

Data File : VV009747.D
Acq On : 16 Mar 2019 23:18
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Quant Time: Mar 18 07:47:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:41:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143756	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48154	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.36%
7) Chloroethane-d5	1.55	69	36354	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.68%
11) 1,1-Dichloroethene-d2	2.12	63	100396	48.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.28%
21) 2-Butanone-d5	3.93	46	60214	104.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.30%
24) Chloroform-d	4.40	84	89008	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
26) 1,2-Dichloroethane-d4	5.08	65	54744	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.30%
32) Benzene-d6	5.10	84	183810	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
36) 1,2-Dichloropropane-d6	6.12	67	55342	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.56%
41) Toluene-d8	7.36	98	177550	48.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.66	79	25475	46.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.02%
47) 2-Hexanone-d5	8.14	63	46030	97.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	87048	49.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.08%
64) 1,2-Dichlorobenzene-d4	11.67	152	69801	50.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	51554	48.415	ug/L 99
3) Chloromethane	1.25	50	49174	49.485	ug/L 98
5) Vinyl chloride	1.32	62	54176	50.768	ug/L 99
6) Bromomethane	1.51	94	26602	46.809	ug/L 98
8) Chloroethane	1.57	64	32127	49.525	ug/L 93
9) Trichlorofluoromethane	1.75	101	87828	49.154	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47068	47.598	ug/L 99
12) 1,1-Dichloroethene	2.13	96	41713	48.671	ug/L 97
13) Acetone	2.19	43	38476	70.363	ug/L 98
14) Carbon disulfide	2.31	76	119986	48.010	ug/L 98
15) Methyl Acetate	2.46	43	42727	46.334	ug/L 99
16) Methylene chloride	2.53	84	49444	49.657	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	45557	49.632	ug/L 95
18) Methyl tert-butyl Ether	2.80	73	144681	49.870	ug/L 99
19) 1,1-Dichloroethane	3.23	63	78976	49.056	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	53140	50.564	ug/L 100
22) 2-Butanone	4.02	43	61762	89.497	ug/L 97

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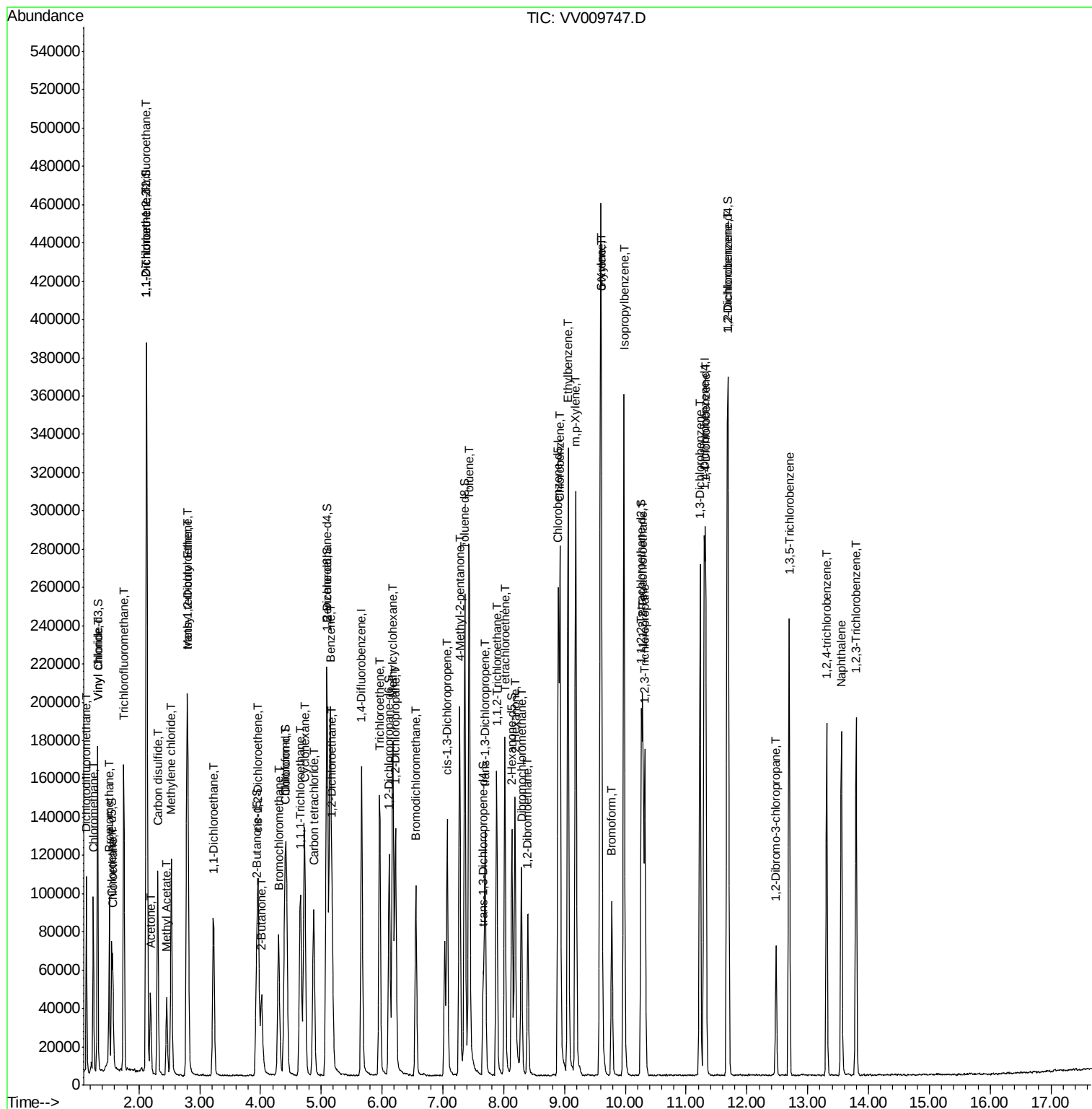
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26395	49.625	ug/L	95
25) Chloroform	4.42	83	88650	49.942	ug/L	100
27) 1,2-Dichloroethane	5.18	62	64274	48.664	ug/L	100
29) Cyclohexane	4.72	56	70758	45.410	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	75745	47.803	ug/L	98
31) Carbon tetrachloride	4.87	117	61830	47.234	ug/L	97
33) Benzene	5.15	78	192965	48.558	ug/L	100
34) Trichloroethene	5.96	95	48855	47.166	ug/L	94
35) Methylcyclohexane	6.17	83	76808	45.058	ug/L	98
37) 1,2-Dichloropropane	6.22	63	49054	48.405	ug/L	99
38) Bromodichloromethane	6.56	83	62555	46.974	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	72440	46.794	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	126665	95.190	ug/L	100
42) Toluene	7.43	91	217965	49.216	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	68093	46.449	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	51145	48.790	ug/L	96
46) Tetrachloroethene	8.02	164	39821	46.053	ug/L	98
48) 2-Hexanone	8.19	43	93449	94.345	ug/L	98
49) Dibromochloromethane	8.29	129	54831	48.758	ug/L	95
50) 1,2-Dibromoethane	8.40	107	53372	48.830	ug/L #	98
51) Chlorobenzene	8.93	112	141940	47.735	ug/L	98
52) Ethylbenzene	9.06	91	244176	48.611	ug/L	99
53) m,p-Xylene	9.18	106	92448	47.640	ug/L	94
54) o-Xylene	9.59	106	96556	49.480	ug/L	99
55) Styrene	9.61	104	153802	48.355	ug/L	93
56) Isopropylbenzene	9.98	105	240099	47.283	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	87716	48.152	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	65145	48.857	ug/L	100
61) Bromoform	9.78	173	38175	47.244	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	107195	48.067	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	105654	46.960	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	108688	47.764	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14975	47.379	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	69476	48.986	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	52362	52.675	ug/L	98
69) Naphthalene	13.55	128	140565	49.416	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	54218	54.406	ug/L	99

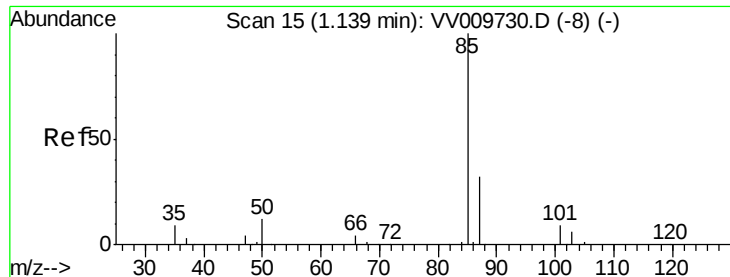
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.415 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

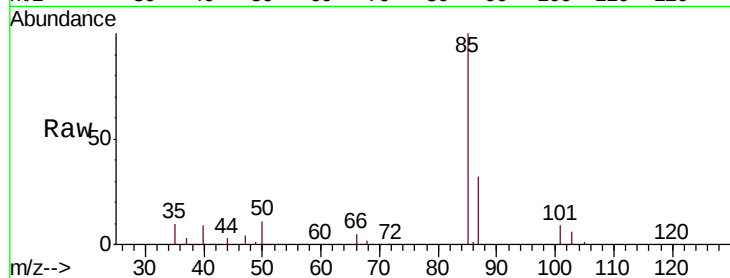
VSTD05083

Tgt Ion: 85 Resp: 51554

Ion Ratio Lower Upper

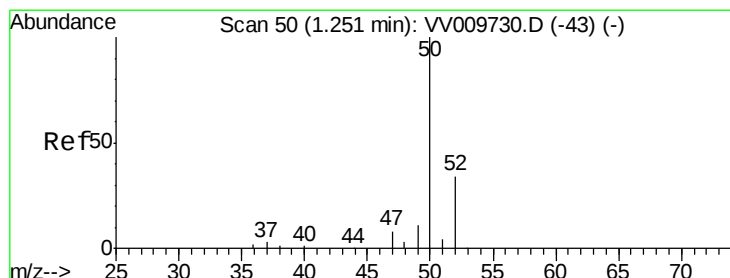
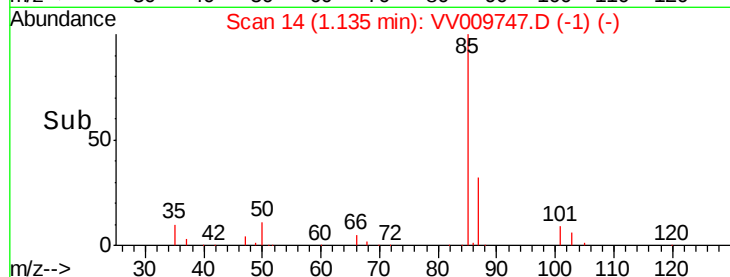
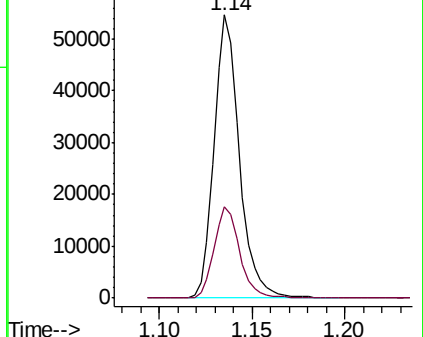
85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009730.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009730.D (-8) (-)



#3

Chloromethane

Concen: 49.485 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009747.D

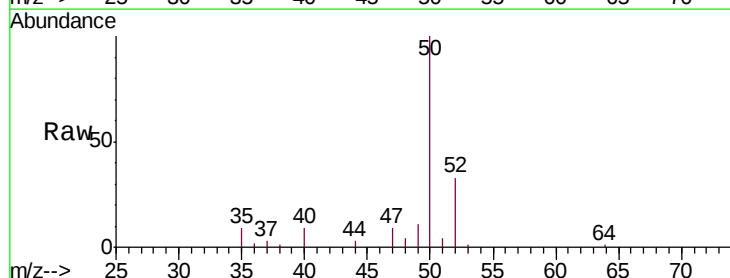
Acq: 16 Mar 2019 23:18

Tgt Ion: 50 Resp: 49174

Ion Ratio Lower Upper

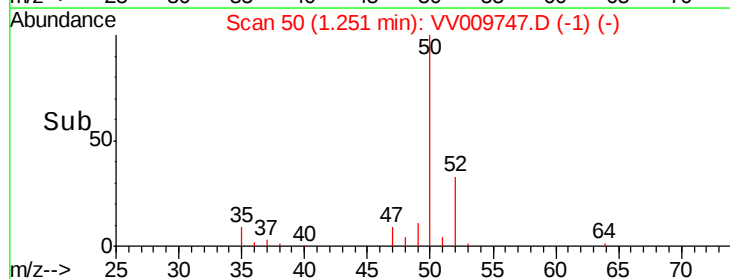
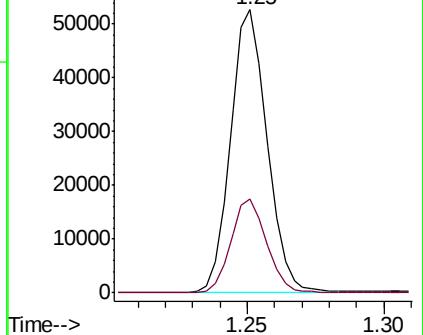
50 100

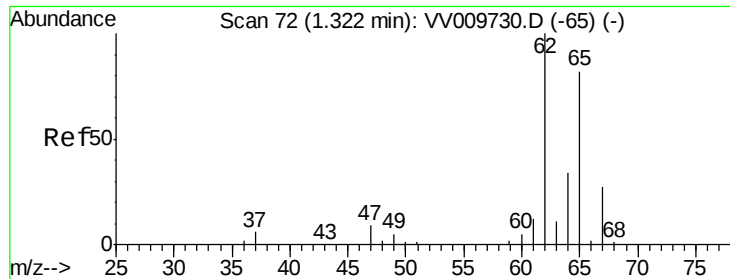
52 33.0 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009730.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009730.D (-43) (-)





#5

Vinyl chloride

Concen: 50.768 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

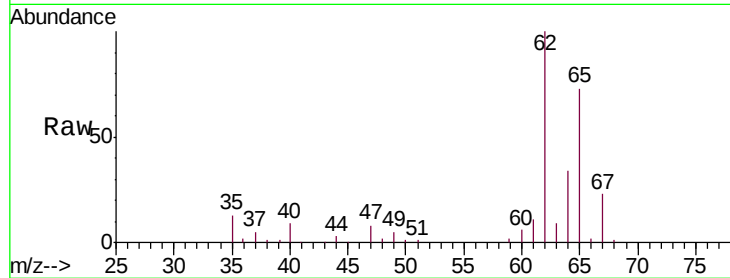
VSTD05083

Tgt Ion: 62 Resp: 54176

Ion Ratio Lower Upper

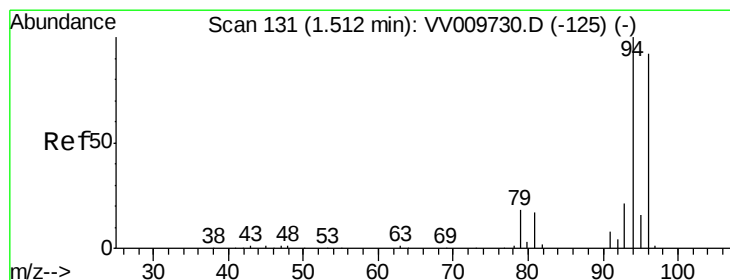
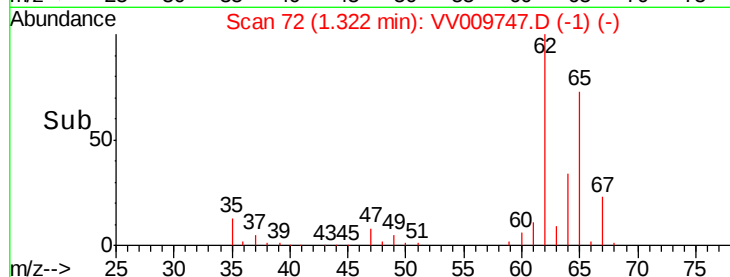
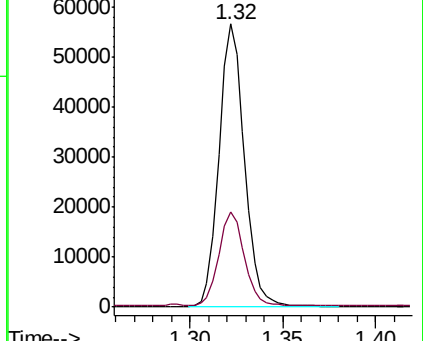
62 100

64 33.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV009730.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009730.D (-65) (-)



#6

Bromomethane

Concen: 46.809 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009747.D

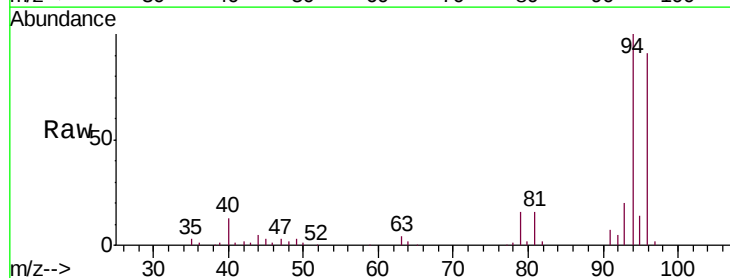
Acq: 16 Mar 2019 23:18

Tgt Ion: 94 Resp: 26602

Ion Ratio Lower Upper

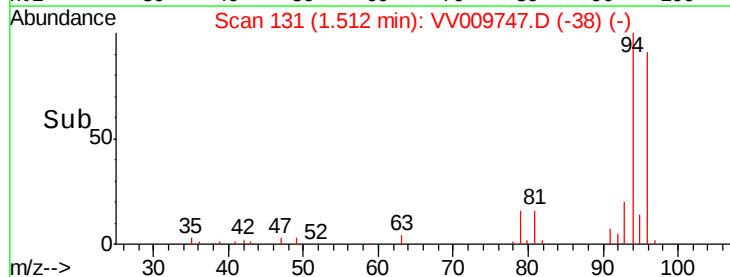
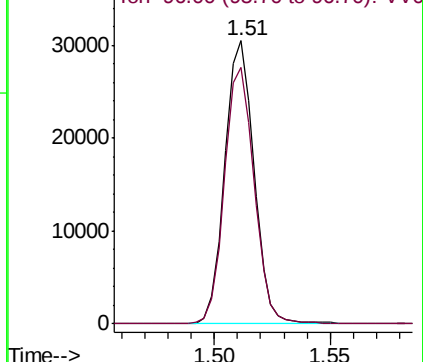
94 100

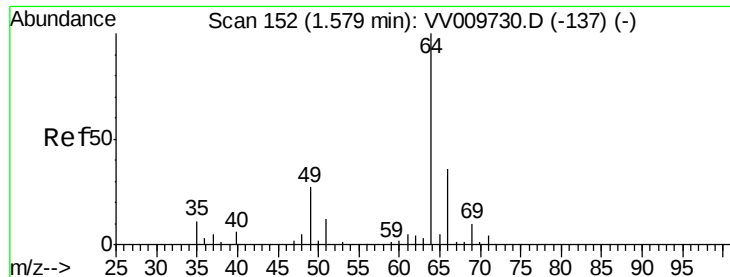
96 90.7 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009730.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009730.D (-125) (-)





