

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015806.D
 Acq On : 29 Apr 2020 20:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Quant Time: Apr 30 01:43:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	140914	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	135592	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	69054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40381	5.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.60%
7) Chloroethane-d5	1.58	69	34804	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.12	63	84536	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	3.96	46	105192	44.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.98%
24) Chloroform-d	4.38	84	74662	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.06	65	43452	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.07	84	146773	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.10	67	44819	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.34	98	138891	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.64	79	17085	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.11	63	79464	40.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32871	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	48892	4.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	61844	5.124	ug/L 100
3) Chloromethane	1.25	50	57892	5.544	ug/L 99
5) Vinyl chloride	1.32	62	58901	5.282	ug/L 99
6) Bromomethane	1.53	94	29656	6.194	ug/L 96
8) Chloroethane	1.59	64	37946	5.181	ug/L 98
9) Trichlorofluoromethane	1.76	101	85563	5.467	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47356	5.348	ug/L 95
12) 1,1-Dichloroethene	2.13	96	43648	5.322	ug/L 96
13) Acetone	2.24	43	89294	54.384	ug/L 97
14) Carbon disulfide	2.31	76	120133	5.182	ug/L 100
15) Methyl Acetate	2.47	43	22143	5.671	ug/L 94
16) Methylene chloride	2.52	84	51393	5.076	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	126872	5.511	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	48693	5.303	ug/L 96
19) 1,1-Dichloroethane	3.21	63	101600	5.635	ug/L 98
21) 2-Butanone	4.04	43	142257	56.171	ug/L 91
22) cis-1,2-Dichloroethene	3.94	96	53449	5.264	ug/L 98

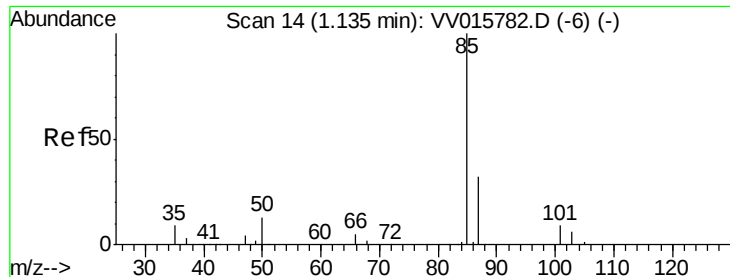
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
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 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	22930	5.529	ug/L	95
25) Chloroform	4.40	83	107805	5.632	ug/L	100
27) 1,2-Dichloroethane	5.16	62	67357	5.356	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	91455	5.319	ug/L	99
30) Cyclohexane	4.70	56	84808	5.162	ug/L	100
31) Carbon tetrachloride	4.85	117	76807	5.394	ug/L	99
33) Benzene	5.13	78	210968	5.446	ug/L	100
34) Trichloroethene	5.94	95	55915	5.226	ug/L	96
35) Methylcyclohexane	6.15	83	82770	5.041	ug/L	99
37) 1,2-Dichloropropane	6.20	63	54530	5.538	ug/L	100
38) Bromodichloromethane	6.53	83	68575	5.484	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	71219	5.189	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	361064	56.498	ug/L	100
42) Toluene	7.41	91	222814	5.383	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	60554	5.250	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	36976	5.509	ug/L	97
47) Tetrachloroethene	8.00	164	41172	5.345	ug/L	98
48) 2-Hexanone	8.16	43	260030	57.057	ug/L	99
49) Dibromochloromethane	8.27	129	40491	5.829	ug/L	99
50) 1,2-Dibromoethane	8.38	107	34907	5.624	ug/L	93
51) Chlorobenzene	8.90	112	144628	5.334	ug/L	97
52) Ethylbenzene	9.03	91	257635	5.378	ug/L	99
53) m,p-xylene	9.16	106	94545	5.388	ug/L	99
54) o-xylene	9.57	106	92185	5.430	ug/L	98
55) Styrene	9.58	104	159536	5.538	ug/L	98
56) Isopropylbenzene	9.95	105	254620	5.346	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	44135	5.632	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	34565	5.498	ug/L	98
61) Bromoform	9.75	173	17083	5.993	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	116433	5.327	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	116869	5.302	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	106703	5.398	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6851	5.320	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	83304	5.158	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	73193	4.924	ug/L	99
69) Naphthalene	13.53	128	125507	4.718	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	65635	5.003	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.124 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

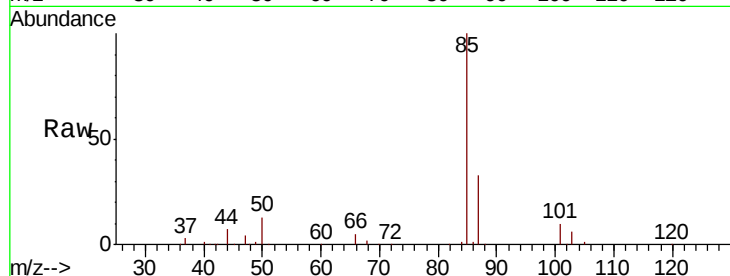
VSTD00548

Tot Ion: 85 Resp: 61844

Ion Ratio Lower Upper

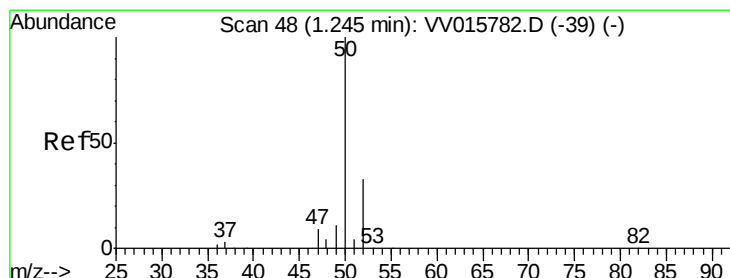
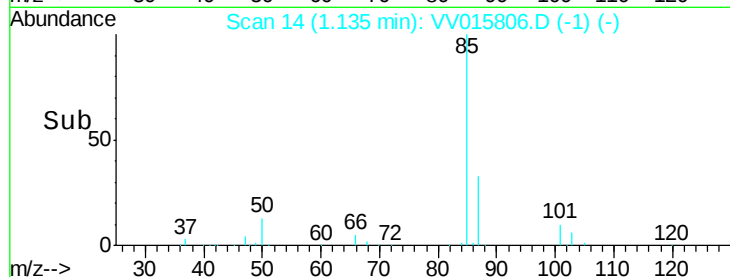
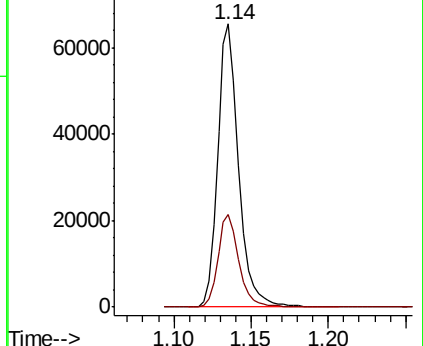
85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015782.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015782.D (-6) (-)



#3

Chloromethane

Concen: 5.544 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015806.D

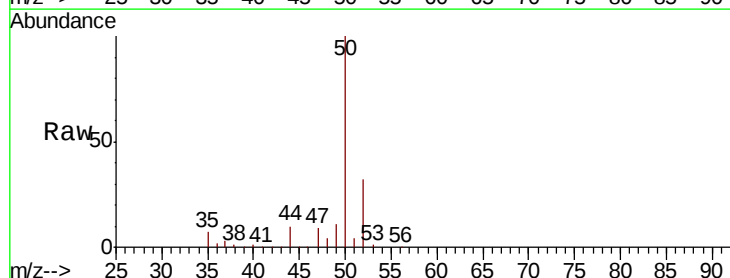
Acq: 29 Apr 2020 20:34

Tgt Ion: 50 Resp: 57892

Ion Ratio Lower Upper

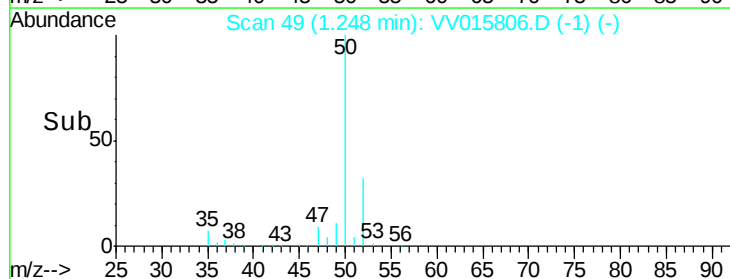
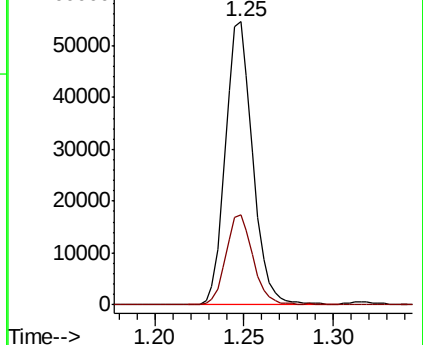
50 100

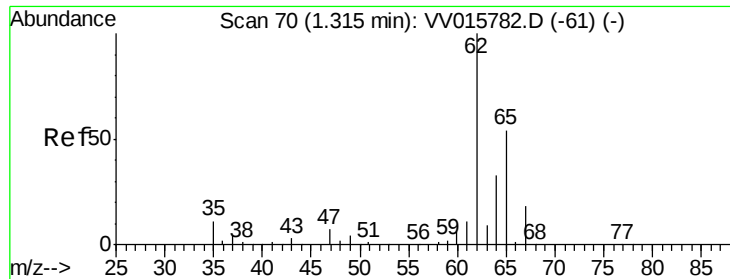
52 32.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015782.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV015782.D (-39) (-)





#5

Vinyl chloride

Concen: 5.282 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleID :

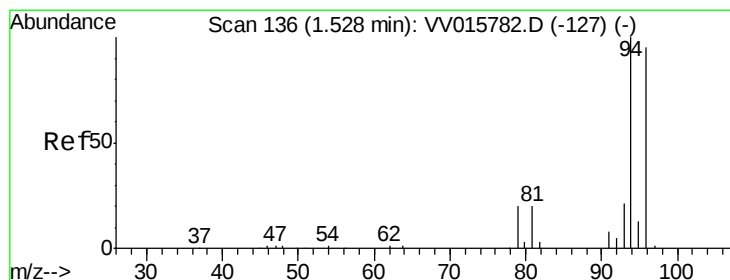
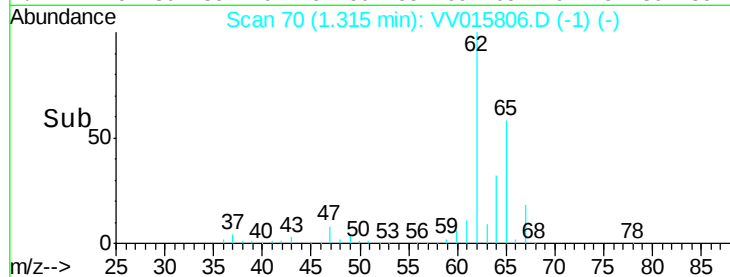
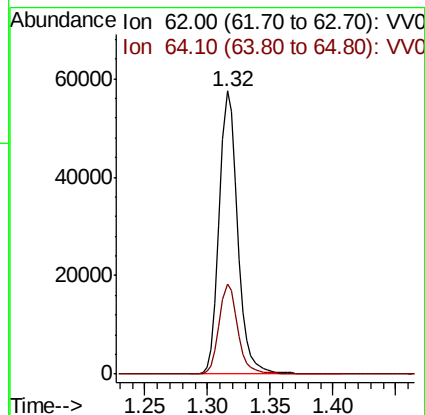
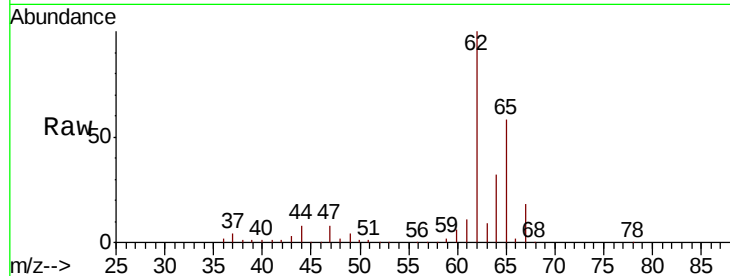
VSTD00548

Tot Ion: 62 Resp: 58901

Ion Ratio Lower Upper

62 100

64 31.6 22.7 42.1



#6

Bromomethane

Concen: 6.194 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015806.D

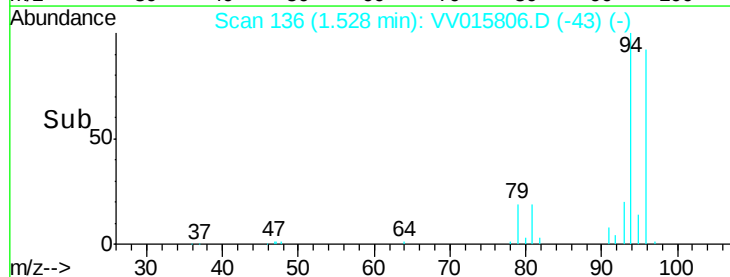
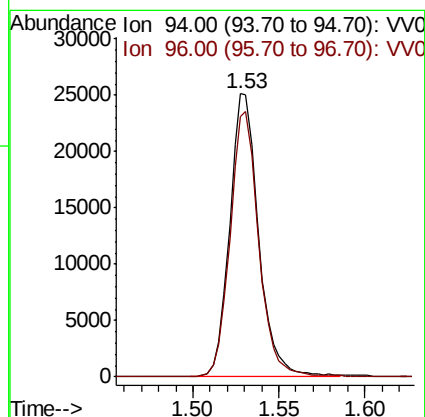
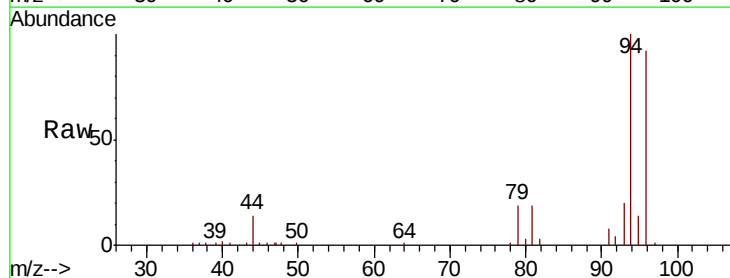
Acq: 29 Apr 2020 20:34

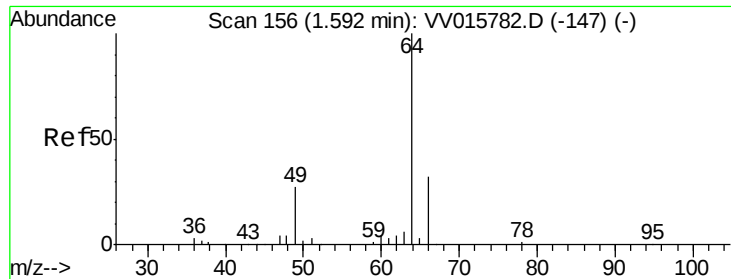
Tgt Ion: 94 Resp: 29656

Ion Ratio Lower Upper

94 100

96 91.9 67.3 125.1





#8

Chloroethane

Concen: 5.181 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

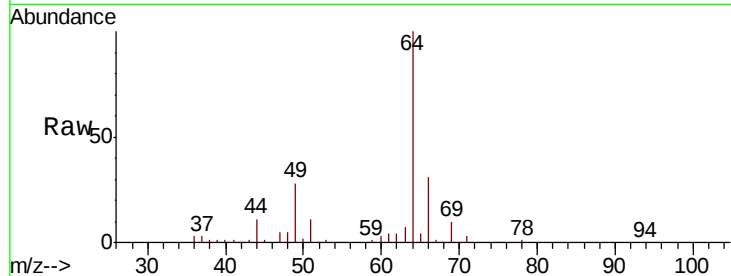
VSTD00548

Tot Ion: 64 Resp: 37946

Ion Ratio Lower Upper

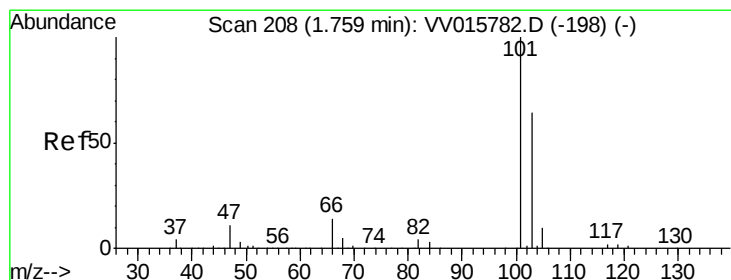
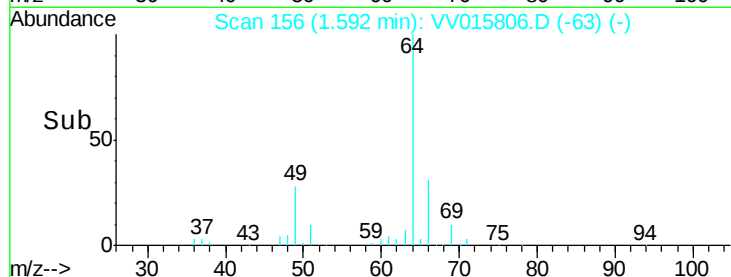
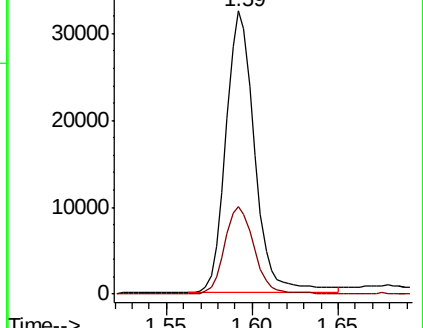
64 100

66 30.8 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015782.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV015782.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.467 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015806.D

