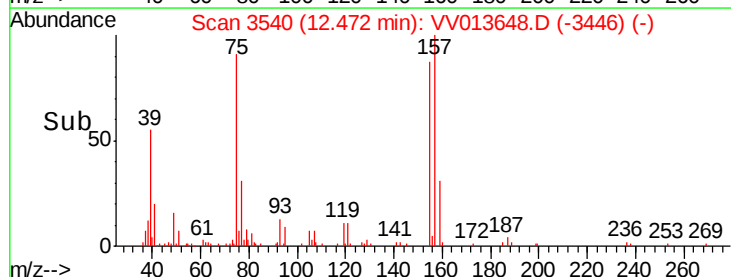
157 110.9 89.1 133.7

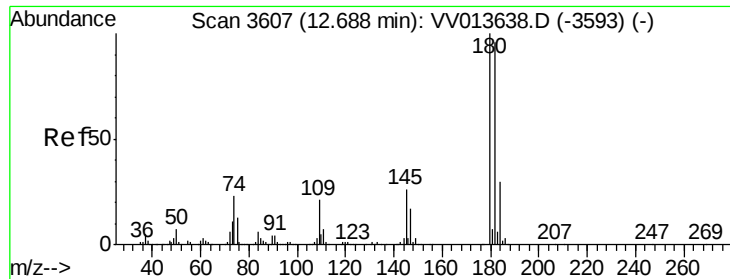


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

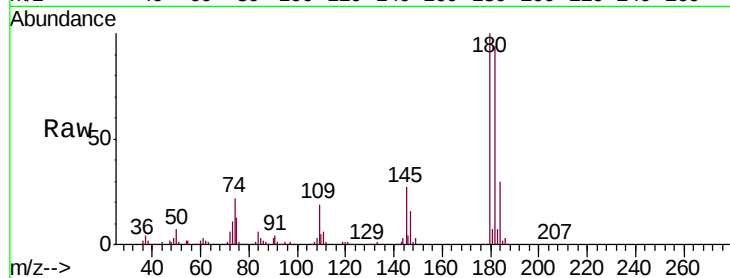




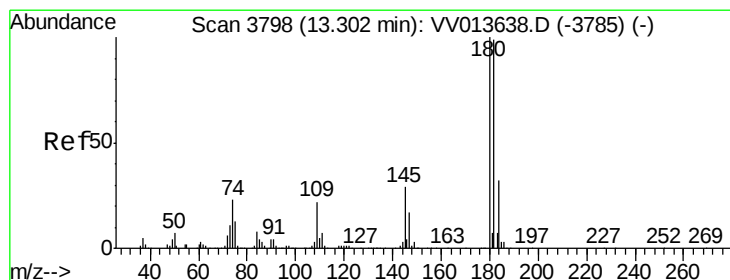
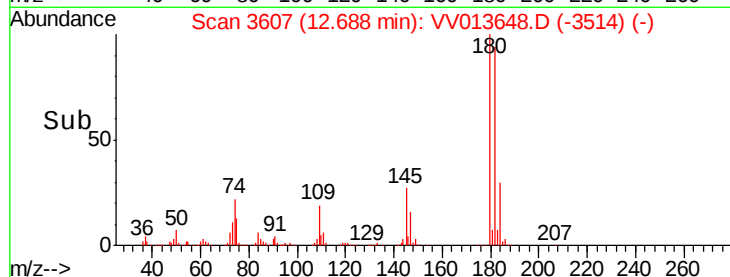
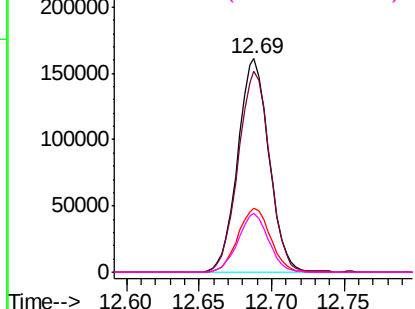
#67
 1,3,5-Trichlorobenzene
 Concen: 4.826 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

Tgt Ion:	180	Resp:	241117
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
184	31.4	24.4	36.6
145	26.9	21.5	32.3

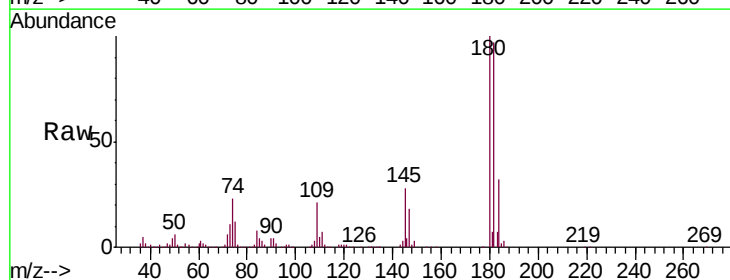


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

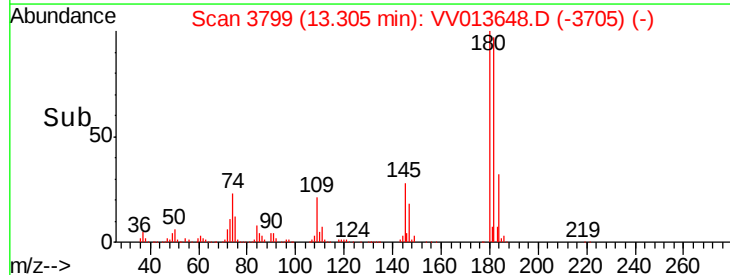
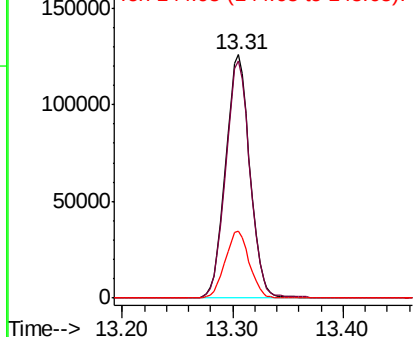


