

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017044.D
 Acq On : 23 Jun 2020 09:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Quant Time: Jun 24 04:57:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 18:27:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	193146	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	189332	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	101370	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48588	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.58	69	38473	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.12	63	98170	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	3.93	46	143768	48.66	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.32%
24) Chloroform-d	4.37	84	117540	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.05	65	63673	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.07	84	226505	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.09	67	67183	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.33	98	222991	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
45) trans-1,3-Dichloropropene-	7.64	79	28068	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
48) 2-Hexanone-d5	8.11	63	100708	43.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.32%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	48071	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	83836	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	79375	5.148	ug/L 97
3) Chloromethane	1.25	50	63028	4.824	ug/L 99
5) Vinyl chloride	1.32	62	63118	4.980	ug/L 95
6) Bromomethane	1.53	94	31651	4.285	ug/L 95
8) Chloroethane	1.60	64	36442	5.203	ug/L 100
9) Trichlorofluoromethane	1.77	101	103505	5.043	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52030	5.086	ug/L 98
12) 1,1-Dichloroethene	2.13	96	46799	5.049	ug/L 91
13) Acetone	2.20	43	77934	52.183	ug/L 99
14) Carbon disulfide	2.31	76	138707	4.994	ug/L 99
15) Methyl Acetate	2.45	43	18155	4.972	ug/L 100
16) Methylene chloride	2.52	84	46414	4.675	ug/L 96
17) Methyl tert-butyl Ether	2.78	73	115091	4.945	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	51170	5.209	ug/L 94
19) 1,1-Dichloroethane	3.21	63	111294	5.043	ug/L 100
21) 2-Butanone	4.01	43	150477	53.450	ug/L 97
22) cis-1,2-Dichloroethene	3.93	96	66056	4.918	ug/L 100

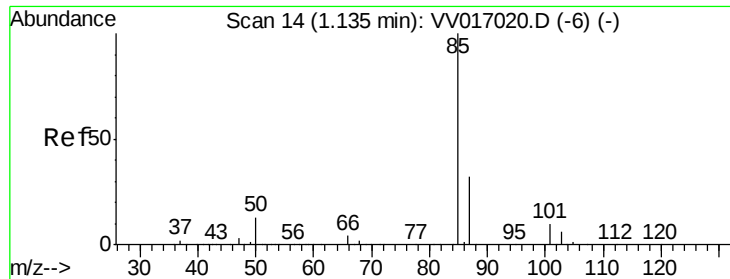
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017044.D
 Acq On : 23 Jun 2020 09:59
 Operator : SY/MD
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Instrument :
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 ClientSampleId :
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Quant Time: Jun 24 04:57:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 18:27:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	29380	5.147	ug/L	96
25) Chloroform	4.40	83	128614	5.335	ug/L	97
27) 1,2-Dichloroethane	5.15	62	78207	5.222	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	115764	5.103	ug/L	98
30) Cyclohexane	4.70	56	100260	4.645	ug/L	98
31) Carbon tetrachloride	4.85	117	99943	4.883	ug/L	98
33) Benzene	5.12	78	249474	5.031	ug/L	100
34) Trichloroethene	5.94	95	67920	4.678	ug/L	98
35) Methylcyclohexane	6.15	83	106351	4.712	ug/L	99
37) 1,2-Dichloropropane	6.20	63	60872	4.959	ug/L	99
38) Bromodichloromethane	6.53	83	81084	4.863	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	87683	4.808	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	356334	50.282	ug/L	99
42) Toluene	7.41	91	275819	4.785	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	254192	4.931	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	257923	4.914	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	75700	4.799	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	43241	4.967	ug/L	98
49) Tetrachloroethene	7.99	164	56795	4.860	ug/L	98
50) 2-Hexanone	8.16	43	259193	51.394	ug/L	98
51) Dibromochloromethane	8.27	129	52248	4.951	ug/L	98
52) 1,2-Dibromoethane	8.37	107	39857	4.828	ug/L #	93
53) Chlorobenzene	8.90	112	174169	4.847	ug/L	98
54) Ethylbenzene	9.03	91	301397	4.898	ug/L	100
55) m,p-xylene	9.16	106	116793	4.839	ug/L	100
56) o-xylene	9.56	106	111174	4.936	ug/L	99
57) Styrene	9.58	104	191765	5.139	ug/L	97
58) Isopropylbenzene	9.95	105	302637	4.883	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	46410	5.154	ug/L	95
62) Bromoform	9.75	173	26084	4.810	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	150198	4.922	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	146044	4.708	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	132784	4.794	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	7597	4.959	ug/L	86
68) 1,3,5-Trichlorobenzene	12.67	180	115915	4.727	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	89885	4.453	ug/L	100
70) Naphthalene	13.53	128	123870	4.346	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	76428	4.643	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.148 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

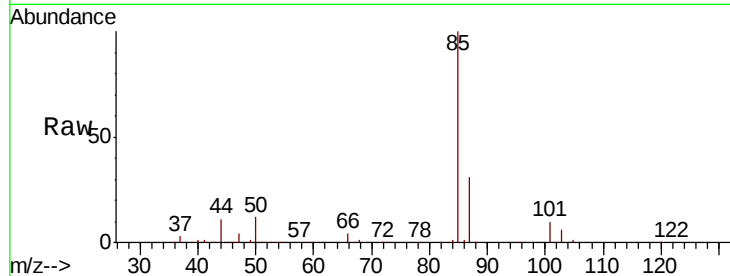
VSTD00554

Tot Ion: 85 Resp: 79375

Ion Ratio Lower Upper

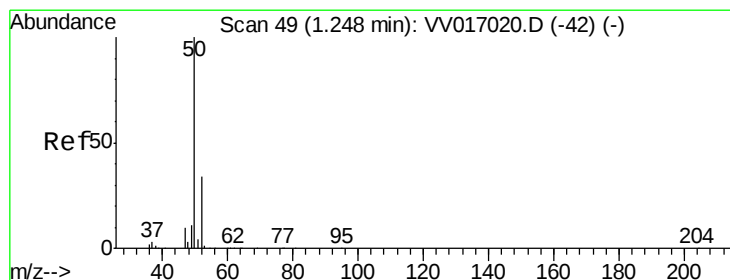
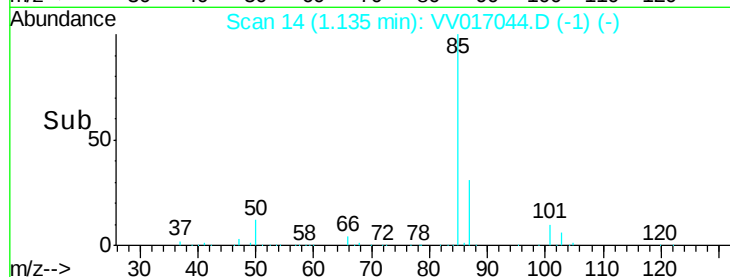
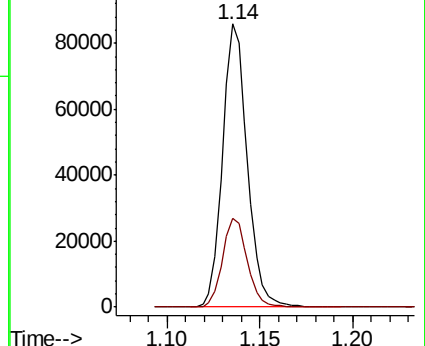
85 100

87 31.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017044.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017044.D (-1) (-)



#3

Chloromethane

Concen: 4.824 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017044.D

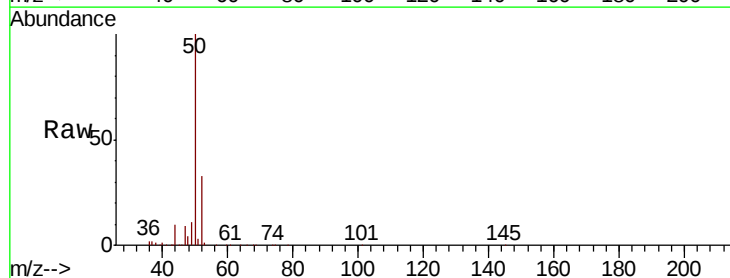
Acq: 23 Jun 2020 09:59

Tgt Ion: 50 Resp: 63028

Ion Ratio Lower Upper

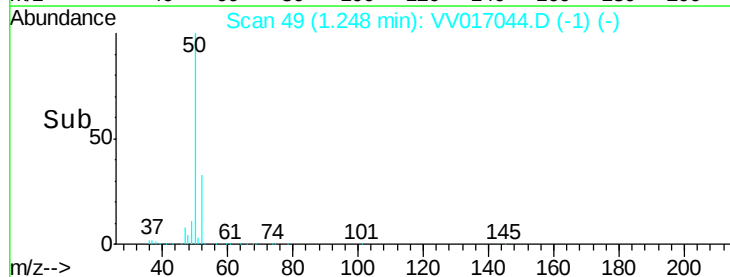
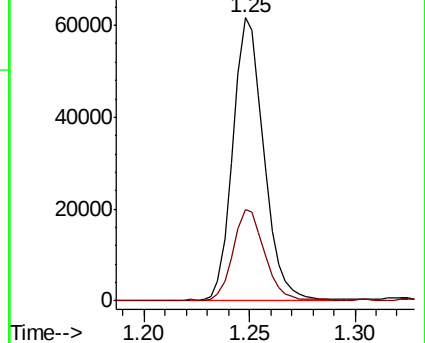
50 100

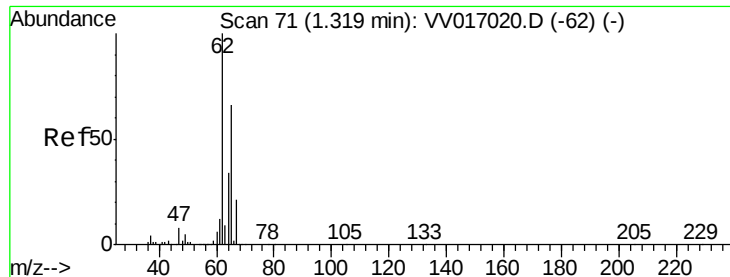
52 32.5 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017044.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017044.D (-1) (-)





#5

Vinyl chloride

Concen: 4.980 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampled :

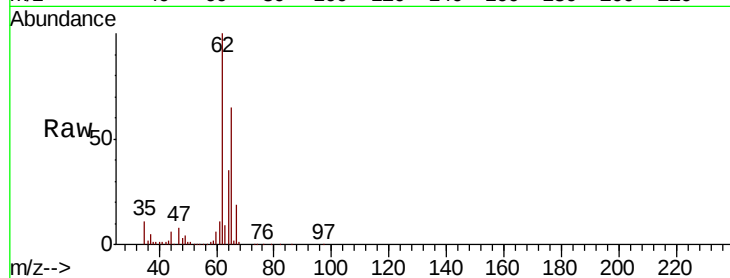
VSTD00554

Tot Ion: 62 Resp: 63118

Ion Ratio Lower Upper

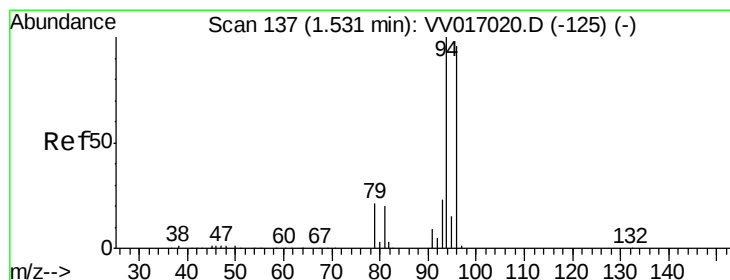
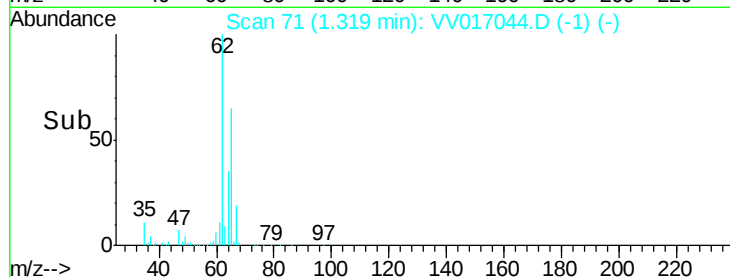
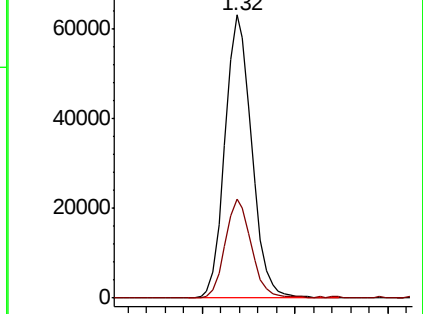
62 100

64 34.8 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017044.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017044.D (-62) (-)



#6

Bromomethane

Concen: 4.285 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017044.D

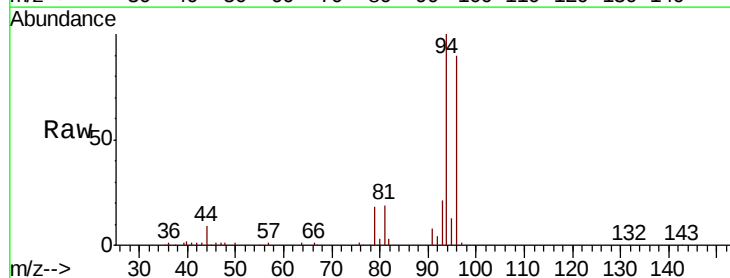
Acq: 23 Jun 2020 09:59

Tgt Ion: 94 Resp: 31651

Ion Ratio Lower Upper

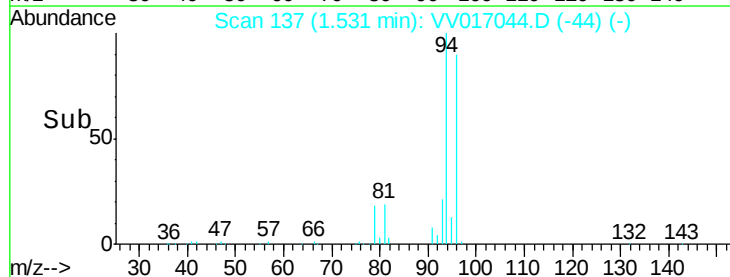
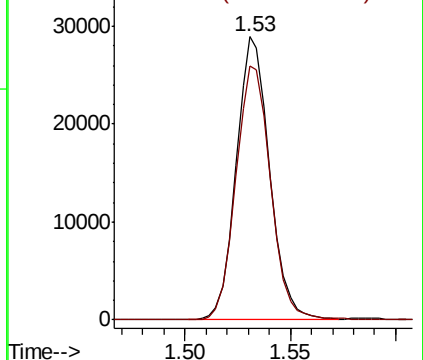
94 100

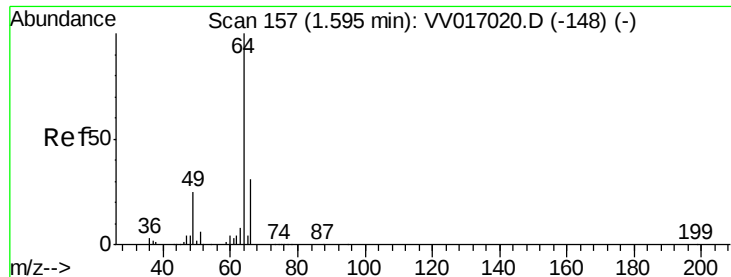
96 89.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV017044.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV017044.D (-125) (-)





#8

Chloroethane

Concen: 5.203 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

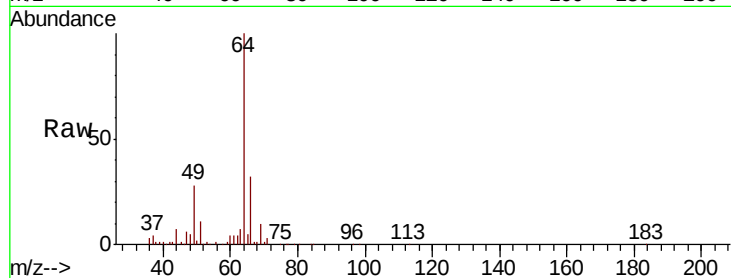
VSTD00554

Tot Ion: 64 Resp: 36442

Ion Ratio Lower Upper

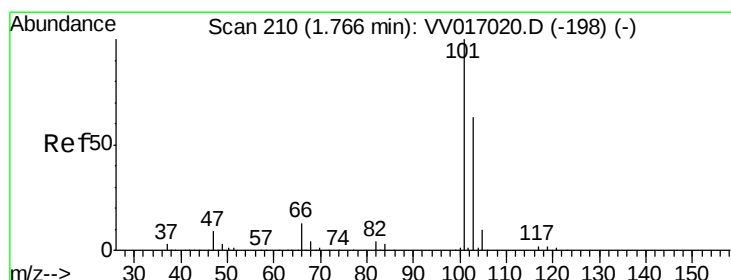
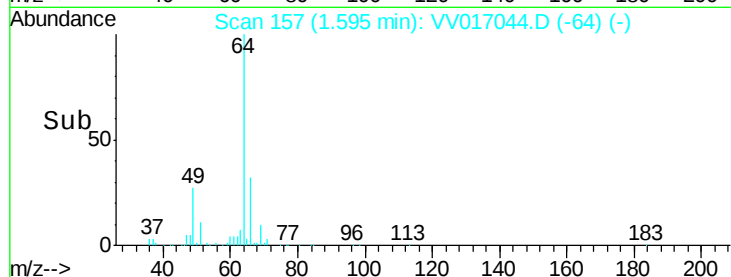
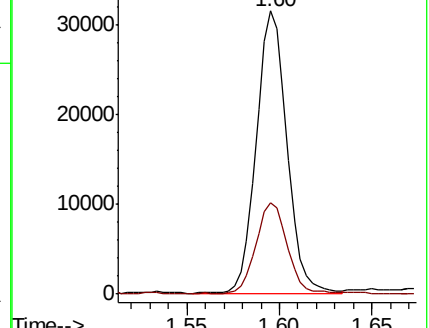
64 100

66 32.4 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017020.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV017020.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.043 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV017044.D

