

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015571.D
 Acq On : 20 Apr 2020 10:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:00:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 20 12:22:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	98648	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93586	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	48264	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26021	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.58	69	24849	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.12	63	56258	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	3.94	46	84319	58.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.34%
24) Chloroform-d	4.37	84	60368	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.06	65	30979	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.07	84	107108	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.09	67	34467	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.33	98	100502	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.64	79	13523	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.11	63	67911	50.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.14%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26025	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	37122	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	52867	5.414 ug/L	99
3) Chloromethane	1.25	50	44869	4.825 ug/L	96
5) Vinyl chloride	1.32	62	47037	5.253 ug/L	98
6) Bromomethane	1.53	94	19964	4.035 ug/L	95
8) Chloroethane	1.59	64	28151	5.421 ug/L	98
9) Trichlorofluoromethane	1.76	101	64971	5.672 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	36332	5.615 ug/L	99
12) 1,1-Dichloroethene	2.13	96	33383	5.391 ug/L	98
13) Acetone	2.23	43	69880	68.821 ug/L #	53
14) Carbon disulfide	2.30	76	101819	4.716 ug/L	99
15) Methyl Acetate	2.46	43	15649	5.209 ug/L	93
16) Methylene chloride	2.52	84	38357	5.287 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	94738	5.724 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	38609	5.533 ug/L	100
19) 1,1-Dichloroethane	3.21	63	75145	5.713 ug/L	99
21) 2-Butanone	4.02	43	104743	63.835 ug/L #	73
22) cis-1,2-Dichloroethene	3.93	96	40613	5.606 ug/L	100

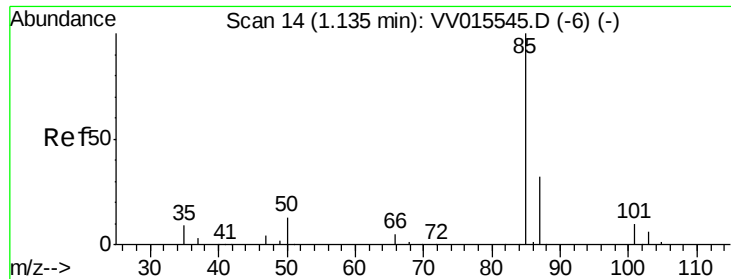
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 20 12:22:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	17011	5.643	ug/L	96
25) Chloroform	4.40	83	76158	5.657	ug/L	99
27) 1,2-Dichloroethane	5.15	62	48274	5.546	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	70457	5.802	ug/L	99
30) Cyclohexane	4.70	56	68262	5.295	ug/L	98
31) Carbon tetrachloride	4.85	117	59767	5.655	ug/L	99
33) Benzene	5.12	78	158006	5.641	ug/L	100
34) Trichloroethene	5.94	95	43242	5.736	ug/L	99
35) Methylcyclohexane	6.15	83	68858	5.421	ug/L	99
37) 1,2-Dichloropropane	6.20	63	40455	5.823	ug/L	100
38) Bromodichloromethane	6.53	83	52812	5.701	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	56961	5.343	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	255251	55.954	ug/L	99
42) Toluene	7.41	91	168847	5.552	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	47808	5.303	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	27446	5.877	ug/L	97
47) Tetrachloroethene	7.99	164	31988	5.727	ug/L	98
48) 2-Hexanone	8.16	43	184766	57.969	ug/L	99
49) Dibromochloromethane	8.27	129	31080	5.556	ug/L	97
50) 1,2-Dibromoethane	8.37	107	25410	5.677	ug/L #	98
51) Chlorobenzene	8.90	112	108994	5.623	ug/L	99
52) Ethylbenzene	9.03	91	194179	5.547	ug/L	99
53) m,p-xylene	9.16	106	73307	5.545	ug/L	99
54) o-xylene	9.56	106	69830	5.457	ug/L	96
55) Styrene	9.58	104	118267	5.499	ug/L	97
56) Isopropylbenzene	9.95	105	194126	5.533	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	31159	5.482	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	24370	5.673	ug/L	99
61) Bromoform	9.76	173	14221	5.024	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	87406	5.617	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	87832	5.547	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	80230	5.655	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	5868	5.405	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	65971	5.867	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	58502	5.776	ug/L	100
69) Naphthalene	13.53	128	101176	5.302	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	51617	5.769	ug/L	99

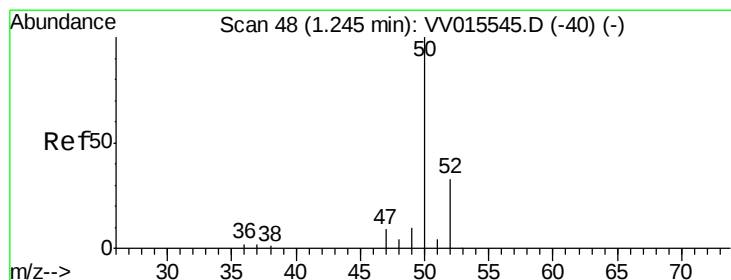
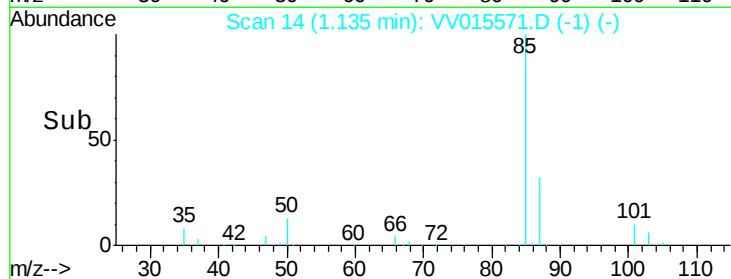
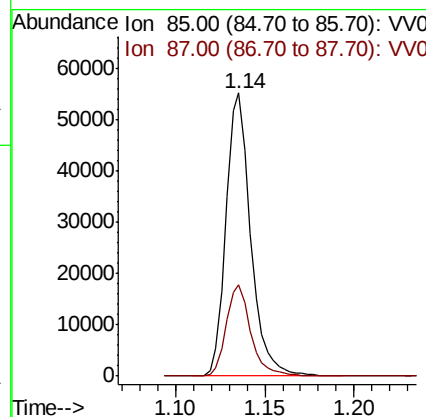
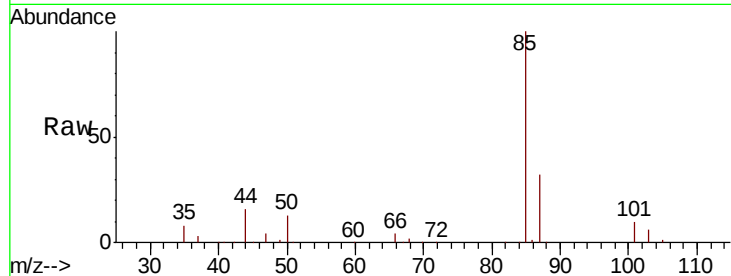
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.414 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

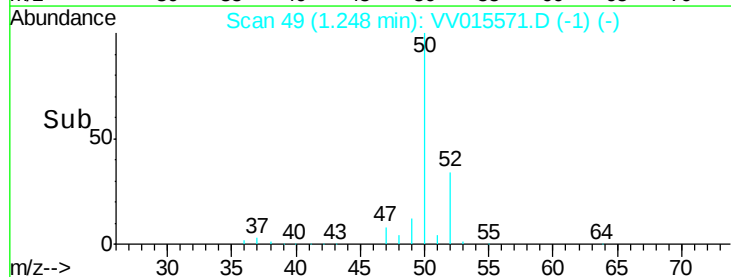
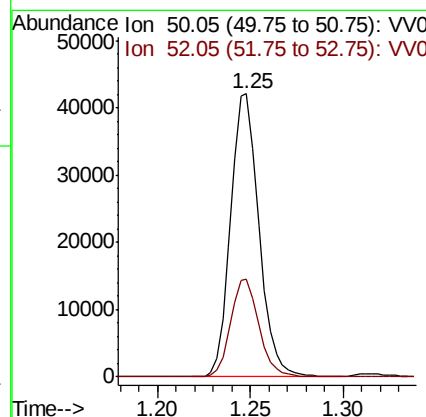
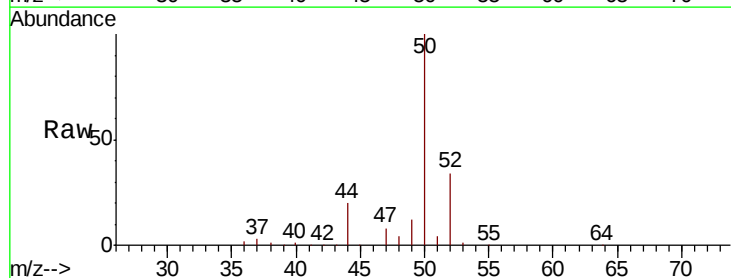
Instrument :
 MSVOA_V
 ClientSampleId :

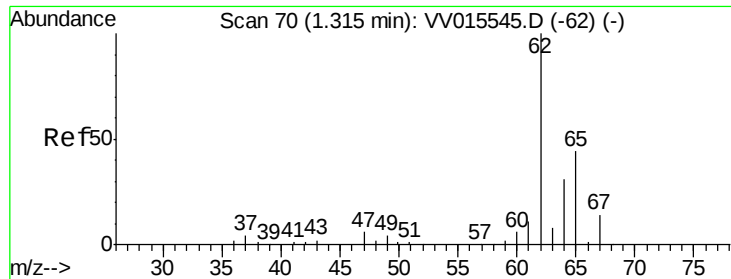
Tot Ion: 85 Resp: 52867
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.3 37.9



#3
 Chloromethane
 Concen: 4.825 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion: 50 Resp: 44869
 Ion Ratio Lower Upper
 50 100
 52 34.4 22.7 42.1





#5

Vinyl chloride

Concen: 5.253 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

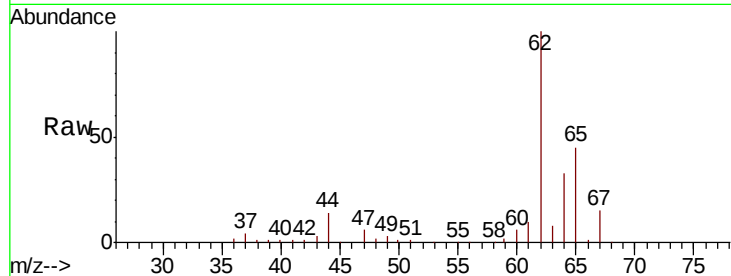
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 47037

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

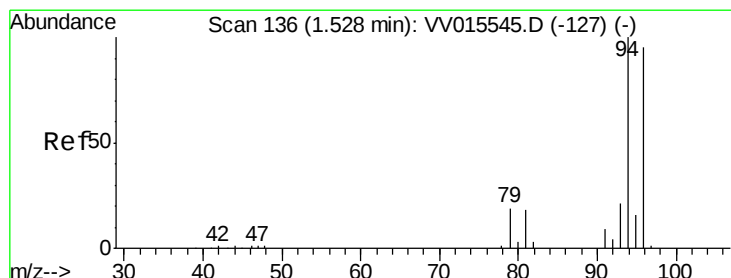
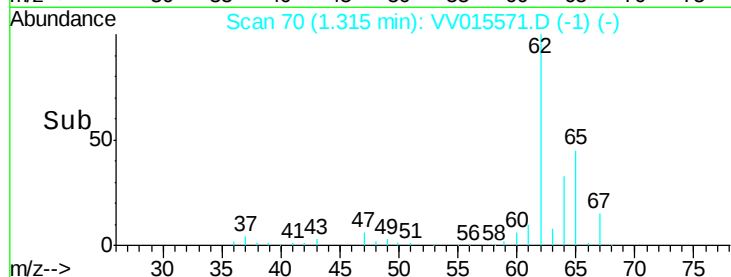
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.035 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015571.D

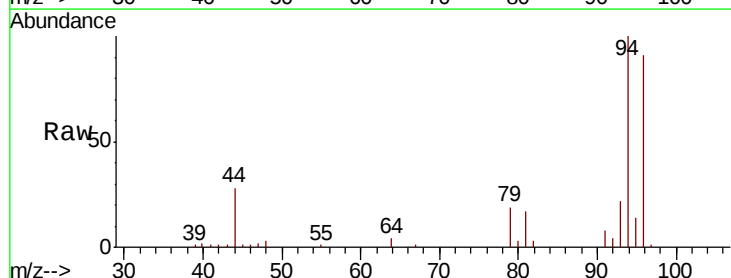
Acq: 20 Apr 2020 10:01

Tgt Ion: 94 Resp: 19964

Ion Ratio Lower Upper

94 100

96 91.2 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

20000

15000

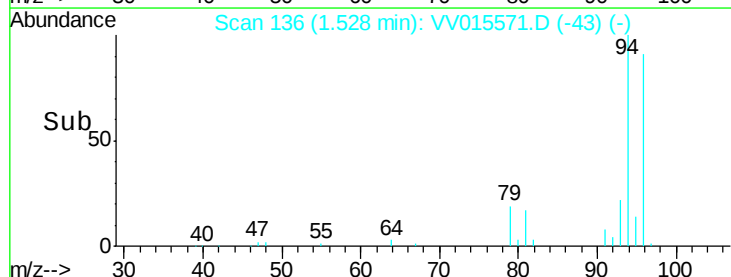
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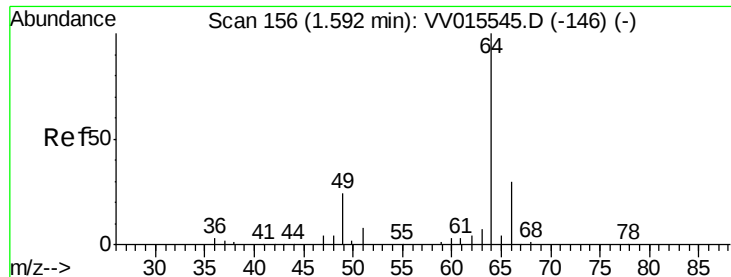
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.421 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

