

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016645.D
 Acq On : 07 Jun 2020 15:16
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Jun 08 05:47:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 08 05:42:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	352667	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	336955	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	93839	37.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.14%
7) Chloroethane-d5	1.56	69	68141	37.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.58%
11) 1,1-Dichloroethene-d2	2.12	63	179669	40.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.16%
21) 2-Butanone-d5	3.89	46	174985	109.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.56%
24) Chloroform-d	4.37	84	229008	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.05	65	156417	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
32) Benzene-d6	5.07	84	434858	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
36) 1,2-Dichloropropane-d6	6.09	67	137084	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.48%
41) Toluene-d8	7.34	98	396679	48.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.78%
43) trans-1,3-Dichloropropene-	7.64	79	63993	46.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.38%
47) 2-Hexanone-d5	8.11	63	131334	109.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189427	49.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	169864	52.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	132393	45.499	ug/L	99
3) Chloromethane	1.25	50	133804	47.726	ug/L	98
5) Vinyl chloride	1.32	62	116893	43.153	ug/L	100
6) Bromomethane	1.51	94	42849	30.407	ug/L	98
8) Chloroethane	1.58	64	64274	42.339	ug/L	97
9) Trichlorofluoromethane	1.76	101	173390	44.325	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83815	41.194	ug/L	98
12) 1,1-Dichloroethene	2.13	96	80013	40.866	ug/L	93
13) Acetone	2.17	43	96614	64.722	ug/L	98
14) Carbon disulfide	2.30	76	295102	43.534	ug/L	100
15) Methyl Acetate	2.44	43	132243	48.199	ug/L	99
16) Methylene chloride	2.52	84	122951	44.543	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	112612	45.584	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	383409	50.131	ug/L	99
19) 1,1-Dichloroethane	3.21	63	215813	47.236	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	125256	46.981	ug/L	99
22) 2-Butanone	3.98	43	176276	95.162	ug/L	98

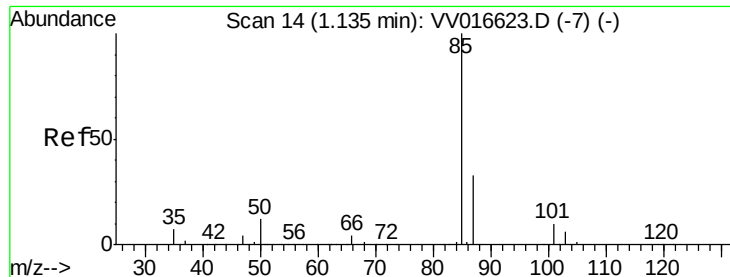
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 08 05:42:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	65648	47.851	ug/L	97
25) Chloroform	4.40	83	222636	46.491	ug/L	99
27) 1,2-Dichloroethane	5.15	62	188705	48.496	ug/L	99
29) Cyclohexane	4.70	56	195401	48.860	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	204096	49.701	ug/L	98
31) Carbon tetrachloride	4.85	117	172434	48.824	ug/L	99
33) Benzene	5.12	78	477543	48.189	ug/L	100
34) Trichloroethene	5.94	95	122352	47.054	ug/L	97
35) Methylcyclohexane	6.15	83	181266	48.566	ug/L	98
37) 1,2-Dichloropropane	6.20	63	123896	47.966	ug/L	99
38) Bromodichloromethane	6.53	83	162755	49.040	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	173130	45.970	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	362963	102.125	ug/L	99
42) Toluene	7.41	91	508370	48.412	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	171876	46.514	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	119427	47.817	ug/L	97
46) Tetrachloroethene	8.00	164	95589	47.678	ug/L	99
48) 2-Hexanone	8.16	43	281967	102.048	ug/L	98
49) Dibromochloromethane	8.27	129	127734	52.606	ug/L	97
50) 1,2-Dibromoethane	8.37	107	124531	47.135	ug/L	99
51) Chlorobenzene	8.90	112	327744	47.488	ug/L	99
52) Ethylbenzene	9.03	91	563151	49.274	ug/L	99
53) m,p-Xylene	9.16	106	211879	49.166	ug/L	100
54) o-xylene	9.56	106	210070	50.332	ug/L	99
55) Styrene	9.58	104	360763	49.340	ug/L	99
56) Isopropylbenzene	9.95	105	560817	51.731	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	191230	47.730	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	155853	48.354	ug/L	99
61) Bromoform	9.75	173	84852	59.065	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	259992	48.910	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	260765	47.279	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	270970	50.644	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	43824	53.972	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	184948	51.715	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	171487	51.796	ug/L	99
69) Naphthalene	13.53	128	532848	52.434	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	171432	54.469	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.499 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

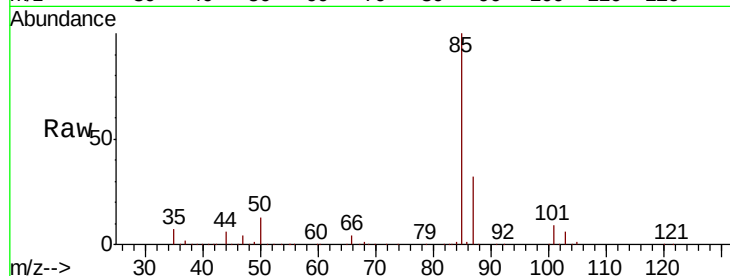
VSTD05072

Tot Ion: 85 Resp: 132393

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

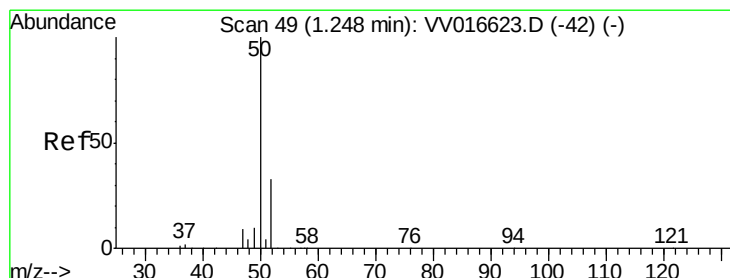
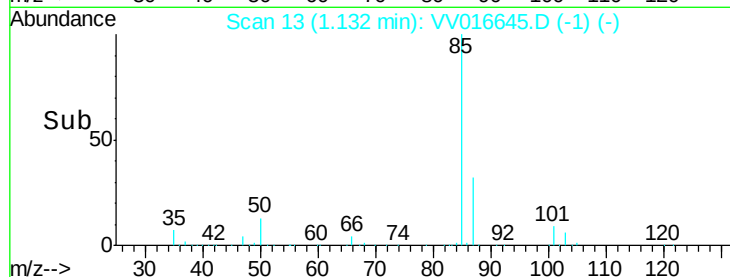
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.726 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016645.D

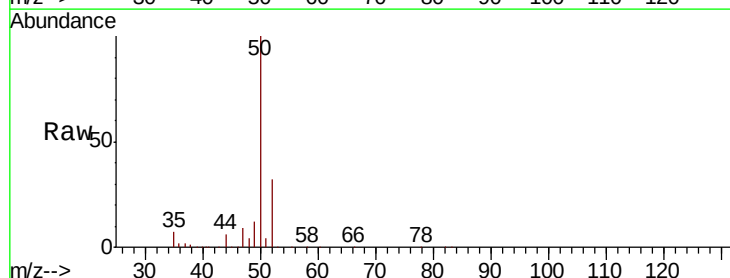
Acq: 07 Jun 2020 15:16

Tgt Ion: 50 Resp: 133804

Ion Ratio Lower Upper

50 100

52 32.4 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

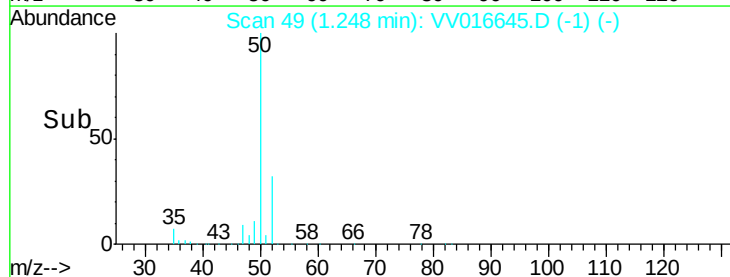
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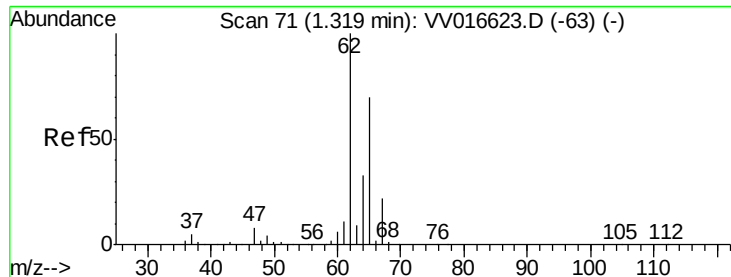
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 43.153 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

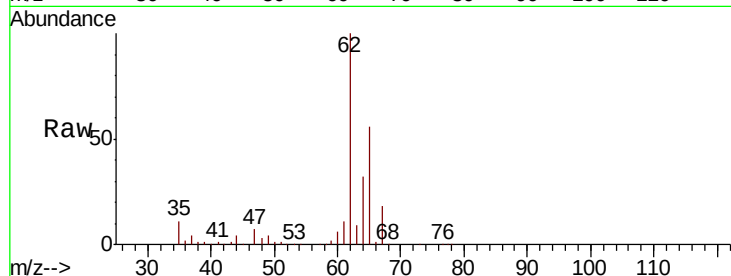
VSTD05072

Tot Ion: 62 Resp: 116893

Ion Ratio Lower Upper

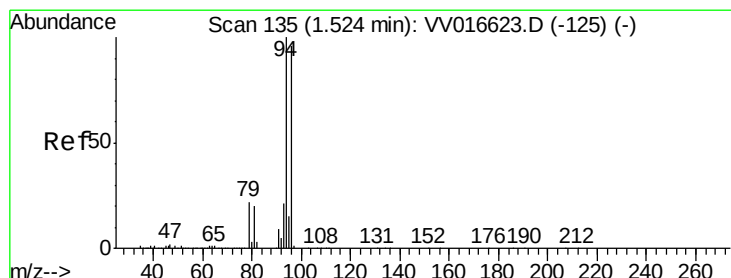
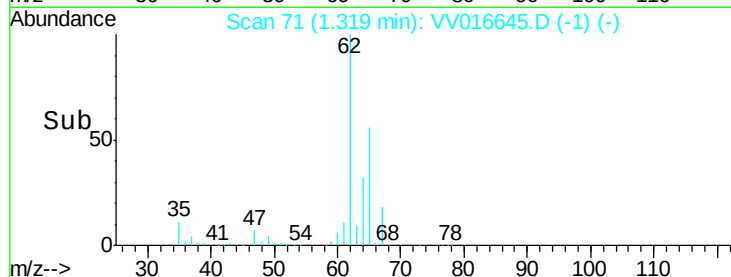
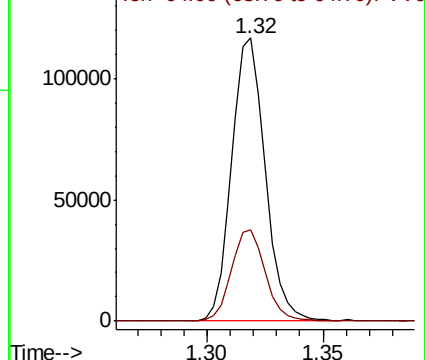
62 100

64 32.4 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: 30.407 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV016645.D

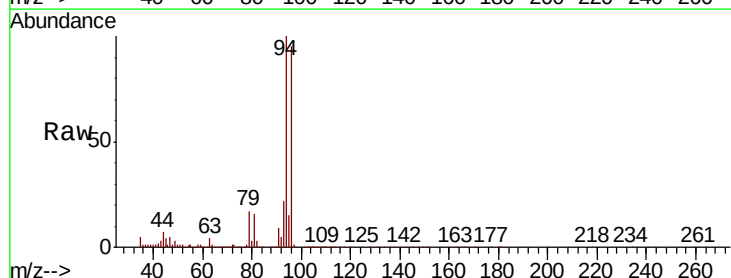
Acq: 07 Jun 2020 15:16

Tgt Ion: 94 Resp: 42849

Ion Ratio Lower Upper

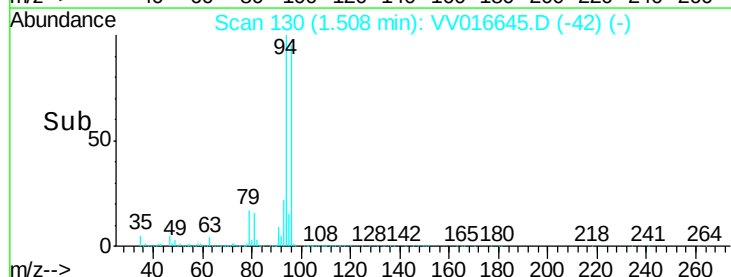
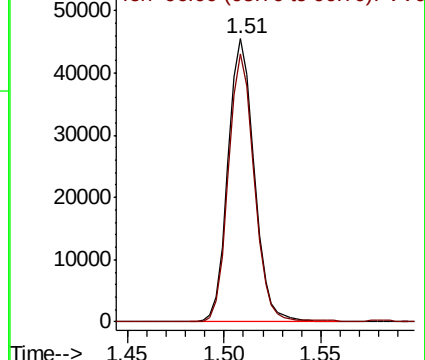
94 100

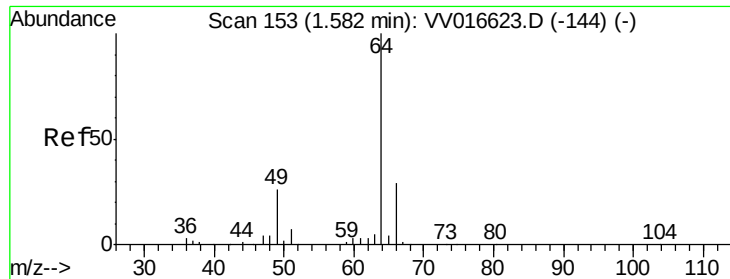
96 94.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 42.339 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

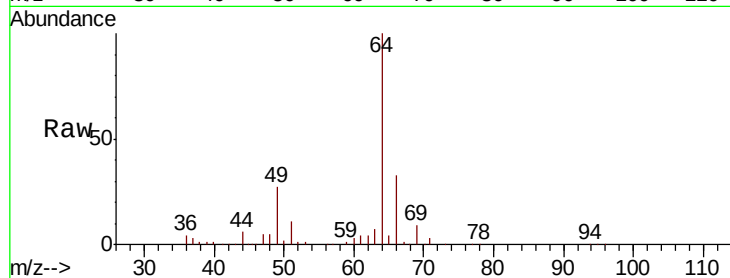
VSTD05072

Tot Ion: 64 Resp: 64274

Ion Ratio Lower Upper

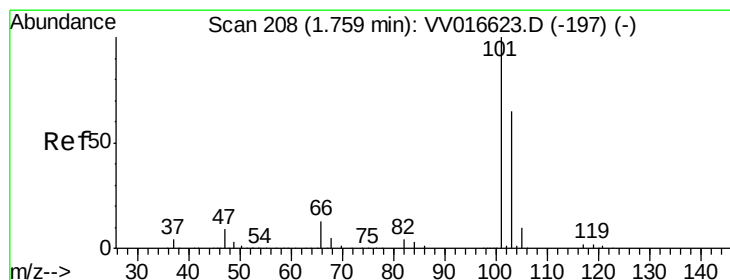
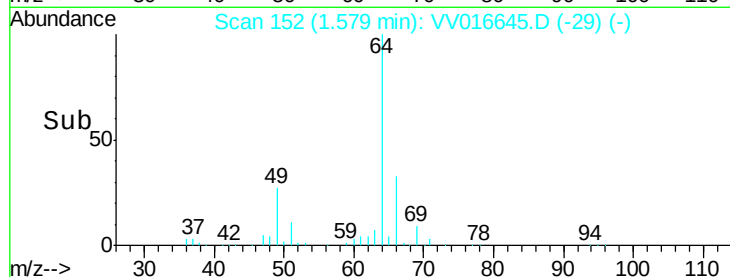
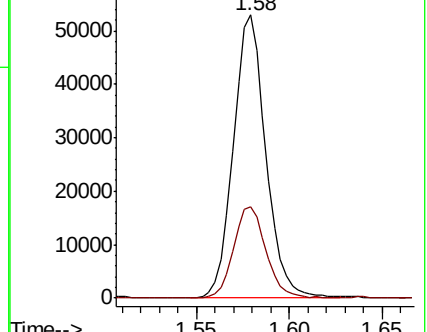
64 100

66 32.5 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016623.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV016645.D (-29) (-)



#9

Trichlorofluoromethane

Concen: 44.325 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV016645.D

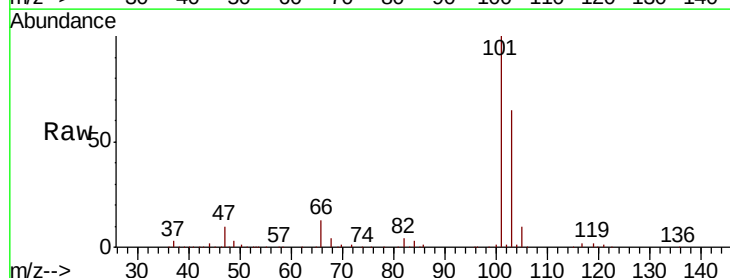
Acq: 07 Jun 2020 15:16

Tgt Ion: 101 Resp: 173390

Ion Ratio Lower Upper

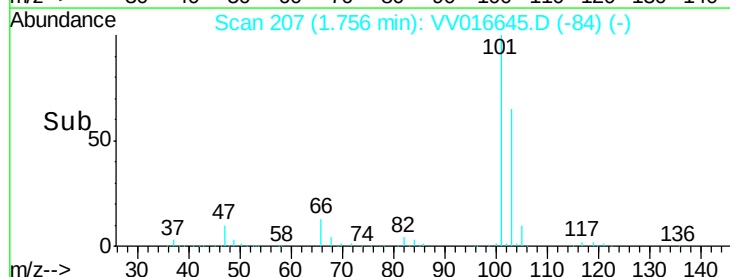
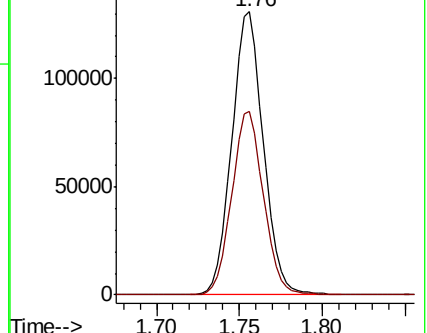
101 100