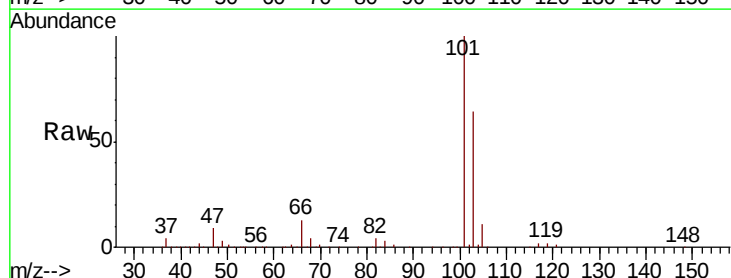
Acq: 23 Jun 2020 09:59

Tgt Ion: 101 Resp: 103505

Ion Ratio Lower Upper

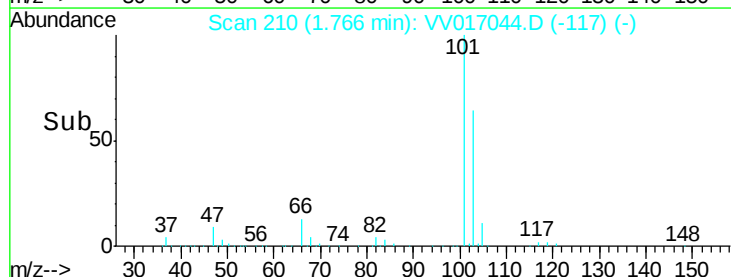
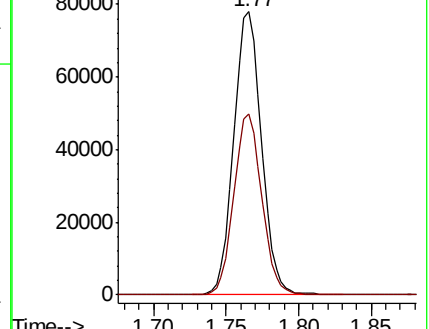
101 100

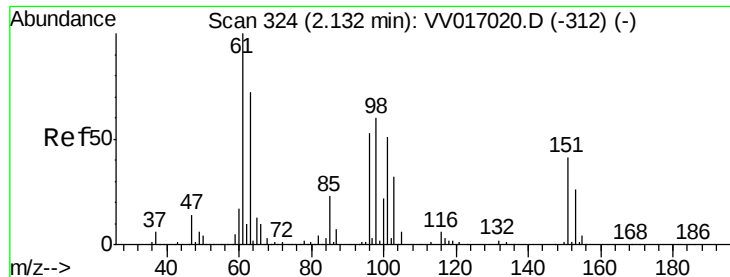
103 64.5 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV017020.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017020.D (-198) (-)





#10

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

Concen: 5.086 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

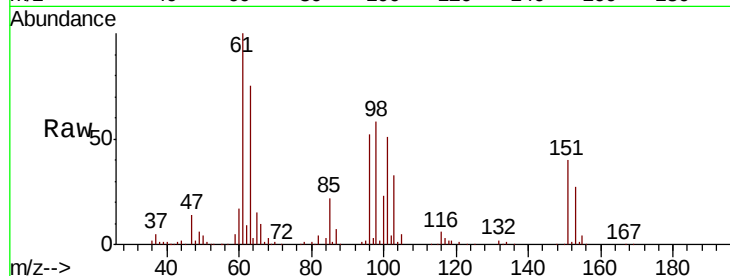
Tot Ion:101 Resp: 52030

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.2

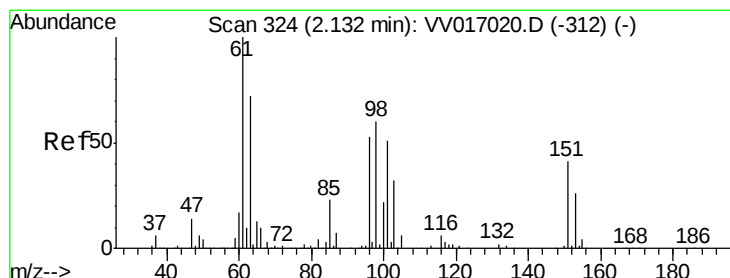
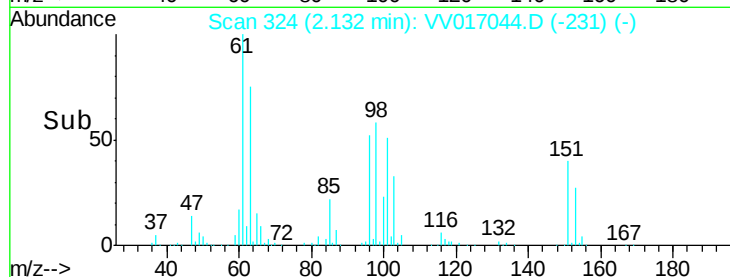
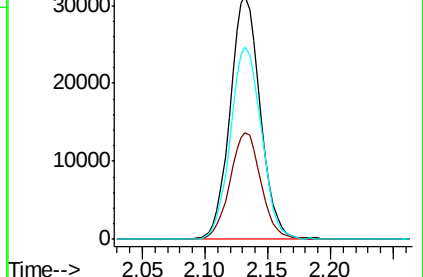
151 81.6 63.9 95.9



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: 5.049 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

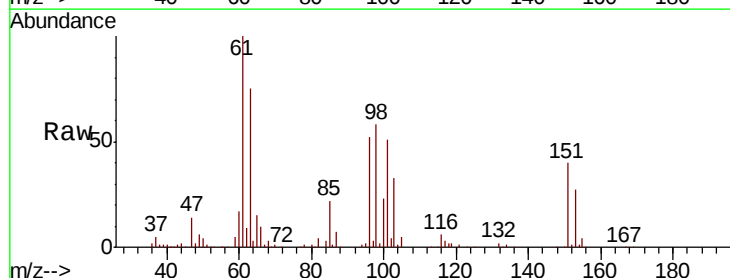
Tgt Ion: 96 Resp: 46799

Ion Ratio Lower Upper

96 100

61 191.0 125.0 232.2

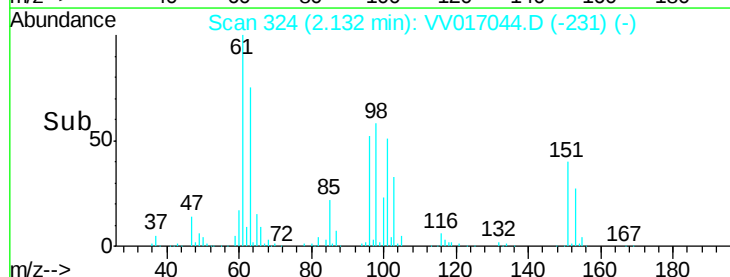
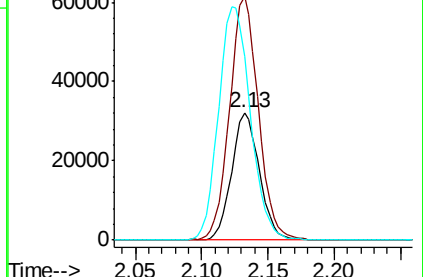
63 144.1 109.8 203.8

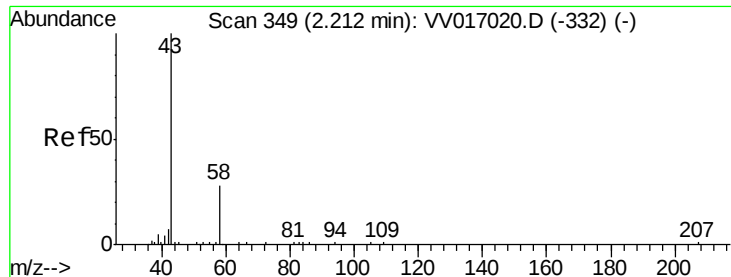


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.183 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

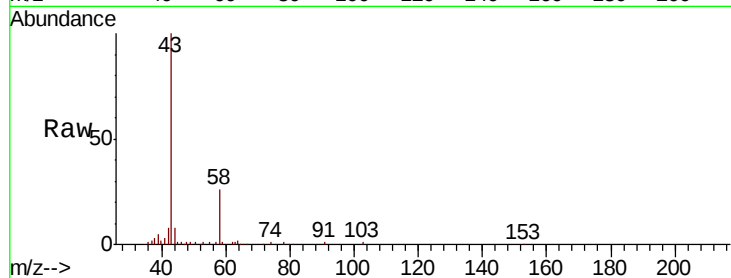
VSTD00554

Tot Ion: 43 Resp: 77934

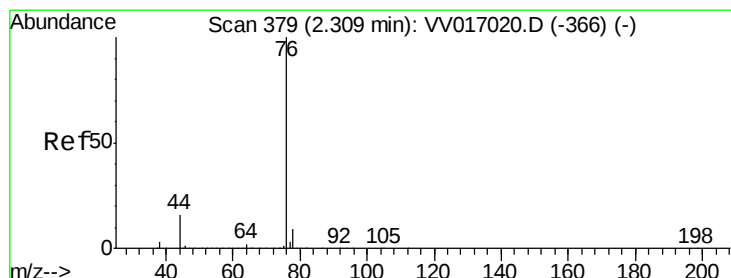
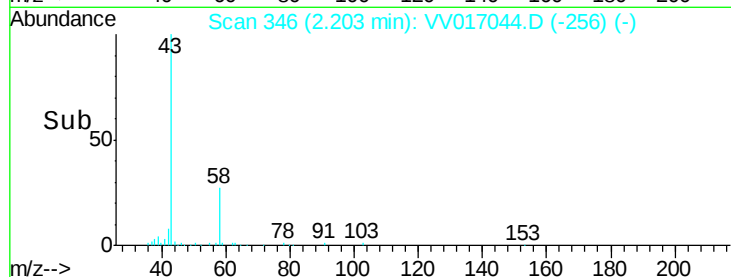
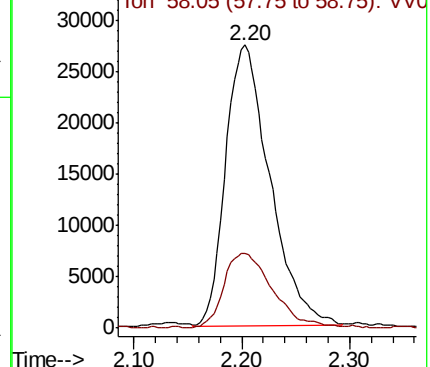
Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017020.D (-332) (-)



#14

Carbon disulfide

Concen: 4.994 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017044.D

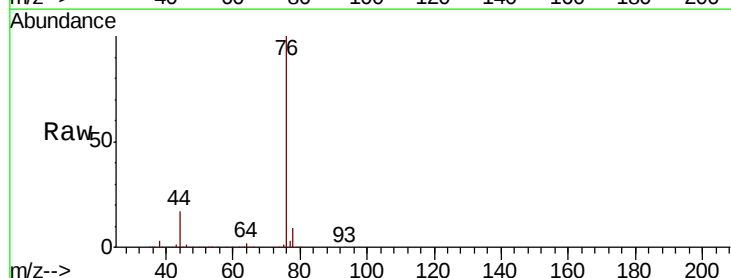
Acq: 23 Jun 2020 09:59

Tgt Ion: 76 Resp: 138707

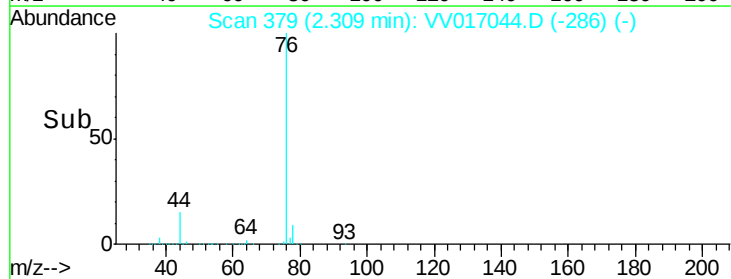
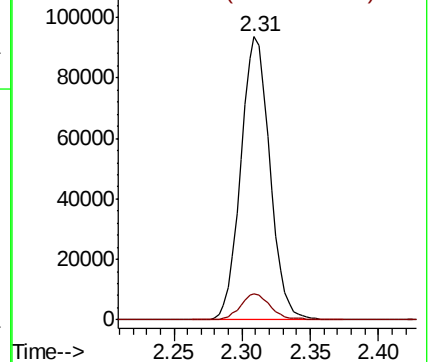
Ion Ratio Lower Upper

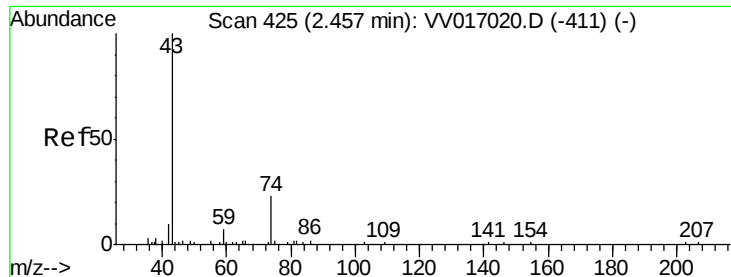
76 100

78 9.3 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017020.D (-366) (-)





#15

Methvl Acetate

Concen: 4.972 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.01 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

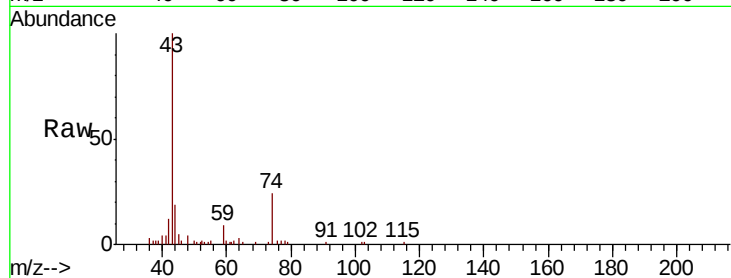
VSTD00554

Tot Ion: 43 Resp: 18155

Ion Ratio Lower Upper

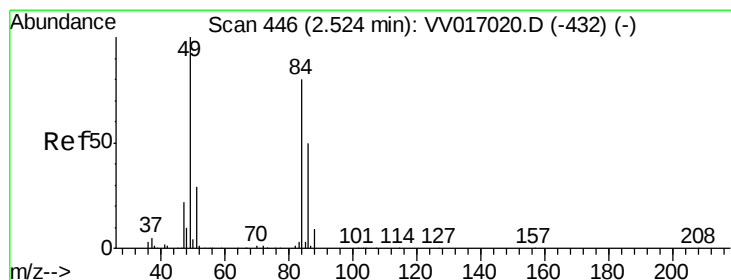
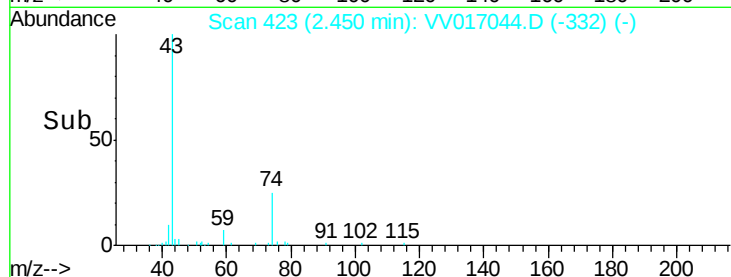
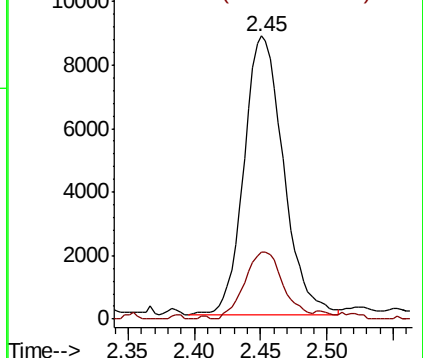
43 100

74 23.8 19.1 28.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.675 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

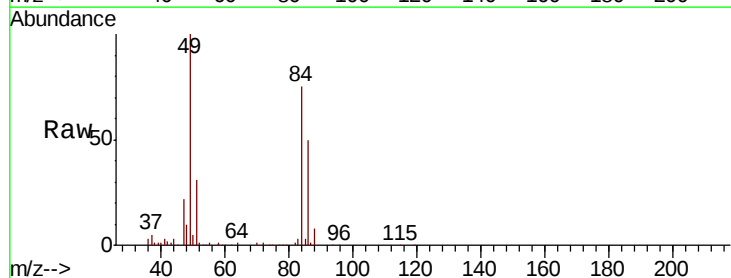
Tgt Ion: 84 Resp: 46414

Ion Ratio Lower Upper

84 100

86 67.0 45.8 85.0

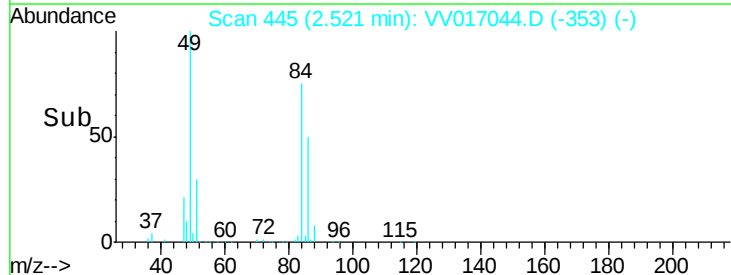
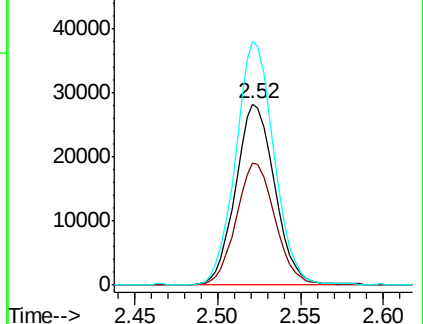
49 134.2 89.6 166.4

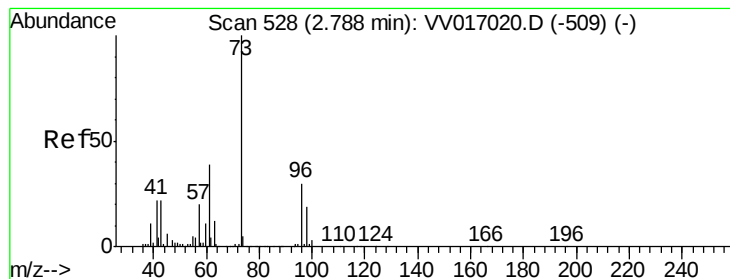


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



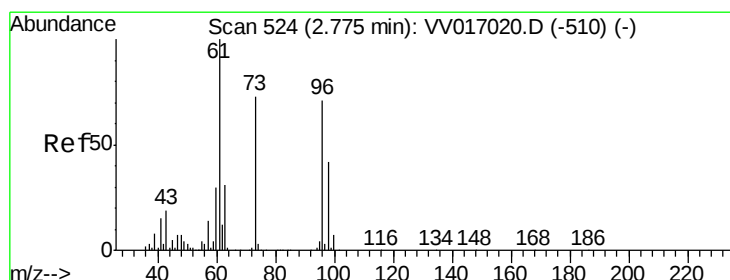
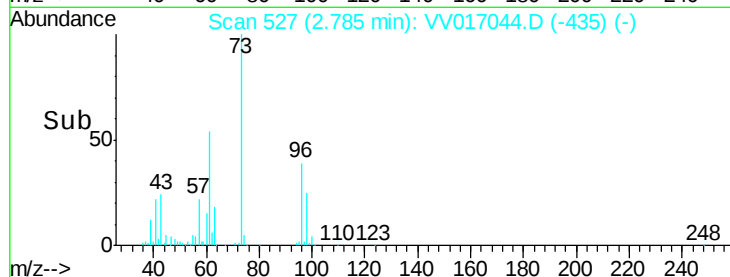
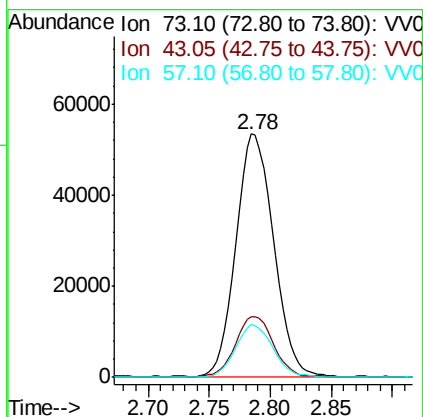
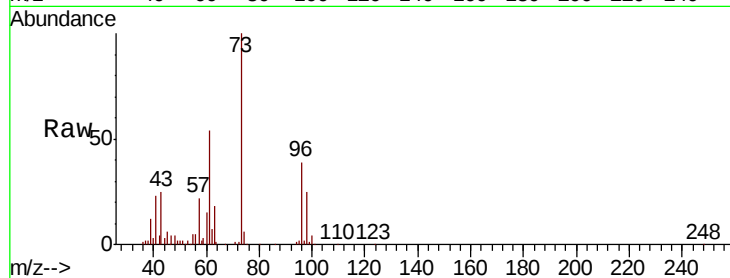


