

Data File : VV013723.D
Acq On : 21 Nov 2019 19:30
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Nov 22 04:01:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 03:55:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	349528	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339819	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	189952	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120226	5.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.40%
7) Chloroethane-d5	1.58	69	115804	6.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.20%
11) 1,1-Dichloroethene-d2	2.13	63	215907	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.60%
20) 2-Butanone-d5	3.95	46	349337	69.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.94%#
24) Chloroform-d	4.40	84	272258	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.08	65	135065	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
32) Benzene-d6	5.09	84	543891	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
36) 1,2-Dichloropropane-d6	6.11	67	161810	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.36	98	519209	5.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.00%
43) trans-1,3-Dichloropropene-	7.66	79	60876	5.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.00%
46) 2-Hexanone-d5	8.13	63	270639	66.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.78%#
57) 1,1,2,2-Tetrachloroethane-	10.25	84	123571	6.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	203595	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	135665	4.221 ug/L	99
3) Chloromethane	1.25	50	116253	3.759 ug/L	98
5) Vinyl chloride	1.32	62	121608	4.128 ug/L	99
6) Bromomethane	1.53	94	55976	3.118 ug/L	96
8) Chloroethane	1.60	64	75594	4.571 ug/L	99
9) Trichlorofluoromethane	1.77	101	183650	4.690 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	108021	5.022 ug/L	98
12) 1,1-Dichloroethene	2.14	96	94819	4.541 ug/L #	78
13) Acetone	2.22	43	186381	59.163 ug/L #	35
14) Carbon disulfide	2.32	76	232531	3.228 ug/L	100
15) Methyl Acetate	2.47	43	47556	5.330 ug/L	97
16) Methylene chloride	2.53	84	120297	4.145 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	274959	5.155 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	112734	4.378 ug/L	93
19) 1,1-Dichloroethane	3.23	63	216802	4.714 ug/L	99
21) 2-Butanone	4.04	43	309353	58.558 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	126525	4.734 ug/L #	100

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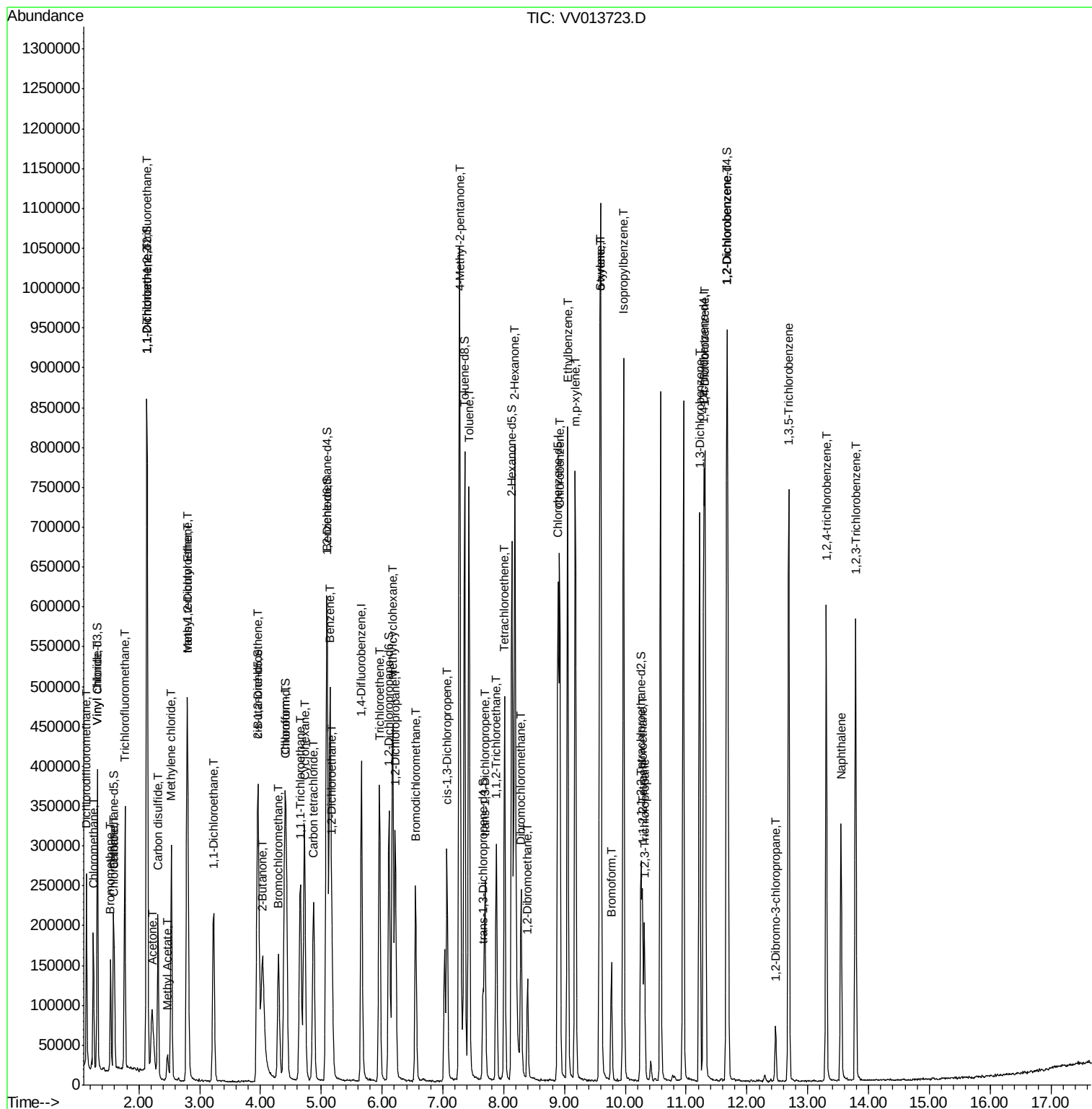
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	59418	4.822	ug/L	97
25) Chloroform	4.42	83	246630	3.960	ug/L	98
27) 1,2-Dichloroethane	5.18	62	136765	4.943	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	197299	4.803	ug/L	98
30) Cyclohexane	4.72	56	166270	4.069	ug/L	99
31) Carbon tetrachloride	4.87	117	172731	4.655	ug/L	100
33) Benzene	5.14	78	483521	4.701	ug/L	100
34) Trichloroethene	5.96	95	127184	4.620	ug/L	97
35) Methylcyclohexane	6.17	83	174836	4.163	ug/L	99
37) 1,2-Dichloropropane	6.22	63	121310	4.925	ug/L	100
38) Bromodichloromethane	6.55	83	159948	4.657	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	173721	4.907	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	790771	55.186	ug/L	99
42) Toluene	7.43	91	531900	4.840	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	139466	4.998	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	91233	5.137	ug/L	99
47) Tetrachloroethene	8.02	164	115101	4.512	ug/L	97
48) 2-Hexanone	8.18	43	557594	54.866	ug/L	96
49) Dibromochloromethane	8.29	129	114819	5.092	ug/L	98
50) 1,2-Dibromoethane	8.39	107	84112	4.930	ug/L #	99
51) Chlorobenzene	8.92	112	349912	4.802	ug/L	99
52) Ethylbenzene	9.05	91	557041	4.756	ug/L	99
53) m,p-xylene	9.18	106	221075	5.004	ug/L	99
54) o-xylene	9.58	106	211963	4.988	ug/L	94
55) Styrene	9.60	104	372733	5.187	ug/L	99
56) Isopropylbenzene	9.97	105	573775	5.079	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	107063	5.434	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	80222	5.269	ug/L	100
61) Bromoform	9.77	173	69353	4.877	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	308356	4.843	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	309229	4.783	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	285322	4.811	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	15273	4.313	ug/L #	72
67) 1,3,5-Trichlorobenzene	12.69	180	244570	4.628	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	197158	4.542	ug/L	99
69) Naphthalene	13.55	128	261558	4.412	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	193267	4.874	ug/L	99

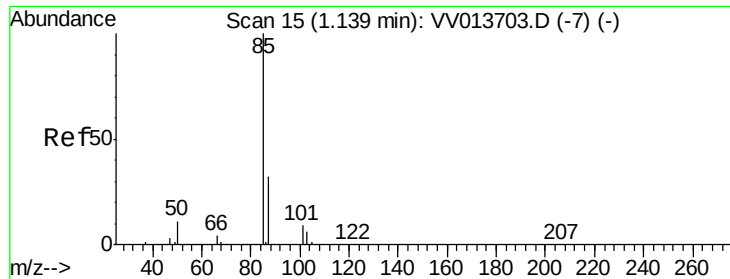
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.221 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

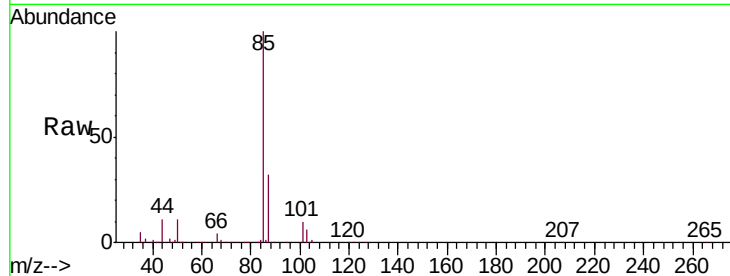
VSTD00545

Tgt Ion: 85 Resp: 135665

Ion Ratio Lower Upper

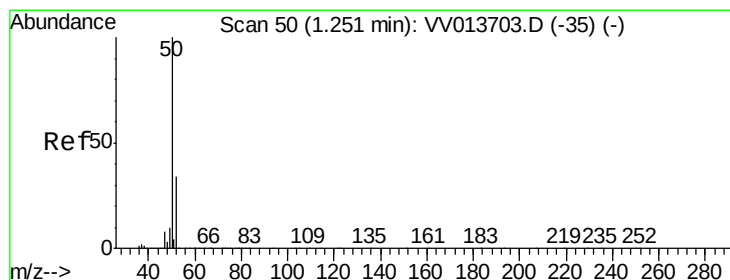
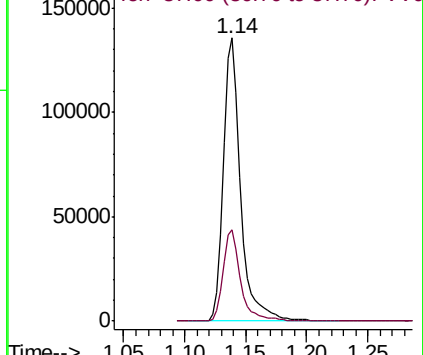
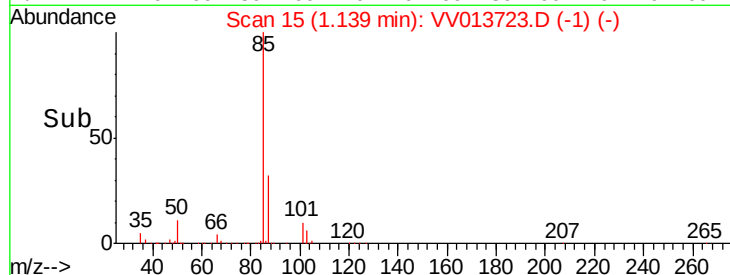
85 100

87 32.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013723.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013723.D (-1) (-)



#3

Chloromethane

Concen: 3.759 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013723.D

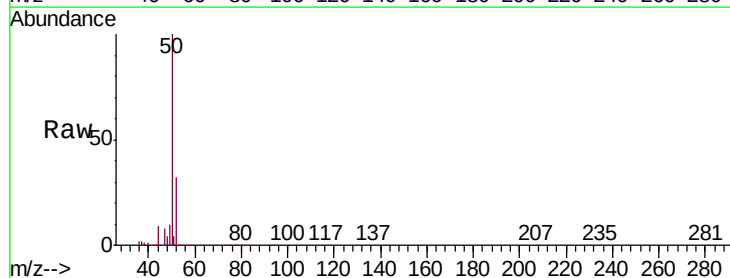
Acq: 21 Nov 2019 19:30

Tgt Ion: 50 Resp: 116253

Ion Ratio Lower Upper

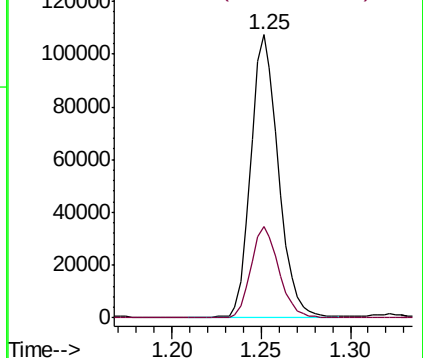
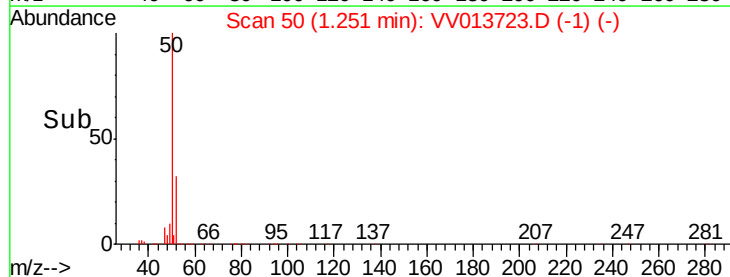
50 100

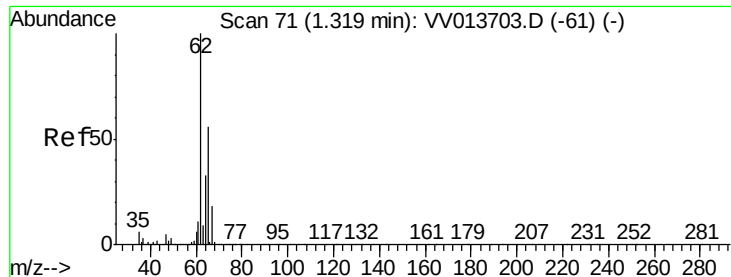
52 32.2 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013723.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013723.D (-1) (-)





#5

Vinyl chloride

Concen: 4.128 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013723.D

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Instrument :

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ClientSampleId :

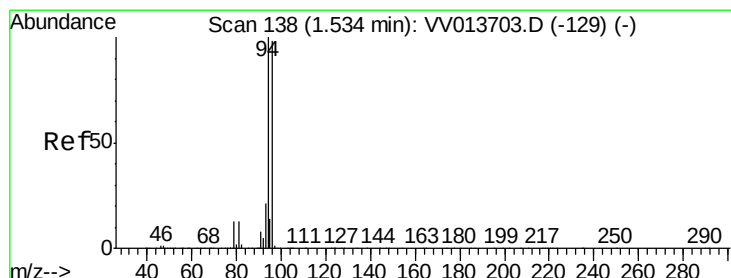
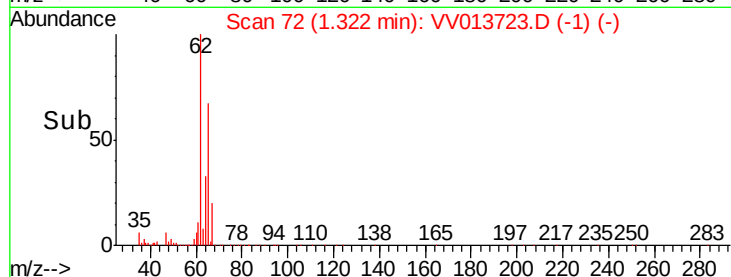
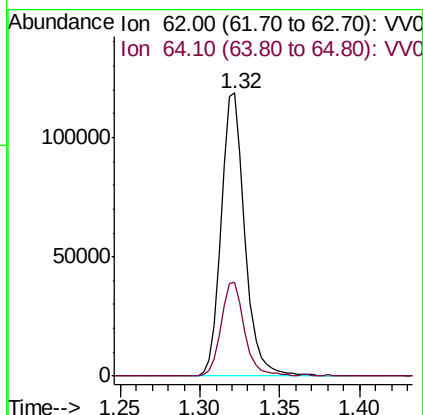
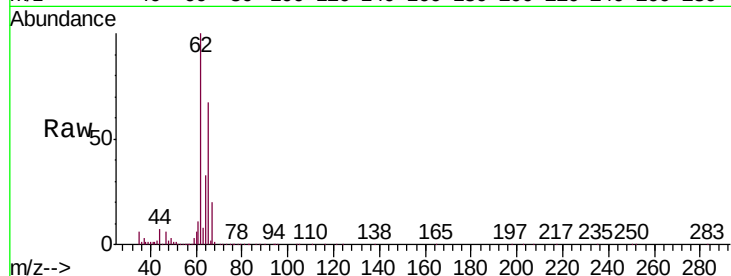
VSTD00545

