

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
 Data File : VV016720.D
 Acq On : 09 Jun 2020 16:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Jun 10 00:39:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 00:34:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	356481	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335544	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180451	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	90094	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.64%
7) Chloroethane-d5	1.57	69	71216	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.36%
11) 1,1-Dichloroethene-d2	2.12	63	179495	42.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.98%
21) 2-Butanone-d5	3.89	46	192679	103.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.49%
24) Chloroform-d	4.38	84	236121	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
26) 1,2-Dichloroethane-d4	5.05	65	163350	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
32) Benzene-d6	5.07	84	443763	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
36) 1,2-Dichloropropane-d6	6.09	67	138165	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.64%
41) Toluene-d8	7.34	98	408554	46.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.06%
43) trans-1,3-Dichloropropene-	7.64	79	70399	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.66%
47) 2-Hexanone-d5	8.11	63	140733	107.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198439	49.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	179323	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	136256	48.211	ug/L	99
3) Chloromethane	1.25	50	128489	49.714	ug/L	99
5) Vinyl chloride	1.32	62	114657	45.111	ug/L	98
6) Bromomethane	1.52	94	52332	49.437	ug/L	96
8) Chloroethane	1.59	64	65738	52.361	ug/L	98
9) Trichlorofluoromethane	1.76	101	182923	48.093	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88878	46.894	ug/L	99
12) 1,1-Dichloroethene	2.13	96	81805	46.236	ug/L	98
13) Acetone	2.17	43	113596	92.606	ug/L	98
14) Carbon disulfide	2.31	76	300666	46.935	ug/L	100
15) Methyl Acetate	2.44	43	140414	51.357	ug/L	98
16) Methylene chloride	2.52	84	125052	48.166	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	113441	47.025	ug/L	96
18) Methyl tert-butyl Ether	2.78	73	389943	48.783	ug/L	100
19) 1,1-Dichloroethane	3.21	63	220375	48.531	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	126664	48.162	ug/L	98
22) 2-Butanone	3.98	43	189796	100.336	ug/L	97

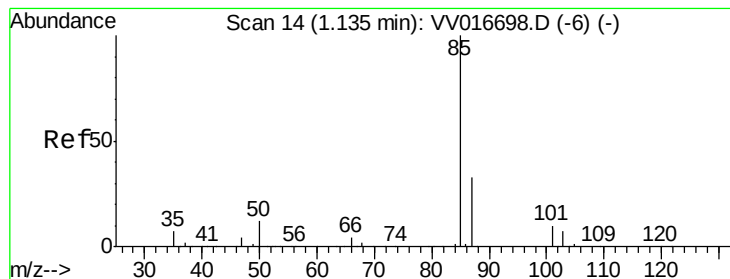
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 00:34:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66770	48.195	ug/L	96
25) Chloroform	4.40	83	228507	48.966	ug/L	97
27) 1,2-Dichloroethane	5.15	62	190790	48.770	ug/L	98
29) Cyclohexane	4.70	56	197629	47.397	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	210320	49.150	ug/L	100
31) Carbon tetrachloride	4.86	117	180449	48.745	ug/L	100
33) Benzene	5.13	78	478983	48.247	ug/L	100
34) Trichloroethene	5.94	95	125568	47.160	ug/L	99
35) Methylcyclohexane	6.15	83	196697	47.090	ug/L	100
37) 1,2-Dichloropropane	6.20	63	126193	48.878	ug/L	100
38) Bromodichloromethane	6.53	83	165920	48.277	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	190518	47.506	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	387145	105.822	ug/L	99
42) Toluene	7.41	91	515341	49.241	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	190810	48.939	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	120893	48.535	ug/L	98
46) Tetrachloroethene	8.00	164	101626	48.530	ug/L	98
48) 2-Hexanone	8.16	43	297232	104.783	ug/L	98
49) Dibromochloromethane	8.27	129	129941	48.790	ug/L	98
50) 1,2-Dibromoethane	8.37	107	132712	50.878	ug/L	96
51) Chlorobenzene	8.90	112	338498	49.574	ug/L	99
52) Ethylbenzene	9.03	91	579429	49.984	ug/L	99
53) m,p-Xylene	9.16	106	217128	50.306	ug/L	99
54) o-xylene	9.57	106	214709	50.439	ug/L	96
55) Styrene	9.58	104	369633	51.359	ug/L	99
56) Isopropylbenzene	9.95	105	583908	51.050	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	198431	51.958	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	161374	50.377	ug/L	99
61) Bromoform	9.75	173	85567	46.101	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	276496	48.377	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	277629	47.741	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	280140	48.909	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	45008	49.974	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	200653	47.080	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	184560	47.211	ug/L	99
69) Naphthalene	13.52	128	573578	51.008	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	187505	49.021	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.211 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

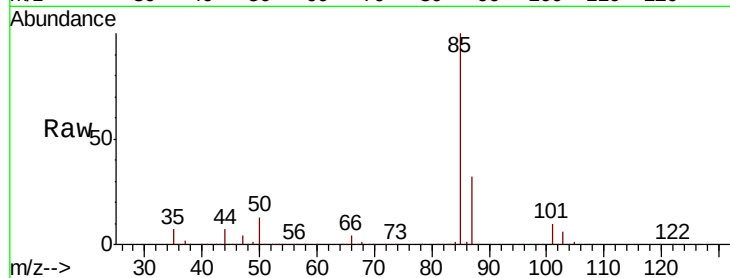
VSTD05076

Tot Ion: 85 Resp: 136256

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016698.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV016698.D (-6) (-)

1.14

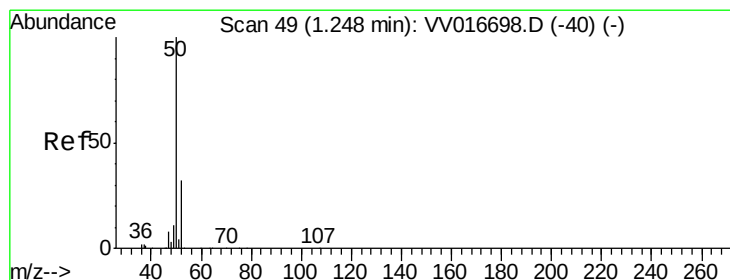
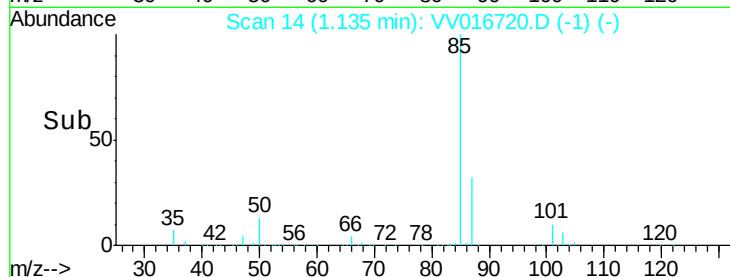
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.714 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016720.D

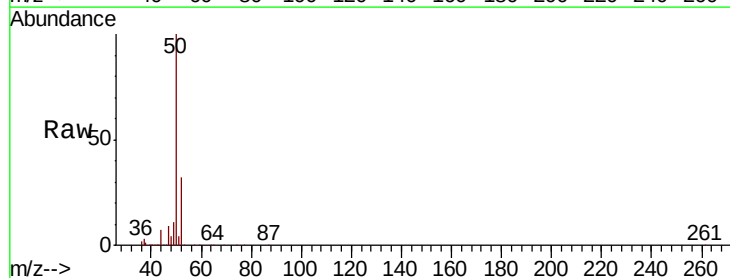
Acq: 09 Jun 2020 16:26

Tgt Ion: 50 Resp: 128489

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016698.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV016698.D (-40) (-)

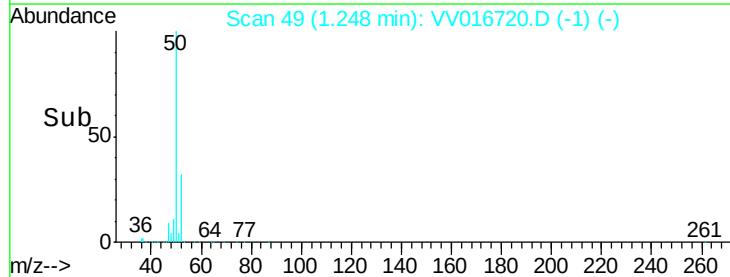
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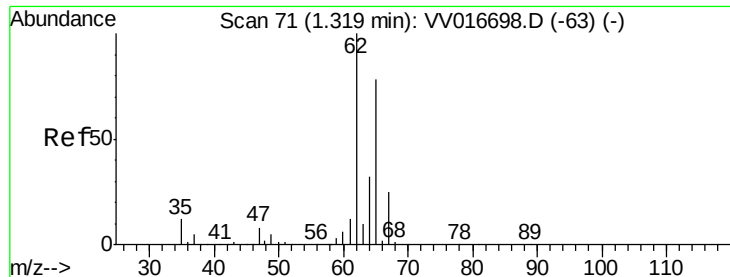
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.111 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

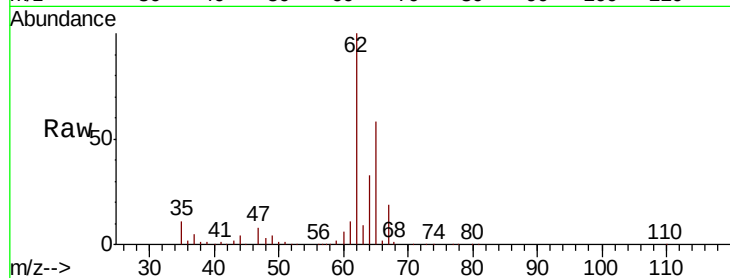
VSTD05076

Tot Ion: 62 Resp: 114657

Ion Ratio Lower Upper

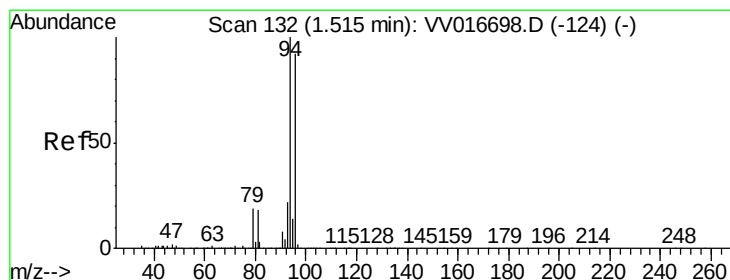
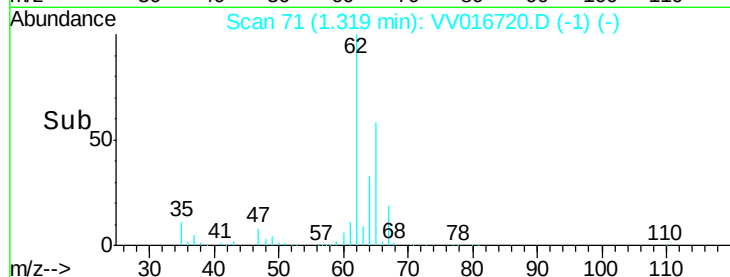
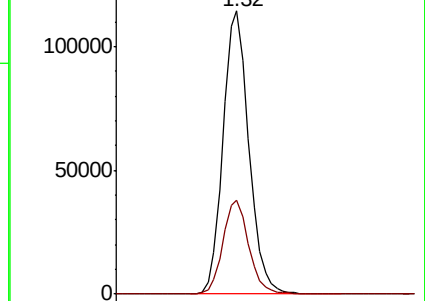
62 100

64 33.0 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: 49.437 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.01 min

Lab File: VV016720.D

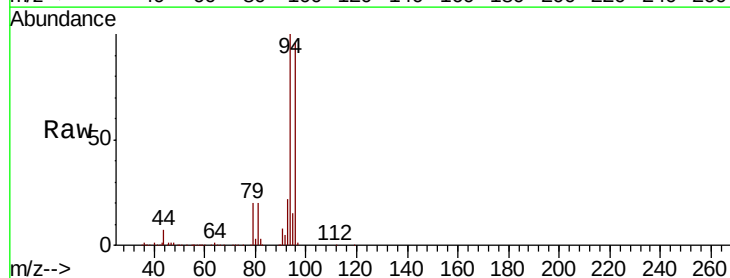
Acq: 09 Jun 2020 16:26

Tgt Ion: 94 Resp: 52332

Ion Ratio Lower Upper

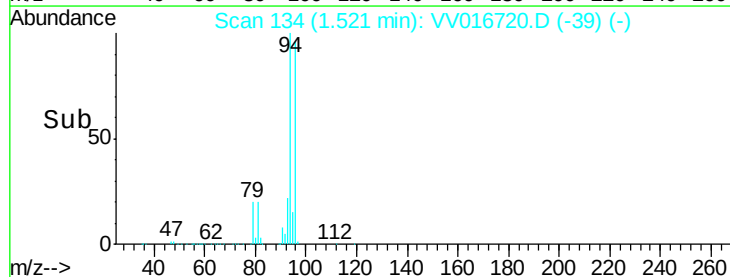
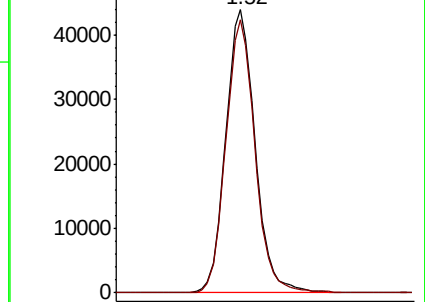
94 100

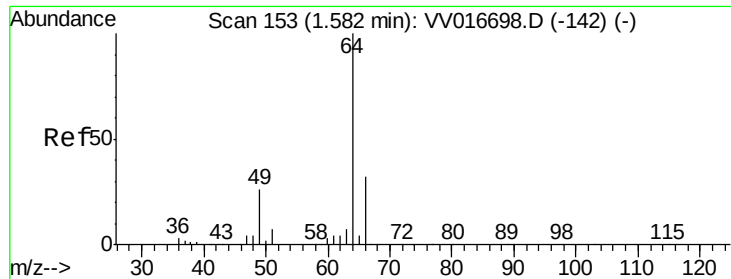
96 96.4 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 52.361 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.01 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

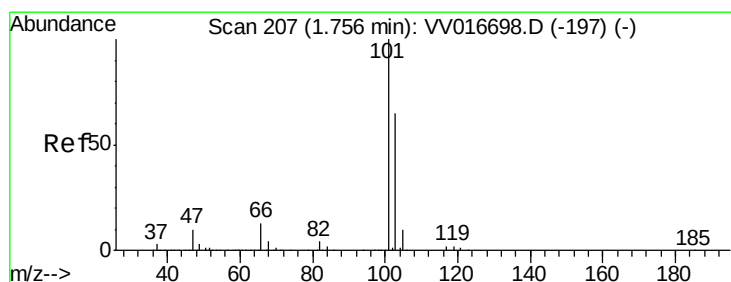
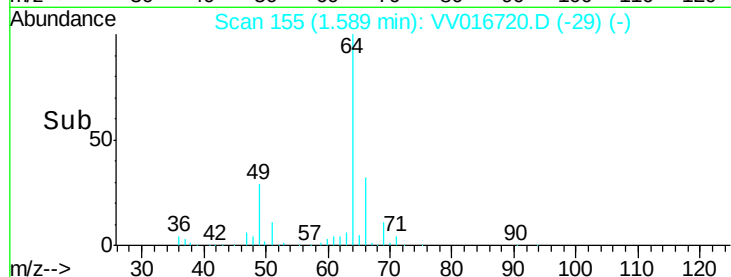
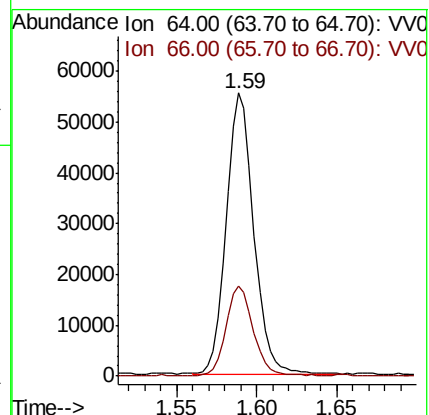
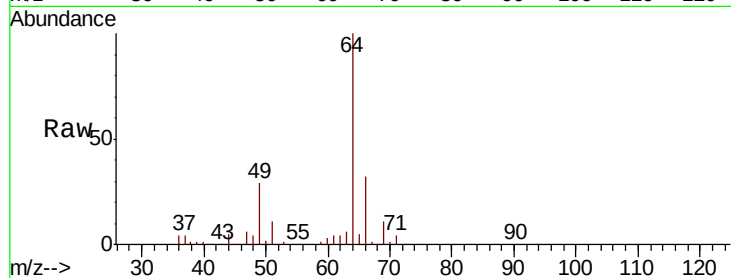
VSTD05076

Tot Ion: 64 Resp: 65738

Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.0



#9

Trichlorofluoromethane

Concen: 48.093 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV016720.D

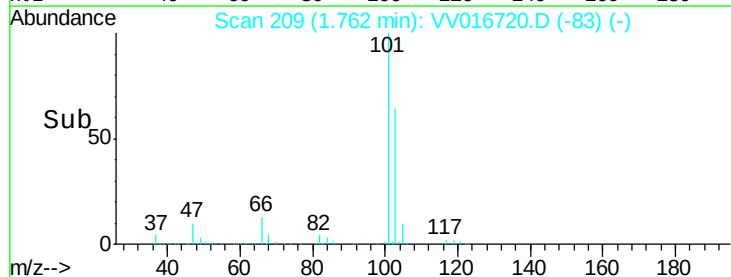
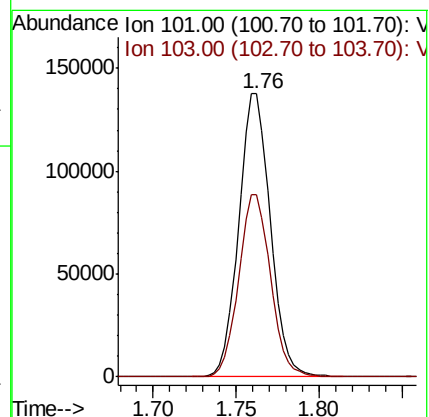
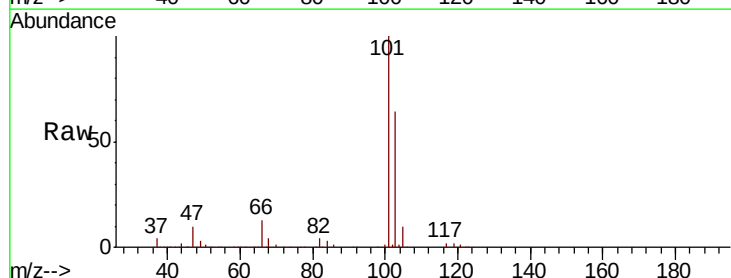
Acq: 09 Jun 2020 16:26

