

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016623.D
 Acq On : 07 Jun 2020 06:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Quant Time: Jun 07 07:44:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Jun 07 03:25:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	368546	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	344421	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170610	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104058	39.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.72%
7) Chloroethane-d5	1.57	69	58829	31.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.44%#
11) 1,1-Dichloroethene-d2	2.12	63	194687	42.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.14%
21) 2-Butanone-d5	3.90	46	186501	111.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.74%
24) Chloroform-d	4.38	84	245297	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
26) 1,2-Dichloroethane-d4	5.05	65	164493	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
32) Benzene-d6	5.07	84	465784	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
36) 1,2-Dichloropropane-d6	6.09	67	146625	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.34	98	430157	51.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.68%
43) trans-1,3-Dichloropropene-	7.64	79	69299	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.11	63	140233	113.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	196468	50.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	169938	53.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	136975	45.046	ug/L 99
3) Chloromethane	1.25	50	128575	43.885	ug/L 98
5) Vinyl chloride	1.32	62	126729	44.768	ug/L 98
6) Bromomethane	1.52	94	41754	28.353	ug/L 97
8) Chloroethane	1.58	64	64792	40.841	ug/L 98
9) Trichlorofluoromethane	1.76	101	185306	45.330	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	90591	42.606	ug/L 98
12) 1,1-Dichloroethene	2.13	96	84953	41.519	ug/L 93
13) Acetone	2.18	43	104014	66.677	ug/L 100
14) Carbon disulfide	2.31	76	309045	43.627	ug/L 99
15) Methyl Acetate	2.44	43	137611	47.995	ug/L 99
16) Methylene chloride	2.52	84	127997	44.373	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	117646	45.570	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	394071	49.305	ug/L 99
19) 1,1-Dichloroethane	3.21	63	222741	46.652	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	131137	47.067	ug/L 99
22) 2-Butanone	3.98	43	185863	96.015	ug/L 95

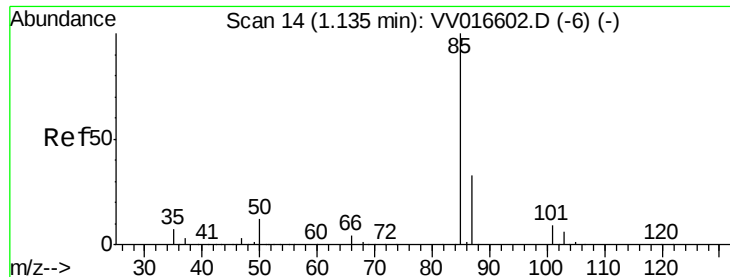
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
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 Quant Title : VOC Analysis
 QLast Update : Sun Jun 07 03:25:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67641	47.180	ug/L	98
25) Chloroform	4.40	83	233837	46.726	ug/L	99
27) 1,2-Dichloroethane	5.15	62	198861	48.905	ug/L	98
29) Cyclohexane	4.70	56	206958	50.628	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	212497	50.625	ug/L	98
31) Carbon tetrachloride	4.86	117	181461	50.266	ug/L	98
33) Benzene	5.13	78	496063	48.973	ug/L	100
34) Trichloroethene	5.94	95	129206	48.612	ug/L	97
35) Methylcyclohexane	6.15	83	195868	51.340	ug/L	99
37) 1,2-Dichloropropane	6.20	63	128006	48.483	ug/L	100
38) Bromodichloromethane	6.53	83	168109	49.555	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	187943	48.822	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	374563	103.104	ug/L	100
42) Toluene	7.41	91	524002	48.819	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	181078	47.942	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	123148	48.238	ug/L	99
46) Tetrachloroethene	8.00	164	100857	49.215	ug/L	98
48) 2-Hexanone	8.16	43	289011	102.330	ug/L	98
49) Dibromochloromethane	8.27	129	129588	52.213	ug/L	99
50) 1,2-Dibromoethane	8.37	107	130350	48.268	ug/L	100
51) Chlorobenzene	8.90	112	338478	47.981	ug/L	100
52) Ethylbenzene	9.03	91	582433	49.856	ug/L	99
53) m,p-Xylene	9.16	106	218282	49.553	ug/L	99
54) o-xylene	9.57	106	214206	50.210	ug/L	99
55) Styrene	9.58	104	367433	49.163	ug/L	97
56) Isopropylbenzene	9.95	105	575055	51.894	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	189221	46.204	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	155389	47.165	ug/L	100
61) Bromoform	9.75	173	86289	60.403	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	257986	48.805	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	260870	47.563	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	260741	49.006	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	41945	51.948	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	182282	51.256	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	172888	52.512	ug/L	100
69) Naphthalene	13.53	128	534598	52.901	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	174506	55.757	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.046 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

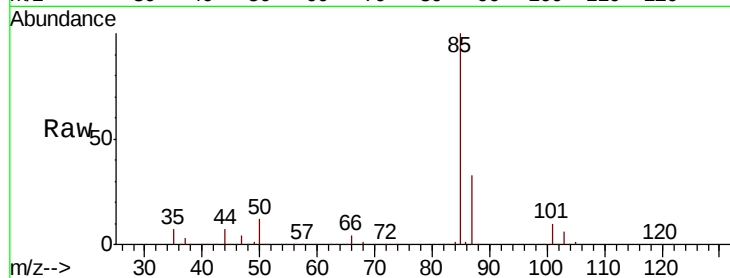
VSTD05071

Tot Ion: 85 Resp: 136975

Ion Ratio Lower Upper

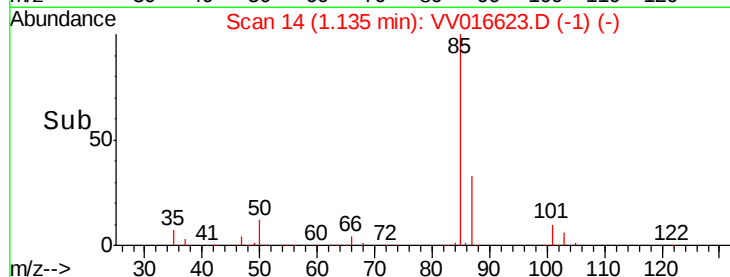
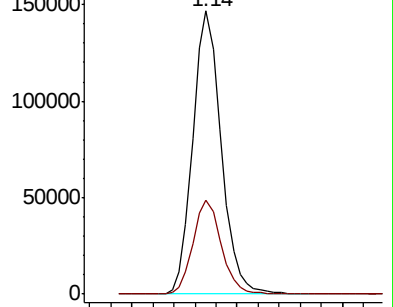
85 100

87 33.2 26.2 39.2

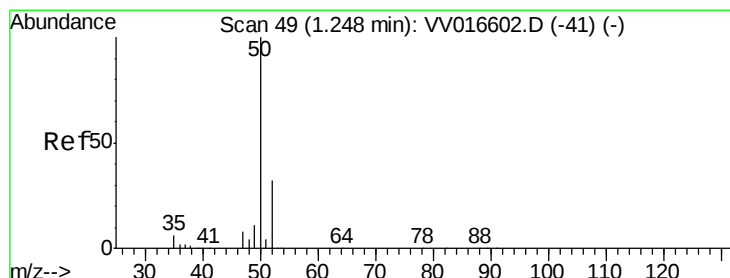


Abundance Ion 85.00 (84.70 to 85.70): VV016602.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV016623.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 43.885 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016623.D

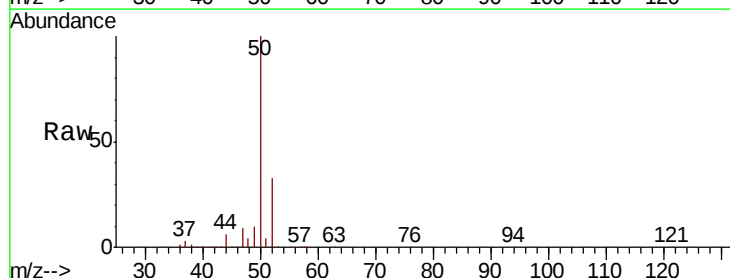
Acq: 07 Jun 2020 06:06

Tgt Ion: 50 Resp: 128575

Ion Ratio Lower Upper

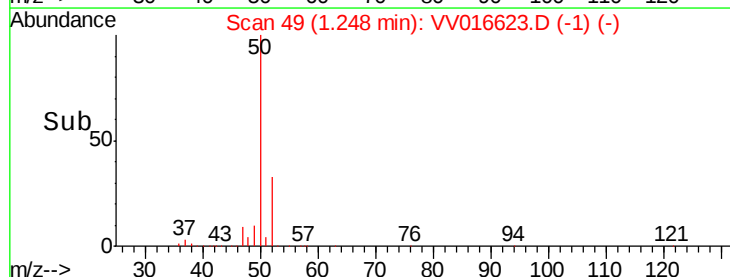
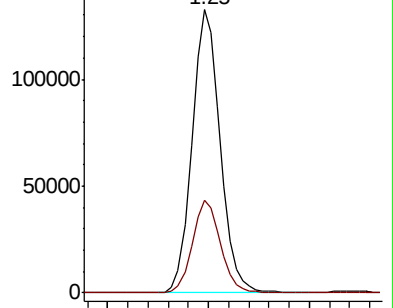
50 100

52 32.6 23.5 43.7

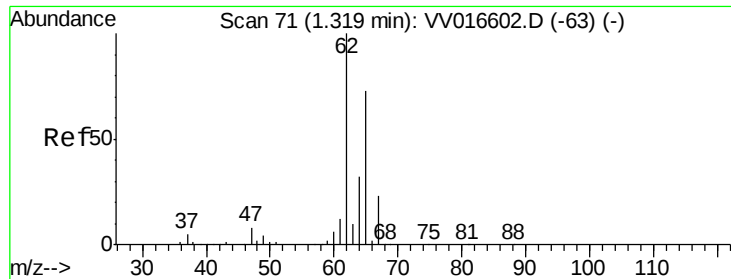


Abundance Ion 50.00 (49.70 to 50.70): VV016602.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV016623.D (-1) (-)



Time-->



#5

Vinyl chloride

Concen: 44.768 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampled :

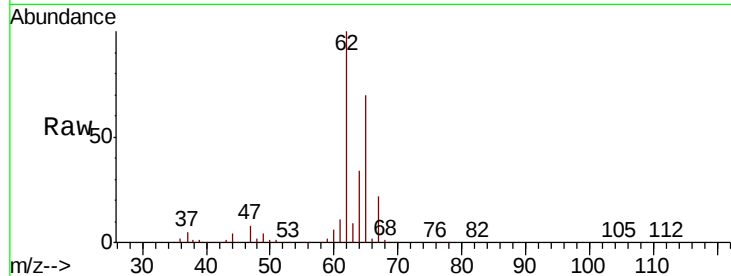
VSTD05071

Tot Ion: 62 Resp: 126729

Ion Ratio Lower Upper

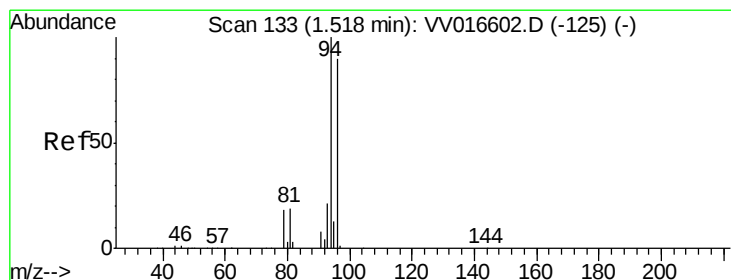
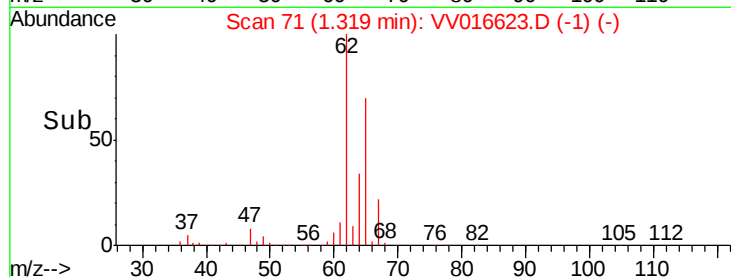
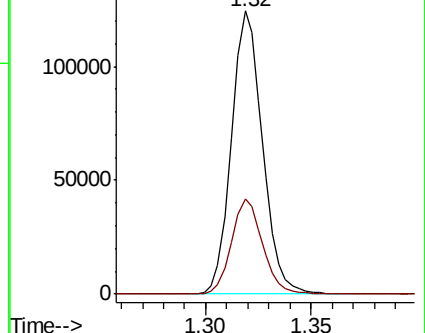
62 100

64 33.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 28.353 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV016623.D

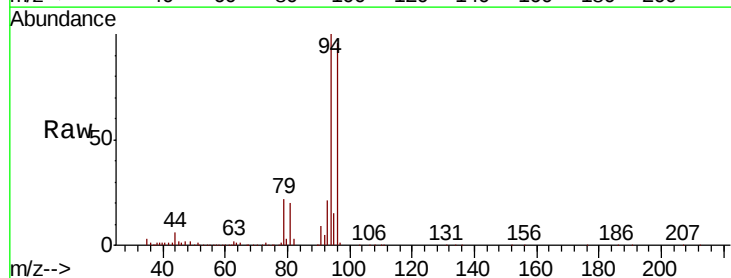
Acq: 07 Jun 2020 06:06

Tgt Ion: 94 Resp: 41754

Ion Ratio Lower Upper

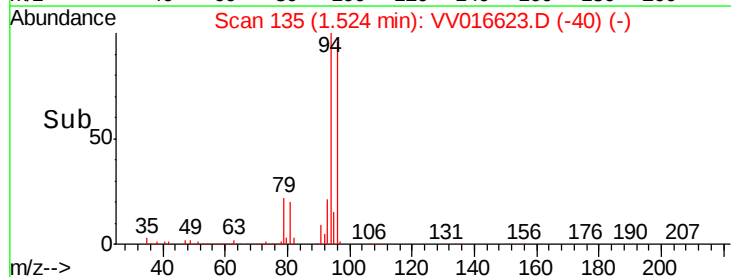
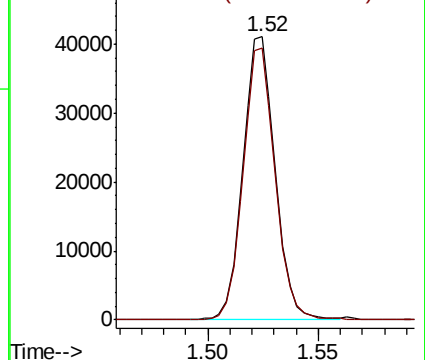
94 100

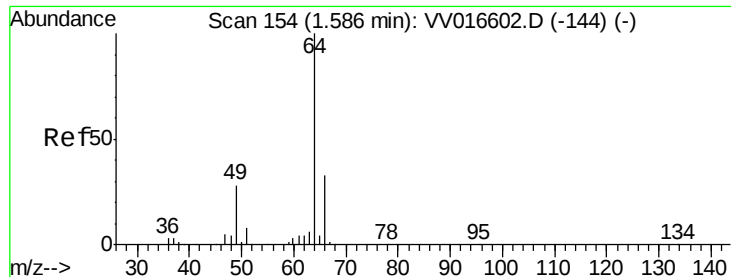
96 95.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 40.841 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

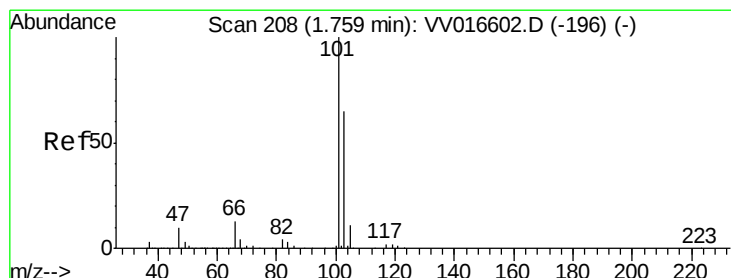
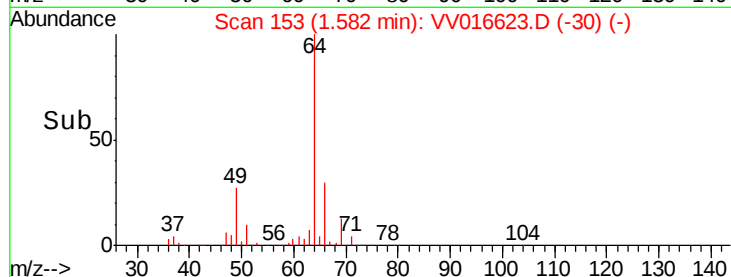
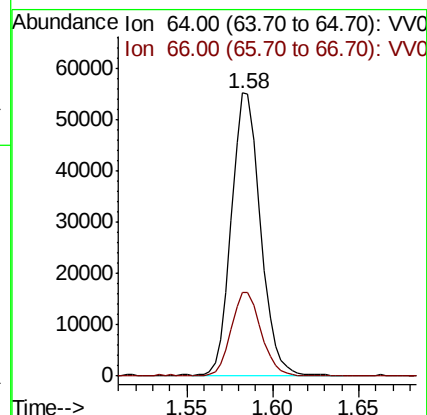
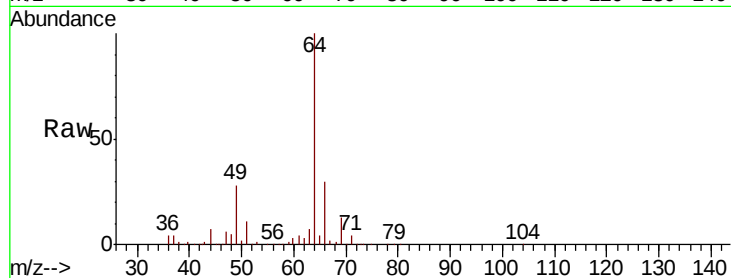
VSTD05071