Tgt Ion: 62 Resp: 121608

Ion Ratio Lower Upper

62 100

64 33.1 23.4 43.6



#6

Bromomethane

Concen: 3.118 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013723.D

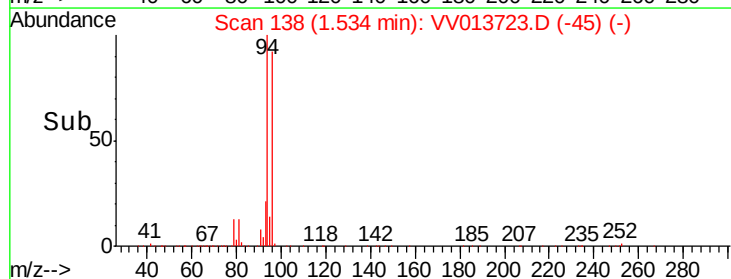
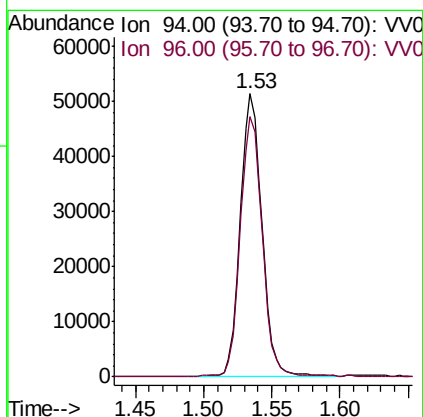
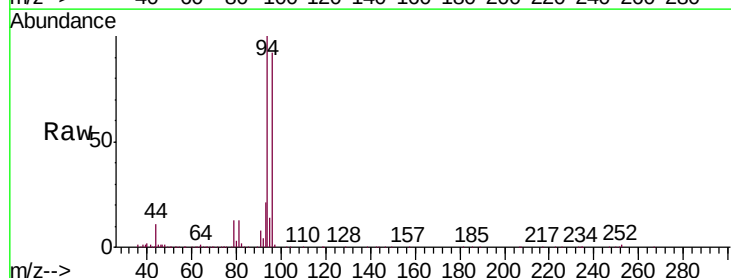
Acq: 21 Nov 2019 19:30

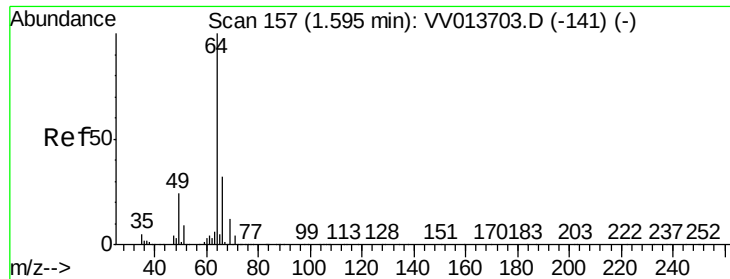
Tgt Ion: 94 Resp: 55976

Ion Ratio Lower Upper

94 100

96 91.9 67.0 124.4





#8

Chloroethane

Concen: 4.571 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

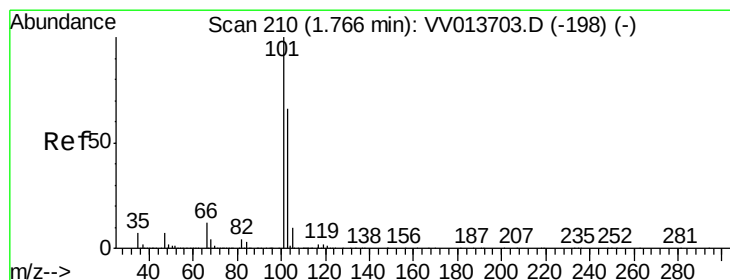
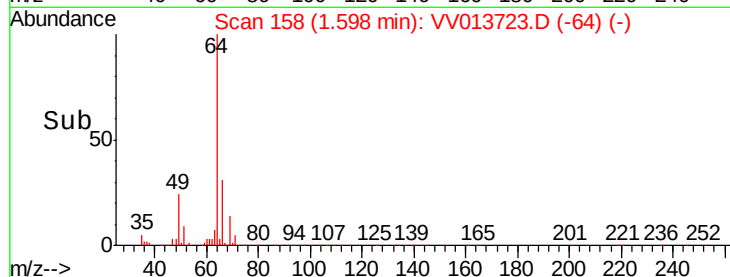
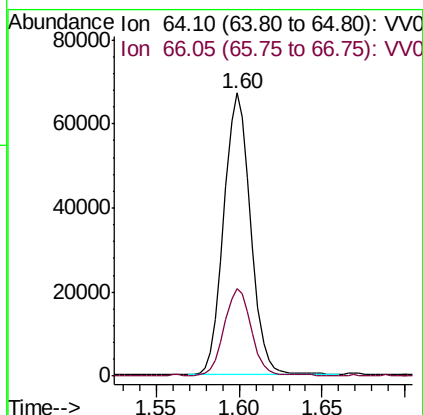
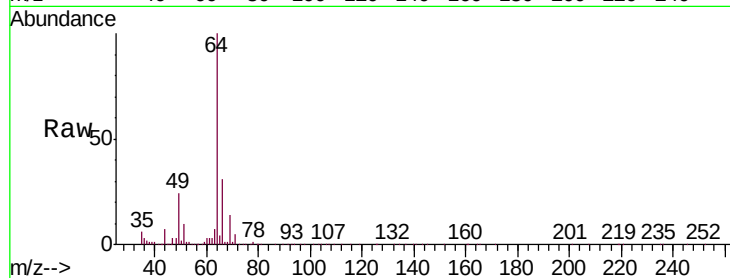
VSTD00545

Tgt Ion: 64 Resp: 75594

Ion Ratio Lower Upper

64 100

66 30.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 4.690 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013723.D

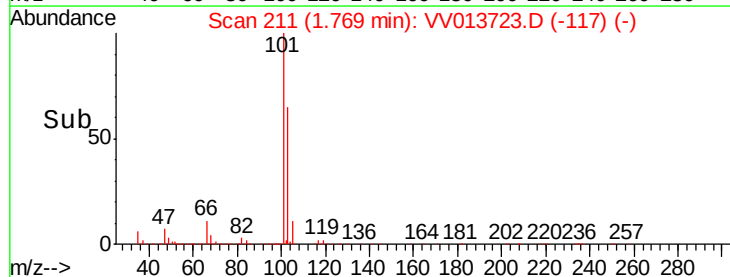
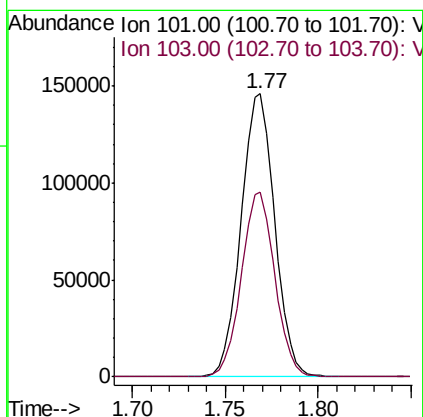
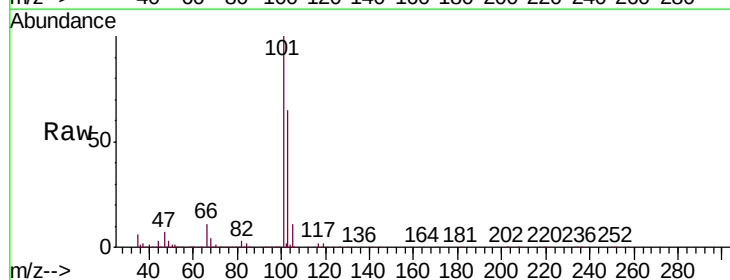
Acq: 21 Nov 2019 19:30

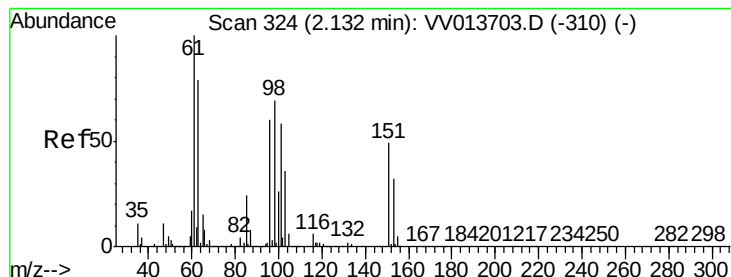
Tgt Ion: 101 Resp: 183650

Ion Ratio Lower Upper

101 100

103 65.2 51.6 77.4





#10

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

Concen: 5.022 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013723.D

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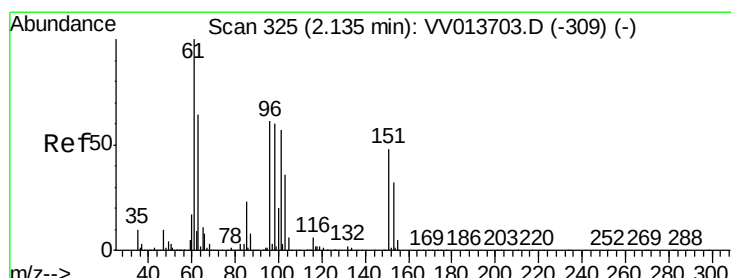
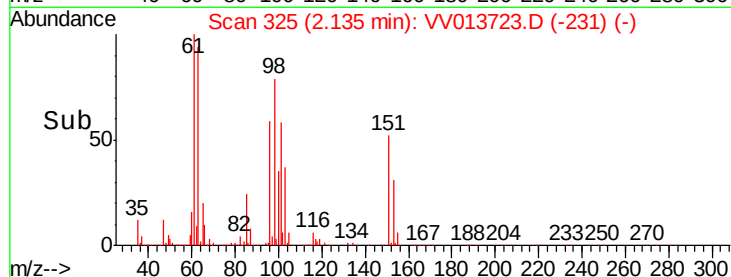
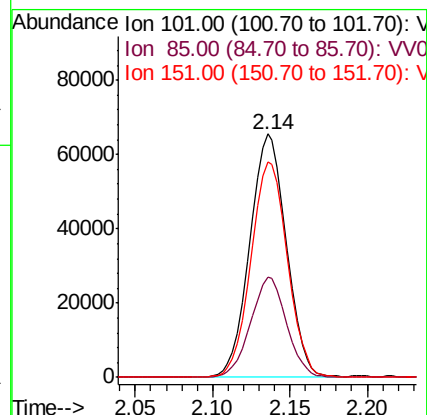
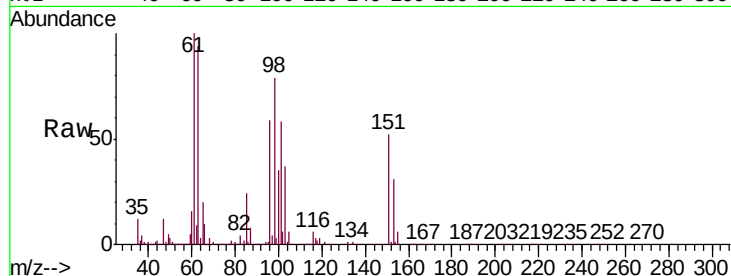
Tgt Ion: 101 Resp: 108021

Ion Ratio Lower Upper

101 100

85 40.4 32.0 48.0

151 88.6 69.0 103.6



#12

1,1-Dichloroethene

Concen: 4.541 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

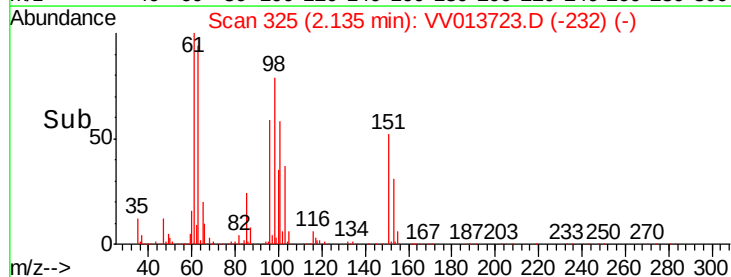
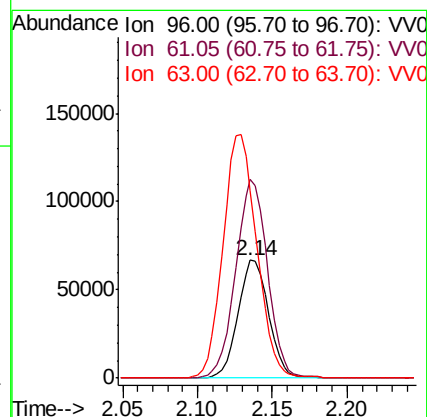
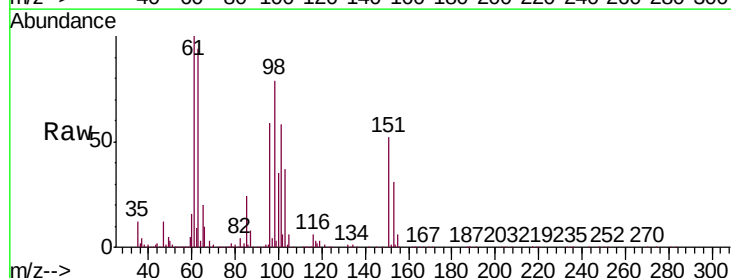
Tgt Ion: 96 Resp: 94819

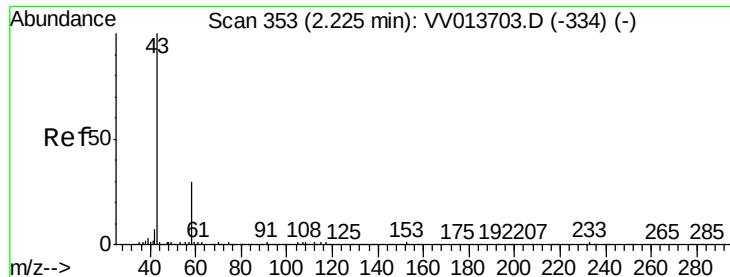
Ion Ratio Lower Upper

96 100

61 168.4 112.5 208.9

63 158.8 76.9 142.7#





#13

Acetone

Concen: 59.163 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

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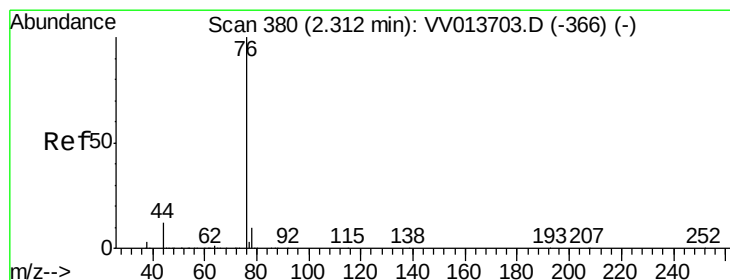
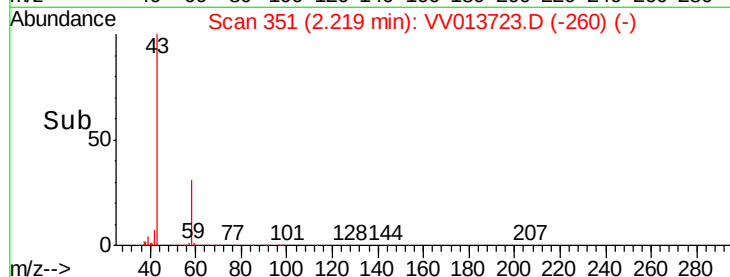
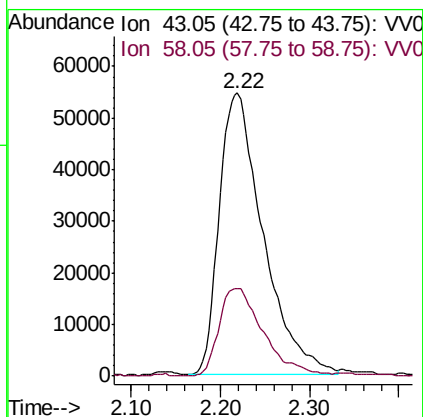
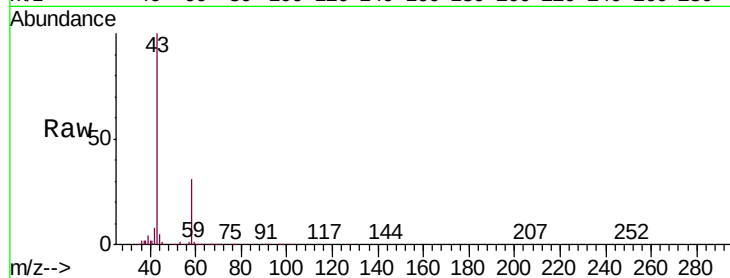
VSTD00545

Tgt Ion: 43 Resp: 186381

Ion Ratio Lower Upper

43 100

58 31.6 0.0 17.0#



#14

Carbon disulfide

Concen: 3.228 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013723.D

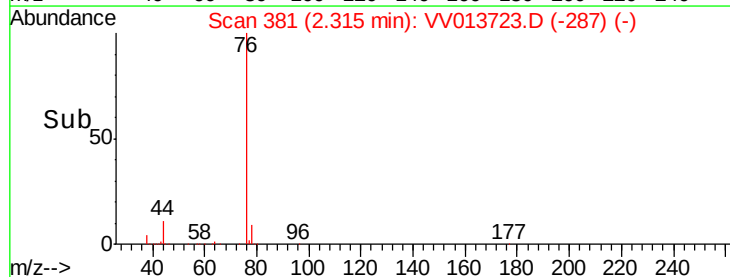
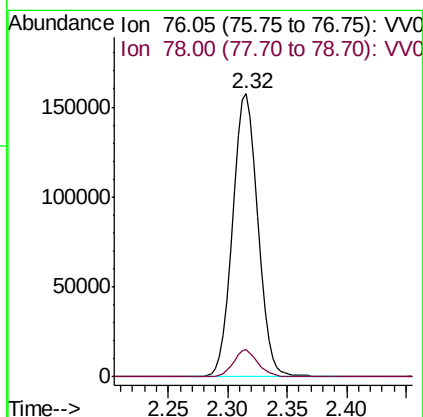
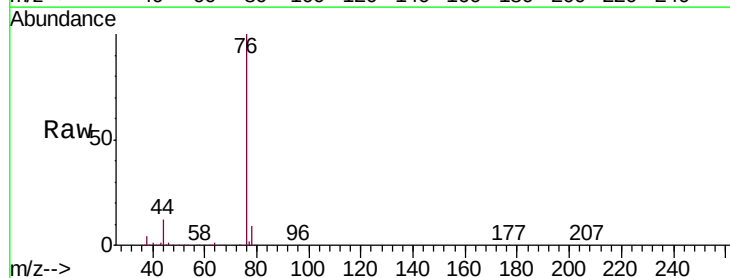
Acq: 21 Nov 2019 19:30

