

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016696.D
 Acq On : 09 Jun 2020 06:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTD05074

Quant Time: Jun 09 06:30:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 03:29:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	359781	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	343236	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	120676	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.06%
7) Chloroethane-d5	1.56	69	79074	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.82%
11) 1,1-Dichloroethene-d2	2.12	63	202768	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.12%
21) 2-Butanone-d5	3.89	46	195995	104.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.31%
24) Chloroform-d	4.37	84	257686	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.84%
26) 1,2-Dichloroethane-d4	5.05	65	173524	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
32) Benzene-d6	5.07	84	485245	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
36) 1,2-Dichloropropane-d6	6.09	67	151608	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.32%
41) Toluene-d8	7.34	98	449090	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	7.64	79	75043	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
47) 2-Hexanone-d5	8.11	63	146604	109.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.03%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	209994	51.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	192353	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	141689	49.674	ug/L 99
3) Chloromethane	1.25	50	137187	52.592	ug/L 97
5) Vinyl chloride	1.32	62	128507	50.097	ug/L 99
6) Bromomethane	1.51	94	40842	38.229	ug/L 98
8) Chloroethane	1.58	64	67338	53.143	ug/L 100
9) Trichlorofluoromethane	1.75	101	189518	49.370	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	90976	47.561	ug/L 100
12) 1,1-Dichloroethene	2.13	96	85280	47.758	ug/L 98
13) Acetone	2.17	43	108174	87.377	ug/L 99
14) Carbon disulfide	2.30	76	319252	49.379	ug/L 99
15) Methyl Acetate	2.44	43	147748	53.544	ug/L 100
16) Methylene chloride	2.52	84	129940	49.589	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	118652	48.734	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	409079	50.708	ug/L 99
19) 1,1-Dichloroethane	3.21	63	228569	49.874	ug/L 96
22) 2-Butanone	3.98	43	196914	103.144	ug/L 99
23) Bromochloromethane	4.27	128	69348	49.597	ug/L 97

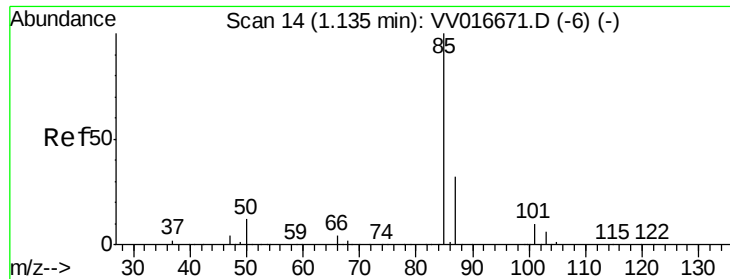
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	238442	50.626	ug/L	98
27) 1,2-Dichloroethane	5.15	62	202170	51.205	ug/L	98
29) Cyclohexane	4.70	56	205321	48.138	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	216744	49.516	ug/L	99
31) Carbon tetrachloride	4.85	117	187774	49.587	ug/L	98
33) Benzene	5.12	78	495831	48.825	ug/L	100
34) Trichloroethene	5.94	95	129700	47.620	ug/L	98
35) Methylcyclohexane	6.15	83	200740	46.981	ug/L	99
37) 1,2-Dichloropropane	6.20	63	132269	50.083	ug/L	99
38) Bromodichloromethane	6.53	83	175045	49.790	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	197023	48.027	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	395954	105.804	ug/L	100
42) Toluene	7.41	91	526294	49.160	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	191204	47.941	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	126615	49.693	ug/L	99
46) Tetrachloroethene	8.00	164	102985	48.077	ug/L	99
48) 2-Hexanone	8.16	43	308351	106.267	ug/L	99
49) Dibromochloromethane	8.27	129	136641	50.156	ug/L	100
50) 1,2-Dibromoethane	8.37	107	132427	49.631	ug/L	100
51) Chlorobenzene	8.90	112	341501	48.893	ug/L	100
52) Ethylbenzene	9.03	91	596207	50.279	ug/L	100
53) m,p-Xylene	9.16	106	224469	50.841	ug/L	98
54) o-xylene	9.57	106	218531	50.186	ug/L	97
55) Styrene	9.58	104	377159	51.231	ug/L	98
56) Isopropylbenzene	9.95	105	580770	49.638	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	203469	52.084	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	165537	50.519	ug/L	100
61) Bromoform	9.75	173	94830	50.609	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	287455	49.819	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	288953	49.220	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	291847	50.473	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	47693	52.455	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	209843	48.772	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	193938	49.142	ug/L	99
69) Naphthalene	13.53	128	597936	52.672	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	192100	49.748	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.674 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016696.D

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Instrument :

MSVOA_D

ClientSampleId :

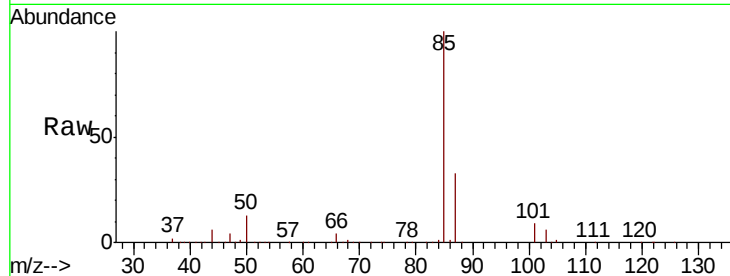
VSTD05074

Tot Ion: 85 Resp: 141689

Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016696.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016696.D (-1) (-)

1.13

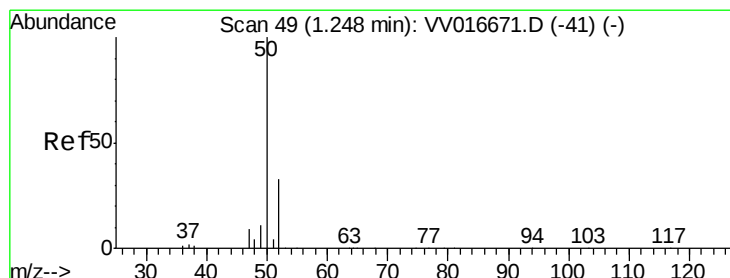
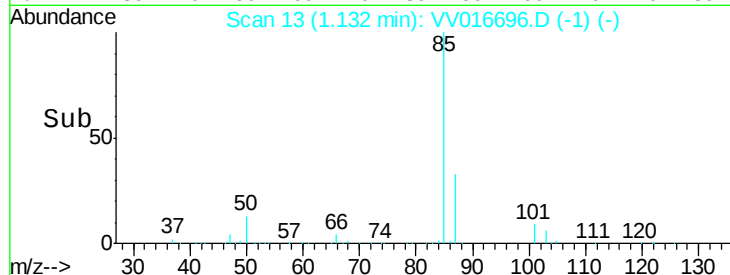
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.592 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016696.D

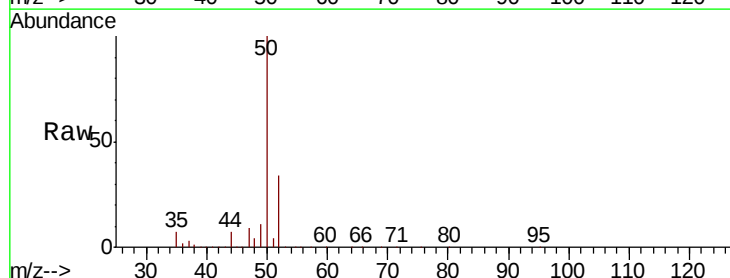
Acq: 09 Jun 2020 06:04

Tgt Ion: 50 Resp: 137187

Ion Ratio Lower Upper

50 100

52 33.5 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016696.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016696.D (-1) (-)

1.25

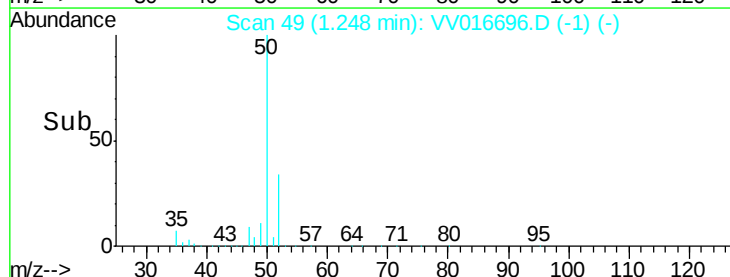
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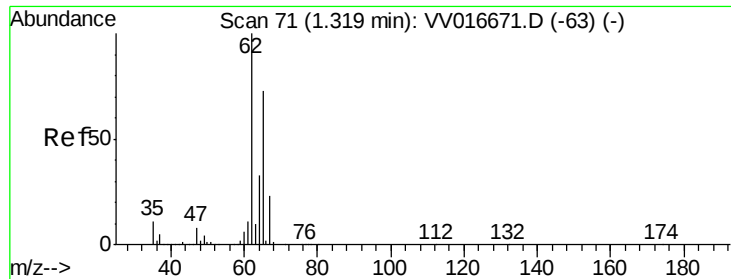
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.097 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

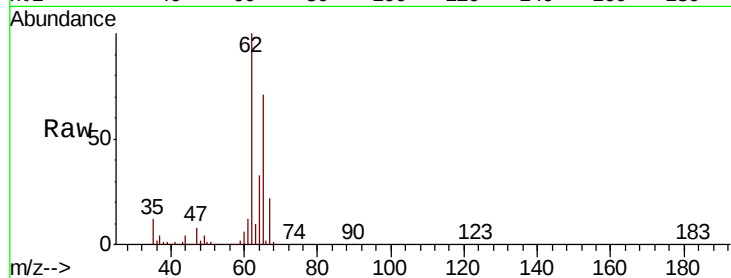
VSTD05074

Tot Ion: 62 Resp: 128507

Ion Ratio Lower Upper

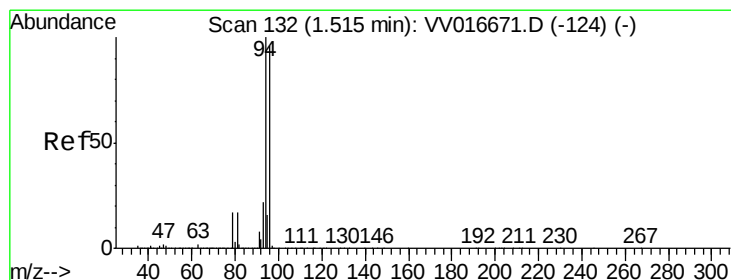
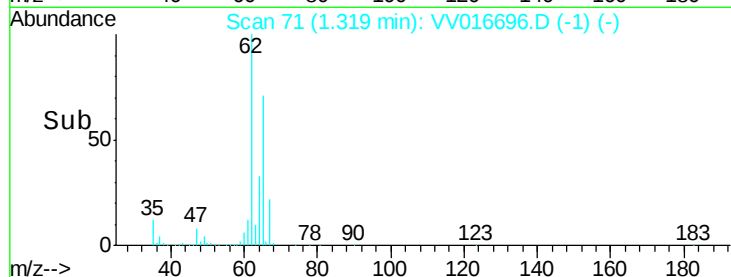
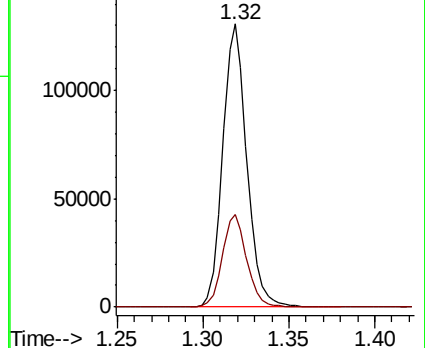
62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 38.229 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV016696.D

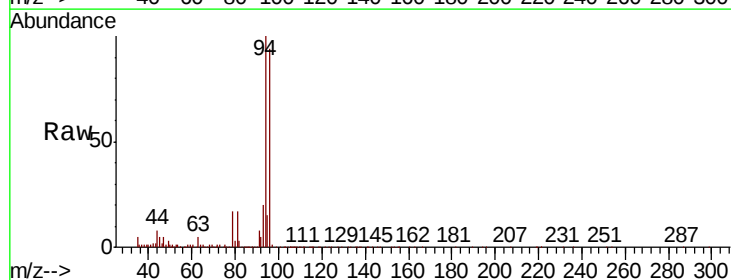
Acq: 09 Jun 2020 06:04

Tgt Ion: 94 Resp: 40842

Ion Ratio Lower Upper

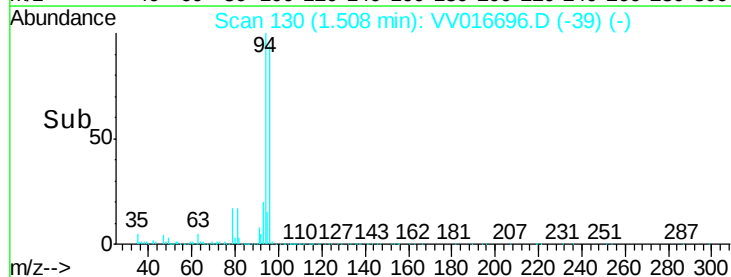
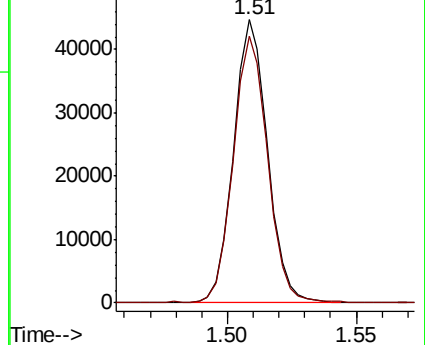
94 100

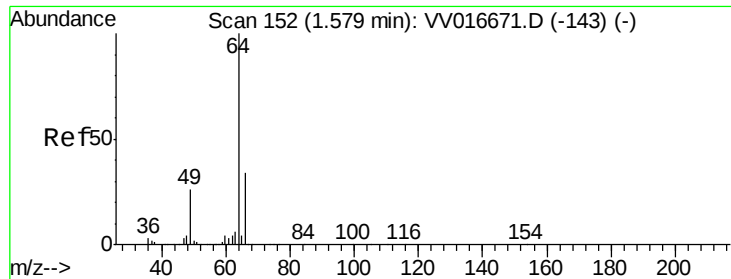
96 94.1 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 53.143 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

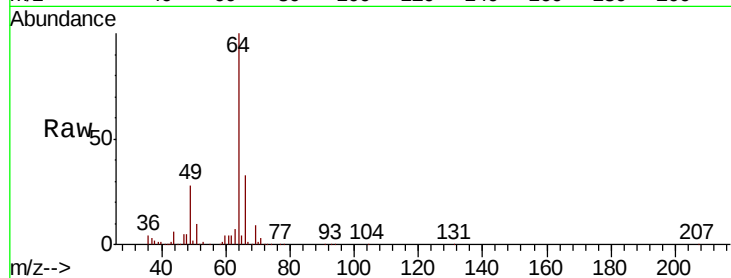
VSTD05074

Tot Ion: 64 Resp: 67338

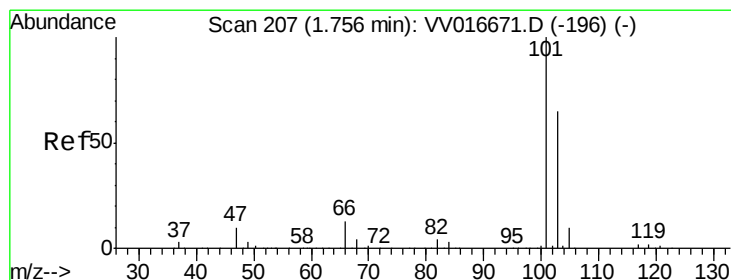
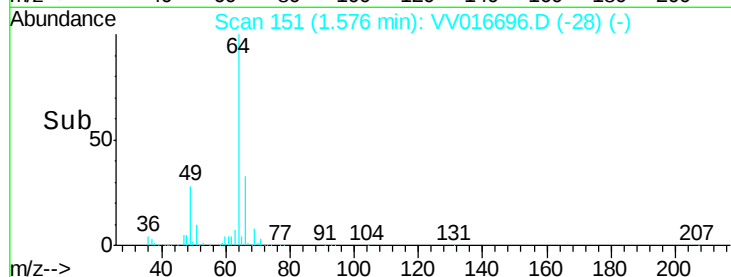
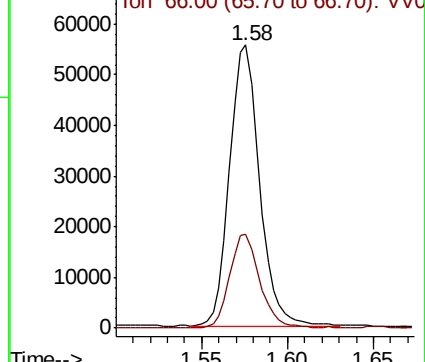
Ion Ratio Lower Upper

64 100

66 33.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016671.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 49.370 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV016696.D