Tot Ion: 64 Resp: 64792

Ion Ratio Lower Upper

64 100

66 29.6 21.4 39.8



#9

Trichlorofluoromethane

Concen: 45.330 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV016623.D

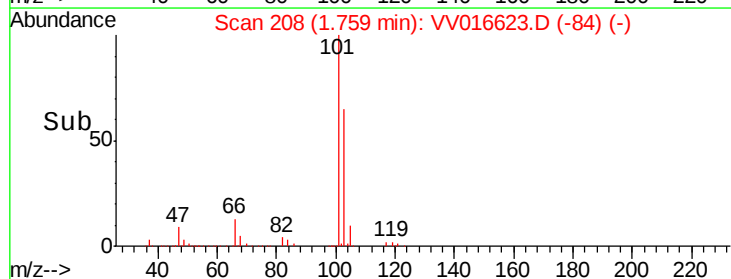
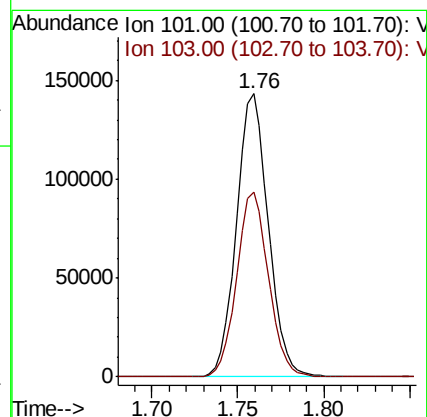
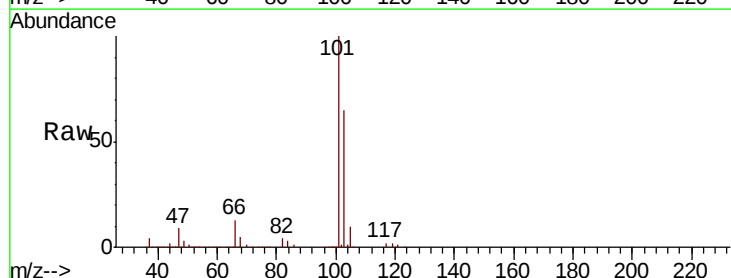
Acq: 07 Jun 2020 06:06

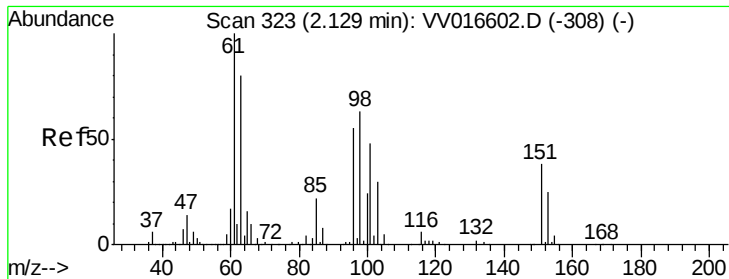
Tgt Ion: 101 Resp: 185306

Ion Ratio Lower Upper

101 100

103 65.2 50.9 76.3





#10

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

Concen: 42.606 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

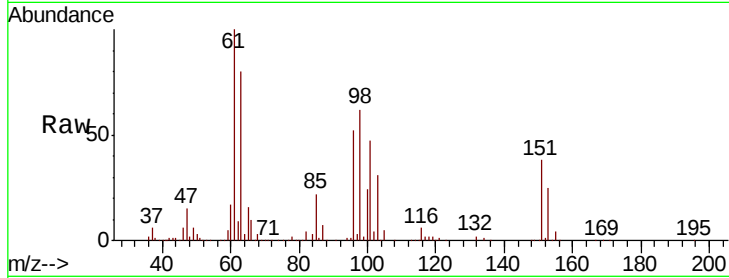
Tot Ion:101 Resp: 90591

Ion Ratio Lower Upper

101 100

85 45.9 35.6 53.4

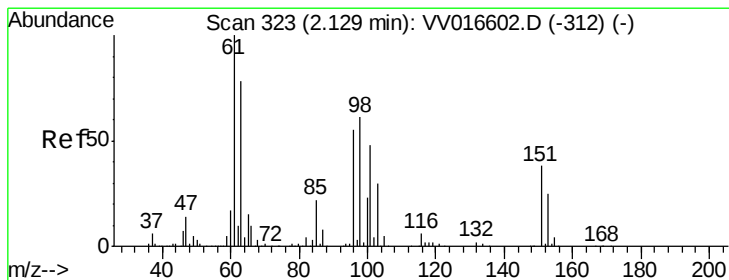
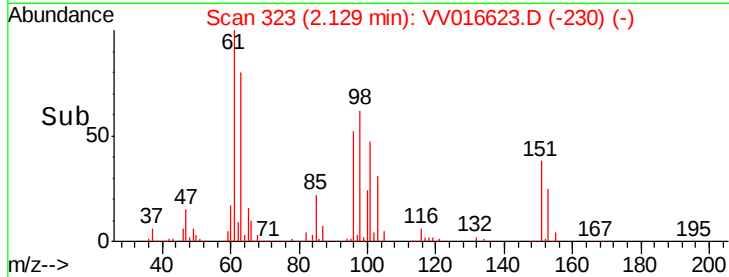
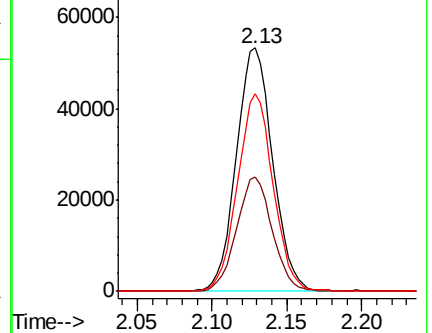
151 79.0 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 41.519 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

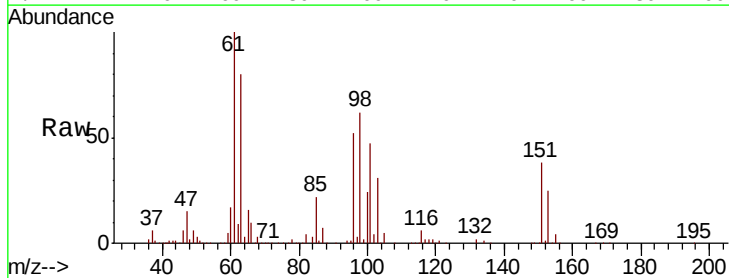
Tgt Ion: 96 Resp: 84953

Ion Ratio Lower Upper

96 100

61 191.8 125.5 233.1

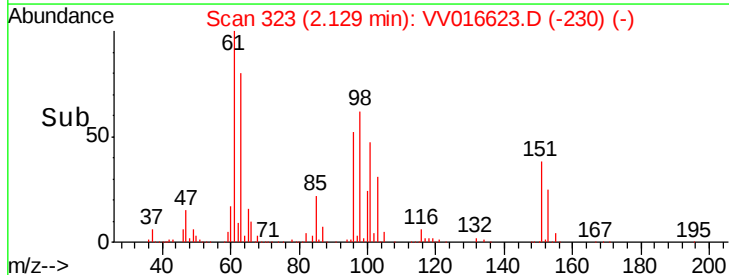
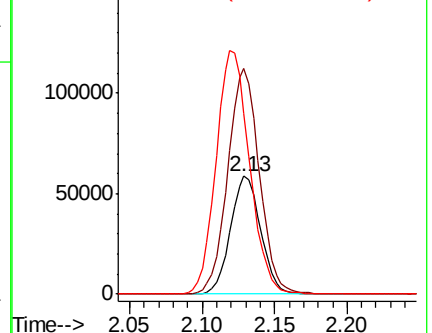
63 153.6 104.0 193.1

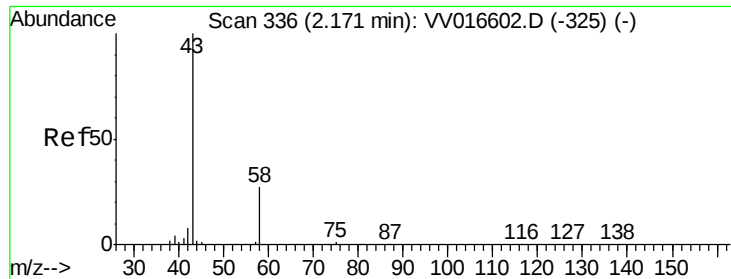


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 66.677 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.01 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

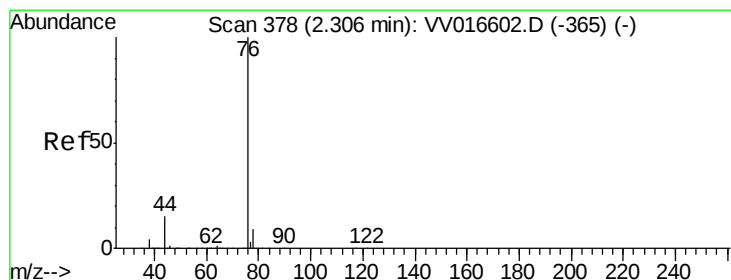
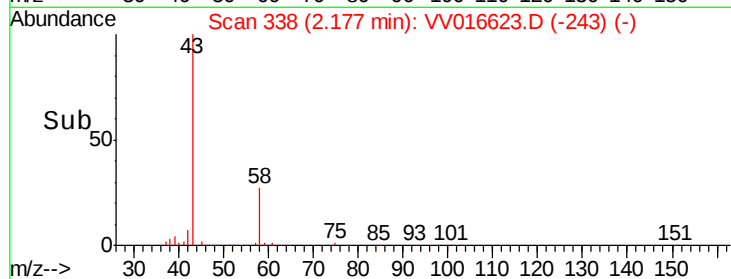
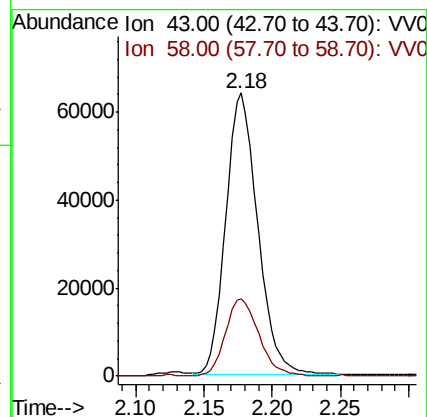
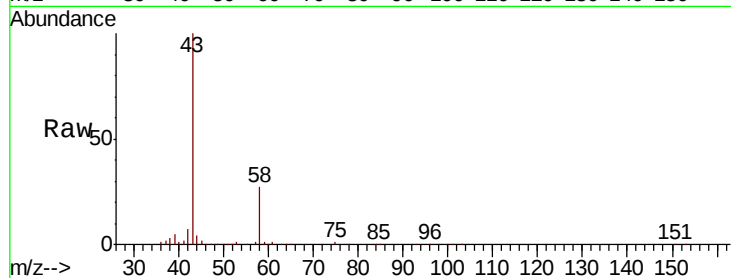
VSTD05071

Tot Ion: 43 Resp: 104014

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.2



#14

Carbon disulfide

Concen: 43.627 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016623.D

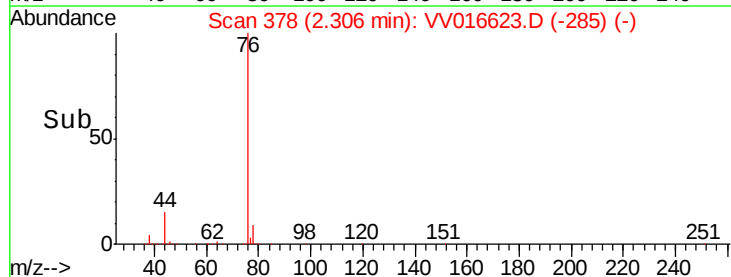
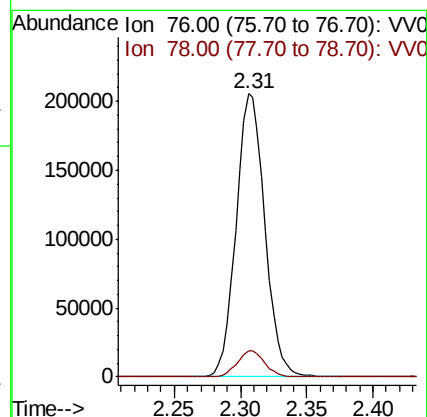
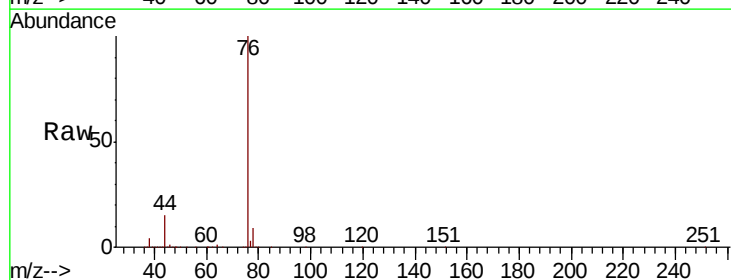
Acq: 07 Jun 2020 06:06

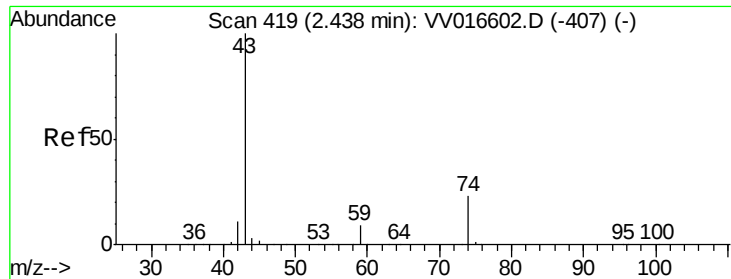
Tgt Ion: 76 Resp: 309045

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4





#15

Methvl Acetate

Concen: 47.995 ug/L

RT: 2.44 min Scan# 420

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

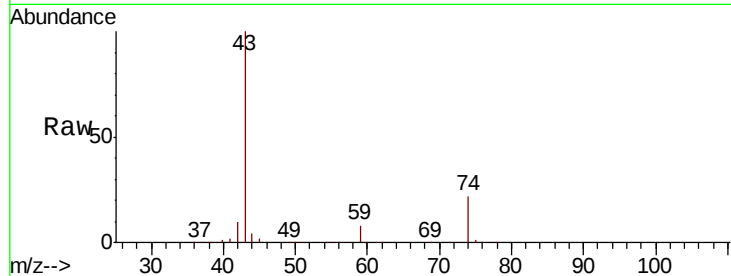
VSTD05071

Tot Ion: 43 Resp: 137611

Ion Ratio Lower Upper

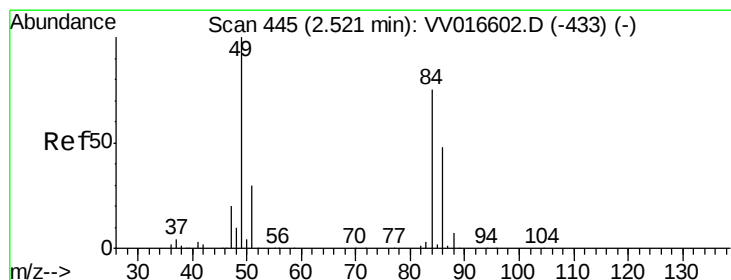
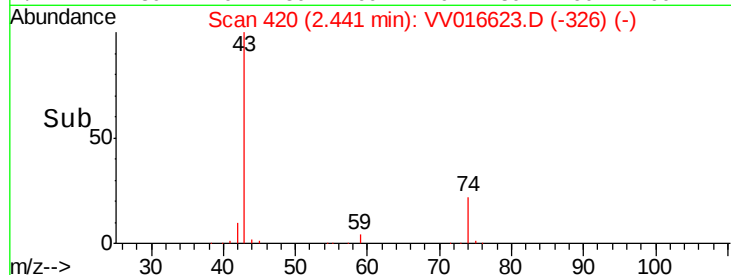
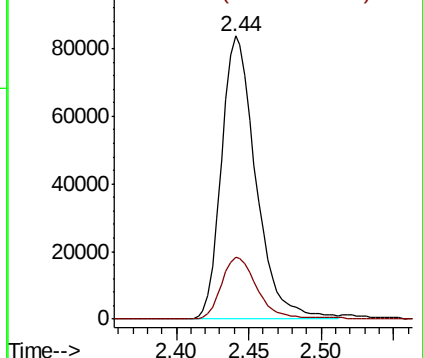
43 100

74 23.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV016623.D (-326) (-)

Ion 74.00 (73.70 to 74.70): VV016623.D (-326) (-)



#16

Methylene chloride

Concen: 44.373 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

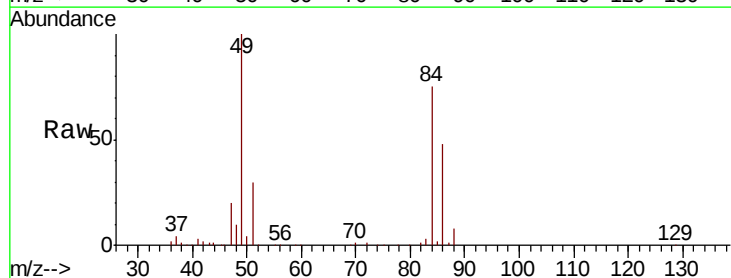
Tgt Ion: 84 Resp: 127997

Ion Ratio Lower Upper

84 100

86 63.7 45.1 83.9

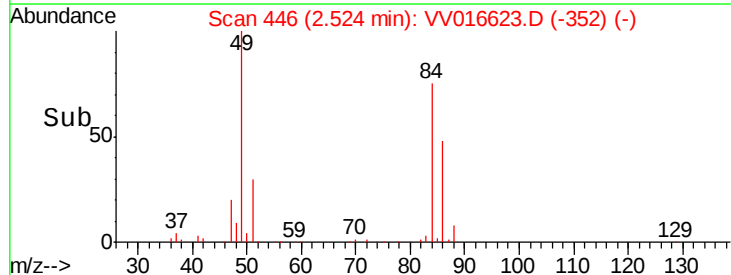
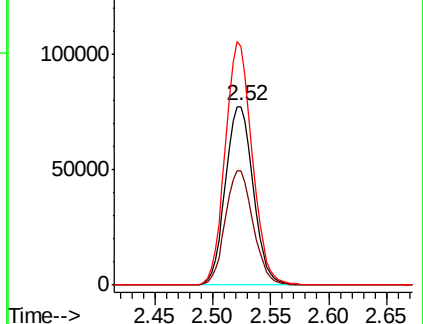
49 133.7 92.4 171.6

