

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\
 Data File : VV016925.D
 Acq On : 15 Jun 2020 09:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Jun 16 04:29:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	376329	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	351858	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180469	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111652	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.57	69	59453	37.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.62%
11) 1,1-Dichloroethene-d2	2.12	63	214553	48.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.24%
21) 2-Butanone-d5	3.90	46	185725	94.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.50%
24) Chloroform-d	4.37	84	261541	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.05	65	177311	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.07	84	492628	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
36) 1,2-Dichloropropane-d6	6.09	67	152373	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.38%
41) Toluene-d8	7.33	98	460005	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%
43) trans-1,3-Dichloropropene-	7.64	79	82349	50.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.02%
47) 2-Hexanone-d5	8.11	63	121453	88.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	195373	46.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	188971	49.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	151196	50.676	ug/L 97
3) Chloromethane	1.25	50	133216	48.824	ug/L 98
5) Vinyl chloride	1.32	62	131074	48.851	ug/L 100
6) Bromomethane	1.53	94	54187	48.490	ug/L 96
8) Chloroethane	1.59	64	54402	41.046	ug/L 95
9) Trichlorofluoromethane	1.76	101	215752	53.733	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109573	54.764	ug/L 98
12) 1,1-Dichloroethene	2.13	96	95075	50.902	ug/L 96
13) Acetone	2.18	43	171061	132.098	ug/L 100
14) Carbon disulfide	2.31	76	327189	48.382	ug/L 100
15) Methyl Acetate	2.44	43	145079	50.265	ug/L 98
16) Methylene chloride	2.52	84	136485	49.797	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	128023	50.270	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	444253	52.646	ug/L 99
19) 1,1-Dichloroethane	3.21	63	244994	51.108	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	143090	51.538	ug/L 99
22) 2-Butanone	3.98	43	231615	115.986	ug/L 97

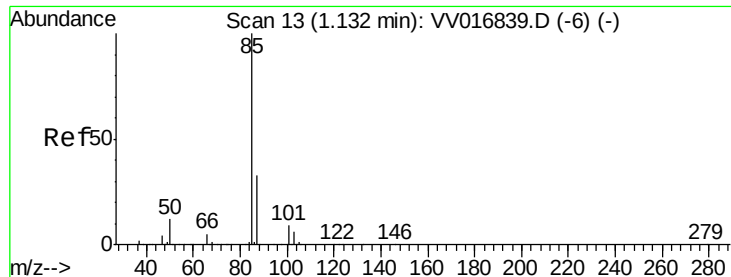
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	75035	51.304	ug/L	99
25) Chloroform	4.40	83	259717	52.718	ug/L	98
27) 1,2-Dichloroethane	5.15	62	216484	52.420	ug/L	100
29) Cyclohexane	4.70	56	220015	50.319	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	238644	53.183	ug/L	98
31) Carbon tetrachloride	4.85	117	215176	55.431	ug/L	98
33) Benzene	5.12	78	531056	51.012	ug/L	100
34) Trichloroethene	5.94	95	148075	53.035	ug/L	98
35) Methylcyclohexane	6.15	83	226808	51.781	ug/L	98
37) 1,2-Dichloropropane	6.20	63	140704	51.972	ug/L	99
38) Bromodichloromethane	6.53	83	192416	53.390	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	228049	54.228	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	408095	106.376	ug/L	100
42) Toluene	7.41	91	585361	53.338	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	223779	54.734	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	135613	51.920	ug/L	98
46) Tetrachloroethene	8.00	164	116395	53.006	ug/L	97
48) 2-Hexanone	8.16	43	334423	112.428	ug/L	99
49) Dibromochloromethane	8.27	129	151160	54.126	ug/L	99
50) 1,2-Dibromoethane	8.37	107	145148	53.066	ug/L	99
51) Chlorobenzene	8.90	112	373575	52.175	ug/L	99
52) Ethylbenzene	9.03	91	653497	53.760	ug/L	98
53) m,p-Xylene	9.16	106	246172	54.391	ug/L	97
54) o-xylene	9.56	106	240770	53.939	ug/L	99
55) Styrene	9.58	104	410642	54.412	ug/L	97
56) Isopropylbenzene	9.95	105	654459	54.565	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	200713	50.119	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	173443	51.634	ug/L	99
61) Bromoform	9.75	173	103071	55.526	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	303361	53.072	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	302281	51.975	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	300333	52.430	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	45901	50.960	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	225880	52.994	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	206953	52.934	ug/L	98
69) Naphthalene	13.52	128	595947	52.992	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	204181	53.375	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.676 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

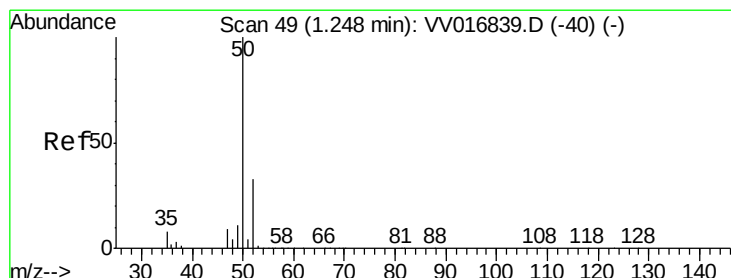
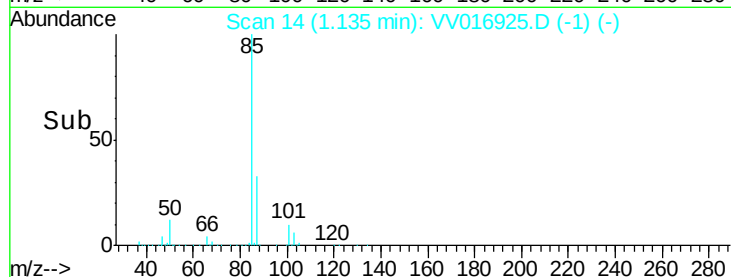
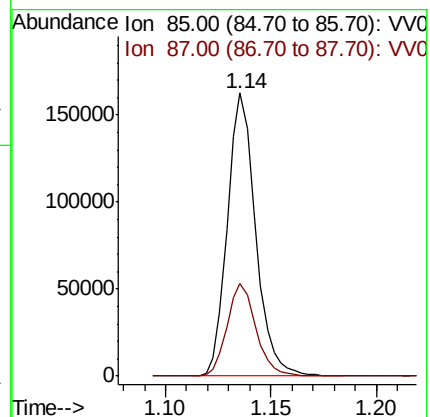
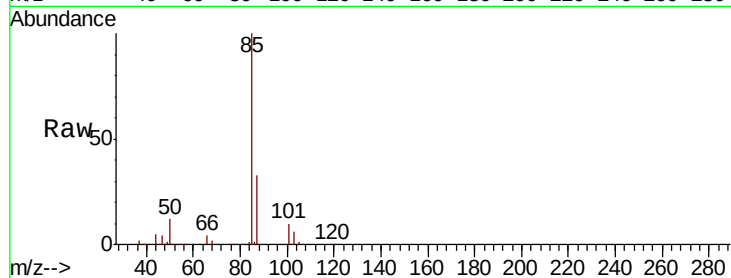
VSTD05092

Tot Ion: 85 Resp: 151196

Ion Ratio Lower Upper

85 100

87 33.4 25.6 38.4



#3

Chloromethane

Concen: 48.824 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016925.D

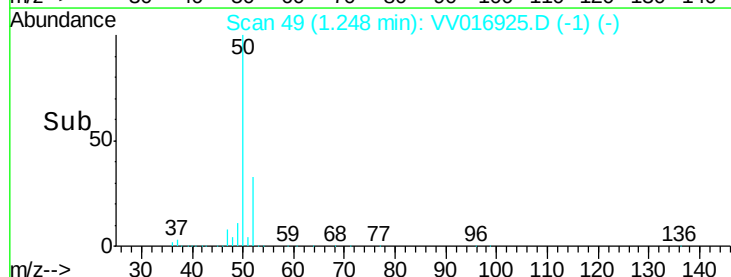
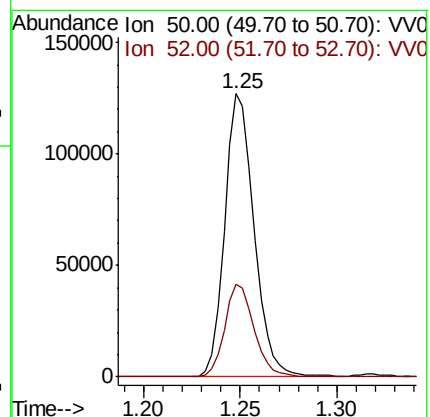
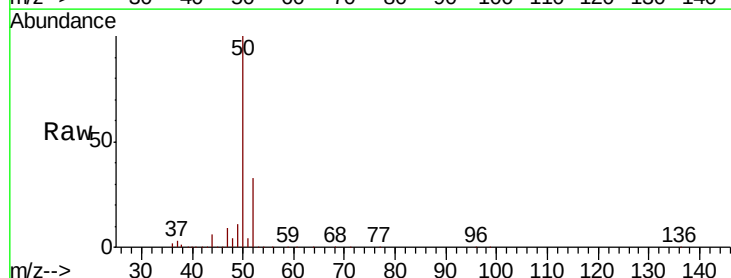
Acq: 15 Jun 2020 09:55

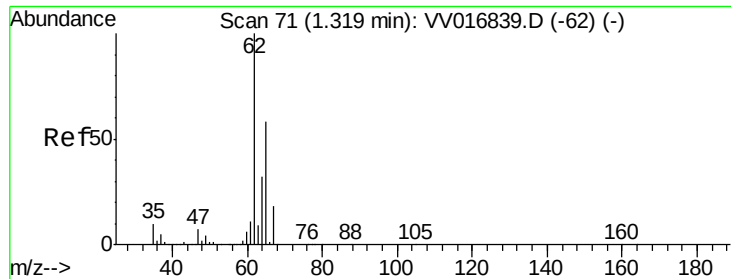
Tgt Ion: 50 Resp: 133216

Ion Ratio Lower Upper

50 100

52 32.9 22.5 41.7





#5

Vinyl chloride

Concen: 48.851 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampled :

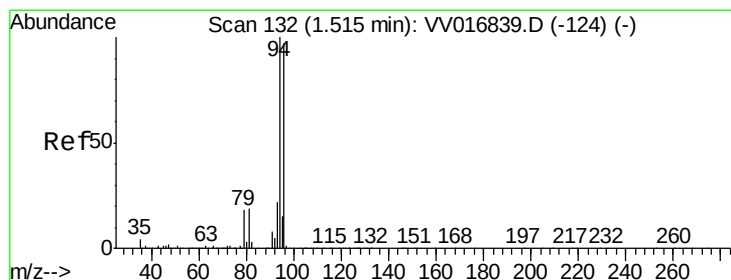
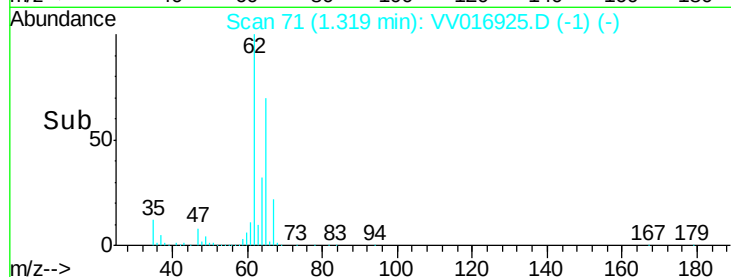
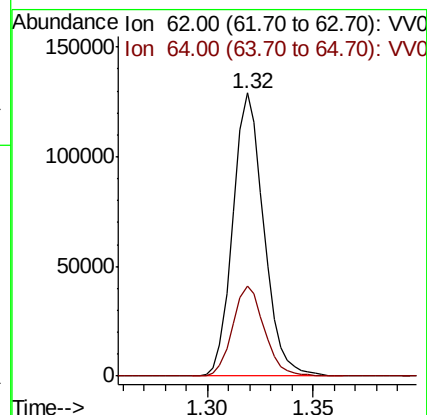
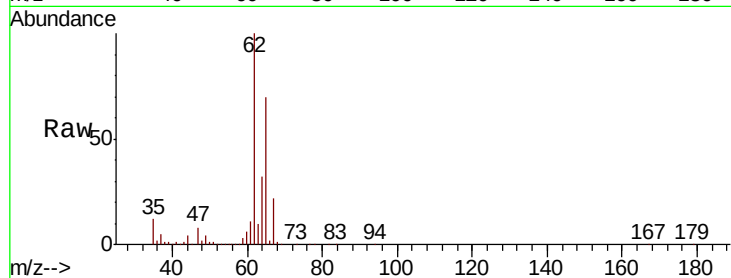
VSTD05092

Tot Ion: 62 Resp: 131074

Ion Ratio Lower Upper

62 100

64 32.0 22.3 41.5



#6

Bromomethane

Concen: 48.490 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV016925.D

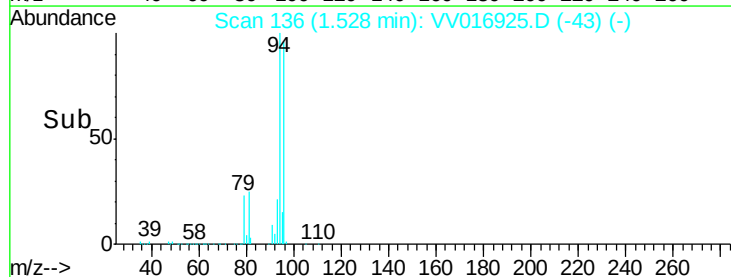
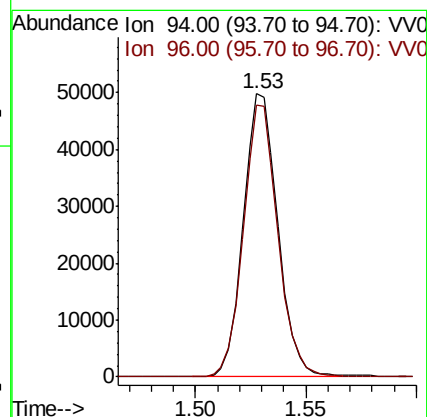
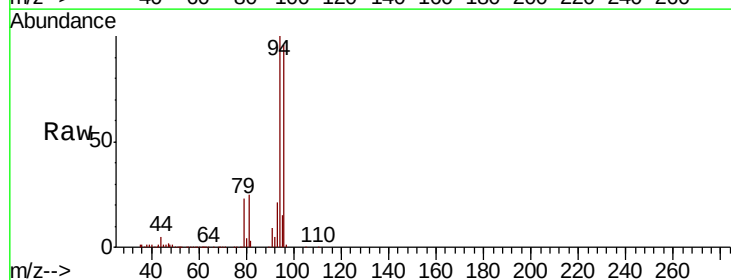
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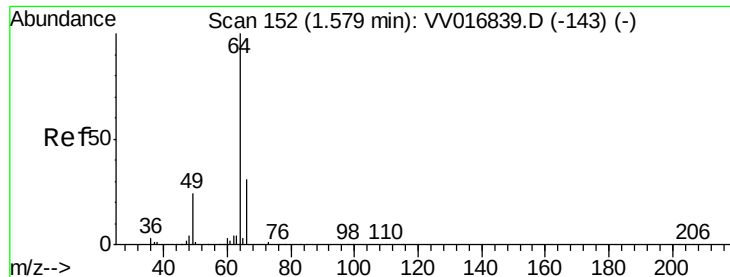
Tgt Ion: 94 Resp: 54187

Ion Ratio Lower Upper

94 100

96 96.2 64.5 119.9

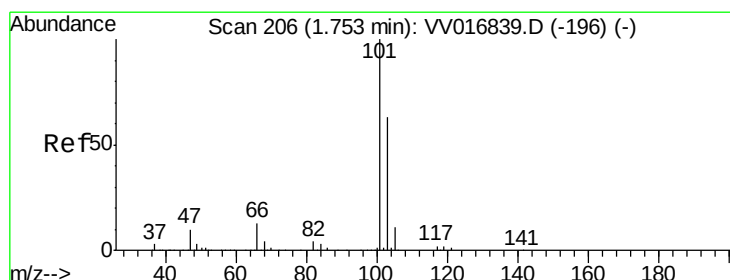
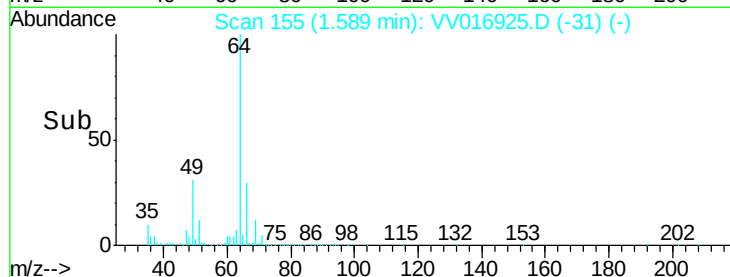
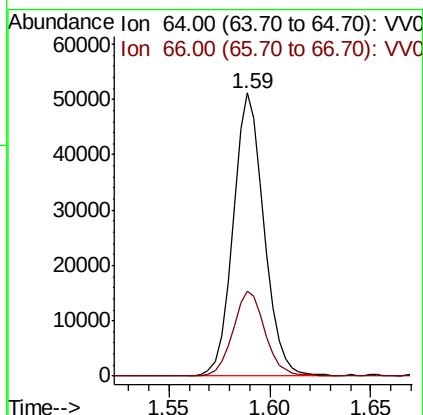
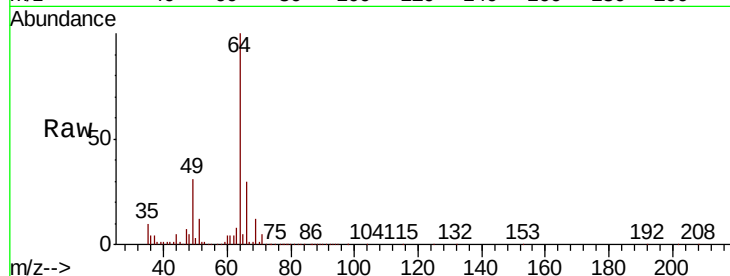




#8
Chloroethane
Concen: 41.046 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