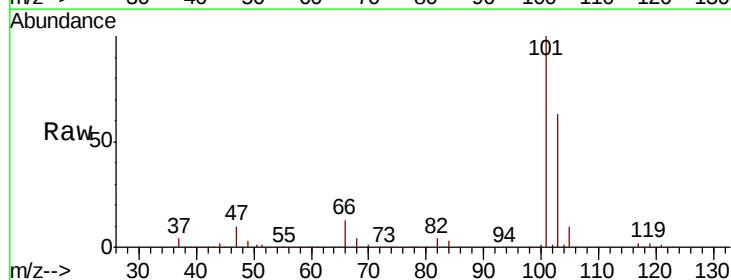
Acq: 09 Jun 2020 06:04

Tgt Ion: 101 Resp: 189518

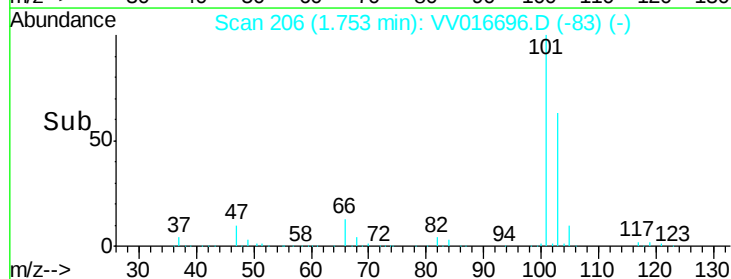
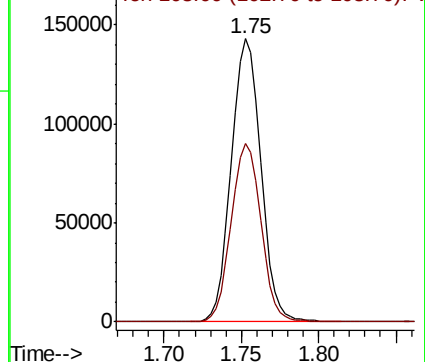
Ion Ratio Lower Upper

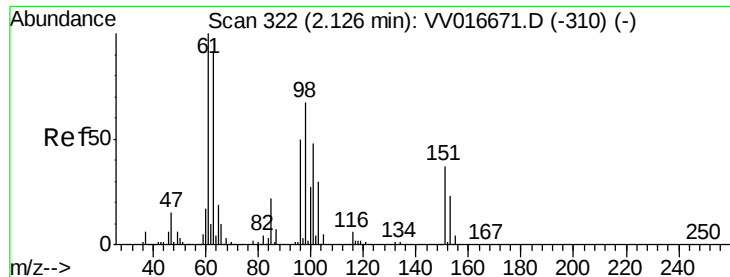
101 100

103 63.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016671.D (-196) (-)





#10

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

Concen: 47.561 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

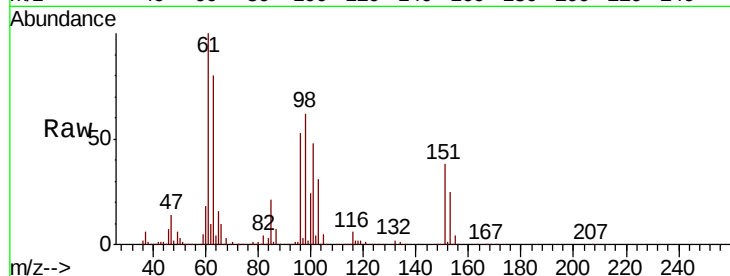
Tot Ion:101 Resp: 90976

Ion Ratio Lower Upper

101 100

85 44.5 35.5 53.3

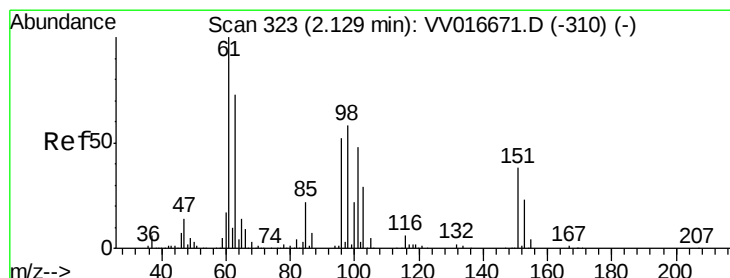
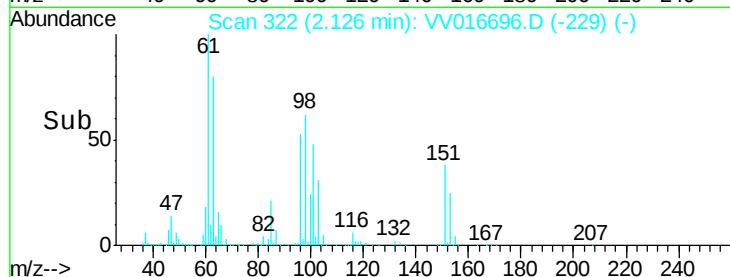
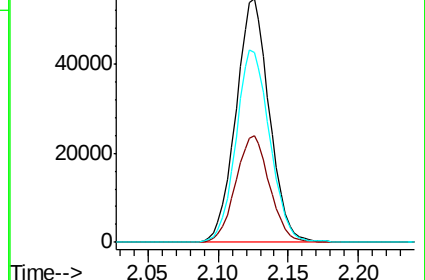
151 79.8 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016671.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV016671.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV016671.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 47.758 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

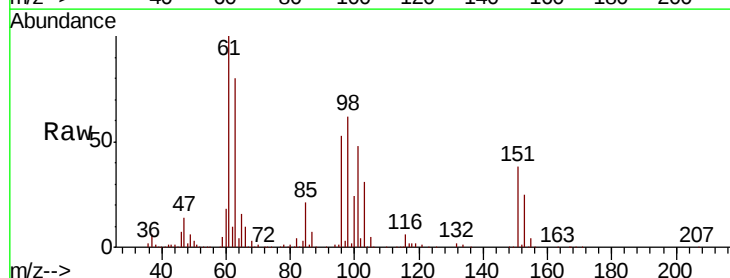
Tgt Ion: 96 Resp: 85280

Ion Ratio Lower Upper

96 100

61 188.3 130.4 242.2

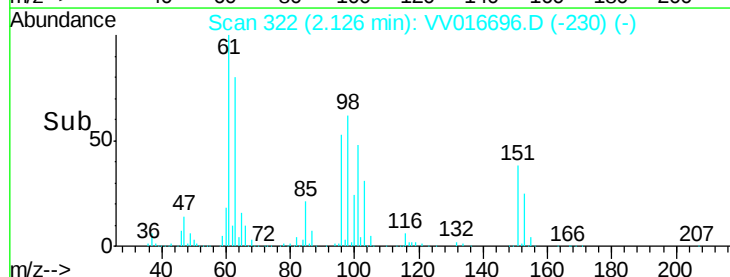
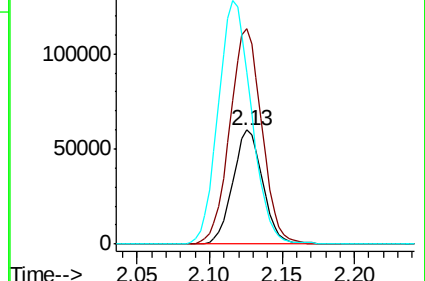
63 150.4 103.3 191.9

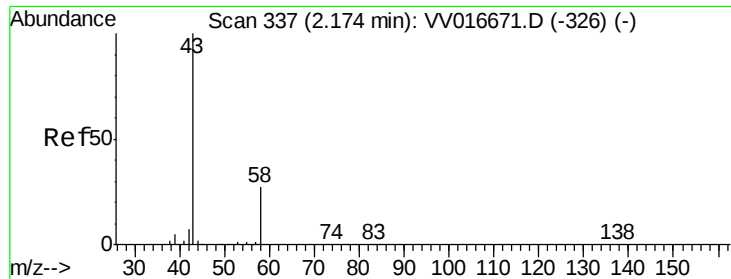


Abundance Ion 96.00 (95.70 to 96.70): VV016671.D (-310) (-)

Ion 61.00 (60.70 to 61.70): VV016671.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV016671.D (-310) (-)





#13

Acetone

Concen: 87.377 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

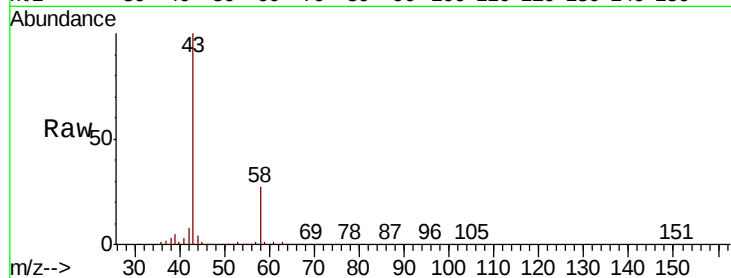
VSTD05074

Tot Ion: 43 Resp: 108174

Ion Ratio Lower Upper

43 100

58 27.0 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.17

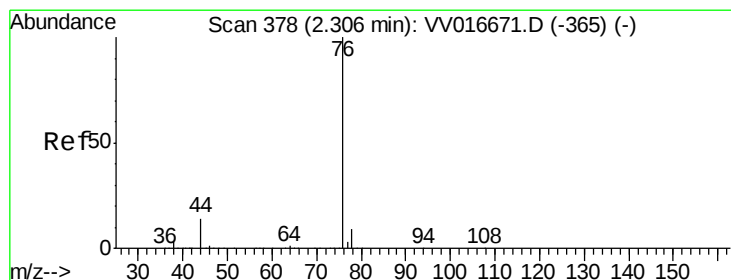
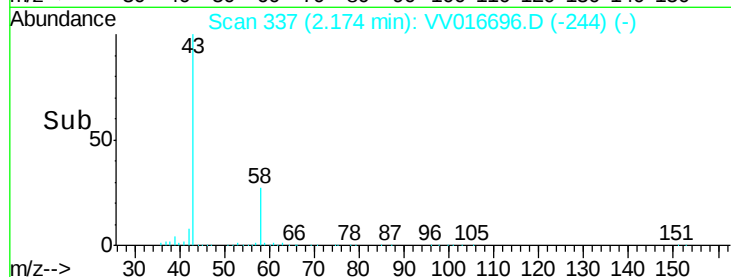
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 49.379 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV016696.D

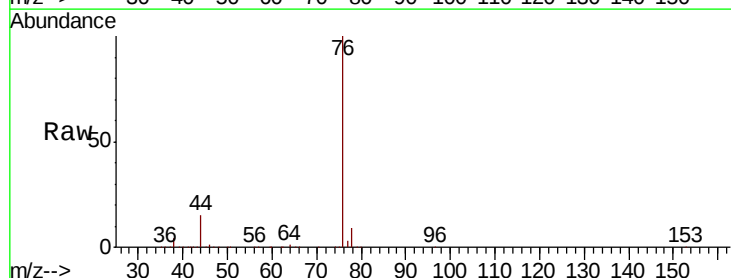
Acq: 09 Jun 2020 06:04

Tgt Ion: 76 Resp: 319252

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.30

250000

200000

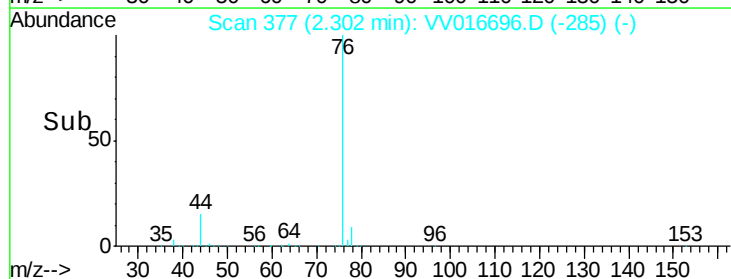
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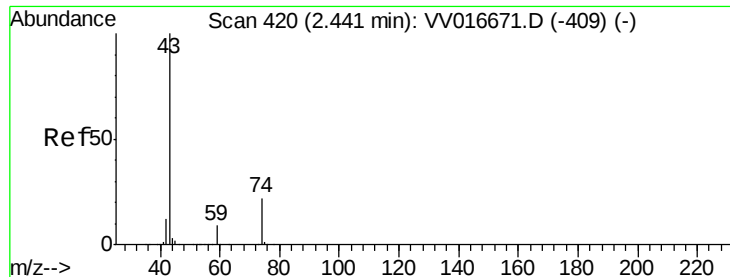
100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 53.544 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

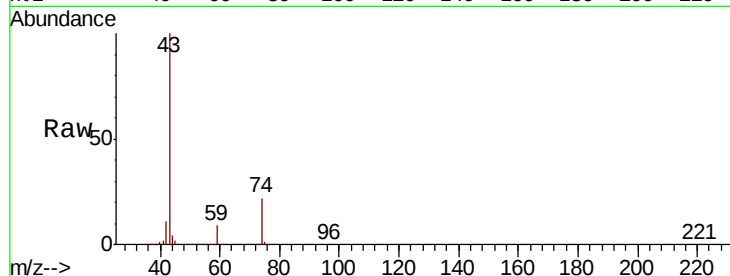
VSTD05074

Tot Ion: 43 Resp: 147748

Ion Ratio Lower Upper

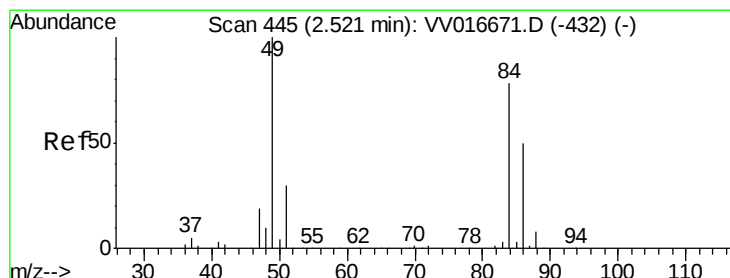
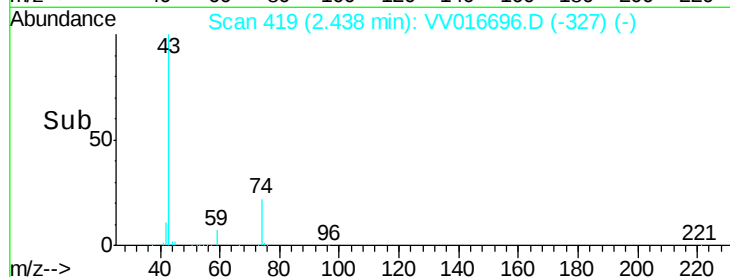
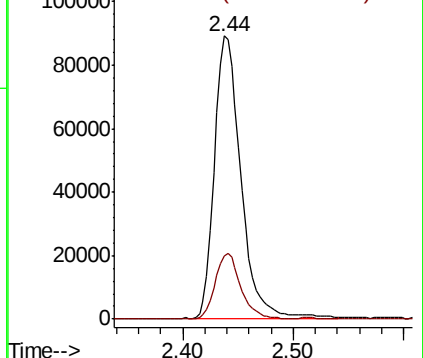
43 100

74 22.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.589 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

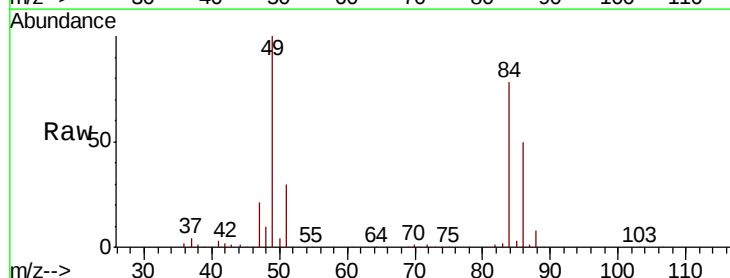
Tgt Ion: 84 Resp: 129940

Ion Ratio Lower Upper

84 100

86 64.3 44.0 81.8

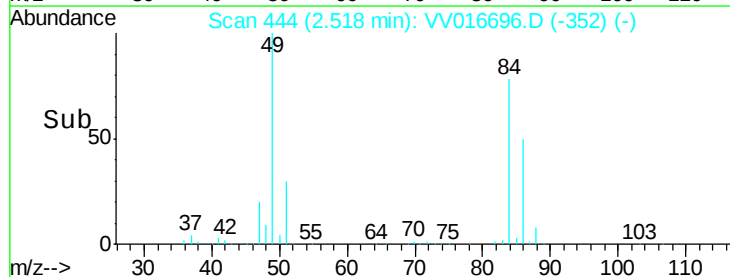
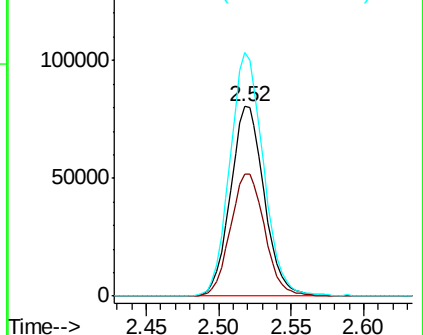
49 128.4 90.9 168.9

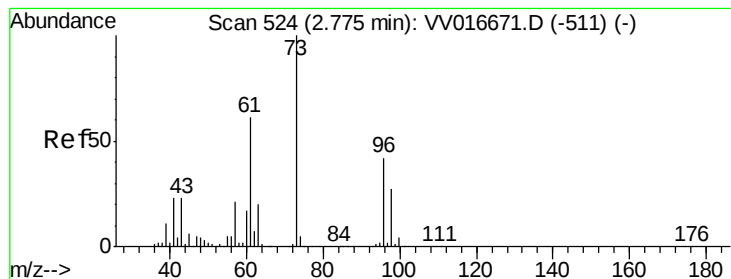


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.734 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