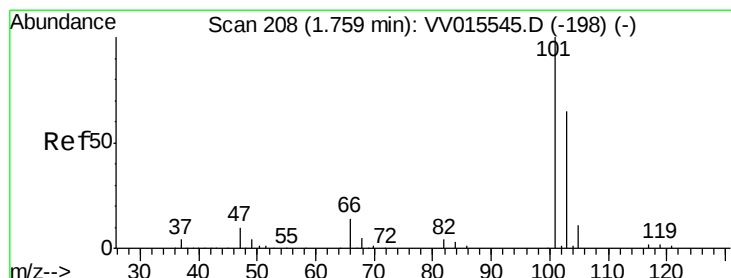
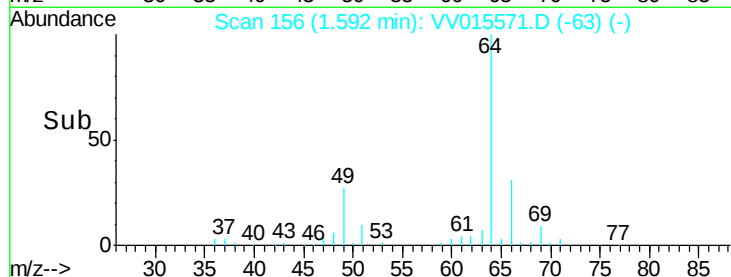
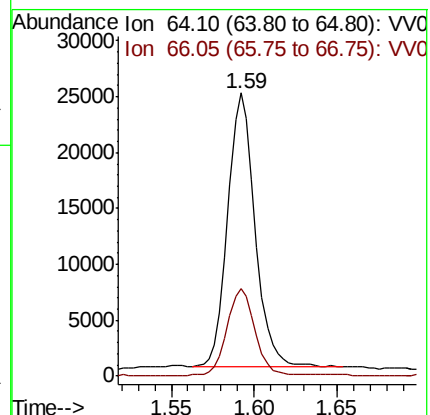
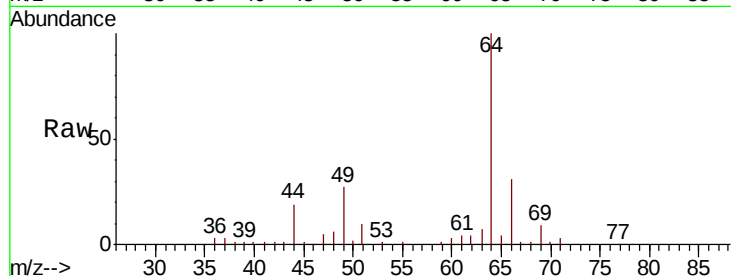
ClientSampled :

Tot Ion: 64 Resp: 28151

Ion Ratio Lower Upper

64 100

66 30.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.672 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015571.D

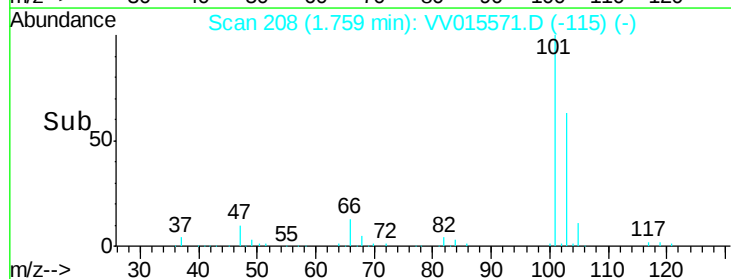
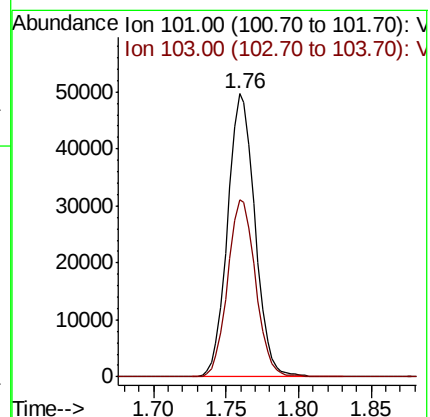
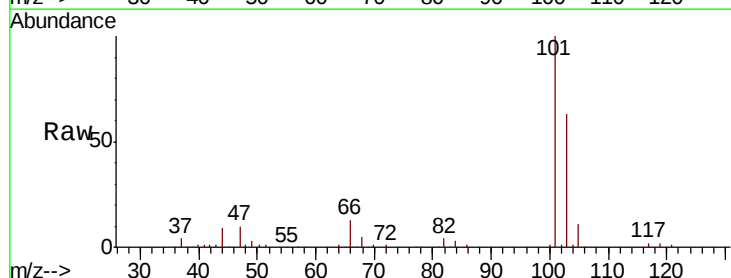
Acq: 20 Apr 2020 10:01

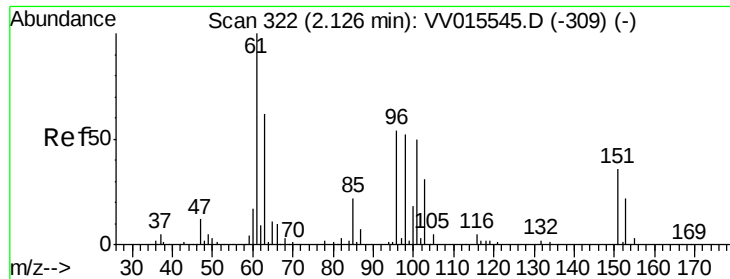
Tgt Ion:101 Resp: 64971

Ion Ratio Lower Upper

101 100

103 63.8 51.9 77.9





#10

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

Concen: 5.615 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

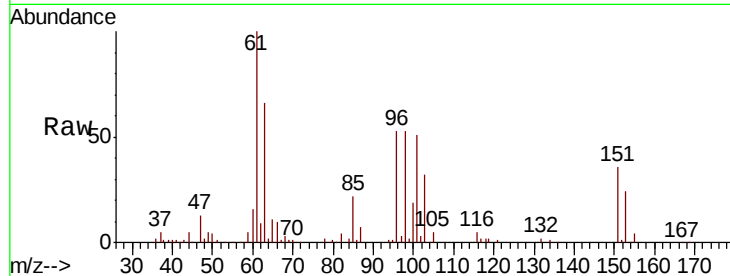
Tot Ion:101 Resp: 36332

Ion Ratio Lower Upper

101 100

85 45.0 36.3 54.5

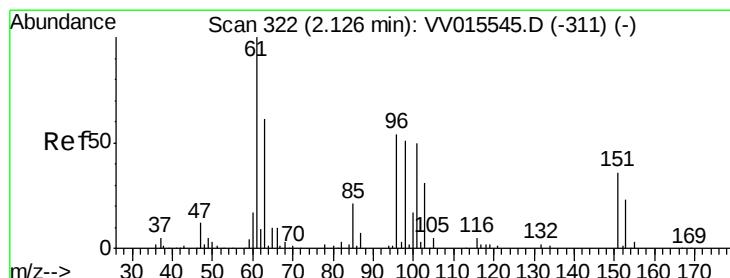
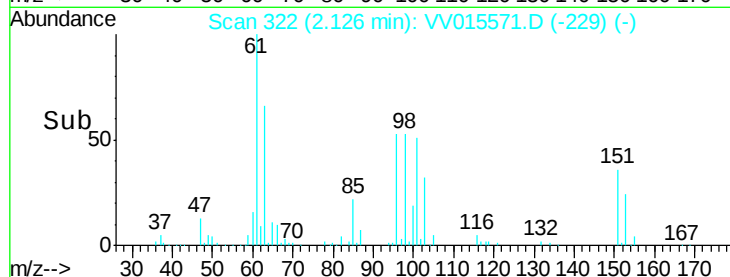
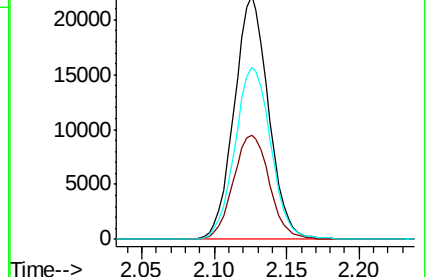
151 74.3 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015571.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015571.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015571.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.391 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

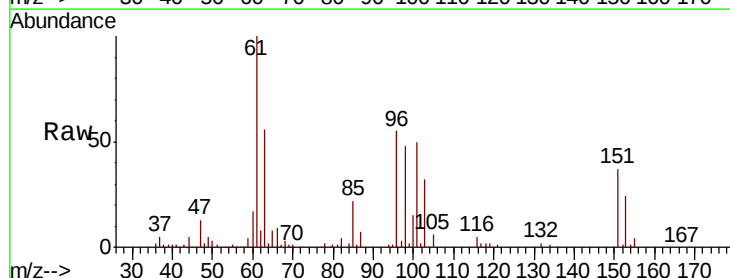
Tgt Ion: 96 Resp: 33383

Ion Ratio Lower Upper

96 100

61 182.1 127.7 237.1

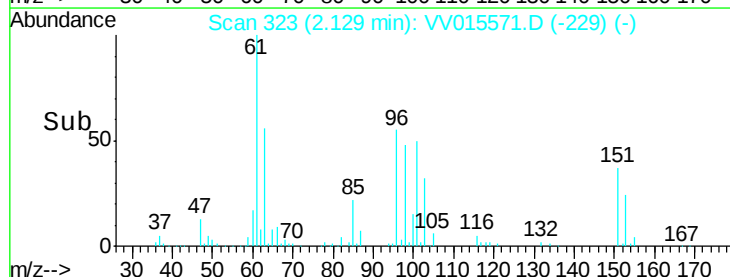
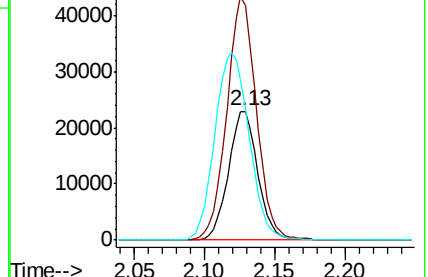
63 102.7 75.1 139.5

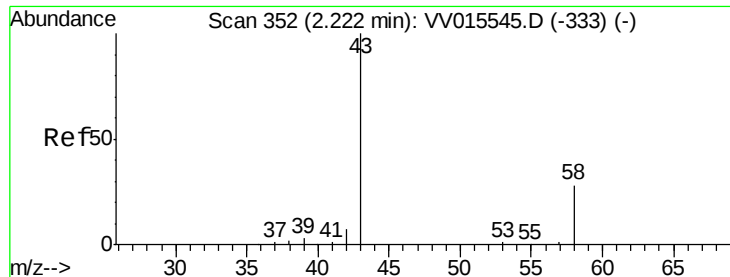


Abundance Ion 96.00 (95.70 to 96.70): VV015571.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015571.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015571.D (-229) (-)





#13

Acetone

Concen: 68.821 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

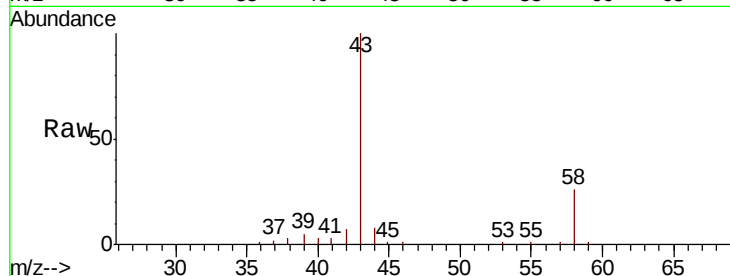
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 69880

Ion Ratio Lower Upper

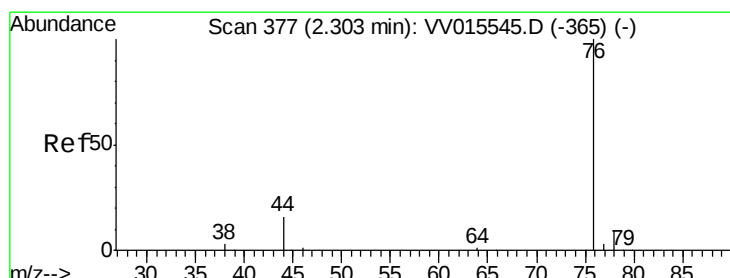
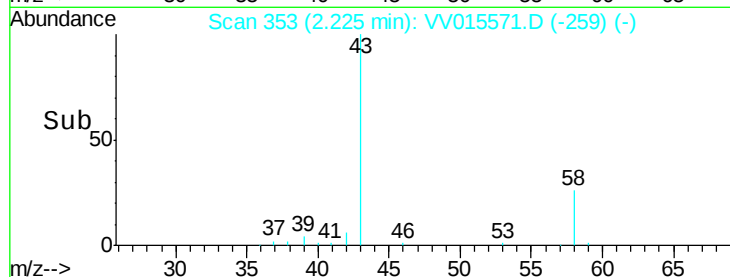
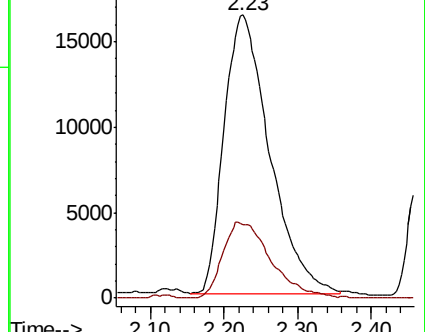
43 100

58 28.9 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015545.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV015545.D (-333) (-)



