

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
 Data File : VV017499.D
 Acq On : 15 Jul 2020 09:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Quant Time: Jul 16 01:22:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 13:09:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	150817	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	144553	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41504	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	33131	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	92076	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	3.95	46	92999	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	4.37	84	95701	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	53304	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.07	84	166960	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.09	67	44588	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.33	98	162266	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
45) trans-1,3-Dichloropropene-	7.64	79	22377	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
48) 2-Hexanone-d5	8.11	63	72416	53.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33856	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	67470	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	91928	5.165	ug/L	97
3) Chloromethane	1.25	50	59810	4.916	ug/L	95
5) Vinyl chloride	1.32	62	62740	5.154	ug/L	97
6) Bromomethane	1.53	94	37170	5.059	ug/L	93
8) Chloroethane	1.60	64	36361	5.166	ug/L	98
9) Trichlorofluoromethane	1.76	101	115810	5.203	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	54051	5.280	ug/L	98
12) 1,1-Dichloroethene	2.13	96	47999	5.290	ug/L	84
13) Acetone	2.24	43	72798	55.703	ug/L	92
14) Carbon disulfide	2.31	76	143459	5.107	ug/L	100
15) Methyl Acetate	2.46	43	15202	6.022	ug/L	99
16) Methylene chloride	2.52	84	46727	4.276	ug/L	97
17) Methyl tert-butyl Ether	2.79	73	118204	5.243	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	49091	5.045	ug/L	92
19) 1,1-Dichloroethane	3.21	63	97506	5.185	ug/L	98
21) 2-Butanone	4.03	43	102560	50.770	ug/L #	78
22) cis-1,2-Dichloroethene	3.93	96	53667	5.088	ug/L	100

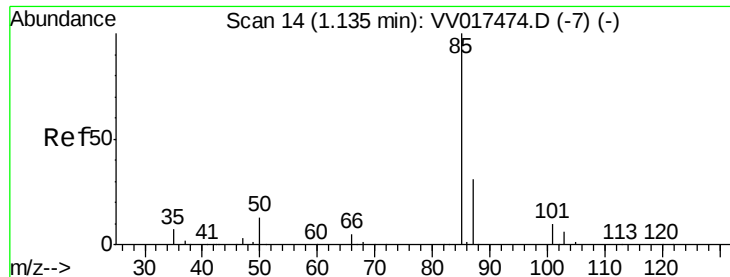
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 13:09:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	24628	5.185	ug/L	94
25) Chloroform	4.40	83	108224	5.334	ug/L	99
27) 1,2-Dichloroethane	5.15	62	69089	5.205	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	104463	5.111	ug/L	98
30) Cyclohexane	4.69	56	77145	4.958	ug/L	99
31) Carbon tetrachloride	4.85	117	97854	5.176	ug/L	97
33) Benzene	5.12	78	198000	5.148	ug/L	100
34) Trichloroethene	5.93	95	59291	5.049	ug/L	96
35) Methylcyclohexane	6.15	83	88512	5.122	ug/L	97
37) 1,2-Dichloropropane	6.20	63	46185	5.186	ug/L	99
38) Bromodichloromethane	6.53	83	71473	5.182	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	73624	5.140	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	255259	54.239	ug/L	98
42) Toluene	7.41	91	222666	5.243	ug/L	96
43) 1,3,5-Trimethylbenzene	10.56	105	223351	5.298	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	232907	5.547	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	67680	5.369	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	34401	5.171	ug/L	92
49) Tetrachloroethene	7.99	164	53663	5.370	ug/L	99
50) 2-Hexanone	8.16	43	184955	53.492	ug/L	99
51) Dibromochloromethane	8.27	129	48129	5.250	ug/L	92
52) 1,2-Dibromoethane	8.37	107	33944	5.208	ug/L #	100
53) Chlorobenzene	8.90	112	151072	5.310	ug/L	100
54) Ethylbenzene	9.03	91	253623	5.218	ug/L	99
55) m,p-xylene	9.16	106	99217	5.398	ug/L	99
56) o-xylene	9.56	106	93955	5.284	ug/L	97
57) Styrene	9.58	104	162612	5.434	ug/L	99
58) Isopropylbenzene	9.95	105	266136	5.287	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	35716	5.316	ug/L	95
62) Bromoform	9.75	173	27182	5.195	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	132770	5.250	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	132760	5.289	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	117633	5.133	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	6853	4.853	ug/L	90
68) 1,3,5-Trichlorobenzene	12.67	180	104605	5.086	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	87222	5.164	ug/L	98
70) Naphthalene	13.53	128	121820	5.125	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	75843	5.206	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.165 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

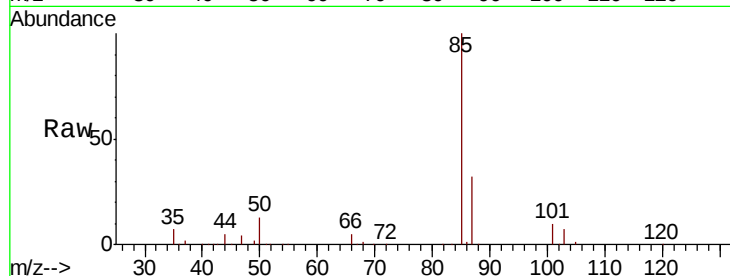
VSTD00552

Tot Ion: 85 Resp: 91928

Ion Ratio Lower Upper

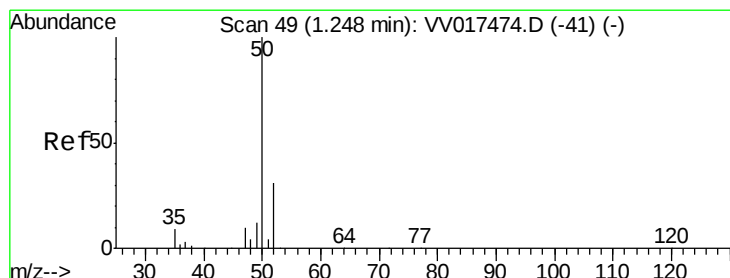
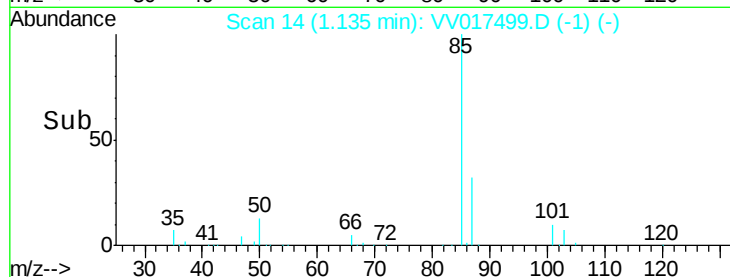
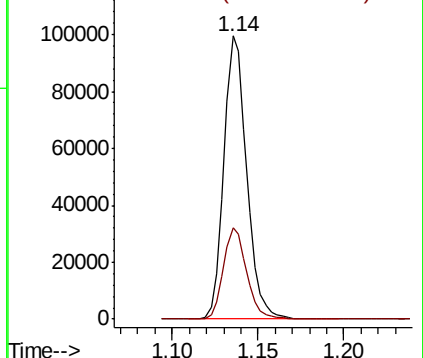
85 100

87 32.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.916 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017499.D

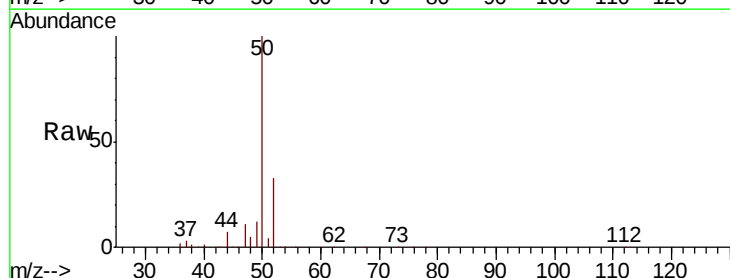
Acq: 15 Jul 2020 09:27

Tgt Ion: 50 Resp: 59810

Ion Ratio Lower Upper

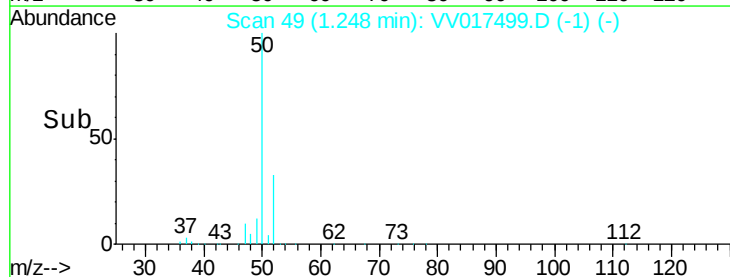
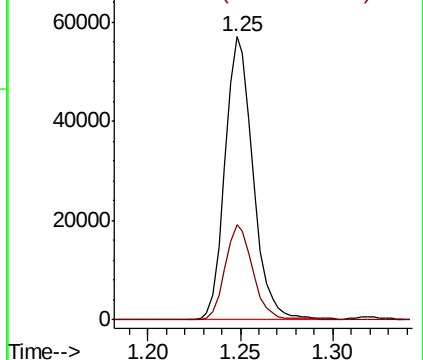
50 100

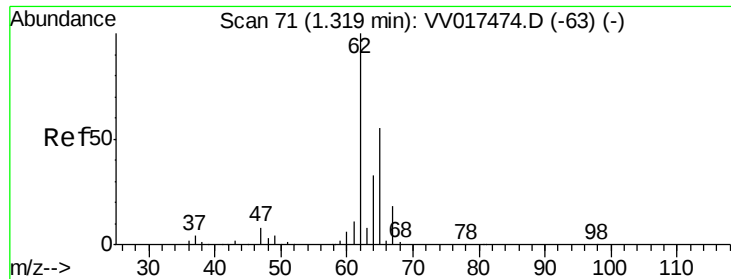
52 33.5 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.154 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

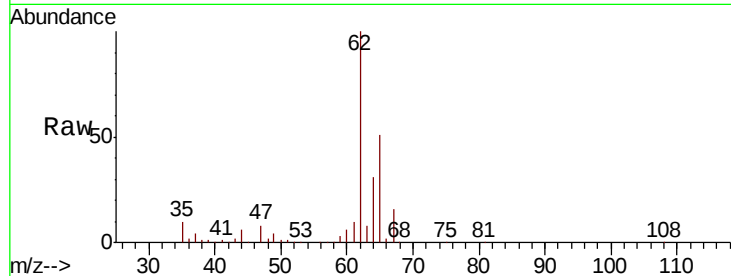
VSTD00552

Tot Ion: 62 Resp: 62740

Ion Ratio Lower Upper

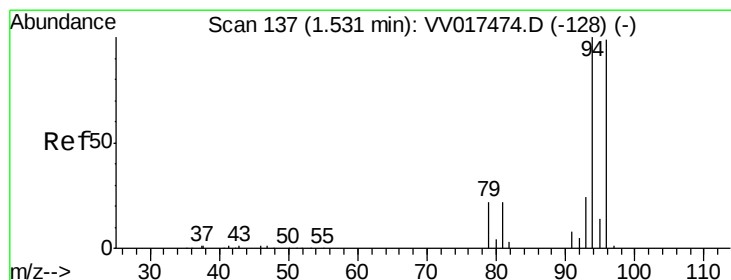
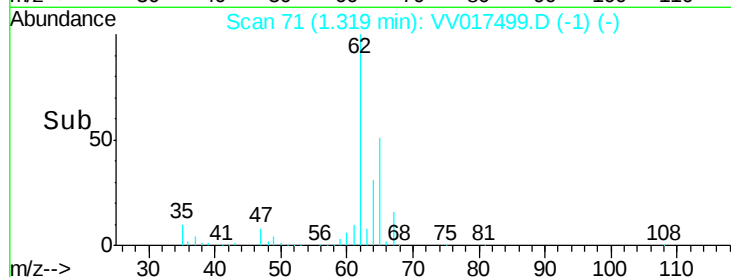
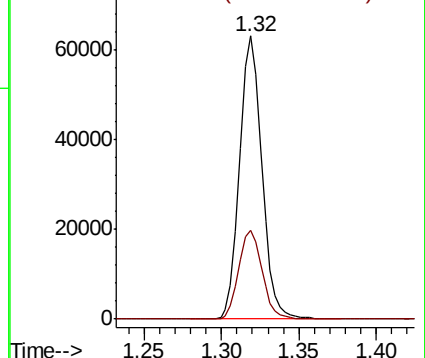
62 100

64 31.5 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.059 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017499.D

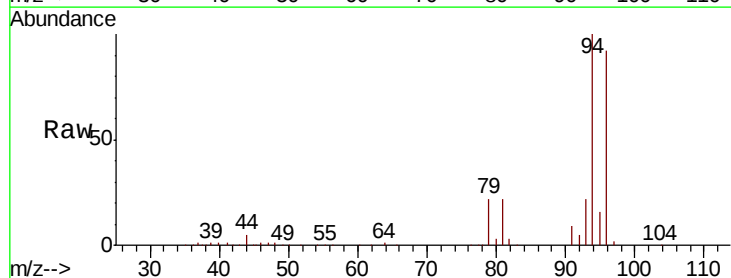
Acq: 15 Jul 2020 09:27

Tgt Ion: 94 Resp: 37170

Ion Ratio Lower Upper

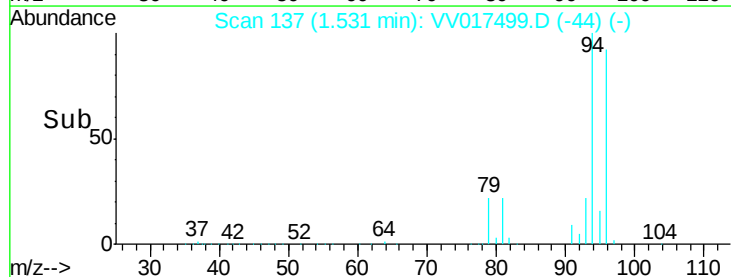
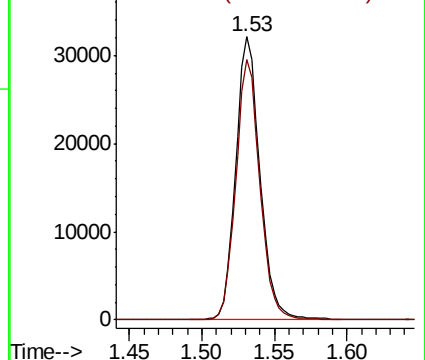
94 100

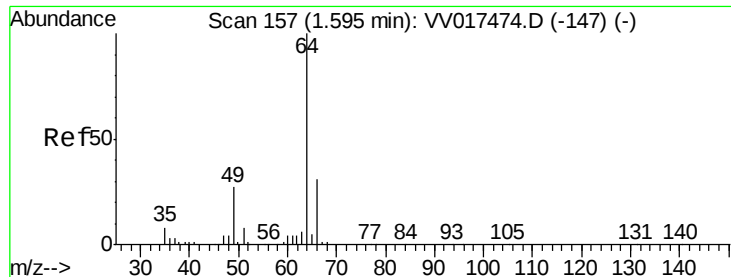
96 91.8 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.166 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

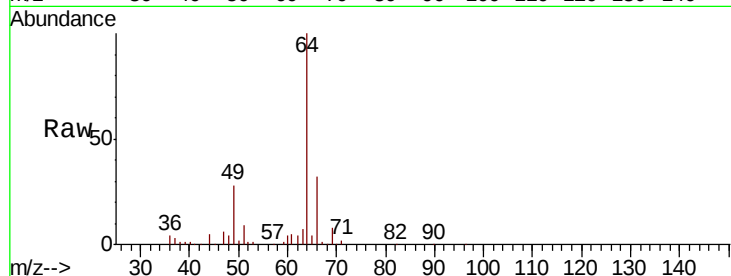
VSTD00552

Tot Ion: 64 Resp: 36361

Ion Ratio Lower Upper

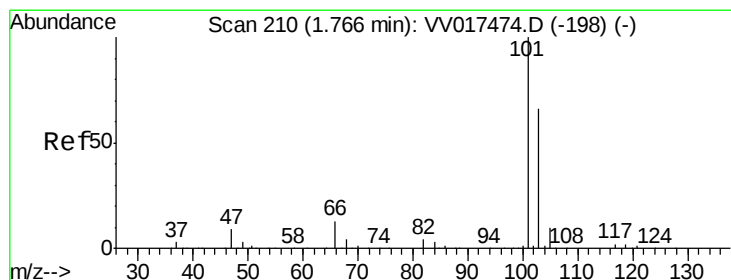
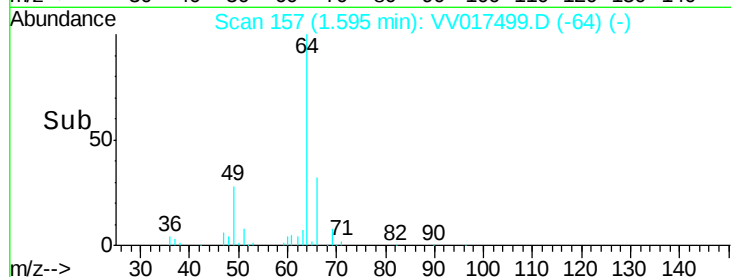
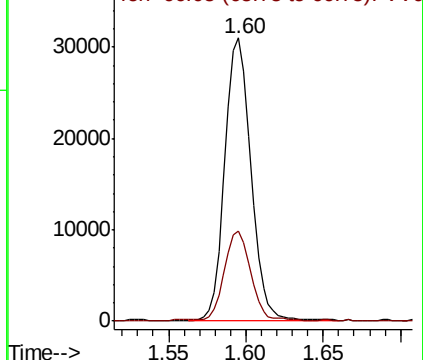
64 100

66 31.9 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VV017474.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV017499.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 5.203 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017499.D