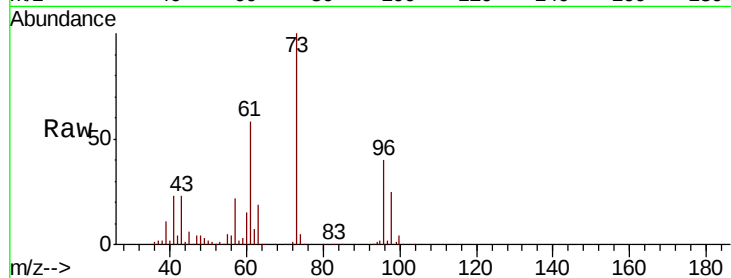
Tot Ion: 96 Resp: 118652

Ion Ratio Lower Upper

96 100

61 144.6 102.9 191.1

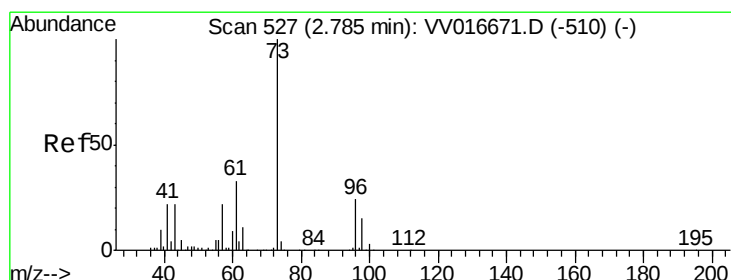
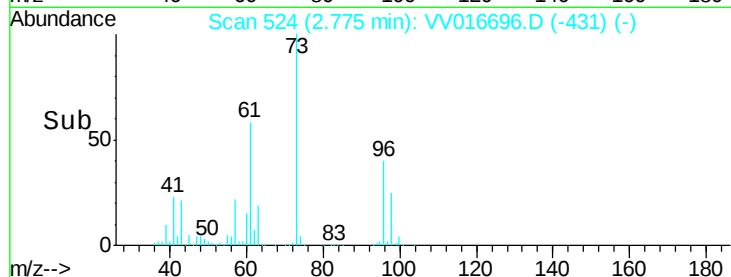
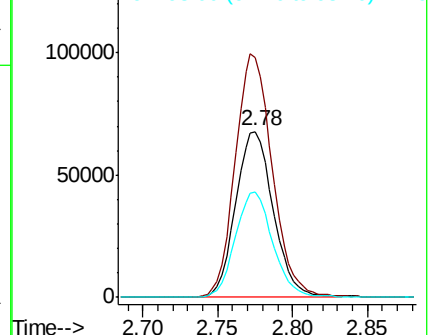
98 63.1 45.5 84.5



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: 50.708 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

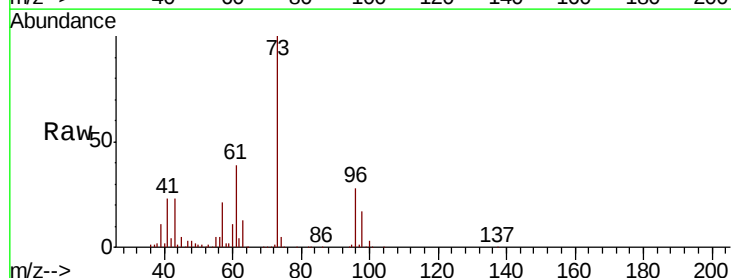
Tgt Ion: 73 Resp: 409079

Ion Ratio Lower Upper

73 100

43 22.4 17.8 26.6

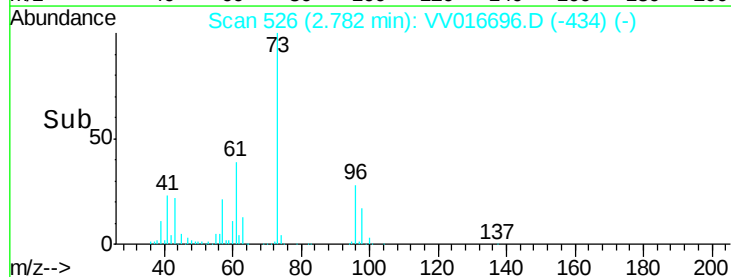
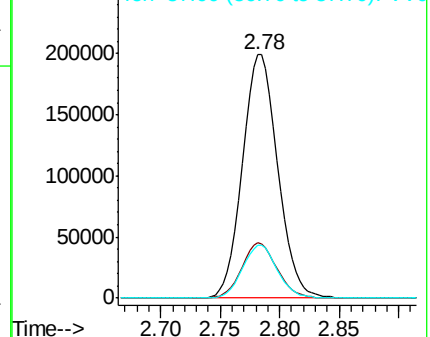
57 21.7 17.7 26.5

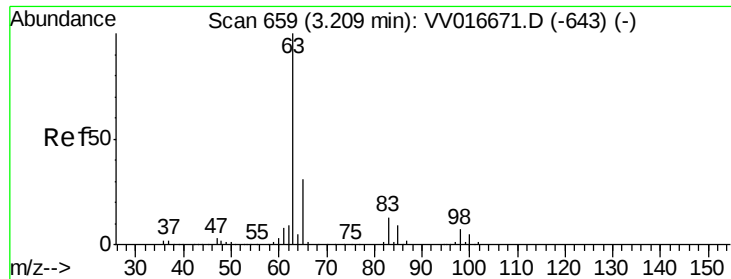


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.874 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

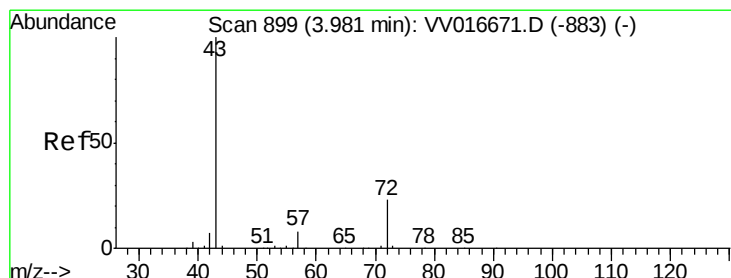
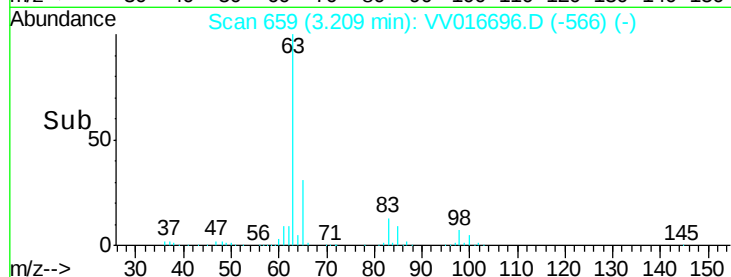
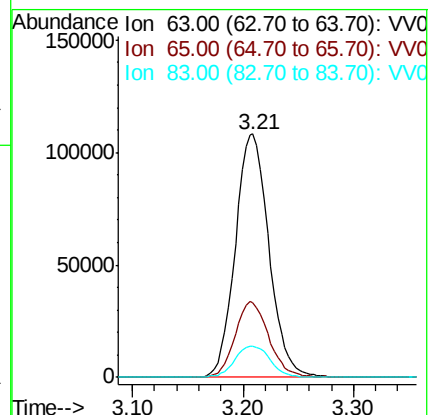
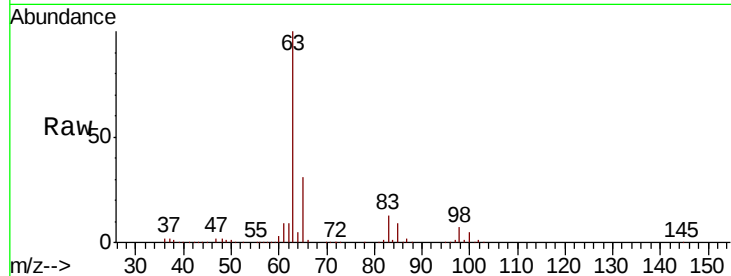
Tot Ion: 63 Resp: 228569

Ion Ratio Lower Upper

63 100

65 30.8 23.2 43.0

83 13.0 10.0 18.6



#22

2-Butanone

Concen: 103.144 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016696.D

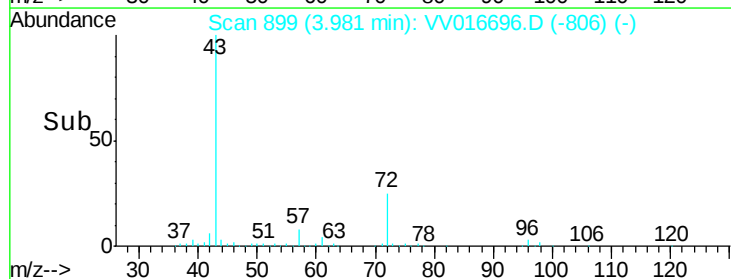
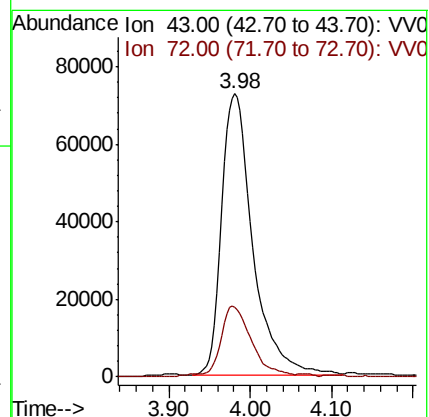
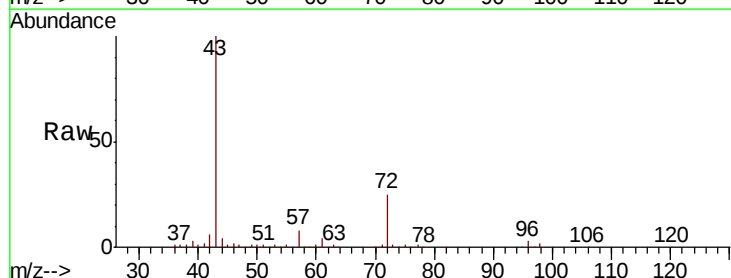
Acq: 09 Jun 2020 06:04

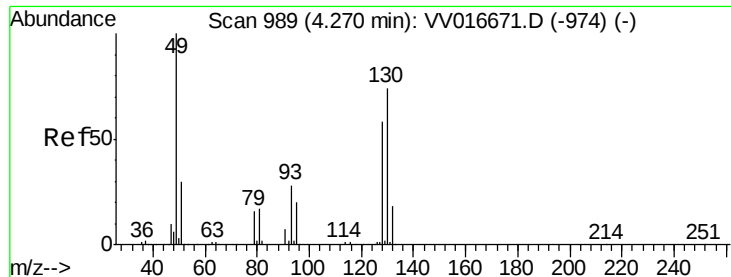
Tgt Ion: 43 Resp: 196914

Ion Ratio Lower Upper

43 100

72 24.5 12.4 37.4





#23

Bromochloromethane

Concen: 49.597 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

Tot Ion:128 Resp: 69348

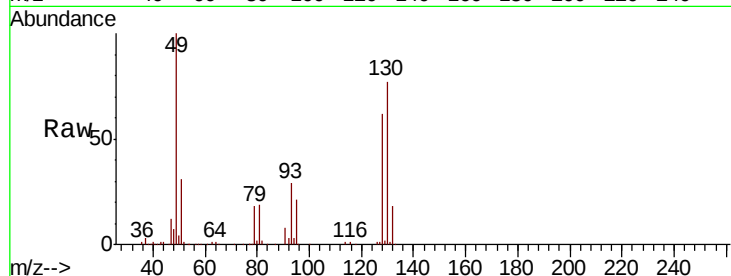
Ion Ratio Lower Upper

128 100

49 160.3 111.9 207.9

130 122.9 91.5 169.9

51 49.0 42.1 63.1

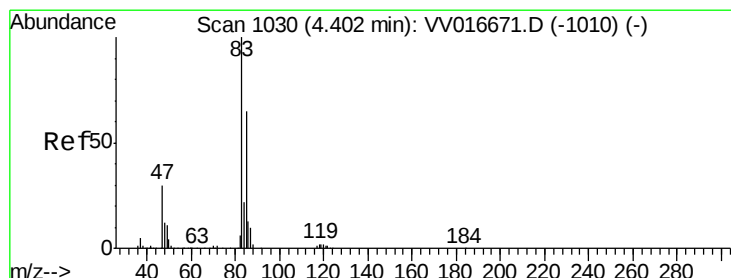
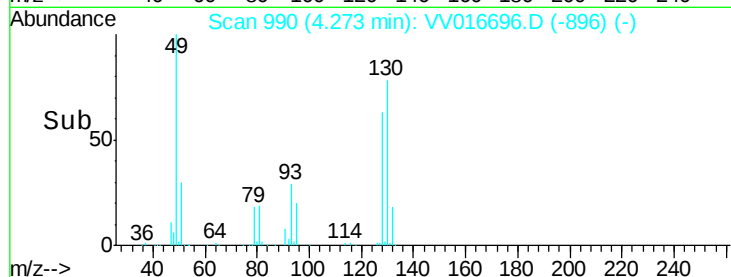
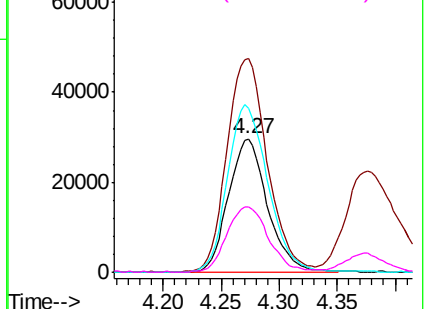


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 50.626 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016696.D

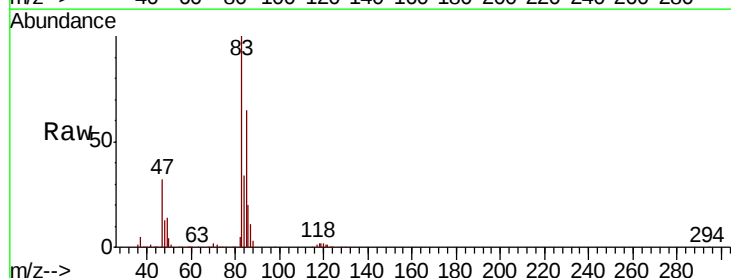
Acq: 09 Jun 2020 06:04

Tgt Ion: 83 Resp: 238442

Ion Ratio Lower Upper

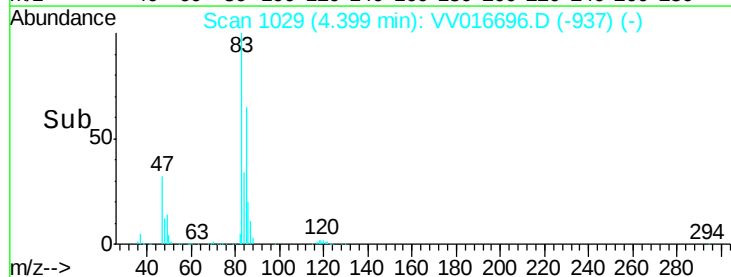
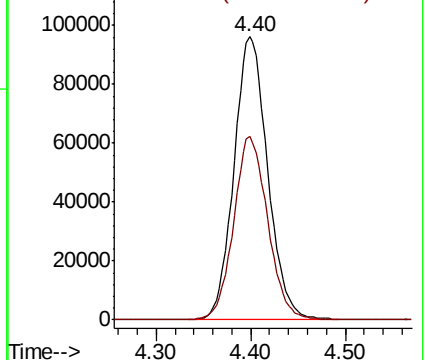
83 100

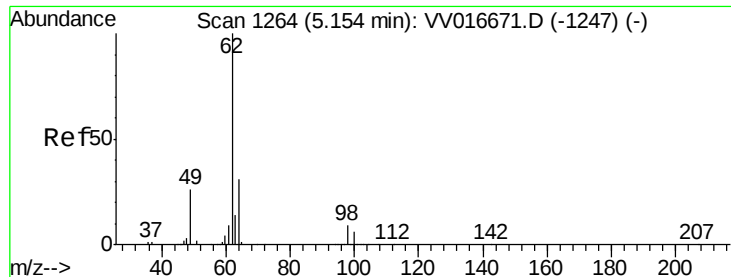
85 64.6 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 51.205 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

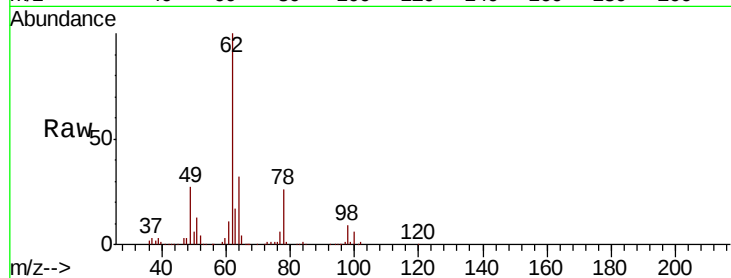
VSTD05074

Tot Ion: 62 Resp: 202170

Ion Ratio Lower Upper

62 100

98 8.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.15

100000

80000

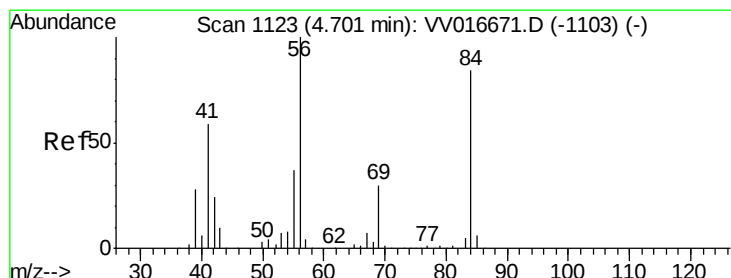
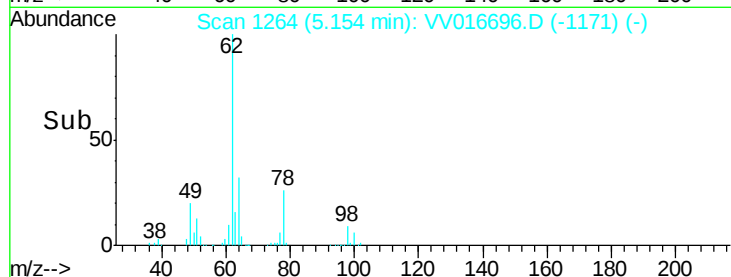
60000