#17

Methvl tert-butvl Ether
 Concen: 4.945 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

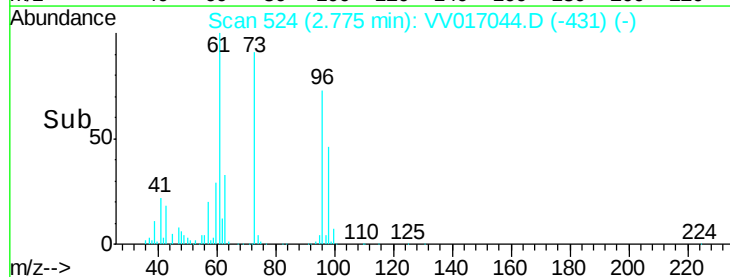
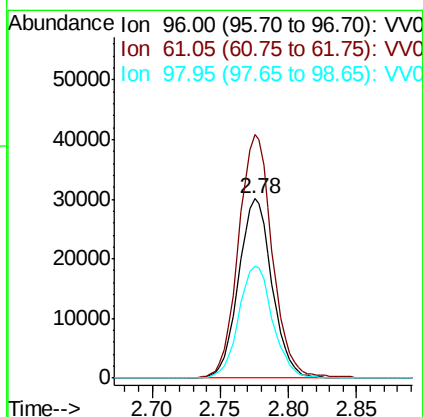
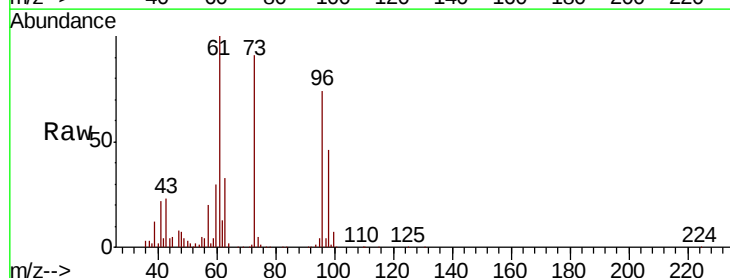
Tot Ion: 73 Resp: 115091
 Ion Ratio Lower Upper
 73 100
 43 24.6 18.6 28.0
 57 21.6 16.4 24.6

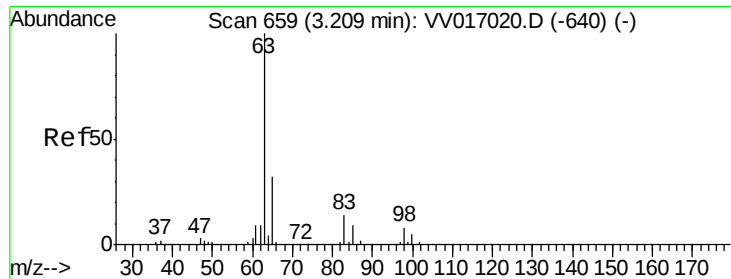


#18

trans-1,2-Dichloroethene
 Concen: 5.209 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion: 96 Resp: 51170
 Ion Ratio Lower Upper
 96 100
 61 135.9 102.3 189.9
 98 62.7 44.7 82.9

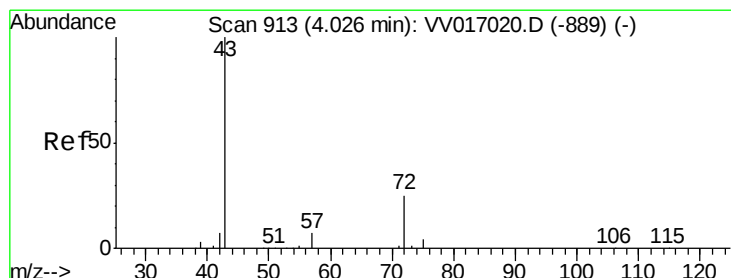
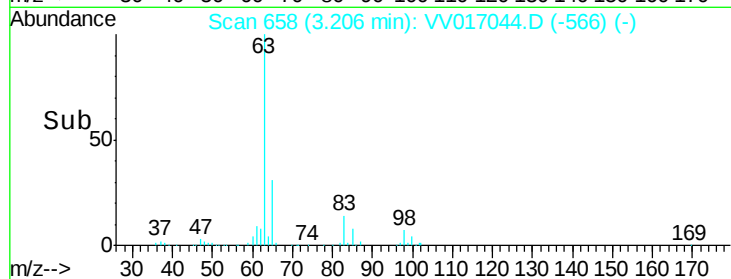
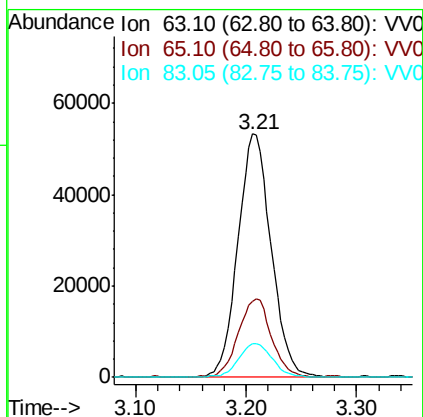
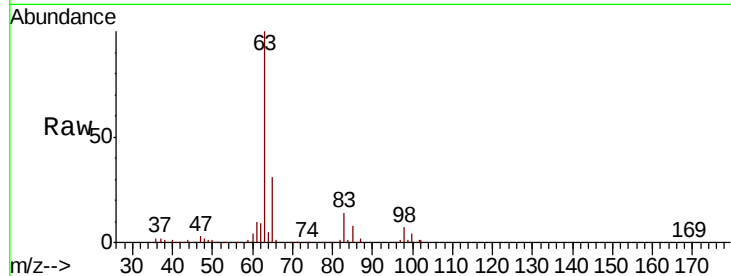




#19
 1,1-Dichloroethane
 Concen: 5.043 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

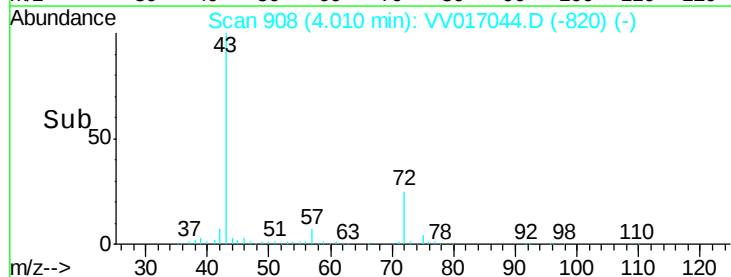
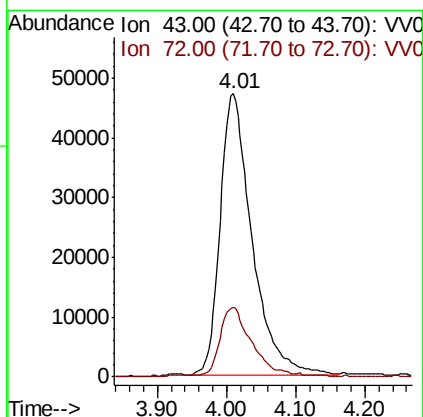
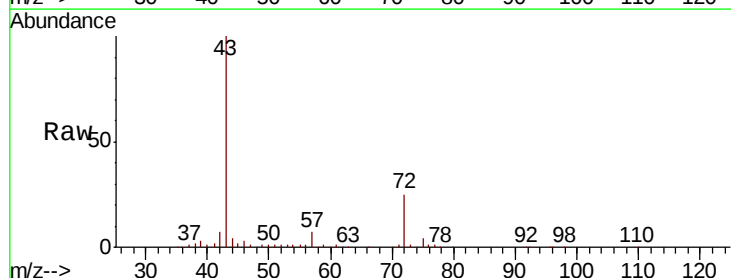
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

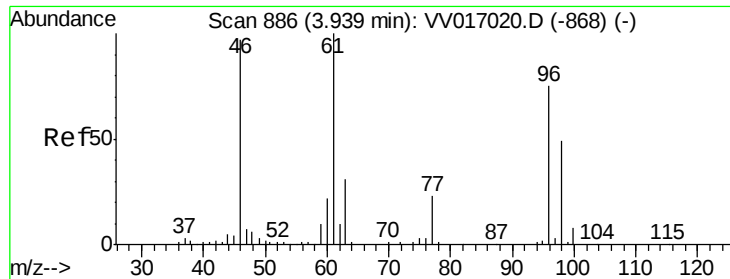
Tot Ion: 63 Resp: 111294
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.4
 83 14.0 9.7 17.9



#21
 2-Butanone
 Concen: 53.450 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion: 43 Resp: 150477
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.4 37.4



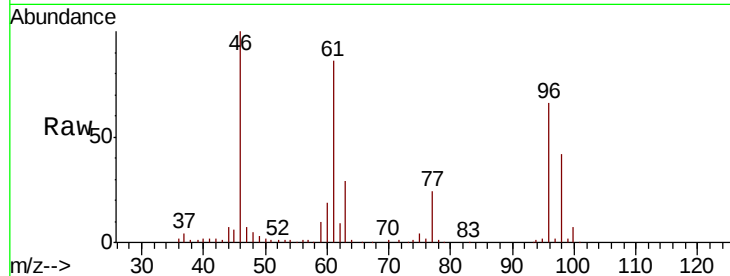


#22

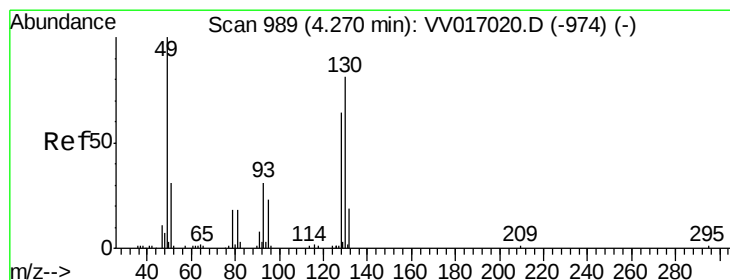
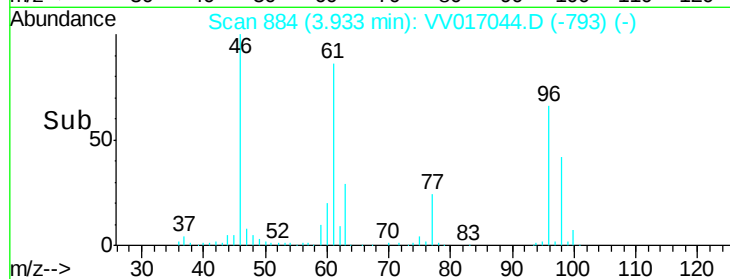
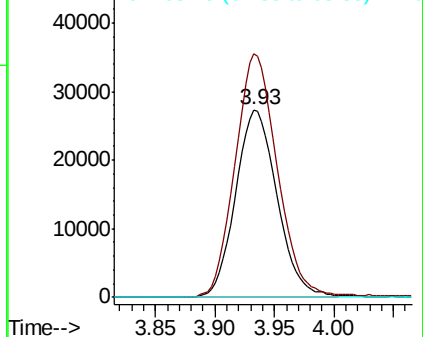
cis-1,2-Dichloroethene
 Concen: 4.918 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	91.0	169.0
68	0.0	0.0	0.0



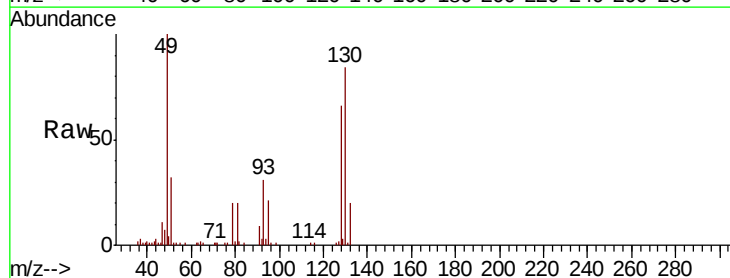
Abundance Ion 96.00 (95.70 to 96.70): VV017020.D (-868) (-)



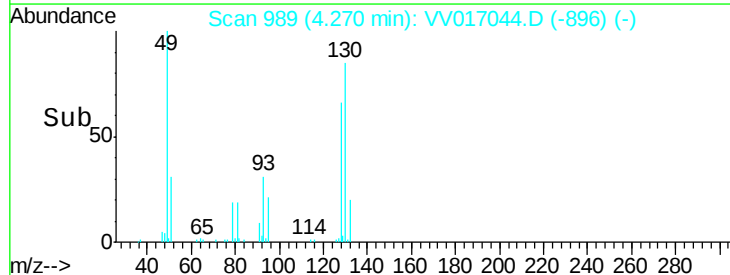
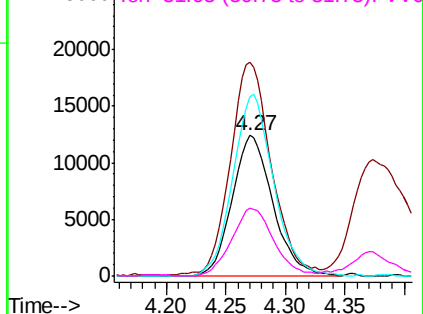
#23

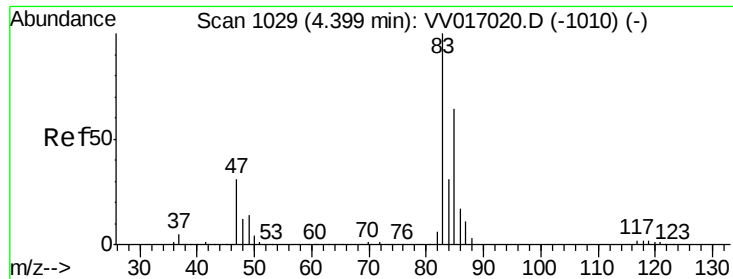
Bromochloromethane
 Concen: 5.147 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion	Ratio	Lower	Upper
128	100		
49	152.1	110.8	205.8
130	128.0	86.0	159.8
51	48.4	39.4	59.2



Abundance Ion 127.90 (127.60 to 128.60): VV017020.D (-974) (-)

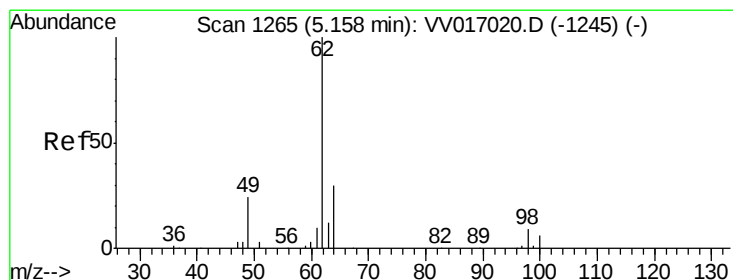
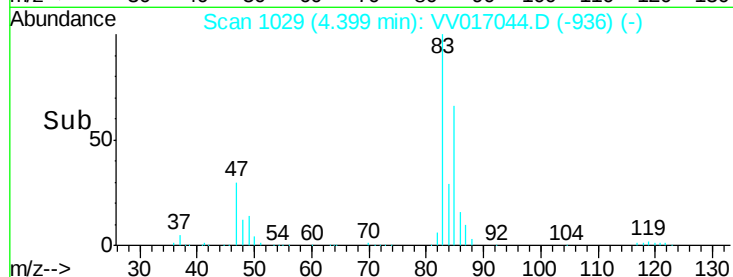
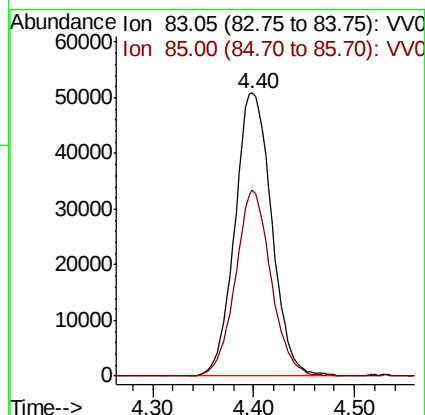
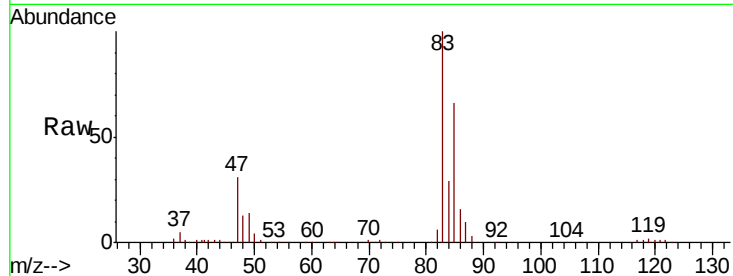




#25
Chloroform
Concen: 5.335 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

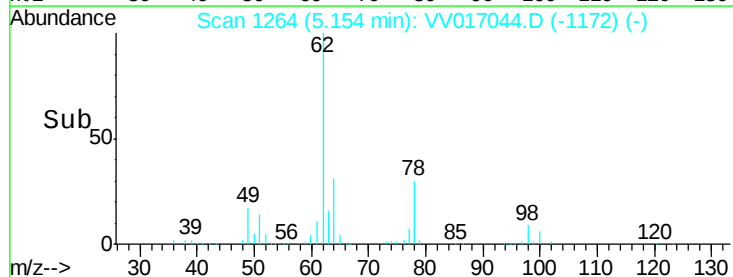
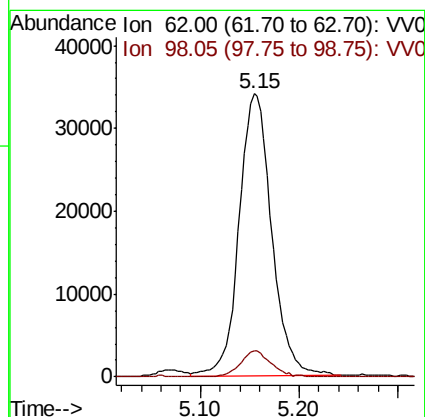
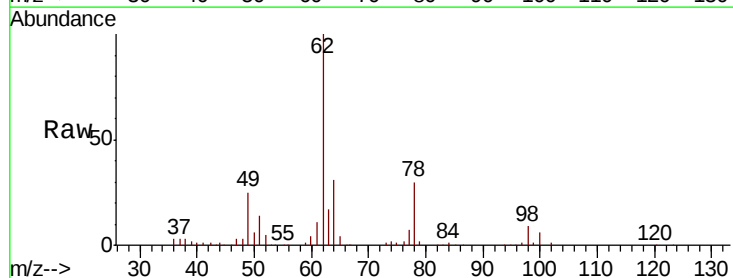
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