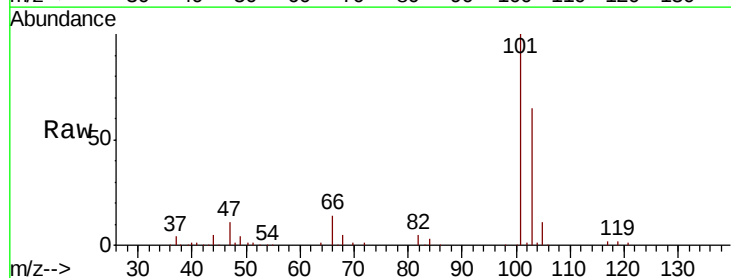
Acq: 29 Apr 2020 20:34

Tgt Ion:101 Resp: 85563

Ion Ratio Lower Upper

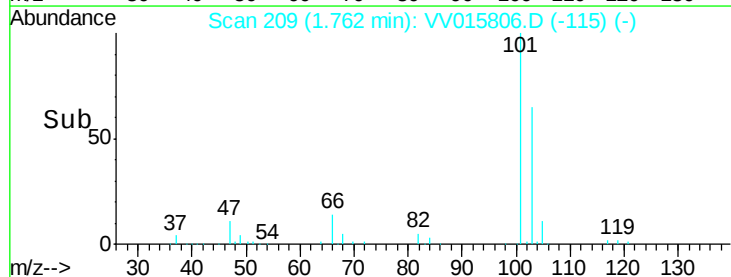
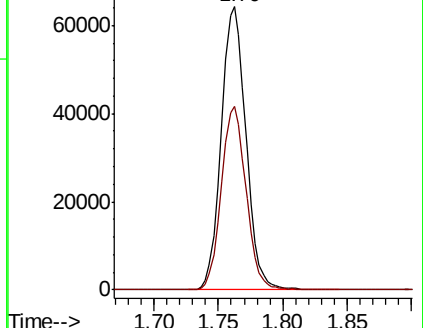
101 100

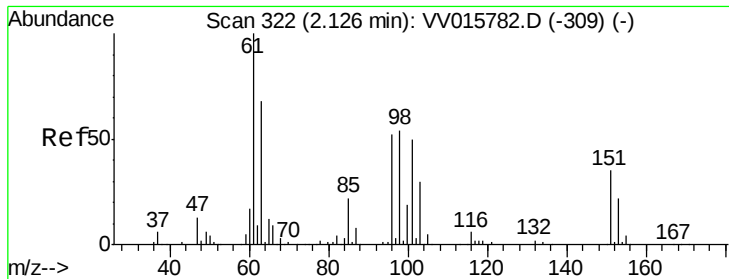
103 64.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015782.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015782.D (-198) (-)





#10

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

Concen: 5.348 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

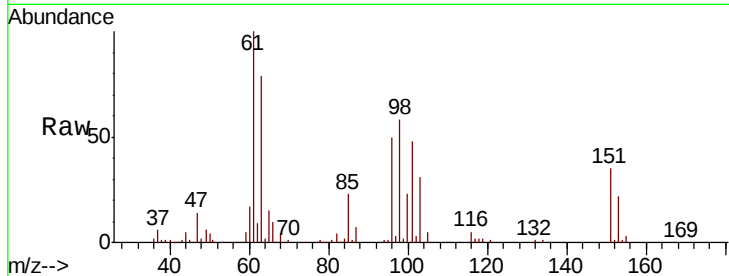
Tot Ion:101 Resp: 47356

Ion Ratio Lower Upper

101 100

85 47.2 36.1 54.1

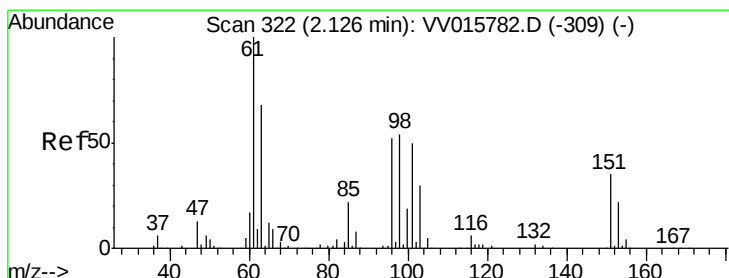
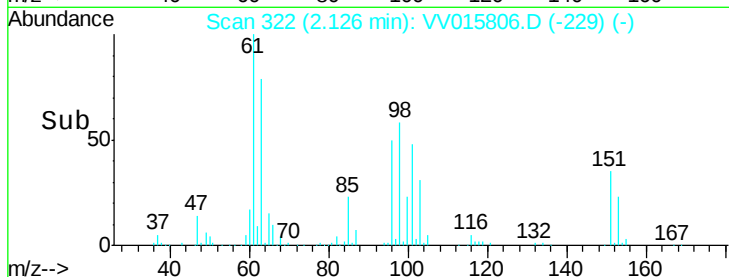
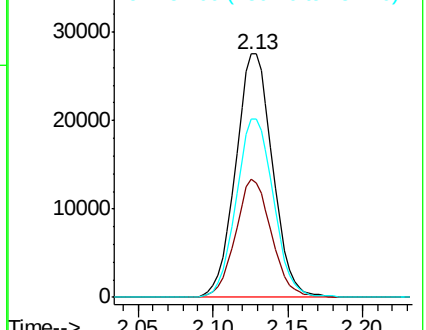
151 74.0 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.322 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

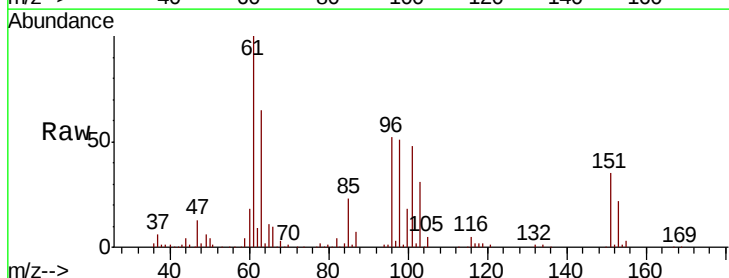
Tgt Ion: 96 Resp: 43648

Ion Ratio Lower Upper

96 100

61 190.7 130.1 241.7

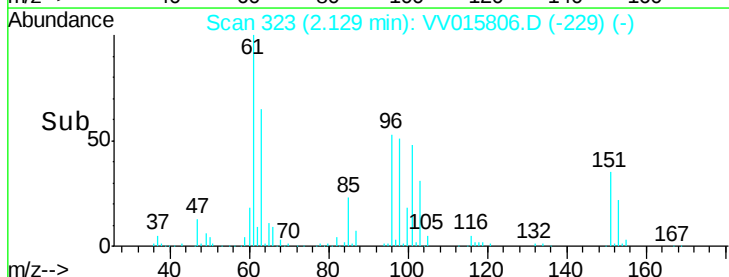
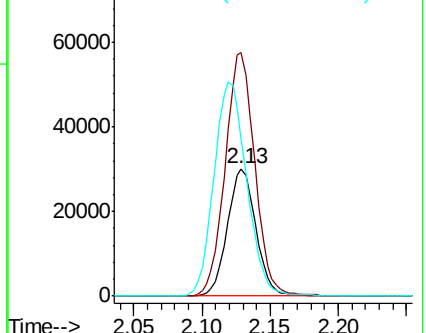
63 123.5 91.4 169.8

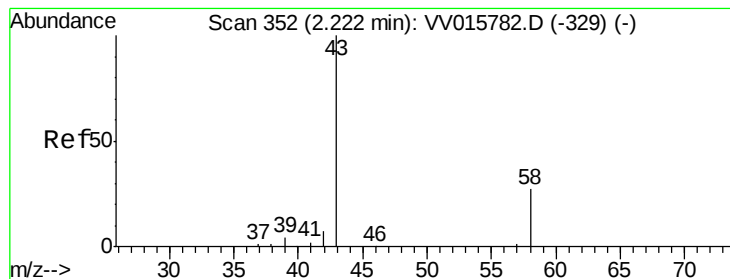


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.384 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.02 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

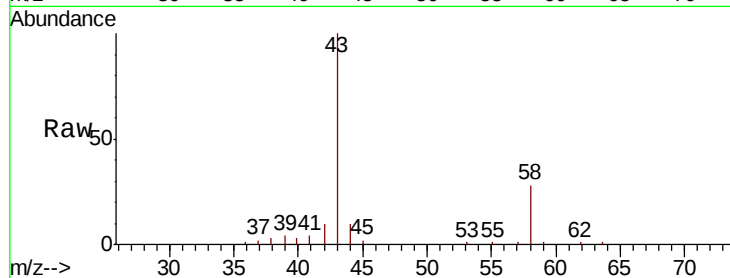
VSTD00548

Tot Ion: 43 Resp: 89294

Ion Ratio Lower Upper

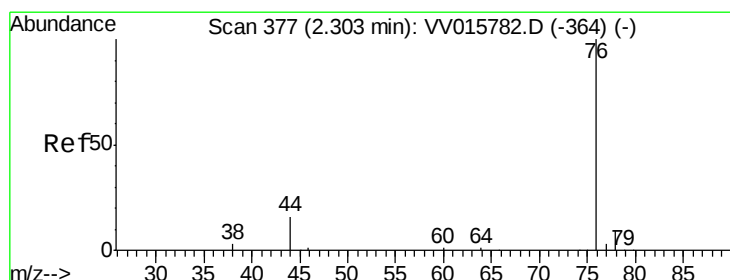
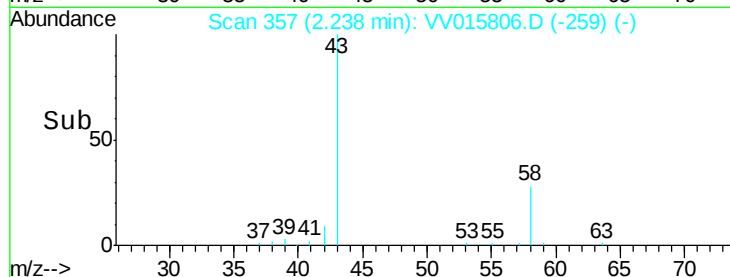
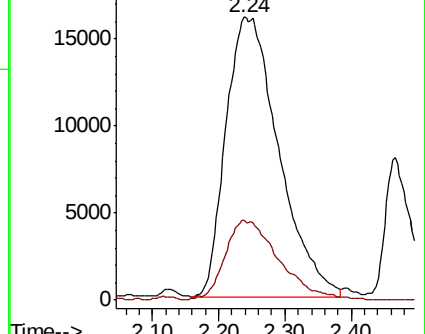
43 100

58 27.2 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.182 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015806.D

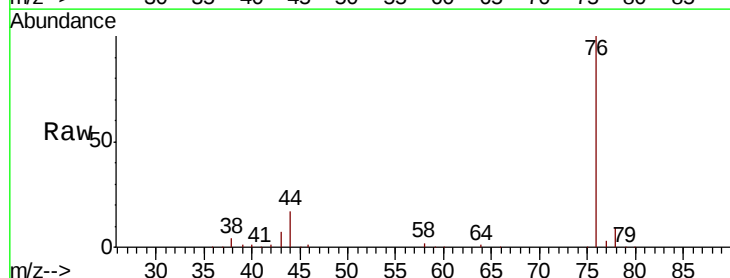
Acq: 29 Apr 2020 20:34

Tgt Ion: 76 Resp: 120133

Ion Ratio Lower Upper

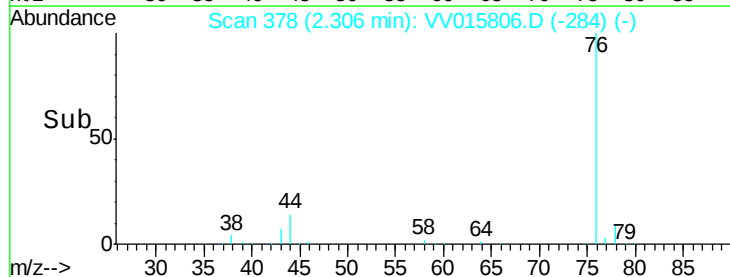
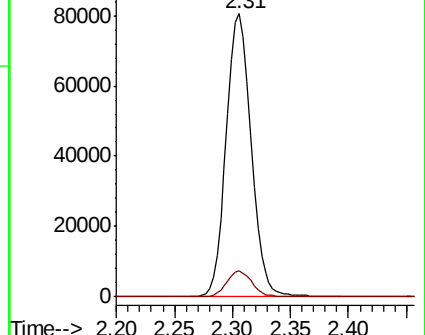
76 100

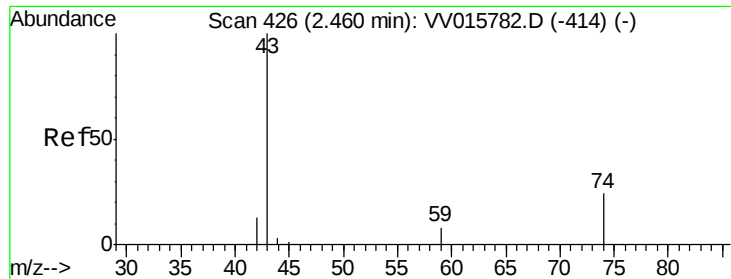
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 5.671 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

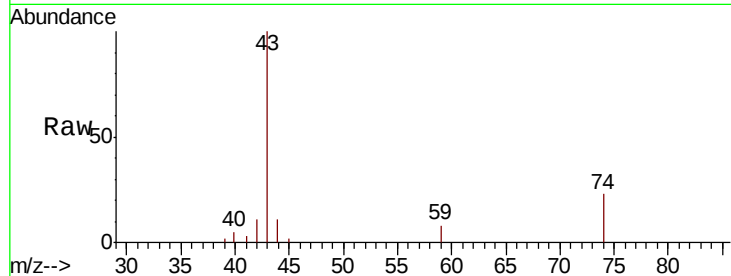
VSTD00548

Tot Ion: 43 Resp: 22143

Ion Ratio Lower Upper

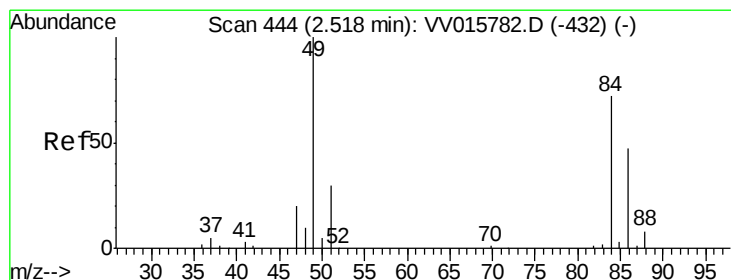
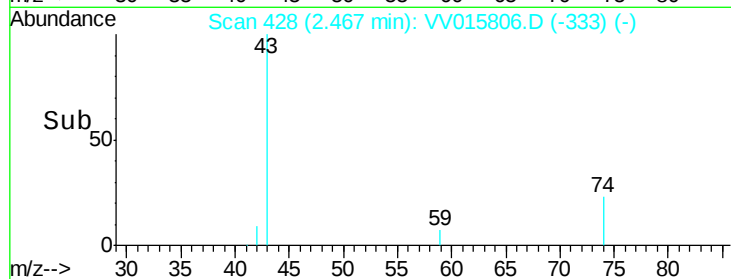
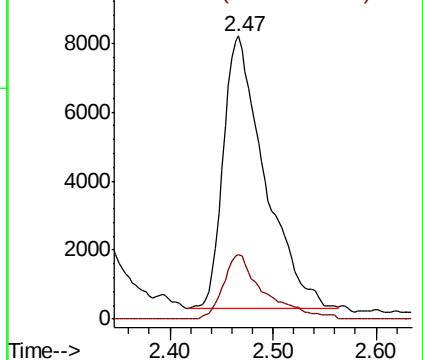
43 100

74 23.2 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.076 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

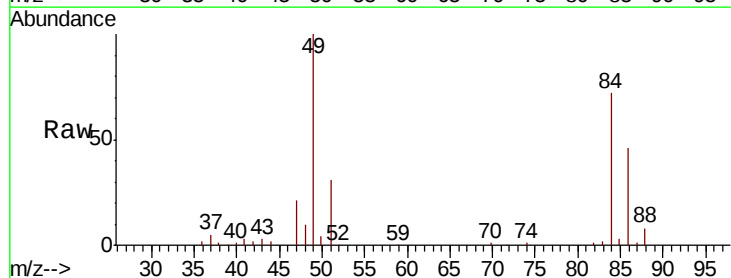
Tgt Ion: 84 Resp: 51393

Ion Ratio Lower Upper

84 100

86 64.2 45.1 83.7

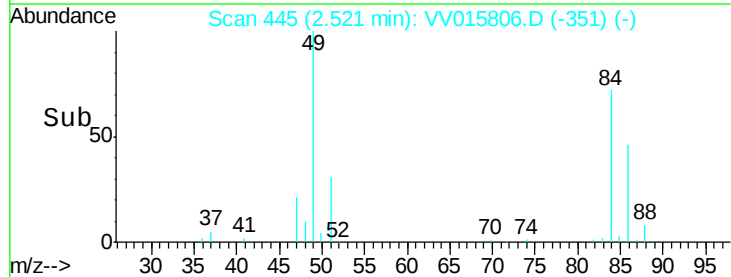
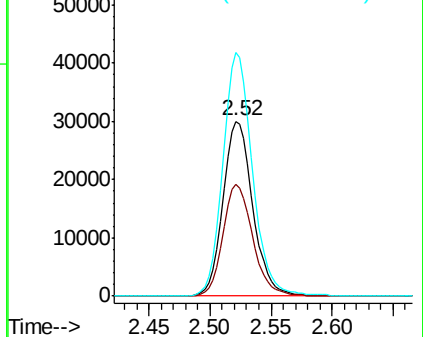
49 139.4 94.4 175.4