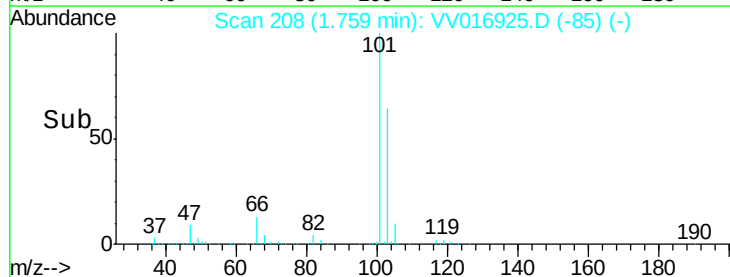
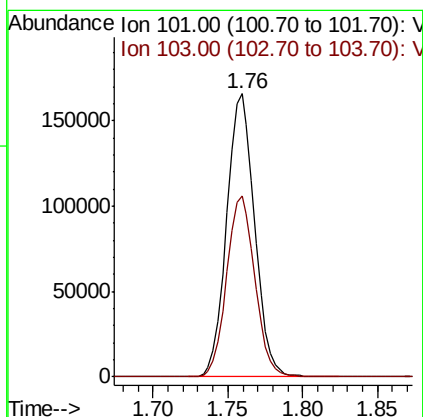
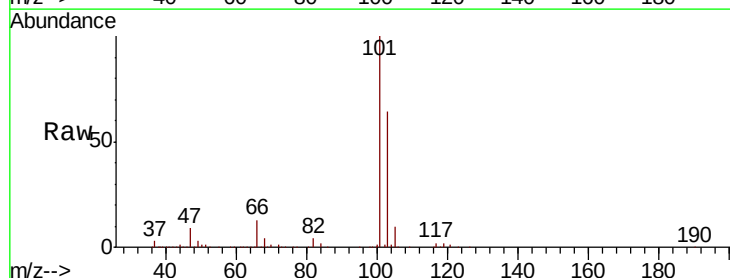
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

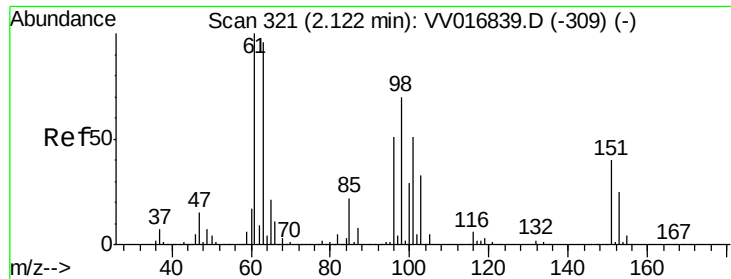
Tot Ion: 64 Resp: 54402
Ion Ratio Lower Upper
64 100
66 30.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 53.733 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Tgt Ion: 101 Resp: 215752
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9





#10

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

Concen: 54.764 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

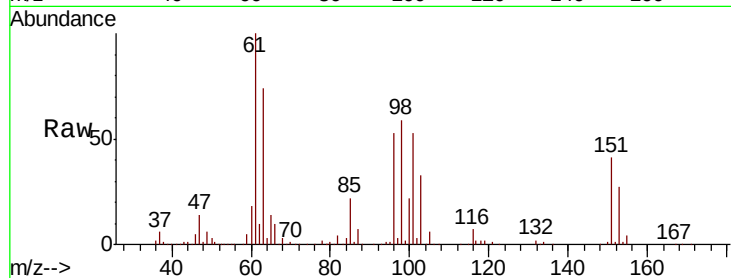
Tot Ion:101 Resp: 109573

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

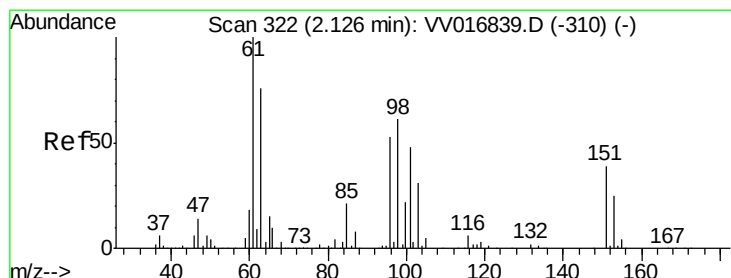
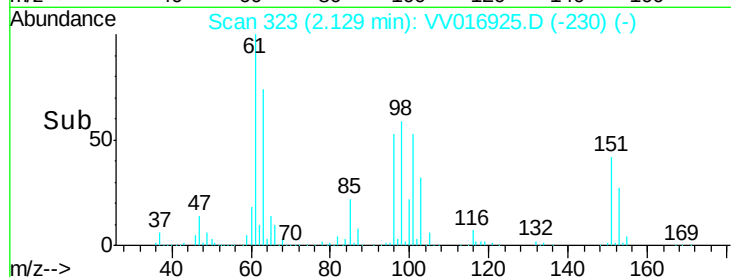
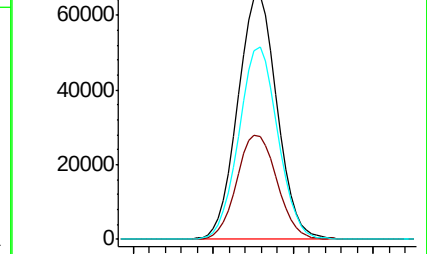
151 78.2 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016839.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV016839.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV016839.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 50.902 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

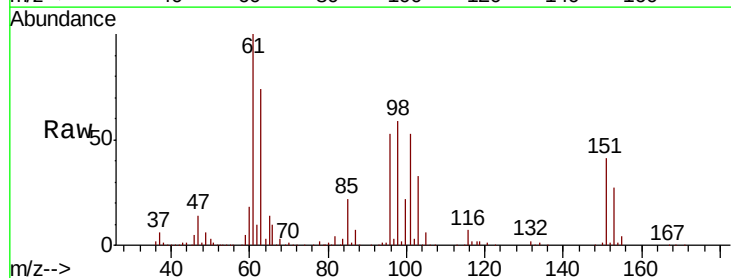
Tgt Ion: 96 Resp: 95075

Ion Ratio Lower Upper

96 100

61 189.2 130.4 242.2

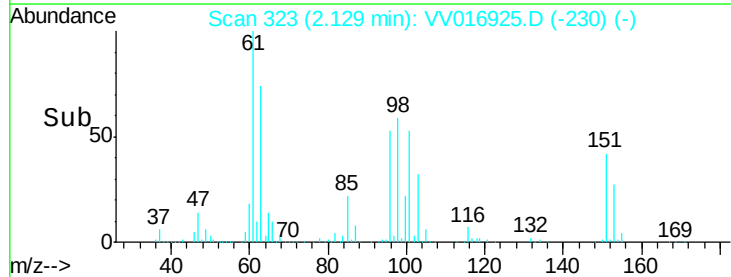
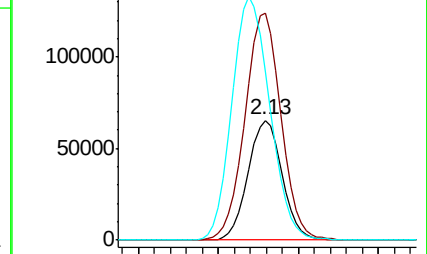
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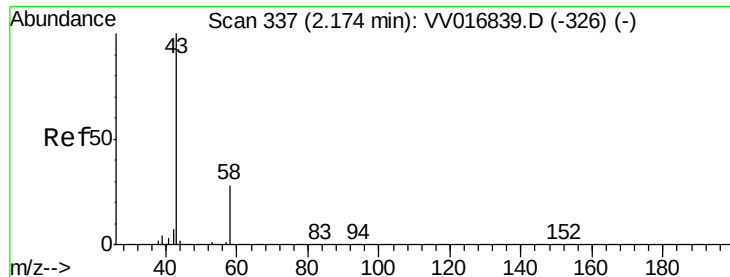


Abundance Ion 96.00 (95.70 to 96.70): VV016839.D (-310) (-)

Ion 61.00 (60.70 to 61.70): VV016839.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV016839.D (-310) (-)





#13

Acetone

Concen: 132.098 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.01 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

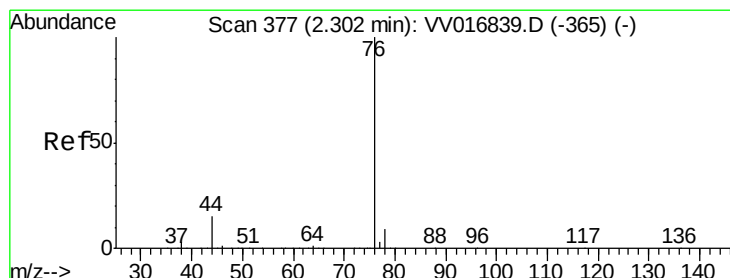
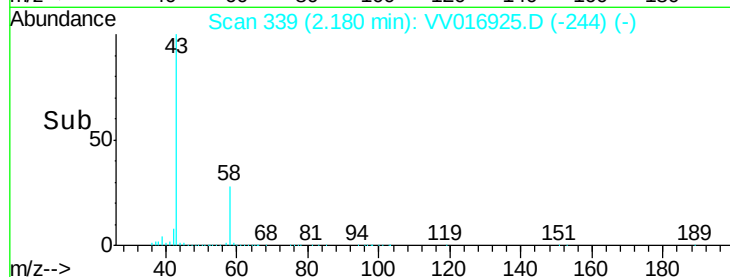
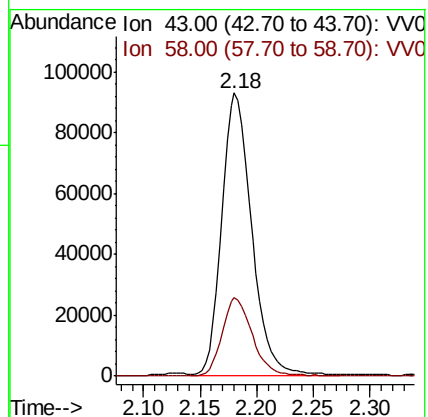
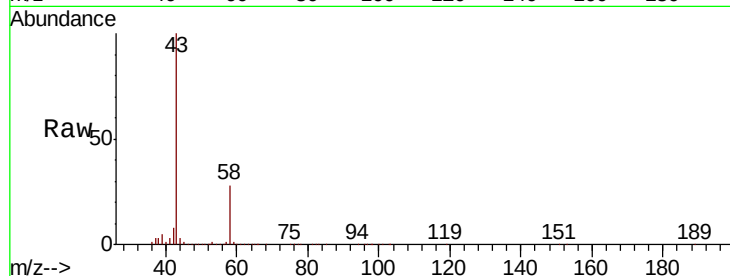
VSTD05092

Tot Ion: 43 Resp: 171061

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.2



#14

Carbon disulfide

Concen: 48.382 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016925.D

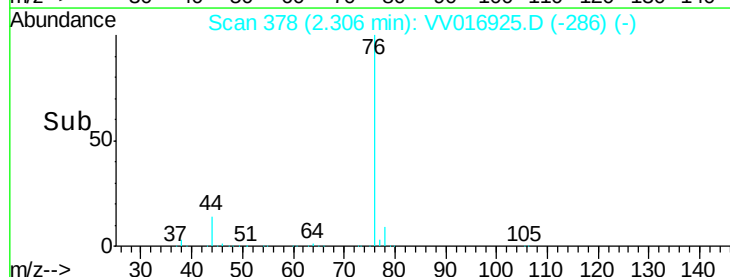
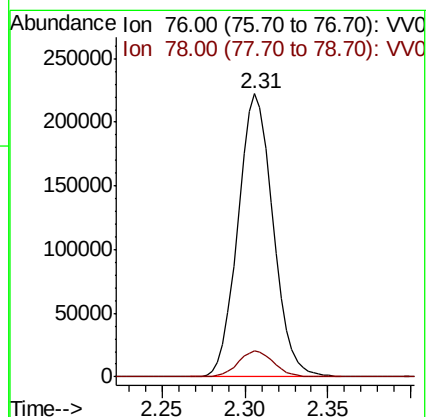
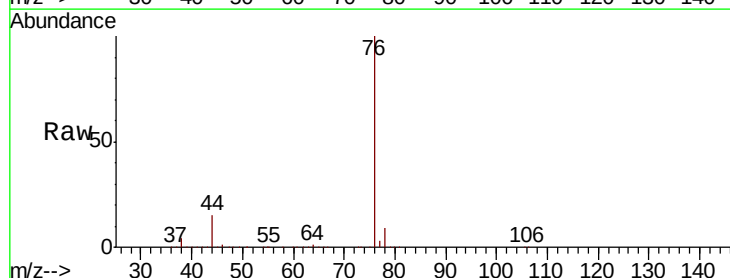
Acq: 15 Jun 2020 09:55

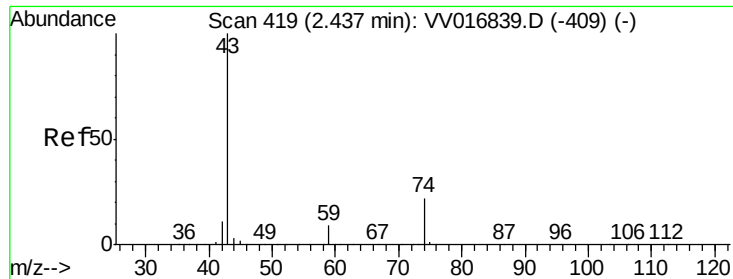
Tgt Ion: 76 Resp: 327189

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

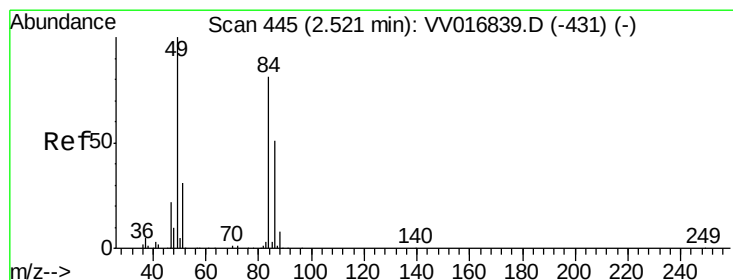
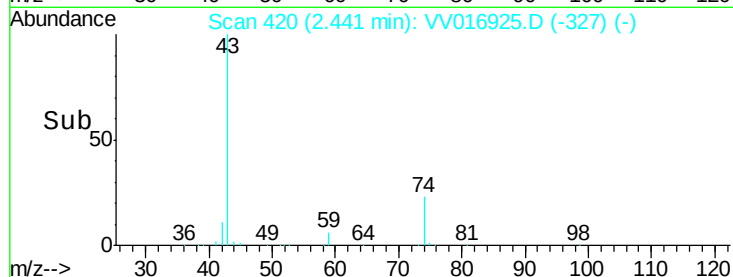
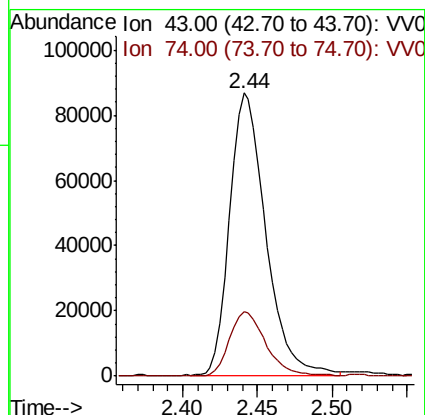
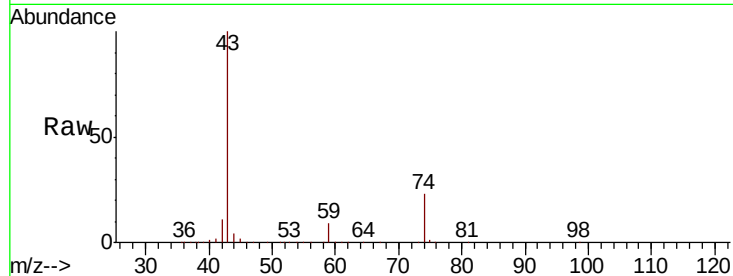




#15
Methvl Acetate
Concen: 50.265 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

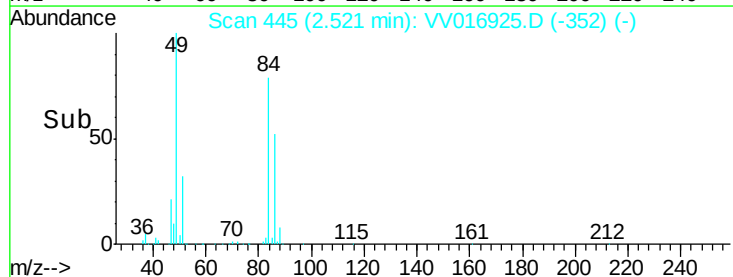
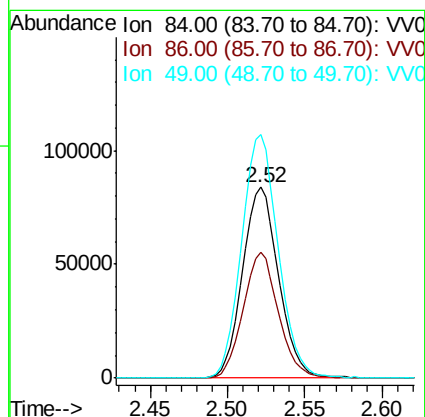
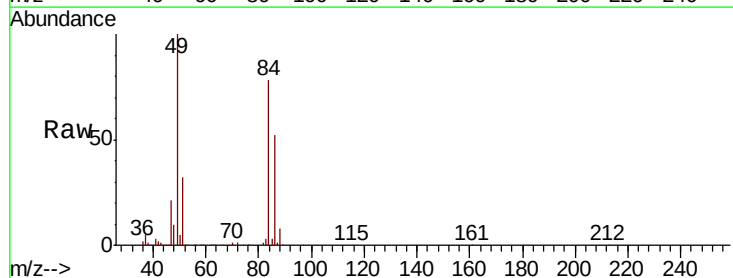
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

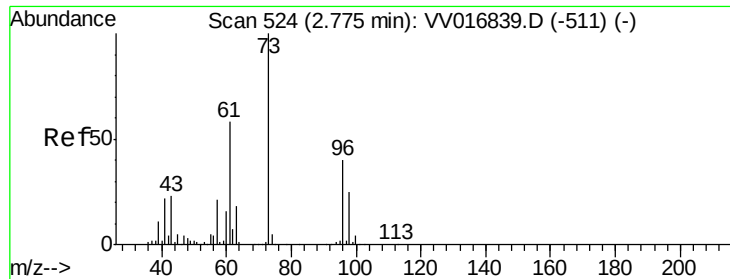
Tot Ion: 43 Resp: 145079
Ion Ratio Lower Upper
43 100
74 23.4 17.9 26.9



#16
Methylene chloride
Concen: 49.797 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Tgt Ion: 84 Resp: 136485
Ion Ratio Lower Upper
84 100
86 66.2 44.0 81.8
49 127.4 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 50.270 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