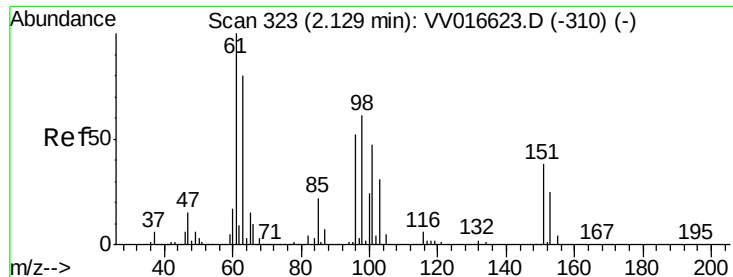
103 65.2 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016623.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV016645.D (-84) (-)





#10

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

Concen: 41.194 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

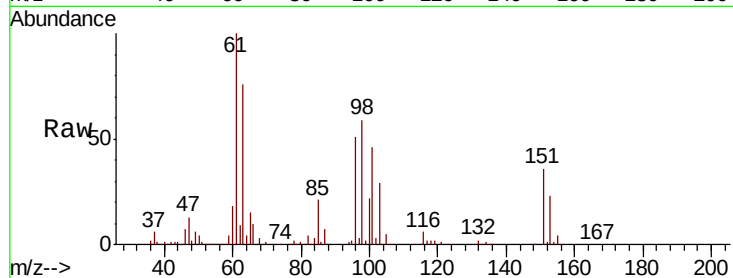
Tot Ion:101 Resp: 83815

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

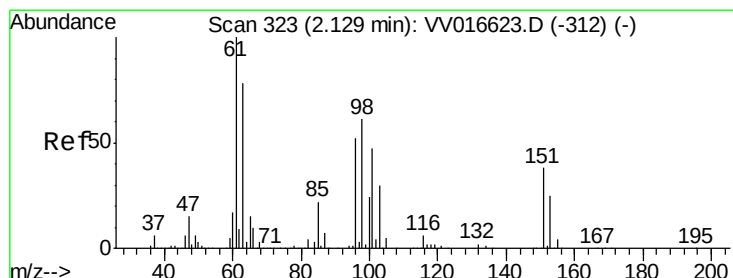
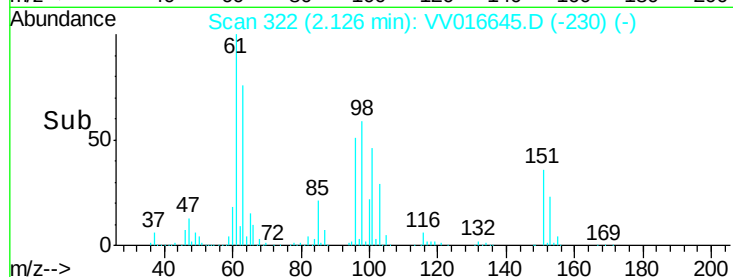
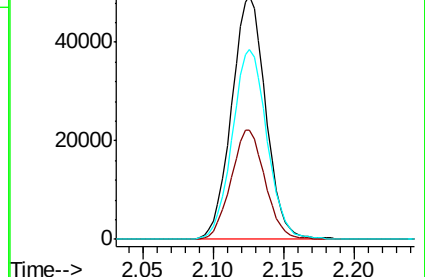
151 79.2 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016623.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV016623.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV016623.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 40.866 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

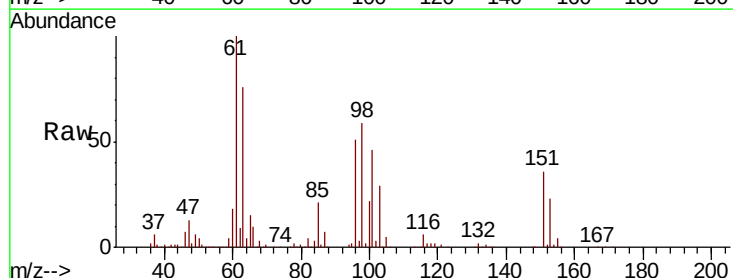
Tgt Ion: 96 Resp: 80013

Ion Ratio Lower Upper

96 100

61 195.4 125.5 233.1

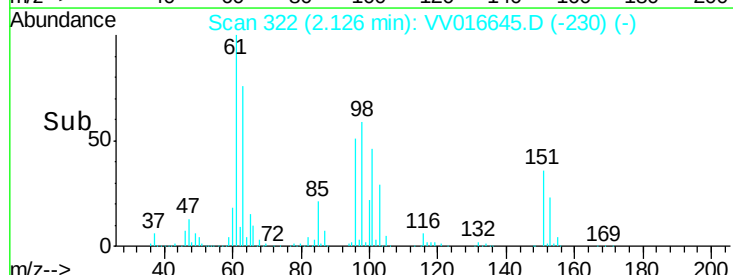
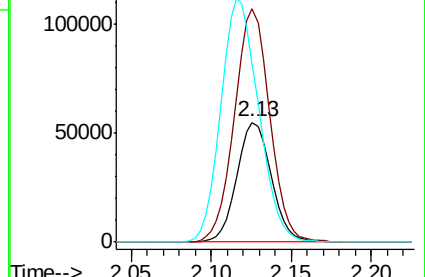
63 149.4 104.0 193.1

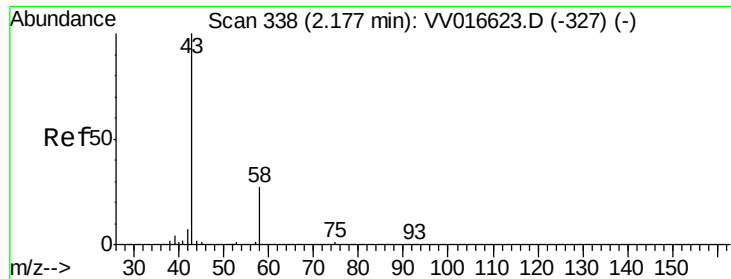


Abundance Ion 96.00 (95.70 to 96.70): VV016623.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV016623.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV016623.D (-312) (-)





#13

Acetone

Concen: 64.722 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.01 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

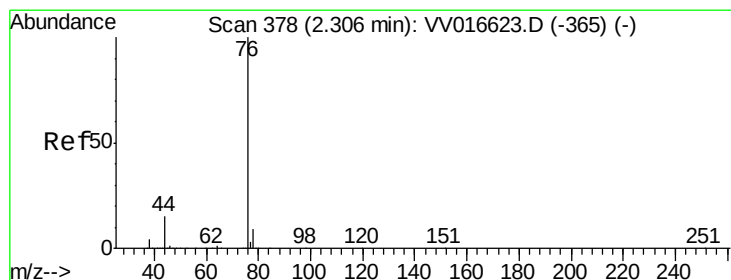
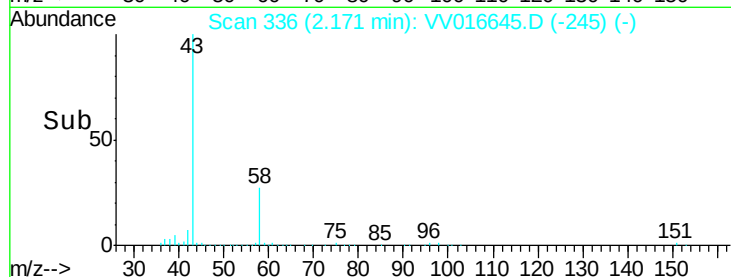
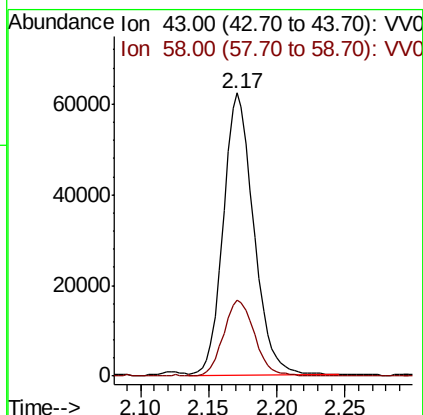
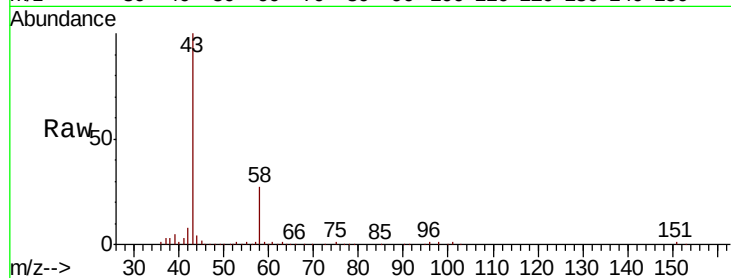
VSTD05072

Tot Ion: 43 Resp: 96614

Ion Ratio Lower Upper

43 100

58 27.6 0.0 57.2



#14

Carbon disulfide

Concen: 43.534 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV016645.D

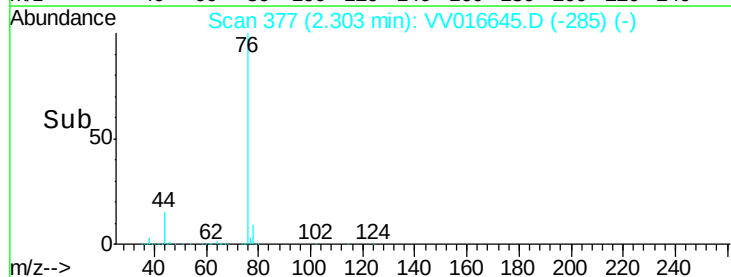
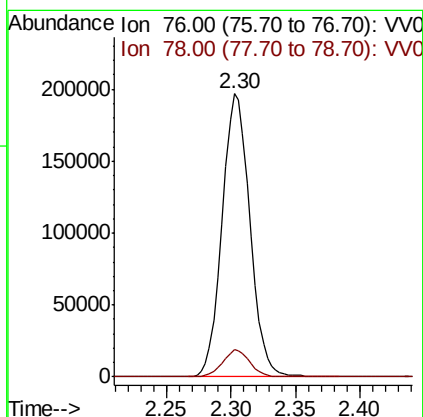
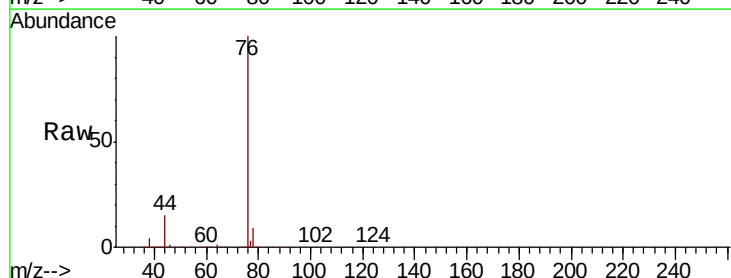
Acq: 07 Jun 2020 15:16

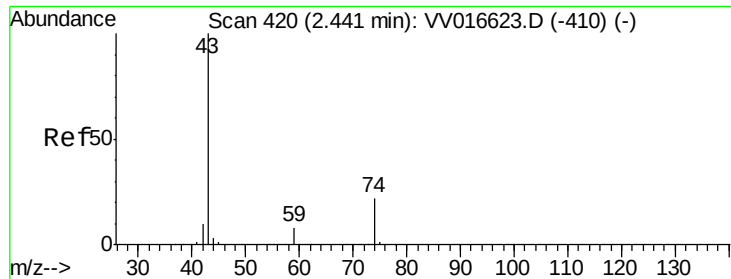
Tgt Ion: 76 Resp: 295102

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4





#15

Methvl Acetate

Concen: 48.199 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

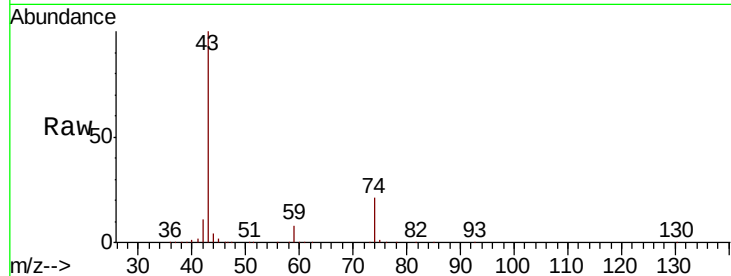
VSTD05072

Tot Ion: 43 Resp: 132243

Ion Ratio Lower Upper

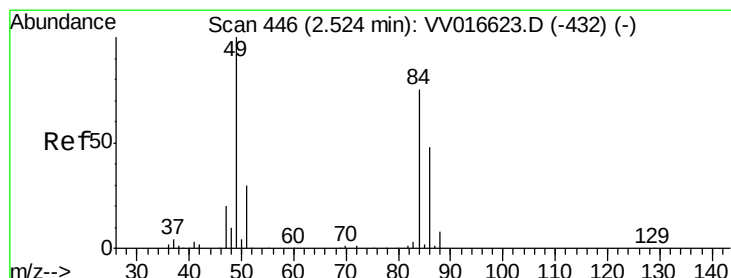
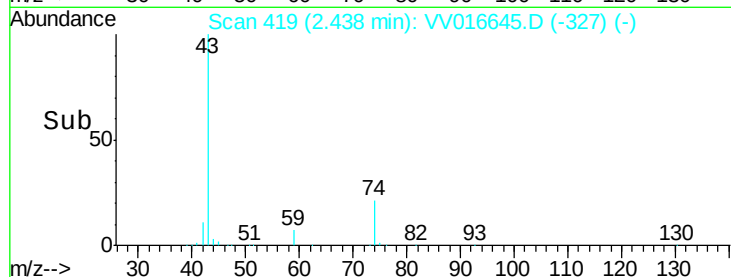
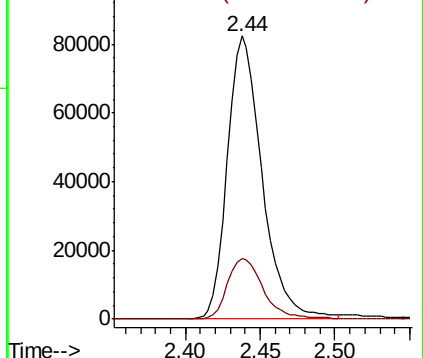
43 100

74 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 44.543 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.01 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

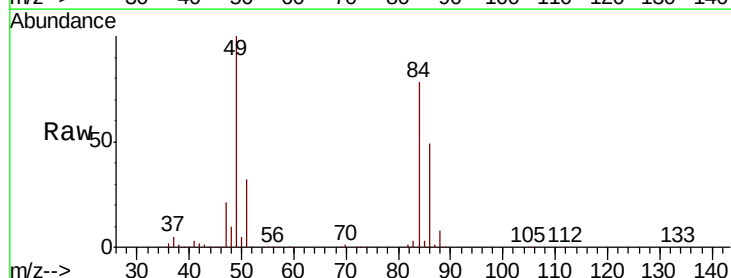
Tgt Ion: 84 Resp: 122951

Ion Ratio Lower Upper

84 100

86 63.2 45.1 83.9

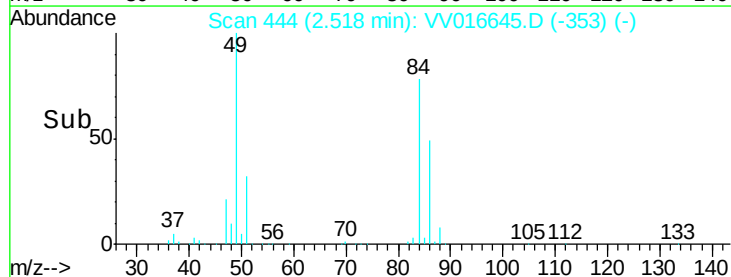
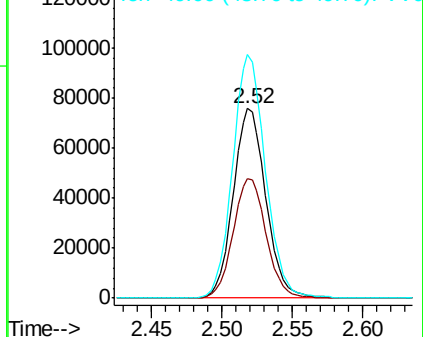
49 128.5 92.4 171.6