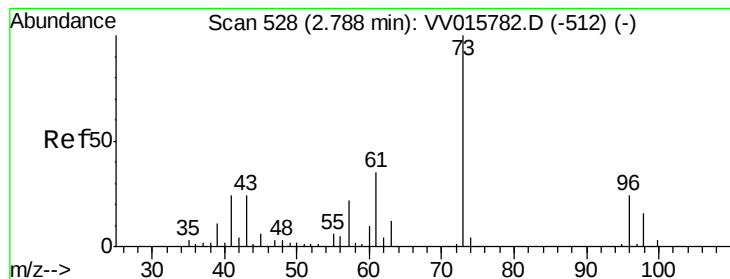


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



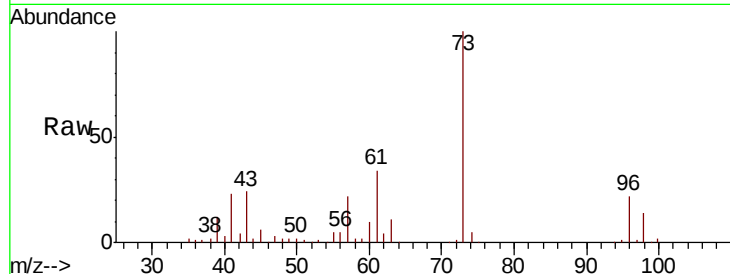


#17

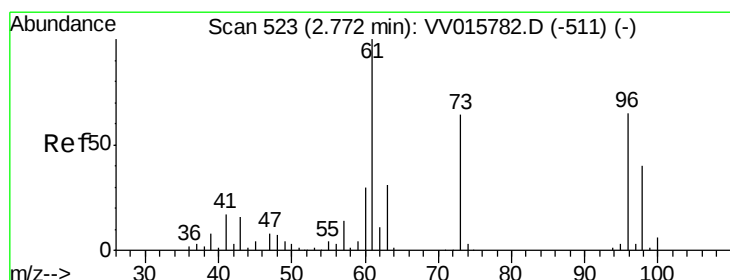
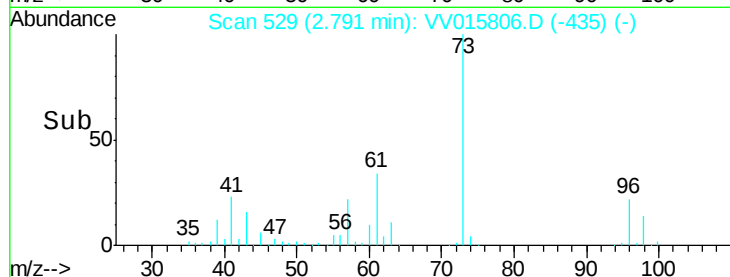
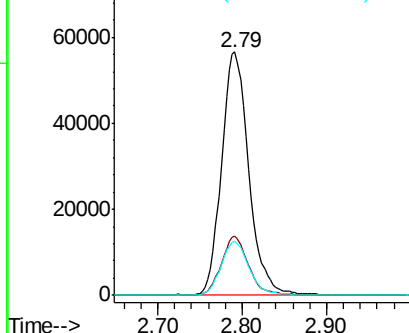
Methyl tert-butyl Ether
 Concen: 5.511 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00548

Tot Ion: 73 Resp: 126872
 Ion Ratio Lower Upper
 73 100
 43 23.7 20.1 30.1
 57 22.9 17.8 26.8



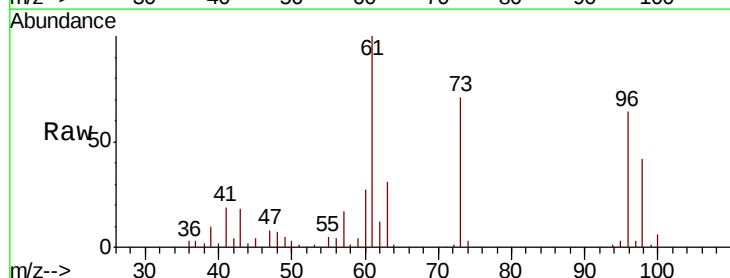
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



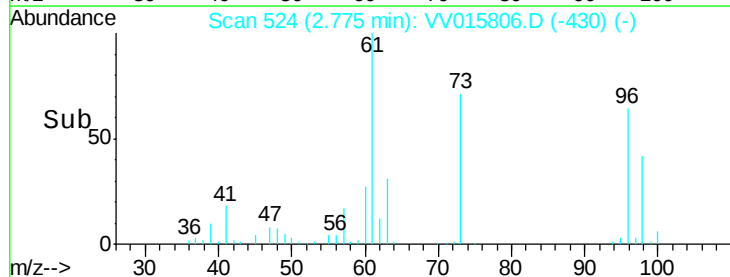
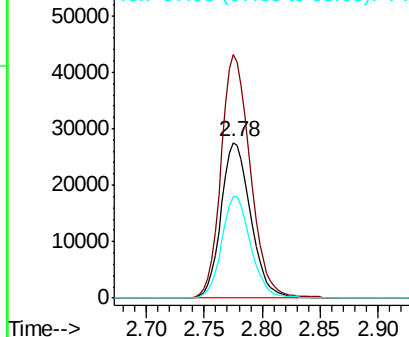
#18

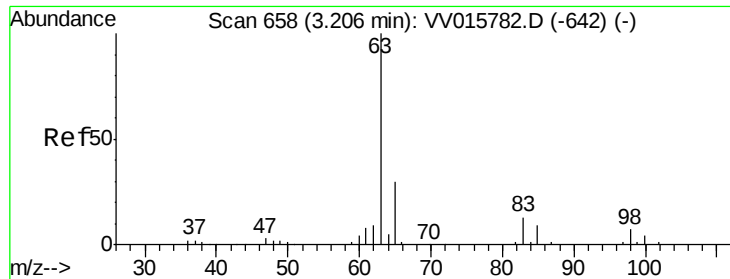
trans-1,2-Dichloroethene
 Concen: 5.303 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion: 96 Resp: 48693
 Ion Ratio Lower Upper
 96 100
 61 156.4 105.5 195.9
 98 65.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

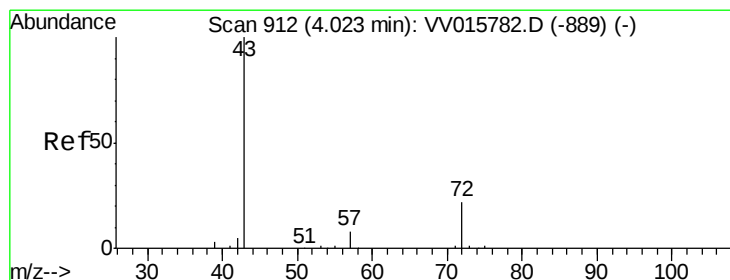
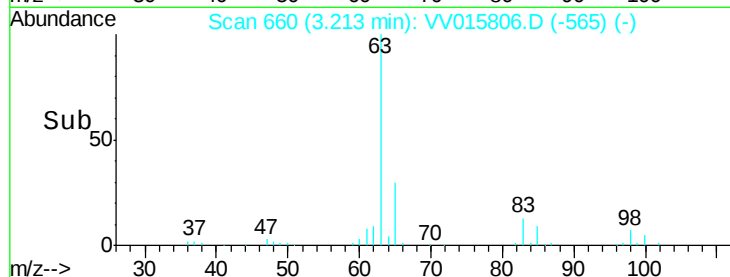
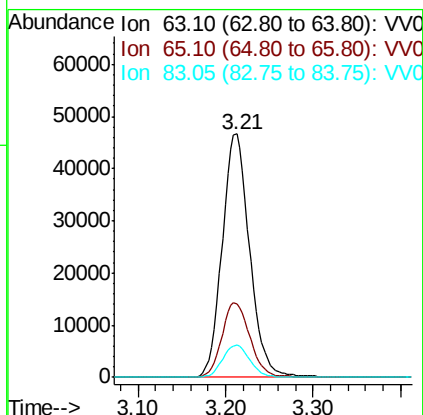
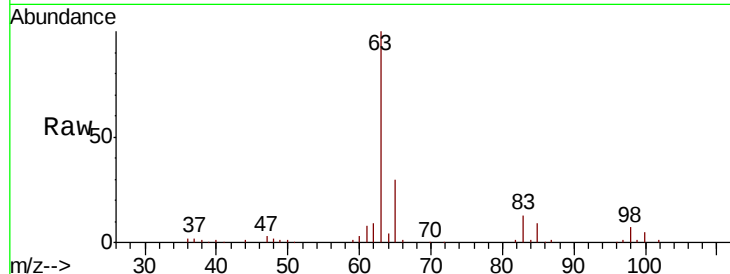




#19
 1,1-Dichloroethane
 Concen: 5.635 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

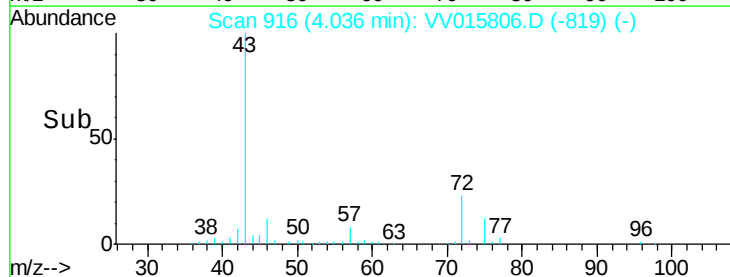
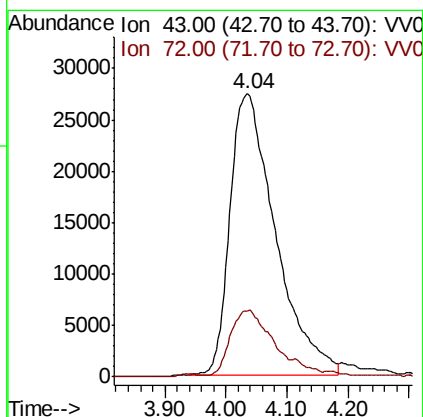
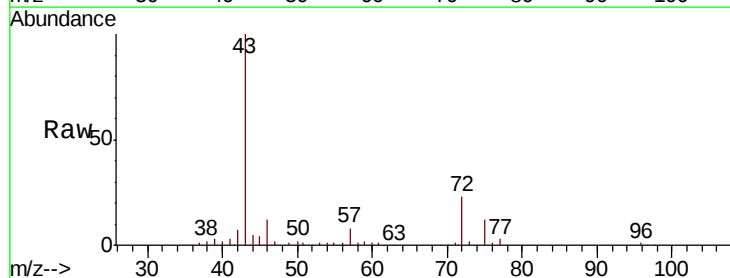
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

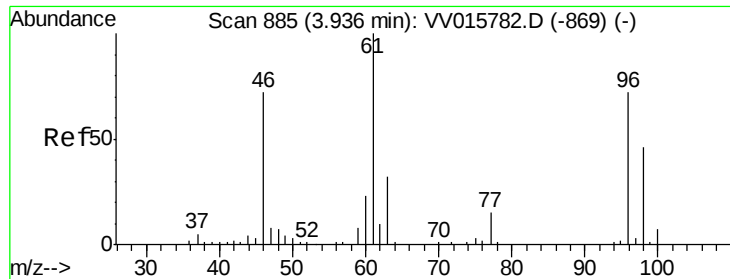
Tot Ion: 63 Resp: 101600
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.3 41.3
 83 13.3 9.3 17.3



#21
 2-Butanone
 Concen: 56.171 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion: 43 Resp: 142257
 Ion Ratio Lower Upper
 43 100
 72 20.1 12.3 36.9



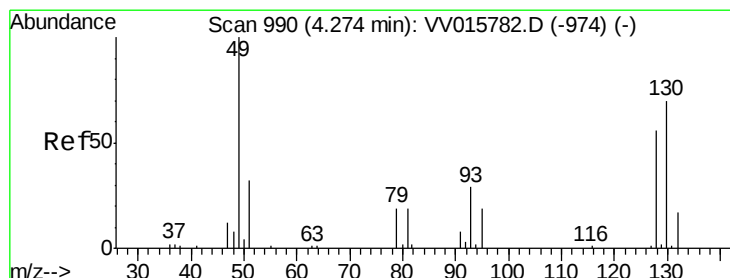
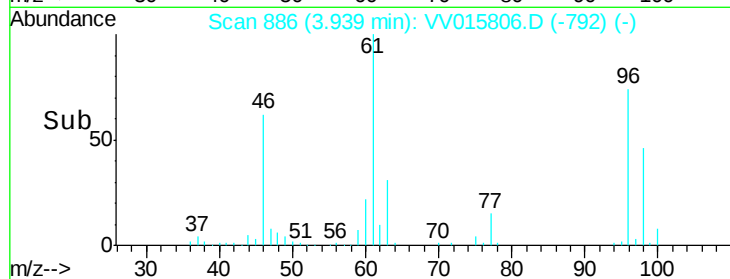
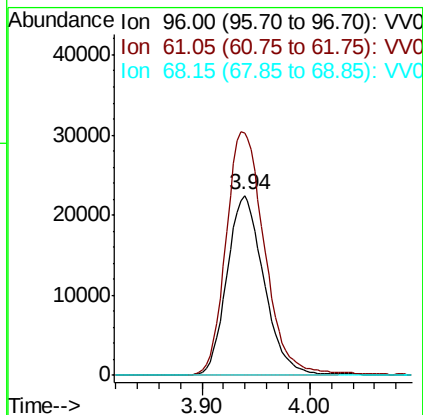
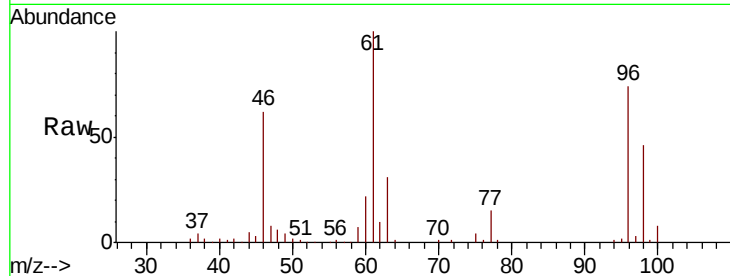


#22

cis-1,2-Dichloroethene
 Concen: 5.264 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

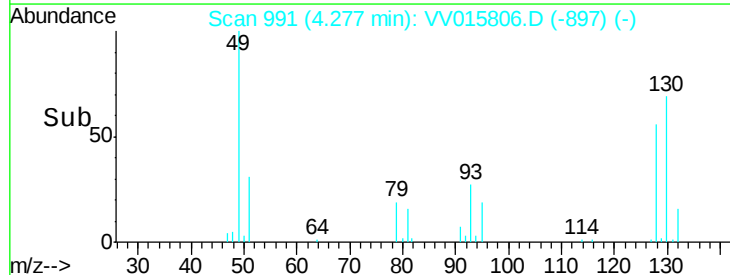
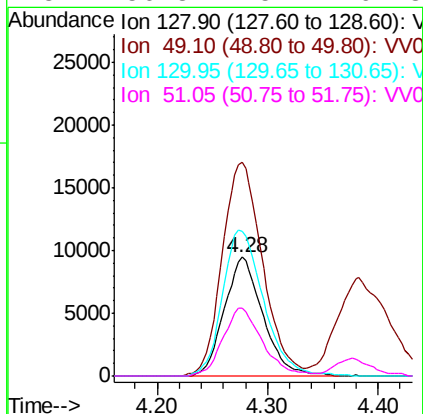
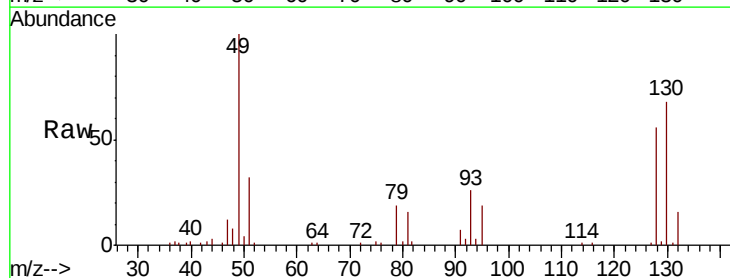
Tot Ion: 96 Resp: 53449
 Ion Ratio Lower Upper
 96 100
 61 135.0 96.4 179.0
 68 0.0 0.0 0.0

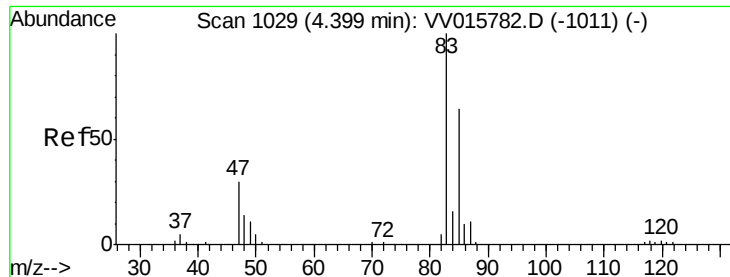


#23

Bromochloromethane
 Concen: 5.529 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion: 128 Resp: 22930
 Ion Ratio Lower Upper
 128 100
 49 179.8 130.8 242.8
 130 121.5 91.1 169.3
 51 56.8 45.2 67.8

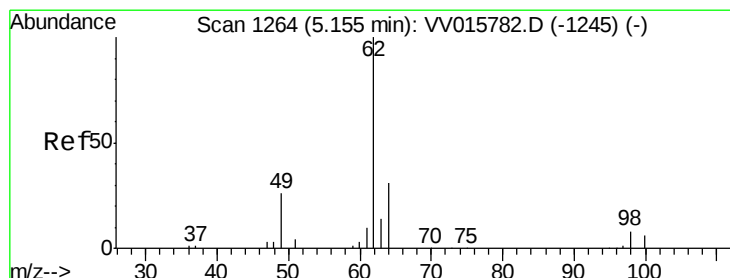
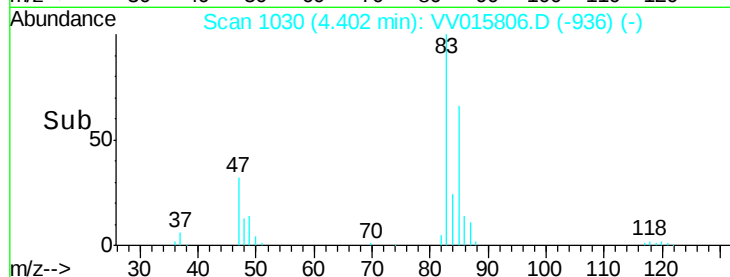
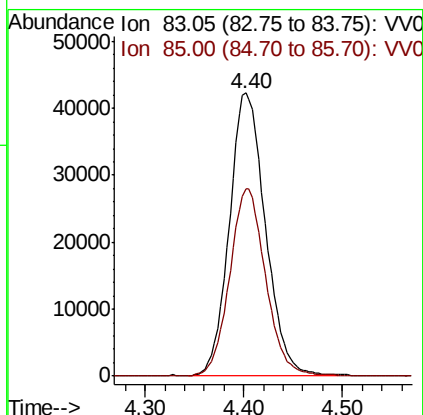
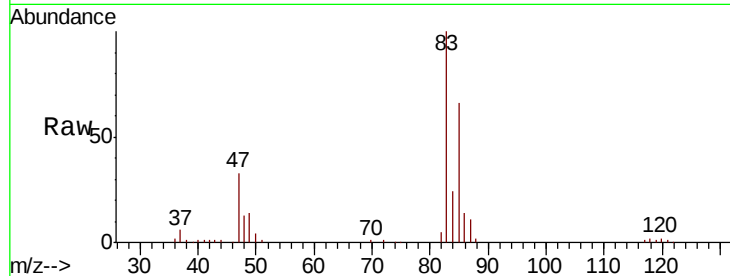




#25
Chloroform
Concen: 5.632 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015806.D
Acq: 29 Apr 2020 20:34

