

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017314.D
 Acq On : 02 Jul 2020 18:07
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Quant Time: Jul 03 01:19:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	170692	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	162733	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	90237	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43360	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.58	69	36315	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.13	63	95002	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.93	46	111920	42.87	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.74%
24) Chloroform-d	4.37	84	105024	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	55691	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.07	84	188043	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.09	67	54048	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.60%
41) Toluene-d8	7.33	98	181626	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
45) trans-1,3-Dichloropropene-	7.64	79	23855	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
48) 2-Hexanone-d5	8.11	63	81696	40.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.46%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38446	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	70987	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	63640	4.670	ug/L 99
3) Chloromethane	1.25	50	49791	4.312	ug/L 98
5) Vinyl chloride	1.32	62	52856	4.719	ug/L 94
6) Bromomethane	1.53	94	24865	3.809	ug/L 97
8) Chloroethane	1.60	64	32377	5.230	ug/L 98
9) Trichlorofluoromethane	1.77	101	103310	5.696	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48364	5.350	ug/L 96
12) 1,1-Dichloroethene	2.14	96	44787	5.467	ug/L 88
13) Acetone	2.21	43	74867	56.724	ug/L 93
14) Carbon disulfide	2.31	76	125285	5.104	ug/L 99
15) Methyl Acetate	2.45	43	16121	4.996	ug/L 99
16) Methylene chloride	2.52	84	46804	5.335	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	111632	5.427	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	46365	5.341	ug/L 98
19) 1,1-Dichloroethane	3.21	63	100115	5.133	ug/L 99
21) 2-Butanone	4.02	43	116926	46.996	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	56801	4.785	ug/L 97

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 Data File : VV017314.D
 Acq On : 02 Jul 2020 18:07
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Quant Time: Jul 03 01:19:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

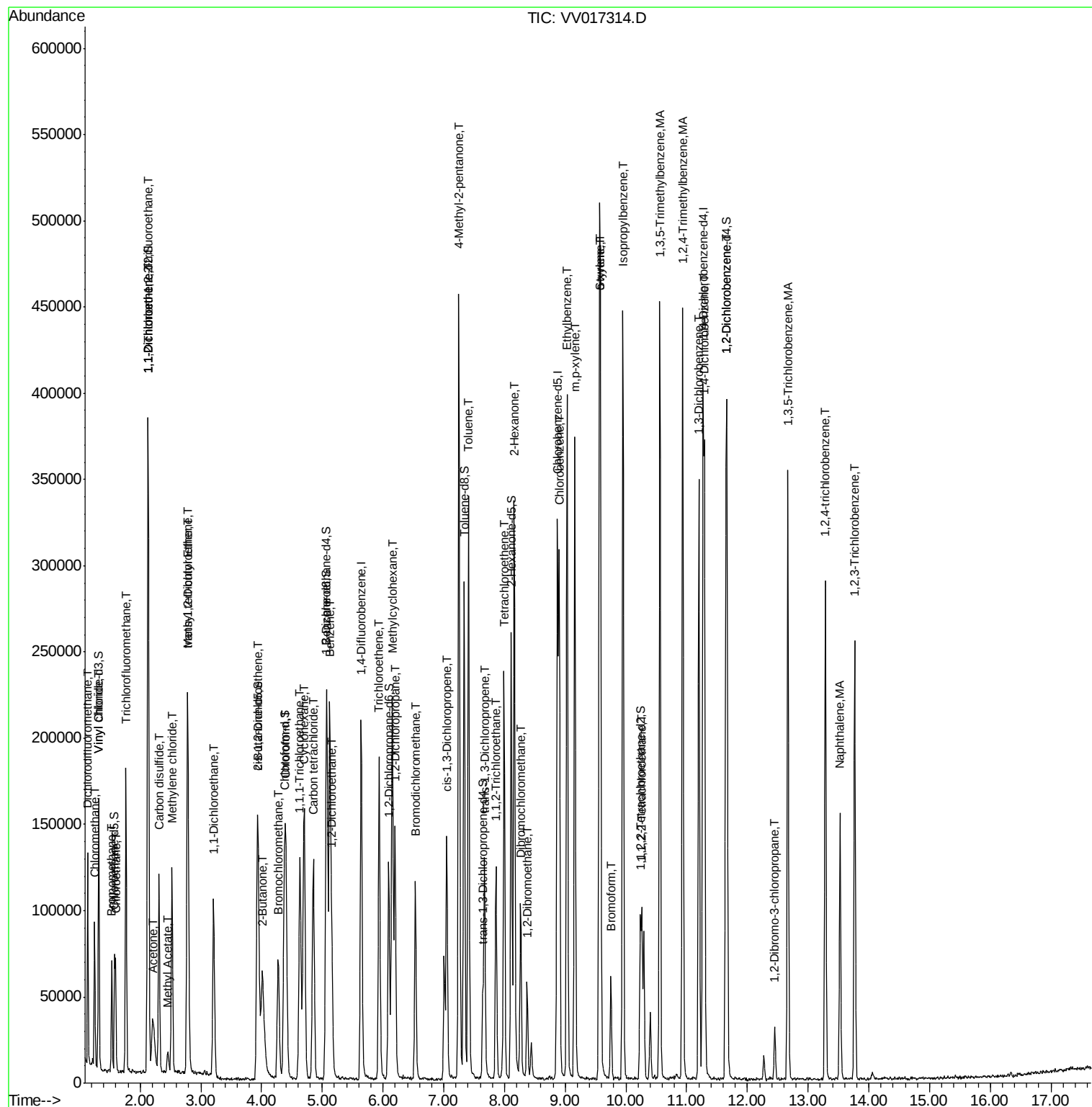
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	25021	4.960	ug/L	93
25) Chloroform	4.40	83	108437	5.090	ug/L	99
27) 1,2-Dichloroethane	5.16	62	67252	5.081	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	103068	5.286	ug/L	99
30) Cyclohexane	4.70	56	80986	4.365	ug/L	96
31) Carbon tetrachloride	4.85	117	94534	5.374	ug/L	98
33) Benzene	5.12	78	205445	4.821	ug/L	100
34) Trichloroethene	5.94	95	61124	4.898	ug/L	96
35) Methylcyclohexane	6.15	83	89501	4.614	ug/L	98
37) 1,2-Dichloropropane	6.20	63	49613	4.703	ug/L	99
38) Bromodichloromethane	6.53	83	73122	5.103	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	76099	4.855	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	283045	46.468	ug/L	98
42) Toluene	7.41	91	232576	4.694	ug/L	96
43) 1,3,5-Trimethylbenzene	10.56	105	228759	5.163	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	234477	5.197	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	66364	4.895	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	35976	4.808	ug/L	99
49) Tetrachloroethene	7.99	164	50822	5.060	ug/L	99
50) 2-Hexanone	8.16	43	202733	46.769	ug/L	98
51) Dibromochloromethane	8.27	129	48344	5.330	ug/L	100
52) 1,2-Dibromoethane	8.37	107	34567	4.871	ug/L #	94
53) Chlorobenzene	8.90	112	151771	4.914	ug/L	99
54) Ethylbenzene	9.03	91	261222	4.939	ug/L	99
55) m,p-xylene	9.16	106	102020	4.918	ug/L	98
56) o-xylene	9.56	106	96344	4.977	ug/L	99
57) Styrene	9.58	104	163818	5.107	ug/L	99
58) Isopropylbenzene	9.95	105	272516	5.116	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	38664	4.996	ug/L	93
62) Bromoform	9.75	173	26617	5.513	ug/L	95
63) 1,3-Dichlorobenzene	11.20	146	133817	4.926	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	128697	4.661	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	116796	4.737	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	7101	5.207	ug/L #	86
68) 1,3,5-Trichlorobenzene	12.67	180	104541	4.790	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	85442	4.755	ug/L	99
70) Naphthalene	13.53	128	119788	4.721	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	73792	5.035	ug/L	99

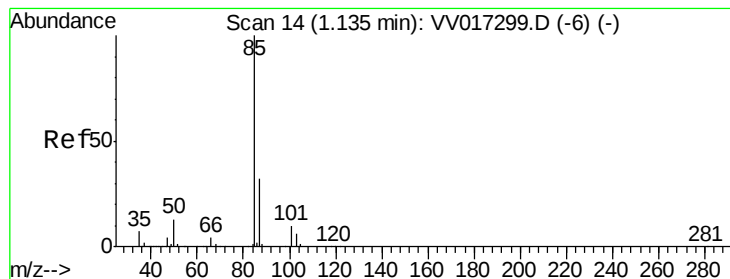
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV017314.D
Acq On : 02 Jul 2020 18:07
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
Client Sample Id :
VSTD00545

Quant Time: Jul 03 01:19:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.670 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

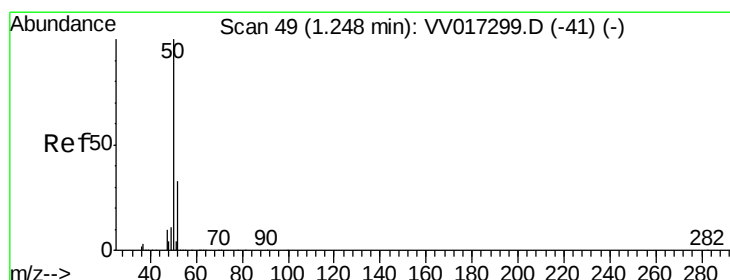
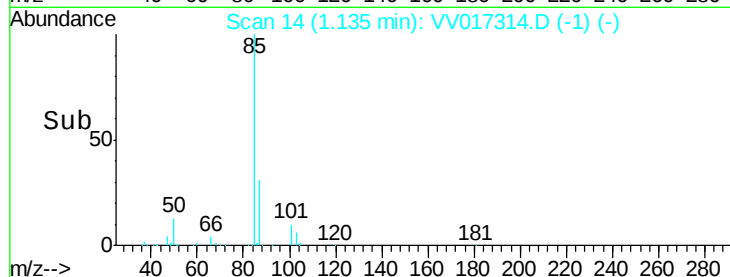
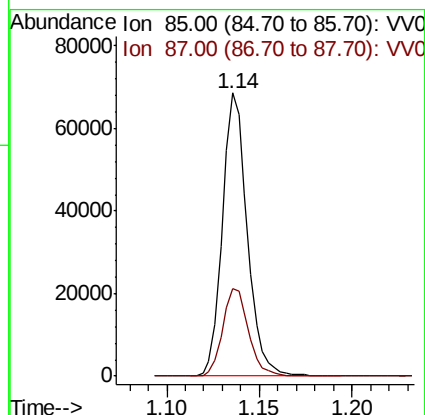
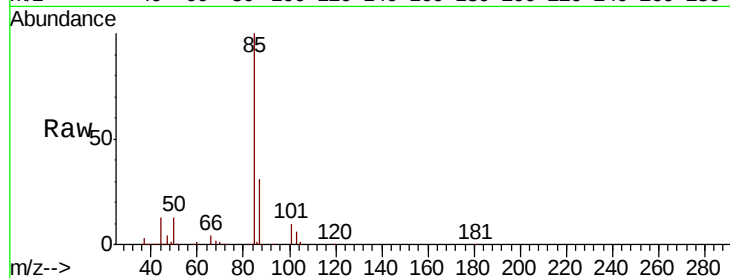
VSTD00545

Tot Ion: 85 Resp: 63640

Ion Ratio Lower Upper

85 100

87 32.3 26.3 39.5



#3

Chloromethane

Concen: 4.312 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017314.D

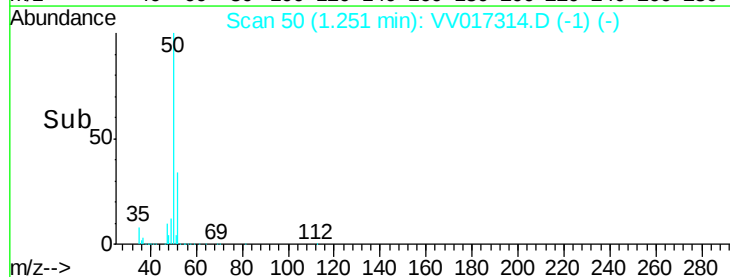
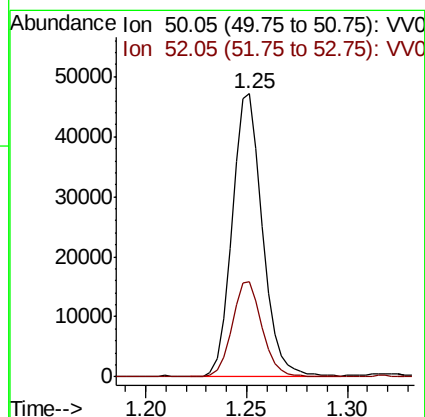
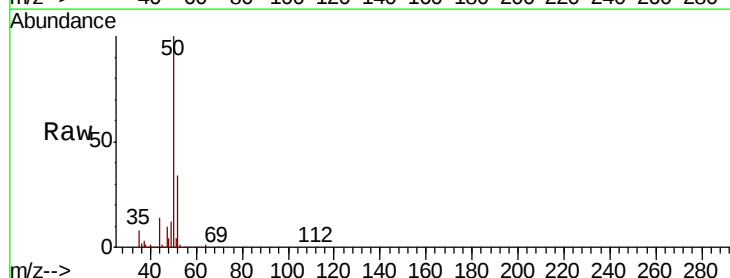
Acq: 02 Jul 2020 18:07

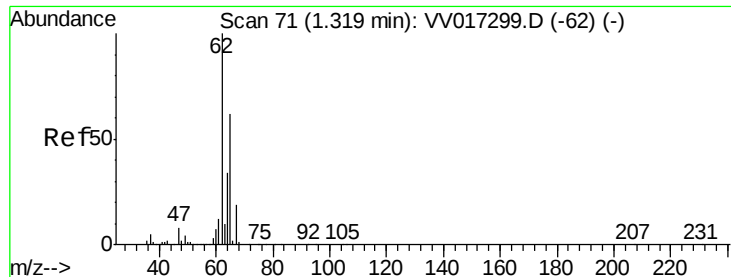
Tgt Ion: 50 Resp: 49791

Ion Ratio Lower Upper

50 100

52 33.5 22.5 41.9





#5

Vinyl chloride

Concen: 4.719 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

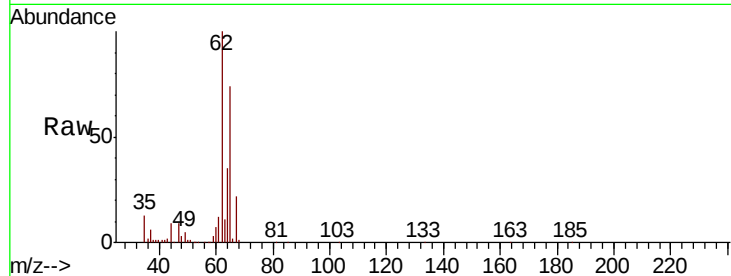
VSTD00545

Tot Ion: 62 Resp: 52856

Ion Ratio Lower Upper

62 100

64 35.3 22.5 41.7

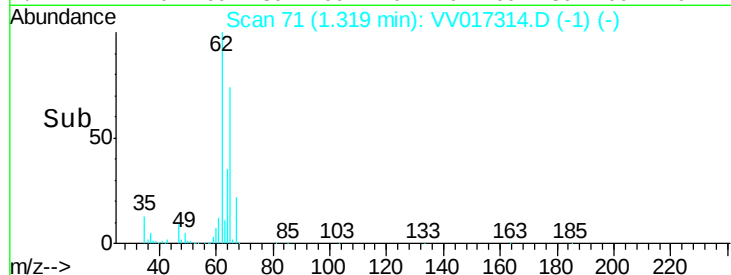


Abundance Ion 62.00 (61.70 to 62.70): VV017314.D (-62) (-)

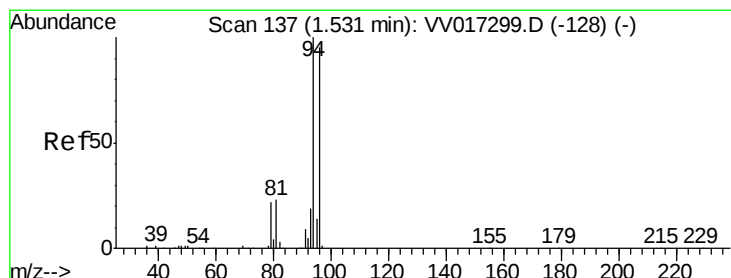
Ion 64.10 (63.80 to 64.80): VV017314.D (-62) (-)

1.32

Time-->



Time-->



#6

Bromomethane

Concen: 3.809 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017314.D

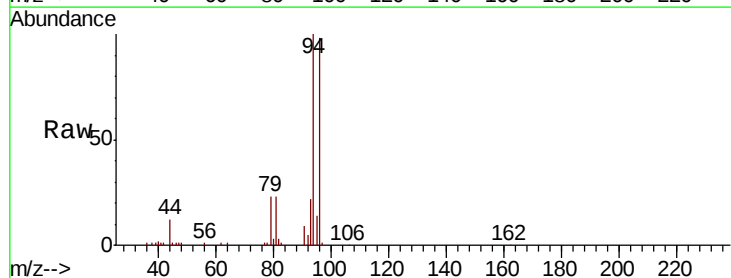
Acq: 02 Jul 2020 18:07

Tgt Ion: 94 Resp: 24865

Ion Ratio Lower Upper

94 100

96 97.8 66.2 123.0

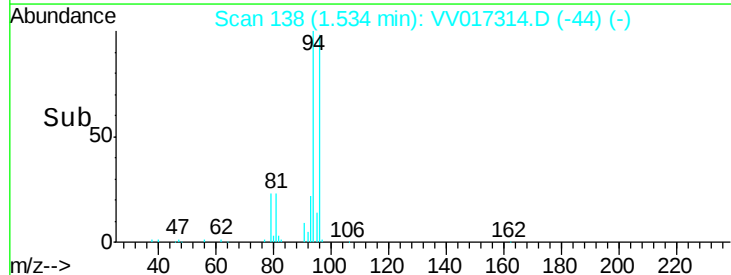


Abundance Ion 94.00 (93.70 to 94.70): VV017314.D (-128) (-)

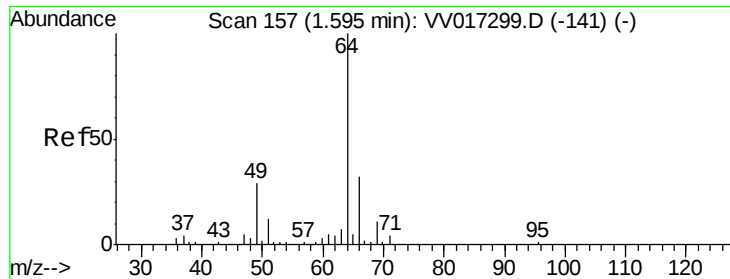
Ion 96.00 (95.70 to 96.70): VV017314.D (-128) (-)