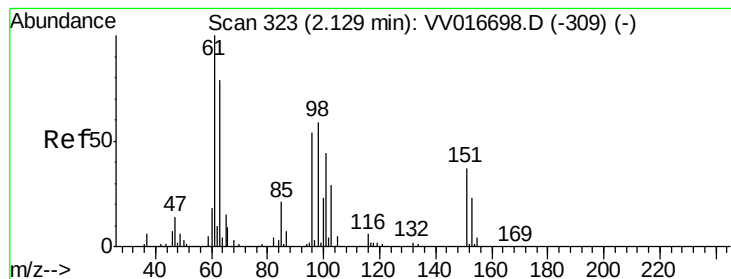
Tgt Ion: 101 Resp: 182923

Ion Ratio Lower Upper

101 100

103 64.9 51.3 76.9





#10

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

Concen: 46.894 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

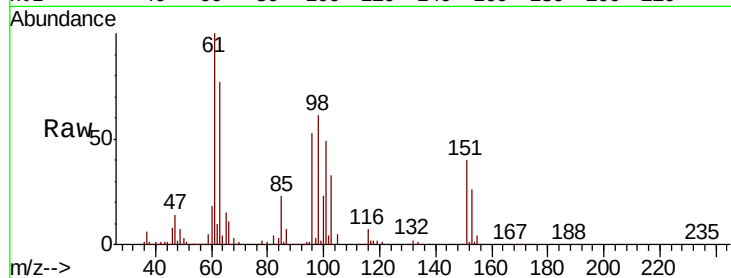
Tot Ion:101 Resp: 88878

Ion Ratio Lower Upper

101 100

85 45.7 35.5 53.3

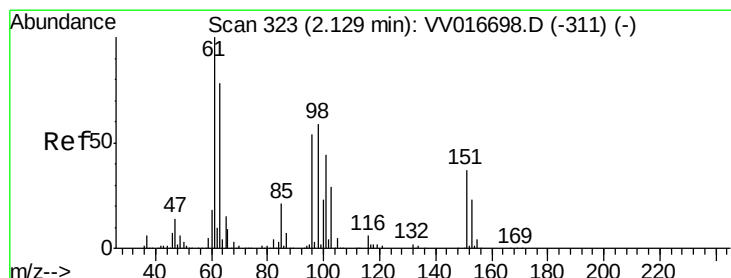
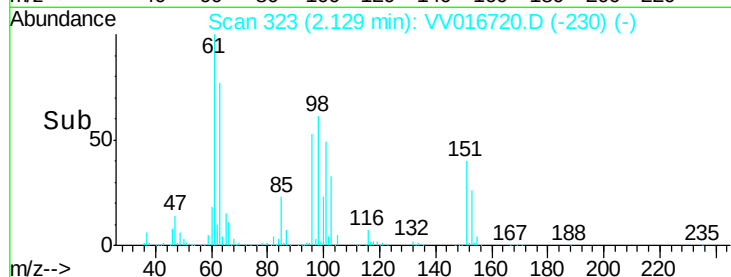
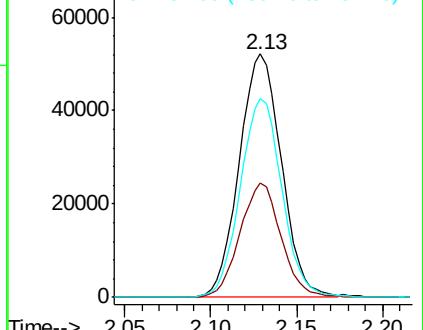
151 80.6 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.236 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

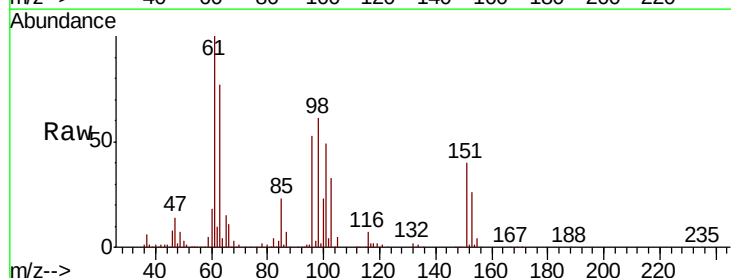
Tgt Ion: 96 Resp: 81805

Ion Ratio Lower Upper

96 100

61 190.0 130.4 242.2

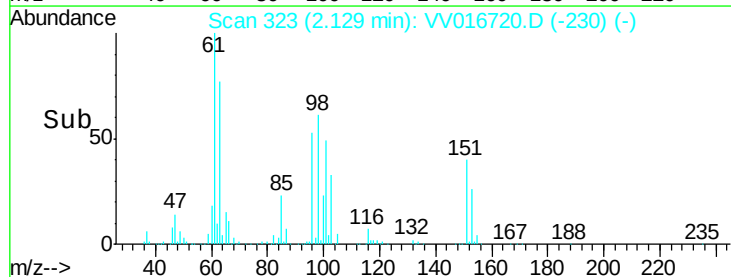
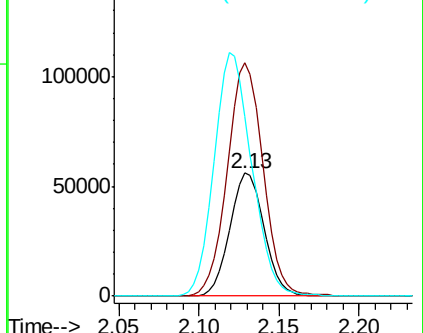
63 146.0 103.3 191.9

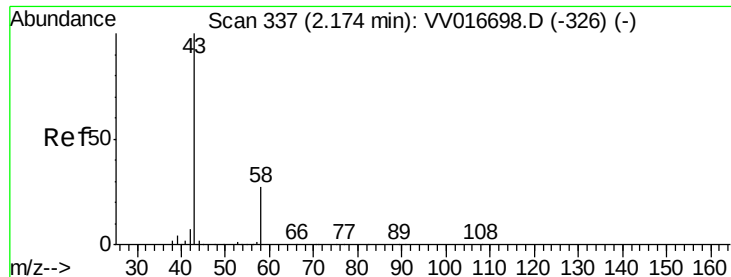


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 92.606 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

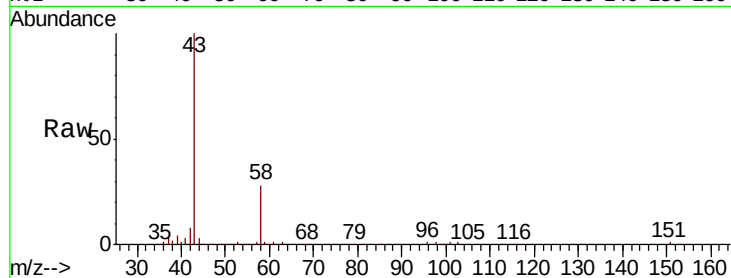
VSTD05076

Tot Ion: 43 Resp: 113596

Ion Ratio Lower Upper

43 100

58 28.6 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016698.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV016698.D (-326) (-)

2.17

80000

60000

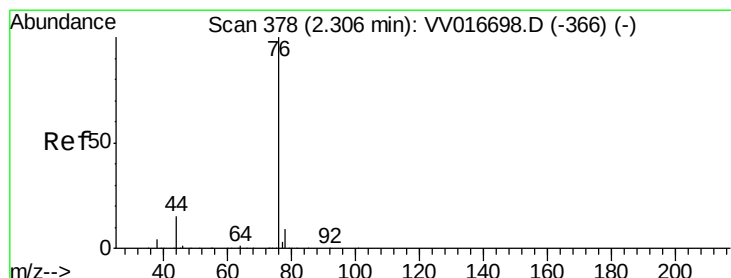
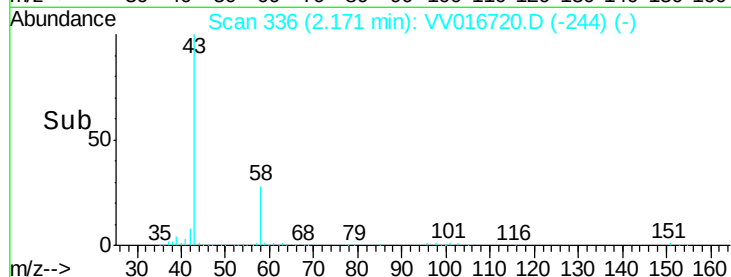
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20000

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Time-->

2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 46.935 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016720.D

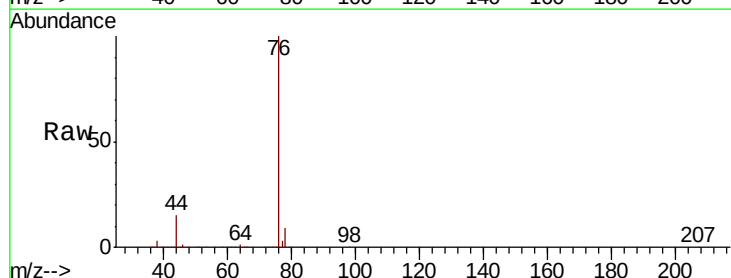
Acq: 09 Jun 2020 16:26

Tgt Ion: 76 Resp: 300666

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016698.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV016698.D (-366) (-)

2.31

200000

150000

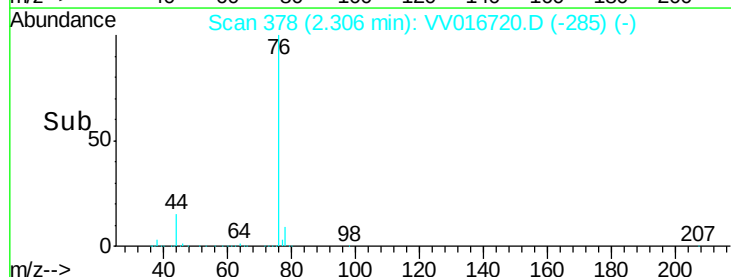
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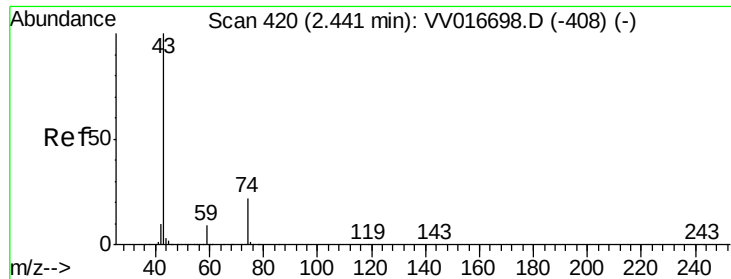
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Time-->

2.25 2.30 2.35 2.40

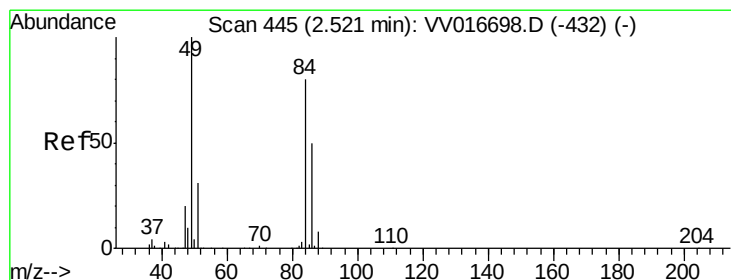
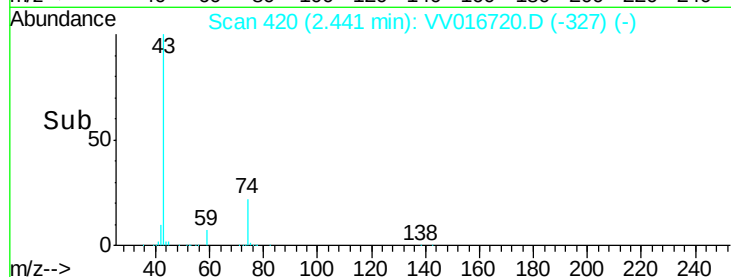
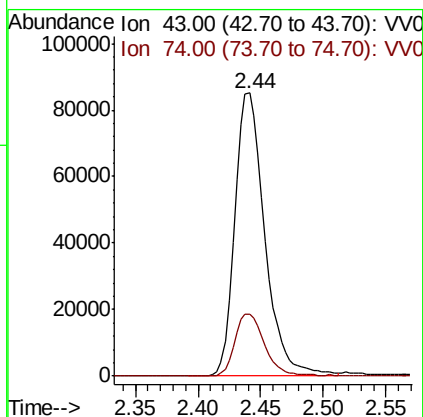
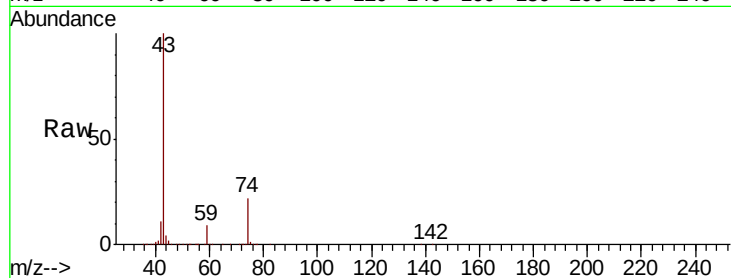




#15
Methvl Acetate
Concen: 51.357 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

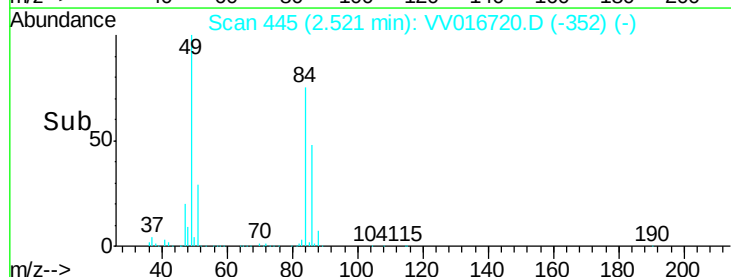
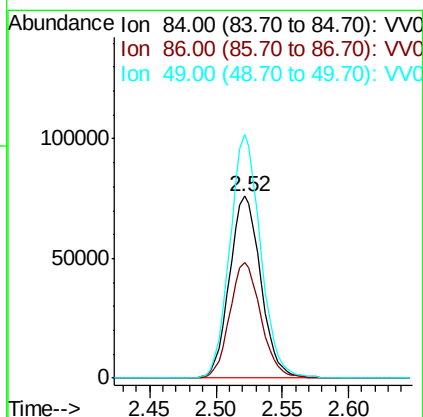
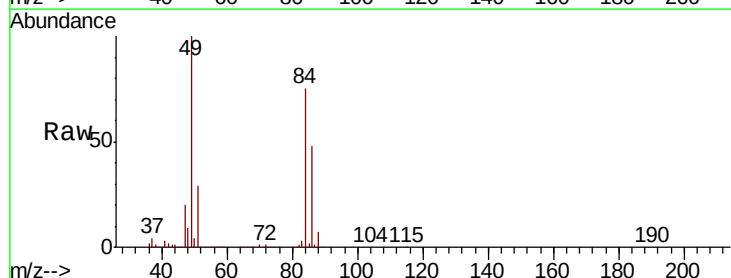
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

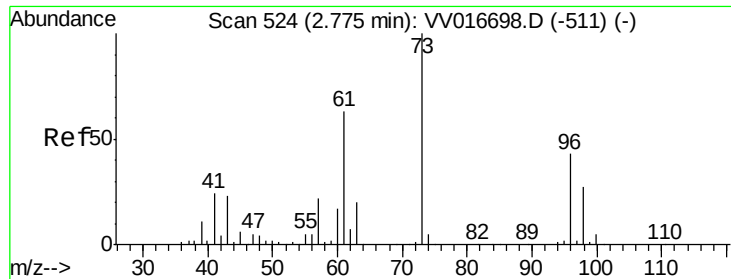
Tot Ion: 43 Resp: 140414
Ion Ratio Lower Upper
43 100
74 21.7 17.9 26.9



#16
Methylene chloride
Concen: 48.166 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion: 84 Resp: 125052
Ion Ratio Lower Upper
84 100
86 63.7 44.0 81.8
49 133.8 90.9 168.9

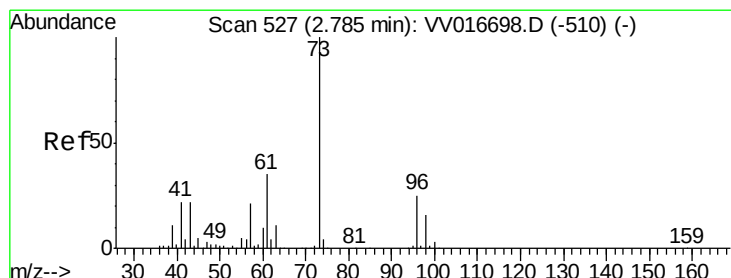
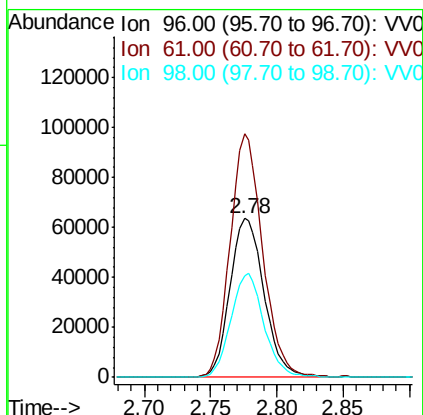
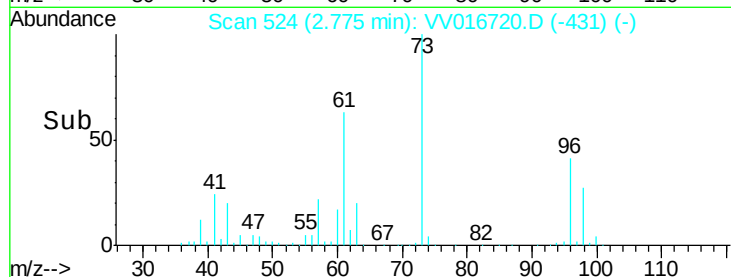
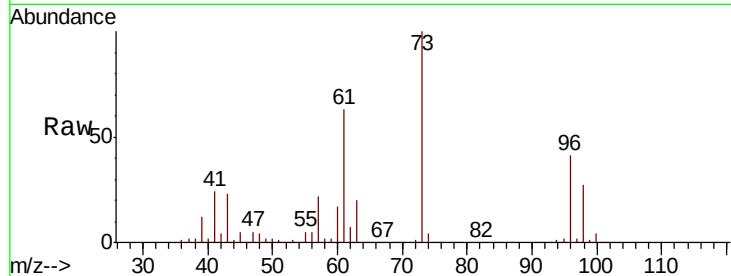




