

Data File : VV012186.D
Acq On : 11 Aug 2019 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Quant Time: Aug 12 01:31:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:03:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	327897	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	309392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	170067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54327	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.06%
7) Chloroethane-d5	1.58	69	37592	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.74%
11) 1,1-Dichloroethene-d2	2.13	63	110023	48.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.50%
21) 2-Butanone-d5	3.92	46	58809	98.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.60%
24) Chloroform-d	4.40	84	117855	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
26) 1,2-Dichloroethane-d4	5.08	65	66942	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
32) Benzene-d6	5.10	84	225827	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
36) 1,2-Dichloropropane-d6	6.11	67	60629	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.92%
41) Toluene-d8	7.36	98	214442	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%
43) trans-1,3-Dichloropropene-	7.66	79	32659	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.13	63	44659	89.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	81089	45.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.66%
64) 1,2-Dichlorobenzene-d4	11.67	152	87916	43.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	134007	48.143	ug/L	98
3) Chloromethane	1.25	50	86298	43.933	ug/L	99
5) Vinyl chloride	1.32	62	89465	49.349	ug/L	98
6) Bromomethane	1.53	94	50776	47.746	ug/L	93
8) Chloroethane	1.60	64	46554	49.021	ug/L	100
9) Trichlorofluoromethane	1.77	101	155834	50.325	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72482	50.143	ug/L	98
12) 1,1-Dichloroethene	2.14	96	65493	49.231	ug/L	95
13) Acetone	2.18	43	107414	124.023	ug/L	98
14) Carbon disulfide	2.32	76	234823	48.936	ug/L	100
15) Methyl Acetate	2.45	43	81153	45.754	ug/L	100
16) Methylene chloride	2.53	84	97281	47.772	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	96350	49.643	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	296439	47.439	ug/L	100
19) 1,1-Dichloroethane	3.23	63	162349	47.693	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	105985	48.066	ug/L	98
22) 2-Butanone	4.00	43	132747	102.915	ug/L	100

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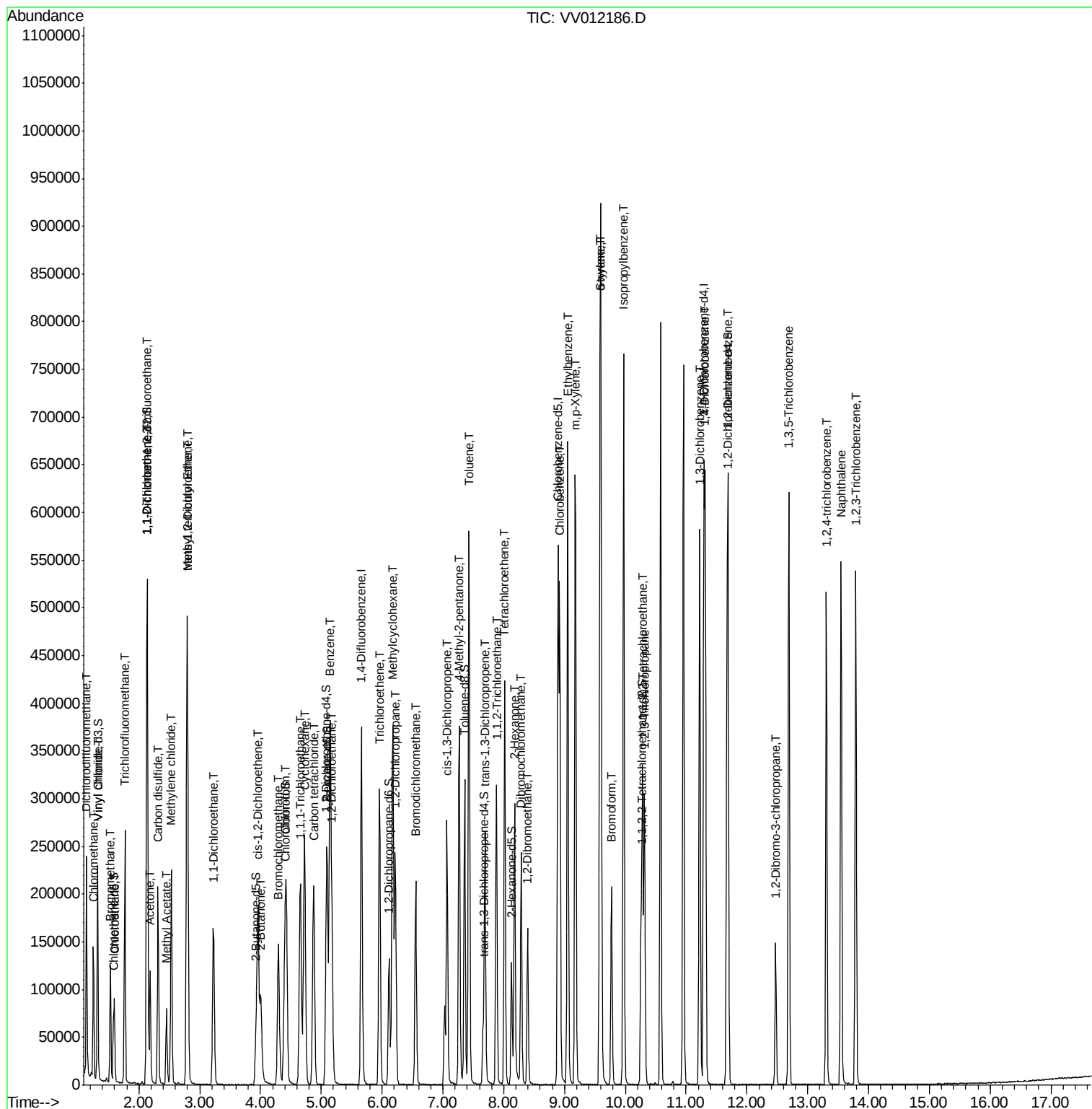
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	57728	47.398	ug/L	99
25) Chloroform	4.42	83	185392	48.364	ug/L	97
27) 1,2-Dichloroethane	5.18	62	143642	47.671	ug/L	98
29) Cyclohexane	4.72	56	138920	48.215	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	173840	48.209	ug/L	99
31) Carbon tetrachloride	4.87	117	162169	48.227	ug/L	100
33) Benzene	5.14	78	372987	47.709	ug/L	100
34) Trichloroethene	5.96	95	103582	48.526	ug/L	95
35) Methylcyclohexane	6.17	83	166177	49.992	ug/L	99
37) 1,2-Dichloropropane	6.22	63	88662	47.132	ug/L	99
38) Bromodichloromethane	6.55	83	141235	48.453	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	160666	49.523	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	223958	92.672	ug/L	99
42) Toluene	7.43	91	421267	48.690	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	145848	49.781	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	97827	46.983	ug/L	98
46) Tetrachloroethene	8.02	164	100556	49.281	ug/L	97
48) 2-Hexanone	8.18	43	173429	94.958	ug/L	99
49) Dibromochloromethane	8.29	129	125379	47.573	ug/L	99
50) 1,2-Dibromoethane	8.39	107	106825	46.950	ug/L	99
51) Chlorobenzene	8.92	112	285990	48.366	ug/L	97
52) Ethylbenzene	9.05	91	472718	48.939	ug/L	100
53) m,p-Xylene	9.18	106	185725	48.795	ug/L	98
54) o-xylene	9.59	106	182809	48.452	ug/L	97
55) Styrene	9.60	104	313910	49.769	ug/L	99
56) Isopropylbenzene	9.97	105	489664	49.151	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	147623	46.279	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	116530	45.911	ug/L	98
61) Bromoform	9.77	173	99181	45.407	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	247836	47.986	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	250816	48.769	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	240739	46.143	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	34296	42.417	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	201532	49.556	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	172252	51.045	ug/L	99
69) Naphthalene	13.55	128	451889	47.966	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	175405	49.503	ug/L	99

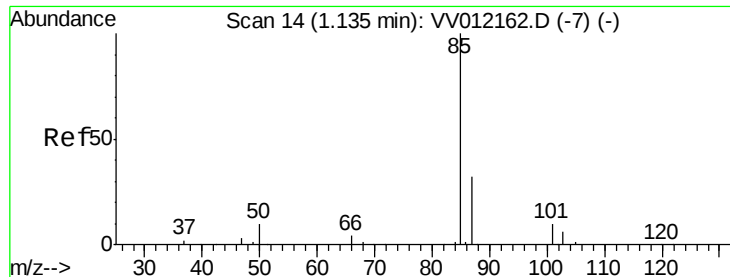
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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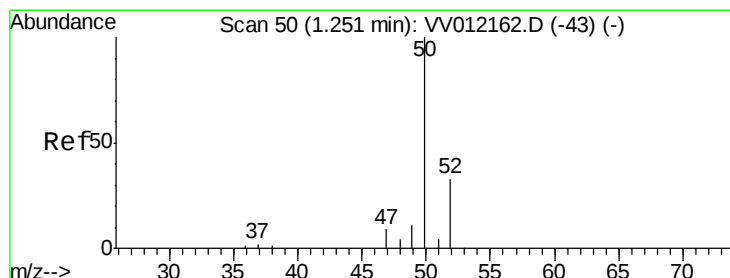
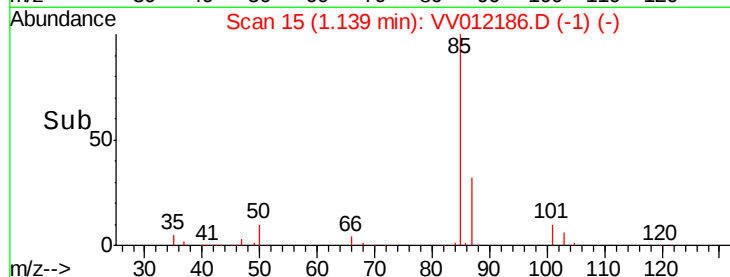
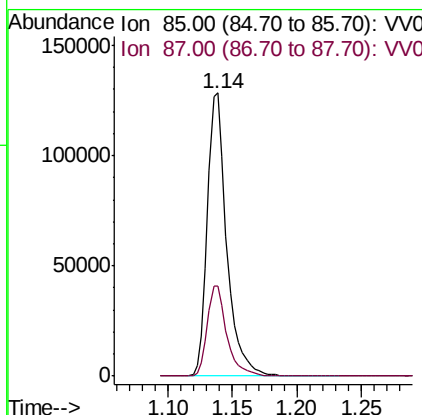
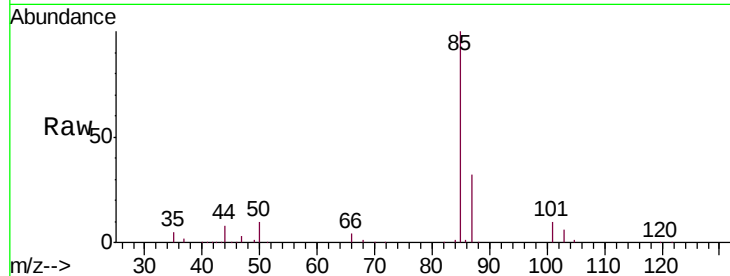




#2
 Dichlorodifluoromethane
 Concen: 48.143 ug/L
 RT: 1.14 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

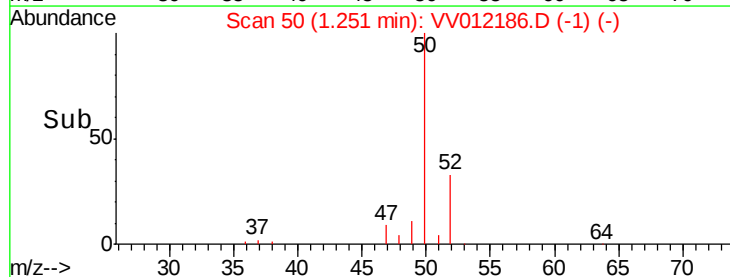
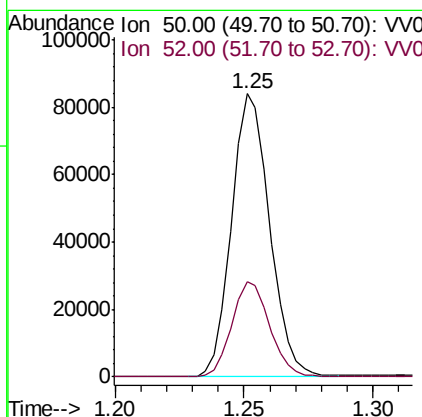
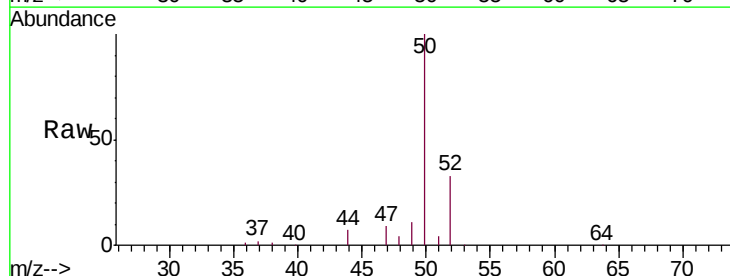
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05073