#8

Chloroethane

Concen: 49.525 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

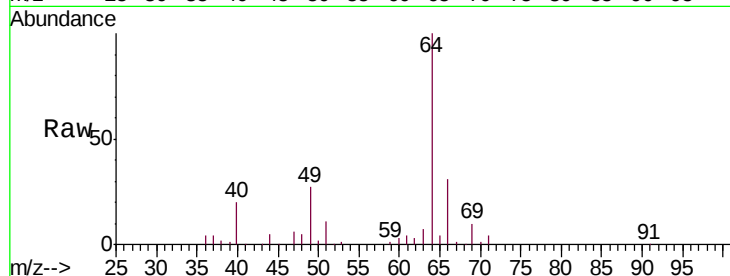
VSTD05083

Tgt Ion: 64 Resp: 32127

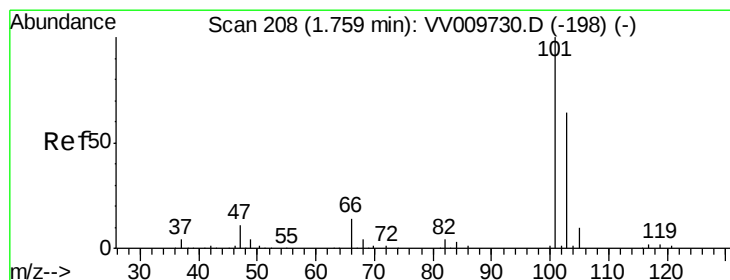
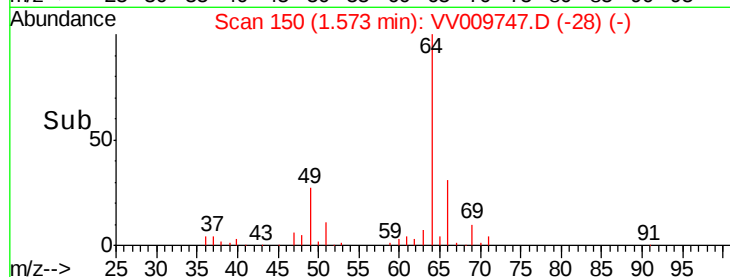
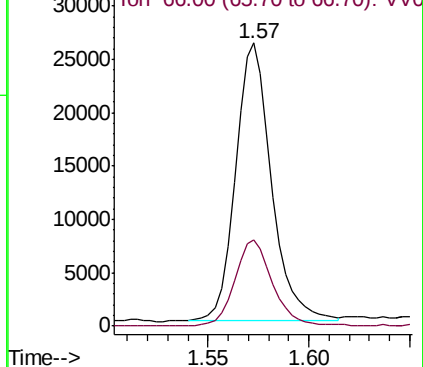
Ion Ratio Lower Upper

64 100

66 30.7 24.5 45.5



Abundance Ion 64.00 (63.70 to 64.70): VV009747.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 49.154 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV009747.D

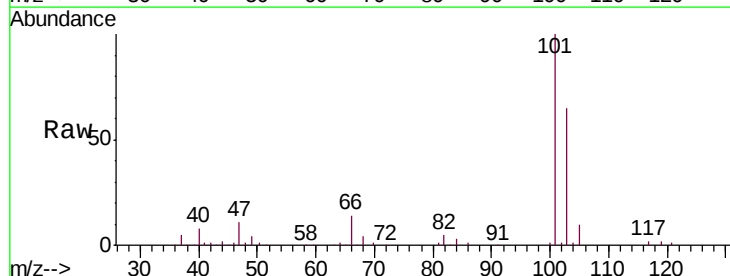
Acq: 16 Mar 2019 23:18

Tgt Ion: 101 Resp: 87828

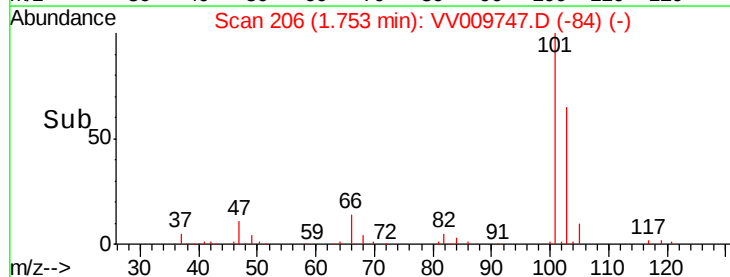
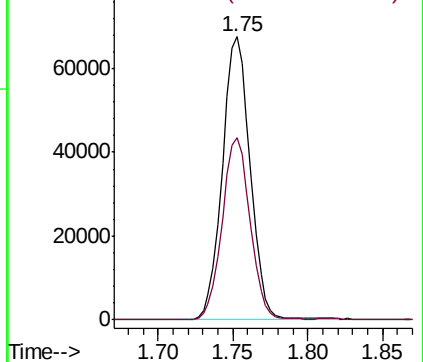
Ion Ratio Lower Upper

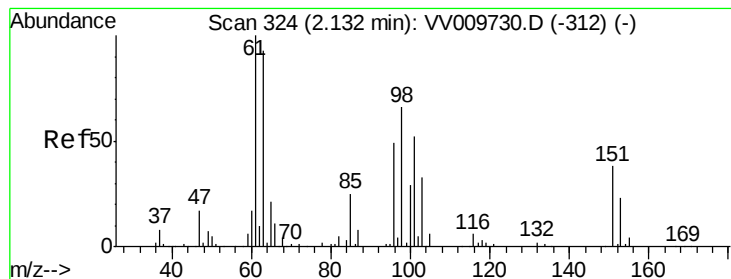
101 100

103 64.3 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009747.D (-198) (-)





#10

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

Concen: 47.598 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009747.D

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ClientSampleId :

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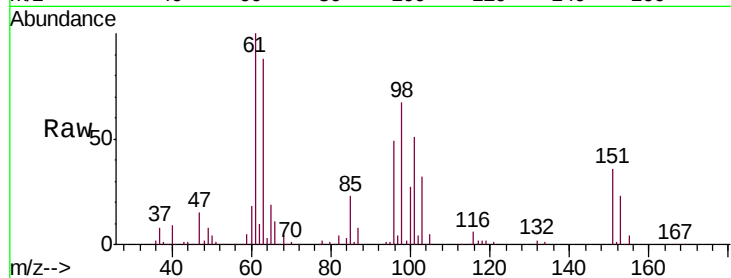
Tgt Ion: 101 Resp: 47068

Ion Ratio Lower Upper

101 100

85 46.5 38.5 57.7

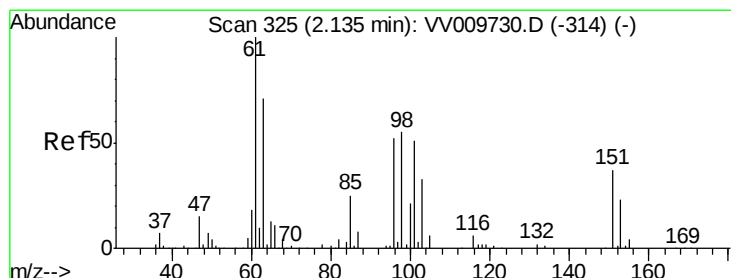
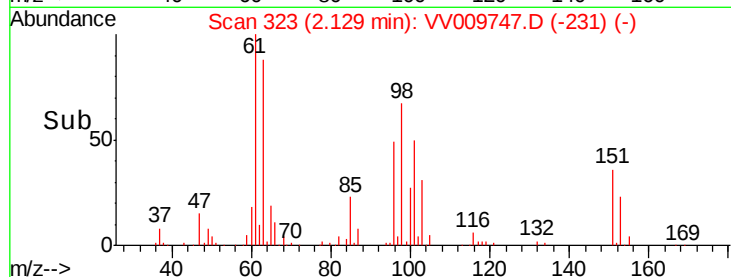
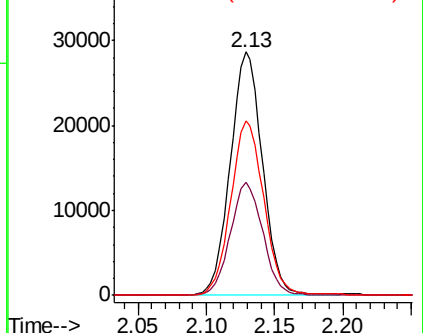
151 73.6 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009730.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009730.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009730.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 48.671 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

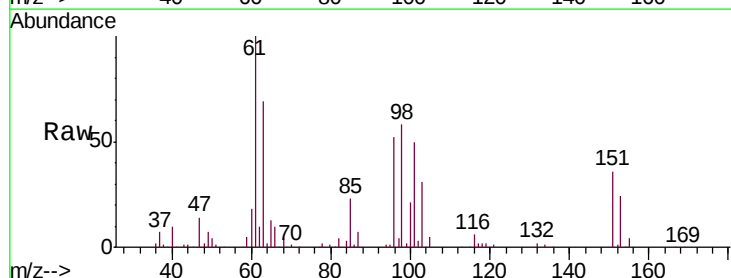
Tgt Ion: 96 Resp: 41713

Ion Ratio Lower Upper

96 100

61 194.2 135.5 251.7

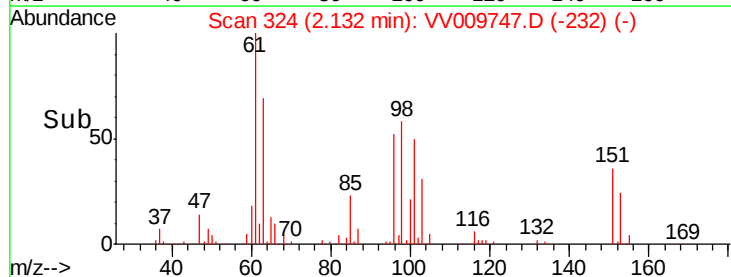
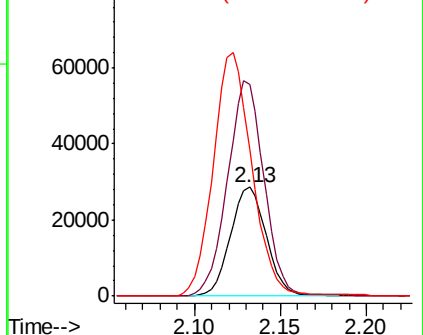
63 134.6 100.2 186.2

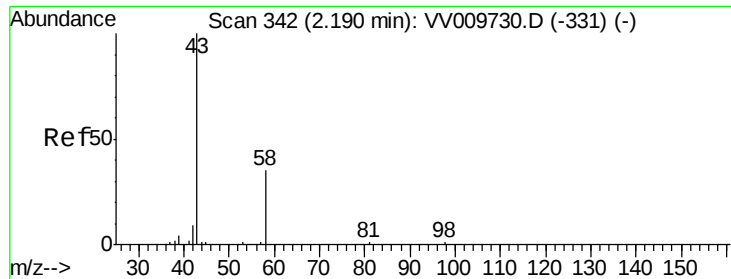


Abundance Ion 96.00 (95.70 to 96.70): VV009730.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009730.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009730.D (-314) (-)





#13

Acetone

Concen: 70.363 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampled :

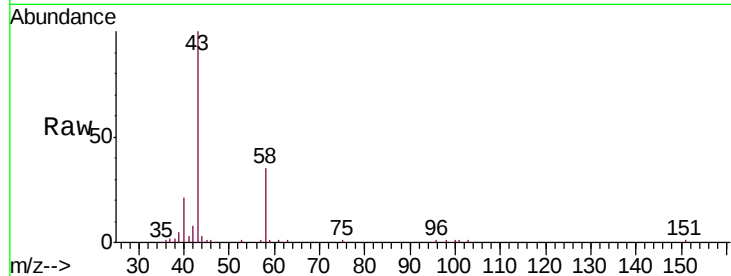
VSTD05083

Tgt Ion: 43 Resp: 38476

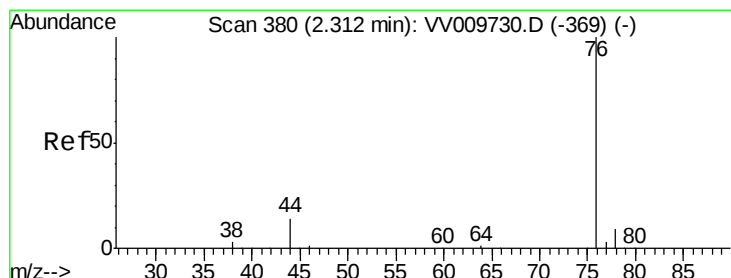
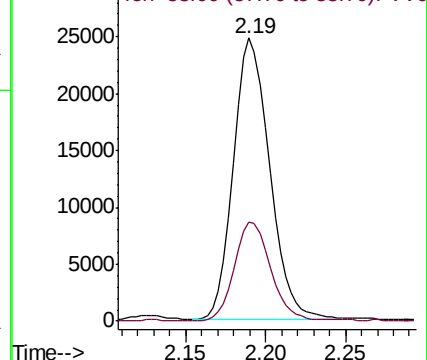
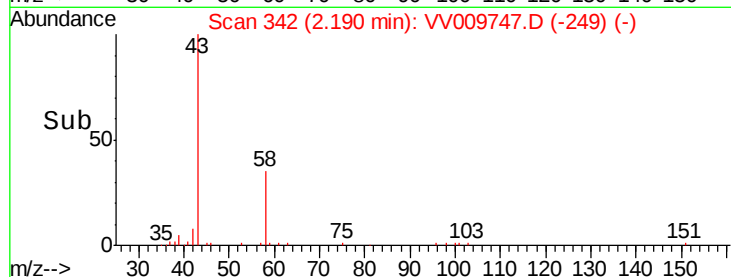
Ion Ratio Lower Upper

43 100

58 34.9 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009747.D (-249) (-)



#14

Carbon disulfide

Concen: 48.010 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV009747.D

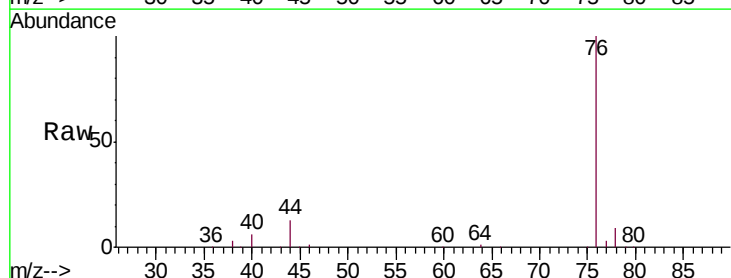
Acq: 16 Mar 2019 23:18

Tgt Ion: 76 Resp: 119986

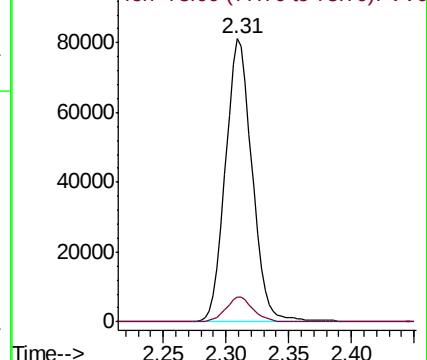
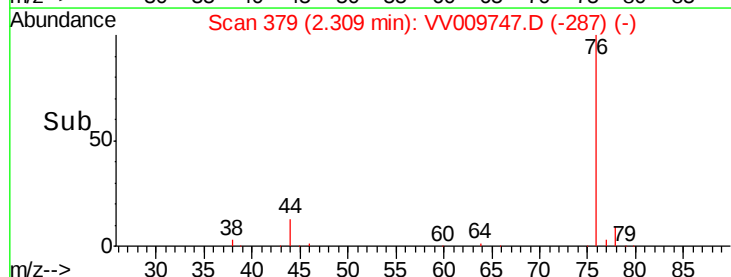
Ion Ratio Lower Upper

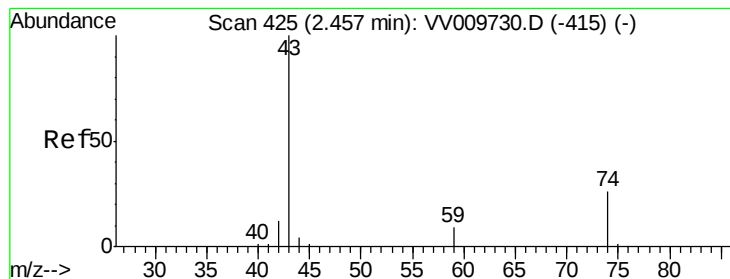
76 100

78 8.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV009747.D (-287) (-)





#15

Methyl Acetate

Concen: 46.334 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

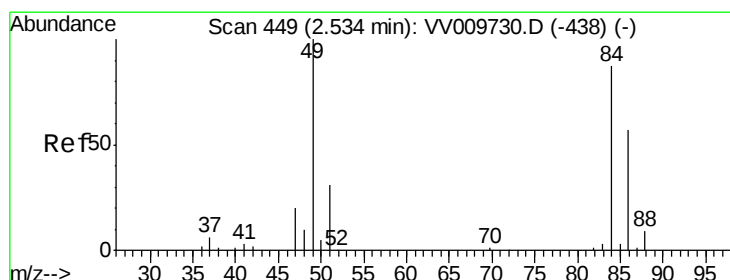
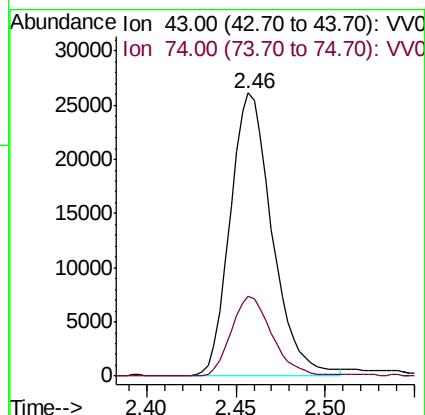
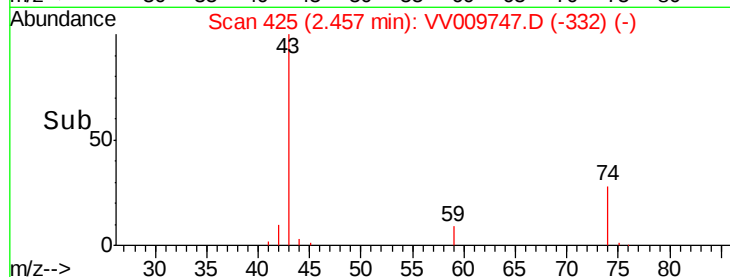
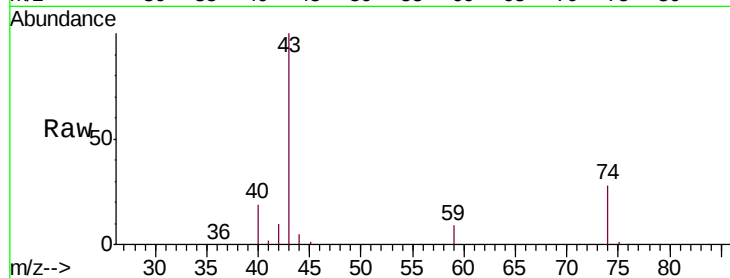
VSTD05083