1.53

Time-->



Time-->



#8

Chloroethane

Concen: 5.230 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

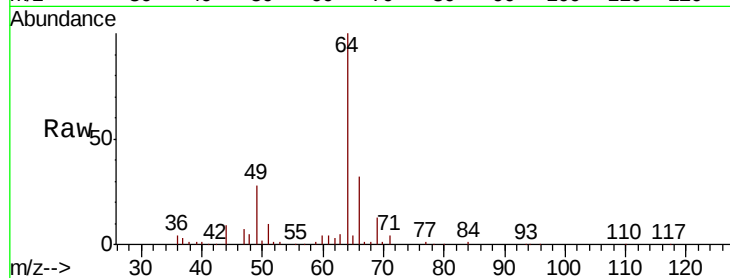
VSTD00545

Tot Ion: 64 Resp: 32377

Ion Ratio Lower Upper

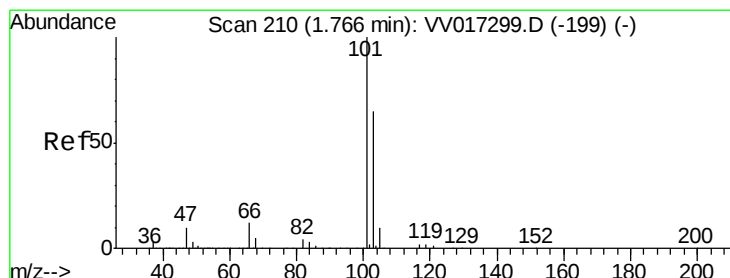
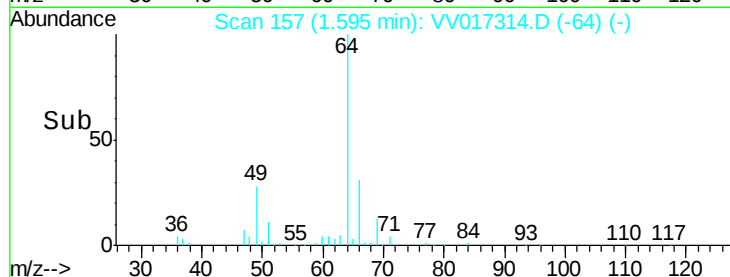
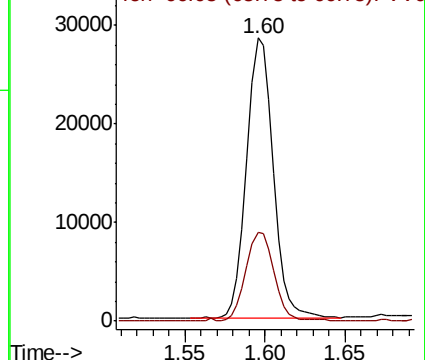
64 100

66 31.5 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017314.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV017314.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.696 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017314.D

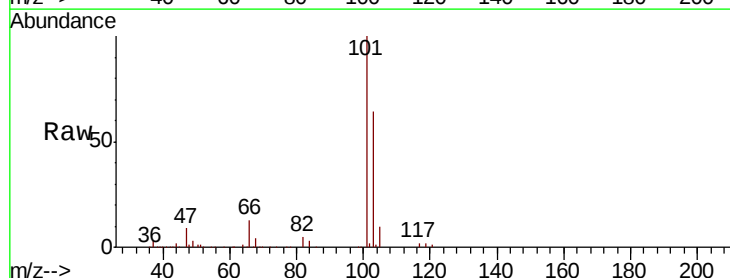
Acq: 02 Jul 2020 18:07

Tgt Ion: 101 Resp: 103310

Ion Ratio Lower Upper

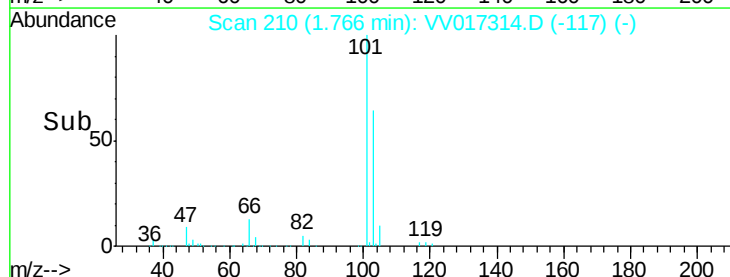
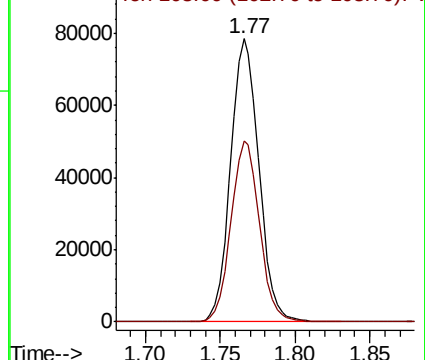
101 100

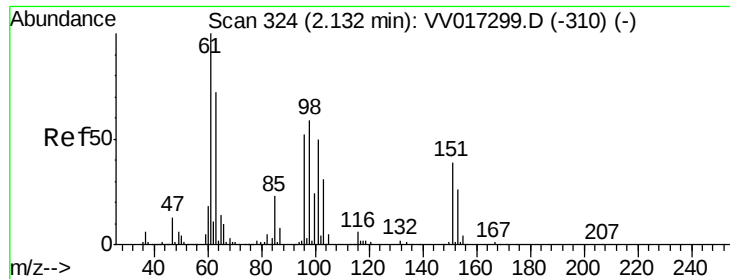
103 64.3 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV017314.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV017314.D (-103) (-)





#10

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

Concen: 5.350 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

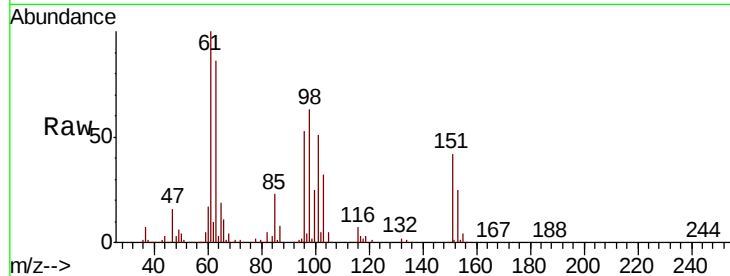
Tot Ion:101 Resp: 48364

Ion Ratio Lower Upper

101 100

85 46.8 35.4 53.2

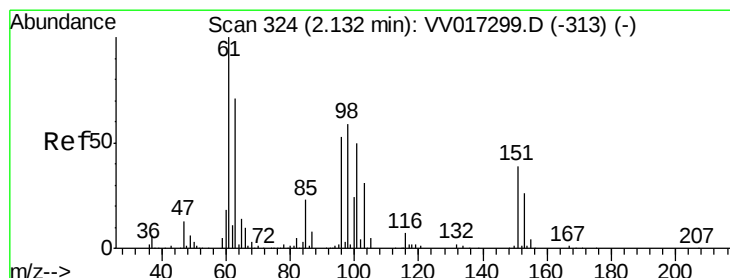
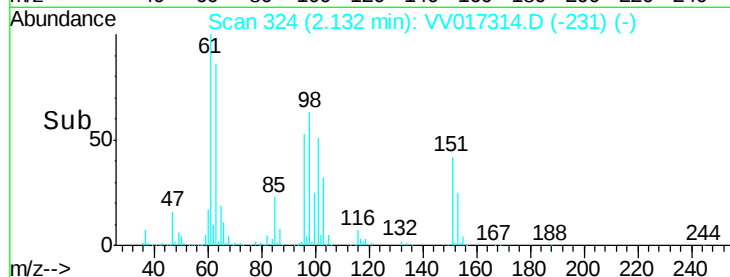
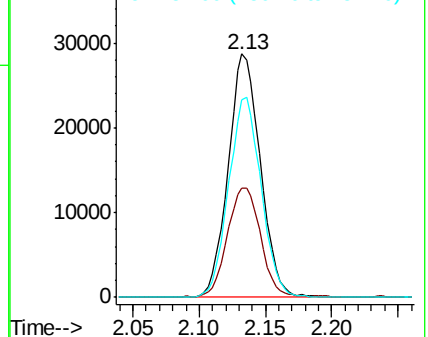
151 83.3 63.9 95.9



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: 5.467 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

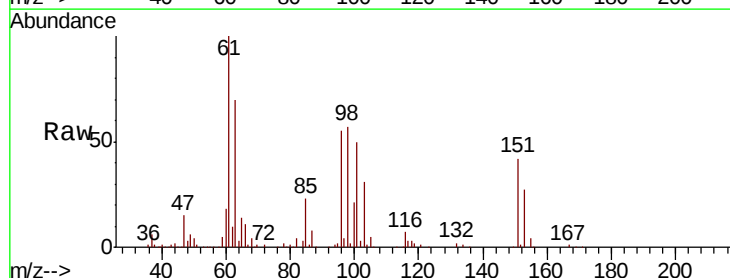
Tgt Ion: 96 Resp: 44787

Ion Ratio Lower Upper

96 100

61 182.2 125.0 232.2

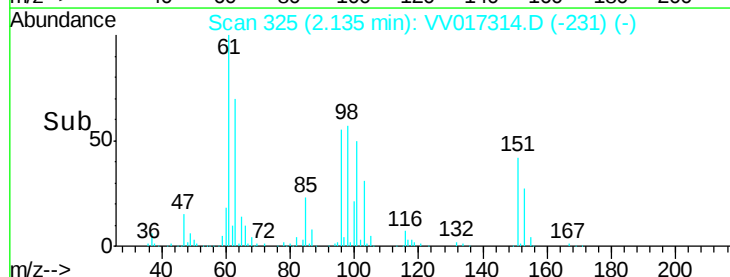
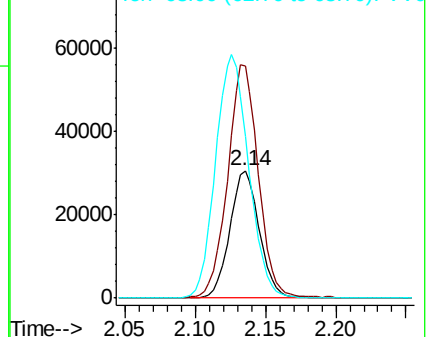
63 127.4 109.8 203.8

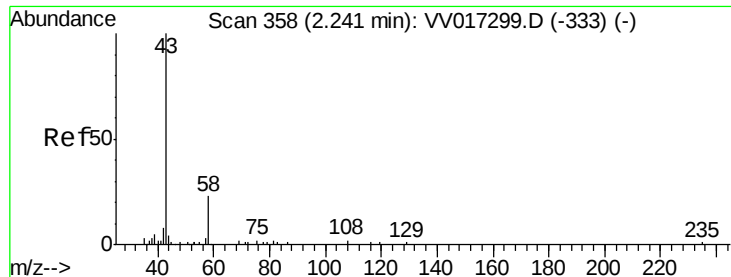


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.724 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.03 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

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MSVOA_V

ClientSampleId :

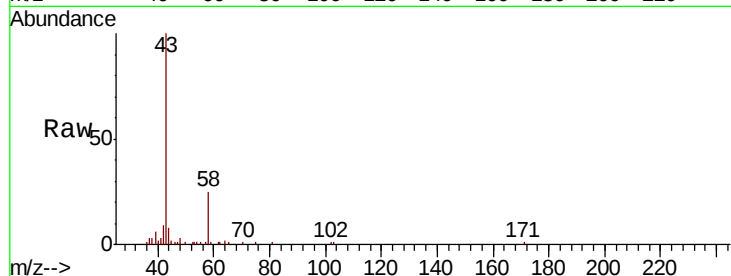
VSTD00545

Tot Ion: 43 Resp: 74867

Ion Ratio Lower Upper

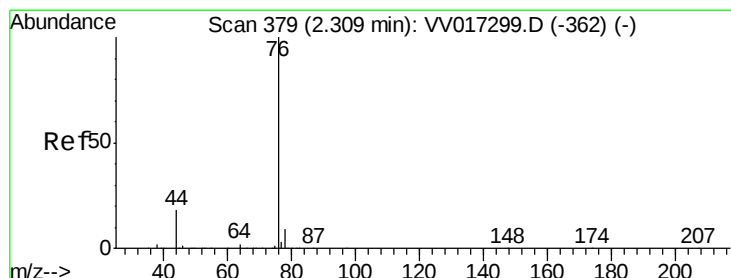
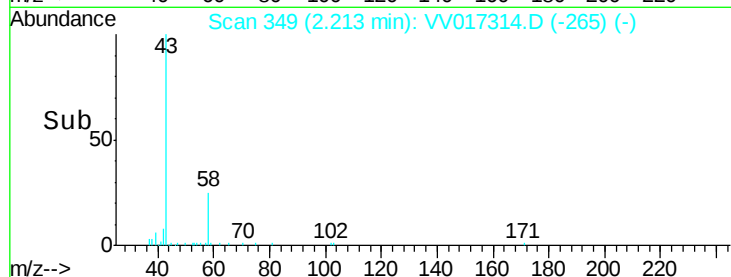
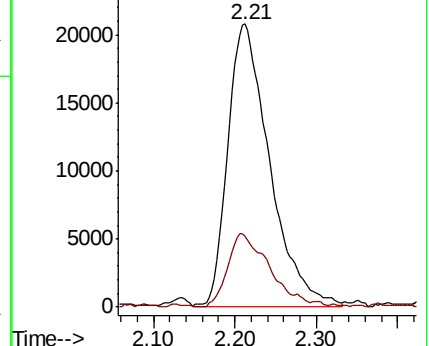
43 100

58 25.6 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.104 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017314.D

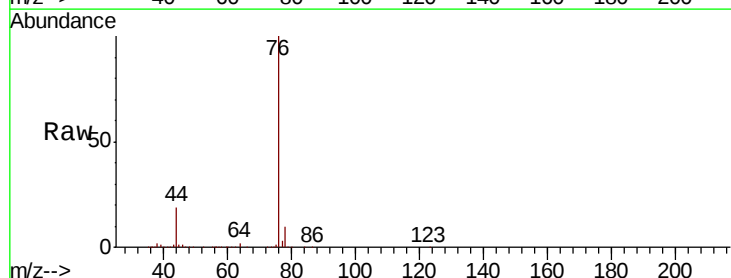
Acq: 02 Jul 2020 18:07

Tgt Ion: 76 Resp: 125285

Ion Ratio Lower Upper

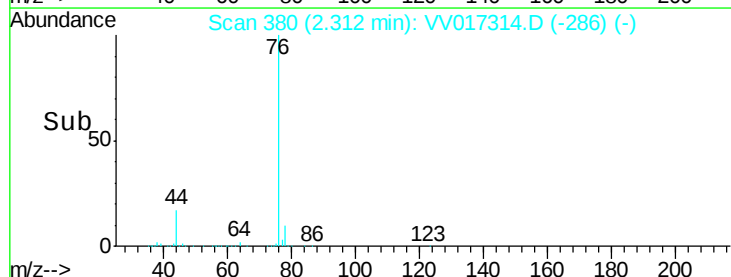
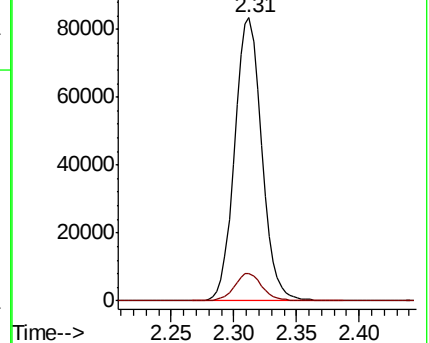
76 100

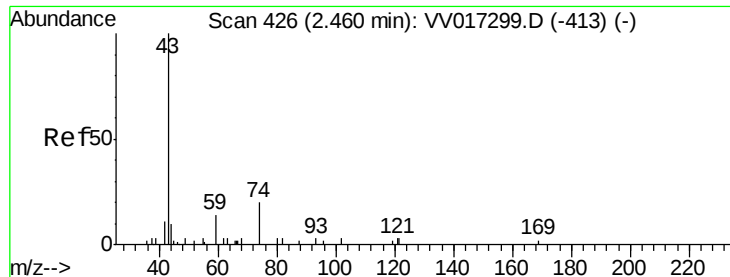
78 9.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

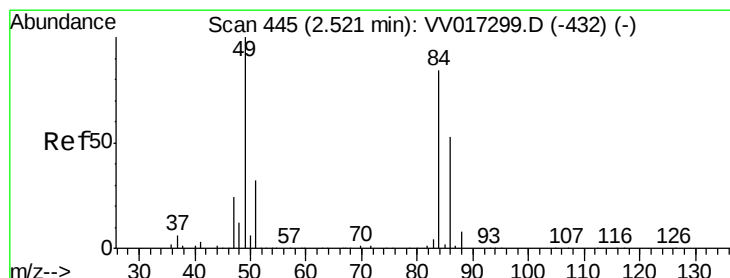
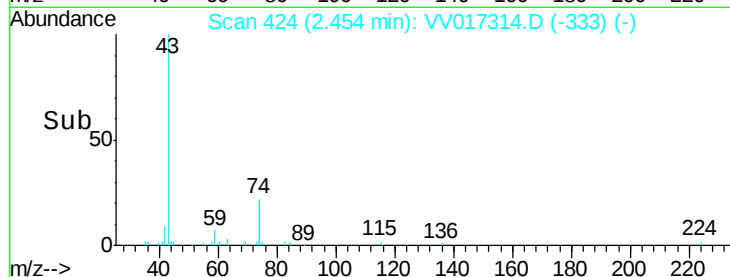
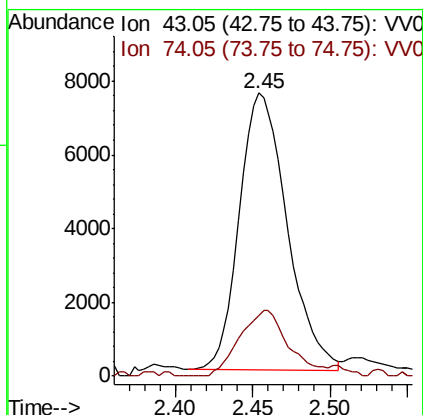
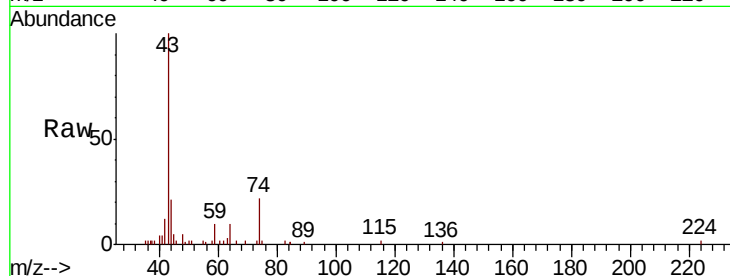




#15
Methvl Acetate
Concen: 4.996 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