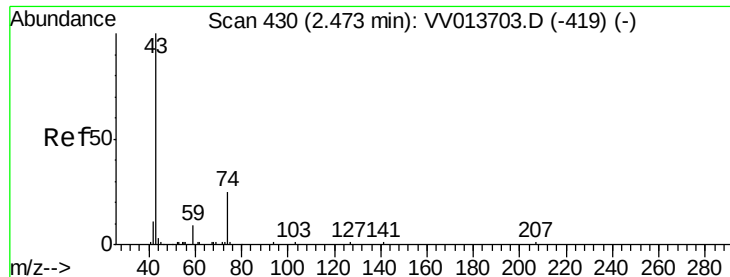
Tgt Ion: 76 Resp: 232531

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

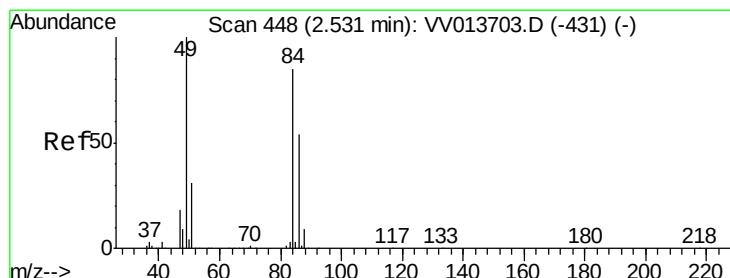
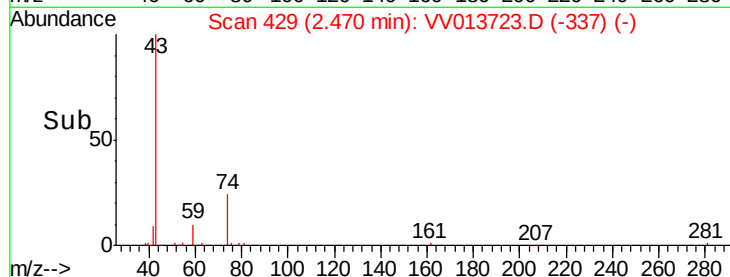
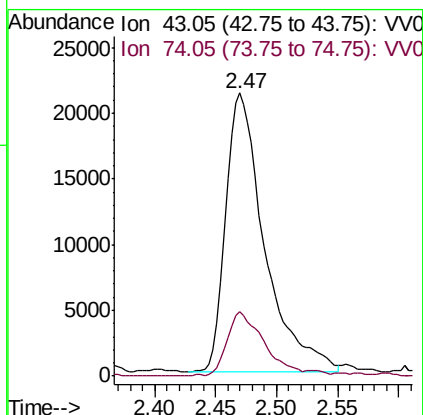
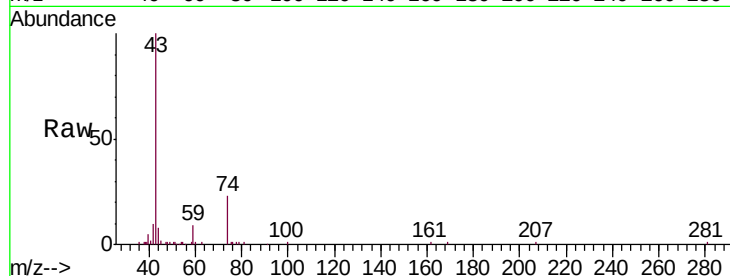




#15
Methyl Acetate
Concen: 5.330 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

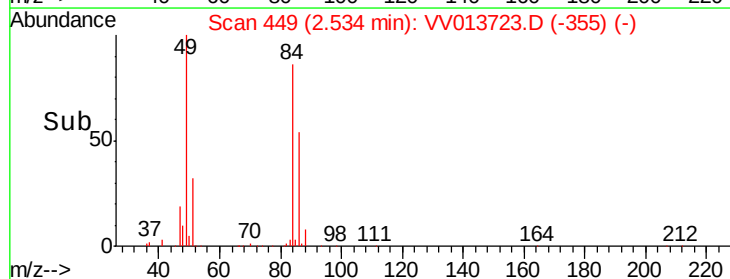
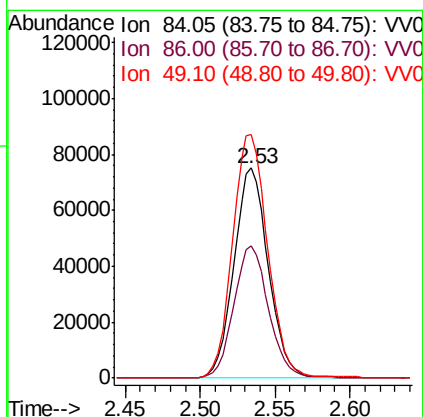
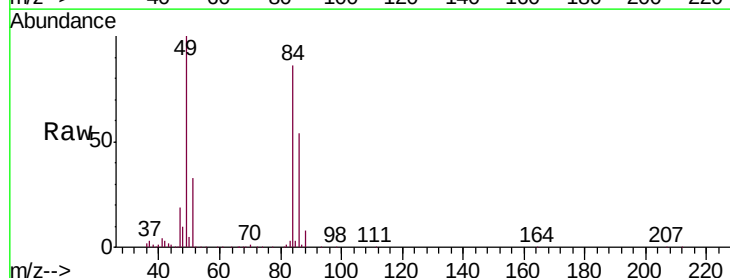
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

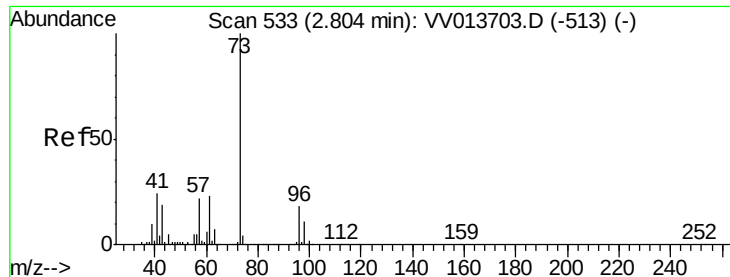
Tgt Ion: 43 Resp: 47556
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3



#16
Methylene chloride
Concen: 4.145 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Tgt Ion: 84 Resp: 120297
Ion Ratio Lower Upper
84 100
86 62.7 44.1 81.9
49 115.9 83.4 155.0





#17

Methyl tert-butyl Ether

Concen: 5.155 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

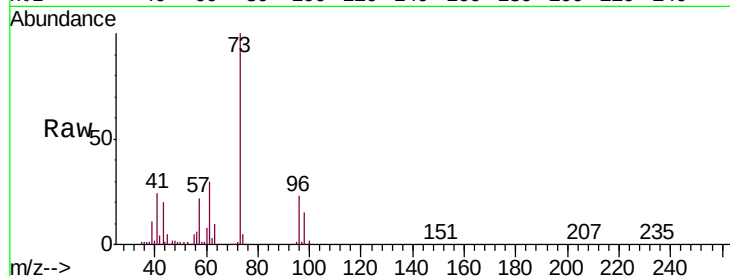
Tgt Ion: 73 Resp: 274959

Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.0

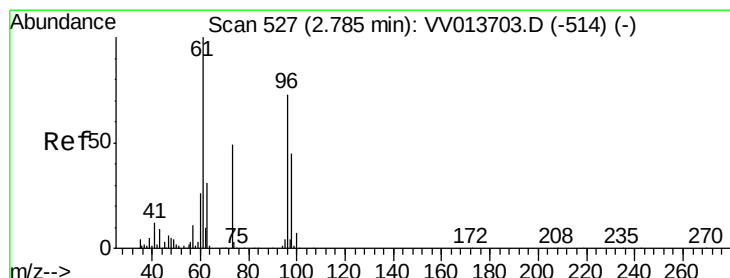
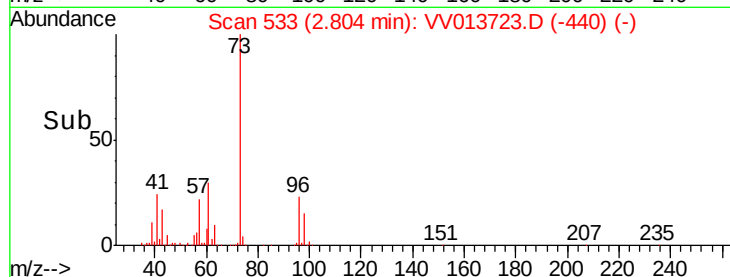
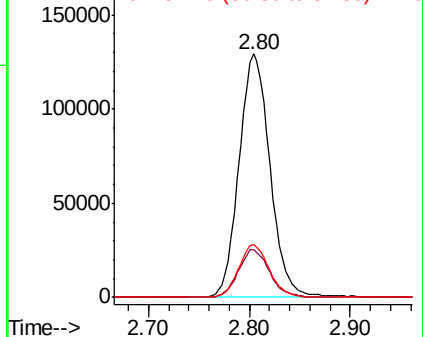
57 21.5 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.378 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

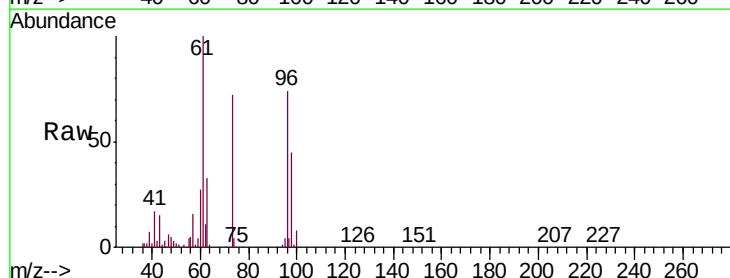
Tgt Ion: 96 Resp: 112734

Ion Ratio Lower Upper

96 100

61 135.6 101.0 187.6

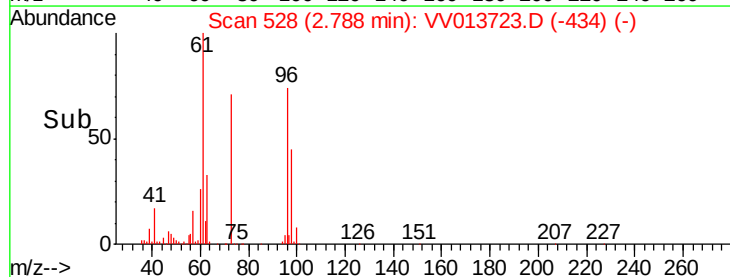
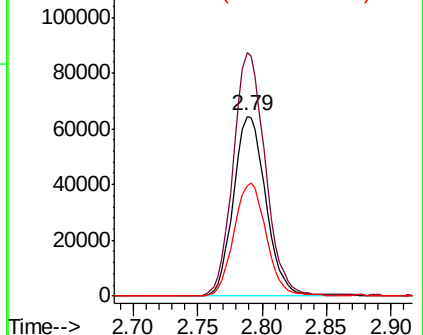
98 61.5 47.0 87.2

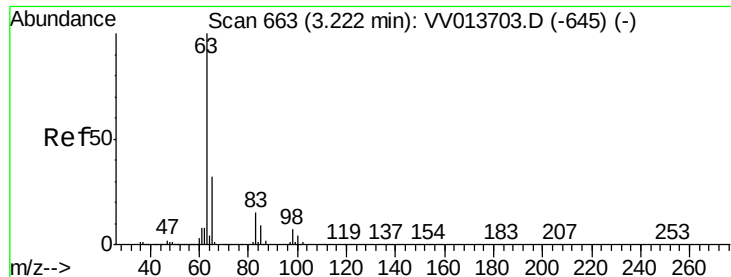


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

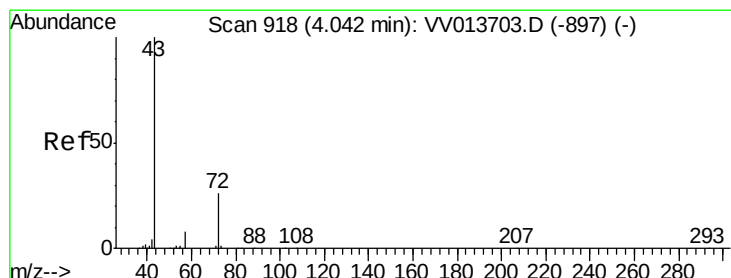
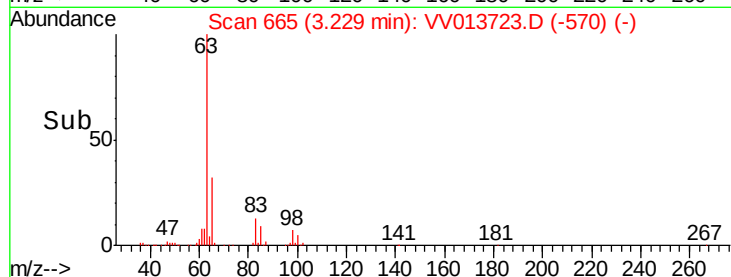
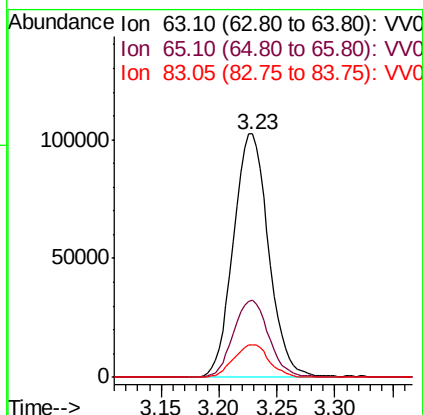
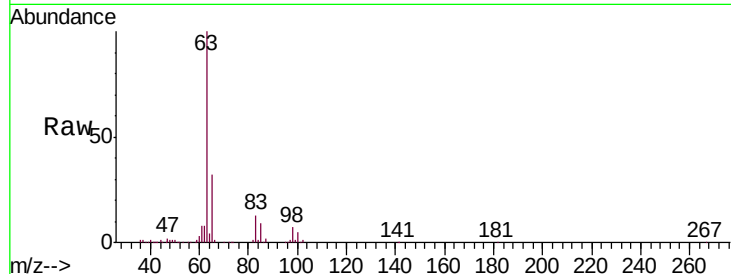




#19
 1,1-Dichloroethane
 Concen: 4.714 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

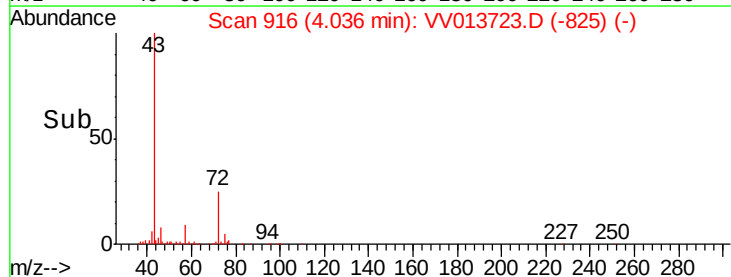
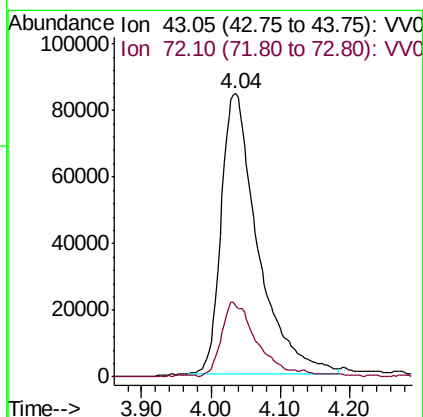
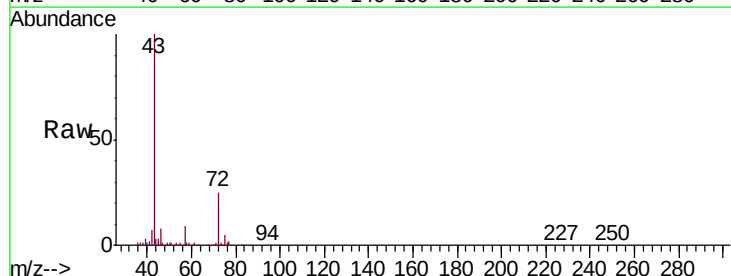
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