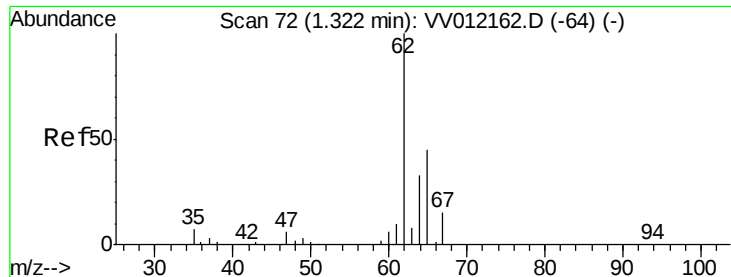
Tgt Ion: 85 Resp: 134007
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.4 39.6



#3
 Chloromethane
 Concen: 43.933 ug/L
 RT: 1.25 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

Tgt Ion: 50 Resp: 86298
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.0 42.8





#5

Vinyl chloride

Concen: 49.349 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

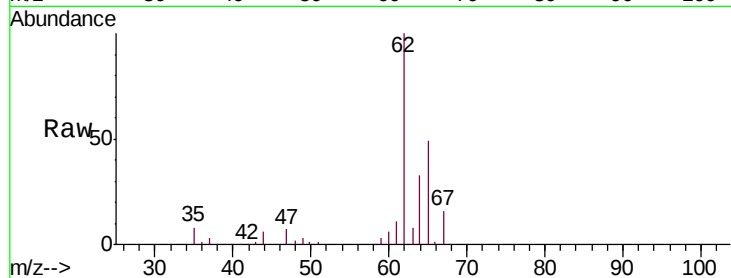
VSTD05073

Tgt Ion: 62 Resp: 89465

Ion Ratio Lower Upper

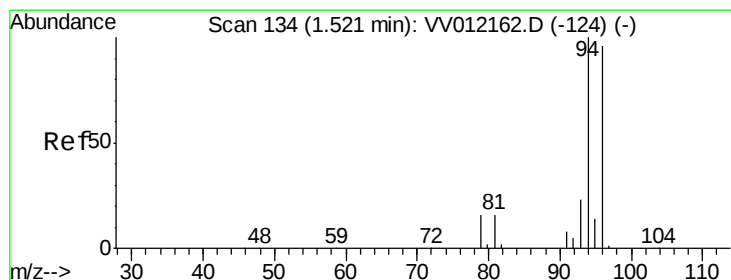
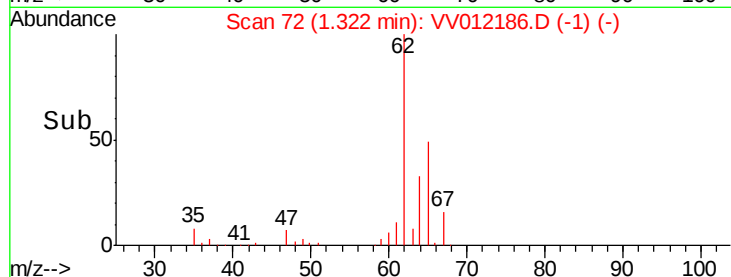
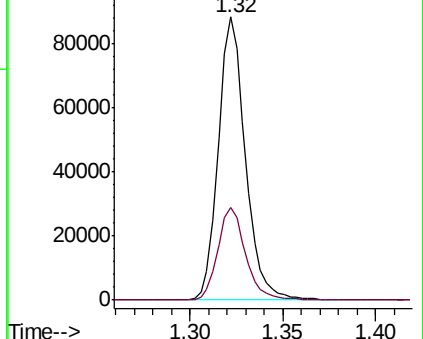
62 100

64 32.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.746 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV012186.D

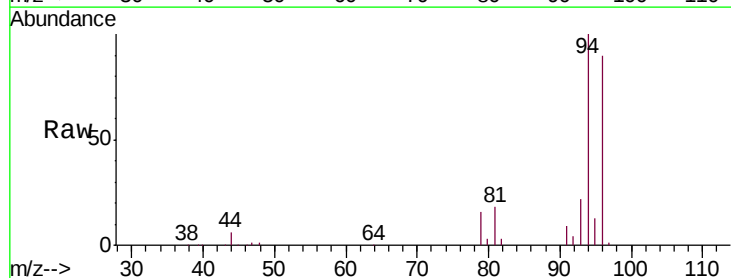
Acq: 11 Aug 2019 10:54

Tgt Ion: 94 Resp: 50776

Ion Ratio Lower Upper

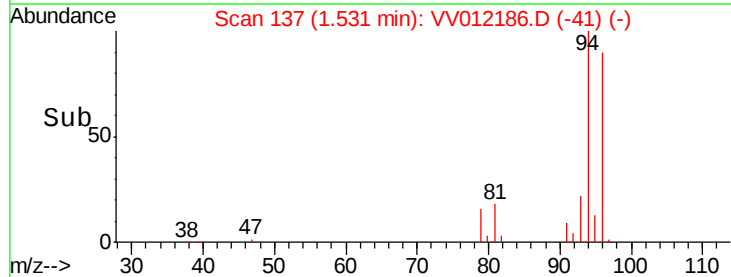
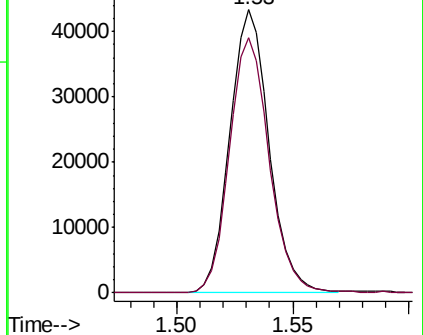
94 100

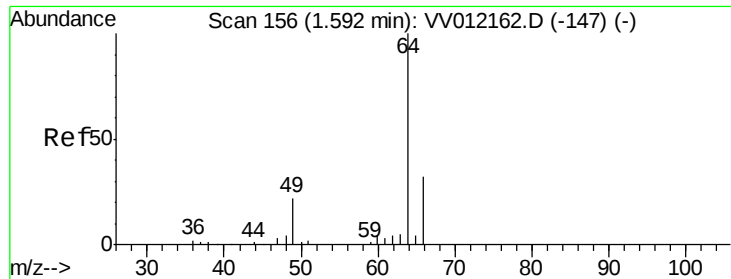
96 90.2 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

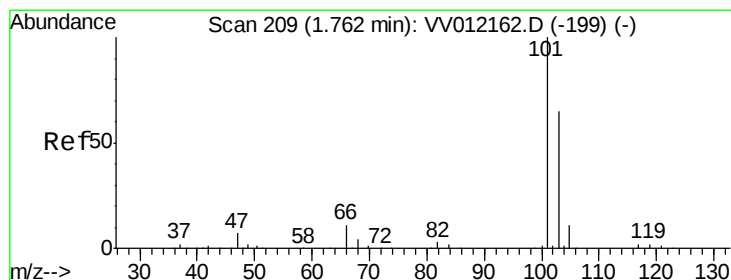
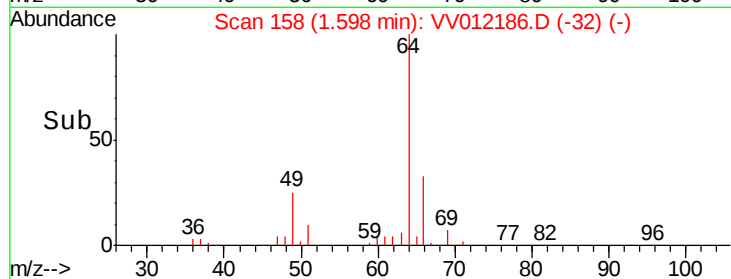
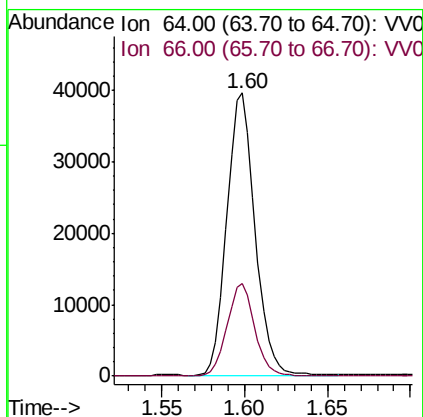
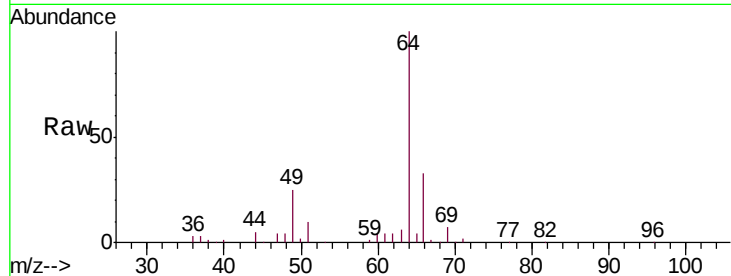




#8
 Chloroethane
 Concen: 49.021 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.01 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

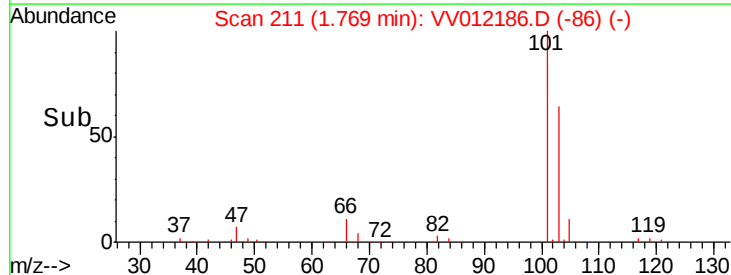
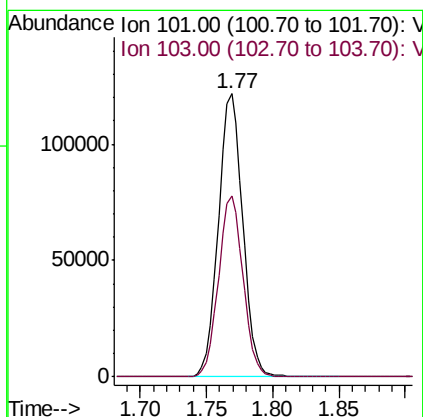
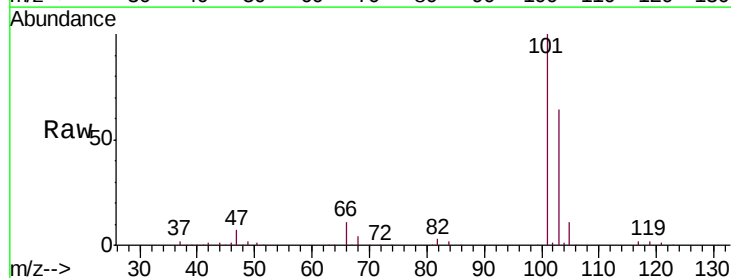
Instrument :
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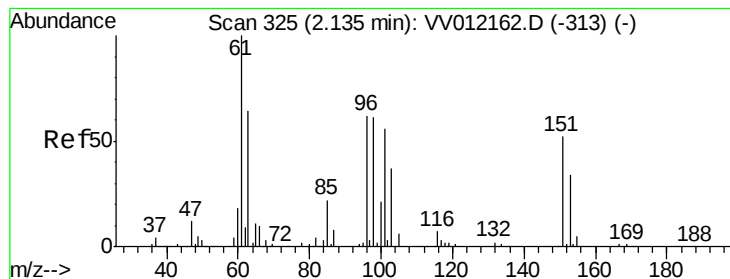
Tgt Ion: 64 Resp: 46554
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.9 42.5