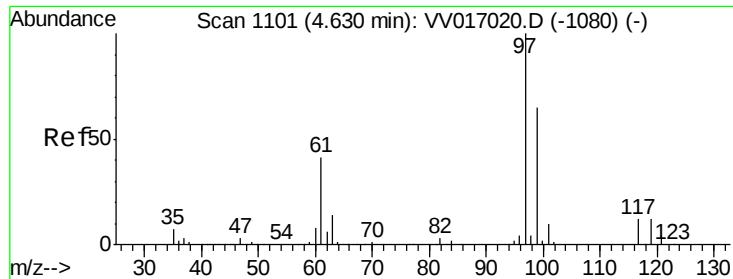
Tot Ion: 83 Resp: 128614
Ion Ratio Lower Upper
83 100
85 65.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.222 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Tgt Ion: 62 Resp: 78207
Ion Ratio Lower Upper
62 100
98 9.4 6.7 10.1

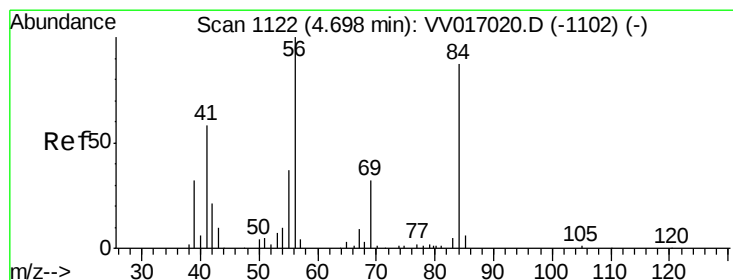
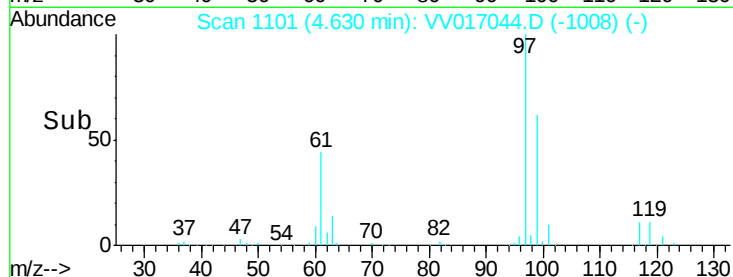
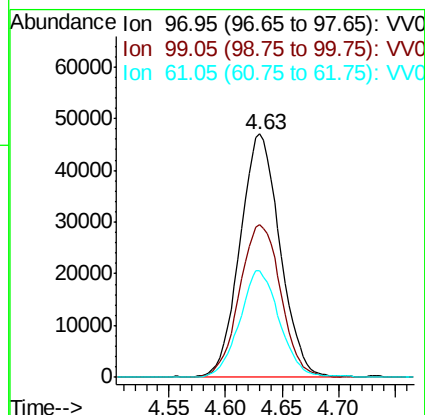
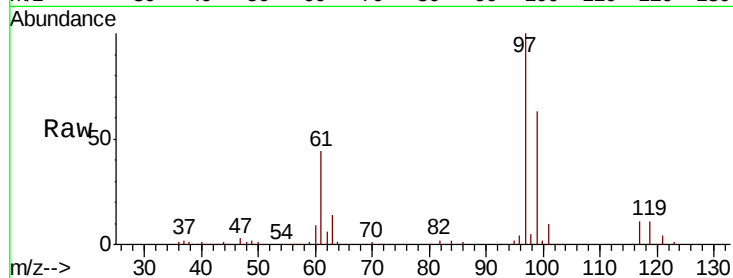




#29
1,1,1-Trichloroethane
Concen: 5.103 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

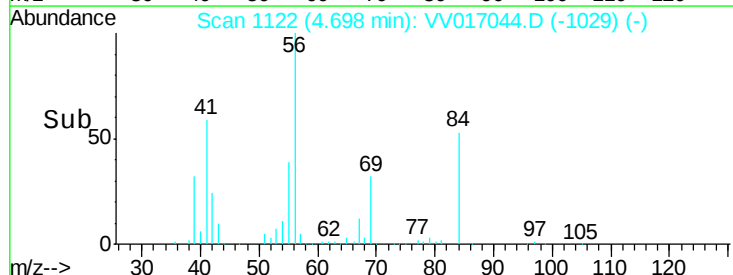
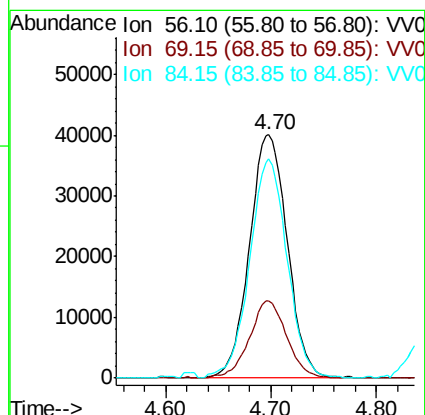
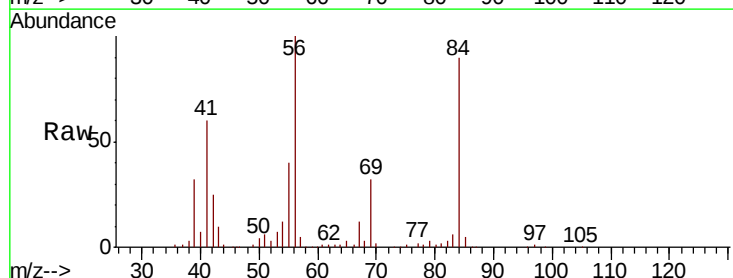
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

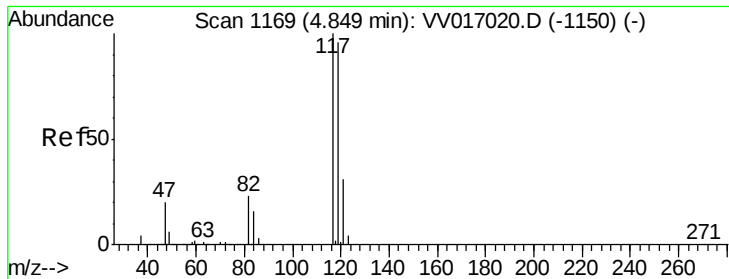
Tot Ion: 97 Resp: 115764
Ion Ratio Lower Upper
97 100
99 64.7 50.3 75.5
61 43.7 36.0 54.0



#30
Cyclohexane
Concen: 4.645 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Tgt Ion: 56 Resp: 100260
Ion Ratio Lower Upper
56 100
69 31.2 24.4 36.6
84 89.4 69.9 104.9

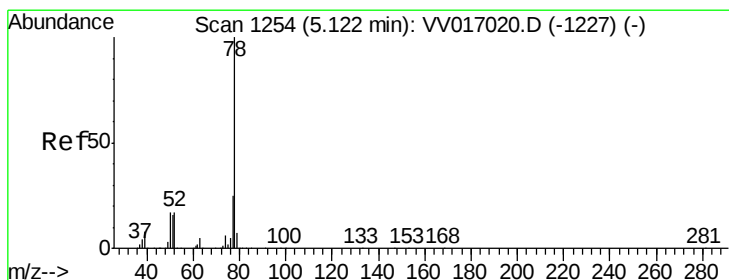
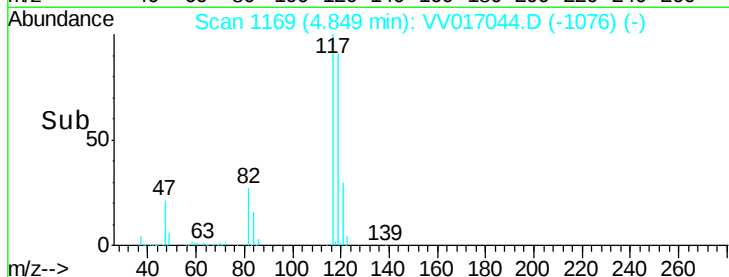
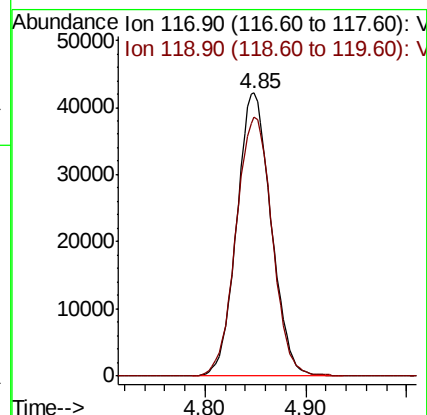
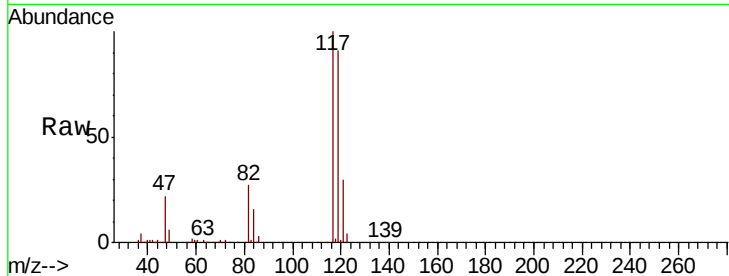




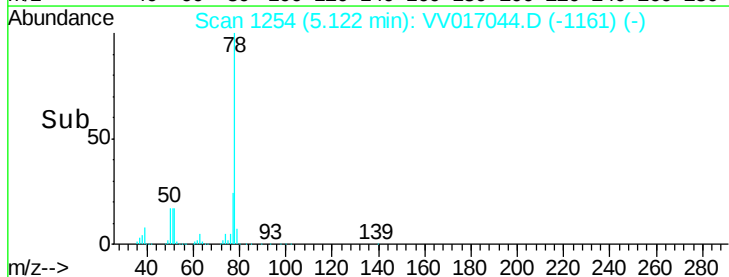
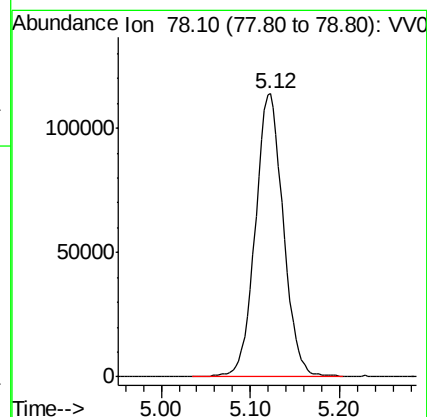
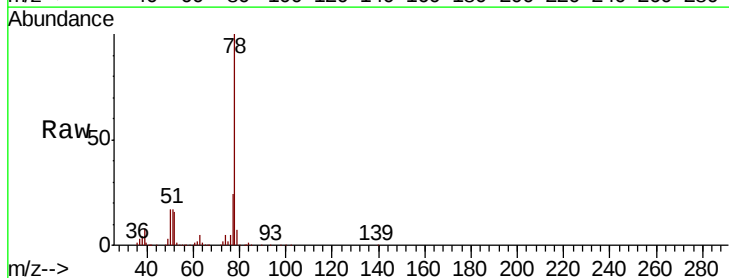
#31
Carbon tetrachloride
Concen: 4.883 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

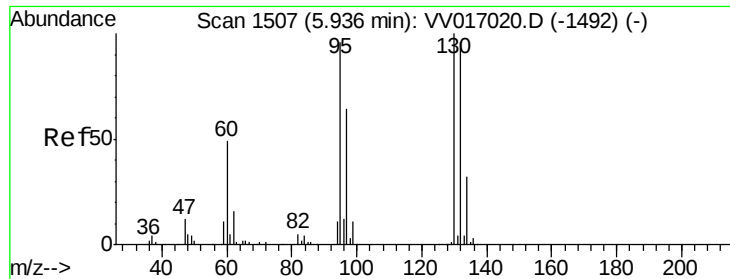
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tot Ion:117 Resp: 99943
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.8



#33
Benzene
Concen: 5.031 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59
Tgt Ion: 78 Resp: 249474

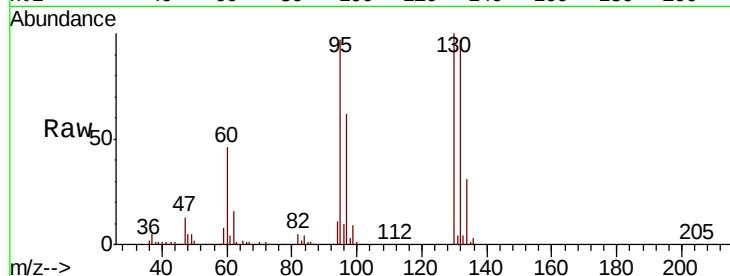




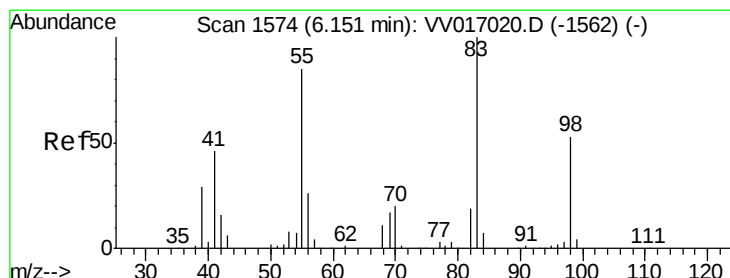
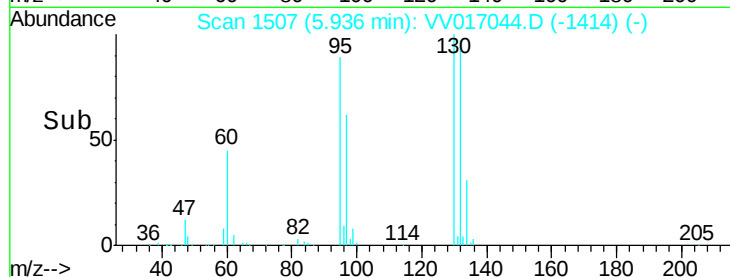
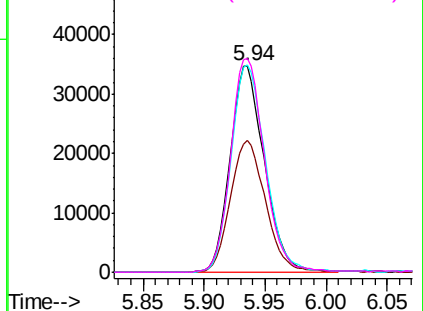
#34
 Trichloroethene
 Concen: 4.678 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00554

Tot Ion:	95	Resp:	67920
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.3	84.1
132	100.4	68.8	127.8
130	103.4	70.2	130.4

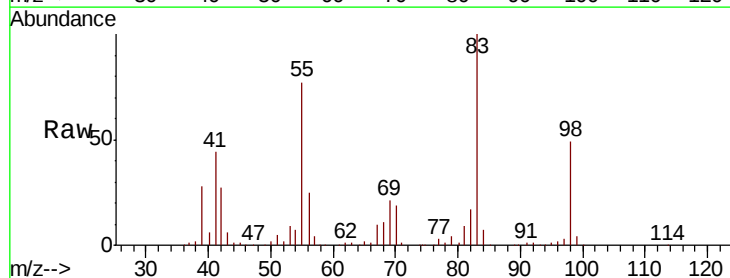


Abundance Ion 95.00 (94.70 to 95.70): VV017044.D (-1414) (-)
 Ion 96.95 (96.65 to 97.65): VV017044.D (-1414) (-)
 Ion 131.95 (131.65 to 132.65): VV017044.D (-1414) (-)
 Ion 129.95 (129.65 to 130.65): VV017044.D (-1414) (-)

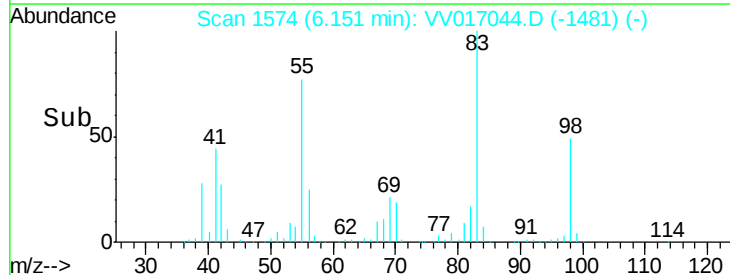
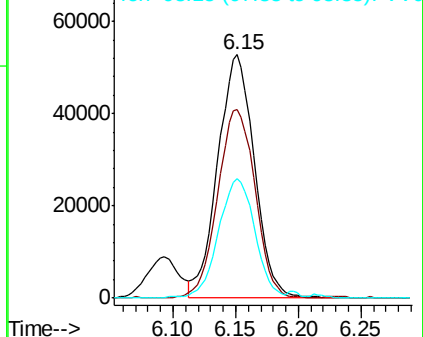


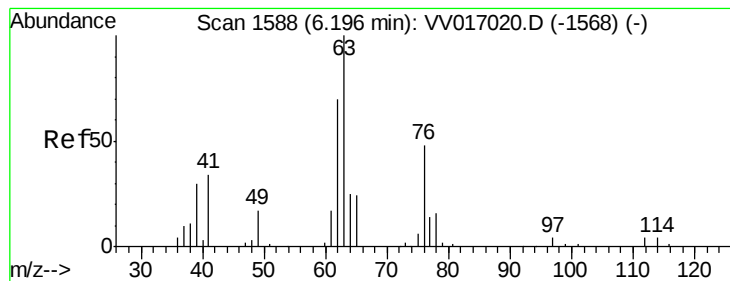
#35
 Methylcyclohexane
 Concen: 4.712 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion:	83	Resp:	106351
Ion	Ratio	Lower	Upper
83	100		
55	80.0	63.6	95.4
98	49.1	38.8	58.2



Abundance Ion 83.15 (82.85 to 83.85): VV017044.D (-1481) (-)
 Ion 55.10 (54.80 to 55.80): VV017044.D (-1481) (-)
 Ion 98.15 (97.85 to 98.85): VV017044.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 4.959 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