#17
trans-1,2-Dichloroethene
Concen: 47.025 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

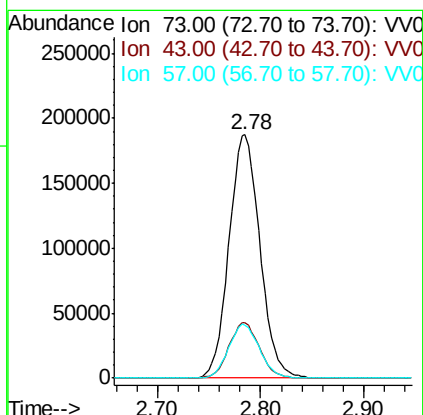
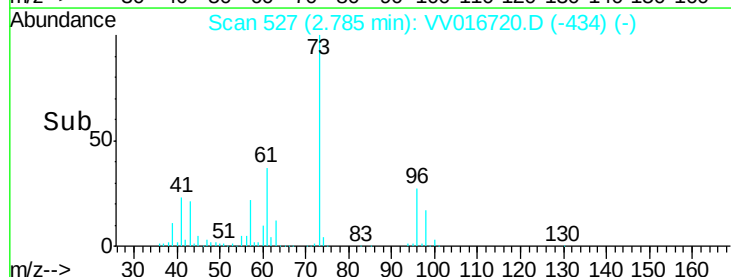
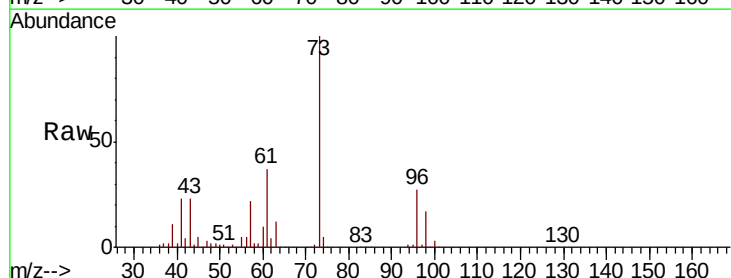
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

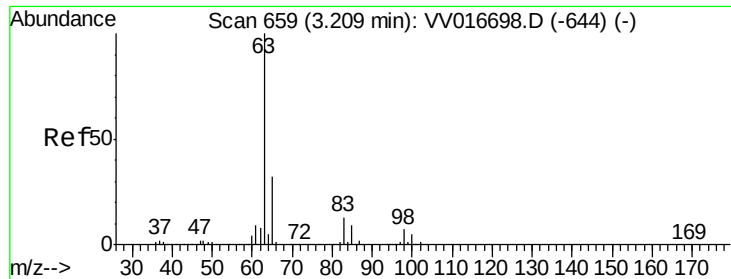
Tot Ion: 96 Resp: 113441
Ion Ratio Lower Upper
96 100
61 153.4 102.9 191.1
98 64.4 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 48.783 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion: 73 Resp: 389943
Ion Ratio Lower Upper
73 100
43 22.5 17.8 26.6
57 22.1 17.7 26.5

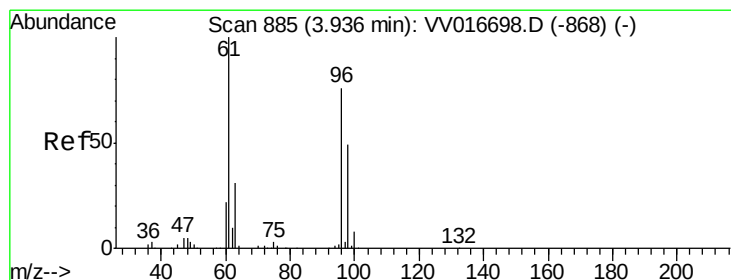
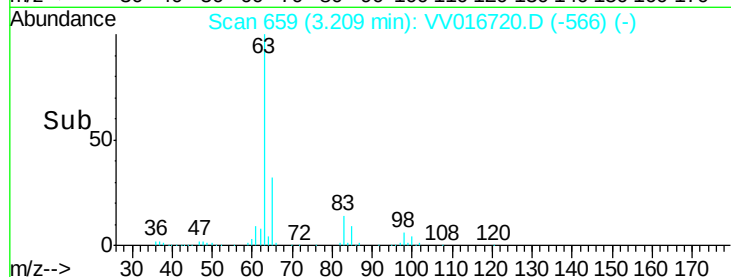
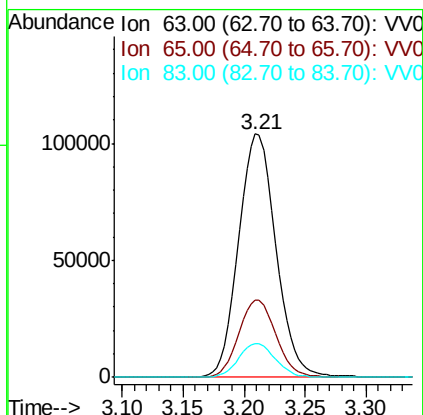
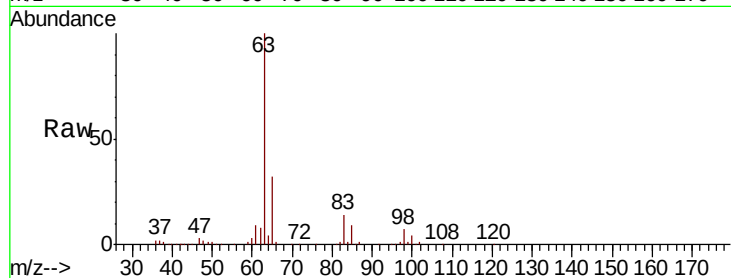




#19
 1,1-Dichloroethane
 Concen: 48.531 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

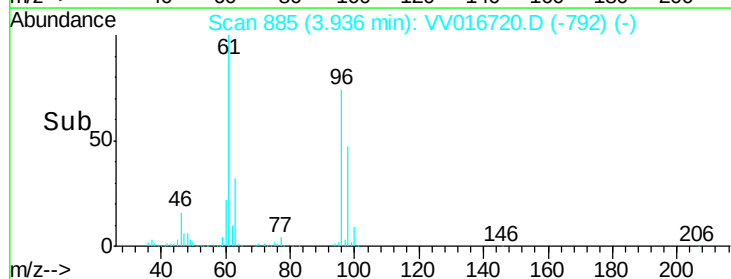
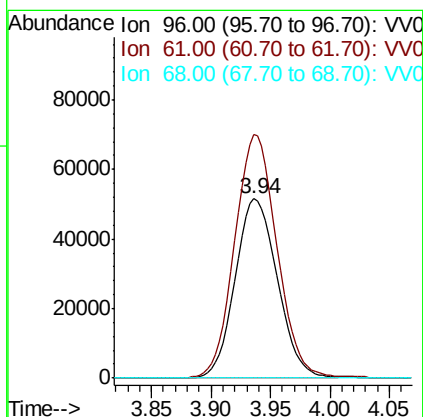
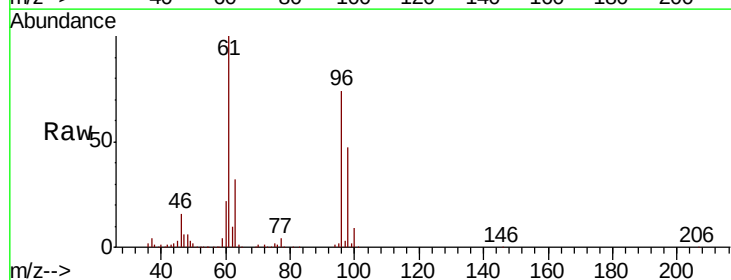
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05076

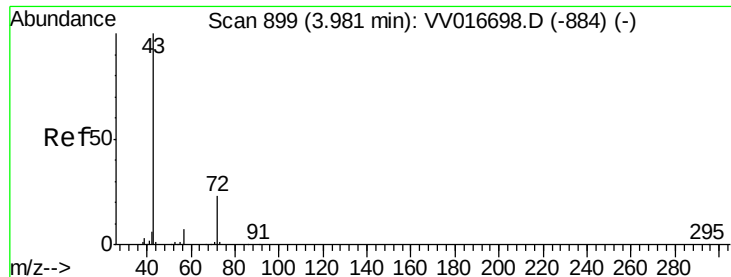
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.2	43.0
83	13.9	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.162 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.8	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 100.336 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

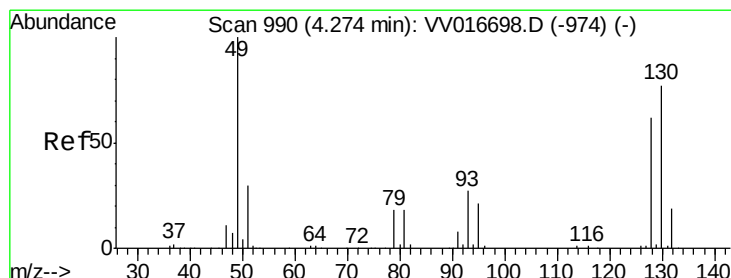
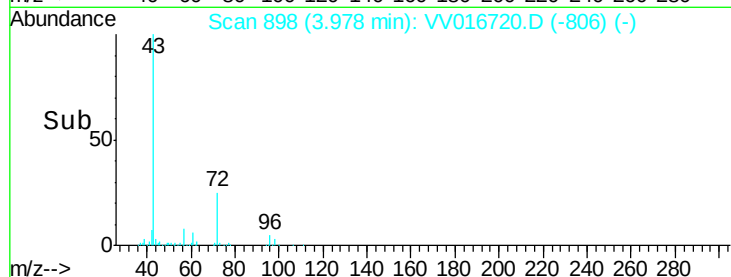
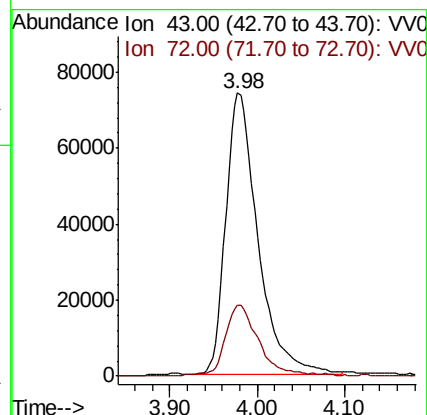
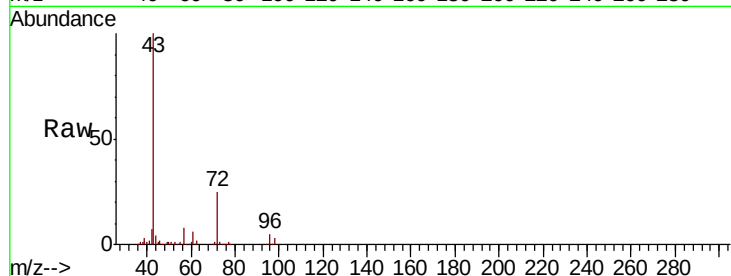
VSTD05076

Tot Ion: 43 Resp: 189796

Ion Ratio Lower Upper

43 100

72 26.2 12.4 37.4



#23

Bromochloromethane

Concen: 48.195 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Tgt Ion: 128 Resp: 66770

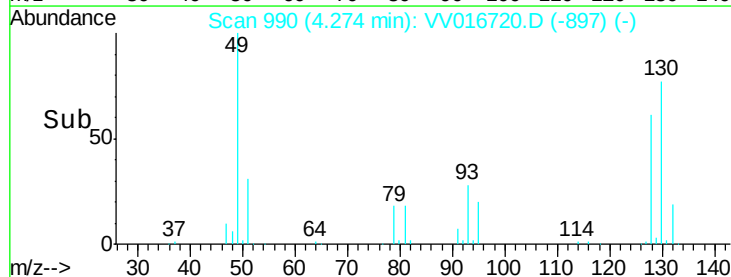
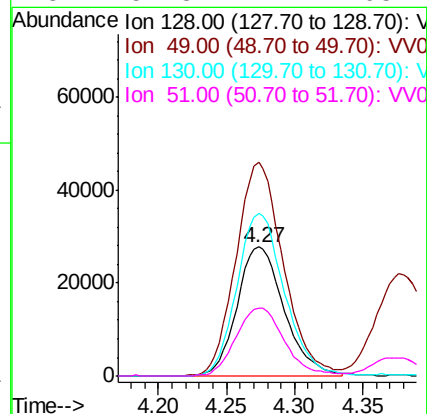
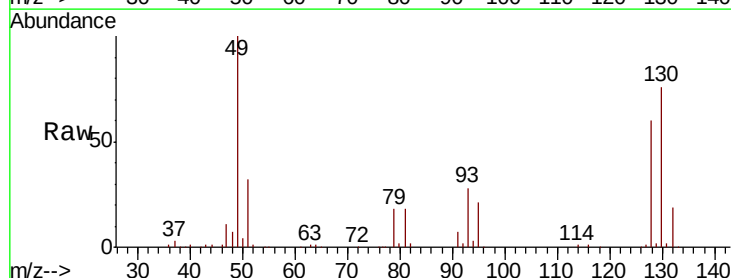
Ion Ratio Lower Upper

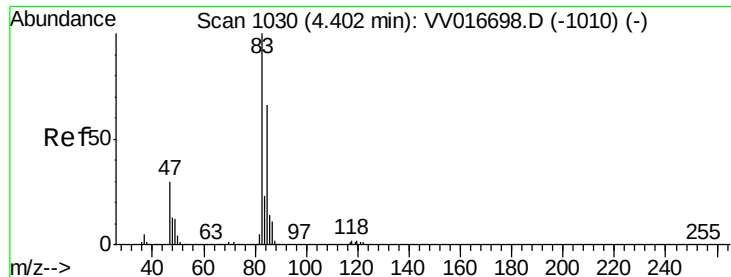
128 100

49 165.7 111.9 207.9

130 125.8 91.5 169.9

51 52.8 42.1 63.1





#25

Chloroform

Concen: 48.966 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

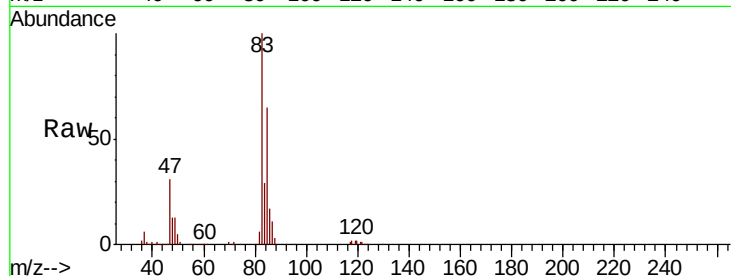
VSTD05076

Tot Ion: 83 Resp: 228507

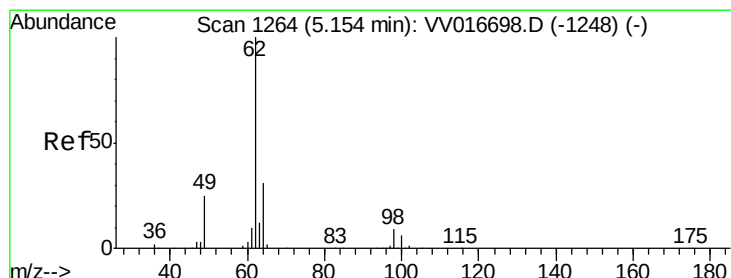
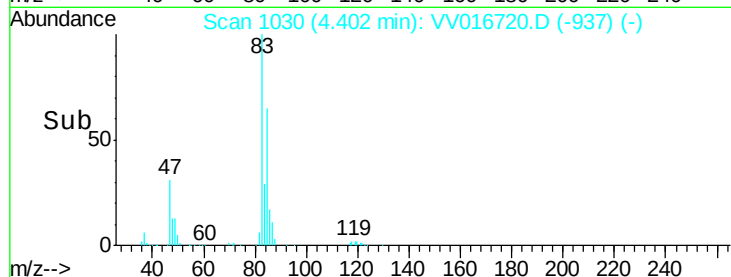
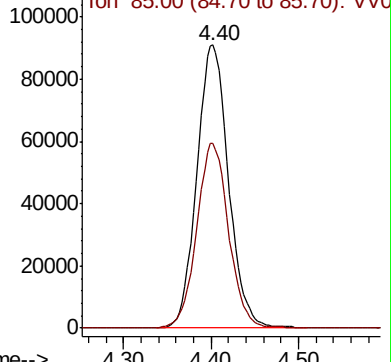
Ion Ratio Lower Upper

83 100

85 65.4 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV016720.D (-937) (-)