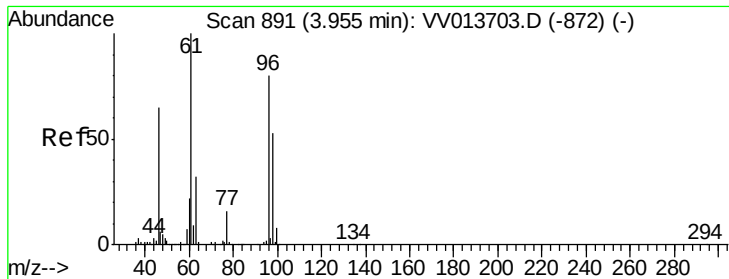
Tgt Ion:	63	Resp:	216802
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.5	41.7
83	13.4	9.7	17.9



#21
 2-Butanone
 Concen: 58.558 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

Tgt Ion:	43	Resp:	309353
Ion	Ratio	Lower	Upper
43	100		
72	24.8	11.6	34.8



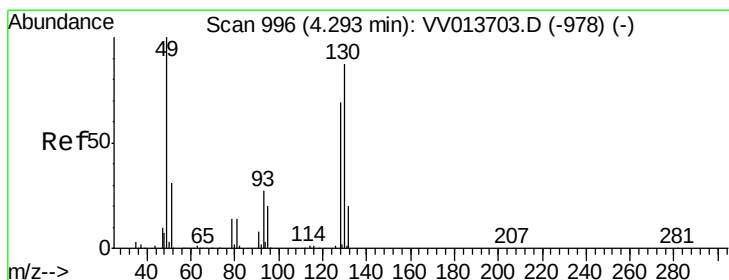
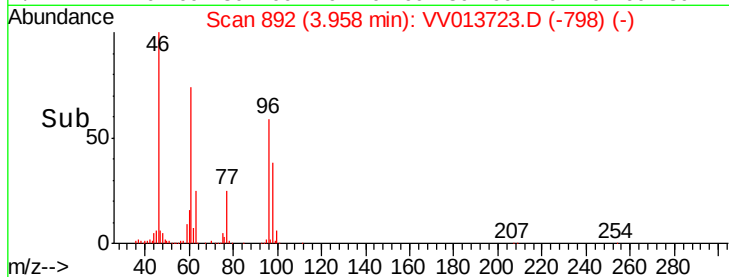
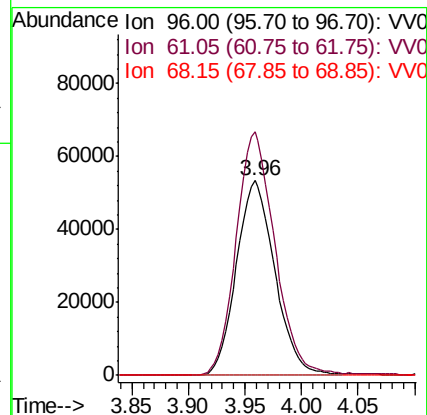
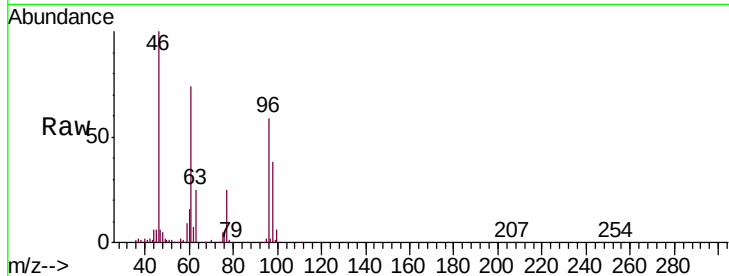


#22

cis-1,2-Dichloroethene
Concen: 4.734 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

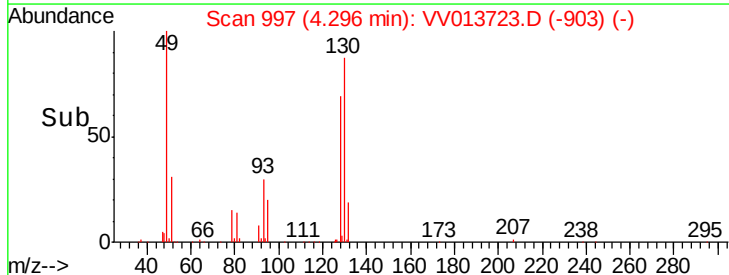
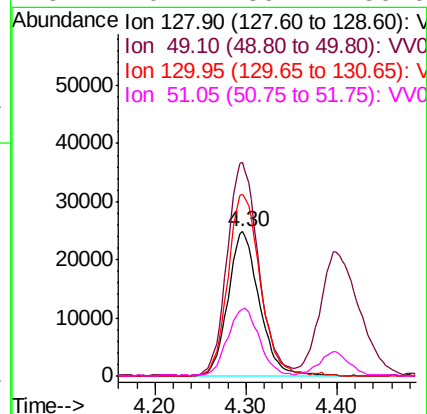
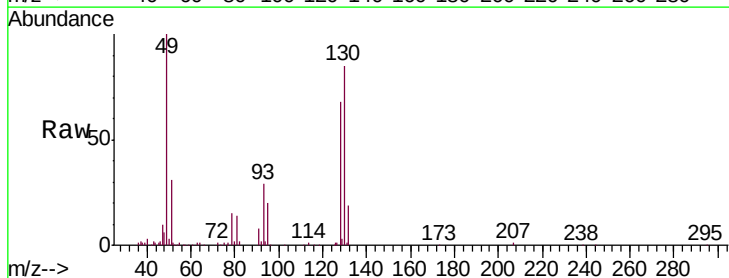
Tgt Ion: 96 Resp: 126525
Ion Ratio Lower Upper
96 100
61 125.0 87.7 162.9
68 0.0 0.1 0.3#

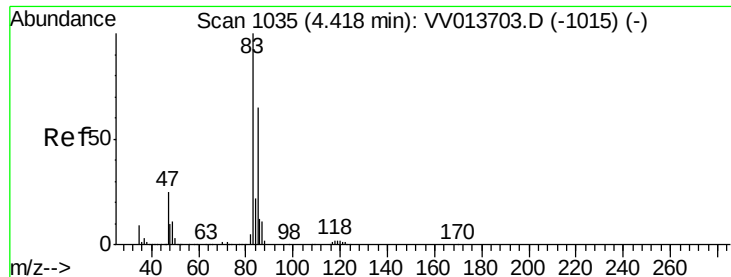


#23

Bromochloromethane
Concen: 4.822 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Tgt Ion: 128 Resp: 59418
Ion Ratio Lower Upper
128 100
49 148.0 107.2 199.0
130 126.0 87.9 163.3
51 46.4 39.4 59.0

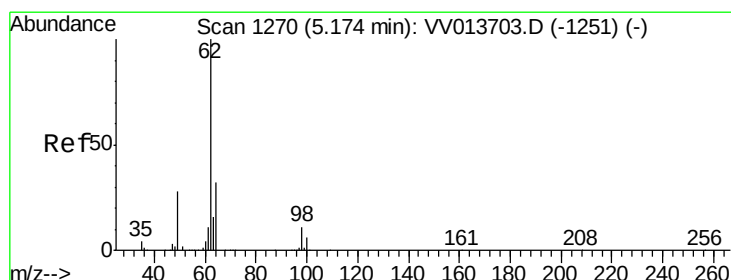
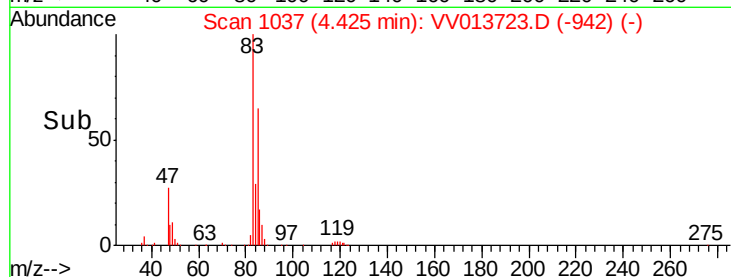
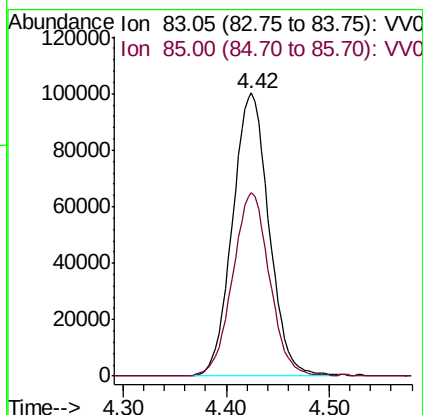
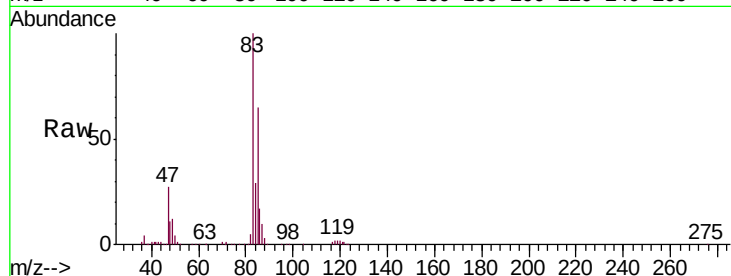




#25
Chloroform
Concen: 3.960 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

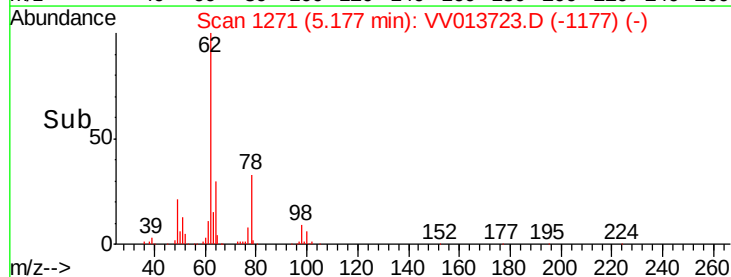
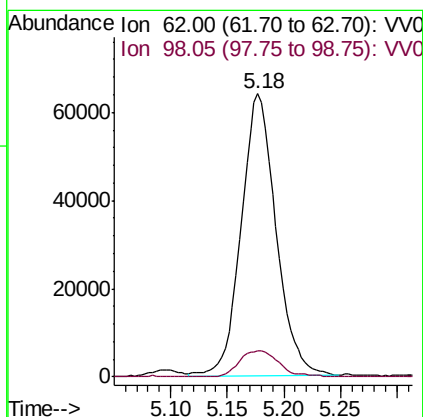
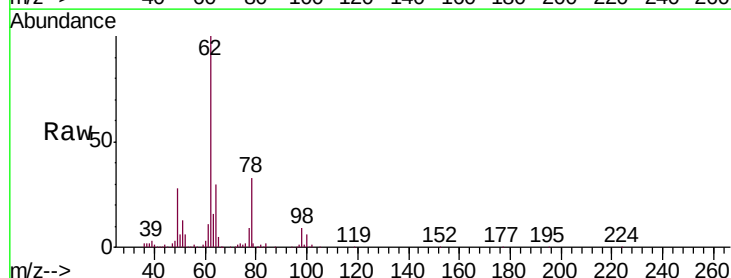
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

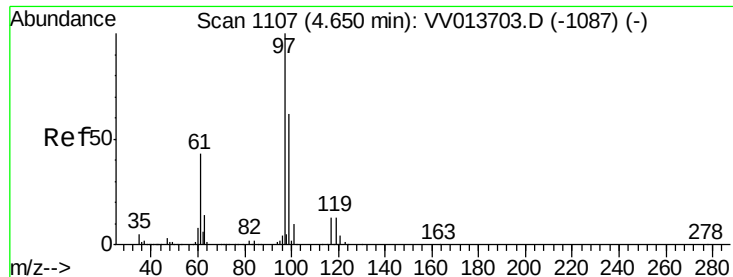
Tgt Ion: 83 Resp: 246630
Ion Ratio Lower Upper
83 100
85 65.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.943 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Tgt Ion: 62 Resp: 136765
Ion Ratio Lower Upper
62 100
98 9.1 8.2 12.2

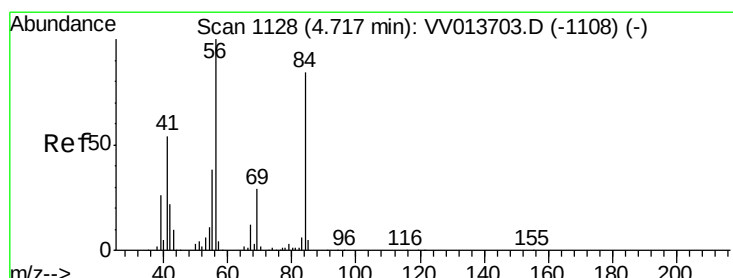
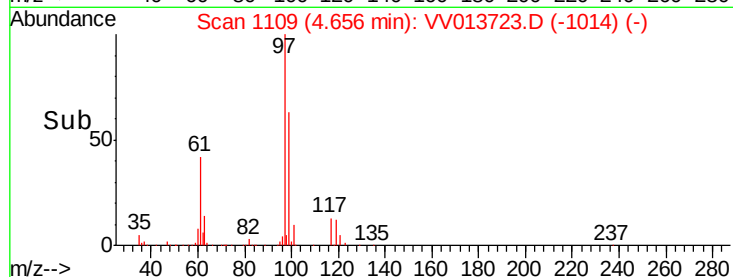
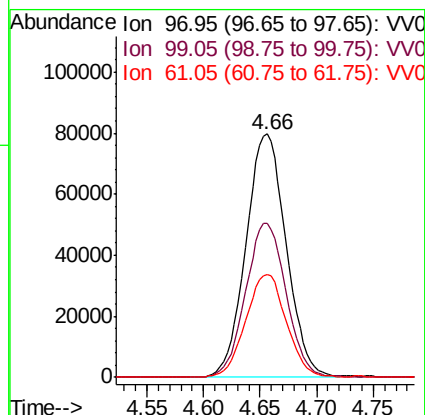
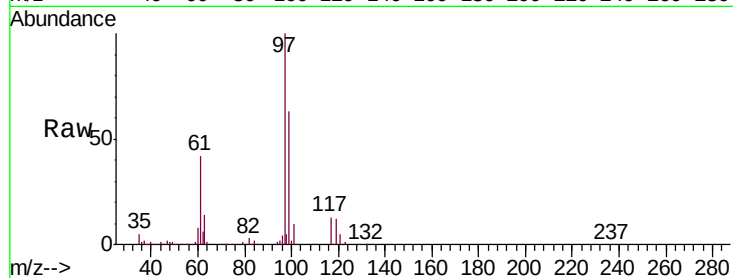




#29
1,1,1-Trichloroethane
Concen: 4.803 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

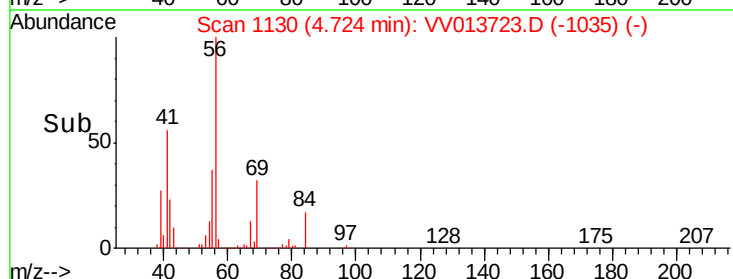
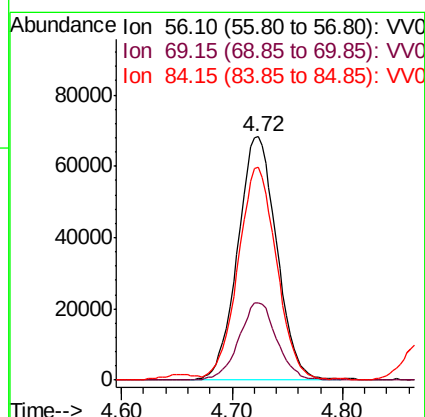
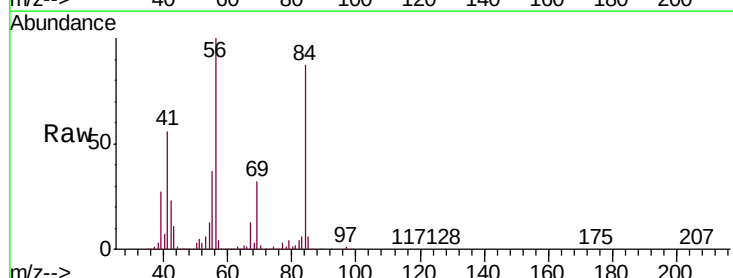
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

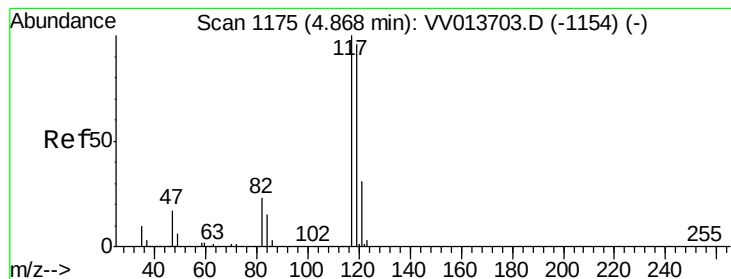
Tgt Ion: 97 Resp: 197299
Ion Ratio Lower Upper
97 100
99 63.8 52.6 79.0
61 42.7 34.7 52.1