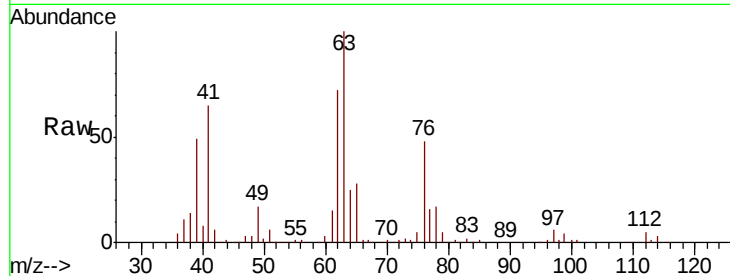
VSTD00554

Tot Ion: 63 Resp: 60872

Ion Ratio Lower Upper

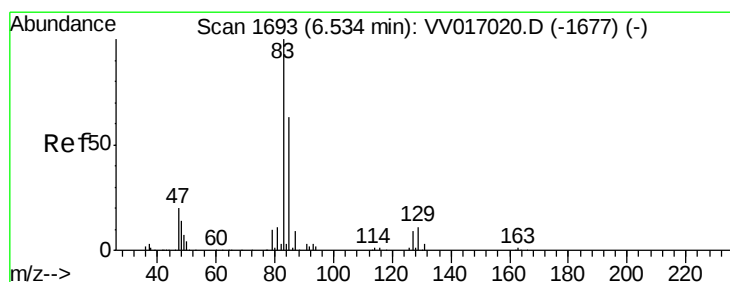
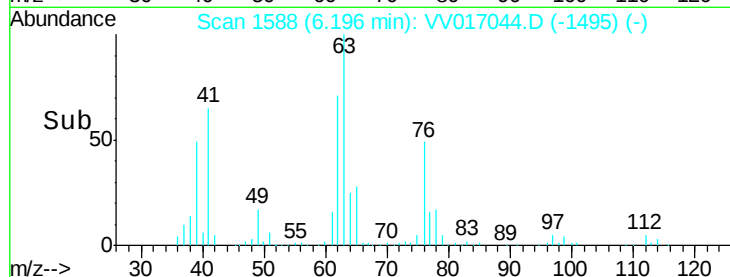
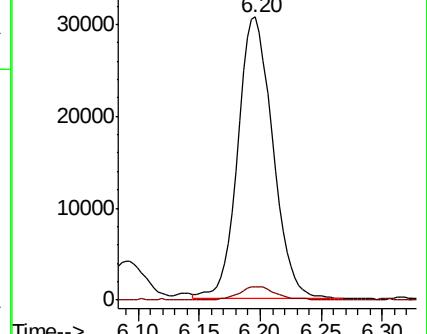
63 100

112 5.1 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV017020.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV017020.D (-1568) (-)



#38

Bromodichloromethane

Concen: 4.863 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

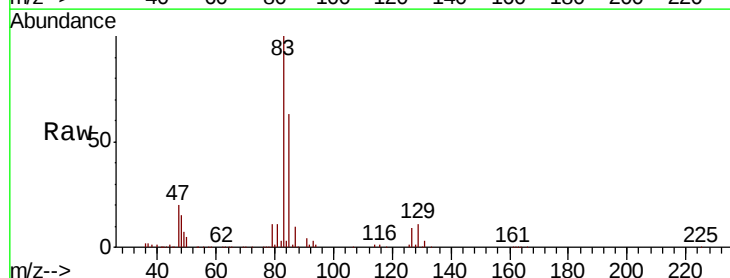
Tgt Ion: 83 Resp: 81084

Ion Ratio Lower Upper

83 100

85 63.1 43.4 80.6

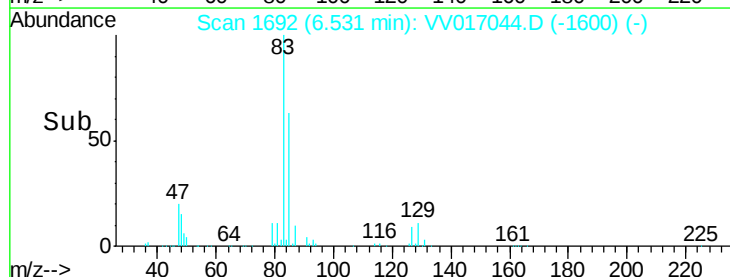
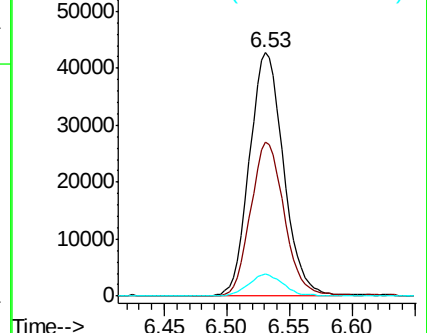
127 8.9 7.9 11.9

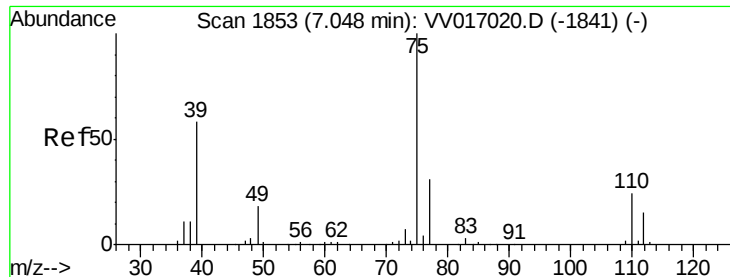


Abundance Ion 82.95 (82.65 to 83.65): VV017020.D (-1677) (-)

Ion 85.00 (84.70 to 85.70): VV017020.D (-1677) (-)

Ion 126.90 (126.60 to 127.60): VV017020.D (-1677) (-)

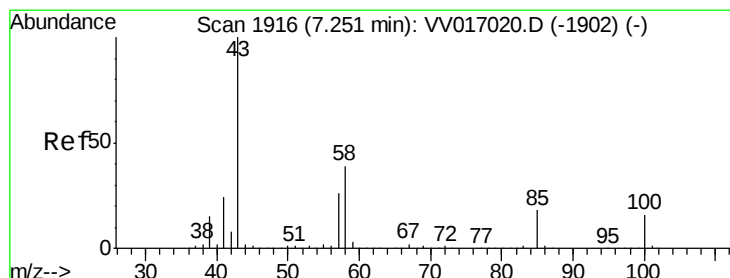
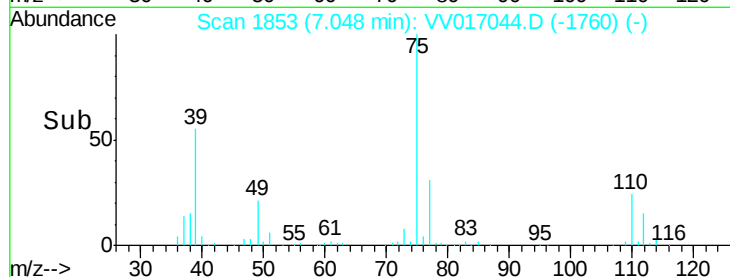
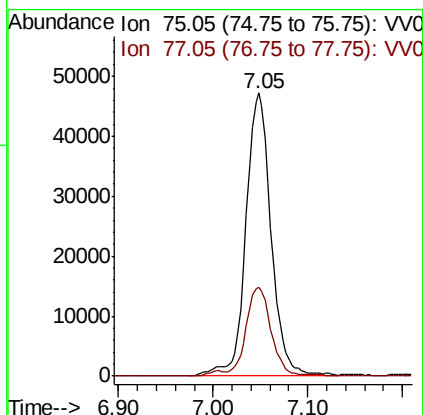
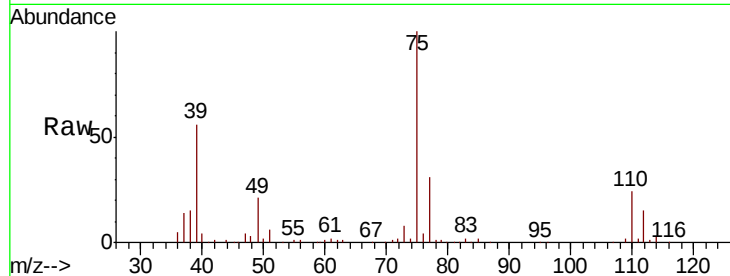




#39
 cis-1,3-Dichloropropene
 Concen: 4.808 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

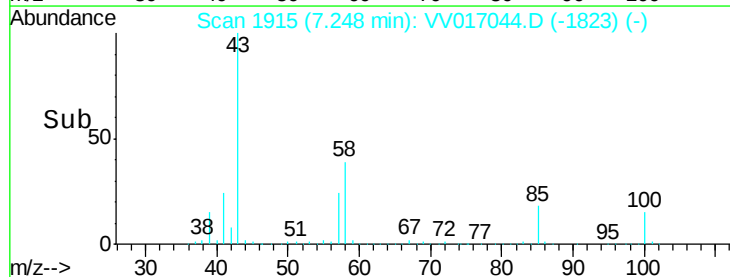
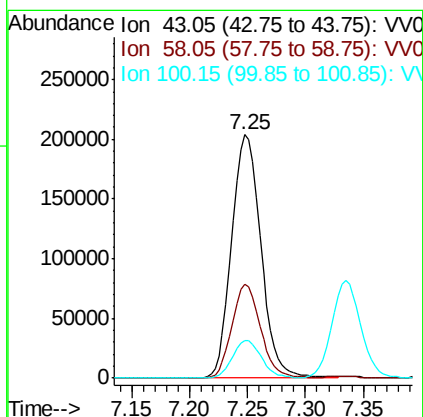
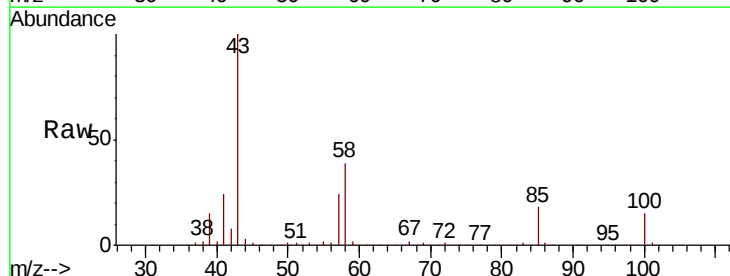
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

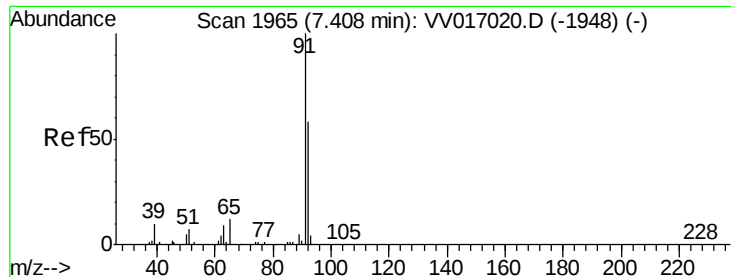
Tot Ion: 75 Resp: 87683
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 50.282 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion: 43 Resp: 356334
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.4 45.6
 100 15.3 12.7 19.1





#42

Toluene

Concen: 4.785 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

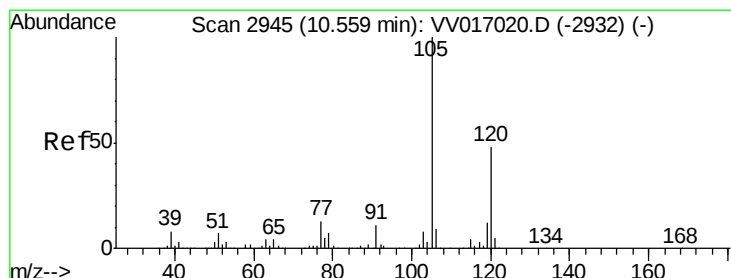
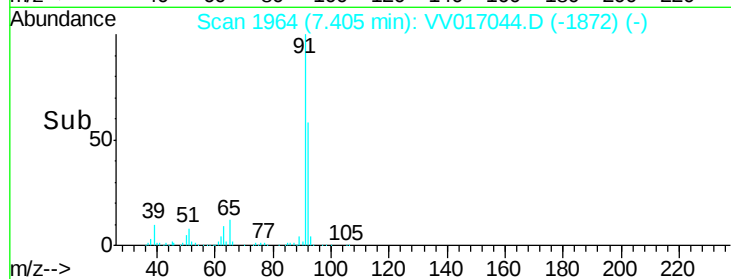
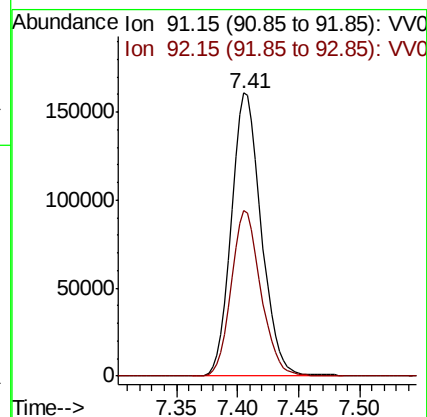
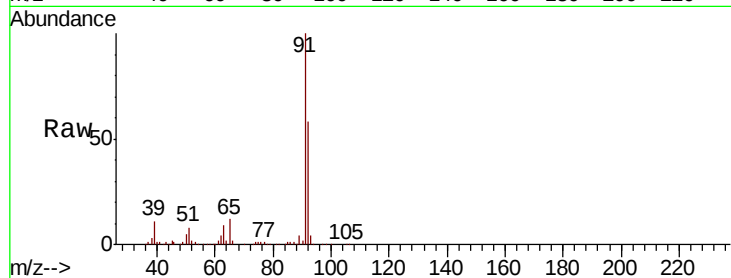
VSTD00554

Tot Ion: 91 Resp: 275819

Ion Ratio Lower Upper

91 100

92 58.4 39.9 74.1



#43

1,3,5-Trimethylbenzene

Concen: 4.931 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017044.D

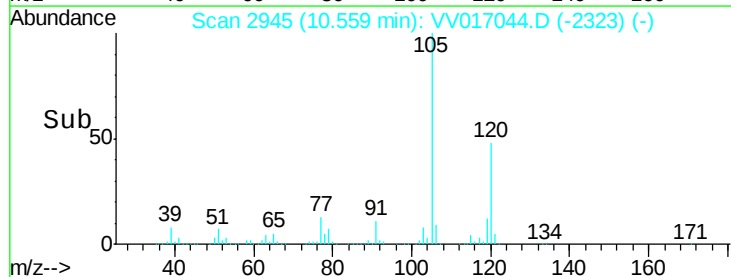
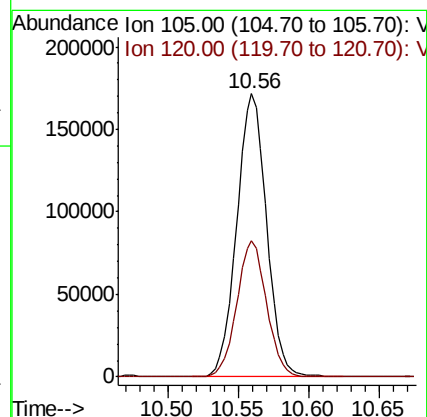
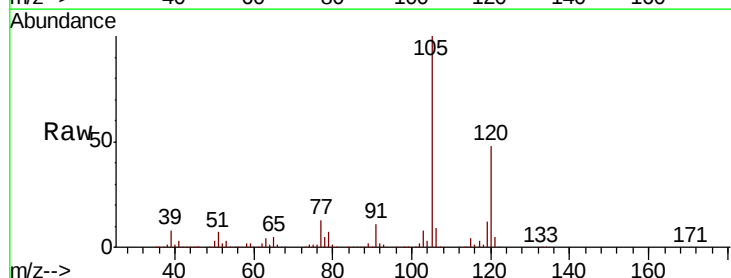
Acq: 23 Jun 2020 09:59

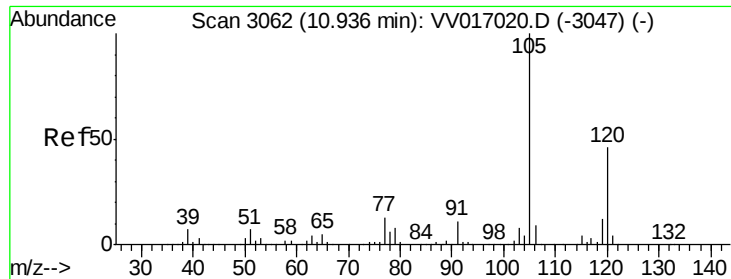
Tgt Ion: 105 Resp: 254192

Ion Ratio Lower Upper

105 100

120 47.9 38.6 57.8

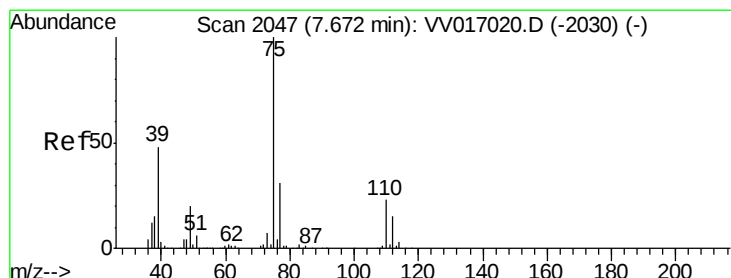
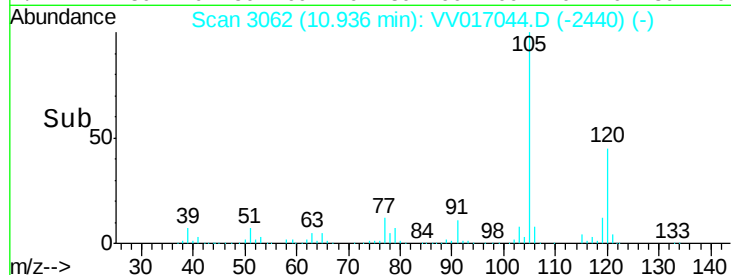
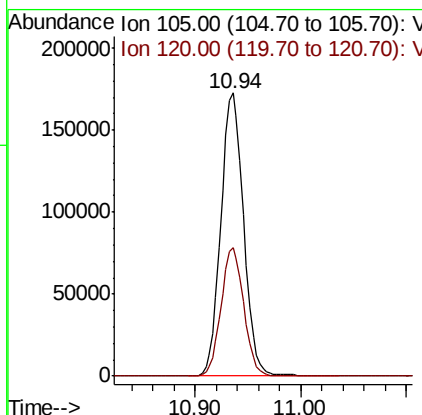
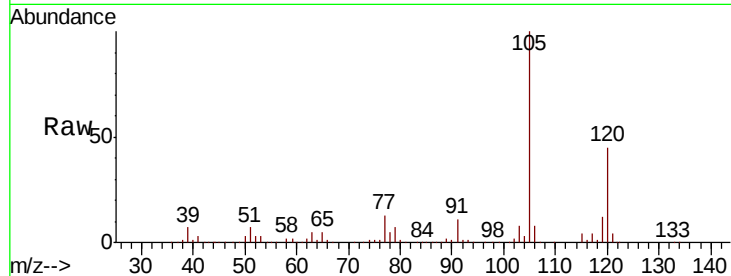