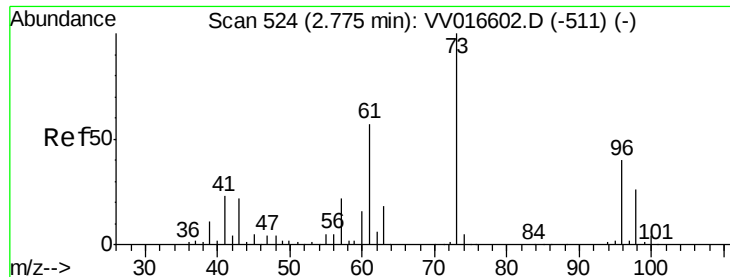


Abundance Ion 84.00 (83.70 to 84.70): VV016623.D (-352) (-)

Ion 86.00 (85.70 to 86.70): VV016623.D (-352) (-)

Ion 49.00 (48.70 to 49.70): VV016623.D (-352) (-)

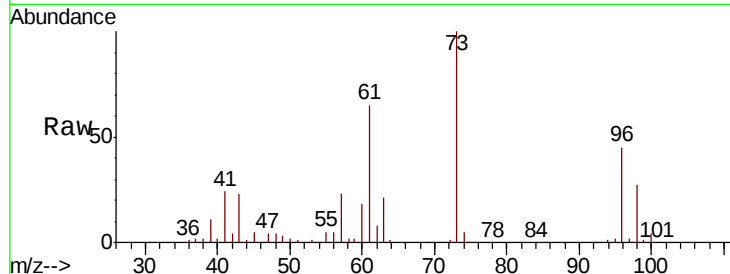




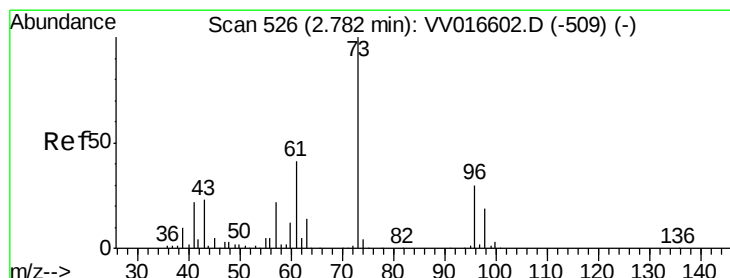
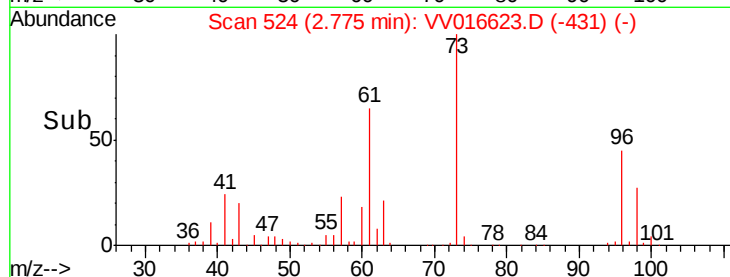
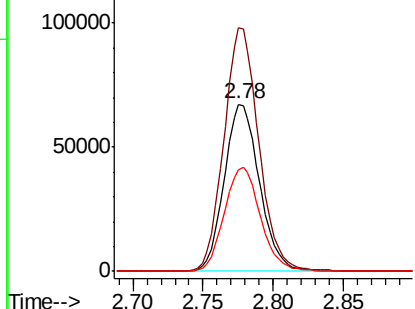
#17
trans-1,2-Dichloroethene
Concen: 45.570 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Tot Ion: 96 Resp: 117646
Ion Ratio Lower Upper
96 100
61 145.9 101.0 187.6
98 61.1 44.7 83.1

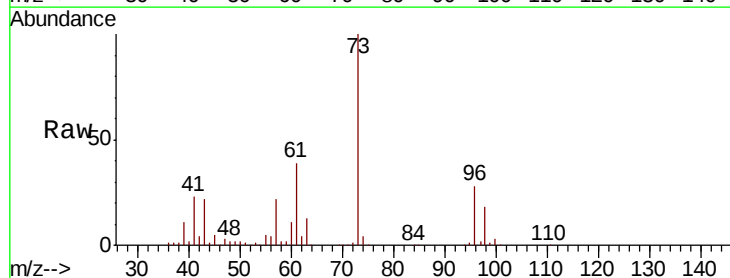


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

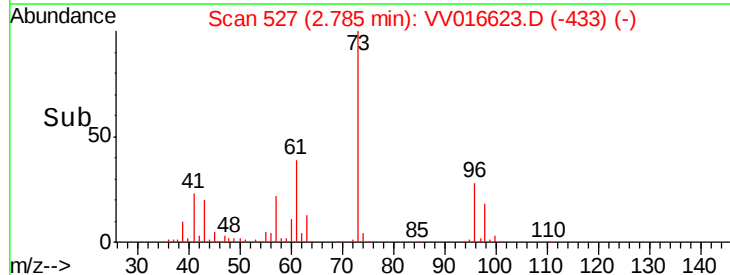
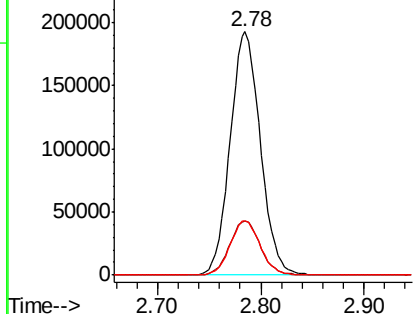


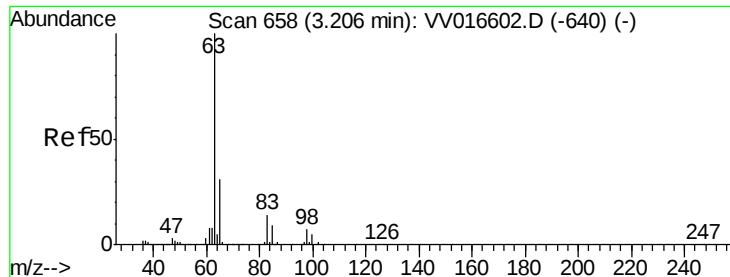
#18
Methyl tert-butyl Ether
Concen: 49.305 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Tgt Ion: 73 Resp: 394071
Ion Ratio Lower Upper
73 100
43 22.3 17.0 25.4
57 22.3 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

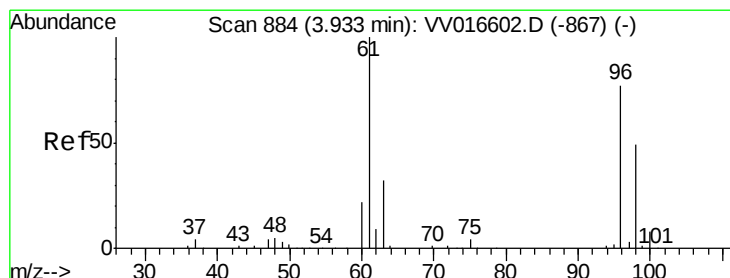
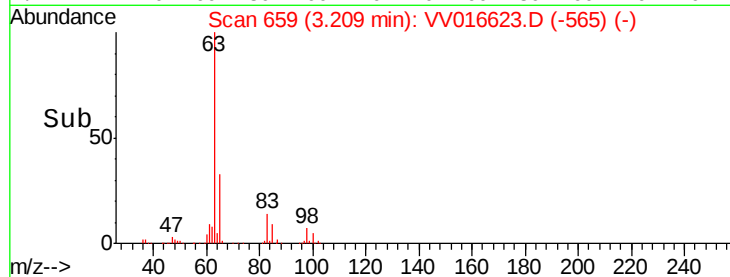
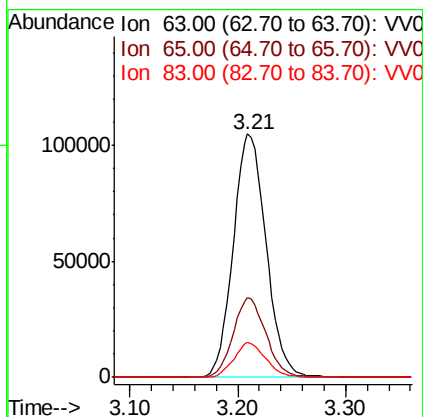
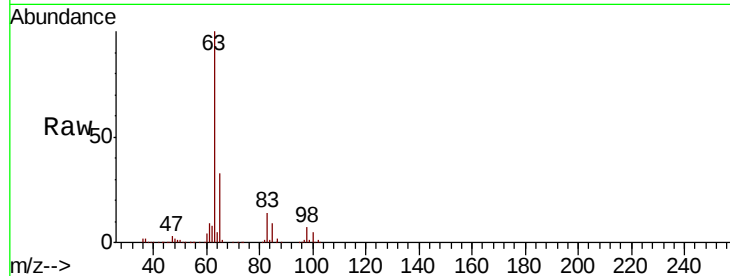




#19
 1,1-Dichloroethane
 Concen: 46.652 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

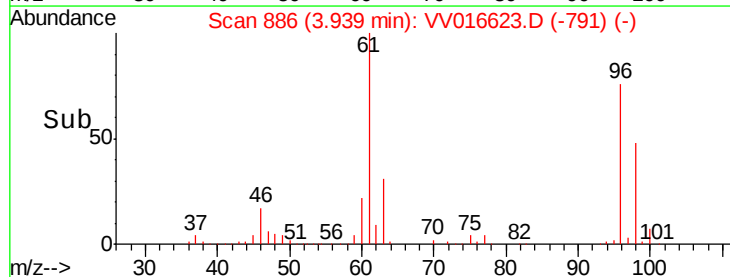
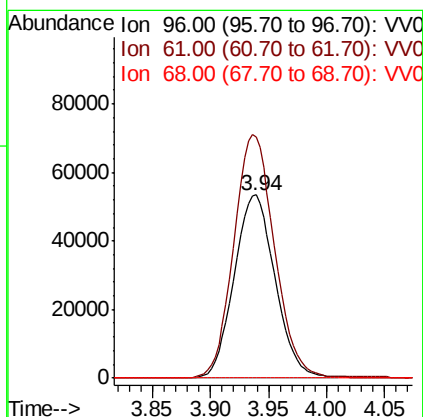
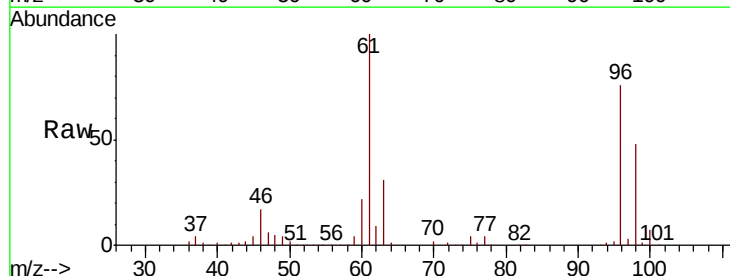
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05071

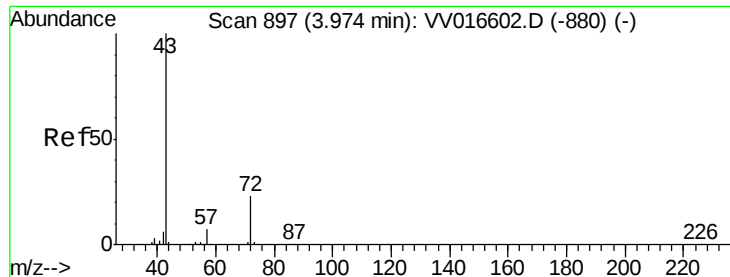
Tot Ion:	63	Resp:	222741
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.2	41.2
83	14.3	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.067 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Tgt Ion:	96	Resp:	131137
Ion	Ratio	Lower	Upper
96	100		
61	131.9	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 96.015 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.01 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

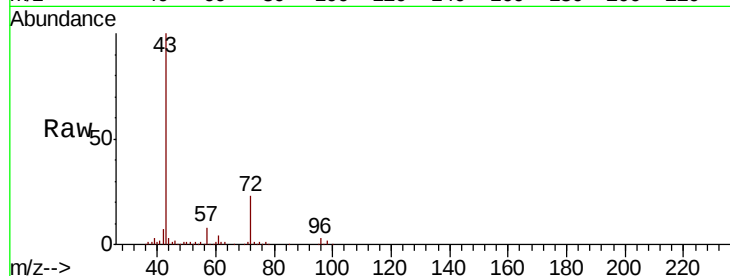
VSTD05071

Tot Ion: 43 Resp: 185863

Ion Ratio Lower Upper

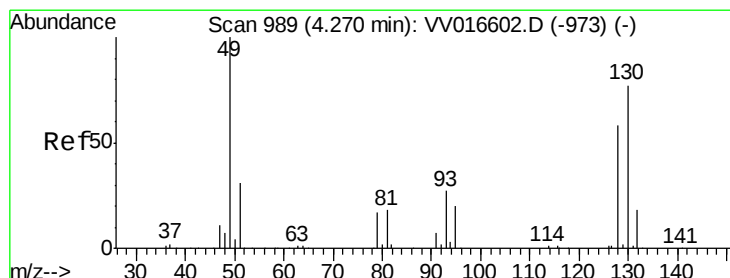
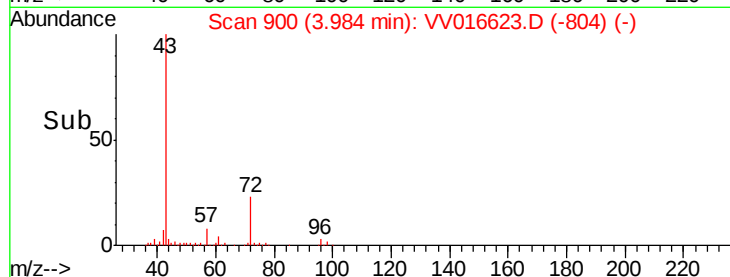
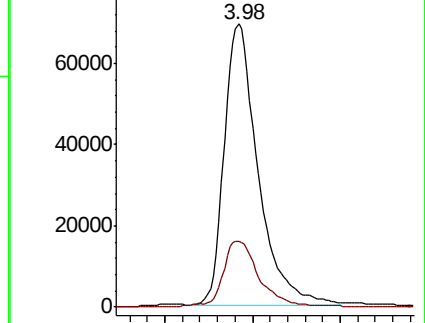
43 100

72 23.2 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016623.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV016623.D (-896) (-)



#23

Bromochloromethane

Concen: 47.180 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Tgt Ion:128 Resp: 67641

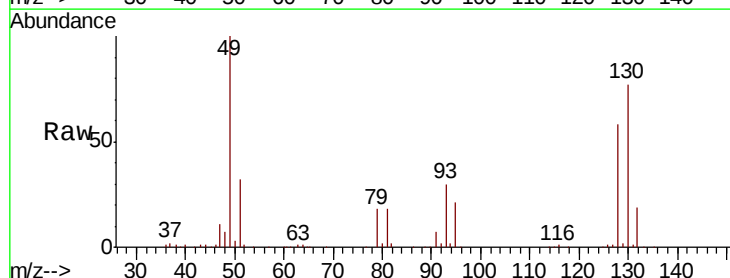
Ion Ratio Lower Upper

128 100

49 171.0 121.7 225.9

130 131.7 90.1 167.3

51 54.1 43.8 65.6

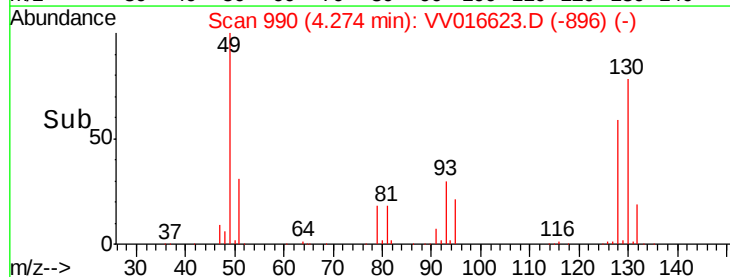
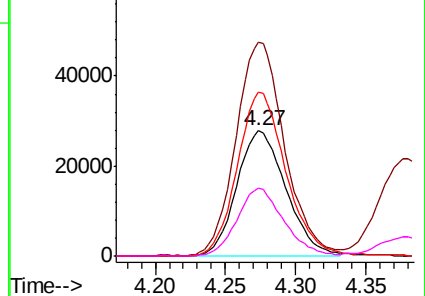


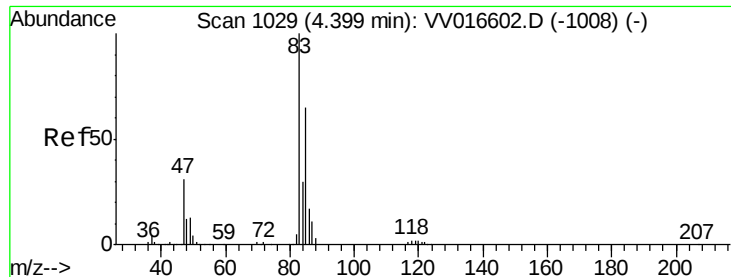
Abundance Ion 128.00 (127.70 to 128.70): VV016623.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV016623.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV016623.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV016623.D (-896) (-)





#25

Chloroform

Concen: 46.726 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

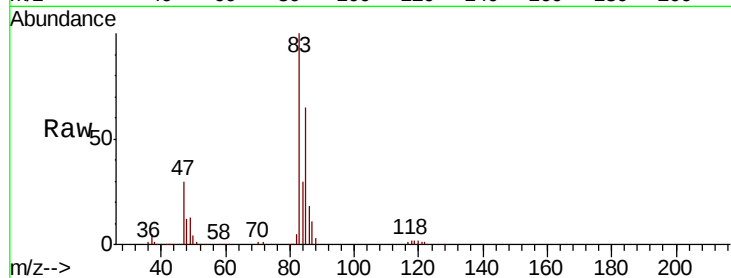
VSTD05071

Tot Ion: 83 Resp: 233837

Ion Ratio Lower Upper

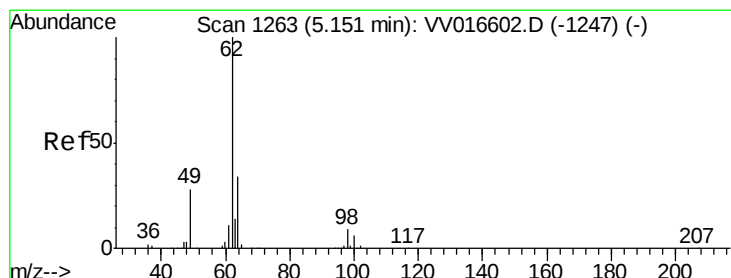
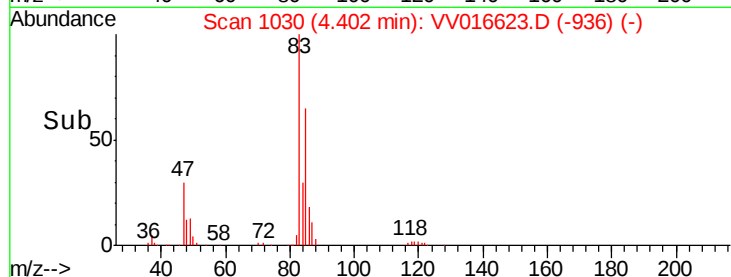
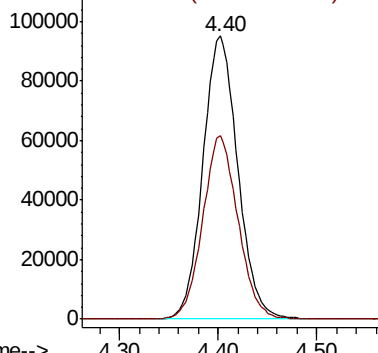
83 100