#27

1,2-Dichloroethane

Concen: 48.770 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016720.D

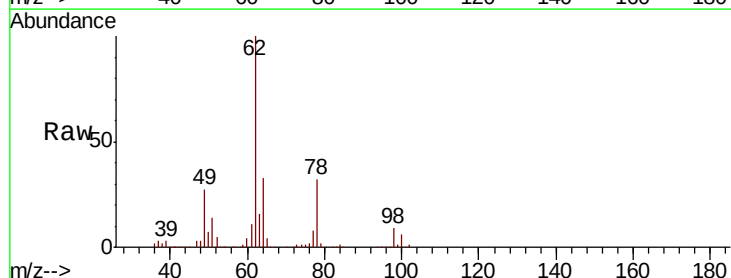
Acq: 09 Jun 2020 16:26

Tgt Ion: 62 Resp: 190790

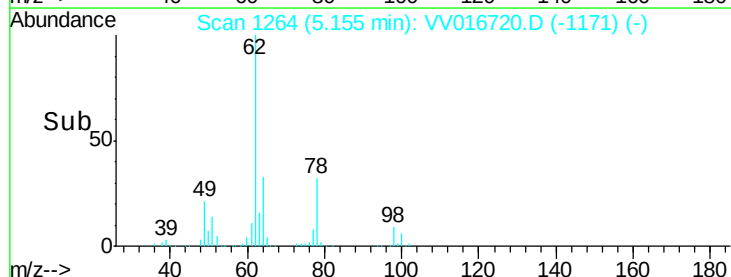
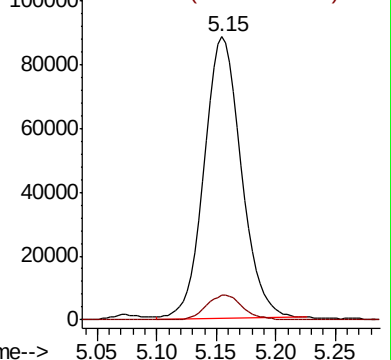
Ion Ratio Lower Upper

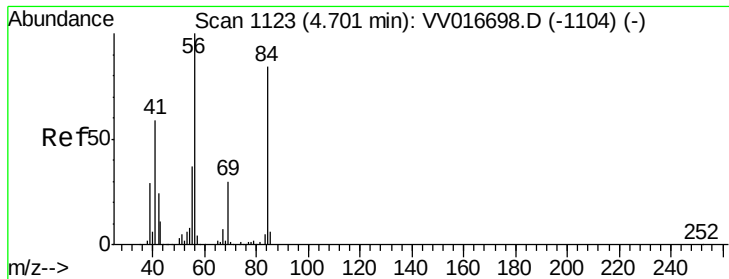
62 100

98 8.7 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016720.D (-1171) (-)





#29

Cyclohexane

Concen: 47.397 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

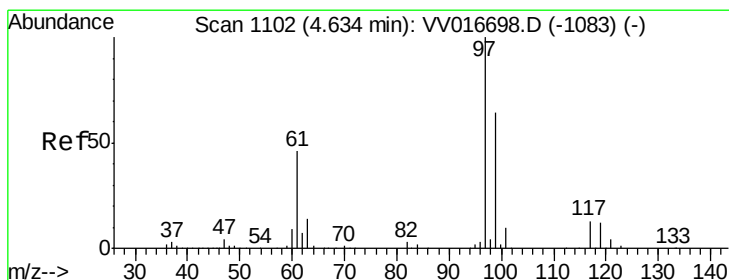
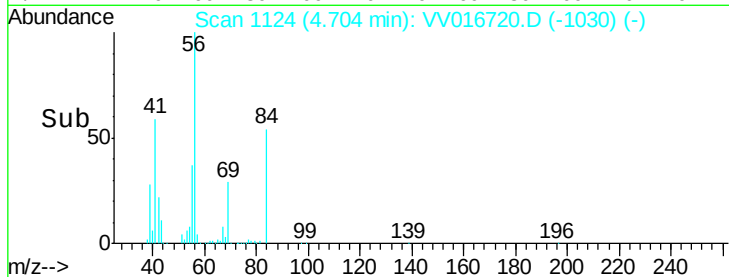
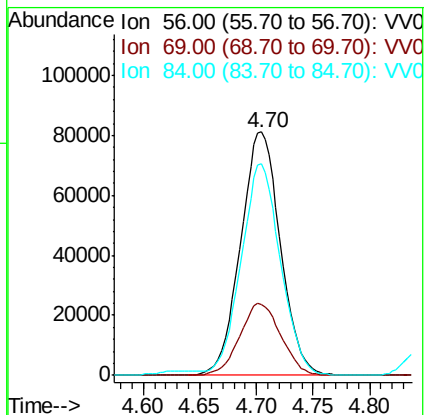
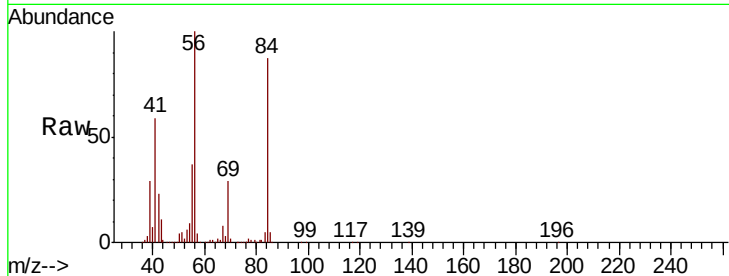
Tot Ion: 56 Resp: 197629

Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.4

84 85.2 69.5 104.3



#30

1,1,1-Trichloroethane

Concen: 49.150 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

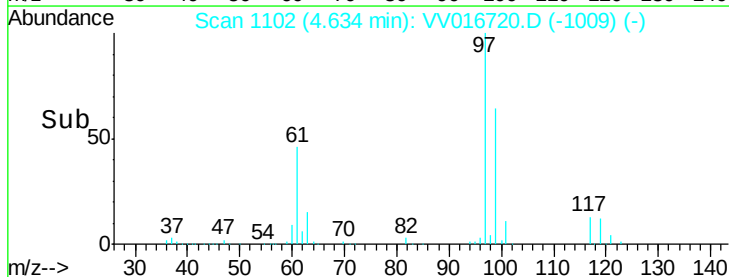
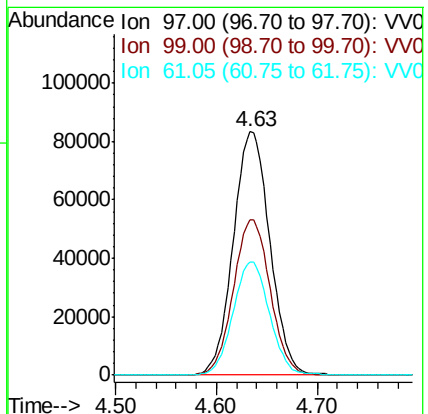
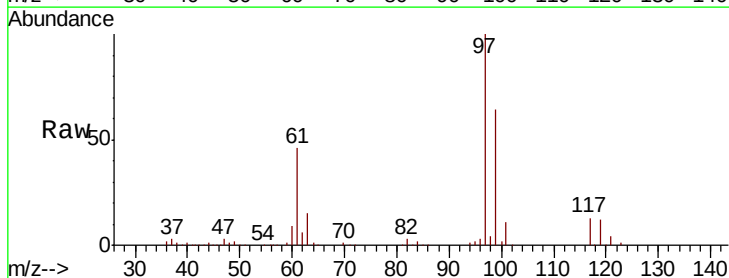
Tgt Ion: 97 Resp: 210320

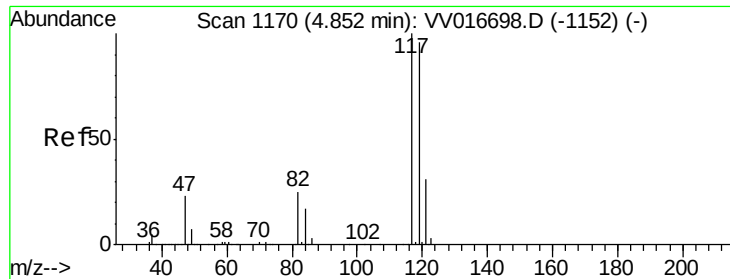
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 46.4 36.7 55.1

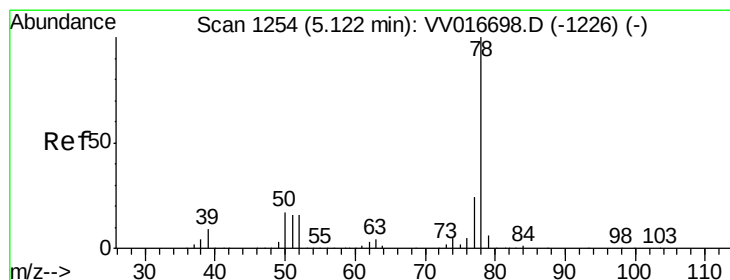
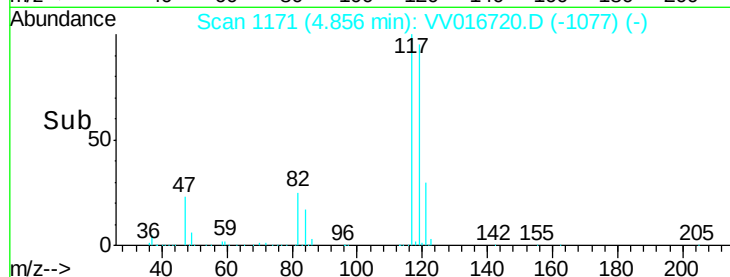
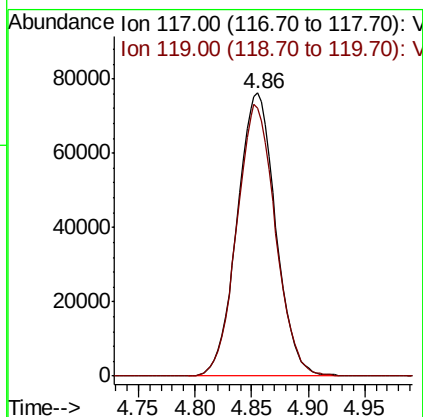
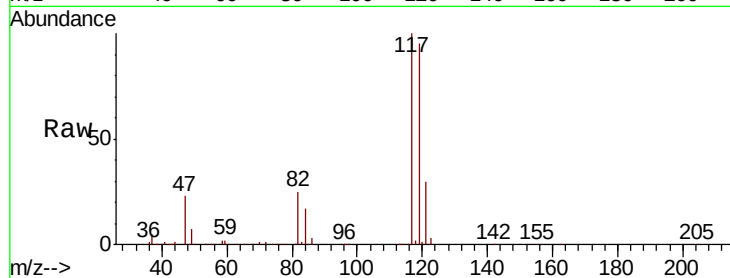




#31
Carbon tetrachloride
Concen: 48.745 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

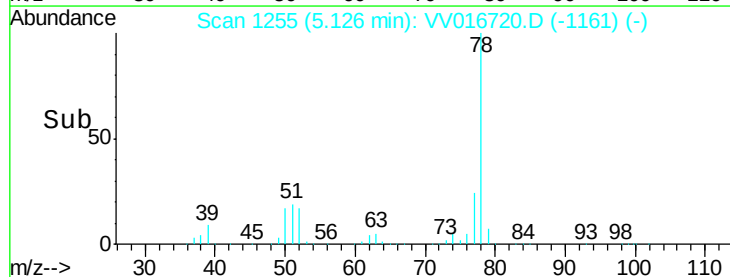
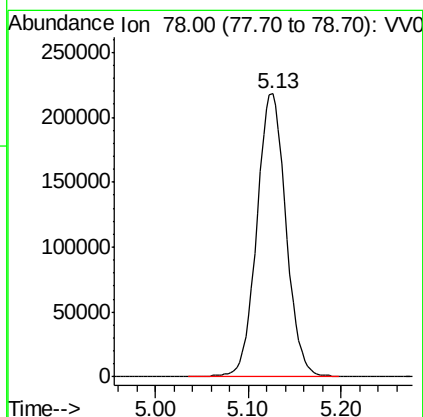
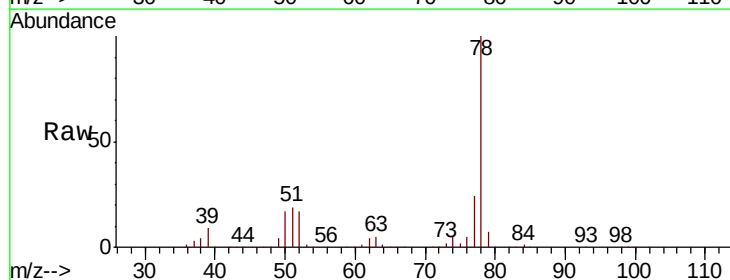
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

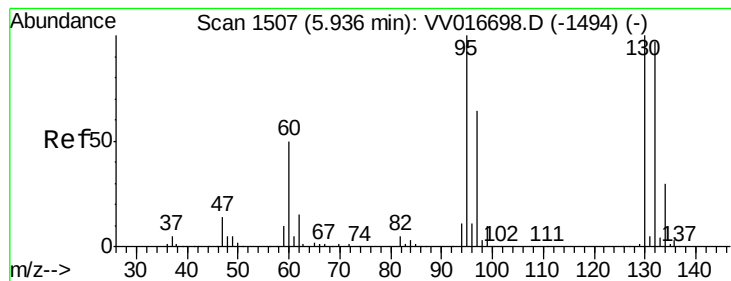
Tot Ion:117 Resp: 180449
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.2



#33
Benzene
Concen: 48.247 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion: 78 Resp: 478983





#34

Trichloroethene

Concen: 47.160 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tot Ion: 95 Resp: 125568

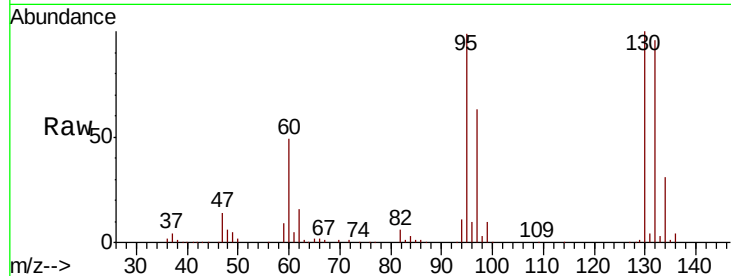
Ion Ratio Lower Upper

95 100

97 63.8 44.3 82.3

132 97.3 67.9 126.1

130 101.3 72.2 134.2



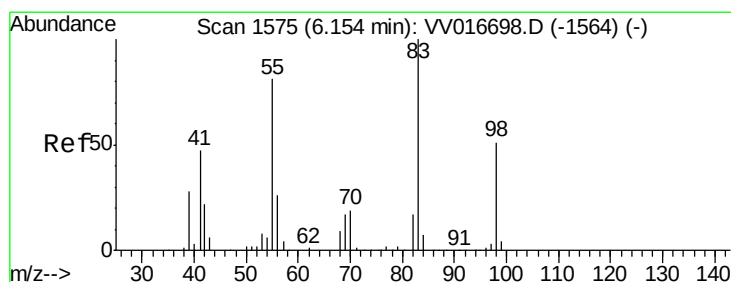
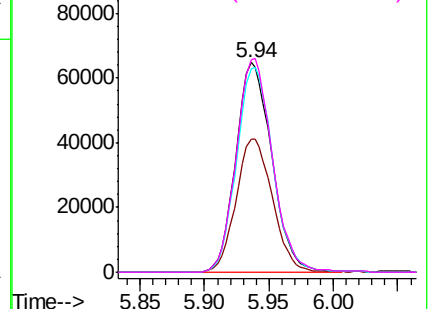
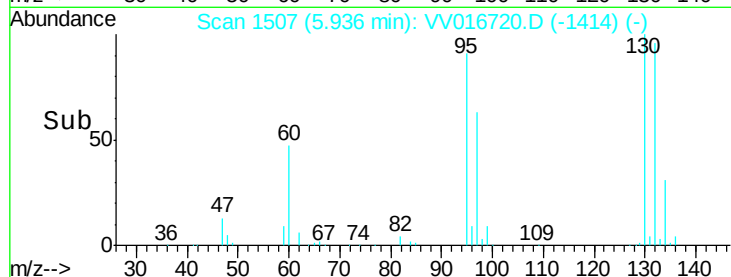
Abundance

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

Methylcyclohexane

Concen: 47.090 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

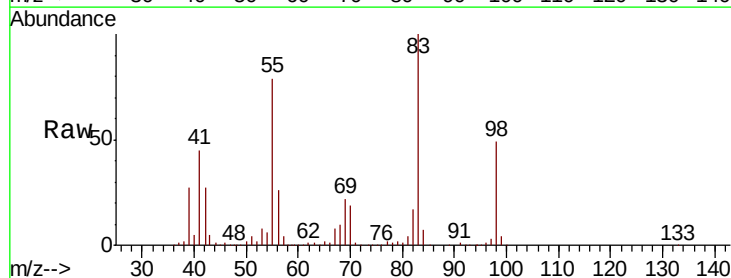
Tgt Ion: 83 Resp: 196697

Ion Ratio Lower Upper

83 100

55 80.0 64.2 96.2

98 50.4 40.3 60.5

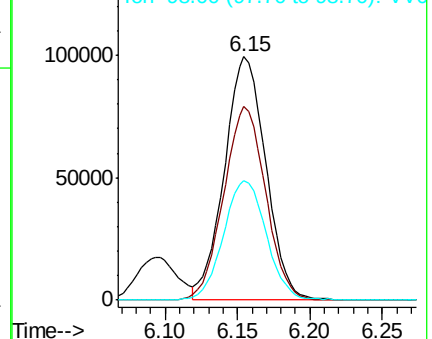
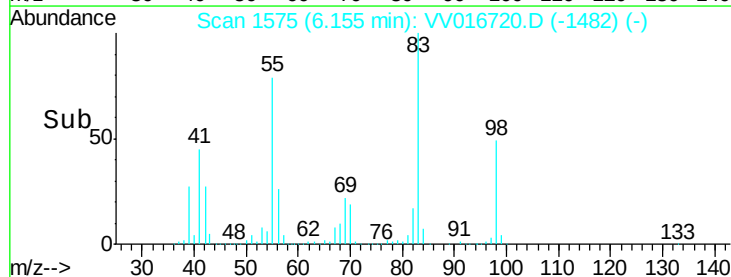