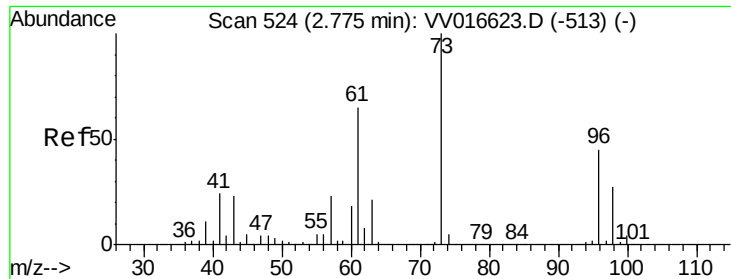


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

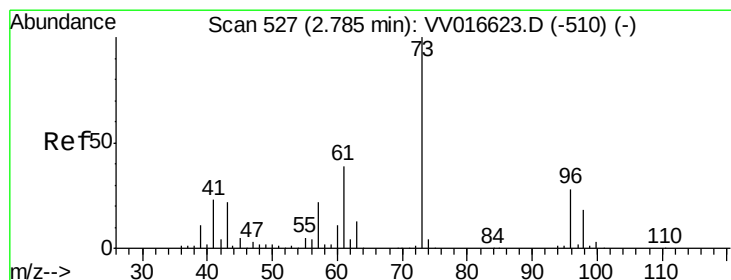
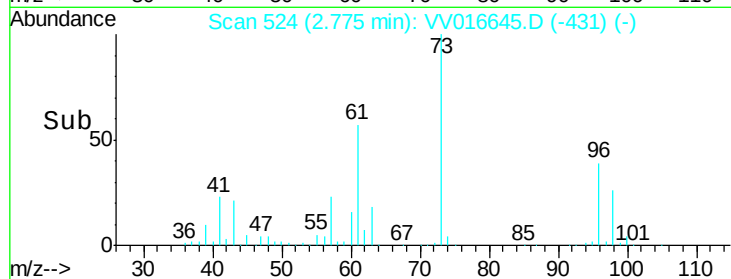
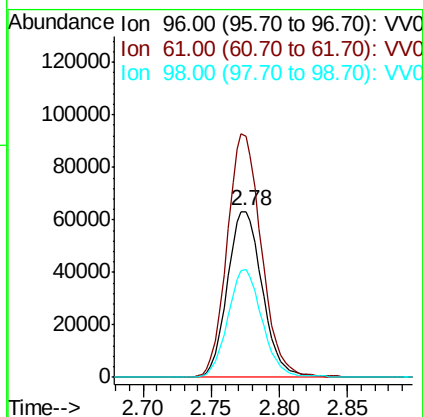
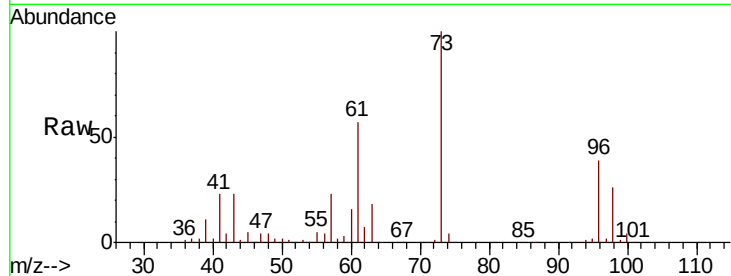




#17
trans-1,2-Dichloroethene
Concen: 45.584 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016645.D
Acq: 07 Jun 2020 15:16

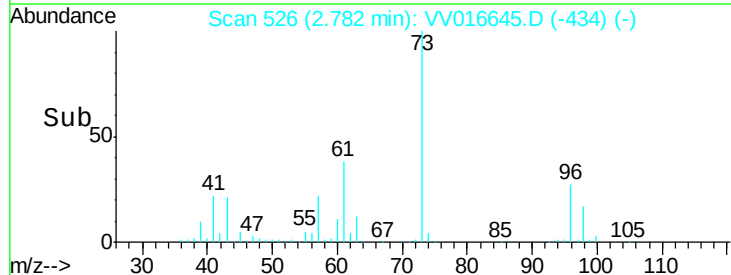
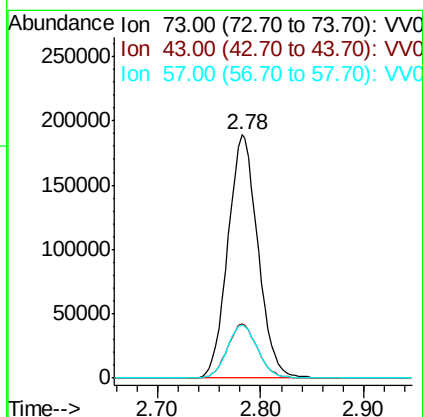
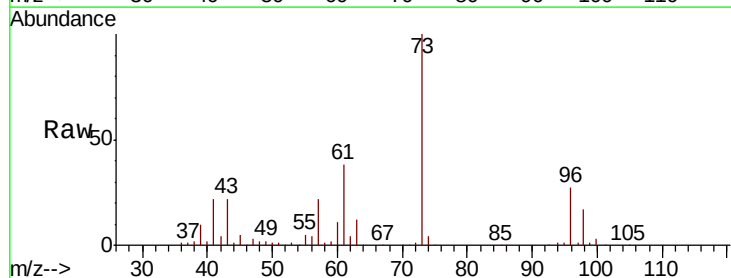
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

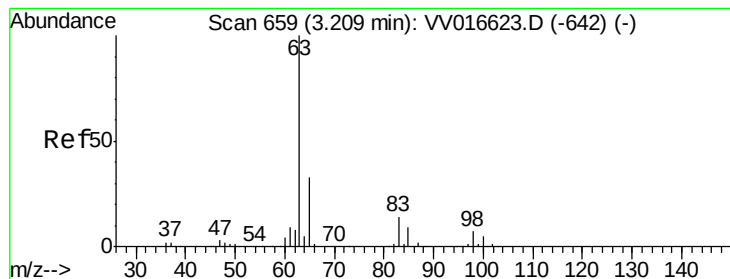
Tot Ion: 96 Resp: 112612
Ion Ratio Lower Upper
96 100
61 145.1 101.0 187.6
98 65.0 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 50.131 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV016645.D
Acq: 07 Jun 2020 15:16

Tgt Ion: 73 Resp: 383409
Ion Ratio Lower Upper
73 100
43 22.0 17.0 25.4
57 22.2 17.8 26.8





#19

1,1-Dichloroethane

Concen: 47.236 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

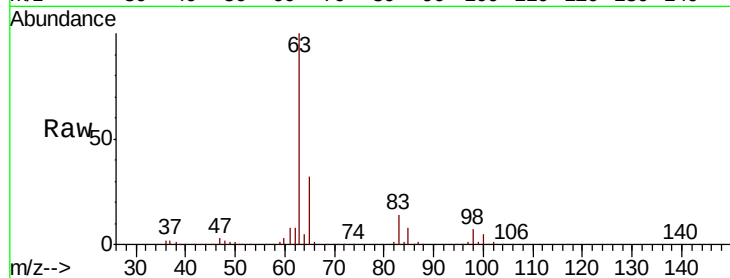
Tot Ion: 63 Resp: 215813

Ion Ratio Lower Upper

63 100

65 32.1 22.2 41.2

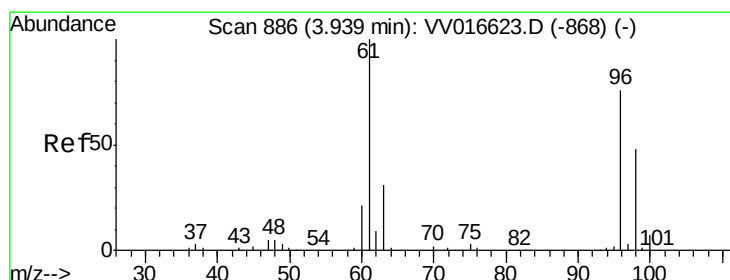
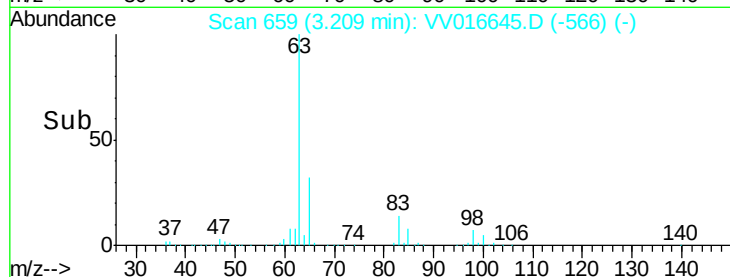
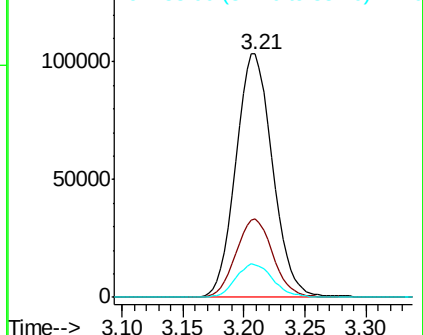
83 13.6 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 46.981 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

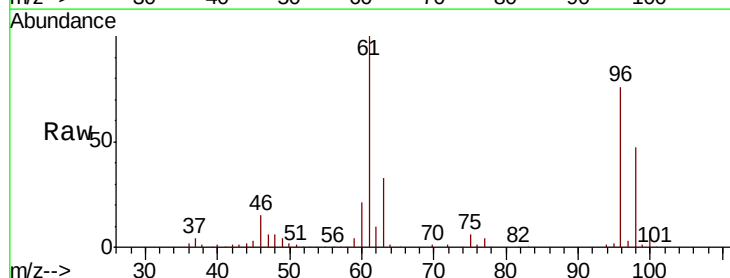
Tgt Ion: 96 Resp: 125256

Ion Ratio Lower Upper

96 100

61 131.8 93.4 173.4

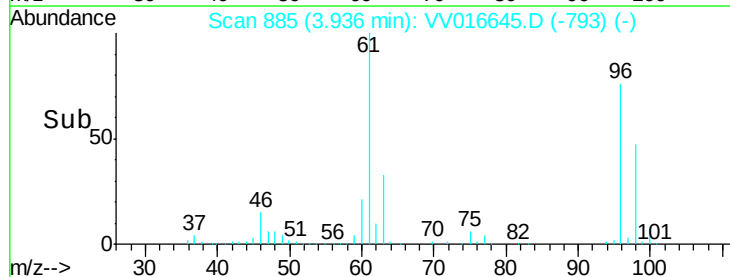
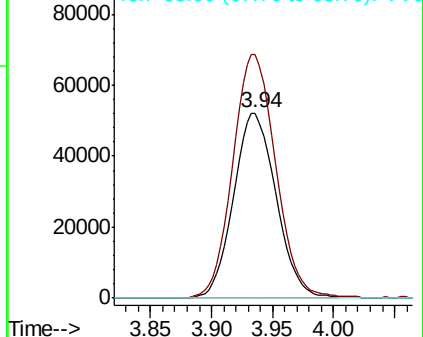
68 0.0 0.0 0.0

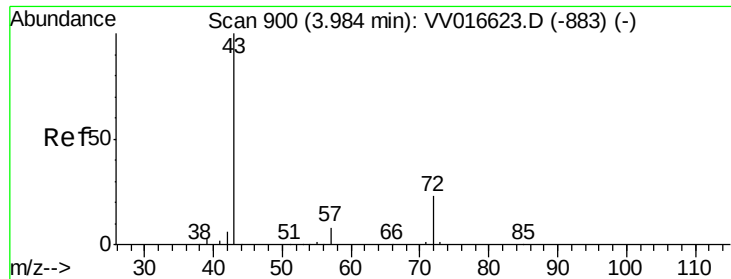


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 95.162 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.01 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

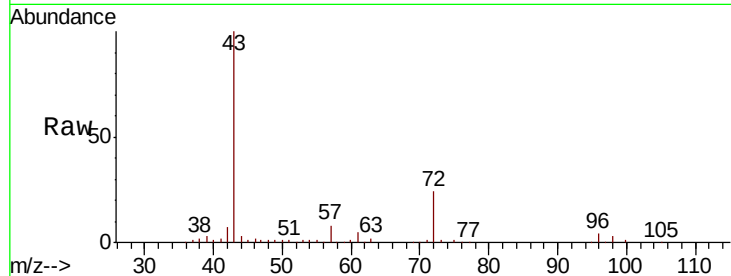
VSTD05072

Tot Ion: 43 Resp: 176276

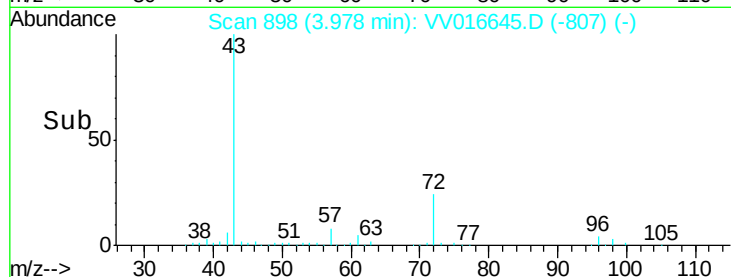
Ion Ratio Lower Upper

43 100

72 24.6 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016645.D (-897) (-)



Ion 72.00 (71.70 to 72.70): VV016645.D (-897) (-)

3.98

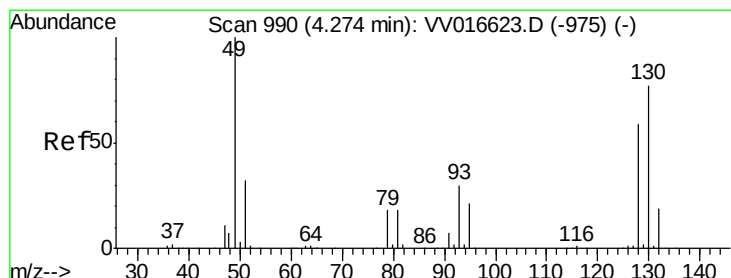
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 47.851 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Tgt Ion: 128 Resp: 65648

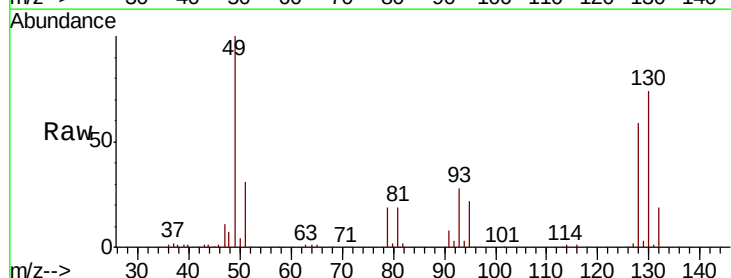
Ion Ratio Lower Upper

128 100

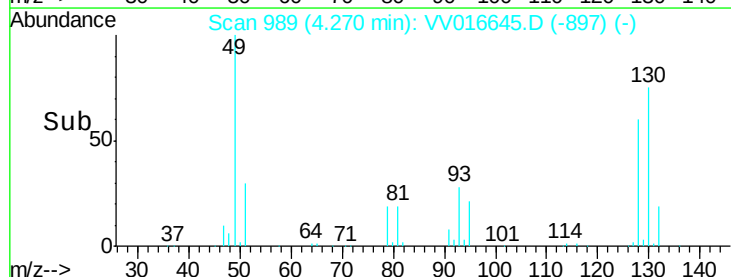
49 168.9 121.7 225.9

130 125.0 90.1 167.3

51 52.2 43.8 65.6



Abundance Ion 128.00 (127.70 to 128.70): VV016645.D (-897) (-)



Ion 49.00 (48.70 to 49.70): VV016645.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016645.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016645.D (-897) (-)

4.27

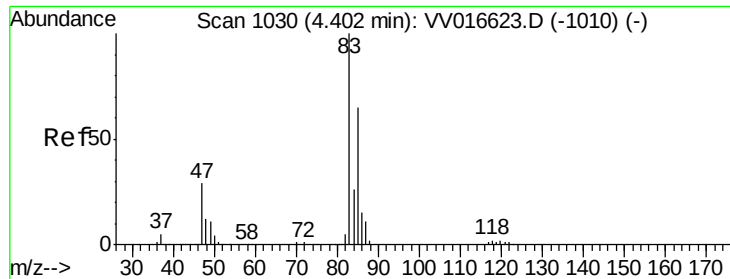
60000

40000

20000

0

Time-->



#25

Chloroform

Concen: 46.491 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

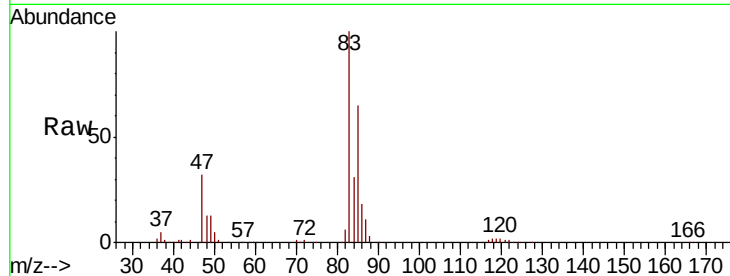
VSTD05072

Tot Ion: 83 Resp: 222636

Ion Ratio Lower Upper

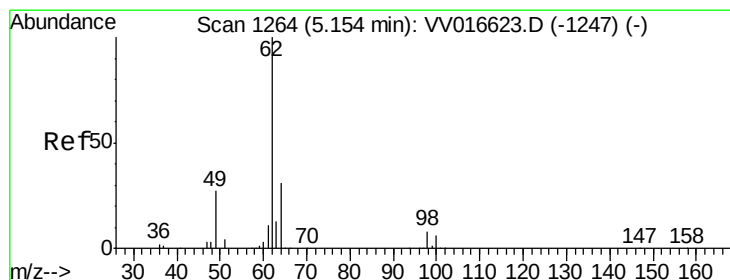
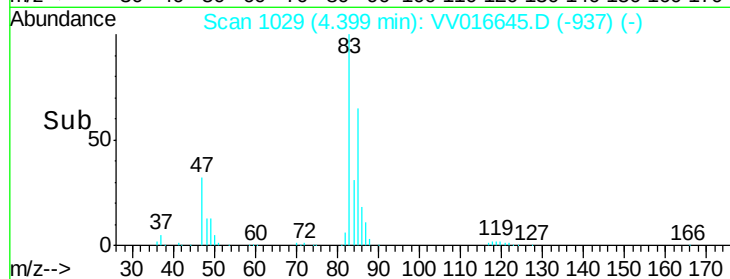
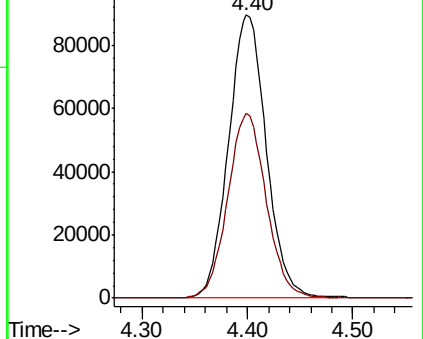
83 100

85 65.4 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: 48.496 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016645.D