Tgt Ion: 43 Resp: 42727

Ion Ratio Lower Upper

43 100

74 27.3 21.3 31.9



#16

Methylene chloride

Concen: 49.657 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

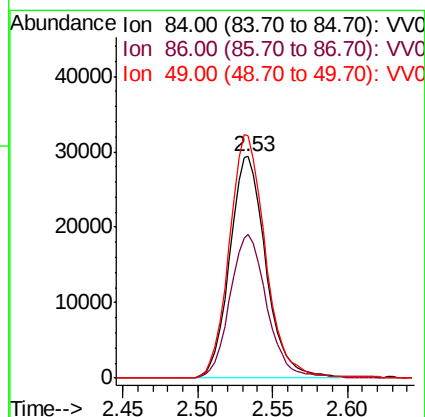
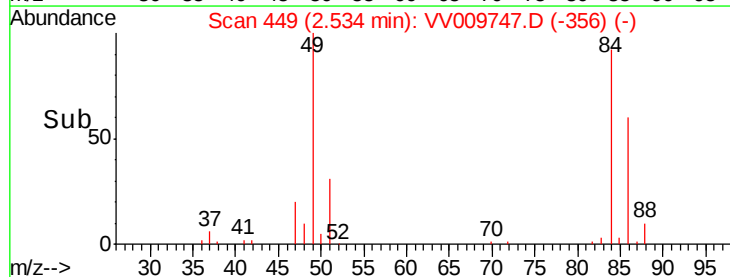
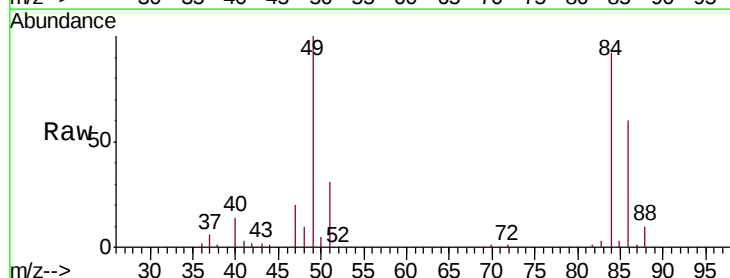
Tgt Ion: 84 Resp: 49444

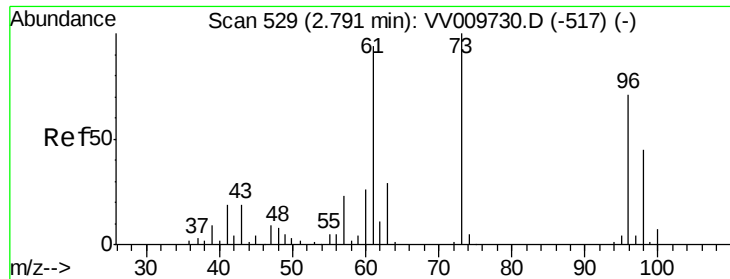
Ion Ratio Lower Upper

84 100

86 65.2 45.8 85.2

49 109.2 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 49.632 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

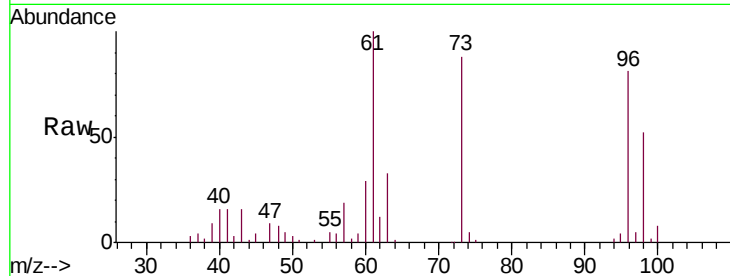
Tgt Ion: 96 Resp: 45557

Ion Ratio Lower Upper

96 100

61 122.9 92.0 170.9

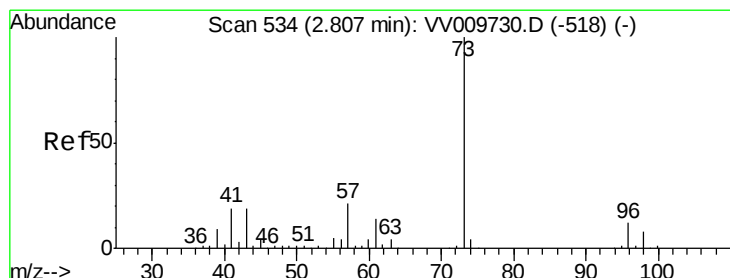
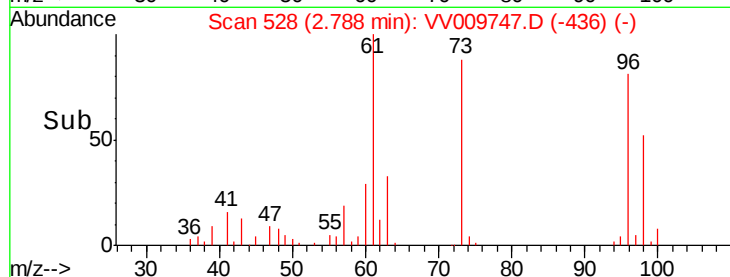
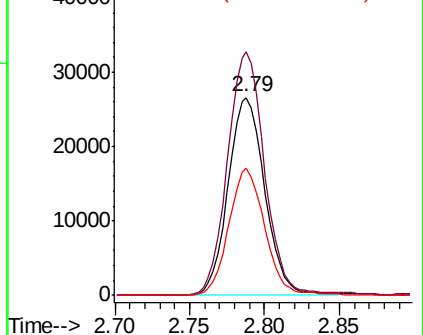
98 64.1 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV009730.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009730.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009730.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 49.870 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

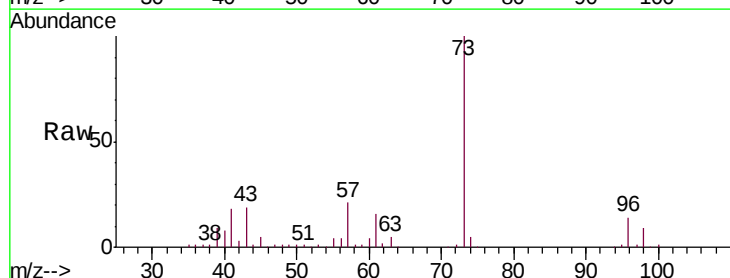
Tgt Ion: 73 Resp: 144681

Ion Ratio Lower Upper

73 100

43 18.5 15.2 22.8

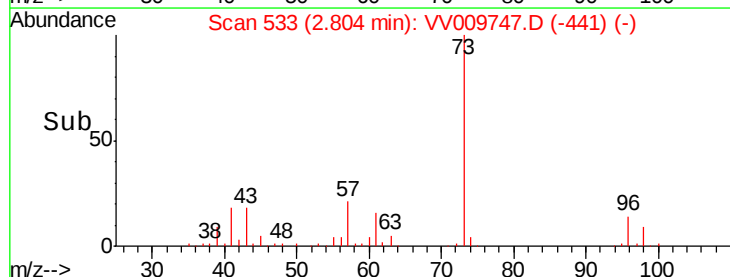
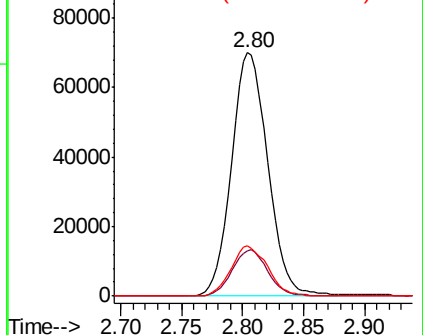
57 20.7 17.1 25.7

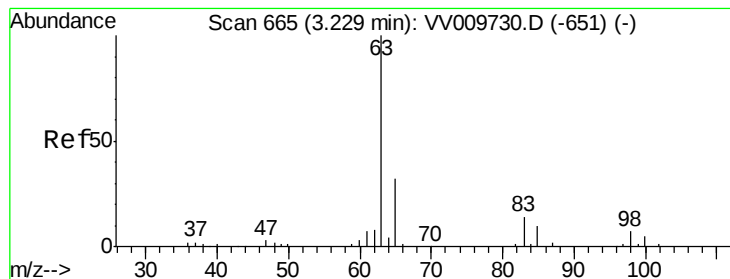


Abundance Ion 73.00 (72.70 to 73.70): VV009730.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009730.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009730.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 49.056 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

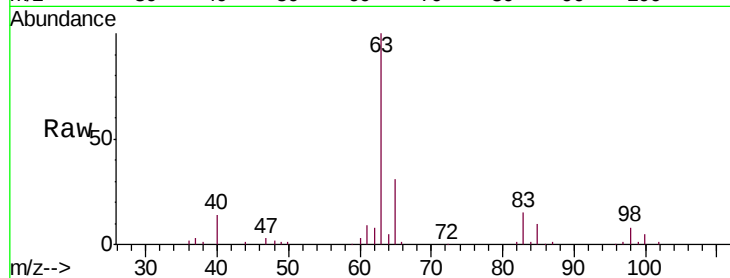
Tgt Ion: 63 Resp: 78976

Ion Ratio Lower Upper

63 100

65 31.4 22.7 42.3

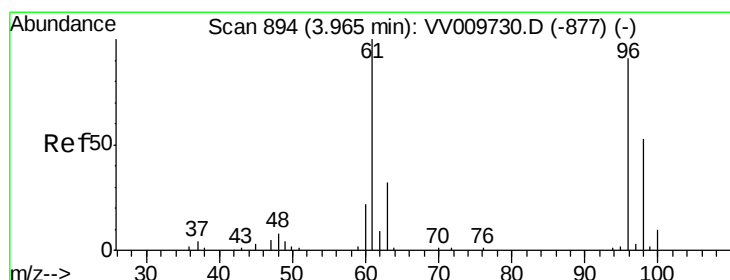
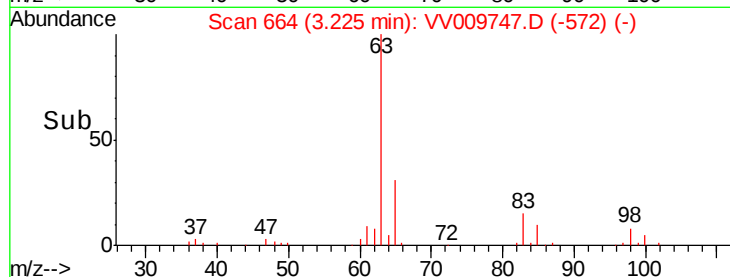
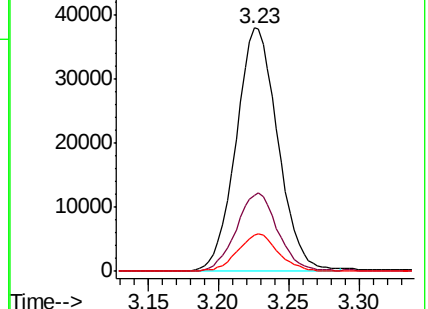
83 14.8 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VV009747.D (-664) (-)

Ion 65.00 (64.70 to 65.70): VV009747.D (-664) (-)

Ion 83.00 (82.70 to 83.70): VV009747.D (-664) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.564 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

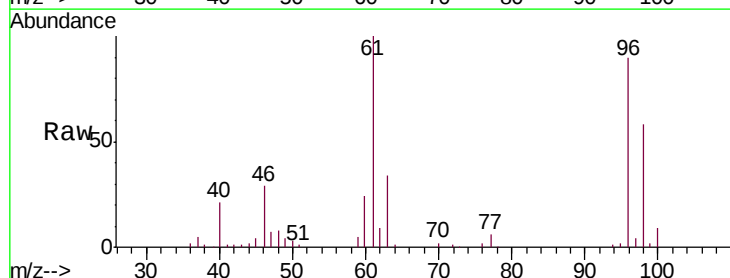
Tgt Ion: 96 Resp: 53140

Ion Ratio Lower Upper

96 100

61 111.1 77.5 143.9

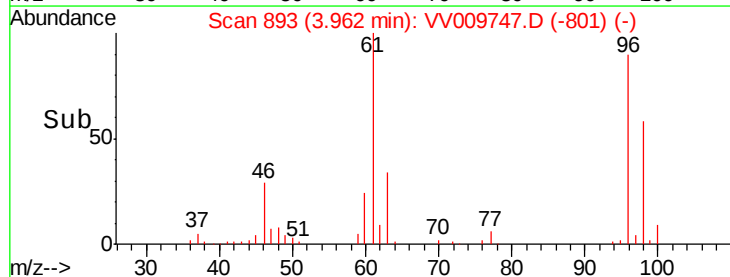
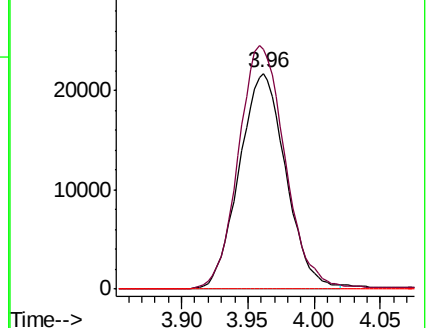
68 0.0 0.0 0.0

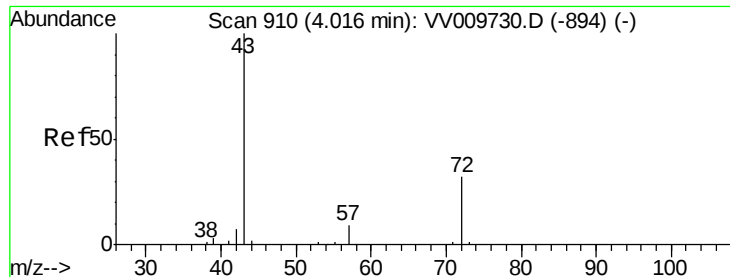


Abundance Ion 96.00 (95.70 to 96.70): VV009747.D (-893) (-)

Ion 61.00 (60.70 to 61.70): VV009747.D (-893) (-)

Ion 68.00 (67.70 to 68.70): VV009747.D (-893) (-)





#22

2-Butanone

Concen: 89.497 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

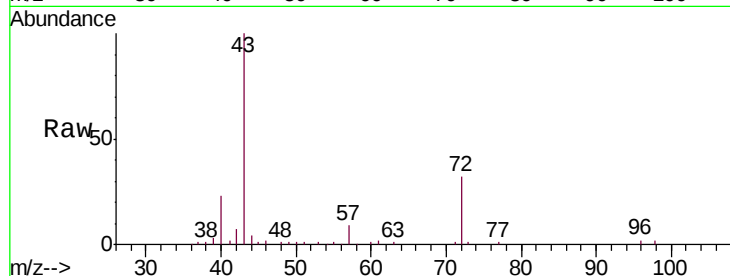
VSTD05083

Tgt Ion: 43 Resp: 61762

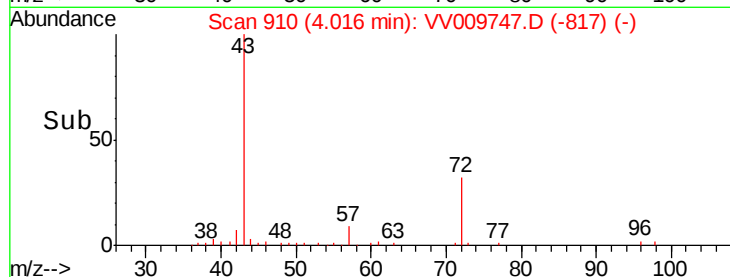
Ion Ratio Lower Upper

43 100

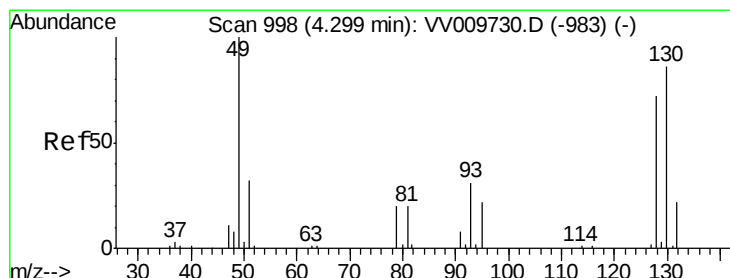
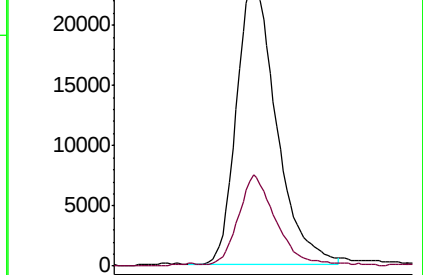
72 28.2 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009747.D (-817) (-)



Ion 72.00 (71.70 to 72.70): VV009747.D (-817) (-)



#23

Bromochloromethane

Concen: 49.625 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Tgt Ion: 128 Resp: 26395

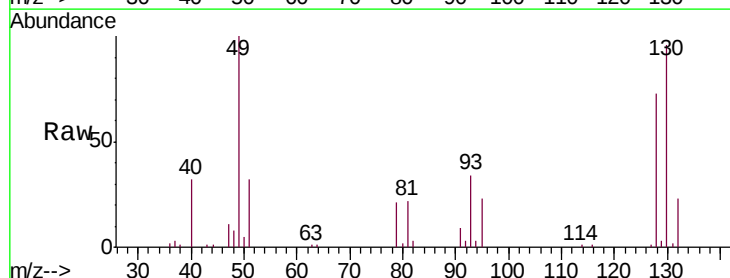
Ion Ratio Lower Upper

128 100

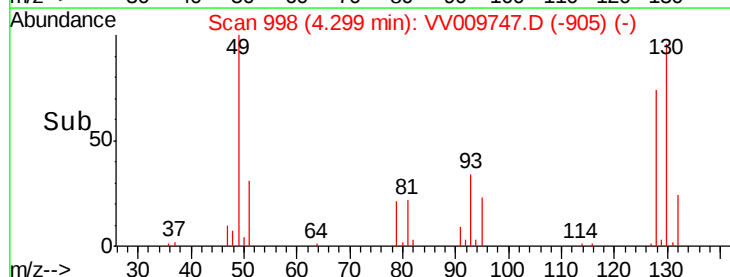
49 136.3 98.0 182.0

130 130.2 84.5 156.9

51 43.6 35.8 53.8

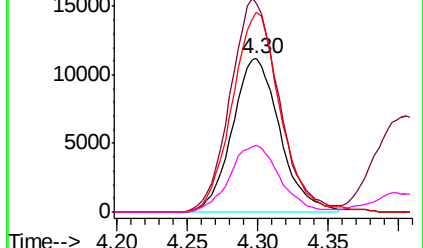


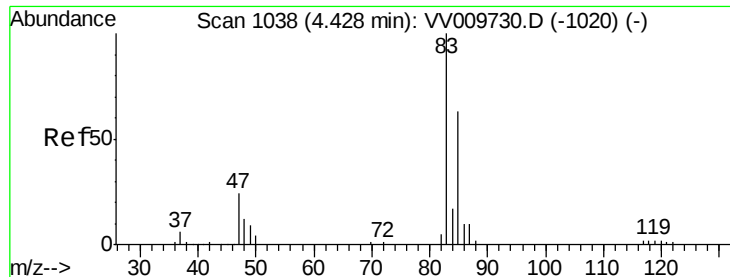
Abundance Ion 128.00 (127.70 to 128.70): VV009747.D (-905) (-)