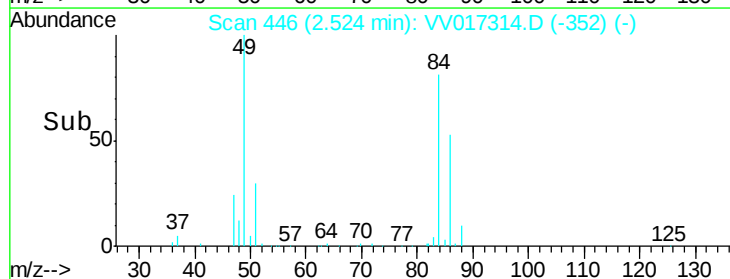
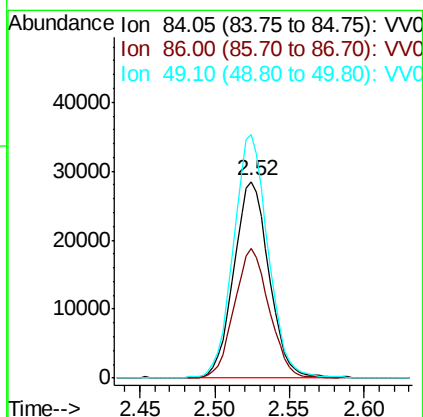
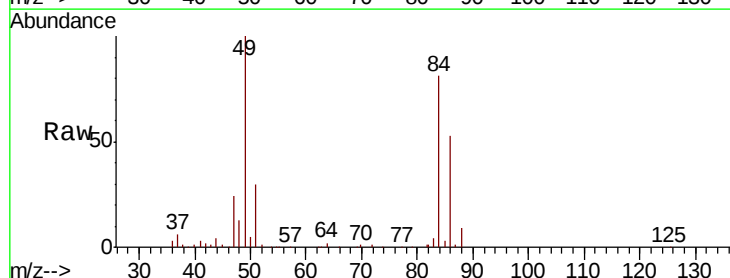
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

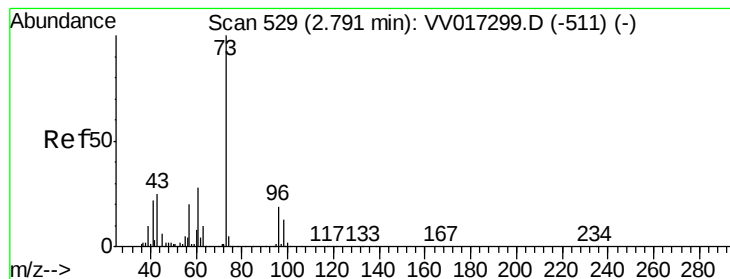
Tot Ion: 43 Resp: 16121
Ion Ratio Lower Upper
43 100
74 24.4 19.1 28.7



#16
Methylene chloride
Concen: 5.335 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

Tgt Ion: 84 Resp: 46804
Ion Ratio Lower Upper
84 100
86 65.7 45.8 85.0
49 123.9 89.6 166.4



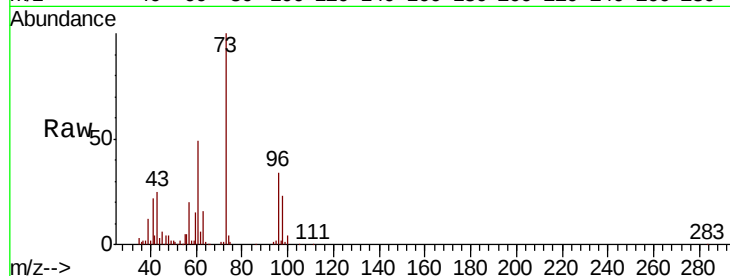


#17

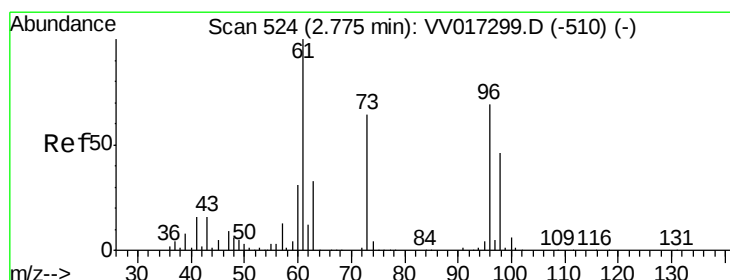
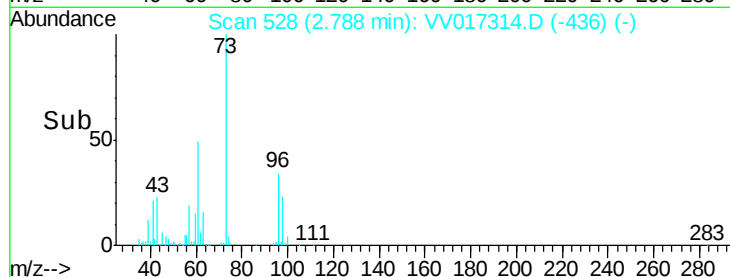
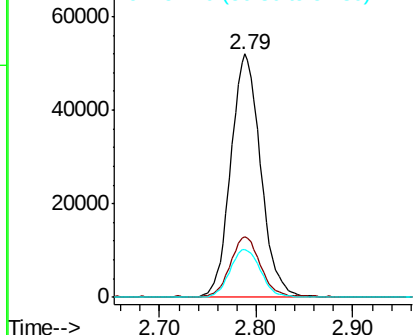
Methvl tert-butvl Ether
 Concen: 5.427 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tot Ion	73	Resp	111632
Ion Ratio	Lower	Upper	
73	100		
43	25.4	18.6	28.0
57	20.2	16.4	24.6



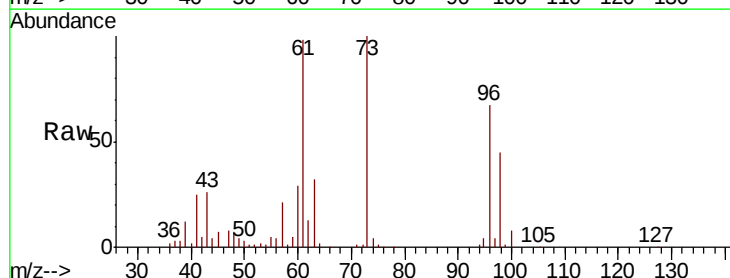
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



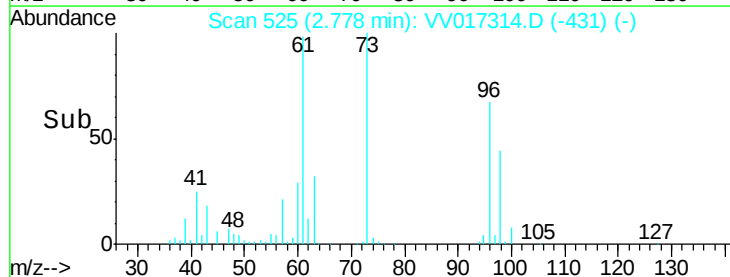
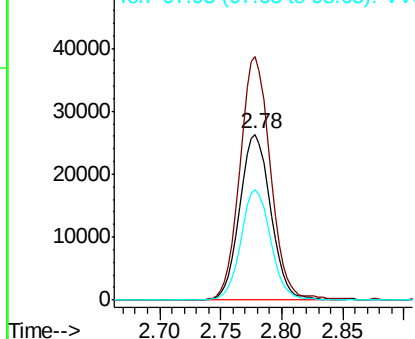
#18

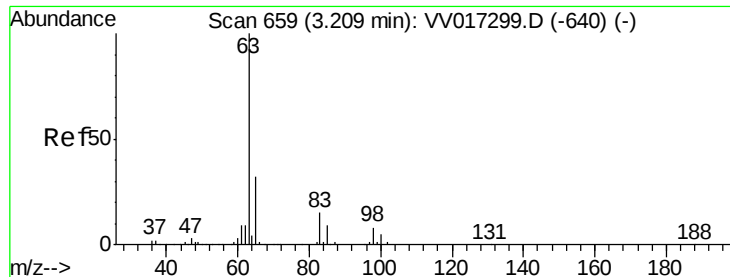
trans-1,2-Dichloroethene
 Concen: 5.341 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion	96	Resp	46365
Ion Ratio	Lower	Upper	
96	100		
61	147.1	102.3	189.9
98	66.7	44.7	82.9



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

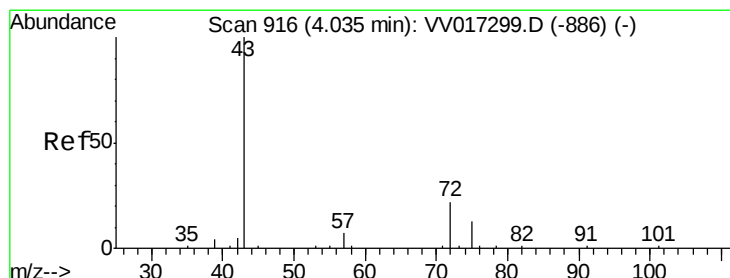
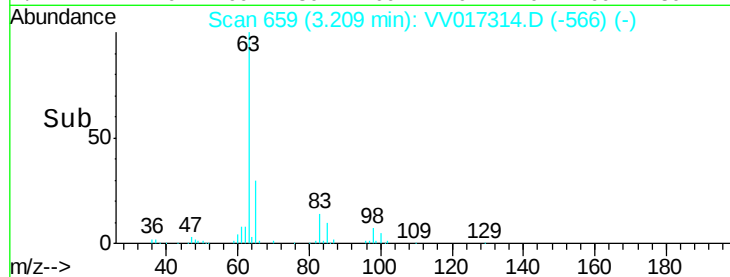
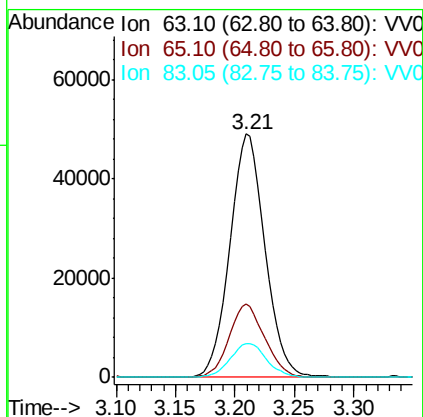
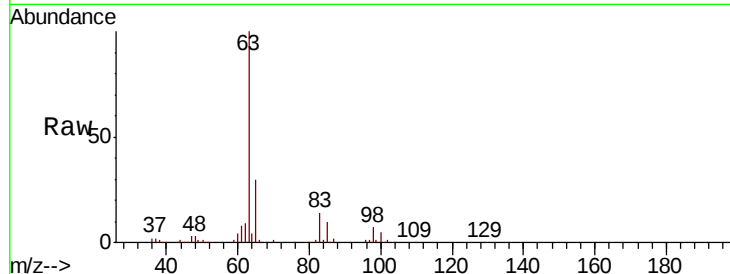




#19
 1,1-Dichloroethane
 Concen: 5.133 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

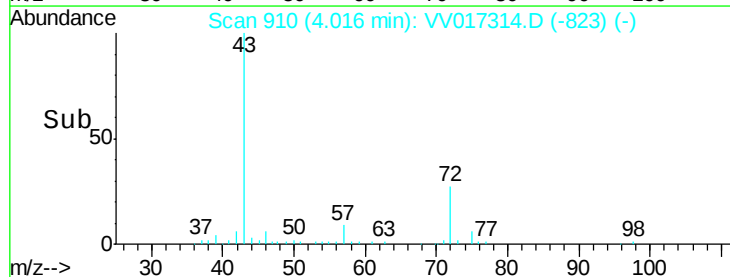
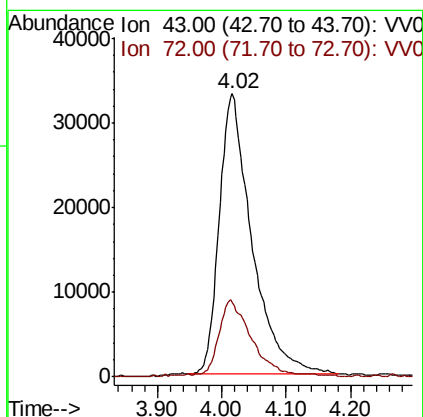
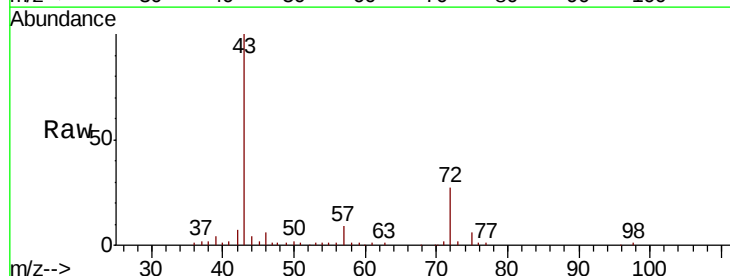
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

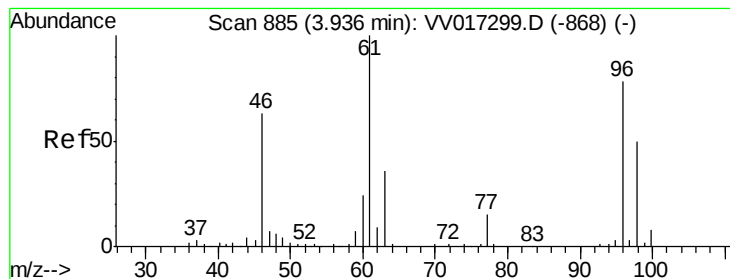
Tot Ion	63	Resp	100115
Ion Ratio	Lower	Upper	
63	100		
65	30.3	21.8	40.4
83	13.9	9.7	17.9



#21
 2-Butanone
 Concen: 46.996 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion	43	Resp	116926
Ion Ratio	Lower	Upper	
43	100		
72	25.2	12.4	37.4



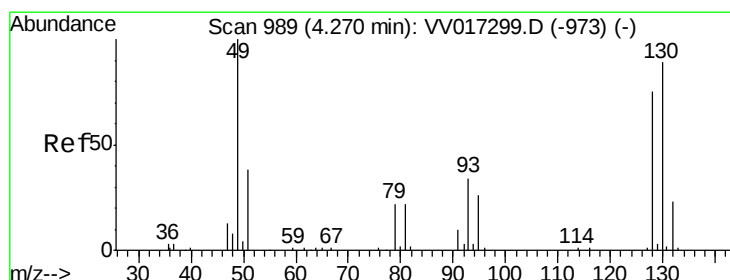
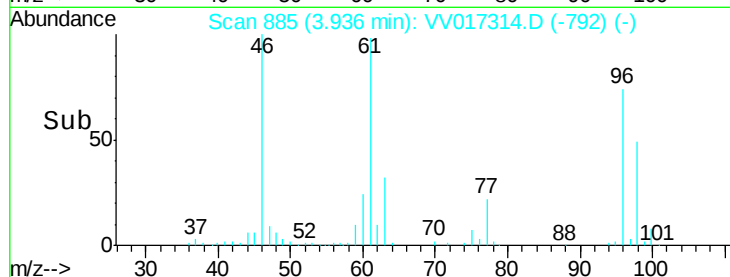
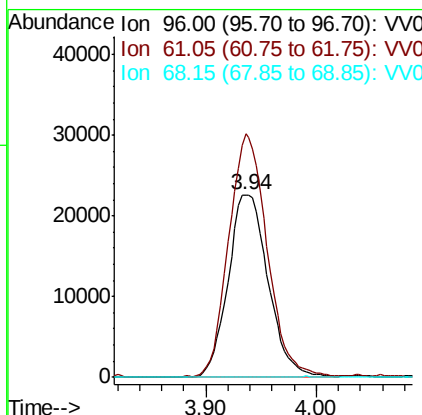
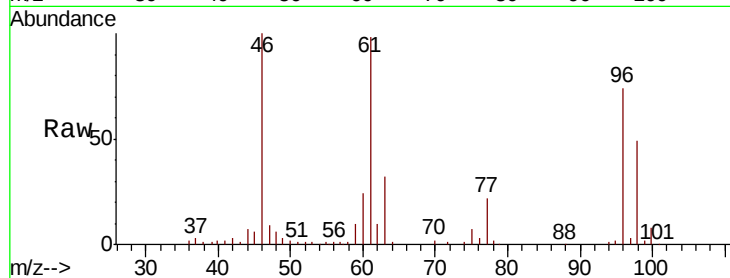


#22

cis-1,2-Dichloroethene
 Concen: 4.785 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

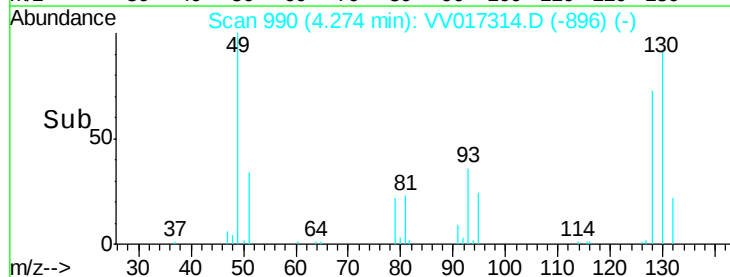
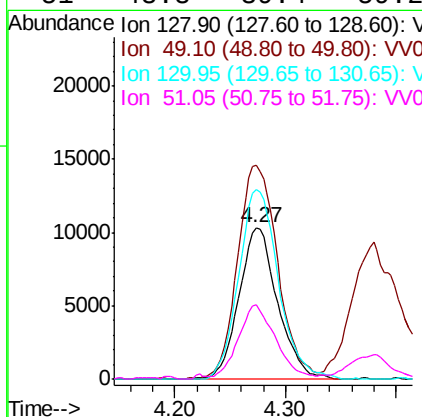
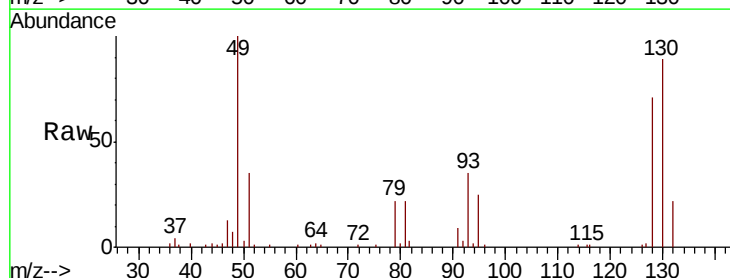
Tot Ion: 96 Resp: 56801
 Ion Ratio Lower Upper
 96 100
 61 133.5 91.0 169.0
 68 0.0 0.0 0.0

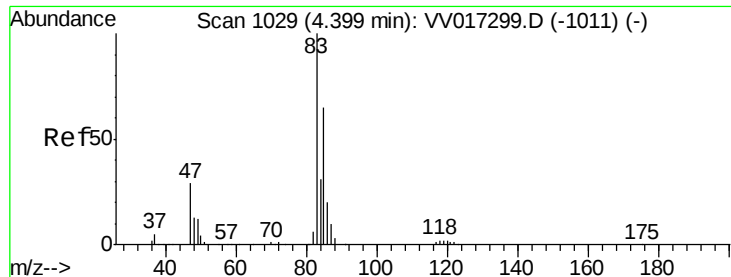


#23

Bromochloromethane
 Concen: 4.960 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion: 128 Resp: 25021
 Ion Ratio Lower Upper
 128 100
 49 140.8 110.8 205.8
 130 125.2 86.0 159.8
 51 48.8 39.4 59.2