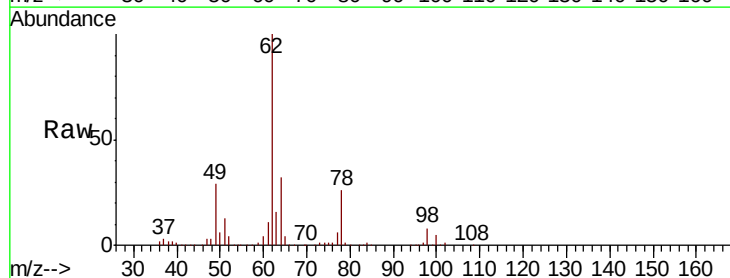
Acq: 07 Jun 2020 15:16

Tgt Ion: 62 Resp: 188705

Ion Ratio Lower Upper

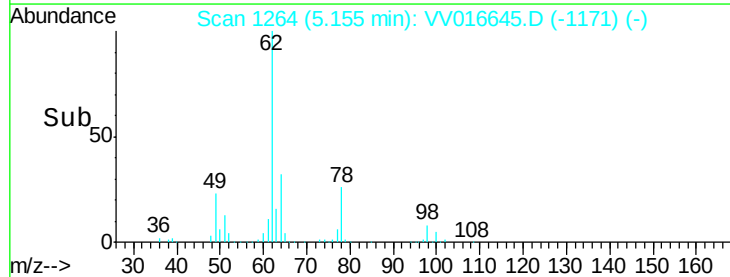
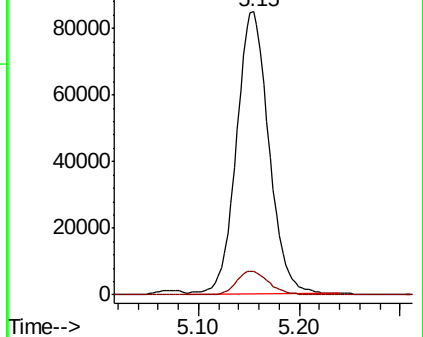
62 100

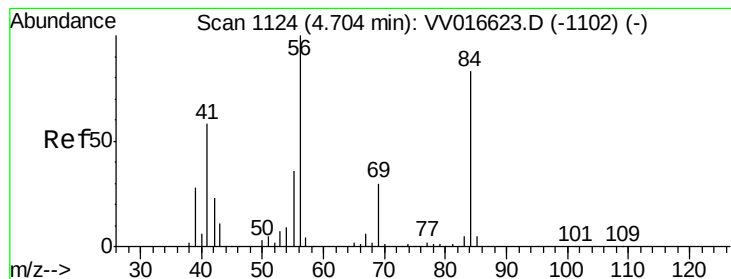
98 8.1 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 48.860 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

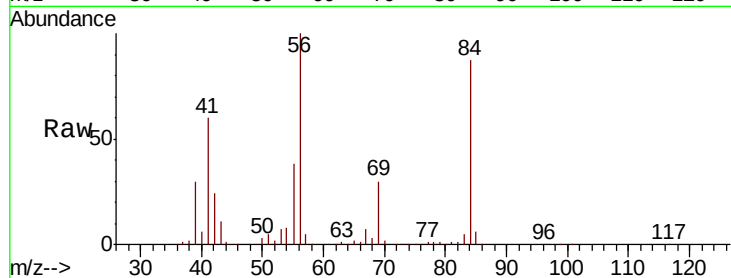
Tot Ion: 56 Resp: 195401

Ion Ratio Lower Upper

56 100

69 30.7 23.9 35.9

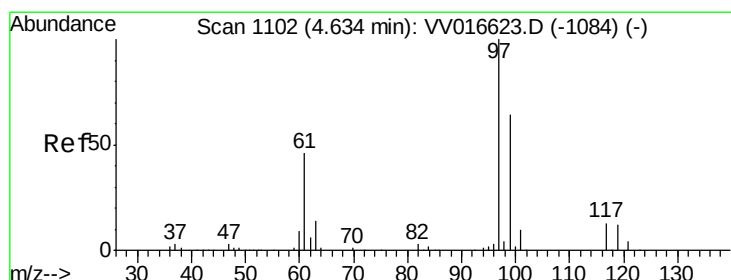
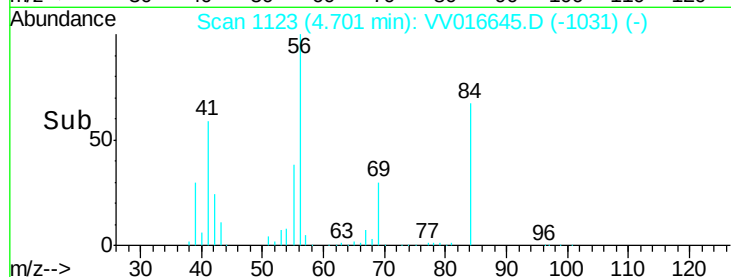
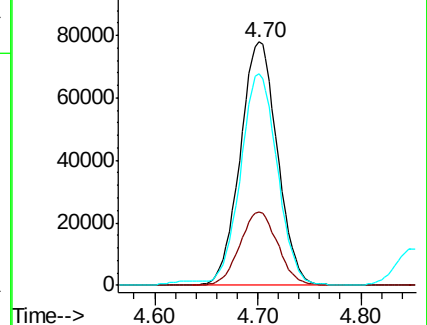
84 85.9 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV016623.D (-1102) (-)

Ion 69.00 (68.70 to 69.70): VV016623.D (-1102) (-)

Ion 84.00 (83.70 to 84.70): VV016623.D (-1102) (-)



#30

1,1,1-Trichloroethane

Concen: 49.701 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

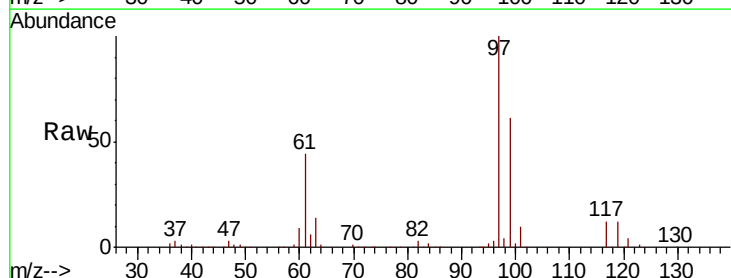
Tgt Ion: 97 Resp: 204096

Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.8

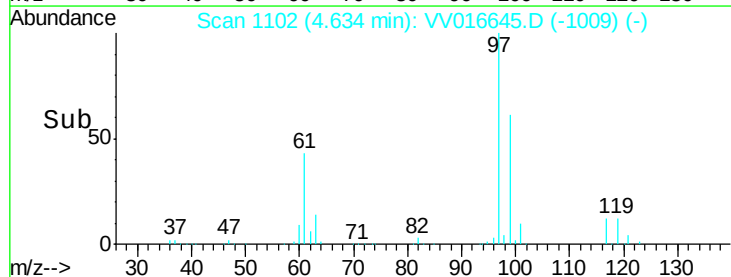
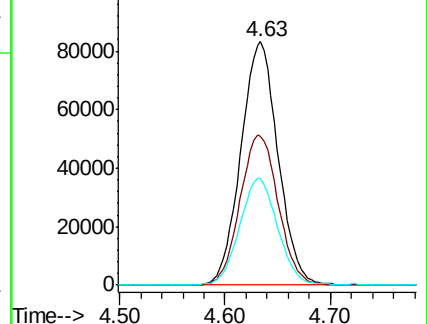
61 44.9 37.4 56.0

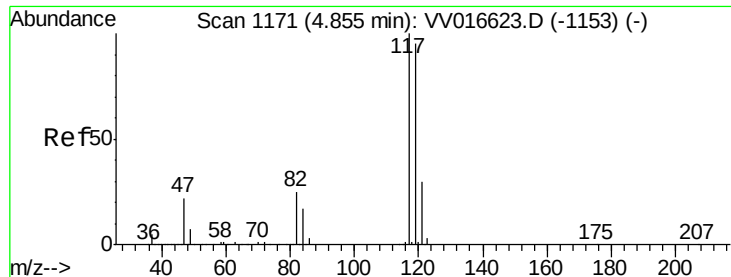


Abundance Ion 97.00 (96.70 to 97.70): VV016623.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV016623.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV016623.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 48.824 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

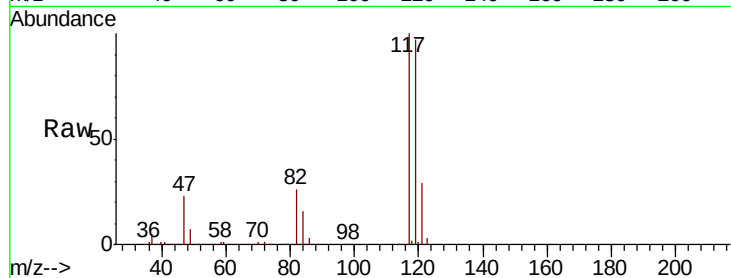
VSTD05072

Tot Ion:117 Resp: 172434

Ion Ratio Lower Upper

117 100

119 97.7 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

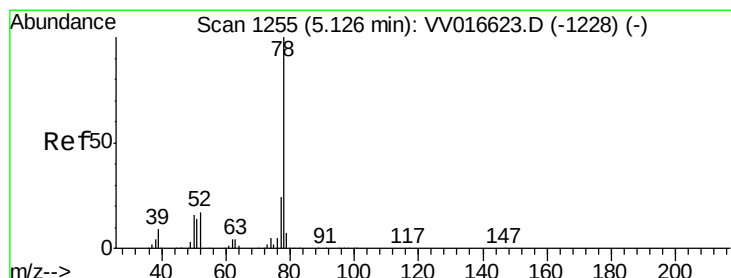
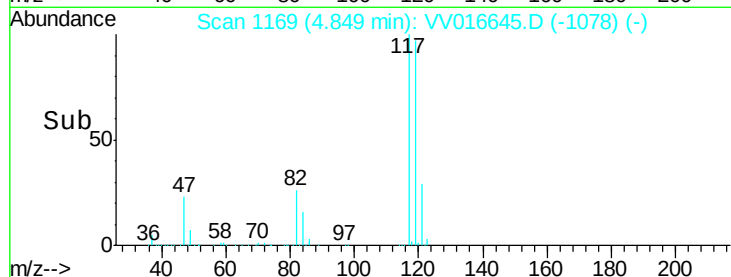
40000

20000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 48.189 ug/L

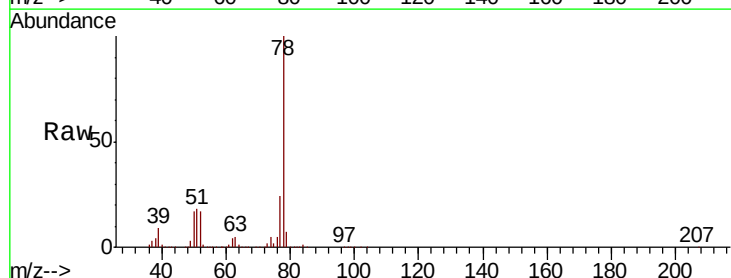
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Tgt Ion: 78 Resp: 477543



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

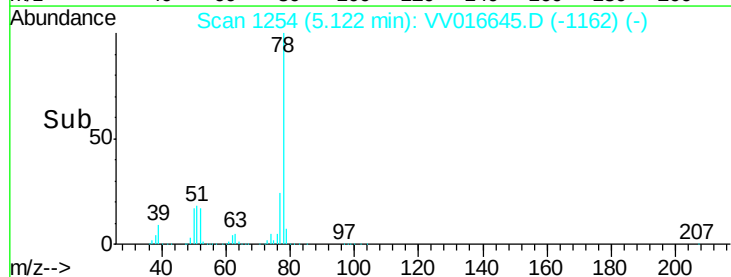
100000

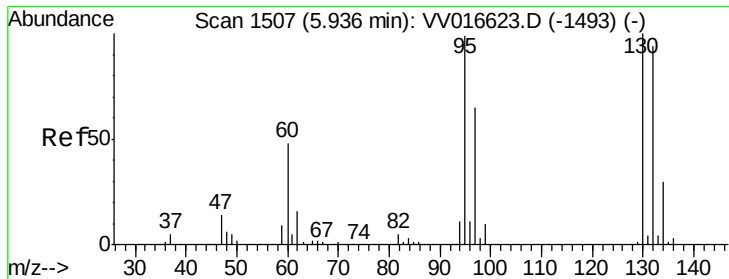
50000

0

5.00 5.10 5.20

Time-->

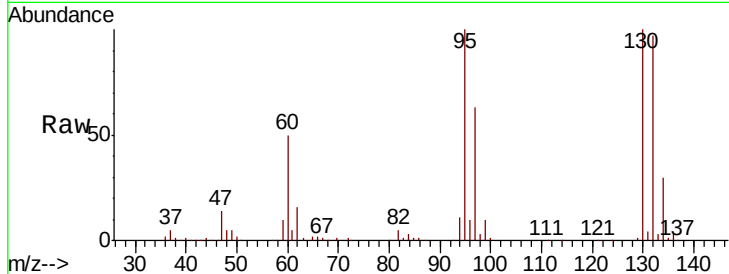




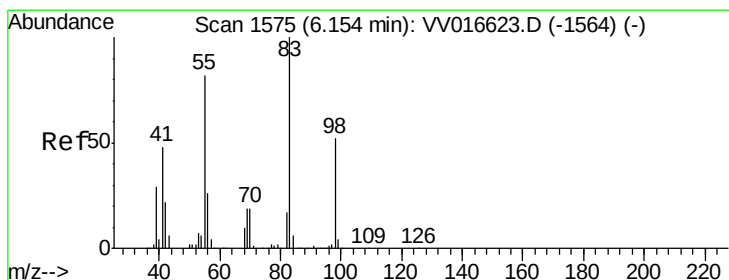
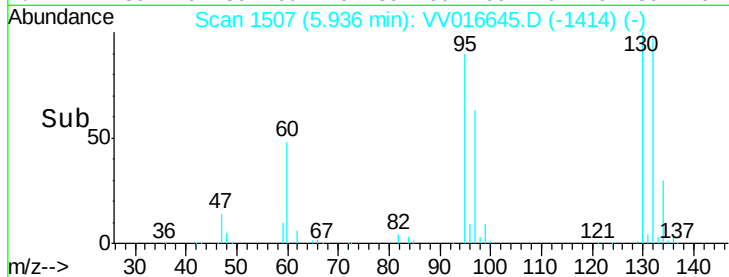
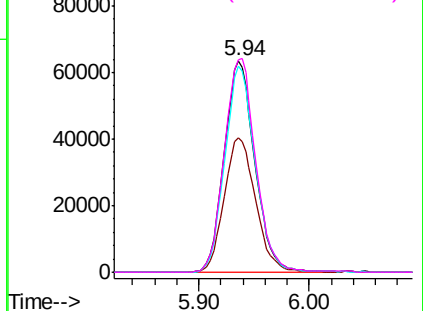
#34
 Trichloroethene
 Concen: 47.054 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Tot Ion:	95	Resp:	122352
Ion	Ratio	Lower	Upper
95	100		
97	63.3	42.8	79.6
132	97.1	65.6	121.8
130	100.3	69.0	128.1

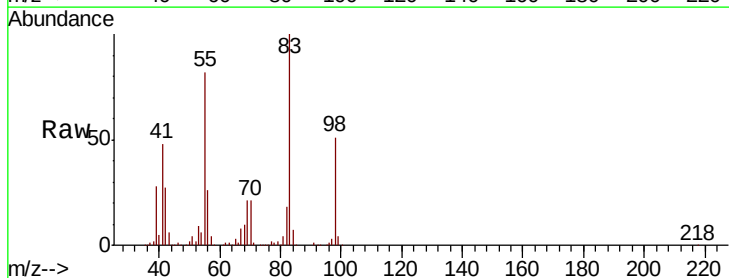


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

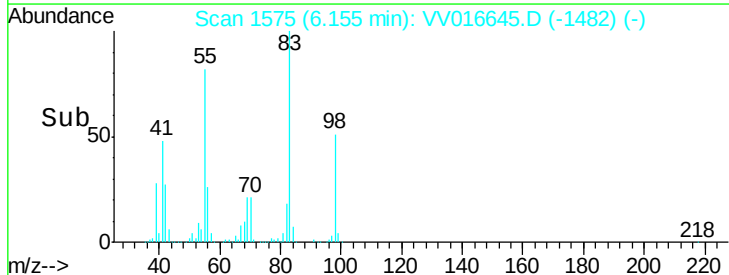
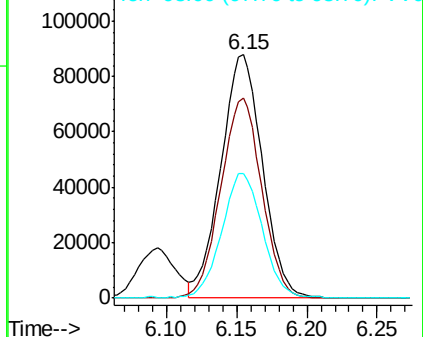


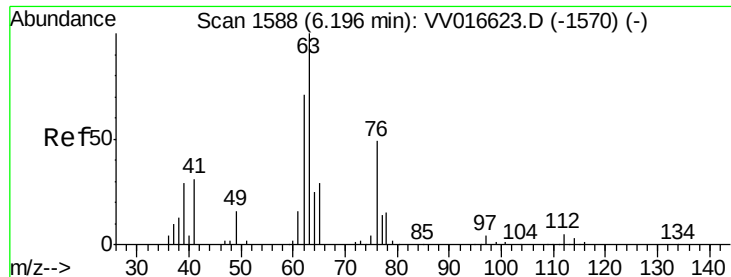
#35
 Methylcyclohexane
 Concen: 48.566 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

Tgt Ion:	83	Resp:	181266
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.4	95.0
98	50.4	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