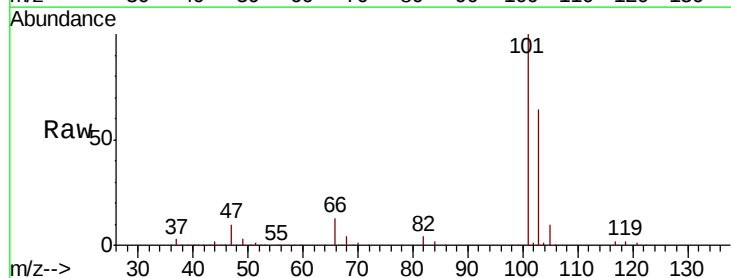
Acq: 15 Jul 2020 09:27

Tgt Ion:101 Resp: 115810

Ion Ratio Lower Upper

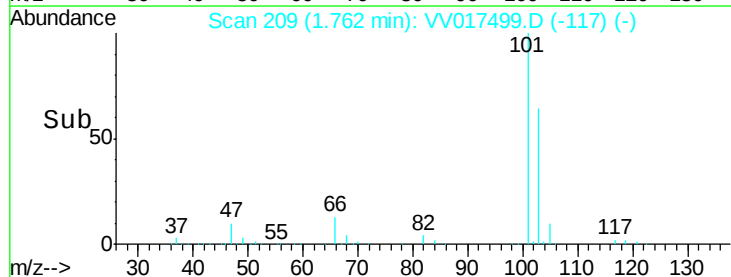
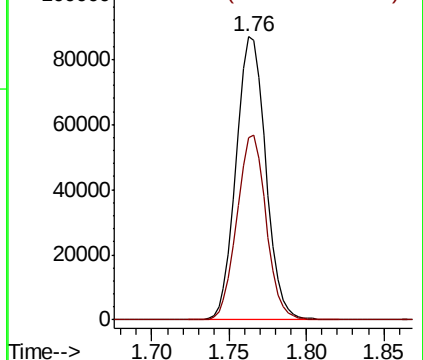
101 100

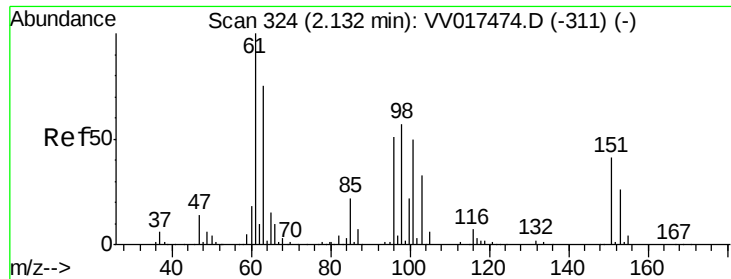
103 64.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV017474.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017499.D (-117) (-)





#10

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

Concen: 5.280 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

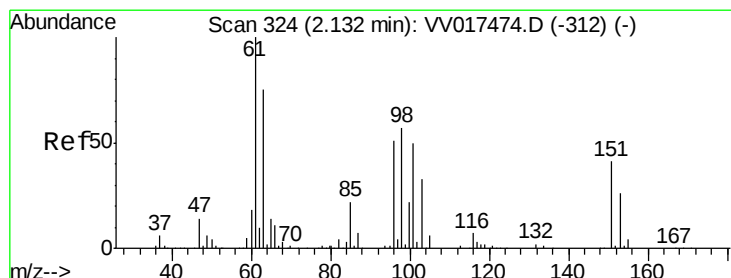
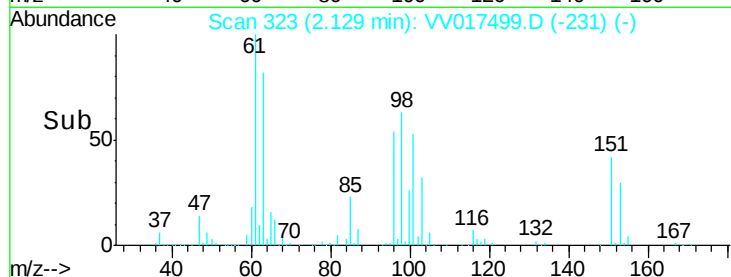
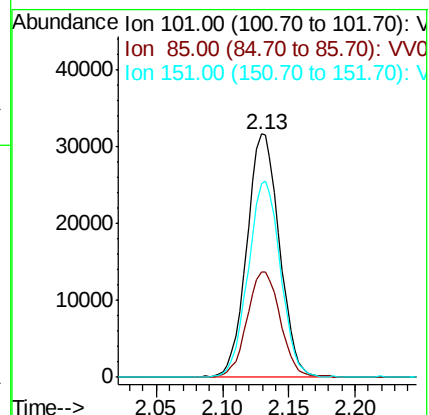
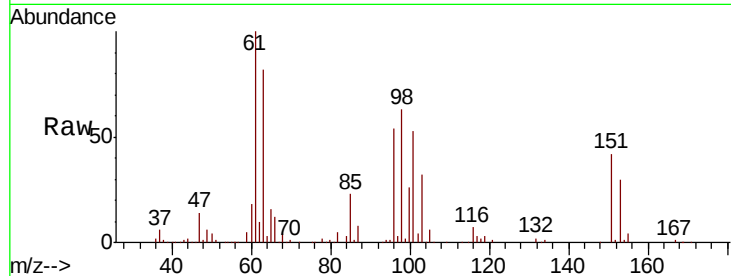
Tot Ion:101 Resp: 54051

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

151 80.1 66.5 99.7



#12

1,1-Dichloroethene

Concen: 5.290 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

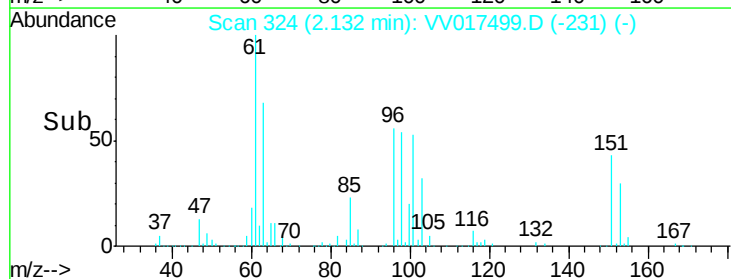
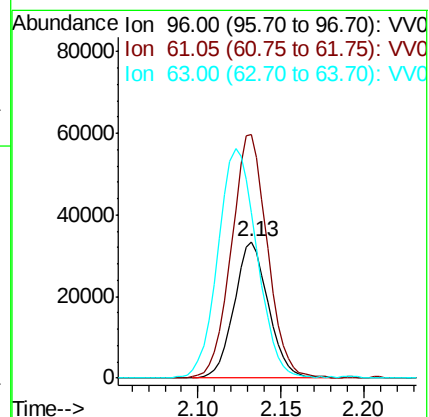
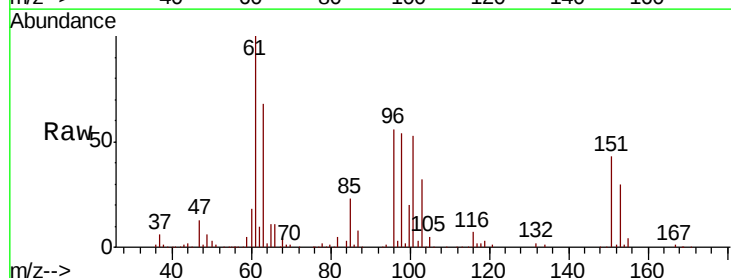
Tgt Ion: 96 Resp: 47999

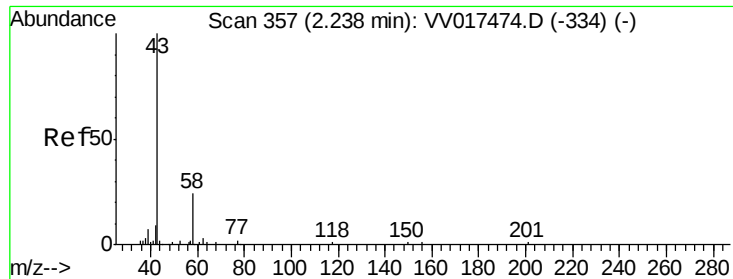
Ion Ratio Lower Upper

96 100

61 178.1 137.2 254.8

63 121.3 103.6 192.4





#13

Acetone

Concen: 55.703 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

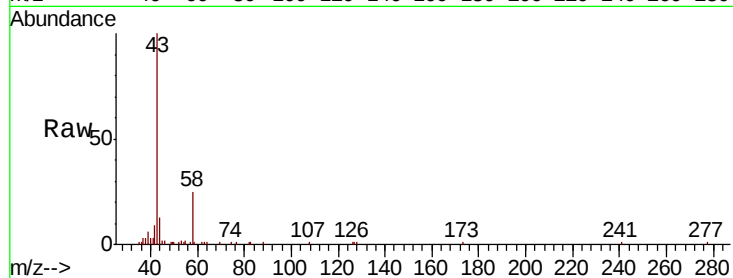
VSTD00552

Tot Ion: 43 Resp: 72798

Ion Ratio Lower Upper

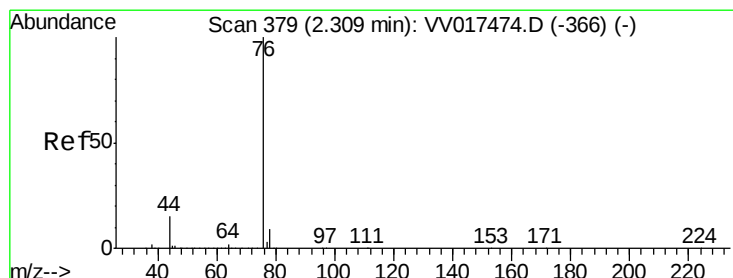
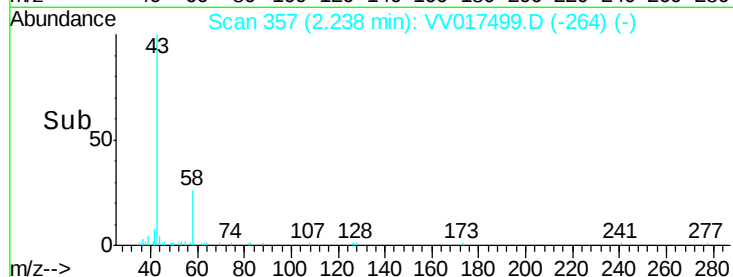
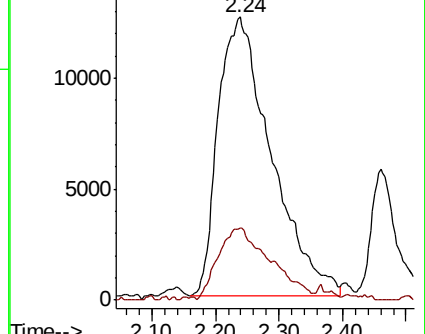
43 100

58 20.3 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.107 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017499.D

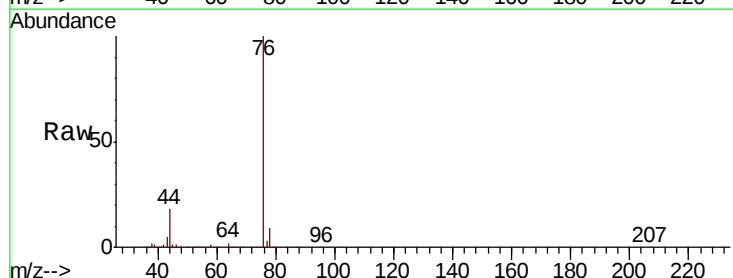
Acq: 15 Jul 2020 09:27

Tgt Ion: 76 Resp: 143459

Ion Ratio Lower Upper

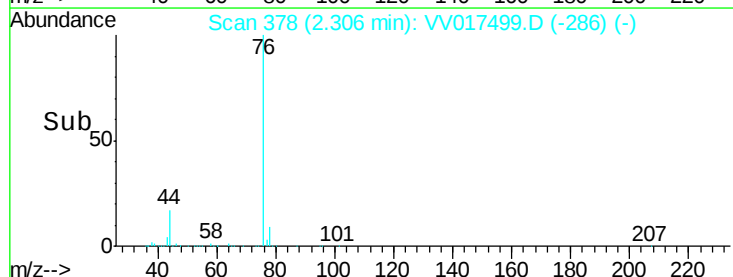
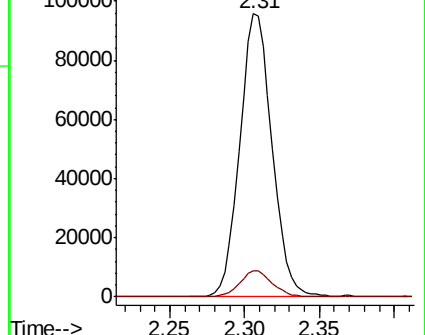
76 100

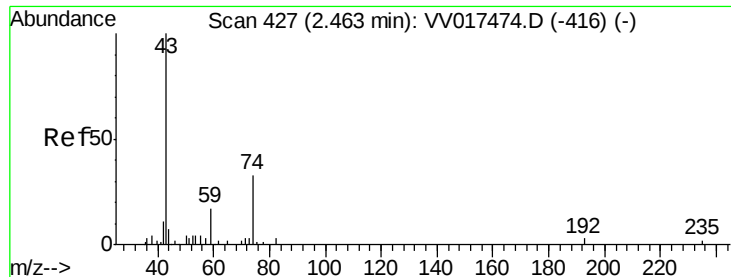
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 6.022 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

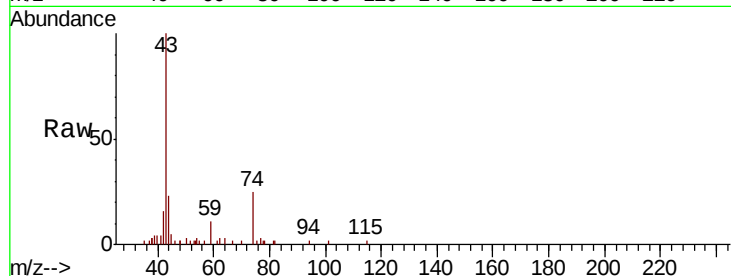
VSTD00552

Tot Ion: 43 Resp: 15202

Ion Ratio Lower Upper

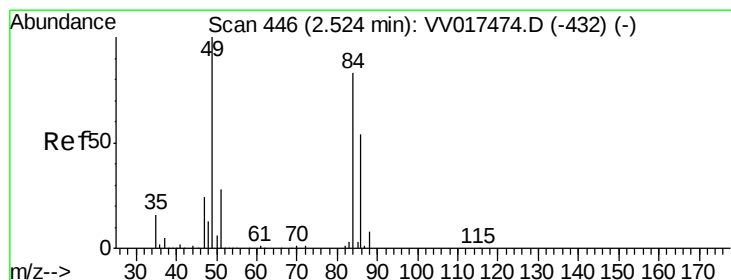
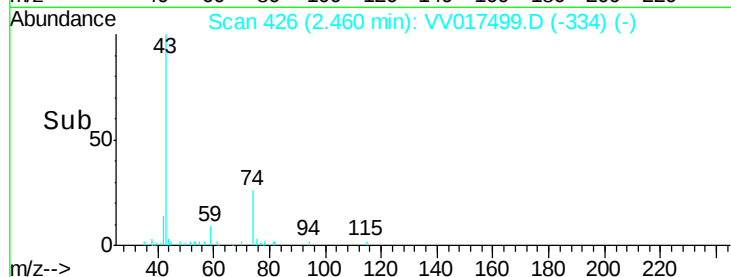
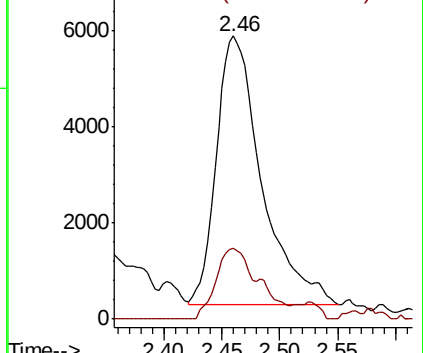
43 100

74 25.1 20.5 30.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.276 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

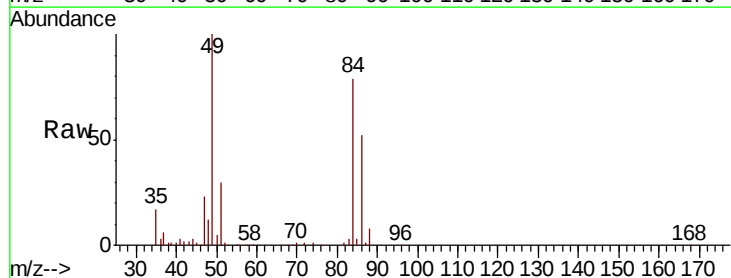
Tgt Ion: 84 Resp: 46727

Ion Ratio Lower Upper

84 100

86 65.4 45.5 84.5

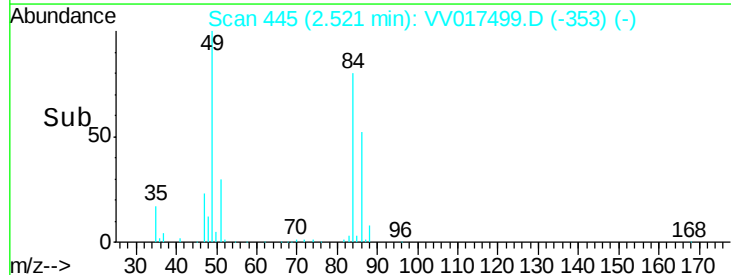
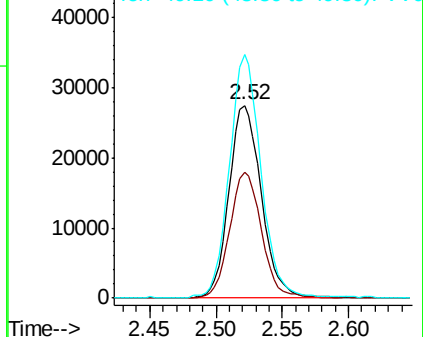
49 126.1 84.6 157.0