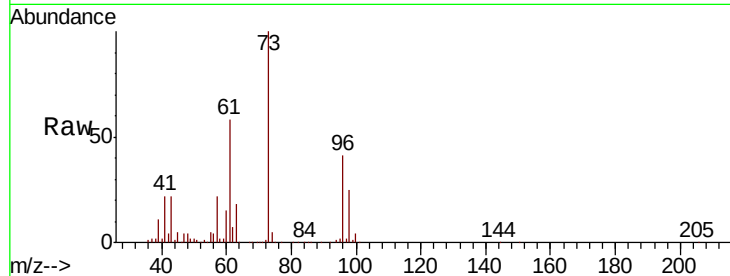
Tot Ion: 96 Resp: 128023

Ion Ratio Lower Upper

96 100

61 141.7 102.9 191.1

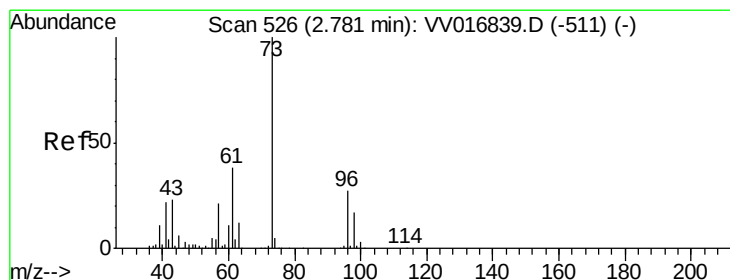
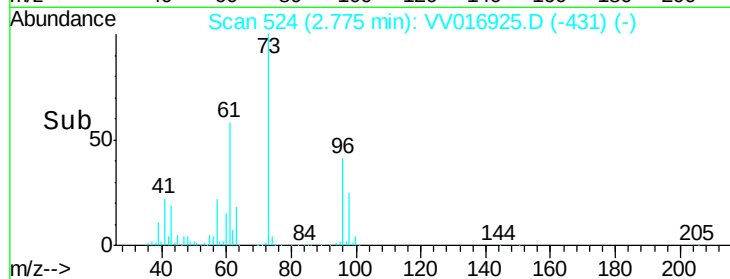
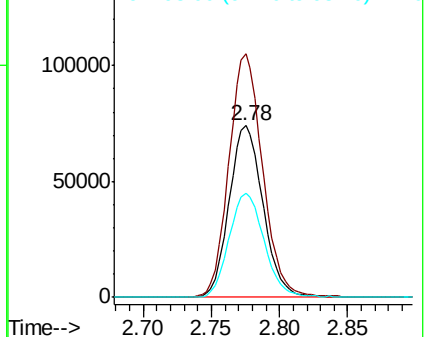
98 60.8 45.5 84.5



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: 52.646 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

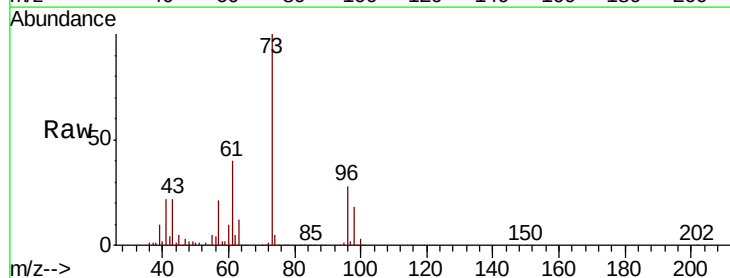
Tgt Ion: 73 Resp: 444253

Ion Ratio Lower Upper

73 100

43 22.0 17.8 26.6

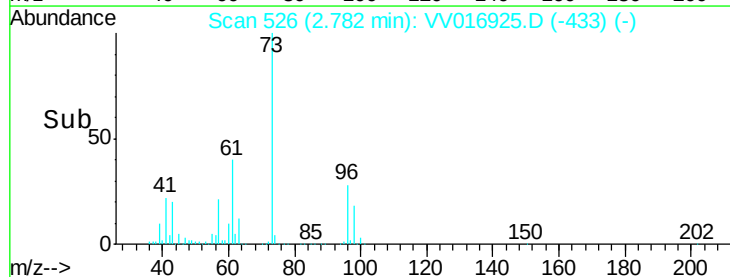
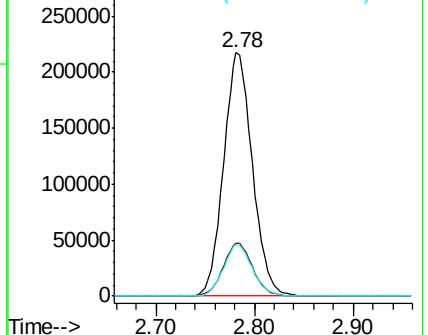
57 21.3 17.7 26.5

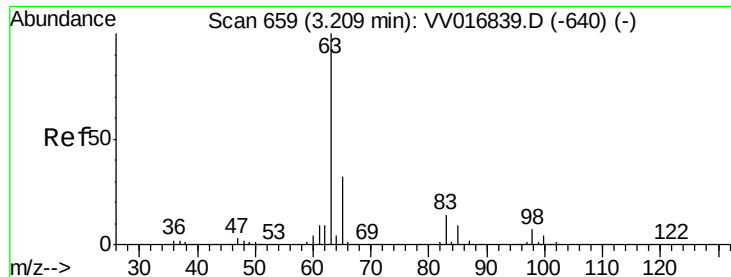


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

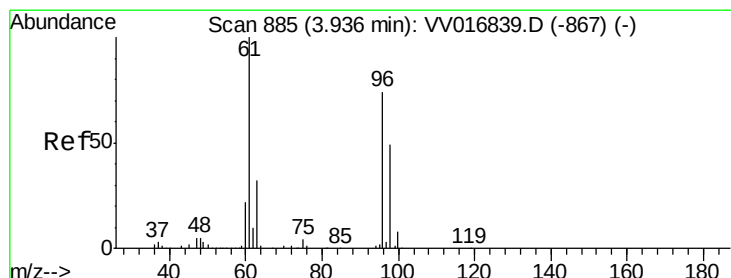
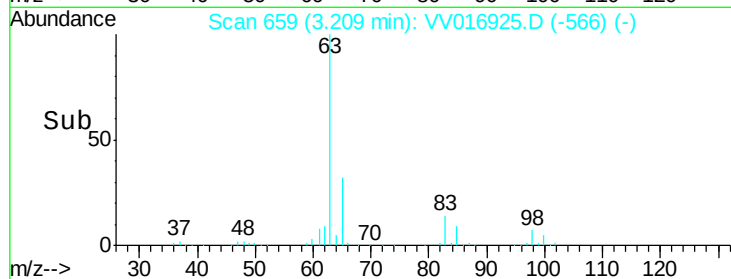
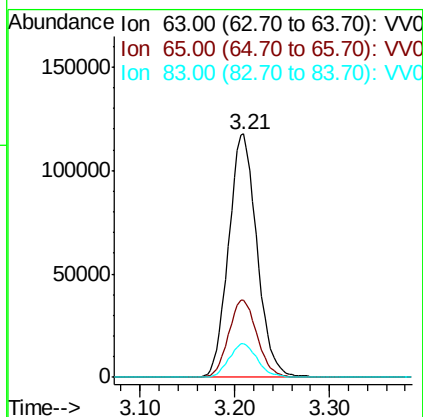
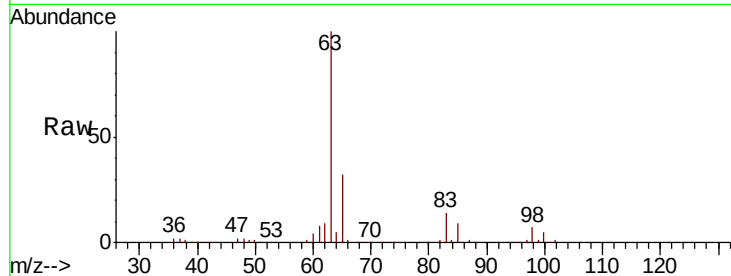




#19
 1,1-Dichloroethane
 Concen: 51.108 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

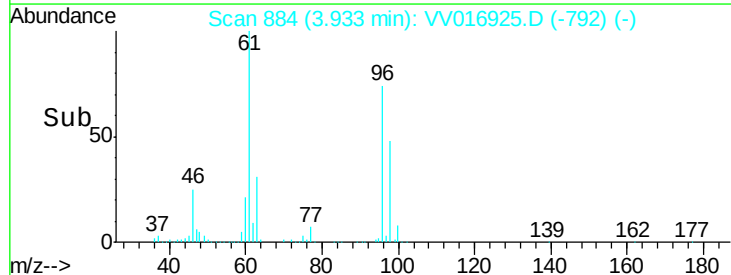
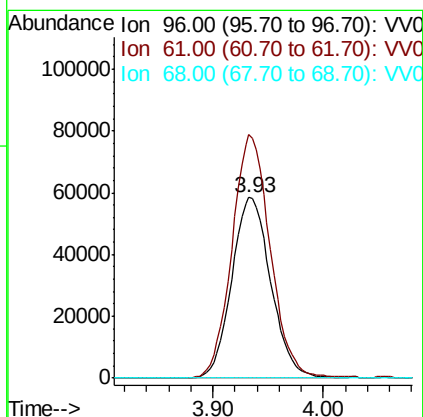
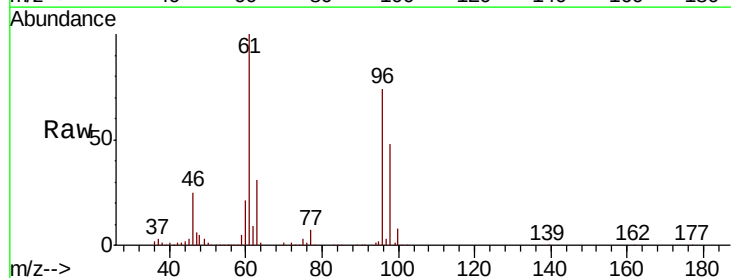
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

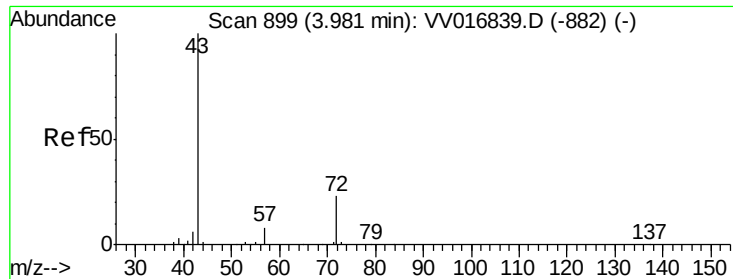
Tot Ion: 63 Resp: 244994
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.2 43.0
 83 13.9 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 51.538 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion: 96 Resp: 143090
 Ion Ratio Lower Upper
 96 100
 61 134.7 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 115.986 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

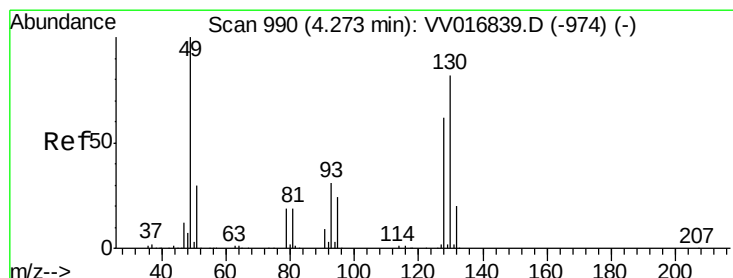
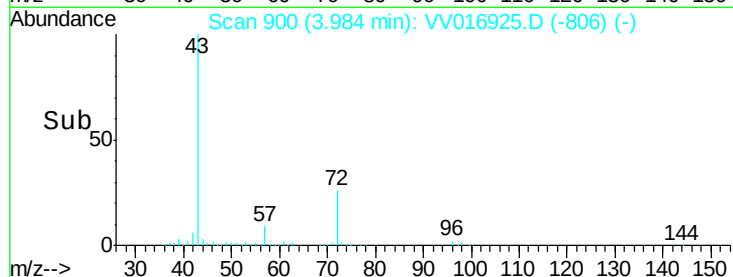
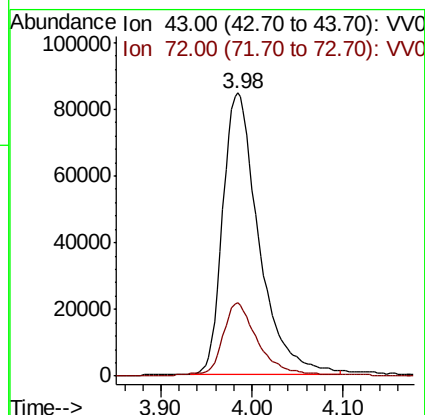
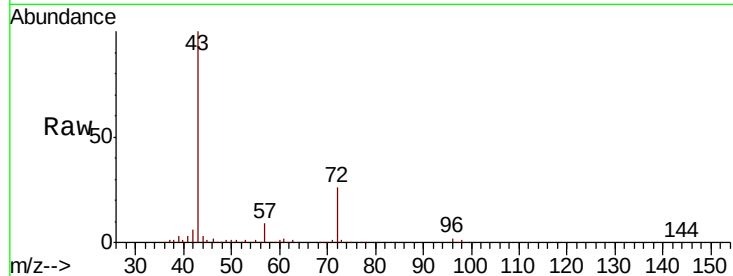
VSTD05092

Tot Ion: 43 Resp: 231615

Ion Ratio Lower Upper

43 100

72 23.2 12.4 37.4



#23

Bromochloromethane

Concen: 51.304 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Tgt Ion: 128 Resp: 75035

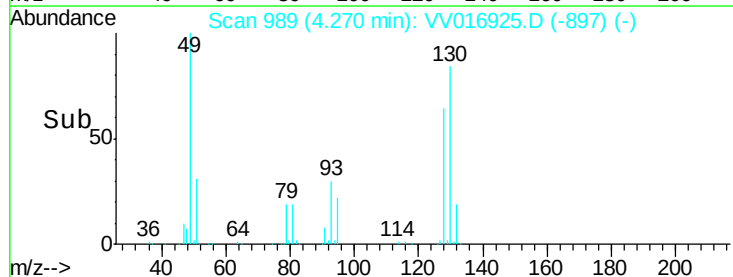
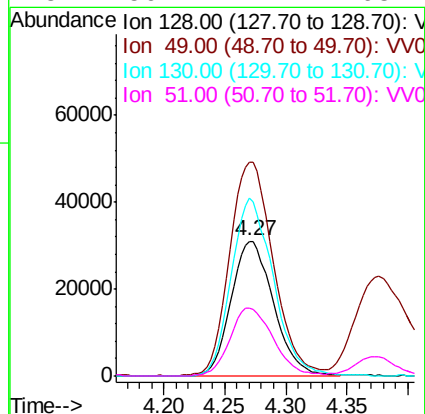
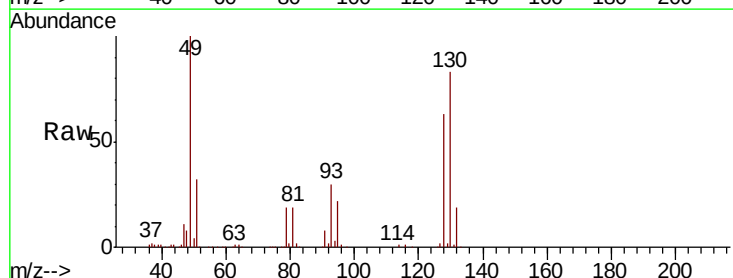
Ion Ratio Lower Upper

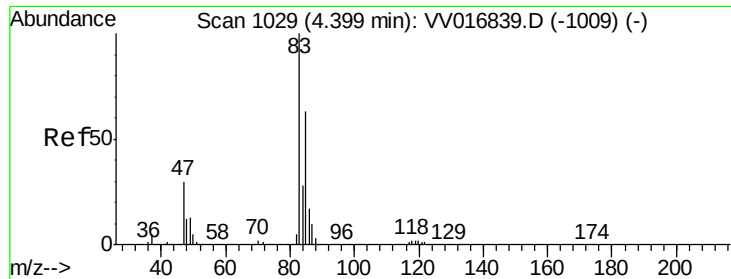
128 100

49 158.1 111.9 207.9

130 131.3 91.5 169.9

51 50.1 42.1 63.1

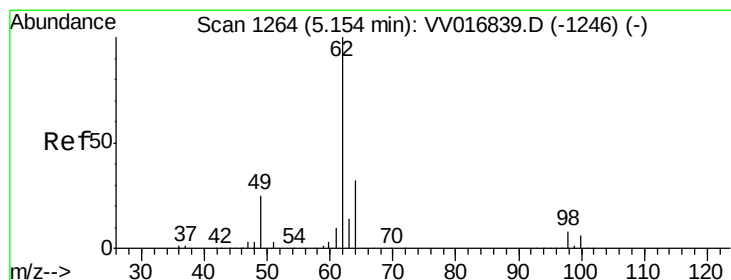
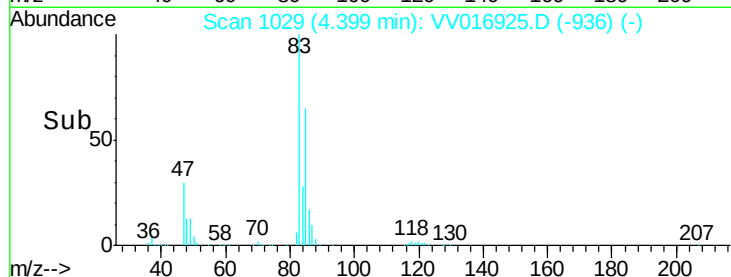
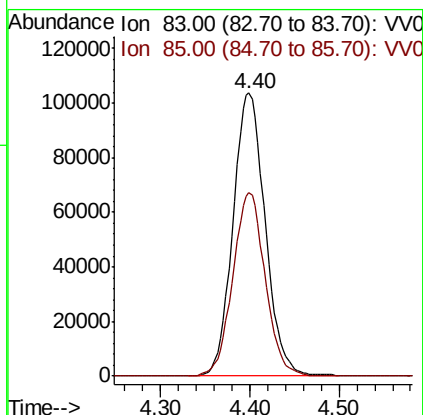
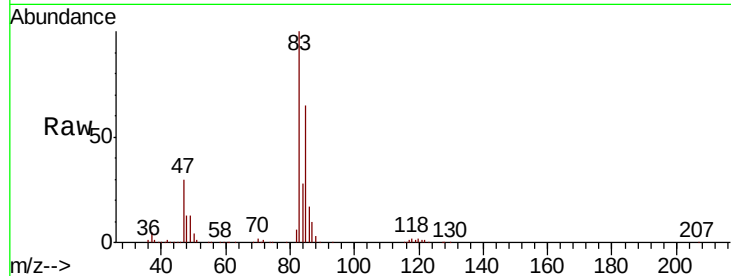