85 64.8 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 48.905 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016623.D

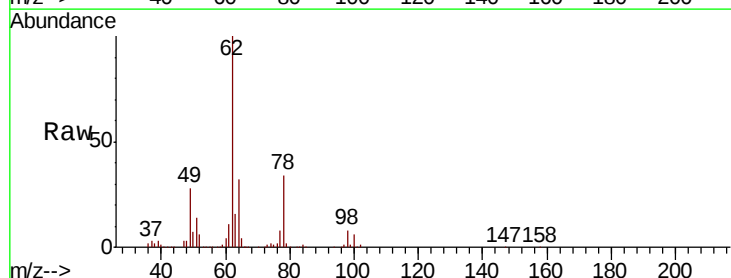
Acq: 07 Jun 2020 06:06

Tgt Ion: 62 Resp: 198861

Ion Ratio Lower Upper

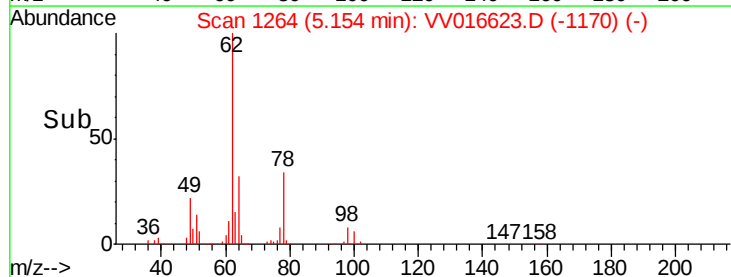
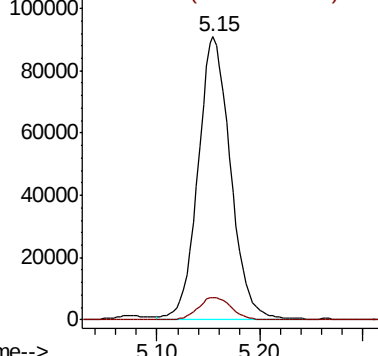
62 100

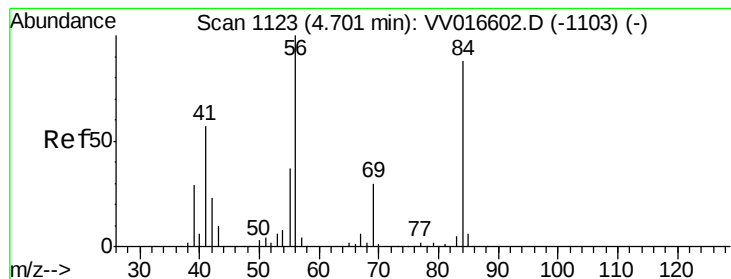
98 7.7 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 50.628 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

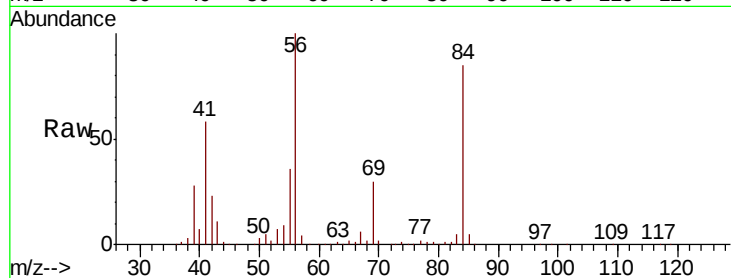
Tot Ion: 56 Resp: 206958

Ion Ratio Lower Upper

56 100

69 30.2 23.9 35.9

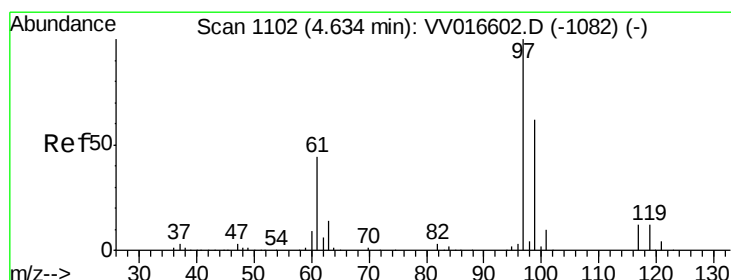
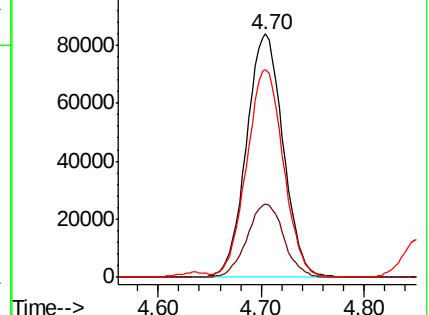
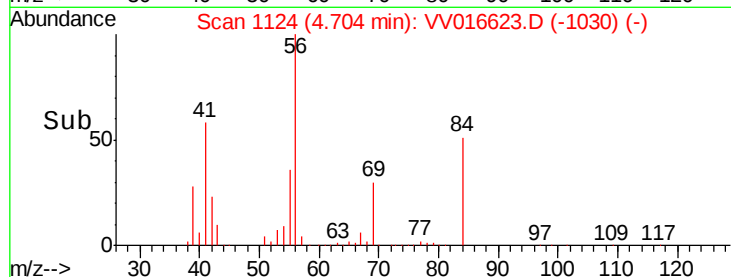
84 85.6 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV016623.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV016623.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV016623.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 50.625 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

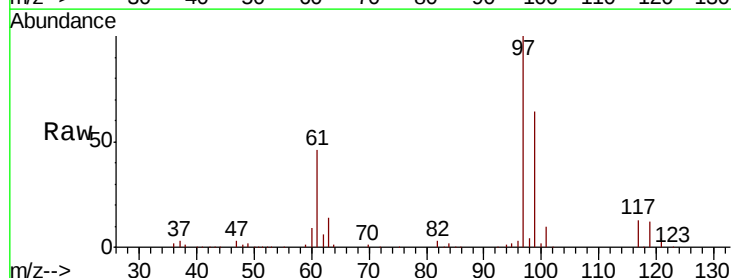
Tgt Ion: 97 Resp: 212497

Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.8

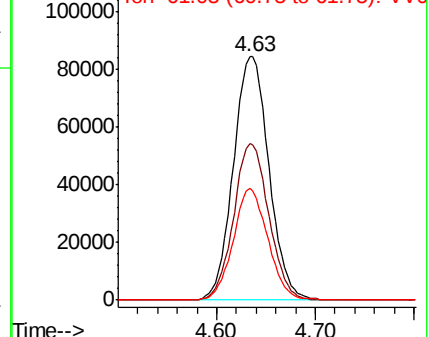
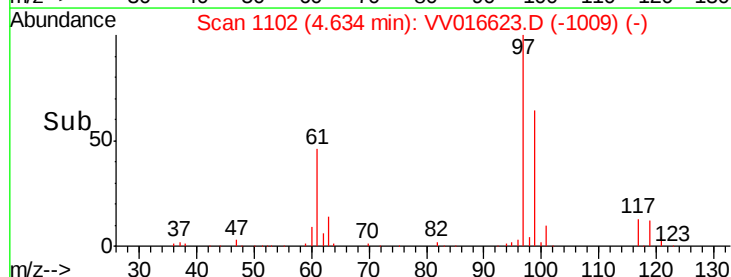
61 44.6 37.4 56.0

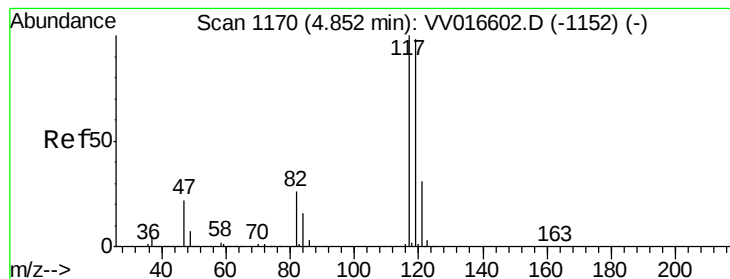


Abundance Ion 97.00 (96.70 to 97.70): VV016623.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV016623.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV016623.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 50.266 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

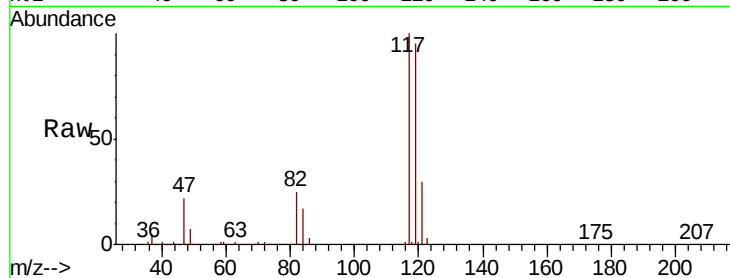
VSTD05071

Tot Ion:117 Resp: 181461

Ion Ratio Lower Upper

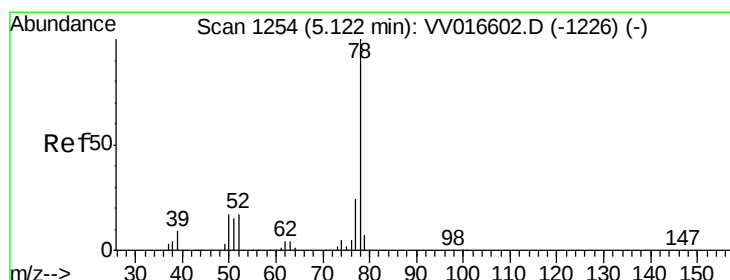
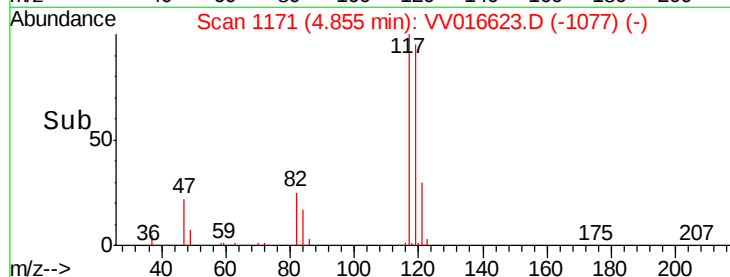
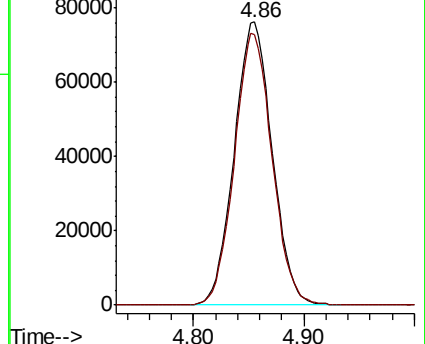
117 100

119 95.3 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.973 ug/L

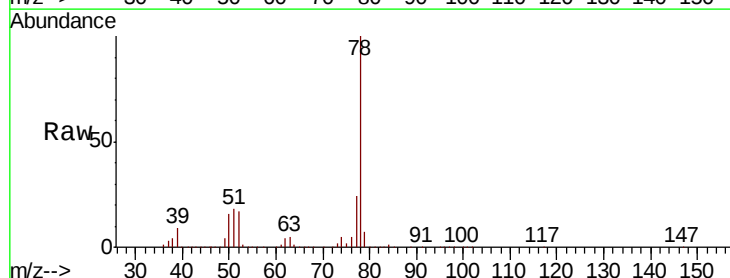
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

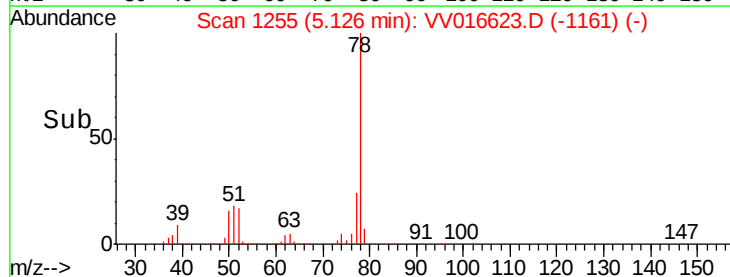
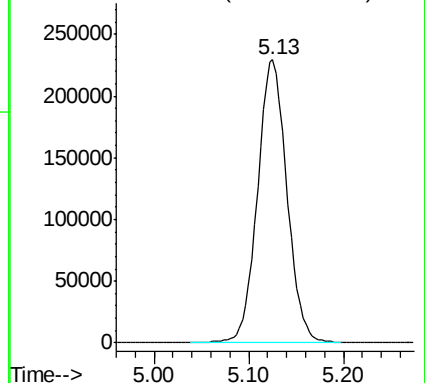
Lab File: VV016623.D

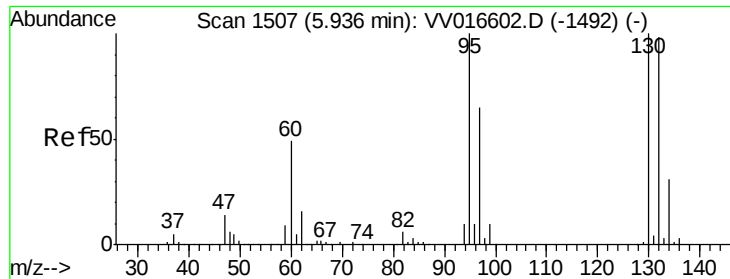
Acq: 07 Jun 2020 06:06

Tgt Ion: 78 Resp: 496063



Abundance Ion 78.00 (77.70 to 78.70): VV0

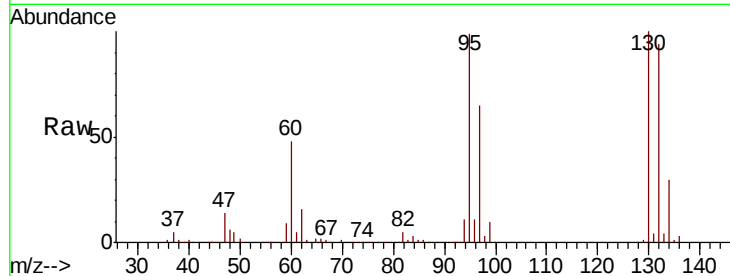




#34
 Trichloroethene
 Concen: 48.612 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Tot Ion	Ratio	Lower	Upper
95	100		
97	65.9	42.8	79.6
132	95.1	65.6	121.8
130	101.3	69.0	128.1



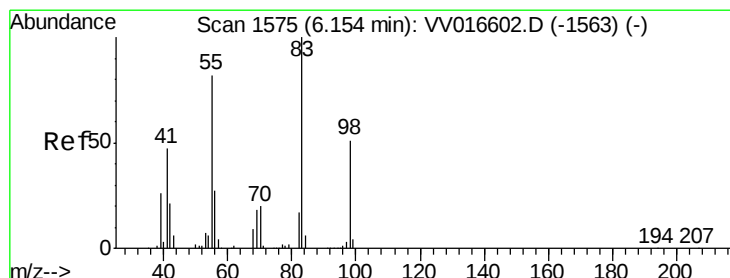
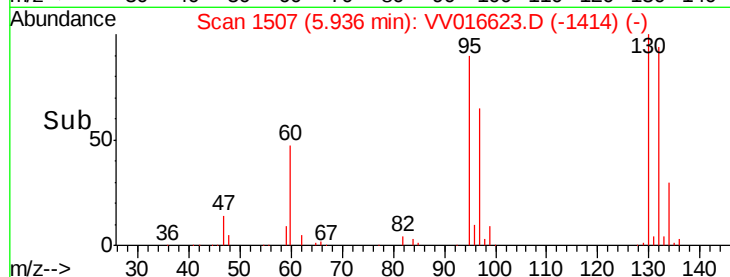
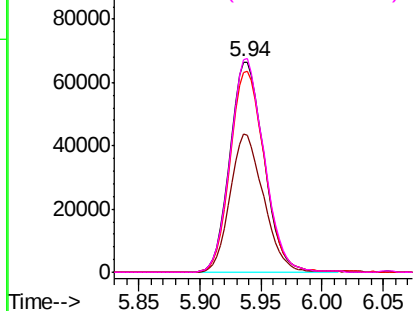
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

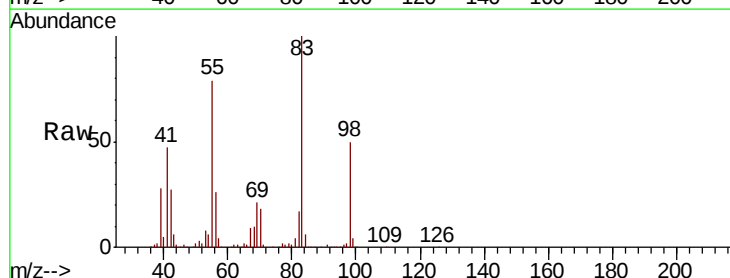
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 51.340 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.4	95.0
98	51.3	39.4	59.0