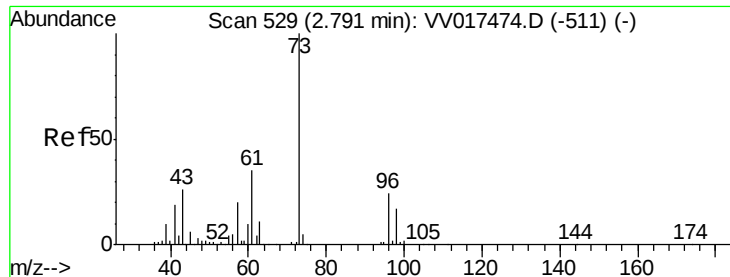


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

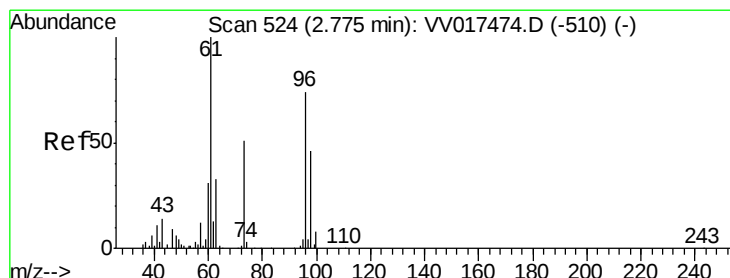
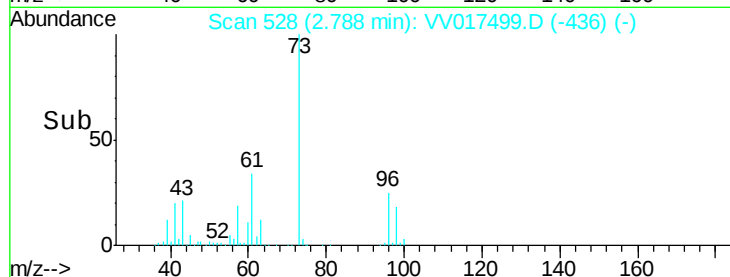
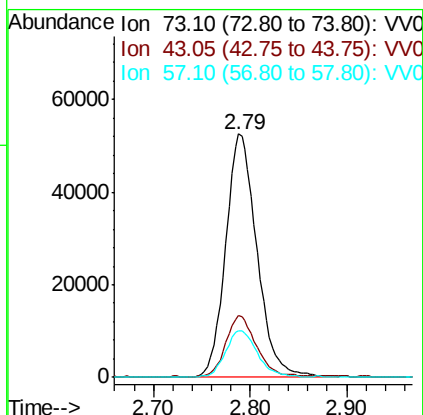
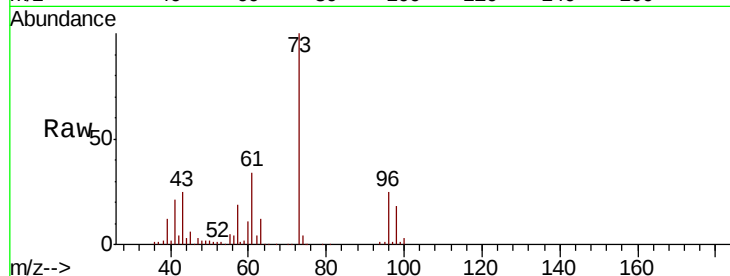




#17
Methvl tert-butvl Ether
Concen: 5.243 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

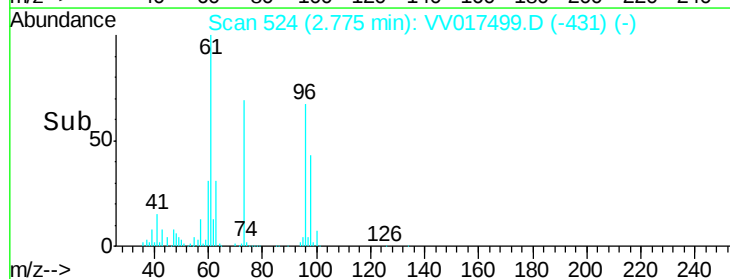
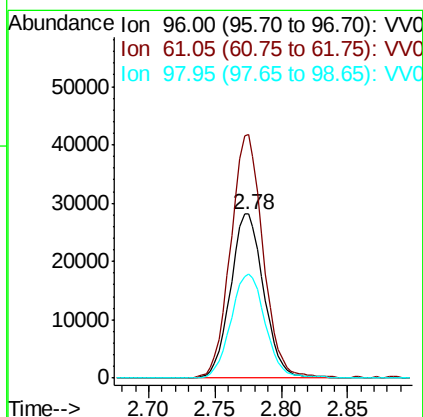
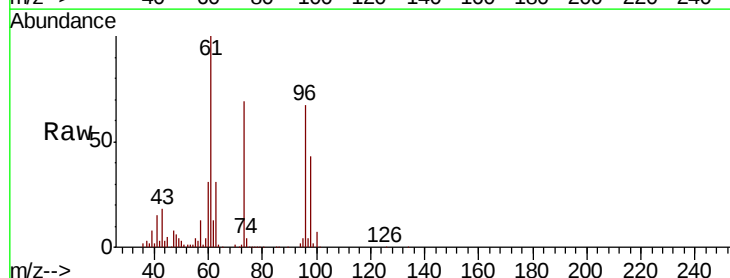
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

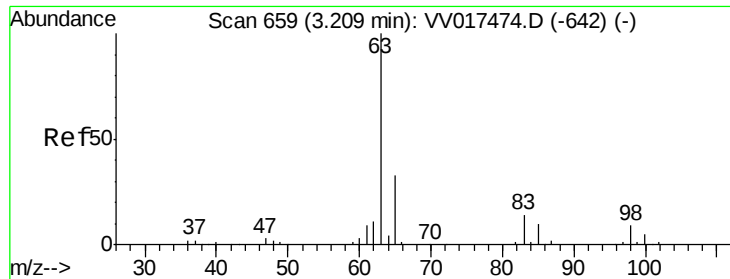
Tot Ion: 73 Resp: 118204
Ion Ratio Lower Upper
73 100
43 25.6 20.4 30.6
57 19.0 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 5.045 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Tgt Ion: 96 Resp: 49091
Ion Ratio Lower Upper
96 100
61 148.3 95.1 176.7
98 63.6 43.5 80.7

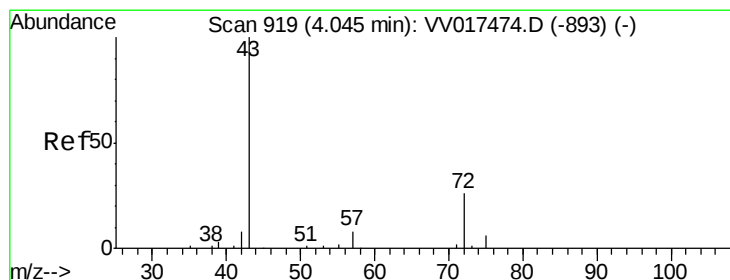
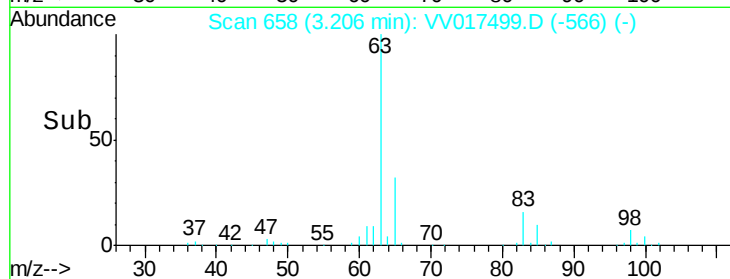
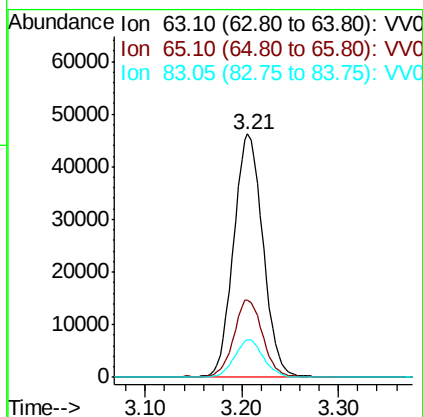
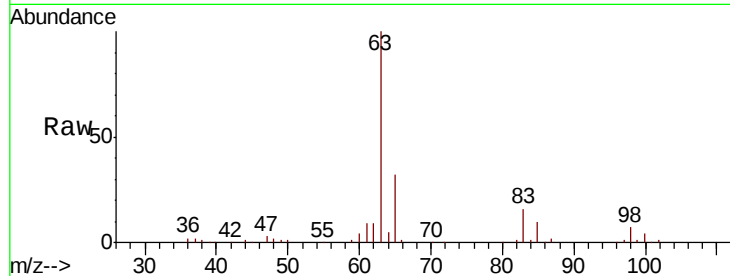




#19
 1,1-Dichloroethane
 Concen: 5.185 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

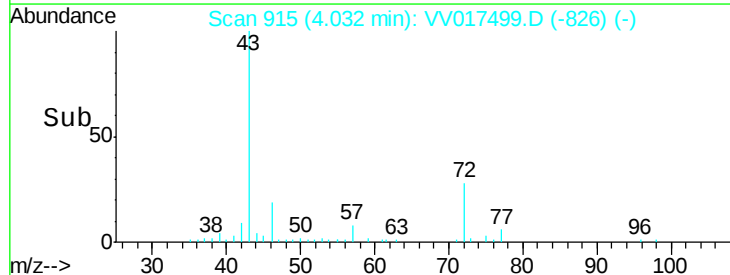
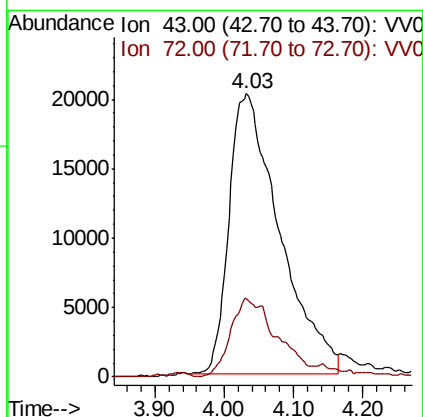
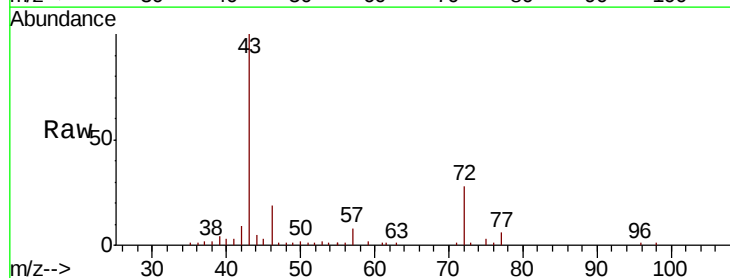
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

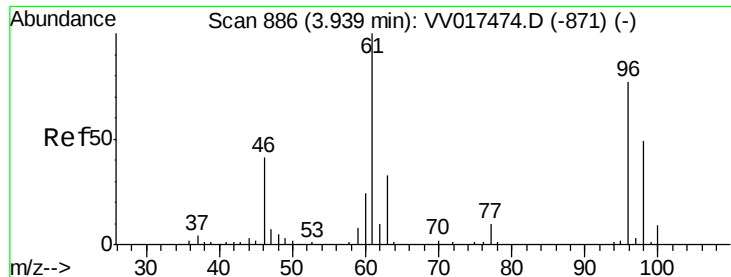
Tot Ion: 63 Resp: 97506
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.2 43.0
 83 15.5 10.1 18.7



#21
 2-Butanone
 Concen: 50.770 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 43 Resp: 102560
 Ion Ratio Lower Upper
 43 100
 72 14.3 3.4 10.1#



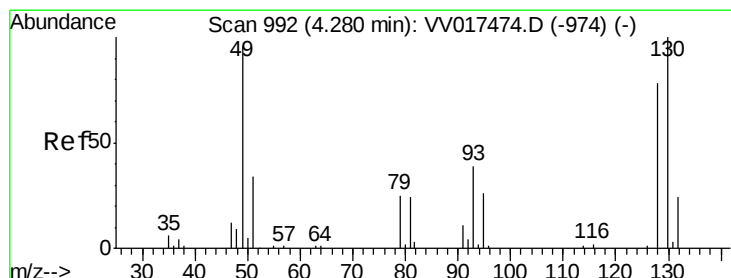
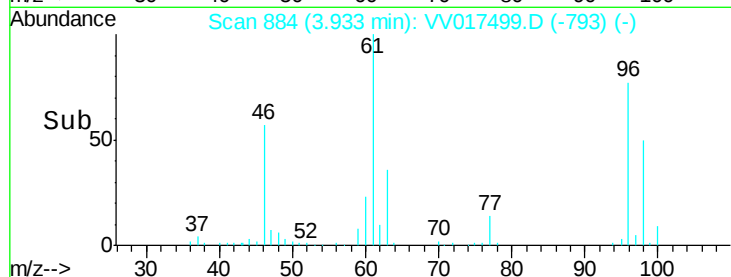
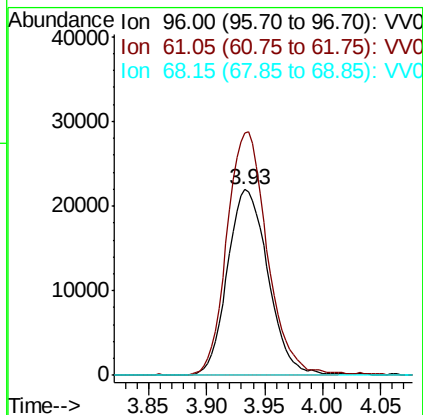
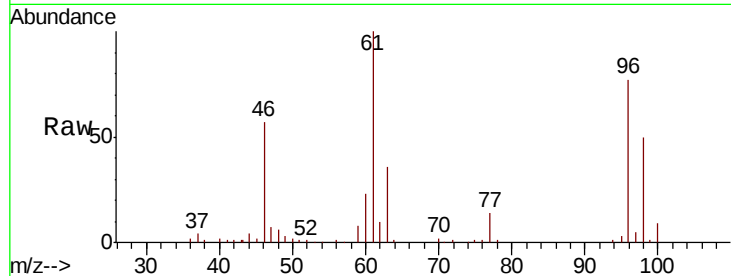


#22

cis-1,2-Dichloroethene
Concen: 5.088 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.01 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

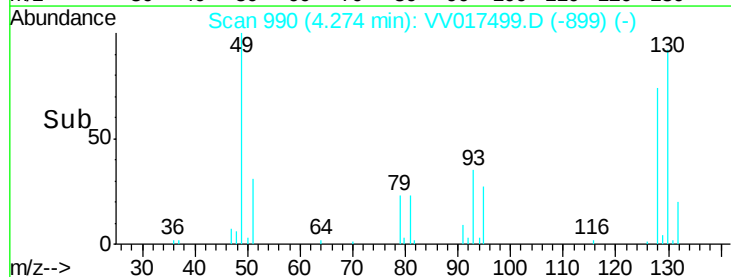
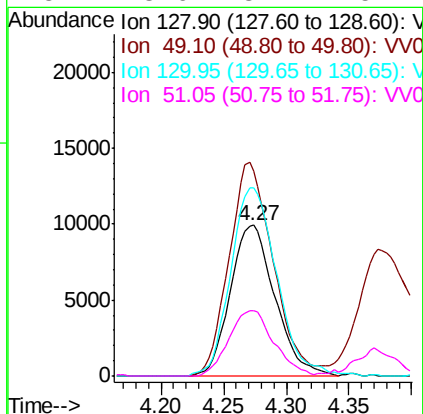
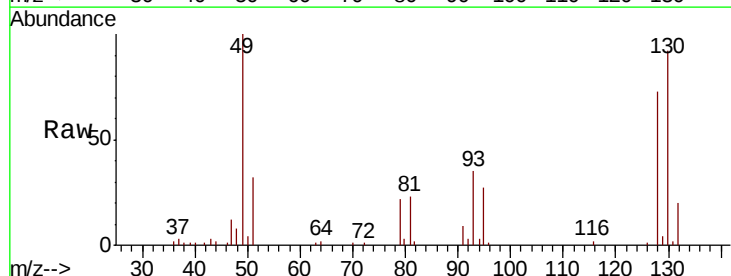
Tot Ion: 96 Resp: 53667
Ion Ratio Lower Upper
96 100
61 130.3 91.5 169.9
68 0.0 0.0 0.0

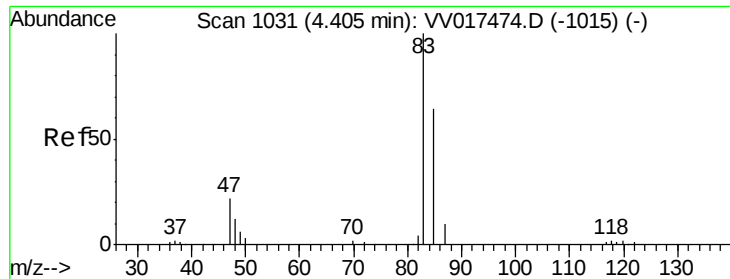


#23

Bromochloromethane
Concen: 5.185 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Tgt Ion: 128 Resp: 24628
Ion Ratio Lower Upper
128 100
49 136.1 86.0 159.6
130 124.7 89.7 166.5
51 43.6 34.7 52.1

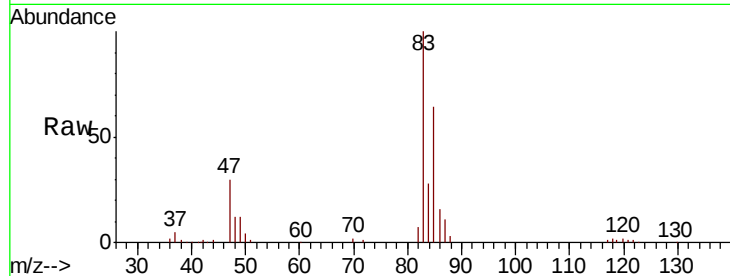




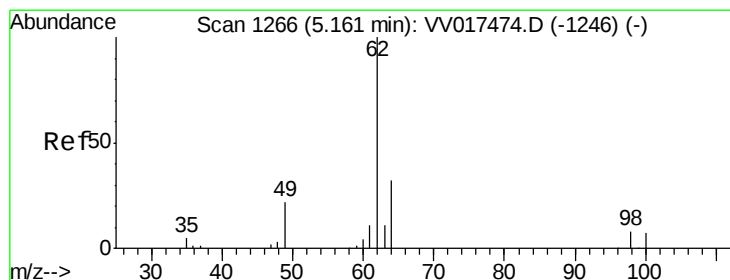
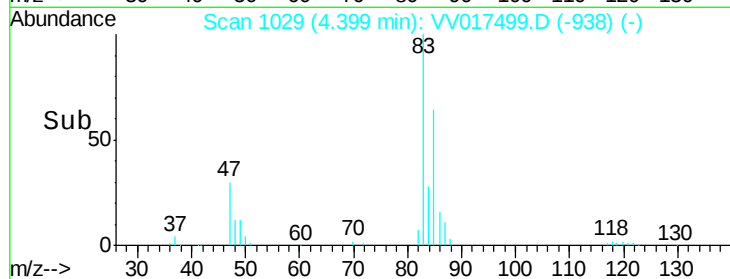
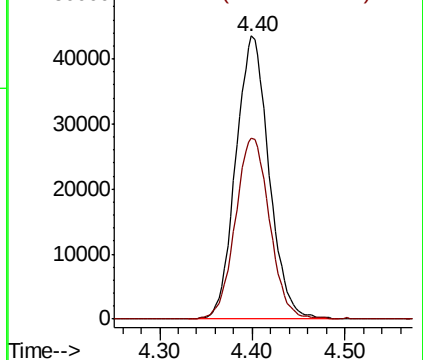
#25
Chloroform
Concen: 5.334 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tot Ion: 83 Resp: 108224
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.4