#14

Carbon disulfide

Concen: 4.716 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015571.D

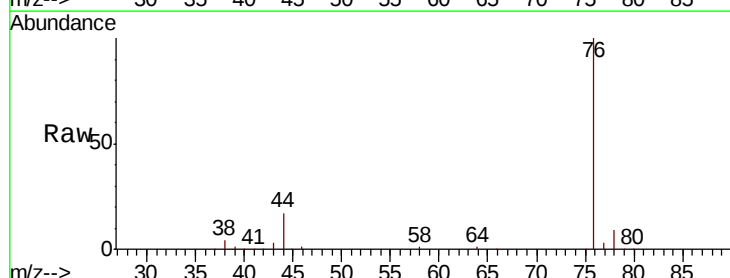
Acq: 20 Apr 2020 10:01

Tgt Ion: 76 Resp: 101819

Ion Ratio Lower Upper

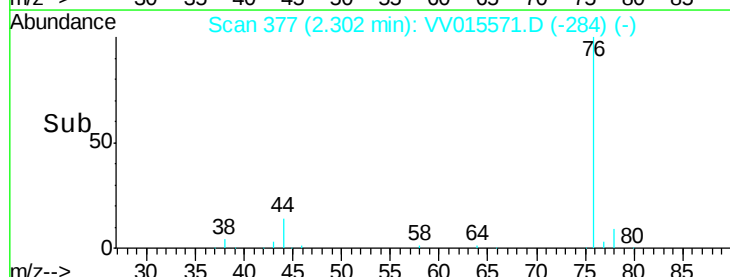
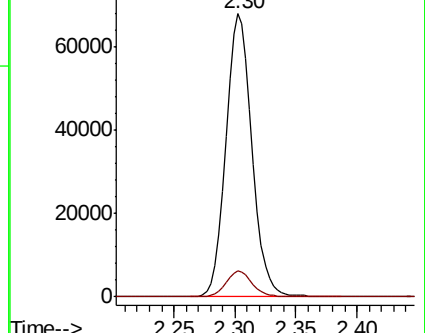
76 100

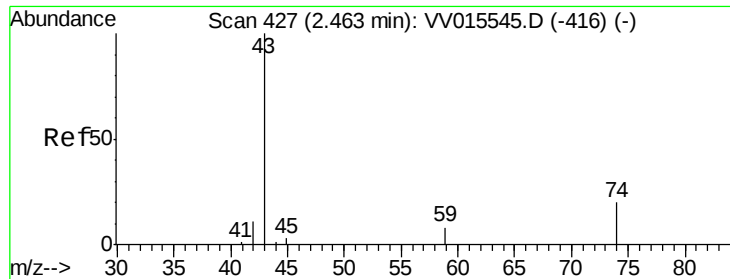
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015545.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015545.D (-365) (-)

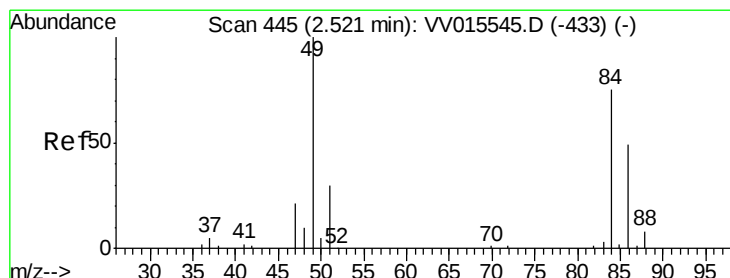
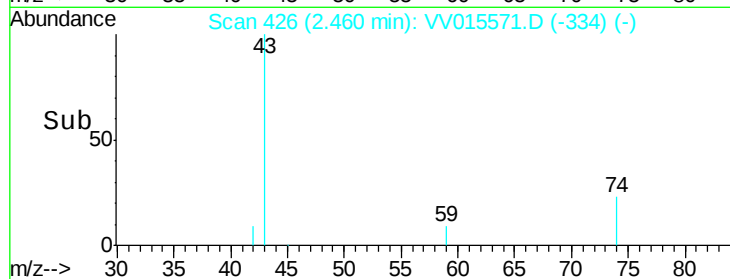
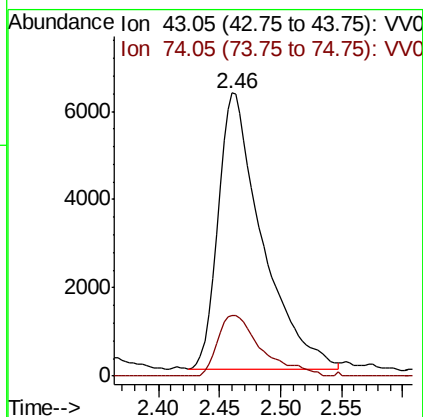
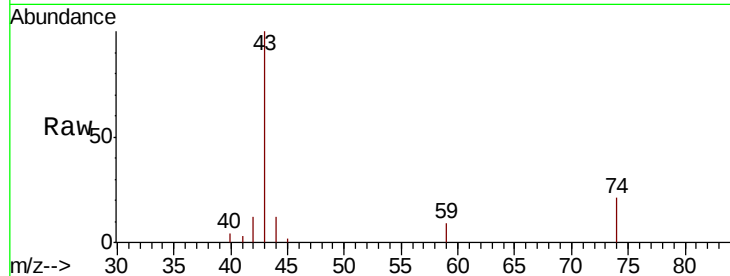




#15
Methvl Acetate
Concen: 5.209 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

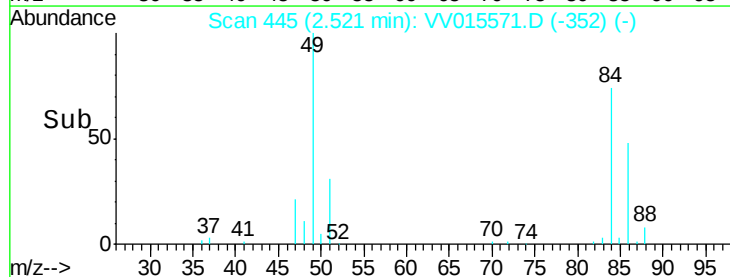
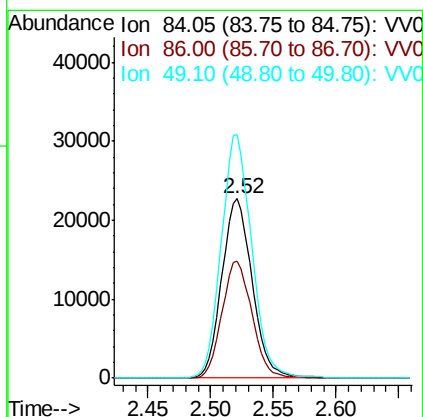
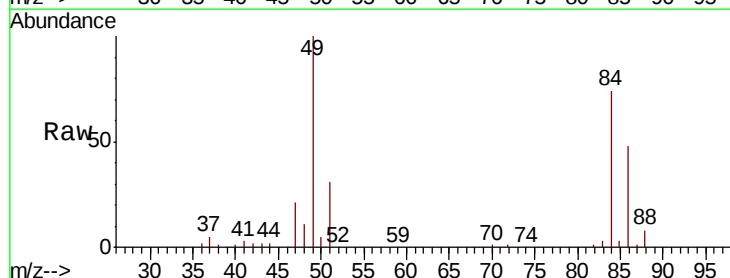
Instrument :
MSVOA_V
ClientSampleId :

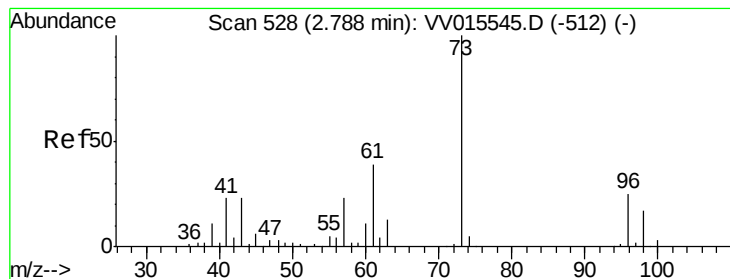
Tot Ion: 43 Resp: 15649
Ion Ratio Lower Upper
43 100
74 22.3 15.4 23.2



#16
Methylene chloride
Concen: 5.287 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

Tgt Ion: 84 Resp: 38357
Ion Ratio Lower Upper
84 100
86 65.2 45.1 83.7
49 135.9 97.9 181.7



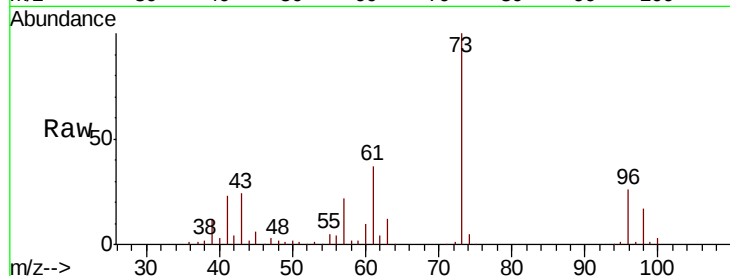


#17

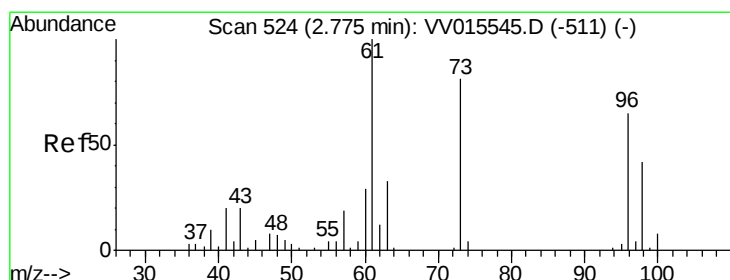
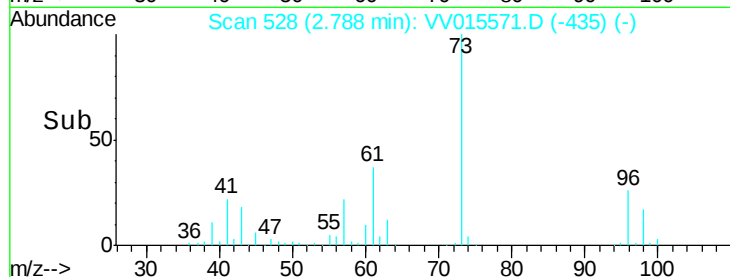
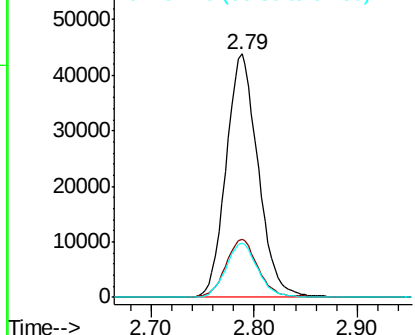
Methvl tert-butvl Ether
 Concen: 5.724 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	73	Resp	94738
Ion	Ratio	Lower	Upper
73	100		
43	24.3	18.3	27.5
57	22.4	18.4	27.6



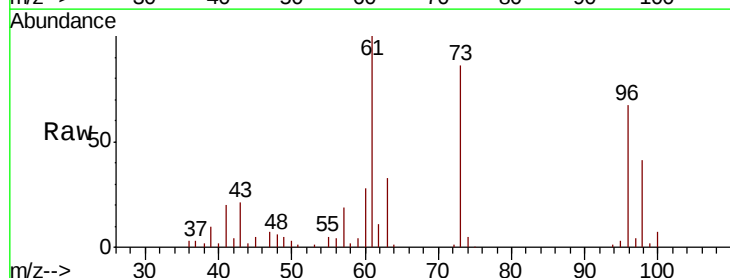
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



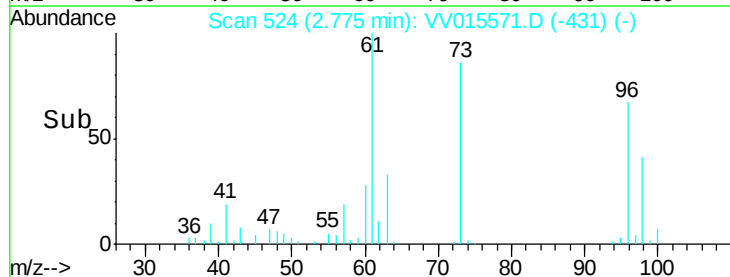
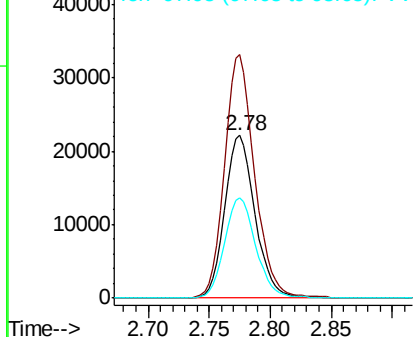
#18

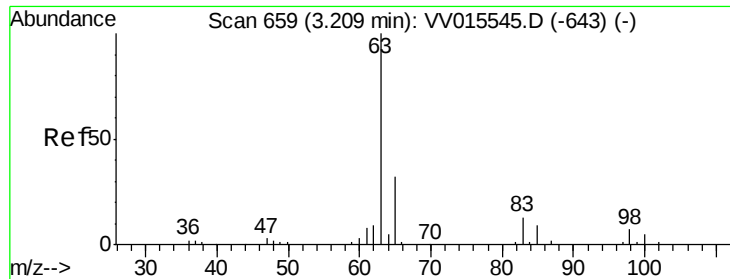
trans-1,2-Dichloroethene
 Concen: 5.533 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion	96	Resp	38609
Ion	Ratio	Lower	Upper
96	100		
61	149.5	104.4	194.0
98	61.6	42.8	79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

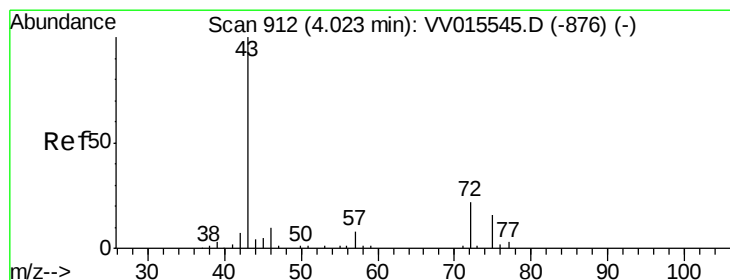
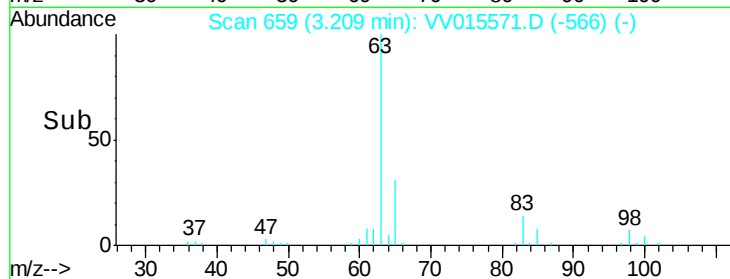
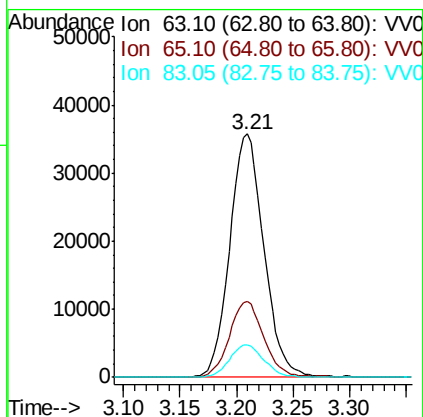
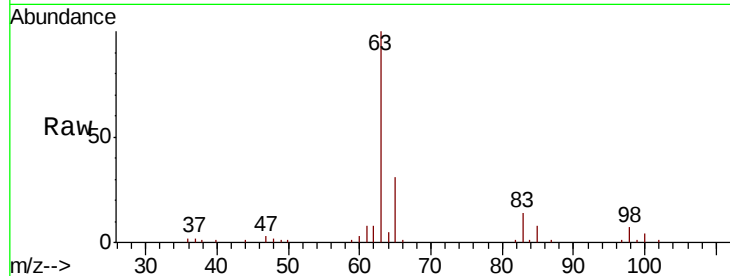