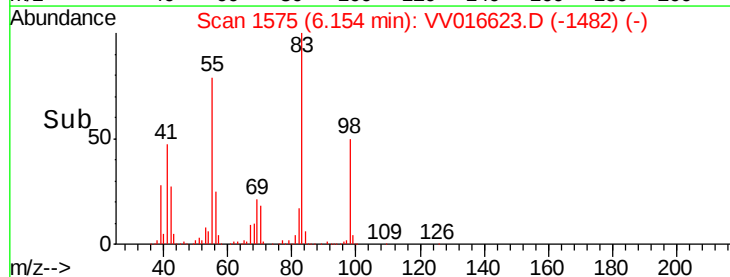
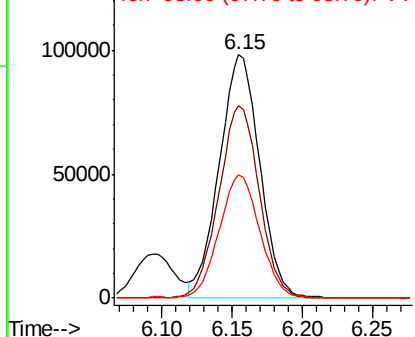


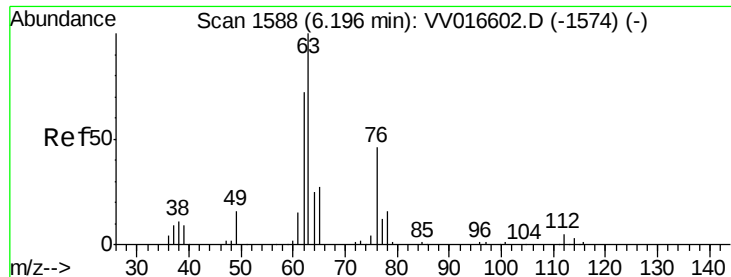
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

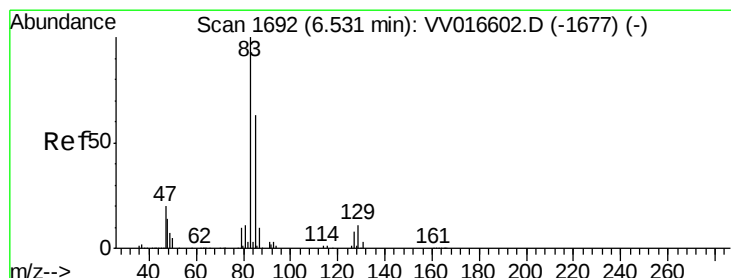
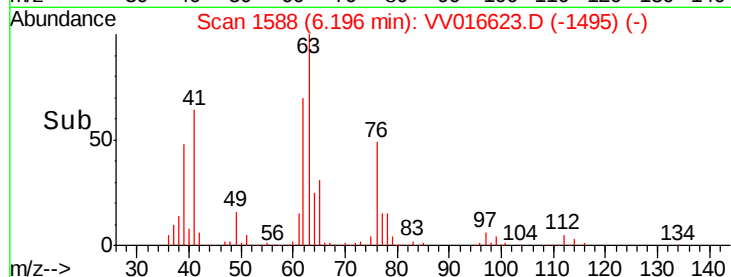
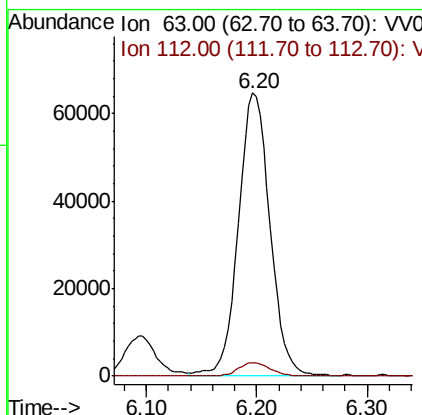
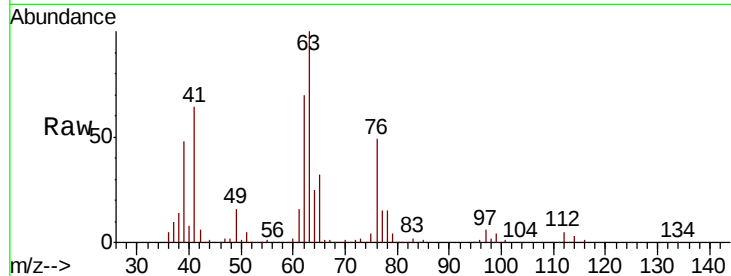




#37
 1,2-Dichloropropane
 Concen: 48.483 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

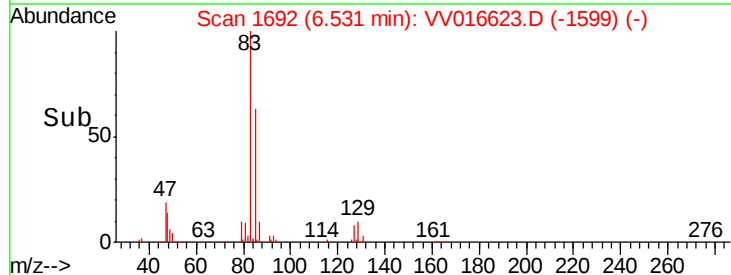
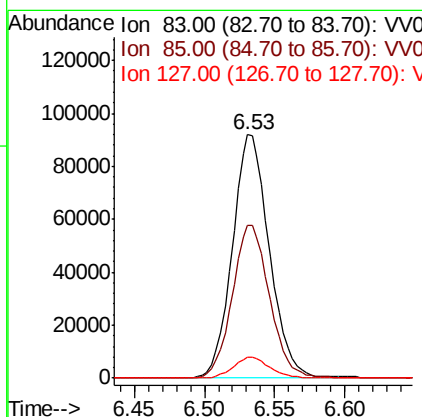
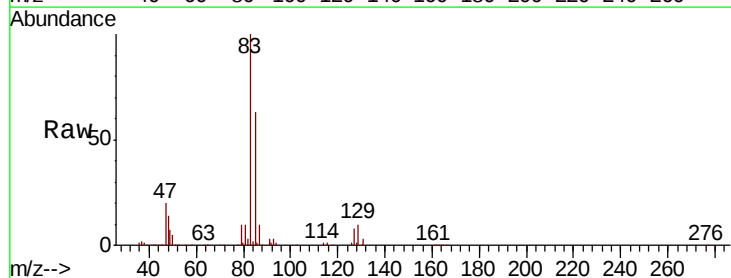
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

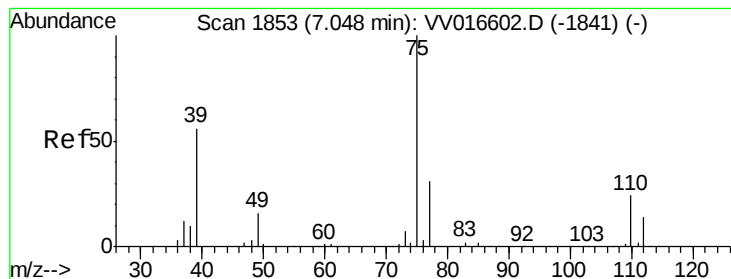
Tot Ion: 63 Resp: 128006
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 49.555 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Tgt Ion: 83 Resp: 168109
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.4 82.5
 127 8.4 7.1 10.7



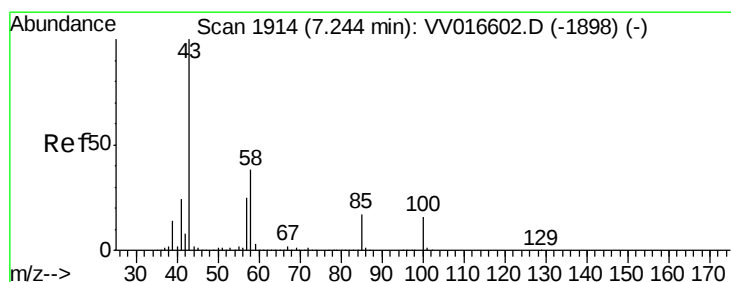
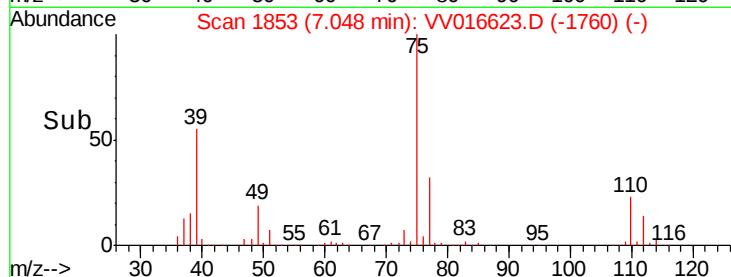
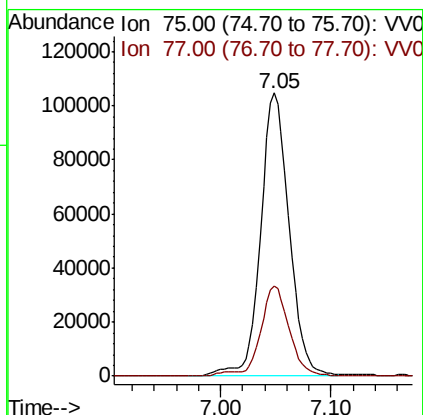
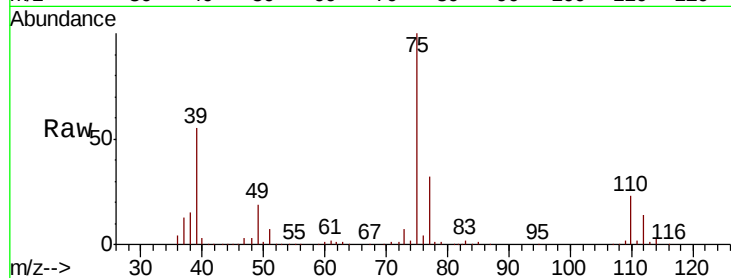


#39

cis-1,3-Dichloropropene
Concen: 48.822 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

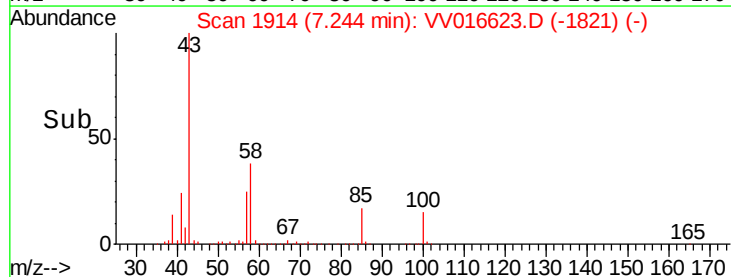
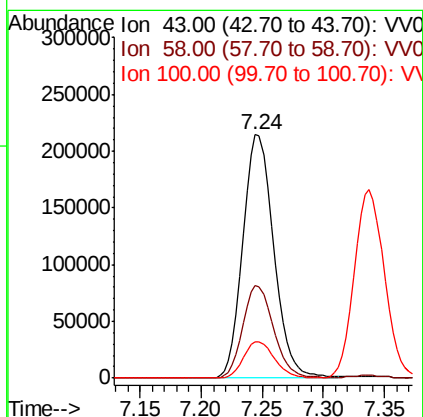
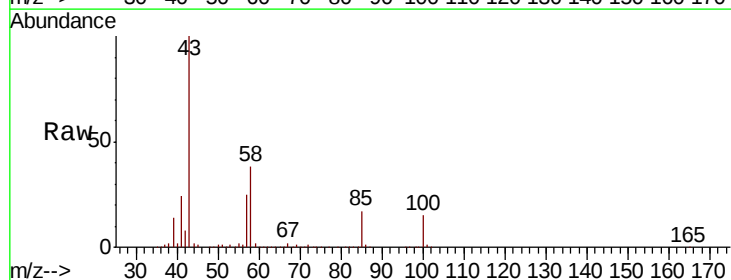
Tot Ion: 75 Resp: 187943
Ion Ratio Lower Upper
75 100
77 32.0 22.0 41.0

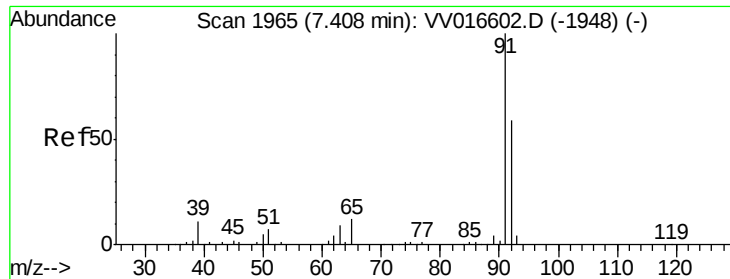


#40

4-Methyl-2-pentanone
Concen: 103.104 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Tgt Ion: 43 Resp: 374563
Ion Ratio Lower Upper
43 100
58 37.7 29.9 44.9
100 15.0 11.9 17.9





#42

Toluene

Concen: 48.819 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

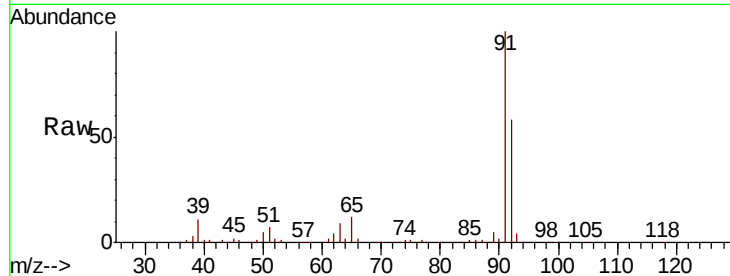
VSTD05071

Tot Ion: 91 Resp: 524002

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

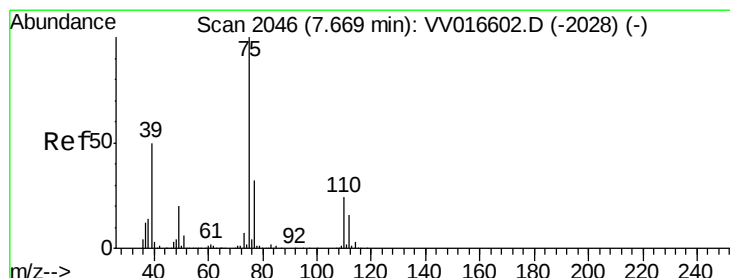
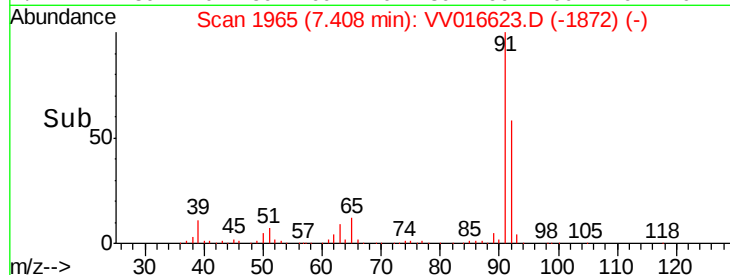
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.942 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016623.D

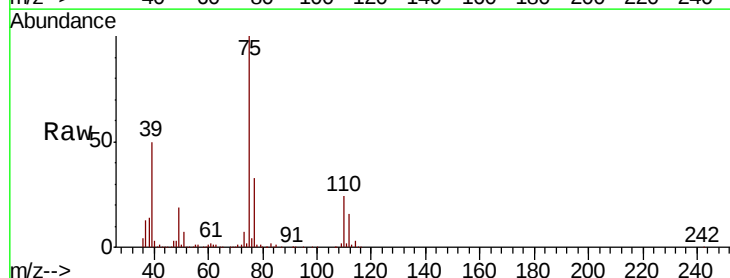
Acq: 07 Jun 2020 06:06

Tgt Ion: 75 Resp: 181078

Ion Ratio Lower Upper

75 100

77 32.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

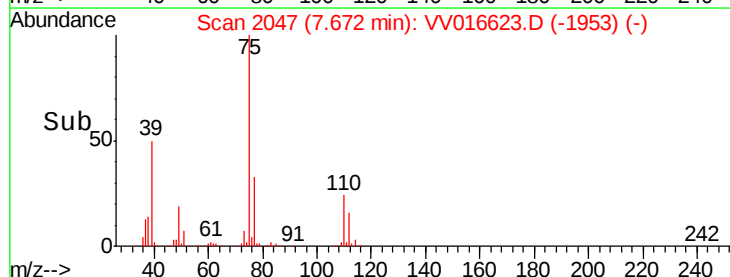
60000

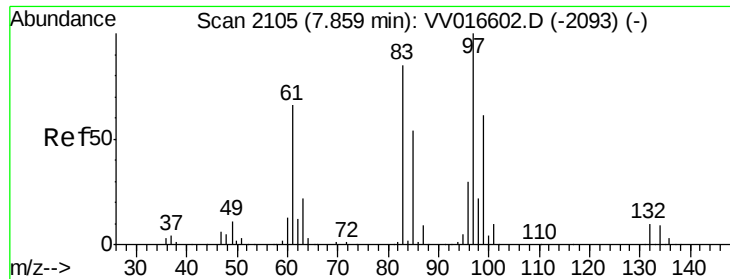
40000

20000

0

Time-->

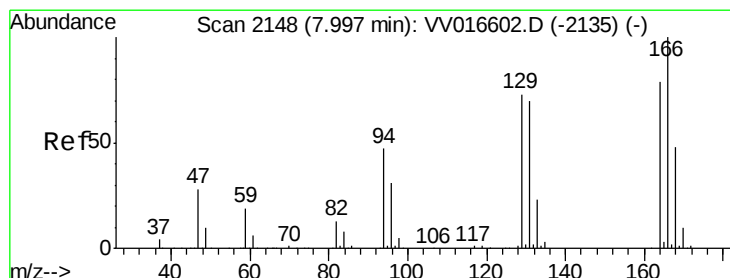
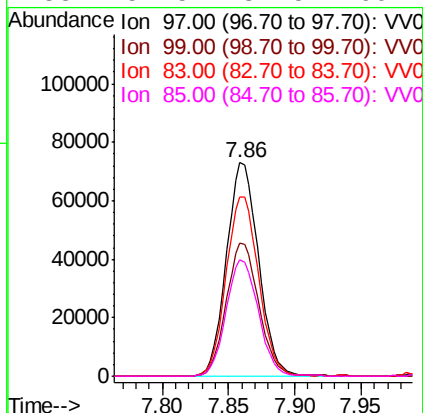
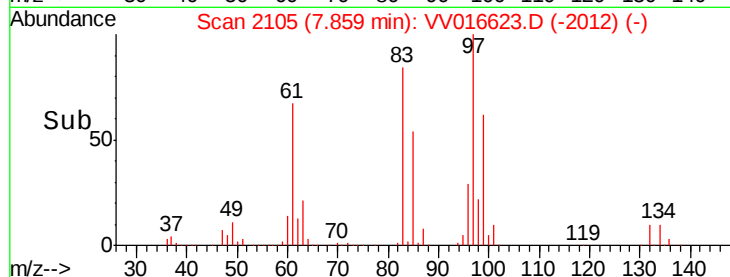
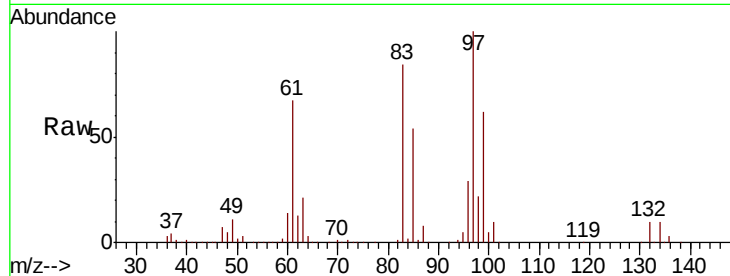