#30
Cyclohexane
Concen: 4.069 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Tgt Ion: 56 Resp: 166270
Ion Ratio Lower Upper
56 100
69 31.1 23.8 35.8
84 86.4 69.1 103.7





#31

Carbon tetrachloride

Concen: 4.655 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

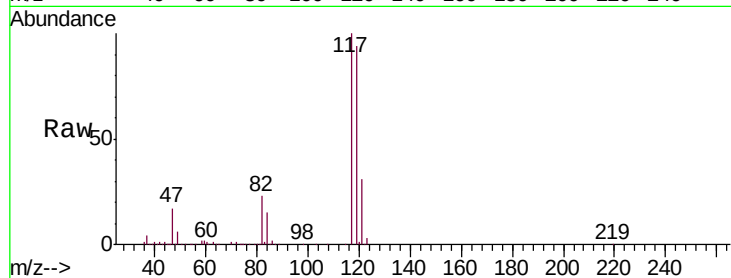
VSTD00545

Tgt Ion:117 Resp: 172731

Ion Ratio Lower Upper

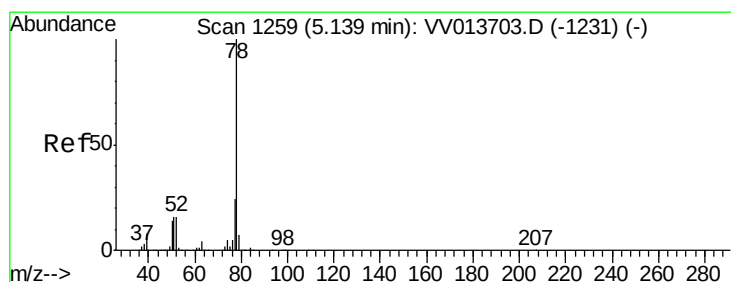
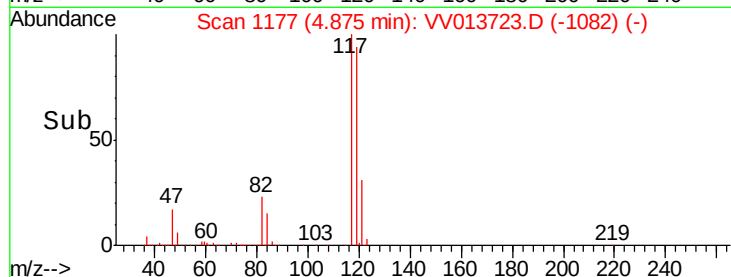
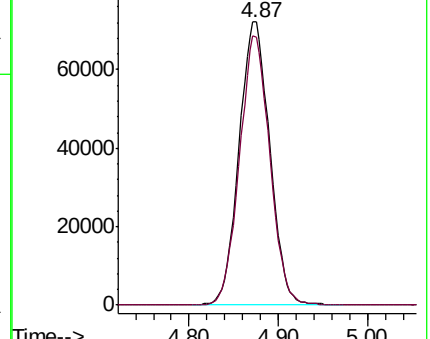
117 100

119 93.9 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.701 ug/L

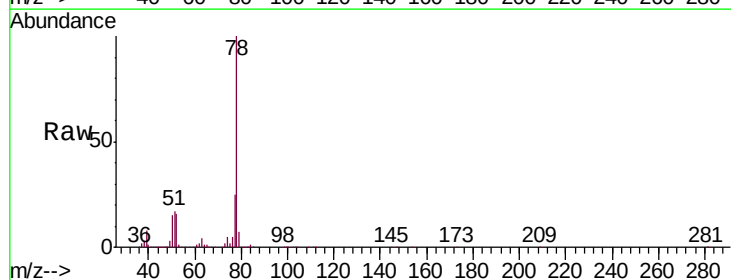
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

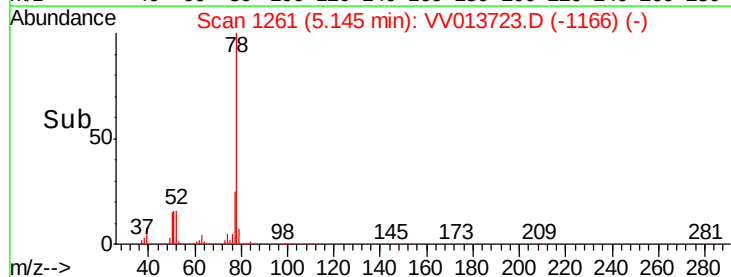
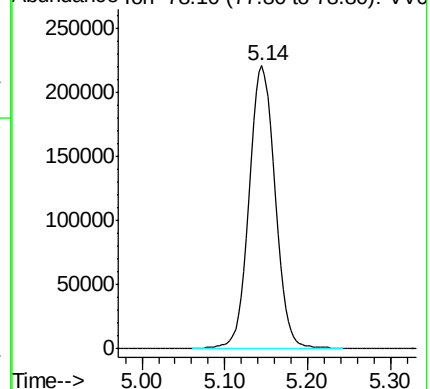
Lab File: VV013723.D

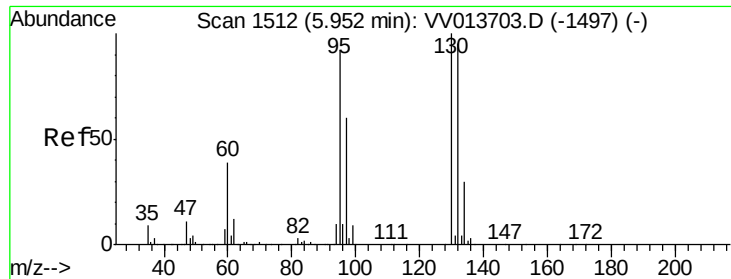
Acq: 21 Nov 2019 19:30

Tgt Ion: 78 Resp: 483521



Abundance Ion 78.10 (77.80 to 78.80): VV0

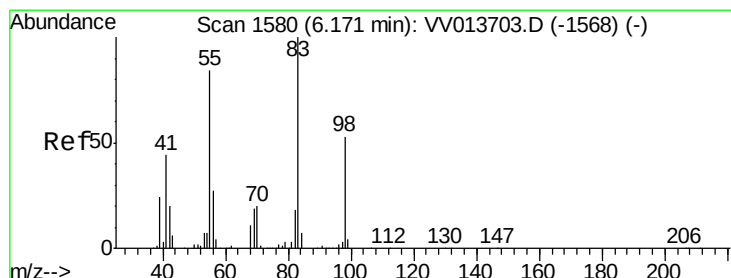
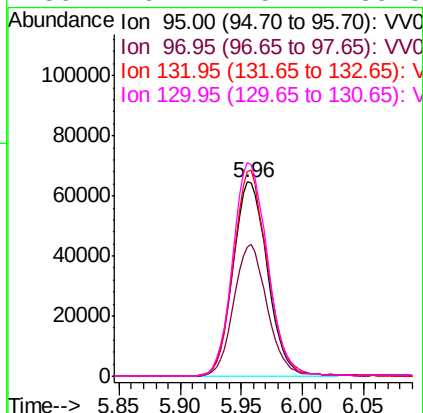
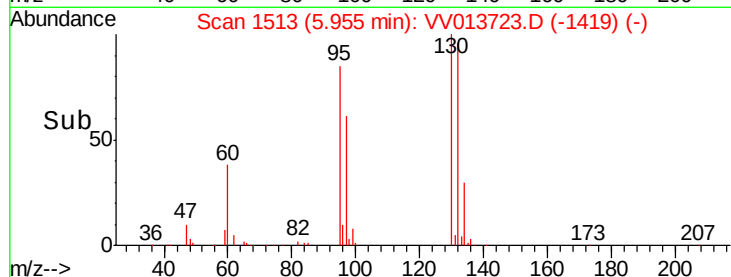
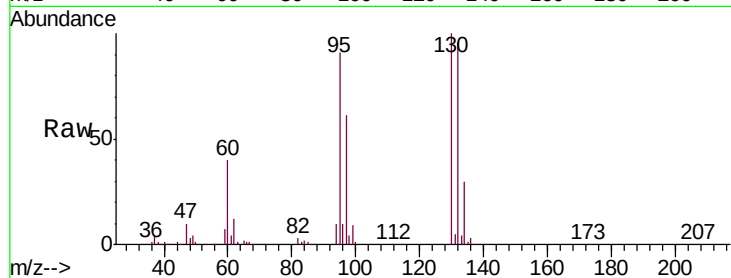




#34
 Trichloroethene
 Concen: 4.620 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

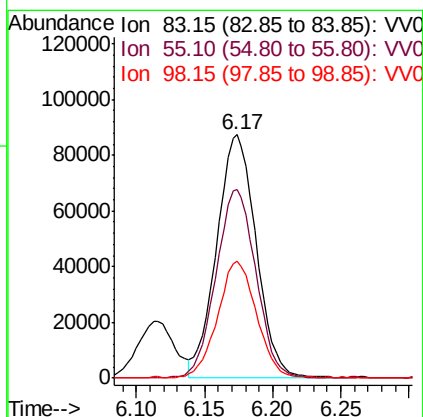
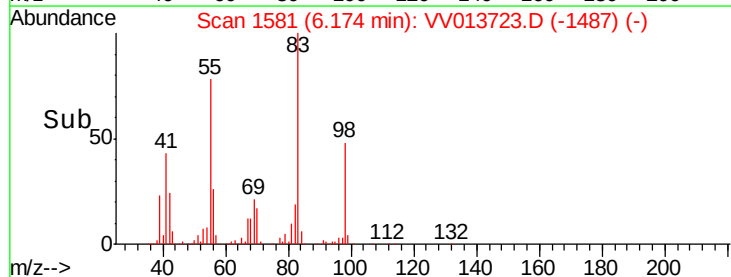
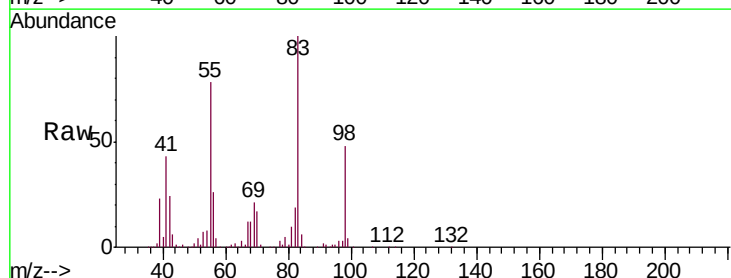
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

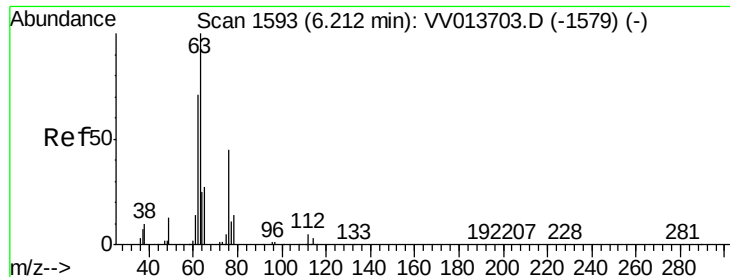
Tgt Ion:	95	Resp:	127184
Ion	Ratio	Lower	Upper
95	100		
97	66.9	44.8	83.2
132	105.8	72.9	135.3
130	110.1	75.1	139.5



#35
 Methylcyclohexane
 Concen: 4.163 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

Tgt Ion:	83	Resp:	174836
Ion	Ratio	Lower	Upper
83	100		
55	79.0	64.1	96.1
98	47.0	38.2	57.2

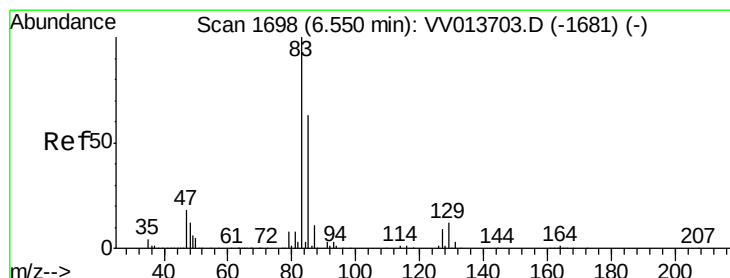
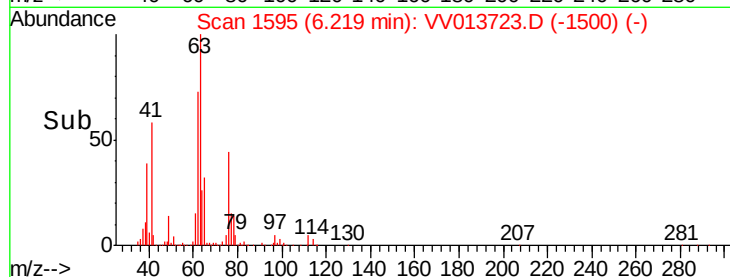
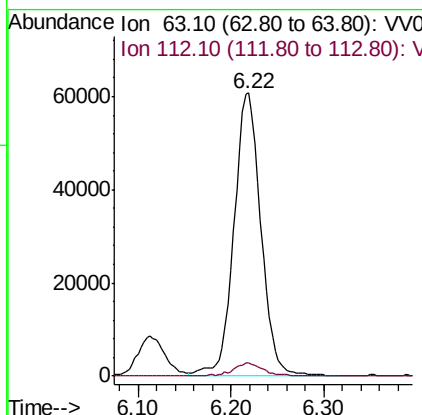
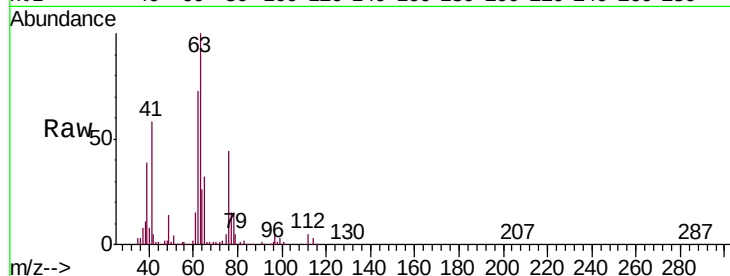




#37
 1,2-Dichloropropane
 Concen: 4.925 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

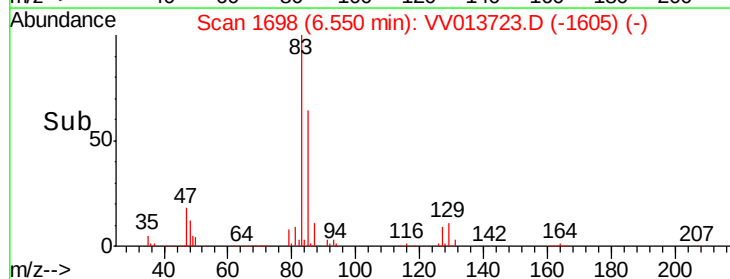
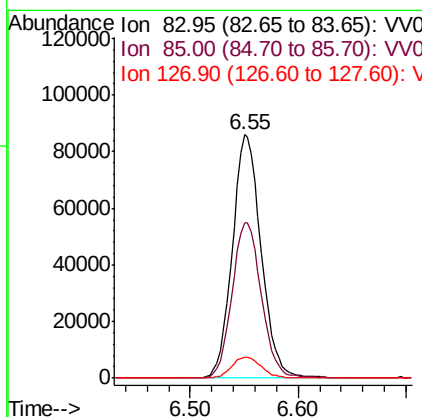
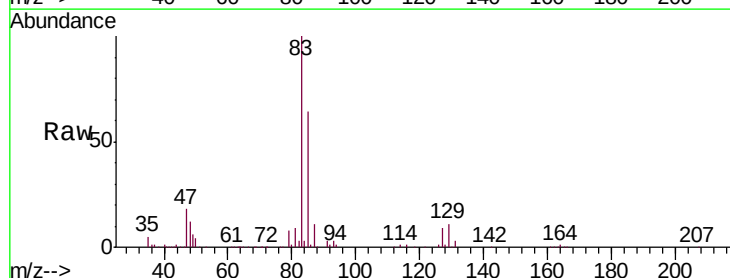
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

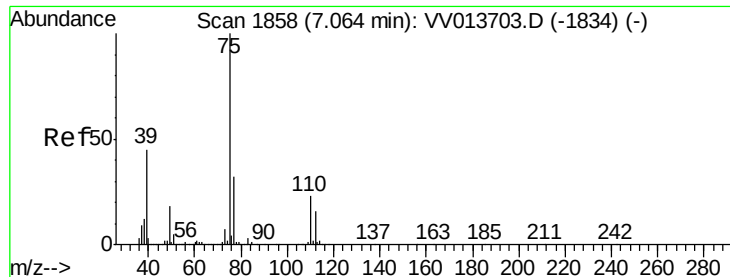
Tgt Ion: 63 Resp: 121310
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.657 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

Tgt Ion: 83 Resp: 159948
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.9 83.5
 127 8.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.907 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampled :