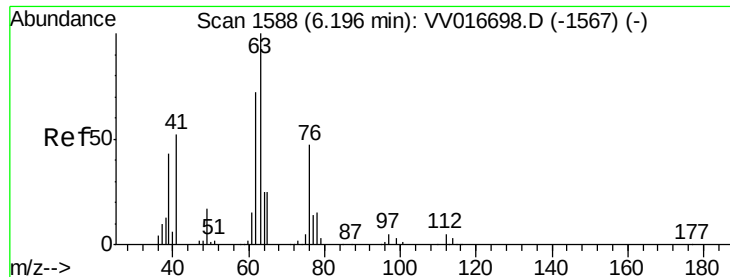
Abundance

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: 48.878 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

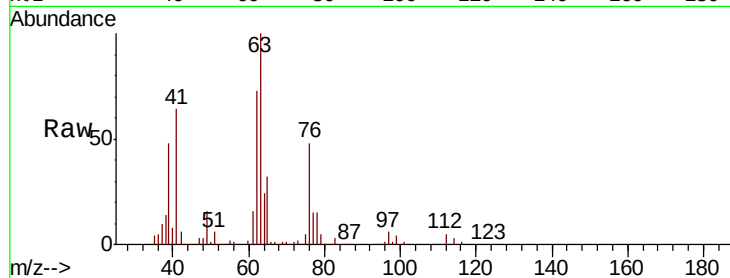
VSTD05076

Tot Ion: 63 Resp: 126193

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV016720.D (-1599) (-)

Ion 112.00 (111.70 to 112.70): VV016720.D (-1599) (-)

6.20

60000

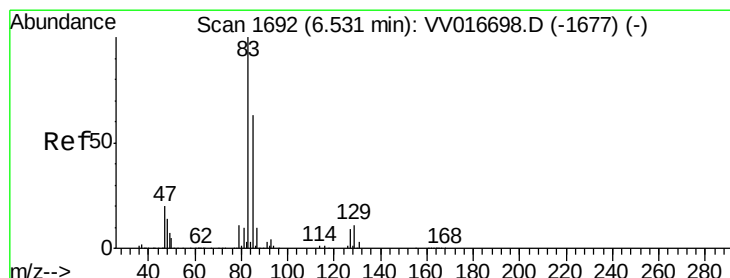
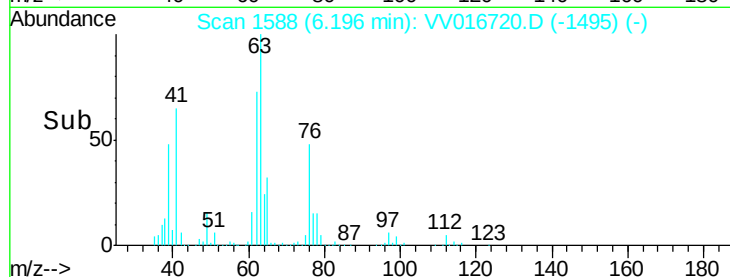
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 48.277 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

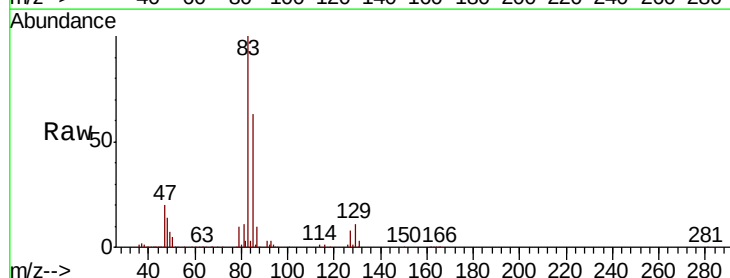
Tgt Ion: 83 Resp: 165920

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

127 8.4 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV016720.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV016720.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV016720.D (-1599) (-)

6.53

120000

100000

80000

60000

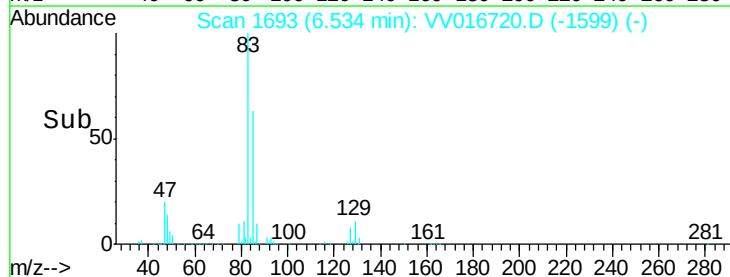
40000

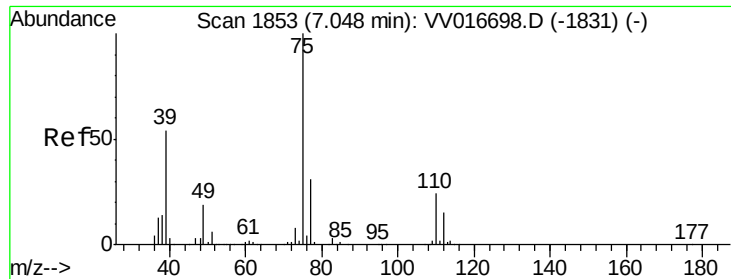
20000

0

6.45 6.50 6.55 6.60

Time-->

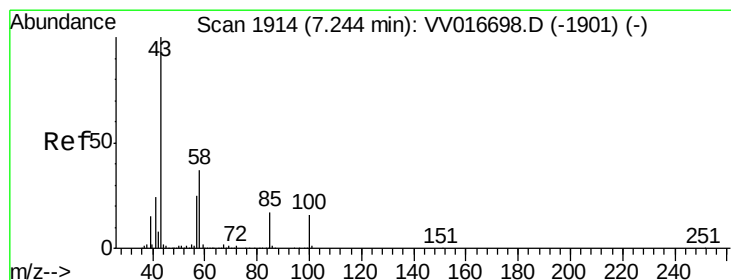
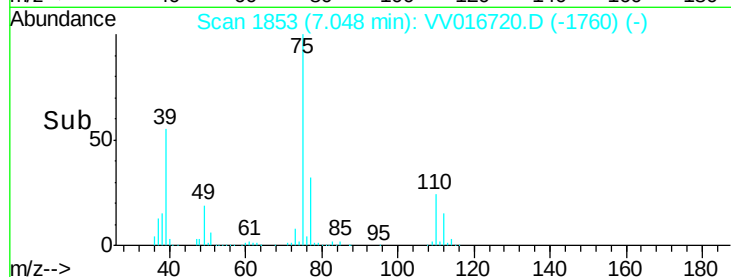
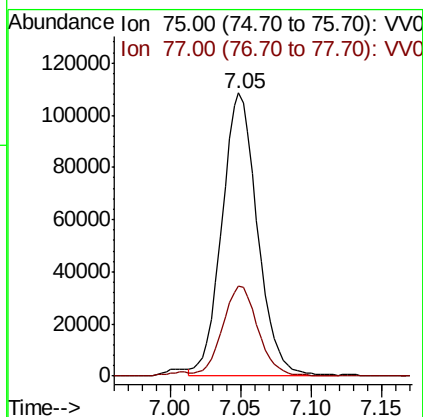
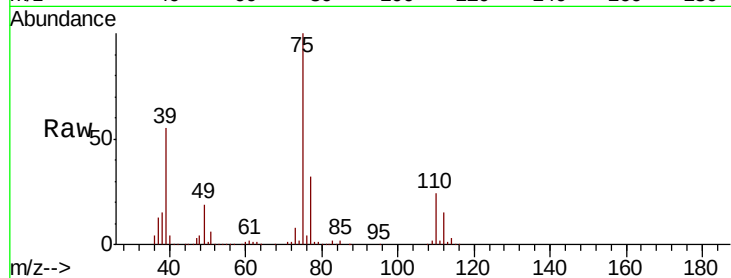




#39
 cis-1,3-Dichloropropene
 Concen: 47.506 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

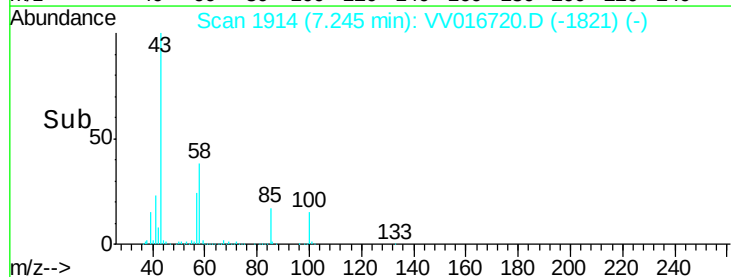
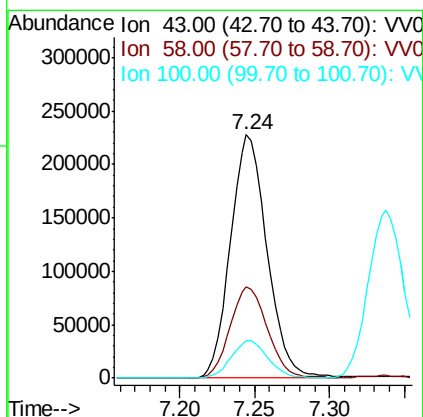
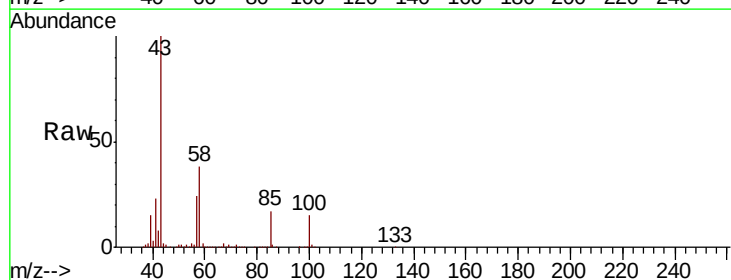
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

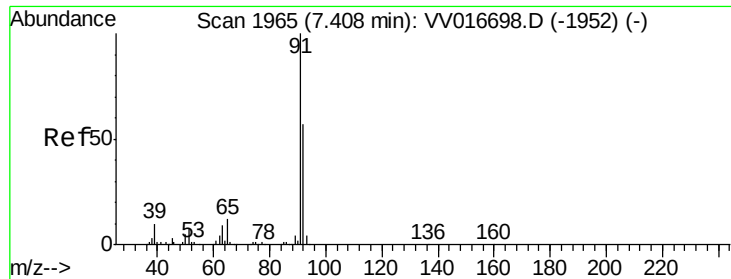
Tot Ion: 75 Resp: 190518
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 105.822 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Tgt Ion: 43 Resp: 387145
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.2 45.4
 100 15.7 12.3 18.5





#42

Toluene

Concen: 49.241 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

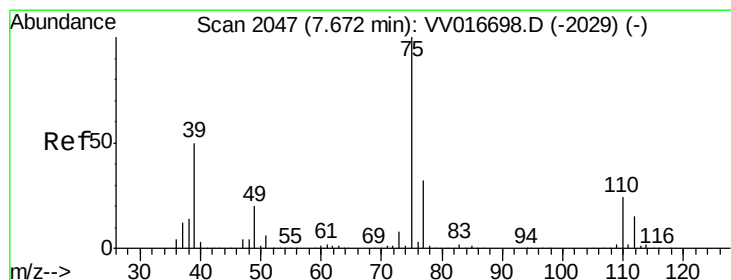
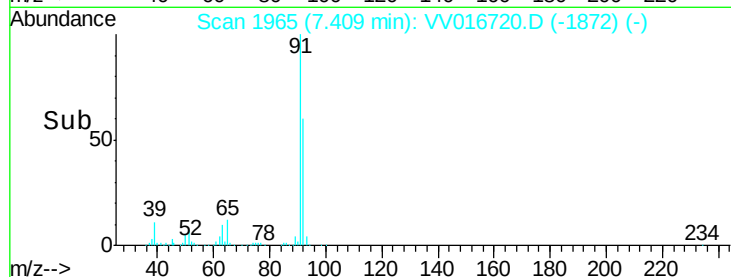
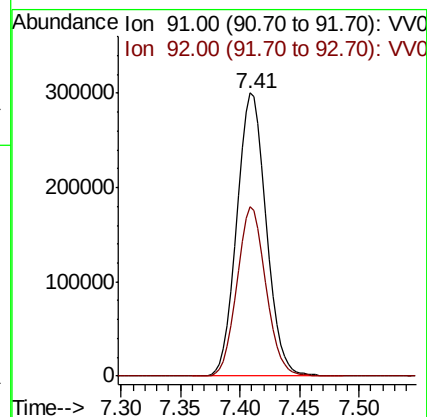
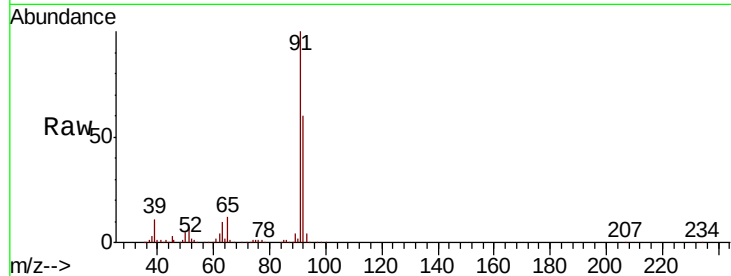
VSTD05076

Tot Ion: 91 Resp: 515341

Ion Ratio Lower Upper

91 100

92 59.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 48.939 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016720.D

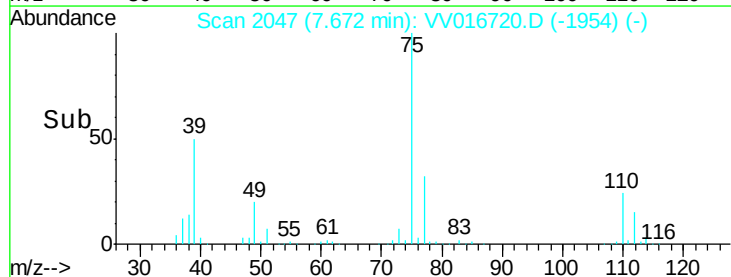
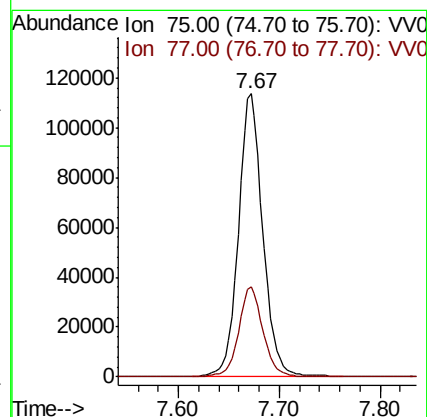
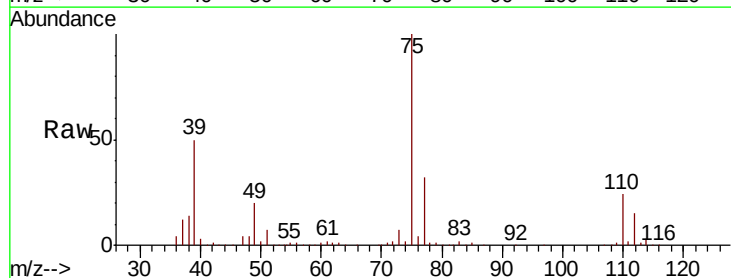
Acq: 09 Jun 2020 16:26

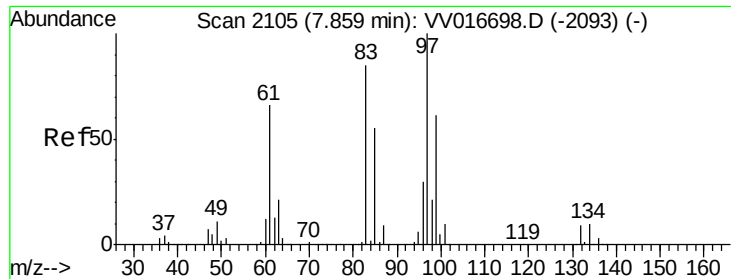
Tgt Ion: 75 Resp: 190810

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3

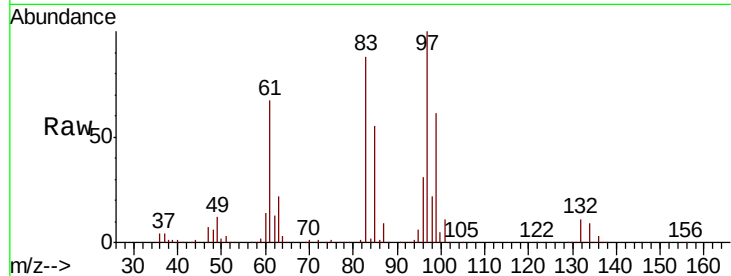




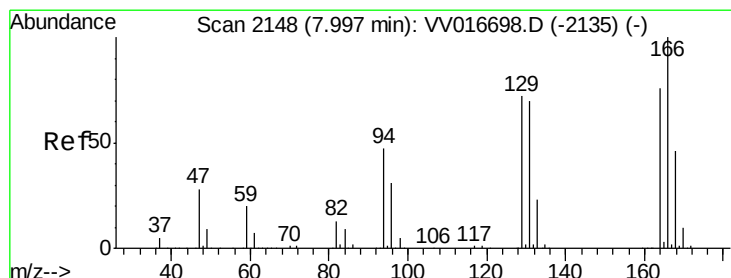
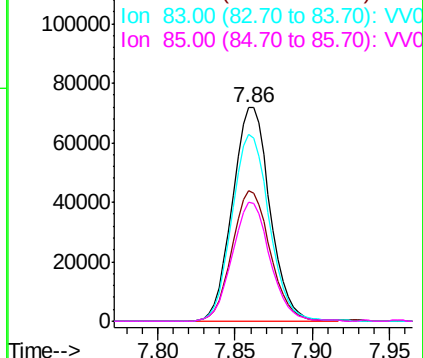
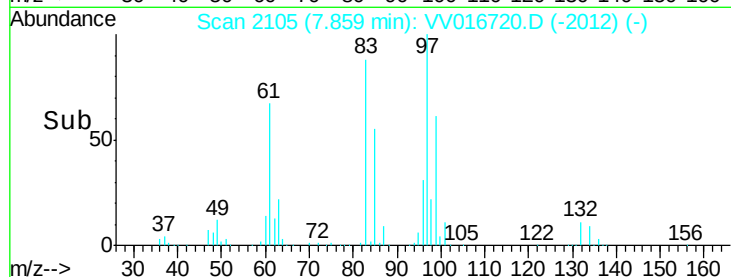
#45
 1,1,2-Trichloroethane
 Concen: 48.535 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05076