#19
 1,1-Dichloroethane
 Concen: 5.713 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

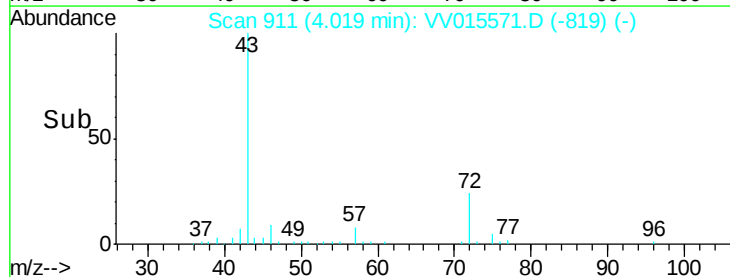
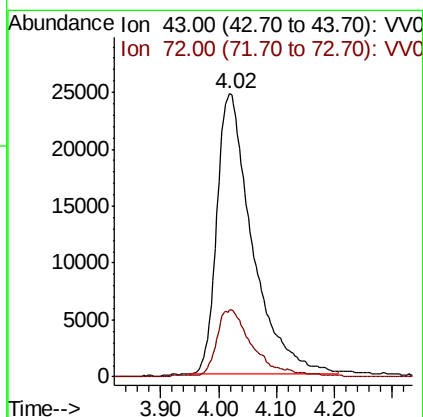
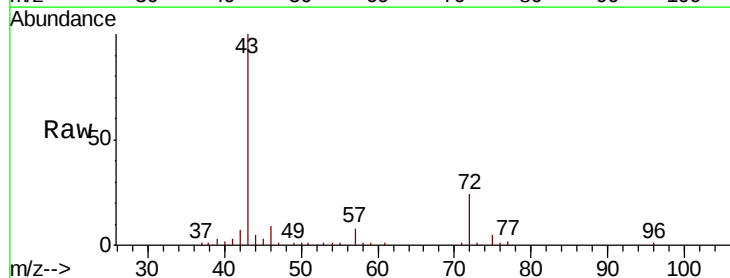
Instrument :
 MSVOA_V
 ClientSampleId :

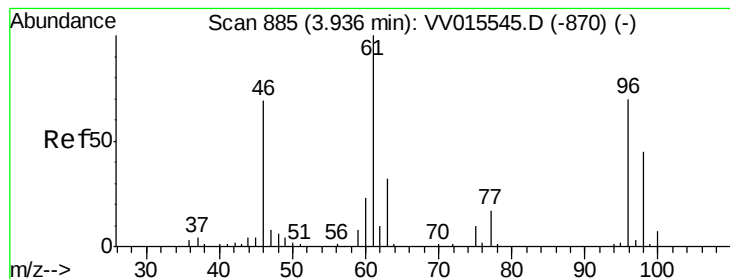
Tot Ion: 63 Resp: 75145
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 63.835 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion: 43 Resp: 104743
 Ion Ratio Lower Upper
 43 100
 72 22.2 5.9 17.8#





#22

cis-1,2-Dichloroethene

Concen: 5.606 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampled :

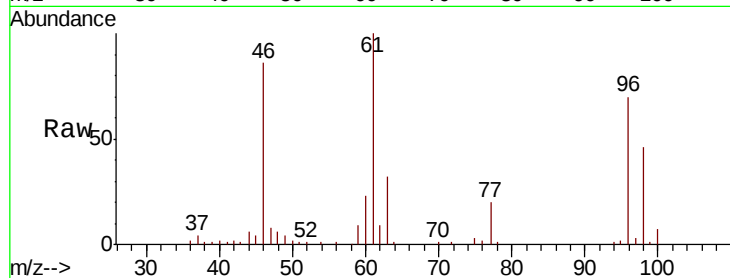
Tot Ion: 96 Resp: 40613

Ion Ratio Lower Upper

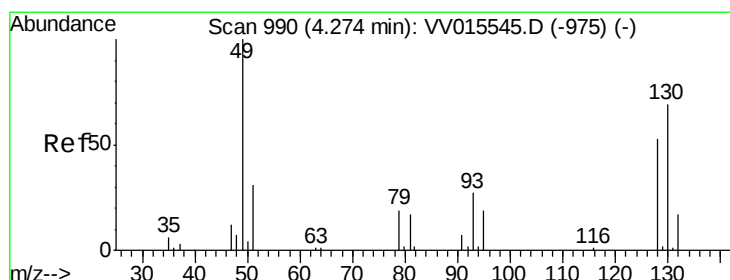
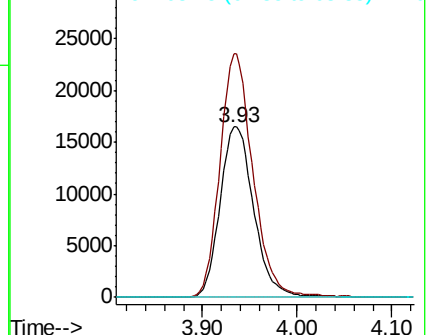
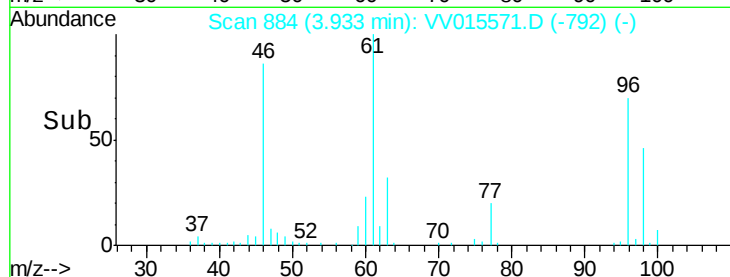
96 100

61 142.5 100.0 185.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015571.D (-792) (-)



#23

Bromochloromethane

Concen: 5.643 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Tgt Ion: 128 Resp: 17011

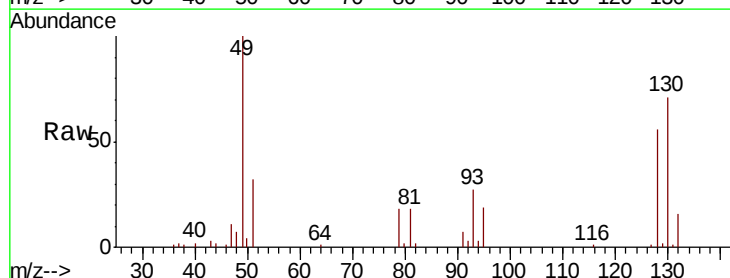
Ion Ratio Lower Upper

128 100

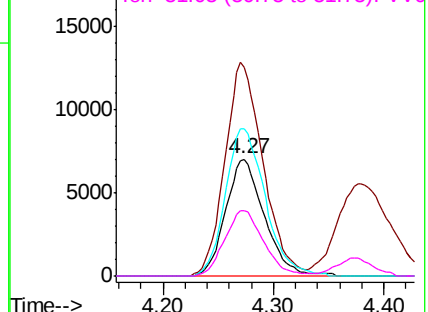
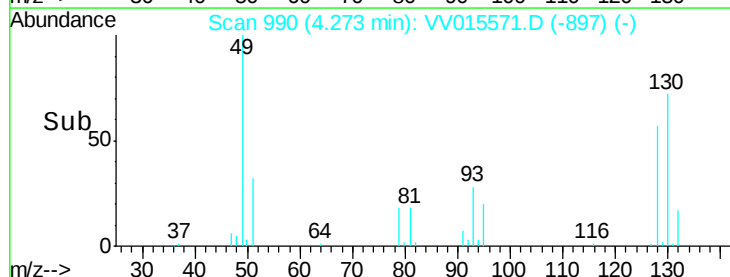
49 179.1 128.8 239.2

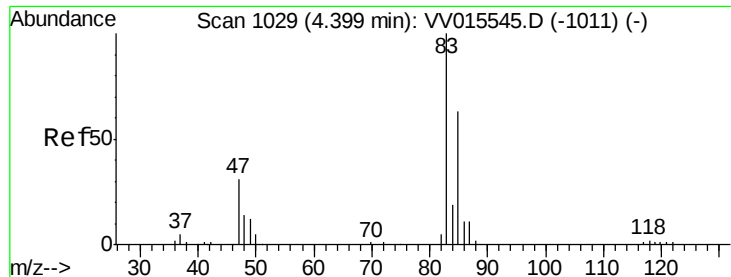
130 126.6 93.5 173.7

51 56.5 47.8 71.6



Abundance Ion 127.90 (127.60 to 128.60): VV015571.D (-897) (-)

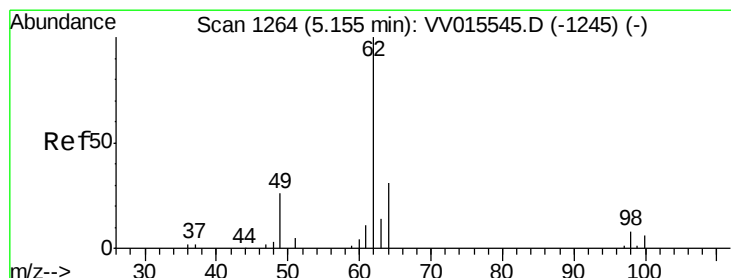
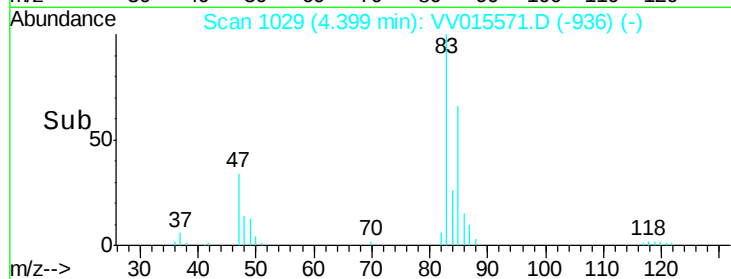
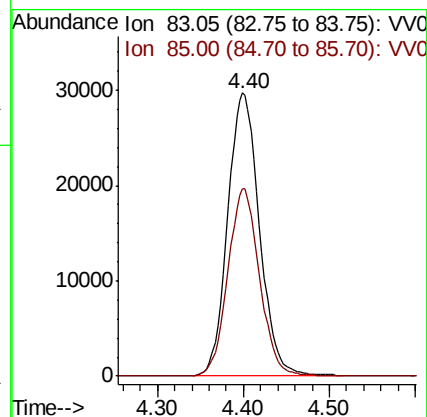
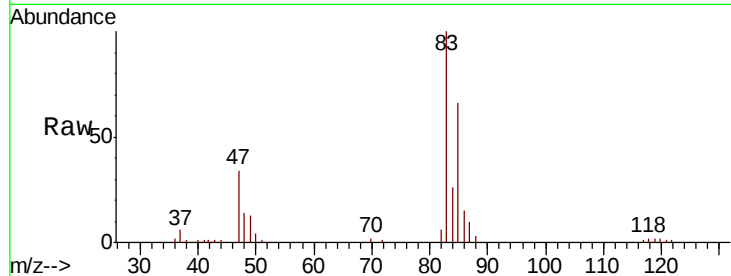




#25
Chloroform
Concen: 5.657 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

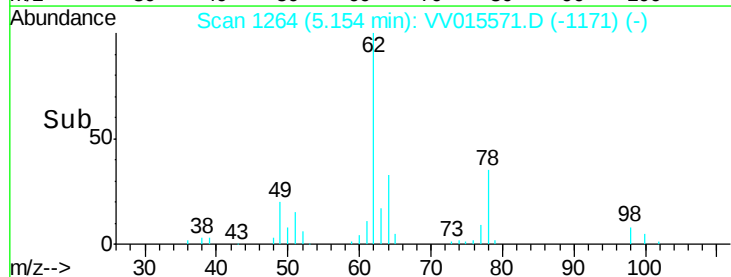
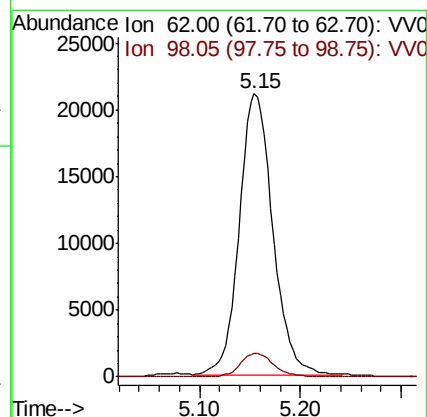
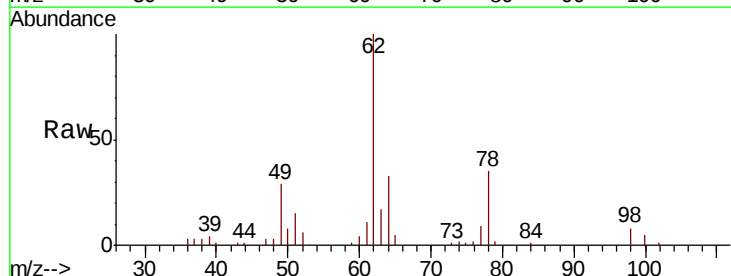
Instrument :
MSVOA_V
ClientSampleId :