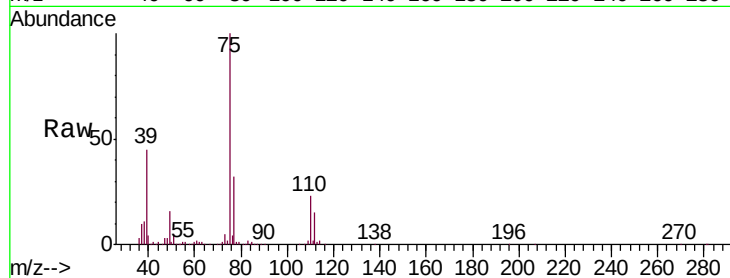
VSTD00545

Tgt Ion: 75 Resp: 173721

Ion Ratio Lower Upper

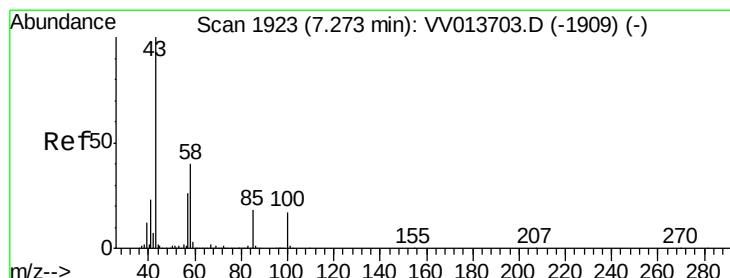
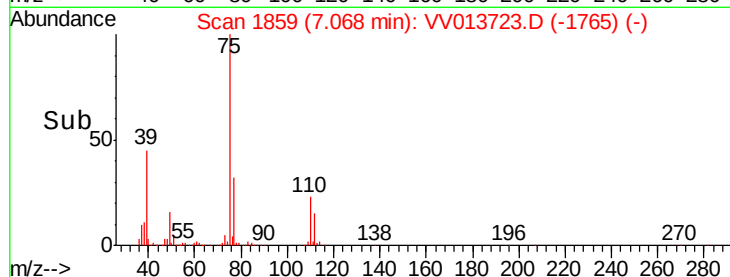
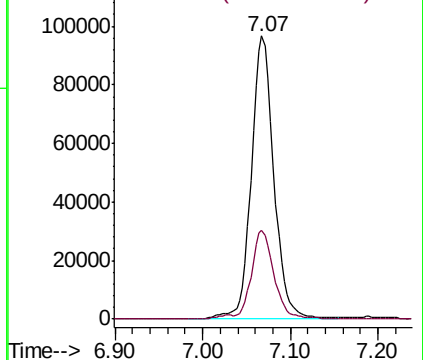
75 100

77 31.5 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 55.186 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

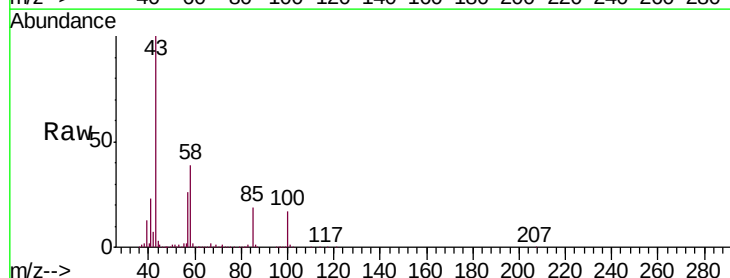
Tgt Ion: 43 Resp: 790771

Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3

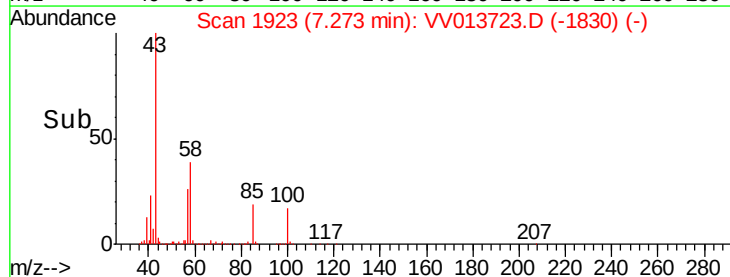
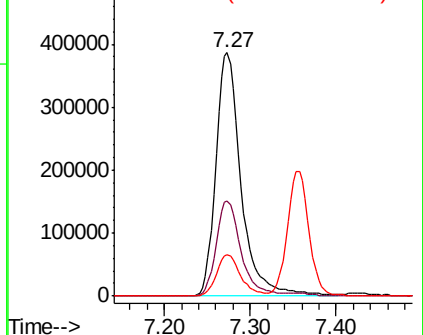
100 16.3 12.2 18.4

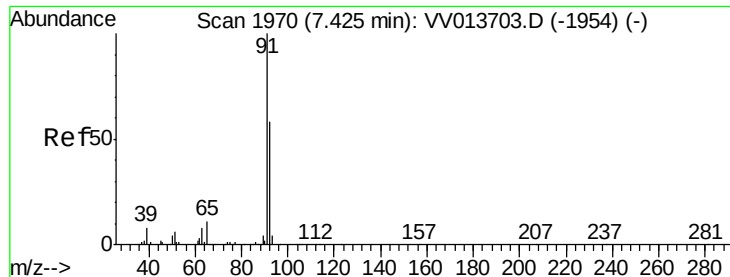


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.840 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

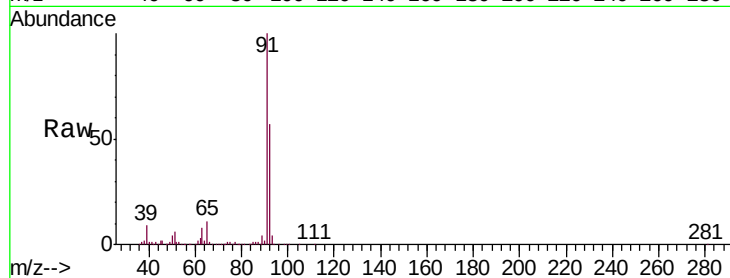
VSTD00545

Tgt Ion: 91 Resp: 531900

Ion Ratio Lower Upper

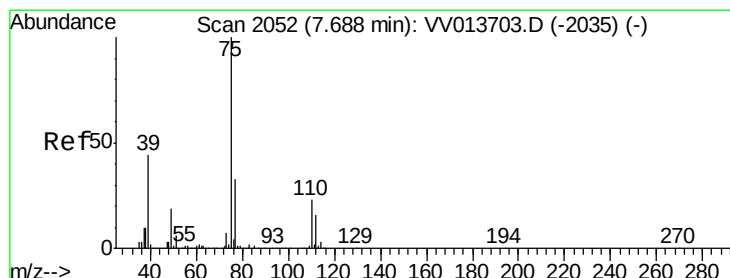
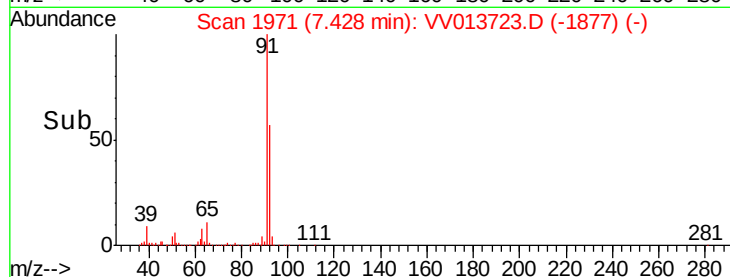
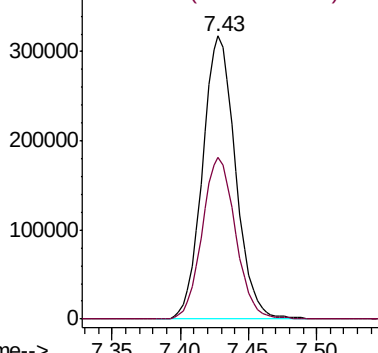
91 100

92 57.0 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013723.D

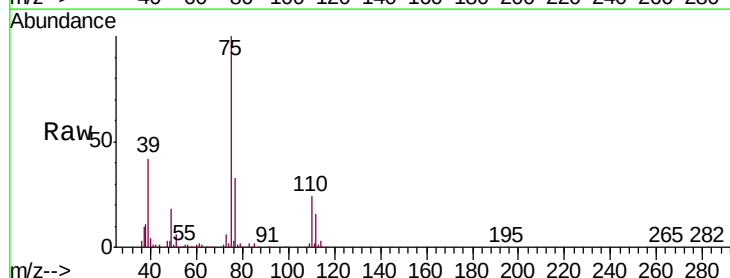
Acq: 21 Nov 2019 19:30

Tgt Ion: 75 Resp: 139466

Ion Ratio Lower Upper

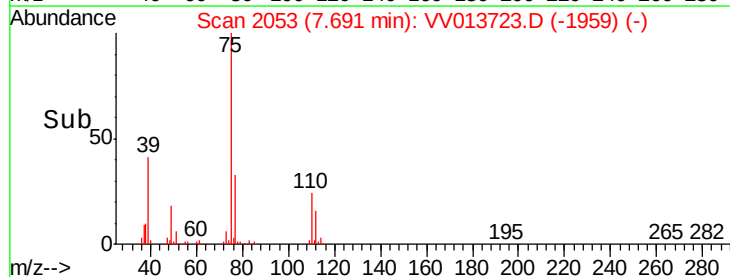
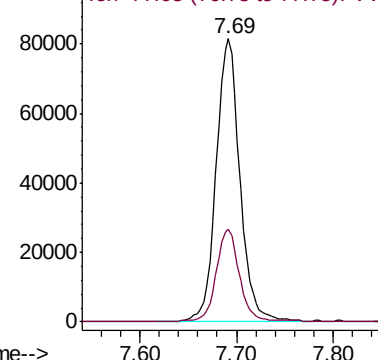
75 100

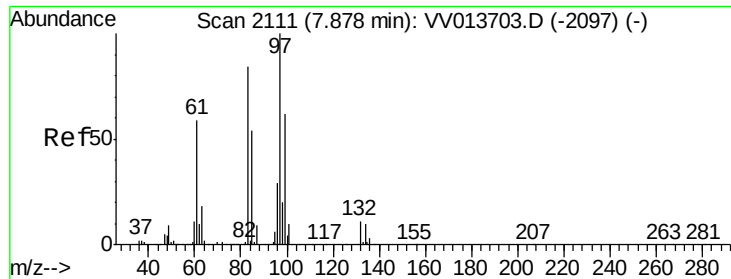
77 32.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

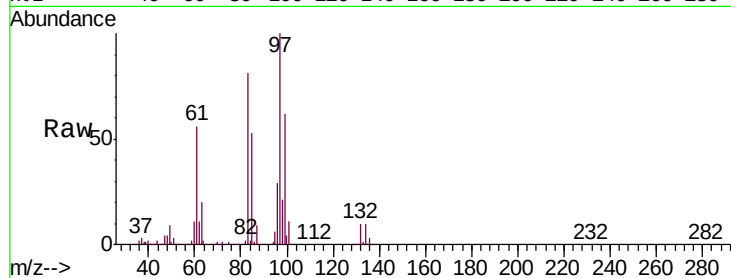




#45
 1,1,2-Trichloroethane
 Concen: 5.137 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:	97	Resp:	91233
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.8	81.3
83	81.4	58.0	107.8
85	53.1	36.0	67.0



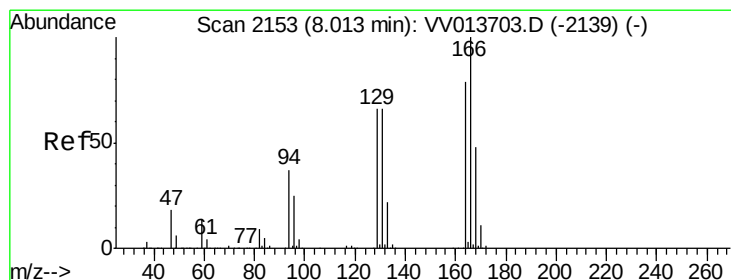
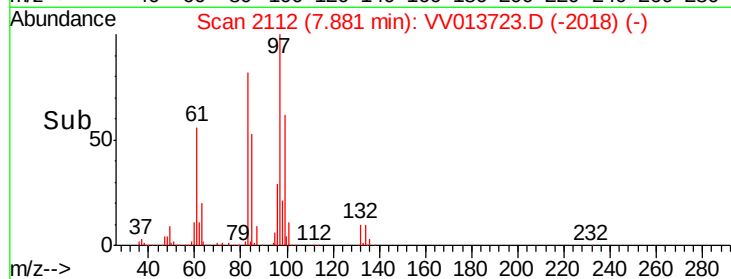
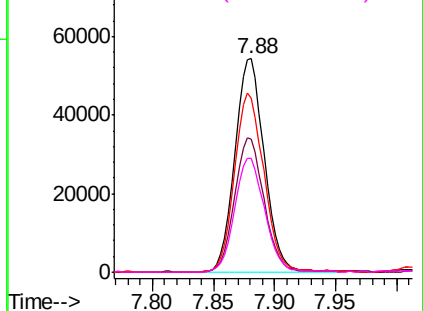
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

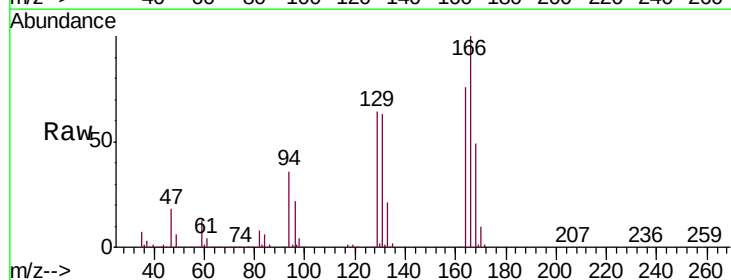
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.512 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

Tgt Ion:	164	Resp:	115101
Ion	Ratio	Lower	Upper
164	100		
129	83.8	59.1	109.9
131	82.6	58.9	109.5
166	130.8	87.8	163.2



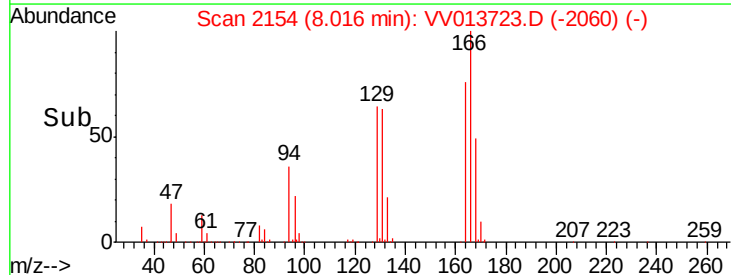
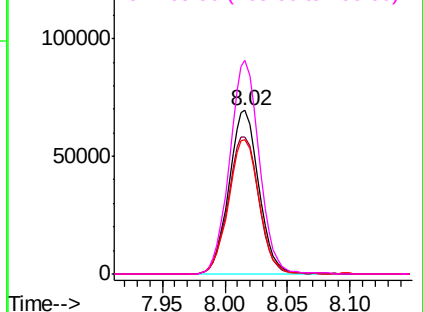
Abundance

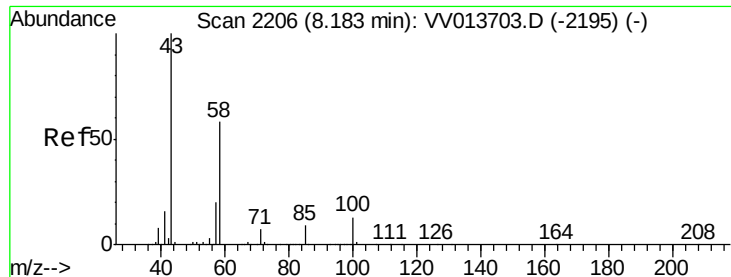
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

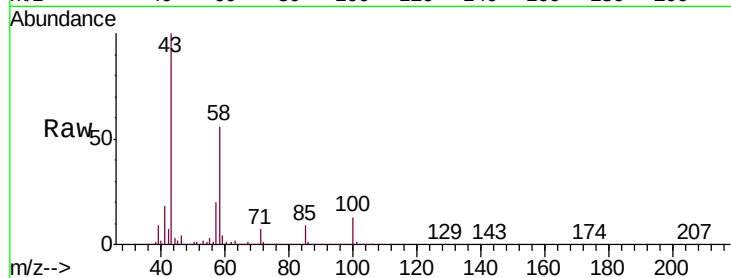




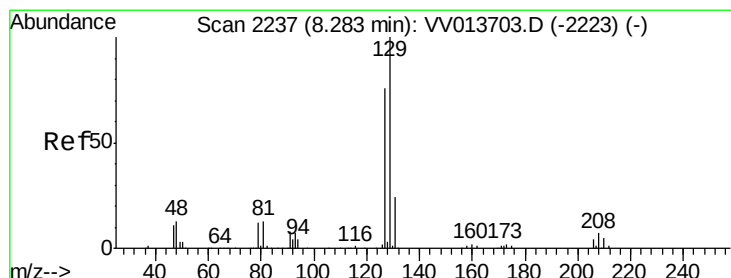
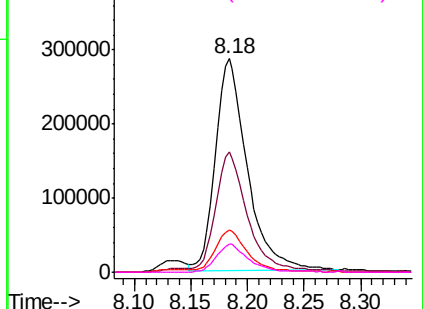
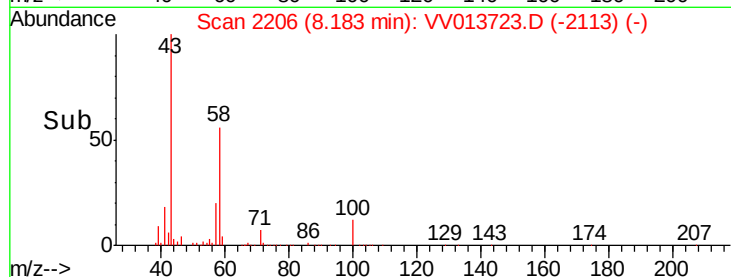
#48
2-Hexanone
Concen: 54.866 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 43 Resp: 557594
Ion Ratio Lower Upper
43 100
58 57.4 43.0 64.6
57 19.7 15.4 23.2
100 13.1 10.1 15.1