#45
1,1,2-Trichloroethane
Concen: 48.238 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

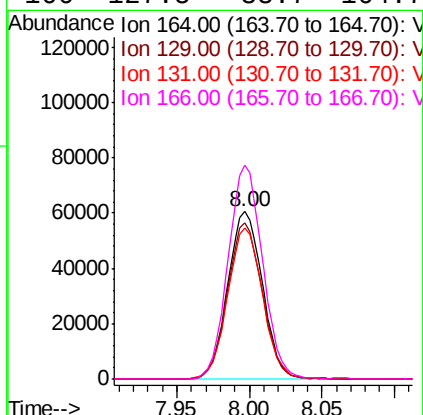
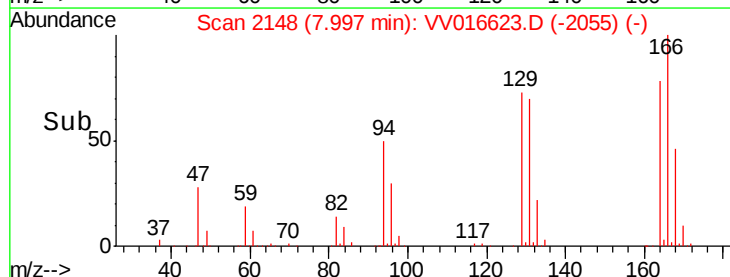
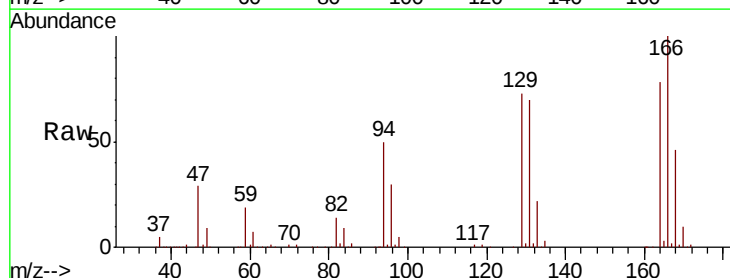
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

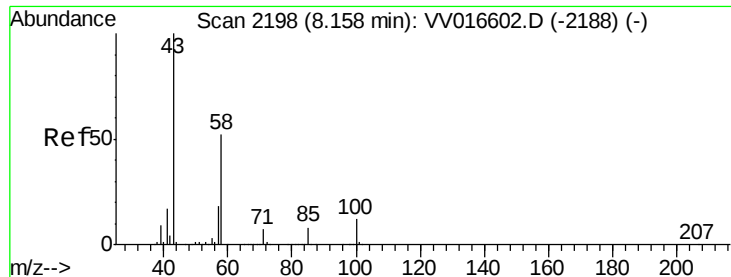
Tot Ion:	97	Resp:	123148
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.9	79.7
83	84.1	59.3	110.1
85	54.5	37.5	69.7



#46
Tetrachloroethene
Concen: 49.215 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Tgt Ion:	164	Resp:	100857
Ion	Ratio	Lower	Upper
164	100		
129	93.2	67.7	125.7
131	89.9	63.8	118.6
166	127.5	88.7	164.7

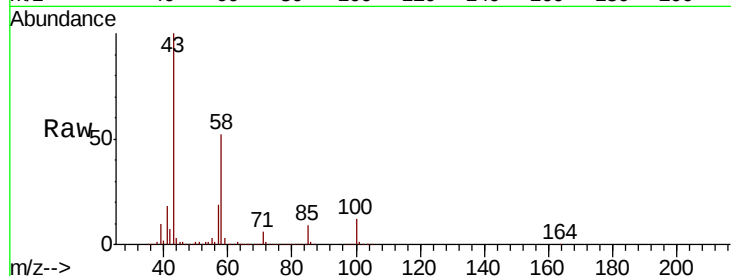




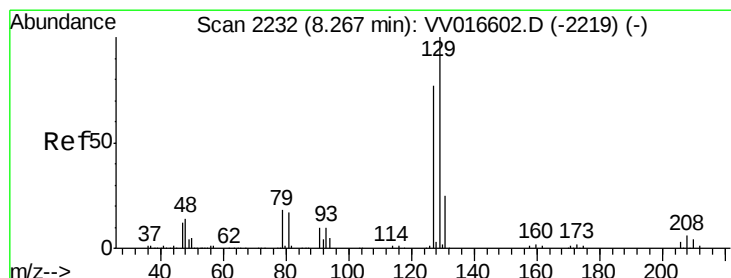
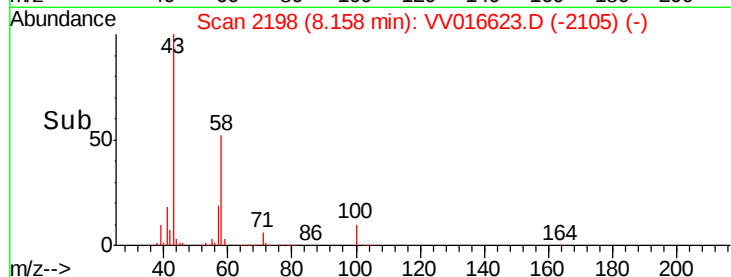
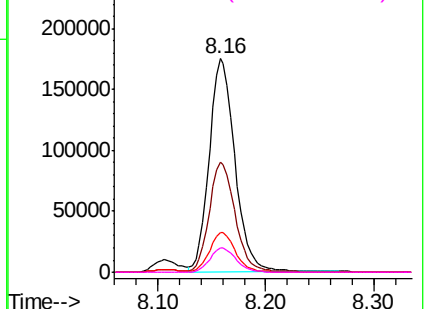
#48
2-Hexanone
Concen: 102.330 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Tot Ion: 43 Resp: 289011
Ion Ratio Lower Upper
43 100
58 51.9 42.7 64.1
57 18.9 14.5 21.7
100 11.4 9.4 14.2

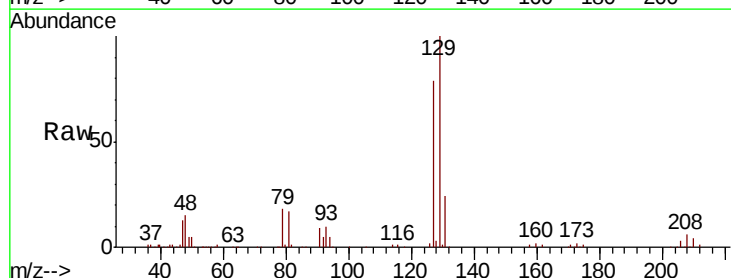


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

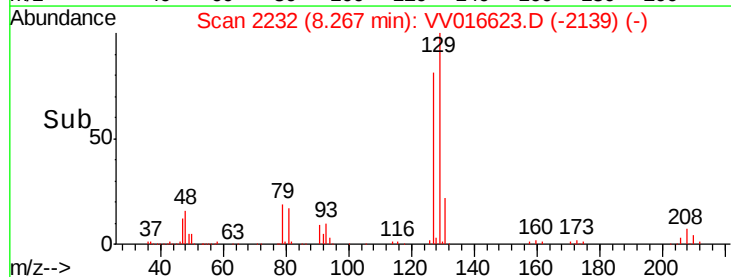
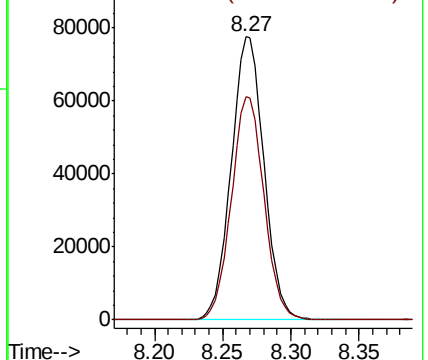


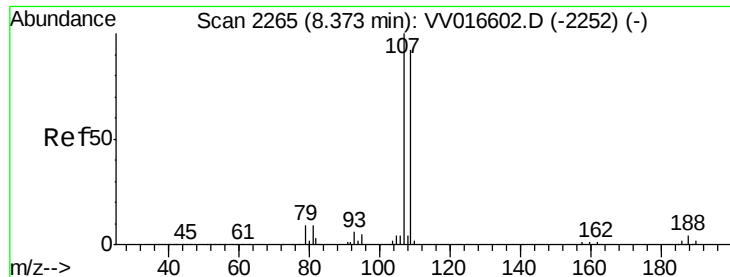
#49
Dibromochloromethane
Concen: 52.213 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016623.D
Acq: 07 Jun 2020 06:06

Tgt Ion: 129 Resp: 129588
Ion Ratio Lower Upper
129 100
127 79.1 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

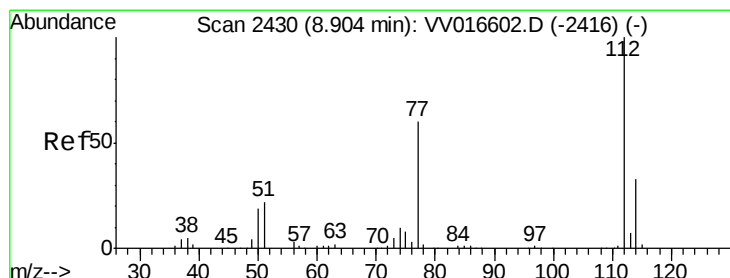
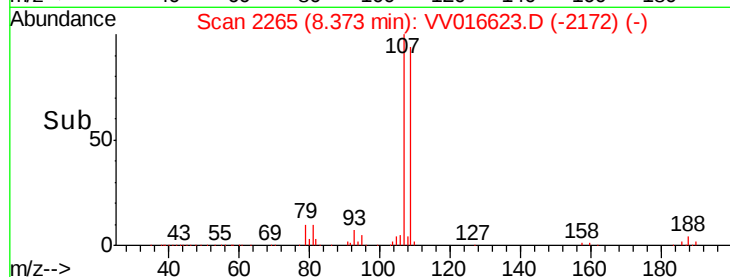
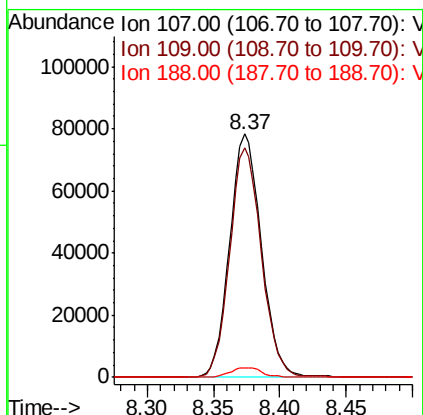
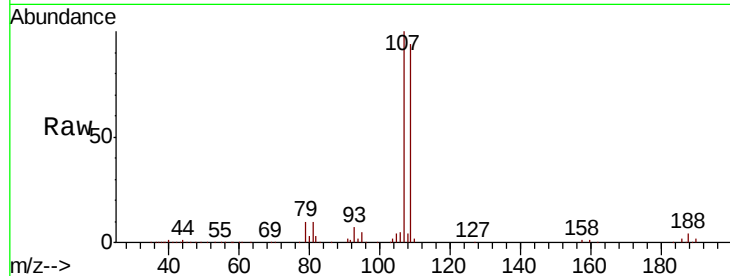




#50
 1,2-Dibromoethane
 Concen: 48.268 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

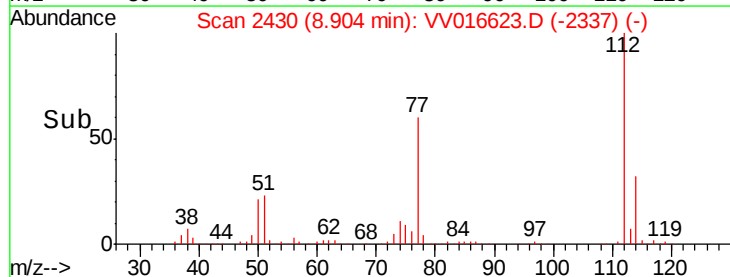
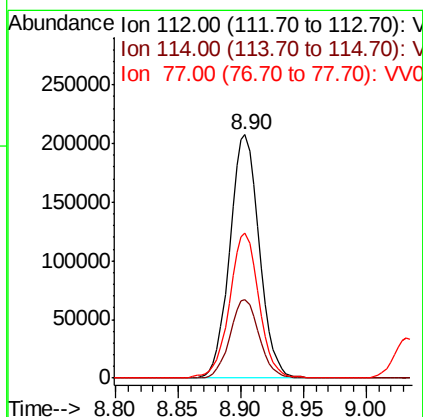
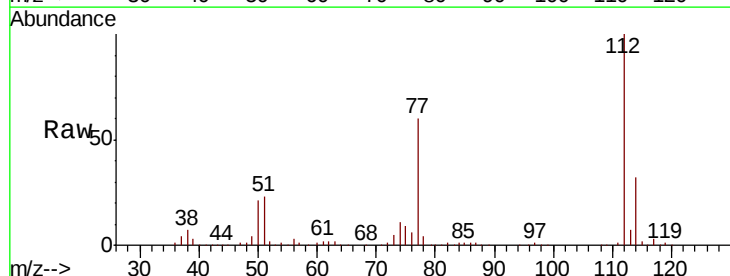
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

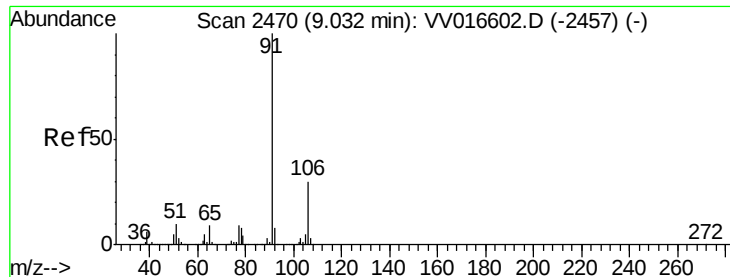
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.9	122.3
188	4.0	2.8	4.2



#51
 Chlorobenzene
 Concen: 47.981 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	59.7	47.4	71.2





#52

Ethylbenzene

Concen: 49.856 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

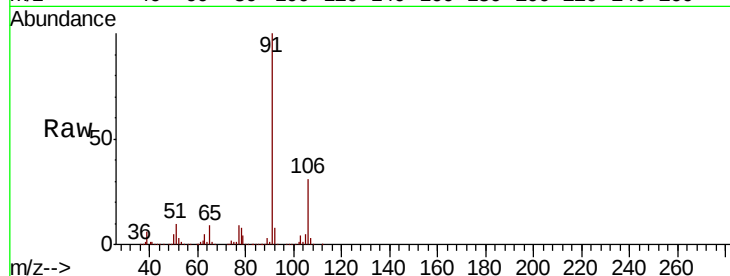
VSTD05071

Tot Ion: 91 Resp: 582433

Ion Ratio Lower Upper

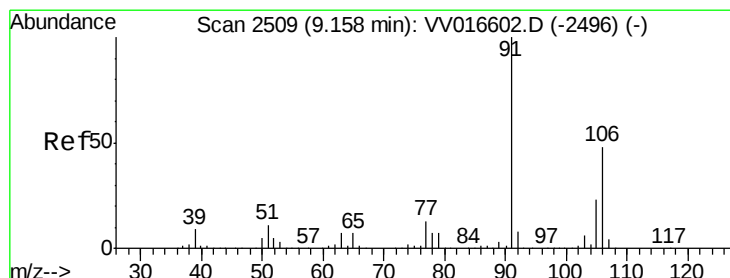
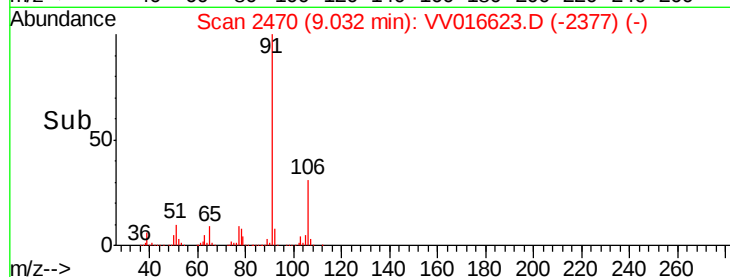
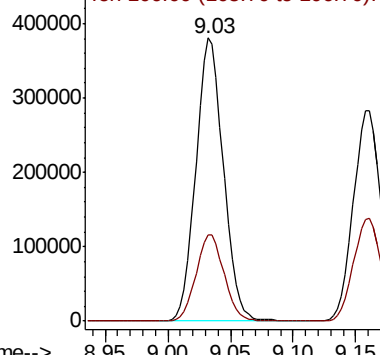
91 100

106 30.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.553 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016623.D