#25

Chloroform

Concen: 5.090 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

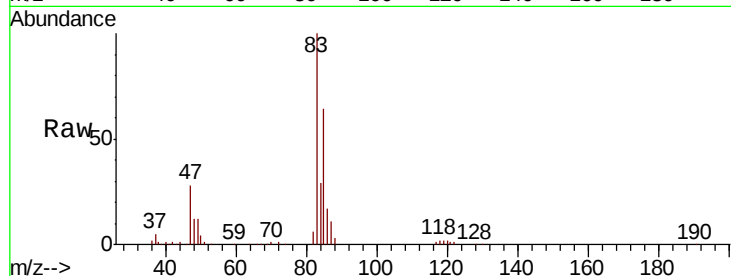
VSTD00545

Tot Ion: 83 Resp: 108437

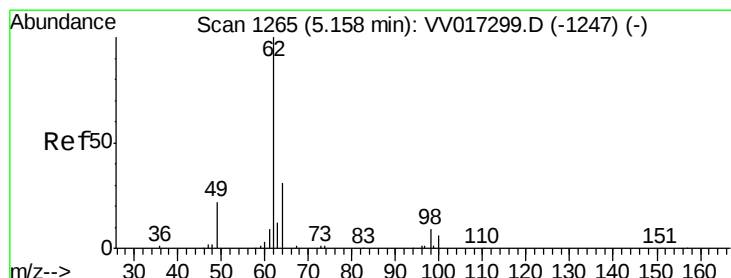
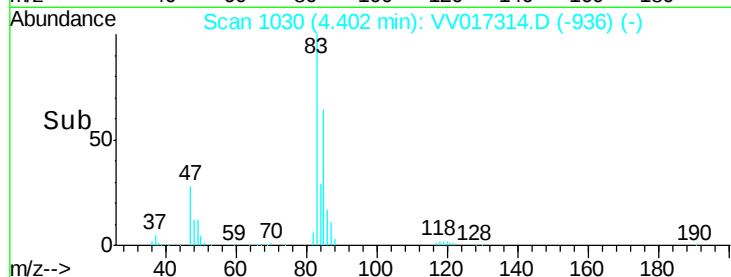
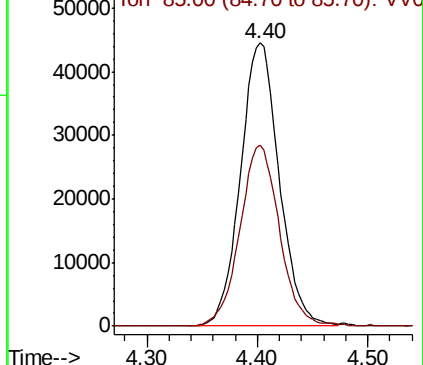
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV017314.D (-936) (-)



#27

1,2-Dichloroethane

Concen: 5.081 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV017314.D

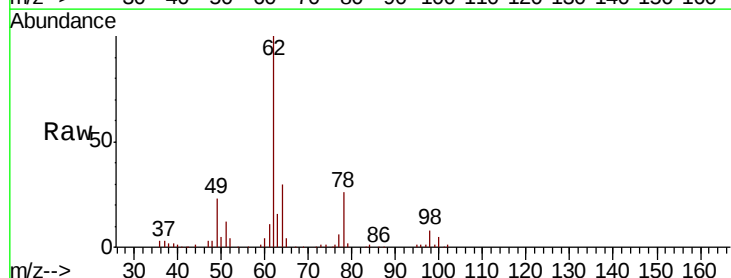
Acq: 02 Jul 2020 18:07

Tgt Ion: 62 Resp: 67252

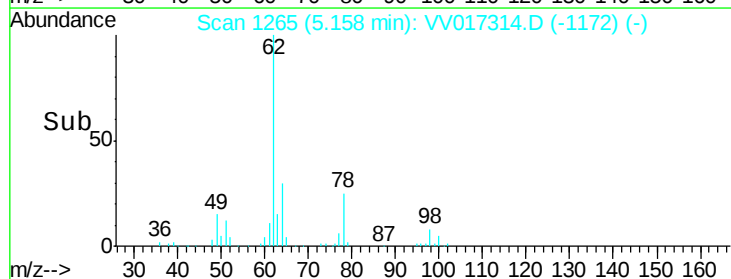
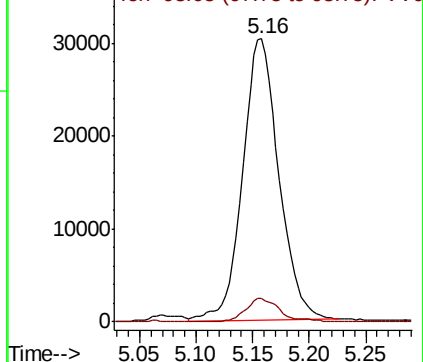
Ion Ratio Lower Upper

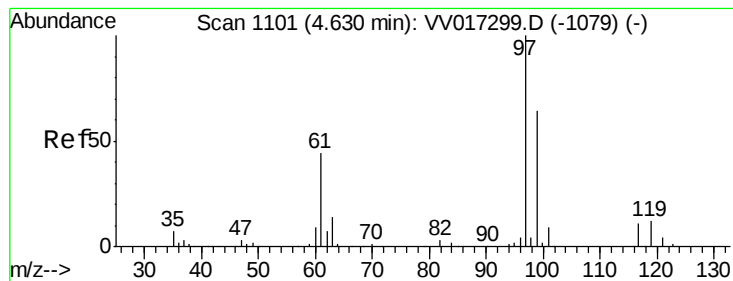
62 100

98 8.2 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV017314.D (-1172) (-)





#29

1,1,1-Trichloroethane

Concen: 5.286 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

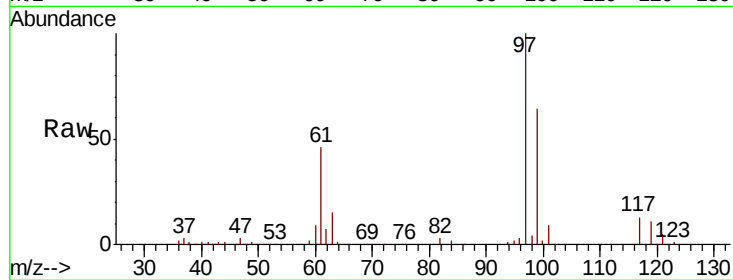
Tot Ion: 97 Resp: 103068

Ion Ratio Lower Upper

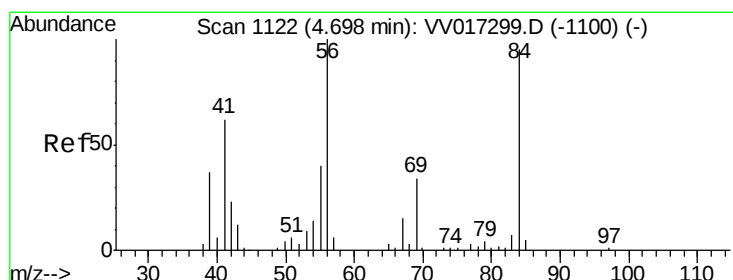
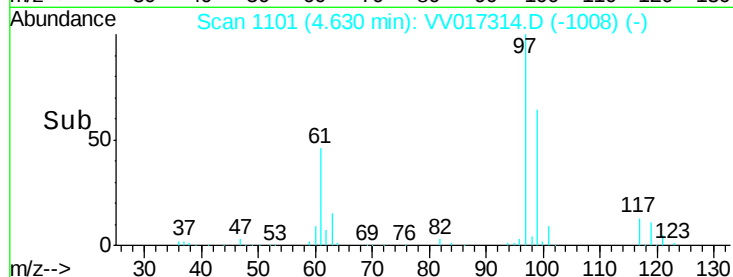
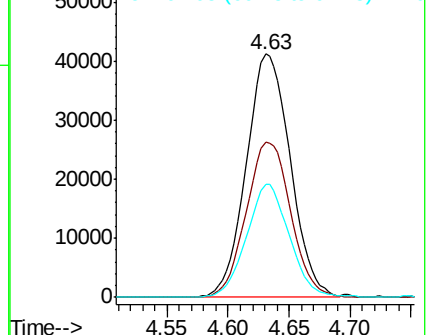
97 100

99 64.4 50.3 75.5

61 45.1 36.0 54.0



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: 4.365 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

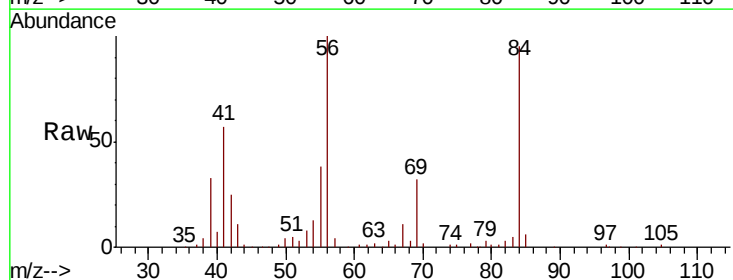
Tgt Ion: 56 Resp: 80986

Ion Ratio Lower Upper

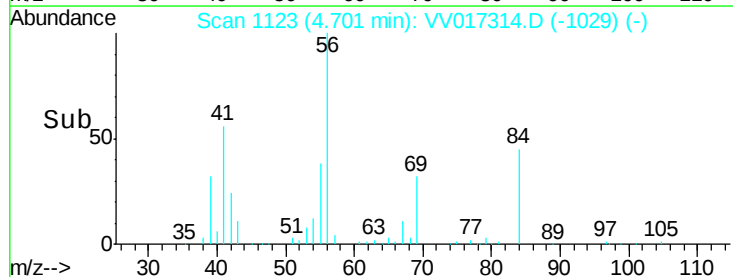
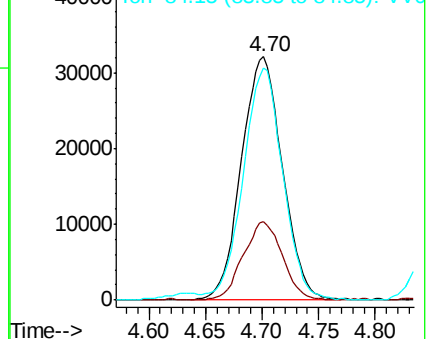
56 100

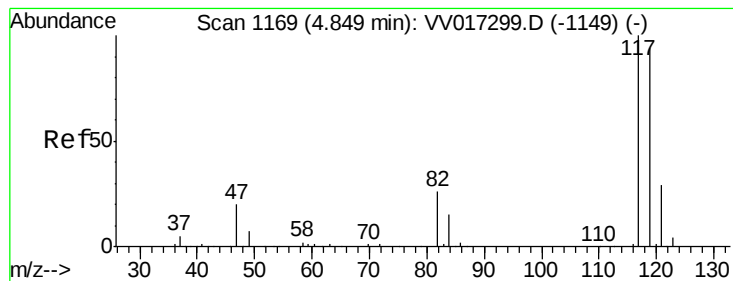
69 30.9 24.4 36.6

84 92.7 69.9 104.9



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: 5.374 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

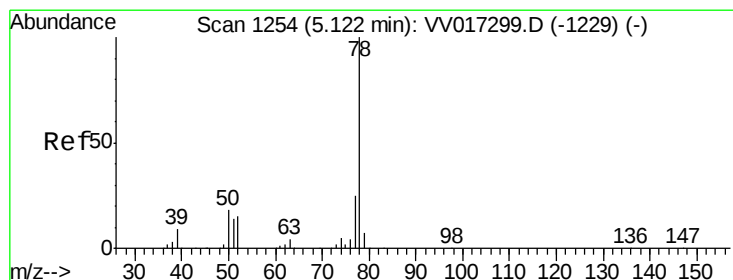
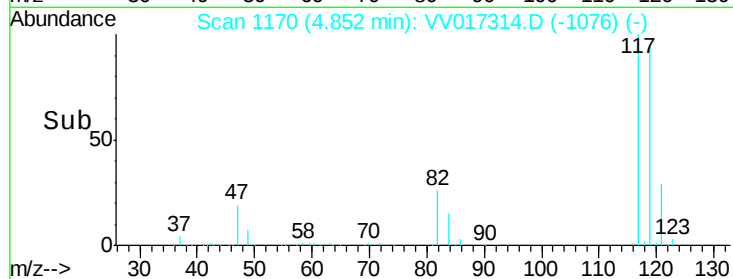
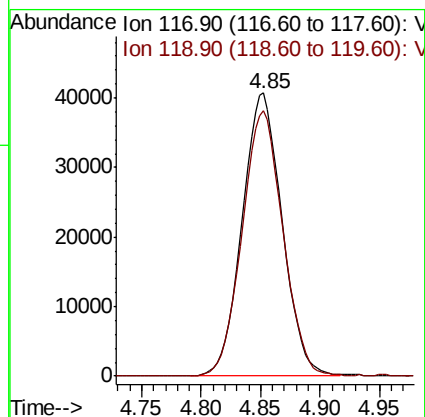
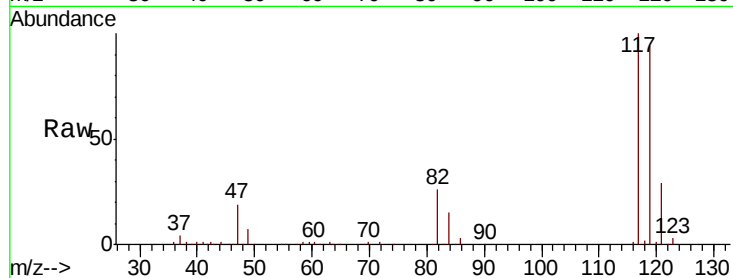
VSTD00545

Tot Ion:117 Resp: 94534

Ion Ratio Lower Upper

117 100

119 95.8 77.8 116.8



#33

Benzene

Concen: 4.821 ug/L

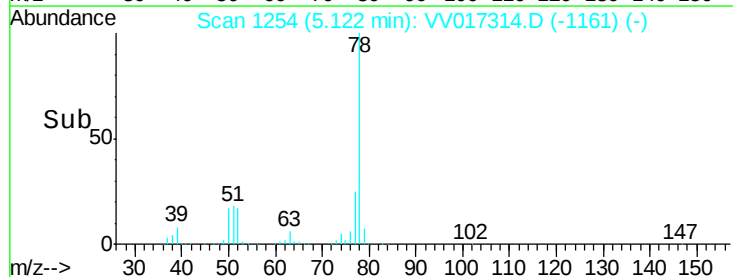
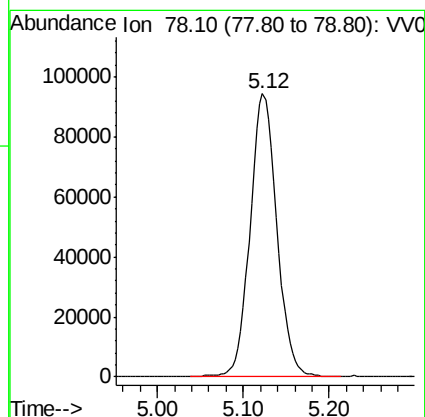
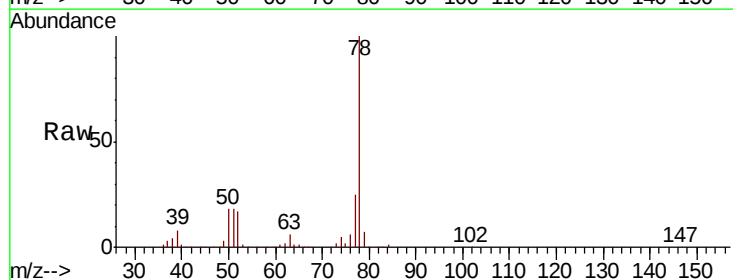
RT: 5.12 min Scan# 1254

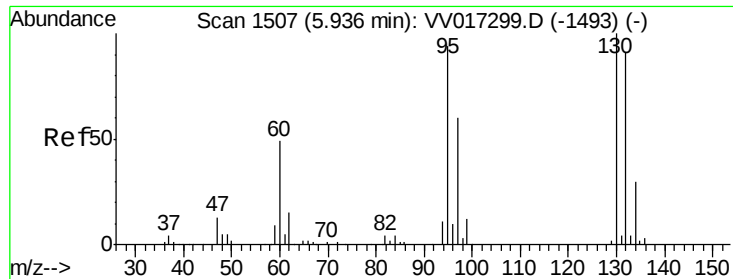
Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Tgt Ion: 78 Resp: 205445

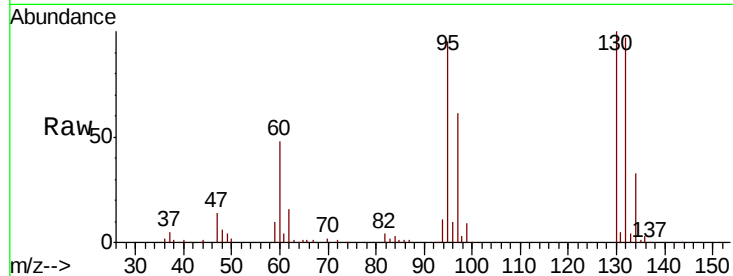




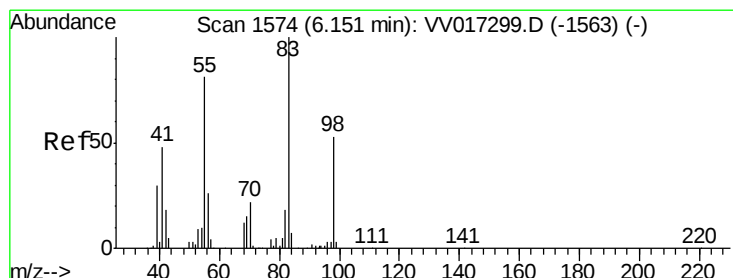
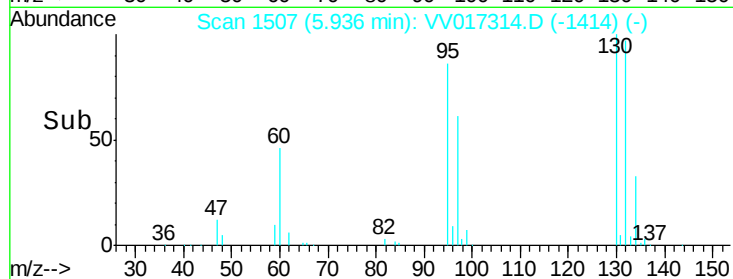
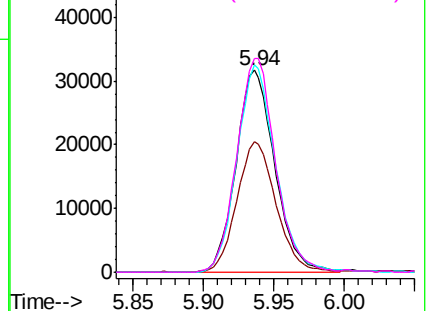
#34
 Trichloroethene
 Concen: 4.898 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tot Ion: 95 Resp: 61124
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.3 84.1
 132 102.8 68.8 127.8
 130 105.7 70.2 130.4