#9
 Trichlorofluoromethane
 Concen: 50.325 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

Tgt Ion: 101 Resp: 155834
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.8 77.6





#10

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

Concen: 50.143 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

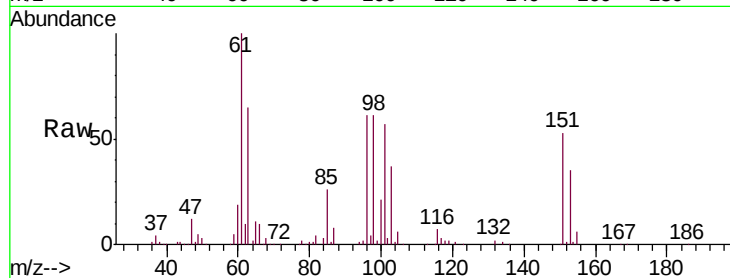
Tgt Ion: 101 Resp: 72482

Ion Ratio Lower Upper

101 100

85 43.8 33.6 50.4

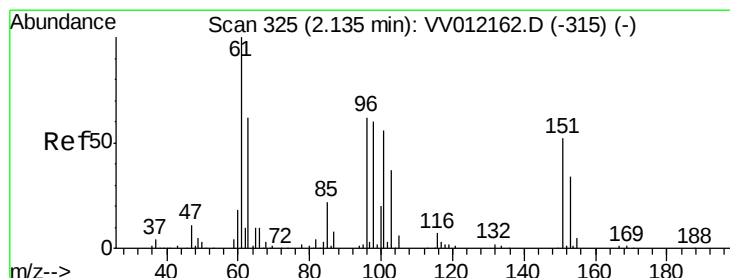
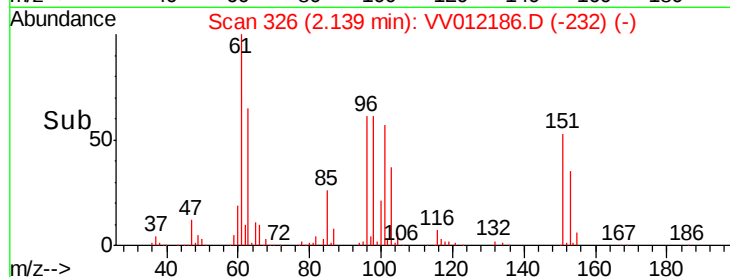
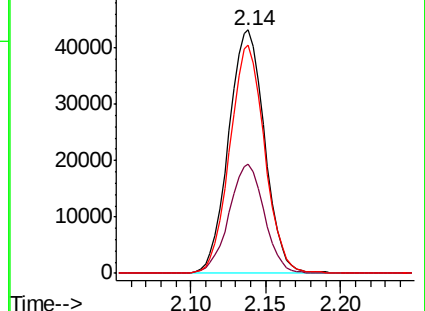
151 90.7 71.8 107.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.231 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

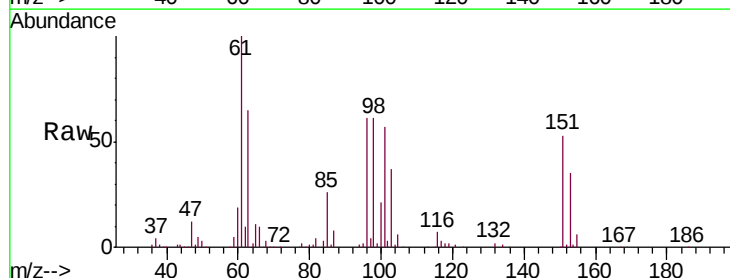
Tgt Ion: 96 Resp: 65493

Ion Ratio Lower Upper

96 100

61 164.1 115.1 213.8

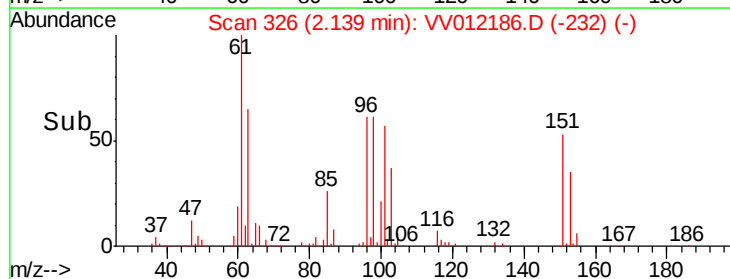
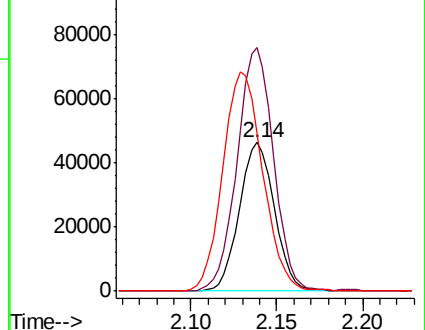
63 106.6 83.9 155.7

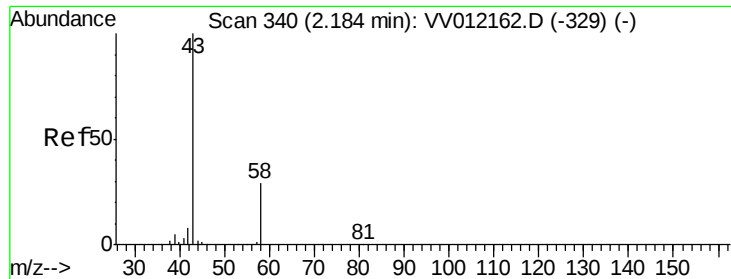


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 124.023 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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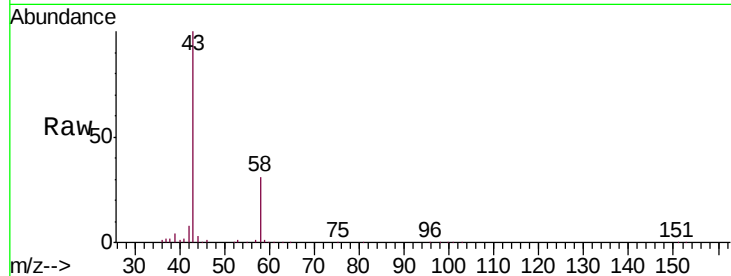
VSTD05073

Tgt Ion: 43 Resp: 107414

Ion Ratio Lower Upper

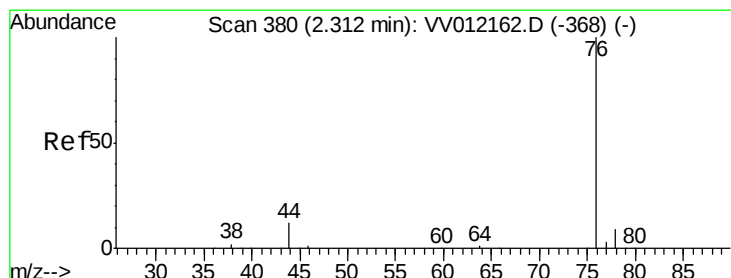
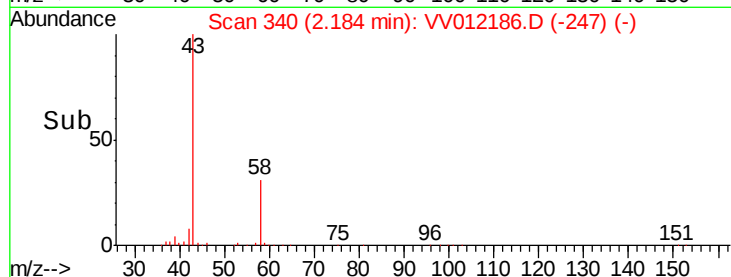
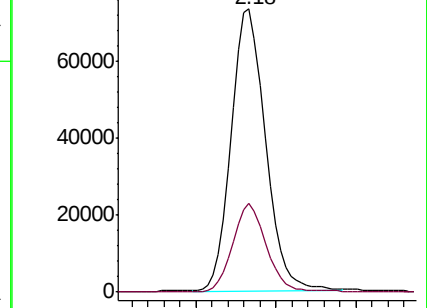
43 100

58 30.6 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV012186.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV012186.D (-247) (-)



#14

Carbon disulfide

Concen: 48.936 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012186.D

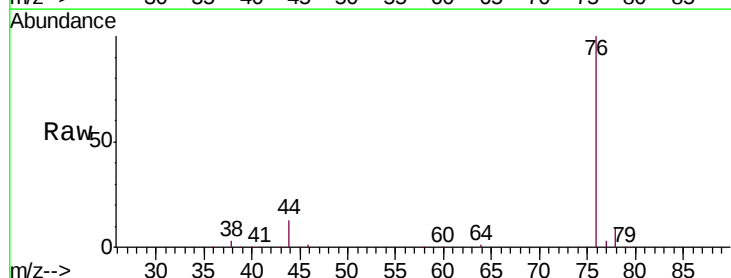
Acq: 11 Aug 2019 10:54

Tgt Ion: 76 Resp: 234823

Ion Ratio Lower Upper

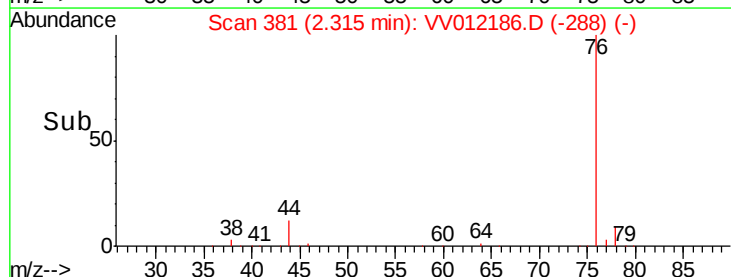
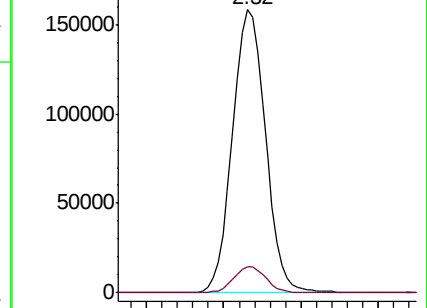
76 100

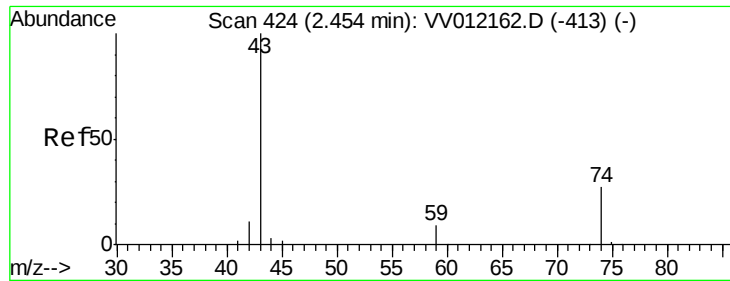
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV012186.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV012186.D (-288) (-)

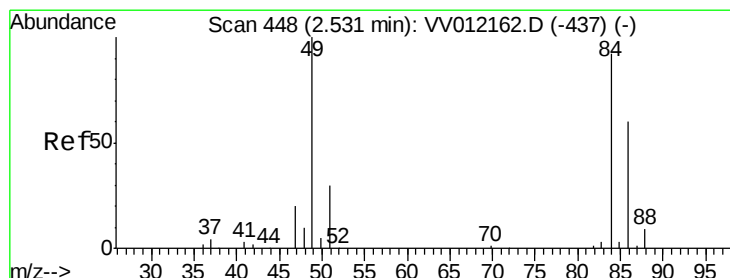
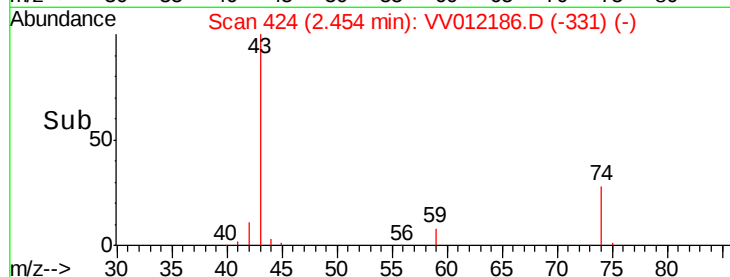
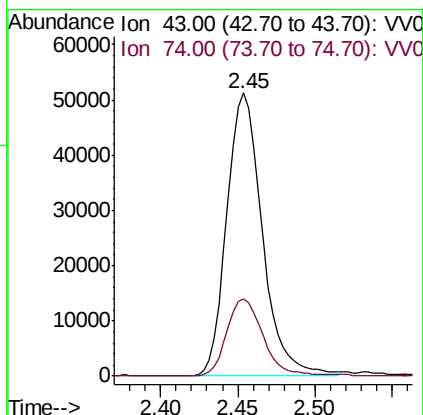
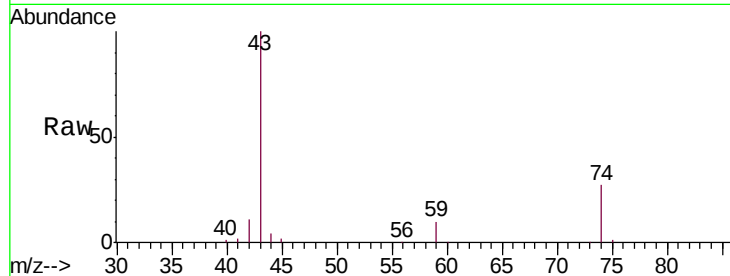