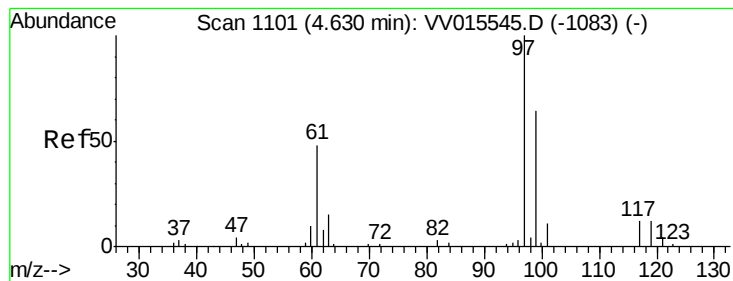
Tot Ion: 83 Resp: 76158
Ion Ratio Lower Upper
83 100
85 66.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.546 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

Tgt Ion: 62 Resp: 48274
Ion Ratio Lower Upper
62 100
98 8.1 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.802 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

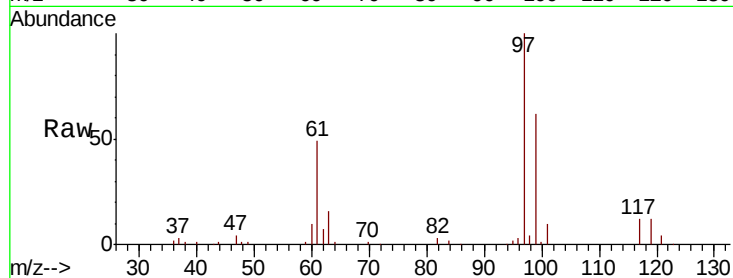
Tot Ion: 97 Resp: 70457

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

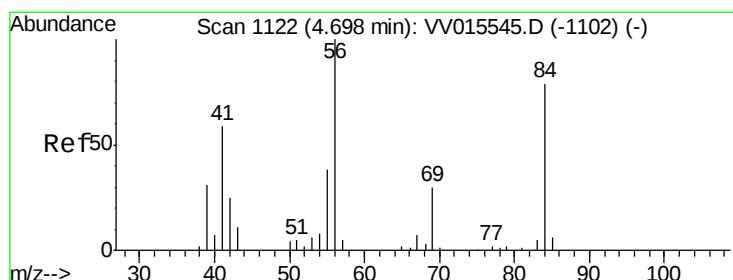
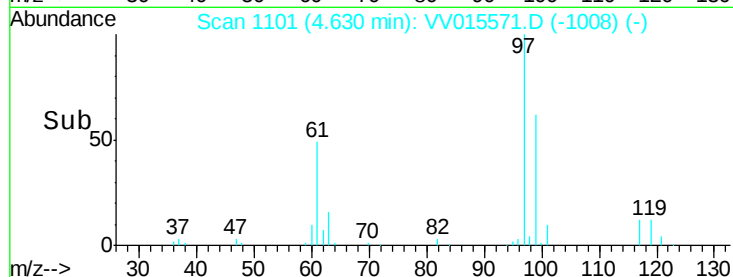
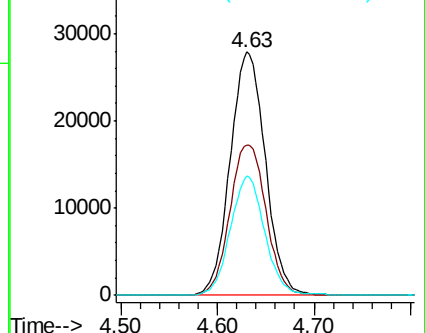
61 48.0 39.0 58.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.295 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

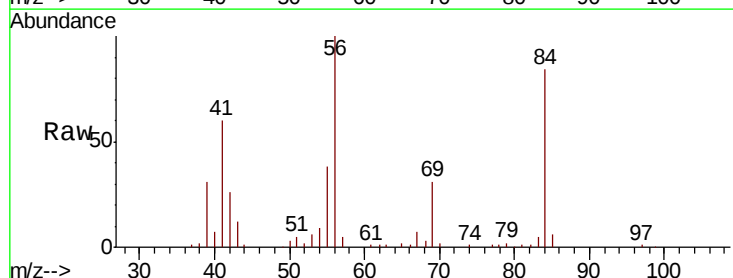
Tgt Ion: 56 Resp: 68262

Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.4

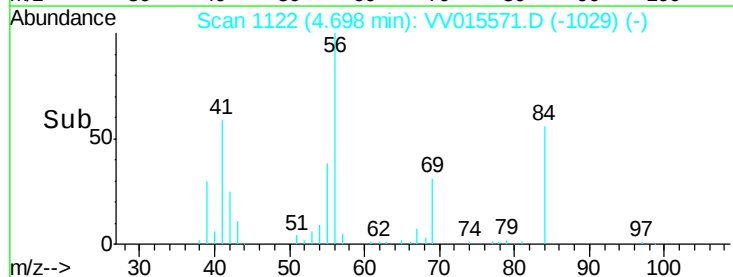
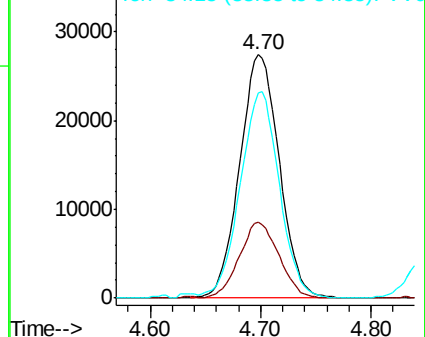
84 83.9 68.4 102.6

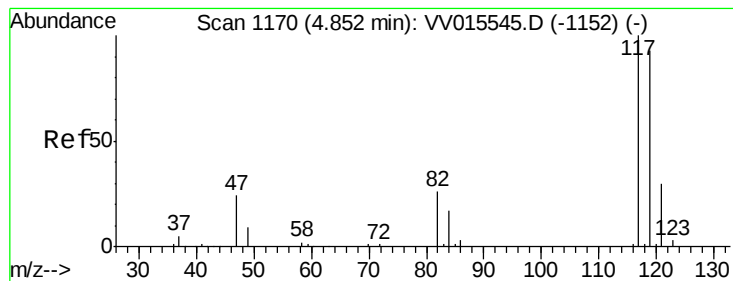


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.655 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

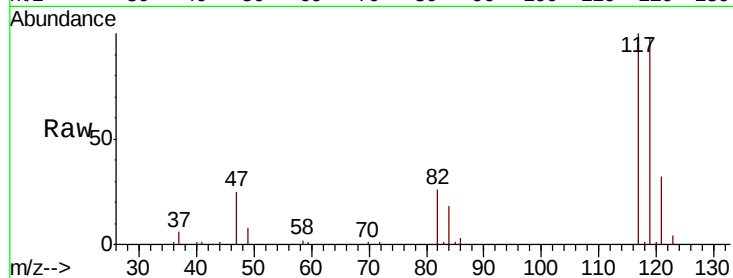
ClientSampled :

Tot Ion:117 Resp: 59767

Ion Ratio Lower Upper

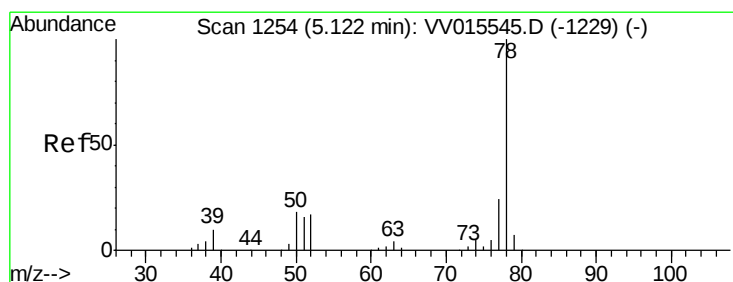
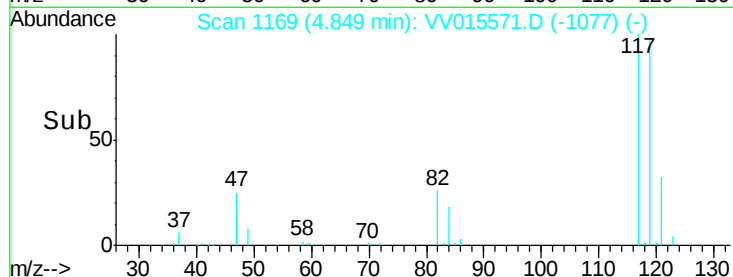
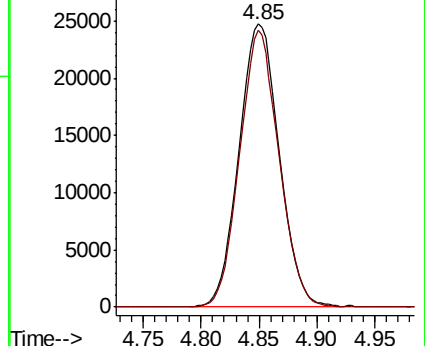
117 100

119 95.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.641 ug/L

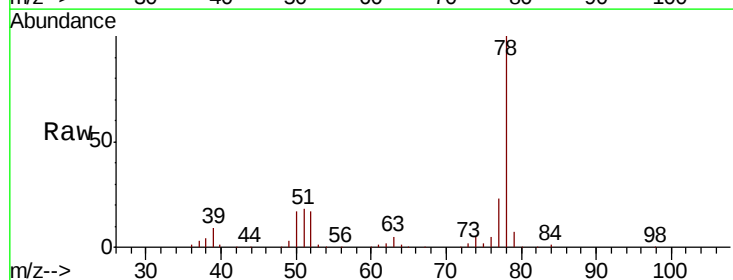
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

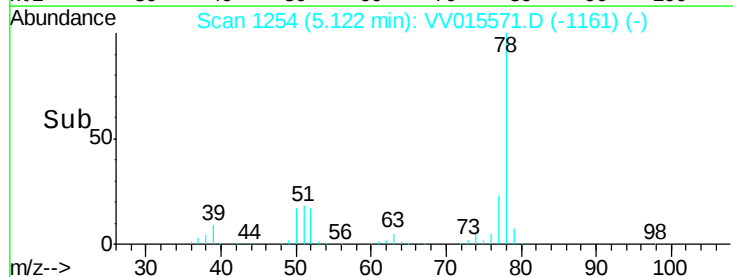
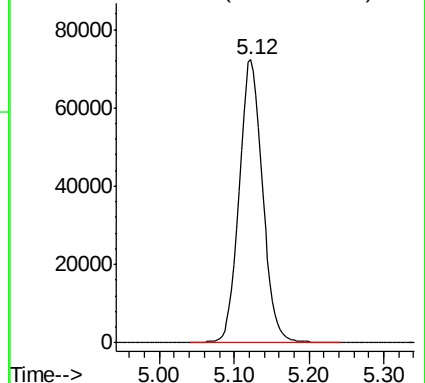
Lab File: VV015571.D

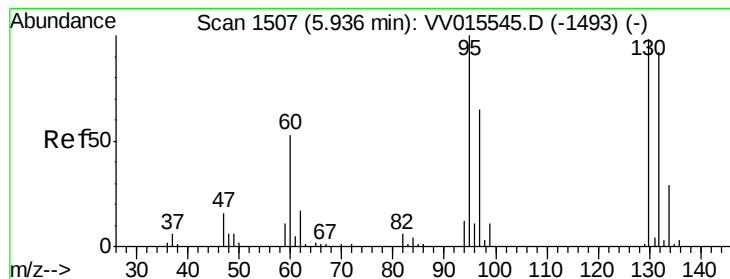
Acq: 20 Apr 2020 10:01

Tgt Ion: 78 Resp: 158006



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.736 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

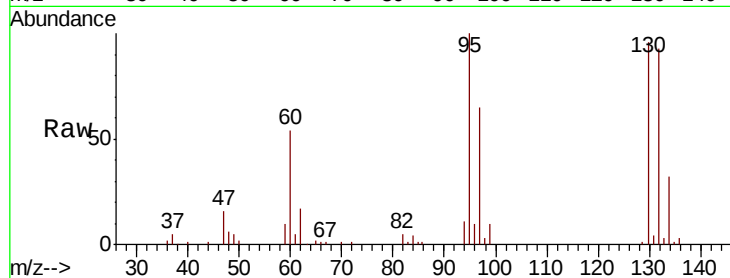
Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 43242

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.4	84.4
132	93.5	64.8	120.4
130	95.9	67.4	125.2

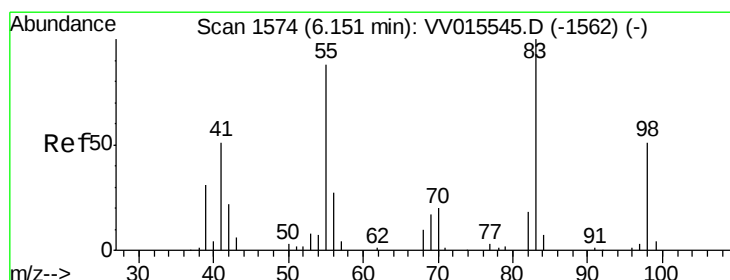
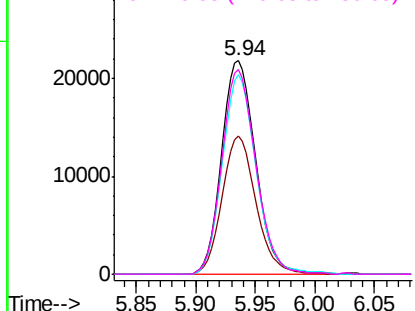
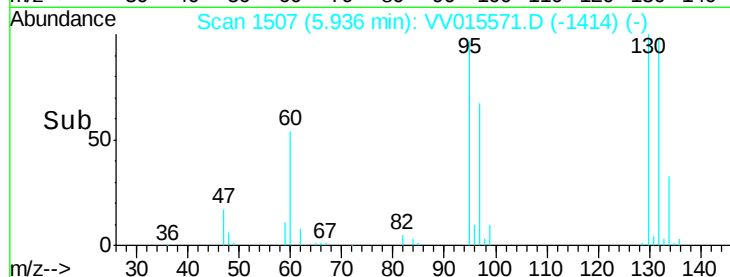