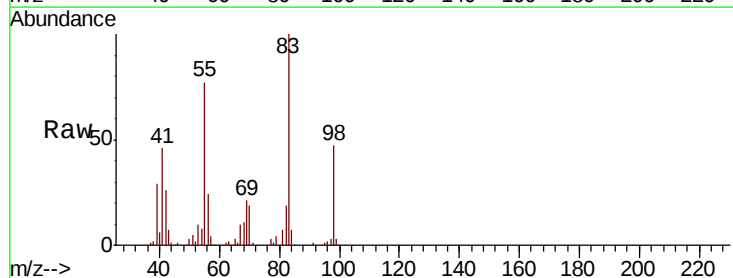


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

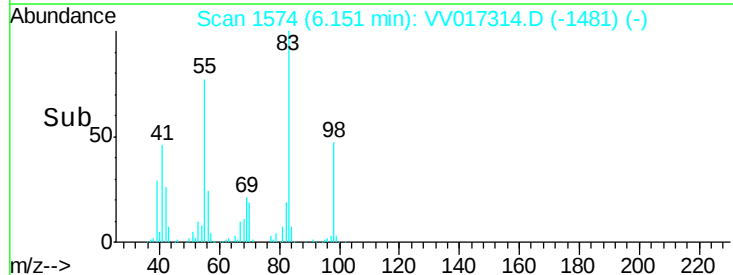
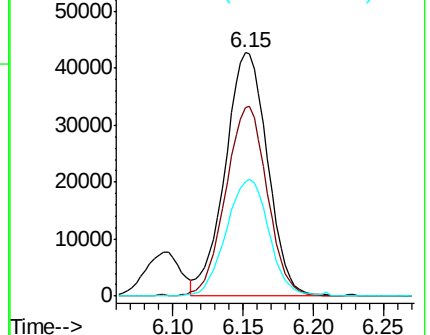


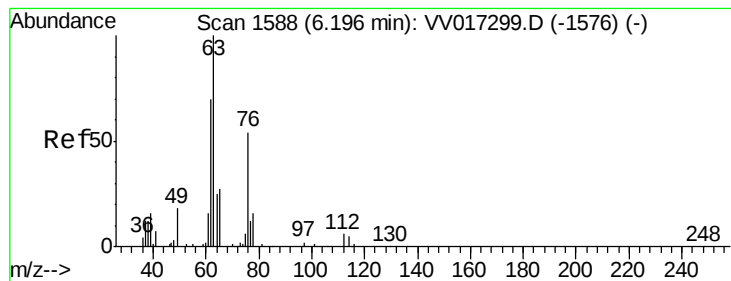
#35
 Methylcyclohexane
 Concen: 4.614 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion: 83 Resp: 89501
 Ion Ratio Lower Upper
 83 100
 55 76.5 63.6 95.4
 98 48.5 38.8 58.2



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: 4.703 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

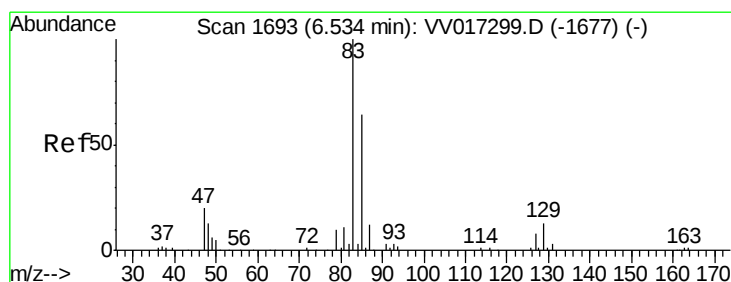
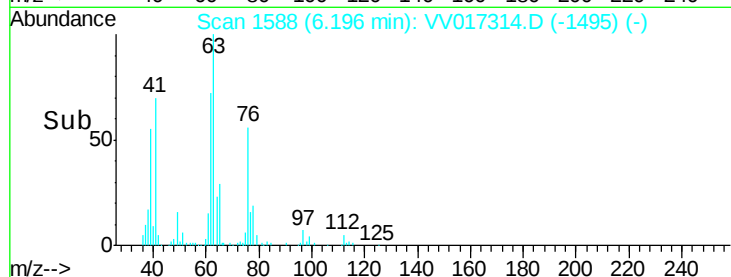
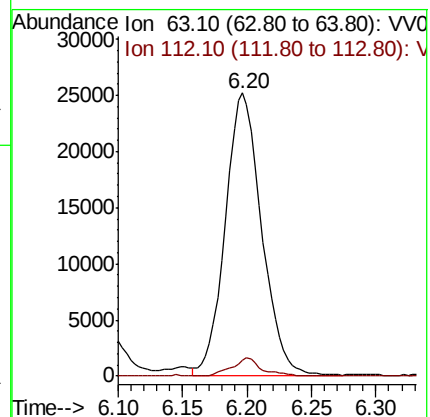
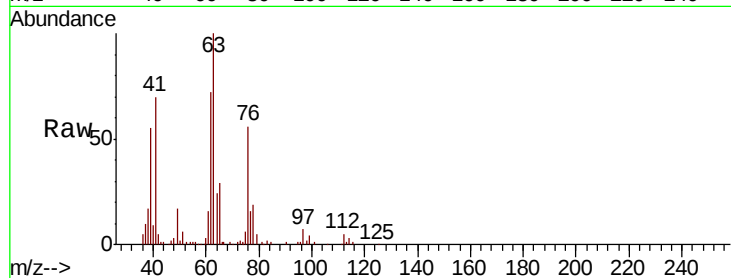
VSTD00545

Tot Ion: 63 Resp: 49613

Ion Ratio Lower Upper

63 100

112 5.2 4.4 6.6



#38

Bromodichloromethane

Concen: 5.103 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

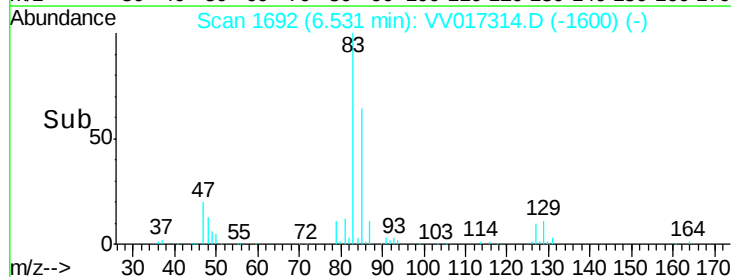
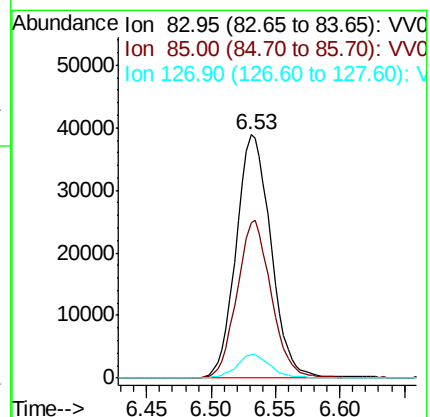
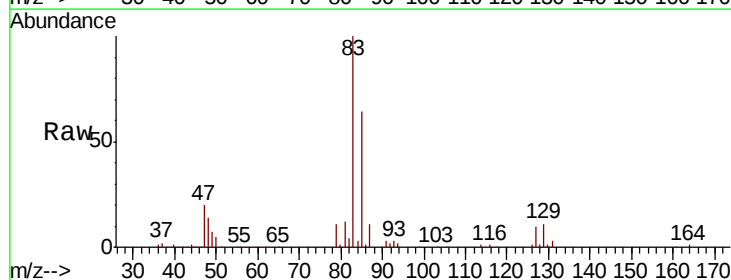
Tgt Ion: 83 Resp: 73122

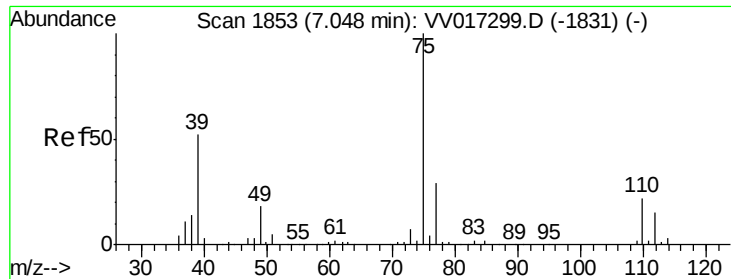
Ion Ratio Lower Upper

83 100

85 63.9 43.4 80.6

127 9.7 7.9 11.9

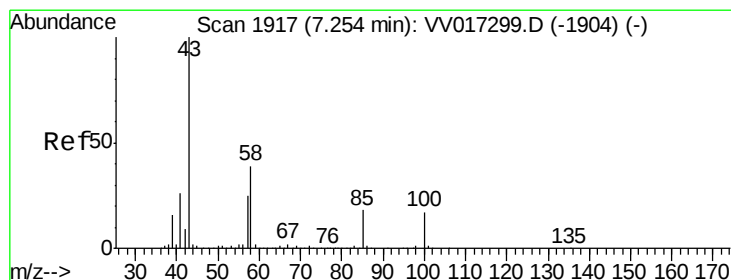
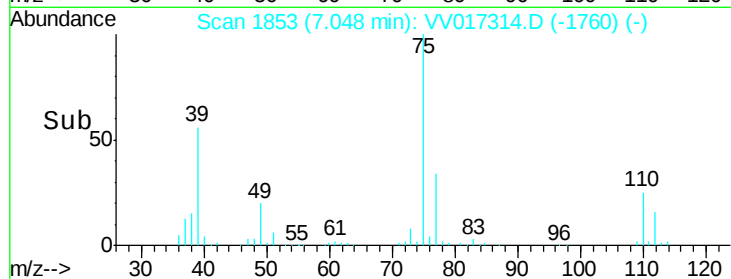
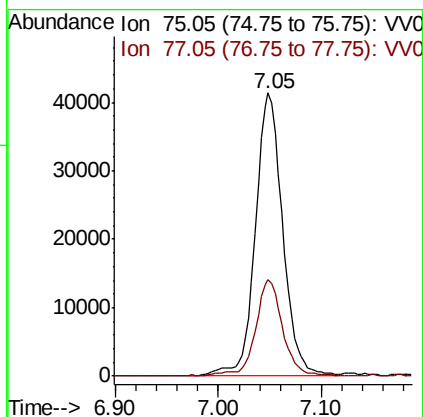
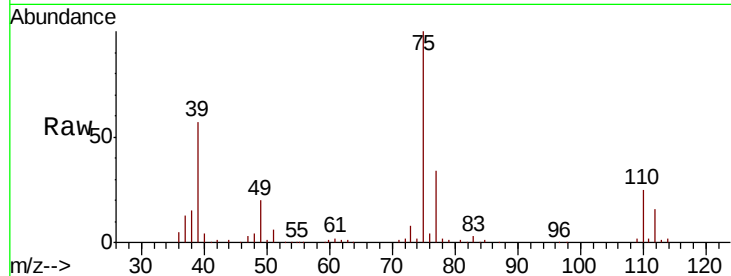




#39
 cis-1,3-Dichloropropene
 Concen: 4.855 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

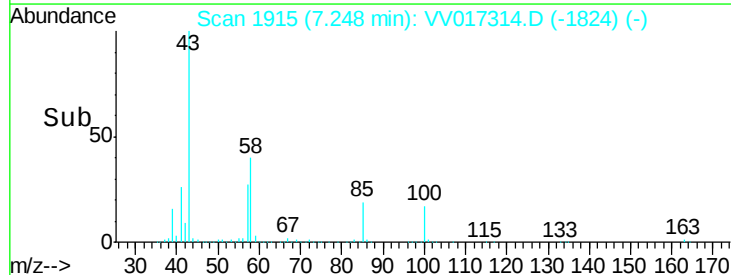
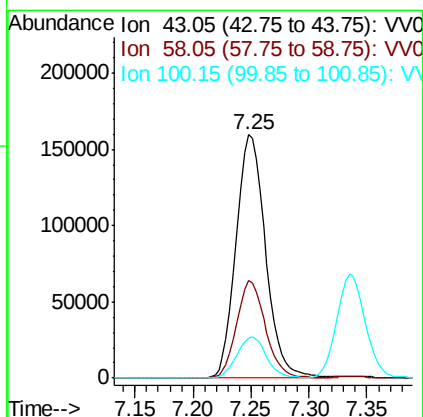
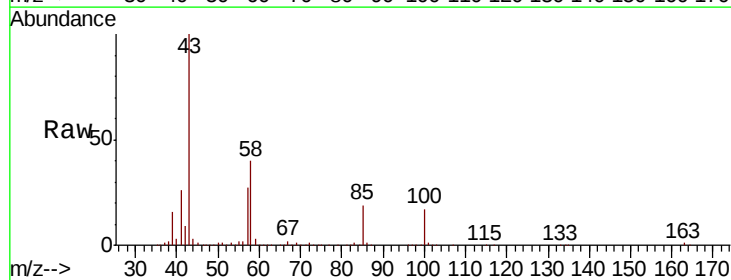
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

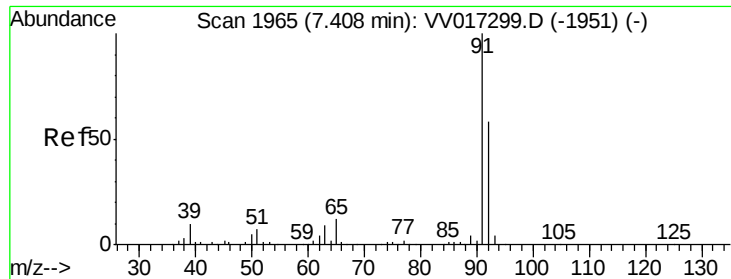
Tot Ion: 75 Resp: 76099
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 46.468 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion: 43 Resp: 283045
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.4 45.6
 100 16.9 12.7 19.1





#42

Toluene

Concen: 4.694 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

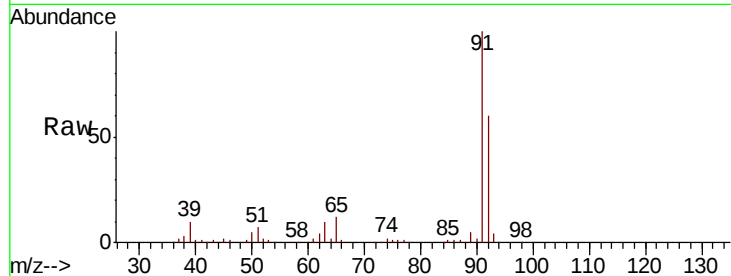
VSTD00545

Tot Ion: 91 Resp: 232576

Ion Ratio Lower Upper

91 100

92 59.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017299.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017299.D (-1951) (-)

7.41

150000

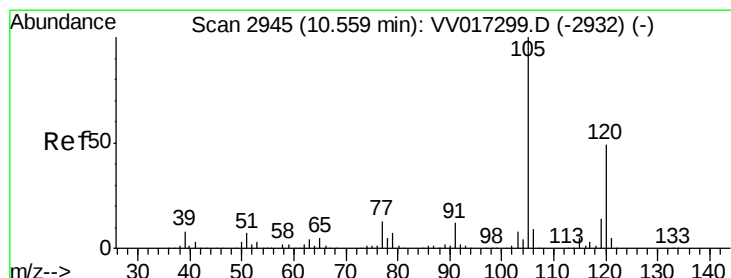
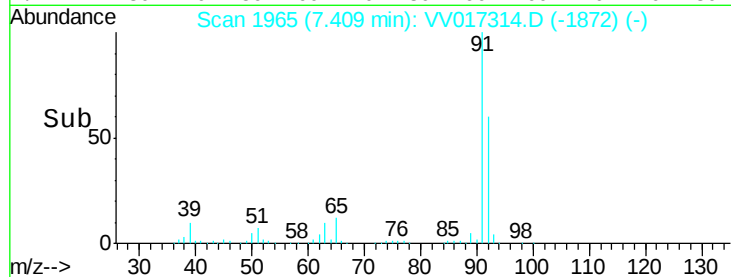
100000

50000

0

7.30 7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.163 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017314.D

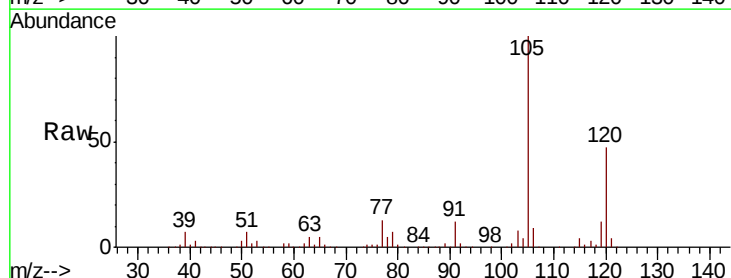
Acq: 02 Jul 2020 18:07

Tgt Ion:105 Resp: 228759

Ion Ratio Lower Upper

105 100

120 47.7 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017299.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017299.D (-2932) (-)

10.56

150000

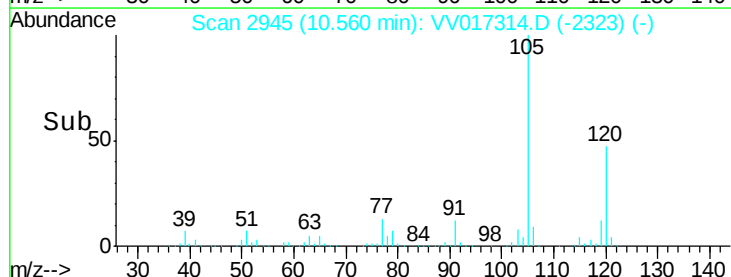
100000

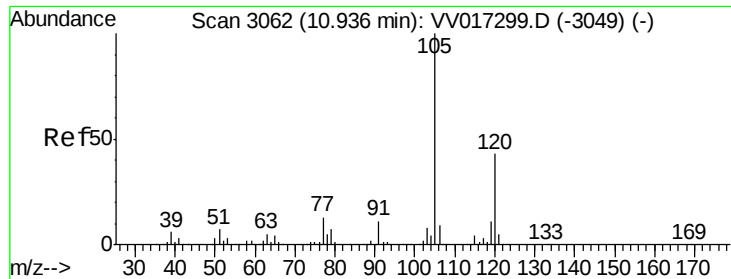
50000

0

10.50 10.55 10.60

Time-->

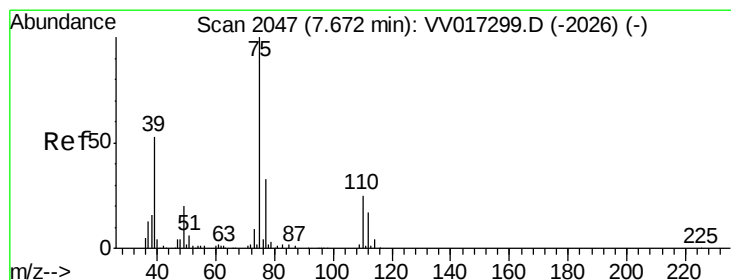
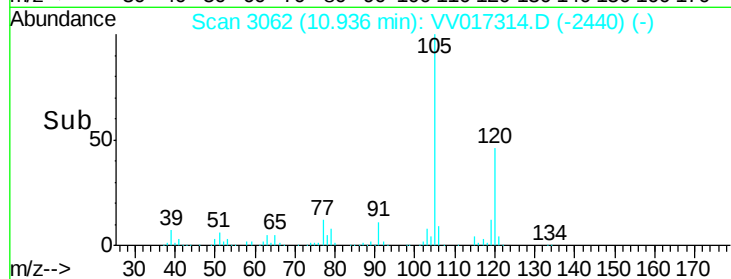
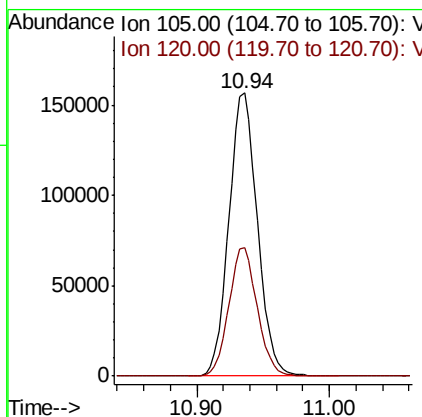
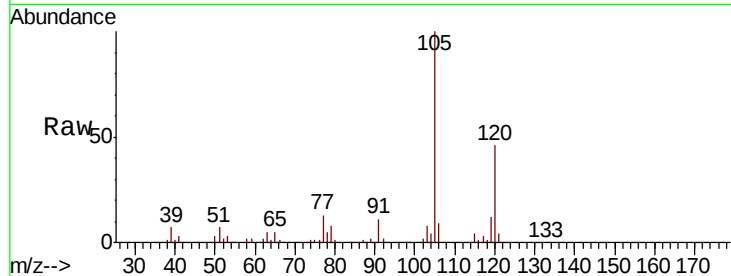