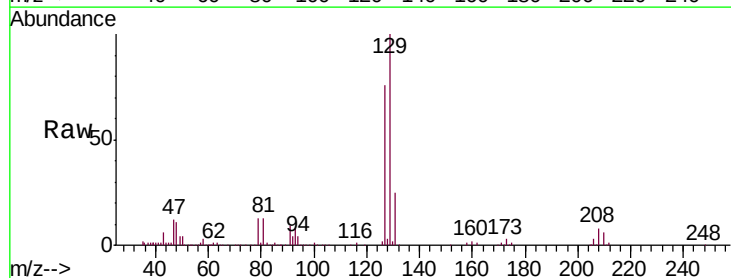


Abundance Ion 43.05 (42.75 to 43.75): VV013723.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV013723.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV013723.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV013723.D (-2113) (-)

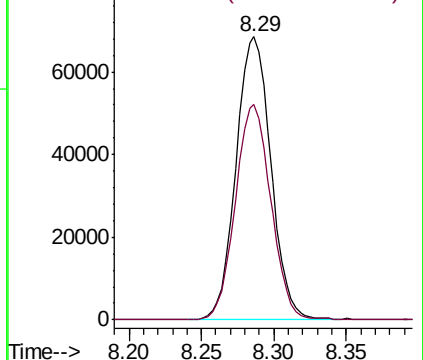
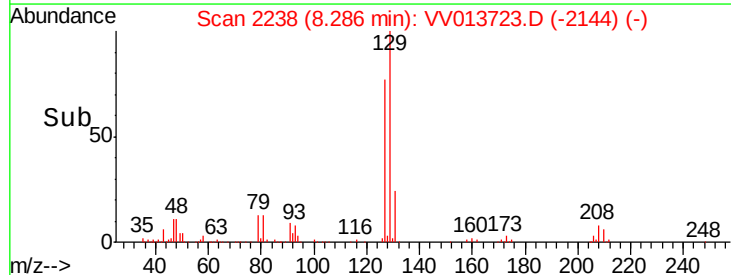


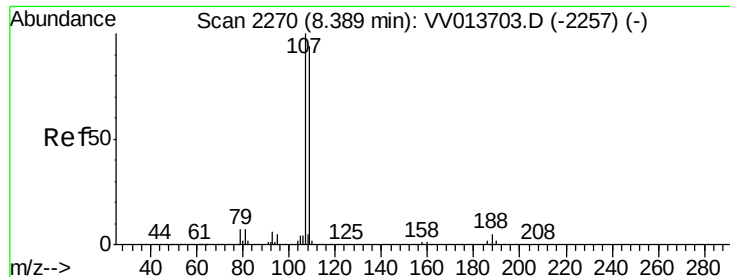
#49
Dibromochloromethane
Concen: 5.092 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013723.D
Acq: 21 Nov 2019 19:30

Tgt Ion: 129 Resp: 114819
Ion Ratio Lower Upper
129 100
127 76.1 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013723.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV013723.D (-2144) (-)

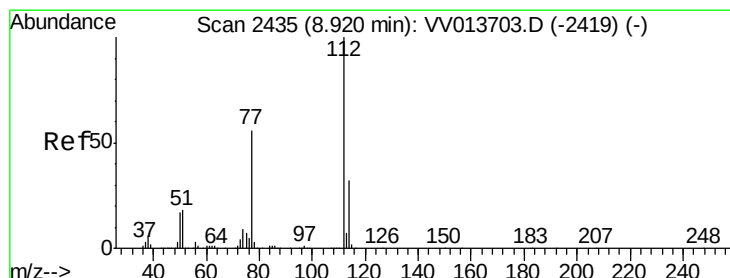
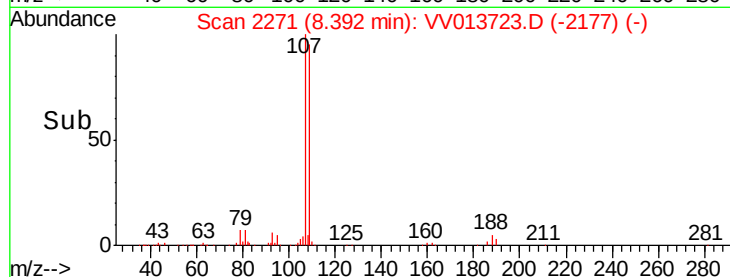
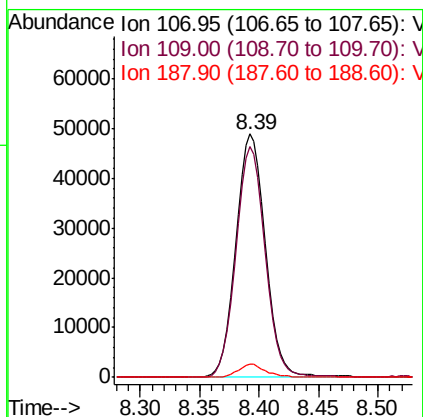
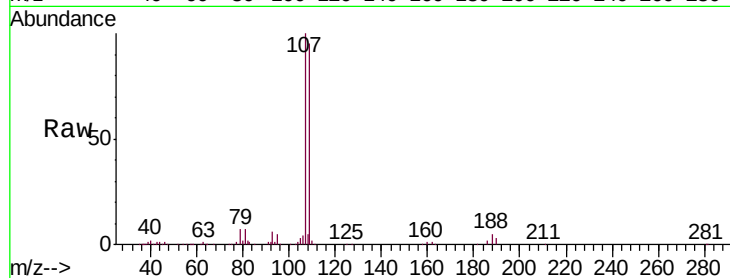




#50
 1,2-Dibromoethane
 Concen: 4.930 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

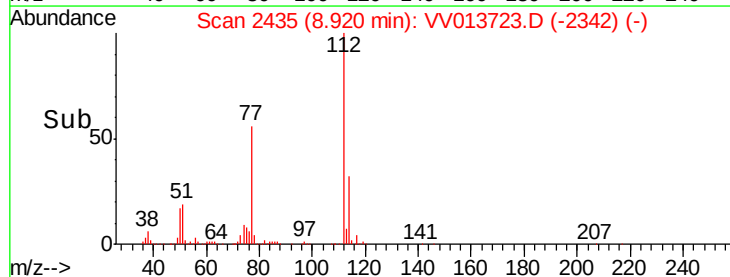
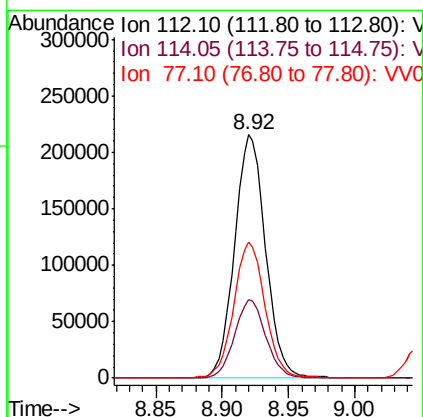
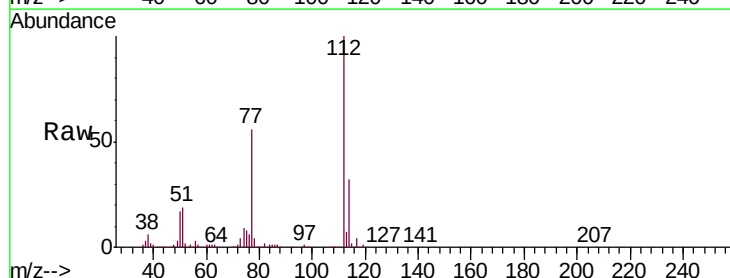
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

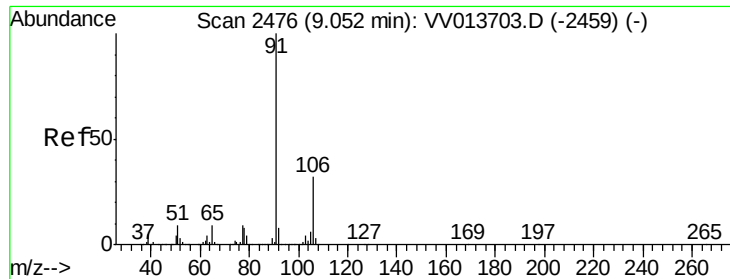
Tgt Ion:107 Resp: 84112
 Ion Ratio Lower Upper
 107 100
 109 94.6 66.5 123.5
 188 5.4 3.6 5.4#



#51
 Chlorobenzene
 Concen: 4.802 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013723.D
 Acq: 21 Nov 2019 19:30

Tgt Ion:112 Resp: 349912
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.8 42.4
 77 55.6 45.0 67.4





#52

Ethylbenzene

Concen: 4.756 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

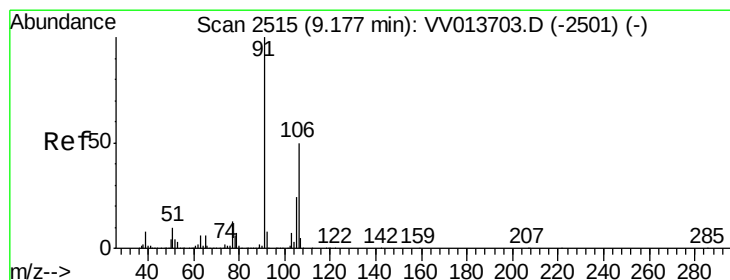
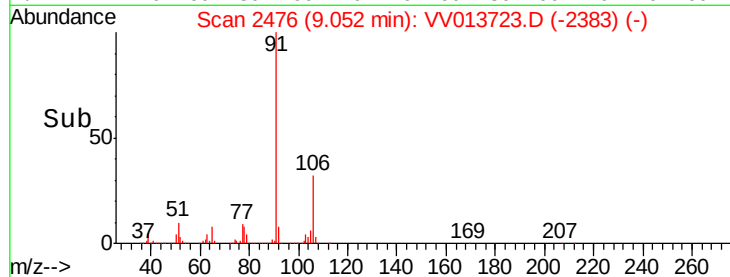
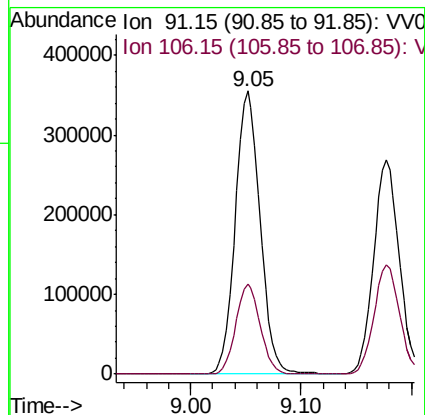
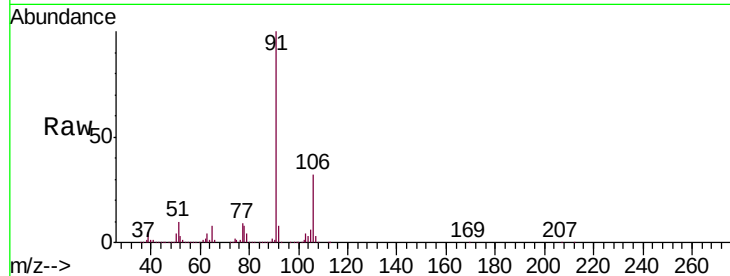
VSTD00545

Tgt Ion: 91 Resp: 557041

Ion Ratio Lower Upper

91 100

106 31.7 21.7 40.3



#53

m,p-xylene

Concen: 5.004 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013723.D

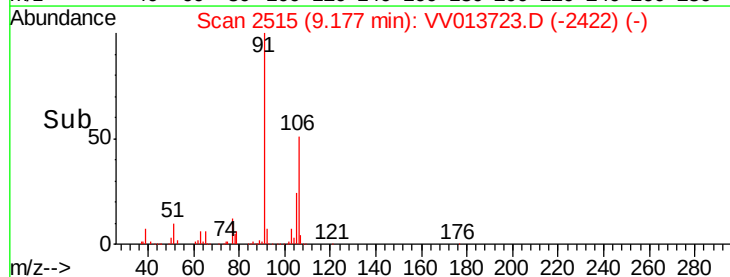
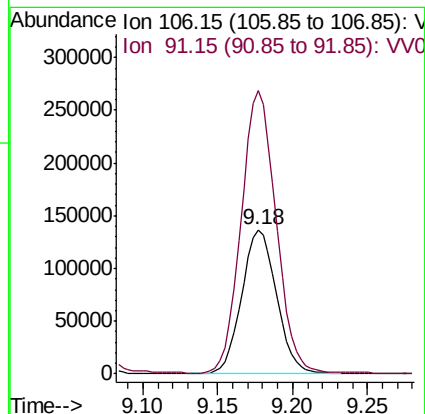
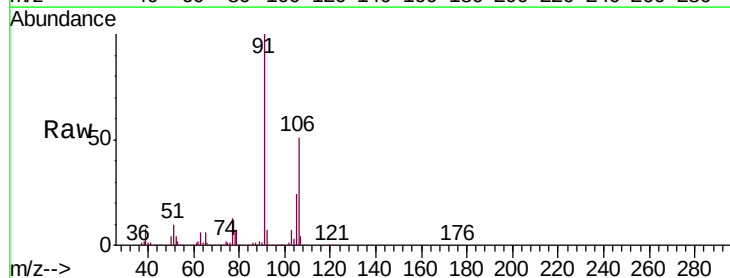
Acq: 21 Nov 2019 19:30

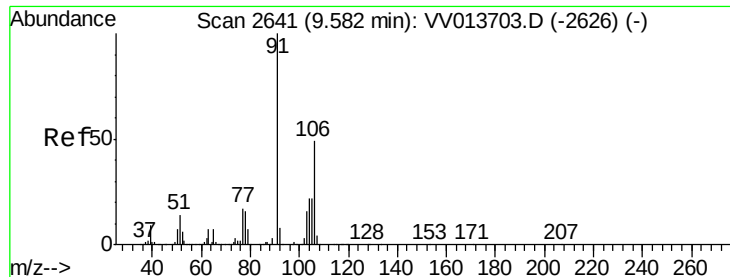
Tgt Ion: 106 Resp: 221075

Ion Ratio Lower Upper

106 100

91 196.4 138.1 256.5





#54

o-xylene

Concen: 4.988 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

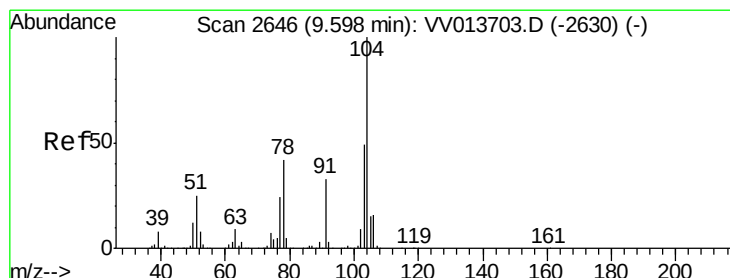
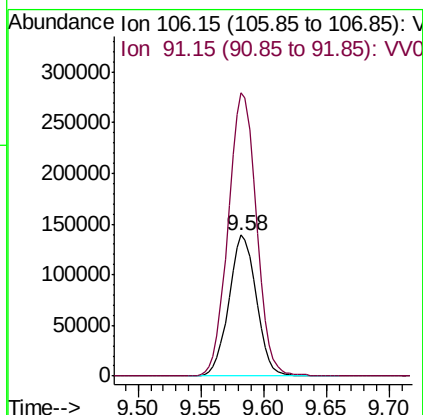
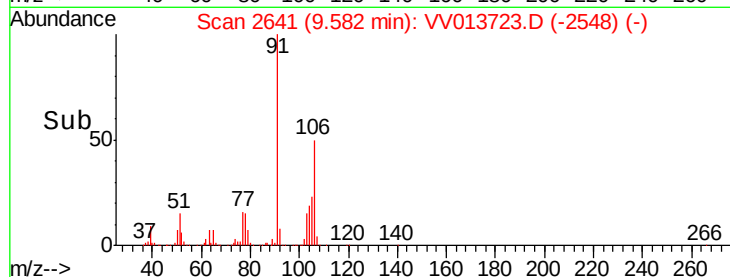
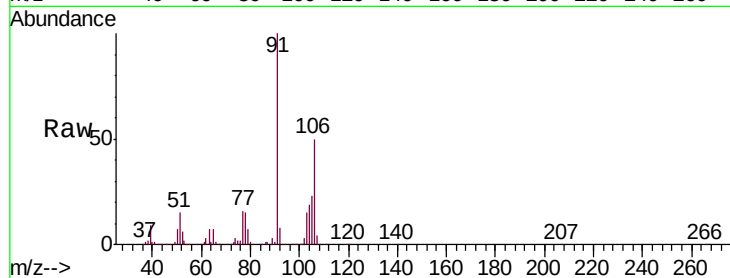
VSTD00545