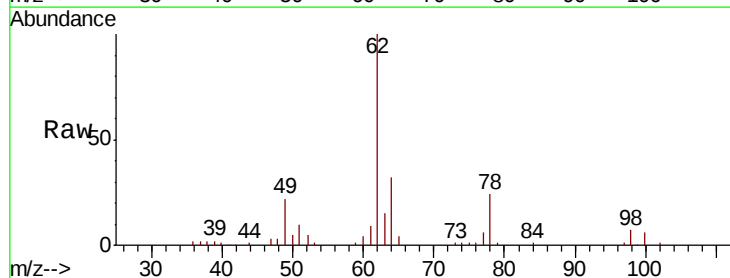


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

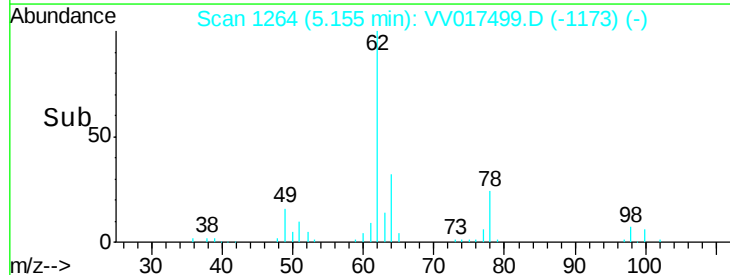
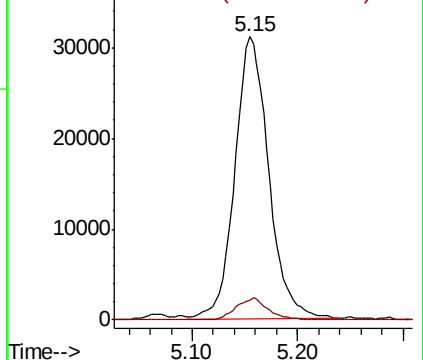


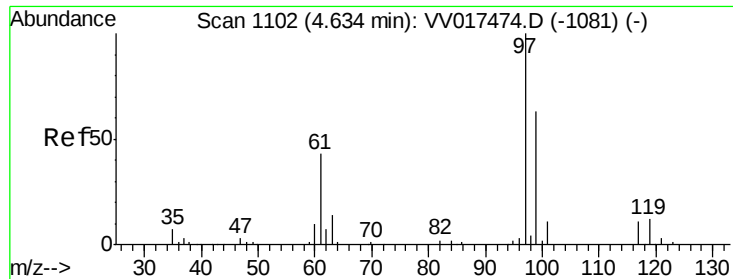
#27
1,2-Dichloroethane
Concen: 5.205 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Tgt Ion: 62 Resp: 69089
Ion Ratio Lower Upper
62 100
98 7.1 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

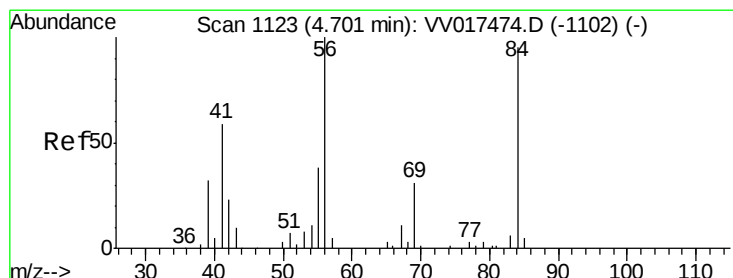
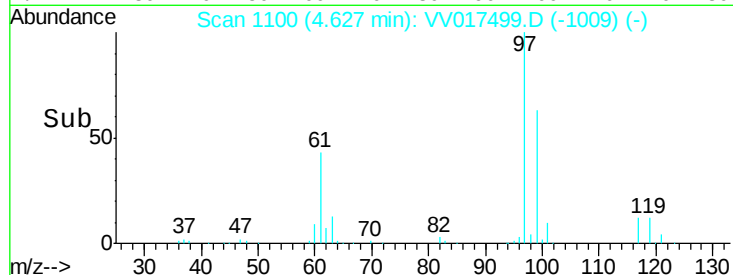
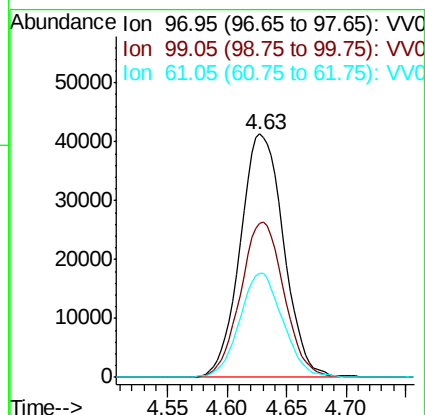
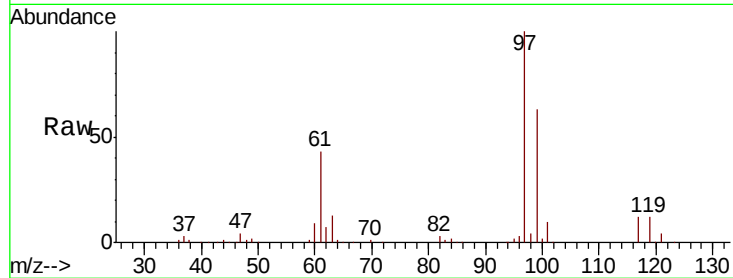




#29
 1,1,1-Trichloroethane
 Concen: 5.111 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

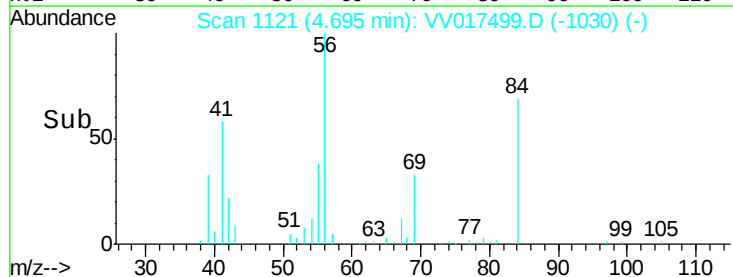
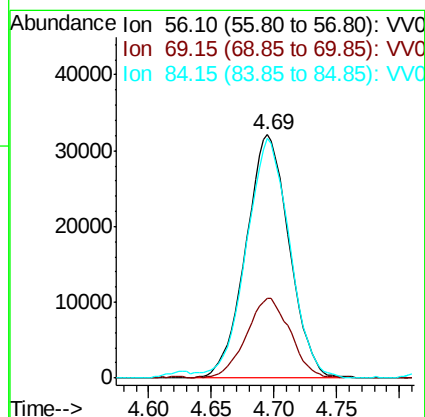
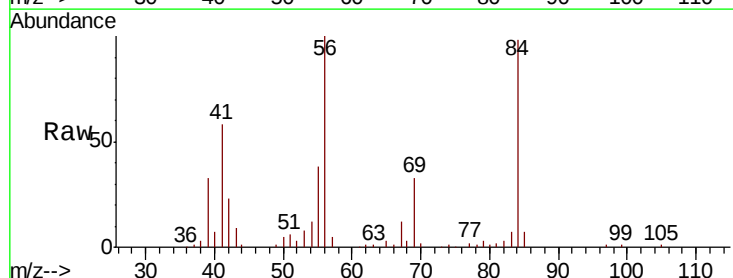
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

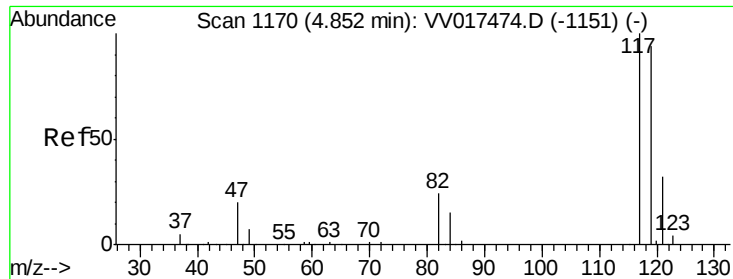
Tot Ion: 97 Resp: 104463
 Ion Ratio Lower Upper
 97 100
 99 64.0 49.1 73.7
 61 42.7 34.3 51.5



#30
 Cyclohexane
 Concen: 4.958 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 56 Resp: 77145
 Ion Ratio Lower Upper
 56 100
 69 33.4 26.0 39.0
 84 98.8 77.9 116.9





#31

Carbon tetrachloride

Concen: 5.176 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

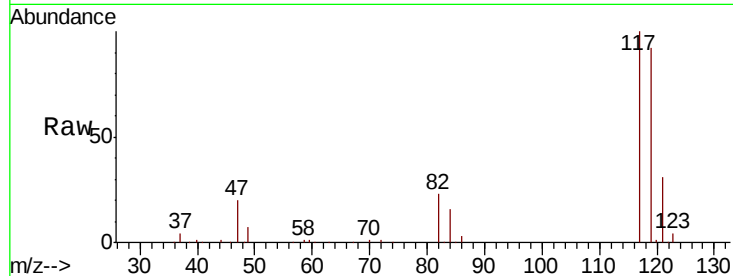
VSTD00552

Tot Ion:117 Resp: 97854

Ion Ratio Lower Upper

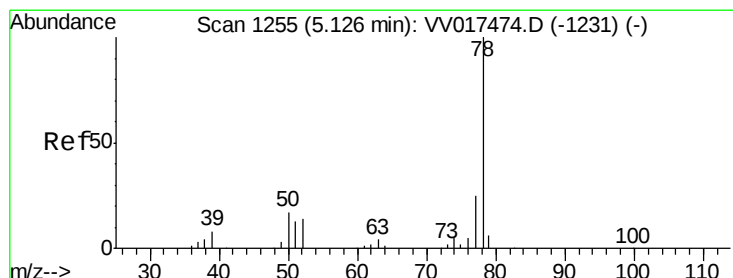
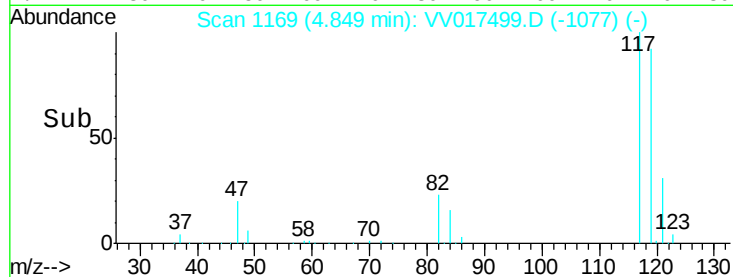
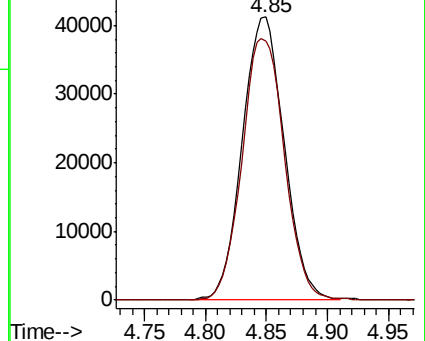
117 100

119 93.6 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.148 ug/L

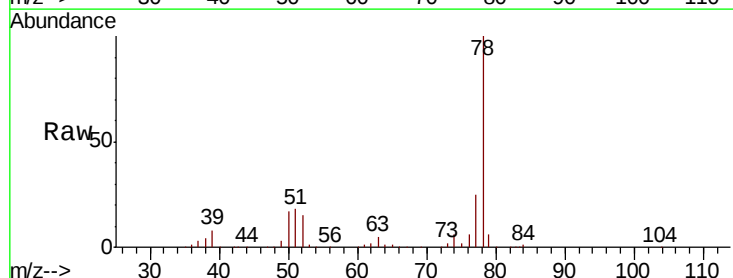
RT: 5.12 min Scan# 1253

Delta R.T. -0.01 min

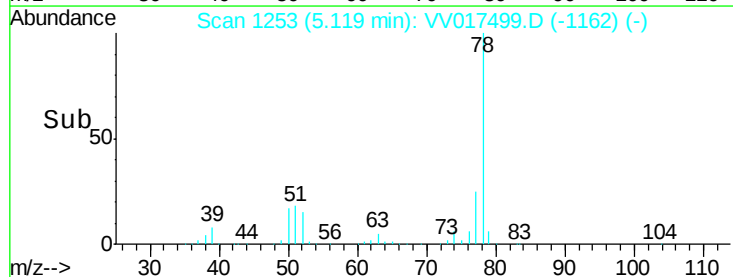
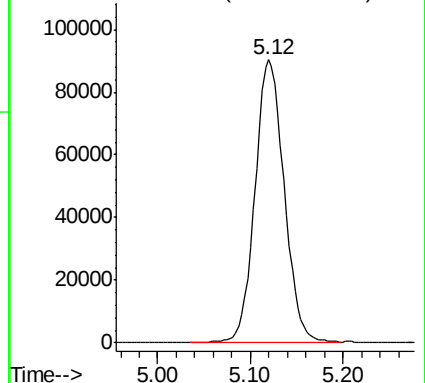
Lab File: VV017499.D

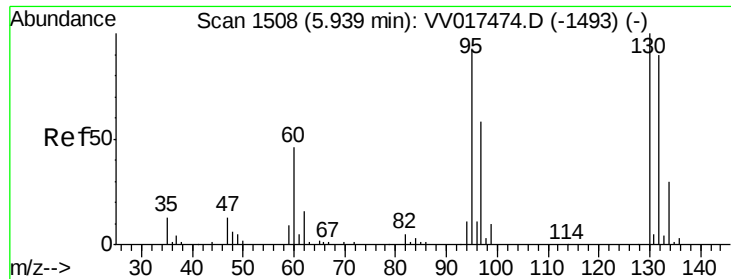
Acq: 15 Jul 2020 09:27

Tgt Ion: 78 Resp: 198000



Abundance Ion 78.10 (77.80 to 78.80): VV0

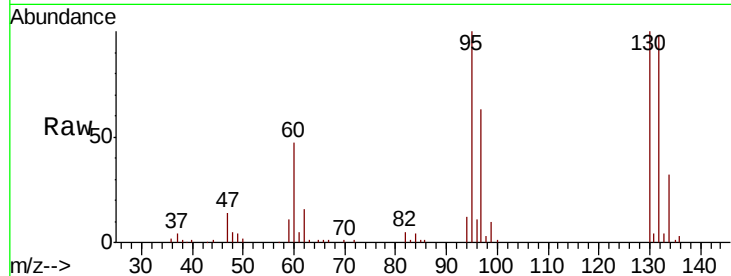




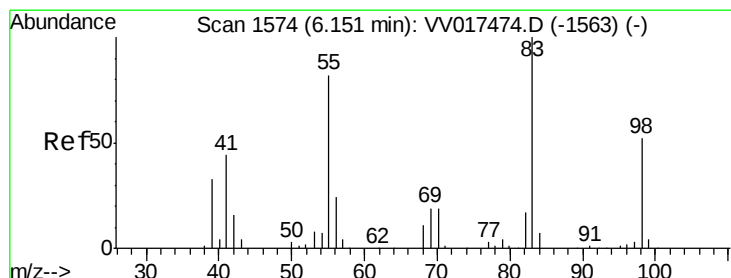
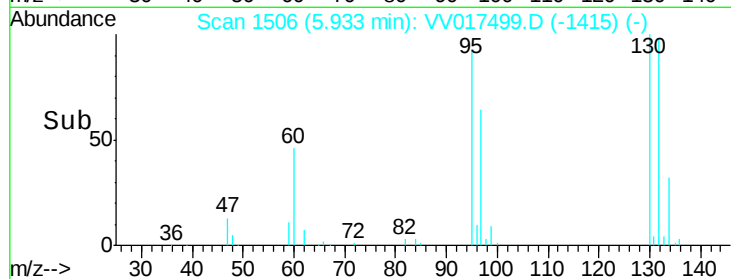
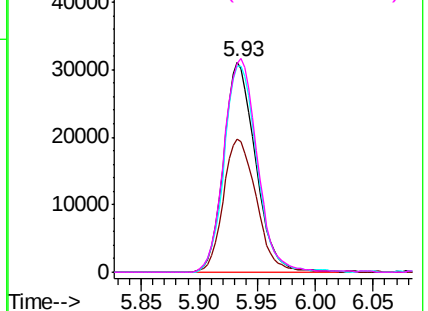
#34
 Trichloroethene
 Concen: 5.049 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tot Ion: 95 Resp: 59291
 Ion Ratio Lower Upper
 95 100
 97 63.4 43.9 81.5
 132 97.8 67.9 126.1
 130 99.5 75.2 139.6

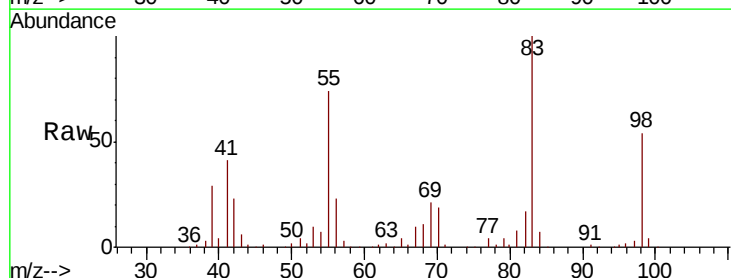


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

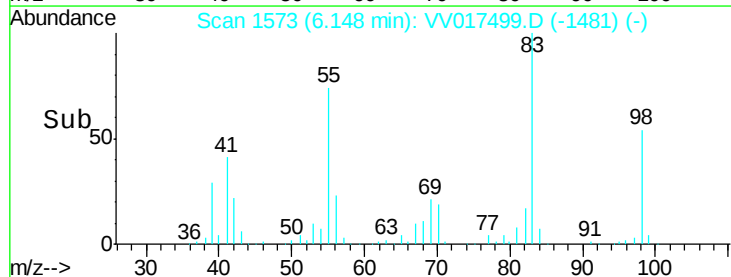
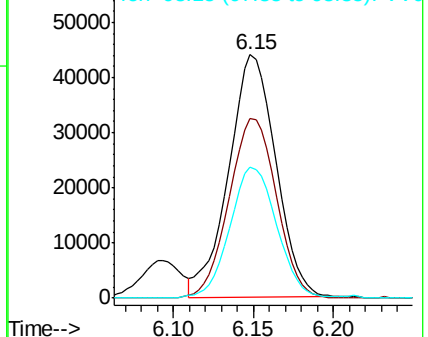


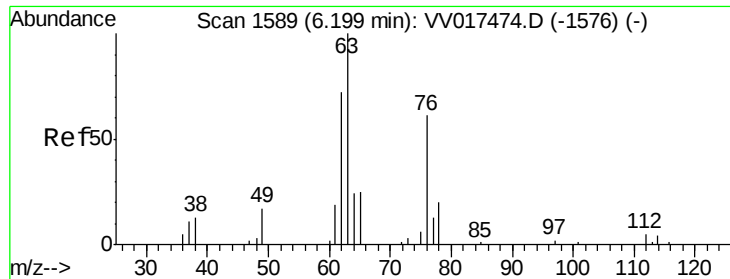
#35
 Methylcyclohexane
 Concen: 5.122 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 83 Resp: 88512
 Ion Ratio Lower Upper
 83 100
 55 75.0 62.0 93.0
 98 54.1 41.4 62.2