#44
 1,2,4-Trimethylbenzene
 Concen: 5.197 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

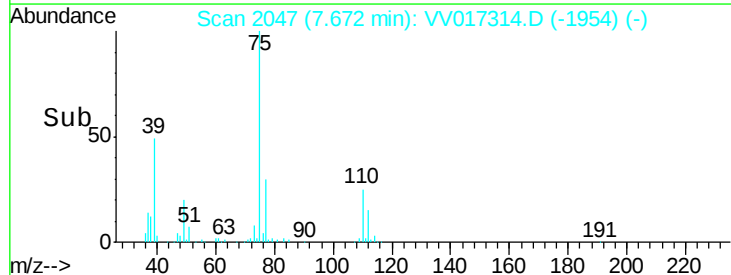
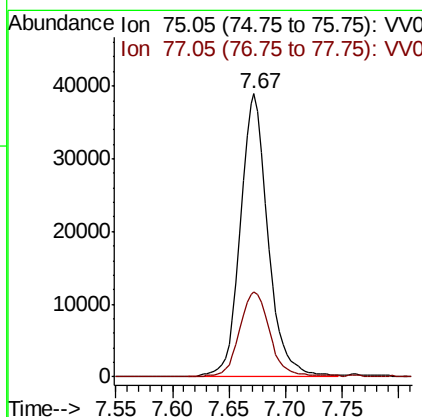
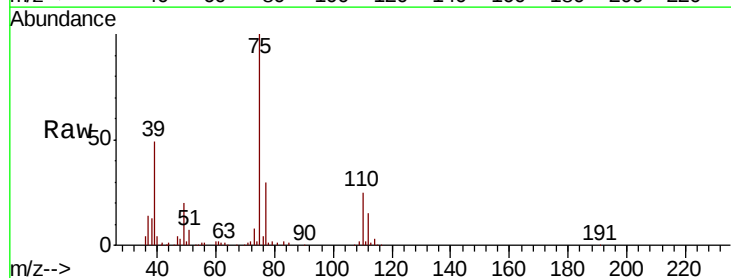
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

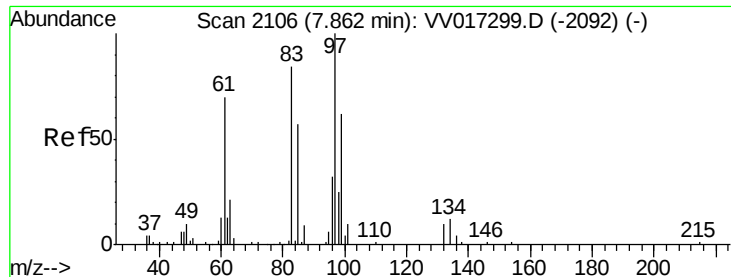
Tot Ion:105 Resp: 234477
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.895 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion: 75 Resp: 66364
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.3 41.3

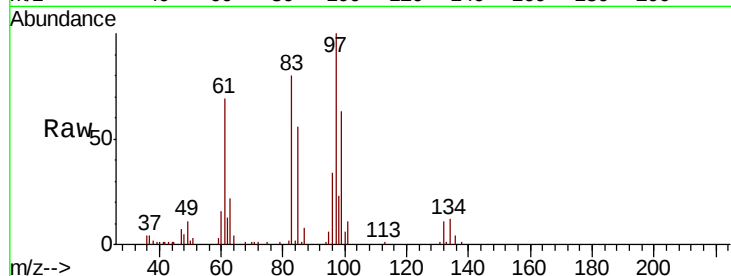




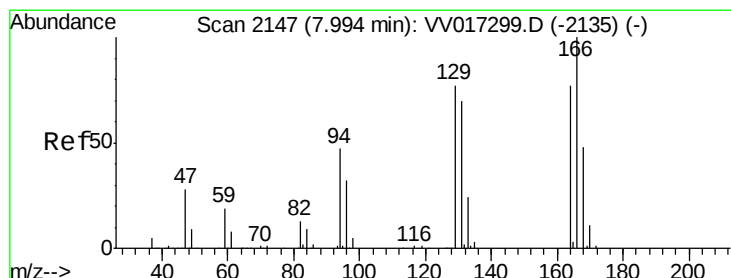
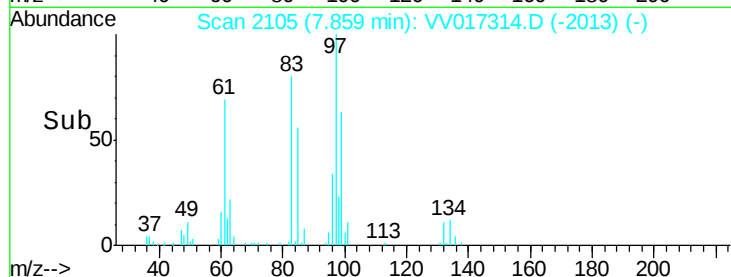
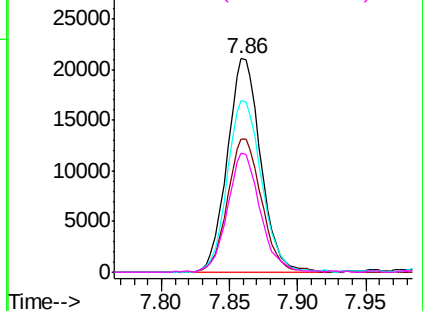
#47
 1,1,2-Trichloroethane
 Concen: 4.808 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tot Ion: 97 Resp: 35976
 Ion Ratio Lower Upper
 97 100
 99 62.6 43.6 81.0
 83 80.3 57.4 106.6
 85 55.9 38.8 72.0



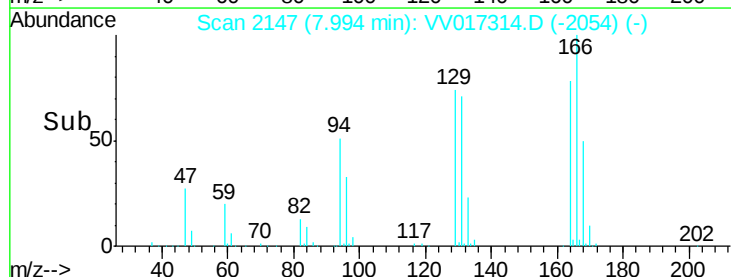
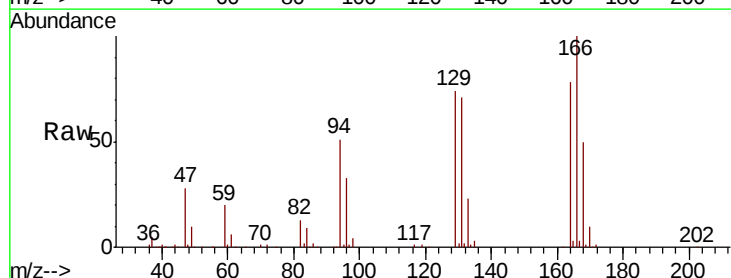
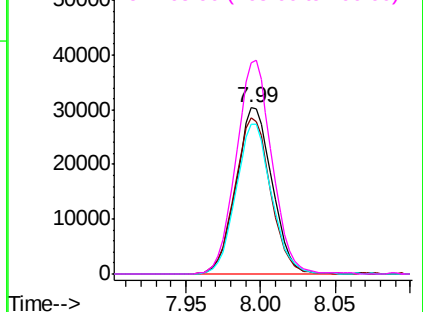
Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

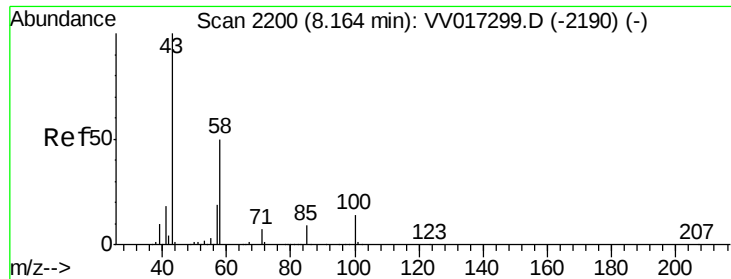


#49
 Tetrachloroethene
 Concen: 5.060 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion: 164 Resp: 50822
 Ion Ratio Lower Upper
 164 100
 129 94.0 65.2 121.0
 131 90.2 64.1 119.1
 166 127.4 90.2 167.4

Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

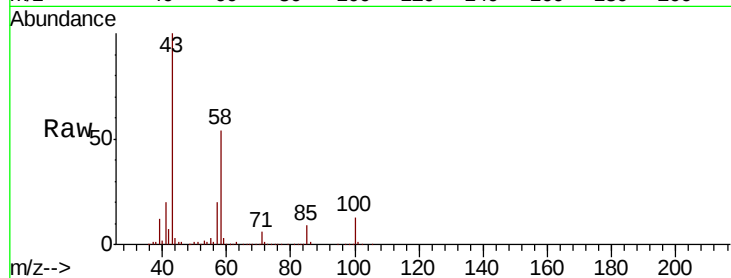




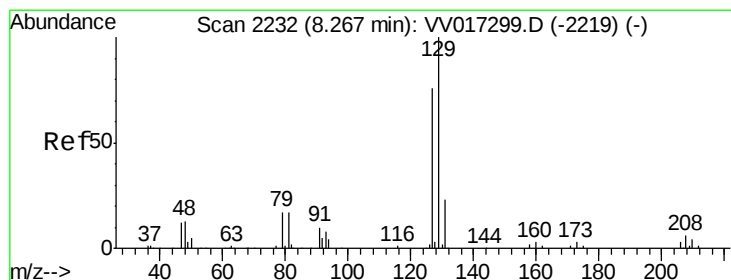
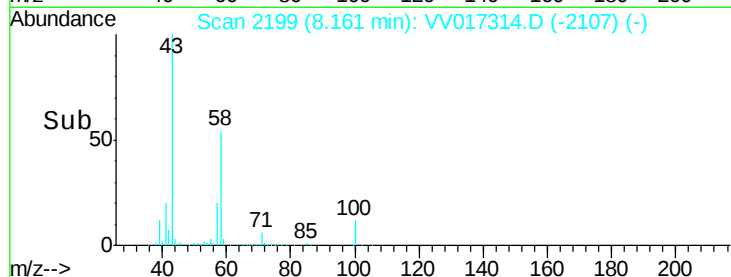
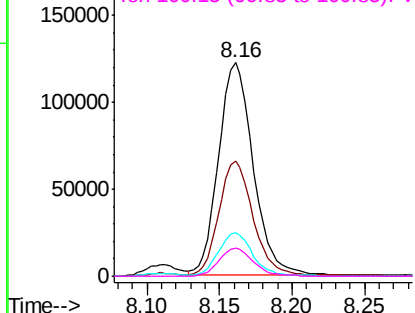
#50
2-Hexanone
Concen: 46.769 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tot Ion:	43	Resp:	202733
Ion	Ratio	Lower	Upper
43	100		
58	53.7	41.6	62.4
57	20.1	15.4	23.0
100	12.9	10.1	15.1

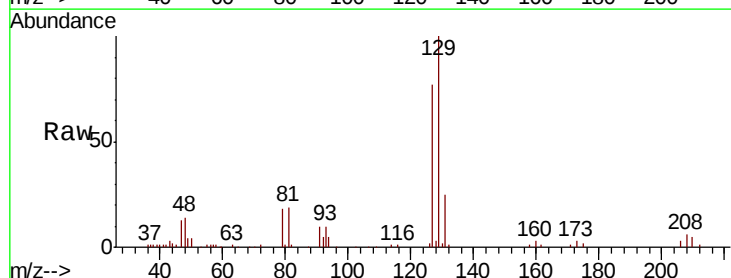


Abundance Ion 43.05 (42.75 to 43.75): VV017314.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV017314.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV017314.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV017314.D (-2190) (-)

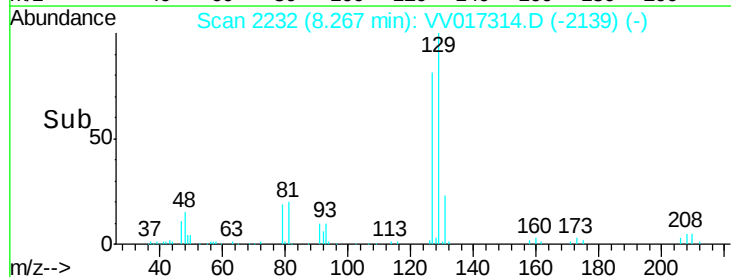
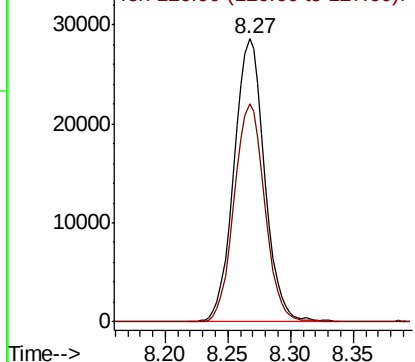


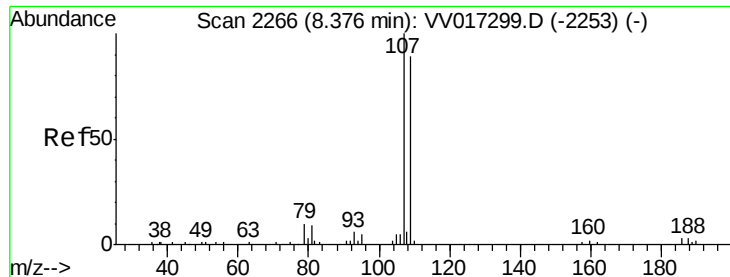
#51
Dibromochloromethane
Concen: 5.330 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

Tgt Ion:	129	Resp:	48344
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017314.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV017314.D (-2219) (-)

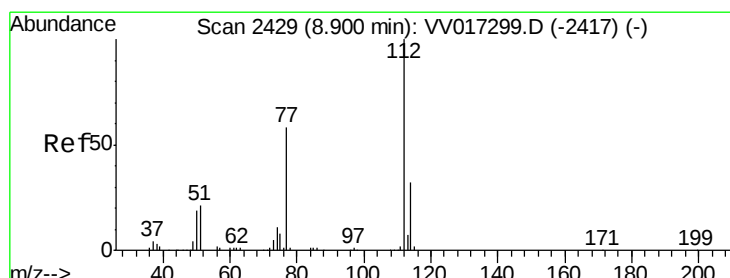
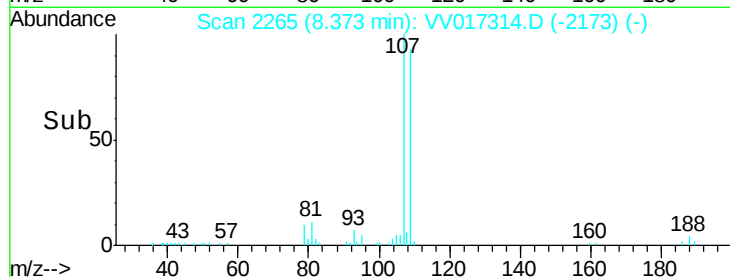
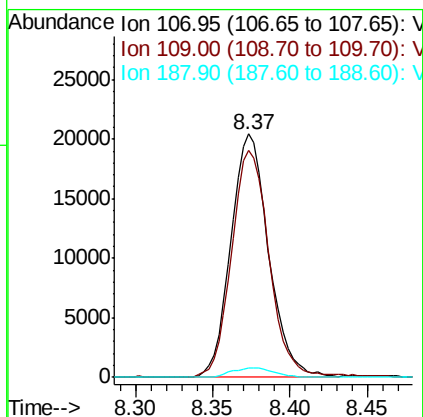
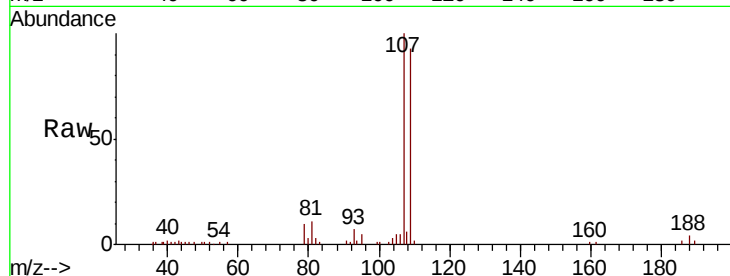




#52
1,2-Dibromoethane
Concen: 4.871 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

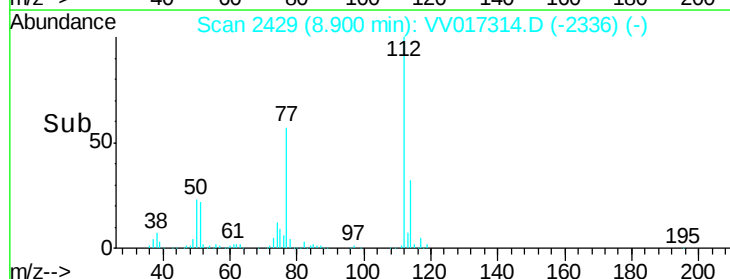
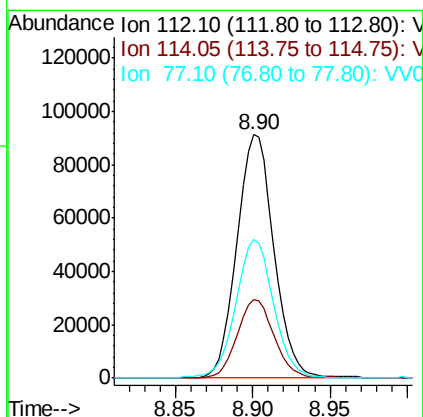
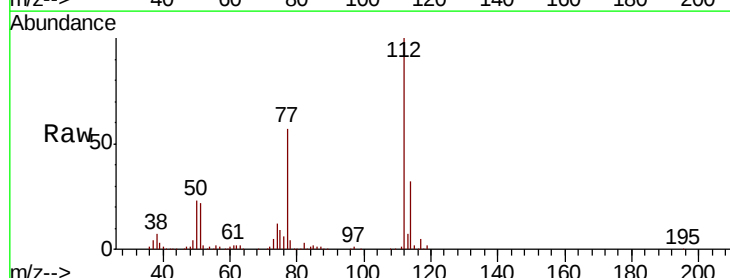
Instrument :
MSVOA_V
ClientSampled :
VSTD00545