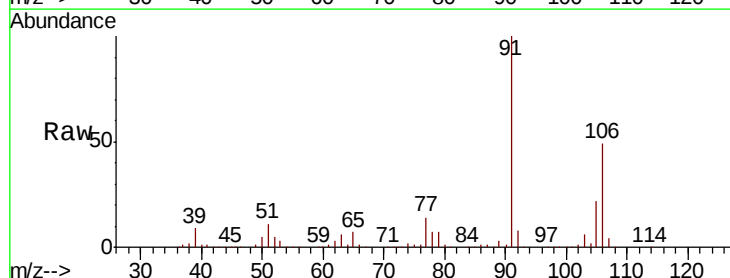
Acq: 07 Jun 2020 06:06

Tgt Ion: 106 Resp: 218282

Ion Ratio Lower Upper

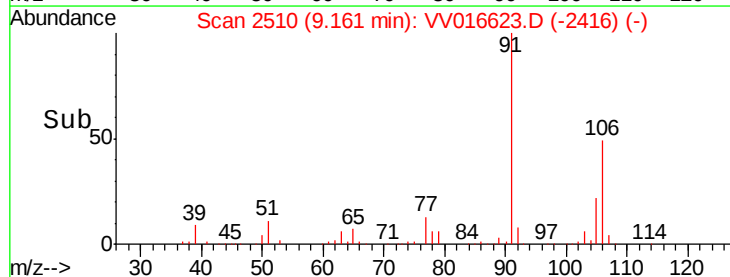
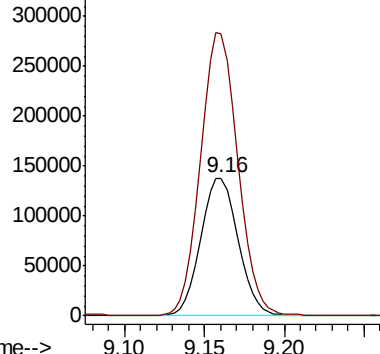
106 100

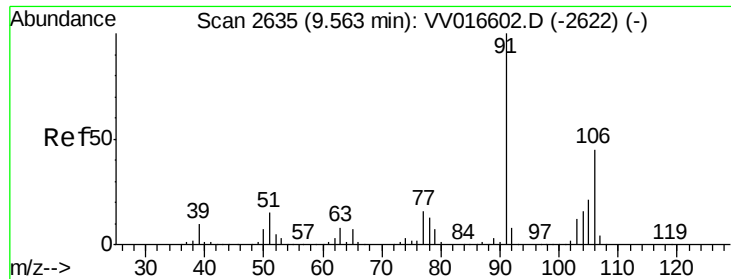
91 205.4 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 50.210 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

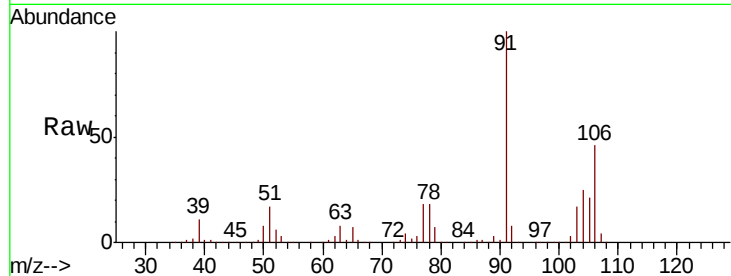
VSTD05071

Tot Ion:106 Resp: 214206

Ion Ratio Lower Upper

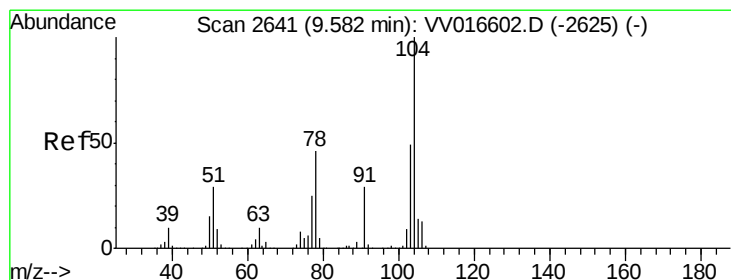
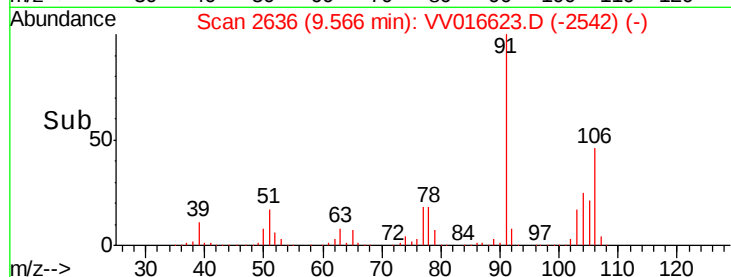
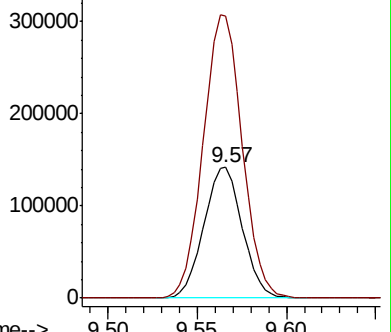
106 100

91 216.1 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.163 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016623.D

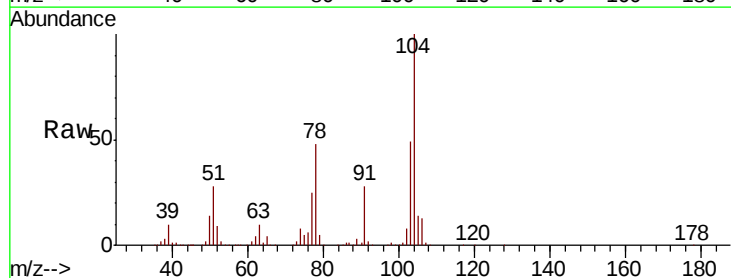
Acq: 07 Jun 2020 06:06

Tgt Ion:104 Resp: 367433

Ion Ratio Lower Upper

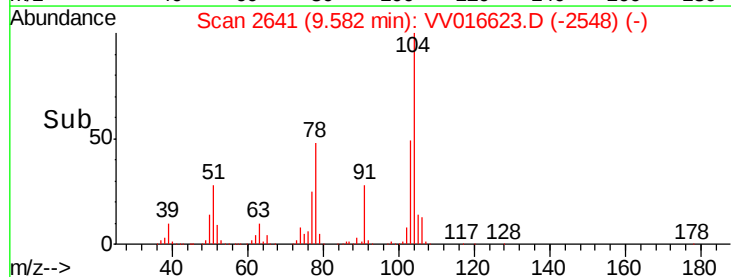
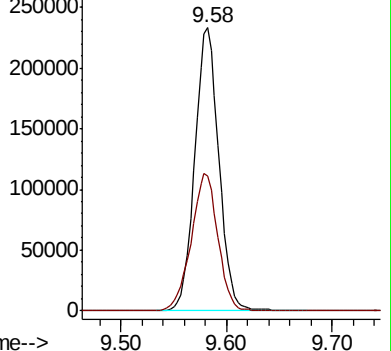
104 100

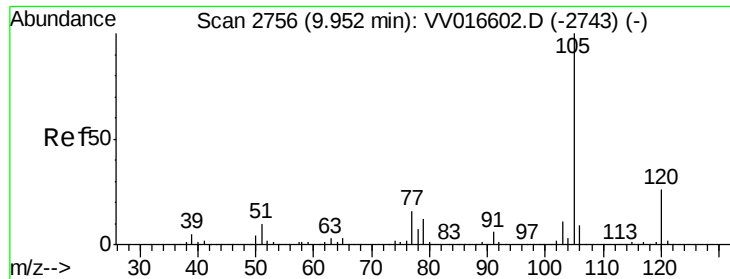
78 47.8 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.894 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

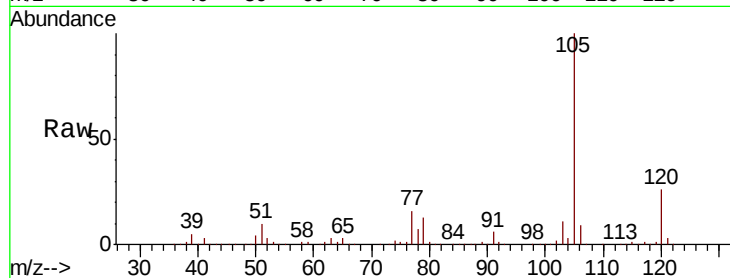
Tot Ion:105 Resp: 575055

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

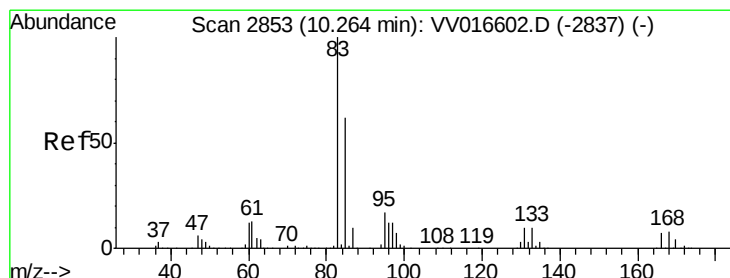
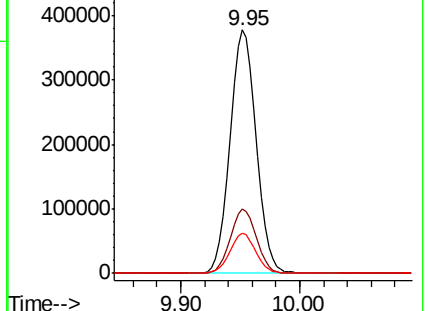
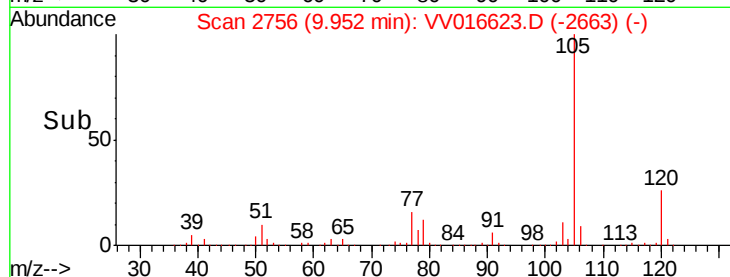
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.204 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

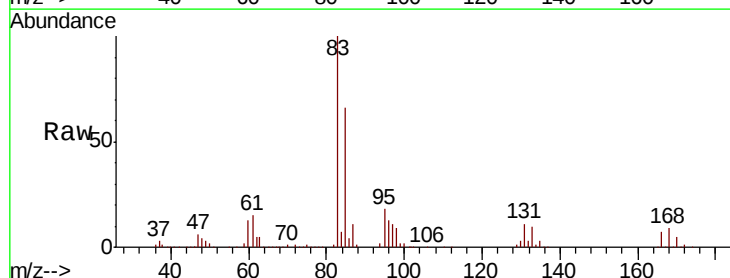
Tgt Ion: 83 Resp: 189221

Ion Ratio Lower Upper

83 100

85 65.8 44.0 81.6

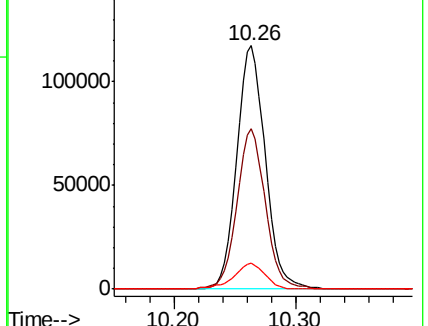
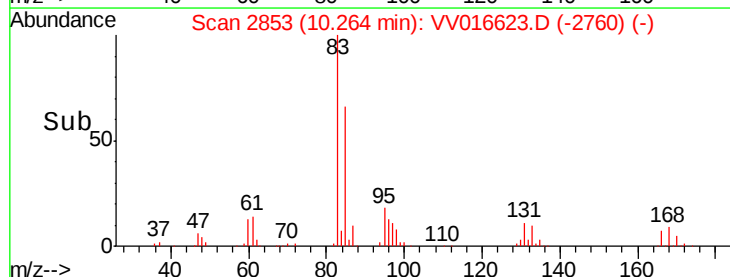
131 10.5 7.6 11.4

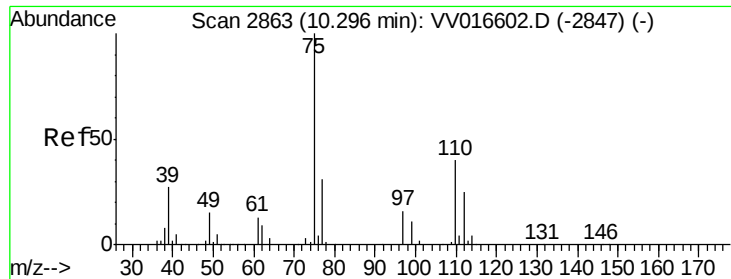


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.165 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampled :

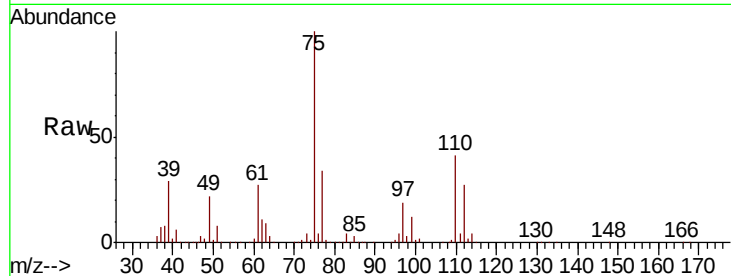
VSTD05071

Tot Ion: 75 Resp: 155389

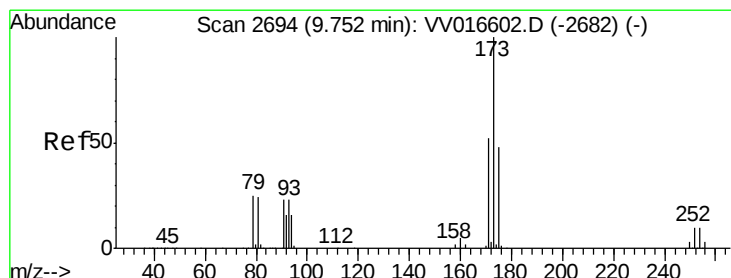
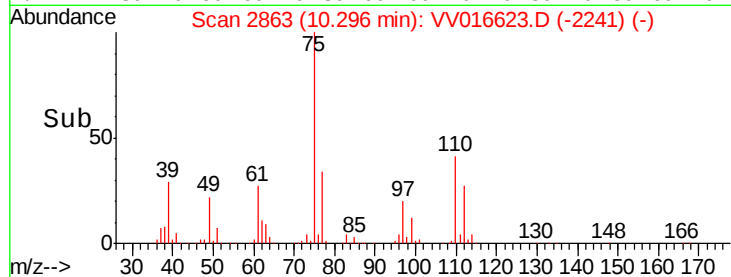
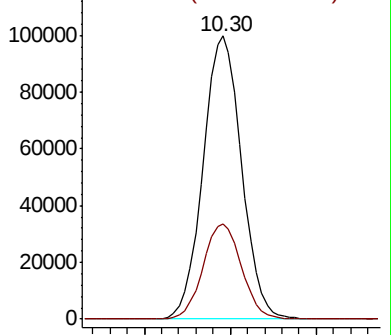
Ion Ratio Lower Upper

75 100

77 33.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016602.D (-2847) (-)



#61

Bromoform

Concen: 60.403 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

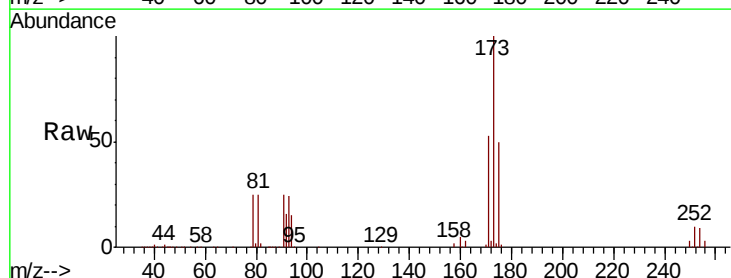
Tgt Ion: 173 Resp: 86289

Ion Ratio Lower Upper

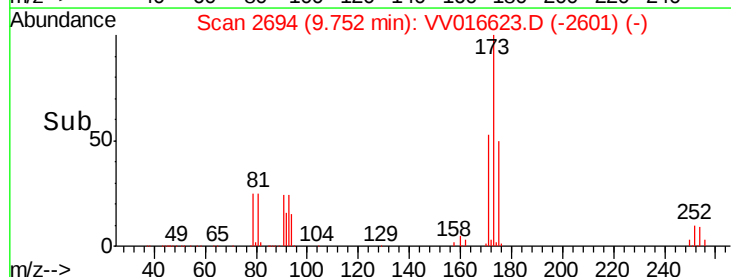
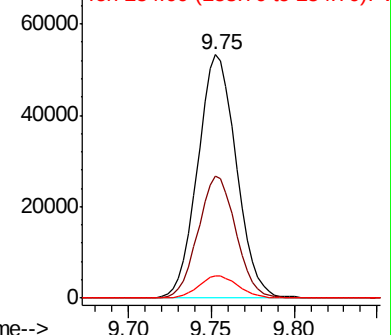
173 100

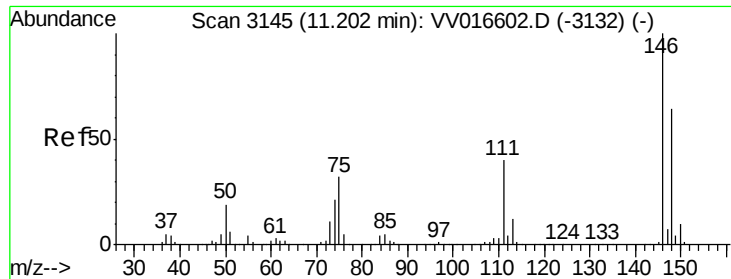
175 48.9 38.8 58.2

254 9.3 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): VV016602.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 48.805 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