Ion 49.00 (48.70 to 49.70): VV009747.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV009747.D (-905) (-)

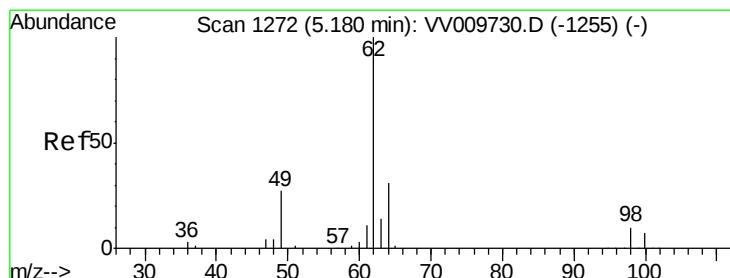
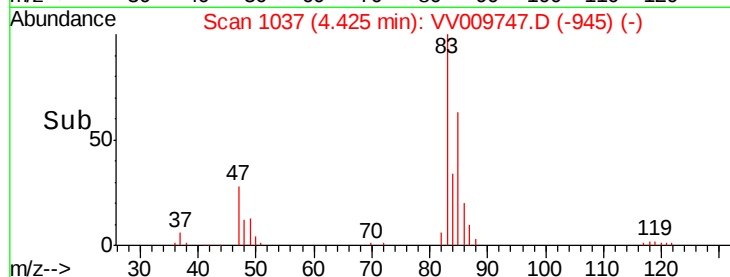
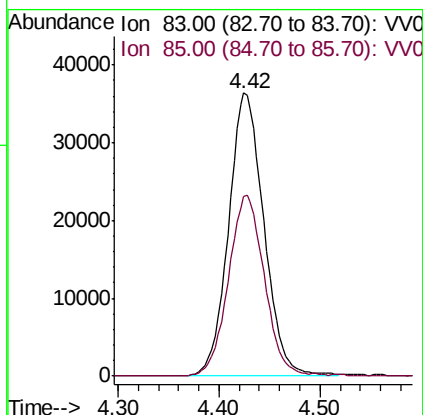
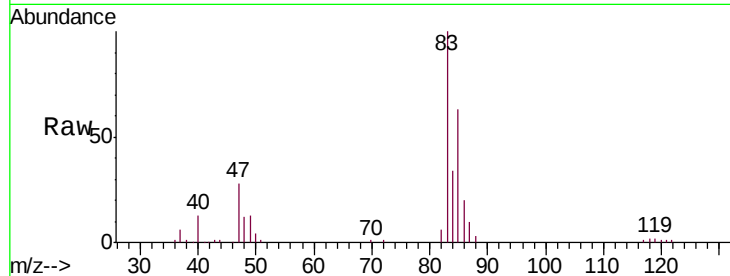




#25
Chloroform
Concen: 49.942 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

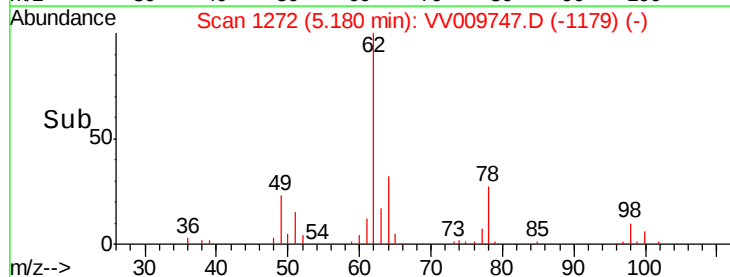
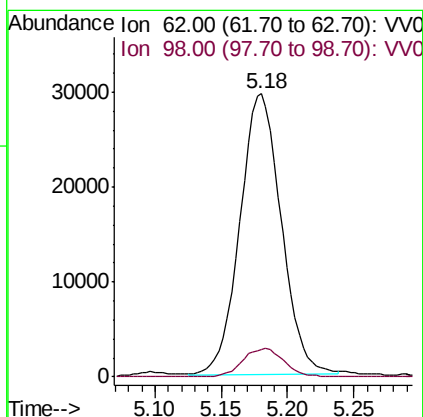
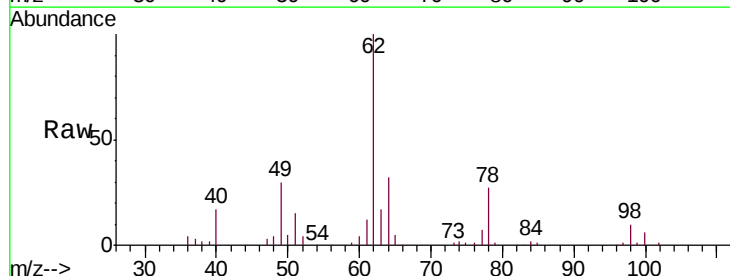
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

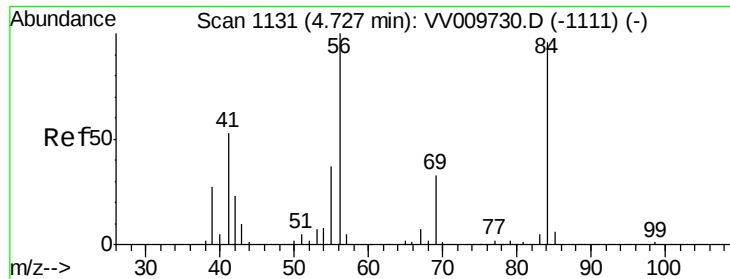
Tgt Ion: 83 Resp: 88650
Ion Ratio Lower Upper
83 100
85 63.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.664 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Tgt Ion: 62 Resp: 64274
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6

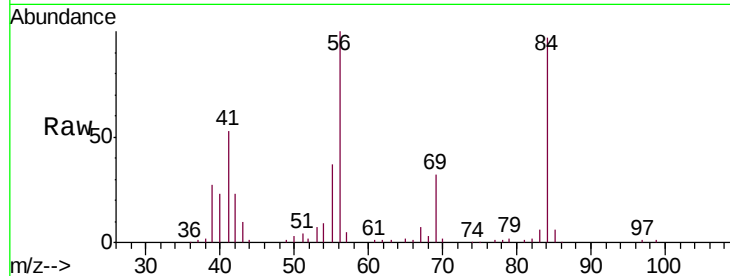




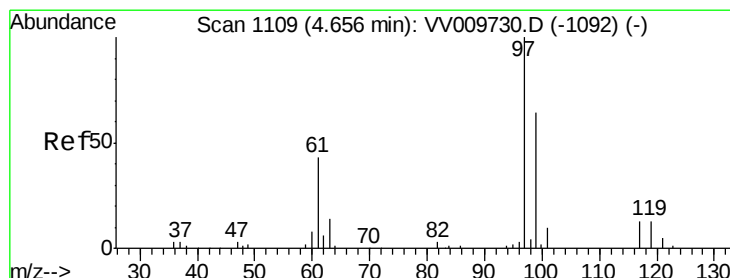
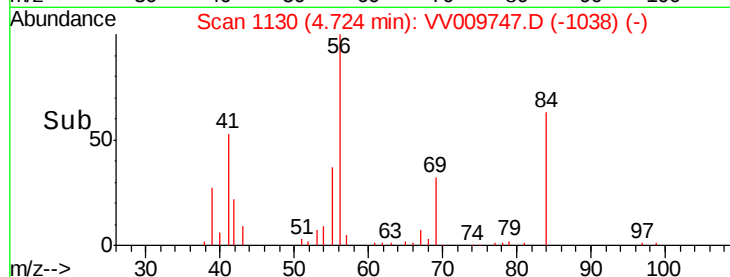
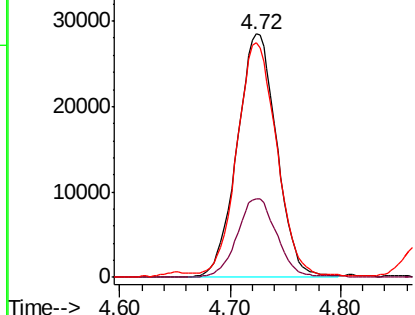
#29
Cyclohexane
Concen: 45.410 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tgt Ion: 56 Resp: 70758
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.6
84 97.0 75.8 113.6

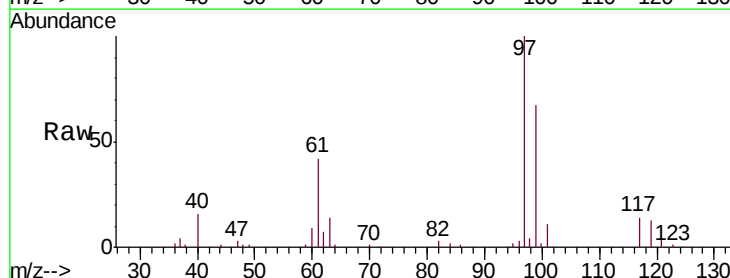


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

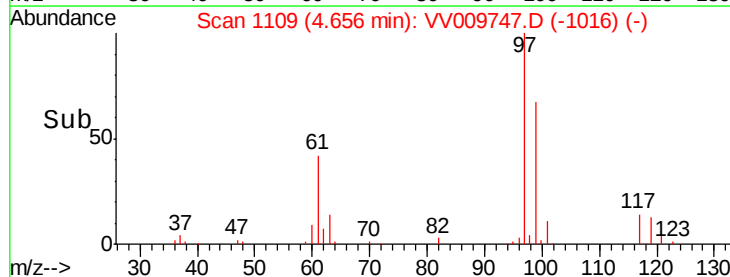
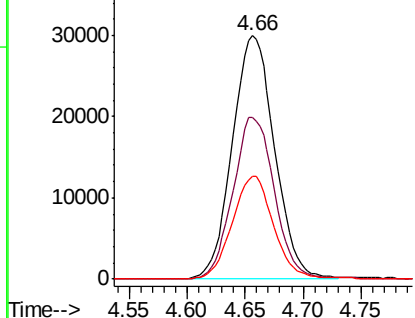


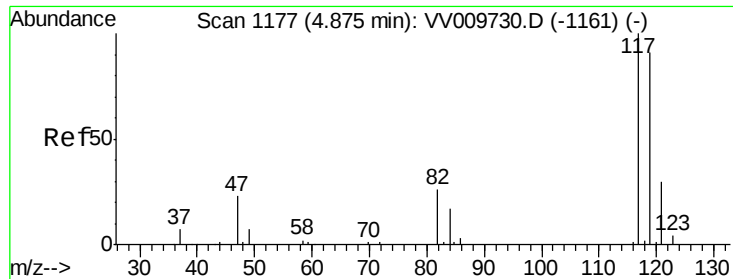
#30
1,1,1-Trichloroethane
Concen: 47.803 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Tgt Ion: 97 Resp: 75745
Ion Ratio Lower Upper
97 100
99 65.2 50.9 76.3
61 41.1 33.9 50.9



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: 47.234 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

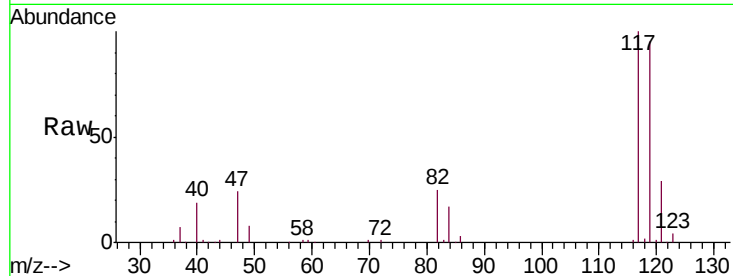
VSTD05083

Tgt Ion:117 Resp: 61830

Ion Ratio Lower Upper

117 100

119 96.3 74.9 112.3

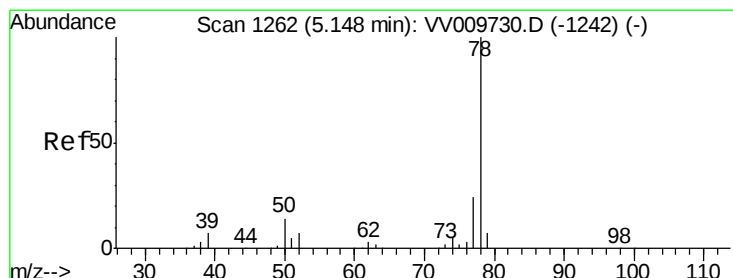
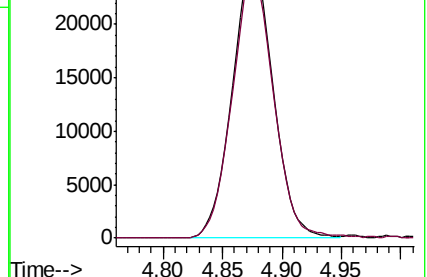
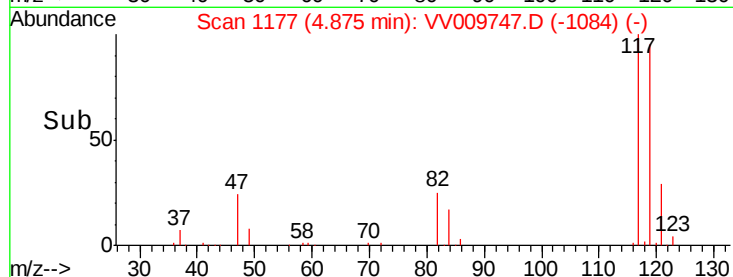


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

Time-->



#33

Benzene

Concen: 48.558 ug/L

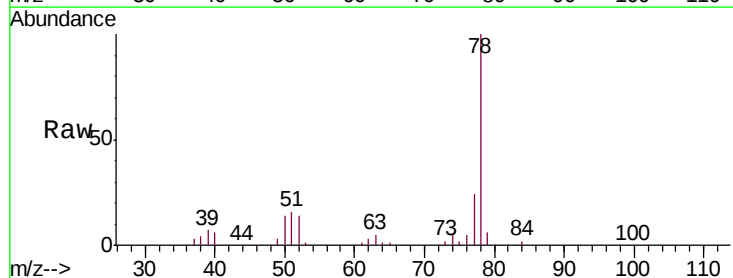
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

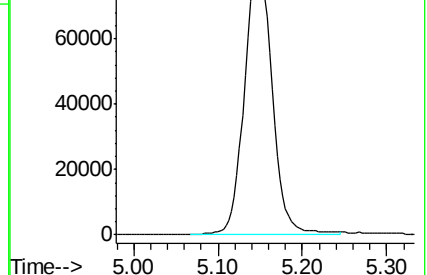
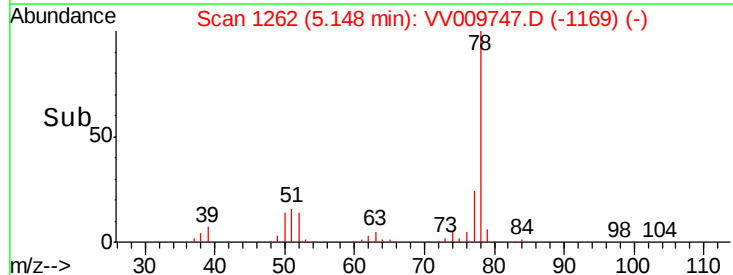
Tgt Ion: 78 Resp: 192965

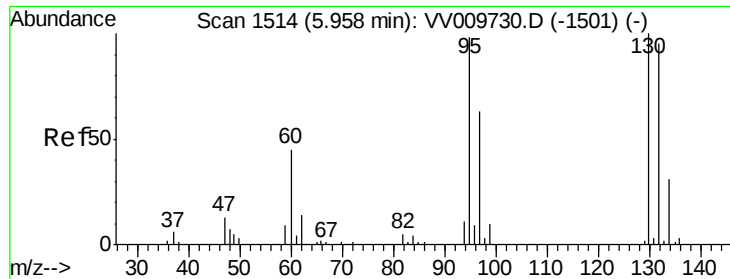


Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

Time-->





#34

Trichloroethene

Concen: 47.166 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

Tgt Ion: 95 Resp: 48855

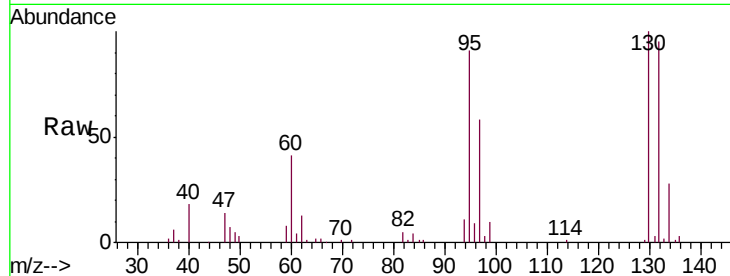
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 104.8 68.0 126.2

130 109.8 71.3 132.3

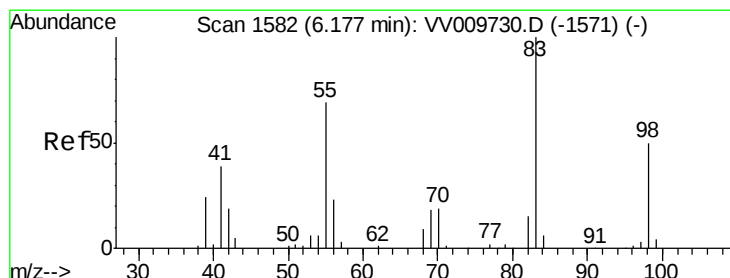
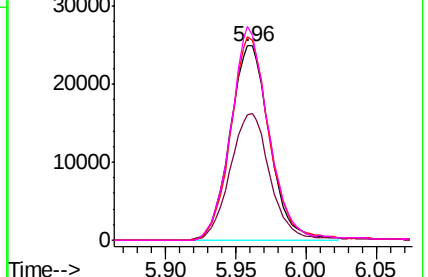
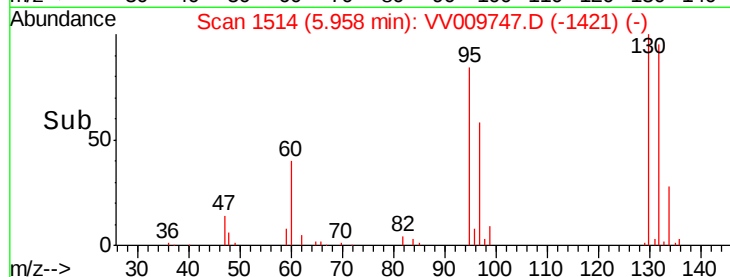