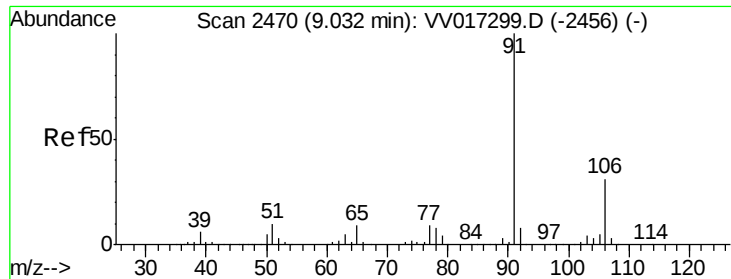
Tot Ion:107 Resp: 34567
Ion Ratio Lower Upper
107 100
109 93.5 69.4 128.8
188 3.8 3.9 5.9#



#53
Chlorobenzene
Concen: 4.914 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

Tgt Ion:112 Resp: 151771
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 56.9 46.0 69.0





#54

Ethylbenzene

Concen: 4.939 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

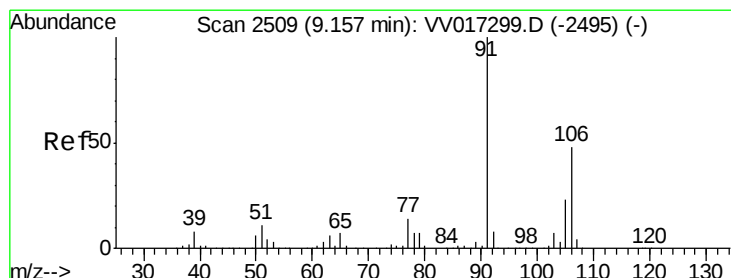
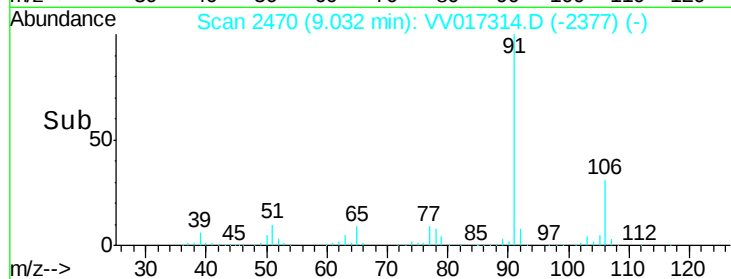
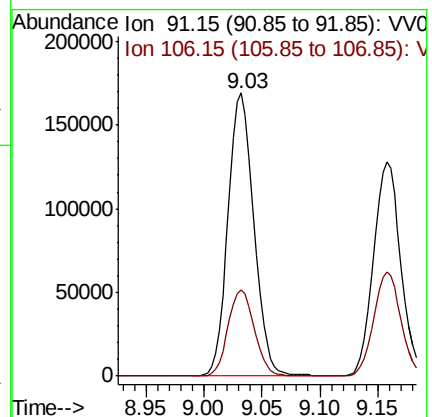
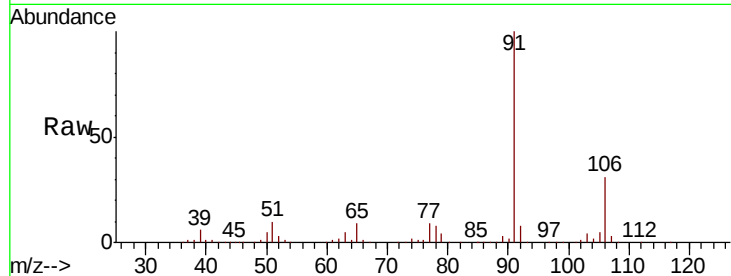
VSTD00545

Tot Ion: 91 Resp: 261222

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#55

m,p-xylene

Concen: 4.918 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017314.D

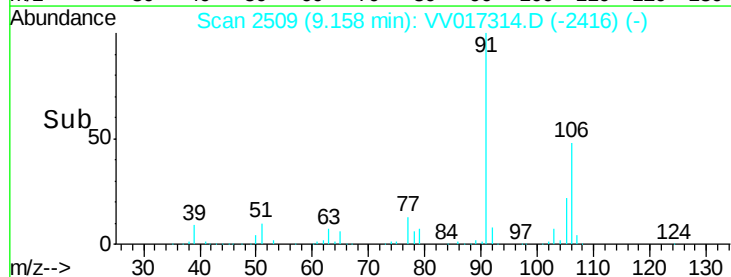
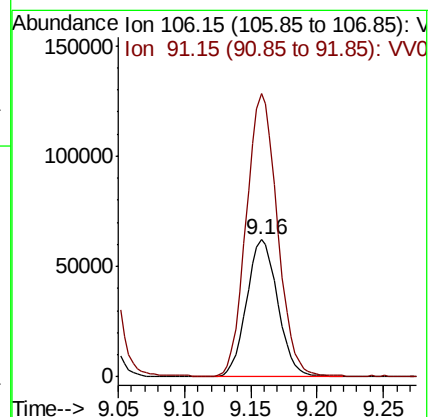
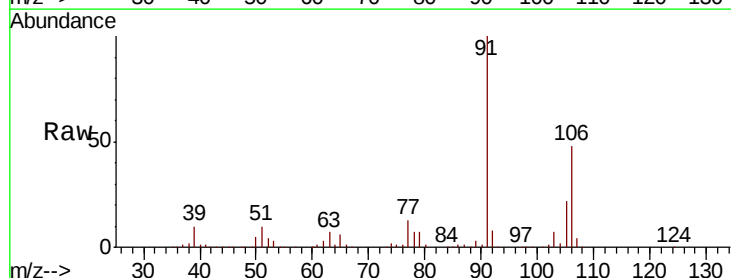
Acq: 02 Jul 2020 18:07

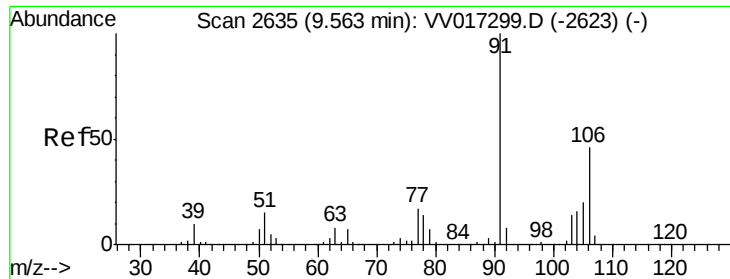
Tgt Ion: 106 Resp: 102020

Ion Ratio Lower Upper

106 100

91 206.5 142.7 264.9

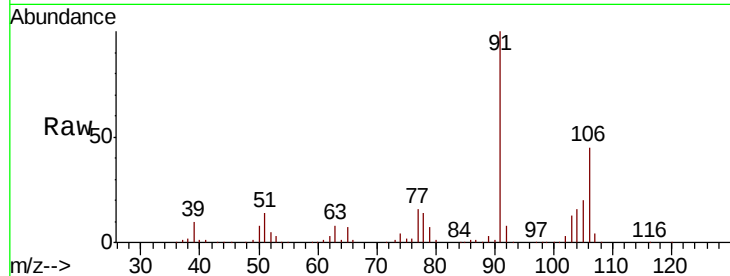




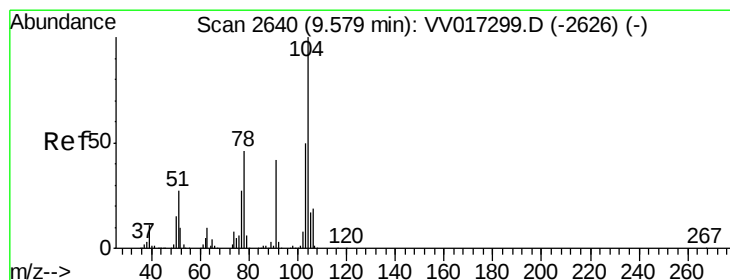
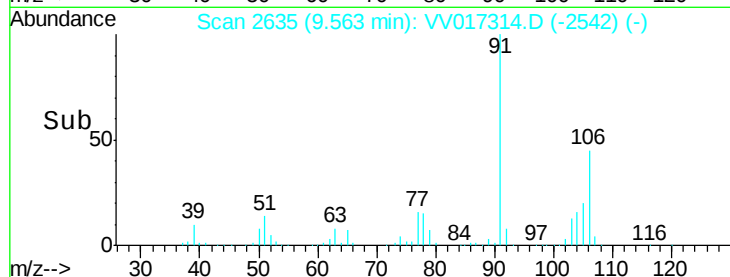
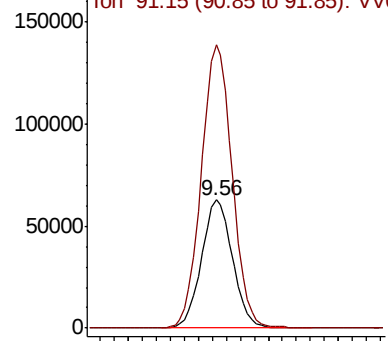
#56
o-xylene
Concen: 4.977 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tot Ion:106 Resp: 96344
Ion Ratio Lower Upper
106 100
91 221.1 153.6 285.2

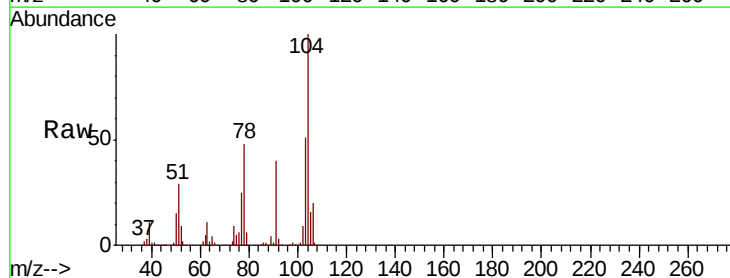


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

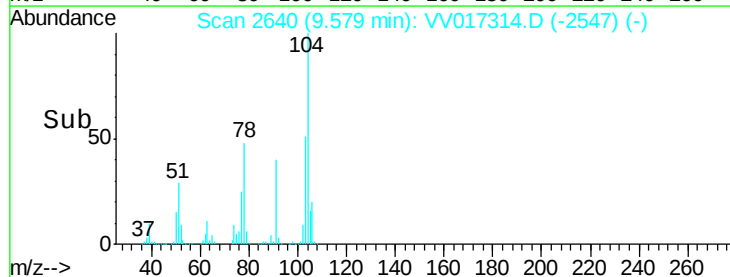
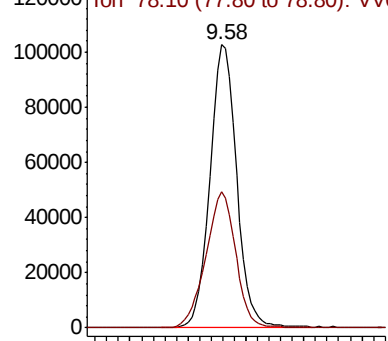


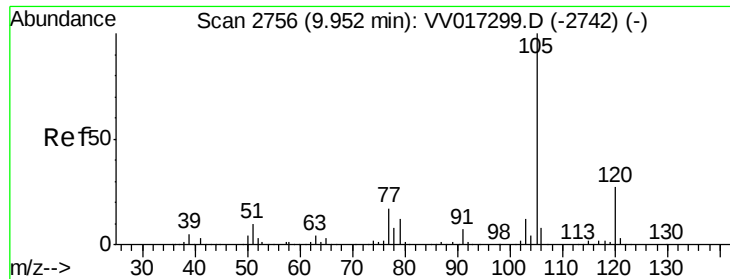
#57
Styrene
Concen: 5.107 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017314.D
Acq: 02 Jul 2020 18:07

Tgt Ion:104 Resp: 163818
Ion Ratio Lower Upper
104 100
78 47.9 33.9 62.9



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





#58

Isopropylbenzene

Concen: 5.116 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

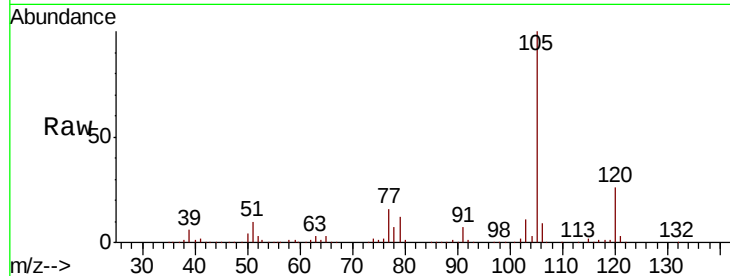
Tot Ion:105 Resp: 272516

Ion Ratio Lower Upper

105 100

120 25.5 21.2 31.8

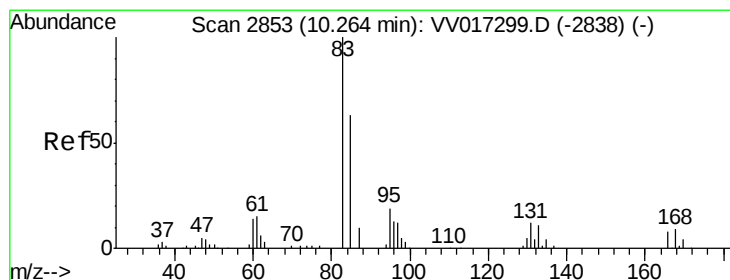
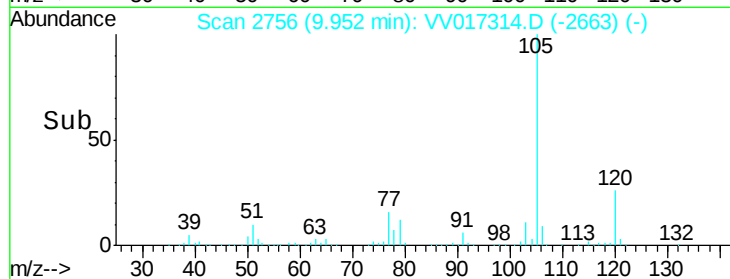
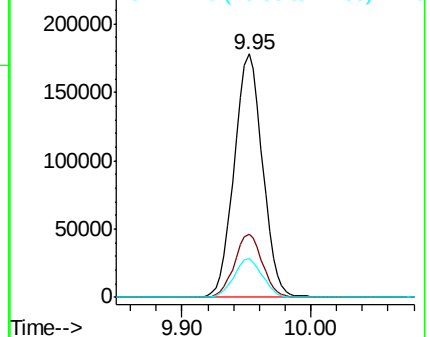
77 16.0 13.0 19.4



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: 4.996 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

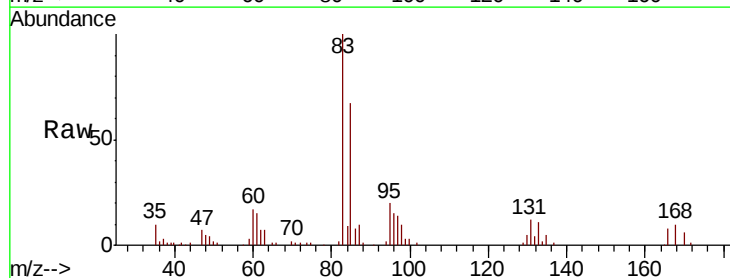
Tgt Ion: 83 Resp: 38664

Ion Ratio Lower Upper

83 100

85 67.4 42.9 79.7

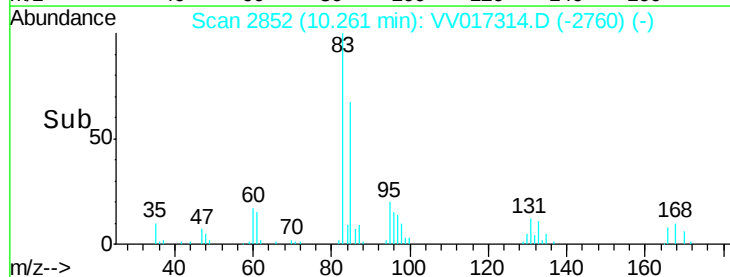
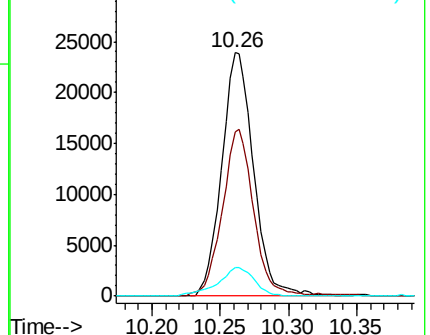
131 11.9 8.6 13.0

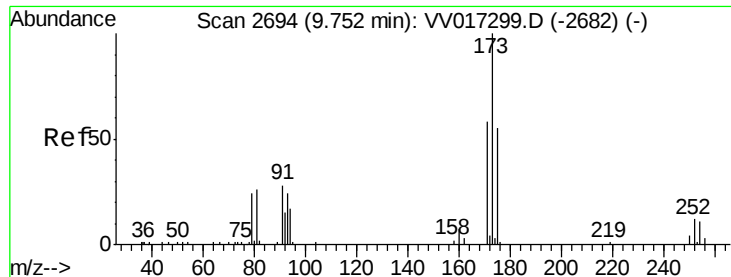


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.513 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

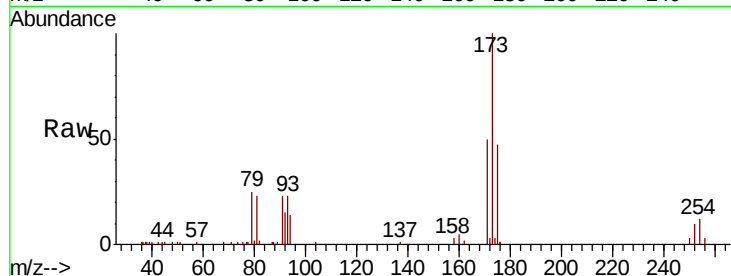
Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

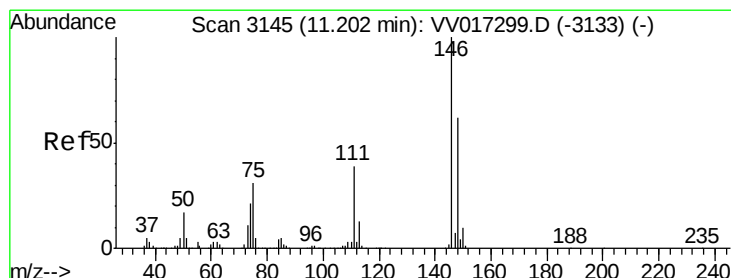
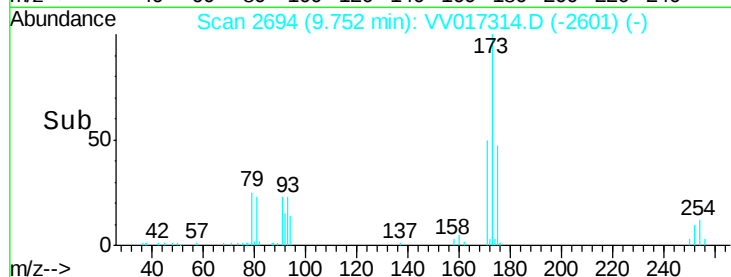
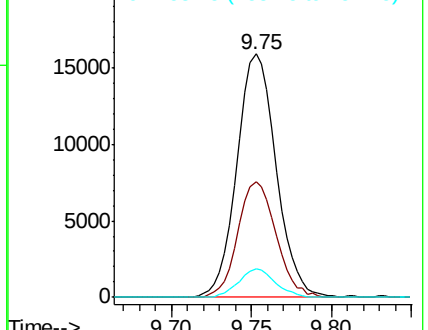
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tot Ion:173 Resp: 26617