#15
Methyl Acetate
Concen: 45.754 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV012186.D
Acq: 11 Aug 2019 10:54

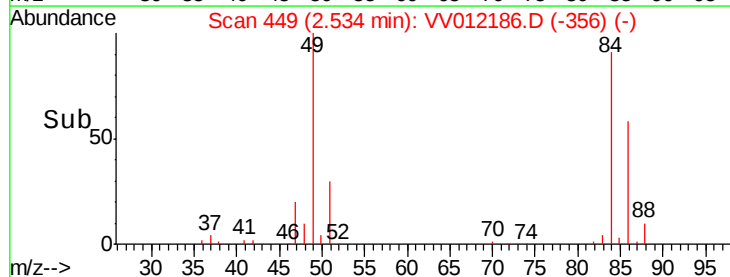
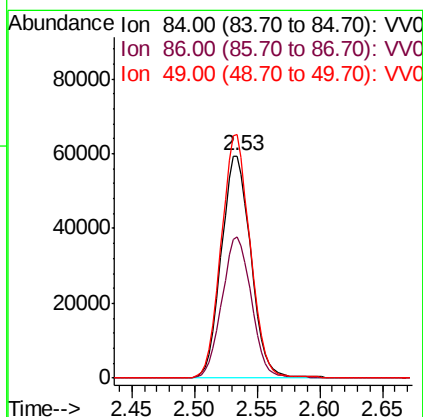
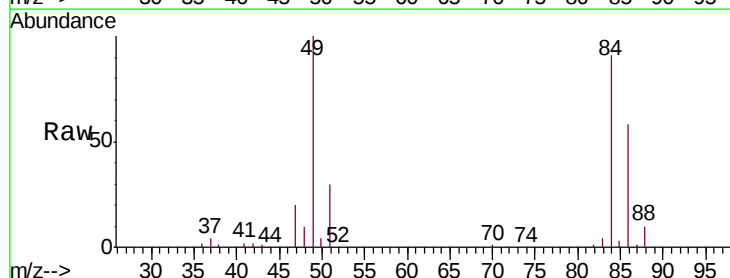
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

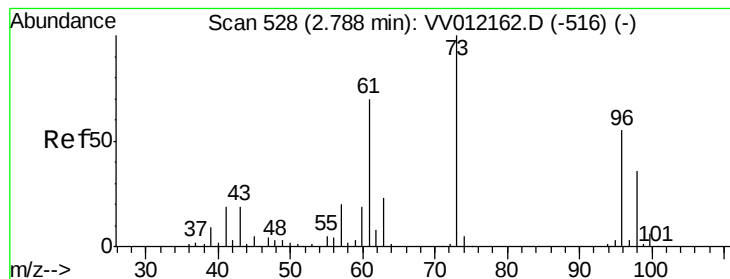
Tgt Ion: 43 Resp: 81153
Ion Ratio Lower Upper
43 100
74 28.2 22.4 33.6



#16
Methylene chloride
Concen: 47.772 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012186.D
Acq: 11 Aug 2019 10:54

Tgt Ion: 84 Resp: 97281
Ion Ratio Lower Upper
84 100
86 63.3 47.0 87.4
49 109.5 74.8 139.0





#17

trans-1,2-Dichloroethene

Concen: 49.643 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

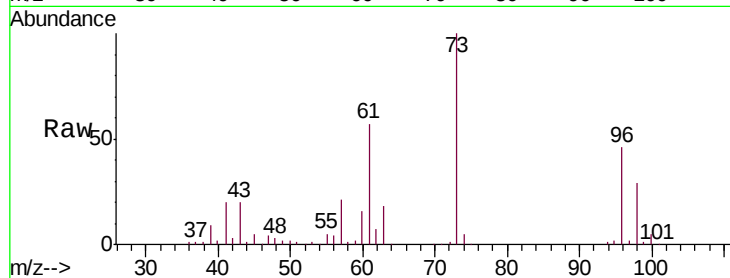
Tgt Ion: 96 Resp: 96350

Ion Ratio Lower Upper

96 100

61 124.4 89.3 165.9

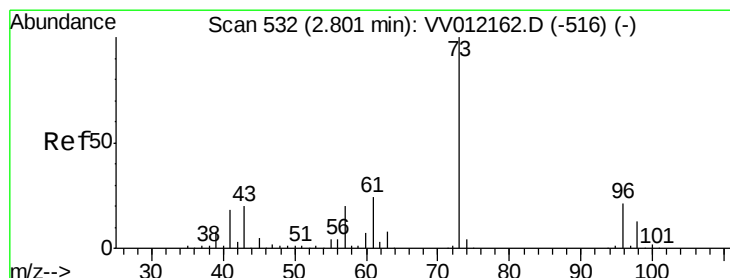
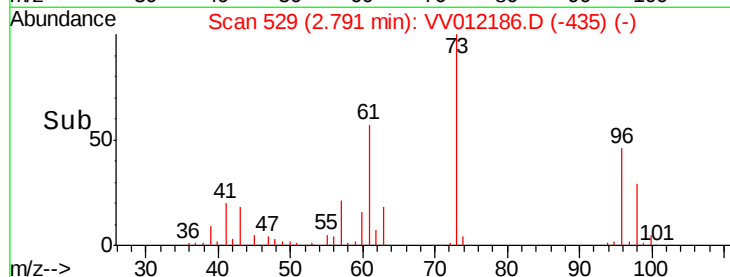
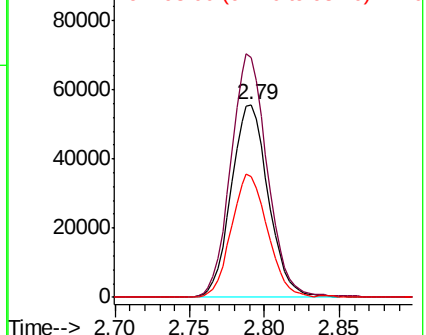
98 62.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.439 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

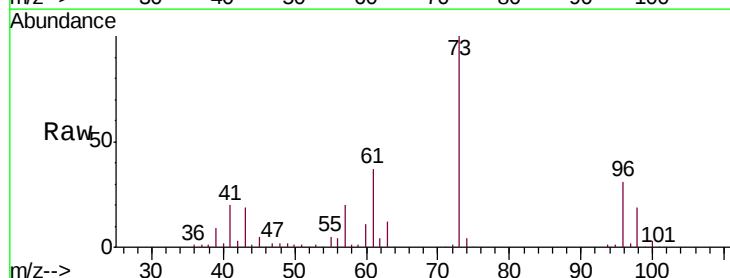
Tgt Ion: 73 Resp: 296439

Ion Ratio Lower Upper

73 100

43 18.8 15.2 22.8

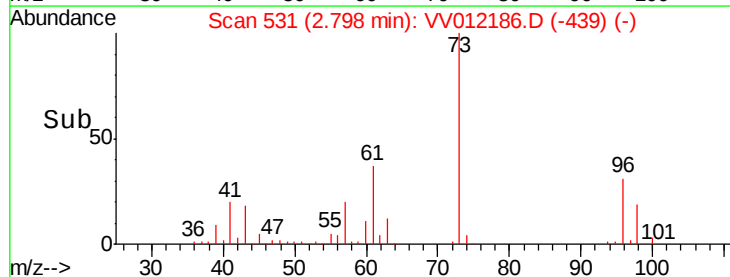
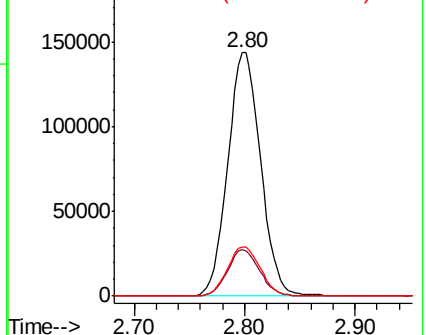
57 20.3 16.2 24.2

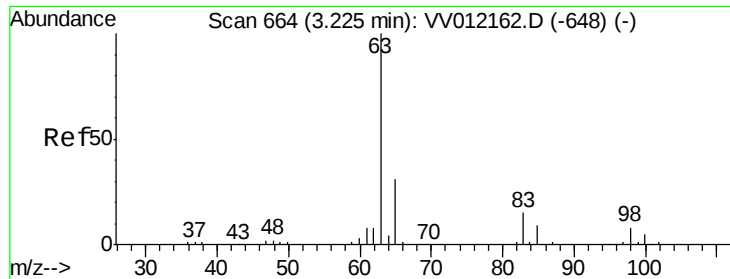


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

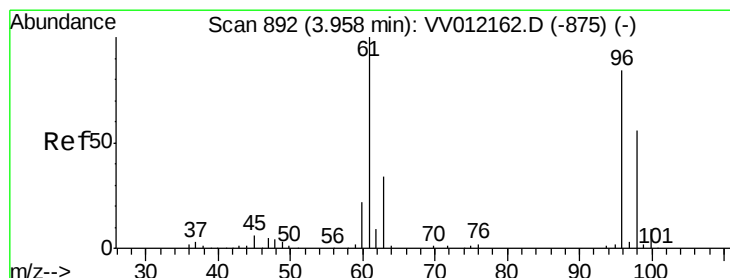
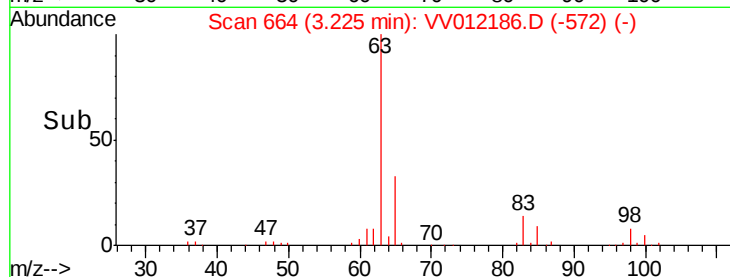
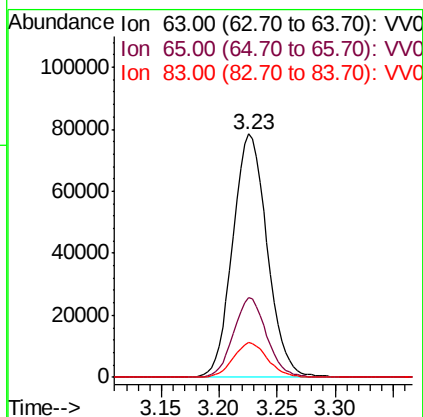
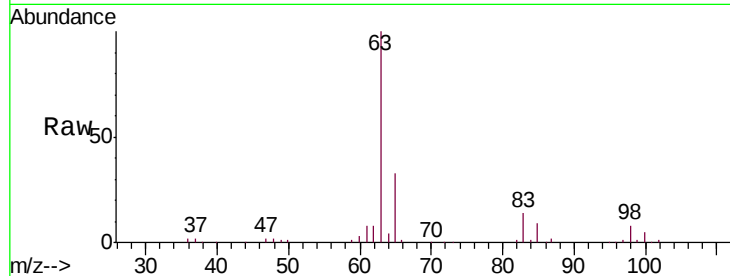




#19
 1,1-Dichloroethane
 Concen: 47.693 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