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

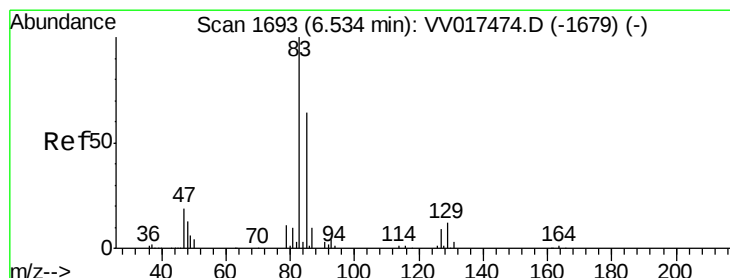
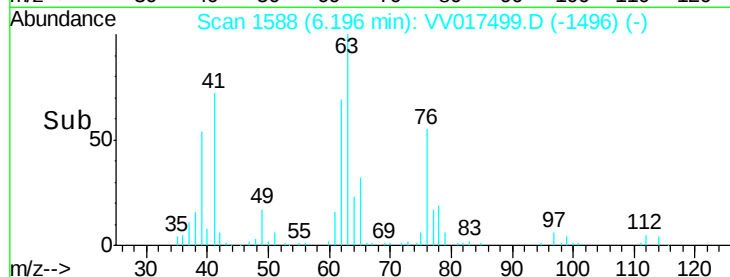
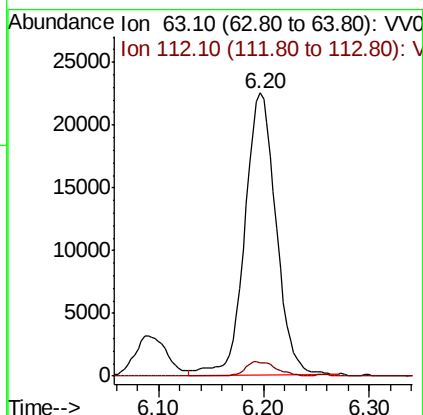
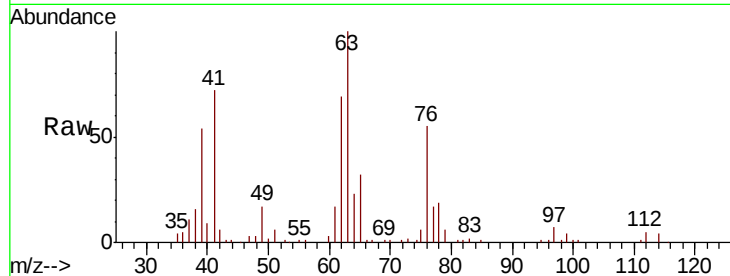




#37
 1,2-Dichloropropane
 Concen: 5.186 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

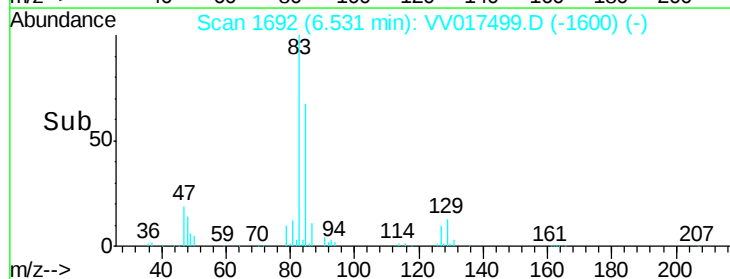
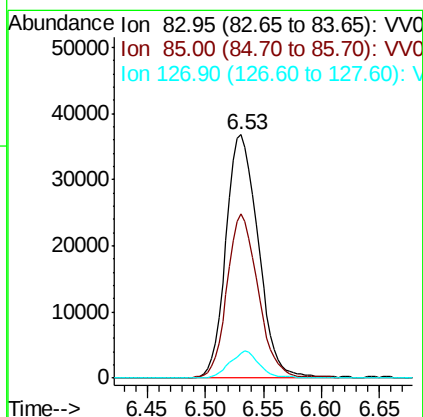
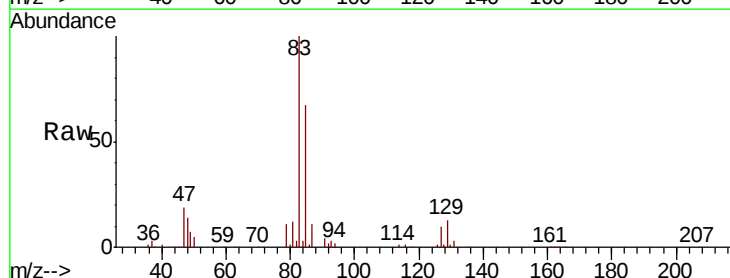
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

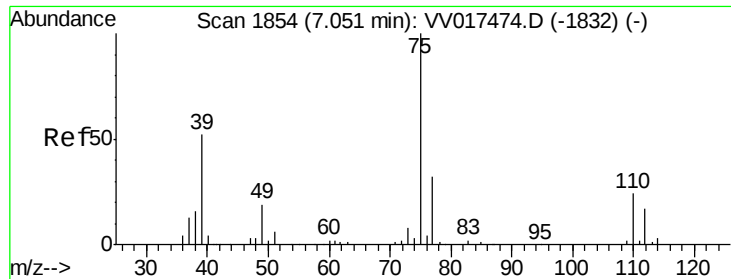
Tot Ion: 63 Resp: 46185
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.182 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 83 Resp: 71473
 Ion Ratio Lower Upper
 83 100
 85 67.5 45.0 83.6
 127 10.3 7.5 11.3

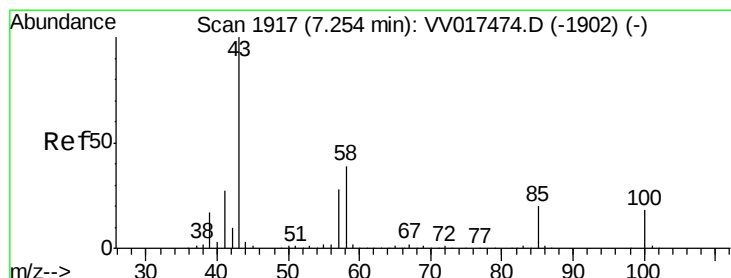
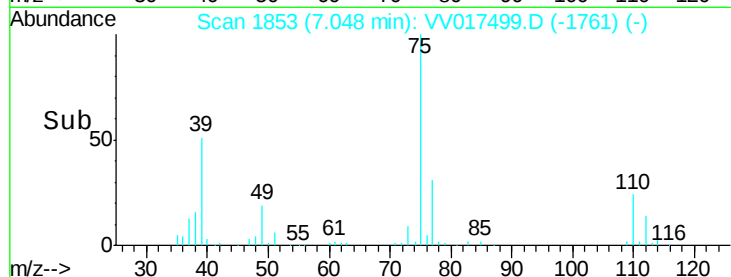
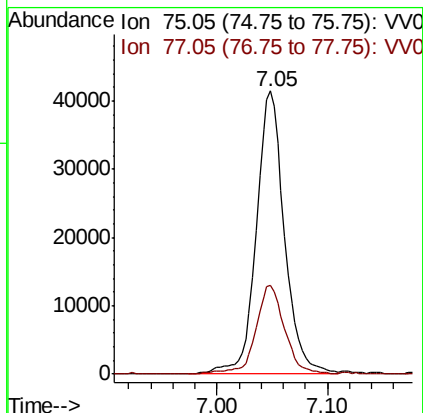
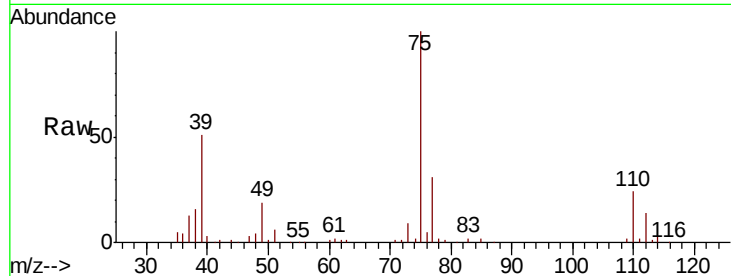




#39
 cis-1,3-Dichloropropene
 Concen: 5.140 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

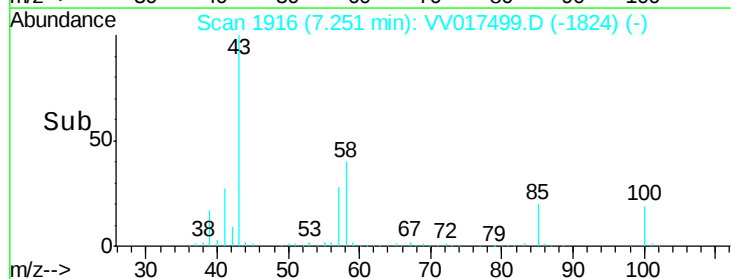
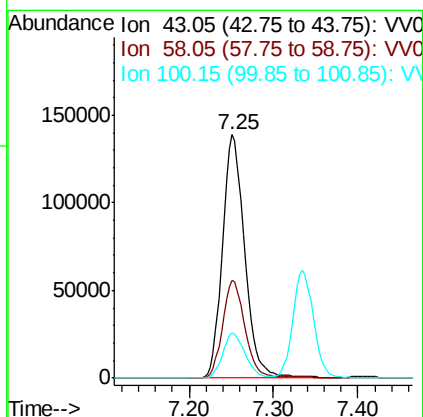
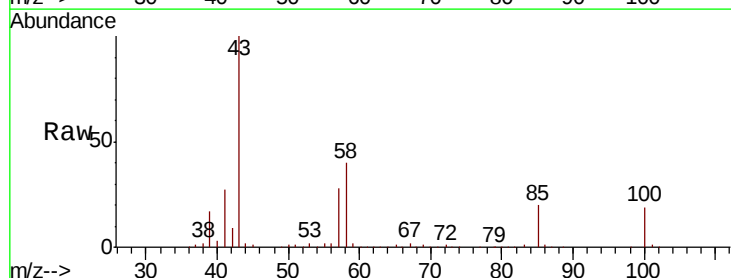
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

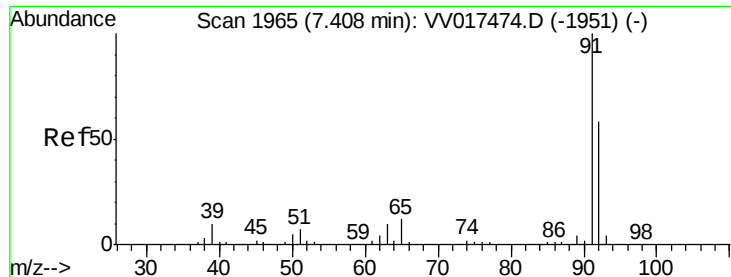
Tot Ion: 75 Resp: 73624
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 54.239 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 43 Resp: 255259
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.0 46.4
 100 18.8 14.4 21.6





#42

Toluene

Concen: 5.243 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampled :

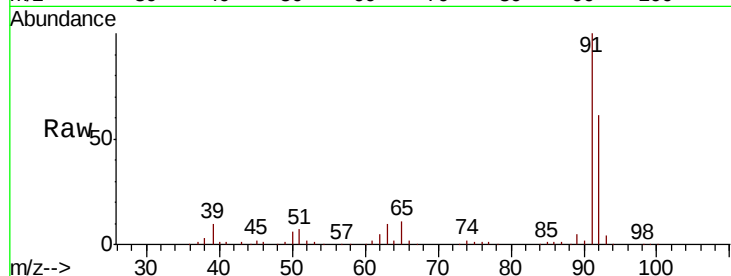
VSTD00552

Tot Ion: 91 Resp: 222666

Ion Ratio Lower Upper

91 100

92 60.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

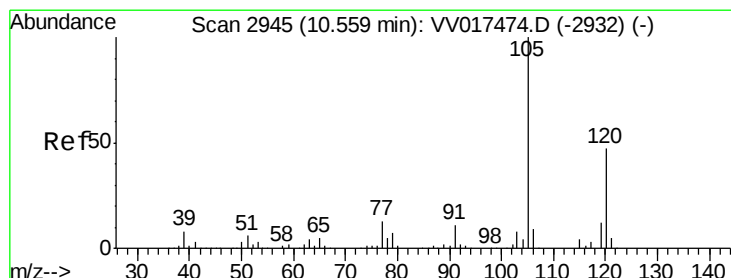
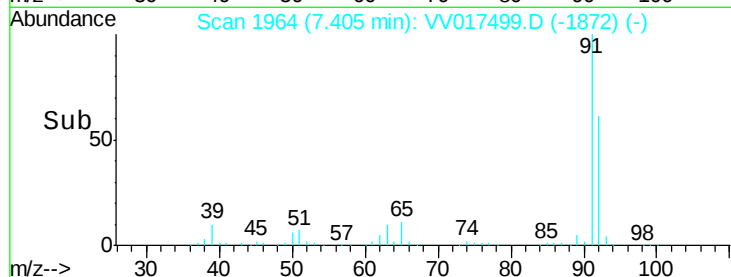
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.298 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017499.D

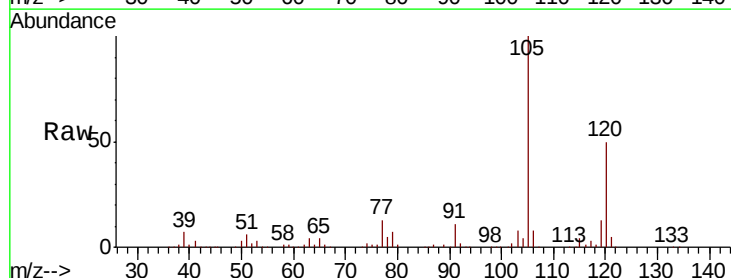
Acq: 15 Jul 2020 09:27

Tgt Ion: 105 Resp: 223351

Ion Ratio Lower Upper

105 100

120 49.1 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.56

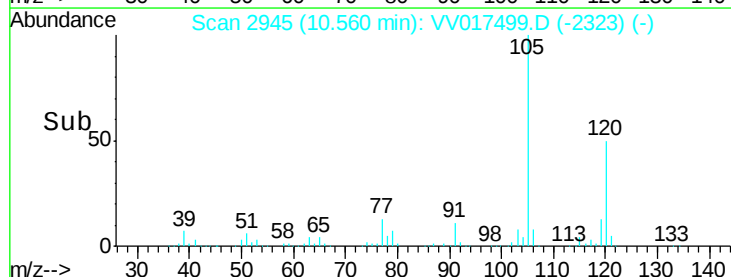
150000

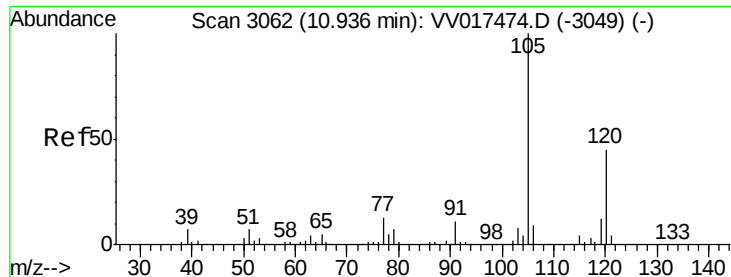
100000

50000

0

Time-->

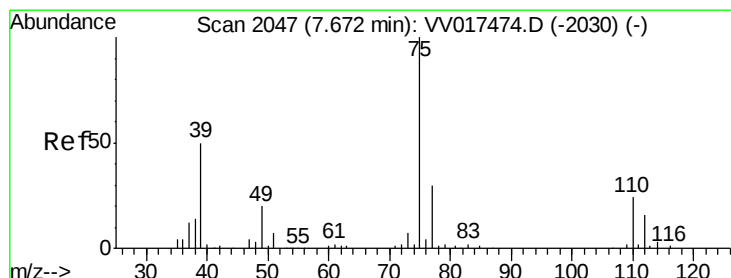
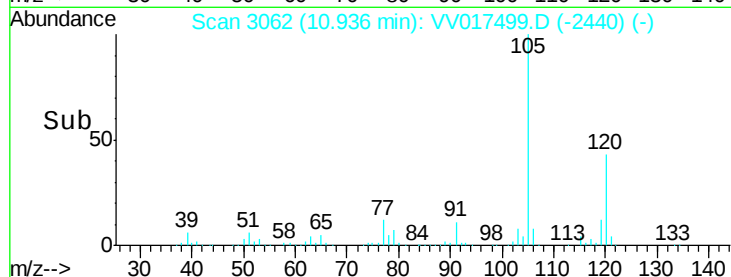
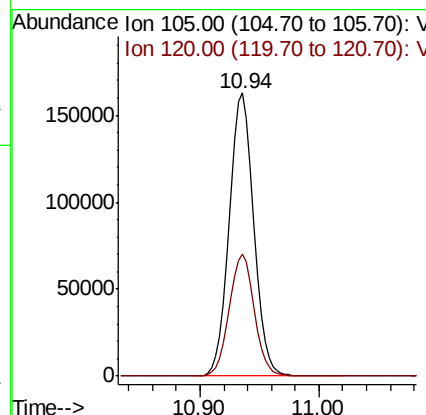
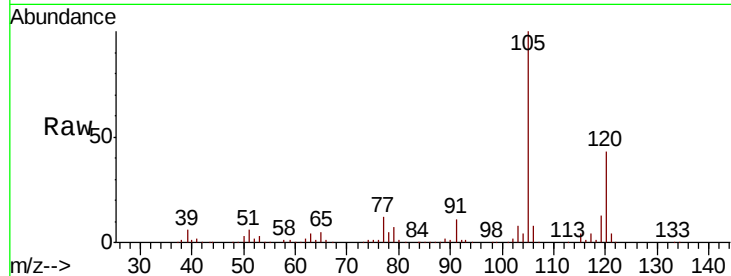




#44
 1,2,4-Trimethylbenzene
 Concen: 5.547 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