Ion	Ratio	Lower	Upper
173	100		
175	46.0	39.4	59.2
254	10.9	7.4	11.2



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: 4.926 ug/L

RT: 11.20 min Scan# 3145

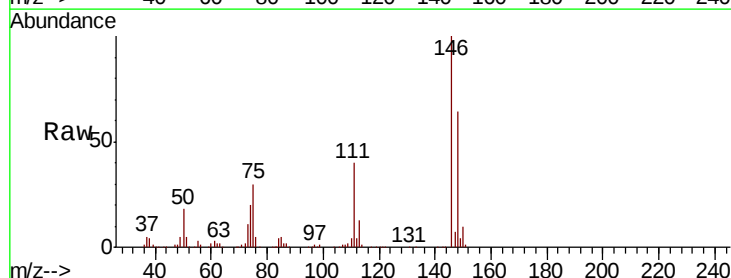
Delta R.T. 0.00 min

Lab File: VV017314.D

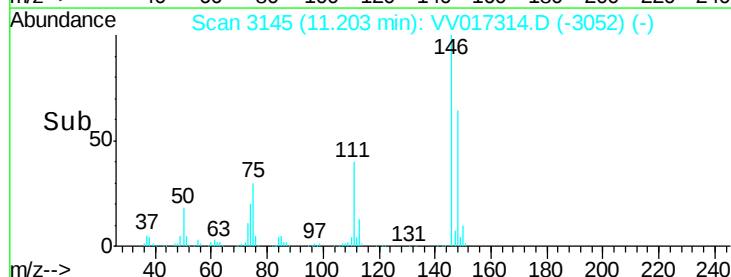
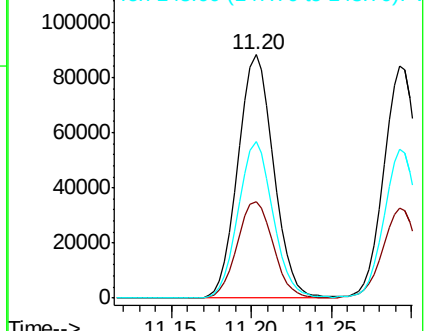
Acq: 02 Jul 2020 18:07

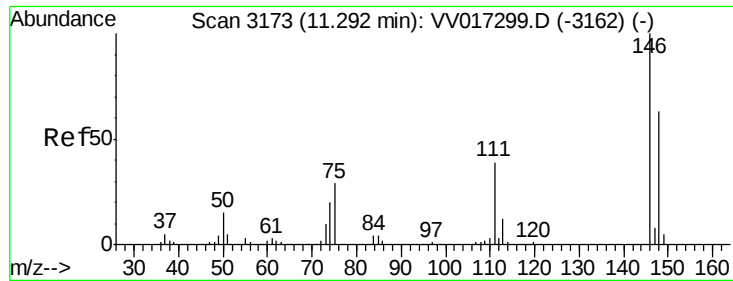
Tgt Ion:146 Resp: 133817

Ion	Ratio	Lower	Upper
146	100		
111	39.5	29.2	54.2
148	64.2	44.9	83.5



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





#64

1,4-Dichlorobenzene

Concen: 4.661 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

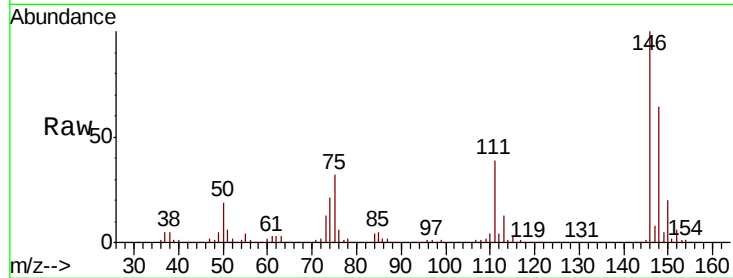
Tot Ion:146 Resp: 128697

Ion Ratio Lower Upper

146 100

111 38.5 27.4 50.8

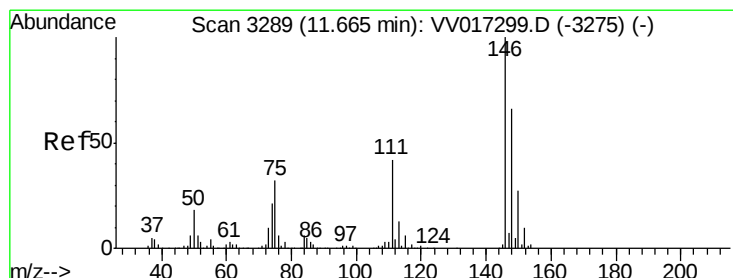
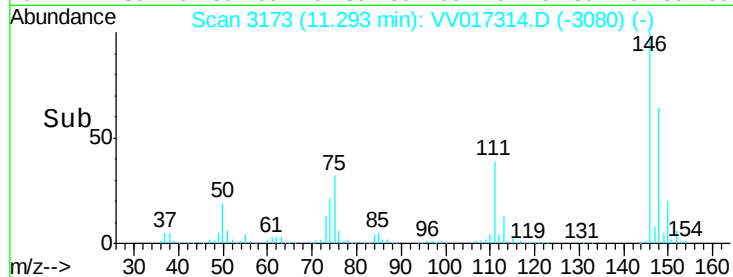
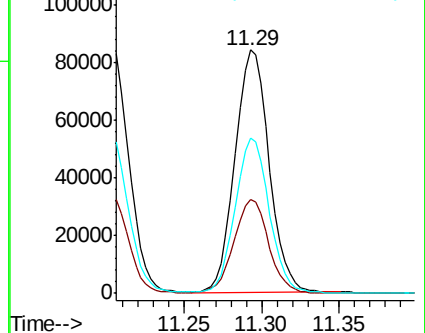
148 63.9 44.3 82.3



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: 4.737 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

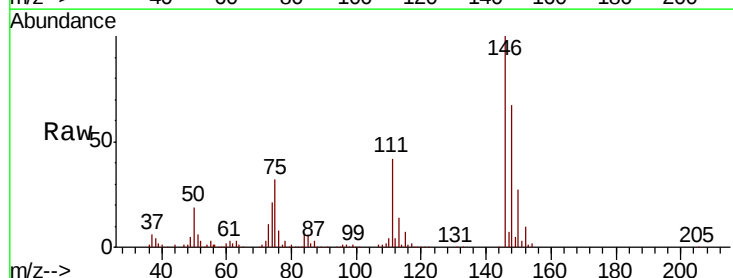
Tgt Ion:146 Resp: 116796

Ion Ratio Lower Upper

146 100

111 41.9 34.4 51.6

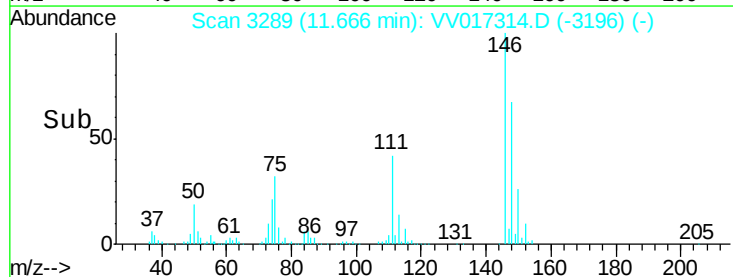
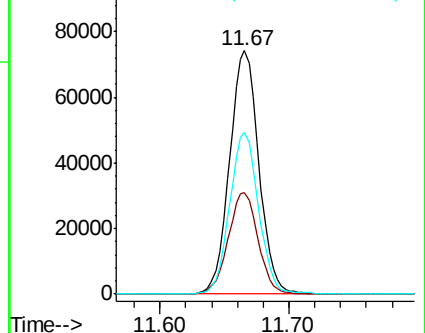
148 66.6 49.9 74.9

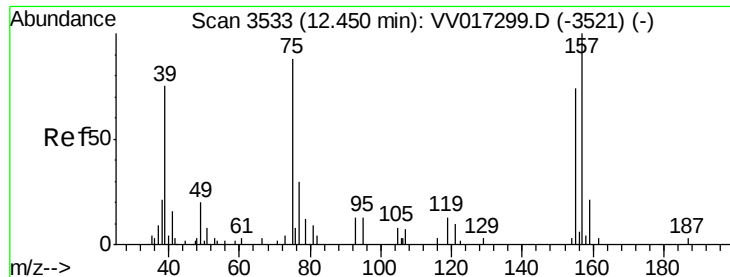


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 5.207 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

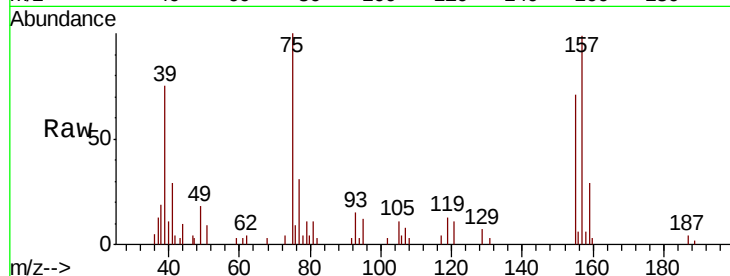
Tot Ion: 75 Resp: 7101

Ion Ratio Lower Upper

75 100

155 70.8 71.1 106.7#

157 99.2 88.3 132.5



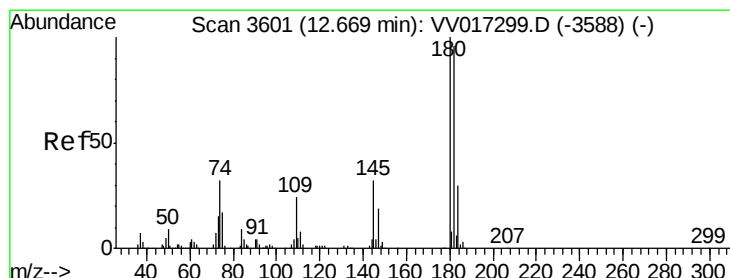
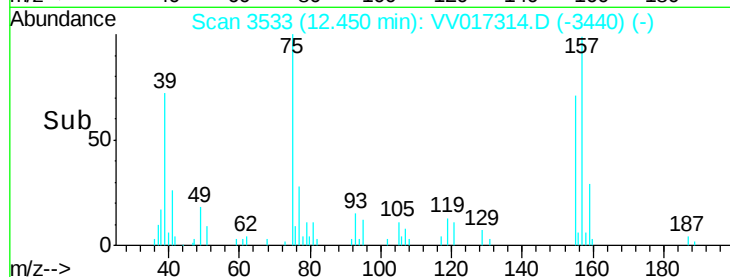
Abundance Ion 75.05 (74.75 to 75.75): VV017314.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017314.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017314.D (-3440) (-)

12.45

Time-->



#68

1,3,5-Trichlorobenzene

Concen: 4.790 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017314.D

Acq: 02 Jul 2020 18:07

Tgt Ion: 180 Resp: 104541

Ion Ratio Lower Upper

180 100

182 97.4 77.4 116.2

184 30.8 24.2 36.4

145 30.6 24.3 36.5

Abundance Ion 180.00 (179.70 to 180.70): VV017314.D (-3508) (-)

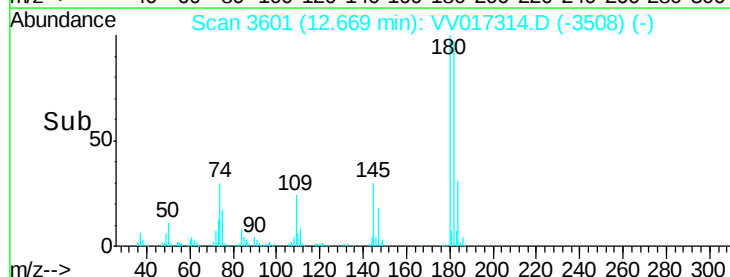
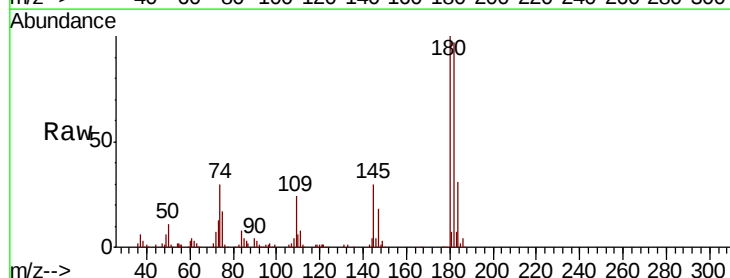
Ion 182.00 (181.70 to 182.70): VV017314.D (-3508) (-)

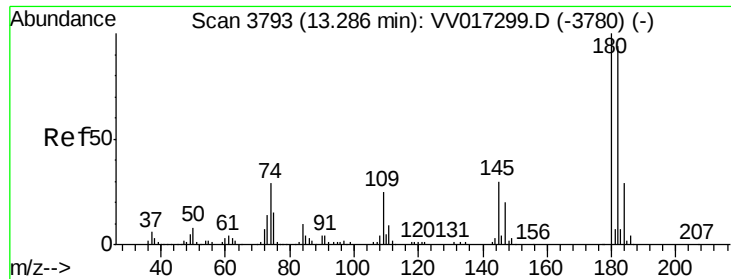
Ion 184.00 (183.70 to 184.70): VV017314.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017314.D (-3508) (-)

12.67

Time-->

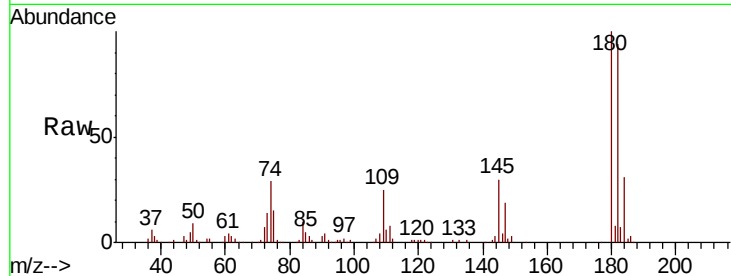




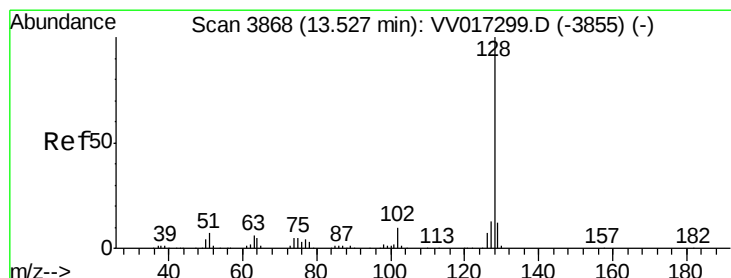
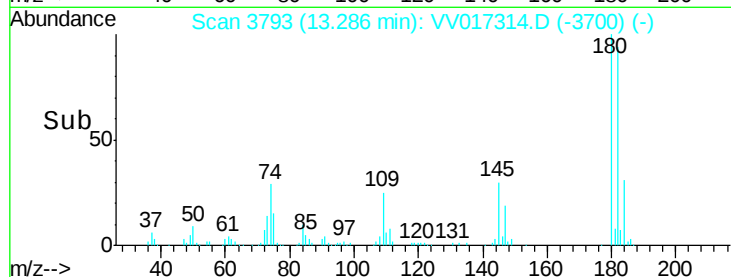
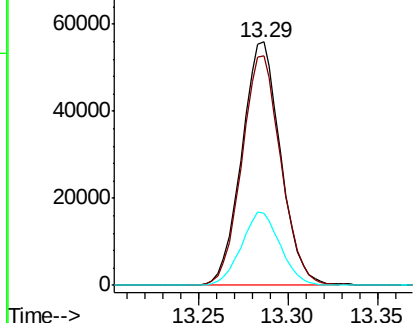
#69
 1,2,4-trichlorobenzene
 Concen: 4.755 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tot Ion:180 Resp: 85442
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 30.2 25.0 37.6

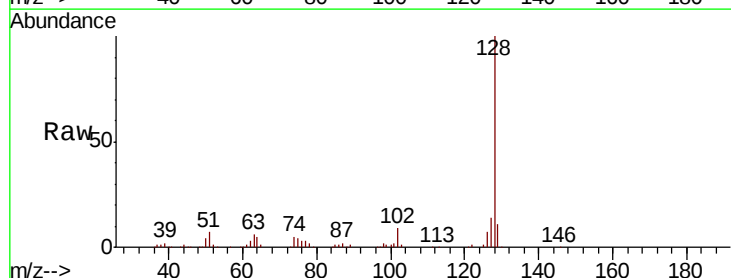


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

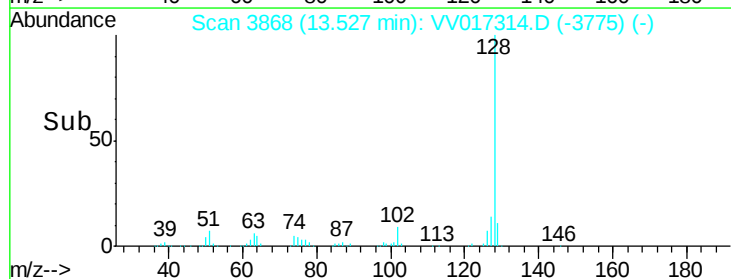
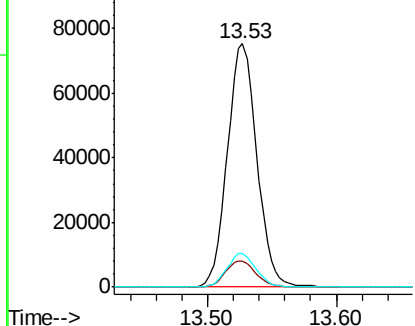


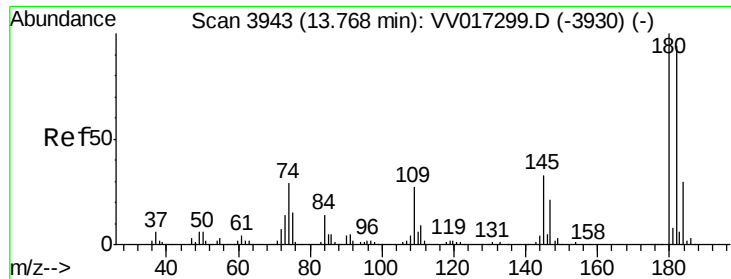
#70
 Naphthalene
 Concen: 4.721 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Tgt Ion:128 Resp: 119788
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.8 13.2
 127 13.5 10.5 15.7



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: 5.035 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017314.D
 Acq: 02 Jul 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.0
145	32.9	25.9	38.9