#44
 1,2,4-Trimethylbenzene
 Concen: 4.914 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

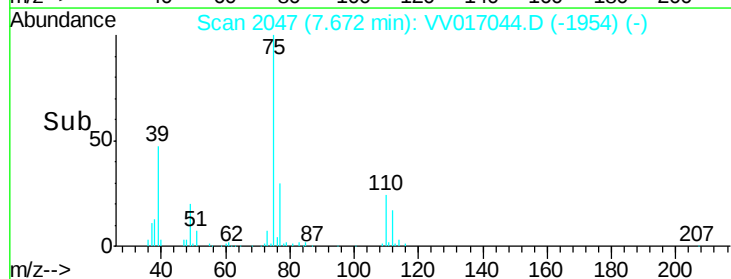
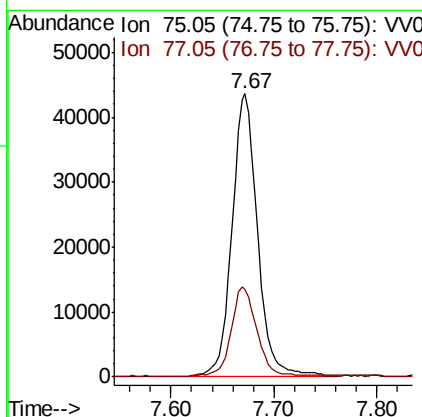
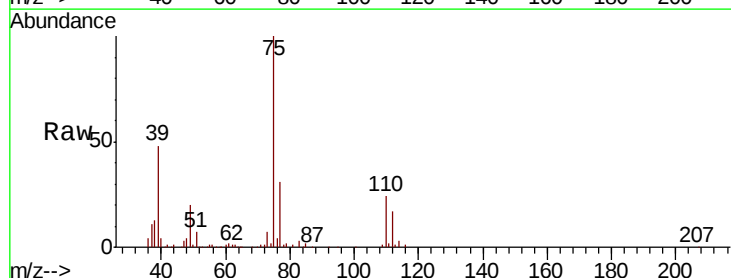
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

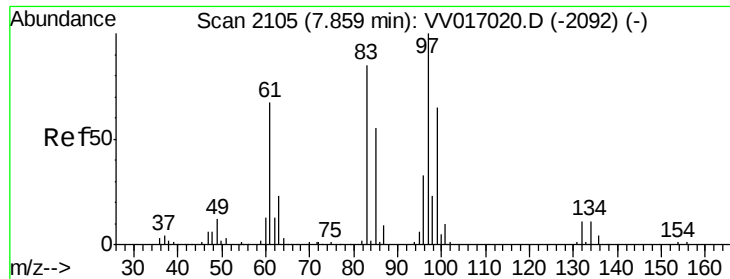
Tot Ion:105 Resp: 257923
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.799 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion: 75 Resp: 75700
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.3

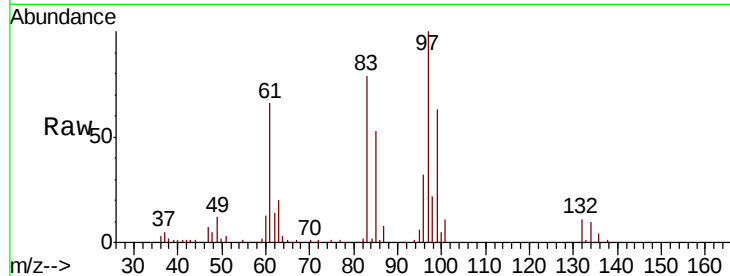




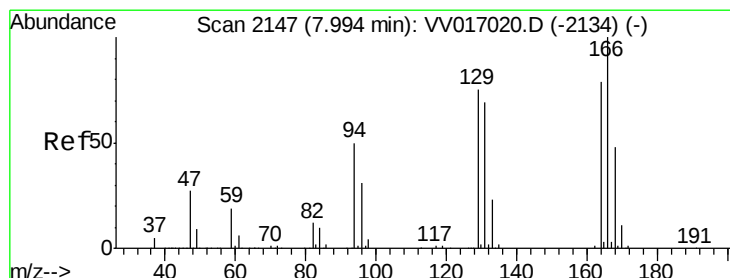
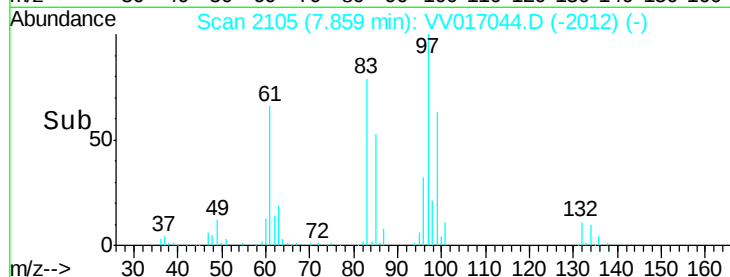
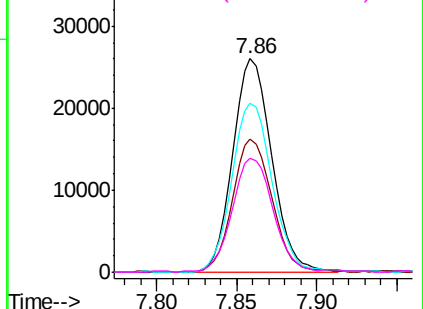
#47
 1,1,2-Trichloroethane
 Concen: 4.967 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tot Ion:	97	Resp:	43241
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.6	81.0
83	79.0	57.4	106.6
85	53.2	38.8	72.0

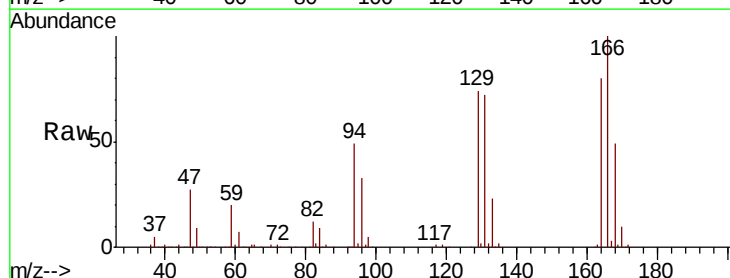


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

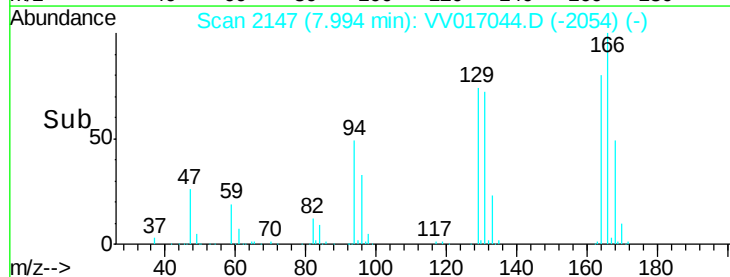
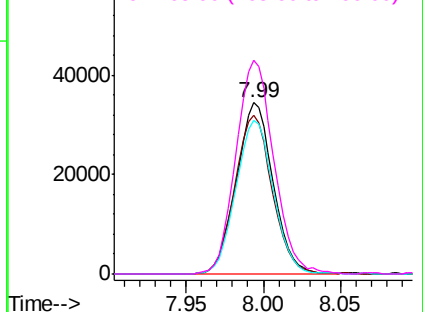


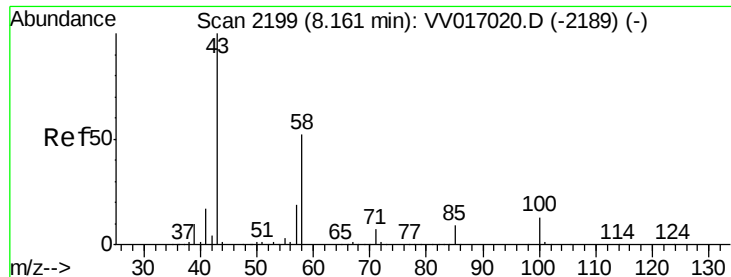
#49
 Tetrachloroethene
 Concen: 4.860 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion:	164	Resp:	56795
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.2	121.0
131	90.1	64.1	119.1
166	124.9	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

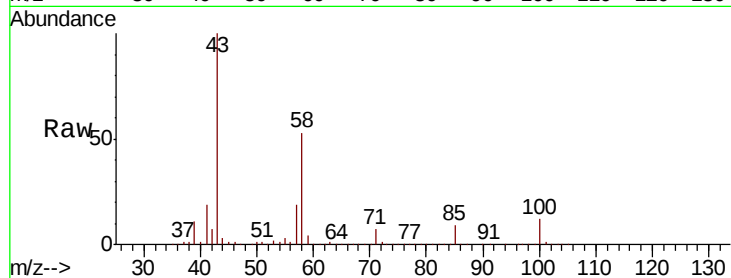




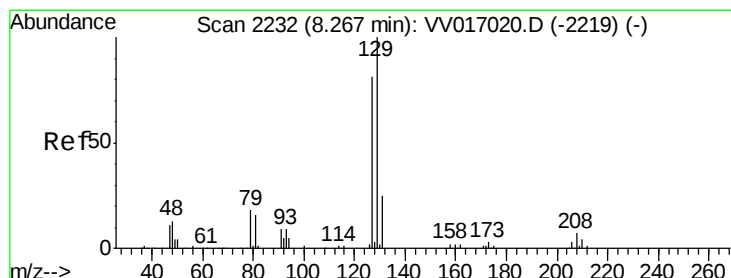
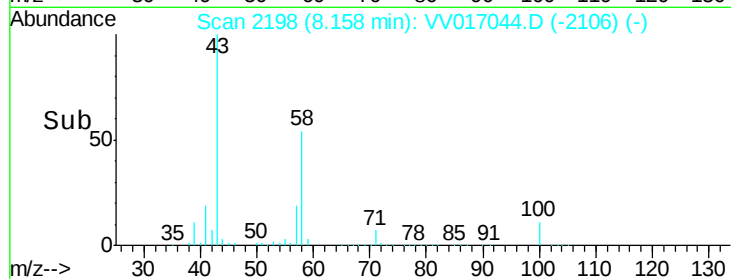
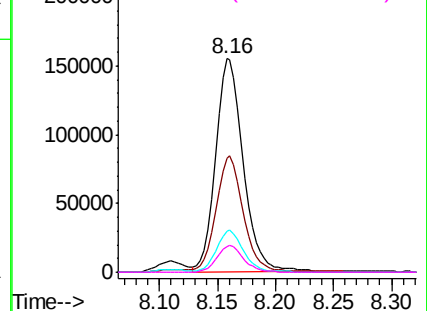
#50
2-Hexanone
Concen: 51.394 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tot Ion: 43 Resp: 259193
Ion Ratio Lower Upper
43 100
58 53.8 41.6 62.4
57 19.1 15.4 23.0
100 11.9 10.1 15.1

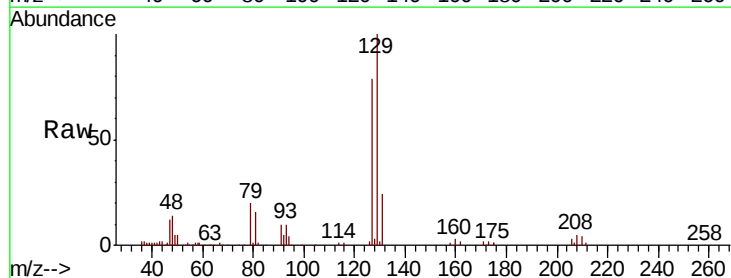


Abundance Ion 43.05 (42.75 to 43.75): VV017044.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV017044.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV017044.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV017044.D (-2106) (-)

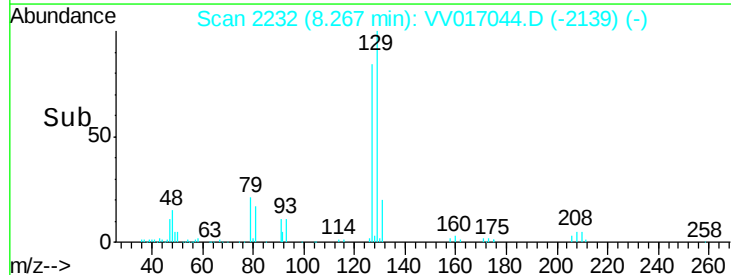
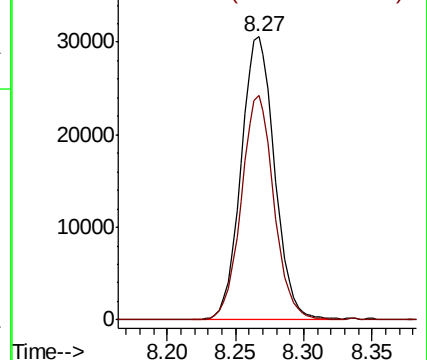


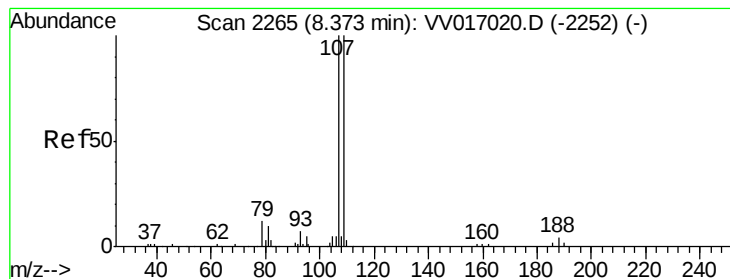
#51
Dibromochloromethane
Concen: 4.951 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Tgt Ion: 129 Resp: 52248
Ion Ratio Lower Upper
129 100
127 79.3 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017044.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017044.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 4.828 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

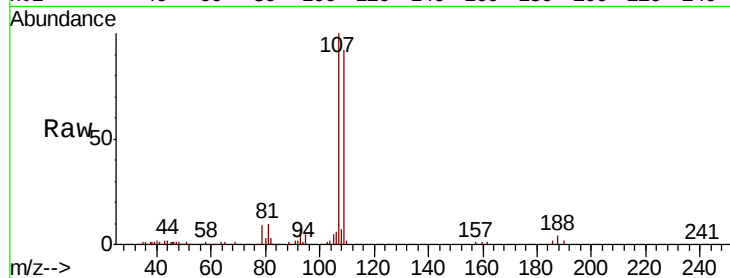
Tot Ion:107 Resp: 39857

Ion Ratio Lower Upper

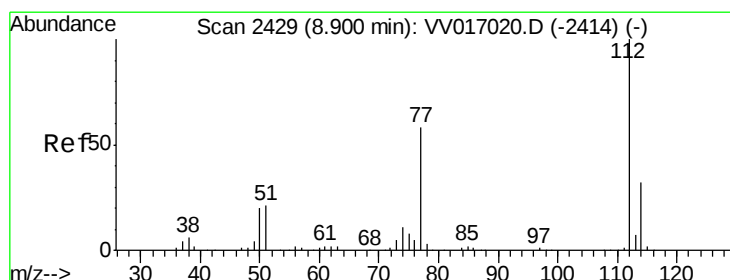
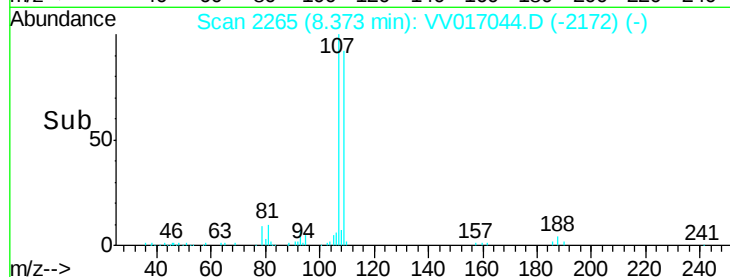
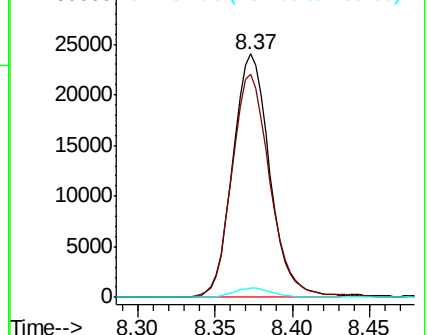
107 100

109 91.8 69.4 128.8

188 3.7 3.9 5.9#



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: 4.847 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

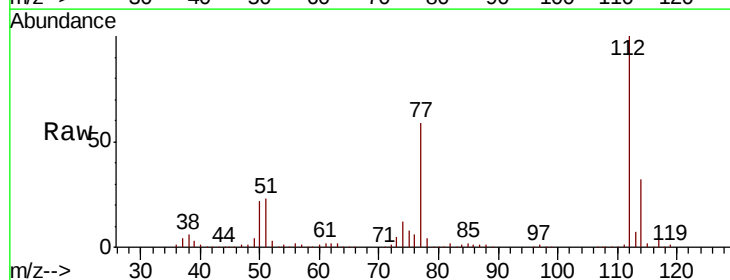
Tgt Ion:112 Resp: 174169

Ion Ratio Lower Upper

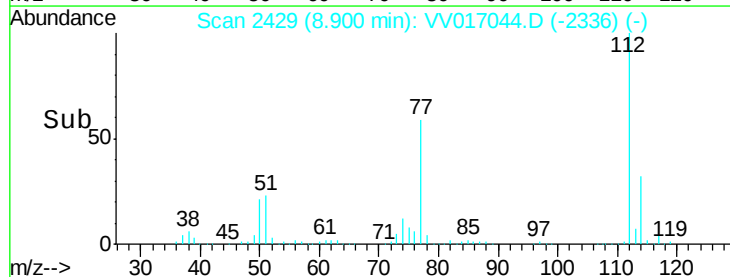
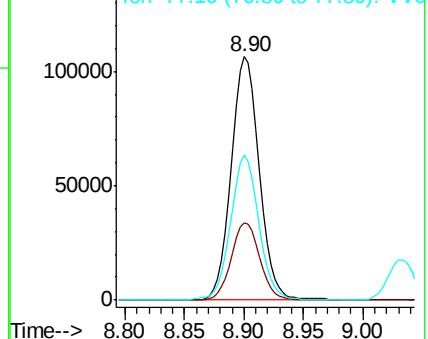
112 100

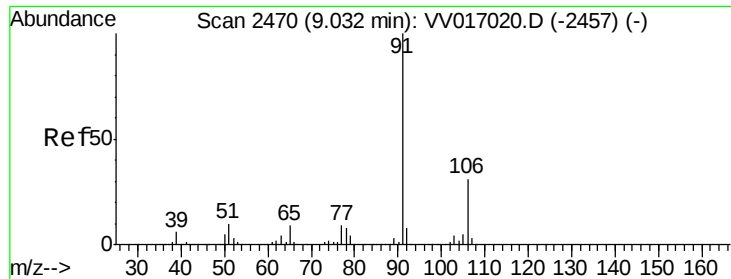
114 31.8 22.0 41.0

77 59.4 46.0 69.0



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: 4.898 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