Tot Ion:	97	Resp:	120893
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.3	82.3
83	87.7	60.0	111.4
85	55.5	39.5	73.3

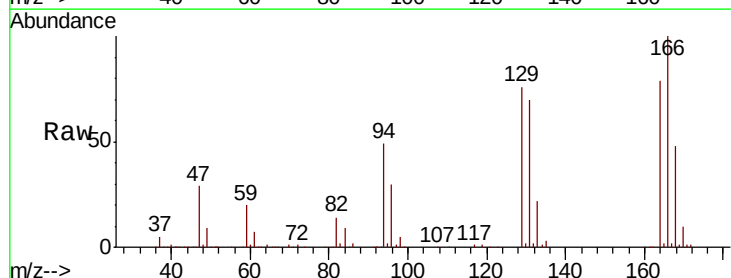


Abundance Ion 97.00 (96.70 to 97.70): VV016720.D (-2012) (-)

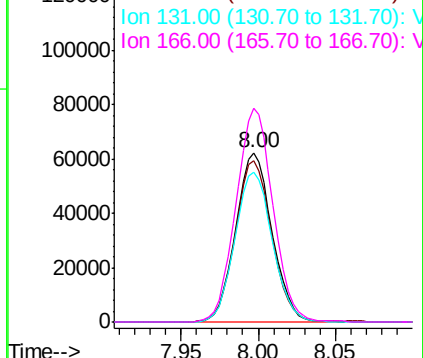
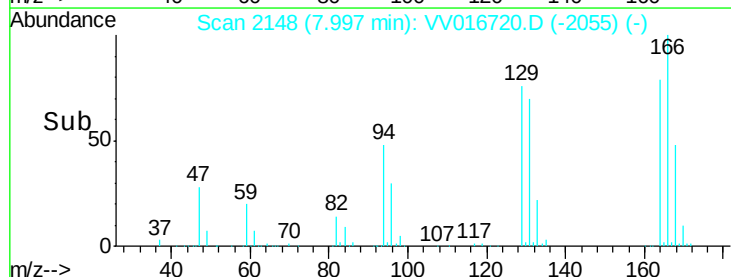


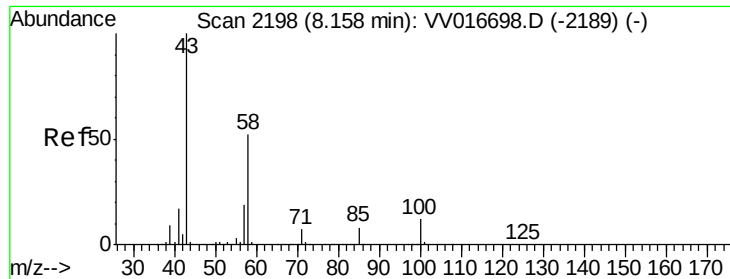
#46
 Tetrachloroethene
 Concen: 48.530 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Tgt Ion:	164	Resp:	101626
Ion	Ratio	Lower	Upper
164	100		
129	95.5	67.0	124.4
131	88.2	64.8	120.3
166	126.1	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VV016720.D (-2055) (-)

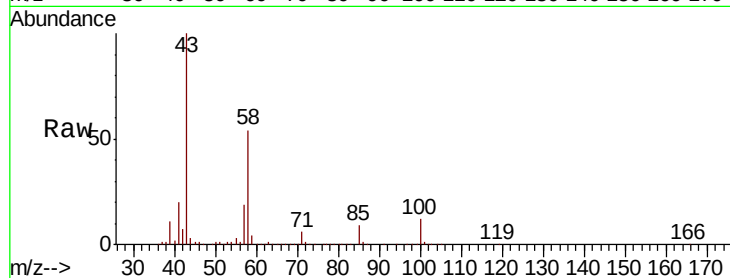




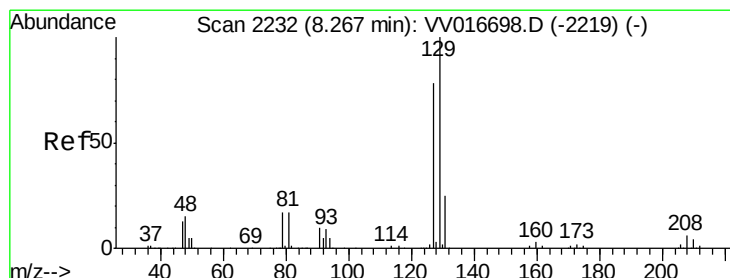
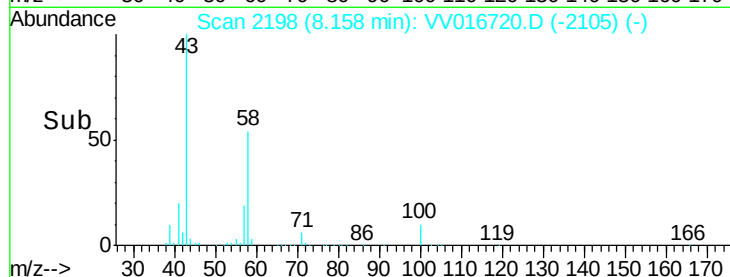
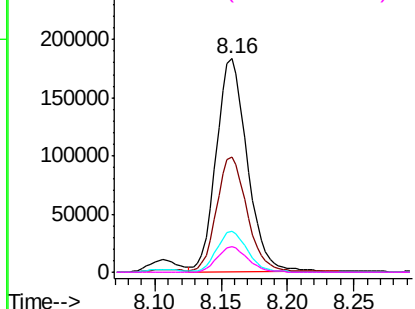
#48
2-Hexanone
Concen: 104.783 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 43 Resp: 297232
Ion Ratio Lower Upper
43 100
58 52.6 43.1 64.7
57 18.6 15.3 22.9
100 12.0 10.0 15.0

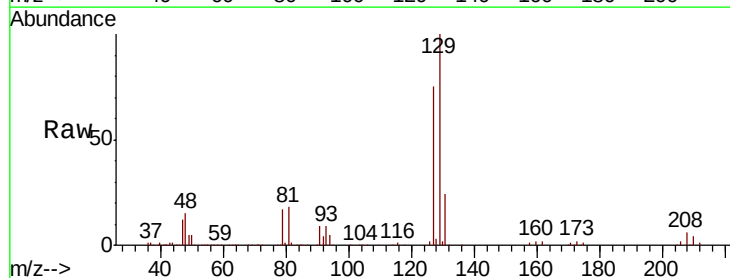


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

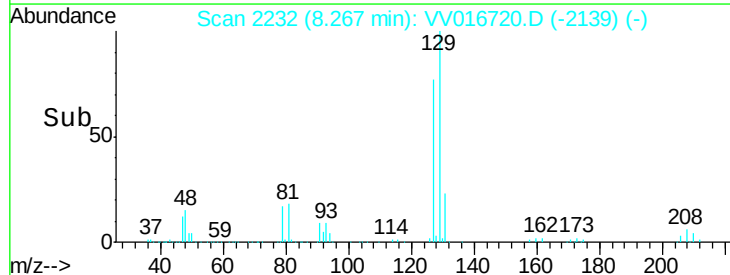
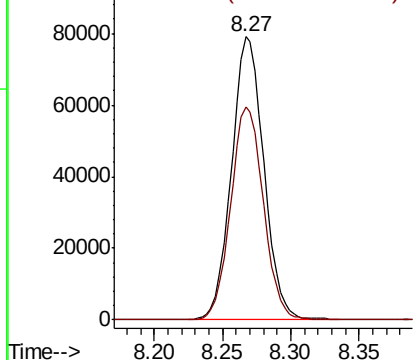


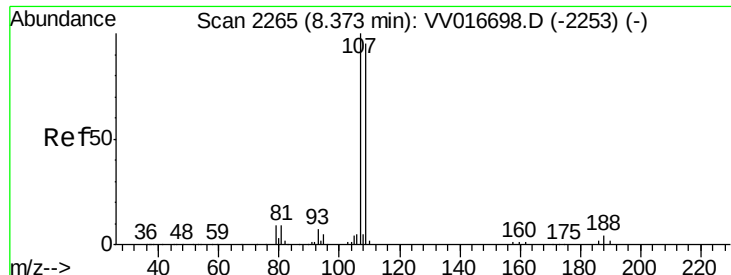
#49
Dibromochloromethane
Concen: 48.790 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion: 129 Resp: 129941
Ion Ratio Lower Upper
129 100
127 75.3 54.2 100.6



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

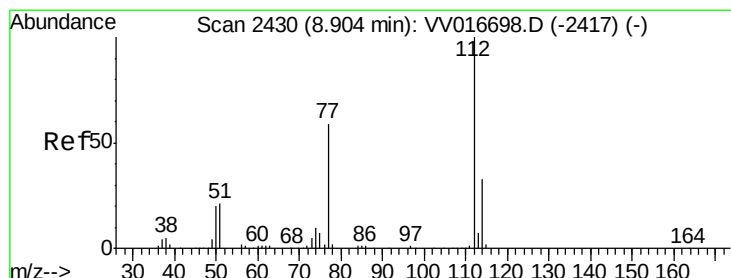
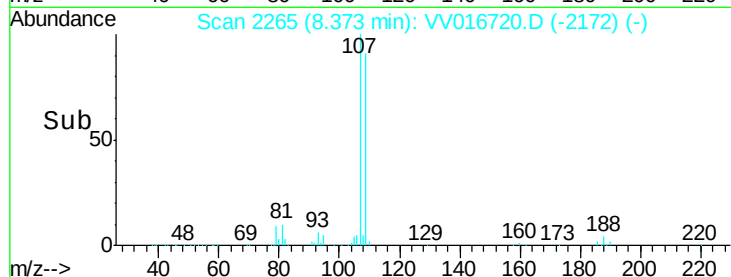
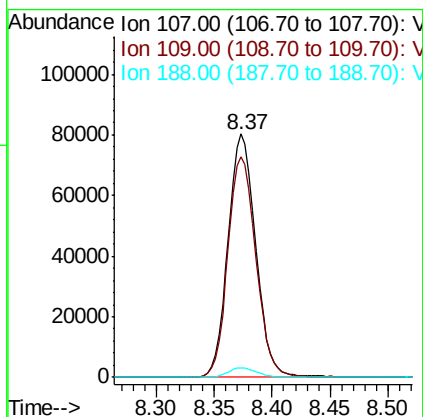
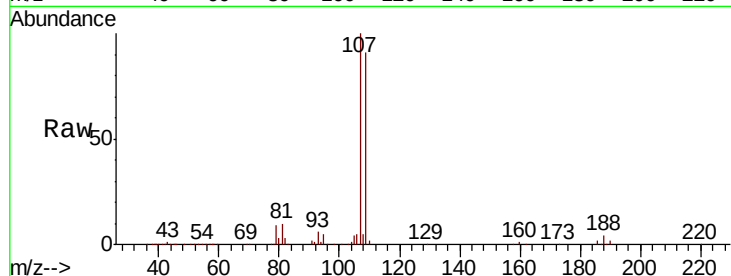




#50
1,2-Dibromoethane
Concen: 50.878 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

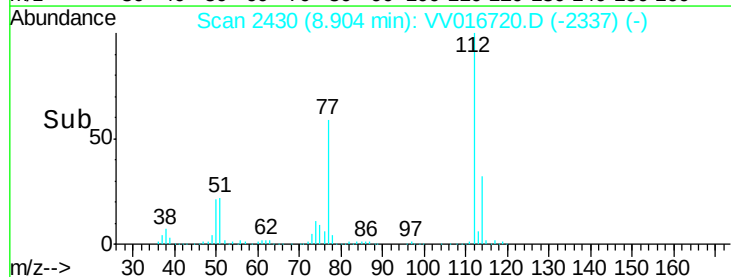
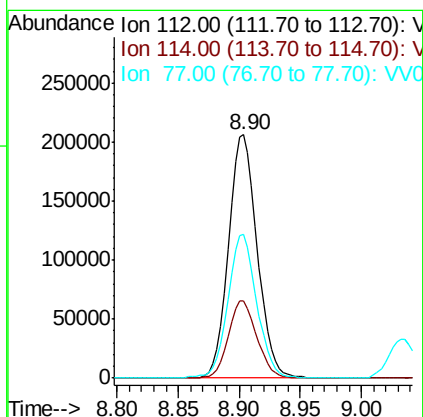
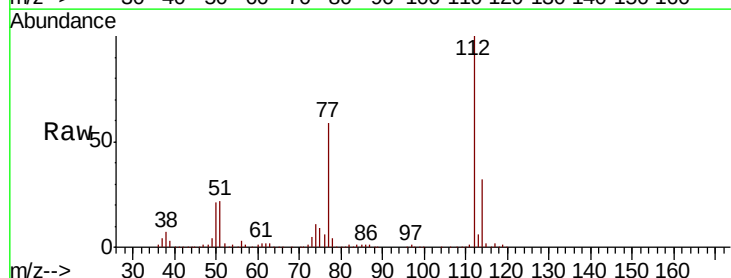
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

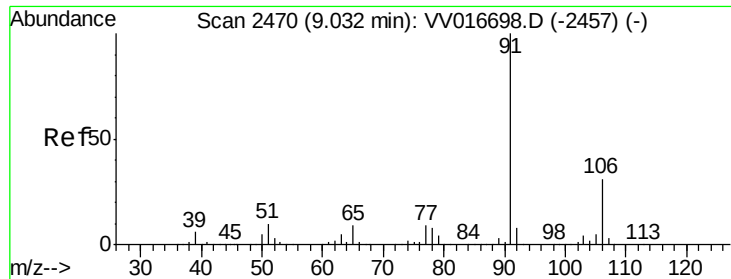
Tot Ion:107 Resp: 132712
Ion Ratio Lower Upper
107 100
109 90.9 66.4 123.2
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 49.574 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion:112 Resp: 338498
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 58.9 47.9 71.9





#52

Ethylbenzene

Concen: 49.984 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

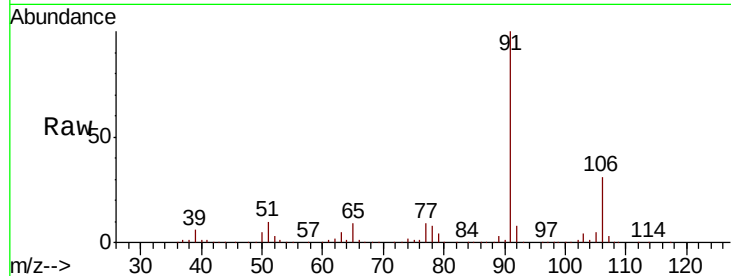
VSTD05076

Tot Ion: 91 Resp: 579429

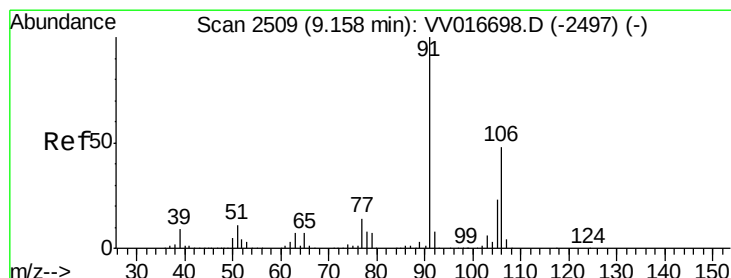
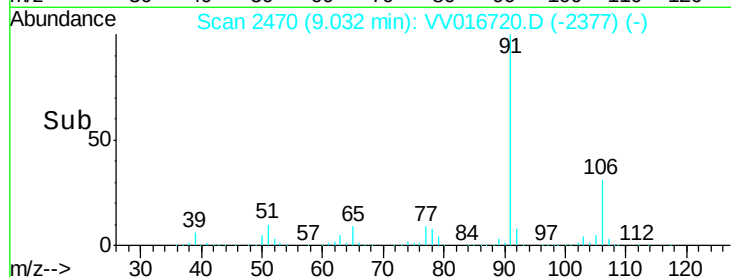
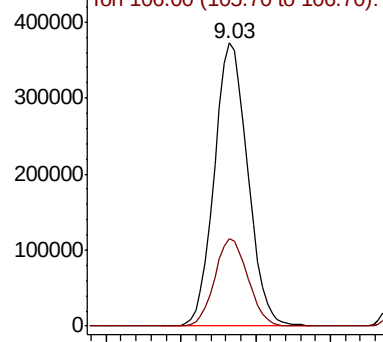
Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016698.D (-2457) (-)



#53

m,p-Xylene

Concen: 50.306 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016720.D

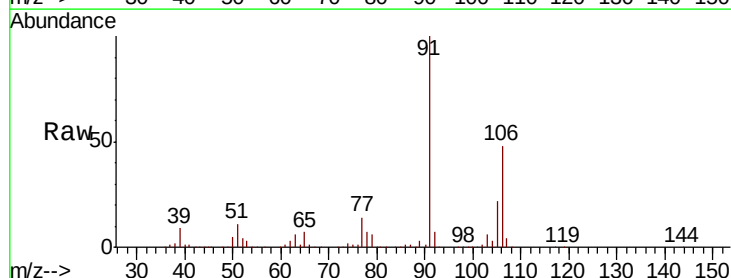
Acq: 09 Jun 2020 16:26

Tgt Ion: 106 Resp: 217128

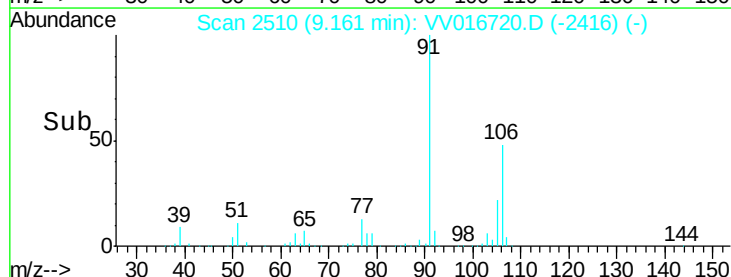
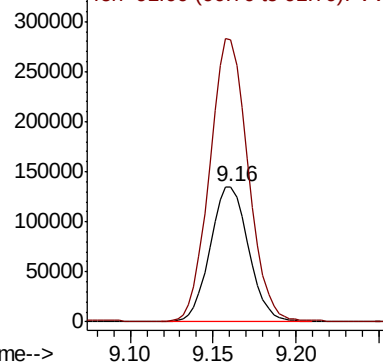
Ion Ratio Lower Upper