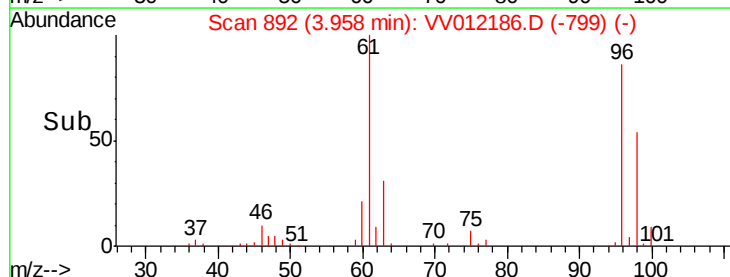
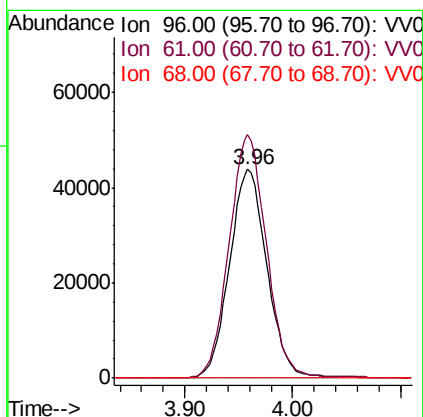
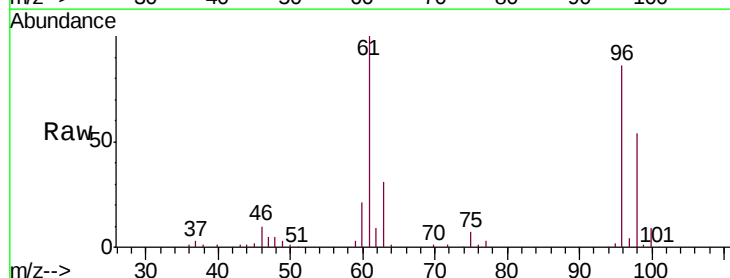
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

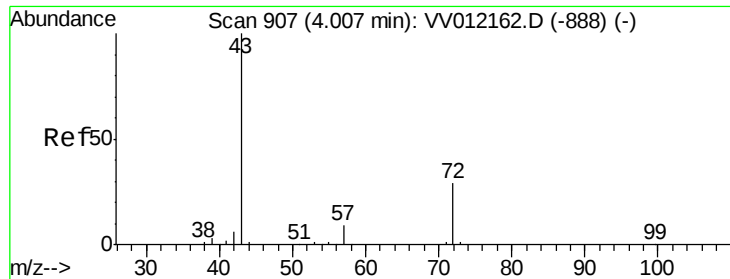
Tgt Ion: 63 Resp: 162349
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.9 42.5
 83 14.2 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.066 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

Tgt Ion: 96 Resp: 105985
 Ion Ratio Lower Upper
 96 100
 61 116.6 82.9 153.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.915 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

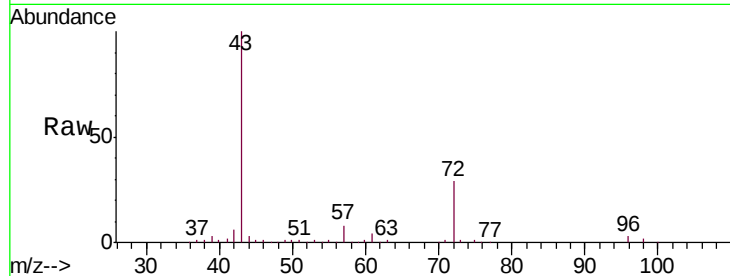
VSTD05073

Tgt Ion: 43 Resp: 132747

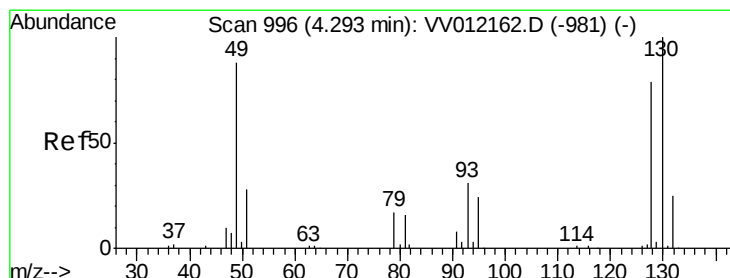
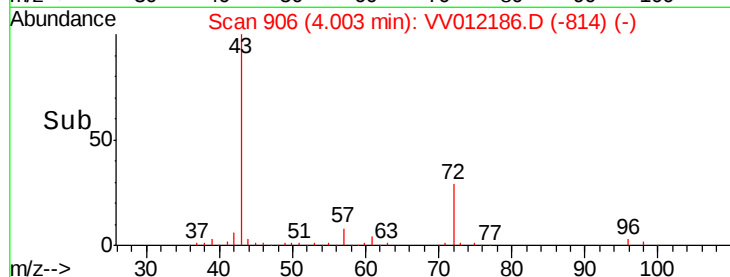
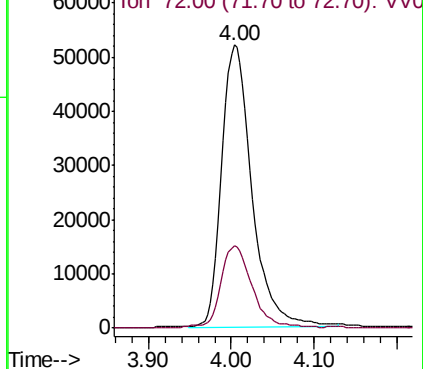
Ion Ratio Lower Upper

43 100

72 27.8 14.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VV012186.D (-814) (-)



#23

Bromochloromethane

Concen: 47.398 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Tgt Ion: 128 Resp: 57728

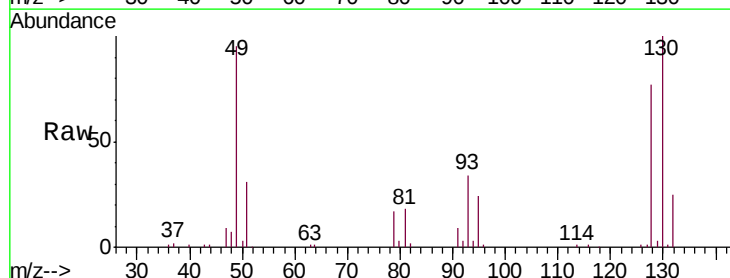
Ion Ratio Lower Upper

128 100

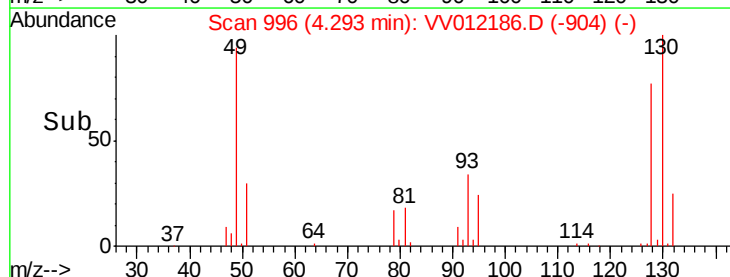
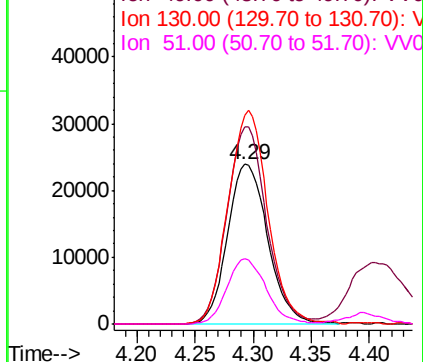
49 123.4 85.7 159.1

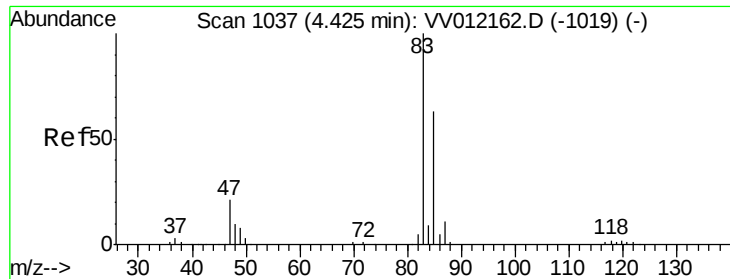
130 130.5 89.9 166.9

51 40.9 31.7 47.5



Abundance Ion 128.00 (127.70 to 128.70): VV012186.D (-904) (-)

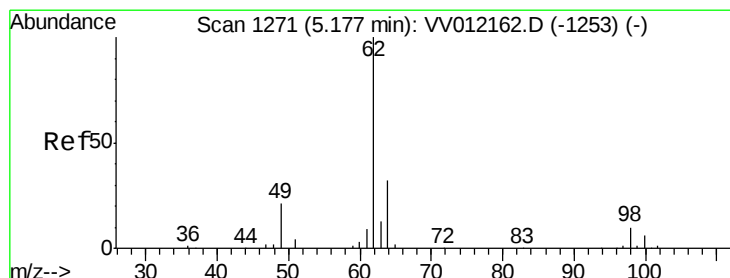
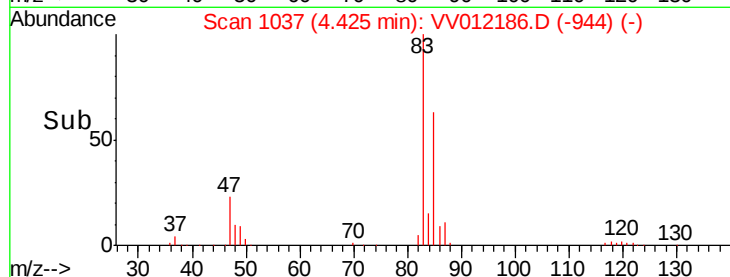
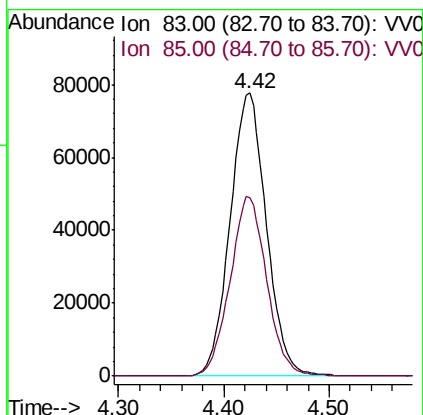
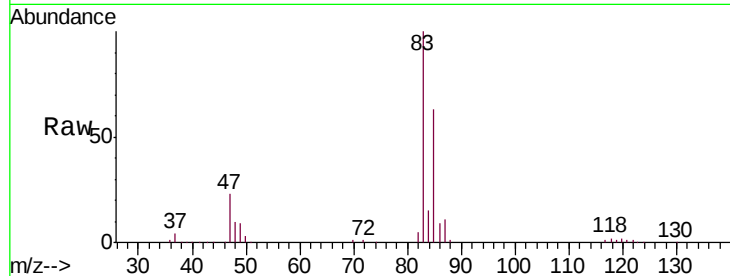




#25
Chloroform
Concen: 48.364 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012186.D
Acq: 11 Aug 2019 10:54

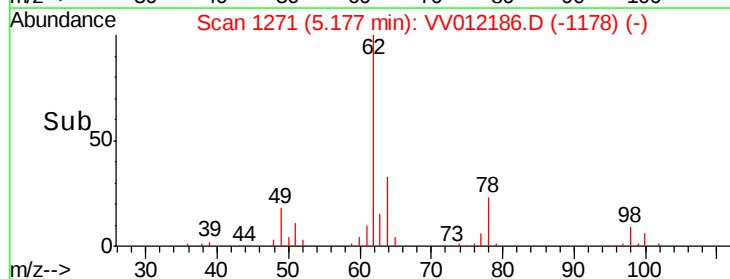
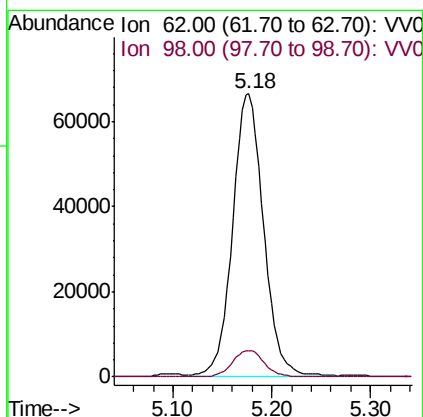
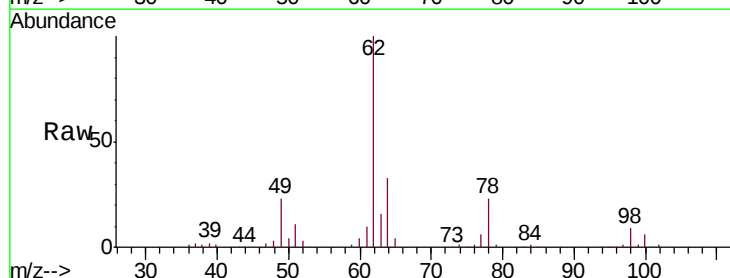
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