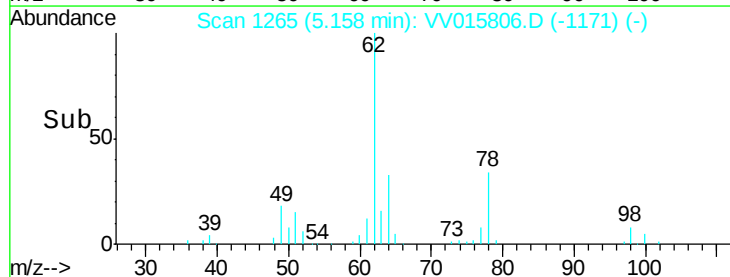
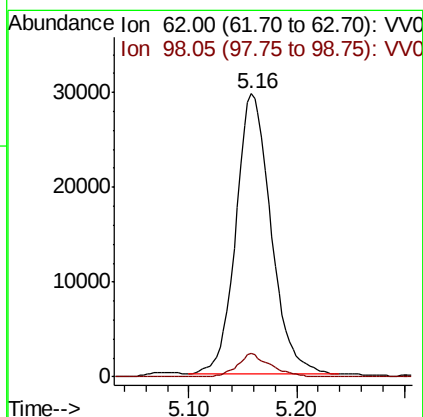
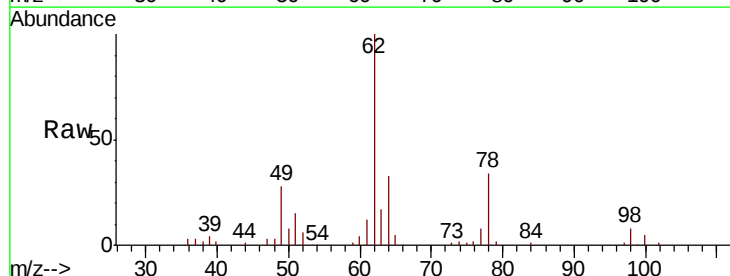
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

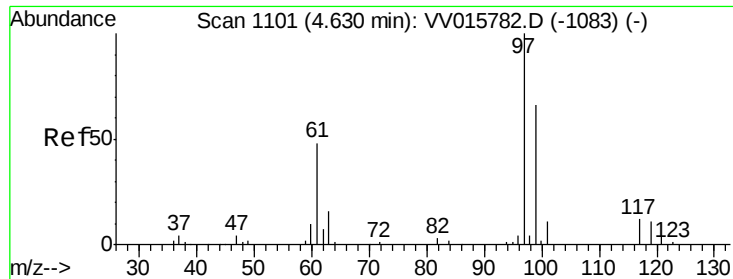
Tot Ion: 83 Resp: 107805
Ion Ratio Lower Upper
83 100
85 66.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.356 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015806.D
Acq: 29 Apr 2020 20:34

Tgt Ion: 62 Resp: 67357
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

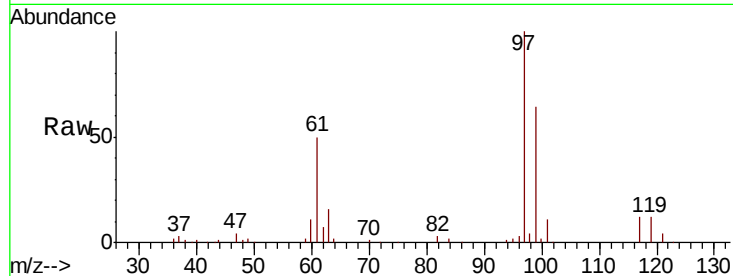




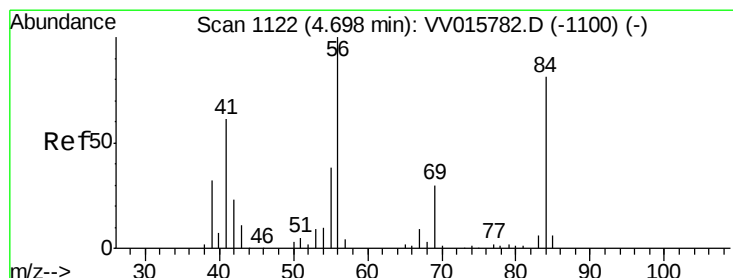
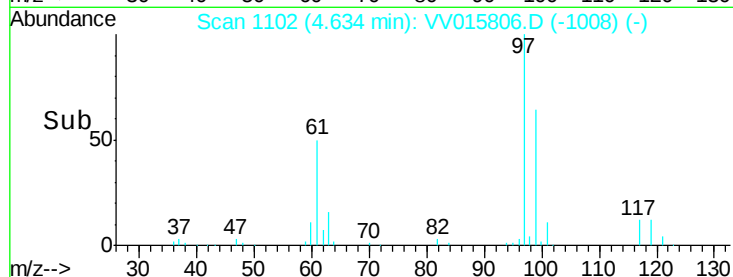
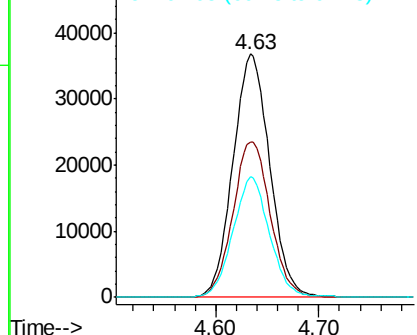
#29
 1,1,1-Trichloroethane
 Concen: 5.319 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tot Ion: 97 Resp: 91455
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.6 77.4
 61 49.1 38.6 57.8

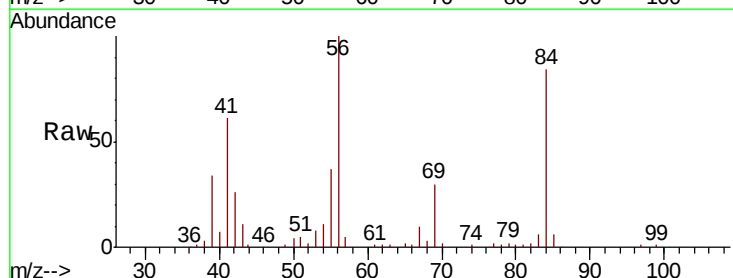


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

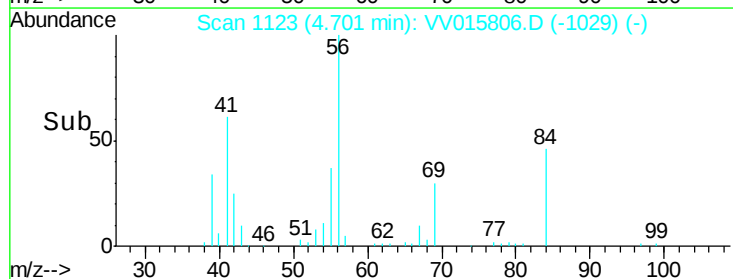
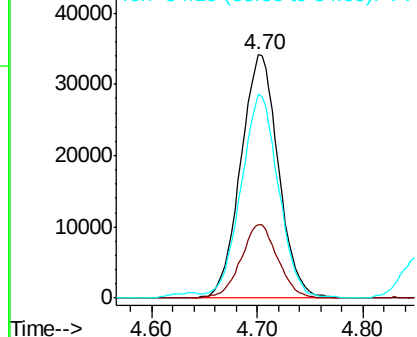


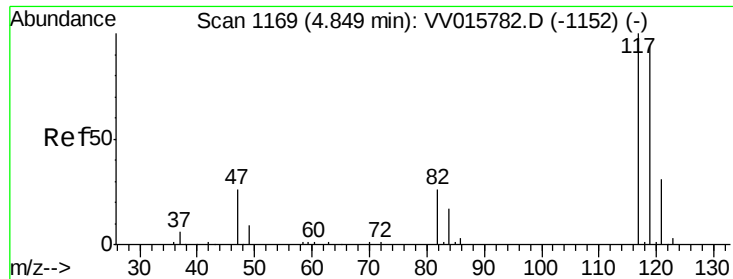
#30
 Cyclohexane
 Concen: 5.162 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion: 56 Resp: 84808
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.9 35.9
 84 83.8 66.9 100.3



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





#31

Carbon tetrachloride

Concen: 5.394 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

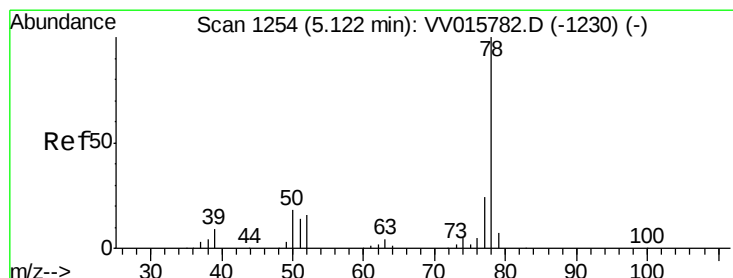
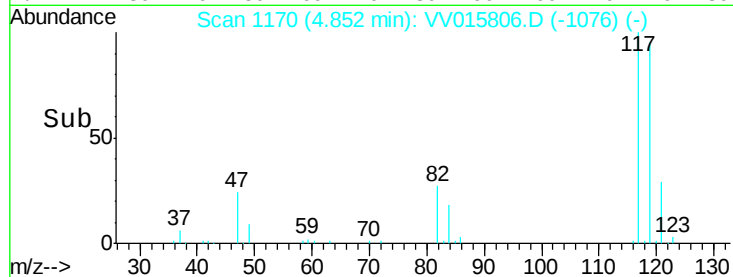
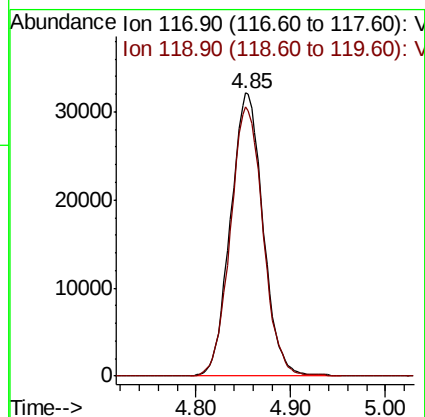
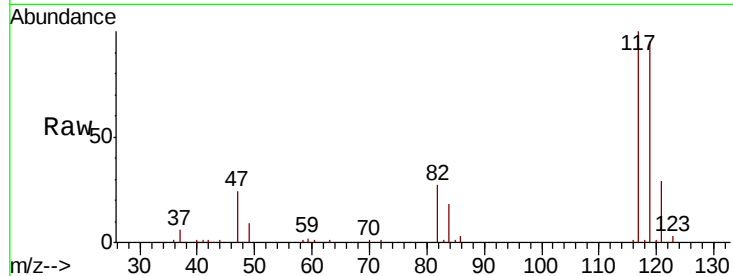
VSTD00548

Tot Ion:117 Resp: 76807

Ion Ratio Lower Upper

117 100

119 95.2 75.6 113.4



#33

Benzene

Concen: 5.446 ug/L

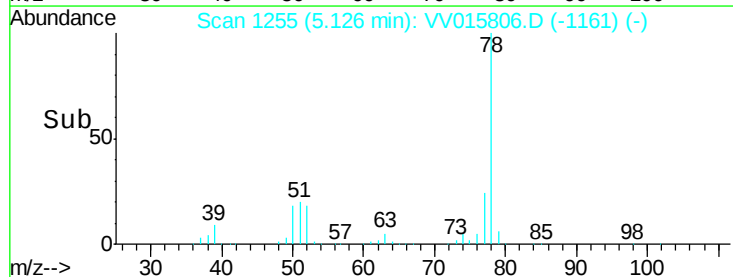
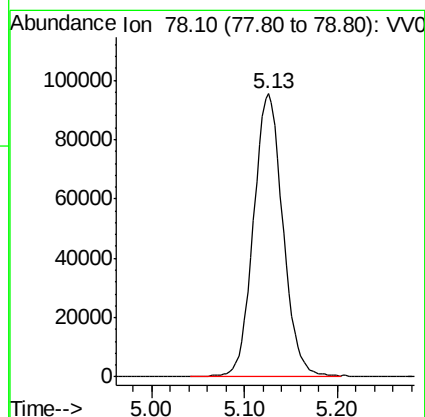
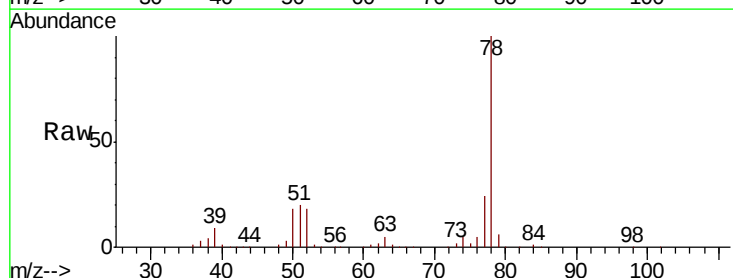
RT: 5.13 min Scan# 1255

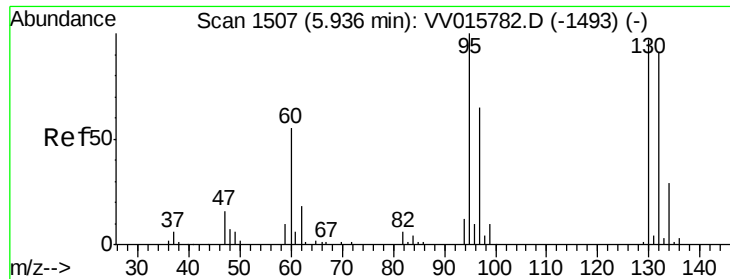
Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Tgt Ion: 78 Resp: 210968





#34

Trichloroethene

Concen: 5.226 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

Tot Ion: 95 Resp: 55915

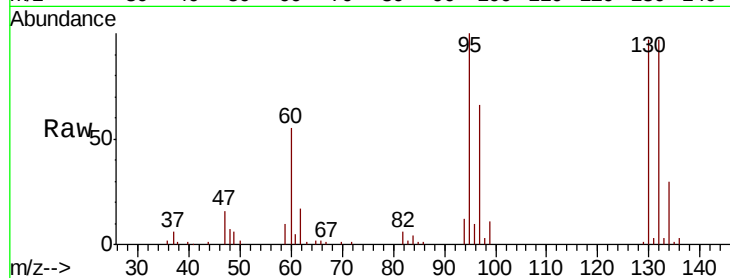
Ion Ratio Lower Upper

95 100

97 66.4 44.7 82.9

132 97.0 65.2 121.0

130 97.3 65.0 120.6

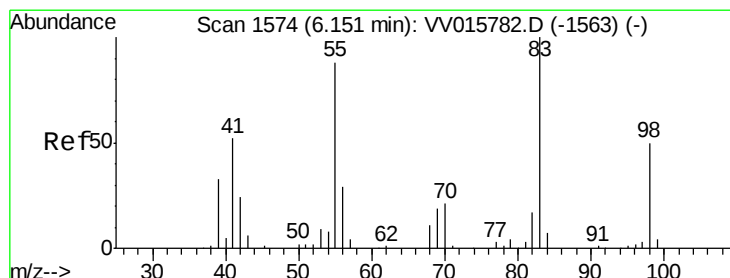
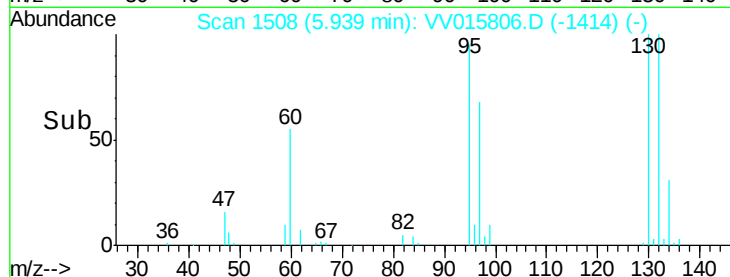
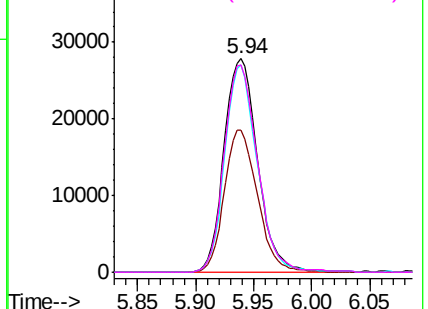


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.041 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

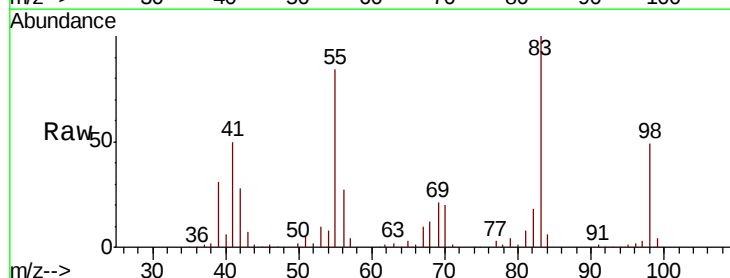
Tgt Ion: 83 Resp: 82770

Ion Ratio Lower Upper

83 100

55 84.7 66.6 99.8

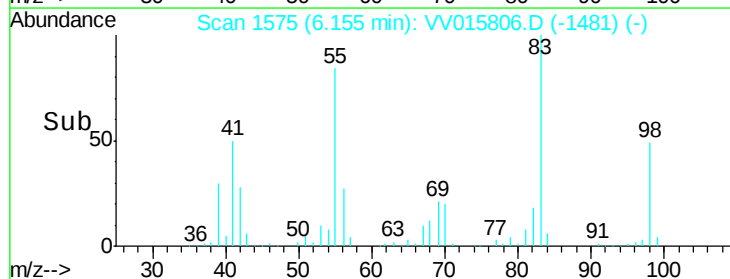
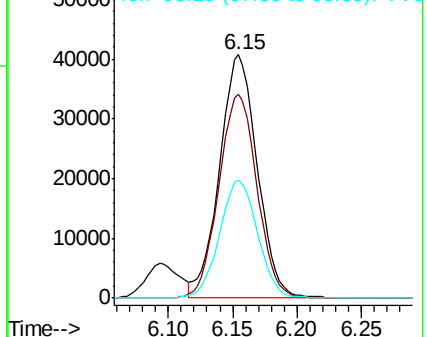
98 49.0 39.5 59.3