40000

20000

0

Time-->



#29

Cyclohexane

Concen: 48.138 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

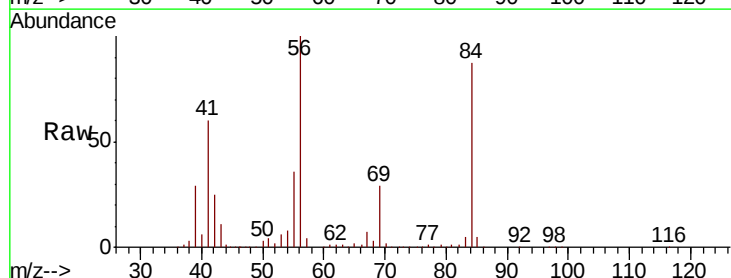
Tgt Ion: 56 Resp: 205321

Ion Ratio Lower Upper

56 100

69 29.6 25.0 37.4

84 86.5 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

4.70

100000

80000

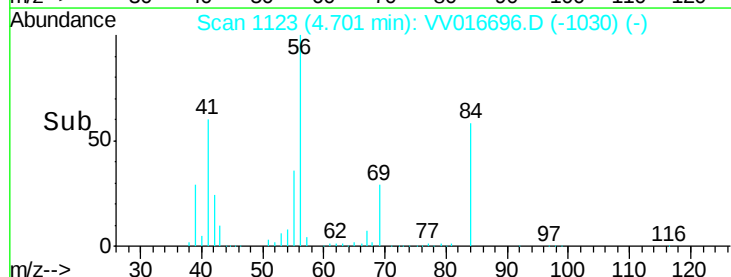
60000

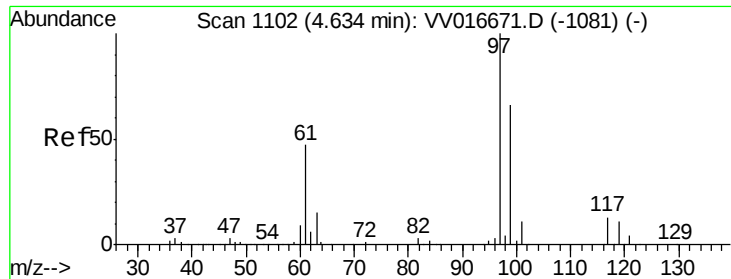
40000

20000

0

Time-->



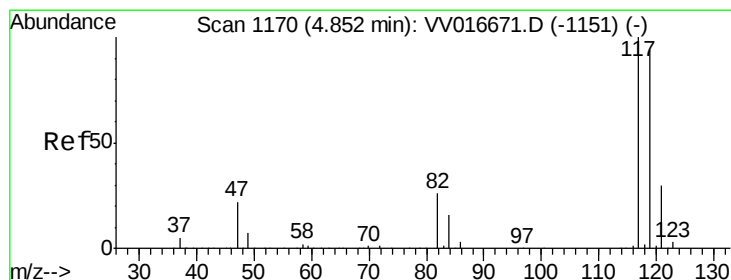
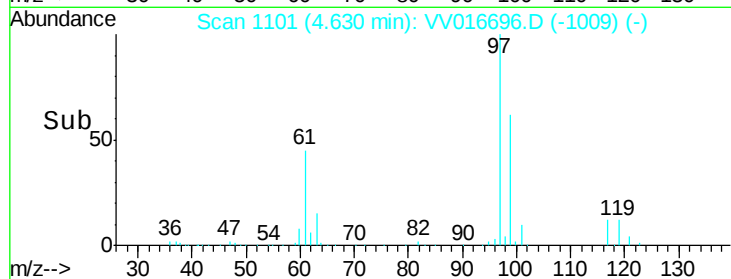
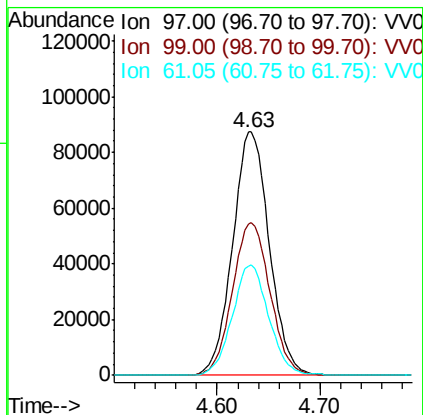
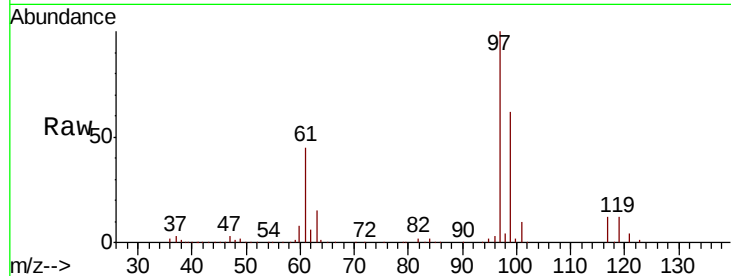


#30
 1,1,1-Trichloroethane
 Concen: 49.516 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV016696.D
 Acq: 09 Jun 2020 06:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05074

Tot Ion: 97 Resp: 216744

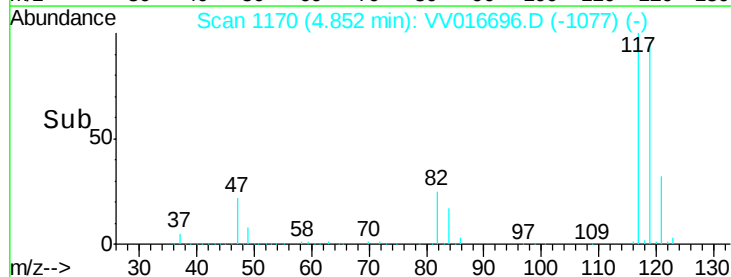
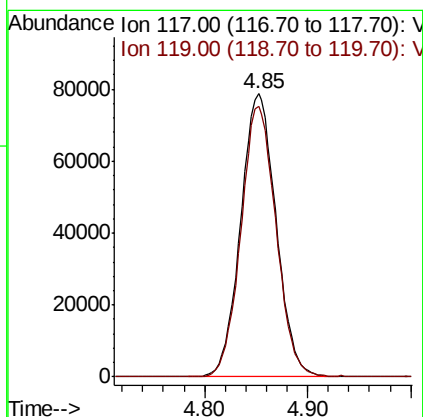
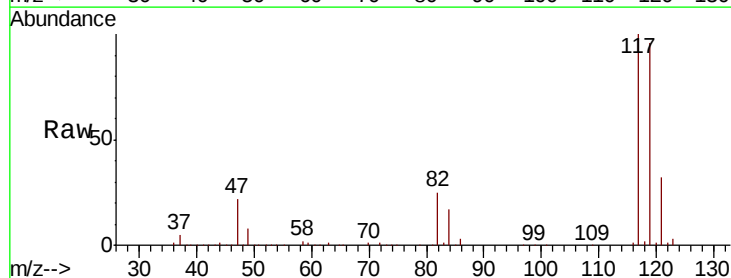
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	44.9	36.7	55.1

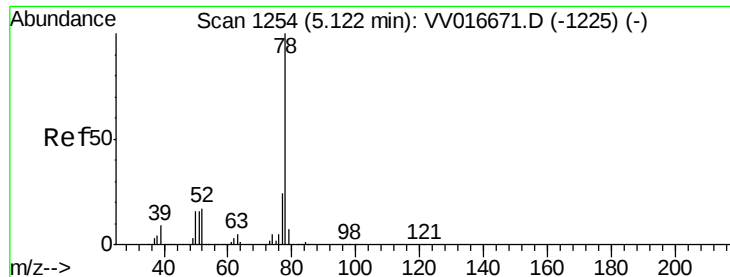


#31
 Carbon tetrachloride
 Concen: 49.587 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV016696.D
 Acq: 09 Jun 2020 06:04

Tgt Ion: 117 Resp: 187774

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.4	116.2

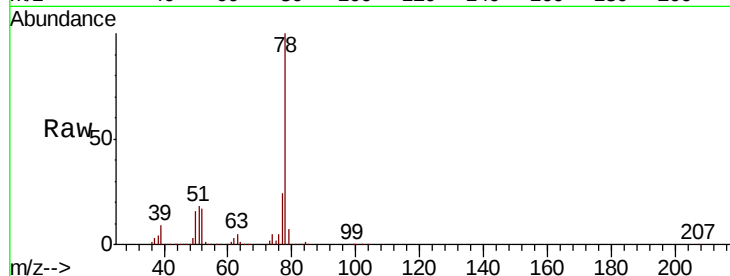




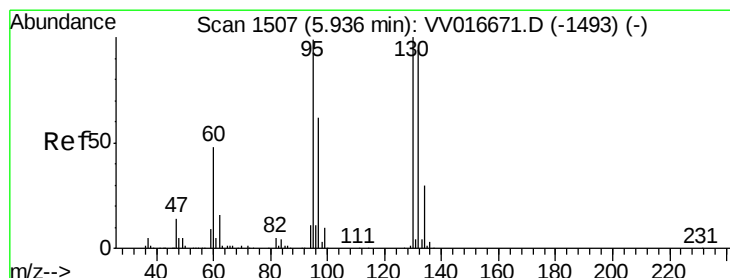
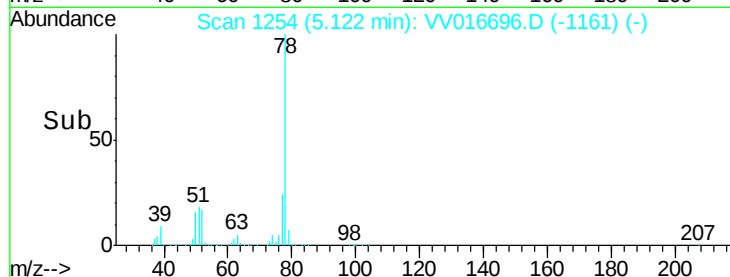
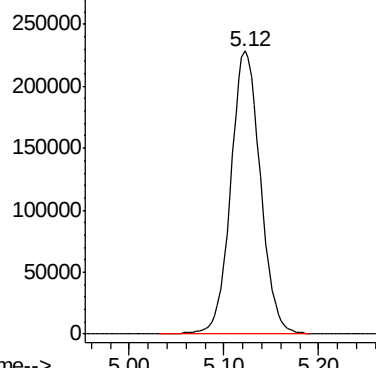
#33
Benzene
Concen: 48.825 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05074

Tgt Ion: 78 Resp: 495831

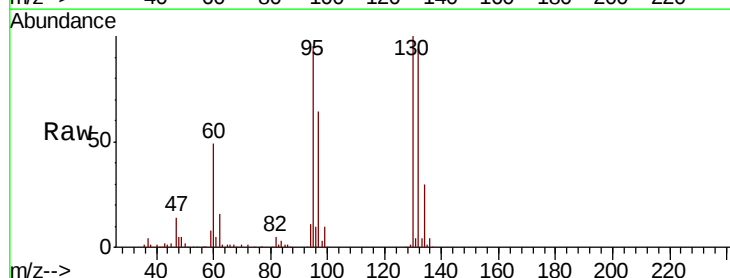


Abundance Ion 78.00 (77.70 to 78.70): VV0



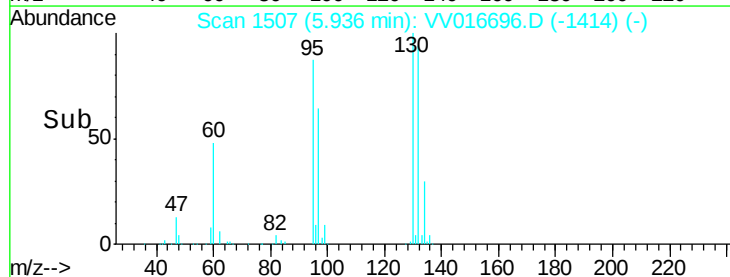
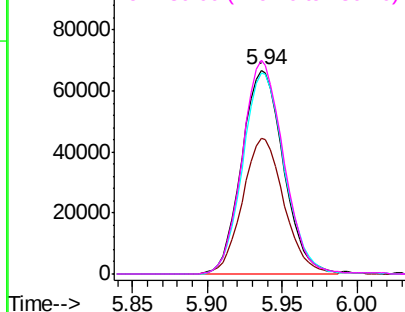
#34
Trichloroethene
Concen: 47.620 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

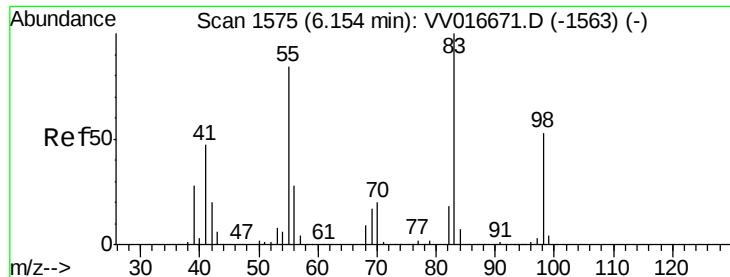
Tgt Ion: 95 Resp: 129700
Ion Ratio Lower Upper
95 100
97 66.8 44.3 82.3
132 98.9 67.9 126.1
130 104.9 72.2 134.2



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

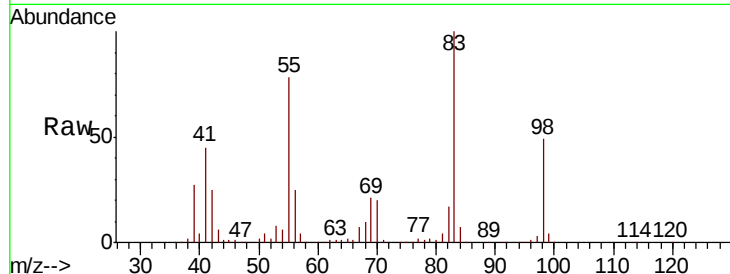




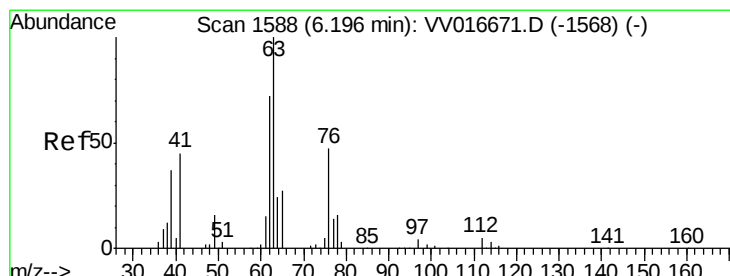
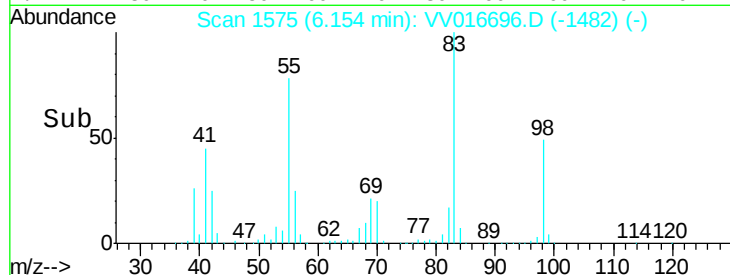
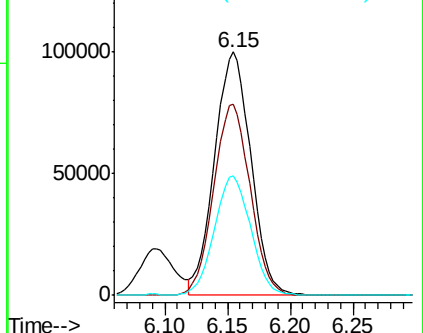
#35
Methvlcvclohexane
Concen: 46.981 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05074

Tot Ion: 83 Resp: 200740
Ion Ratio Lower Upper
83 100
55 79.0 64.2 96.2
98 49.3 40.3 60.5