#25
Chloroform
Concen: 52.718 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

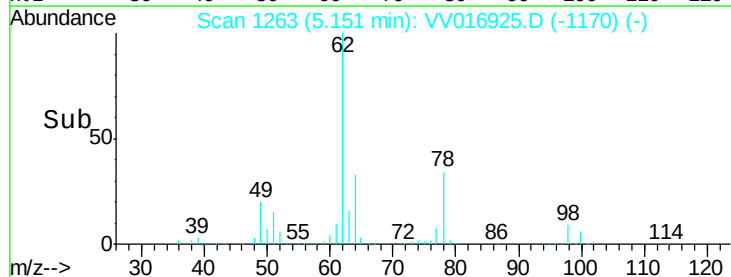
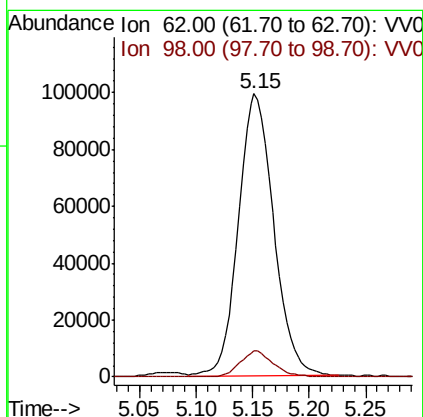
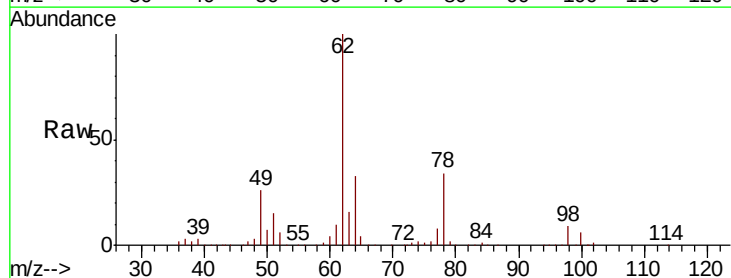
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

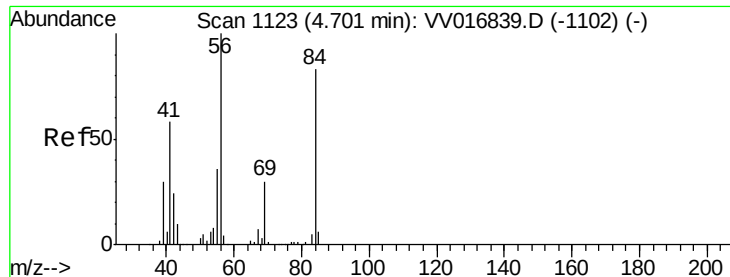
Tot Ion: 83 Resp: 259717
Ion Ratio Lower Upper
83 100
85 64.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 52.420 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Tgt Ion: 62 Resp: 216484
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

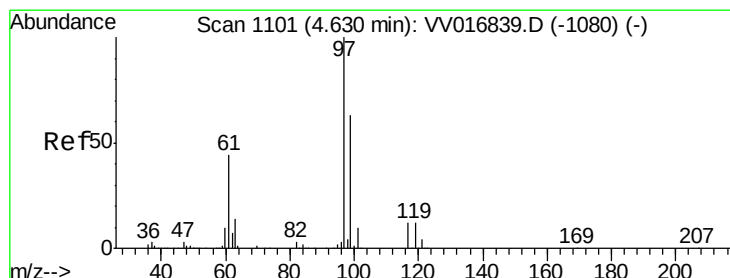
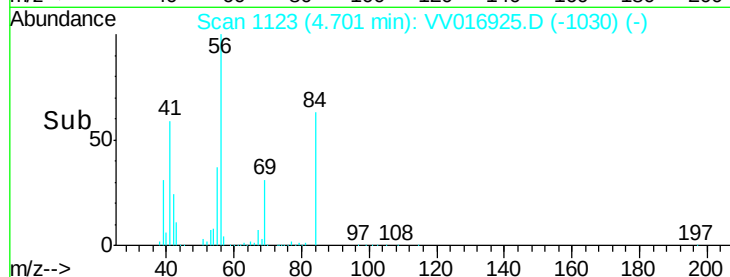
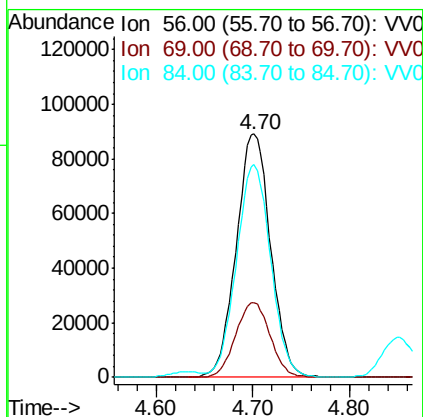
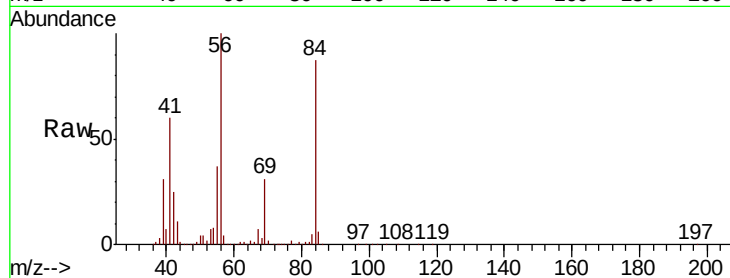




#29
Cyclohexane
Concen: 50.319 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

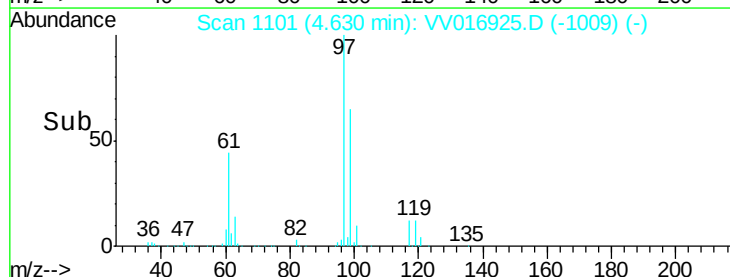
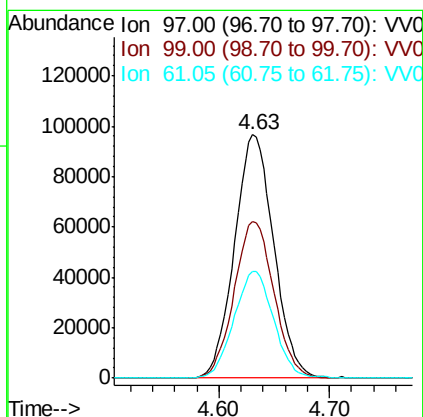
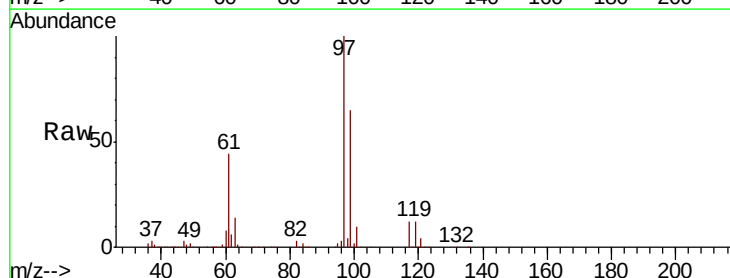
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

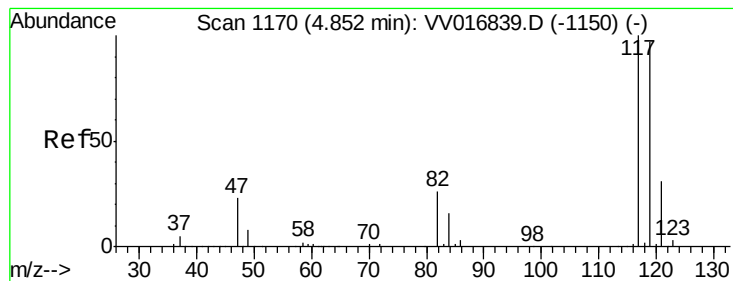
Tot Ion: 56 Resp: 220015
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.4
84 86.9 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 53.183 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Tgt Ion: 97 Resp: 238644
Ion Ratio Lower Upper
97 100
99 65.2 51.3 76.9
61 44.3 36.7 55.1





#31

Carbon tetrachloride

Concen: 55.431 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

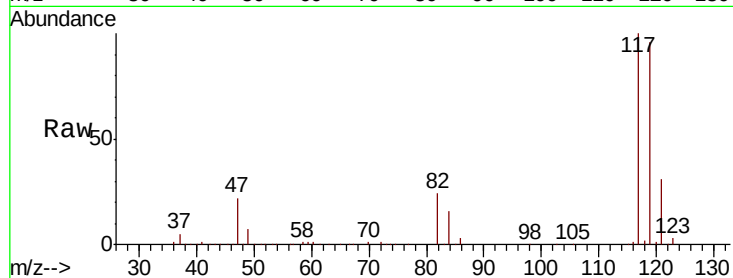
VSTD05092

Tot Ion:117 Resp: 215176

Ion Ratio Lower Upper

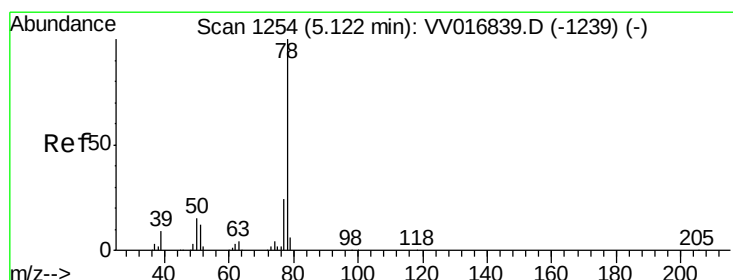
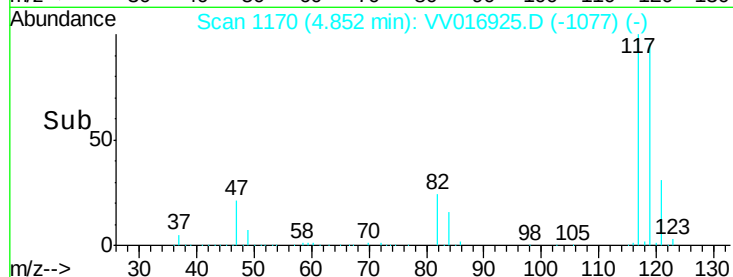
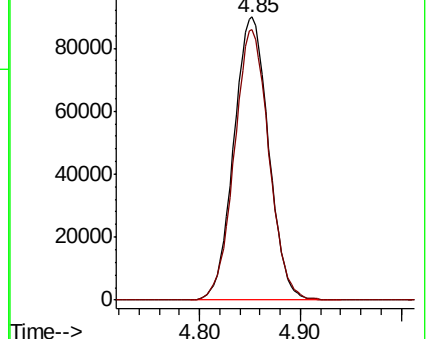
117 100

119 94.9 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.012 ug/L

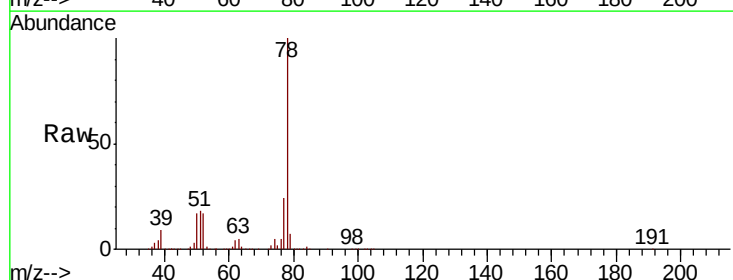
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

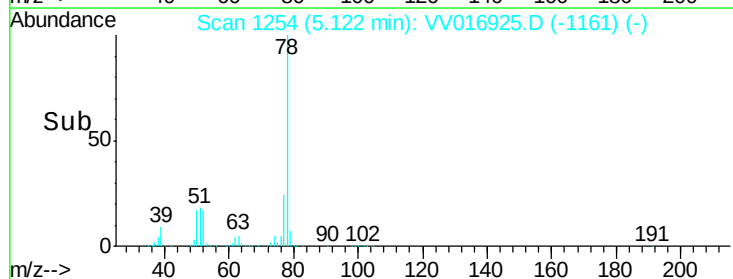
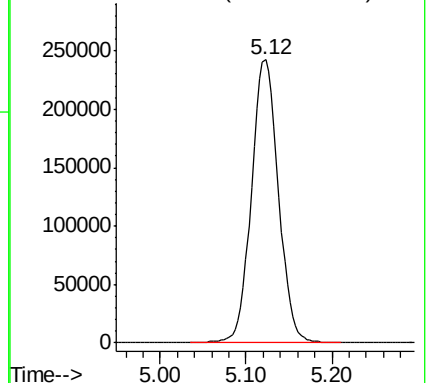
Lab File: VV016925.D

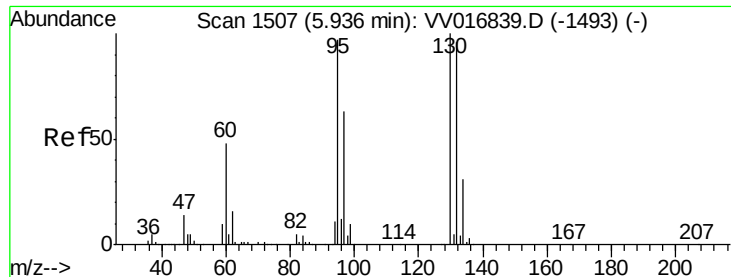
Acq: 15 Jun 2020 09:55

Tgt Ion: 78 Resp: 531056



Abundance Ion 78.00 (77.70 to 78.70): VV0

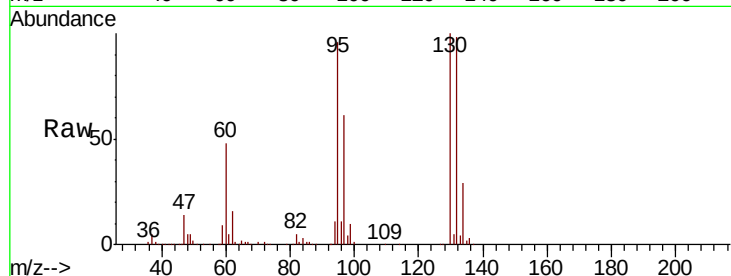




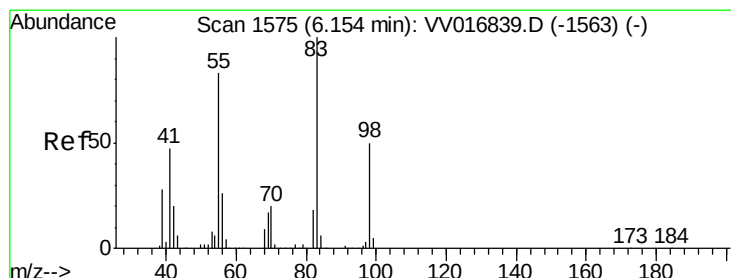
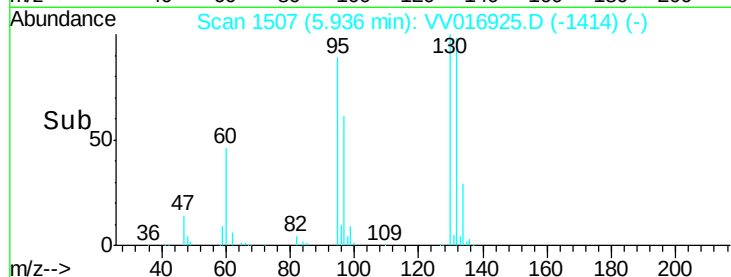
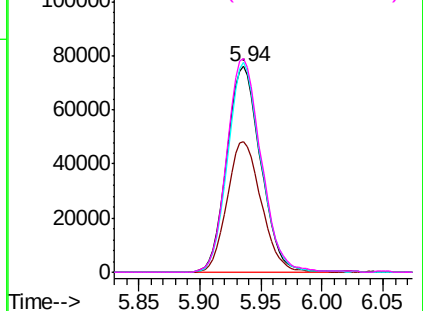
#34
 Trichloroethene
 Concen: 53.035 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion:	95	Resp:	148075
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.3	82.3
132	101.7	67.9	126.1
130	103.8	72.2	134.2

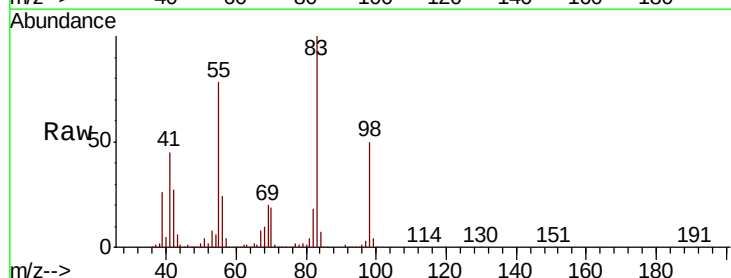


Abundance Ion 95.00 (94.70 to 95.70): VV016839.D (-1493) (-)
 Ion 97.00 (96.70 to 97.70): VV016839.D (-1493) (-)
 Ion 132.00 (131.70 to 132.70): VV016839.D (-1493) (-)
 Ion 130.00 (129.70 to 130.70): VV016839.D (-1493) (-)

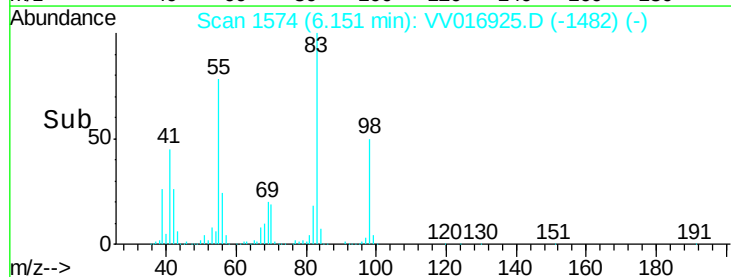
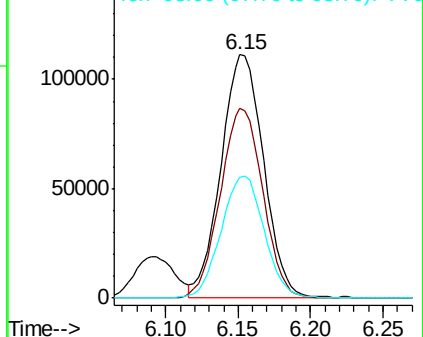