Abundance Ion 95.00 (94.70 to 95.70): VV015571.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015571.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015571.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015571.D (-1414) (-)



#35

Methylcyclohexane

Concen: 5.421 ug/L

RT: 6.15 min Scan# 1574

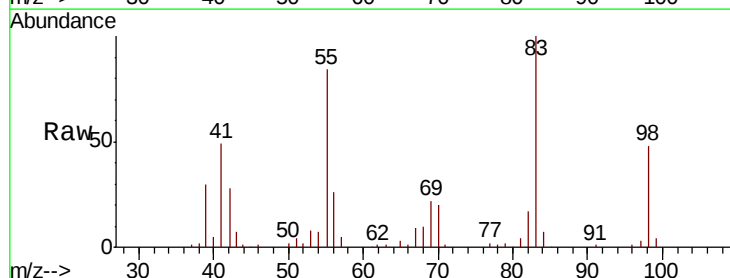
Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Tgt Ion: 83 Resp: 68858

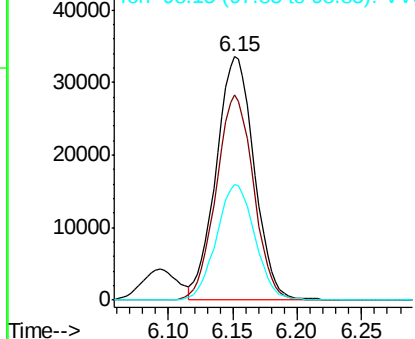
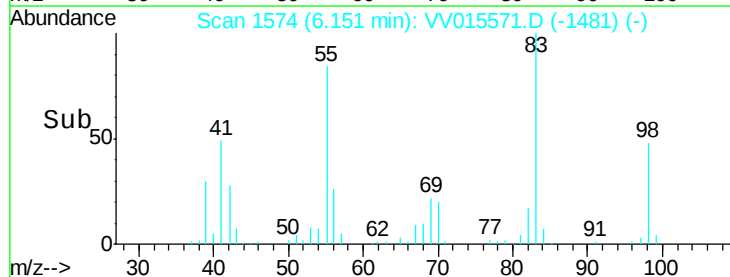
Ion	Ratio	Lower	Upper
83	100		
55	82.8	66.6	99.8
98	47.9	38.7	58.1

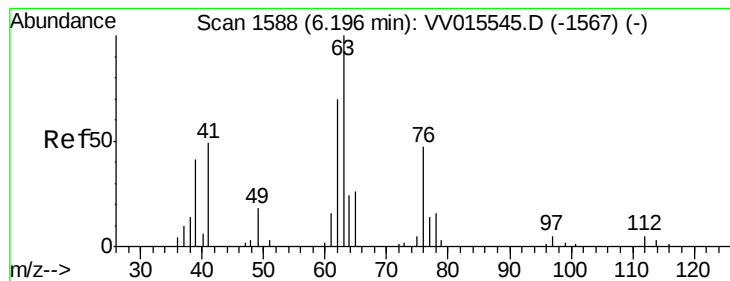


Abundance Ion 83.15 (82.85 to 83.85): VV015571.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV015571.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV015571.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 5.823 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

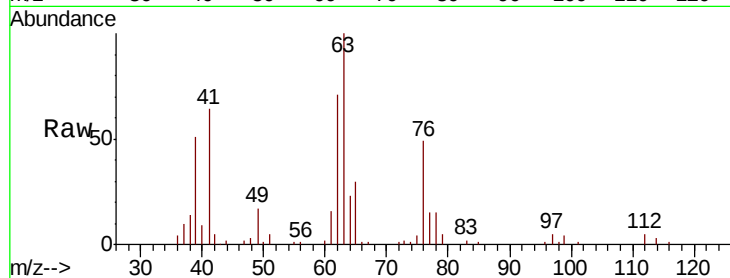
ClientSampled :

Tot Ion: 63 Resp: 40455

Ion Ratio Lower Upper

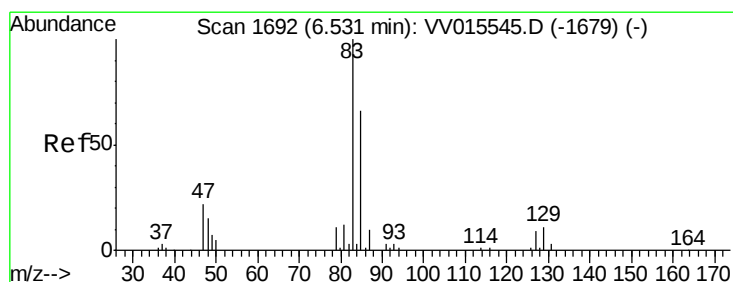
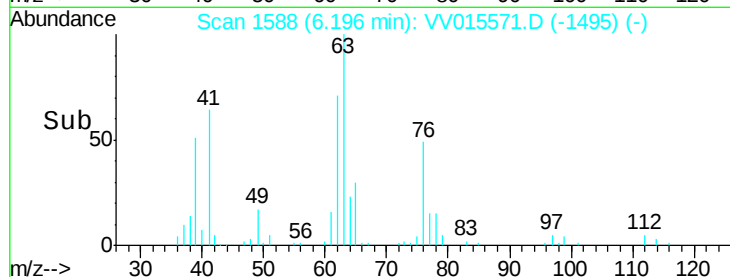
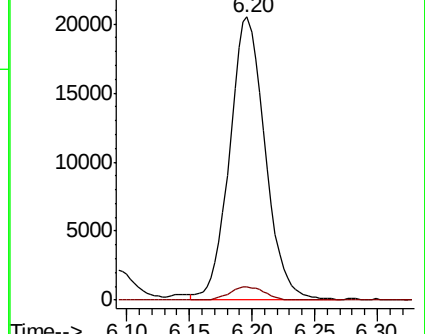
63 100

112 4.5 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015571.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015571.D (-1495) (-)



#38

Bromodichloromethane

Concen: 5.701 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

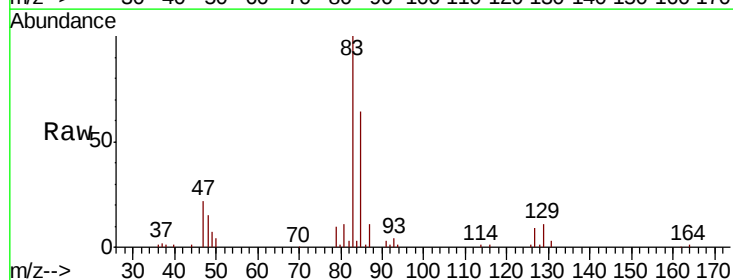
Tgt Ion: 83 Resp: 52812

Ion Ratio Lower Upper

83 100

85 63.7 42.6 79.2

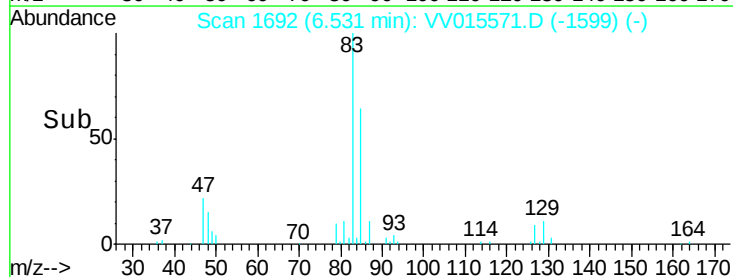
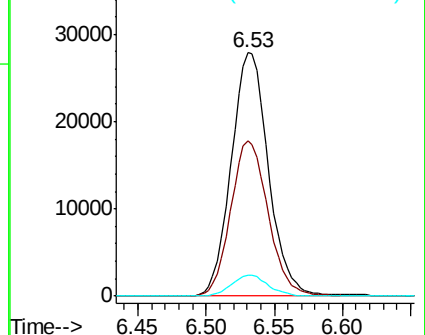
127 8.6 6.6 9.8

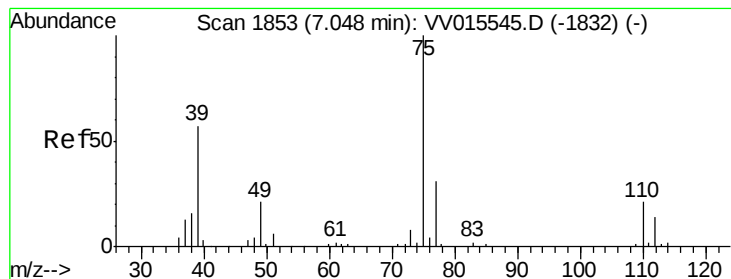


Abundance Ion 82.95 (82.65 to 83.65): VV015571.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV015571.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV015571.D (-1599) (-)



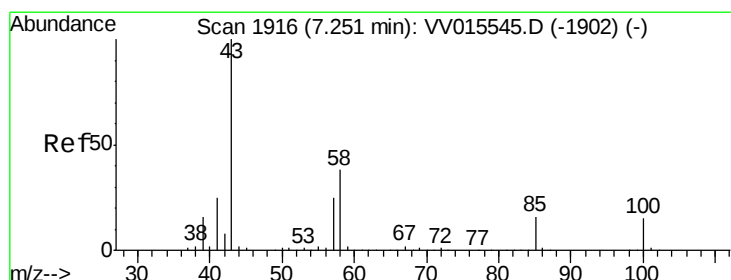
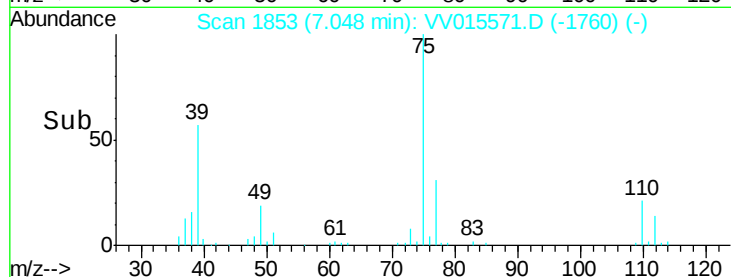
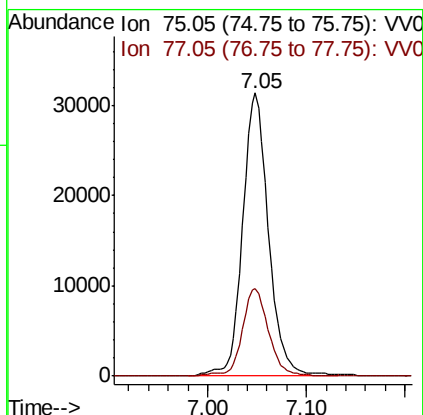
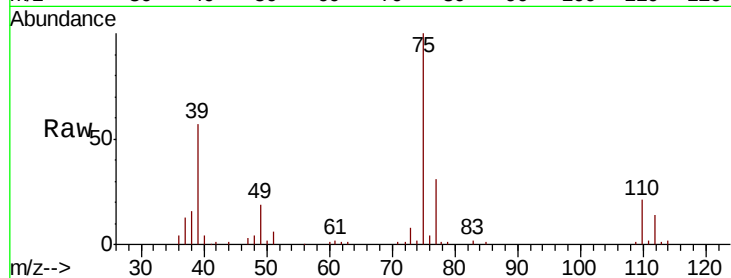


#39

cis-1,3-Dichloropropene
 Concen: 5.343 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

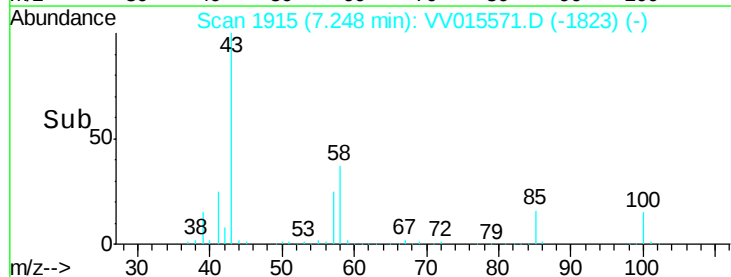
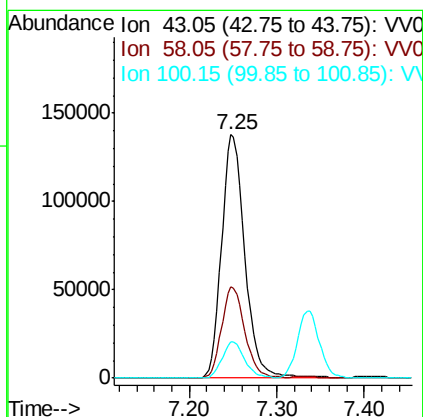
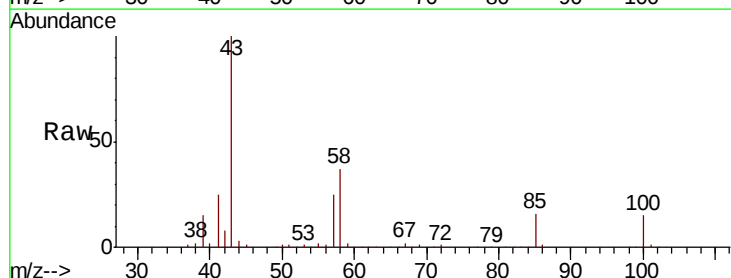
Tot Ion: 75 Resp: 56961
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.0 42.6

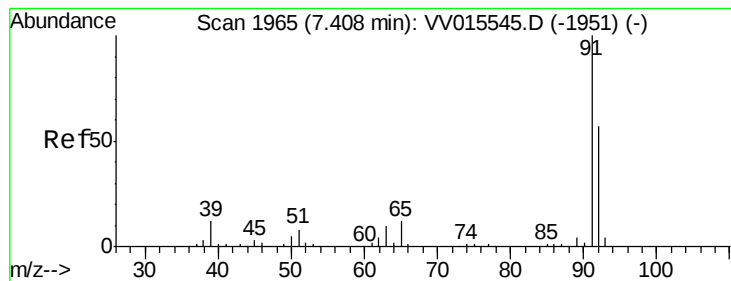


#40

4-Methyl-2-pentanone
 Concen: 55.954 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion: 43 Resp: 255251
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.0 43.6
 100 14.4 11.0 16.6