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 45.058 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

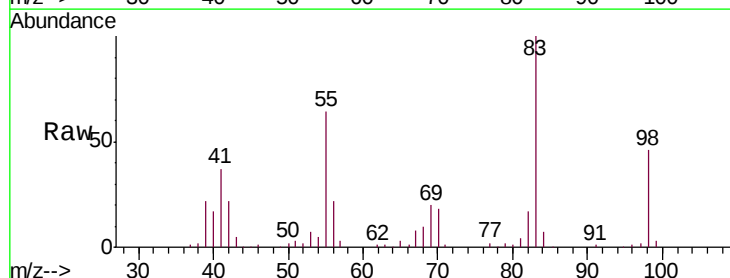
Tgt Ion: 83 Resp: 76808

Ion Ratio Lower Upper

83 100

55 69.4 54.2 81.4

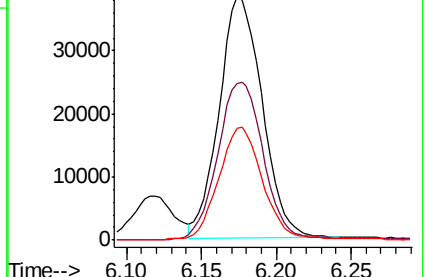
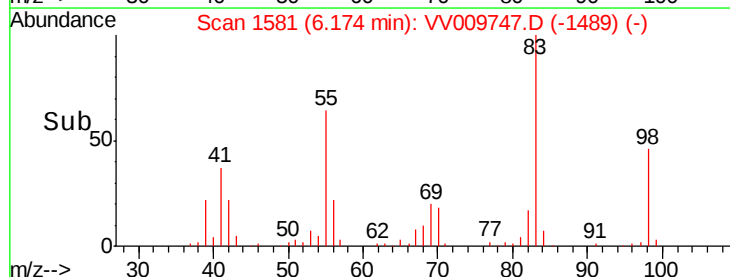
98 47.5 38.4 57.6

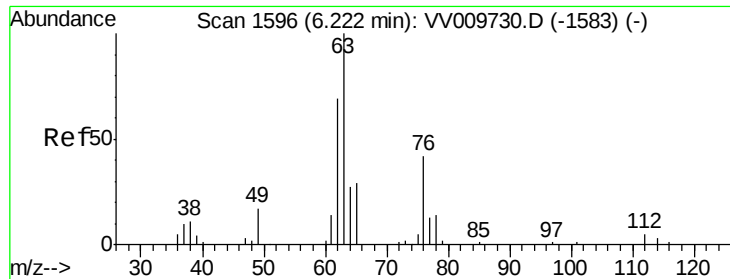


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

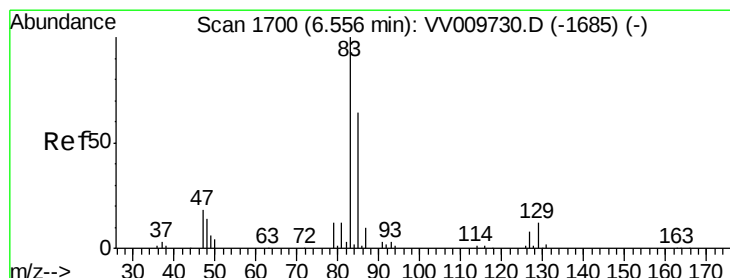
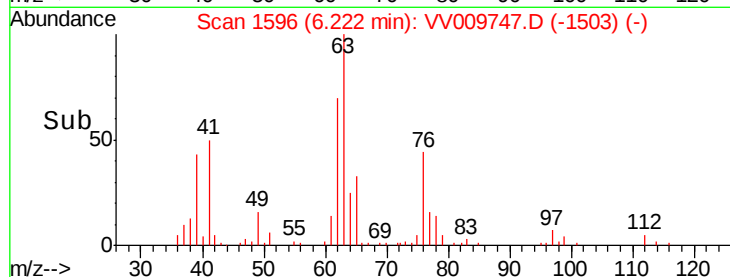
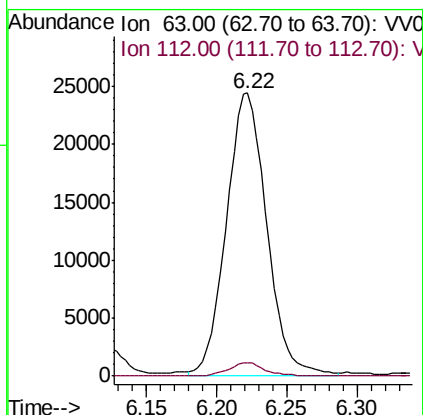
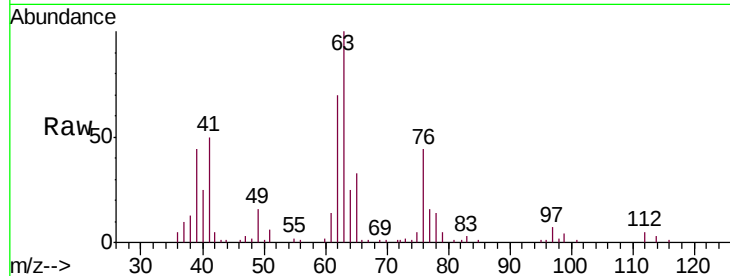




#37
 1,2-Dichloropropane
 Concen: 48.405 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

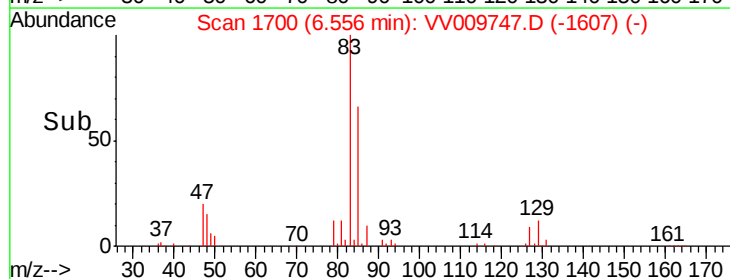
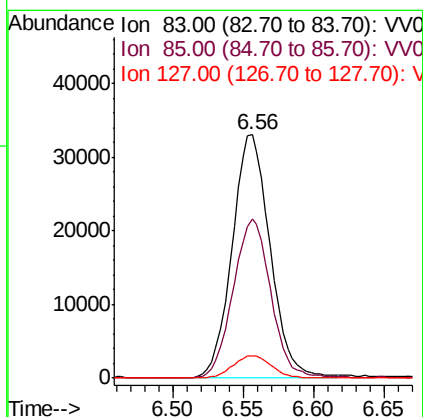
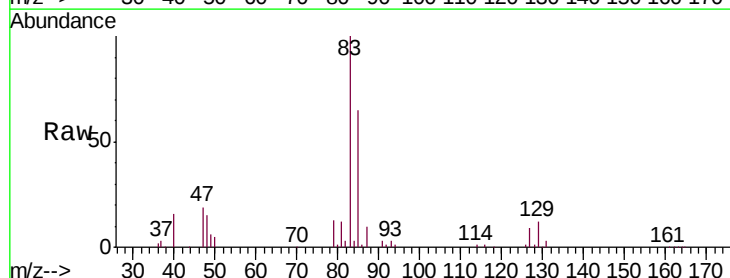
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

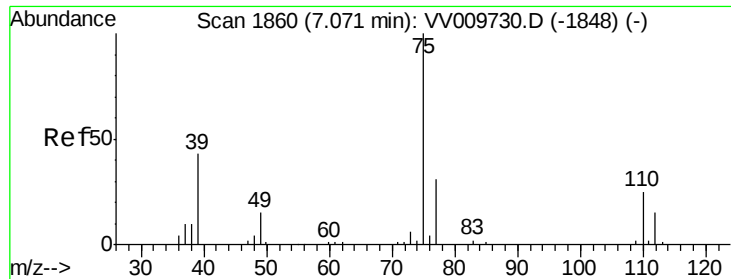
Tgt Ion: 63 Resp: 49054
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 46.974 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

Tgt Ion: 83 Resp: 62555
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.9 83.5
 127 9.4 6.7 10.1

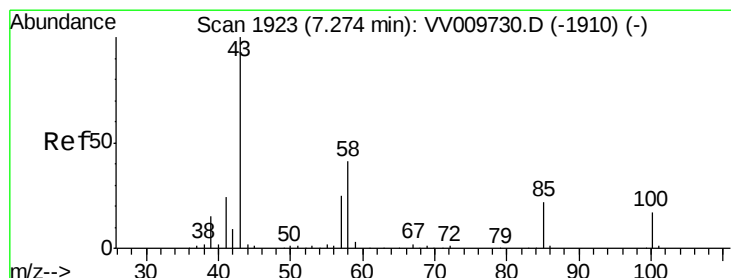
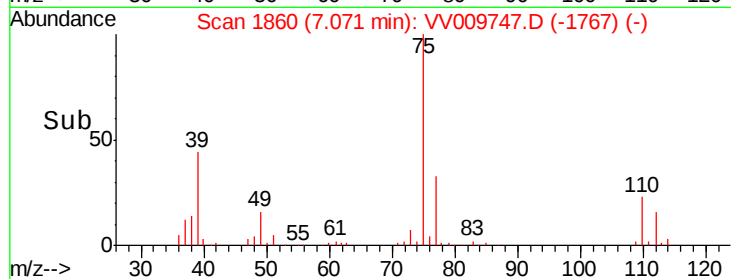
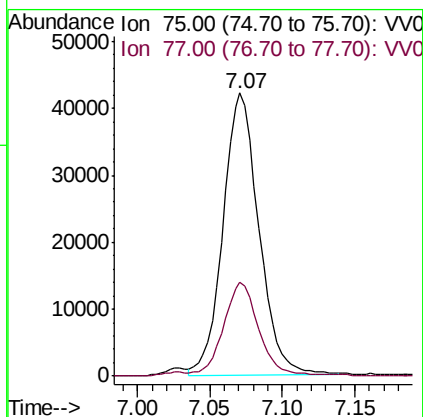
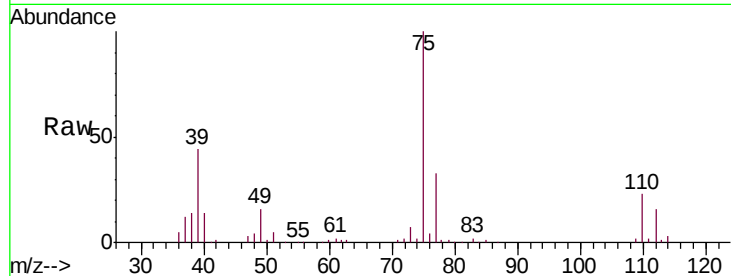




#39
 cis-1,3-Dichloropropene
 Concen: 46.794 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

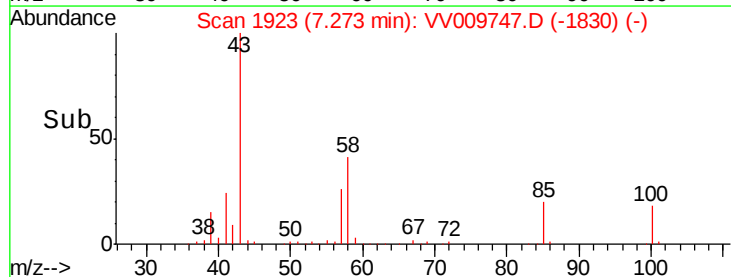
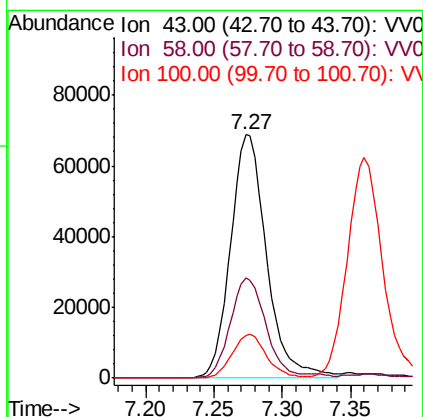
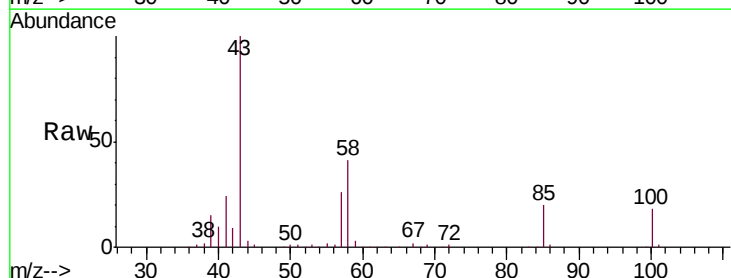
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

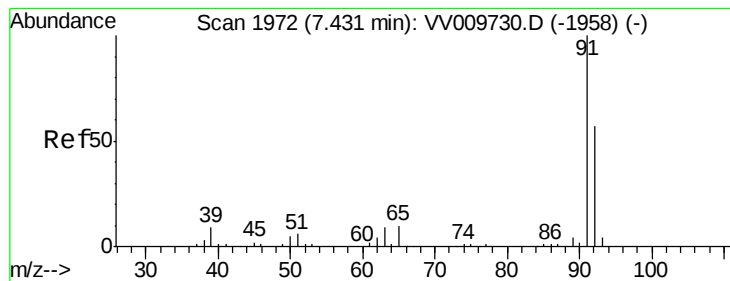
Tgt Ion: 75 Resp: 72440
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 95.190 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

Tgt Ion: 43 Resp: 126665
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.3 48.5
 100 17.2 13.7 20.5





#42

Toluene

Concen: 49.216 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

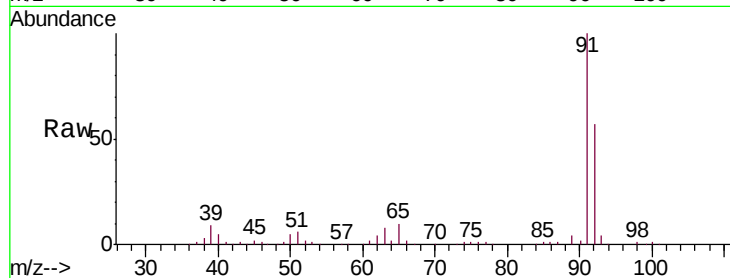
VSTD05083

Tgt Ion: 91 Resp: 217965

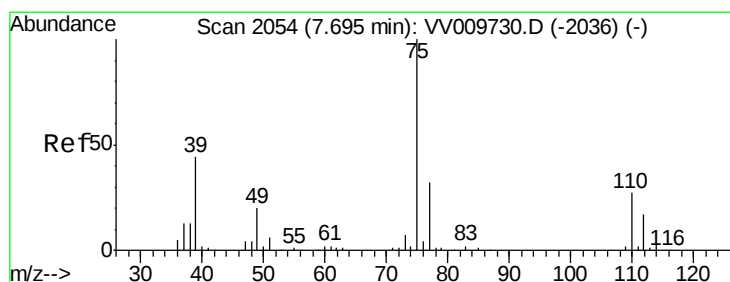
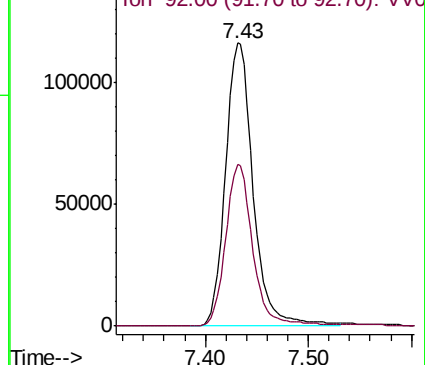
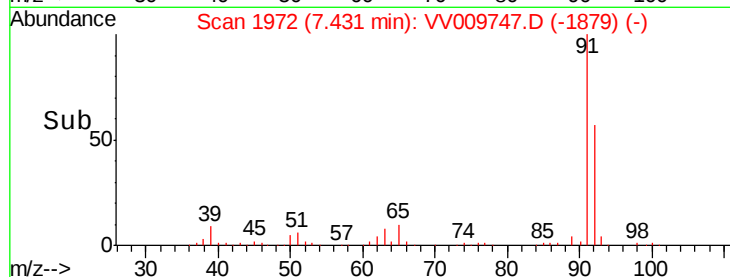
Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009747.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 46.449 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009747.D

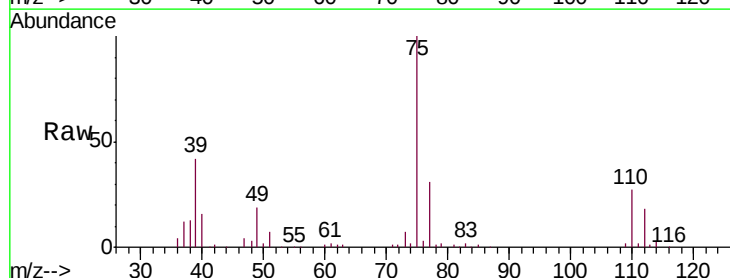
Acq: 16 Mar 2019 23:18

Tgt Ion: 75 Resp: 68093

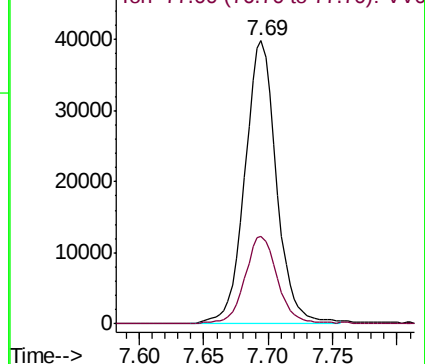
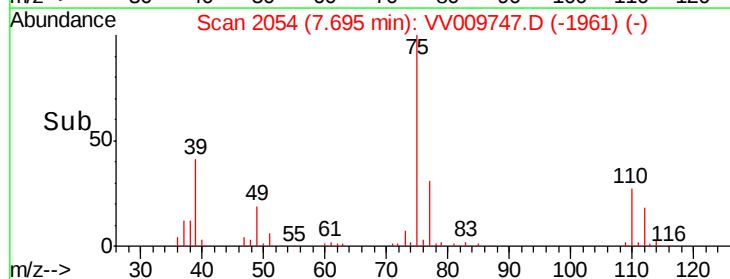
Ion Ratio Lower Upper

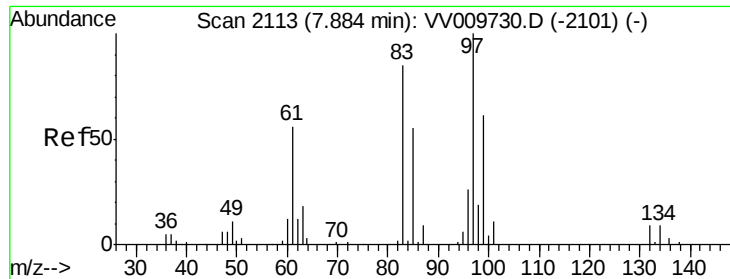
75 100

77 31.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009747.D (-1961) (-)