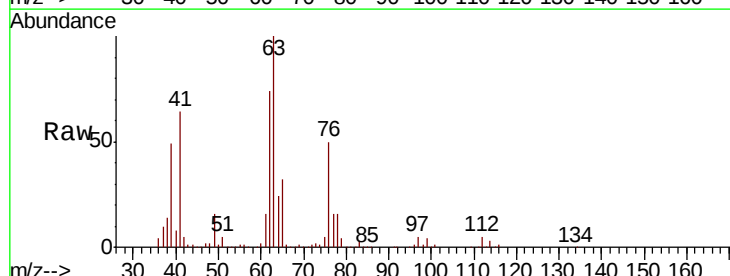


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

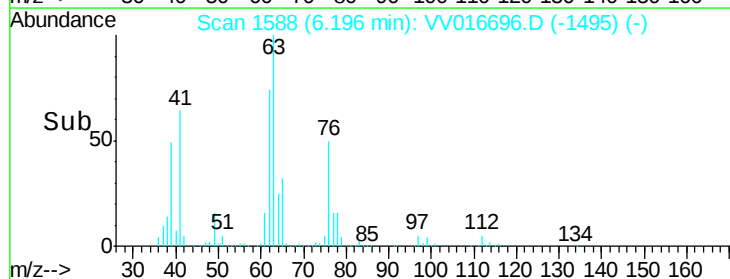
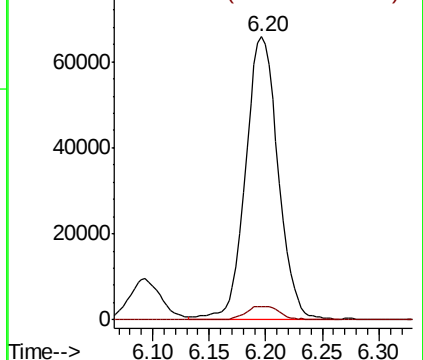


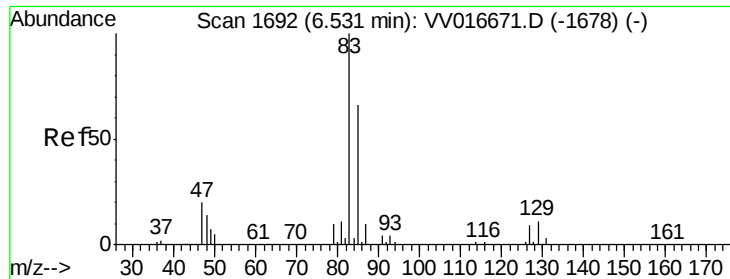
#37
1,2-Dichloropropane
Concen: 50.083 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

Tgt Ion: 63 Resp: 132269
Ion Ratio Lower Upper
63 100
112 5.1 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

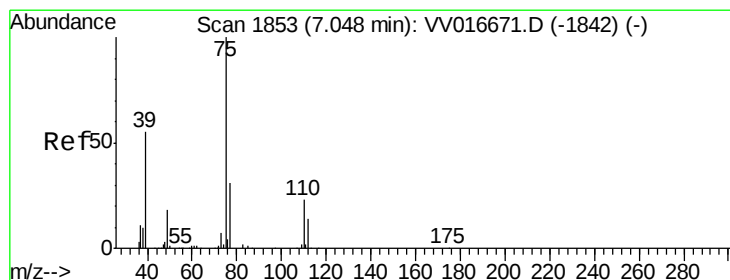
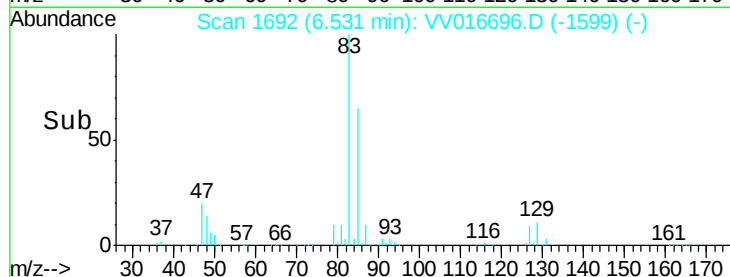
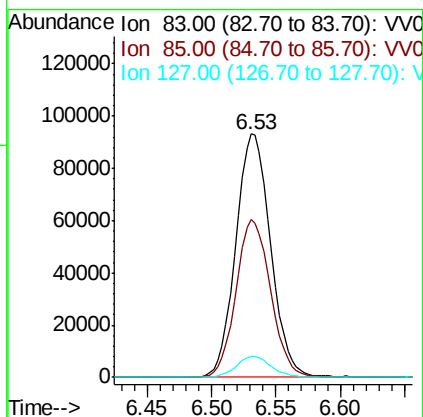
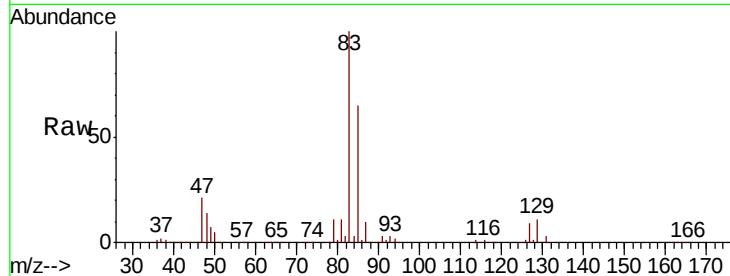




#38
 Bromodichloromethane
 Concen: 49.790 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016696.D
 Acq: 09 Jun 2020 06:04

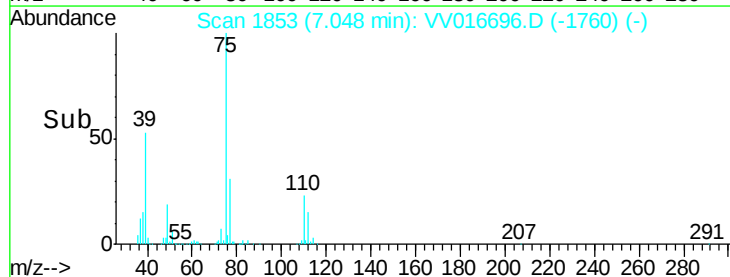
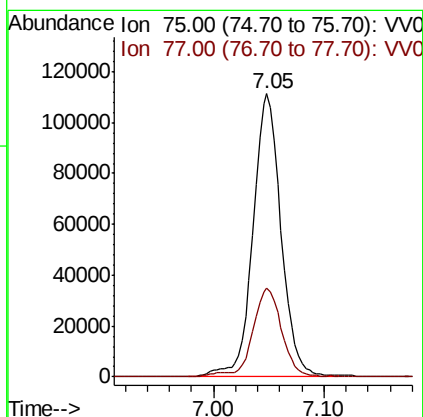
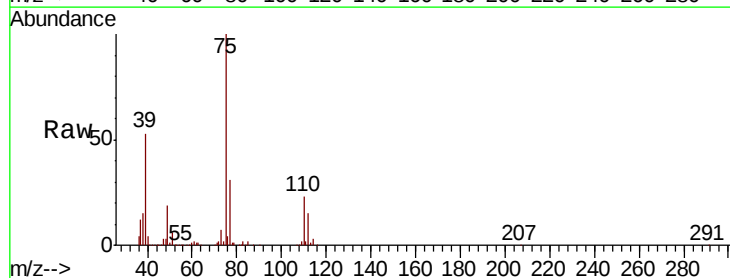
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05074

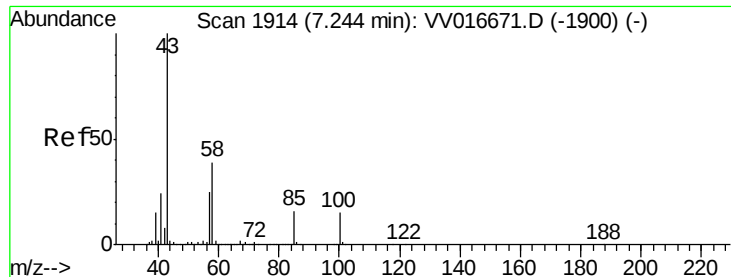
Tot Ion: 83 Resp: 175045
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.4 82.5
 127 8.6 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 48.027 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016696.D
 Acq: 09 Jun 2020 06:04

Tgt Ion: 75 Resp: 197023
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1

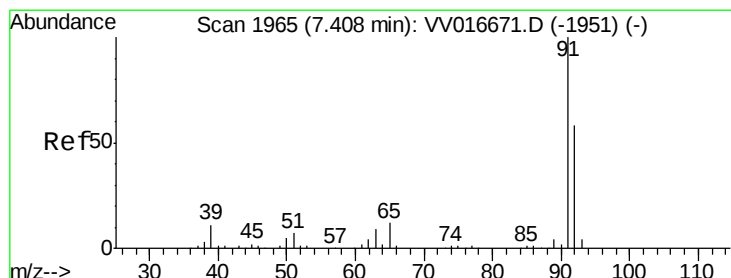
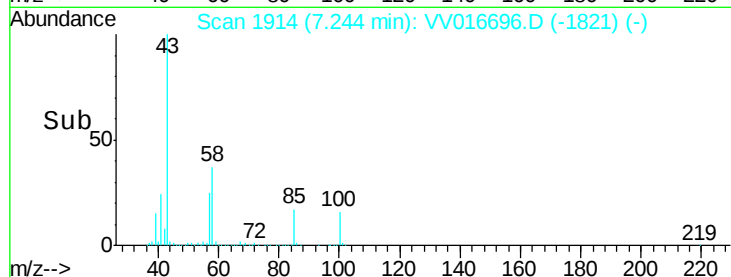
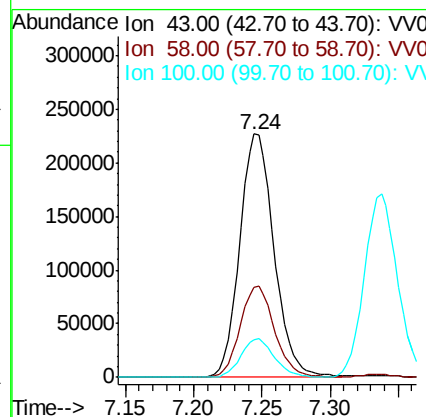
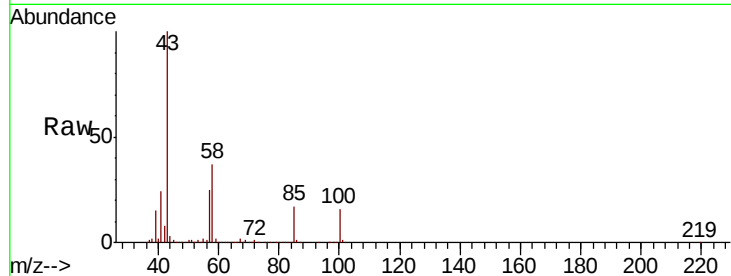




#40
4-Methyl-2-pentanone
Concen: 105.804 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

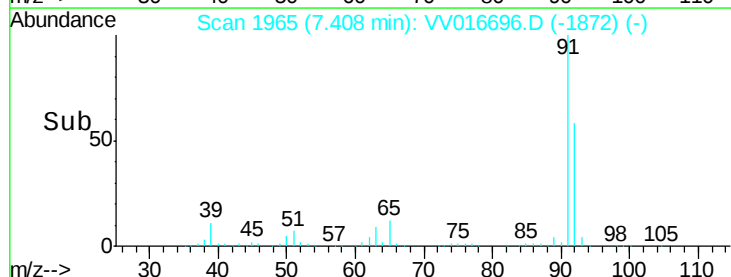
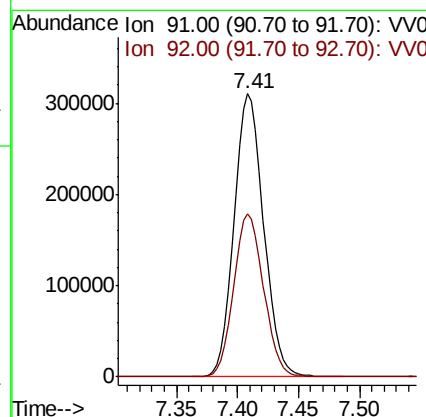
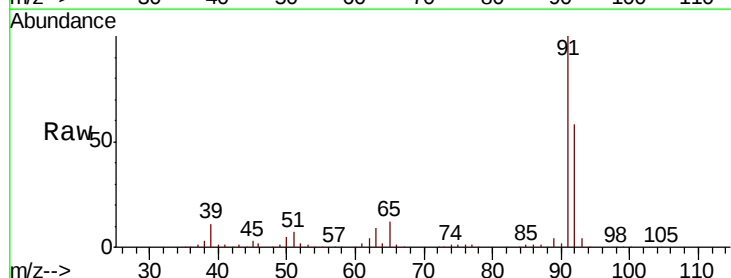
Instrument :
MSVOA_D
ClientSampleId :
VSTD05074

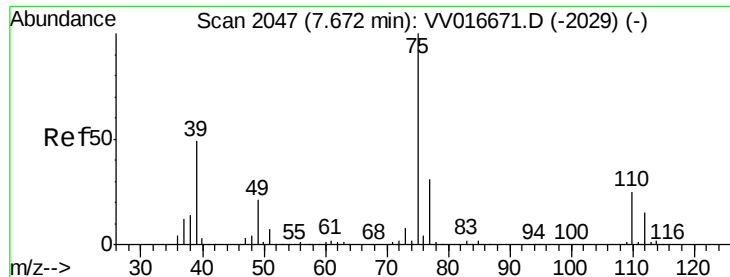
Tot Ion: 43 Resp: 395954
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4
100 15.6 12.3 18.5



#42
Toluene
Concen: 49.160 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

Tgt Ion: 91 Resp: 526294
Ion Ratio Lower Upper
91 100
92 57.7 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 47.941 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

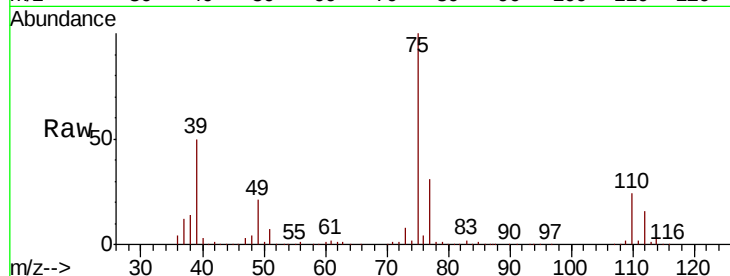
VSTD05074

Tot Ion: 75 Resp: 191204

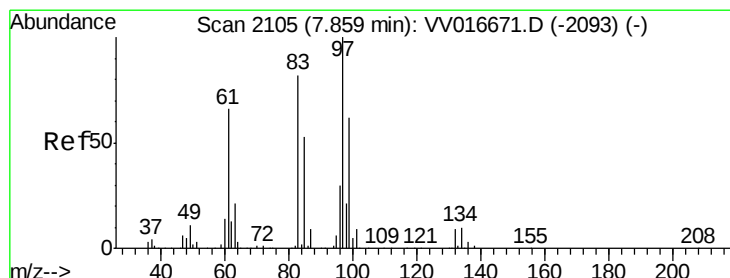
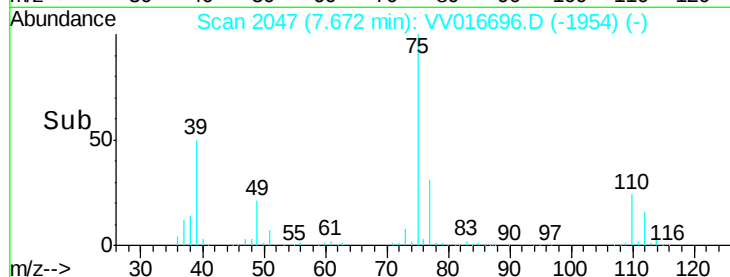
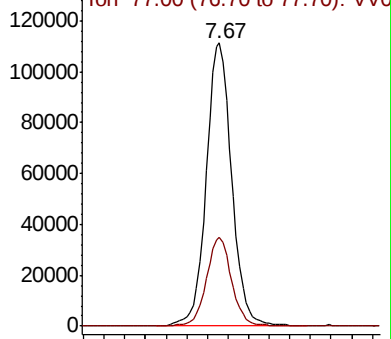
Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016696.D (-1954) (-)



#45

1,1,2-Trichloroethane

Concen: 49.693 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Tgt Ion: 97 Resp: 126615

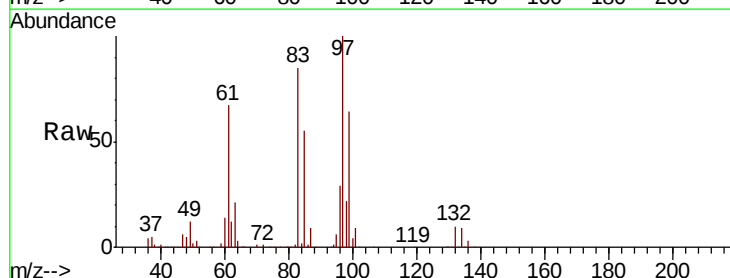
Ion Ratio Lower Upper

97 100

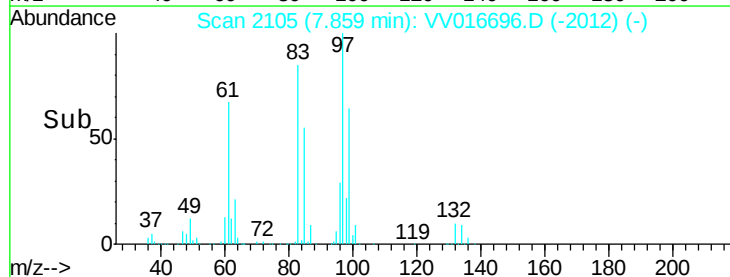
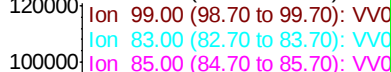
99 63.9 44.3 82.3