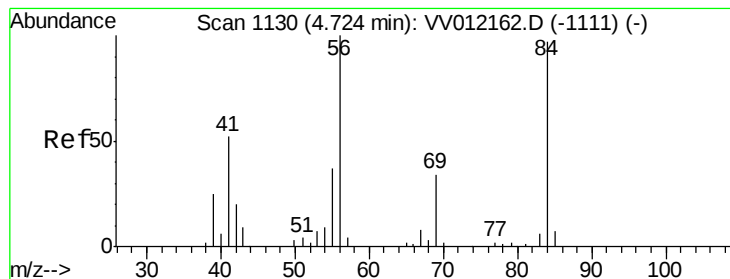
Tgt Ion: 83 Resp: 185392
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 47.671 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012186.D
Acq: 11 Aug 2019 10:54

Tgt Ion: 62 Resp: 143642
Ion Ratio Lower Upper
62 100
98 9.4 8.1 12.1





#29

Cyclohexane

Concen: 48.215 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

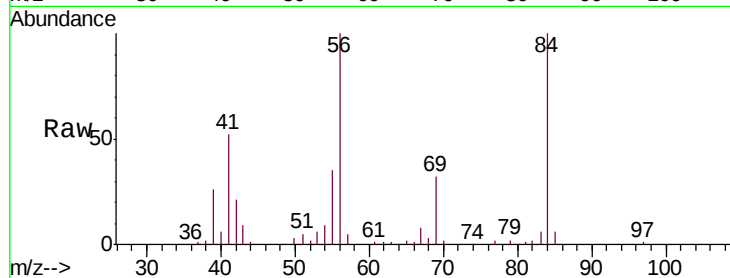
Tgt Ion: 56 Resp: 138920

Ion Ratio Lower Upper

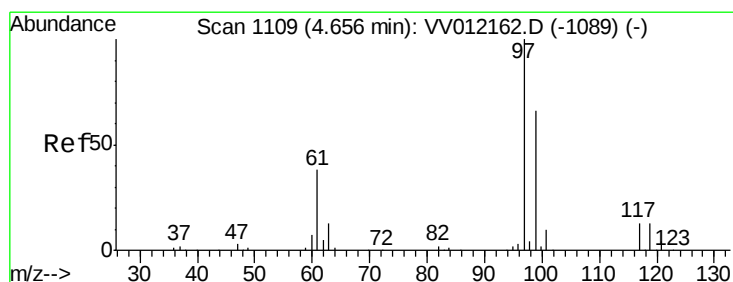
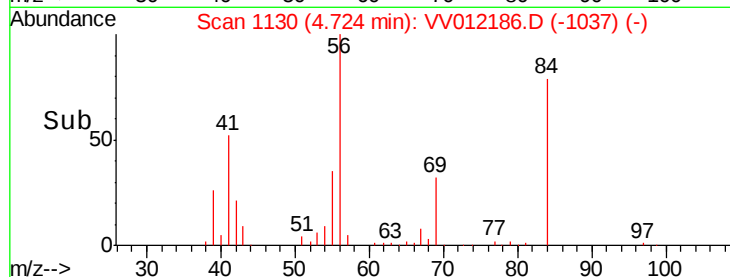
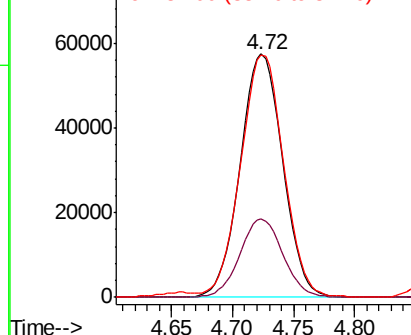
56 100

69 32.7 26.6 40.0

84 100.9 78.6 117.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.209 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

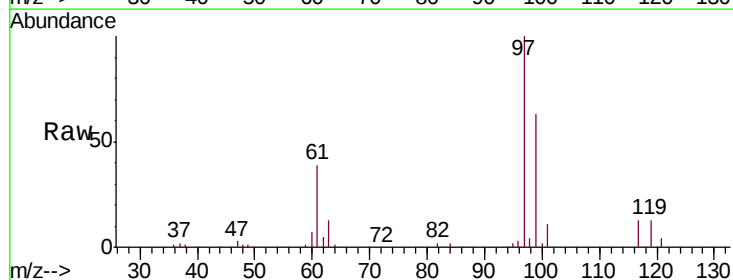
Tgt Ion: 97 Resp: 173840

Ion Ratio Lower Upper

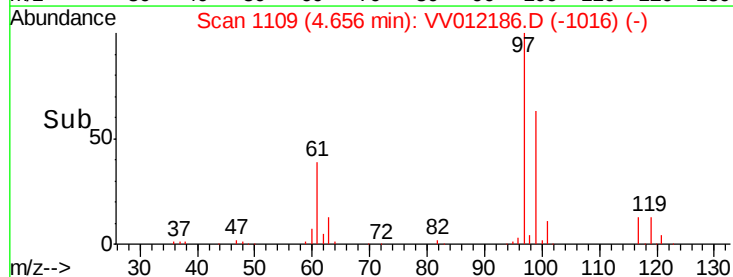
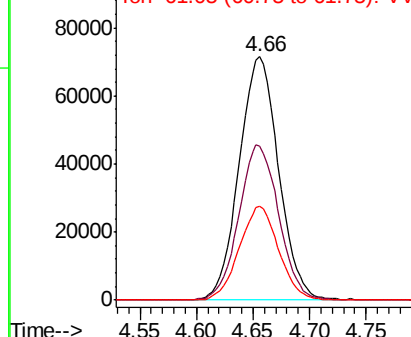
97 100

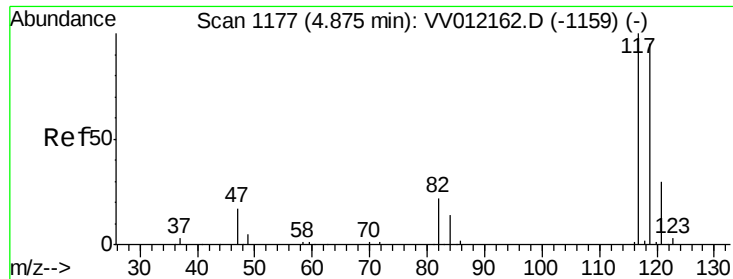
99 64.4 51.5 77.3

61 38.3 31.5 47.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.227 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

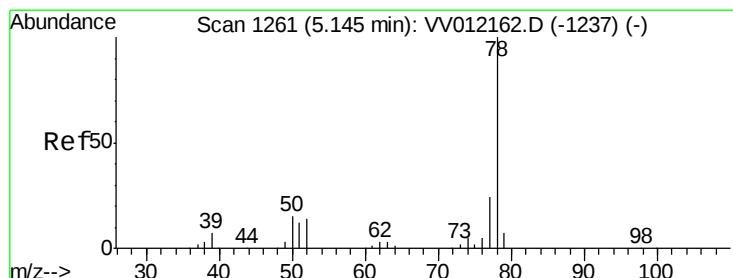
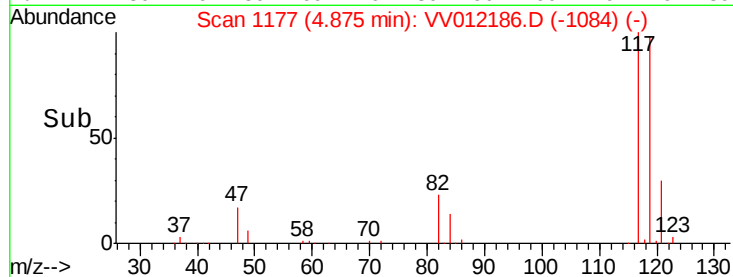
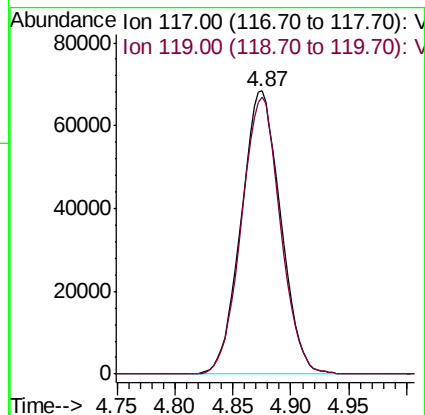
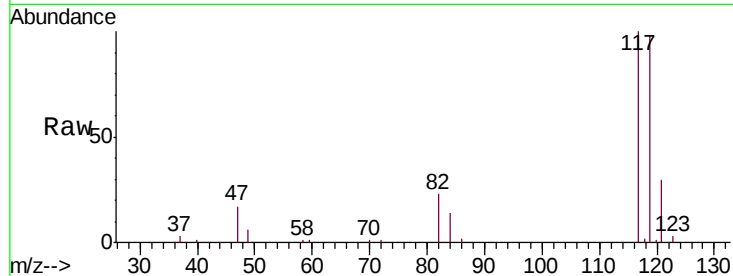
VSTD05073

Tgt Ion:117 Resp: 162169

Ion Ratio Lower Upper

117 100

119 96.5 77.1 115.7



#33

Benzene

Concen: 47.709 ug/L

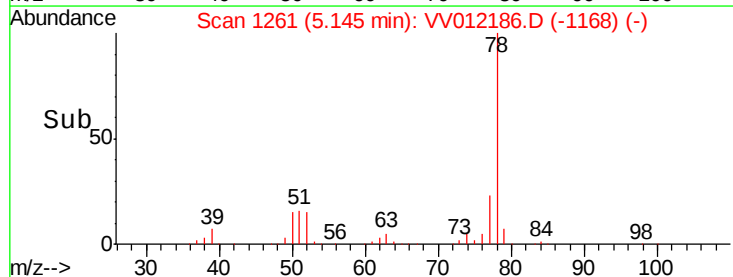
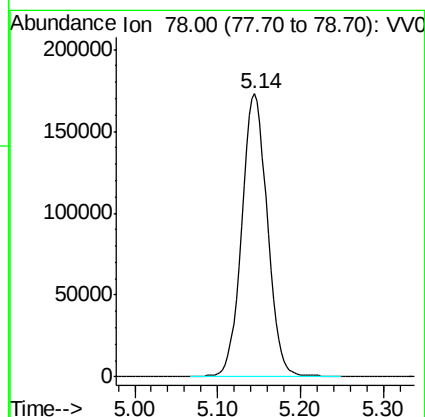
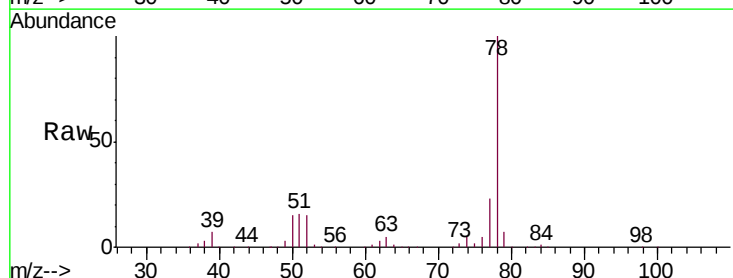
RT: 5.14 min Scan# 1261

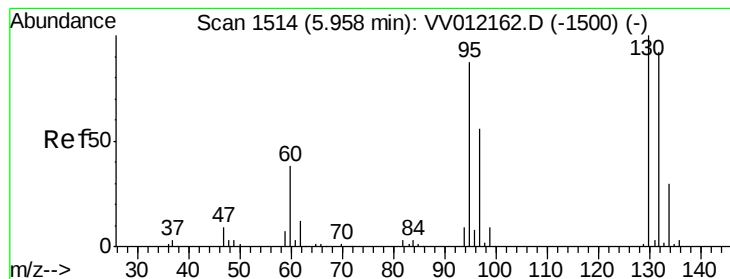
Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Tgt Ion: 78 Resp: 372987