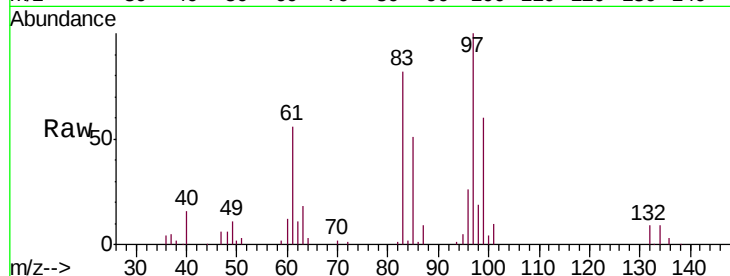




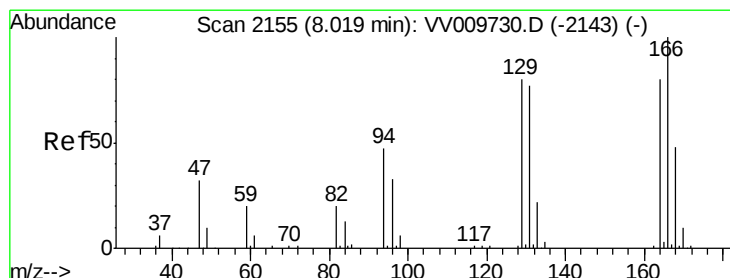
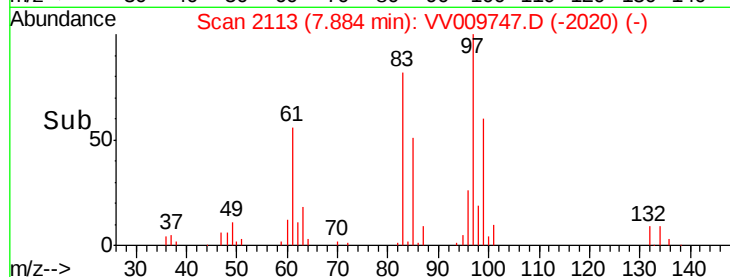
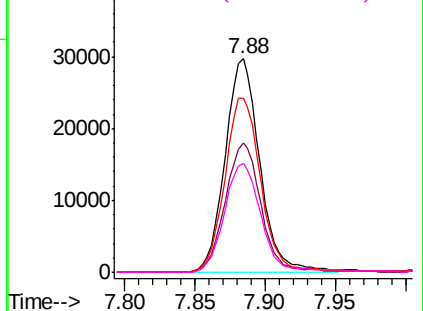
#45
1,1,2-Trichloroethane
Concen: 48.790 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tgt Ion:	97	Resp:	51145
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.8	79.6
83	81.8	59.7	110.9
85	50.9	38.7	71.9

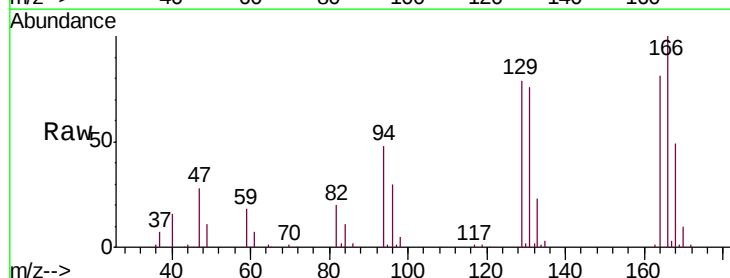


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

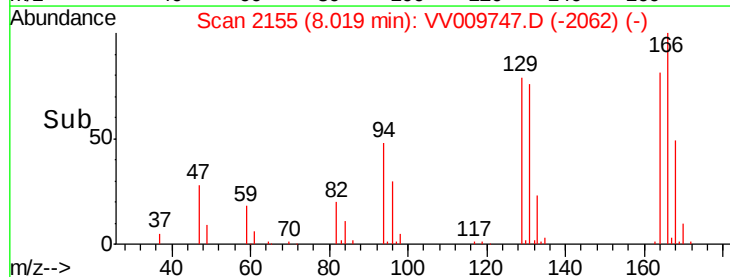
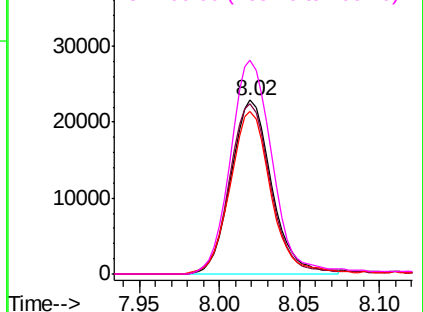


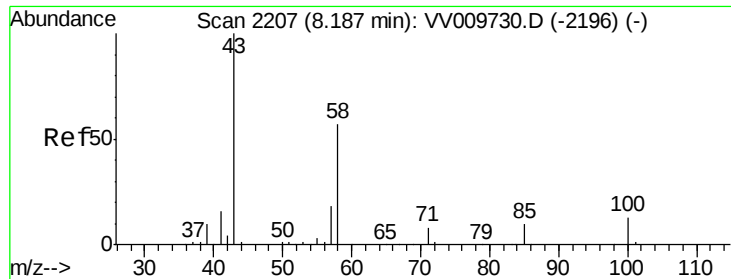
#46
Tetrachloroethene
Concen: 46.053 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Tgt Ion:	164	Resp:	39821
Ion	Ratio	Lower	Upper
164	100		
129	97.9	70.0	130.0
131	93.9	67.5	125.4
166	123.1	88.0	163.4



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

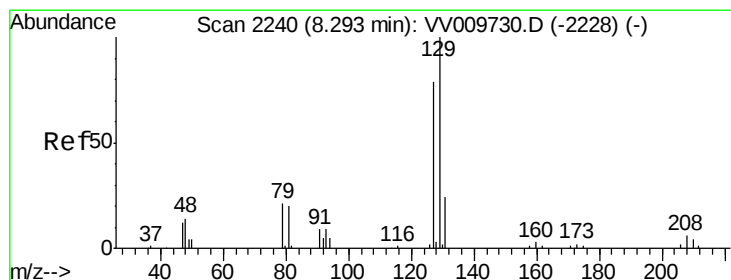
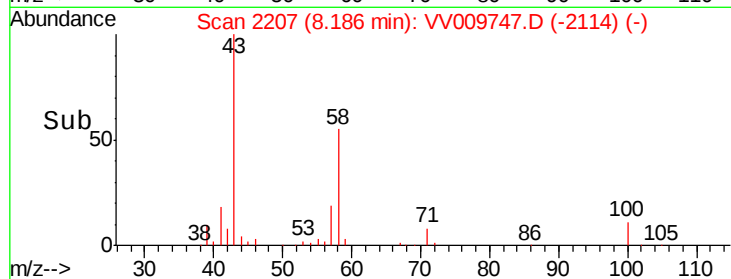
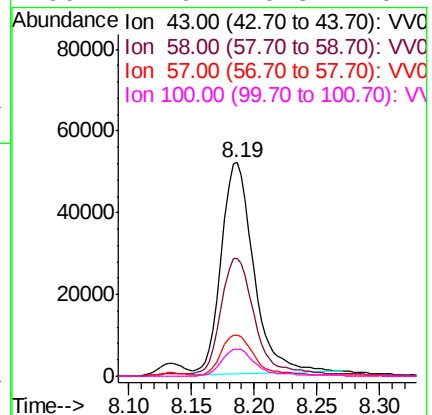
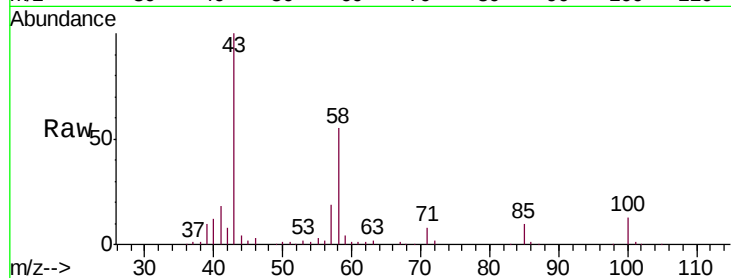




#48
2-Hexanone
Concen: 94.345 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

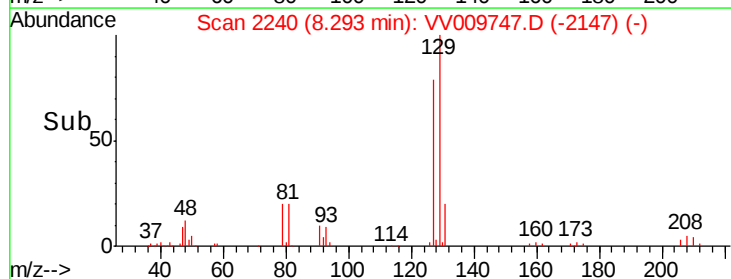
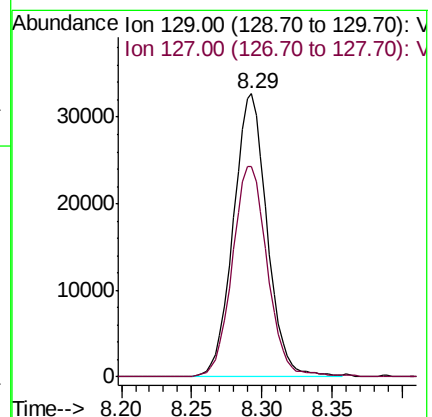
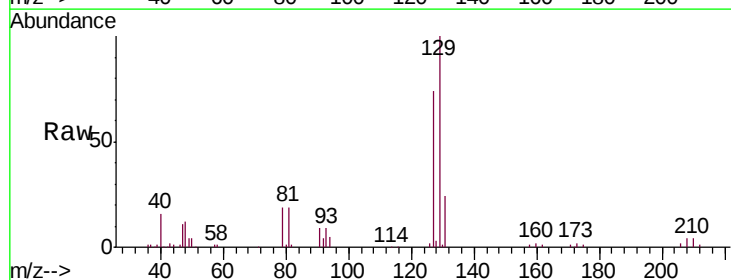
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

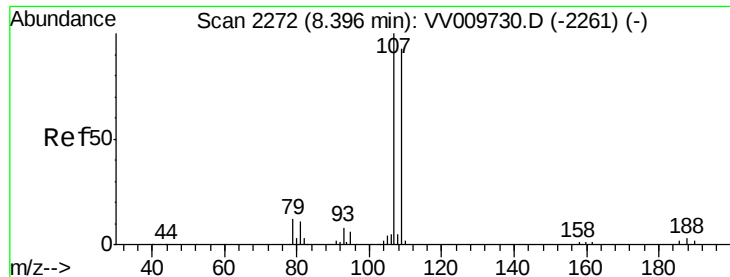
Tgt Ion:	43	Resp:	93449
Ion	Ratio	Lower	Upper
43	100		
58	56.9	46.0	69.0
57	20.2	14.8	22.2
100	12.9	10.8	16.2



#49
Dibromochloromethane
Concen: 48.758 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Tgt Ion:	129	Resp:	54831
Ion	Ratio	Lower	Upper
129	100		
127	74.4	55.2	102.4

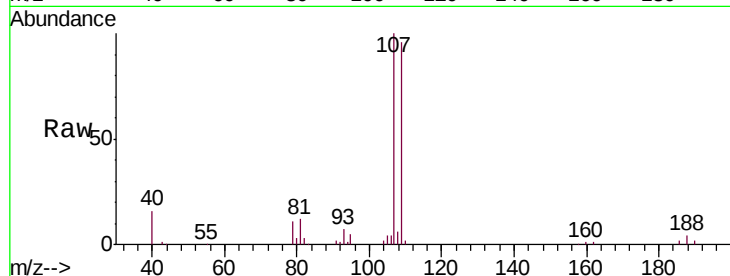




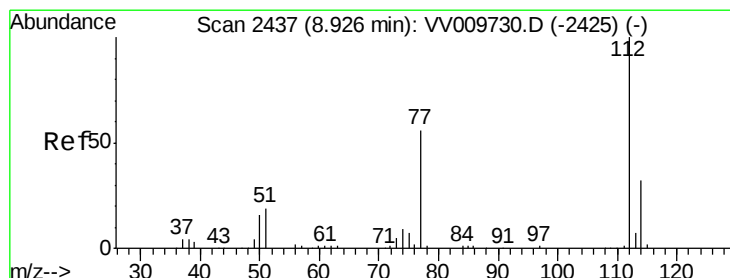
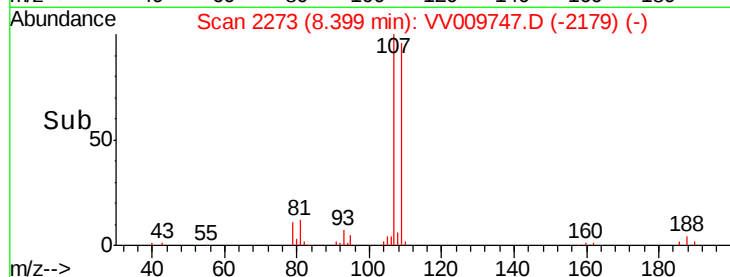
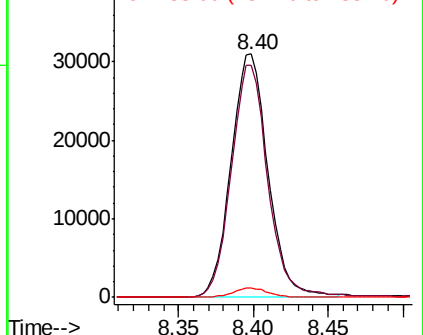
#50
1,2-Dibromoethane
Concen: 48.830 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tgt Ion:107 Resp: 53372
Ion Ratio Lower Upper
107 100
109 95.5 65.3 121.3
188 3.8 2.2 3.4#

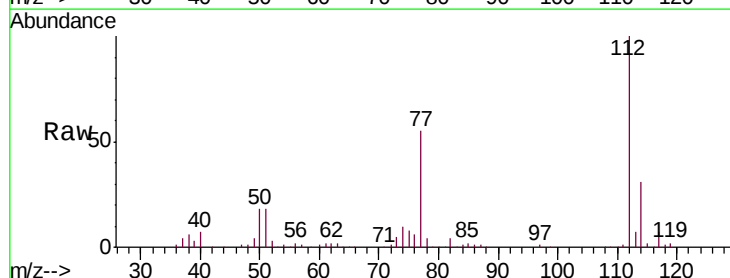


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

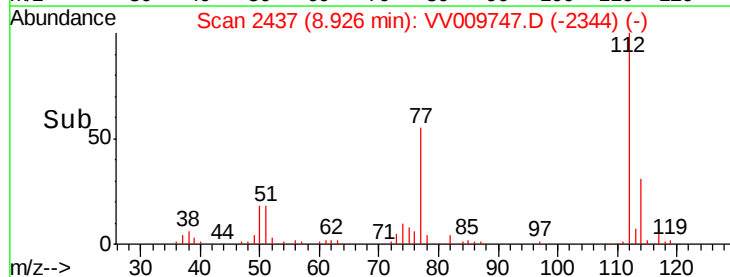
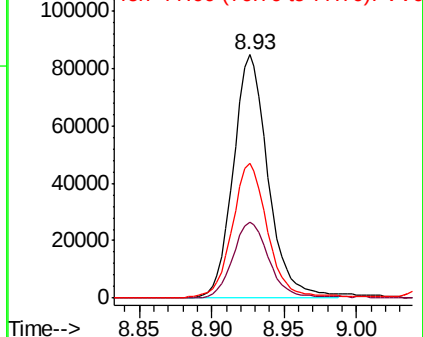


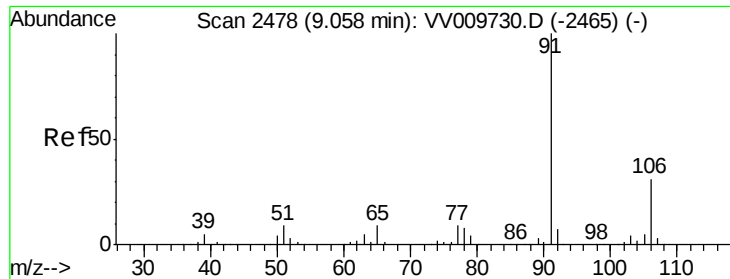
#51
Chlorobenzene
Concen: 47.735 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Tgt Ion:112 Resp: 141940
Ion Ratio Lower Upper
112 100
114 31.3 22.5 41.9
77 55.1 45.4 68.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.611 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

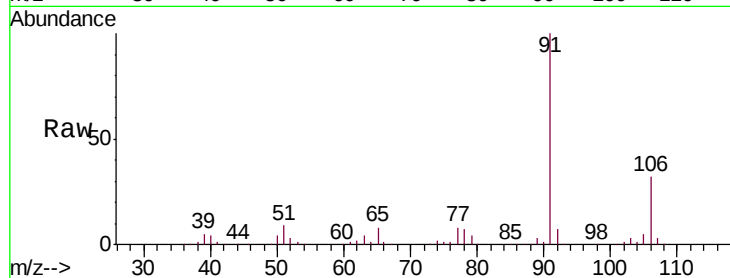
VSTD05083

Tgt Ion: 91 Resp: 244176

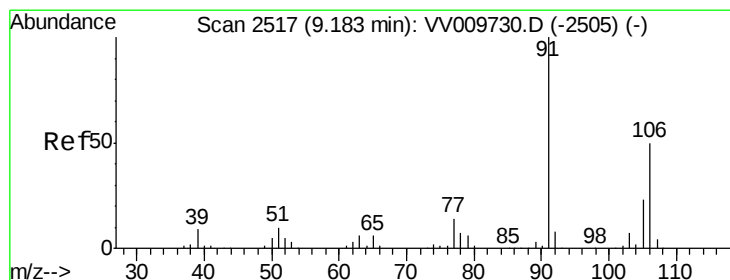
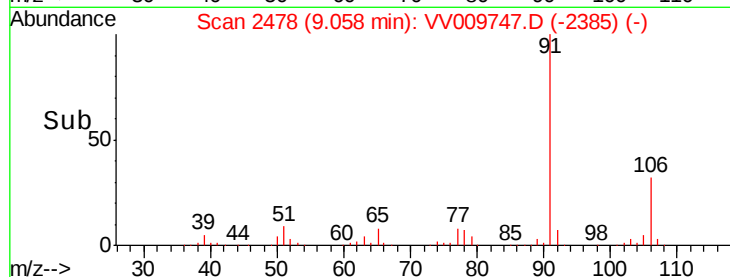
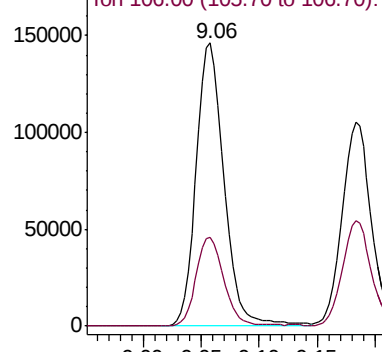
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009747.D (-2385) (-)