#42

Toluene

Concen: 5.552 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

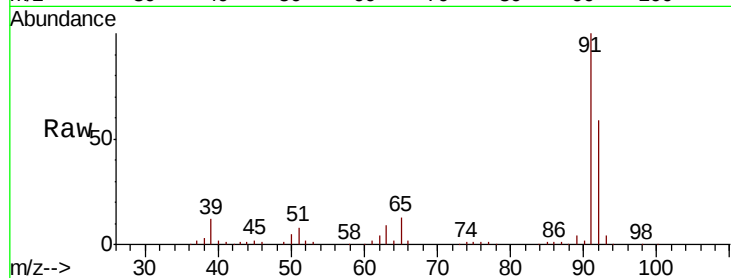
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 168847

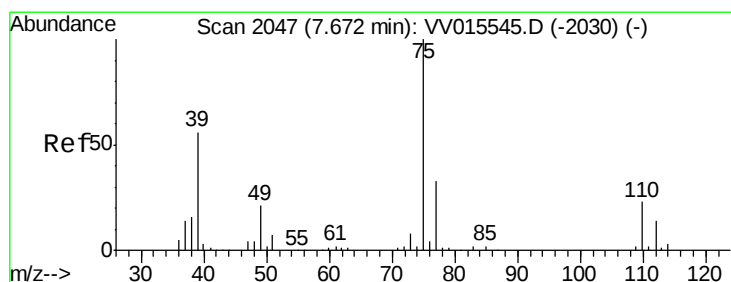
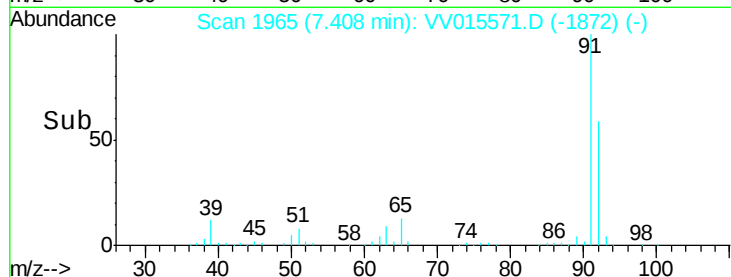
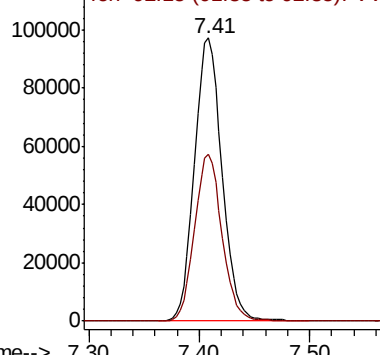
Ion Ratio Lower Upper

91 100

92 58.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.303 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015571.D

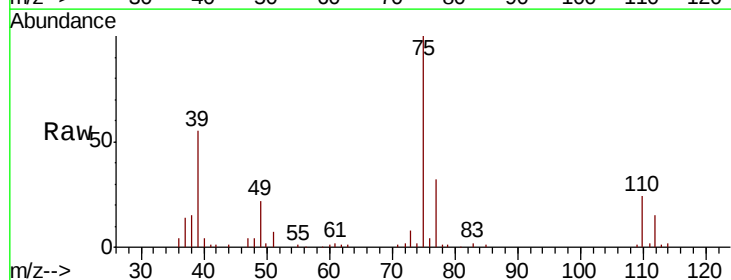
Acq: 20 Apr 2020 10:01

Tgt Ion: 75 Resp: 47808

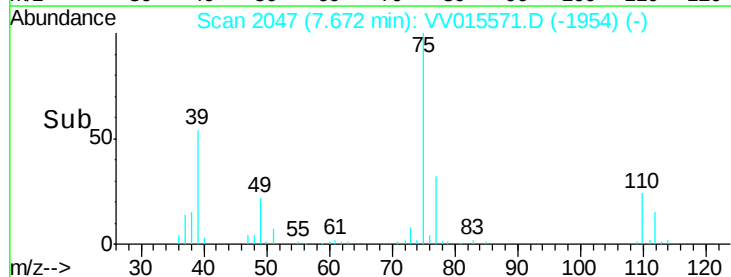
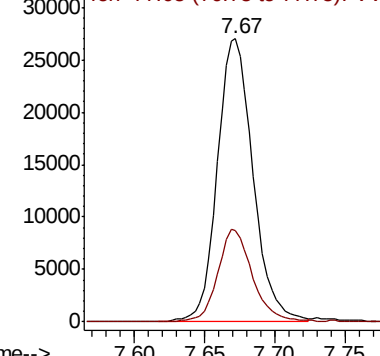
Ion Ratio Lower Upper

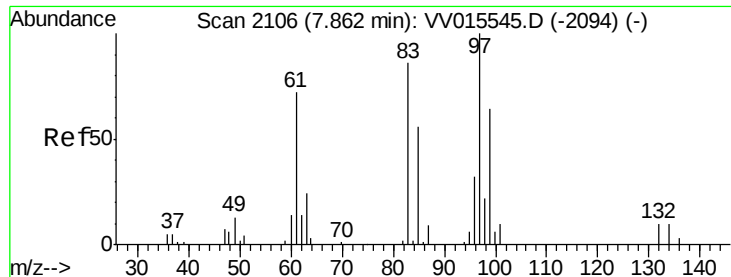
75 100

77 32.3 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

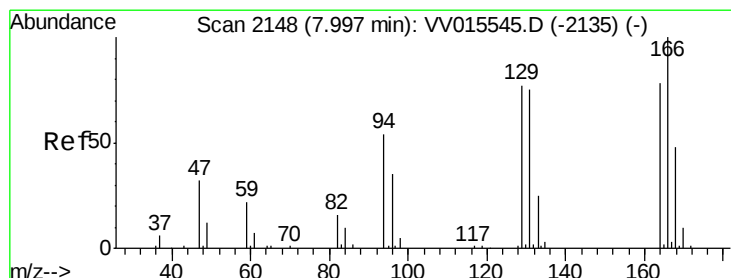
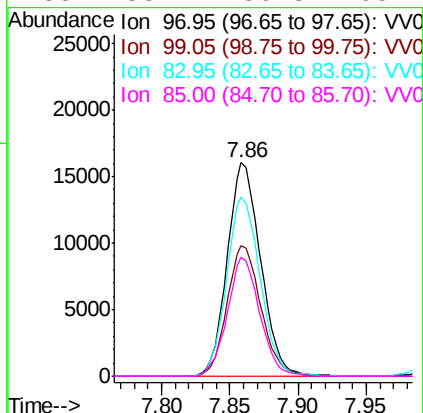
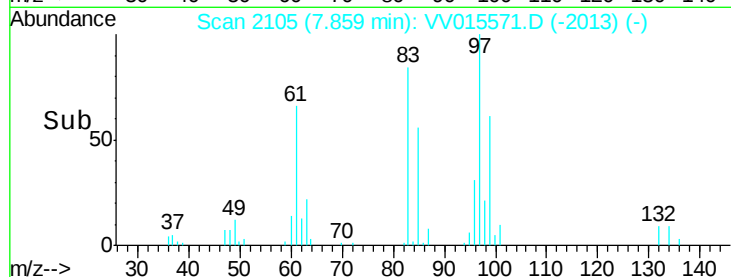
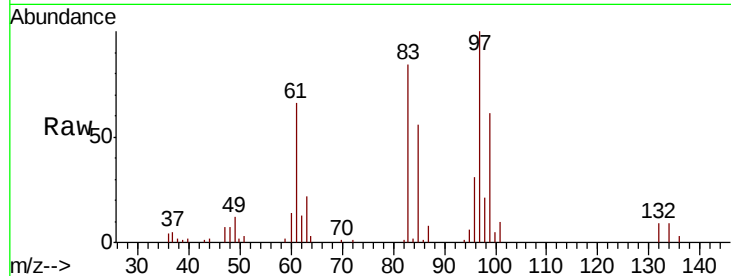




#45
 1,1,2-Trichloroethane
 Concen: 5.877 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

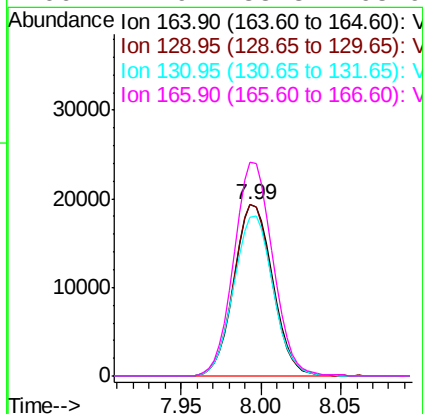
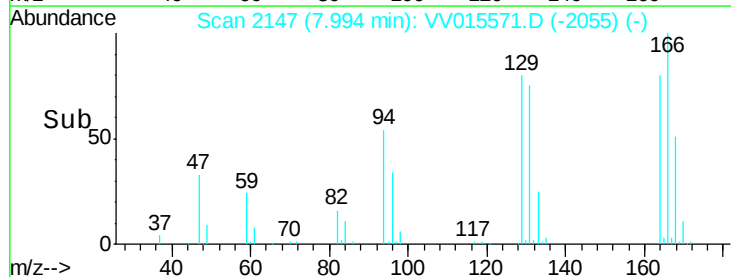
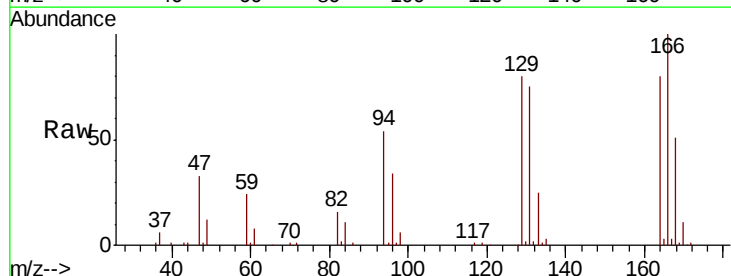
Instrument :
 MSVOA_V
 ClientSampled :

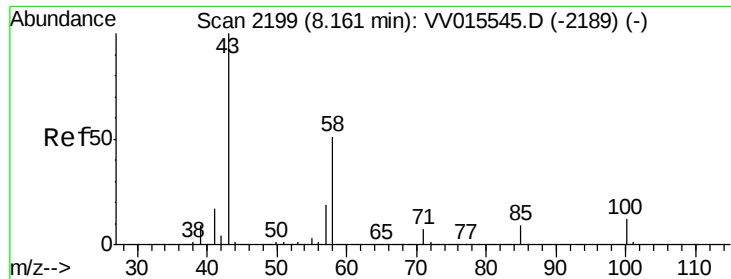
Tot Ion:	97	Resp:	27446
Ion	Ratio	Lower	Upper
97	100		
99	60.9	41.3	76.7
83	83.8	60.5	112.3
85	55.7	36.8	68.4



#47
 Tetrachloroethene
 Concen: 5.727 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion:	164	Resp:	31988
Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.6	131.0
131	93.2	68.3	126.8
166	124.9	88.3	163.9

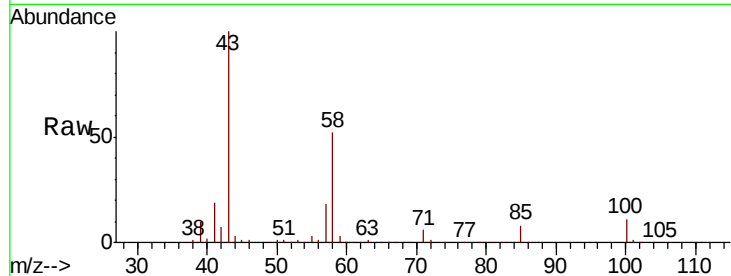




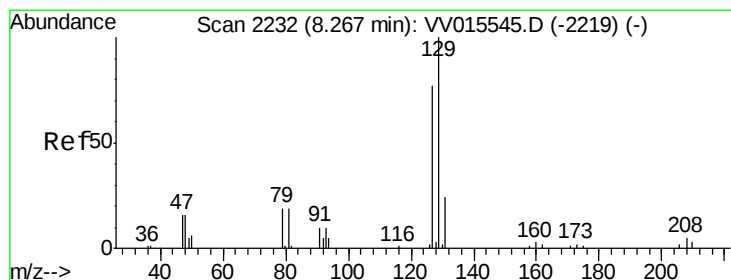
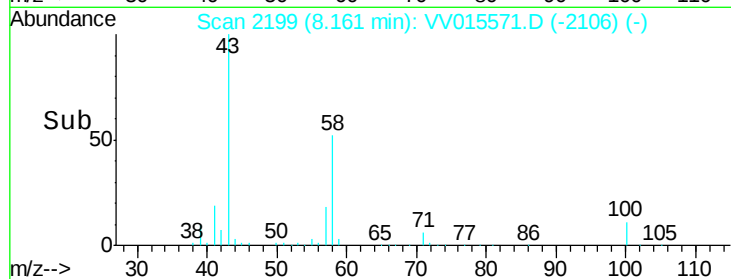
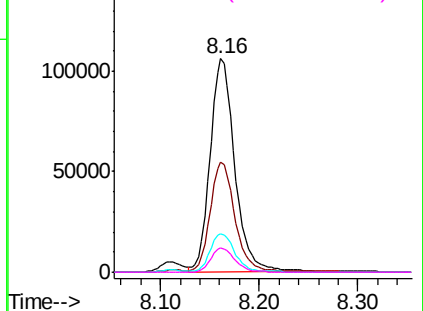
#48
2-Hexanone
Concen: 57.969 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 184766
Ion Ratio Lower Upper
43 100
58 52.6 41.4 62.0
57 18.3 15.0 22.4
100 11.3 9.4 14.2

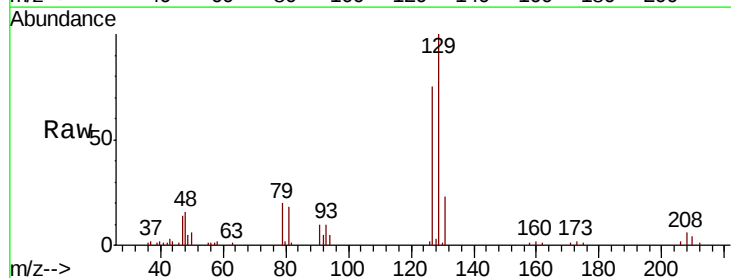


Abundance Ion 43.05 (42.75 to 43.75): VV015571.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV015571.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV015571.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV015571.D (-2106) (-)