#34

Trichloroethene

Concen: 48.526 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tgt Ion: 95 Resp: 103582

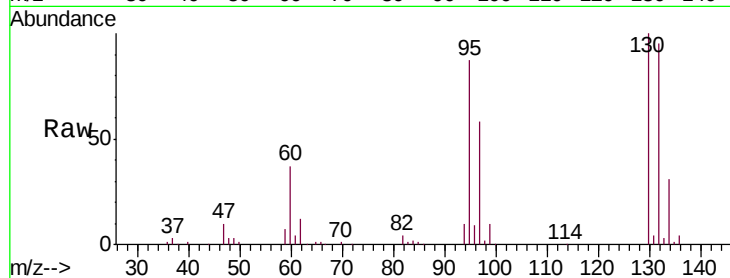
Ion Ratio Lower Upper

95 100

97 66.4 44.7 83.1

132 109.1 72.7 134.9

130 115.4 75.9 141.1

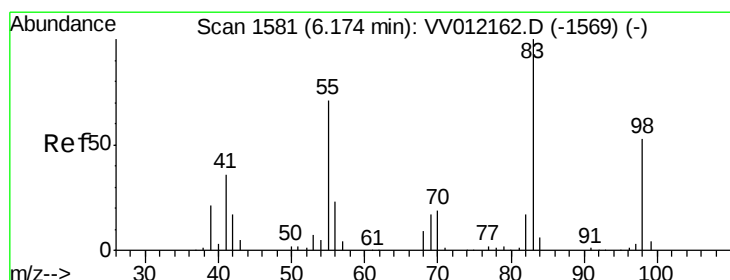
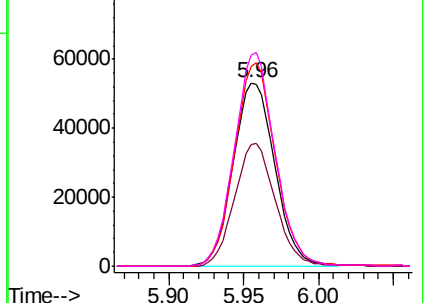
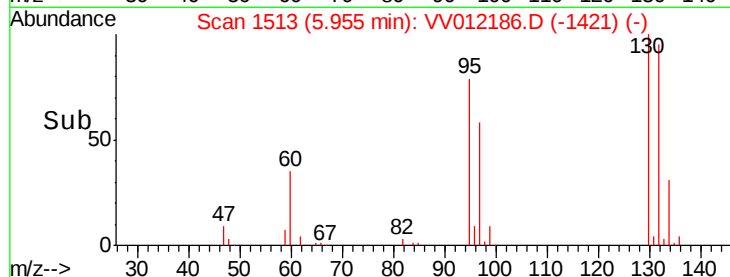


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.992 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

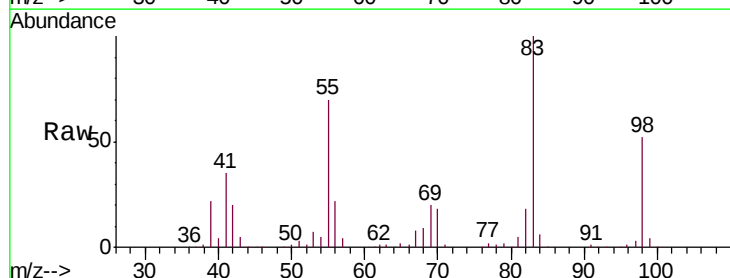
Tgt Ion: 83 Resp: 166177

Ion Ratio Lower Upper

83 100

55 69.5 54.9 82.3

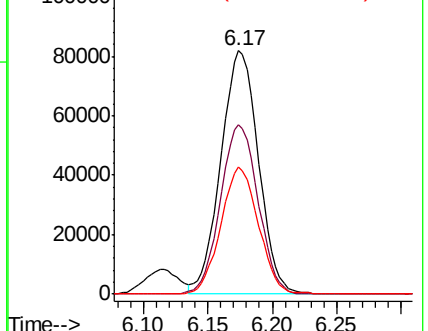
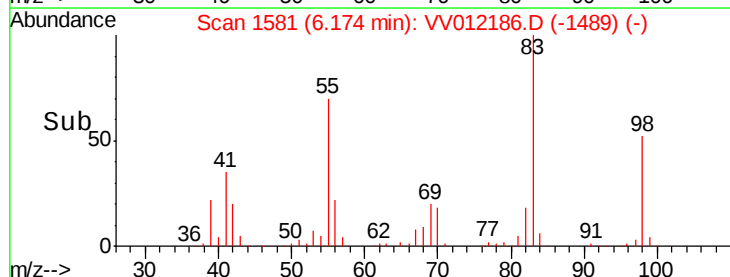
98 51.4 40.7 61.1

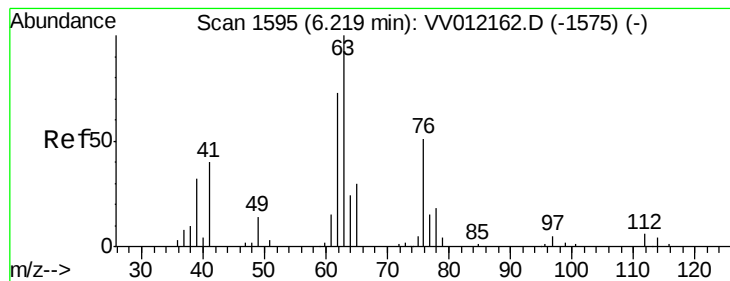


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 47.132 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

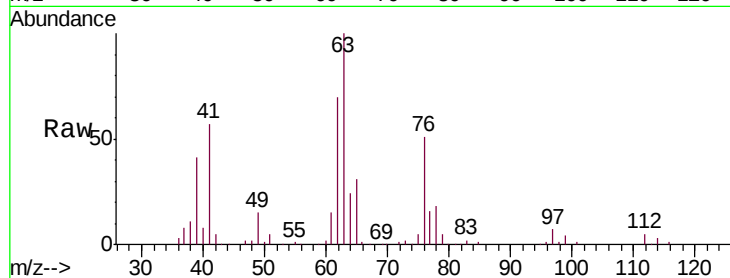
VSTD05073

Tgt Ion: 63 Resp: 88662

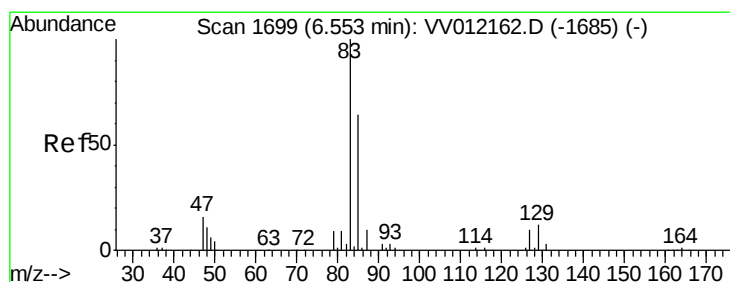
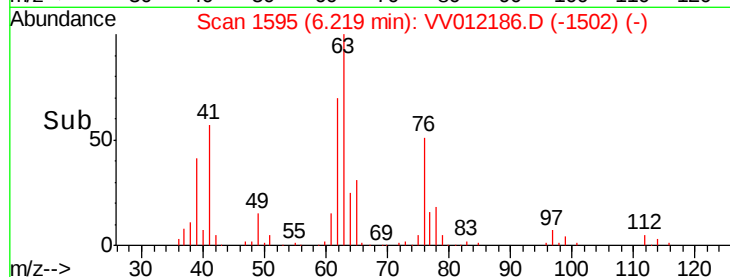
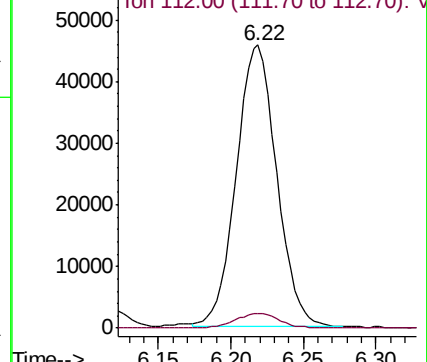
Ion Ratio Lower Upper

63 100

112 5.6 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VV012186.D (-1502) (-)



#38

Bromodichloromethane

Concen: 48.453 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

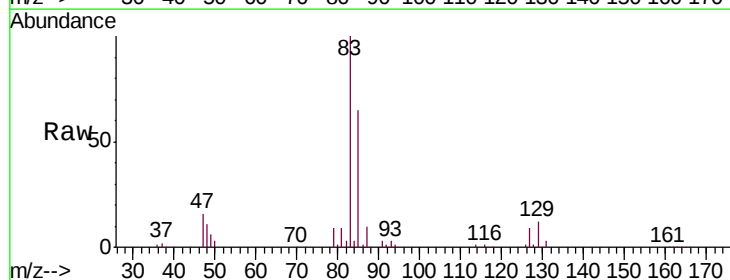
Tgt Ion: 83 Resp: 141235

Ion Ratio Lower Upper

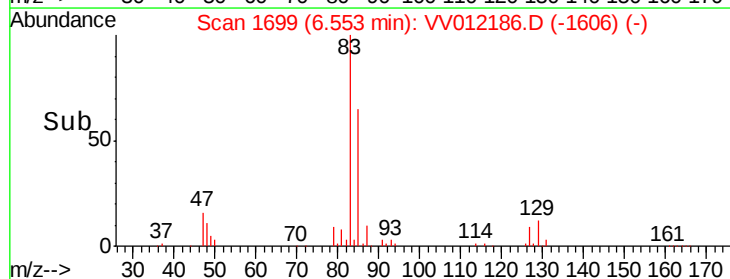
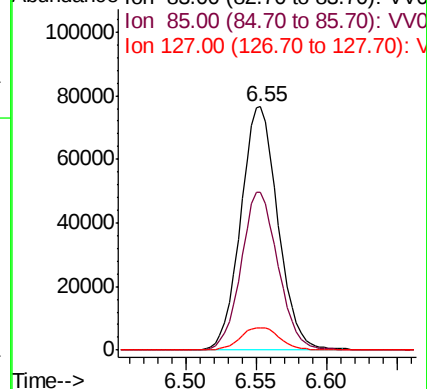
83 100

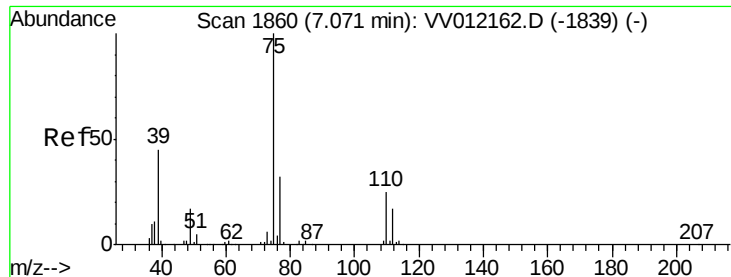
85 64.8 45.5 84.5

127 9.3 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV012186.D (-1606) (-)