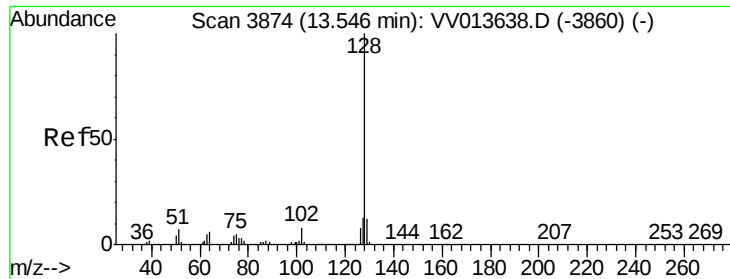
#68
 1,2,4-trichlorobenzene
 Concen: 4.681 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013648.D
 Acq: 15 Nov 2019 19:35

Tgt Ion:	180	Resp:	192147
Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.2	115.8
145	27.5	22.6	33.8



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: 4.726 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

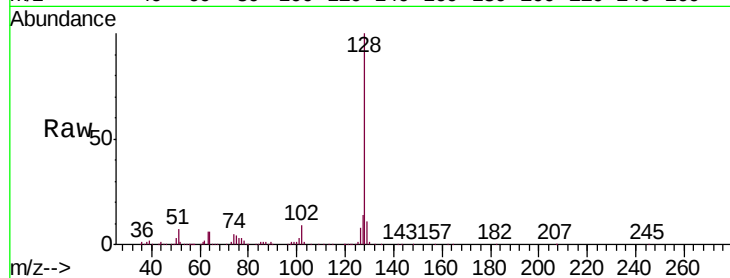
Tgt Ion:128 Resp: 264920

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

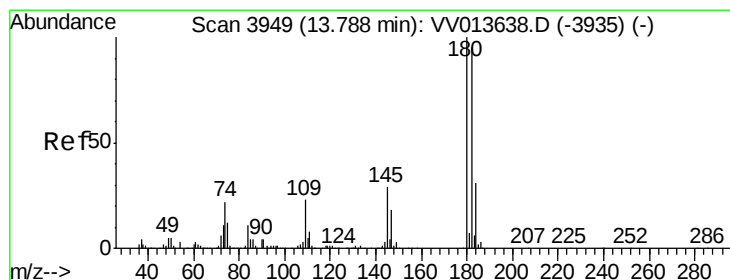
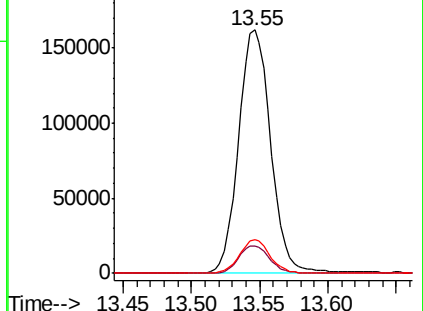
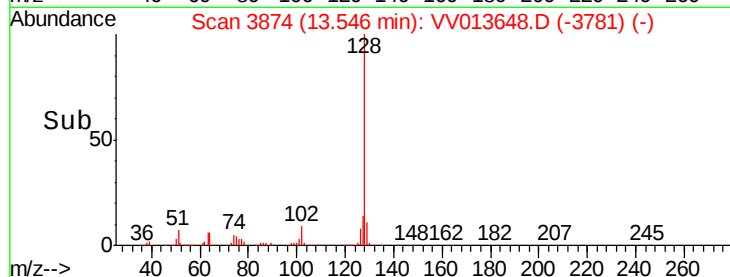
127 13.1 10.4 15.6



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: 4.993 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013648.D

Acq: 15 Nov 2019 19:35

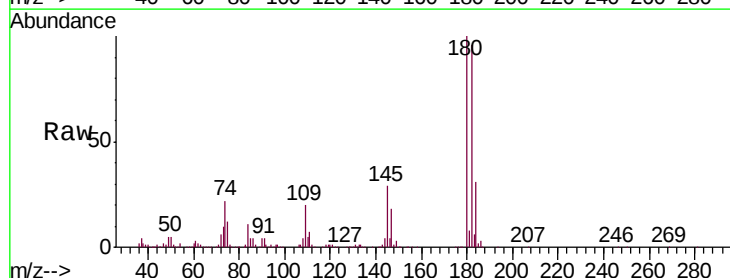
Tgt Ion:180 Resp: 187213

Ion Ratio Lower Upper

180 100

182 96.0 75.6 113.4

145 29.7 23.4 35.0



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