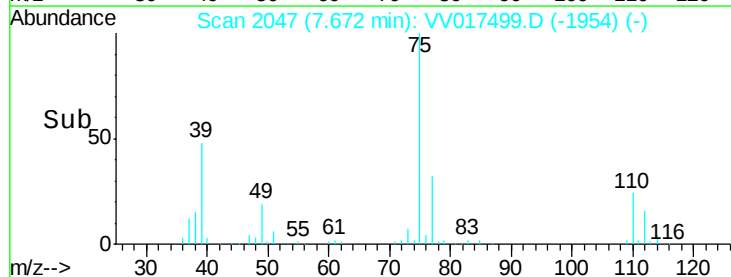
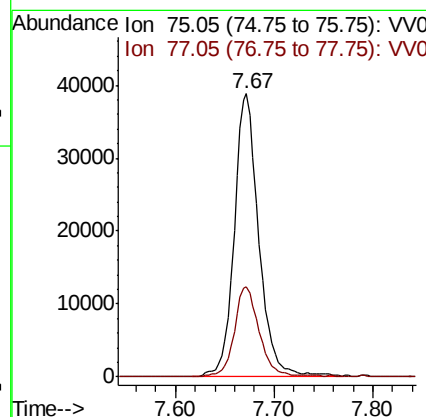
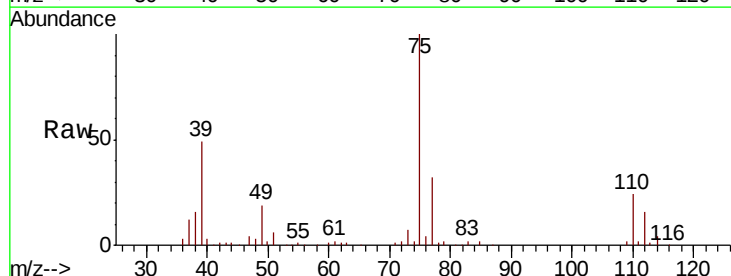
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

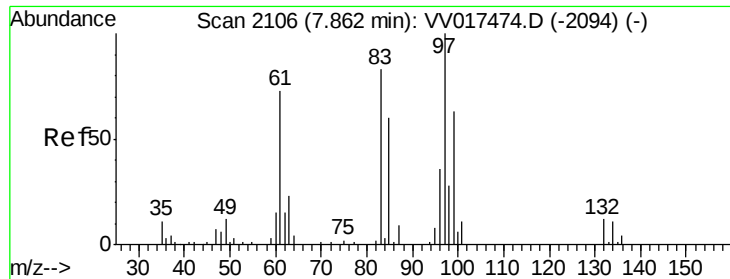
Tot Ion:105 Resp: 232907
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.6 53.4



#46
 trans-1,3-Dichloropropene
 Concen: 5.369 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 75 Resp: 67680
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.2 39.4

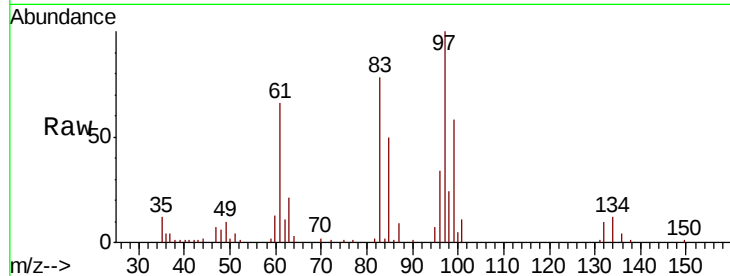




#47
 1,1,2-Trichloroethane
 Concen: 5.171 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tot Ion:	97	Resp:	34401
Ion	Ratio	Lower	Upper
97	100		
99	58.2	44.0	81.6
83	78.1	57.7	107.3
85	49.6	41.9	77.9



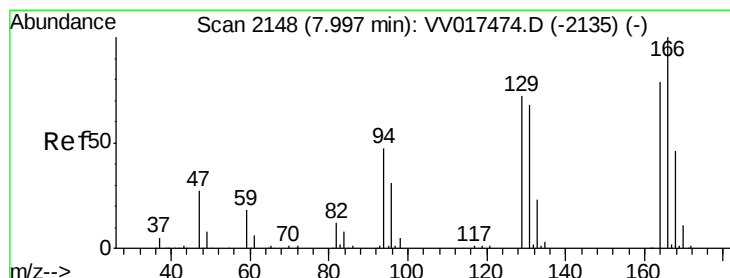
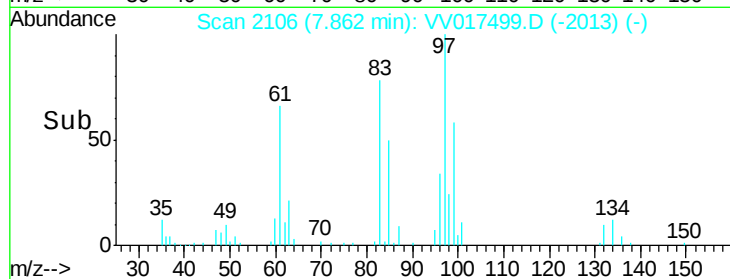
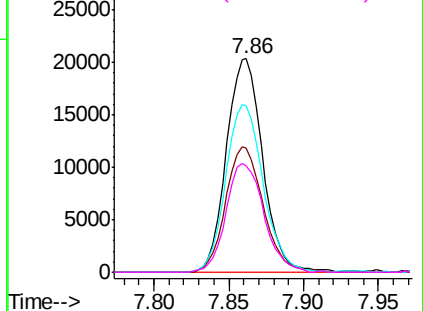
Abundance

Ion 96.95 (96.65 to 97.65): VV017499.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV017499.D (-2013) (-)

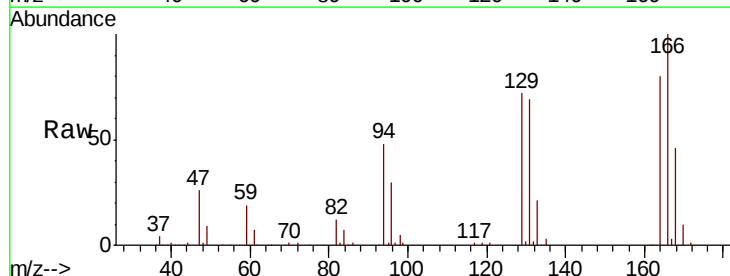
Ion 82.95 (82.65 to 83.65): VV017499.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV017499.D (-2013) (-)



#49
 Tetrachloroethene
 Concen: 5.370 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion:	164	Resp:	53663
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.1	119.1
131	86.4	60.6	112.6
166	125.3	88.8	164.8



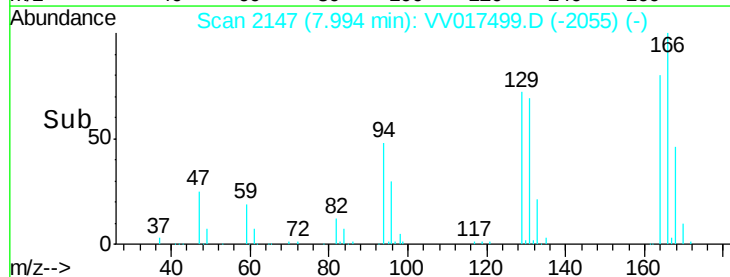
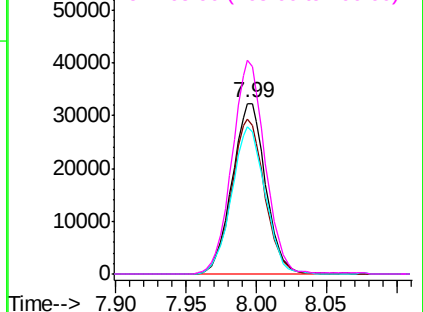
Abundance

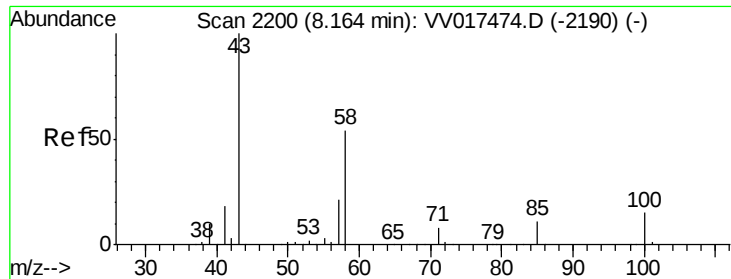
Ion 163.90 (163.60 to 164.60): VV017499.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV017499.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV017499.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV017499.D (-2055) (-)

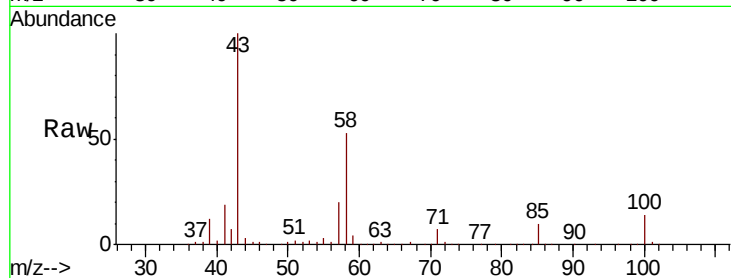




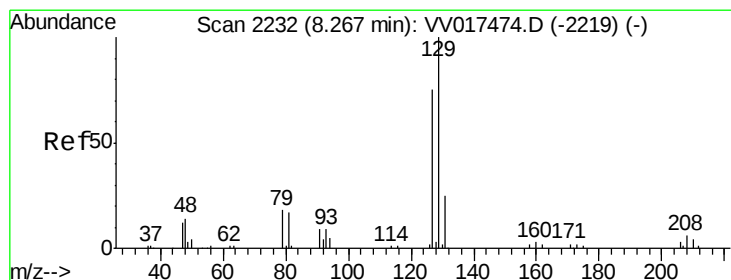
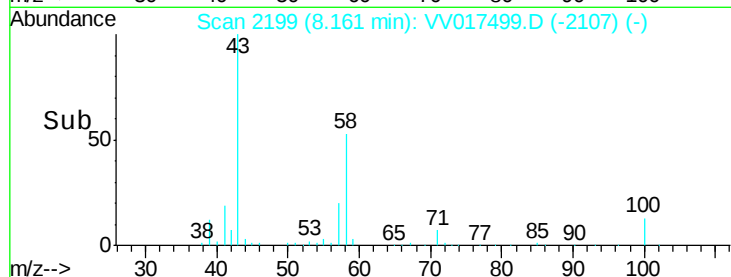
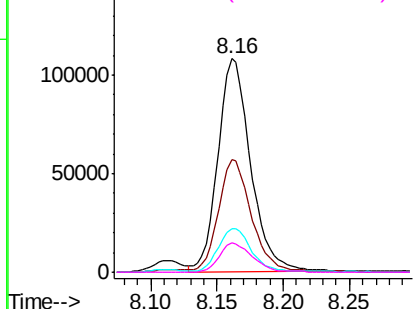
#50
2-Hexanone
Concen: 53.492 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tot Ion: 43 Resp: 184955
Ion Ratio Lower Upper
43 100
58 53.7 43.0 64.4
57 20.5 16.8 25.2
100 14.1 11.8 17.6

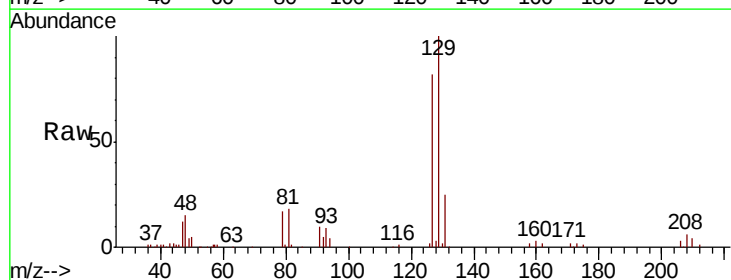


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

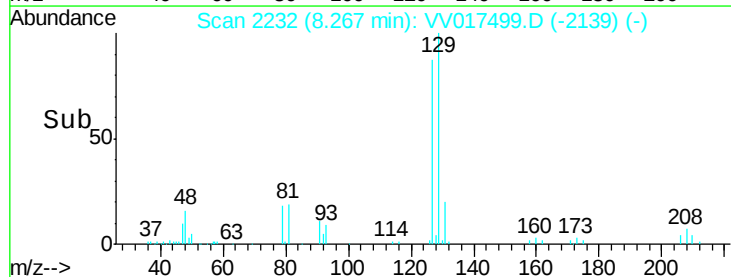
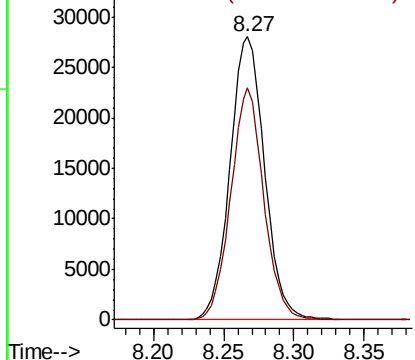


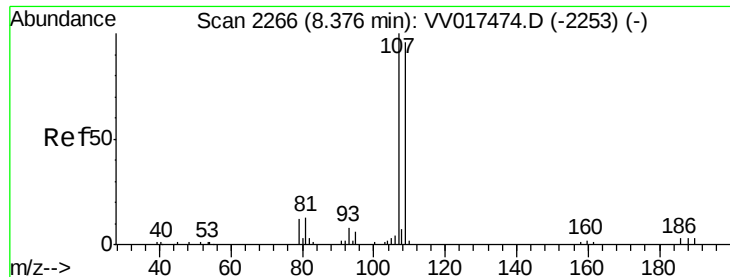
#51
Dibromochloromethane
Concen: 5.250 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Tgt Ion: 129 Resp: 48129
Ion Ratio Lower Upper
129 100
127 81.9 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 5.208 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

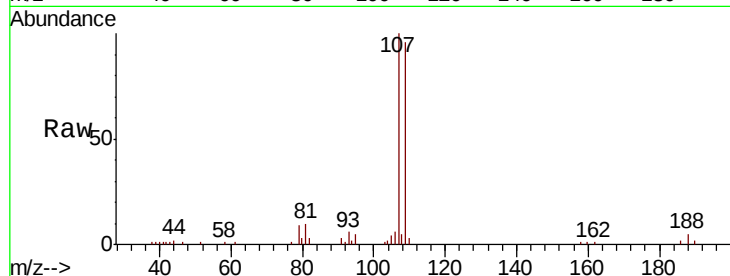
Tot Ion:107 Resp: 33944

Ion Ratio Lower Upper

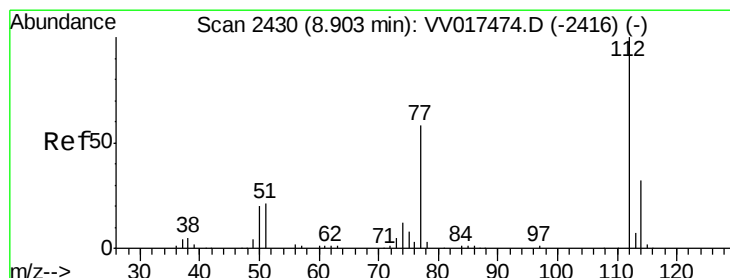
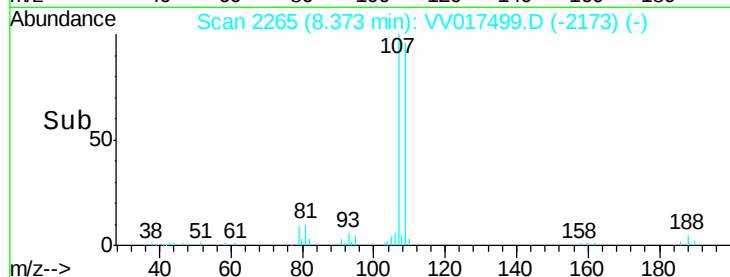
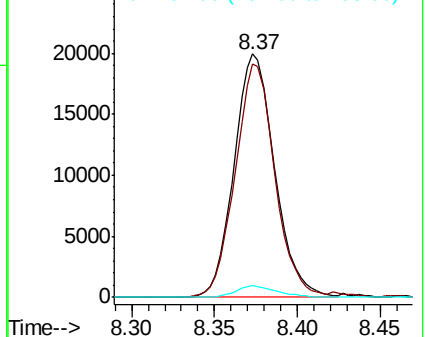
107 100

109 95.7 67.0 124.4

188 4.6 2.7 4.1#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.310 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

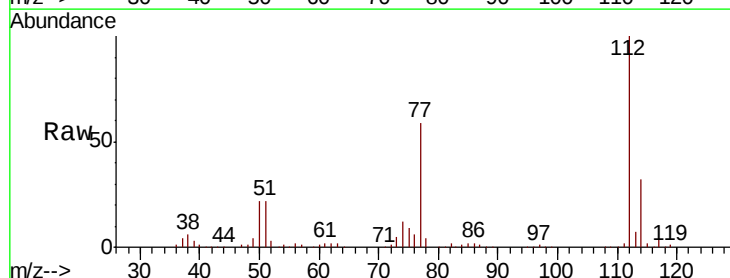
Tgt Ion:112 Resp: 151072

Ion Ratio Lower Upper

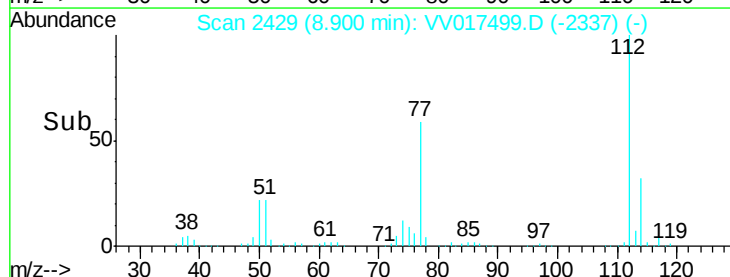
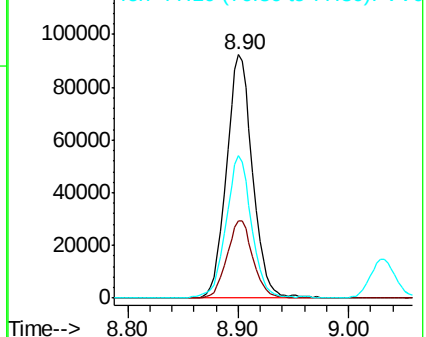
112 100