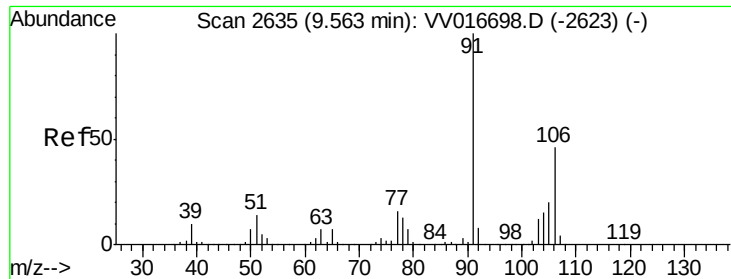
106 100

91 208.4 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016698.D (-2497) (-)

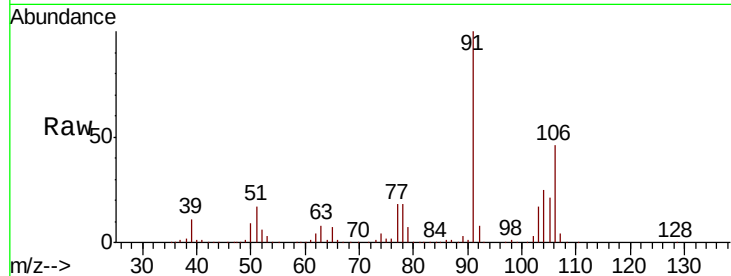




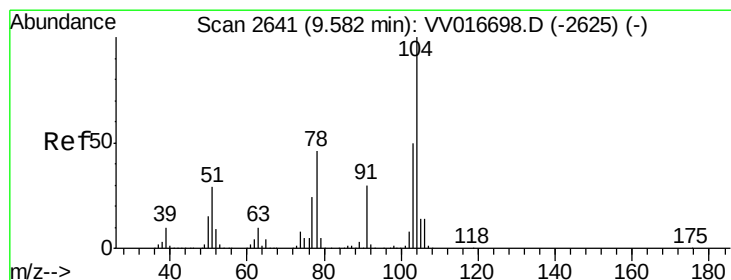
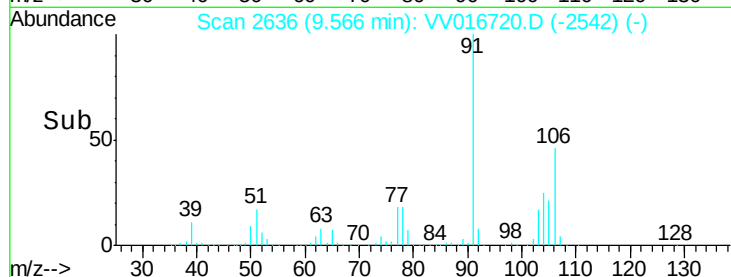
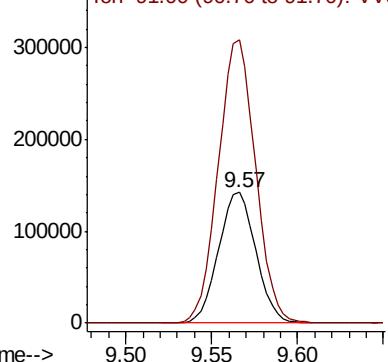
#54
o-xylene
Concen: 50.439 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion:106 Resp: 214709
Ion Ratio Lower Upper
106 100
91 217.0 155.9 289.5

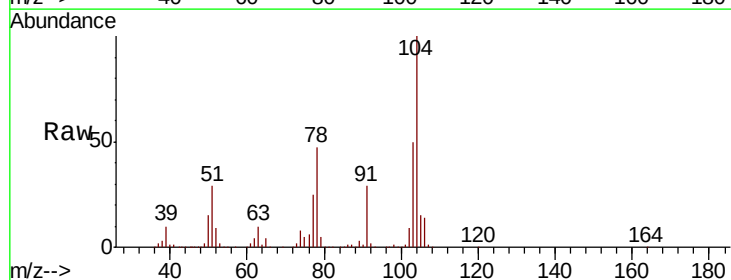


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

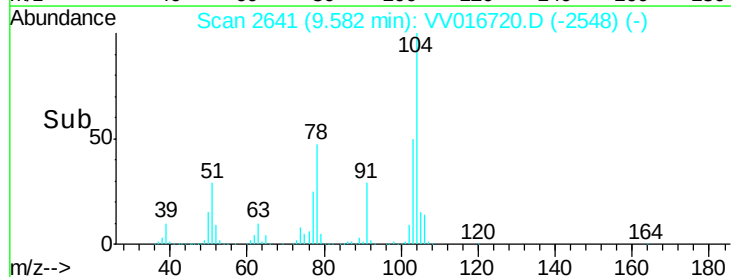
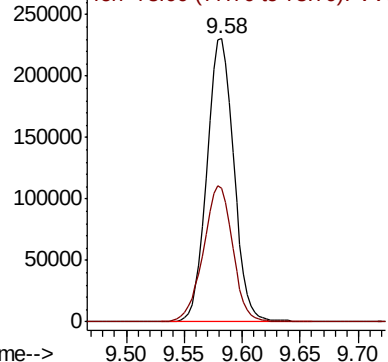


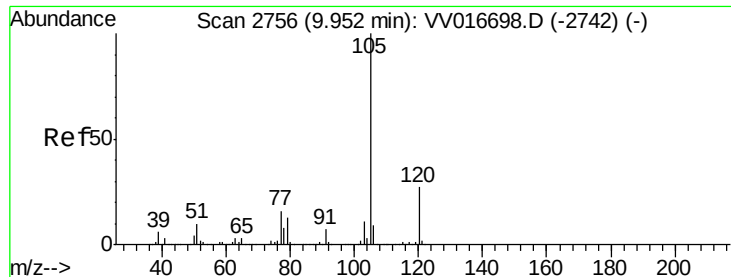
#55
Styrene
Concen: 51.359 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion:104 Resp: 369633
Ion Ratio Lower Upper
104 100
78 47.2 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

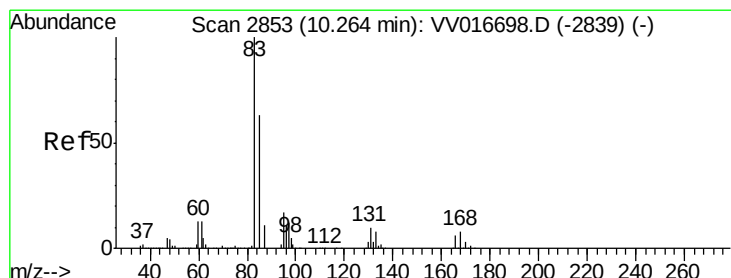
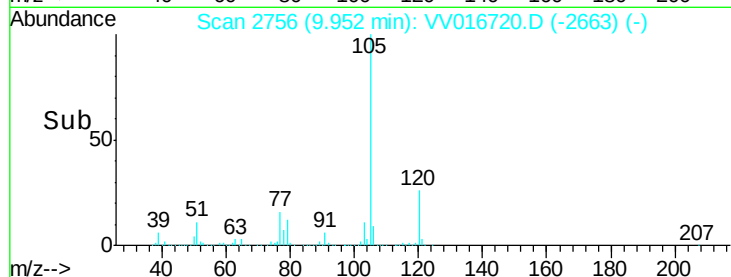
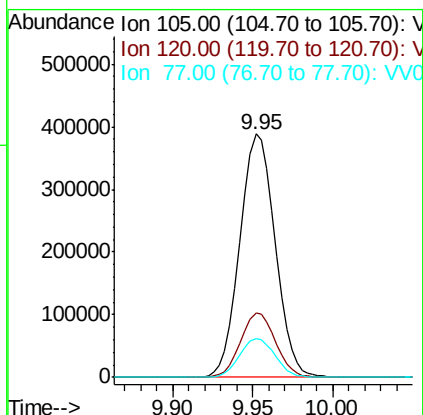
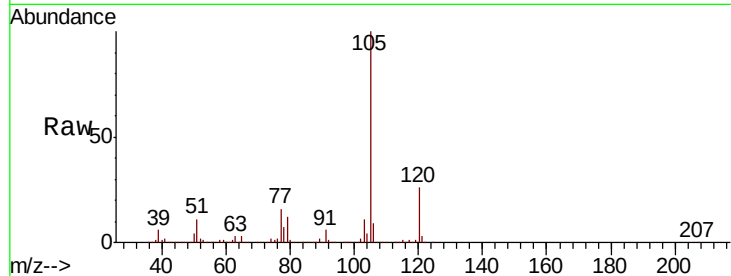




#56
Isopropylbenzene
Concen: 51.050 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

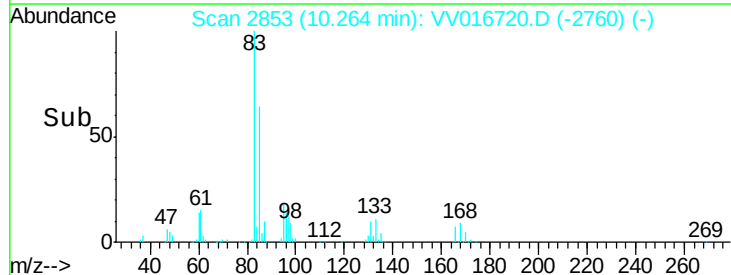
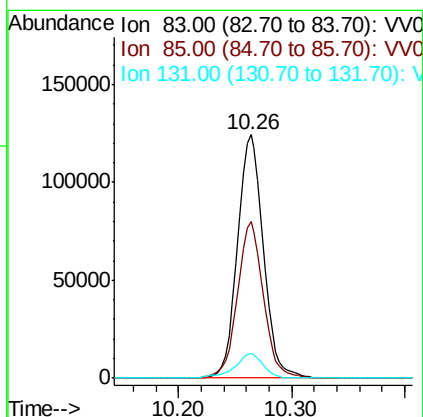
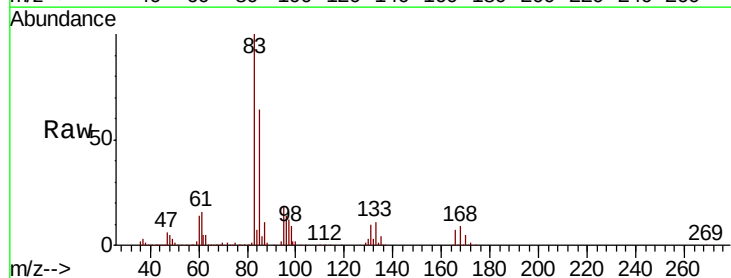
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

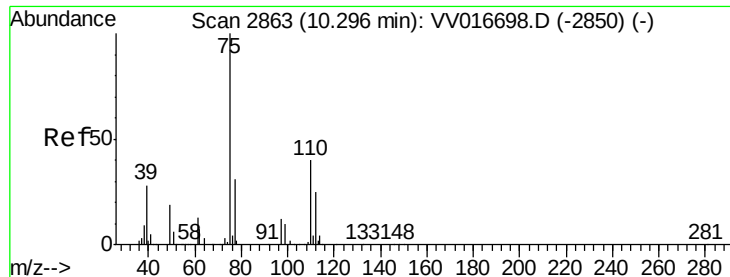
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.2	31.8
77	16.1	13.0	19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 51.958 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV016720.D
Acq: 09 Jun 2020 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	46.8	86.8
131	10.2	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 50.377 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

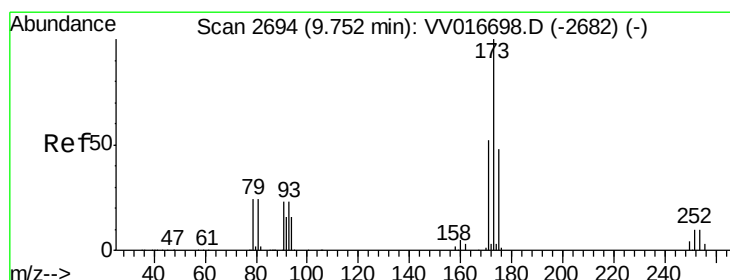
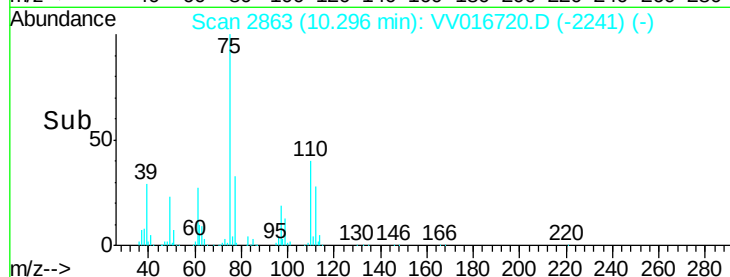
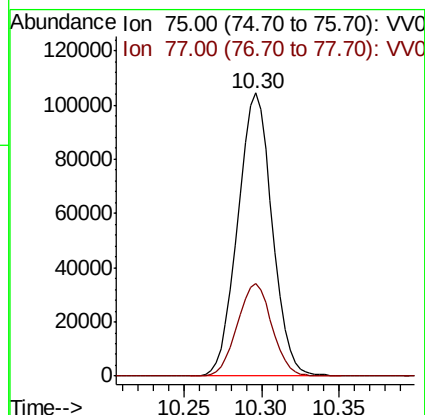
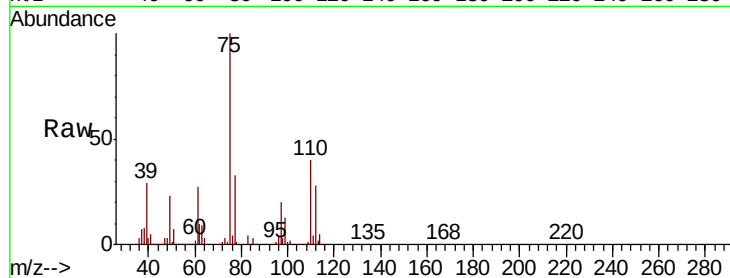
VSTD05076

Tot Ion: 75 Resp: 161374

Ion Ratio Lower Upper

75 100

77 33.0 26.1 39.1



#61

Bromoform

Concen: 46.101 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

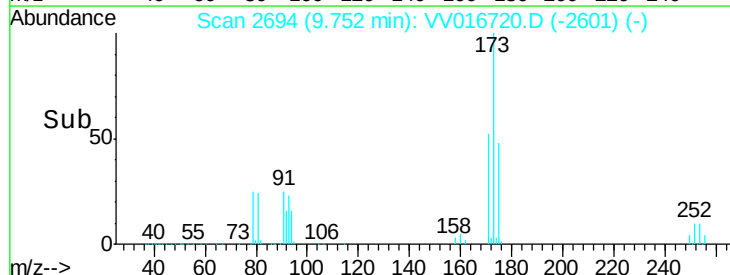
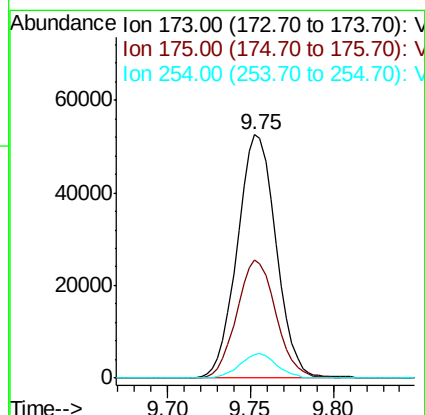
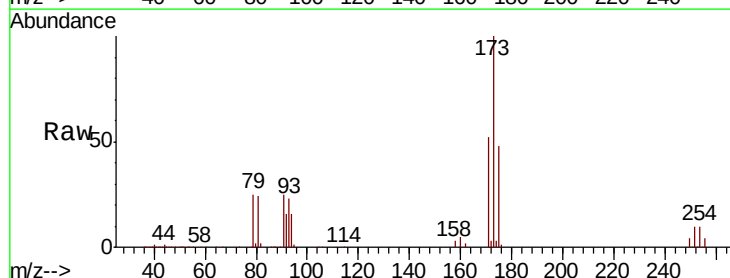
Tgt Ion: 173 Resp: 85567

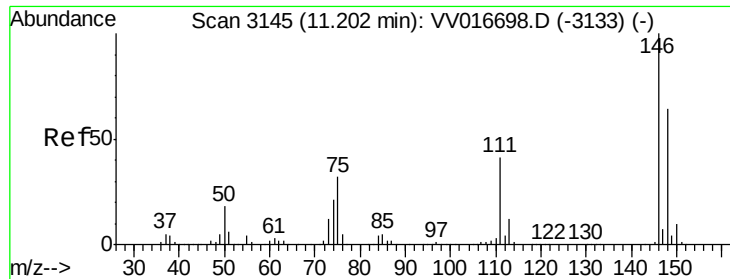
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 48.377 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