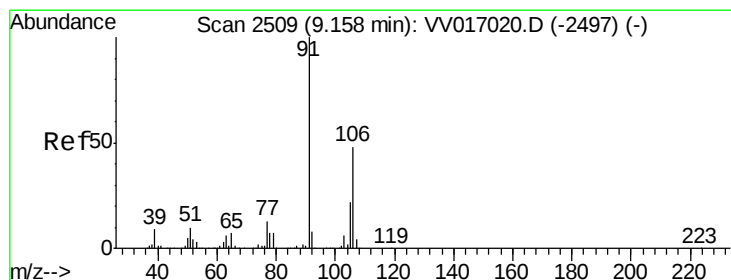
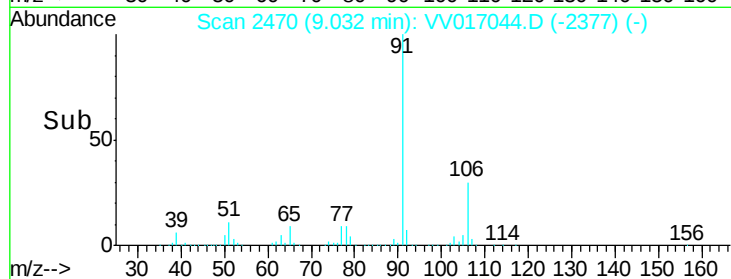
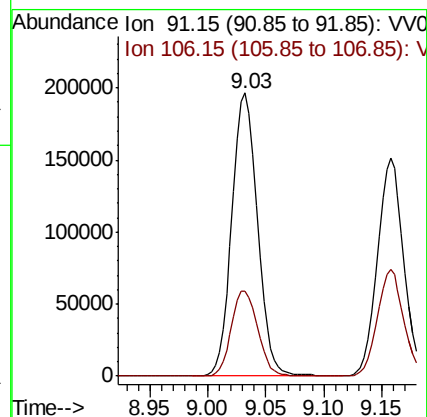
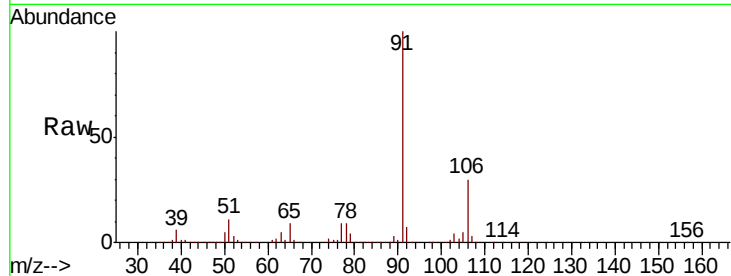
VSTD00554

Tot Ion: 91 Resp: 301397

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



#55

m,p-xylene

Concen: 4.839 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017044.D

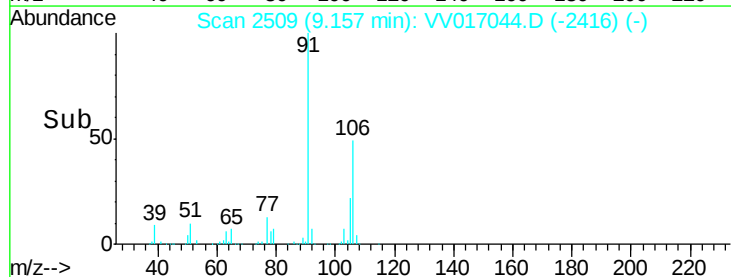
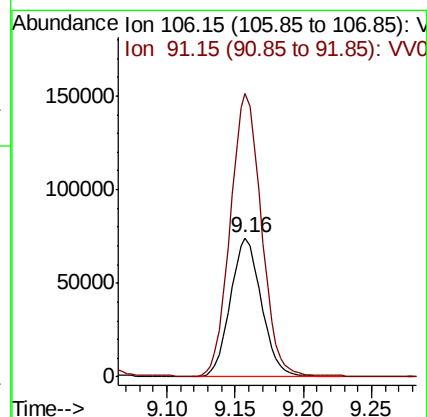
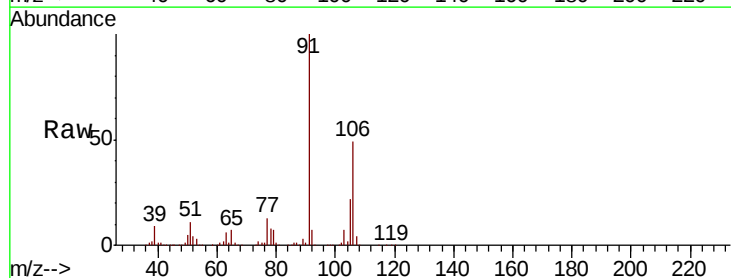
Acq: 23 Jun 2020 09:59

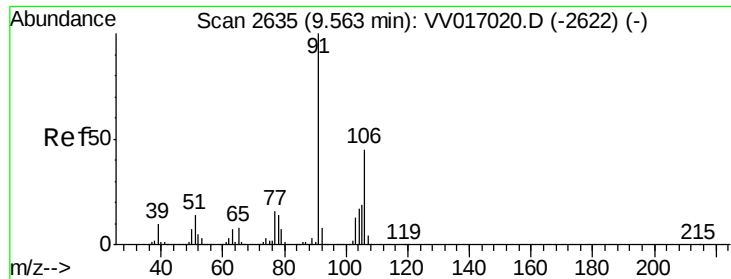
Tgt Ion: 106 Resp: 116793

Ion Ratio Lower Upper

106 100

91 203.6 142.7 264.9

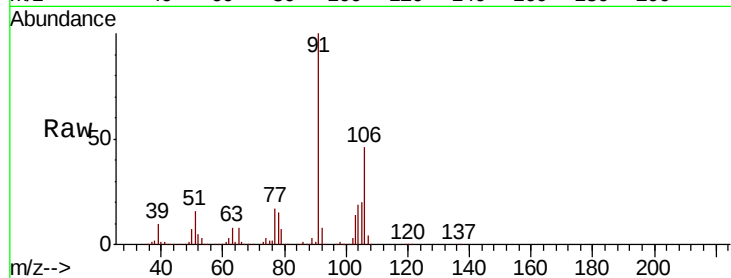




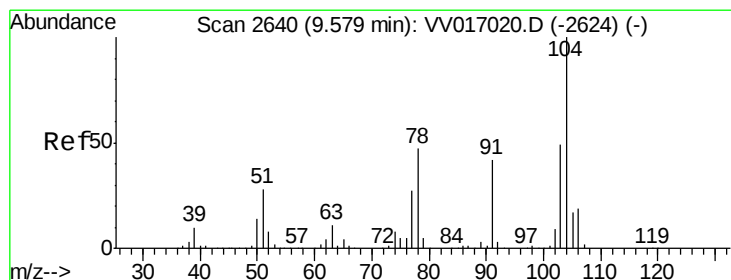
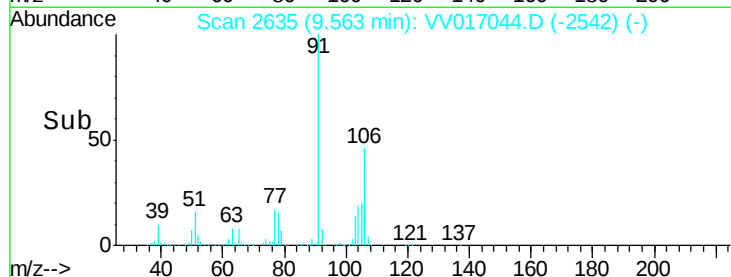
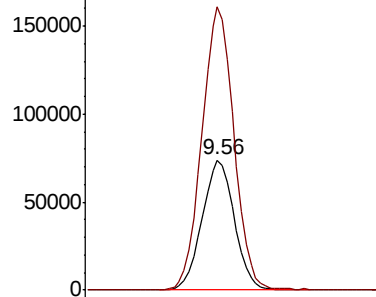
#56
o-xylene
Concen: 4.936 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tot Ion:106 Resp: 111174
Ion Ratio Lower Upper
106 100
91 218.1 153.6 285.2

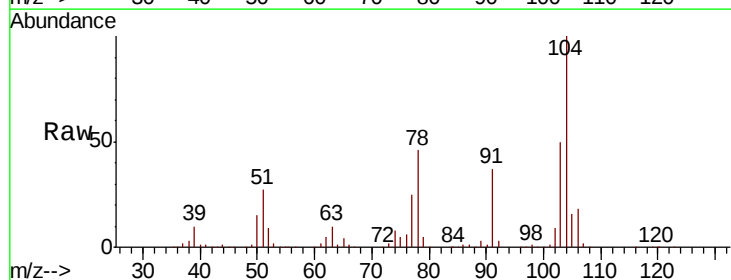


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

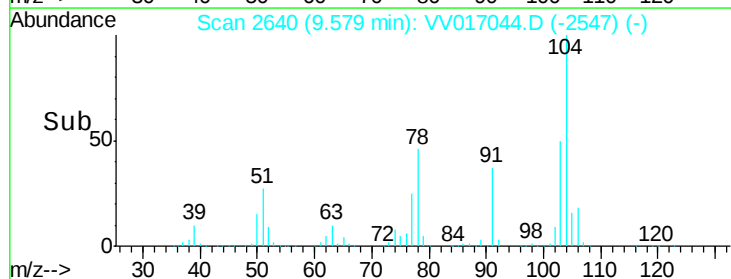
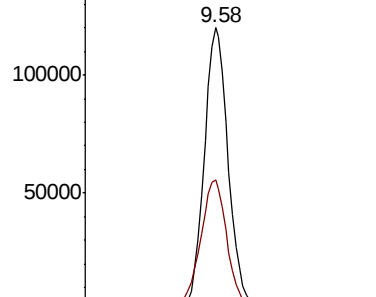


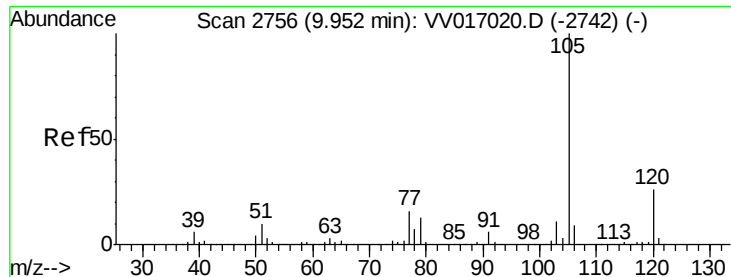
#57
Styrene
Concen: 5.139 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Tgt Ion:104 Resp: 191765
Ion Ratio Lower Upper
104 100
78 46.4 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: 4.883 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampled :

VSTD00554

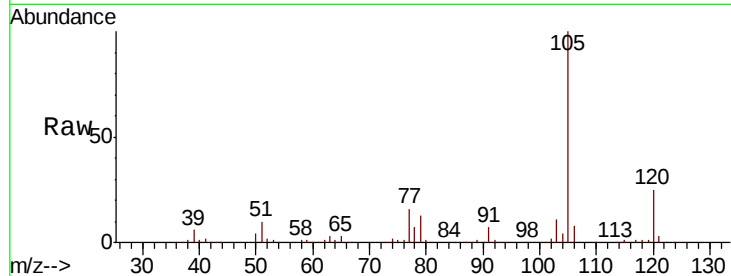
Tot Ion:105 Resp: 302637

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

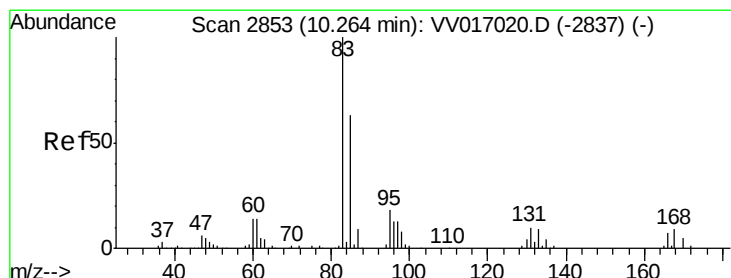
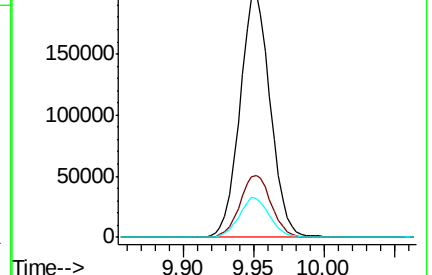
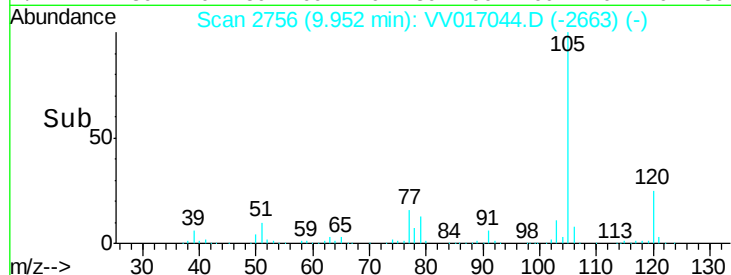
77 16.4 13.0 19.4



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: 5.154 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

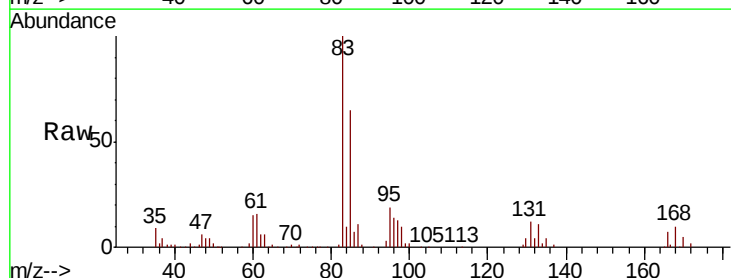
Tgt Ion: 83 Resp: 46410

Ion Ratio Lower Upper

83 100

85 65.1 42.9 79.7

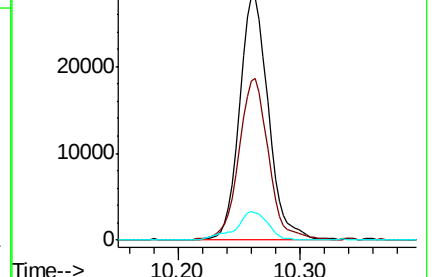
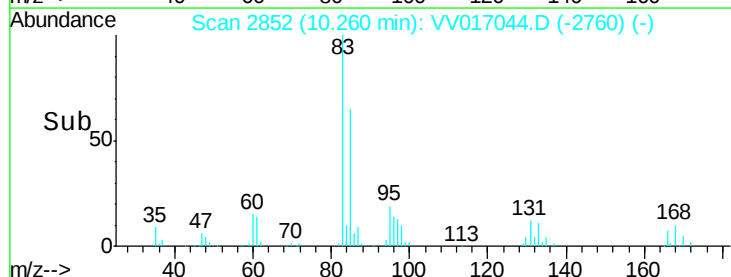
131 11.6 8.6 13.0

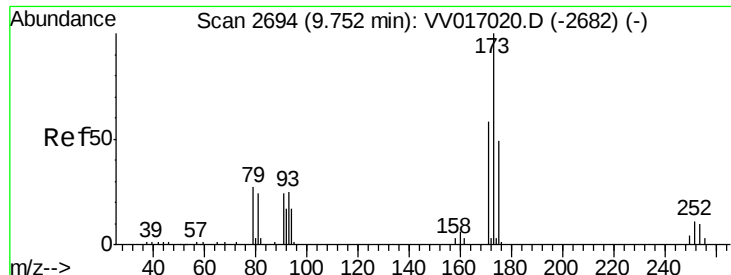


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.810 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

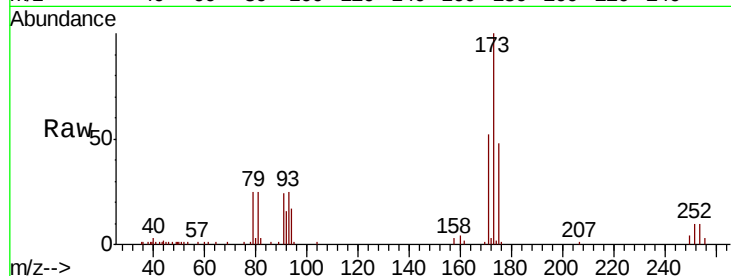
Tot Ion:173 Resp: 26084

Ion Ratio Lower Upper

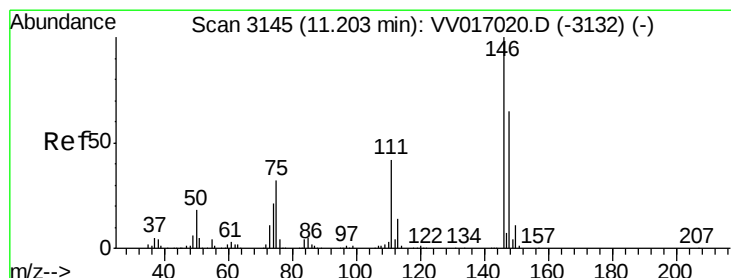
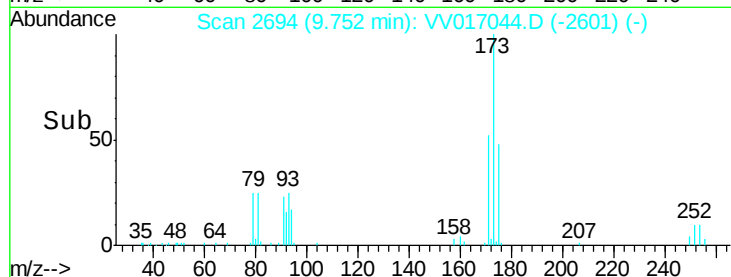
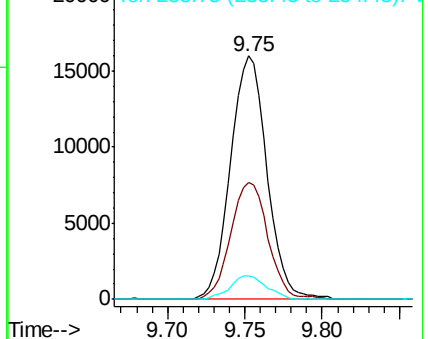
173 100

175 49.2 39.4 59.2

254 9.7 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: 4.922 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