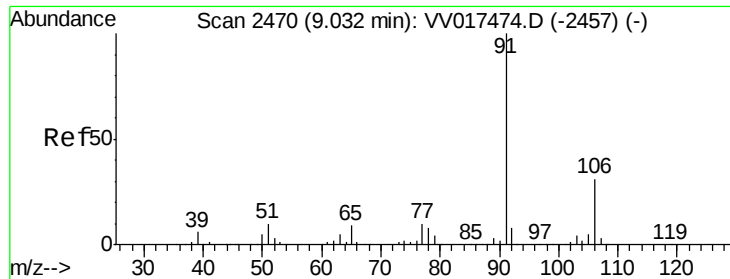
114 31.7 22.4 41.6

77 58.6 47.0 70.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

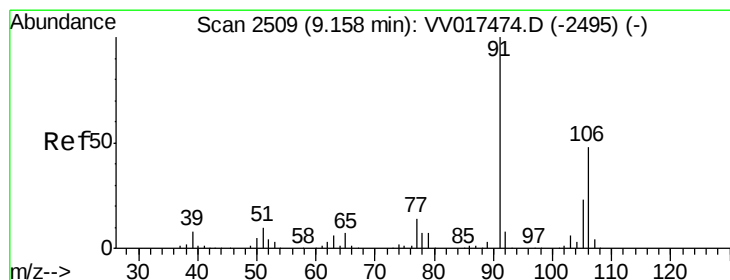
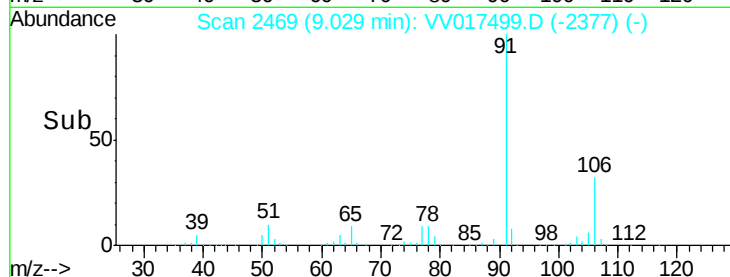
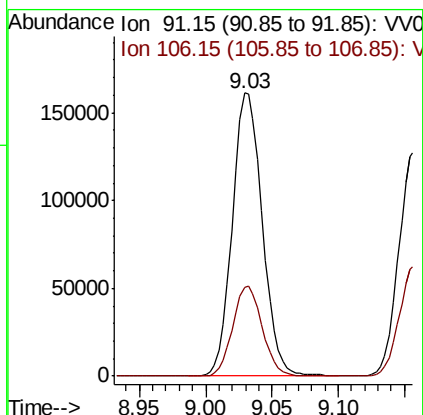
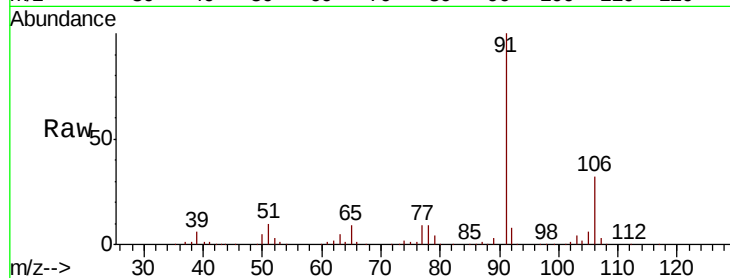




#54
Ethylbenzene
Concen: 5.218 ug/L
RT: 9.03 min Scan# 2469
Delta R.T. -0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

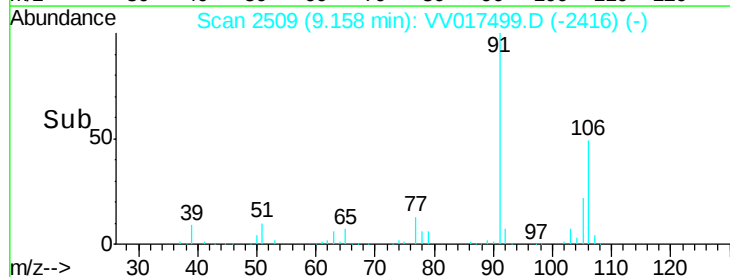
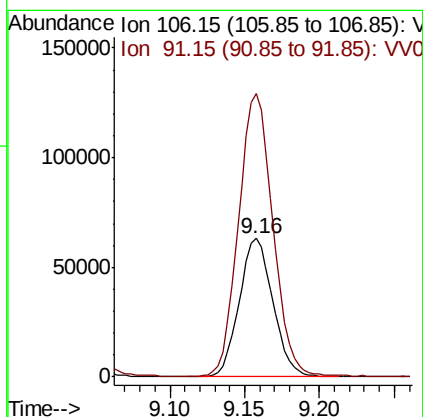
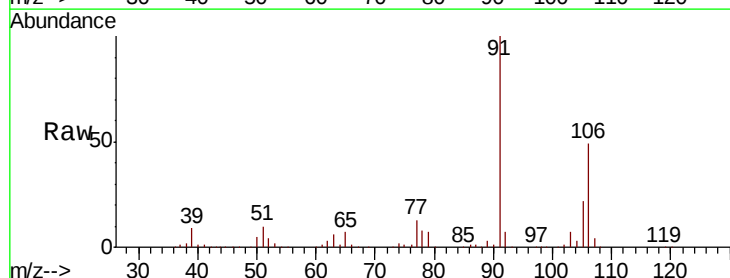
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

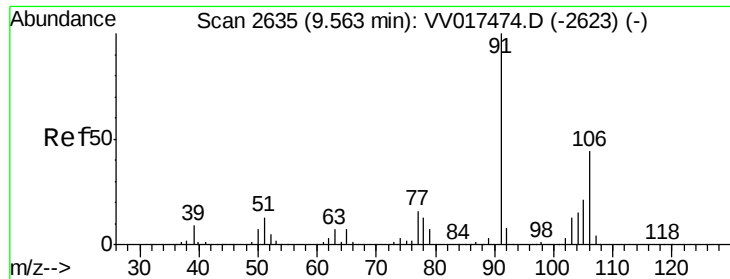
Tot Ion: 91 Resp: 253623
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7



#55
m,p-xylene
Concen: 5.398 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Tgt Ion: 106 Resp: 99217
Ion Ratio Lower Upper
106 100
91 204.8 144.2 267.8

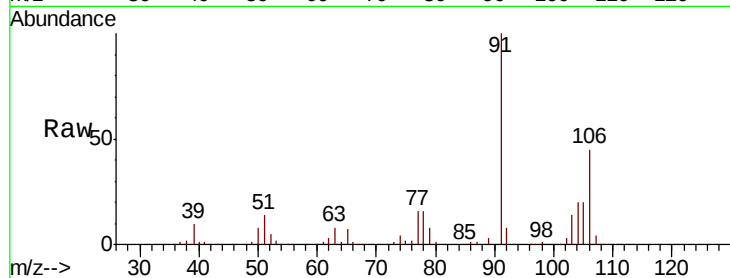




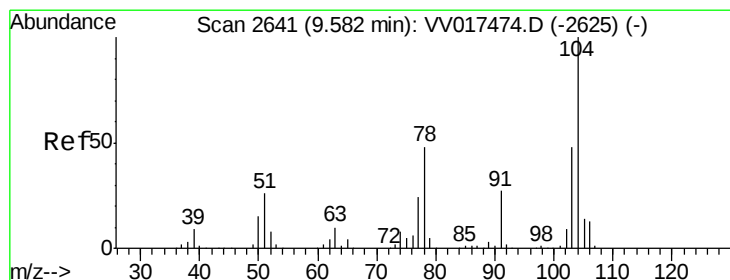
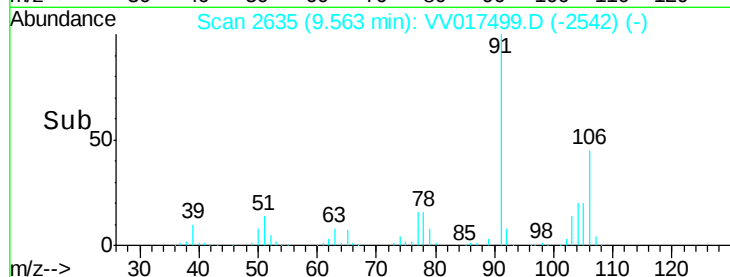
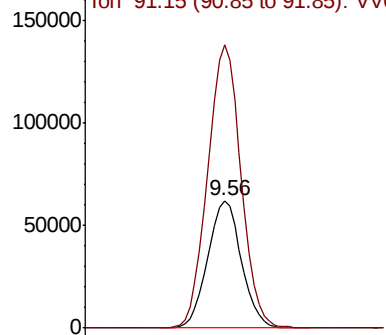
#56
o-xylene
Concen: 5.284 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tot Ion:106 Resp: 93955
Ion Ratio Lower Upper
106 100
91 221.8 158.8 294.8

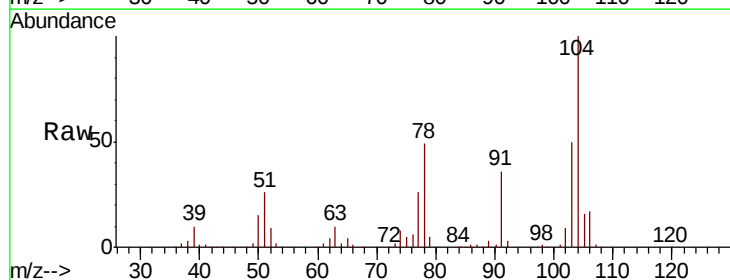


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

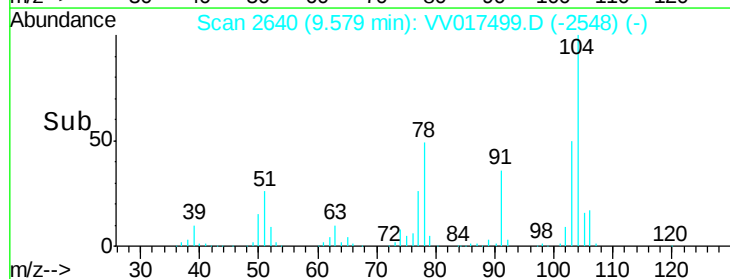
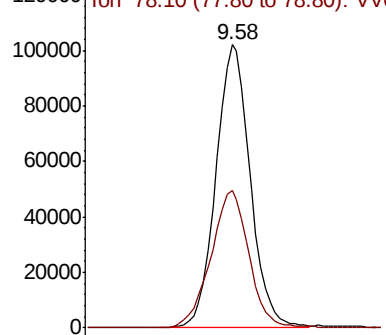


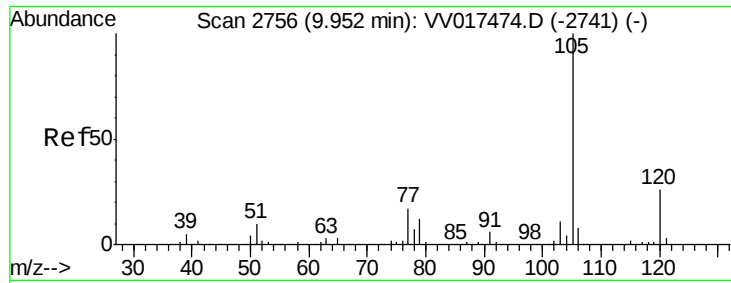
#57
Styrene
Concen: 5.434 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017499.D
Acq: 15 Jul 2020 09:27

Tgt Ion:104 Resp: 162612
Ion Ratio Lower Upper
104 100
78 48.6 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.287 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

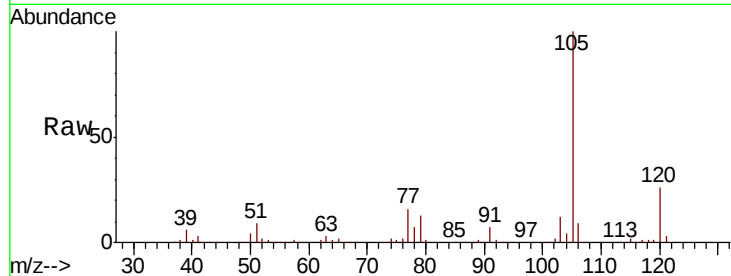
Tot Ion:105 Resp: 266136

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

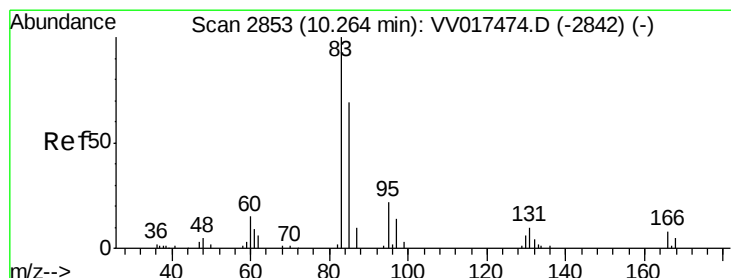
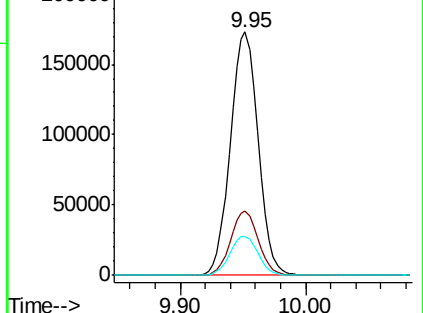
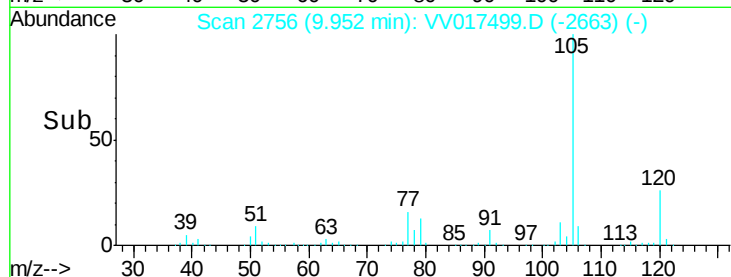
77 16.4 13.3 19.9



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.316 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

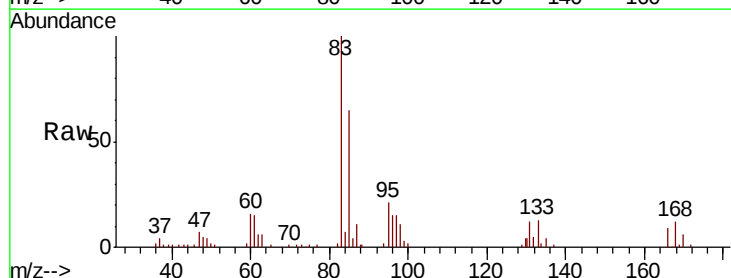
Tgt Ion: 83 Resp: 35716

Ion Ratio Lower Upper

83 100

85 65.2 49.1 91.3

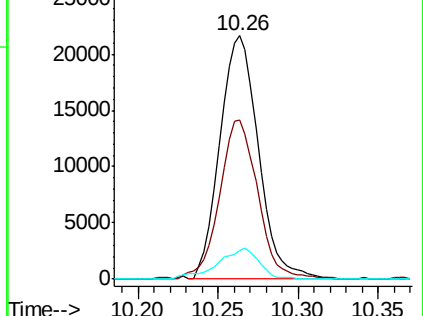
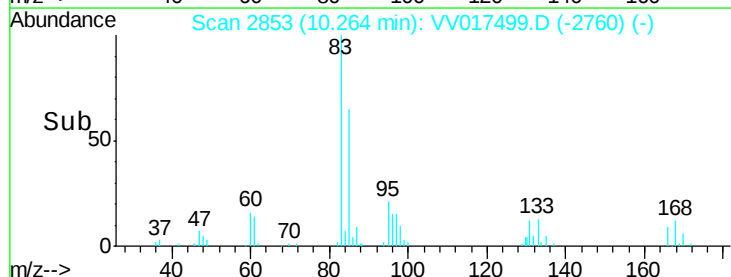
131 11.7 9.8 14.6

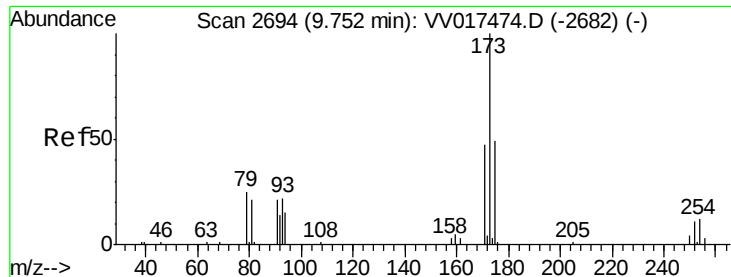


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.195 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

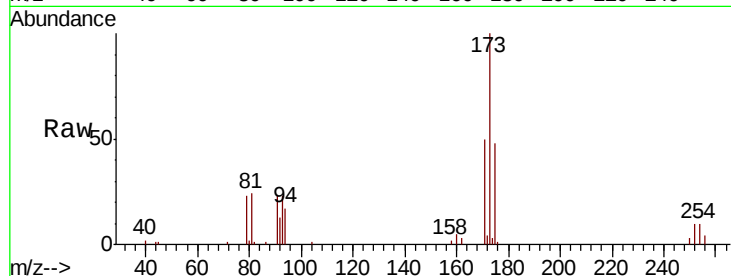
Tot Ion:173 Resp: 27182

Ion Ratio Lower Upper

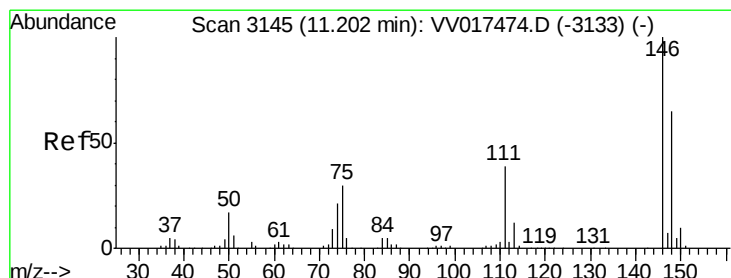
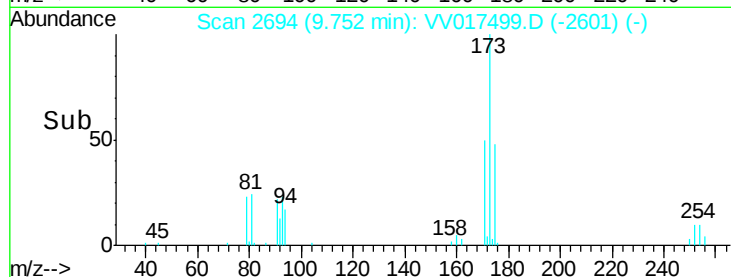
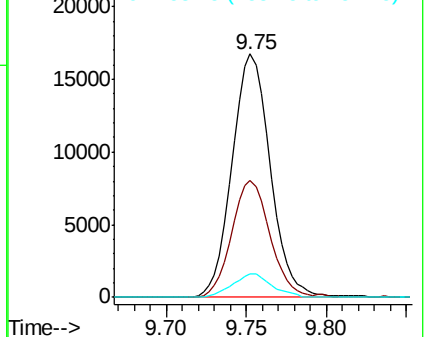
173 100

175 47.9 39.8 59.8

254 9.9 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.250 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