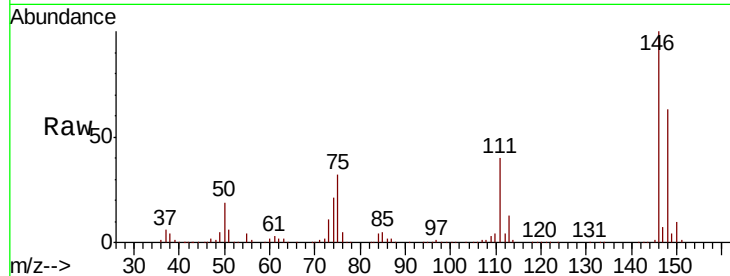
Tot Ion:146 Resp: 276496

Ion Ratio Lower Upper

146 100

111 39.9 28.3 52.7

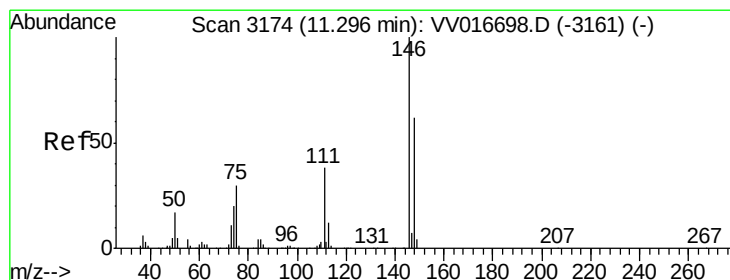
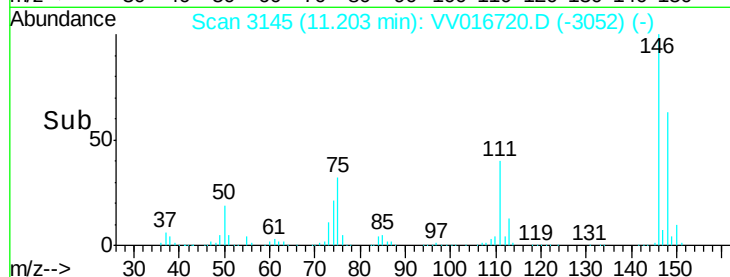
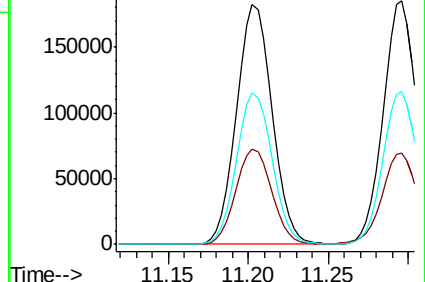
148 63.1 44.2 82.2



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: 47.741 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

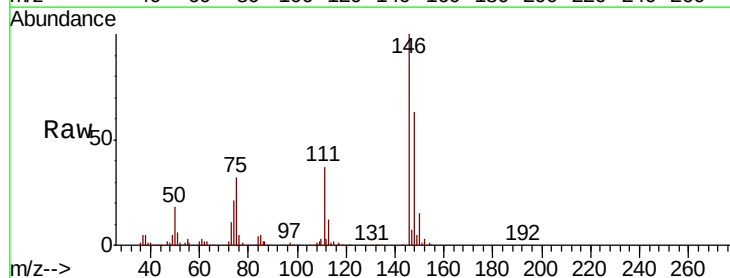
Tgt Ion:146 Resp: 277629

Ion Ratio Lower Upper

146 100

111 37.4 26.7 49.7

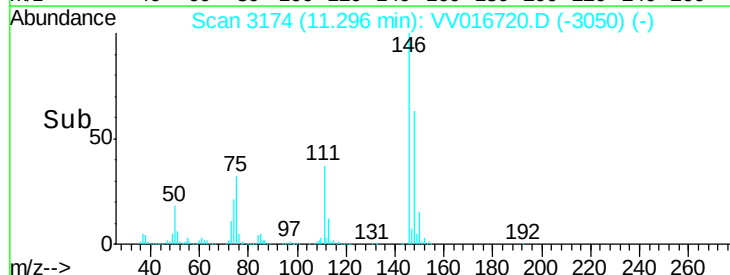
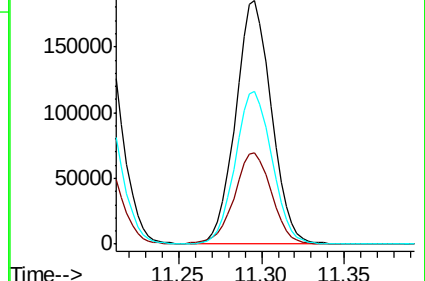
148 62.6 43.5 80.9

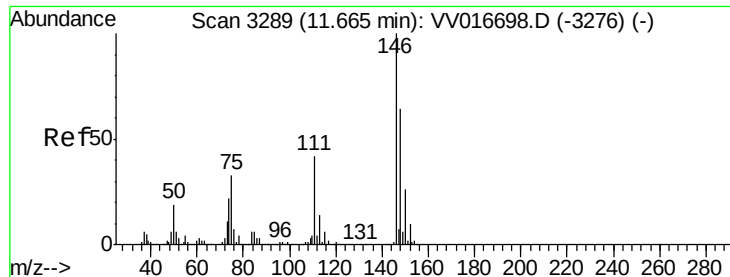


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

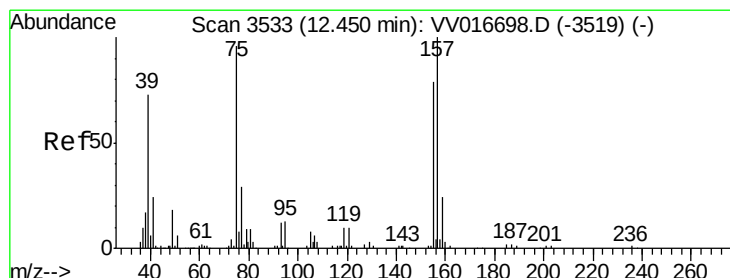
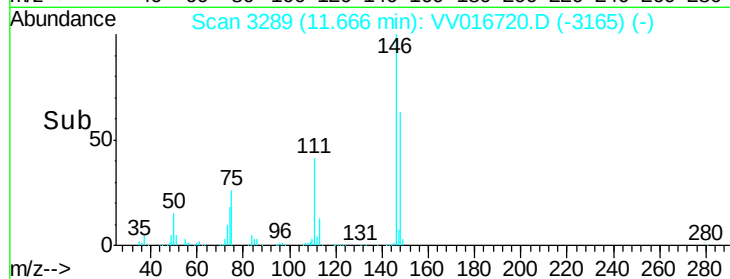
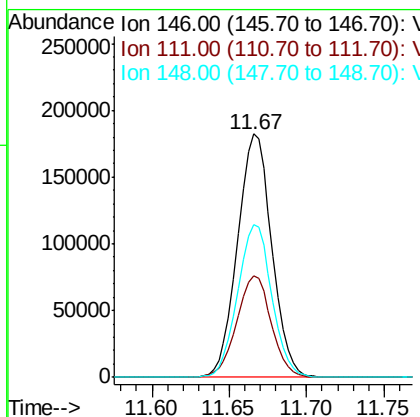
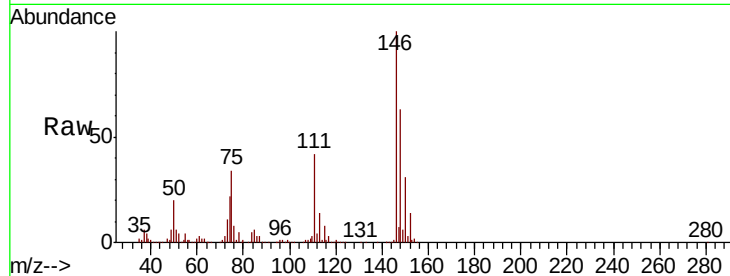




#65
 1,2-Dichlorobenzene
 Concen: 48.909 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

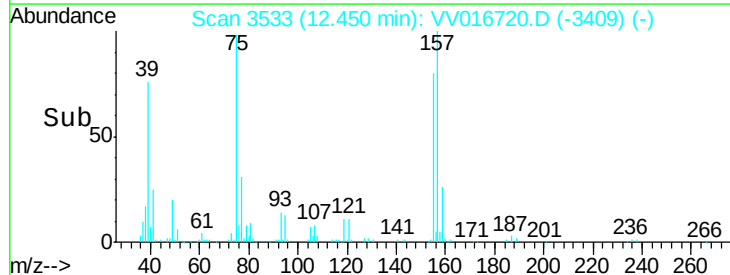
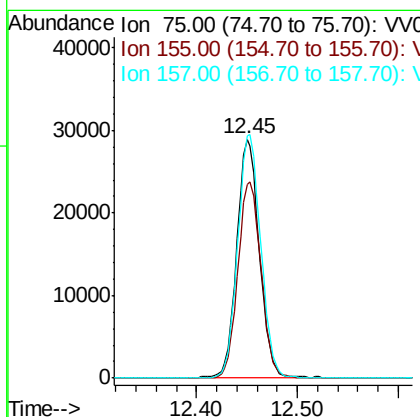
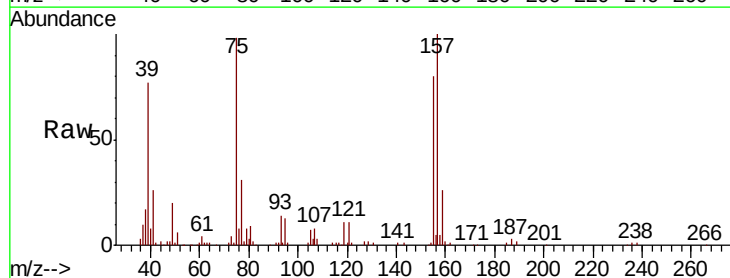
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

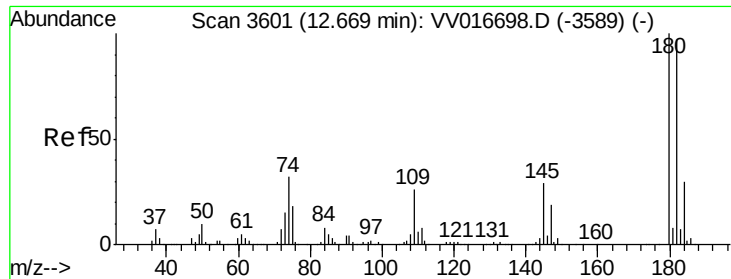
Tot Ion:146 Resp: 280140
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.7 50.5
 148 62.7 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.974 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Tgt Ion: 75 Resp: 45008
 Ion Ratio Lower Upper
 75 100
 155 81.3 69.8 104.6
 157 101.5 83.4 125.2

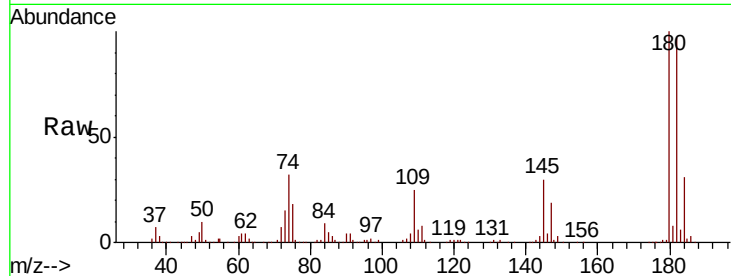




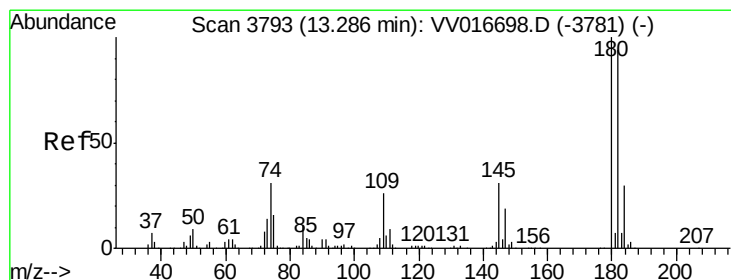
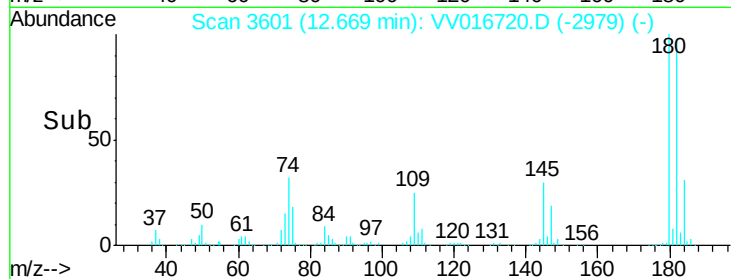
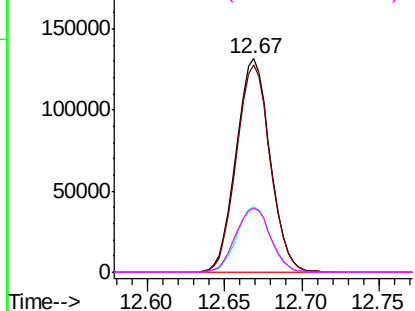
#67
 1,3,5-Trichlorobenzene
 Concen: 47.080 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tot Ion:180 Resp: 200653
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.0 112.6
 184 30.4 24.5 36.7
 145 30.9 24.4 36.6

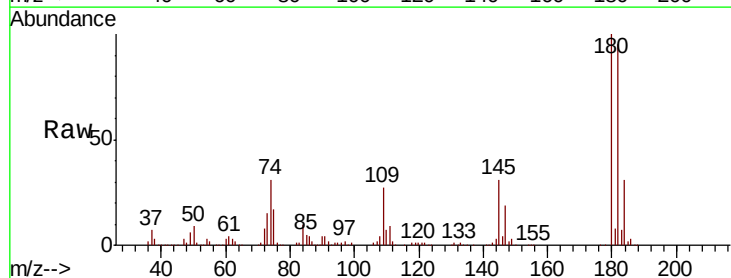


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

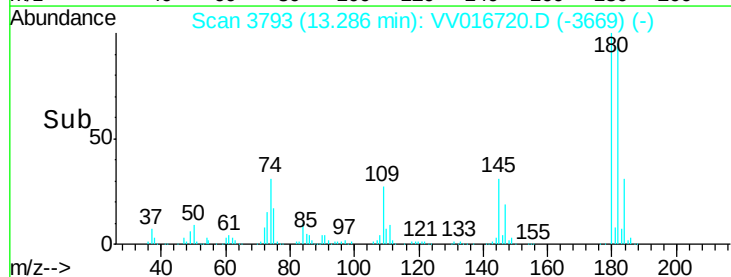
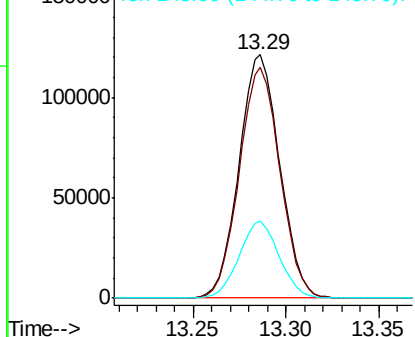


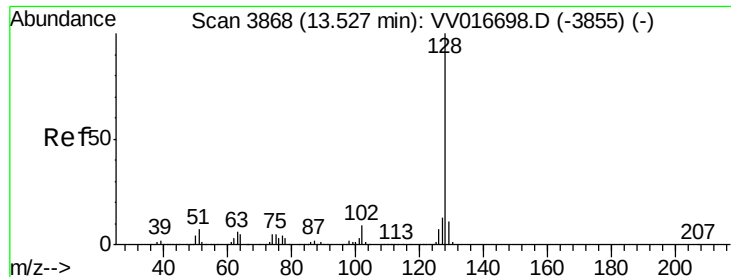
#68
 1,2,4-trichlorobenzene
 Concen: 47.211 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016720.D
 Acq: 09 Jun 2020 16:26

Tgt Ion:180 Resp: 184560
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.9 115.3
 145 31.0 25.2 37.8



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: 51.008 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

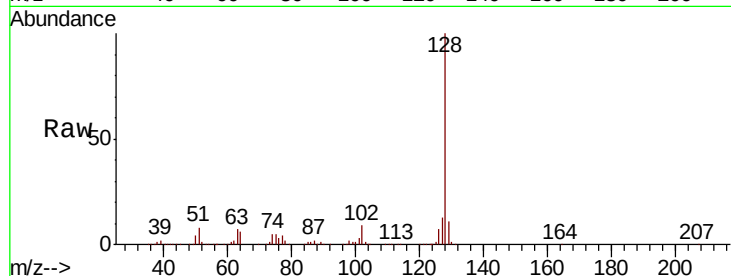
Tot Ion:128 Resp: 573578

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

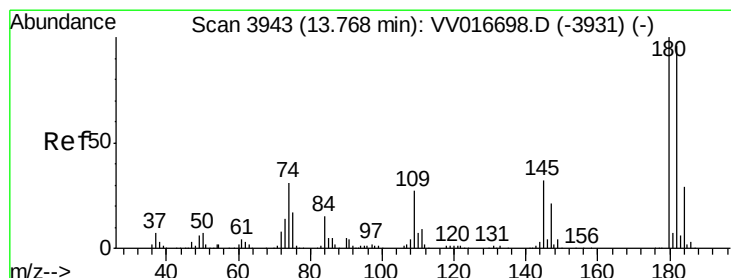
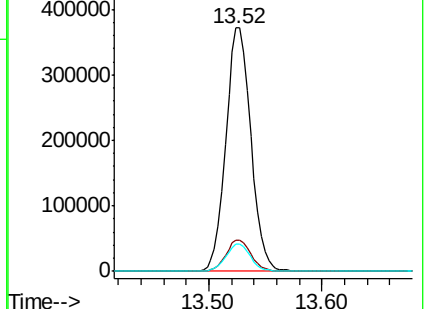
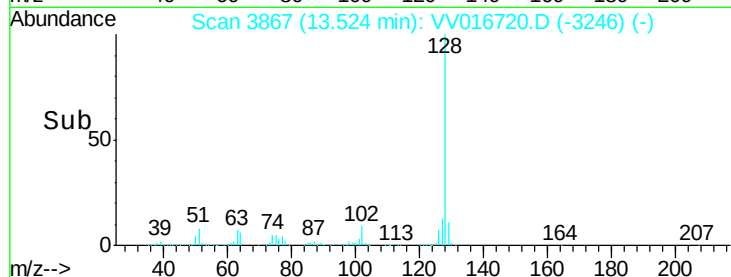
129 10.9 8.7 13.1



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: 49.021 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016720.D

Acq: 09 Jun 2020 16:26

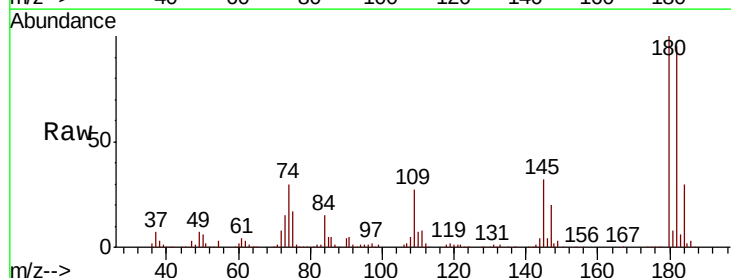
Tgt Ion:180 Resp: 187505

Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 32.4 26.1 39.1



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