#53

m,p-Xylene

Concen: 47.640 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009747.D

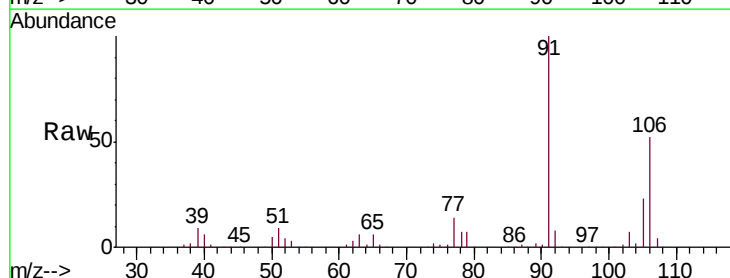
Acq: 16 Mar 2019 23:18

Tgt Ion: 106 Resp: 92448

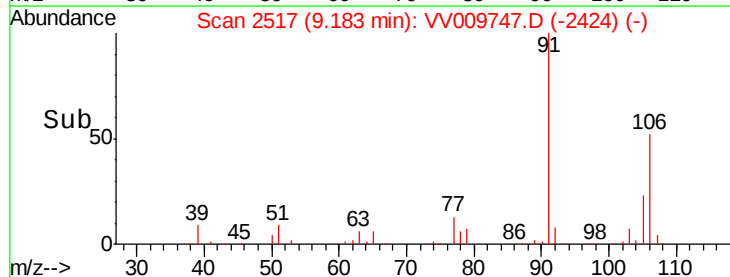
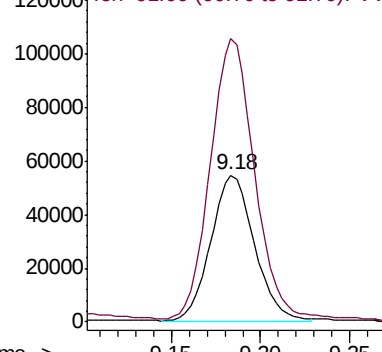
Ion Ratio Lower Upper

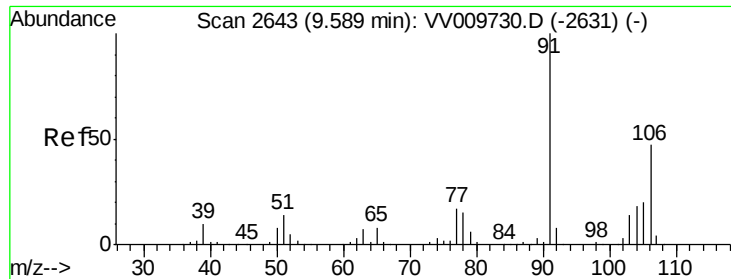
106 100

91 193.0 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009747.D (-2424) (-)

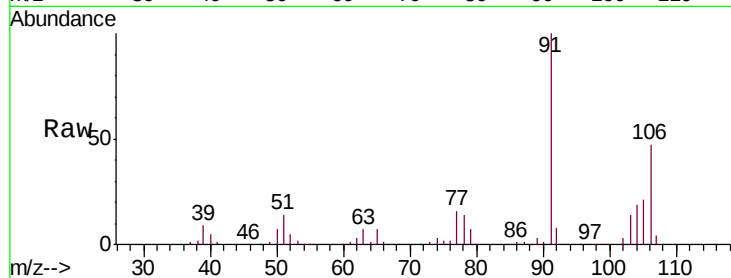




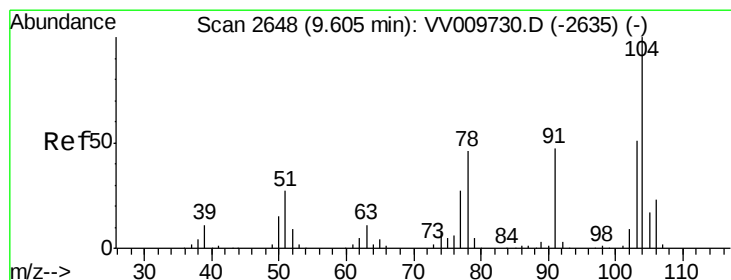
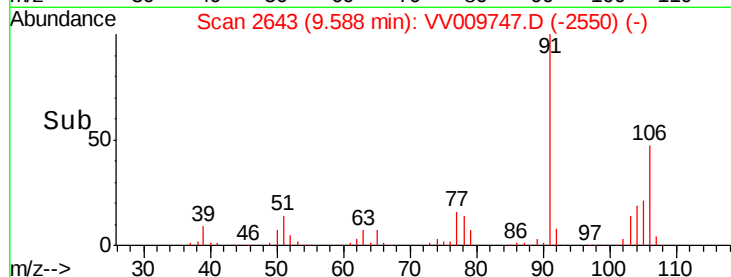
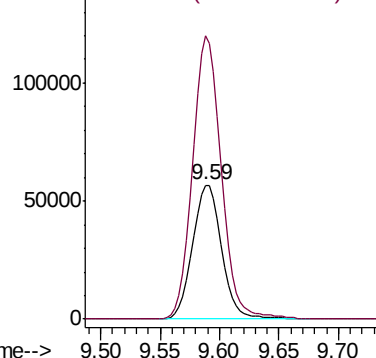
#54
o-Xylene
Concen: 49.480 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tgt Ion:106 Resp: 96556
Ion Ratio Lower Upper
106 100
91 210.8 148.3 275.5

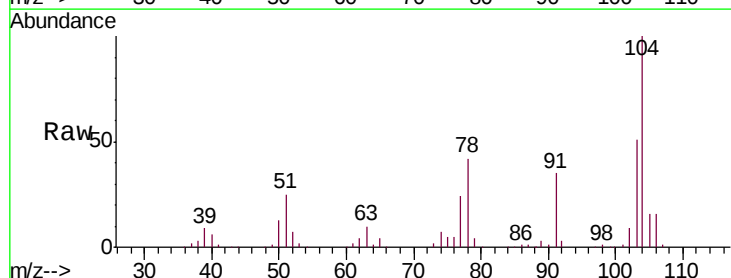


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

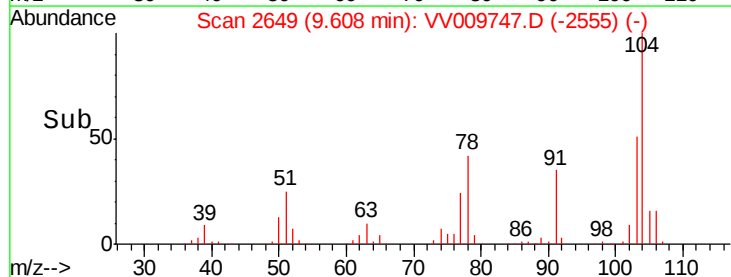
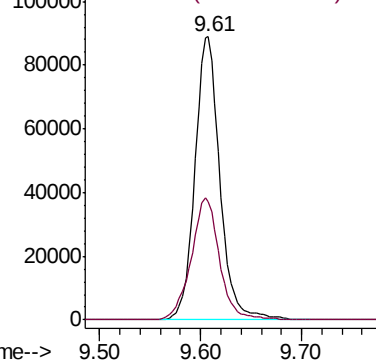


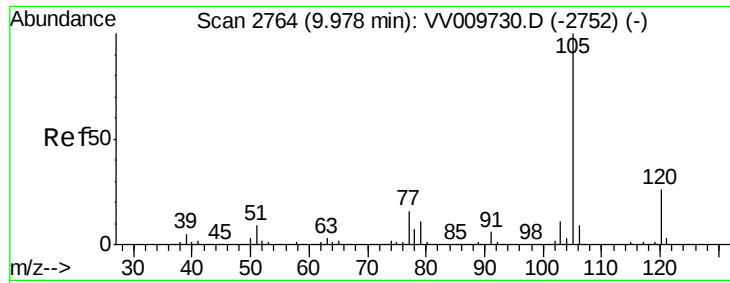
#55
Styrene
Concen: 48.355 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009747.D
Acq: 16 Mar 2019 23:18

Tgt Ion:104 Resp: 153802
Ion Ratio Lower Upper
104 100
78 41.9 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.283 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

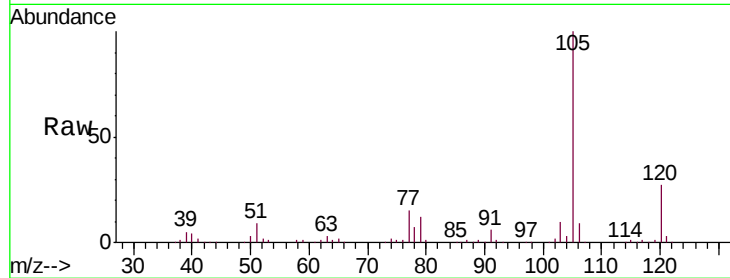
Tgt Ion: 105 Resp: 240099

Ion Ratio Lower Upper

105 100

120 27.2 21.1 31.7

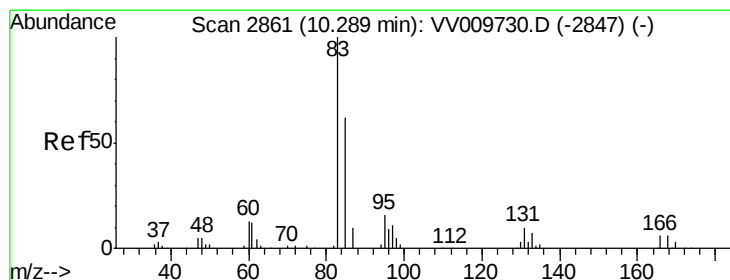
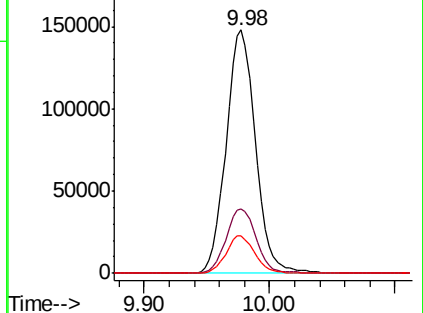
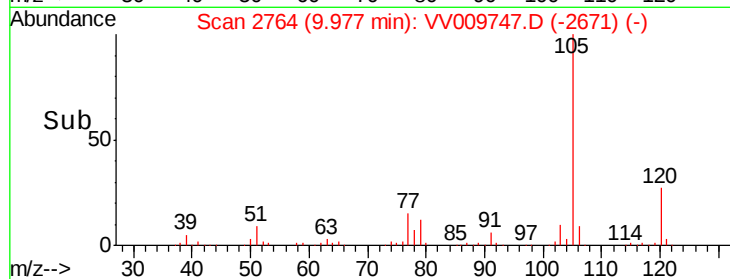
77 15.3 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.152 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

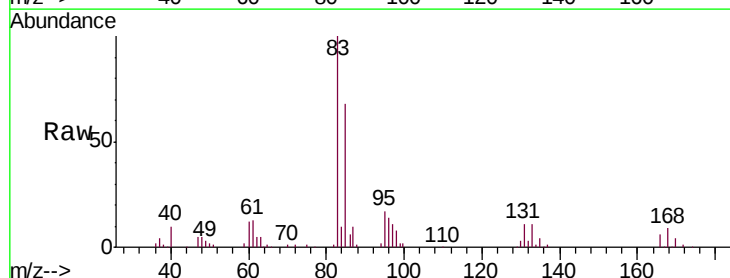
Tgt Ion: 83 Resp: 87716

Ion Ratio Lower Upper

83 100

85 67.7 43.5 80.9

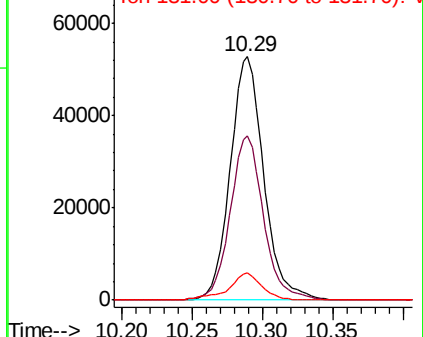
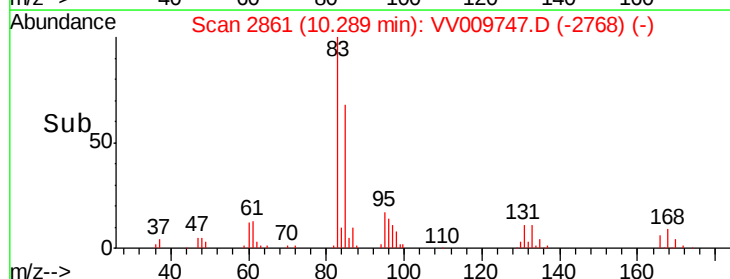
131 11.0 8.4 12.6

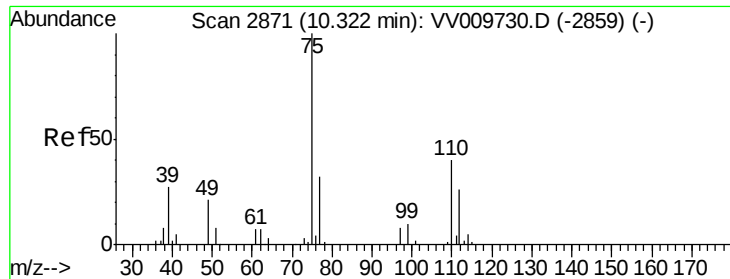


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.857 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

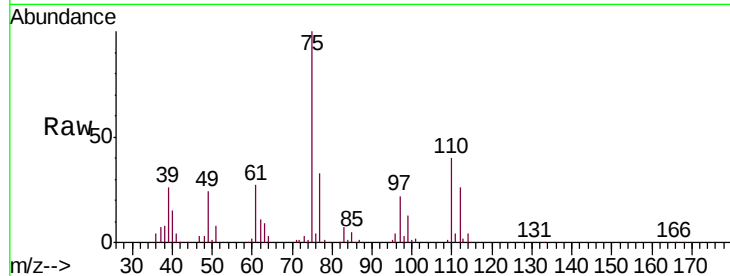
VSTD05083

Tgt Ion: 75 Resp: 65145

Ion Ratio Lower Upper

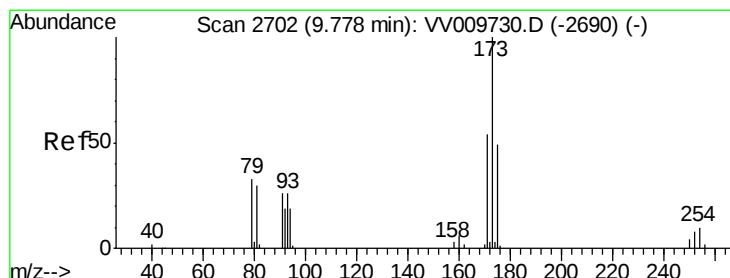
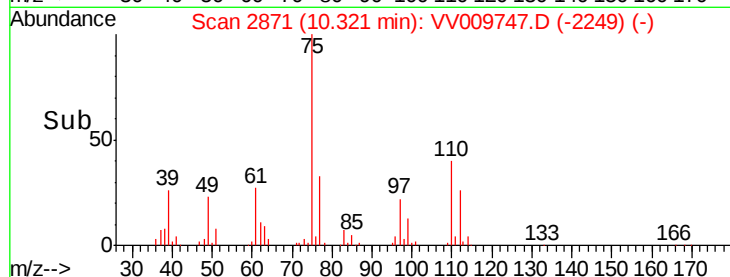
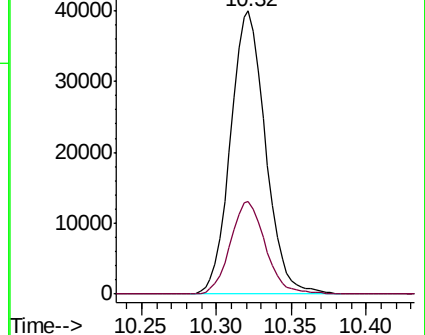
75 100

77 32.8 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV009730.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2859) (-)



#61

Bromoform

Concen: 47.244 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

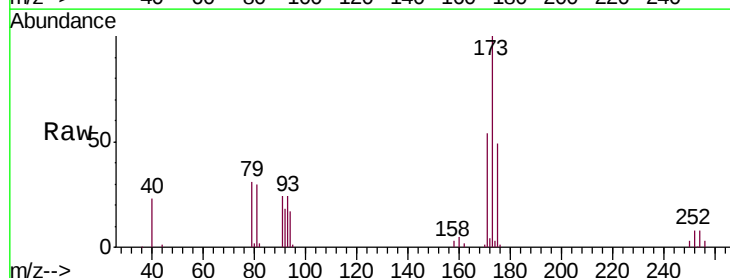
Tgt Ion: 173 Resp: 38175

Ion Ratio Lower Upper

173 100

175 49.6 38.6 58.0

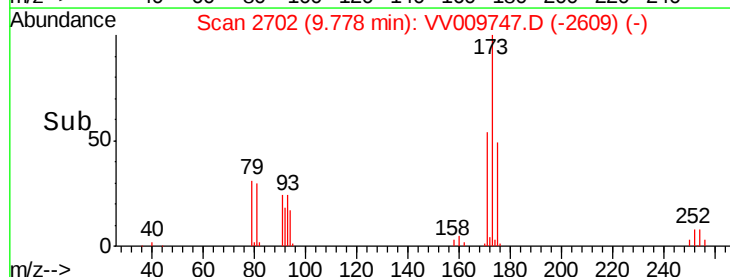
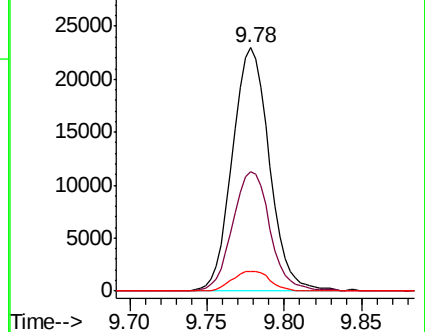
254 8.3 6.8 10.2

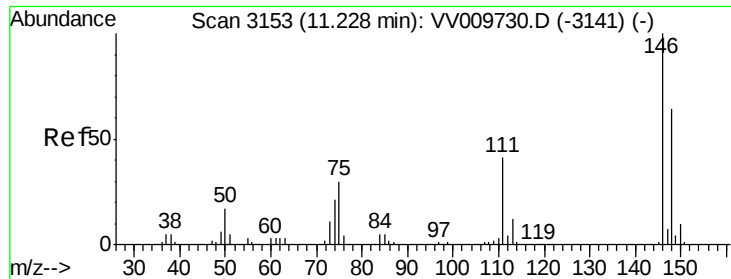


Abundance Ion 173.00 (172.70 to 173.70): VV009730.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009730.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009730.D (-2690) (-)