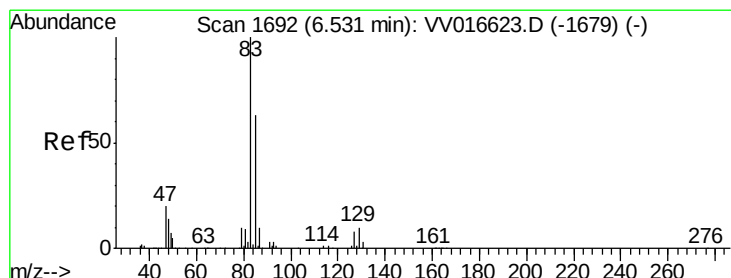
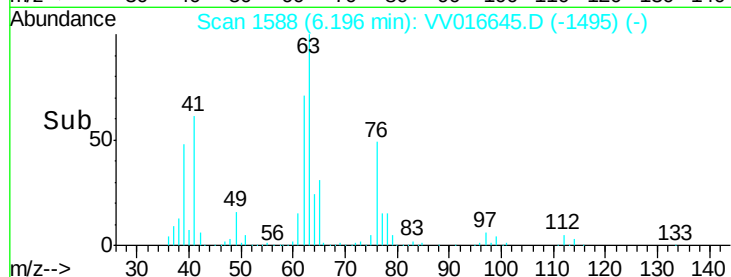
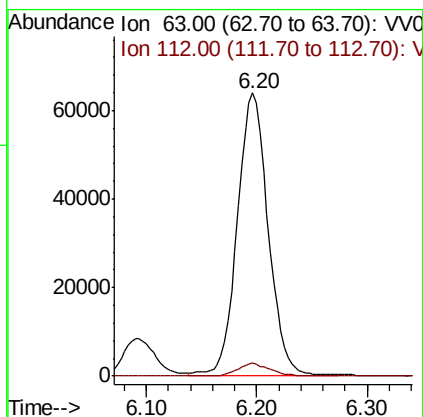
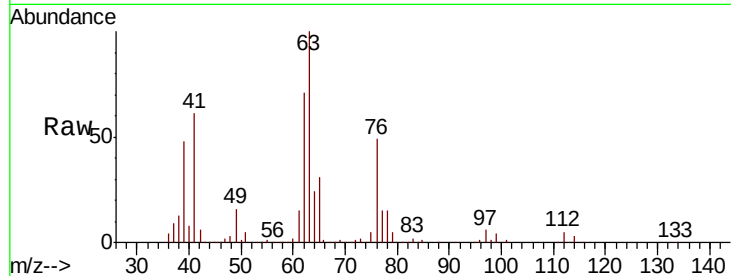




#37
 1,2-Dichloropropane
 Concen: 47.966 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

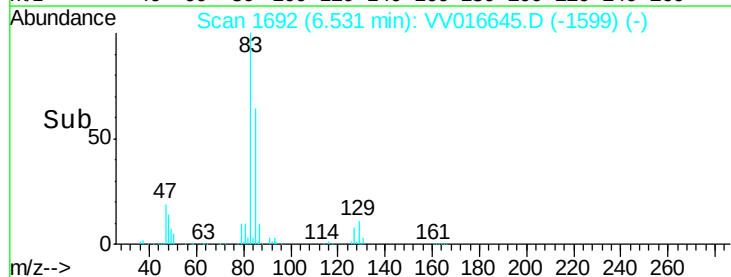
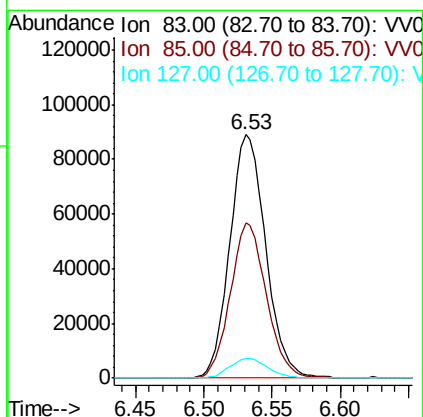
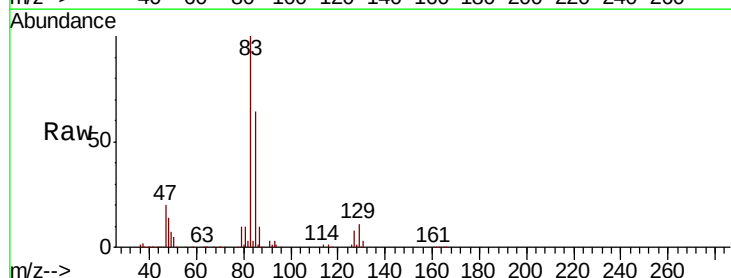
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

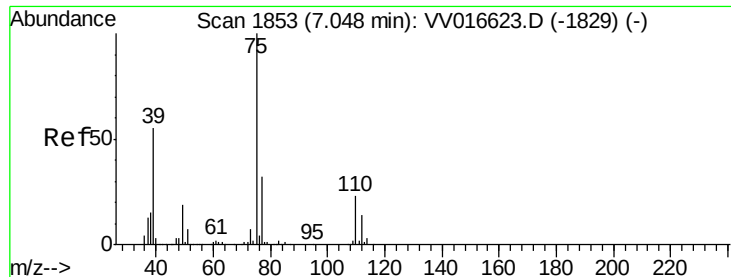
Tot Ion: 63 Resp: 123896
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 49.040 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

Tgt Ion: 83 Resp: 162755
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.4 82.5
 127 8.0 7.1 10.7



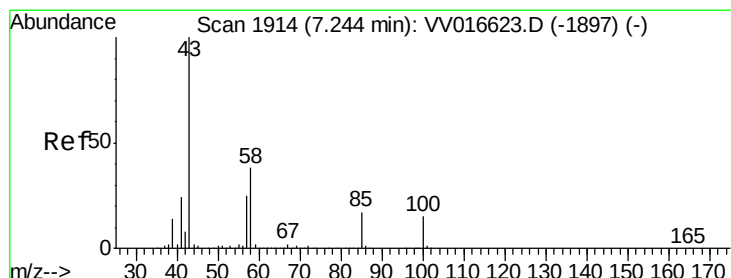
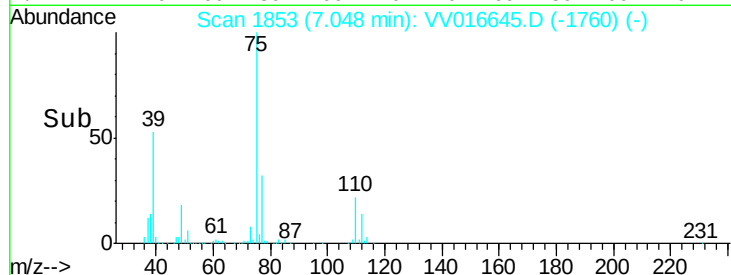
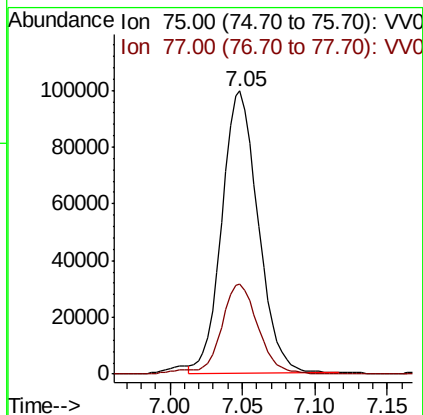
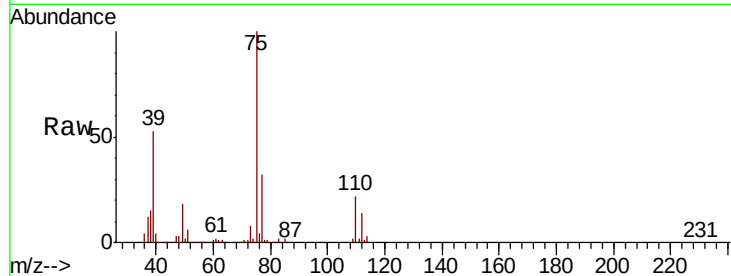


#39

cis-1,3-Dichloropropene
Concen: 45.970 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016645.D
Acq: 07 Jun 2020 15:16

Instrument :
MSVOA_V
ClientSampled :
VSTD05072

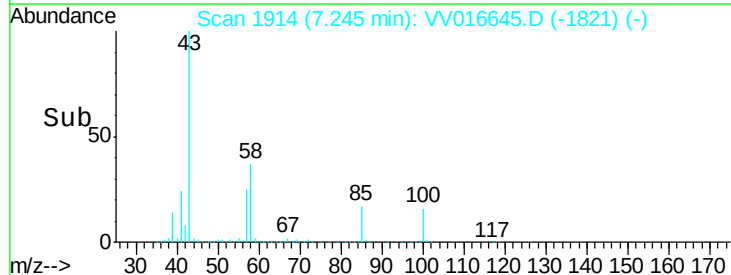
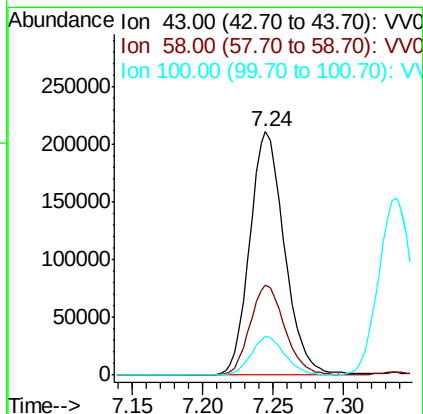
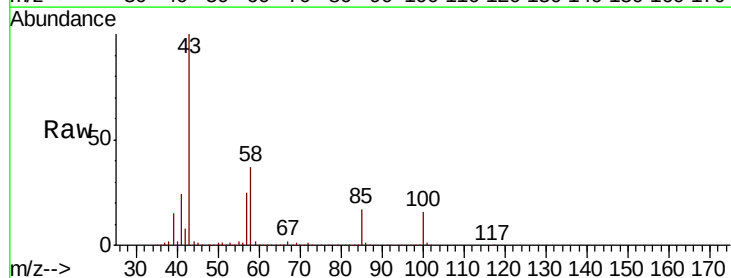
Tot Ion: 75 Resp: 173130
Ion Ratio Lower Upper
75 100
77 31.6 22.0 41.0

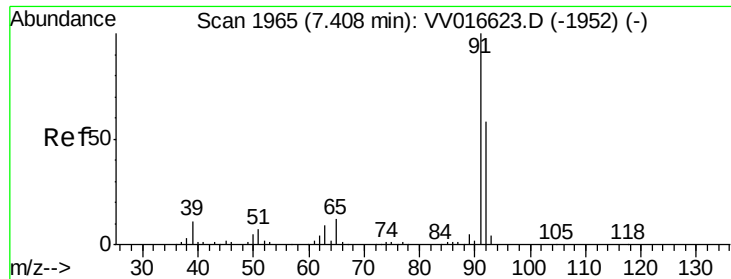


#40

4-Methyl-2-pentanone
Concen: 102.125 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016645.D
Acq: 07 Jun 2020 15:16

Tgt Ion: 43 Resp: 362963
Ion Ratio Lower Upper
43 100
58 37.2 29.9 44.9
100 15.4 11.9 17.9





#42

Toluene

Concen: 48.412 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

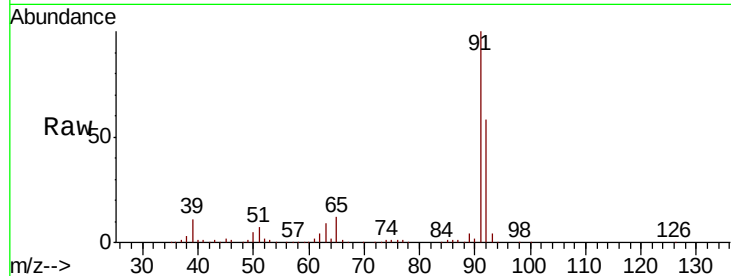
VSTD05072

Tot Ion: 91 Resp: 508370

Ion Ratio Lower Upper

91 100

92 57.9 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV016623.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV016623.D (-1952) (-)

7.41

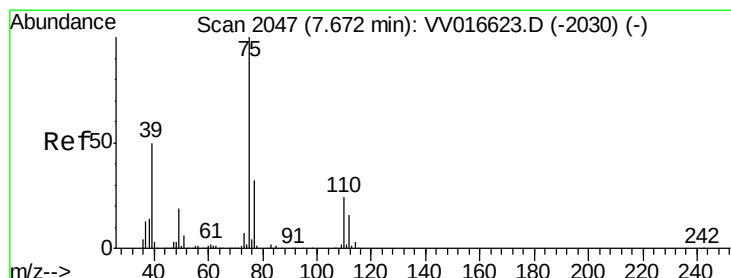
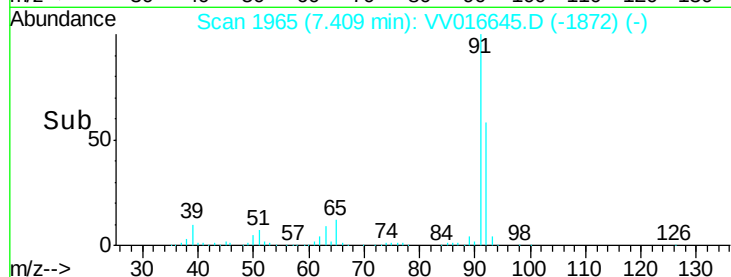
300000

200000

100000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 46.514 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016645.D

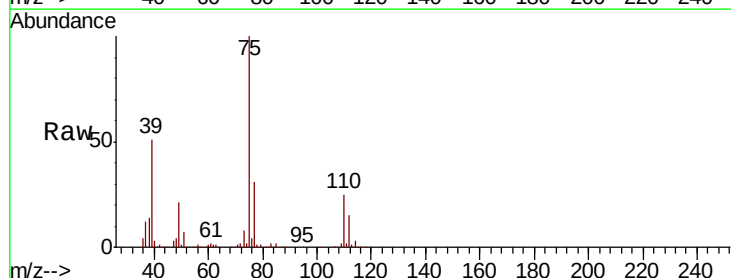
Acq: 07 Jun 2020 15:16

Tgt Ion: 75 Resp: 171876

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV016623.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV016623.D (-2030) (-)

7.67

120000

100000

80000

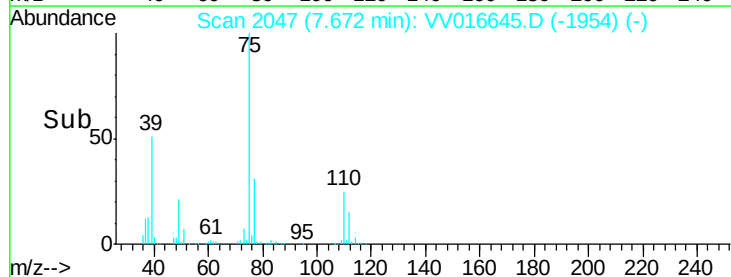
60000

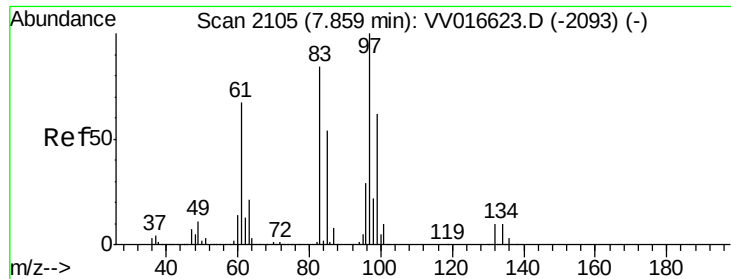
40000

20000

0

Time--> 7.60 7.70 7.80

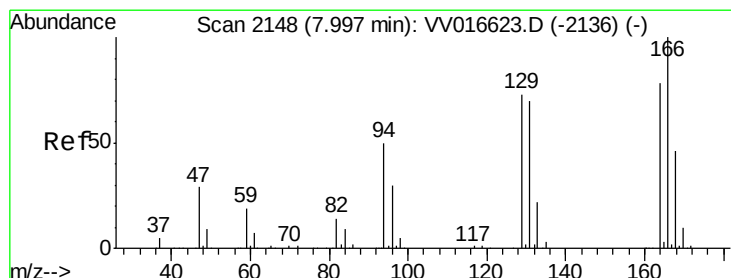
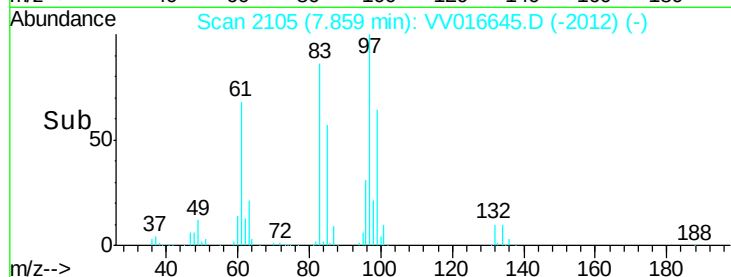
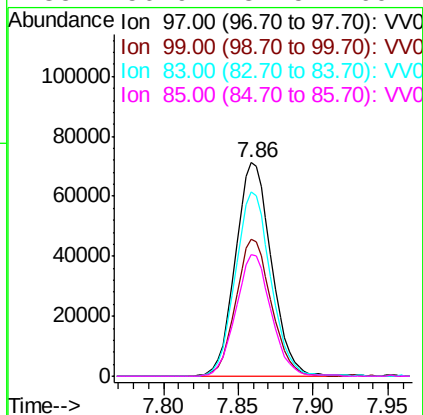
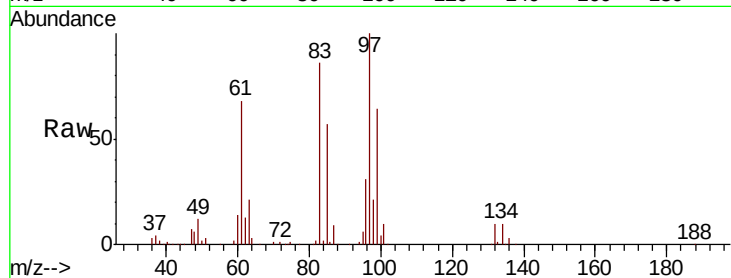




#45
 1,1,2-Trichloroethane
 Concen: 47.817 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