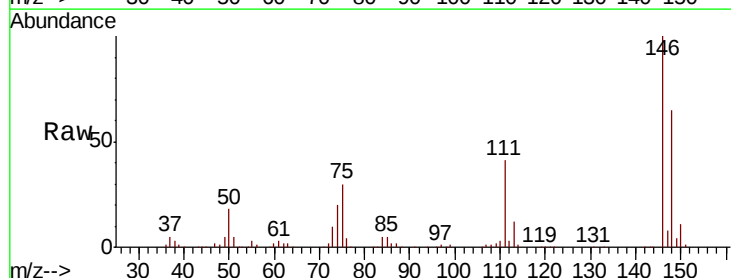
Tgt Ion:146 Resp: 132770

Ion Ratio Lower Upper

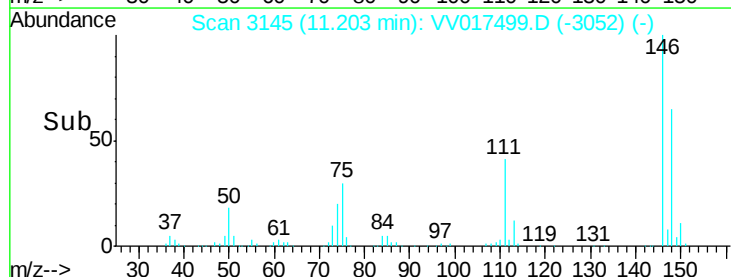
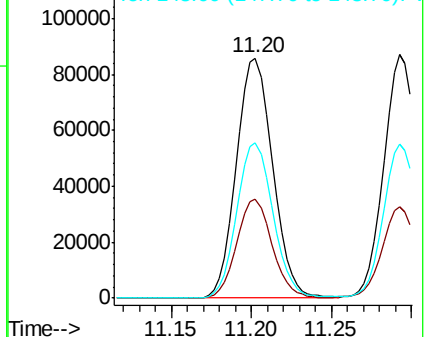
146 100

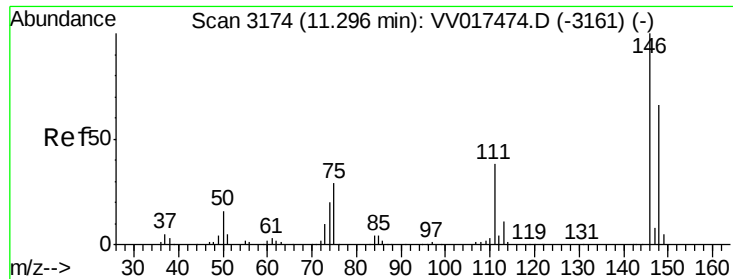
111 41.1 27.2 50.6

148 64.5 45.6 84.6



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





#64

1,4-Dichlorobenzene

Concen: 5.289 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

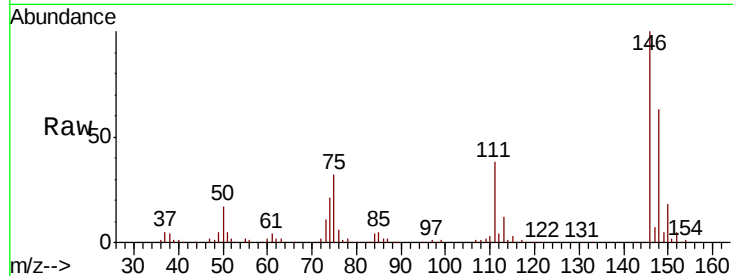
Tot Ion:146 Resp: 132760

Ion Ratio Lower Upper

146 100

111 37.7 26.9 50.1

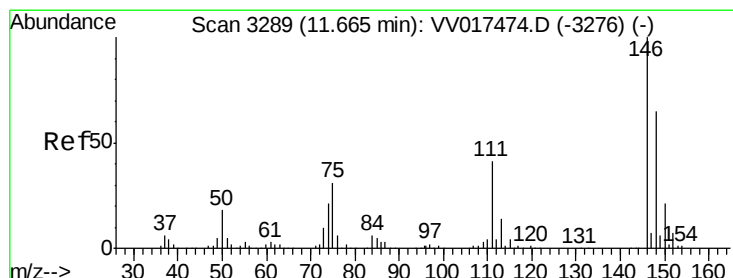
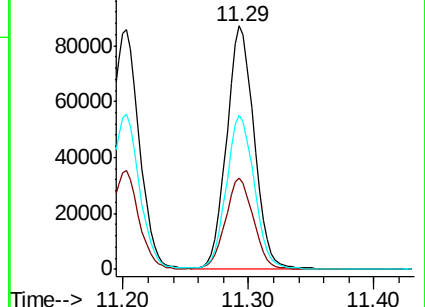
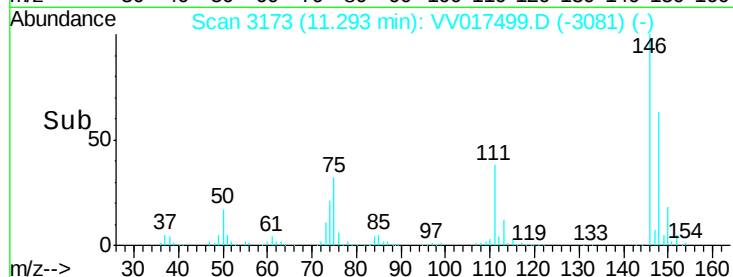
148 63.3 46.1 85.5



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



#66

1,2-Dichlorobenzene

Concen: 5.133 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017499.D

Acq: 15 Jul 2020 09:27

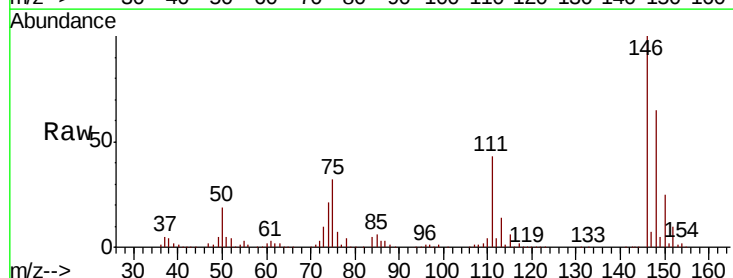
Tgt Ion:146 Resp: 117633

Ion Ratio Lower Upper

146 100

111 43.0 32.7 49.1

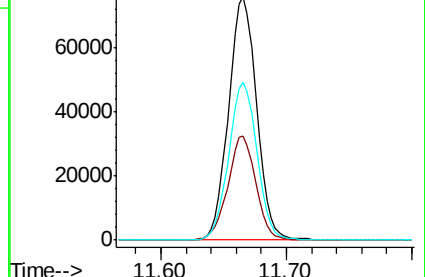
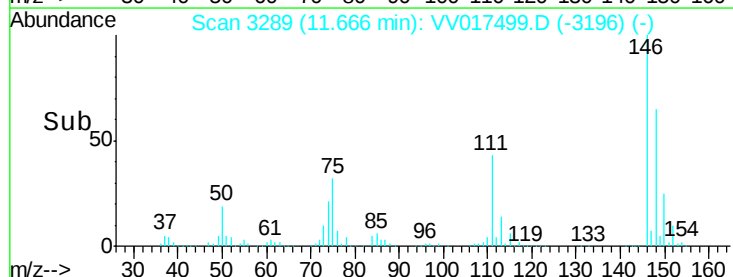
148 64.8 52.3 78.5

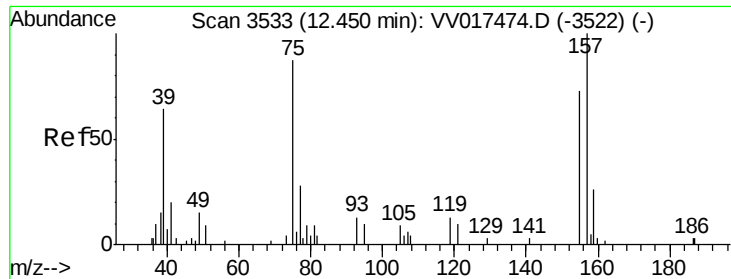


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

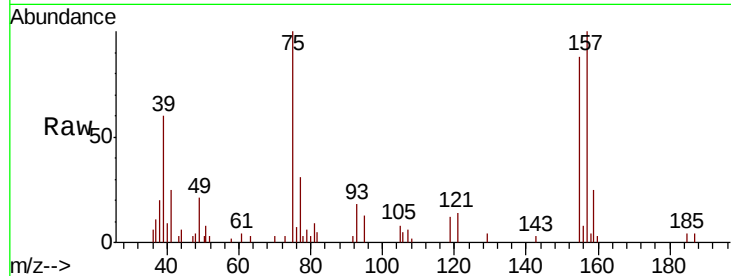




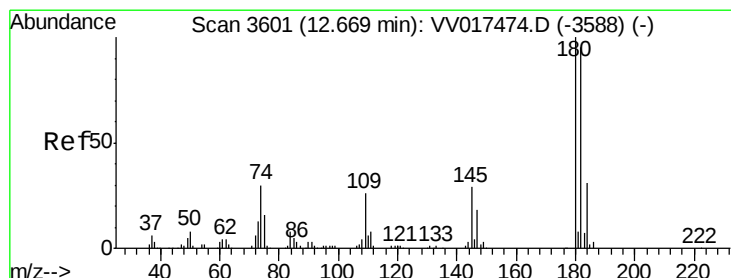
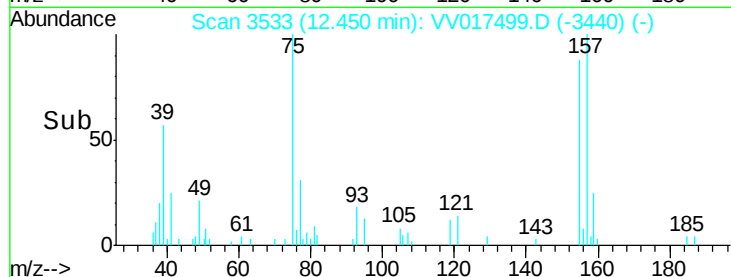
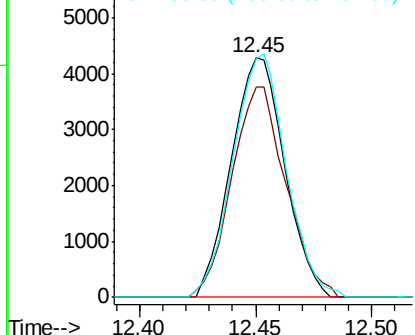
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.853 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tot Ion: 75 Resp: 6853
 Ion Ratio Lower Upper
 75 100
 155 87.5 67.5 101.3
 157 99.6 92.5 138.7

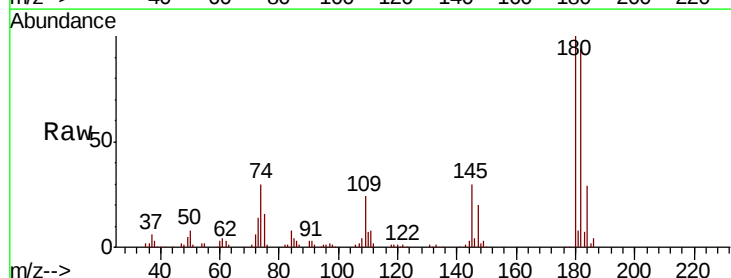


Abundance Ion 75.05 (74.75 to 75.75): VV017499.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV017499.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV017499.D (-3440) (-)

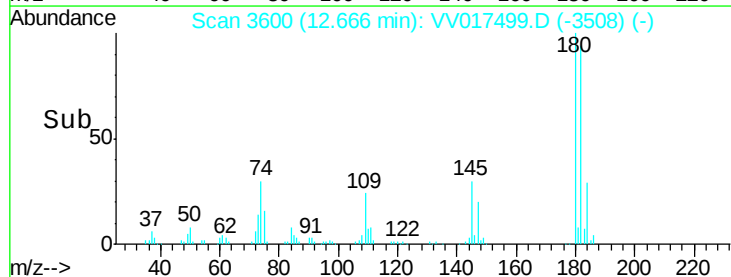
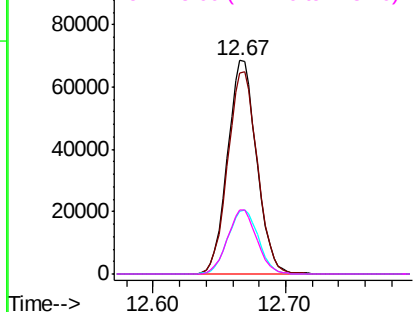


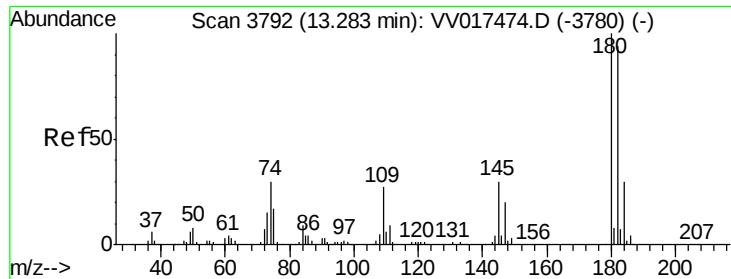
#68
 1,3,5-Trichlorobenzene
 Concen: 5.086 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion: 180 Resp: 104605
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 31.3 24.3 36.5
 145 30.2 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): VV017499.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV017499.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV017499.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV017499.D (-3508) (-)

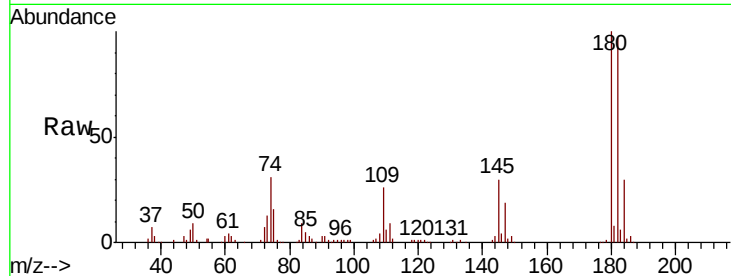




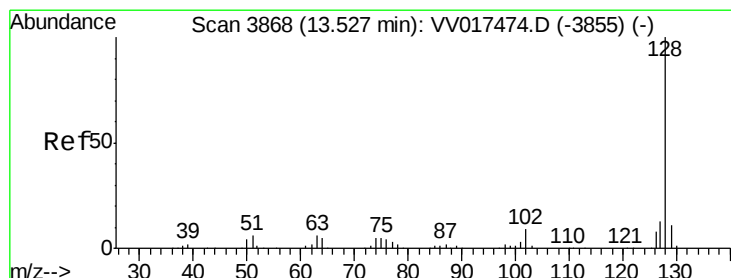
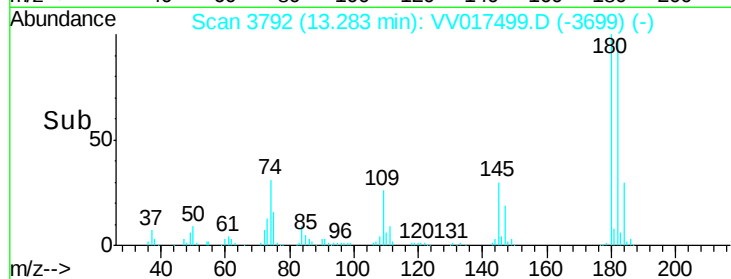
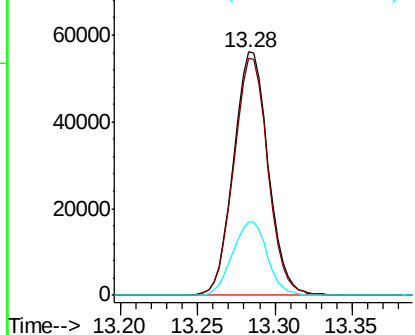
#69
 1,2,4-trichlorobenzene
 Concen: 5.164 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	30.2	24.5	36.7

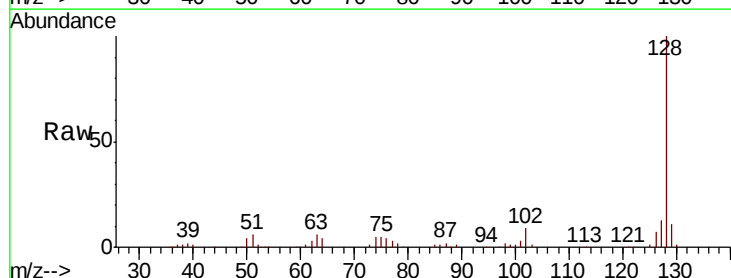


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

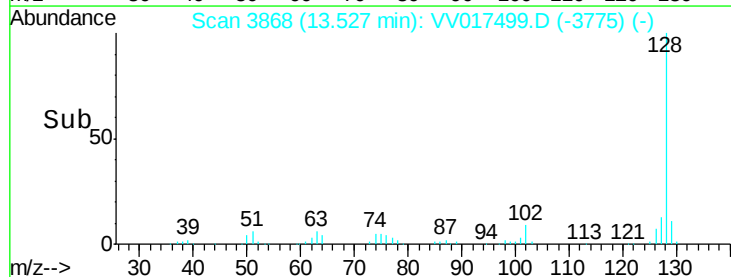
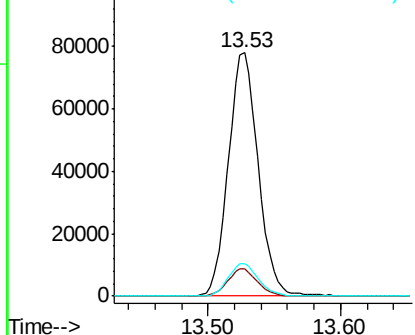


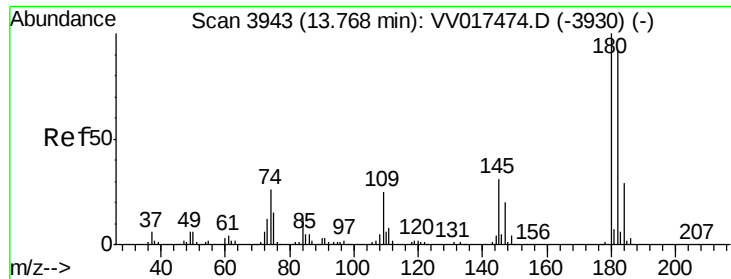
#70
 Naphthalene
 Concen: 5.125 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.5	12.7
127	13.5	10.6	15.8



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





#71
 1,2,3-Trichlorobenzene
 Concen: 5.206 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017499.D
 Acq: 15 Jul 2020 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tot Ion:180 Resp: 75843
 Ion Ratio Lower Upper
 180 100
 182 97.7 74.0 111.0
 145 33.2 26.0 39.0