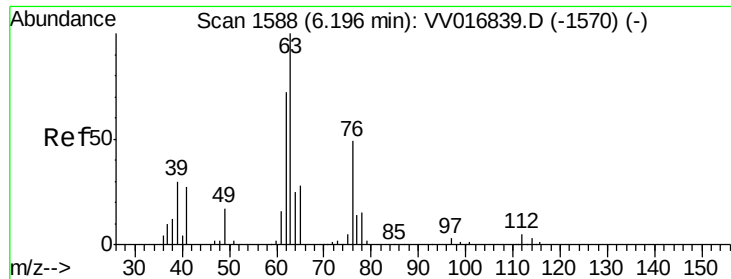
#35
 Methylcyclohexane
 Concen: 51.781 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion:	83	Resp:	226808
Ion	Ratio	Lower	Upper
83	100		
55	77.9	64.2	96.2
98	50.9	40.3	60.5



Abundance Ion 83.00 (82.70 to 83.70): VV016839.D (-1563) (-)
 Ion 55.00 (54.70 to 55.70): VV016839.D (-1563) (-)
 Ion 98.00 (97.70 to 98.70): VV016839.D (-1563) (-)

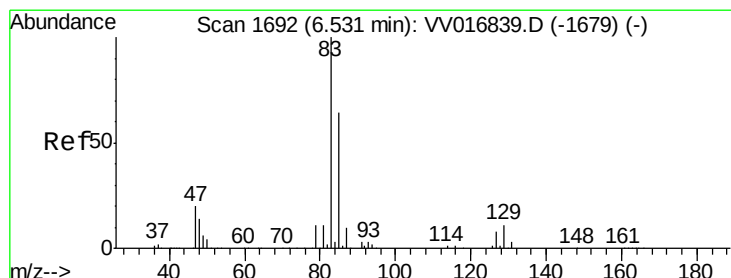
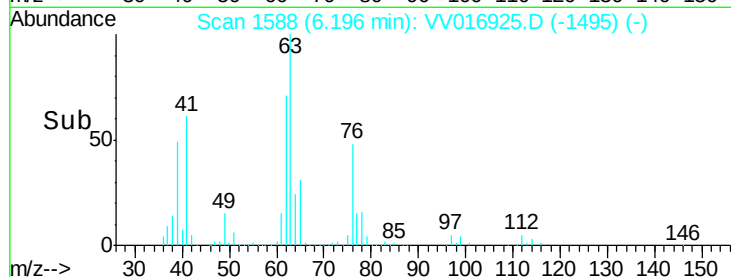
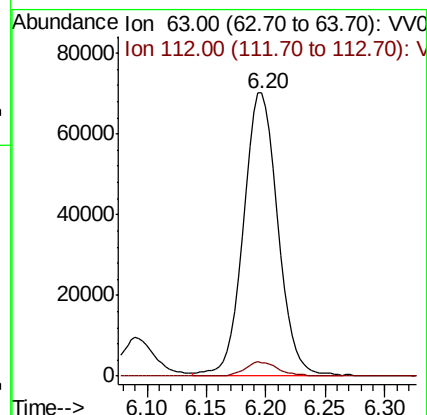
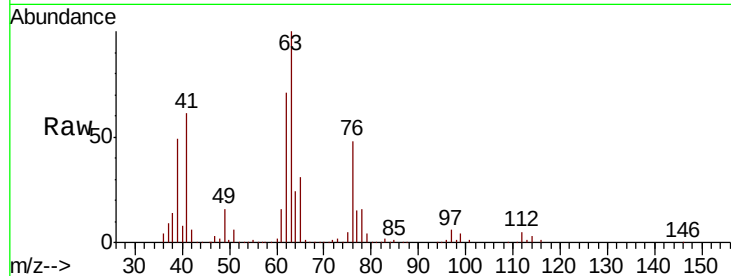




#37
 1,2-Dichloropropane
 Concen: 51.972 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

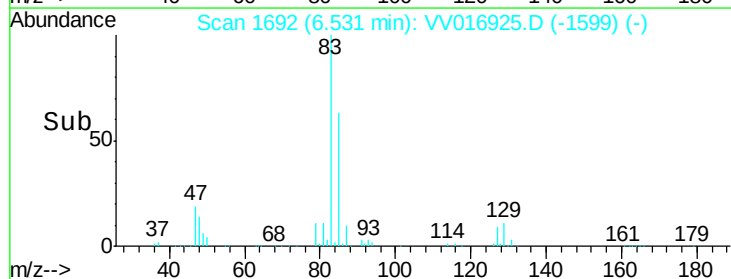
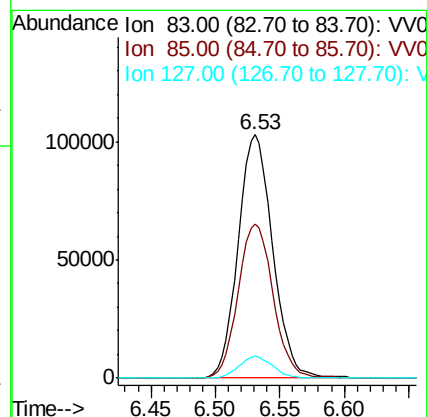
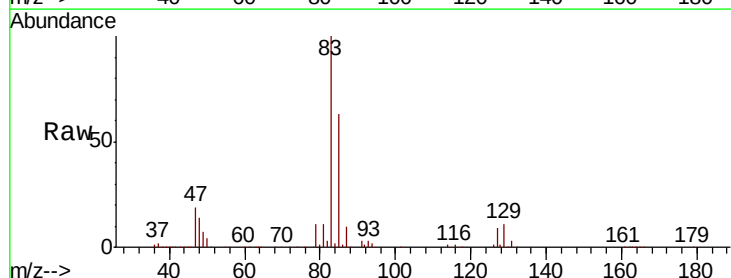
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

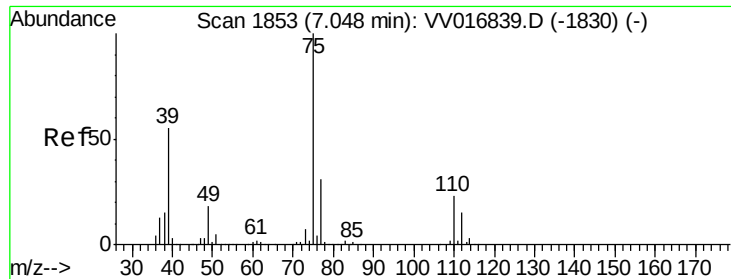
Tot Ion: 63 Resp: 140704
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 53.390 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion: 83 Resp: 192416
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.4 82.5
 127 9.0 7.4 11.0

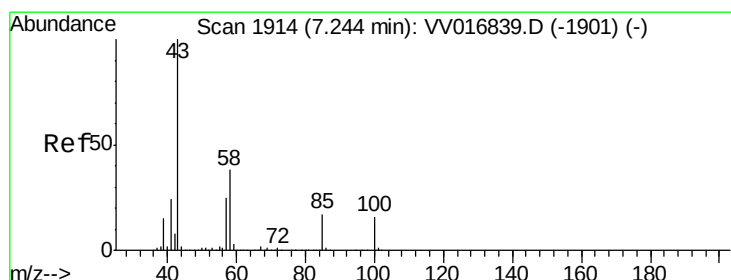
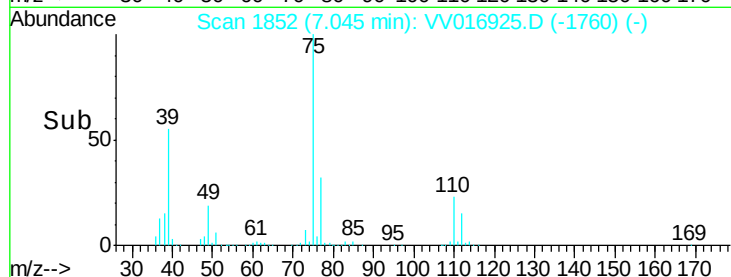
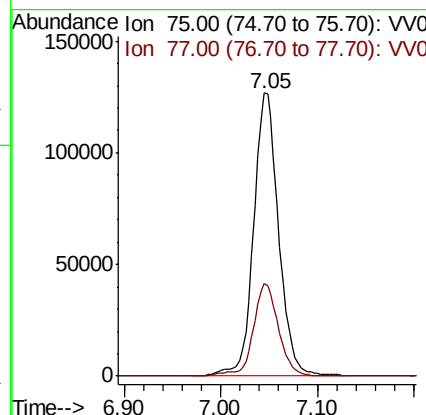
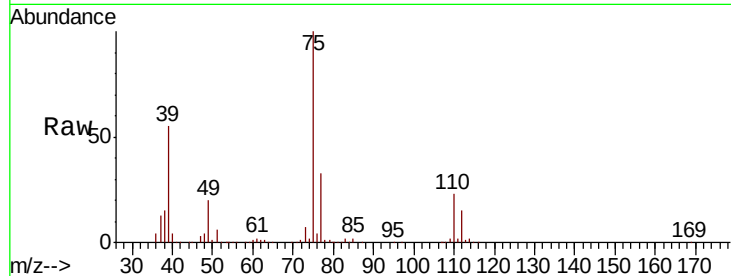




#39
 cis-1,3-Dichloropropene
 Concen: 54.228 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

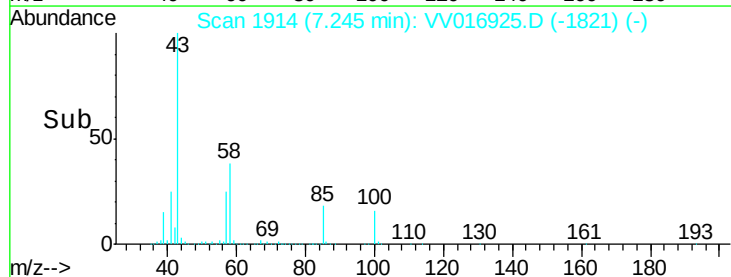
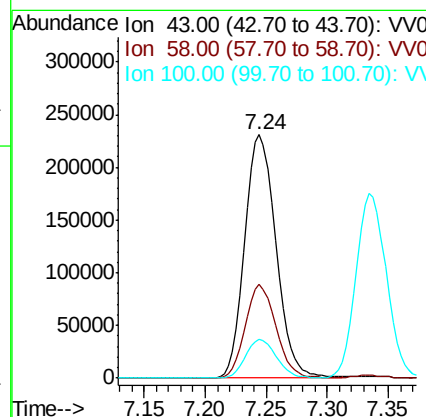
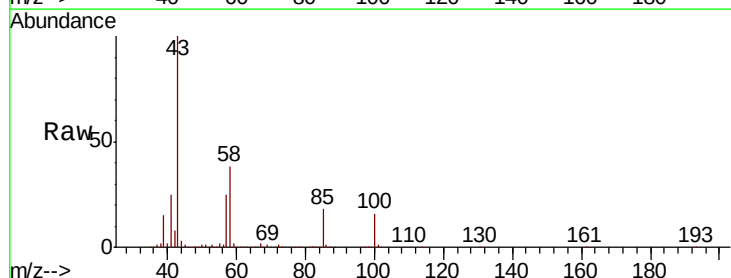
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

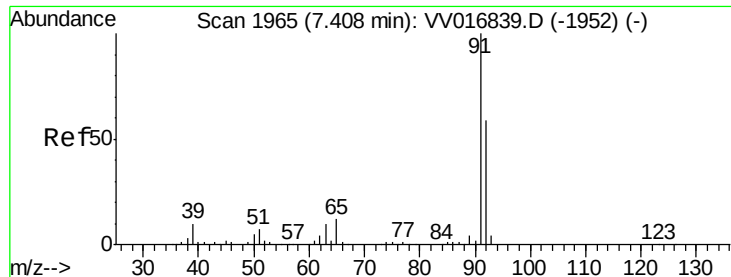
Tot Ion: 75 Resp: 228049
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 106.376 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion: 43 Resp: 408095
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.4
 100 15.9 12.3 18.5





#42

Toluene

Concen: 53.338 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

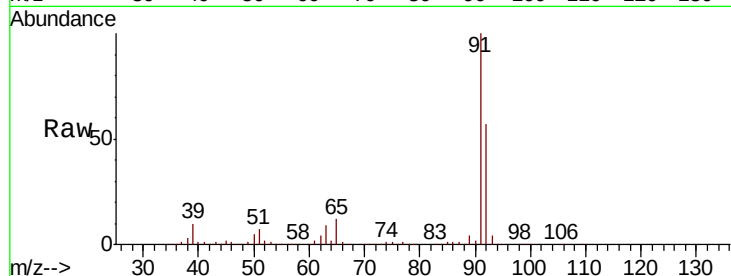
VSTD05092

Tot Ion: 91 Resp: 585361

Ion Ratio Lower Upper

91 100

92 57.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016839.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV016839.D (-1952) (-)

7.41

400000

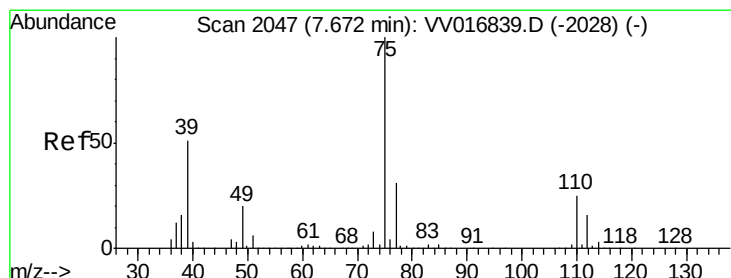
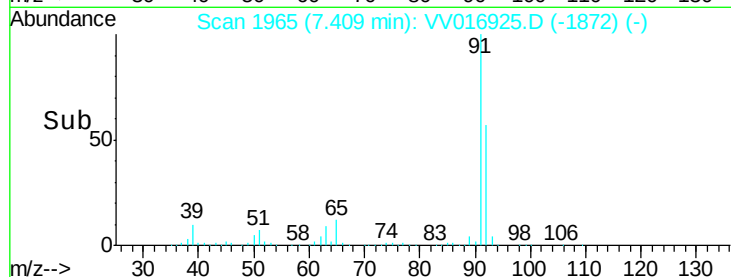
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.734 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016925.D

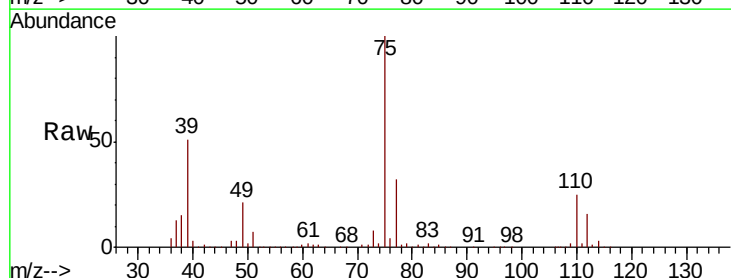
Acq: 15 Jun 2020 09:55

Tgt Ion: 75 Resp: 223779

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016839.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV016839.D (-2028) (-)

7.67

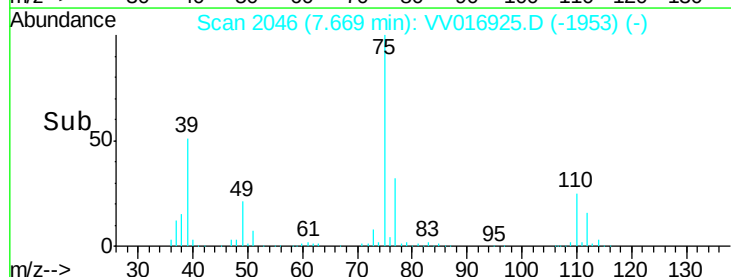
150000

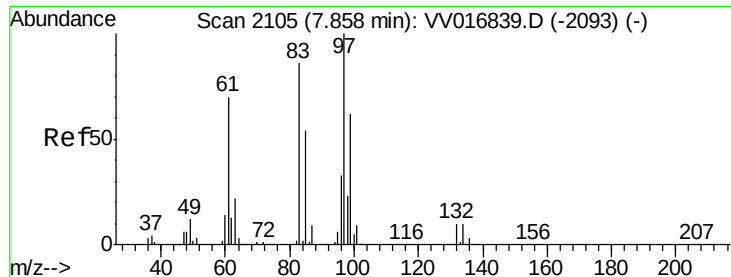
100000

50000

0

Time-->

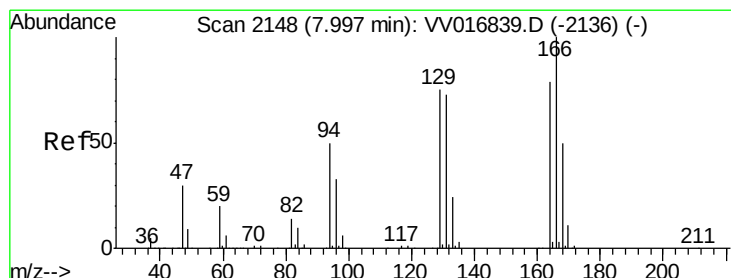
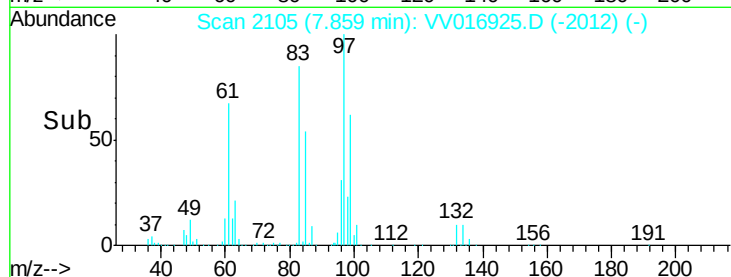
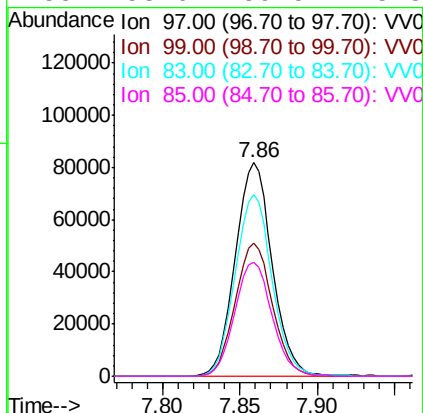
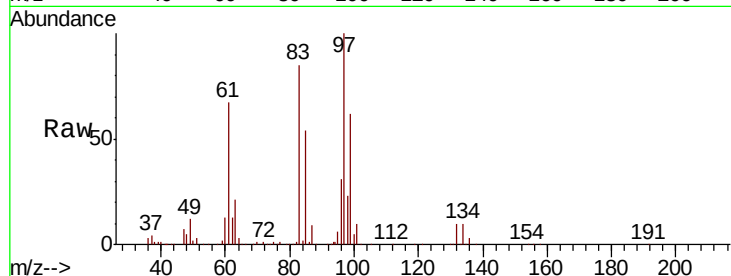