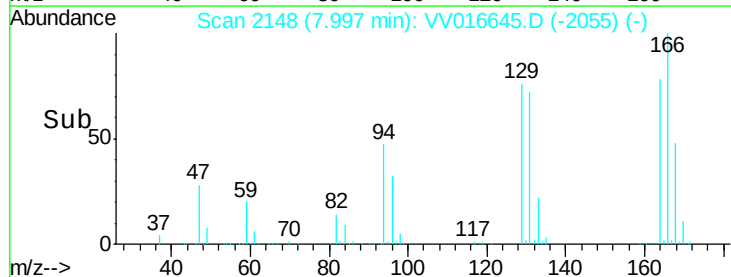
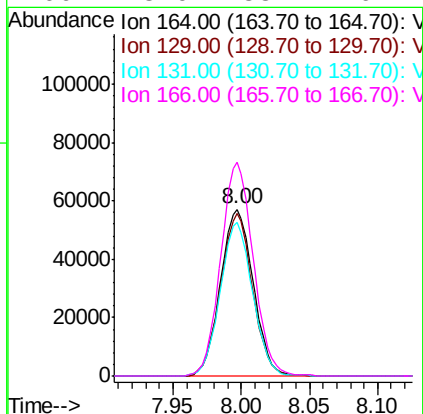
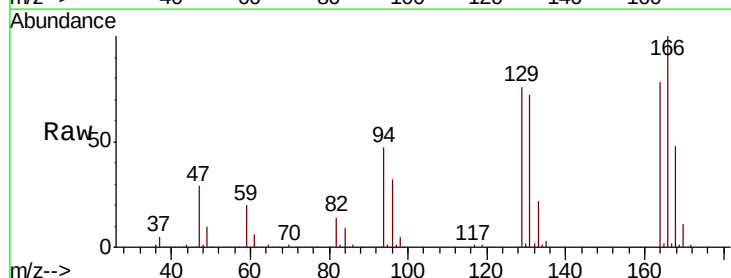
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

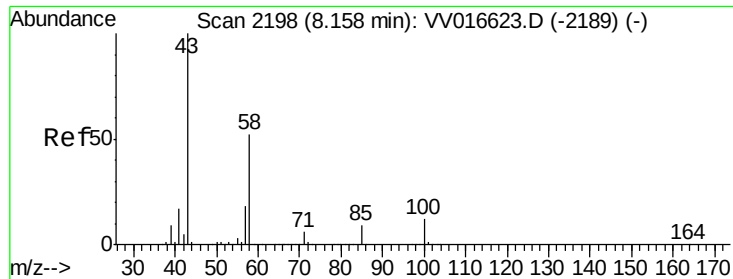
Tot Ion:	97	Resp:	119427
Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.9	79.7
83	86.3	59.3	110.1
85	56.9	37.5	69.7



#46
 Tetrachloroethene
 Concen: 47.678 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

Tgt Ion:	164	Resp:	95589
Ion	Ratio	Lower	Upper
164	100		
129	97.2	67.7	125.7
131	92.5	63.8	118.6
166	128.0	88.7	164.7

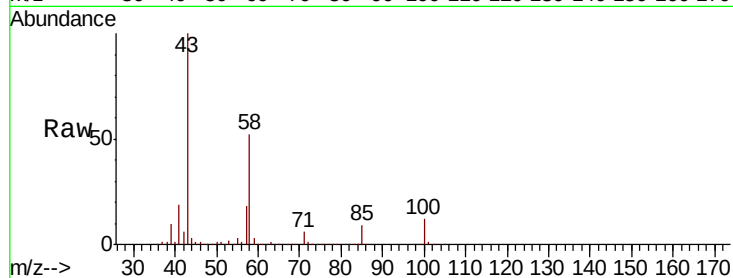




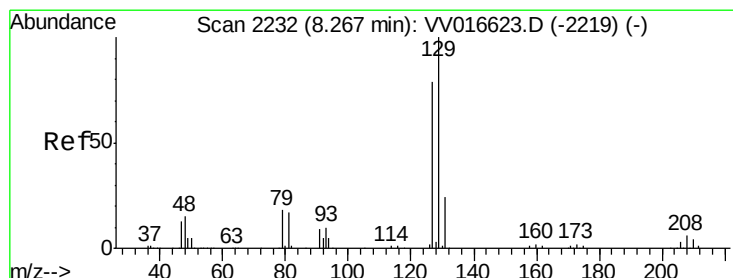
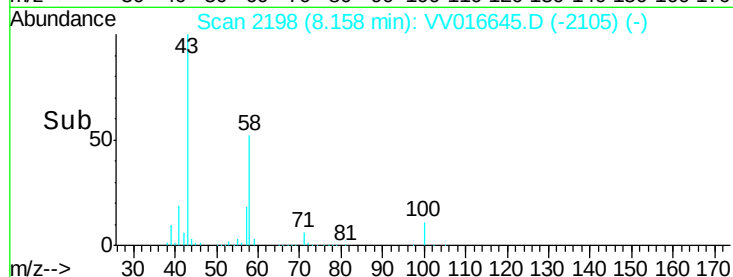
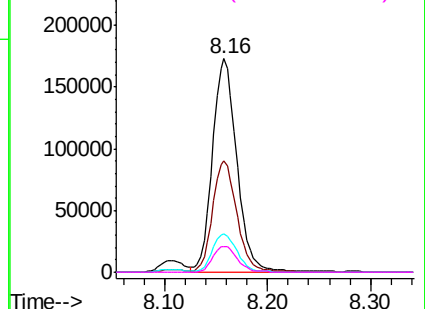
#48
2-Hexanone
Concen: 102.048 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016645.D
Acq: 07 Jun 2020 15:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Tot Ion: 43 Resp: 281967
Ion Ratio Lower Upper
43 100
58 51.9 42.7 64.1
57 17.9 14.5 21.7
100 12.1 9.4 14.2

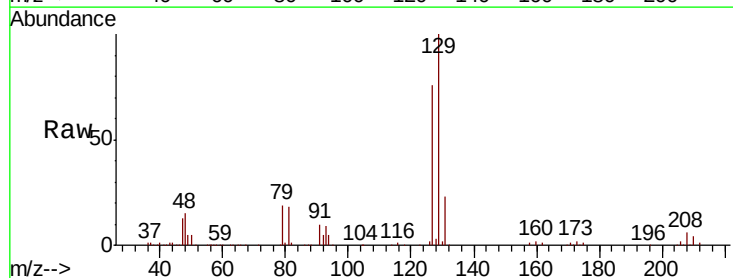


Abundance Ion 43.00 (42.70 to 43.70): VV016645.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV016645.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV016645.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV016645.D (-2105) (-)

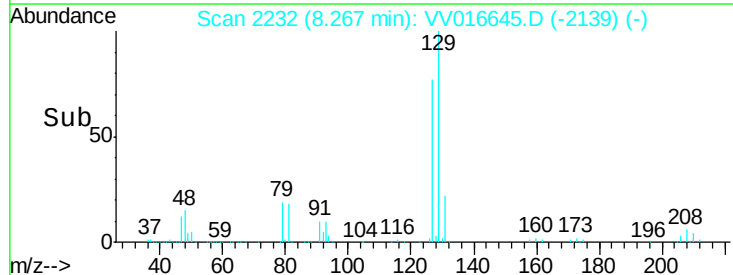
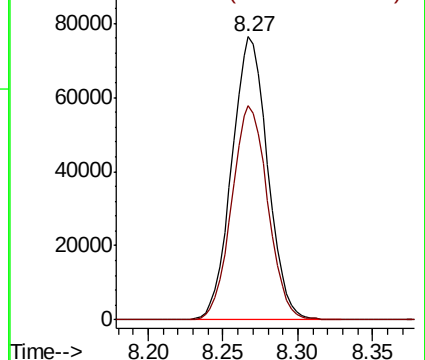


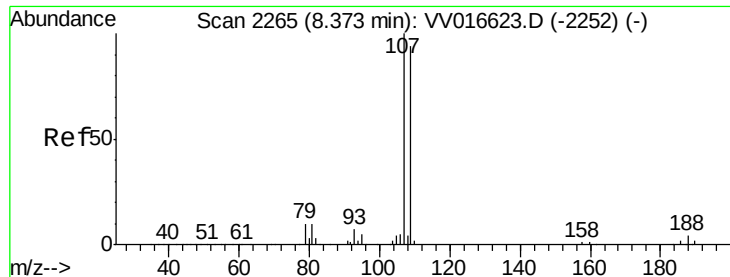
#49
Dibromochloromethane
Concen: 52.606 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016645.D
Acq: 07 Jun 2020 15:16

Tgt Ion: 129 Resp: 127734
Ion Ratio Lower Upper
129 100
127 75.8 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV016645.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV016645.D (-2139) (-)

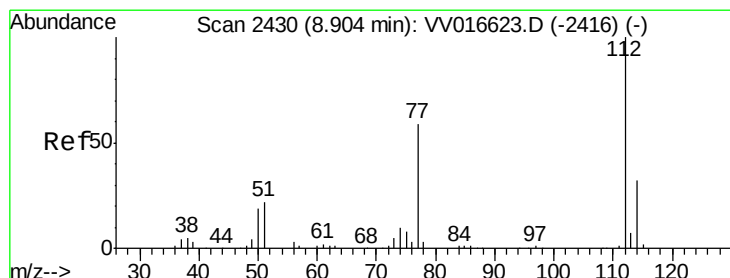
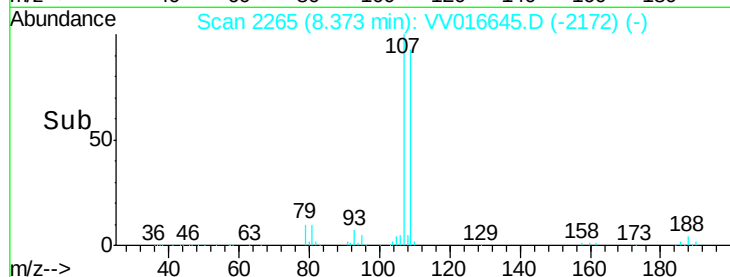
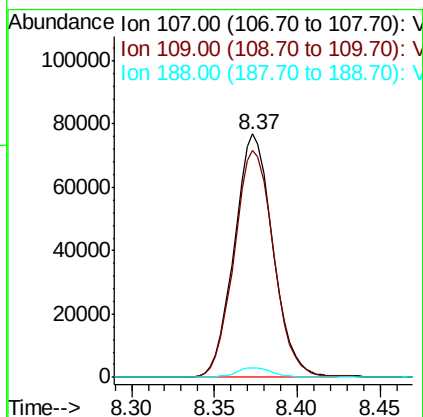
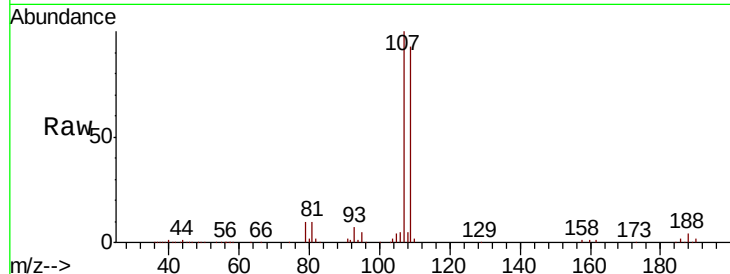




#50
 1,2-Dibromoethane
 Concen: 47.135 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

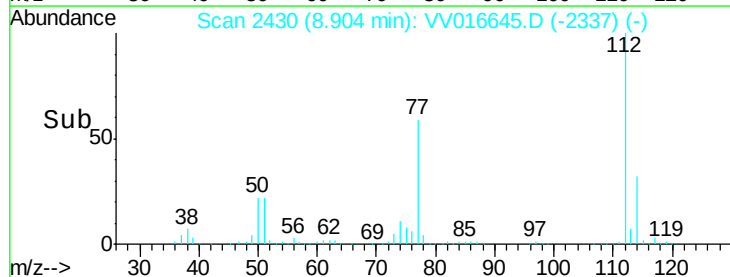
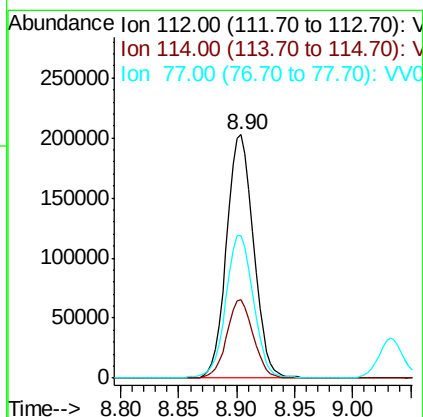
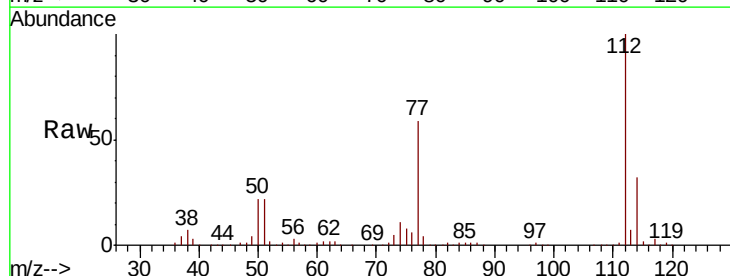
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

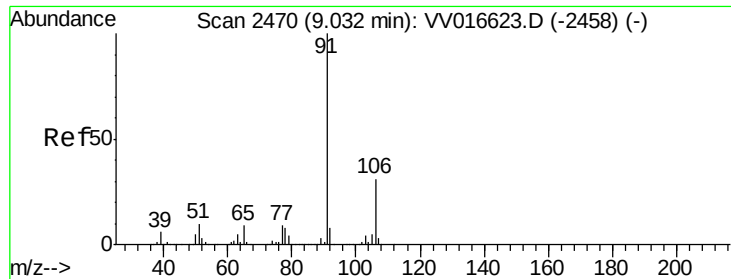
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.9	122.3
188	3.9	2.8	4.2



#51
 Chlorobenzene
 Concen: 47.488 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	58.8	47.4	71.2





#52

Ethylbenzene

Concen: 49.274 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

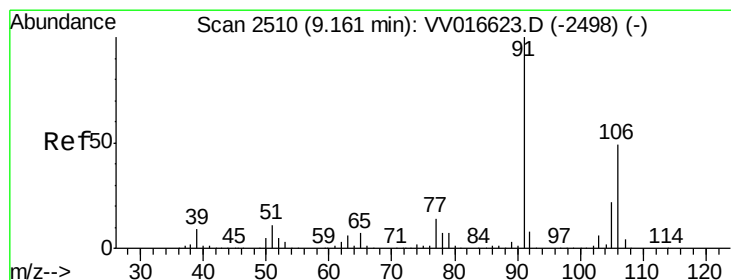
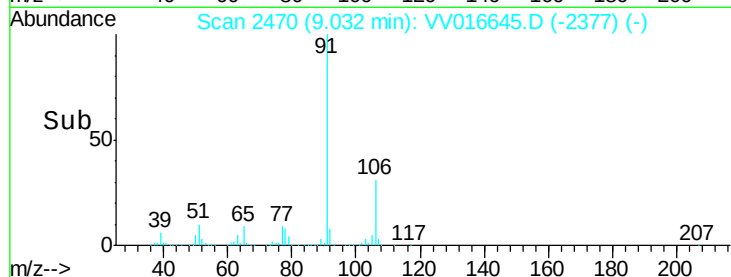
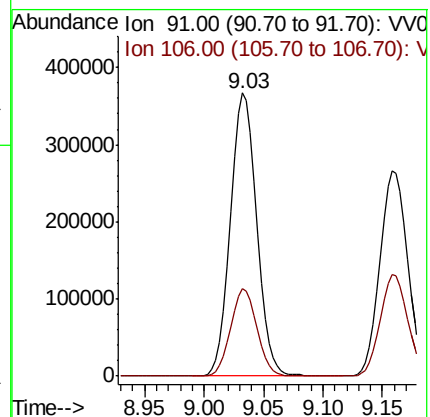
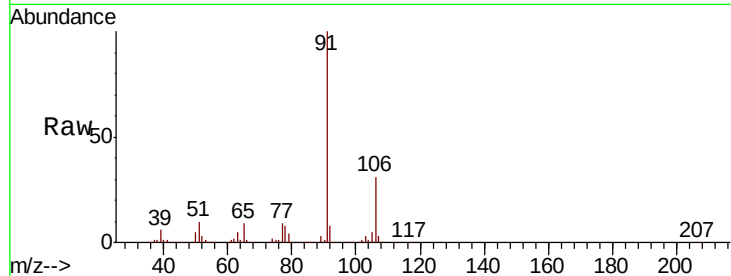
VSTD05072

Tot Ion: 91 Resp: 563151

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



#53

m,p-Xylene

Concen: 49.166 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016645.D

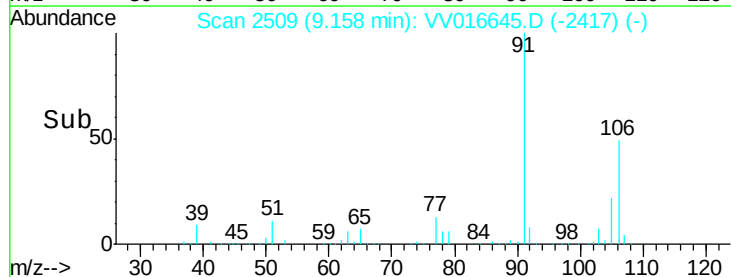
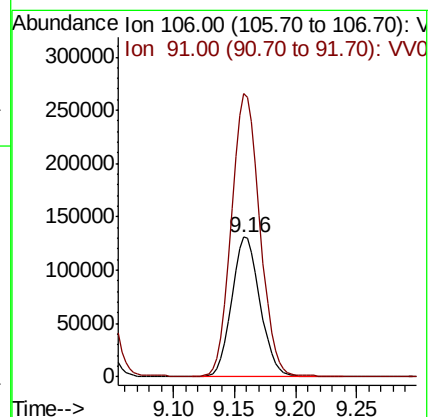
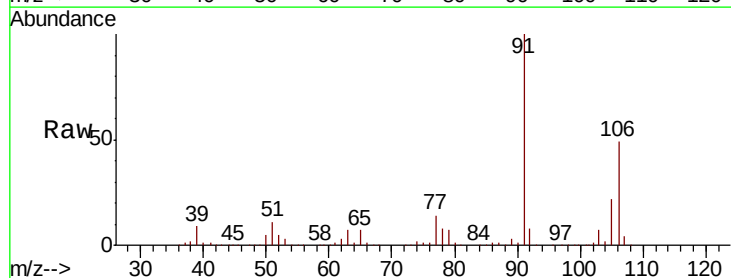
Acq: 07 Jun 2020 15:16