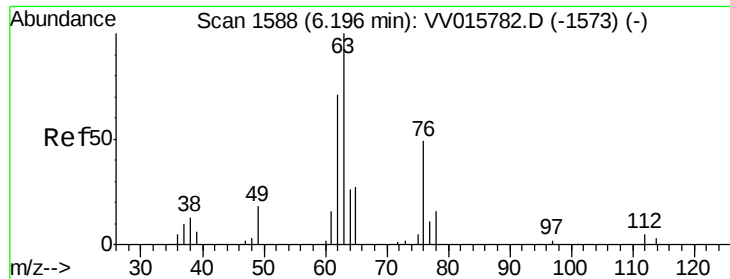


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

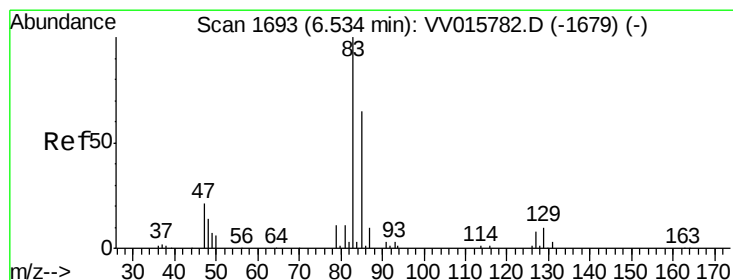
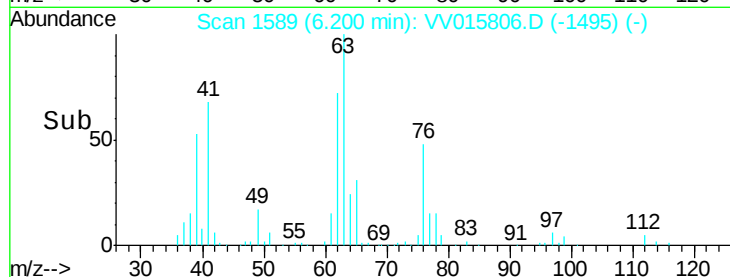
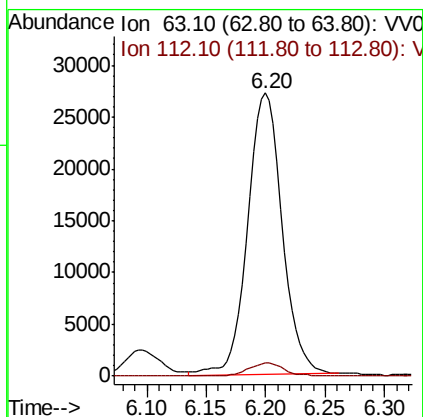
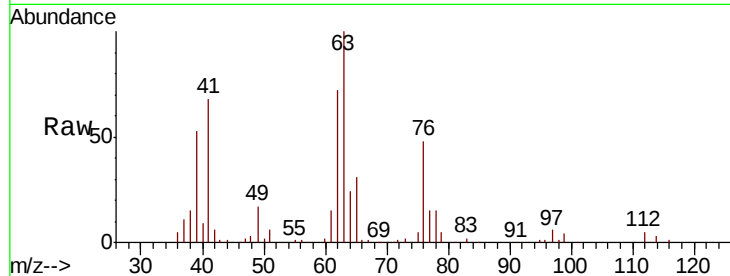




#37
 1,2-Dichloropropane
 Concen: 5.538 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

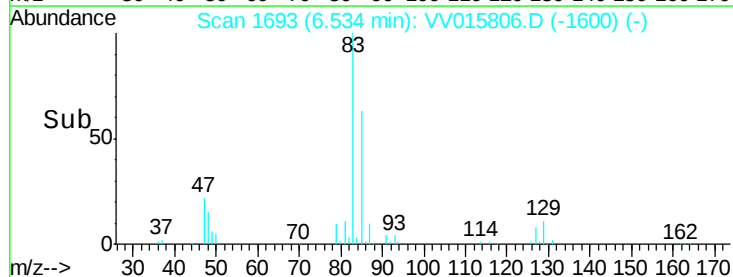
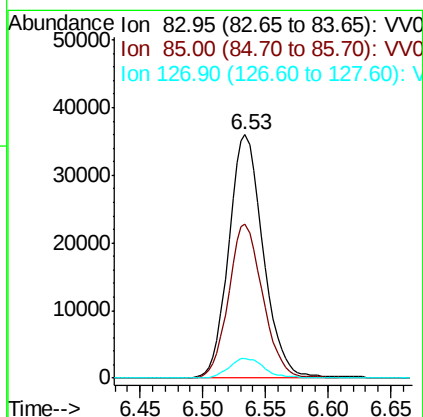
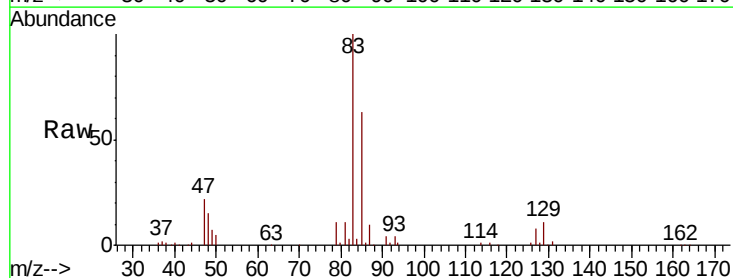
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

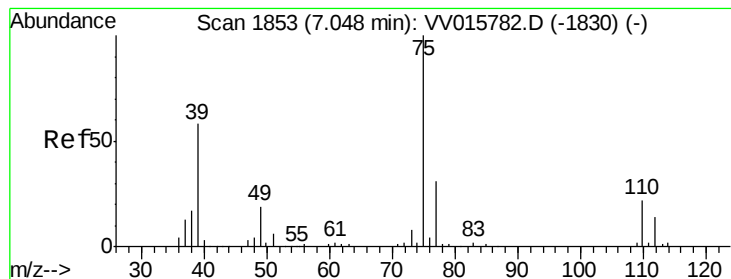
Tot Ion: 63 Resp: 54530
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.484 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion: 83 Resp: 68575
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.7 83.1
 127 8.0 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.189 ug/L

RT: 7.05 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

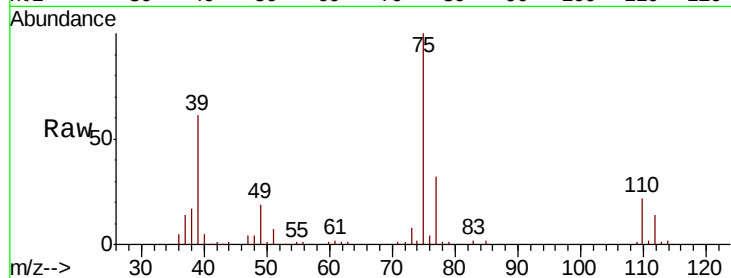
VSTD00548

Tot Ion: 75 Resp: 71219

Ion Ratio Lower Upper

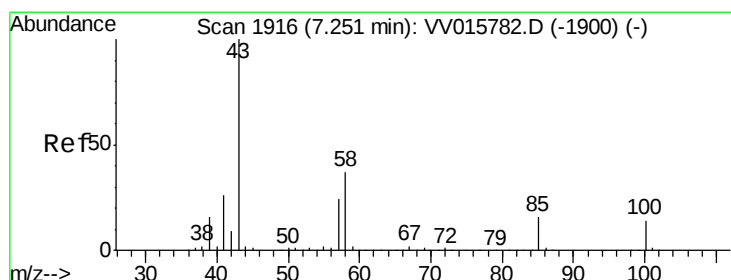
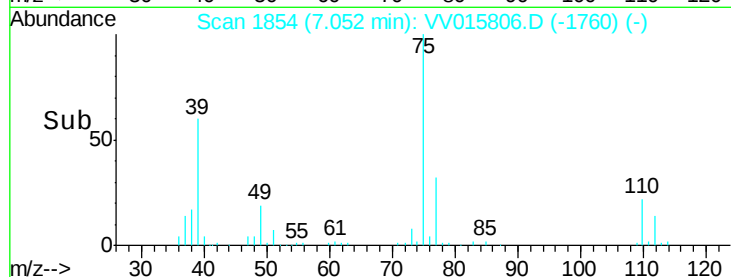
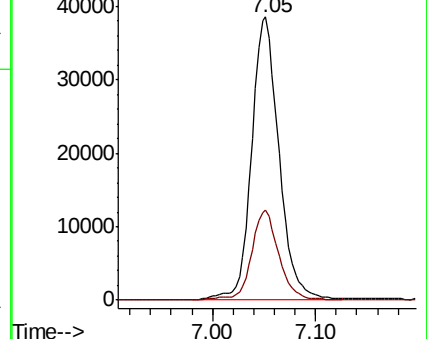
75 100

77 31.6 22.3 41.5



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: 56.498 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

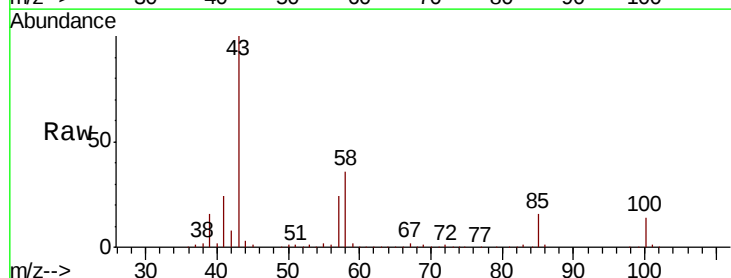
Tgt Ion: 43 Resp: 361064

Ion Ratio Lower Upper

43 100

58 36.4 29.2 43.8

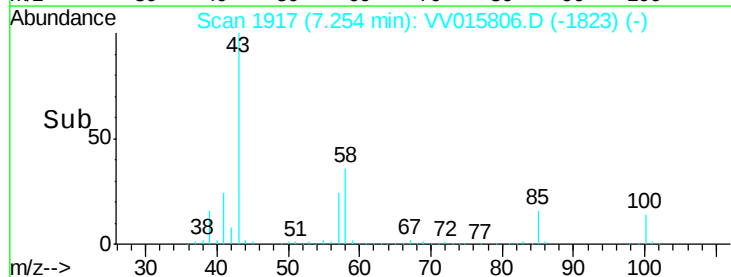
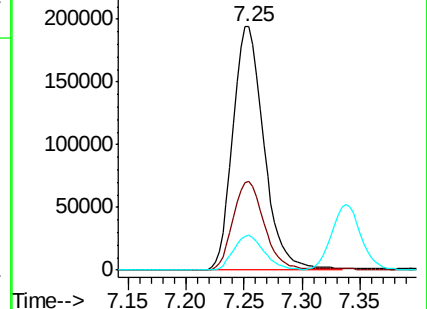
100 14.1 11.4 17.2

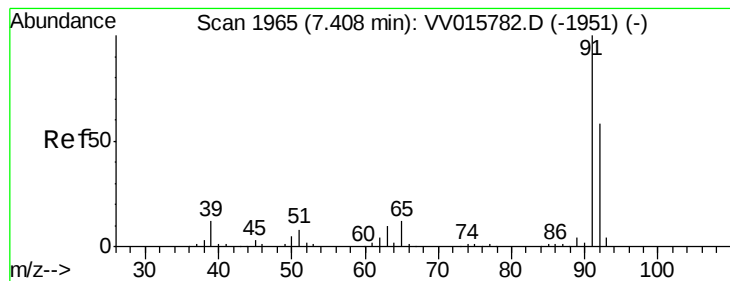


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.383 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

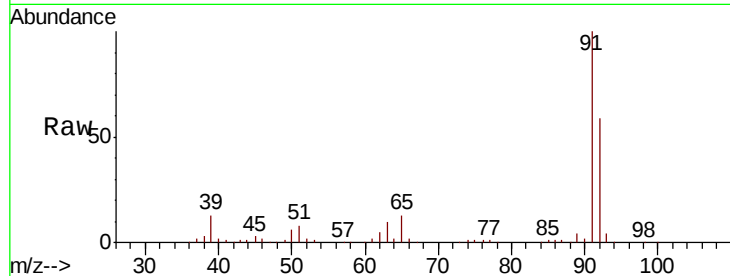
VSTD00548

Tot Ion: 91 Resp: 222814

Ion Ratio Lower Upper

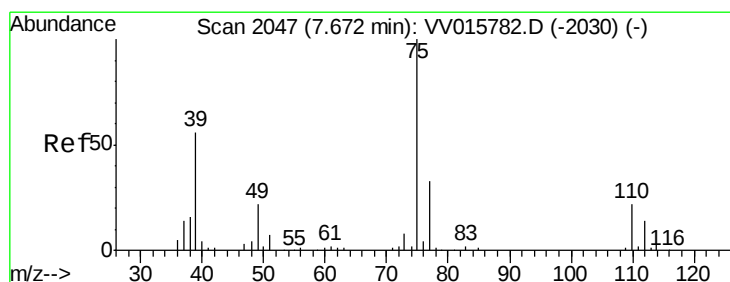
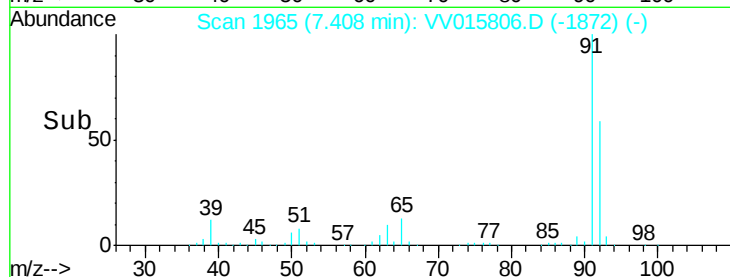
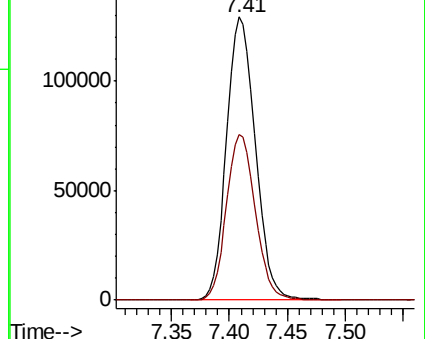
91 100

92 58.6 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015782.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015806.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.250 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015806.D

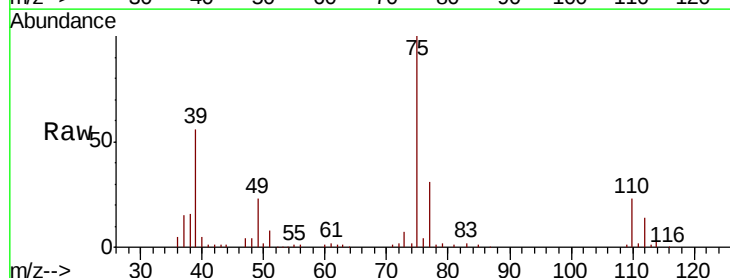
Acq: 29 Apr 2020 20:34

Tgt Ion: 75 Resp: 60554

Ion Ratio Lower Upper

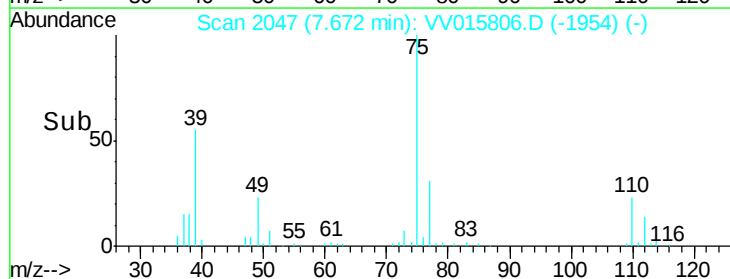
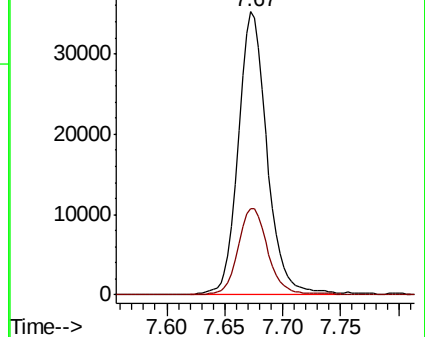
75 100

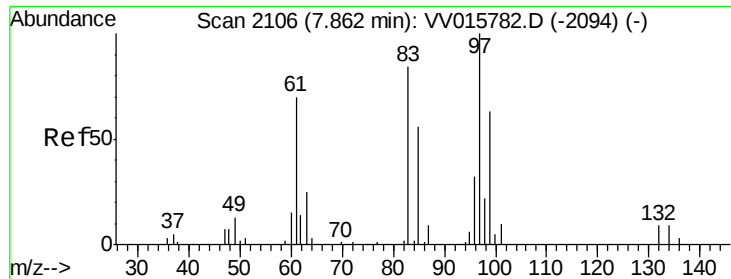
77 30.6 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015782.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015806.D (-1954) (-)

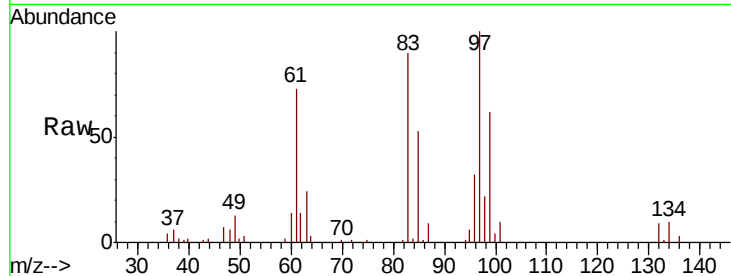




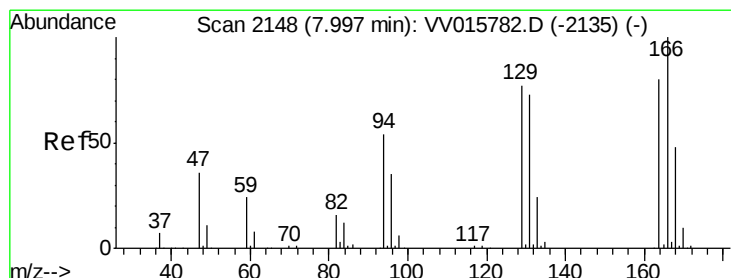
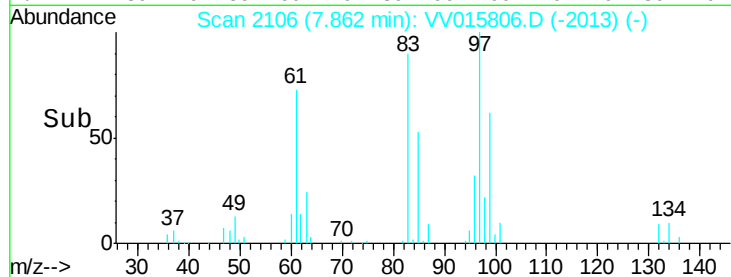
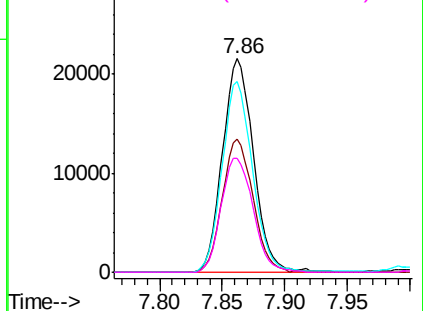
#45
 1,1,2-Trichloroethane
 Concen: 5.509 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tot Ion:	97	Resp:	36976
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.4	84.4
83	89.6	61.3	113.9
85	53.1	38.4	71.4