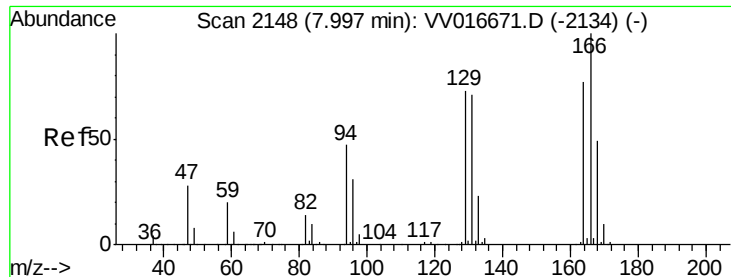
83 85.0 60.0 111.4

85 55.3 39.5 73.3



Abundance Ion 97.00 (96.70 to 97.70): VV016696.D (-2112) (-)





#46

Tetrachloroethene

Concen: 48.077 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

Tot Ion:164 Resp: 102985

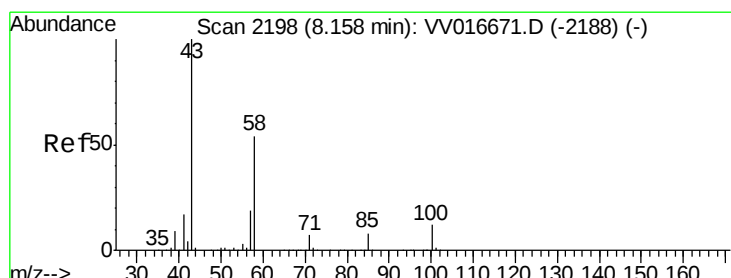
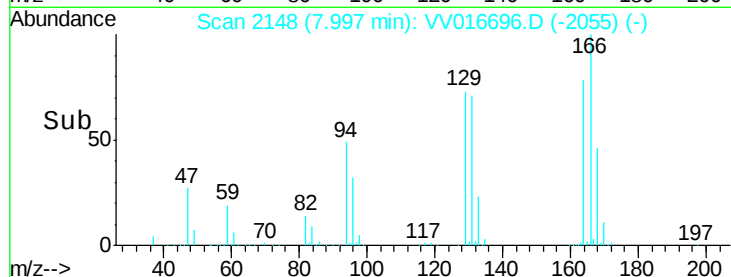
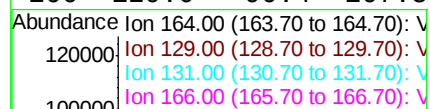
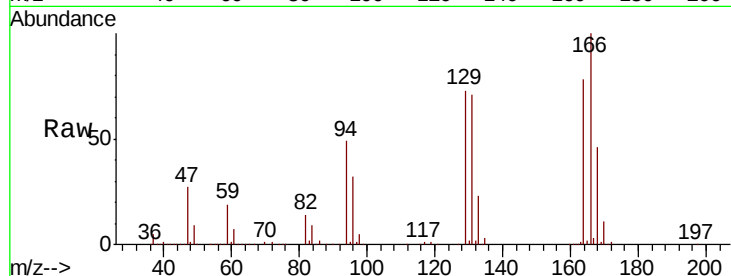
Ion Ratio Lower Upper

164 100

129 93.5 67.0 124.4

131 91.8 64.8 120.3

166 129.0 90.4 167.8



#48

2-Hexanone

Concen: 106.267 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Tgt Ion: 43 Resp: 308351

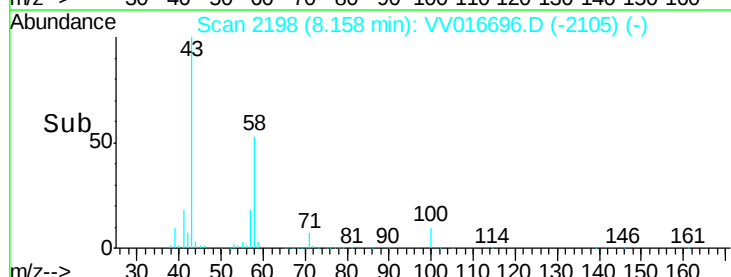
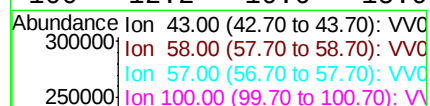
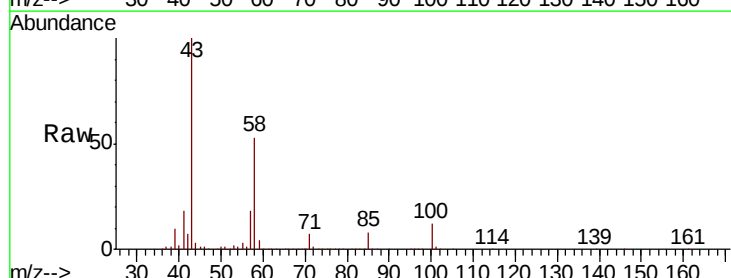
Ion Ratio Lower Upper

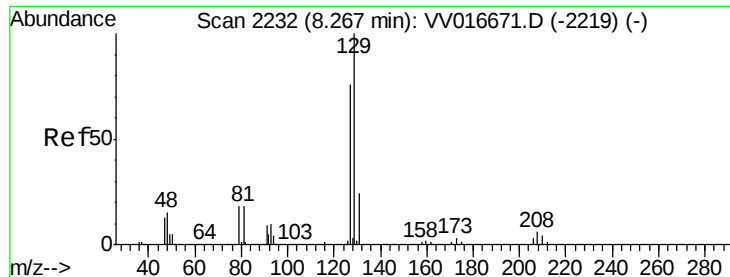
43 100

58 54.5 43.1 64.7

57 18.3 15.3 22.9

100 12.2 10.0 15.0





#49

Dibromochloromethane

Concen: 50.156 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

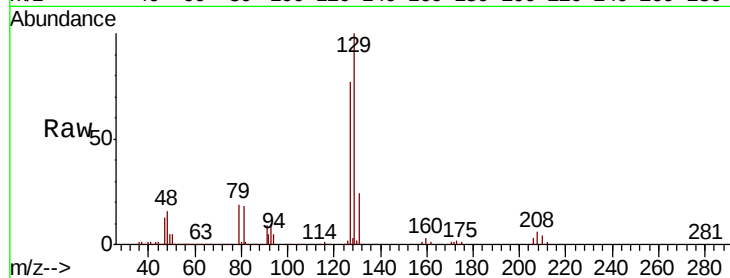
VSTD05074

Tot Ion:129 Resp: 136641

Ion Ratio Lower Upper

129 100

127 77.2 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

80000

60000

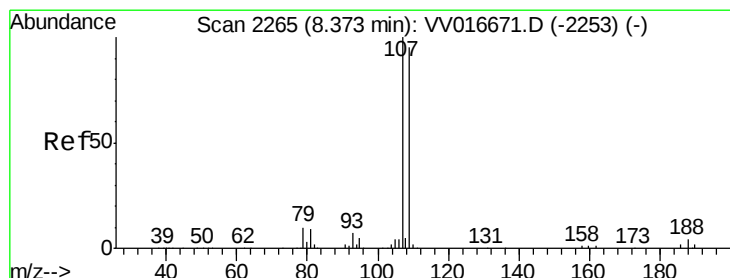
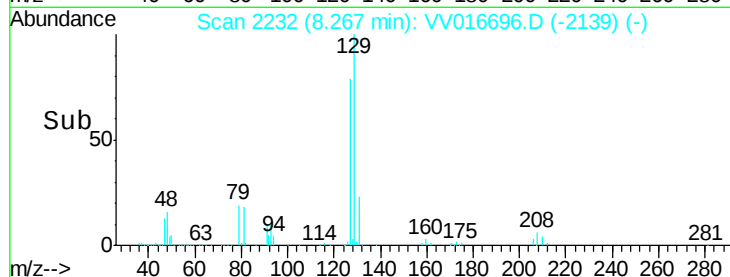
40000

20000

0

8.20 8.25 8.30 8.35

Time-->



#50

1,2-Dibromoethane

Concen: 49.631 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

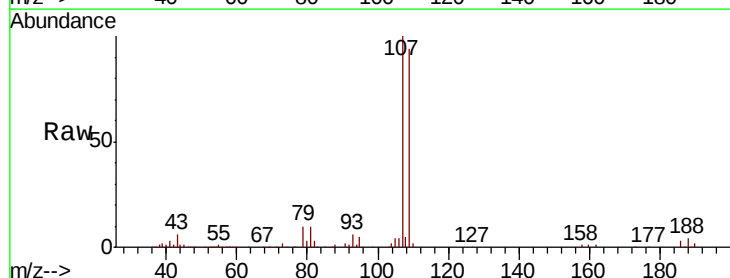
Tgt Ion:107 Resp: 132427

Ion Ratio Lower Upper

107 100

109 94.4 66.4 123.2

188 4.2 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.37

100000

80000

60000

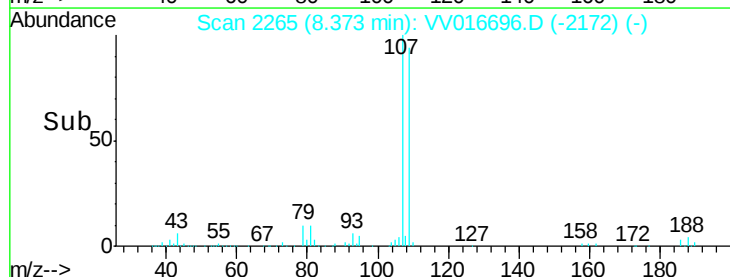
40000

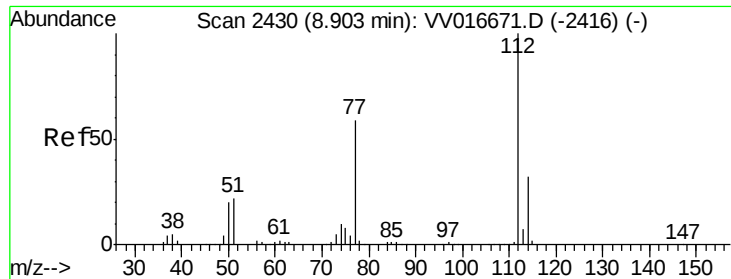
20000

0

8.30 8.35 8.40 8.45

Time-->





#51

Chlorobenzene

Concen: 48.893 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

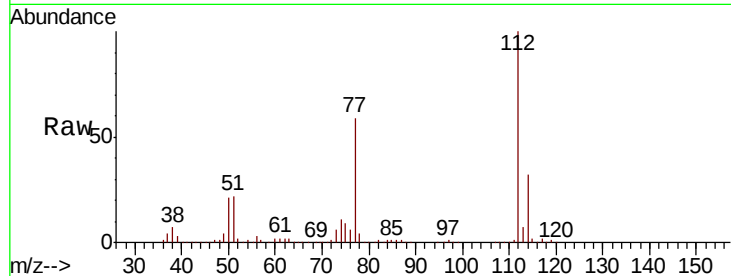
Tot Ion:112 Resp: 341501

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

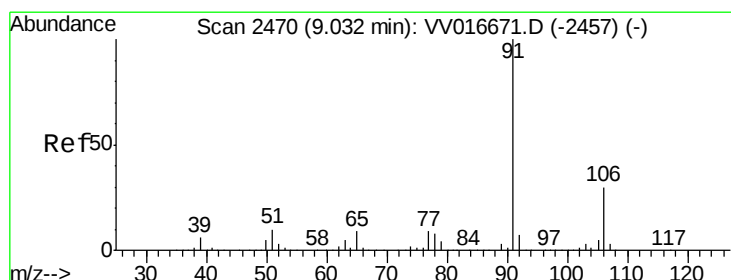
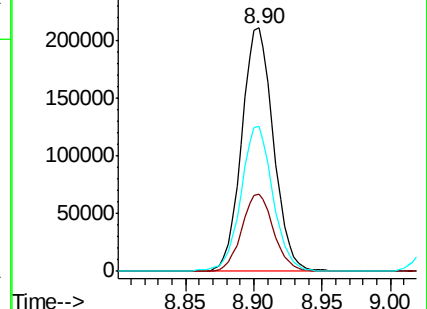
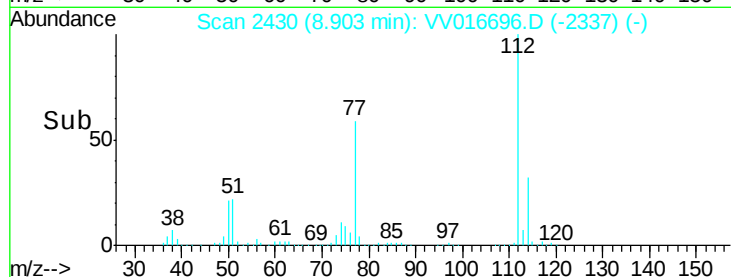
77 59.5 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 50.279 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016696.D

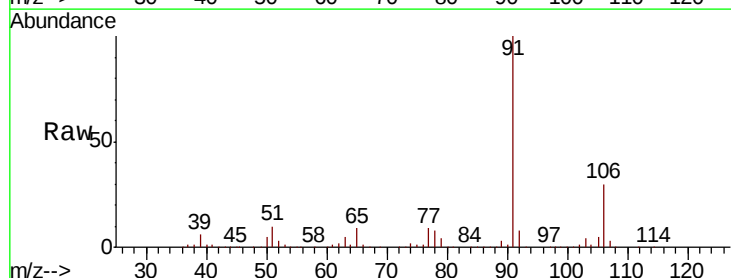
Acq: 09 Jun 2020 06:04

Tgt Ion: 91 Resp: 596207

Ion Ratio Lower Upper

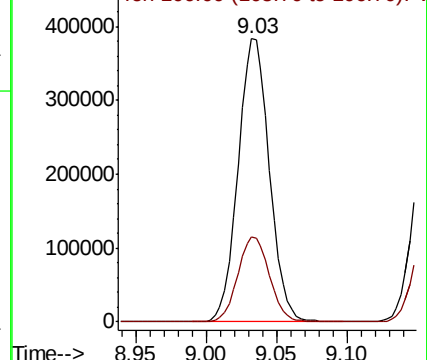
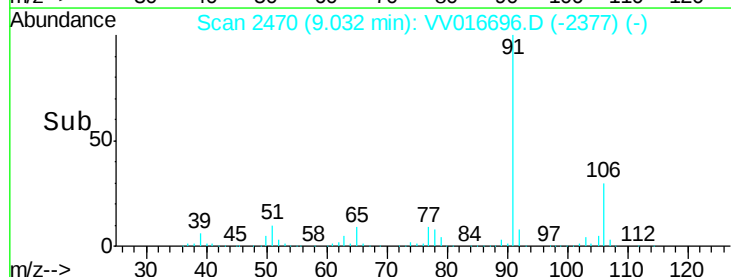
91 100

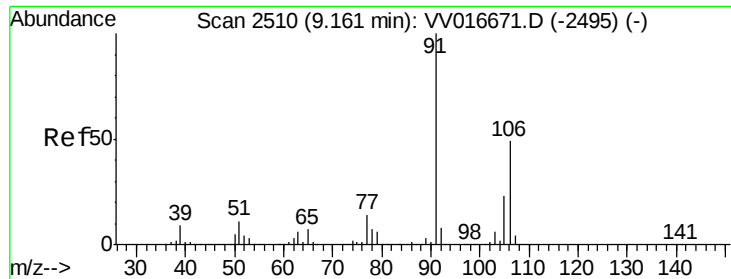
106 30.0 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 50.841 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

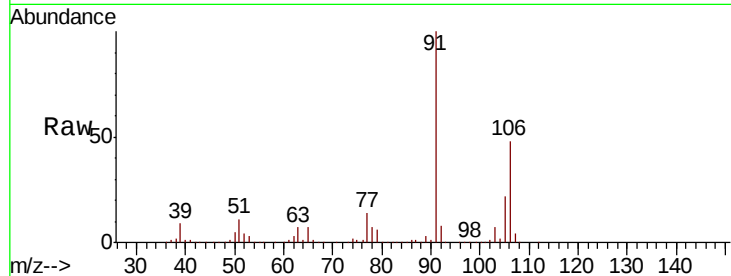
VSTD05074

Tot Ion:106 Resp: 224469

Ion Ratio Lower Upper

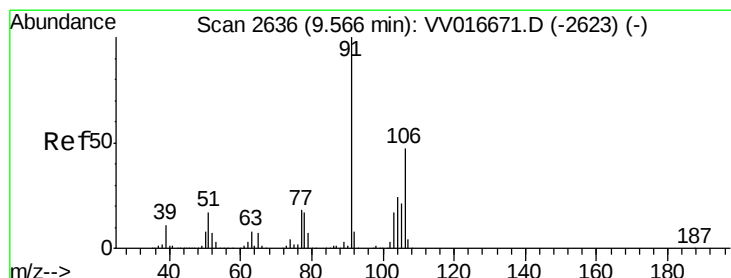
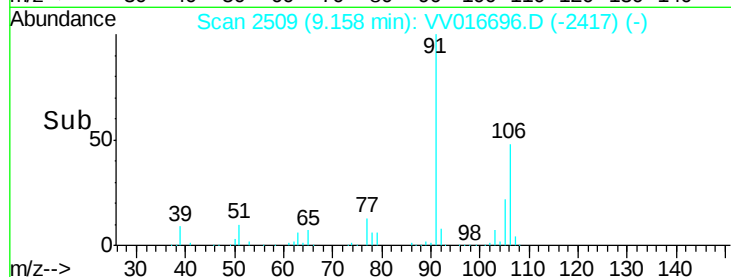
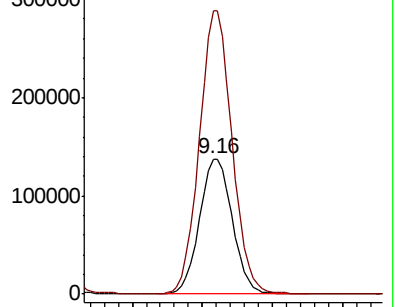
106 100