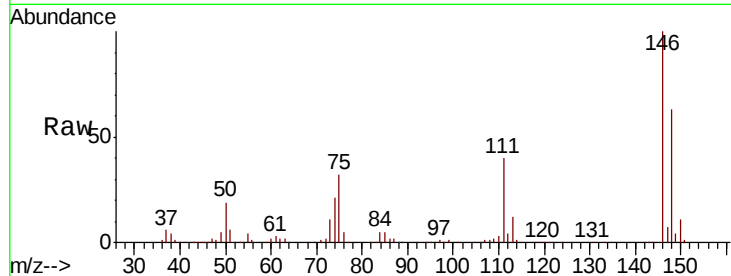
Tot Ion:146 Resp: 257986

Ion Ratio Lower Upper

146 100

111 39.9 29.8 55.3

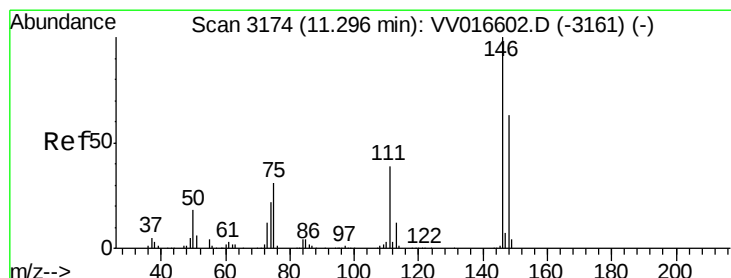
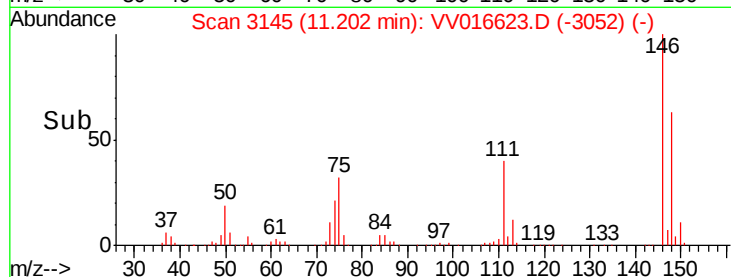
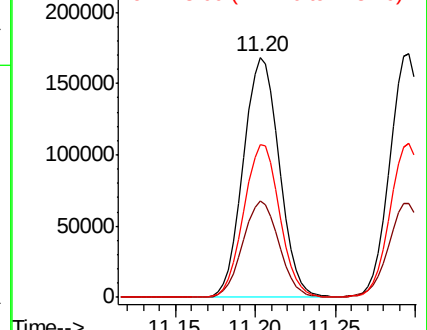
148 63.3 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.563 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

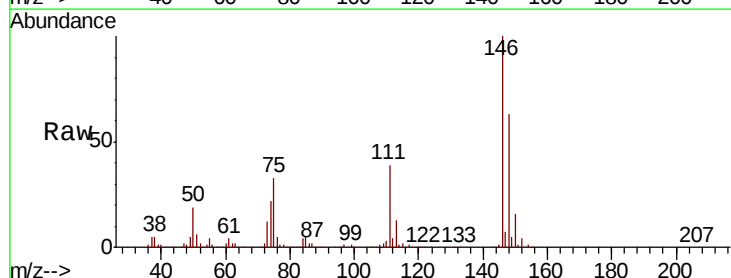
Tgt Ion:146 Resp: 260870

Ion Ratio Lower Upper

146 100

111 38.6 27.3 50.7

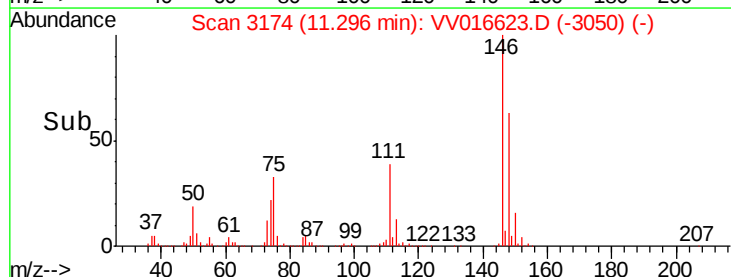
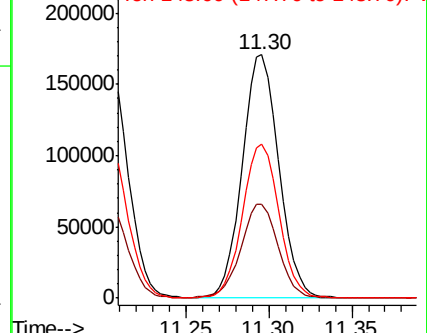
148 63.1 44.5 82.7

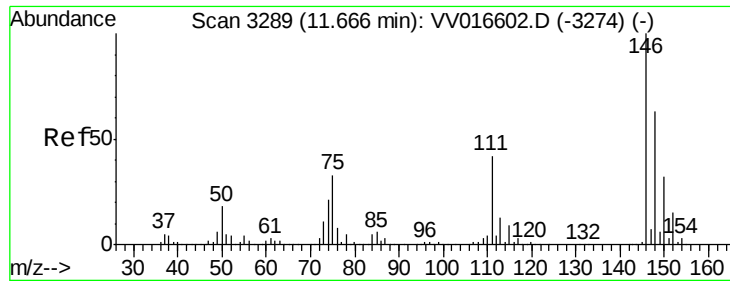


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.006 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

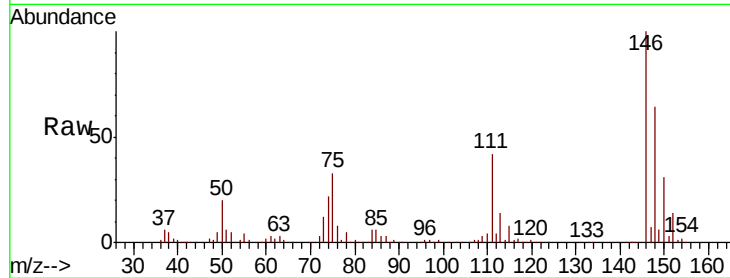
Tot Ion:146 Resp: 260741

Ion Ratio Lower Upper

146 100

111 42.1 33.6 50.4

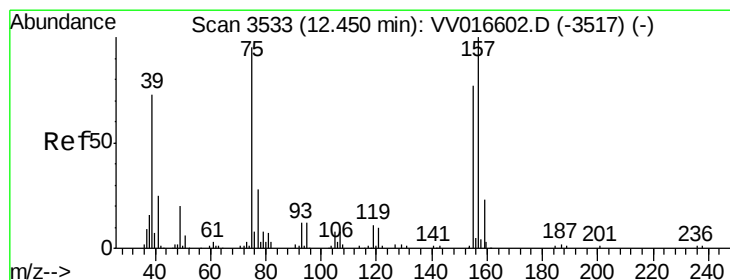
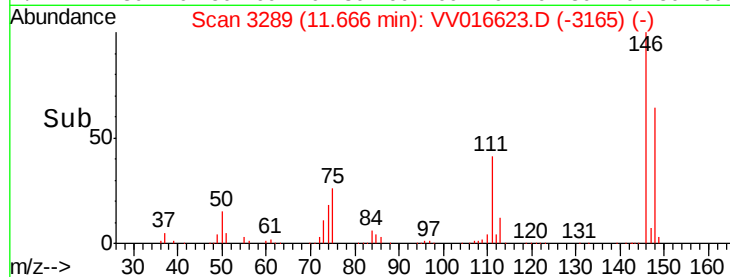
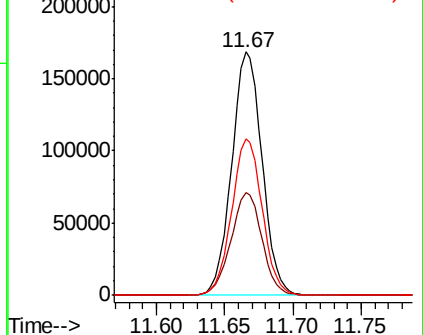
148 64.2 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.948 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

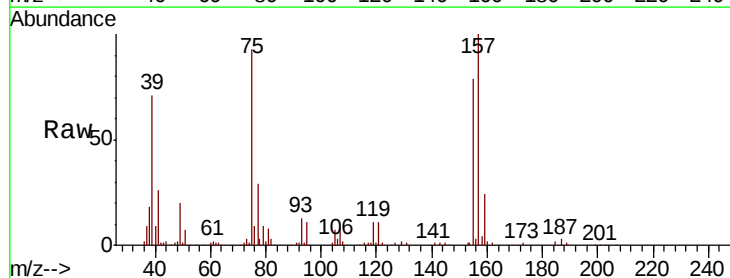
Tgt Ion: 75 Resp: 41945

Ion Ratio Lower Upper

75 100

155 85.4 66.2 99.2

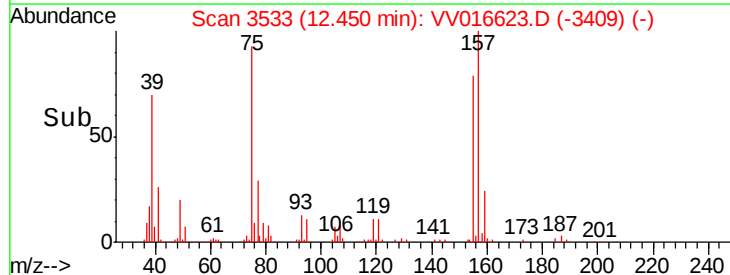
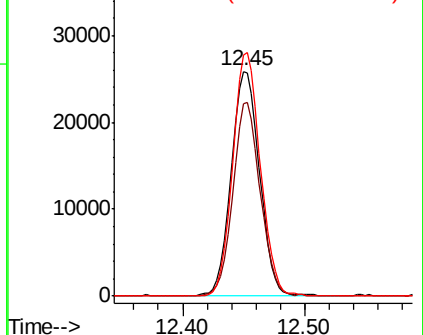
157 107.4 83.0 124.4

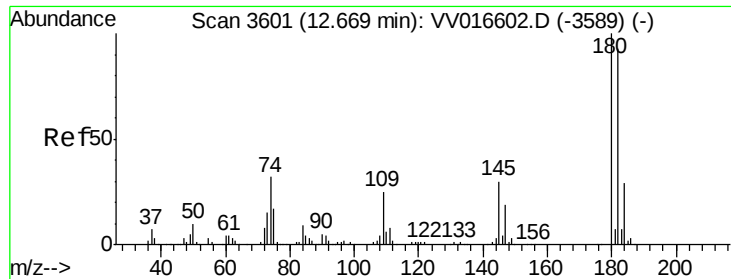


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

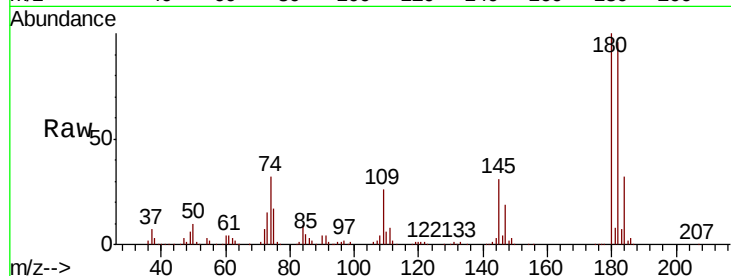




#67
 1,3,5-Trichlorobenzene
 Concen: 51.256 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.8
184	31.7	24.4	36.6
145	31.2	24.2	36.2



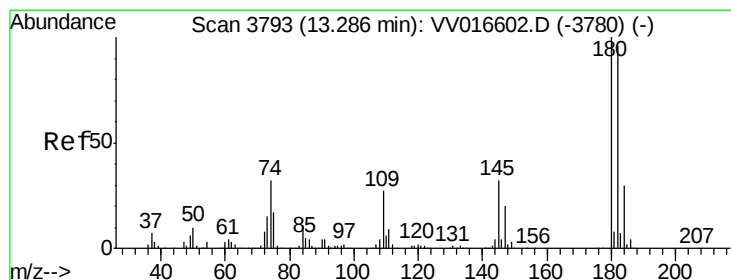
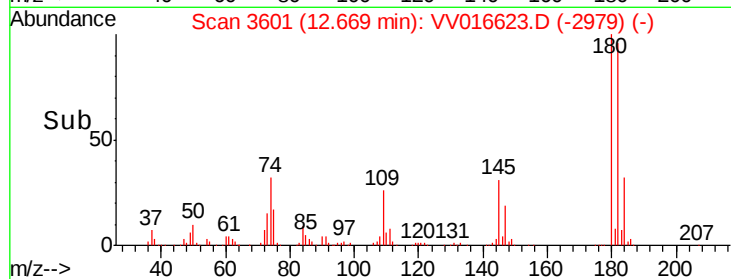
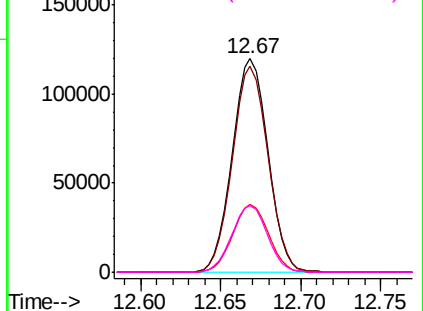
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

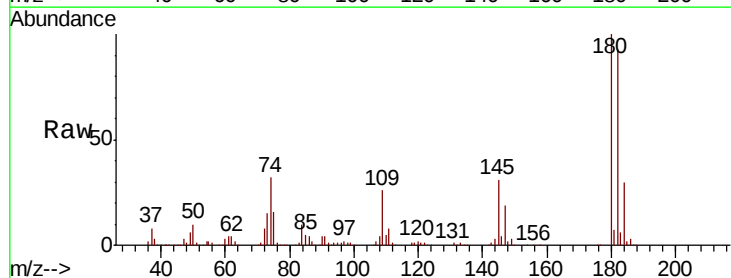
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.512 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016623.D
 Acq: 07 Jun 2020 06:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.6	111.8
145	30.9	24.5	36.7

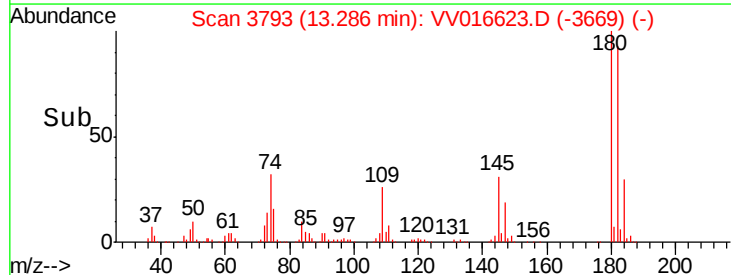
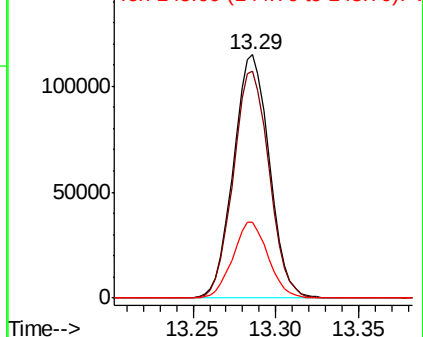


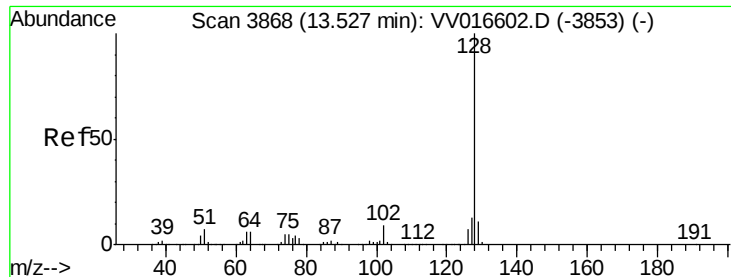
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.901 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

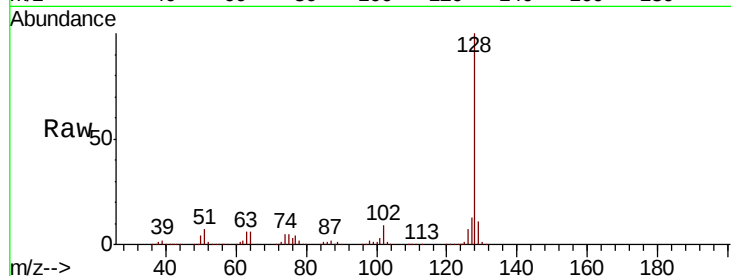
Tot Ion:128 Resp: 534598

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

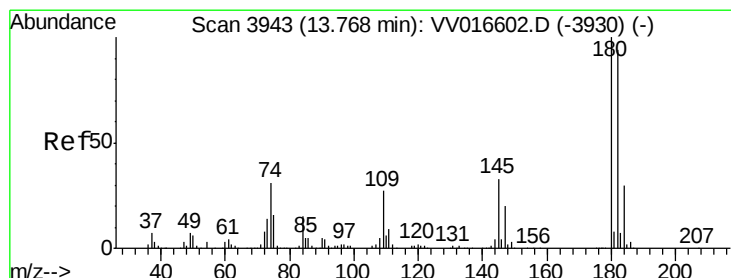
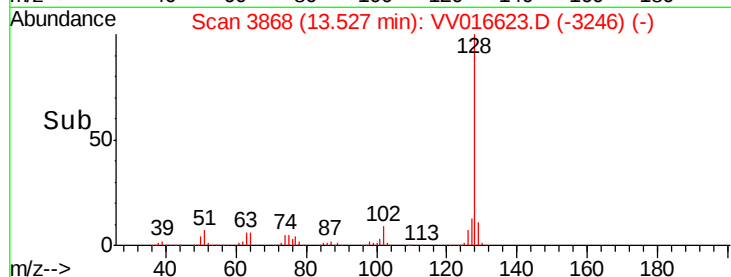
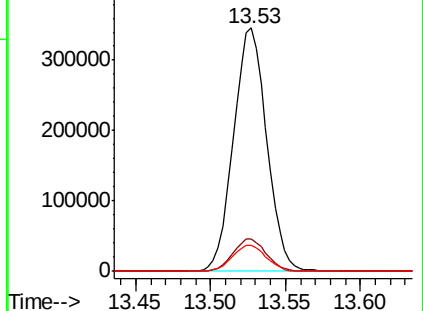
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.757 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016623.D

Acq: 07 Jun 2020 06:06

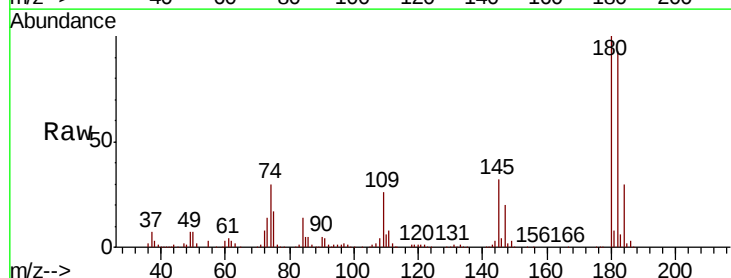
Tgt Ion:180 Resp: 174506

Ion Ratio Lower Upper

180 100

182 94.2 76.0 114.0

145 32.2 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