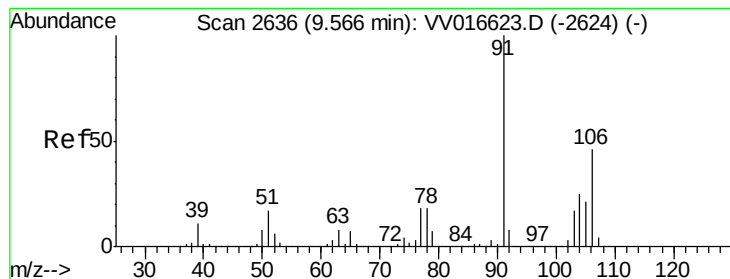
Tgt Ion: 106 Resp: 211879

Ion Ratio Lower Upper

106 100

91 202.7 142.5 264.6





#54

o-xylene

Concen: 50.332 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

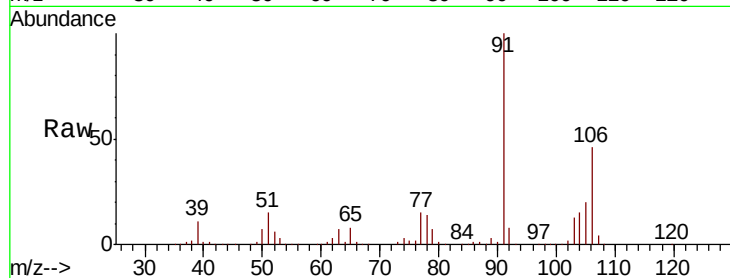
VSTD05072

Tot Ion:106 Resp: 210070

Ion Ratio Lower Upper

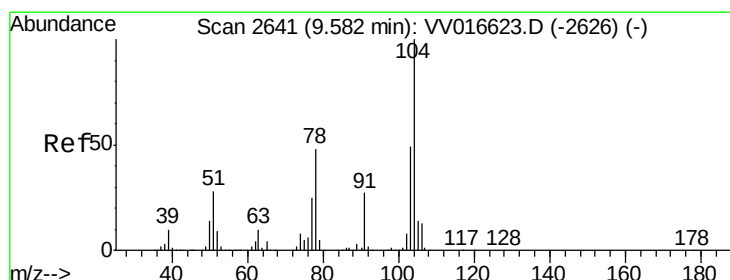
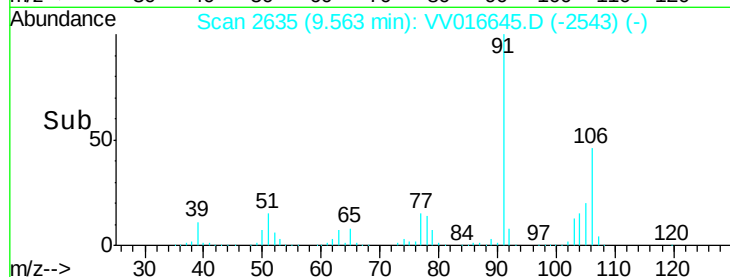
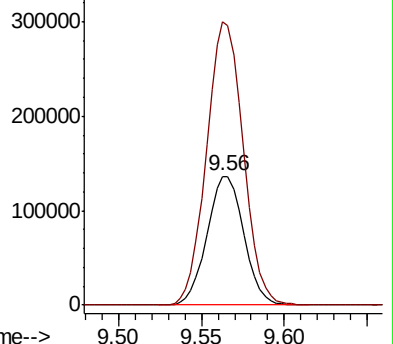
106 100

91 219.4 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.340 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016645.D

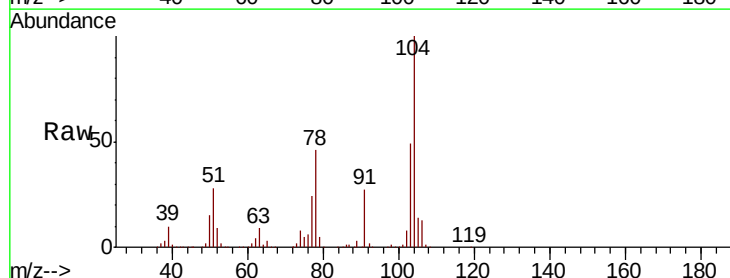
Acq: 07 Jun 2020 15:16

Tgt Ion:104 Resp: 360763

Ion Ratio Lower Upper

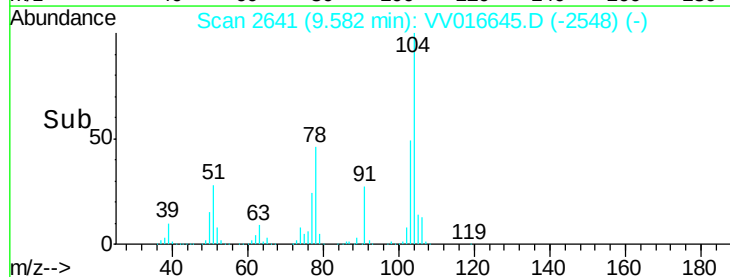
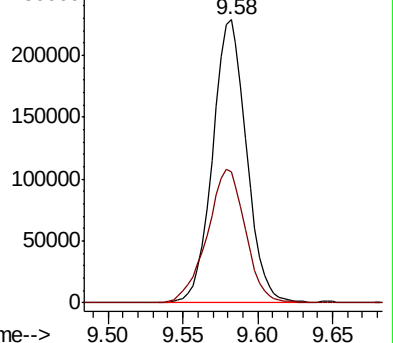
104 100

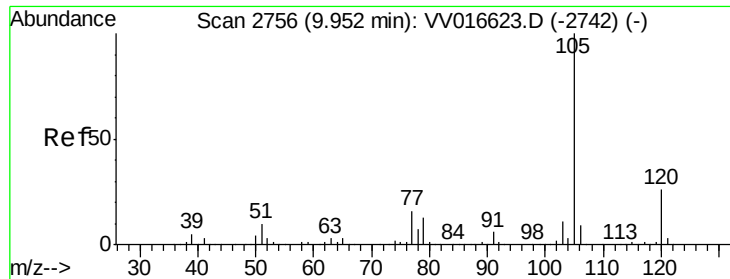
78 46.2 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.731 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

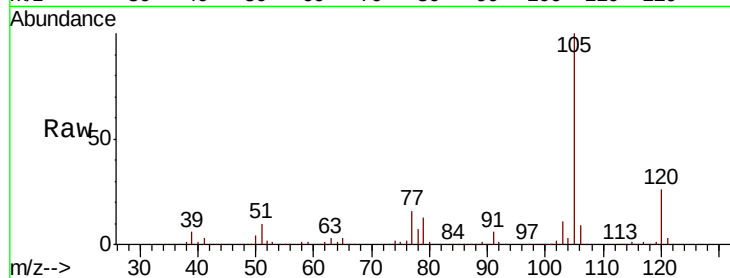
Tot Ion:105 Resp: 560817

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

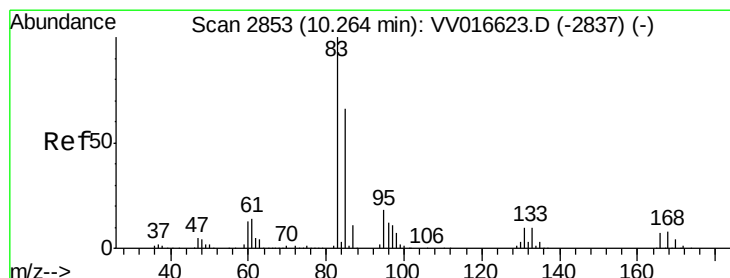
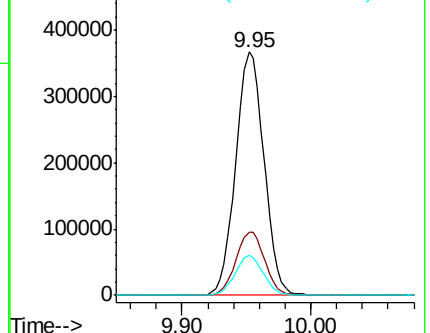
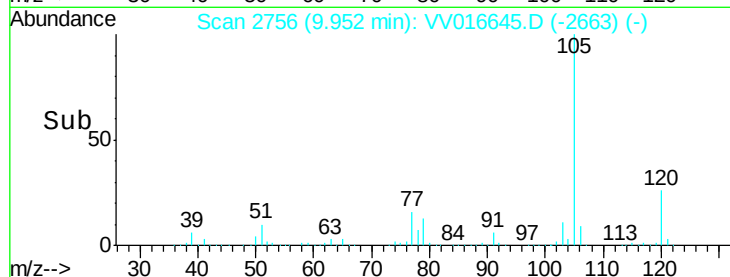
77 16.3 13.0 19.4



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: 47.730 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

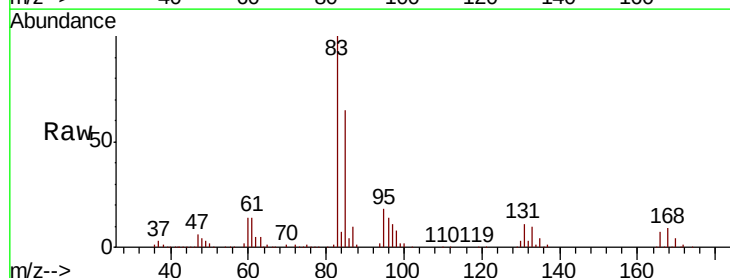
Tgt Ion: 83 Resp: 191230

Ion Ratio Lower Upper

83 100

85 65.1 44.0 81.6

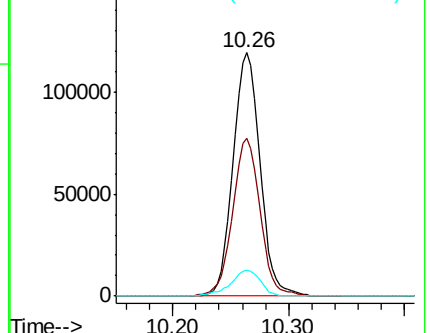
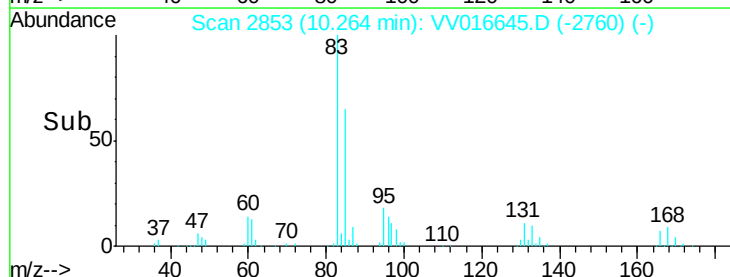
131 10.6 7.6 11.4

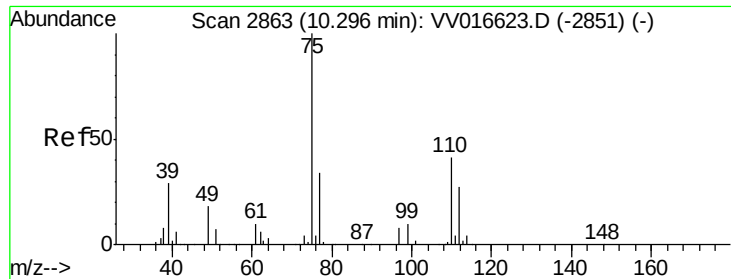


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.354 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

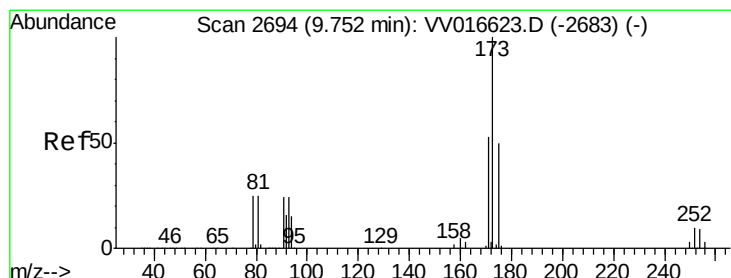
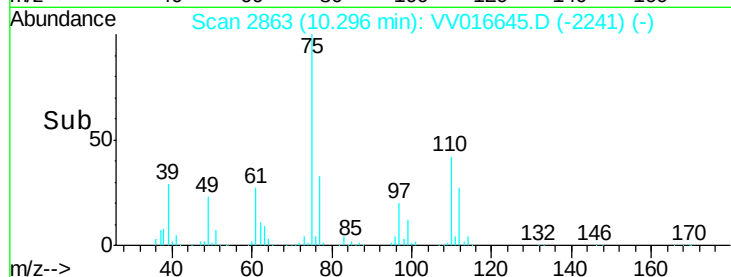
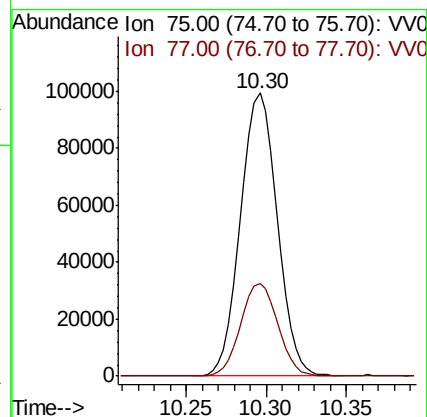
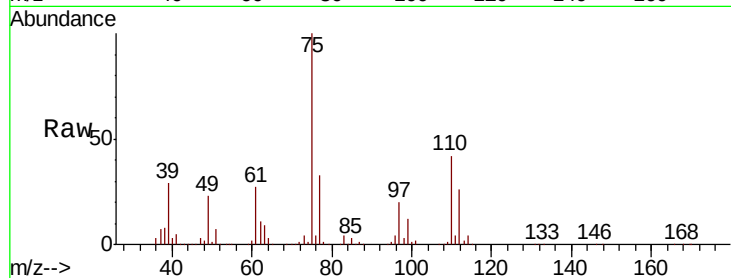
VSTD05072

Tot Ion: 75 Resp: 155853

Ion Ratio Lower Upper

75 100

77 33.0 26.6 40.0



#61

Bromoform

Concen: 59.065 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

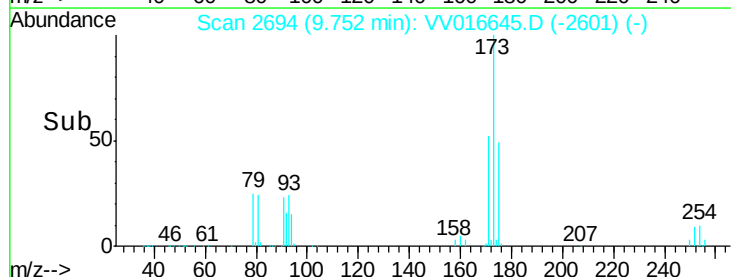
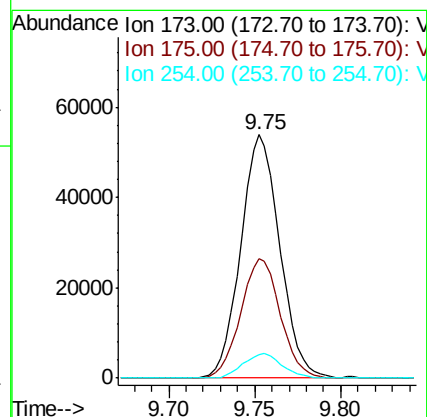
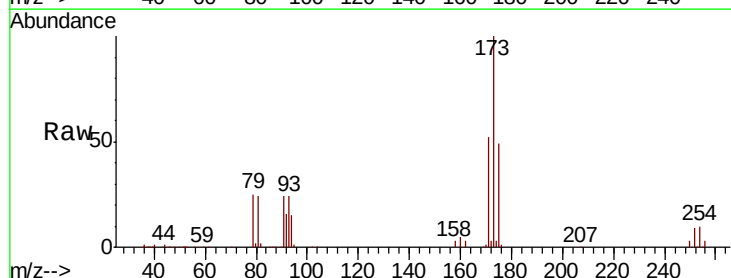
Tgt Ion: 173 Resp: 84852

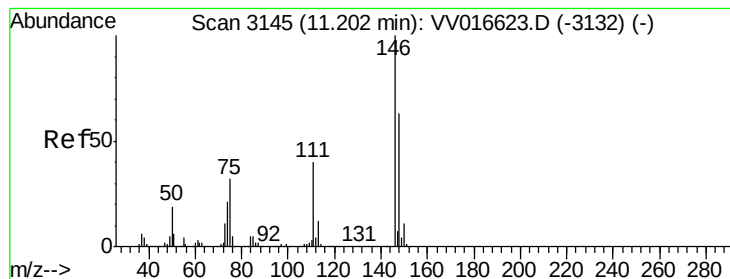
Ion Ratio Lower Upper

173 100

175 49.7 38.8 58.2

254 9.9 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 48.910 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