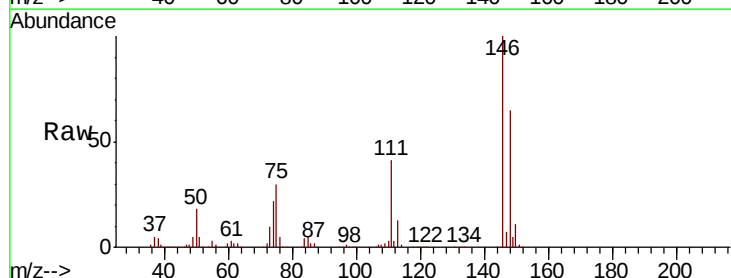
Tgt Ion:146 Resp: 150198

Ion Ratio Lower Upper

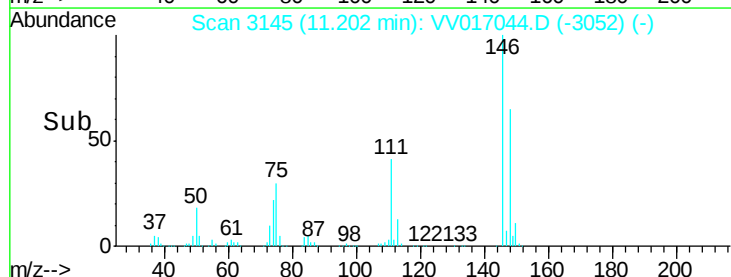
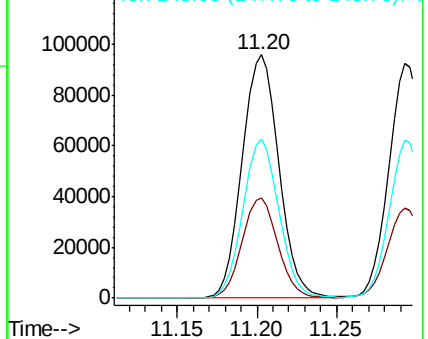
146 100

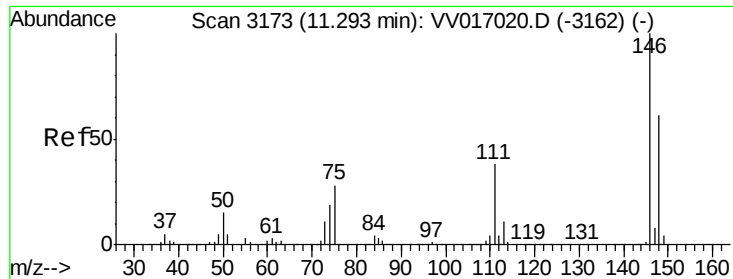
111 41.2 29.2 54.2

148 65.3 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: 4.708 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampled :

VSTD00554

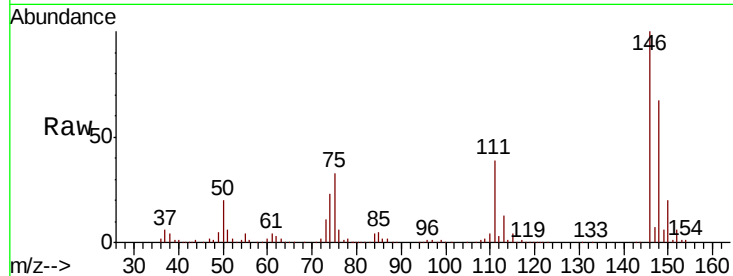
Tot Ion:146 Resp: 146044

Ion Ratio Lower Upper

146 100

111 38.6 27.4 50.8

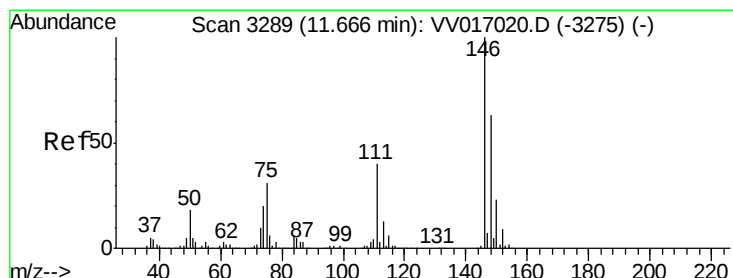
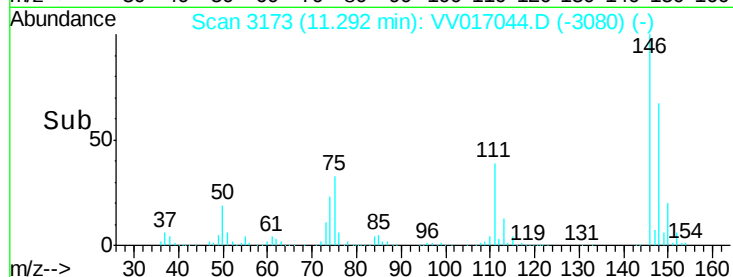
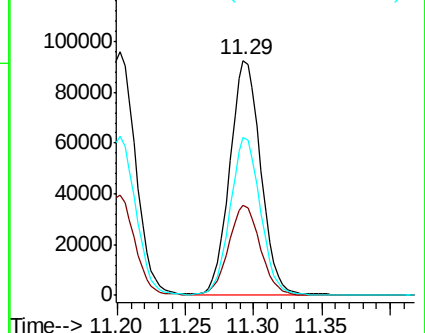
148 67.2 44.3 82.3



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: 4.794 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

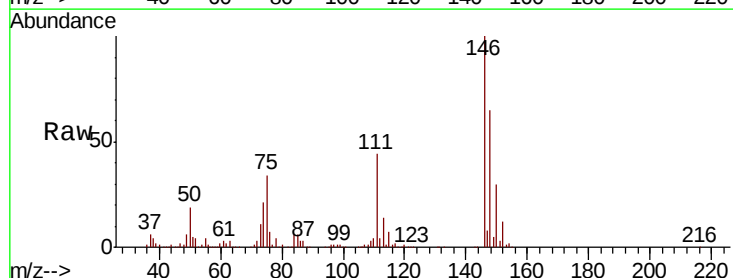
Tgt Ion:146 Resp: 132784

Ion Ratio Lower Upper

146 100

111 44.2 34.4 51.6

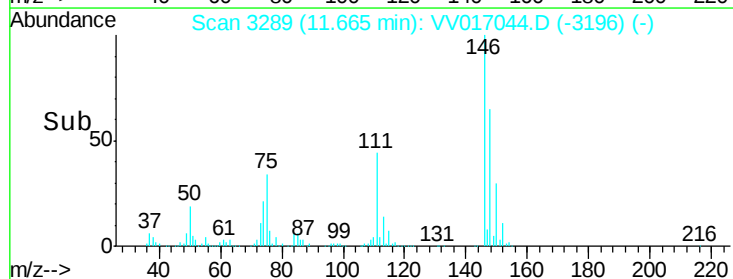
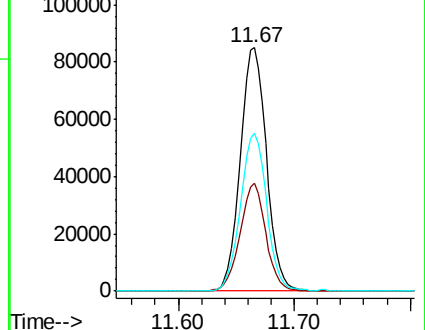
148 64.7 49.9 74.9

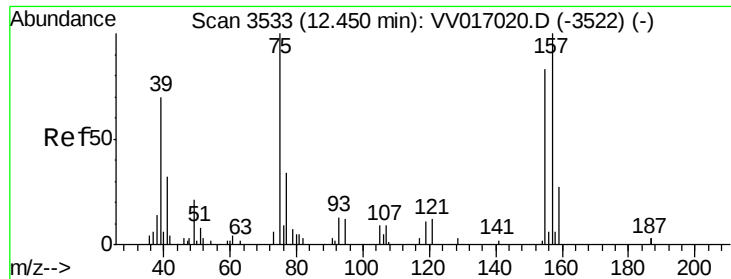


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

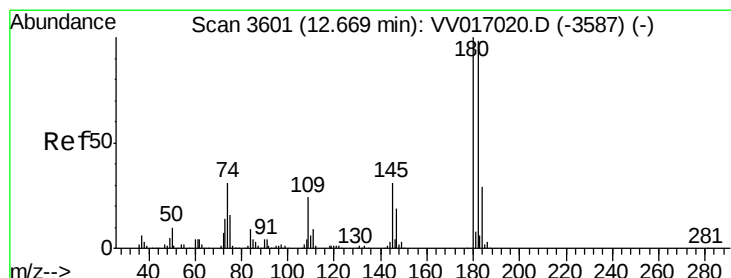
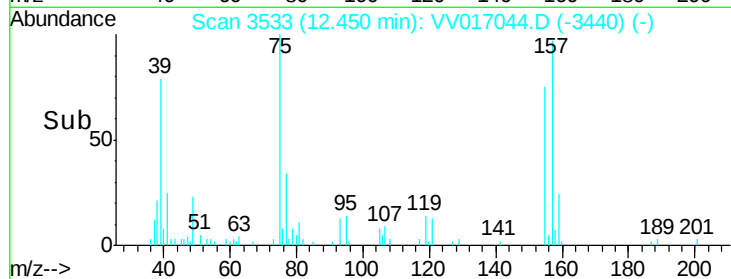
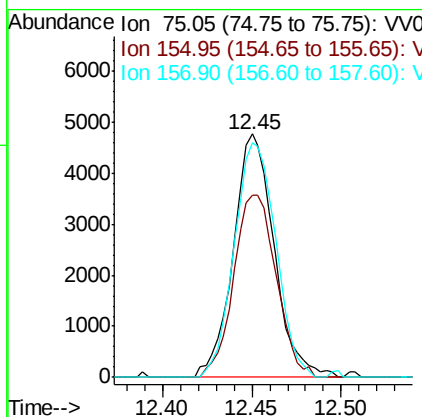
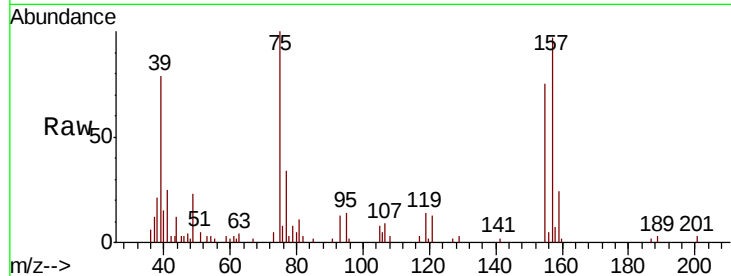




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.959 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

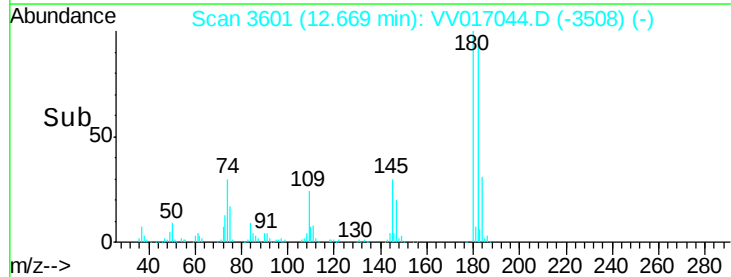
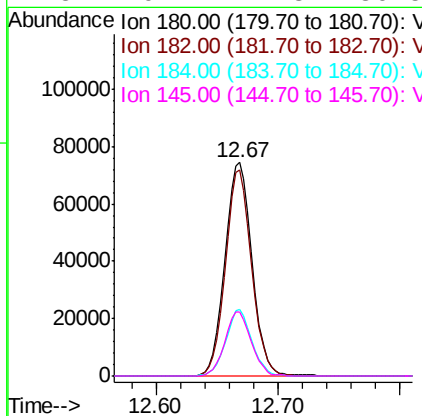
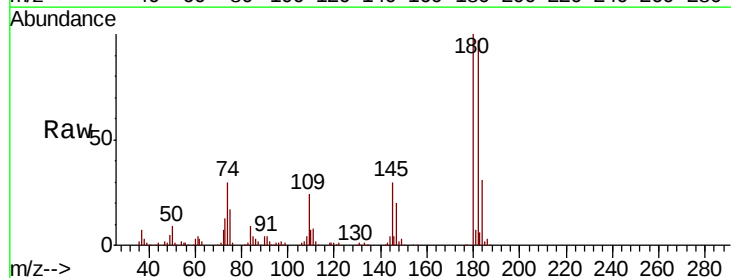
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

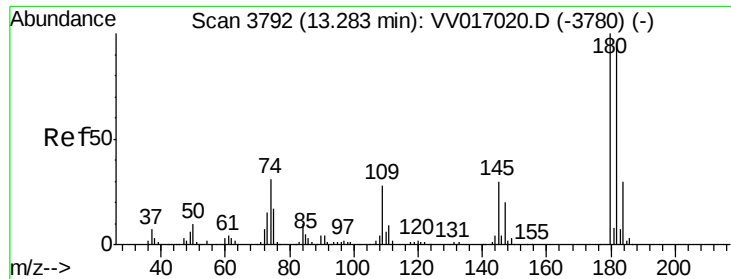
Tot Ion: 75 Resp: 7597
 Ion Ratio Lower Upper
 75 100
 155 74.8 71.1 106.7
 157 96.6 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.727 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017044.D
 Acq: 23 Jun 2020 09:59

Tgt Ion: 180 Resp: 115915
 Ion Ratio Lower Upper
 180 100
 182 93.3 77.4 116.2
 184 29.8 24.2 36.4
 145 29.4 24.3 36.5

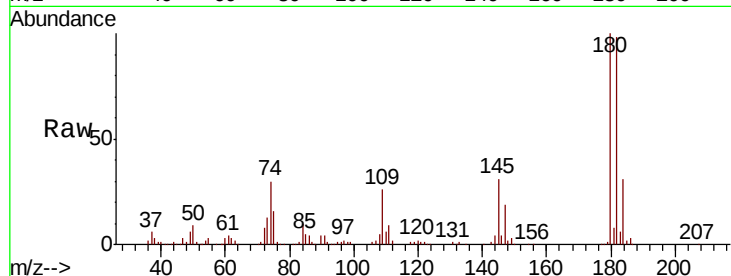




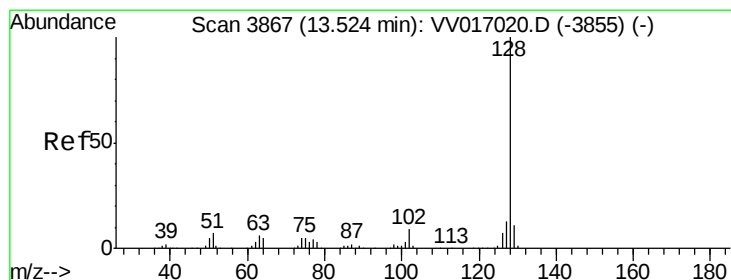
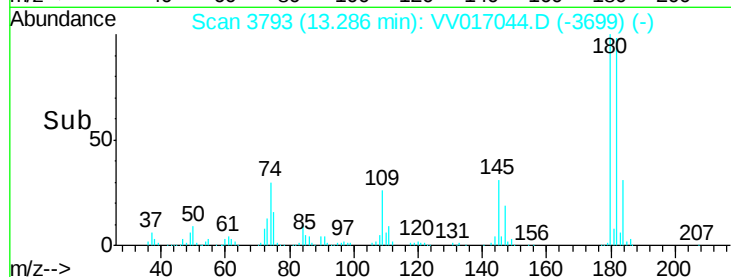
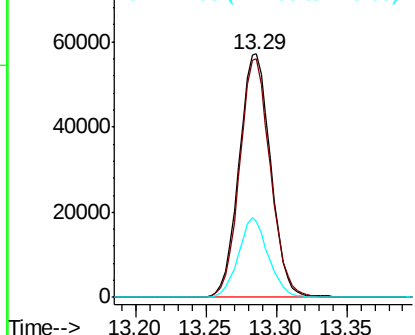
#69
1,2,4-trichlorobenzene
Concen: 4.453 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tot Ion:180 Resp: 89885
Ion Ratio Lower Upper
180 100
182 95.4 76.6 114.8
145 31.0 25.0 37.6

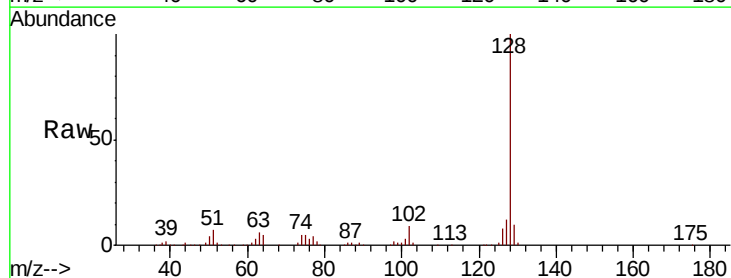


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

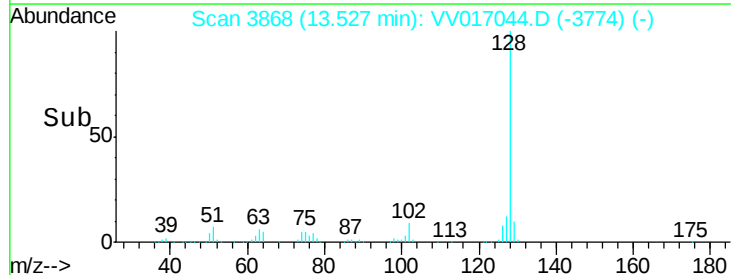
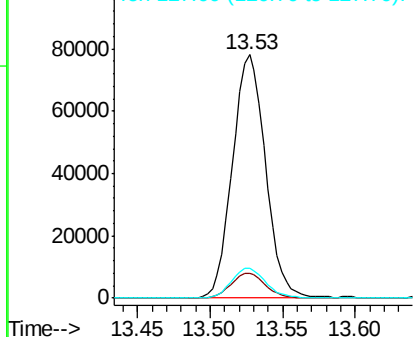


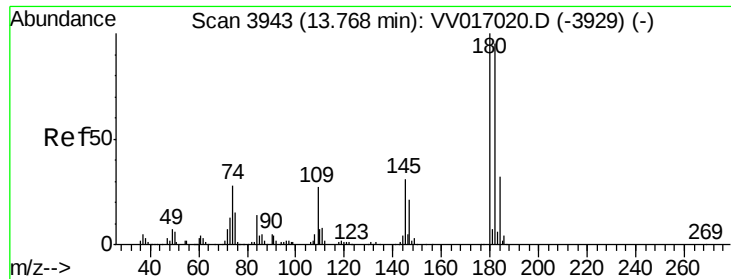
#70
Naphthalene
Concen: 4.346 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV017044.D
Acq: 23 Jun 2020 09:59

Tgt Ion:128 Resp: 123870
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.8 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: 4.643 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017044.D

Acq: 23 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

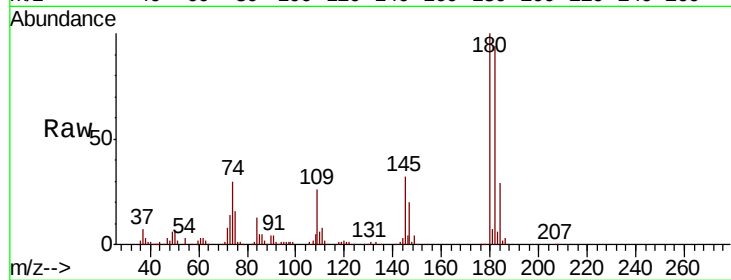
Tot Ion:180 Resp: 76428

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.0

145 31.5 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