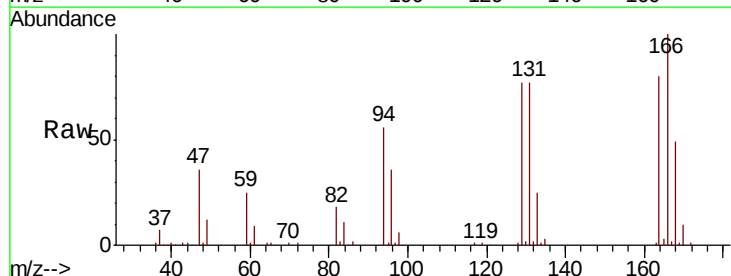


Abundance Ion 96.95 (96.65 to 97.65): VV015806.D (-2013) (-)

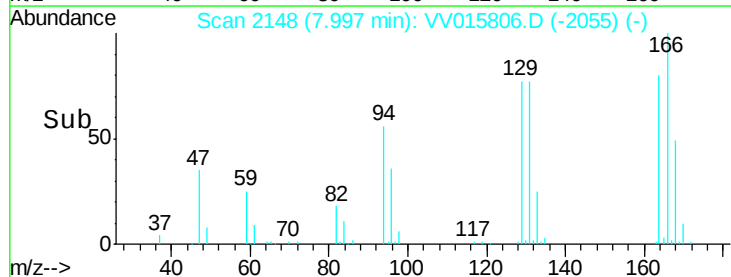
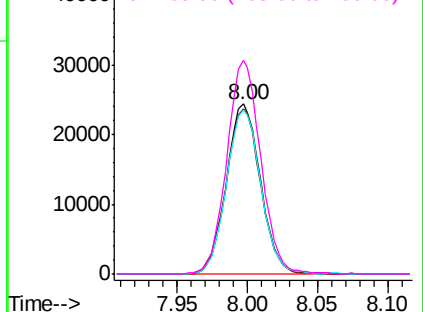


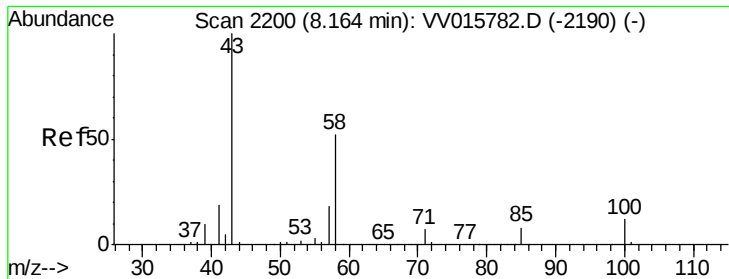
#47
 Tetrachloroethene
 Concen: 5.345 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion:	164	Resp:	41172
Ion	Ratio	Lower	Upper
164	100		
129	97.2	66.7	123.9
131	96.2	66.6	123.6
166	125.5	85.3	158.5



Abundance Ion 163.90 (163.60 to 164.60): VV015806.D (-2055) (-)

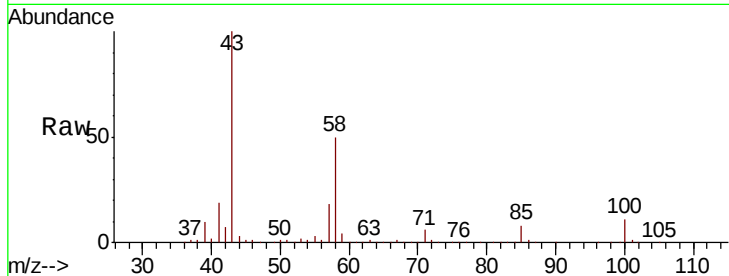




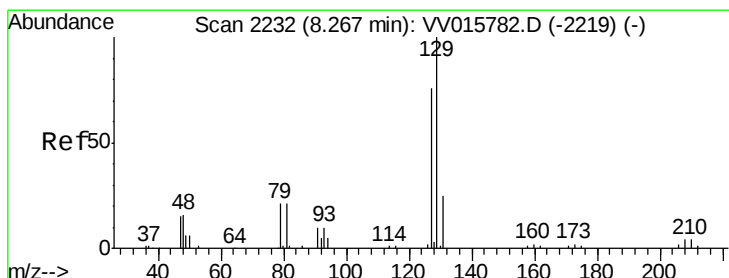
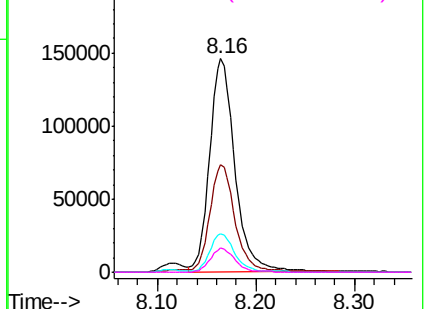
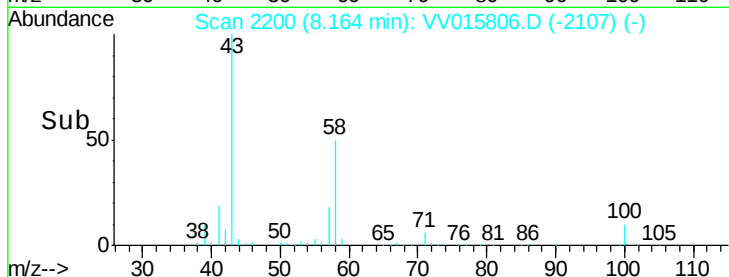
#48
2-Hexanone
Concen: 57.057 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015806.D
Acq: 29 Apr 2020 20:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Tot Ion: 43 Resp: 260030
Ion Ratio Lower Upper
43 100
58 50.6 41.1 61.7
57 17.8 15.0 22.4
100 11.3 9.0 13.4

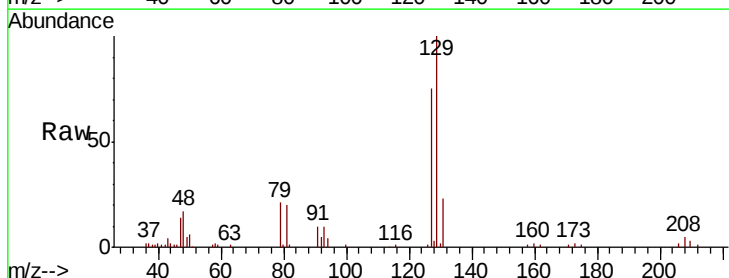


Abundance Ion 43.05 (42.75 to 43.75): VV015806.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015806.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015806.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015806.D (-2107) (-)

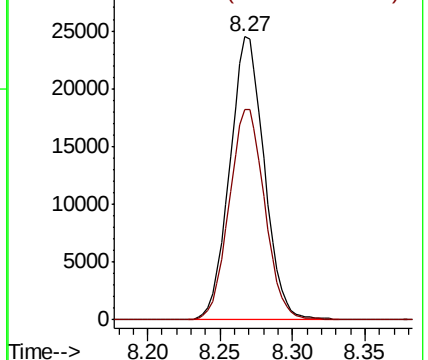
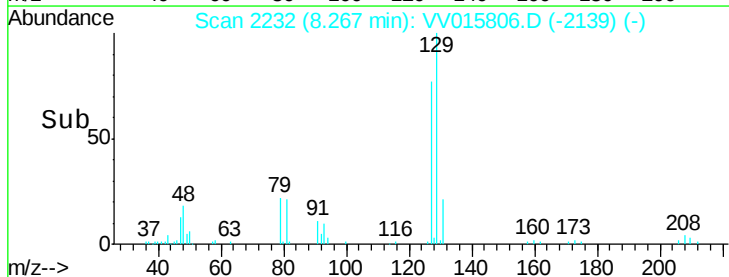


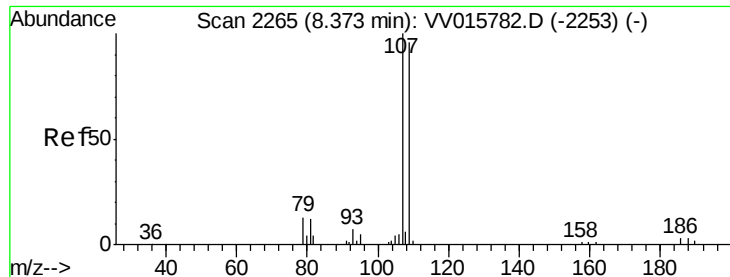
#49
Dibromochloromethane
Concen: 5.829 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015806.D
Acq: 29 Apr 2020 20:34

Tgt Ion: 129 Resp: 40491
Ion Ratio Lower Upper
129 100
127 74.5 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015806.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015806.D (-2139) (-)

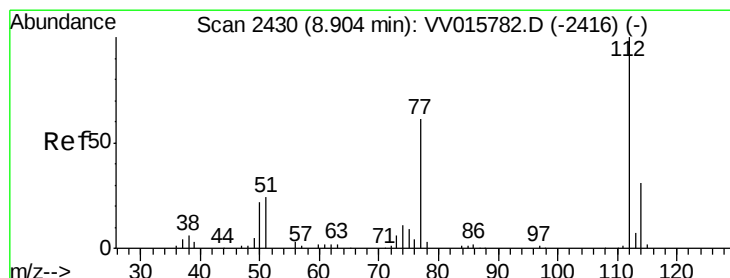
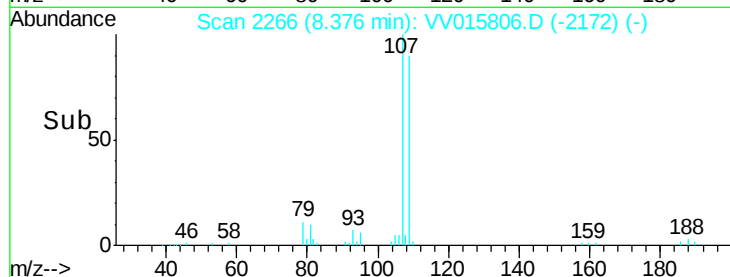
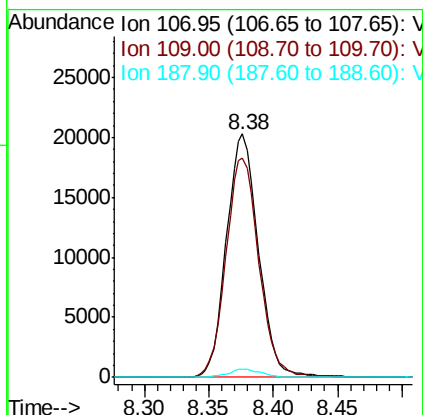
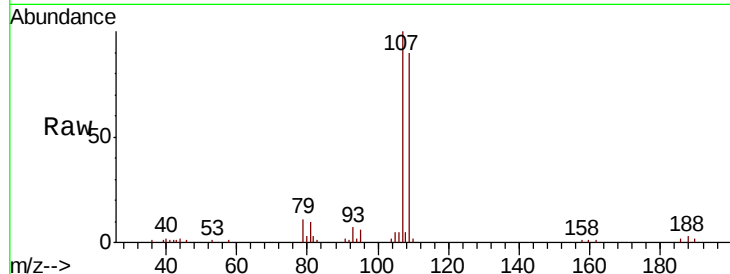




#50
 1,2-Dibromoethane
 Concen: 5.624 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

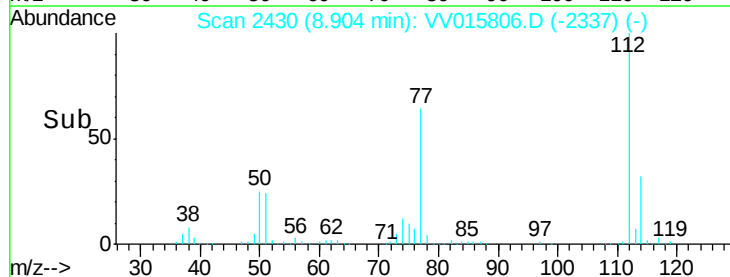
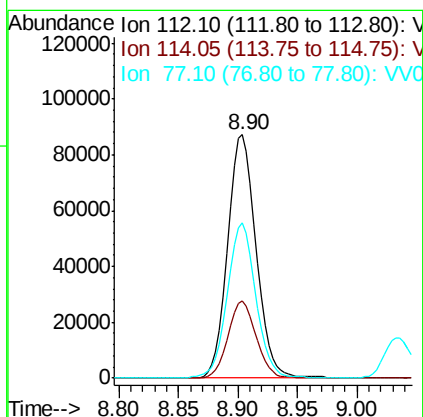
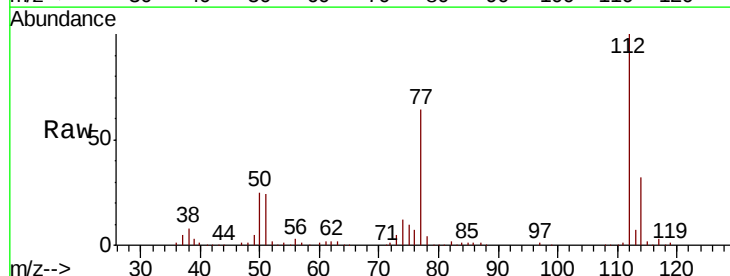
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

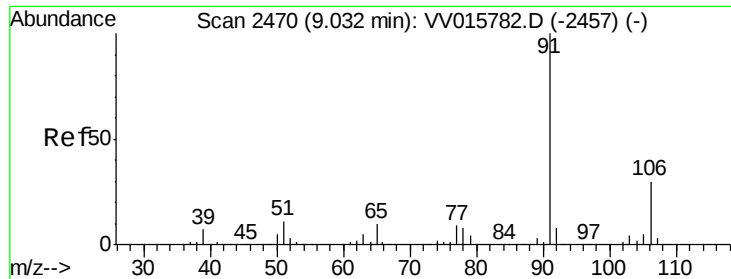
Tot Ion:107 Resp: 34907
 Ion Ratio Lower Upper
 107 100
 109 90.2 68.1 126.5
 188 3.3 3.2 4.8



#51
 Chlorobenzene
 Concen: 5.334 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion:112 Resp: 144628
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.6 40.2
 77 63.5 48.9 73.3





#52

Ethylbenzene

Concen: 5.378 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

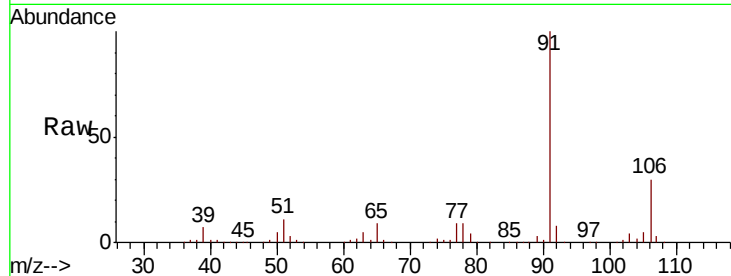
VSTD00548

Tot Ion: 91 Resp: 257635

Ion Ratio Lower Upper

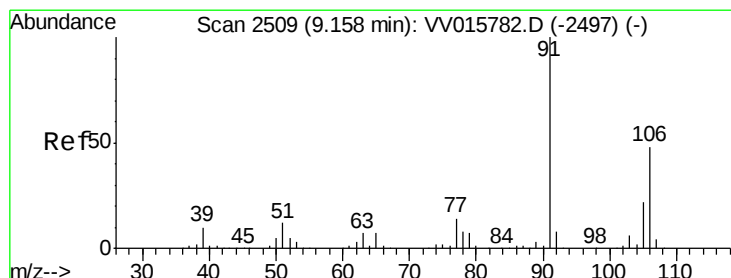
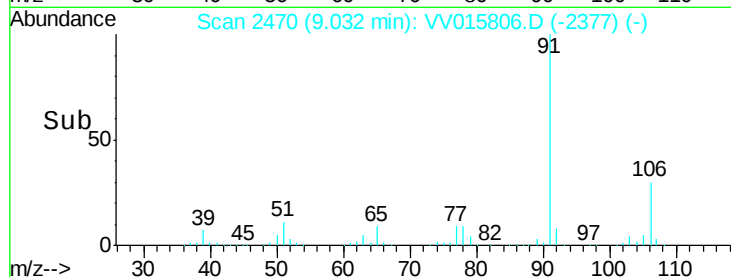
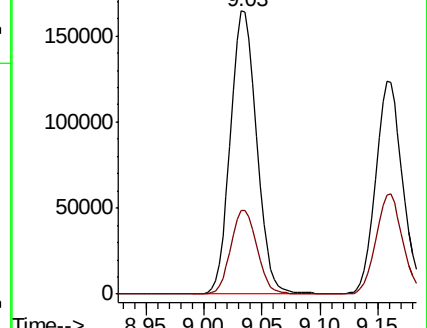
91 100

106 29.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015806.D (-2377) (-)

Ion 106.15 (105.85 to 106.85): VV015806.D (-2377) (-)



#53

m,p-xylene

Concen: 5.388 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015806.D

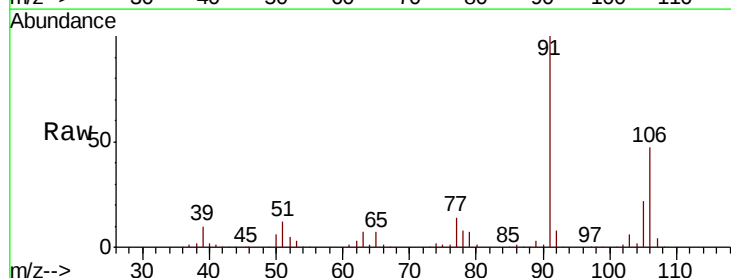
Acq: 29 Apr 2020 20:34

Tgt Ion: 106 Resp: 94545

Ion Ratio Lower Upper

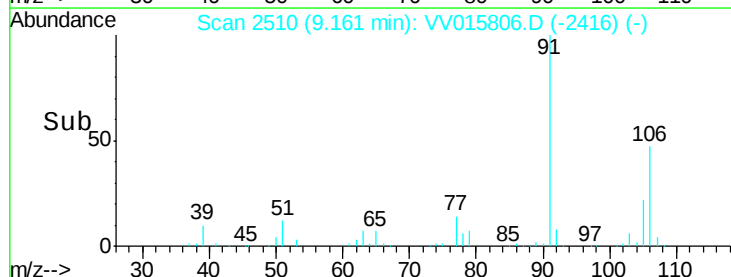
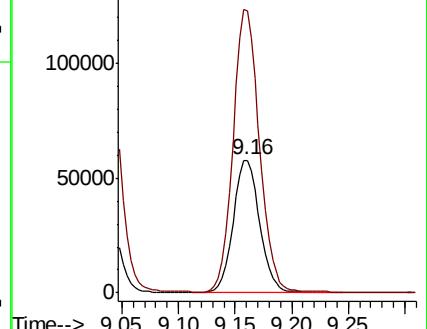
106 100