91 209.3 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 50.186 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016696.D

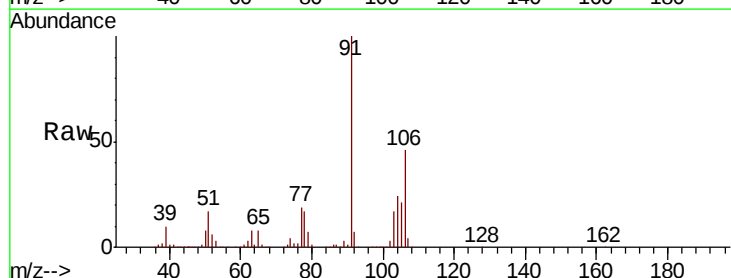
Acq: 09 Jun 2020 06:04

Tgt Ion:106 Resp: 218531

Ion Ratio Lower Upper

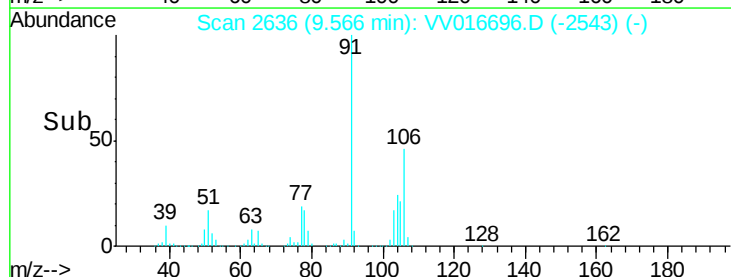
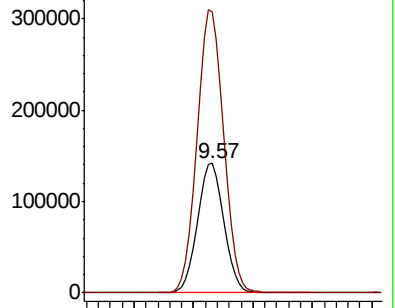
106 100

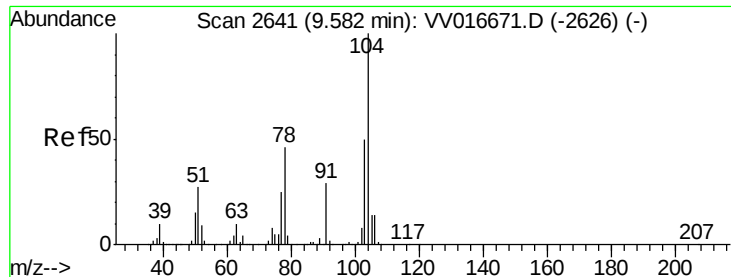
91 217.1 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 51.231 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

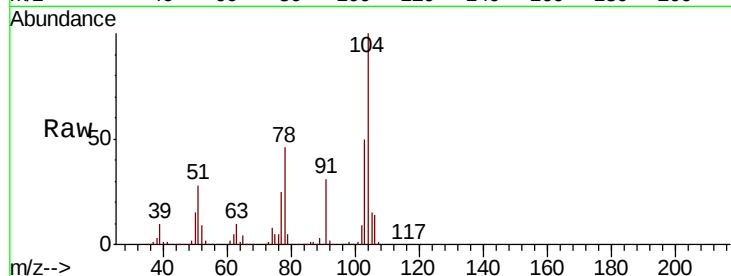
VSTD05074

Tot Ion:104 Resp: 377159

Ion Ratio Lower Upper

104 100

78 45.6 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

250000

200000

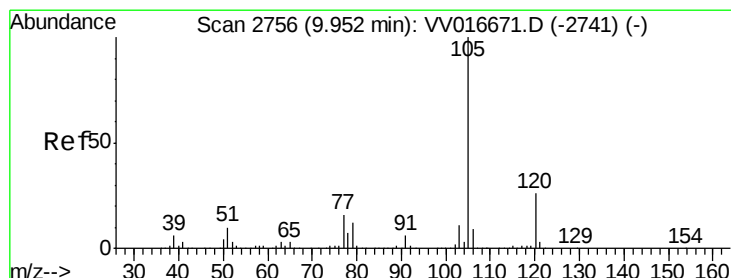
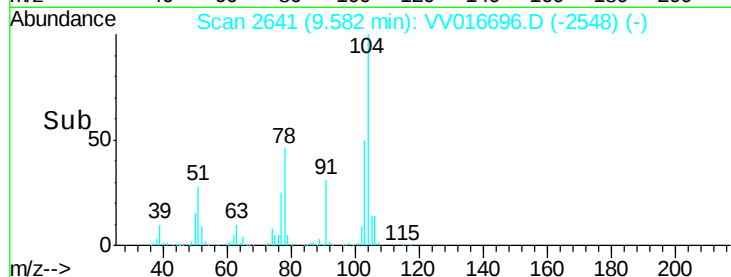
150000

100000

50000

0

Time-->



#56

Isopropylbenzene

Concen: 49.638 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

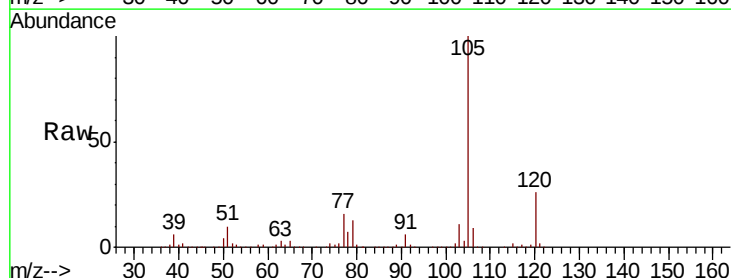
Tgt Ion:105 Resp: 580770

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

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): VV0

9.95

500000

400000

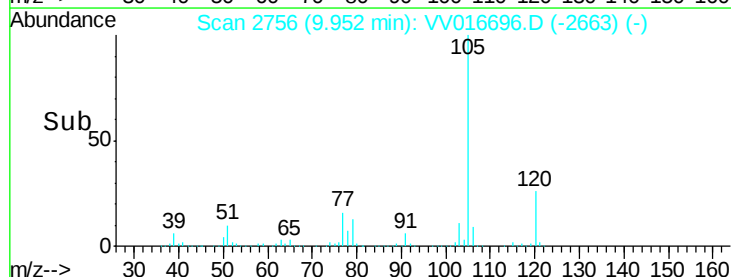
300000

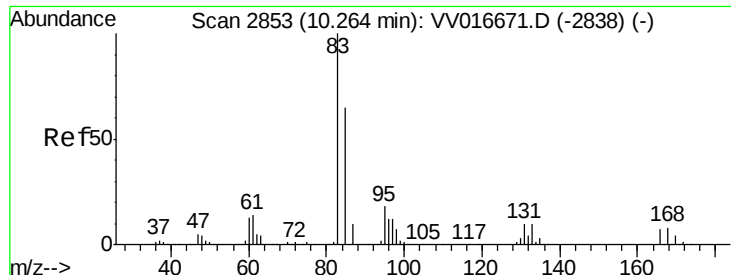
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 52.084 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

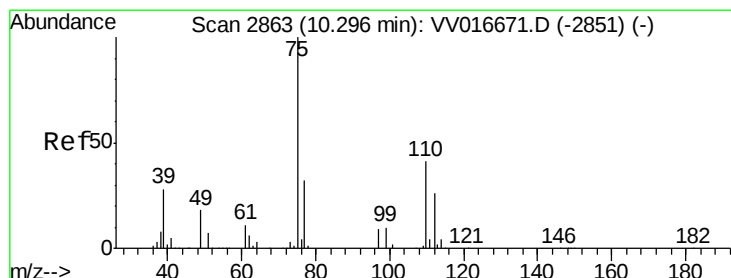
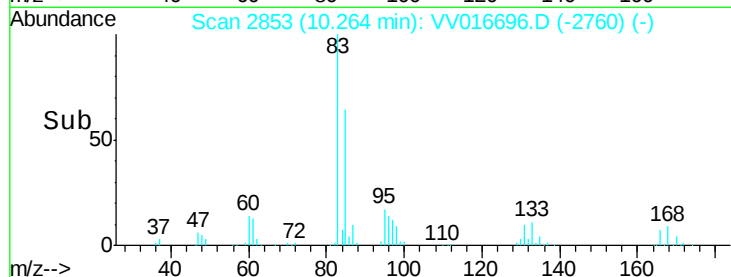
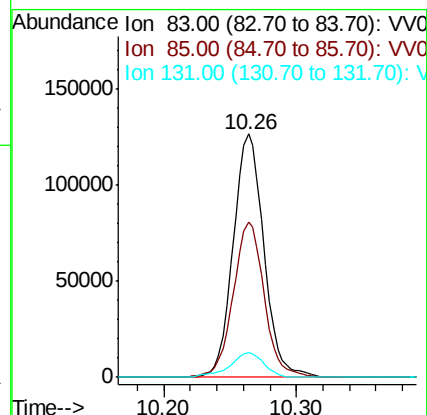
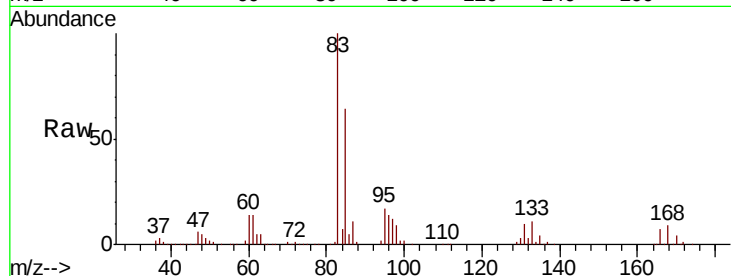
Tot Ion: 83 Resp: 203469

Ion Ratio Lower Upper

83 100

85 64.0 46.8 86.8

131 10.1 7.9 11.9



#59

1,2,3-Trichloropropane

Concen: 50.519 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016696.D

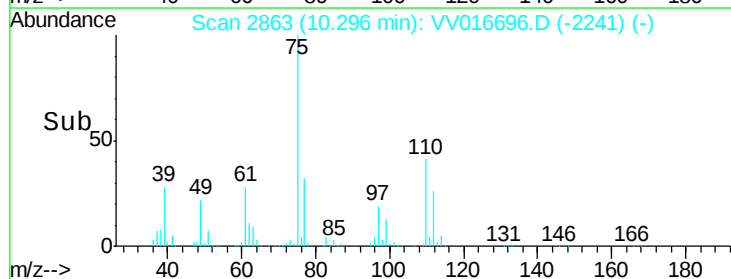
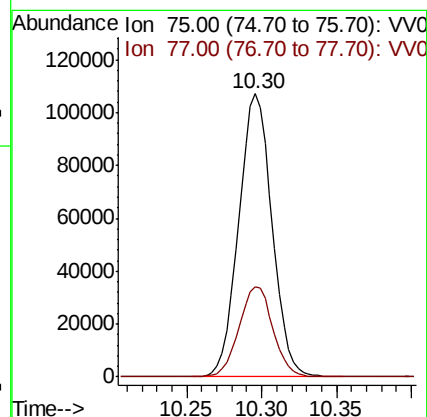
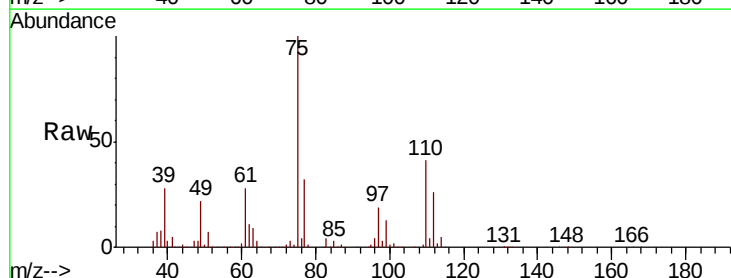
Acq: 09 Jun 2020 06:04

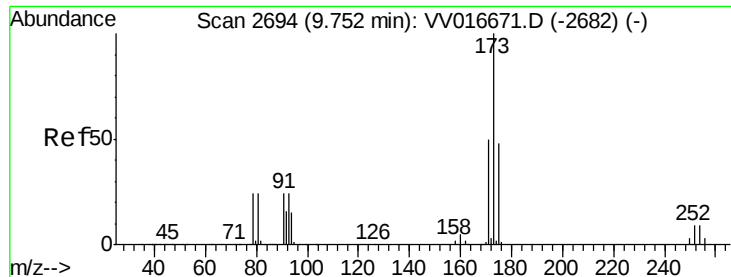
Tgt Ion: 75 Resp: 165537

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1





#61

Bromoform

Concen: 50.609 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

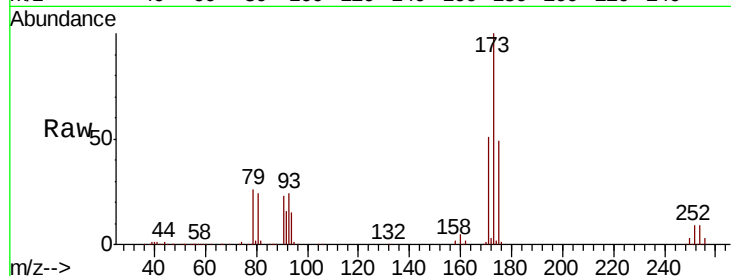
Tot Ion:173 Resp: 94830

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

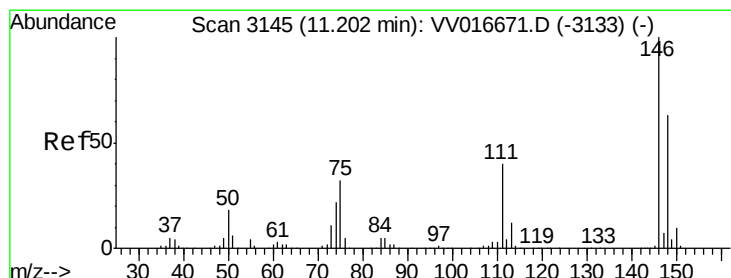
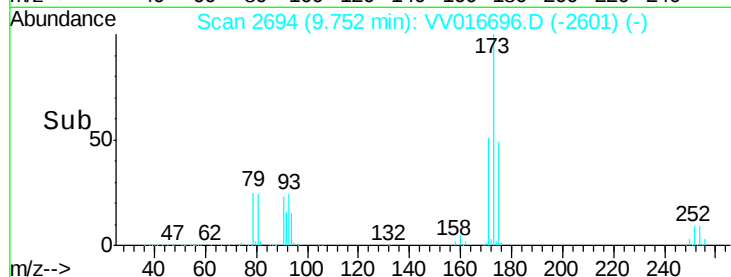
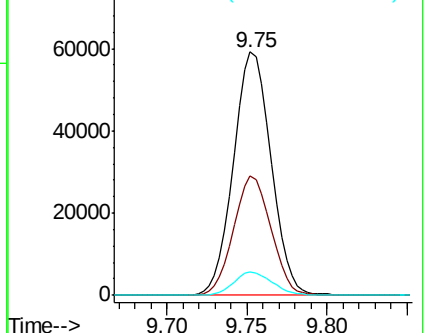
254 9.8 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 49.819 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

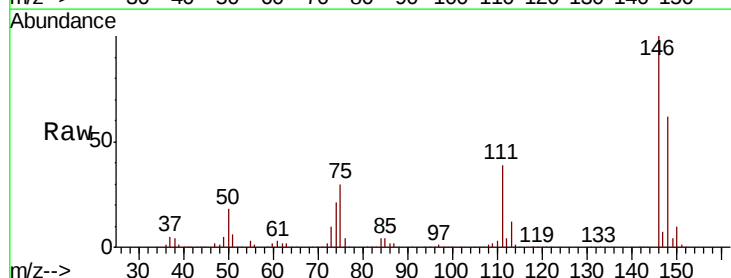
Tgt Ion:146 Resp: 287455

Ion Ratio Lower Upper

146 100

111 38.8 28.3 52.7

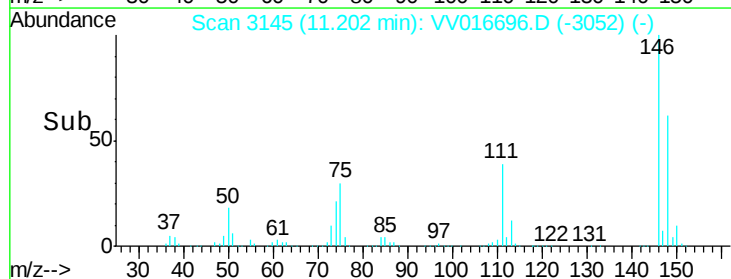
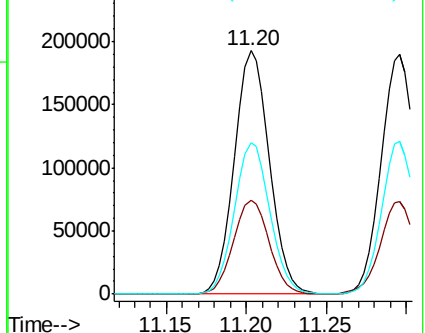
148 62.4 44.2 82.2