#39

cis-1,3-Dichloropropene

Concen: 49.523 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

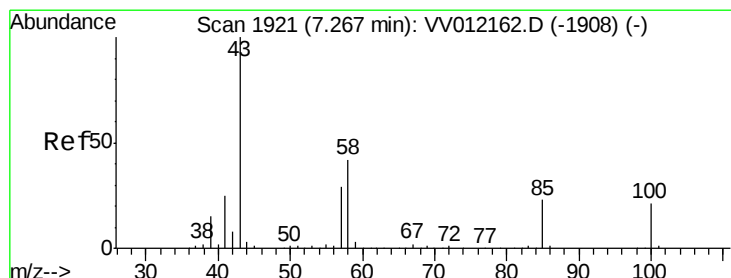
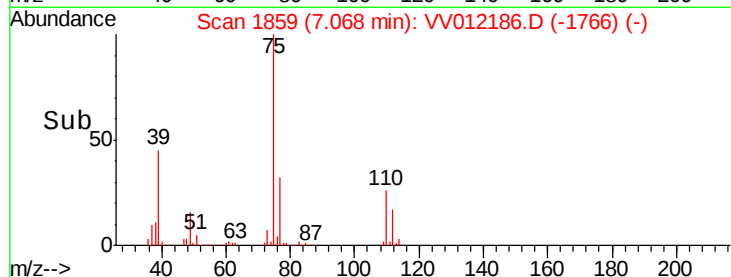
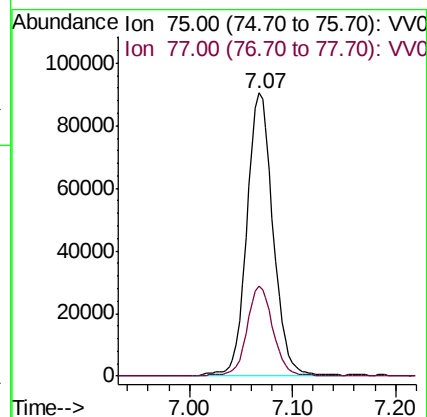
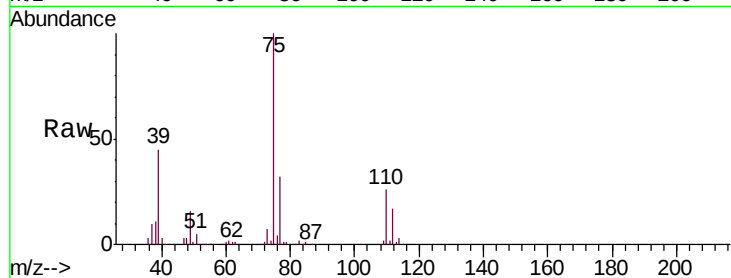
VSTD05073

Tgt Ion: 75 Resp: 160666

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 92.672 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

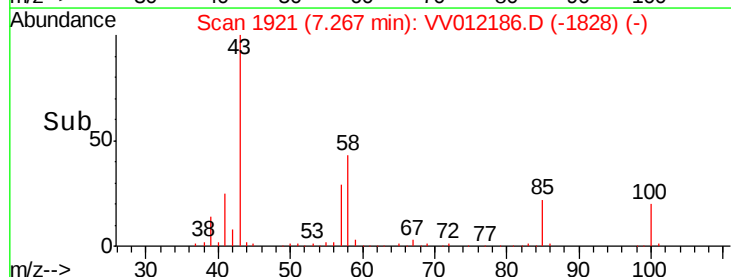
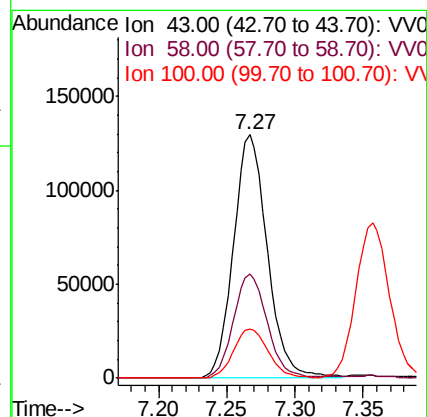
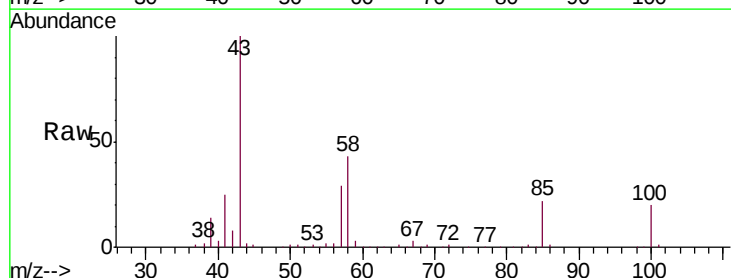
Tgt Ion: 43 Resp: 223958

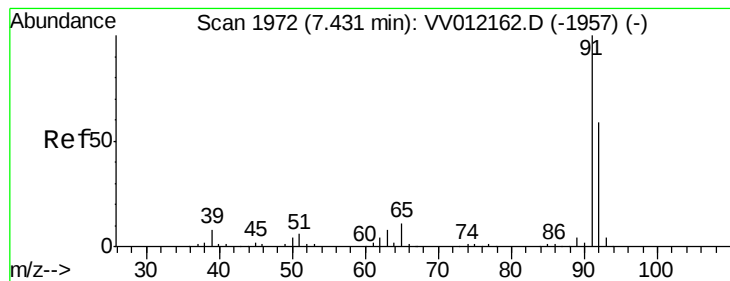
Ion Ratio Lower Upper

43 100

58 42.8 34.7 52.1

100 20.8 16.2 24.2





#42

Toluene

Concen: 48.690 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012186.D

Acq: 11 Aug 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

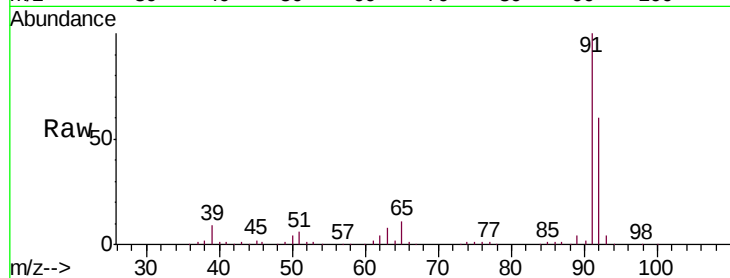
VSTD05073

Tgt Ion: 91 Resp: 421267

Ion Ratio Lower Upper

91 100

92 60.1 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV012162.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV012162.D (-1957) (-)

7.43

250000

200000

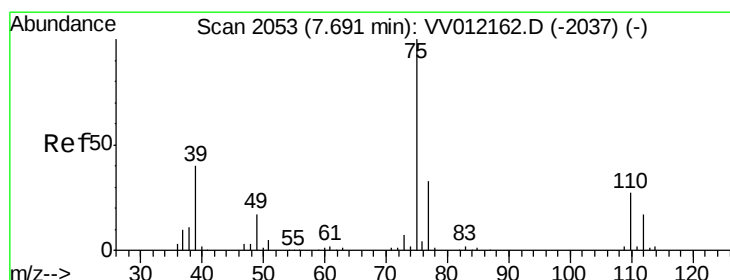
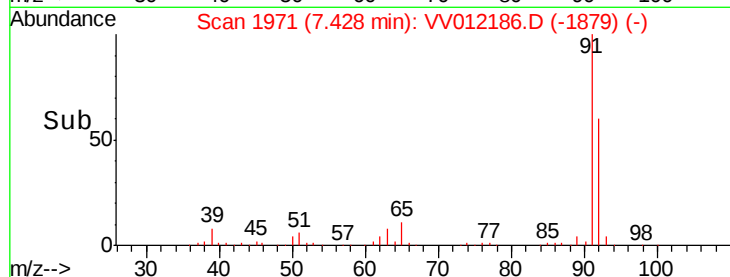
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.781 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012186.D

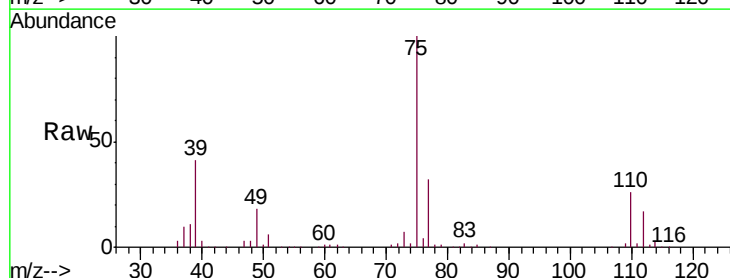
Acq: 11 Aug 2019 10:54

Tgt Ion: 75 Resp: 145848

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV012162.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV012162.D (-2037) (-)

7.69

100000

80000

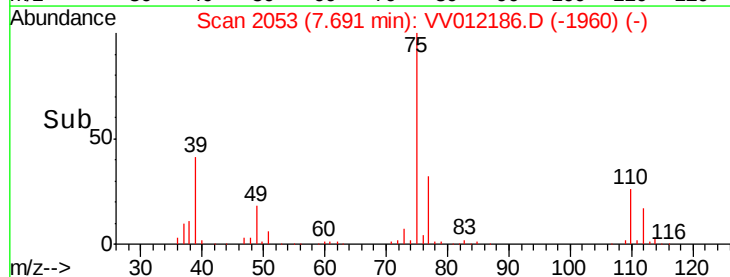
60000

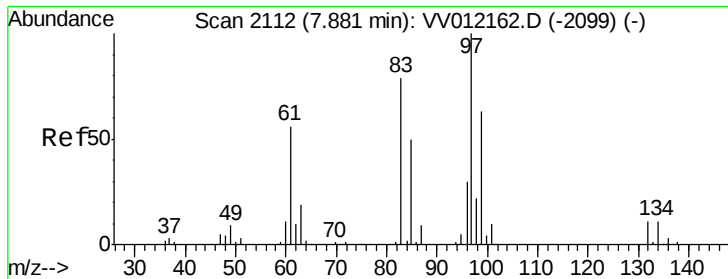
40000

20000

0

Time-->

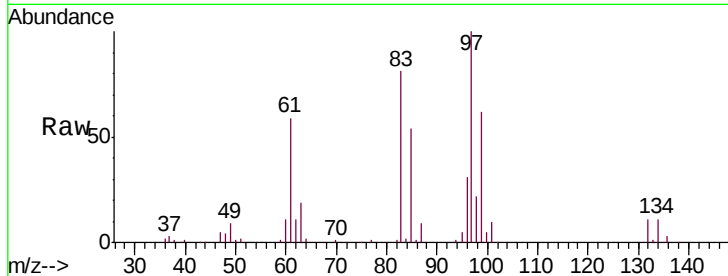




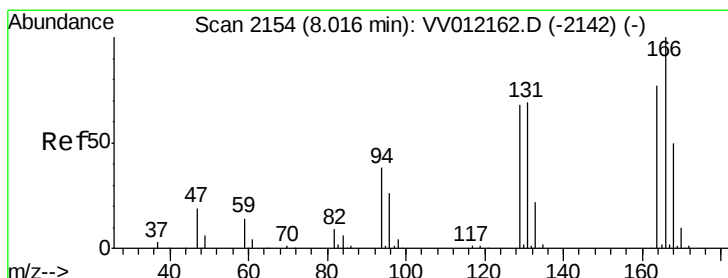
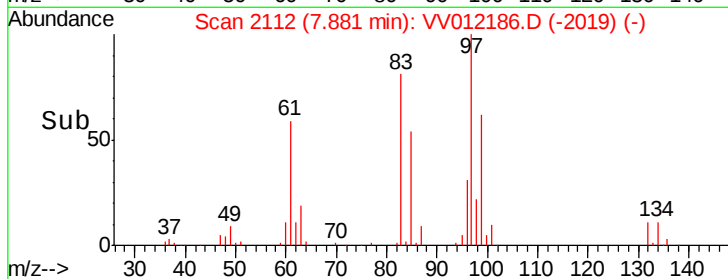
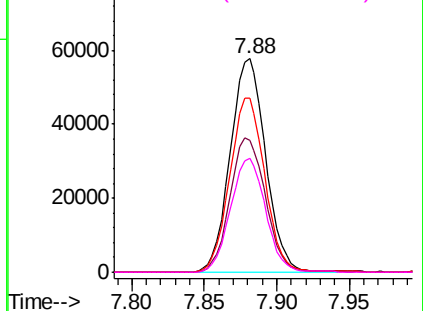
#45
 1,1,2-Trichloroethane
 Concen: 46.983 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion:	97	Resp:	97827
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.2	82.0
83	81.4	55.9	103.9
85	53.6	36.3	67.3

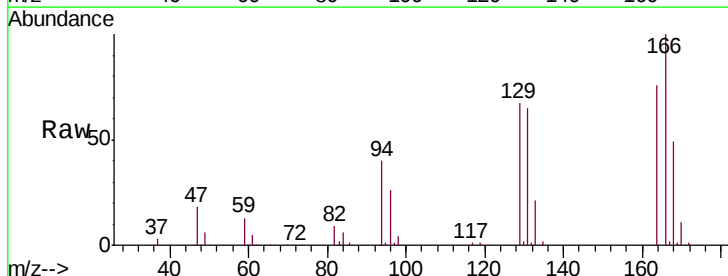


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.281 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012186.D
 Acq: 11 Aug 2019 10:54

Tgt Ion:	164	Resp:	100556
Ion	Ratio	Lower	Upper
164	100		
129	88.4	60.6	112.6
131	85.0	59.5	110.5
166	131.5	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