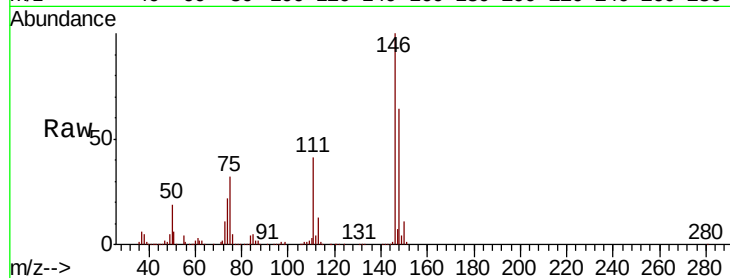
Tot Ion:146 Resp: 259992

Ion Ratio Lower Upper

146 100

111 40.9 29.8 55.3

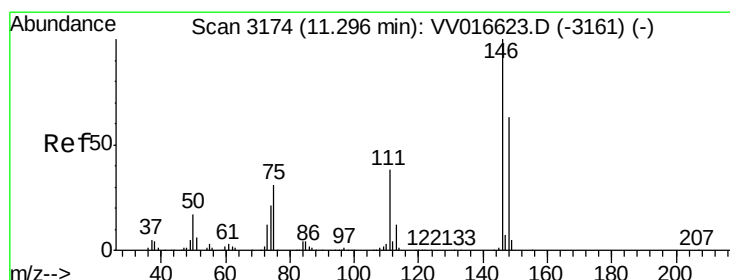
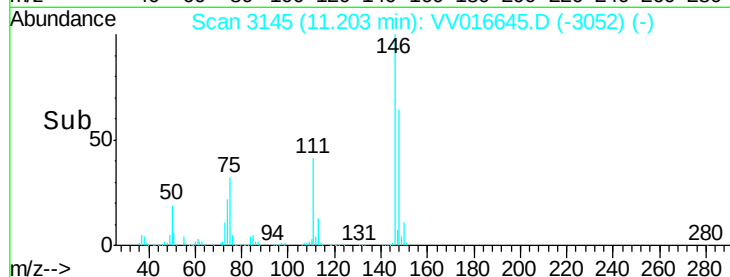
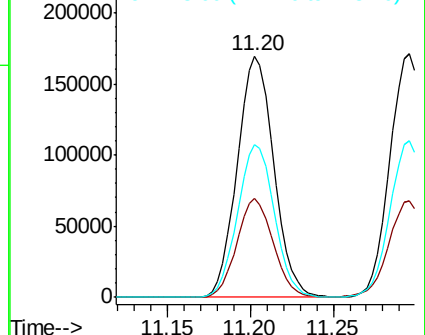
148 63.6 44.0 81.8



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: 47.279 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

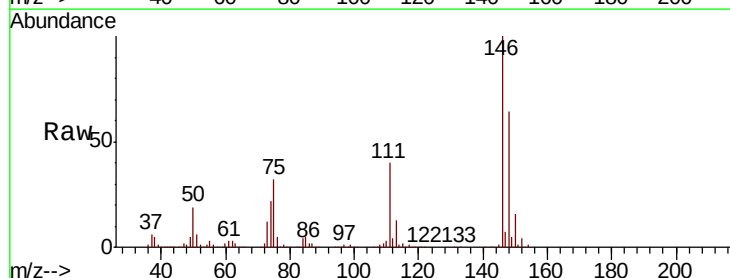
Tgt Ion:146 Resp: 260765

Ion Ratio Lower Upper

146 100

111 39.8 27.3 50.7

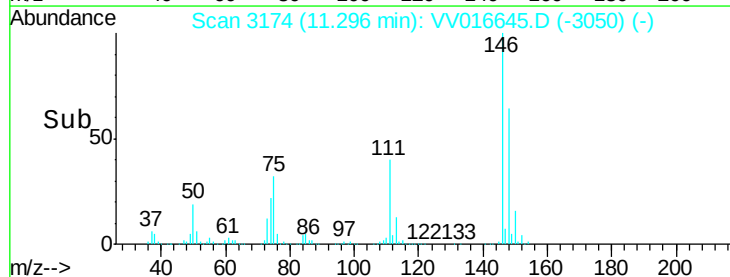
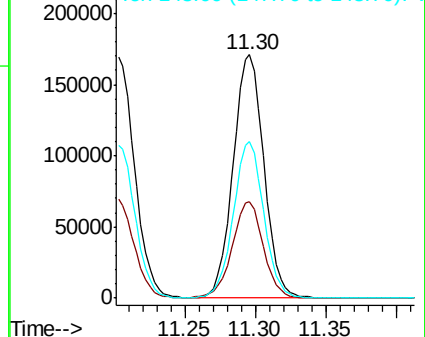
148 64.3 44.5 82.7

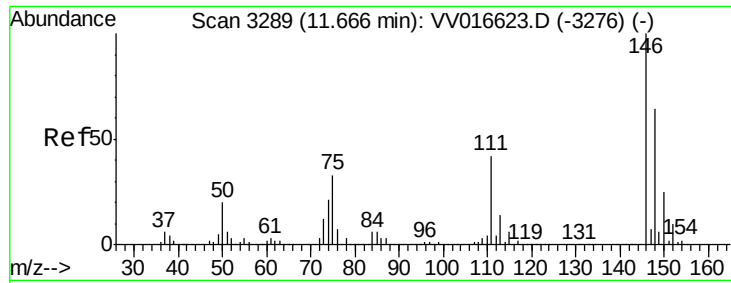


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.644 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

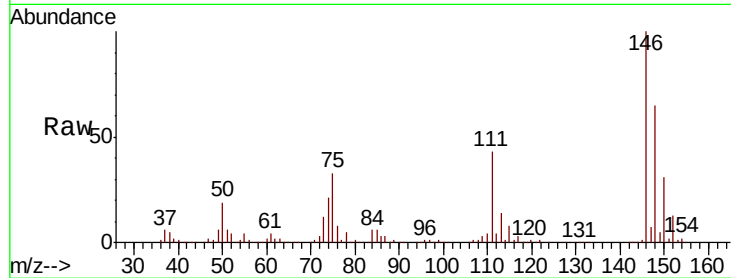
Tot Ion:146 Resp: 270970

Ion Ratio Lower Upper

146 100

111 43.0 33.6 50.4

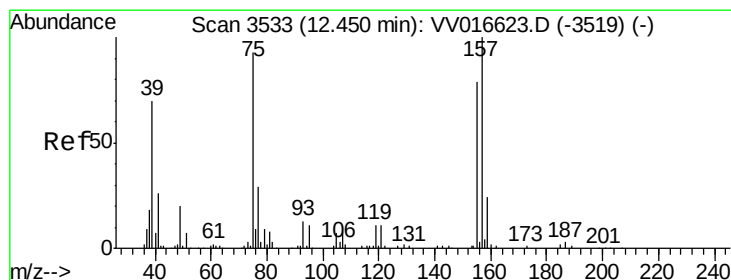
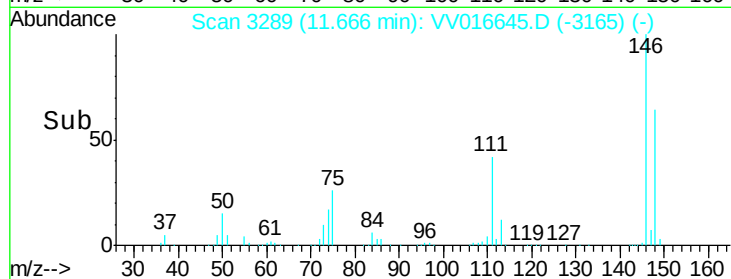
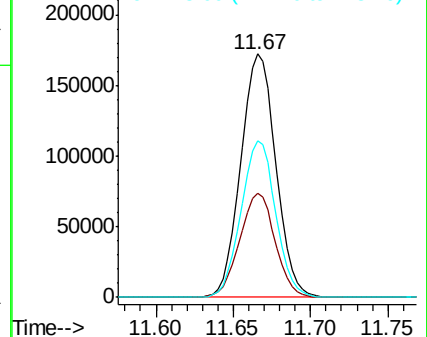
148 64.5 51.5 77.3



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: 53.972 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

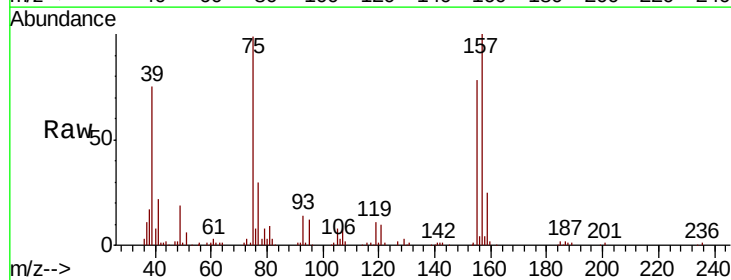
Tgt Ion: 75 Resp: 43824

Ion Ratio Lower Upper

75 100

155 78.3 66.2 99.2

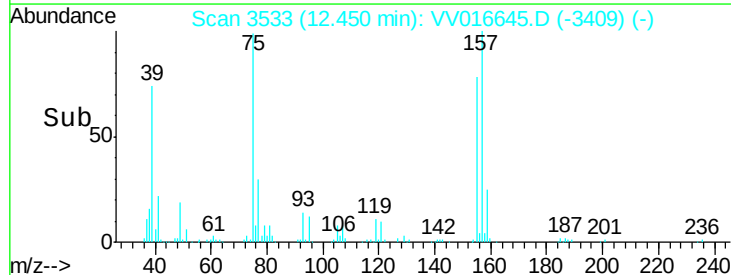
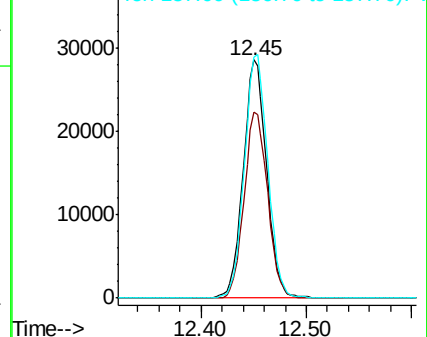
157 101.0 83.0 124.4

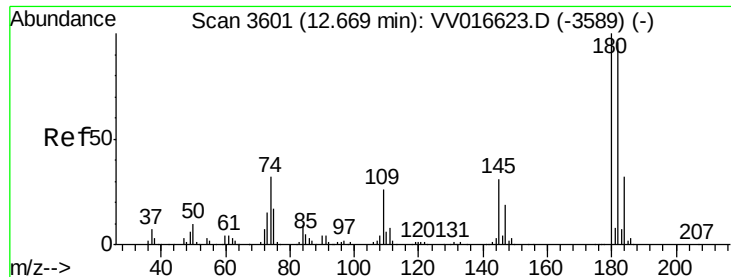


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

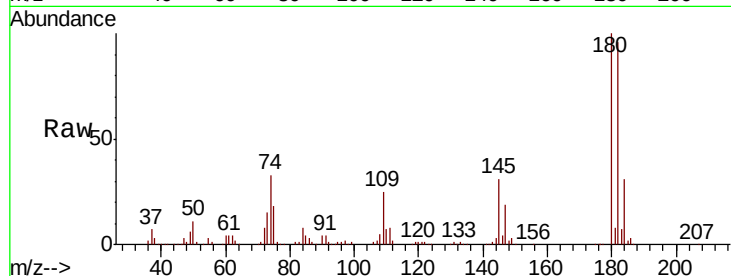




#67
 1,3,5-Trichlorobenzene
 Concen: 51.715 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
184	30.3	24.4	36.6
145	31.0	24.2	36.2

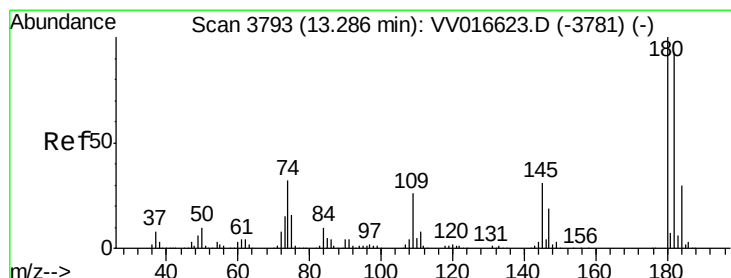
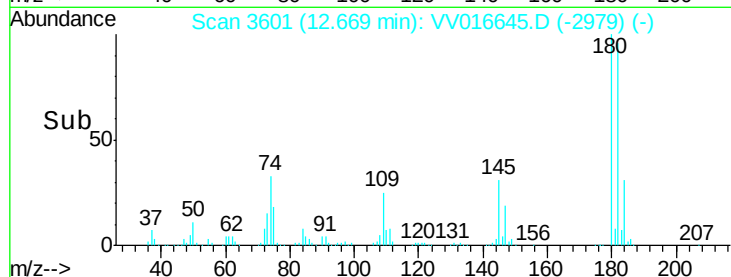
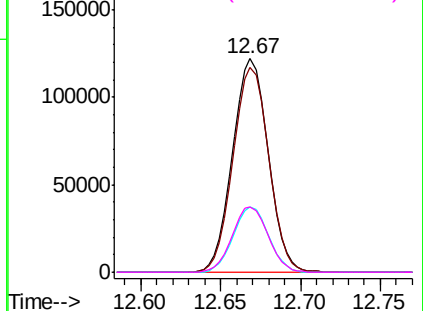


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

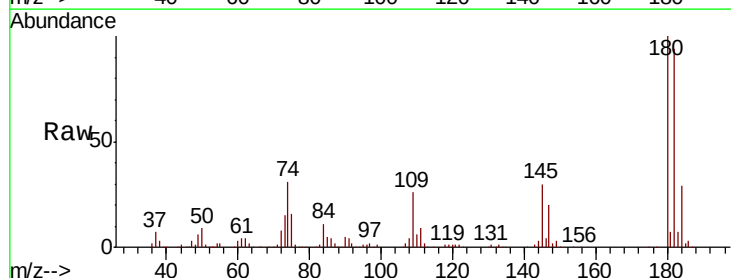
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.796 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016645.D
 Acq: 07 Jun 2020 15:16

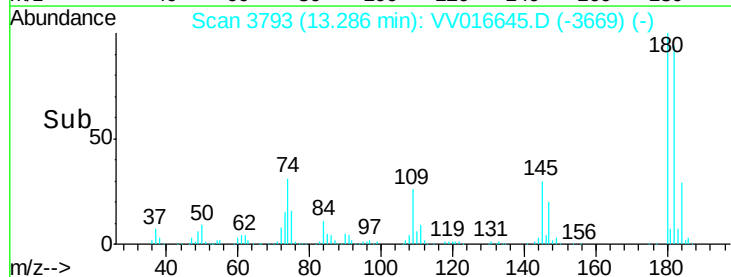
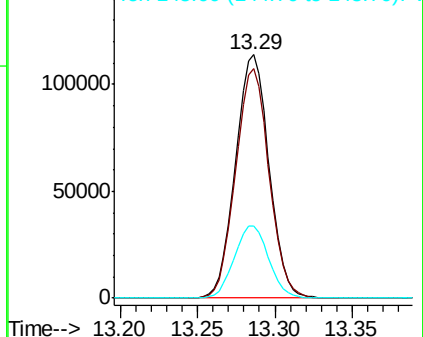
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.6	111.8
145	30.4	24.5	36.7

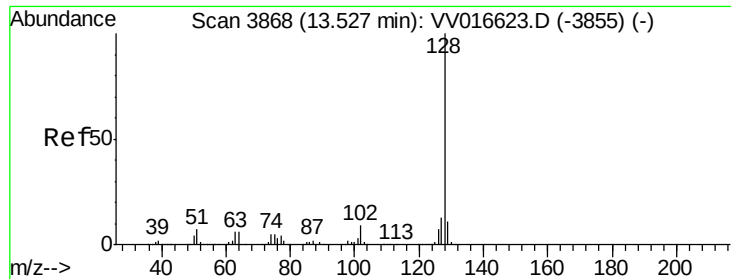


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.434 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

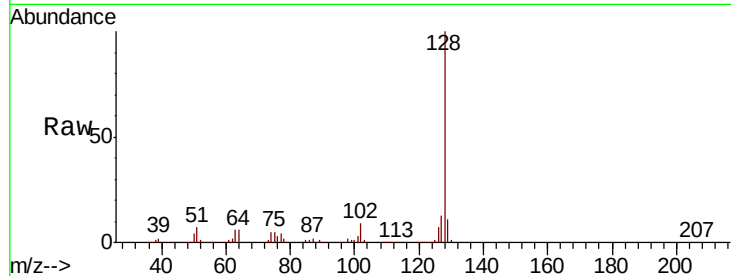
Tot Ion:128 Resp: 532848

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

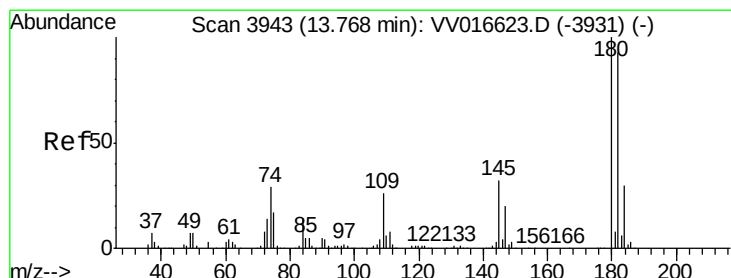
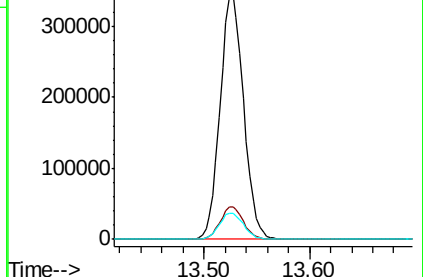
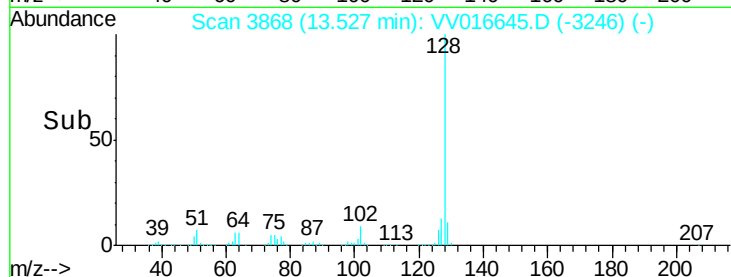
129 10.9 8.7 13.1



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: 54.469 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016645.D

Acq: 07 Jun 2020 15:16

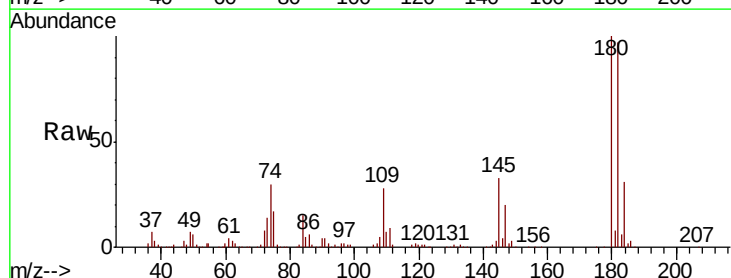
Tgt Ion:180 Resp: 171432

Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 32.8 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