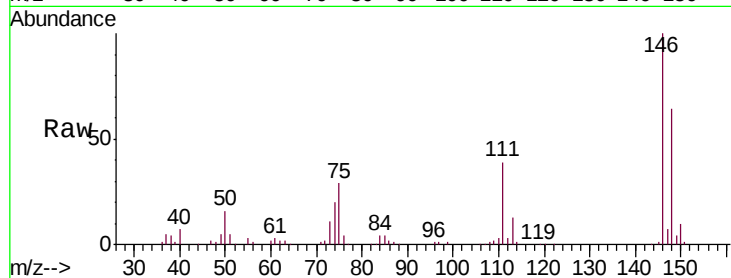




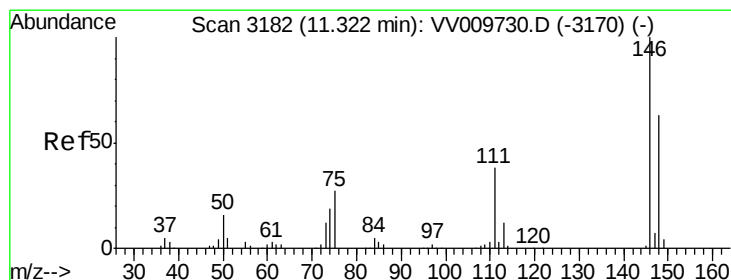
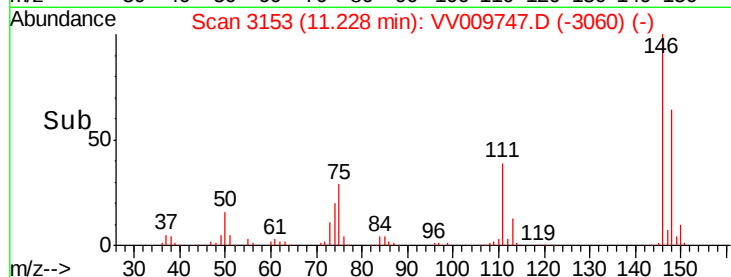
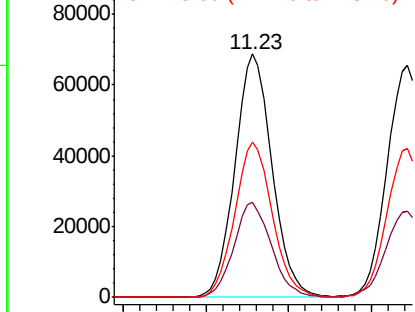
#62
 1,3-Dichlorobenzene
 Concen: 48.067 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Tgt Ion:146 Resp: 107195
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.8 53.4
 148 63.8 44.8 83.2

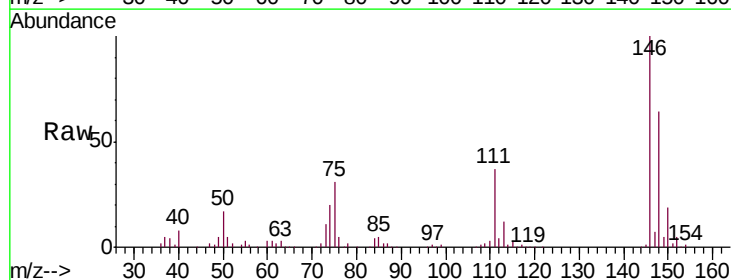


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

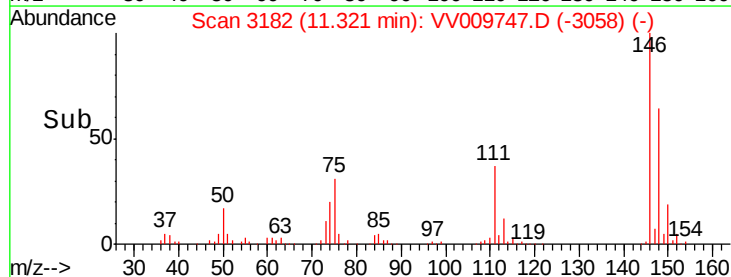
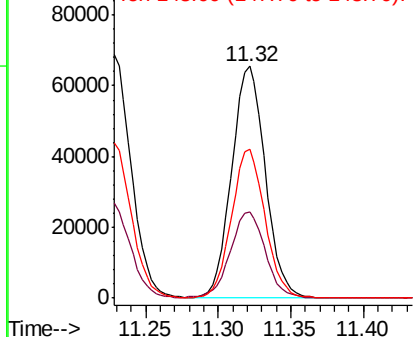


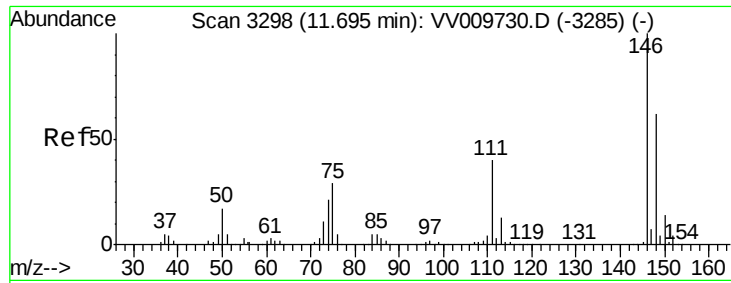
#63
 1,4-Dichlorobenzene
 Concen: 46.960 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

Tgt Ion:146 Resp: 105654
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.7 49.5
 148 64.2 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.764 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

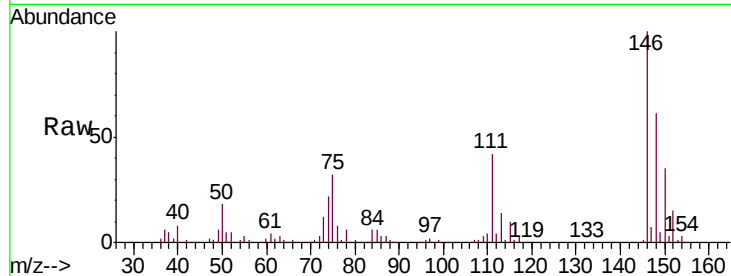
Tgt Ion: 146 Resp: 108688

Ion Ratio Lower Upper

146 100

111 41.7 32.2 48.4

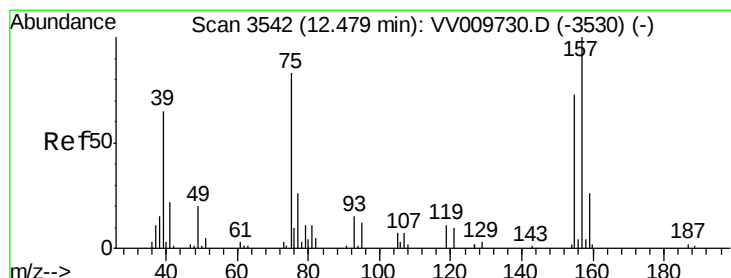
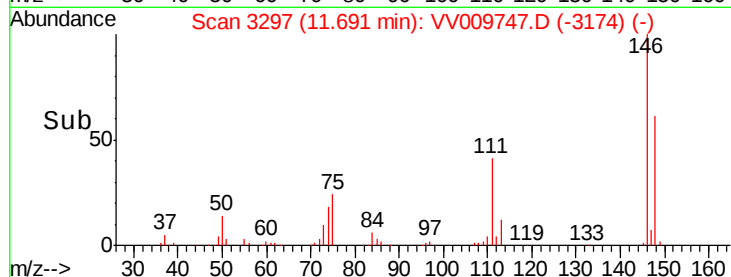
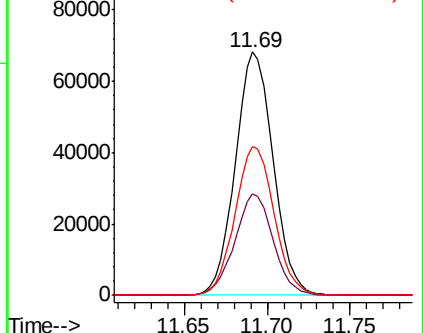
148 61.4 49.6 74.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 47.379 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

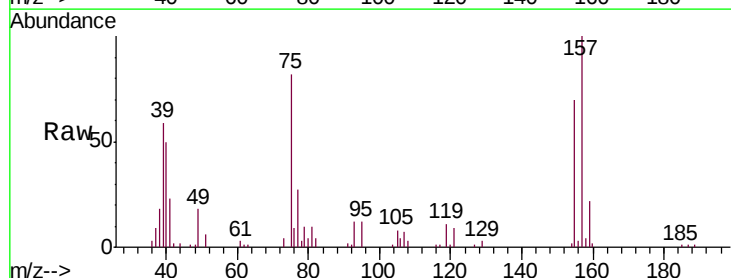
Tgt Ion: 75 Resp: 14975

Ion Ratio Lower Upper

75 100

155 85.6 70.3 105.5

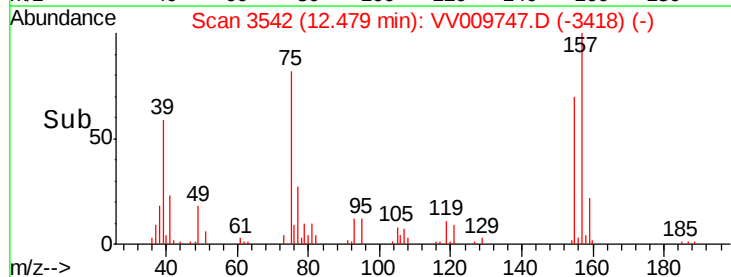
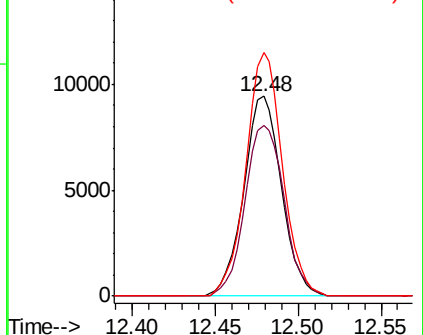
157 121.7 96.8 145.2

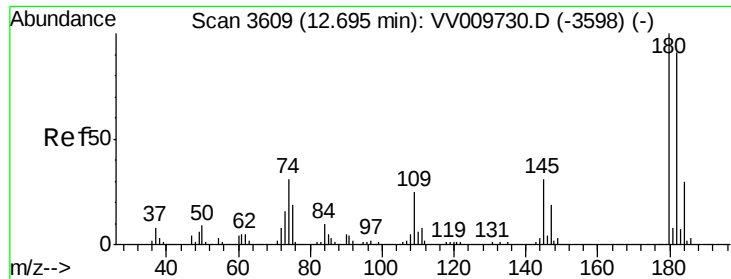


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

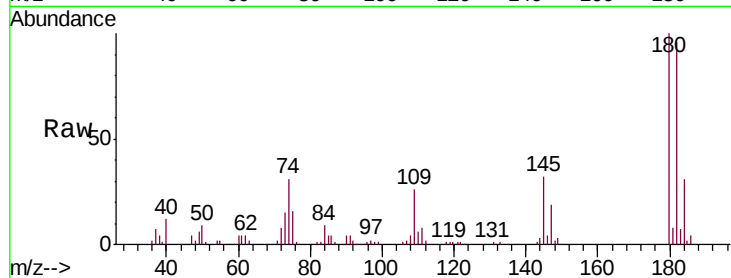




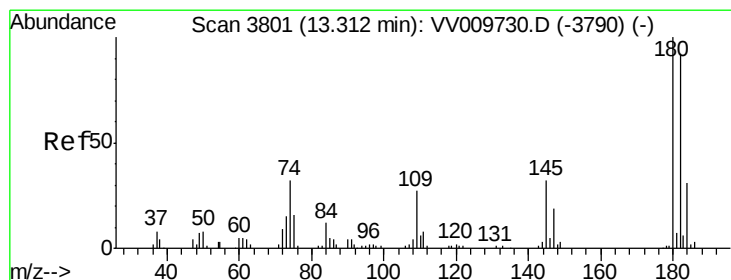
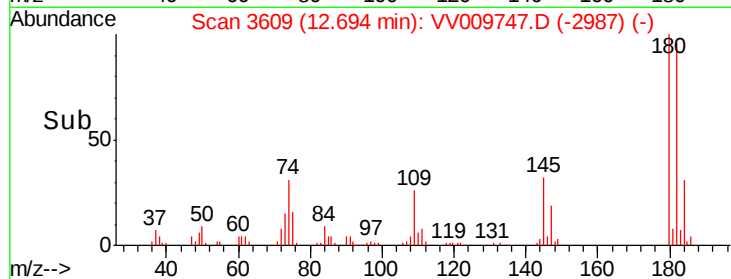
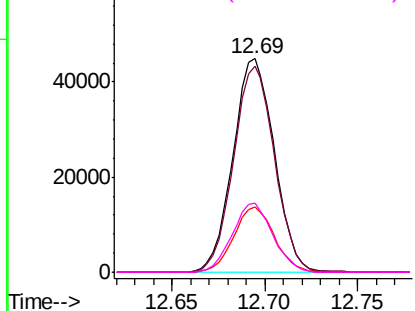
#67
 1,3,5-Trichlorobenzene
 Concen: 48.986 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Tgt Ion:180 Resp: 69476
 Ion Ratio Lower Upper
 180 100
 182 95.4 73.9 110.9
 184 30.1 23.4 35.2
 145 31.7 24.6 37.0

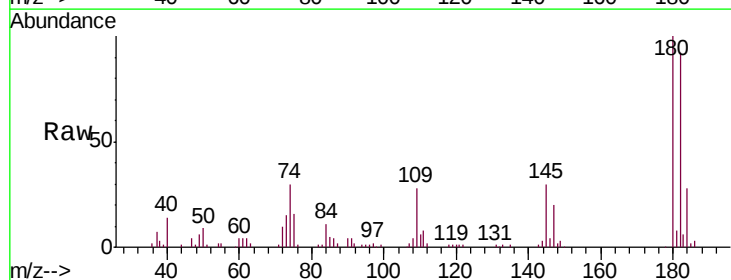


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

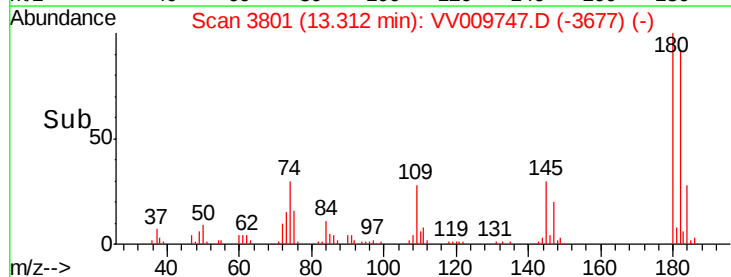
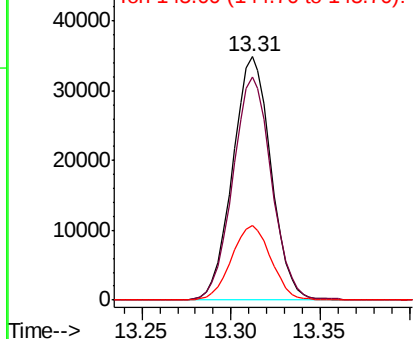


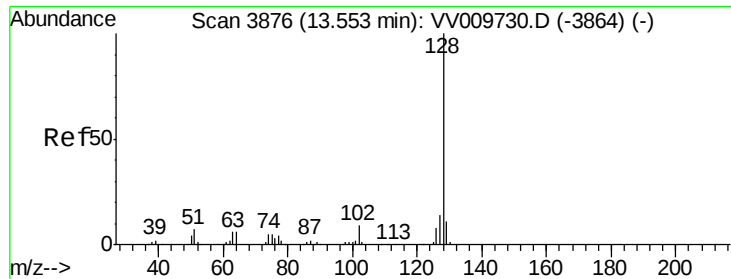
#68
 1,2,4-trichlorobenzene
 Concen: 52.675 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009747.D
 Acq: 16 Mar 2019 23:18

Tgt Ion:180 Resp: 52362
 Ion Ratio Lower Upper
 180 100
 182 92.5 75.7 113.5
 145 31.5 25.3 37.9



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





#69

Naphthalene

Concen: 49.416 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

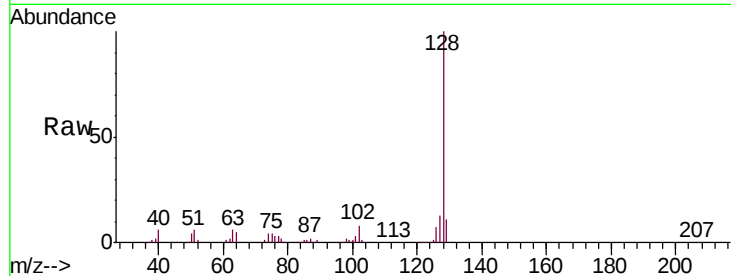
Tgt Ion:128 Resp: 140565

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

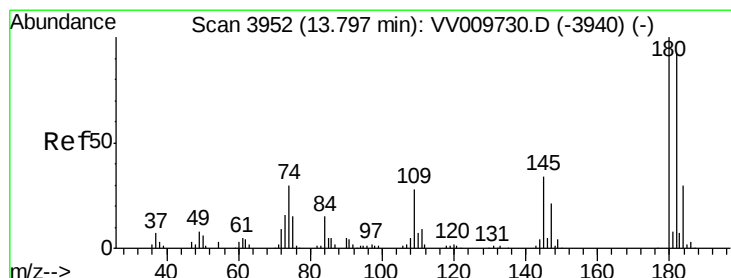
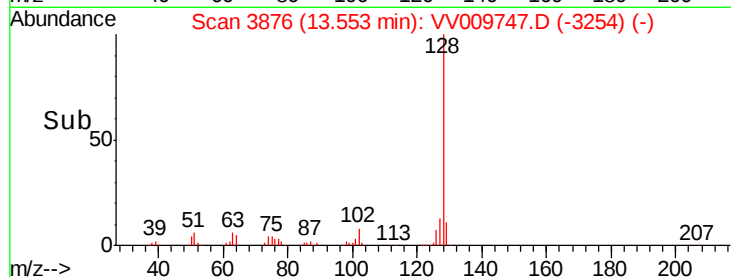
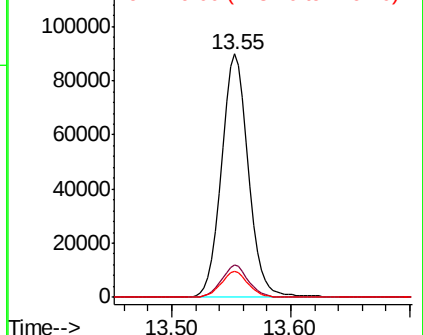
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.406 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009747.D

Acq: 16 Mar 2019 23:18

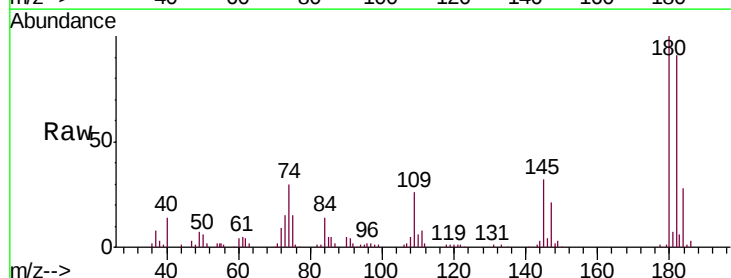
Tgt Ion:180 Resp: 54218

Ion Ratio Lower Upper

180 100

182 93.2 73.3 109.9

145 32.6 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