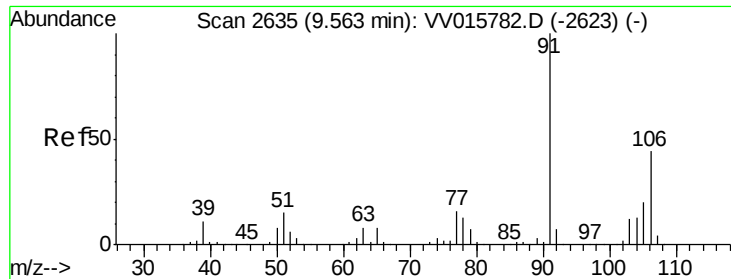
91 212.0 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015806.D (-2416) (-)

Ion 91.15 (90.85 to 91.85): VV015806.D (-2416) (-)





#54

o-xylene

Concen: 5.430 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

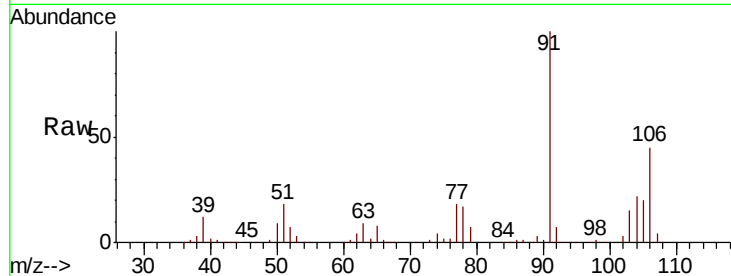
VSTD00548

Tot Ion:106 Resp: 92185

Ion Ratio Lower Upper

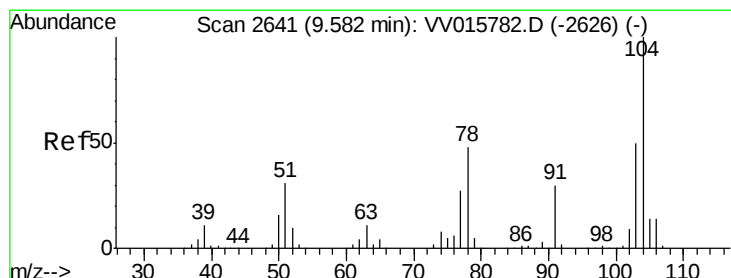
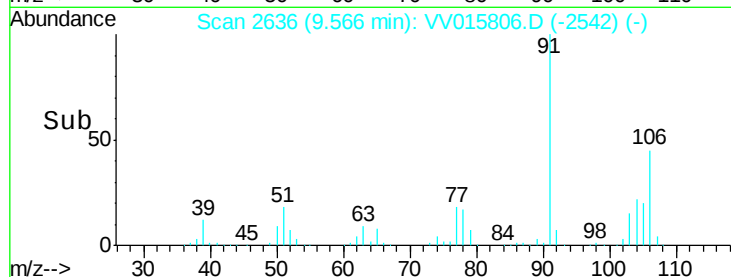
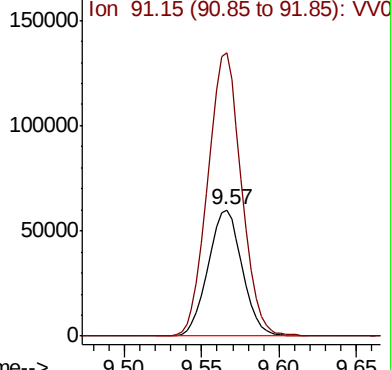
106 100

91 224.2 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.538 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015806.D

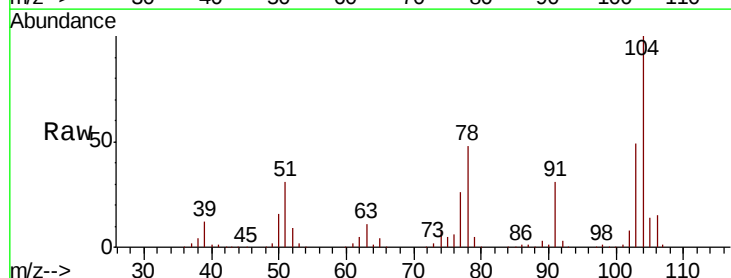
Acq: 29 Apr 2020 20:34

Tgt Ion:104 Resp: 159536

Ion Ratio Lower Upper

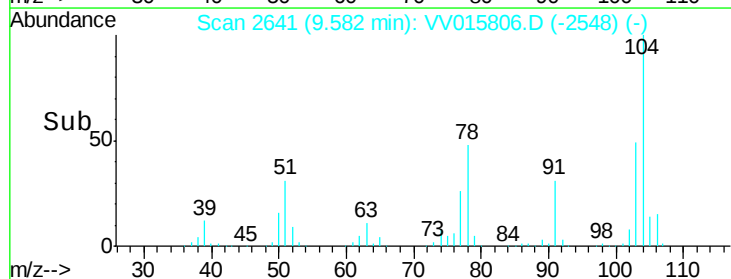
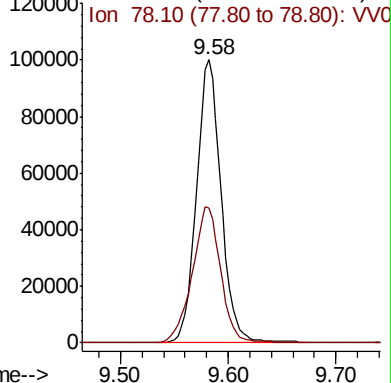
104 100

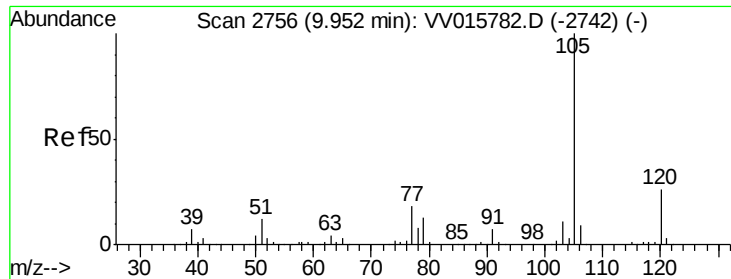
78 47.8 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.346 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleID :

VSTD00548

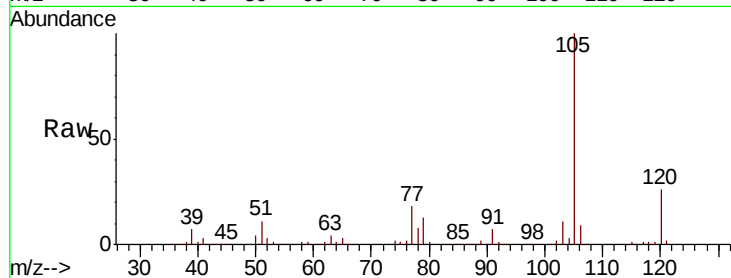
Tot Ion:105 Resp: 254620

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

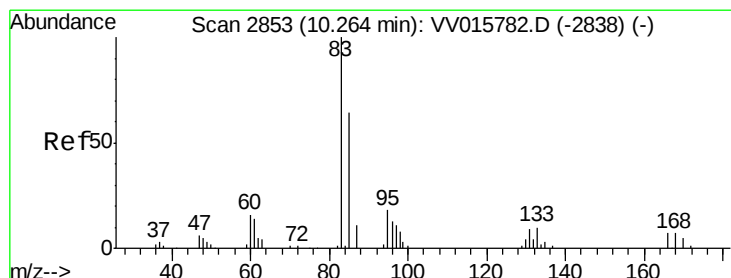
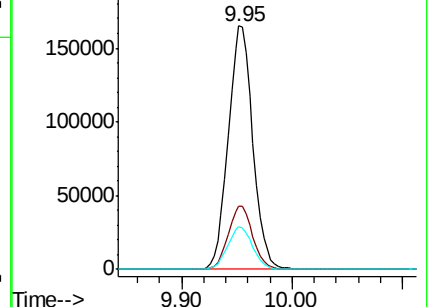
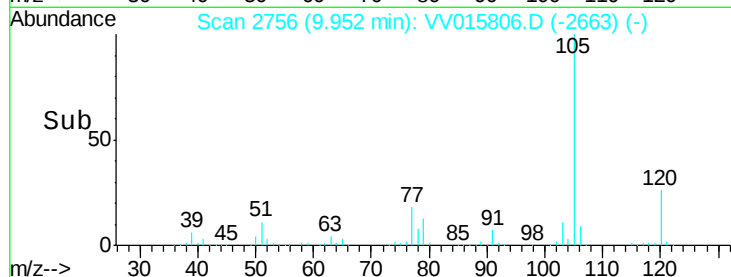
77 17.8 13.9 20.9



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: 5.632 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

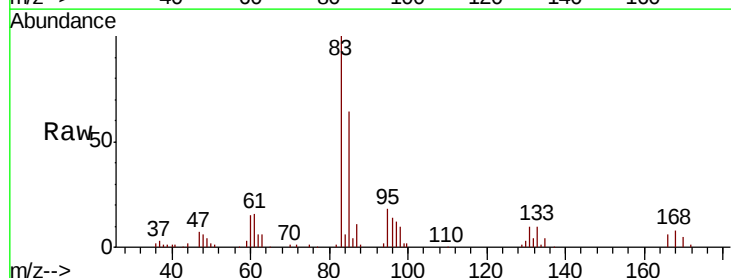
Tgt Ion: 83 Resp: 44135

Ion Ratio Lower Upper

83 100

85 64.1 46.3 85.9

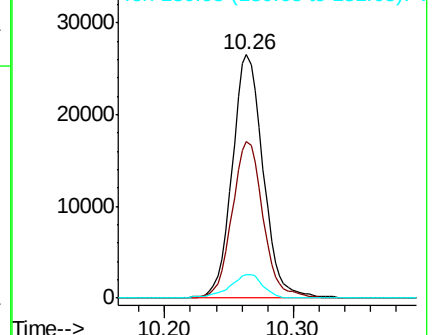
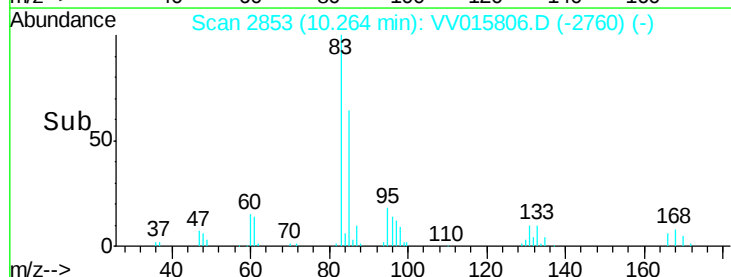
131 9.7 7.7 11.5

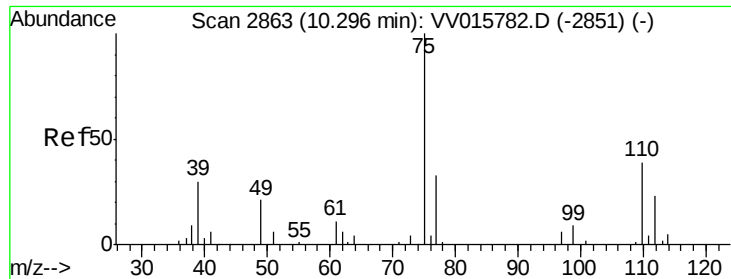


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

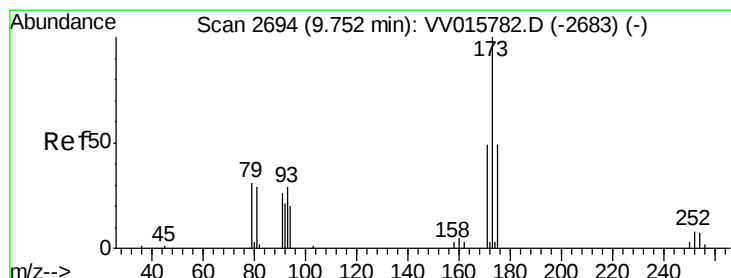
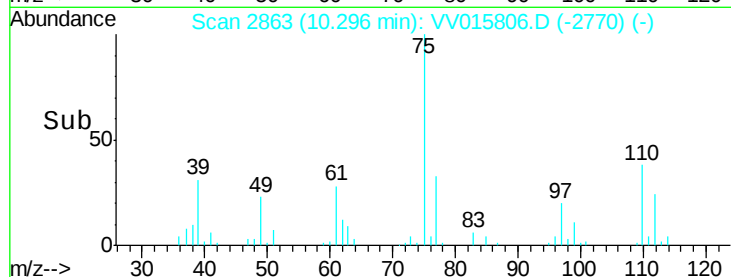
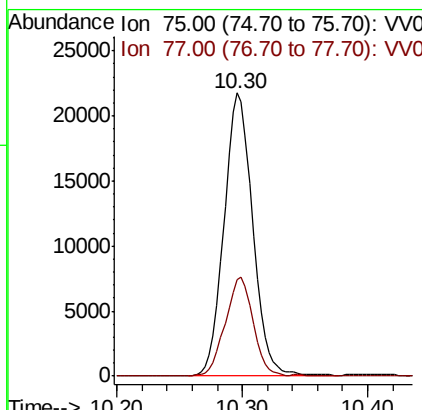
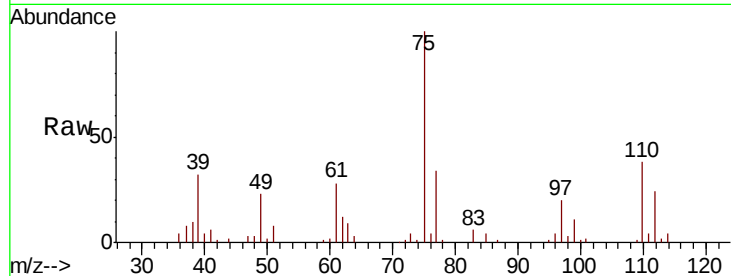




#59
 1,2,3-Trichloropropane
 Concen: 5.498 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

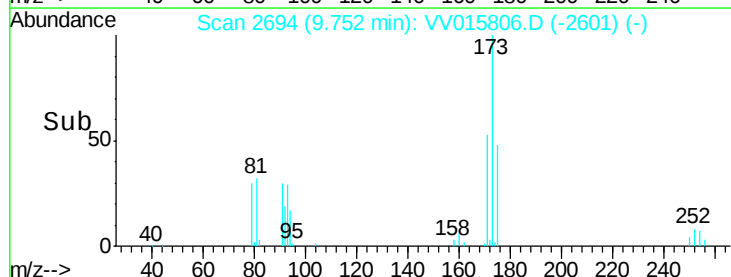
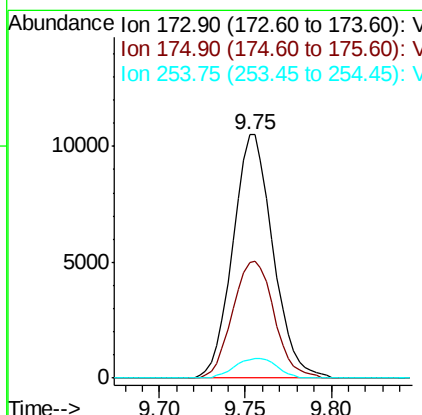
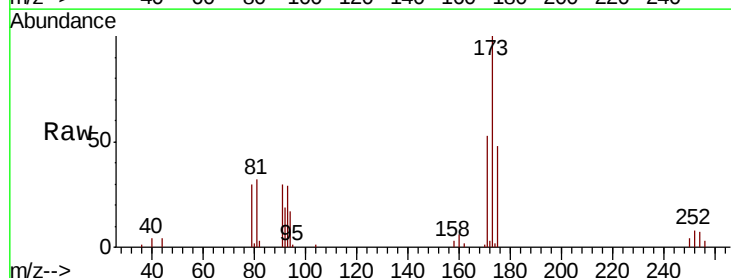
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

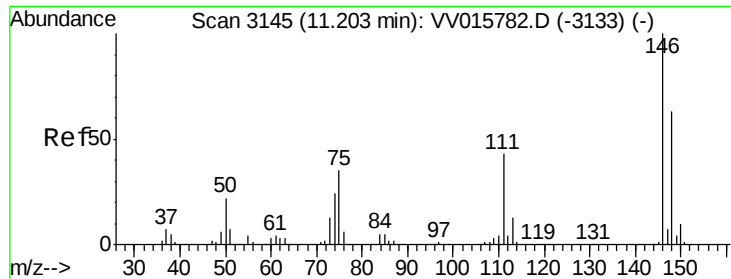
Tot Ion: 75 Resp: 34565
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.0 39.0



#61
 Bromoform
 Concen: 5.993 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion: 173 Resp: 17083
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.8 59.8
 254 8.4 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.327 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