#45
1,1,2-Trichloroethane
Concen: 51.920 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

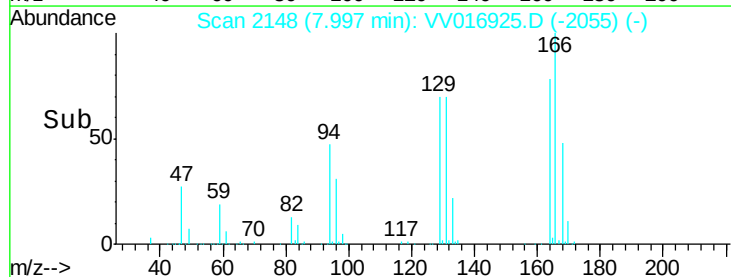
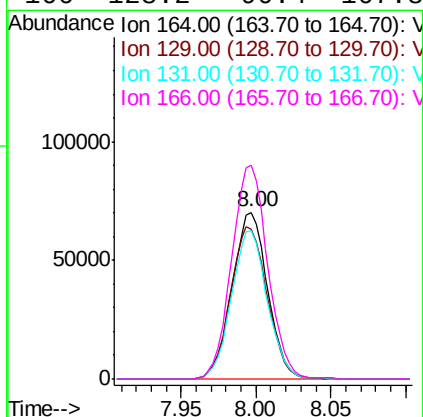
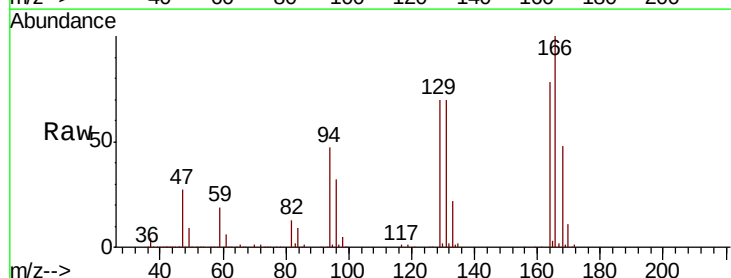
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

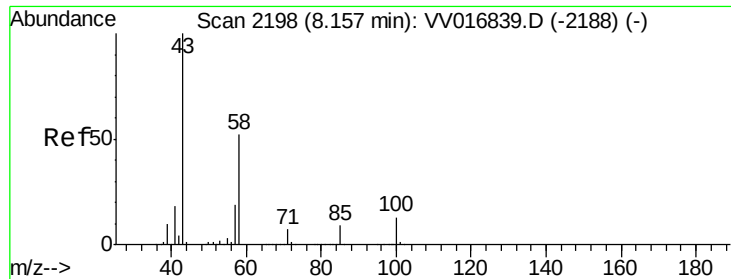
Tot Ion:	97	Resp:	135613
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.3	82.3
83	85.0	60.0	111.4
85	53.6	39.5	73.3



#46
Tetrachloroethene
Concen: 53.006 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Tgt Ion:	164	Resp:	116395
Ion	Ratio	Lower	Upper
164	100		
129	90.3	67.0	124.4
131	89.2	64.8	120.3
166	128.2	90.4	167.8

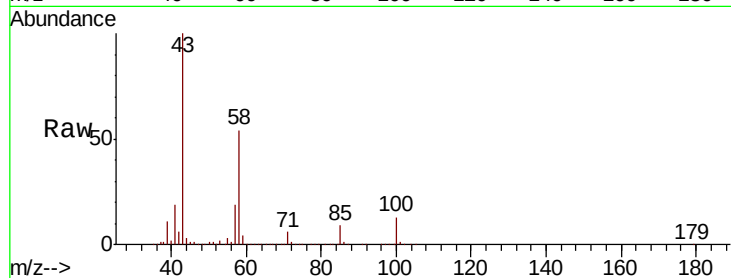




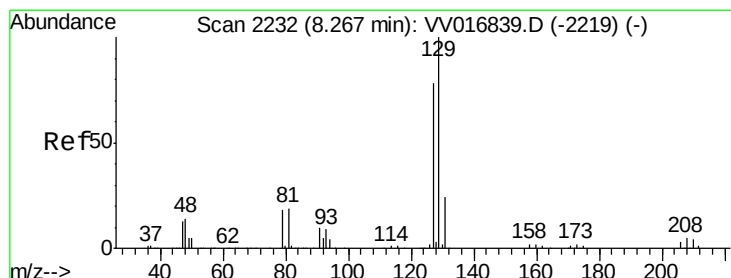
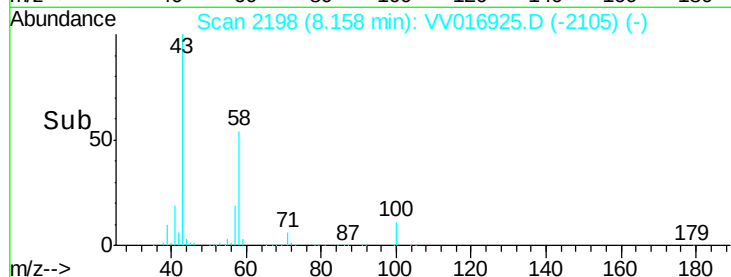
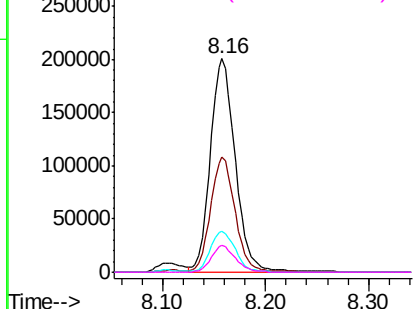
#48
2-Hexanone
Concen: 112.428 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion: 43 Resp: 334423
Ion Ratio Lower Upper
43 100
58 53.0 43.1 64.7
57 18.9 15.3 22.9
100 12.3 10.0 15.0

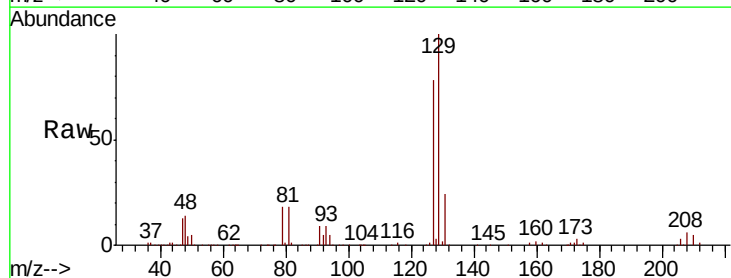


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

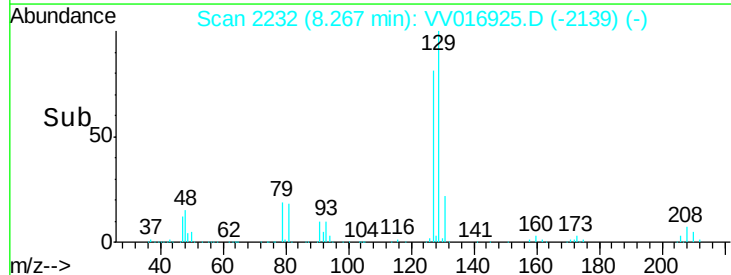
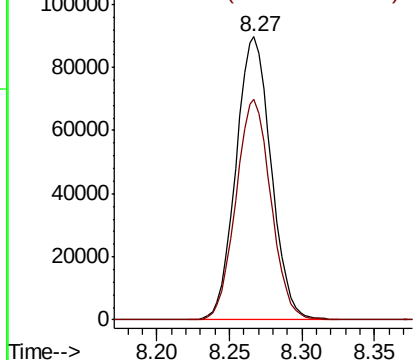


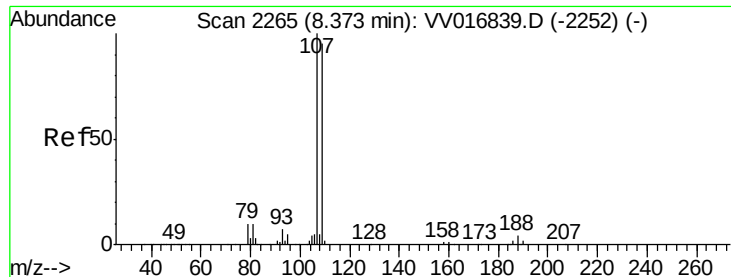
#49
Dibromochloromethane
Concen: 54.126 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016925.D
Acq: 15 Jun 2020 09:55

Tgt Ion: 129 Resp: 151160
Ion Ratio Lower Upper
129 100
127 78.1 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

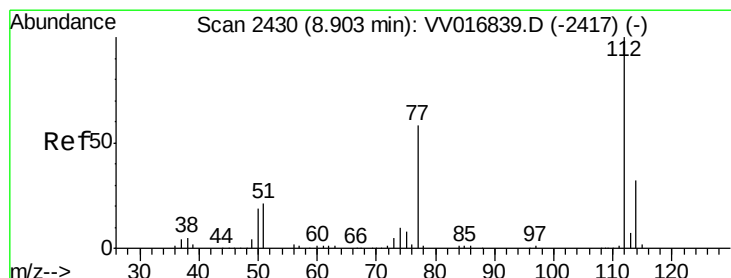
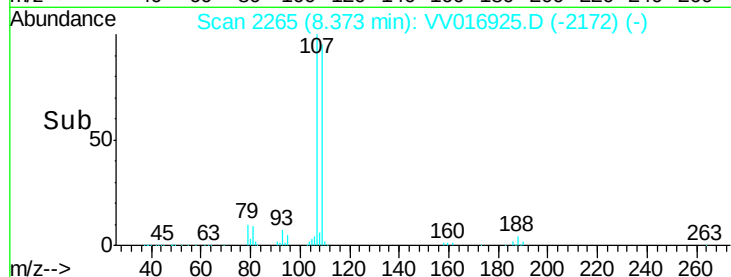
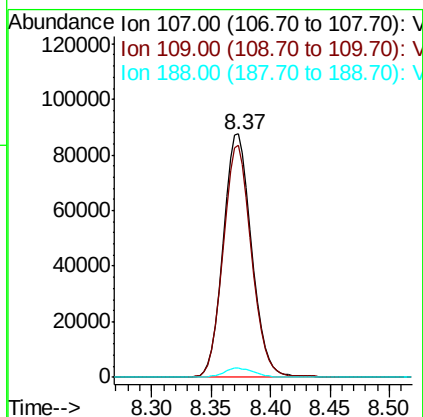
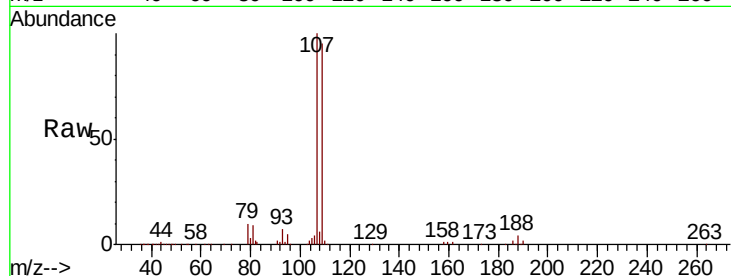




#50
 1,2-Dibromoethane
 Concen: 53.066 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

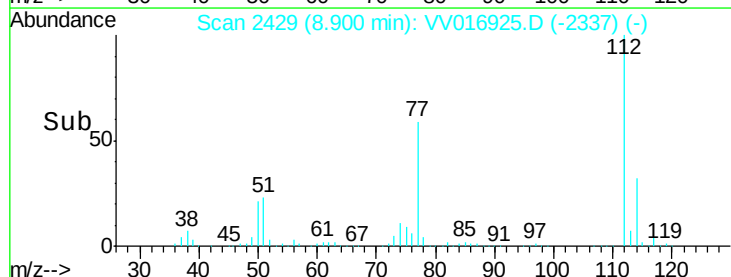
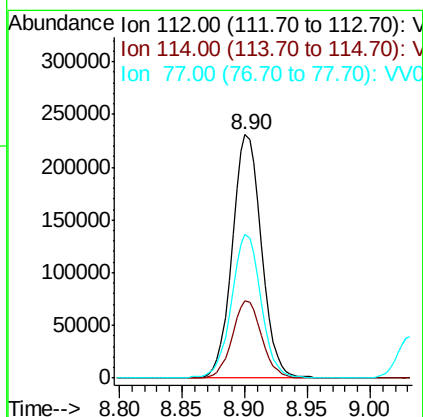
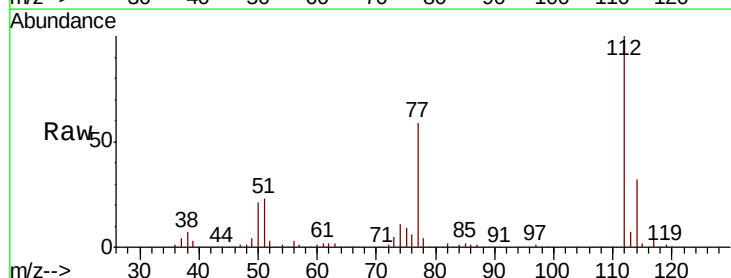
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

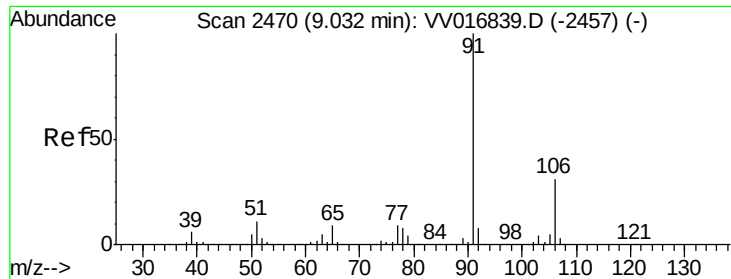
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.4	123.2
188	3.9	3.1	4.7



#51
 Chlorobenzene
 Concen: 52.175 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	58.8	47.9	71.9





#52

Ethylbenzene

Concen: 53.760 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

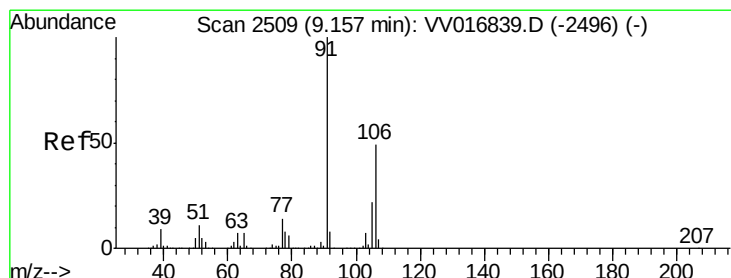
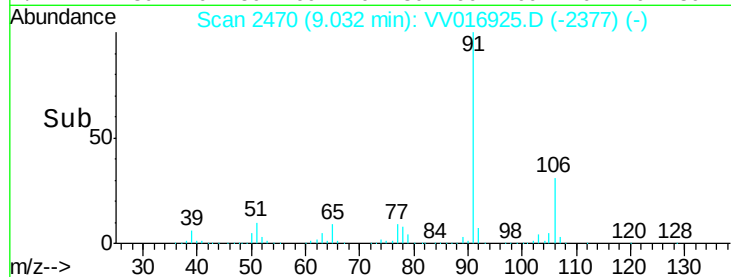
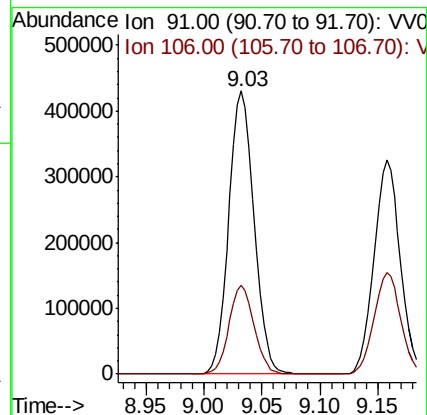
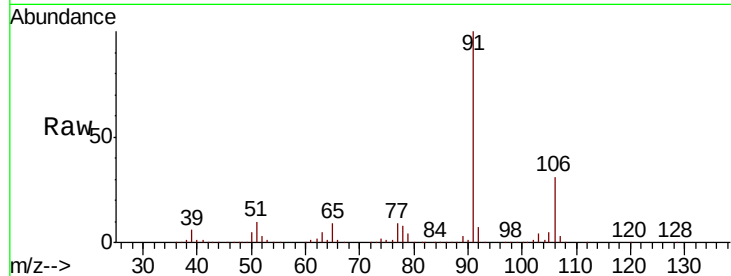
VSTD05092

Tot Ion: 91 Resp: 653497

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.1



#53

m,p-Xylene

Concen: 54.391 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016925.D

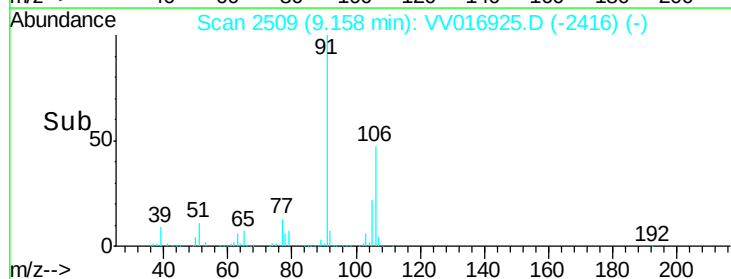
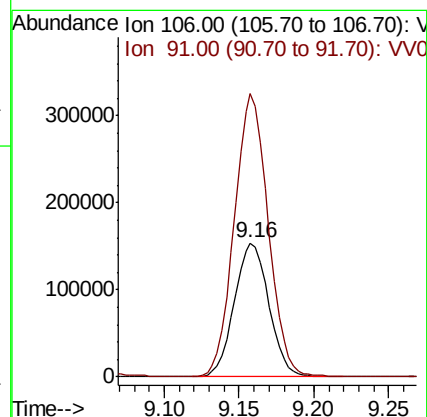
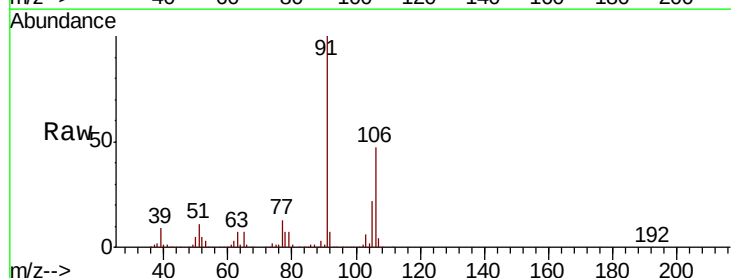
Acq: 15 Jun 2020 09:55