Tgt Ion:106 Resp: 211963

Ion Ratio Lower Upper

106 100

91 201.1 146.9 272.7



#55

Styrene

Concen: 5.187 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013723.D

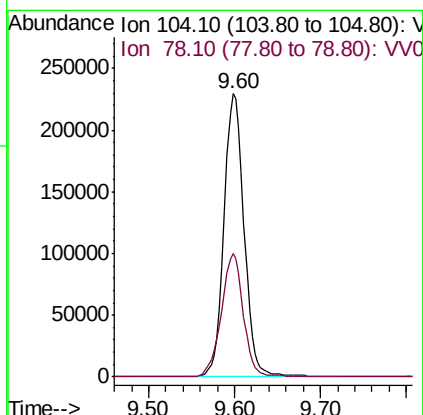
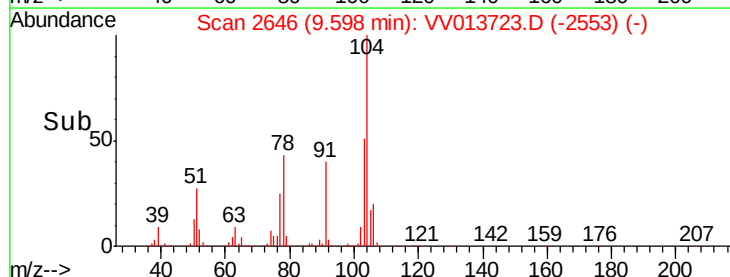
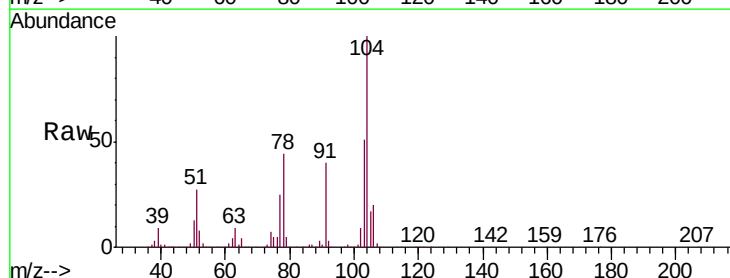
Acq: 21 Nov 2019 19:30

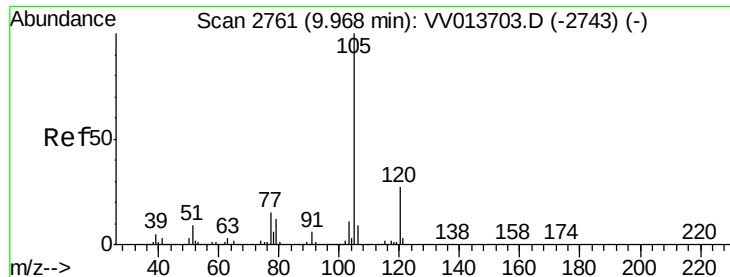
Tgt Ion:104 Resp: 372733

Ion Ratio Lower Upper

104 100

78 43.5 30.8 57.2





#56

Isopropylbenzene

Concen: 5.079 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

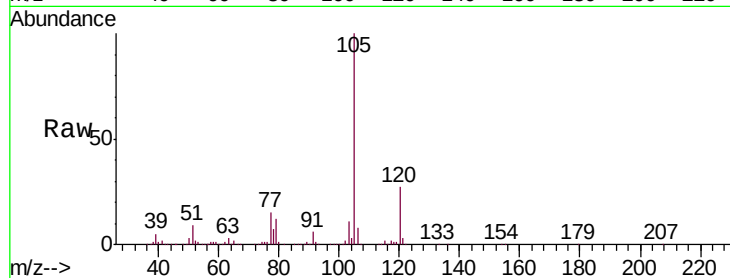
Tgt Ion: 105 Resp: 573775

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

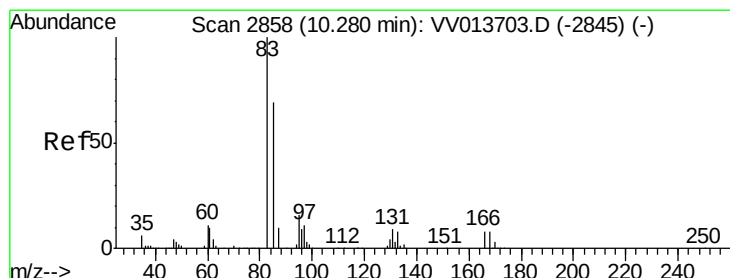
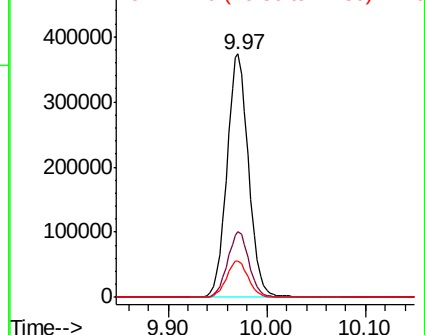
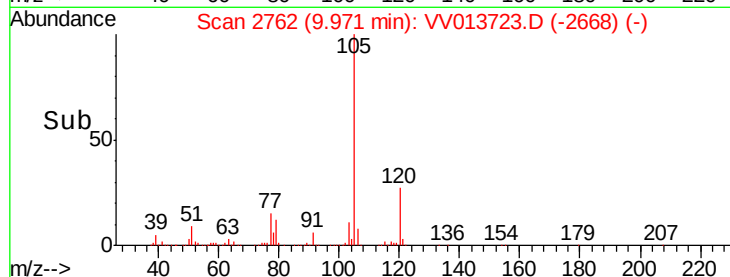
77 15.2 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.434 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

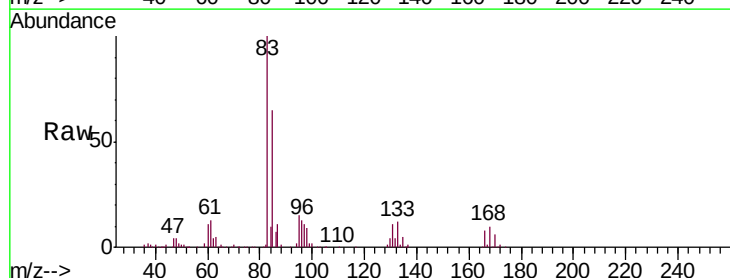
Tgt Ion: 83 Resp: 107063

Ion Ratio Lower Upper

83 100

85 65.2 43.0 80.0

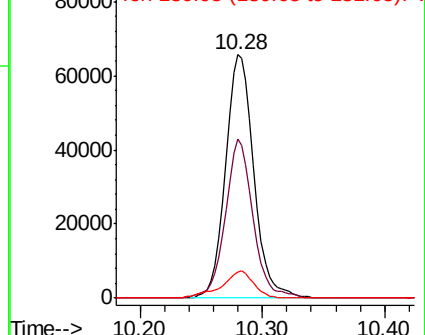
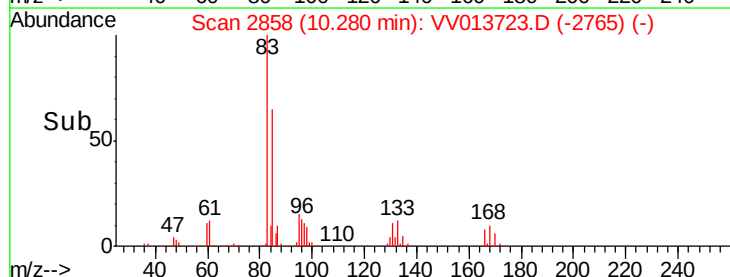
131 10.8 8.3 12.5

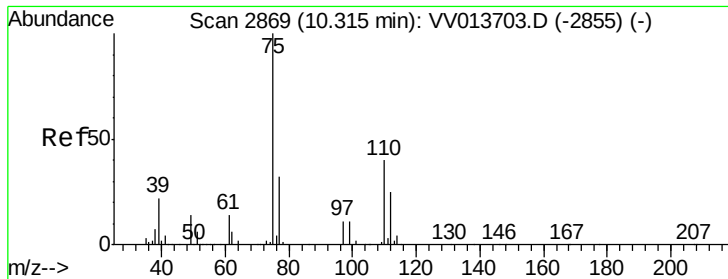


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.269 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

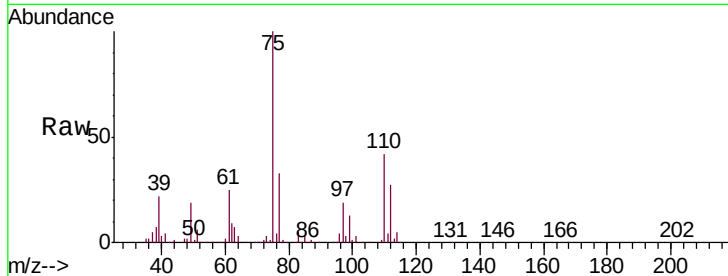
VSTD00545

Tgt Ion: 75 Resp: 80222

Ion Ratio Lower Upper

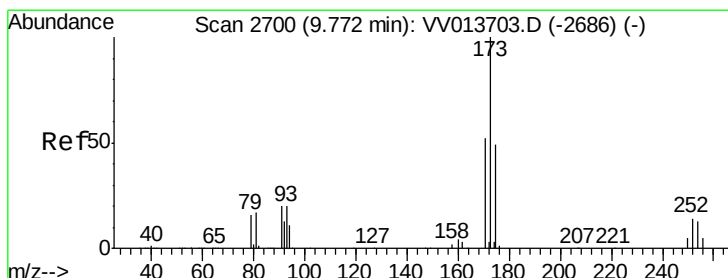
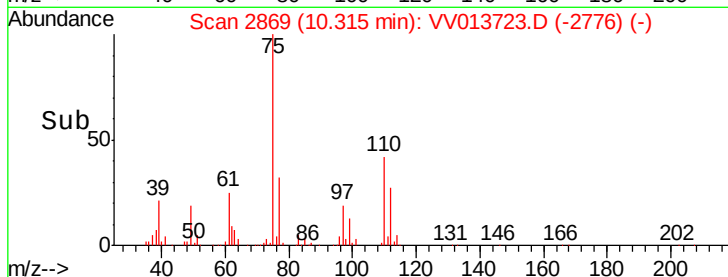
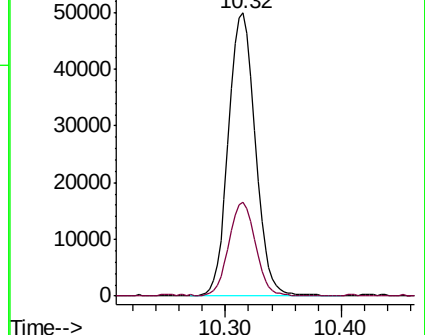
75 100

77 32.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV013703.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013703.D (-2855) (-)



#61

Bromoform

Concen: 4.877 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

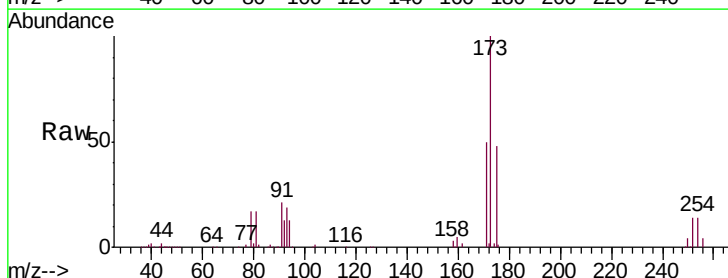
Tgt Ion: 173 Resp: 69353

Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.2

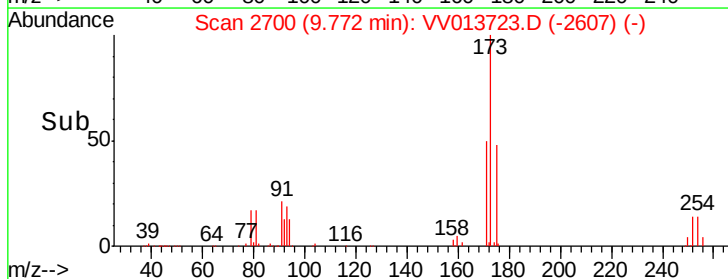
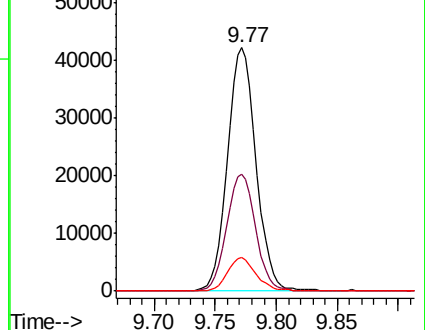
254 13.8 10.4 15.6

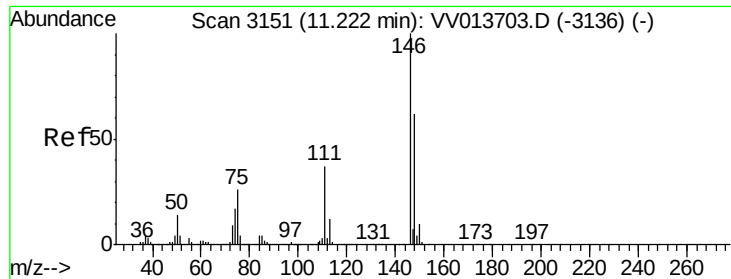


Abundance Ion 172.90 (172.60 to 173.60): VV013703.D (-2686) (-)

Ion 174.90 (174.60 to 175.60): VV013703.D (-2686) (-)

Ion 253.75 (253.45 to 254.45): VV013703.D (-2686) (-)





#62

1,3-Dichlorobenzene

Concen: 4.843 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

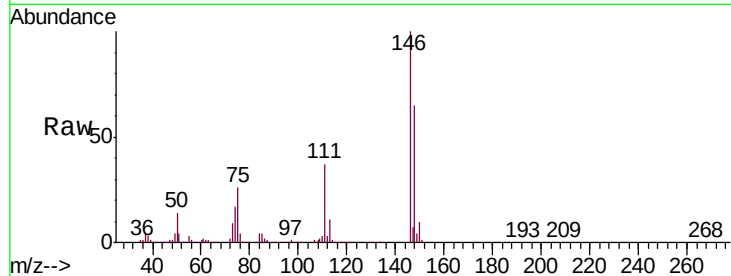
Tgt Ion:146 Resp: 308356

Ion Ratio Lower Upper

146 100

111 36.8 26.2 48.6

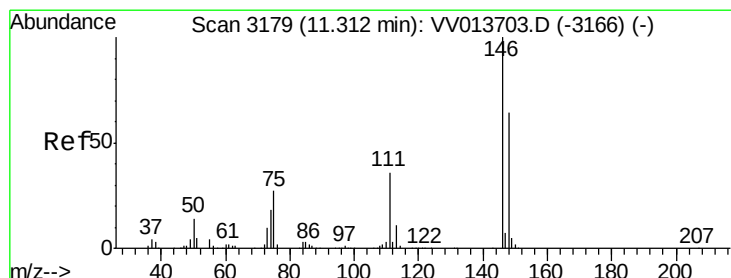
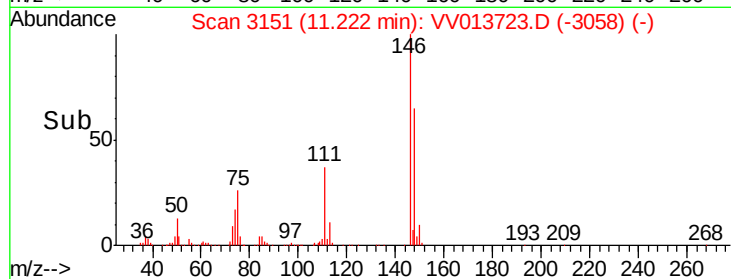
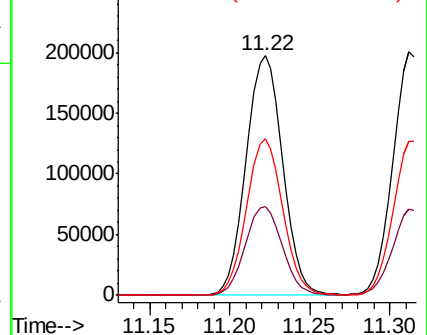
148 65.1 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.783 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013723.D

Acq: 21 Nov 2019 19:30

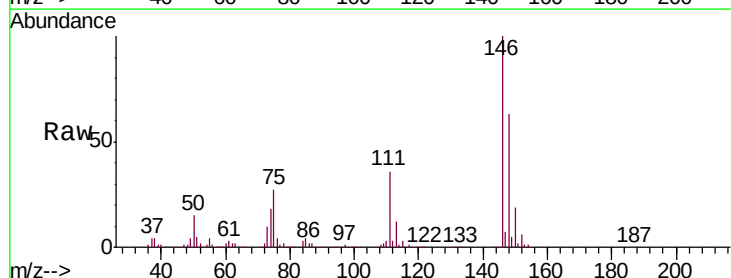
Tgt Ion:146 Resp: 309229

Ion Ratio Lower Upper

146 100

111 35.6 25.6 47.6

148 63.5 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