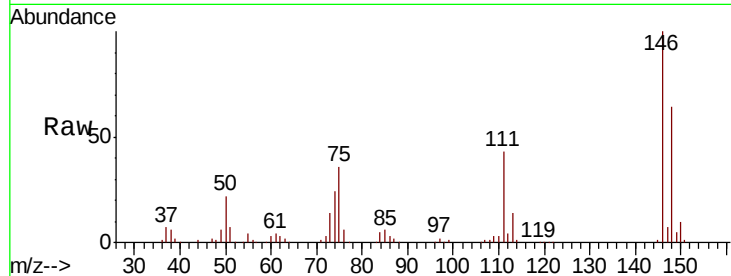
Tot Ion:146 Resp: 116433

Ion Ratio Lower Upper

146 100

111 42.9 30.0 55.6

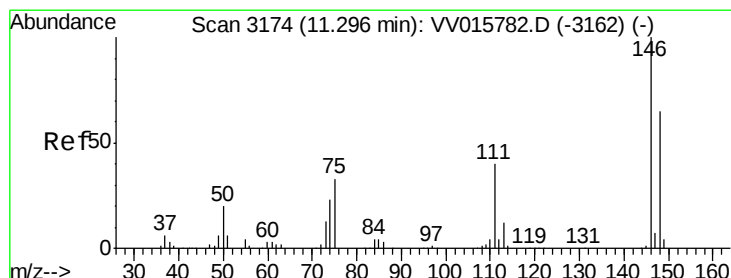
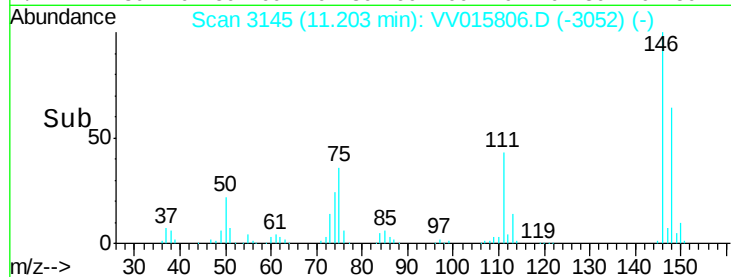
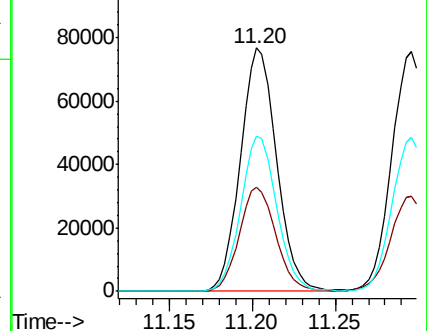
148 63.9 44.2 82.2



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: 5.302 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

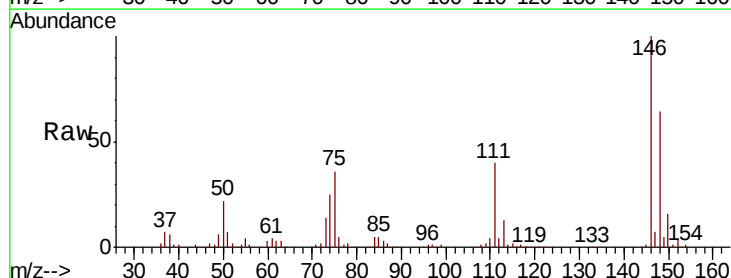
Tgt Ion:146 Resp: 116869

Ion Ratio Lower Upper

146 100

111 39.5 28.2 52.4

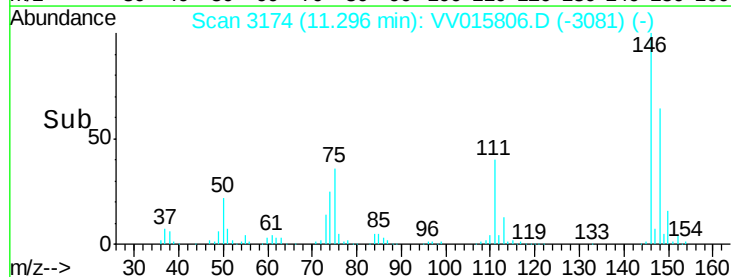
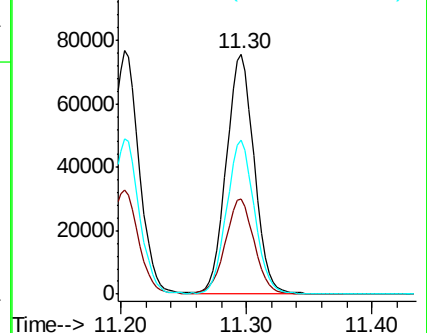
148 64.0 45.7 84.9

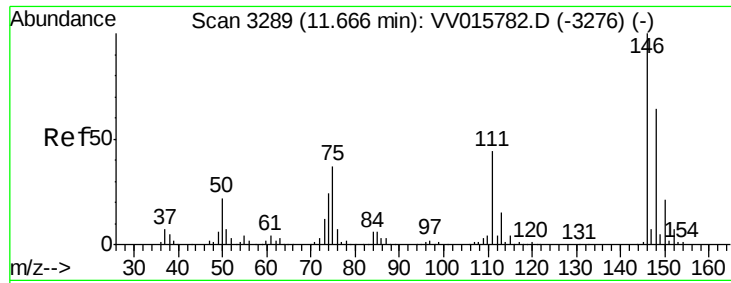


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.398 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

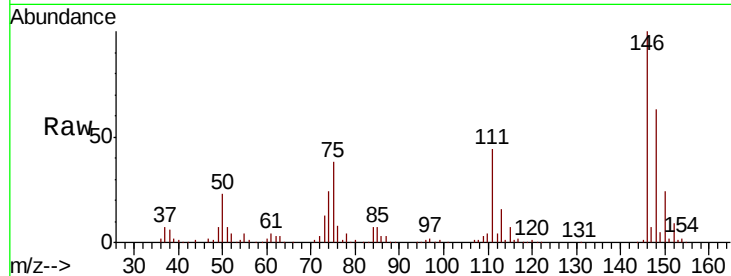
Tot Ion:146 Resp: 106703

Ion Ratio Lower Upper

146 100

111 44.4 34.7 52.1

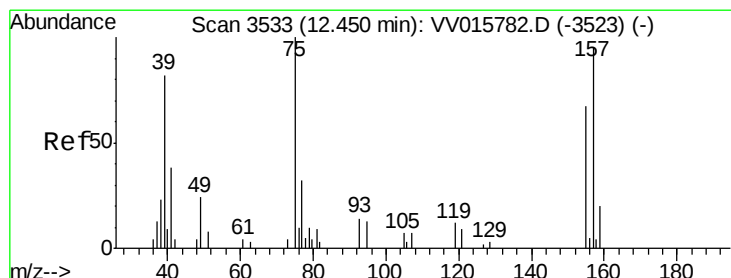
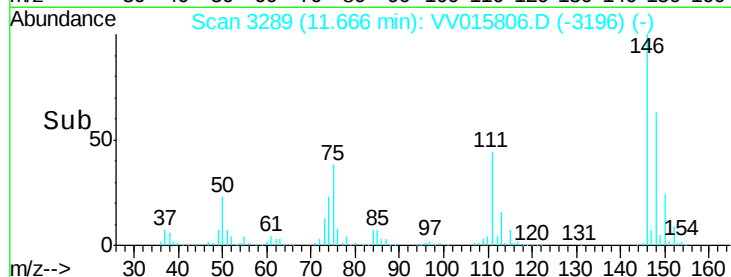
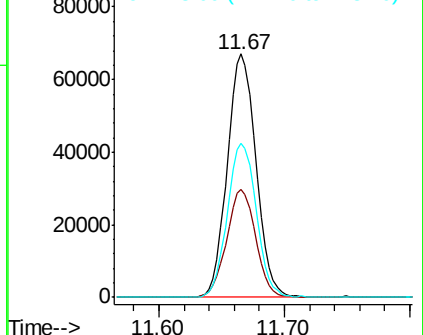
148 63.5 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.320 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

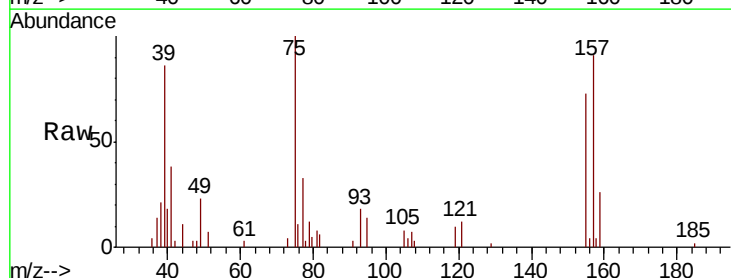
Tgt Ion: 75 Resp: 6851

Ion Ratio Lower Upper

75 100

155 73.5 51.0 76.4

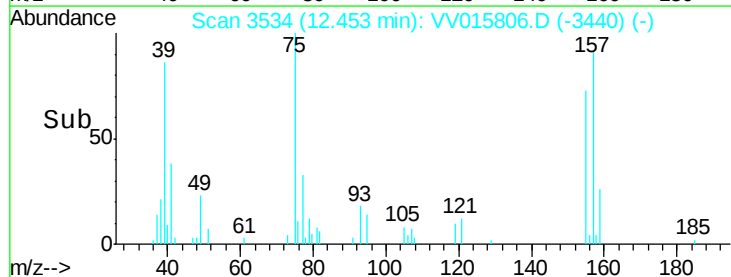
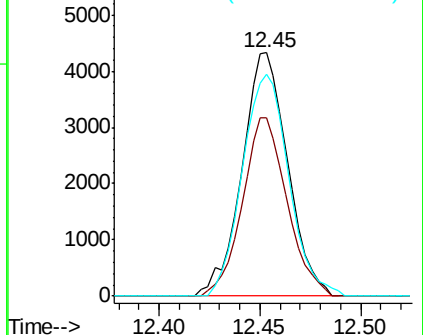
157 90.9 70.6 106.0

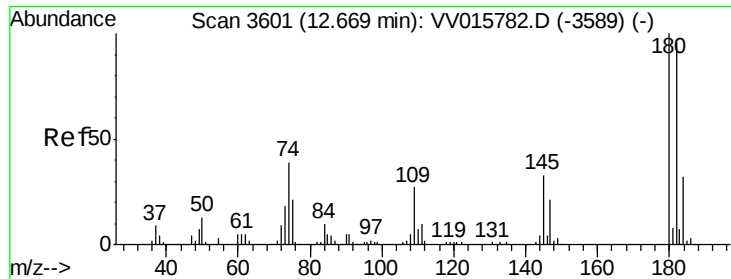


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

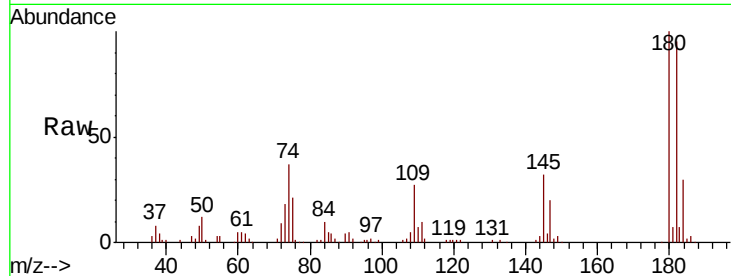




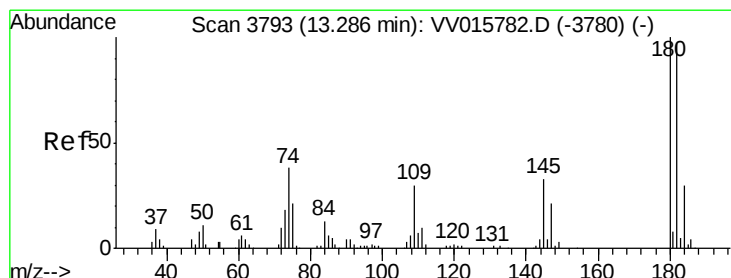
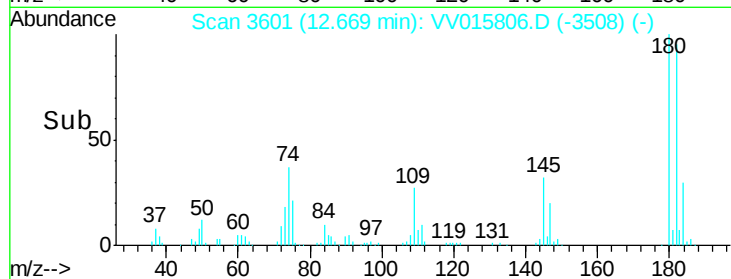
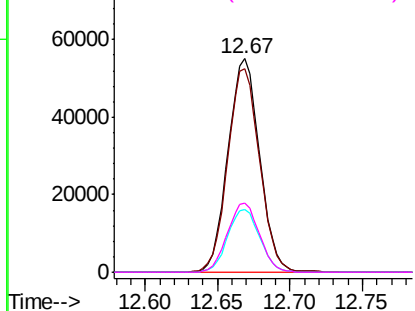
#67
 1,3,5-Trichlorobenzene
 Concen: 5.158 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tot Ion:180 Resp: 83304
 Ion Ratio Lower Upper
 180 100
 182 96.0 78.2 117.4
 184 29.9 25.0 37.4
 145 32.5 26.4 39.6

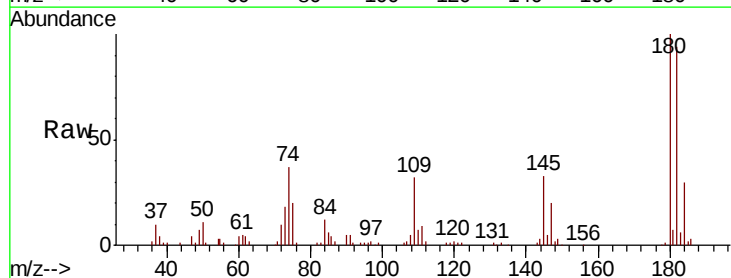


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

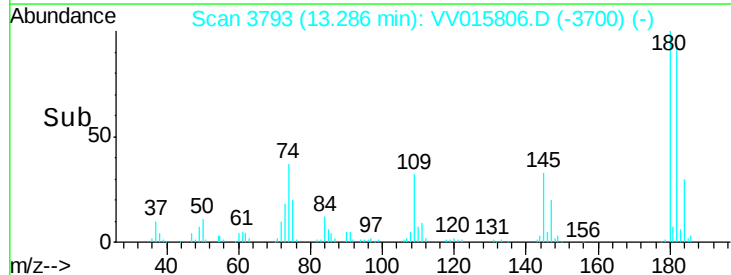
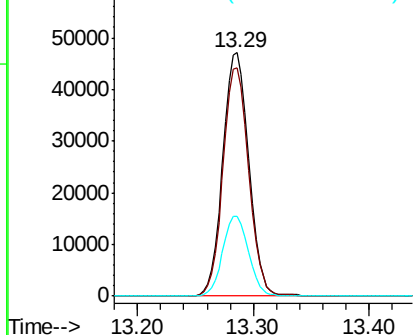


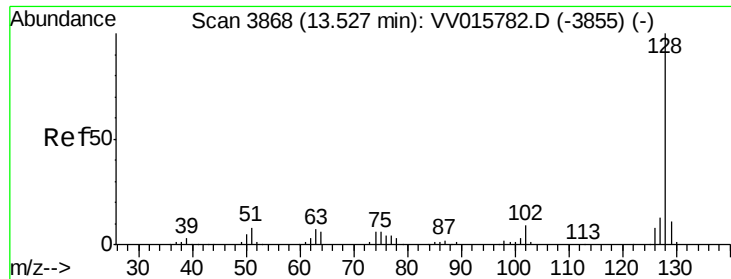
#68
 1,2,4-trichlorobenzene
 Concen: 4.924 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015806.D
 Acq: 29 Apr 2020 20:34

Tgt Ion:180 Resp: 73193
 Ion Ratio Lower Upper
 180 100
 182 92.7 74.8 112.2
 145 32.6 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.718 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

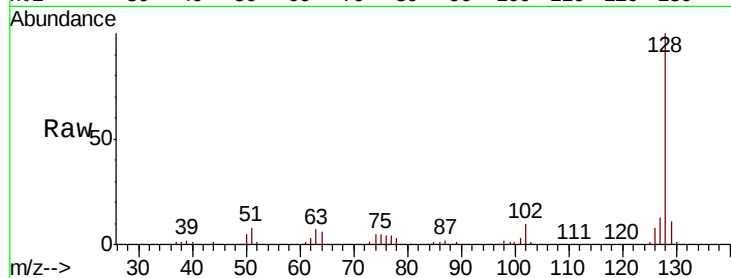
Tot Ion:128 Resp: 125507

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

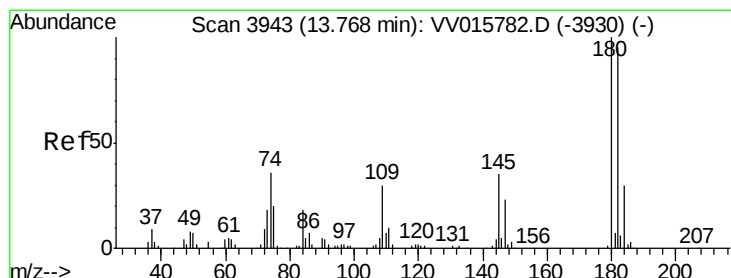
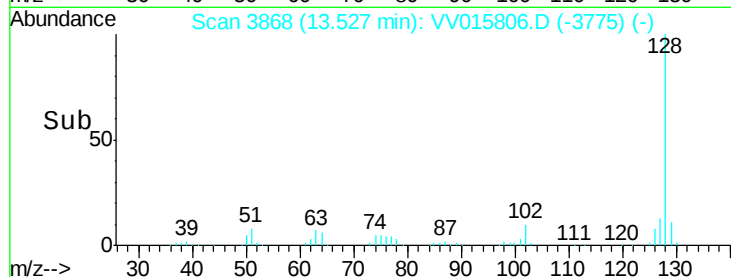
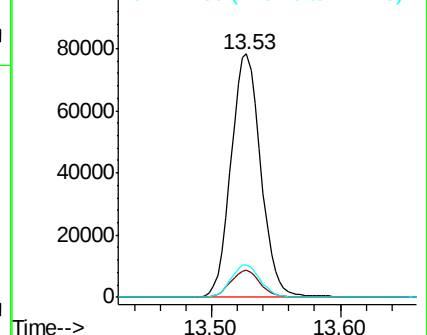
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.003 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015806.D

Acq: 29 Apr 2020 20:34

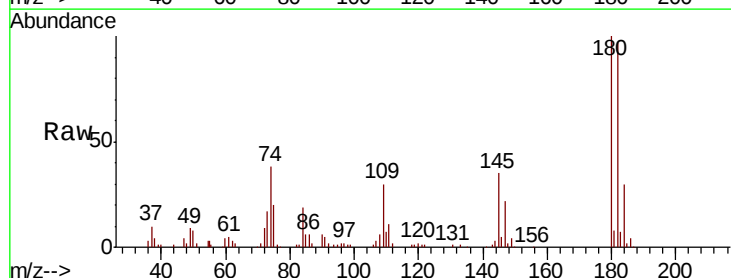
Tgt Ion:180 Resp: 65635

Ion Ratio Lower Upper

180 100

182 96.5 74.8 112.2

145 35.3 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