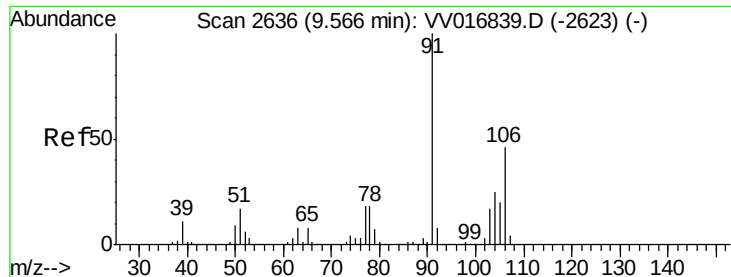
Tgt Ion: 106 Resp: 246172

Ion Ratio Lower Upper

106 100

91 211.4 144.6 268.6





#54

o-xylene

Concen: 53.939 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

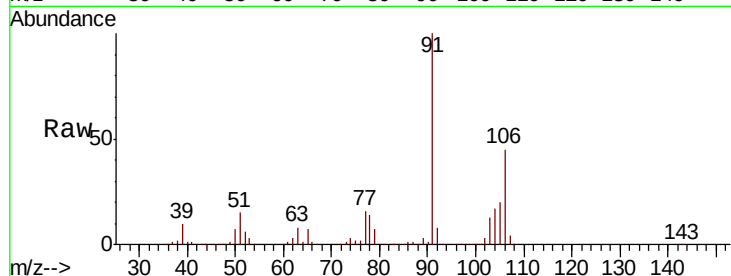
VSTD05092

Tot Ion:106 Resp: 240770

Ion Ratio Lower Upper

106 100

91 223.7 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

400000

300000

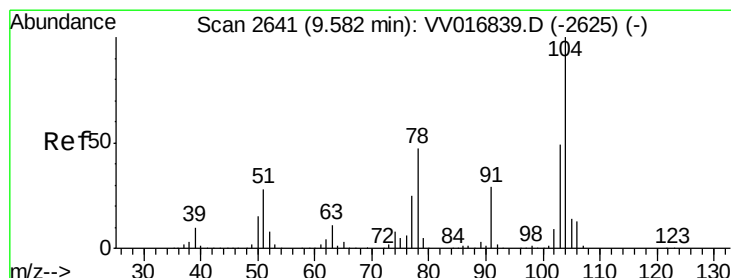
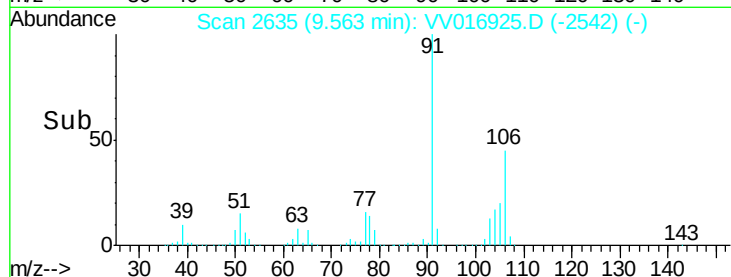
200000

100000

0

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 54.412 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016925.D

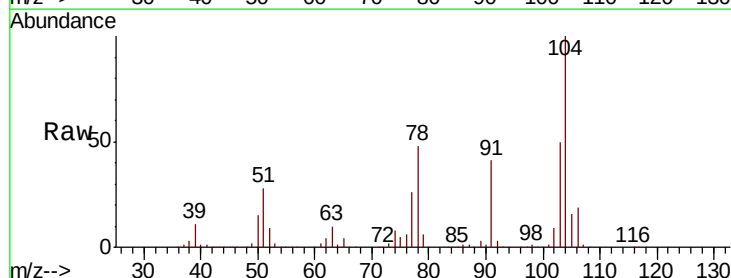
Acq: 15 Jun 2020 09:55

Tgt Ion:104 Resp: 410642

Ion Ratio Lower Upper

104 100

78 48.3 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

300000

250000

200000

150000

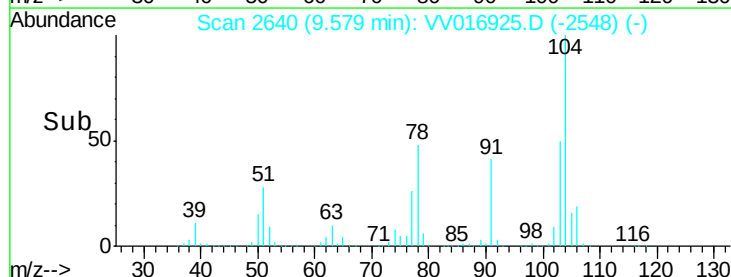
100000

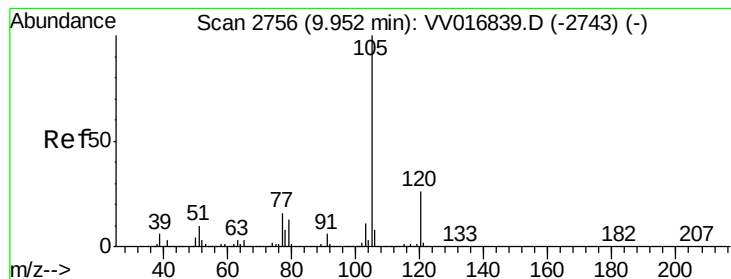
50000

0

9.50 9.55 9.60 9.65

Time-->





#56

Isopropylbenzene

Concen: 54.565 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

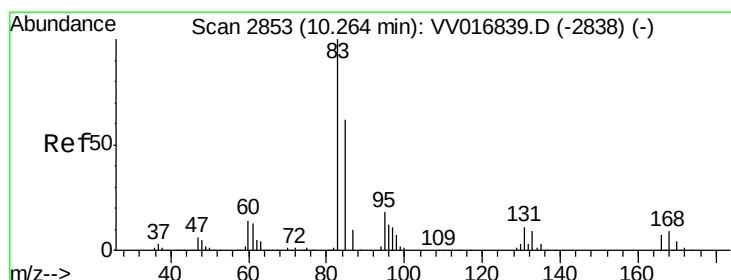
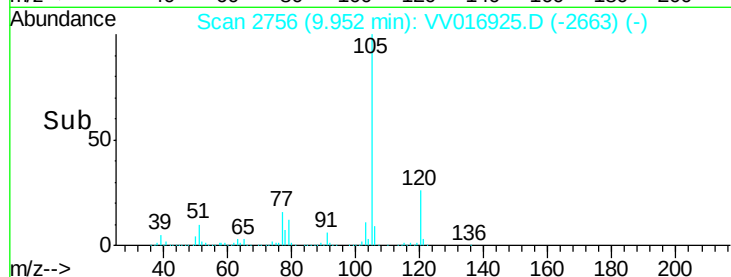
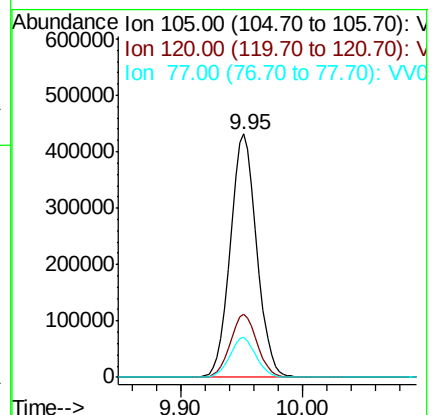
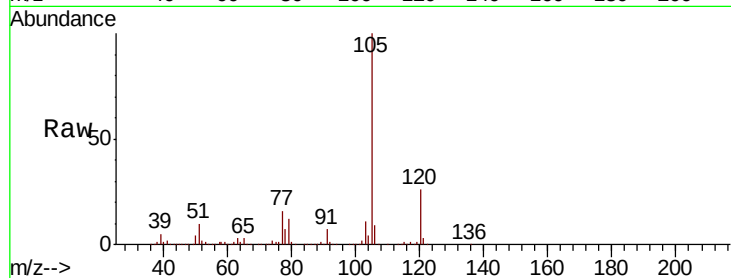
Tot Ion:105 Resp: 654459

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.119 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

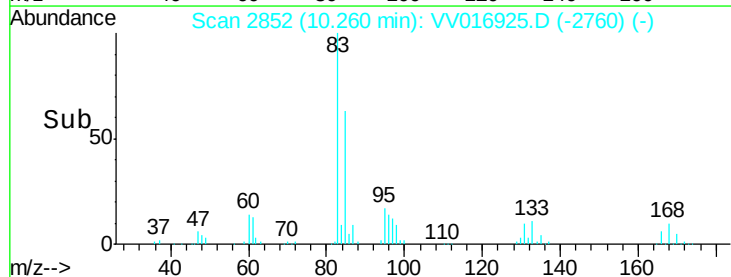
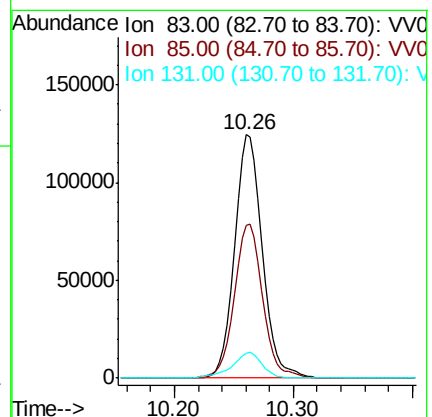
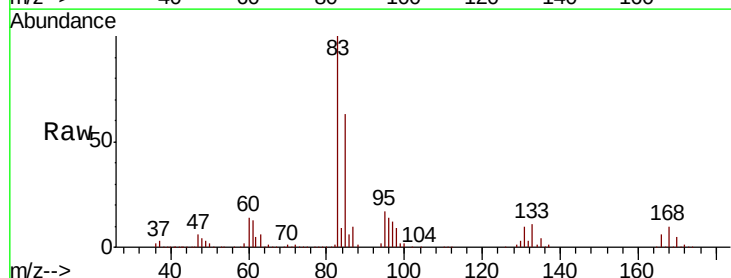
Tgt Ion: 83 Resp: 200713

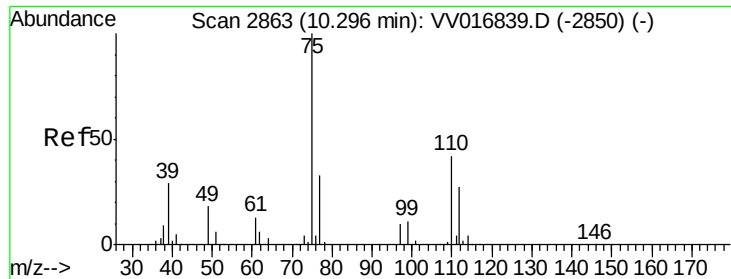
Ion Ratio Lower Upper

83 100

85 62.9 46.8 86.8

131 10.4 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 51.634 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

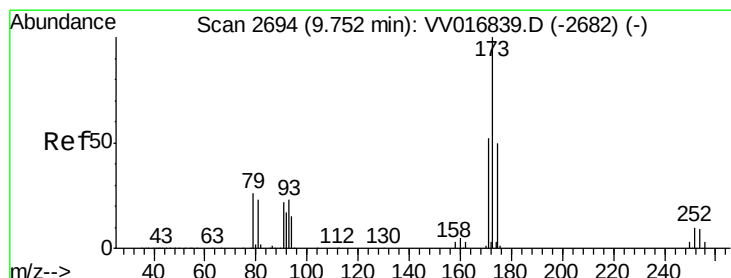
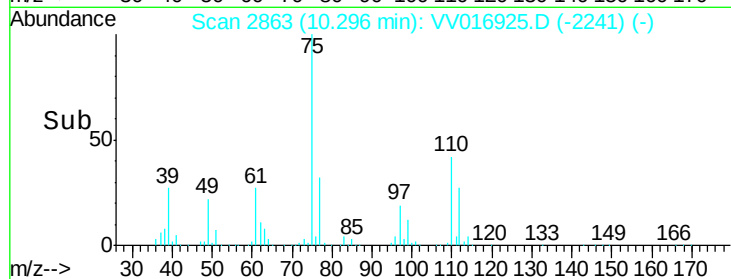
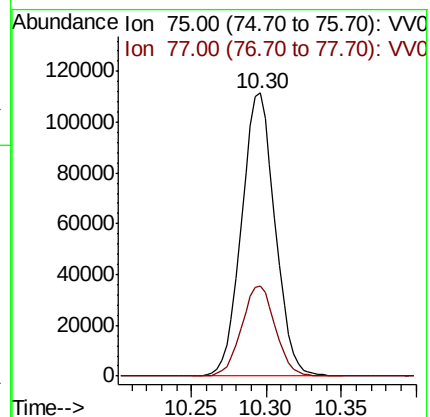
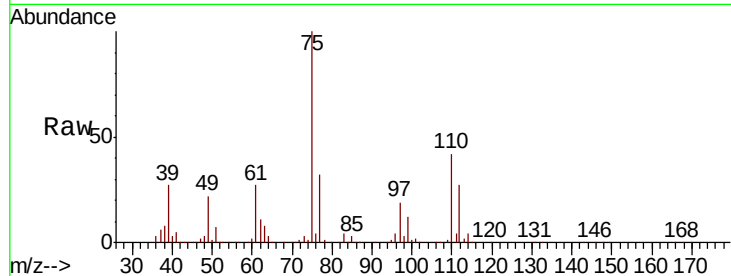
VSTD05092

Tot Ion: 75 Resp: 173443

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1



#61

Bromoform

Concen: 55.526 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

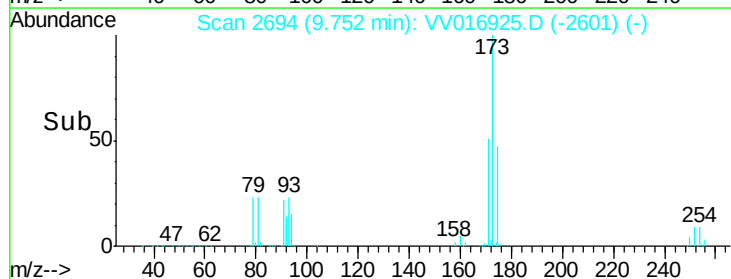
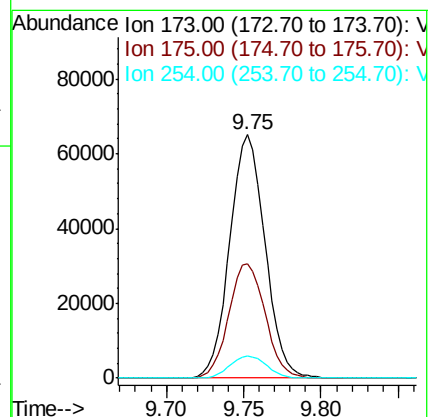
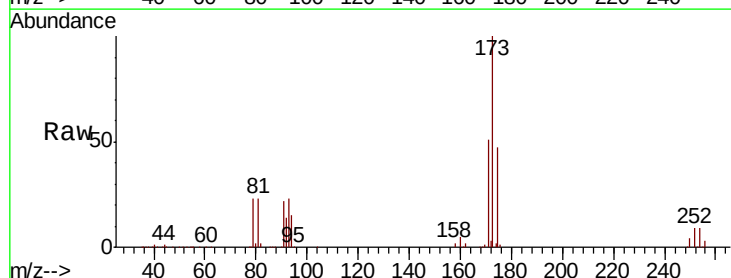
Tgt Ion: 173 Resp: 103071

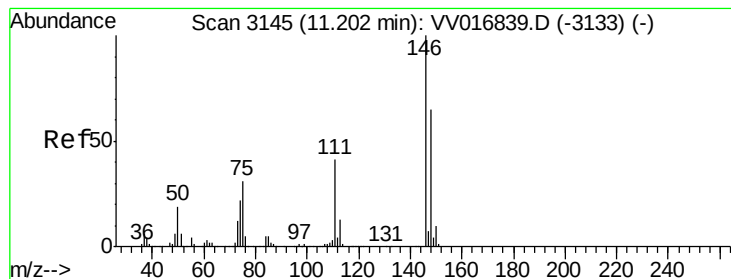
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 9.2 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 53.072 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

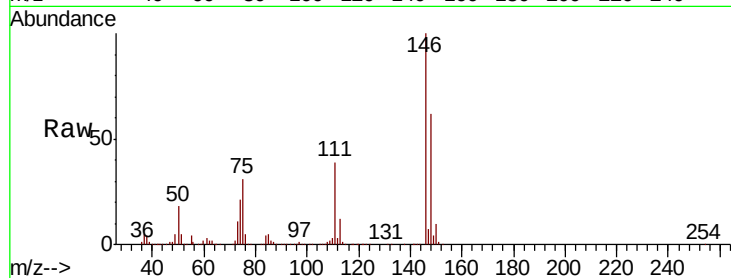
Tot Ion:146 Resp: 303361

Ion Ratio Lower Upper

146 100

111 39.0 28.3 52.7

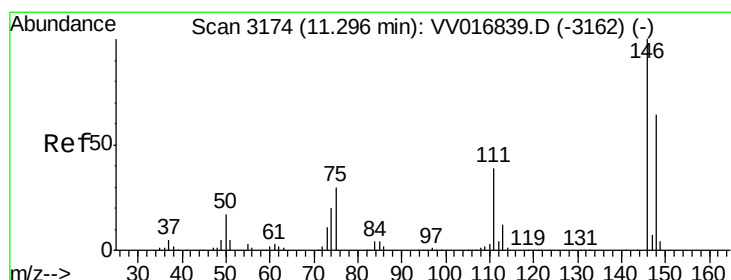
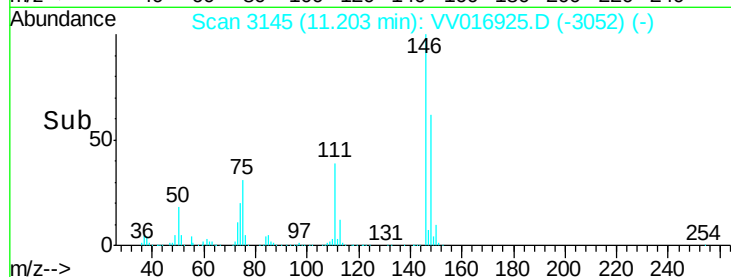
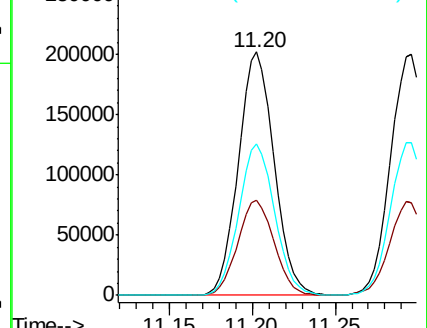
148 62.4 44.2 82.2