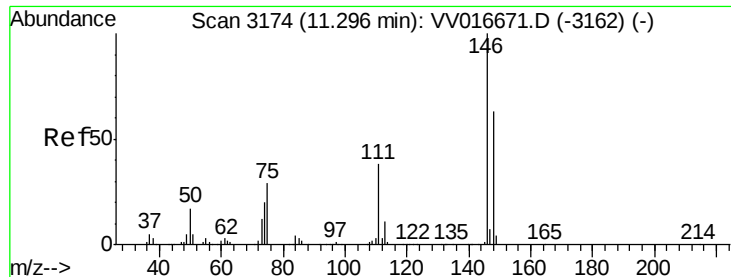


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

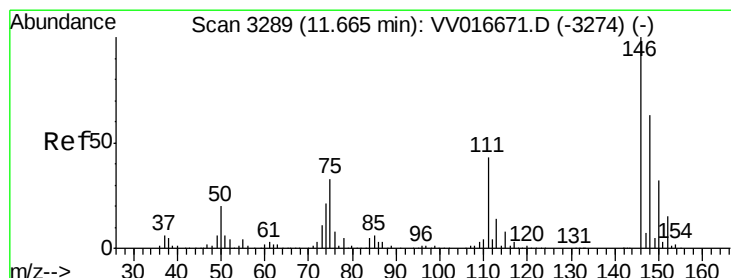
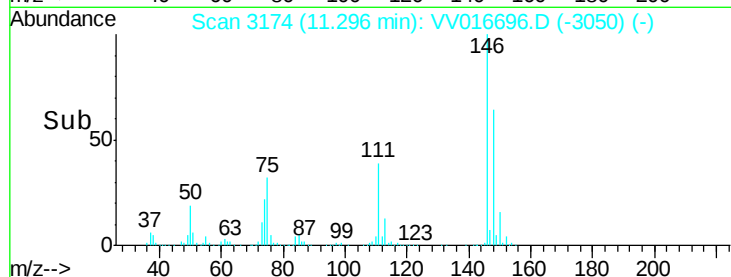
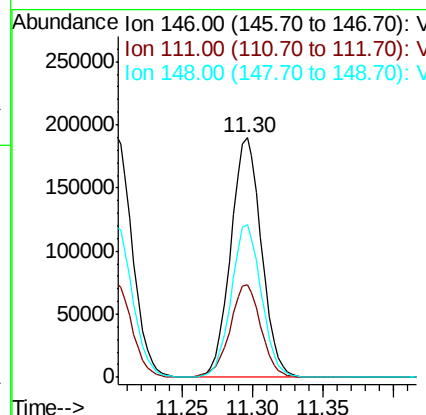
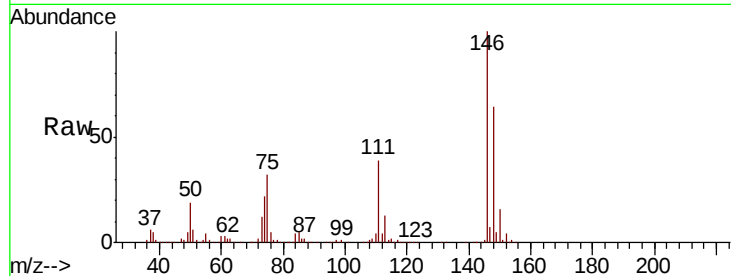




#63
1,4-Dichlorobenzene
Concen: 49.220 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

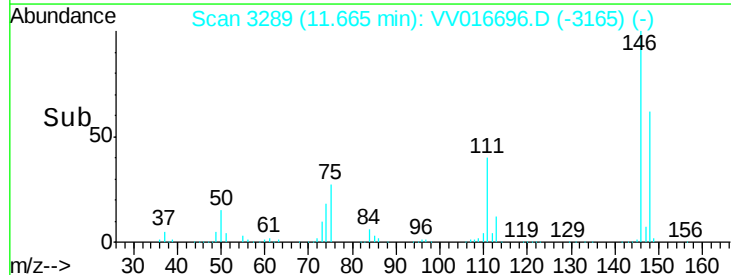
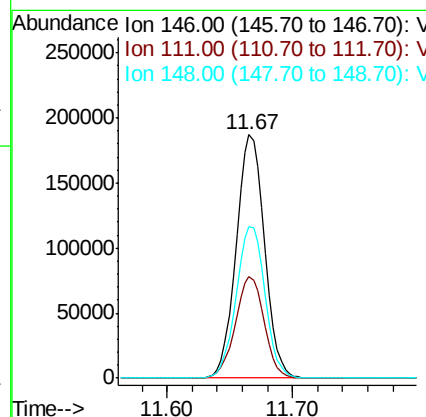
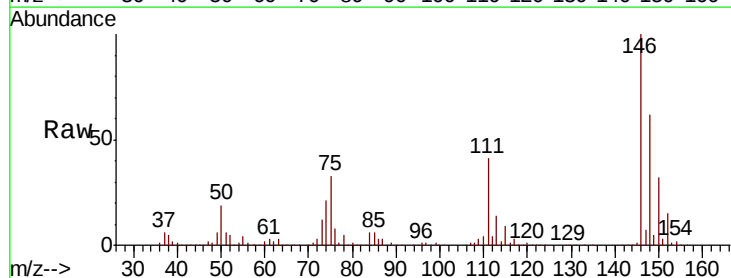
Instrument :
MSVOA_D
ClientSampleId :
VSTD05074

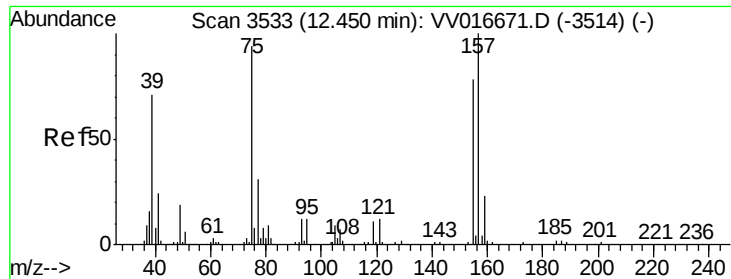
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.7	49.7
148	63.6	43.5	80.9



#65
1,2-Dichlorobenzene
Concen: 50.473 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV016696.D
Acq: 09 Jun 2020 06:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	33.7	50.5
148	62.1	50.7	76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 52.455 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

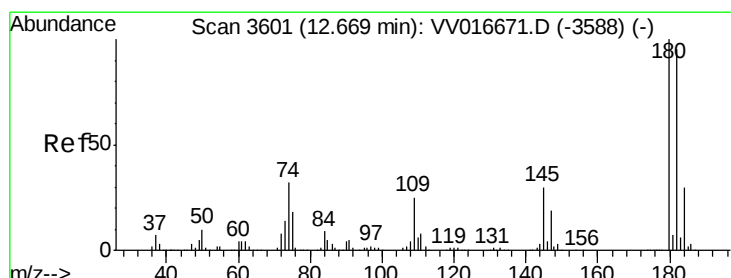
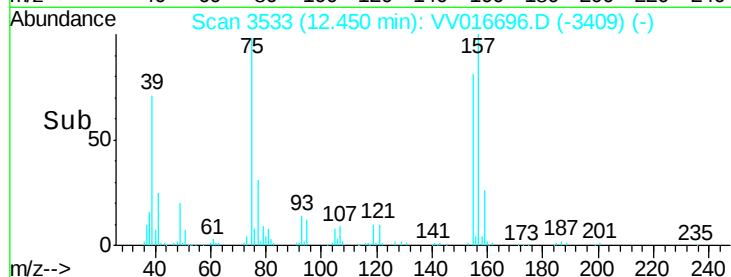
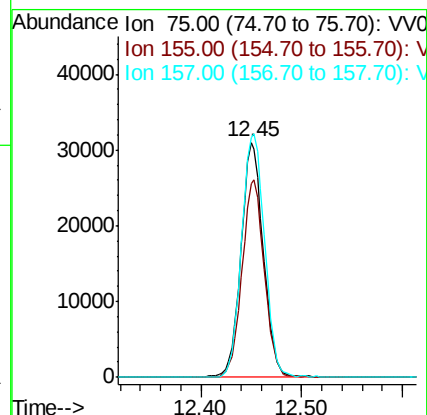
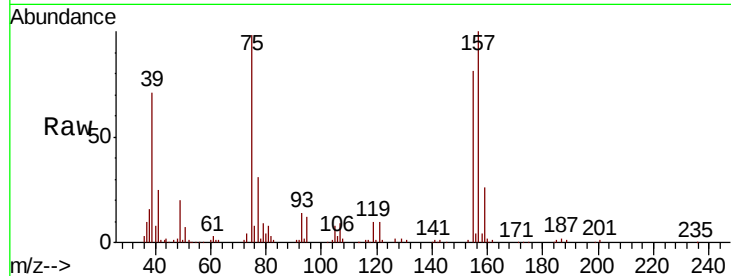
Tot Ion: 75 Resp: 47693

Ion Ratio Lower Upper

75 100

155 82.4 69.8 104.6

157 102.2 83.4 125.2



#67

1,3,5-Trichlorobenzene

Concen: 48.772 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Tgt Ion: 180 Resp: 209843

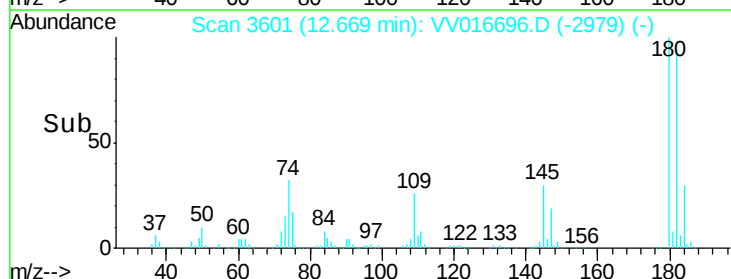
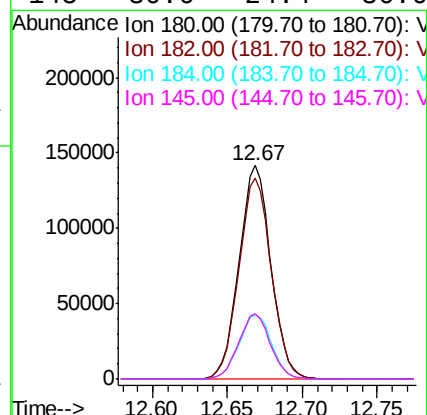
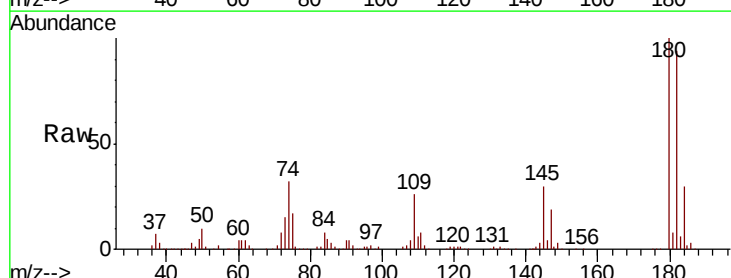
Ion Ratio Lower Upper

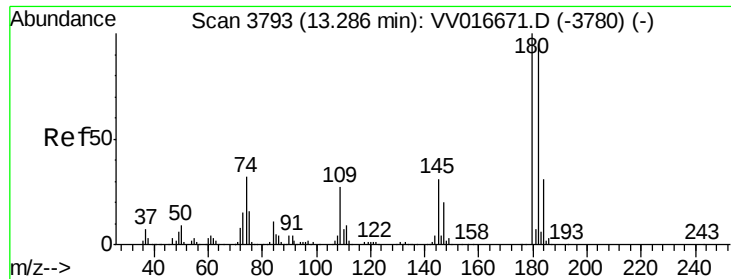
180 100

182 95.9 75.0 112.6

184 30.7 24.5 36.7

145 30.6 24.4 36.6

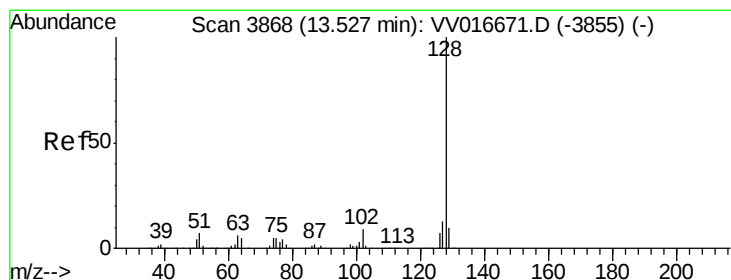
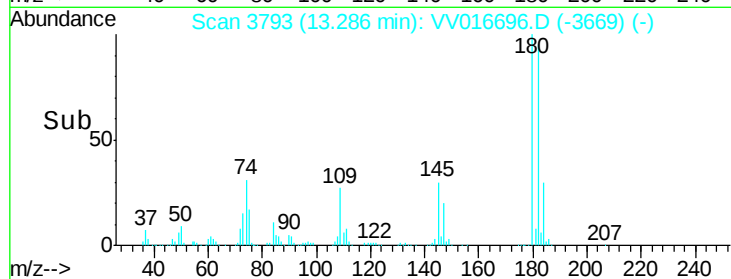
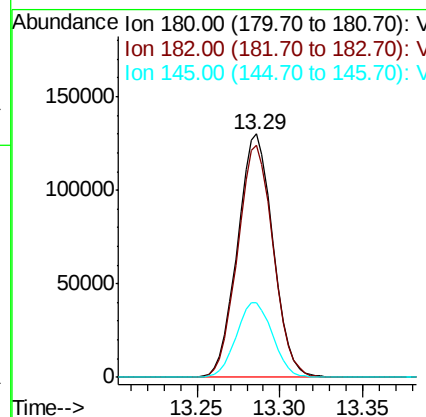
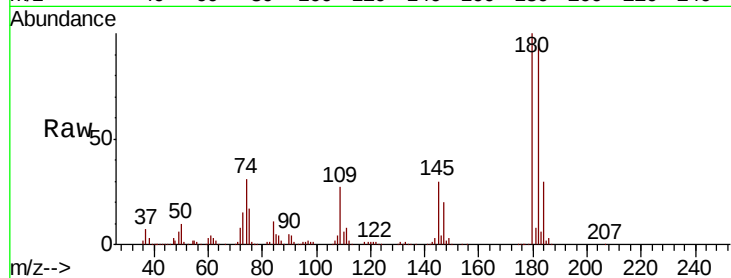




#68
 1,2,4-trichlorobenzene
 Concen: 49.142 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016696.D
 Acq: 09 Jun 2020 06:04

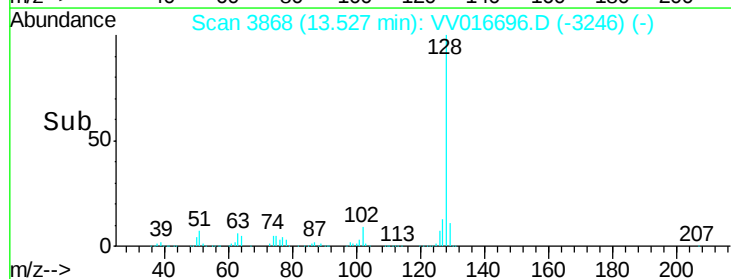
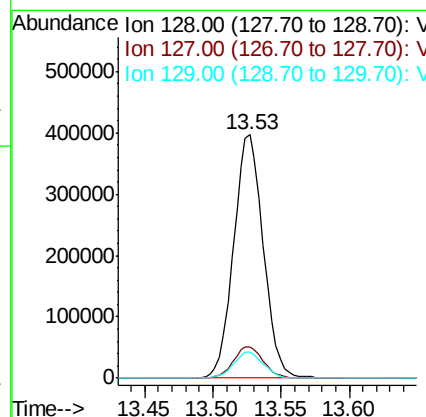
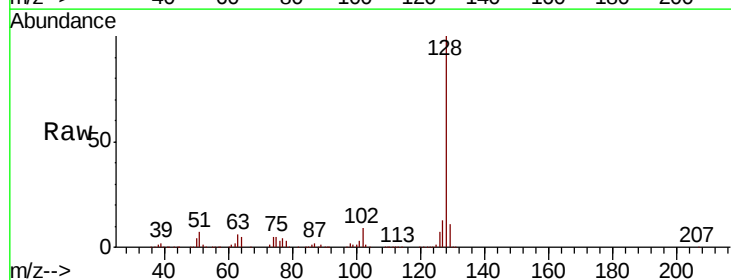
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05074

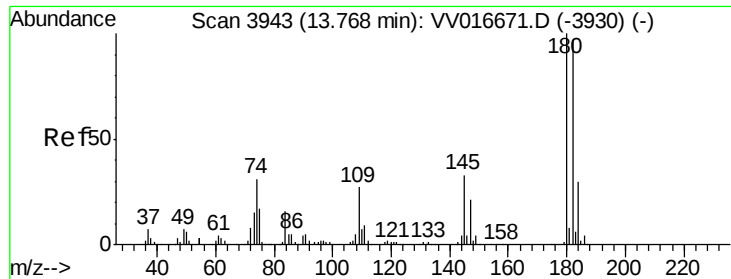
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	31.4	25.2	37.8



#69
 Naphthalene
 Concen: 52.672 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016696.D
 Acq: 09 Jun 2020 06:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1





#70

1,2,3-Trichlorobenzene

Concen: 49.748 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016696.D

Acq: 09 Jun 2020 06:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05074

Tot Ion:180 Resp: 192100

Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

145 32.0 26.1 39.1