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: 51.975 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

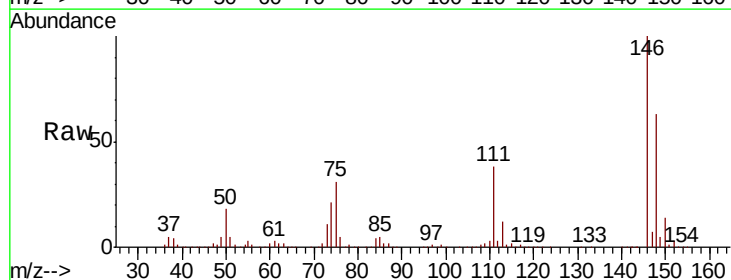
Tgt Ion:146 Resp: 302281

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

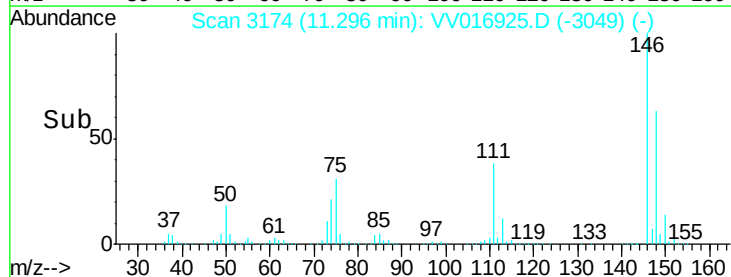
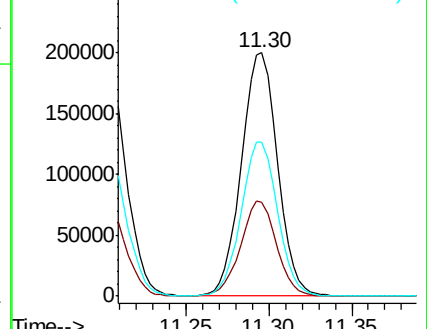
148 63.1 43.5 80.9

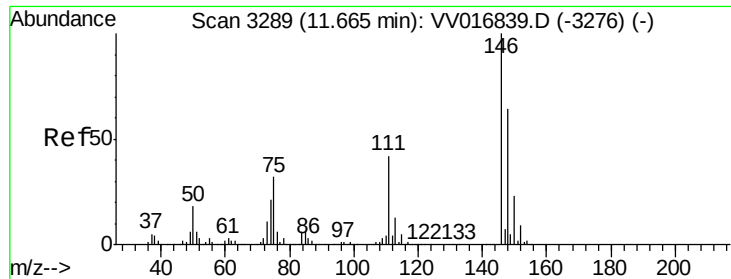


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

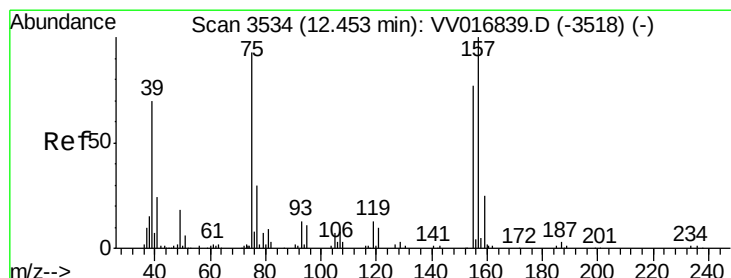
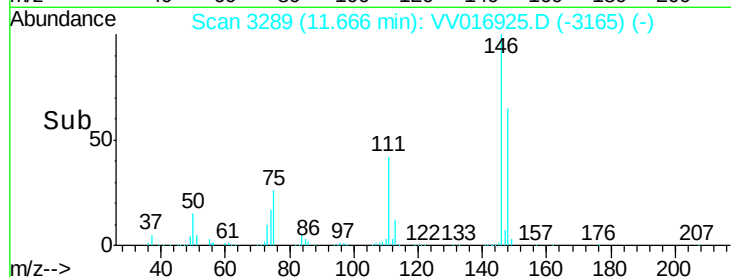
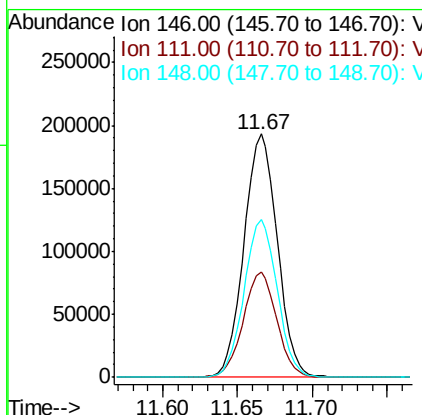
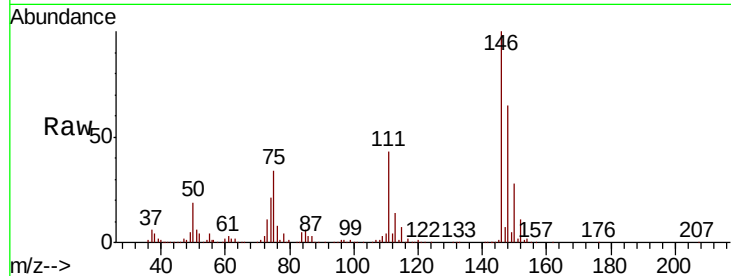




#65
 1,2-Dichlorobenzene
 Concen: 52.430 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

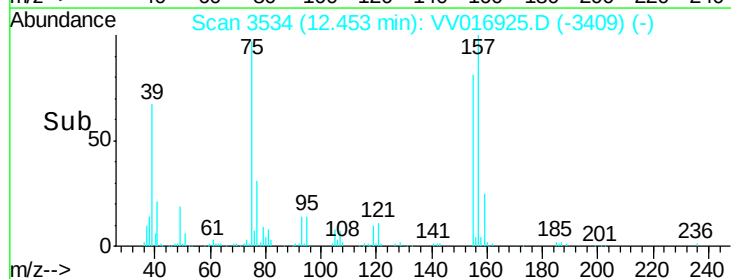
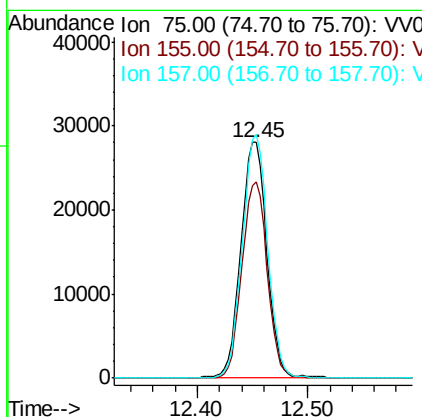
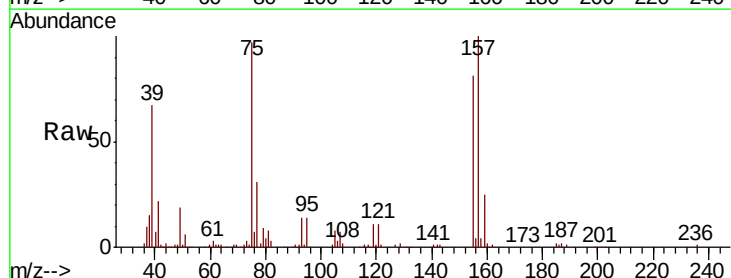
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

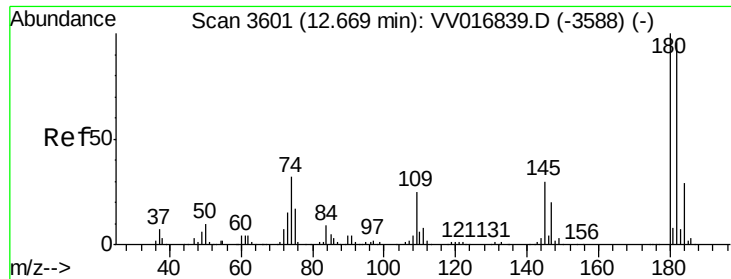
Tot Ion:146 Resp: 300333
 Ion Ratio Lower Upper
 146 100
 111 43.2 33.7 50.5
 148 64.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.960 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion: 75 Resp: 45901
 Ion Ratio Lower Upper
 75 100
 155 83.3 69.8 104.6
 157 103.2 83.4 125.2

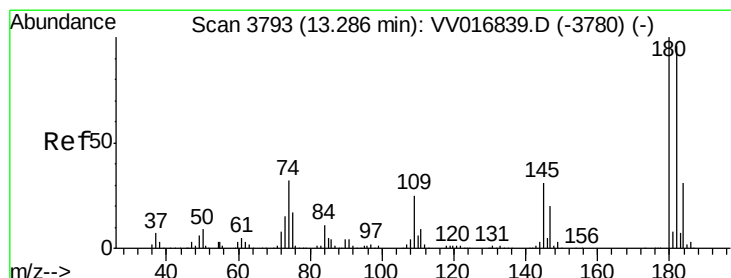
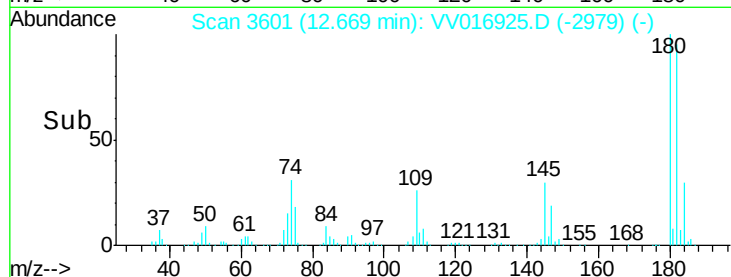
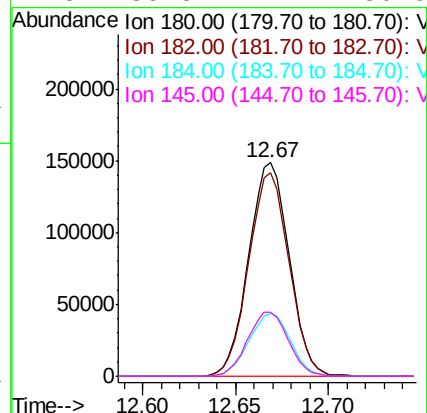
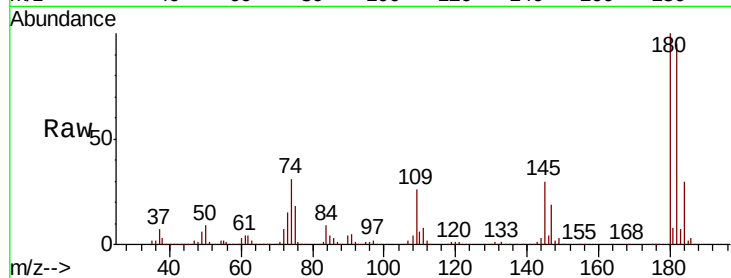




#67
 1,3,5-Trichlorobenzene
 Concen: 52.994 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

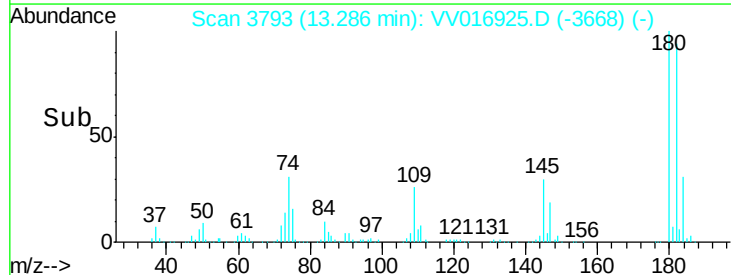
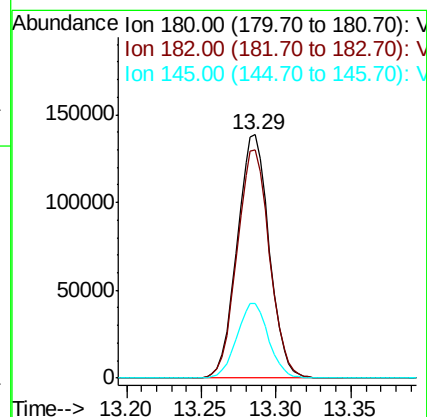
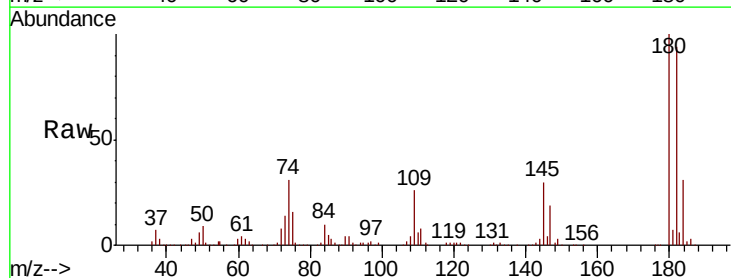
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

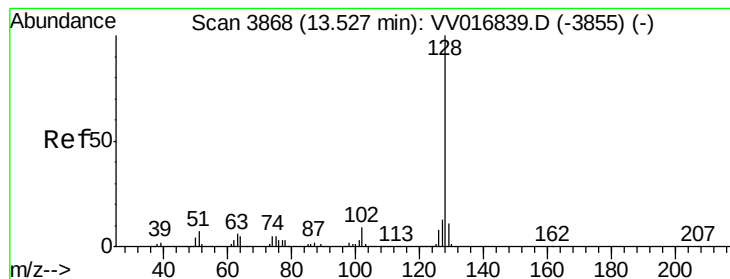
Tot Ion	180.00	Resp	225880
Ion Ratio	100	Lower	Upper
180	100		
182	95.3	75.0	112.6
184	30.2	24.5	36.7
145	30.3	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 52.934 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016925.D
 Acq: 15 Jun 2020 09:55

Tgt Ion	180.00	Resp	206953
Ion Ratio	100	Lower	Upper
180	100		
182	94.8	76.9	115.3
145	30.4	25.2	37.8





#69

Naphthalene

Concen: 52.992 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Instrument :

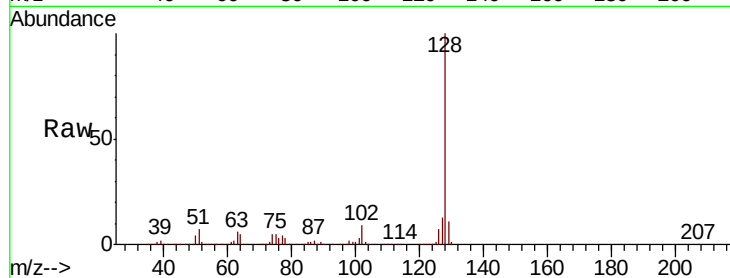
MSVOA_V

ClientSampleId :

VSTD05092

Tot Ion:128 Resp: 595947

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1

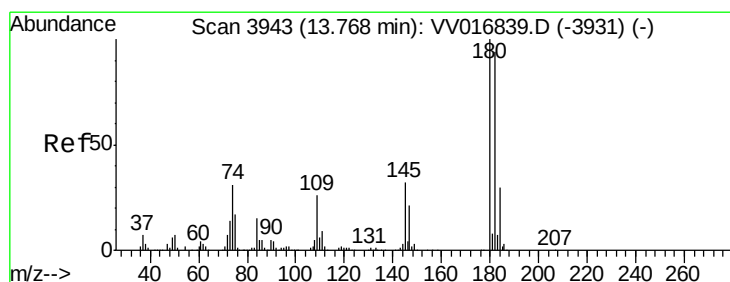
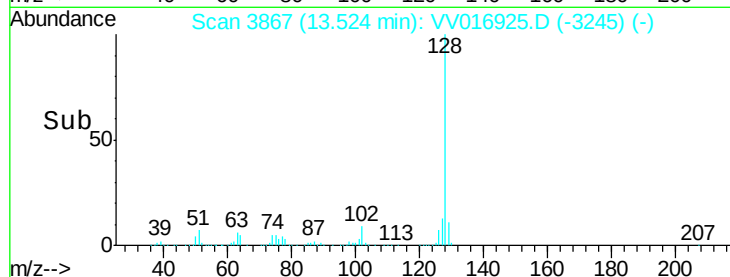
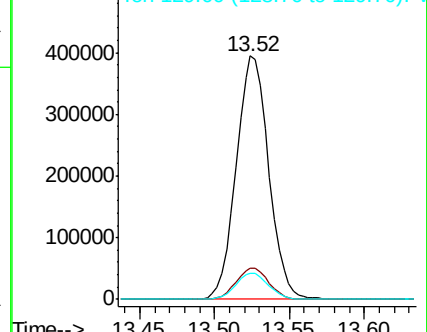


Abundance

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: 53.375 ug/L

RT: 13.77 min Scan# 3943

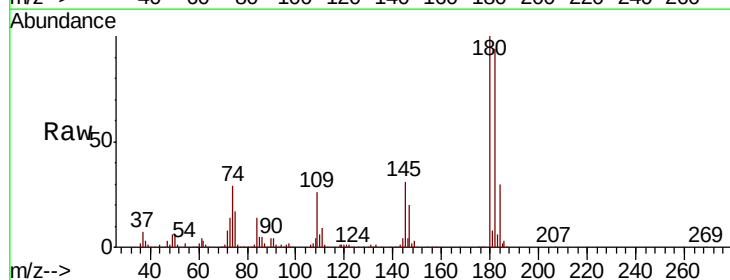
Delta R.T. -0.00 min

Lab File: VV016925.D

Acq: 15 Jun 2020 09:55

Tgt Ion:180 Resp: 204181

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.5	114.7
145	32.5	26.1	39.1



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