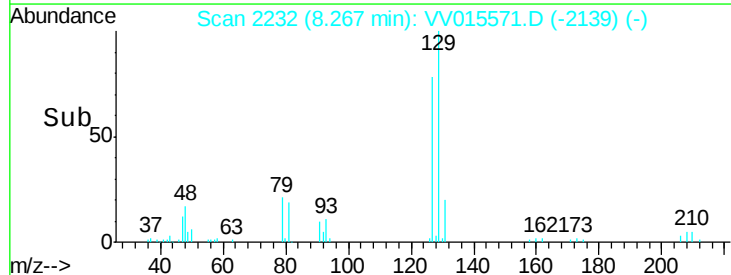
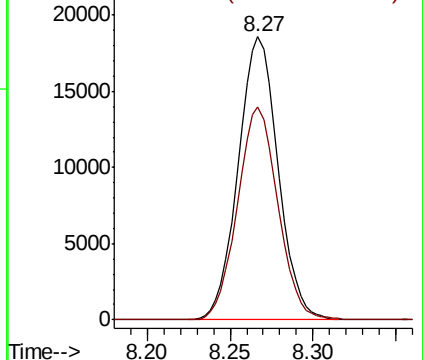


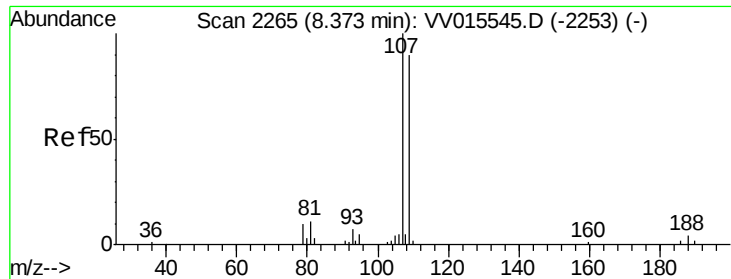
#49
Dibromochloromethane
Concen: 5.556 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

Tgt Ion: 129 Resp: 31080
Ion Ratio Lower Upper
129 100
127 75.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015571.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015571.D (-2139) (-)

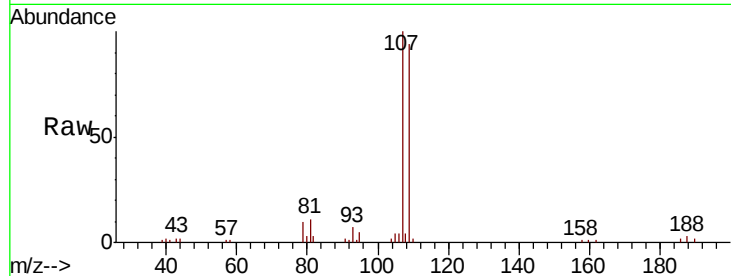




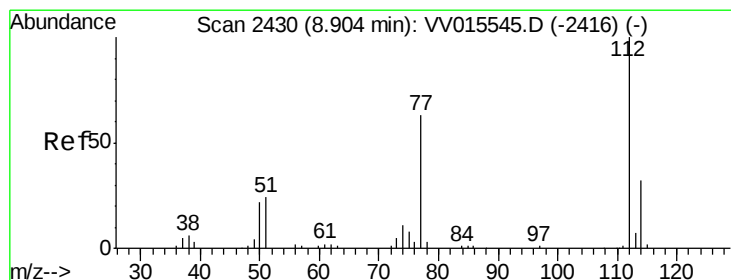
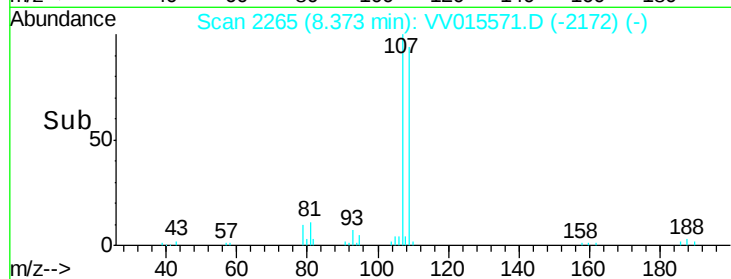
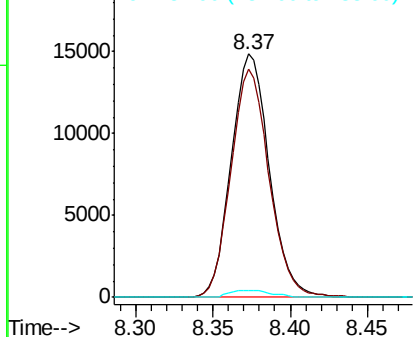
#50
 1,2-Dibromoethane
 Concen: 5.677 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.7	123.9
188	2.9	2.9	4.3#

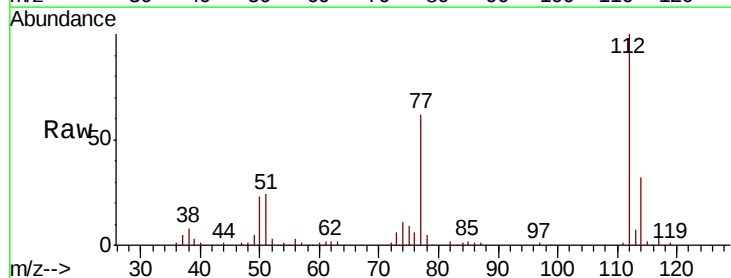


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

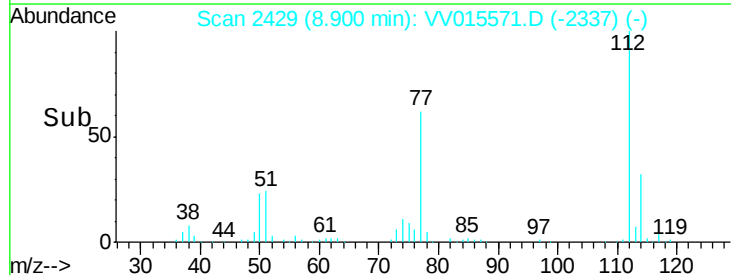
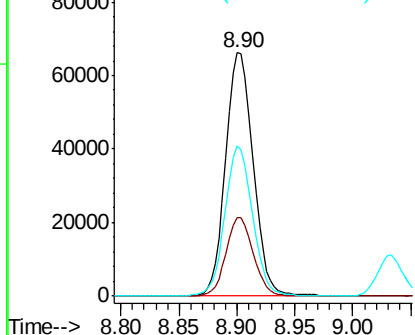


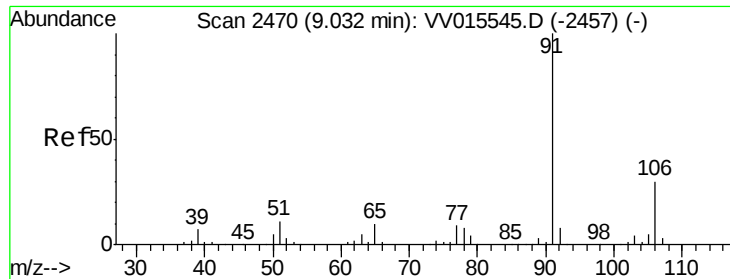
#51
 Chlorobenzene
 Concen: 5.623 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.9	42.5
77	61.7	49.8	74.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.547 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

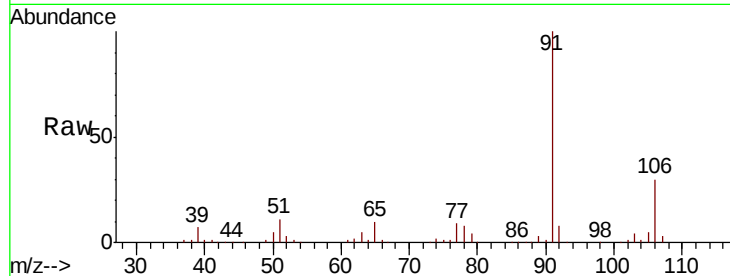
ClientSampled :

Tot Ion: 91 Resp: 194179

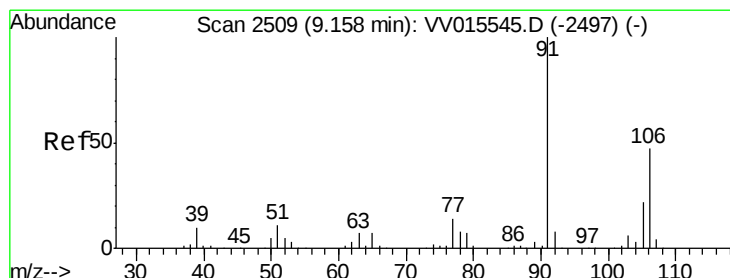
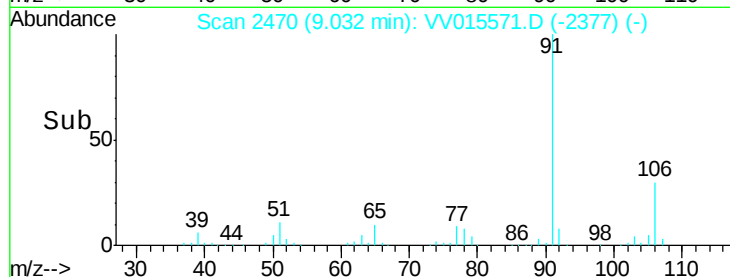
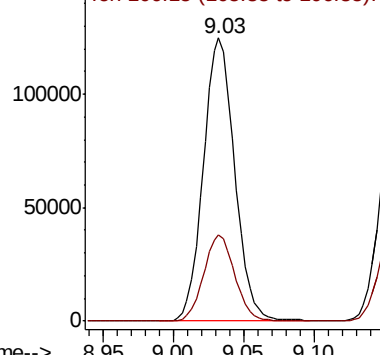
Ion Ratio Lower Upper

91 100

106 30.3 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015571.D (-2377) (-)



#53

m,p-xylene

Concen: 5.545 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015571.D

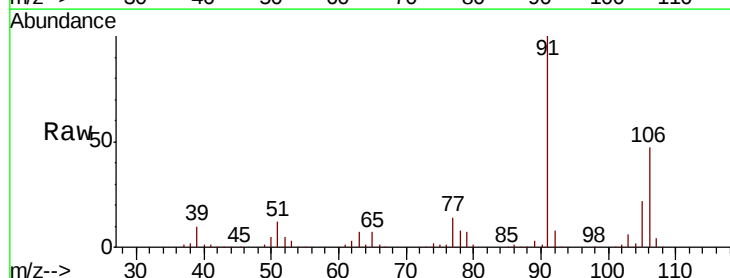
Acq: 20 Apr 2020 10:01

Tgt Ion: 106 Resp: 73307

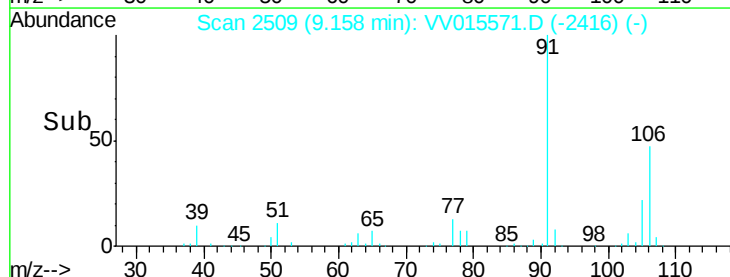
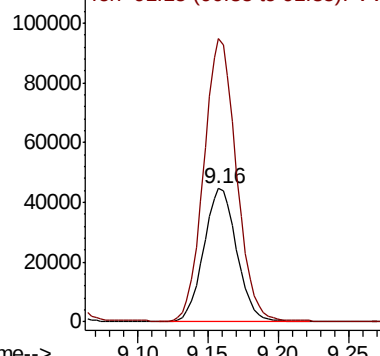
Ion Ratio Lower Upper

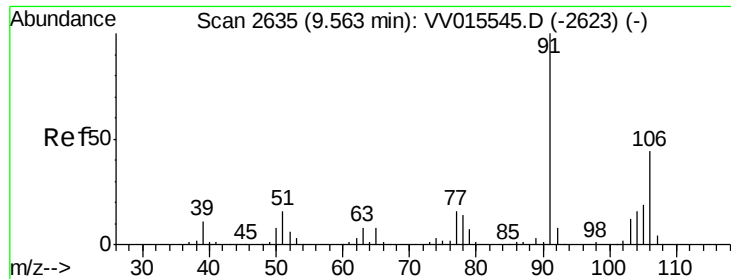
106 100

91 212.4 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015571.D (-2416) (-)

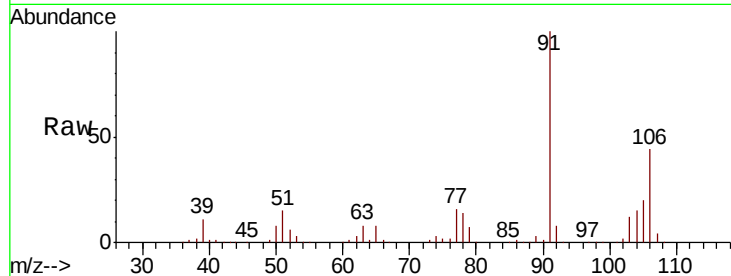




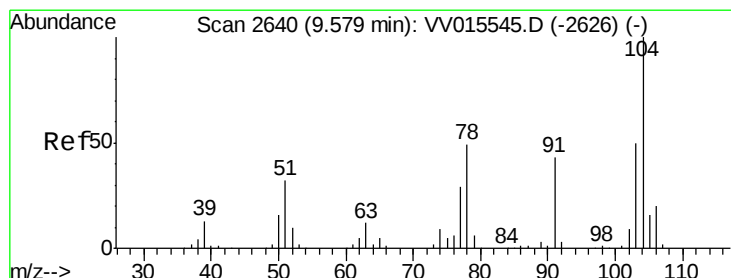
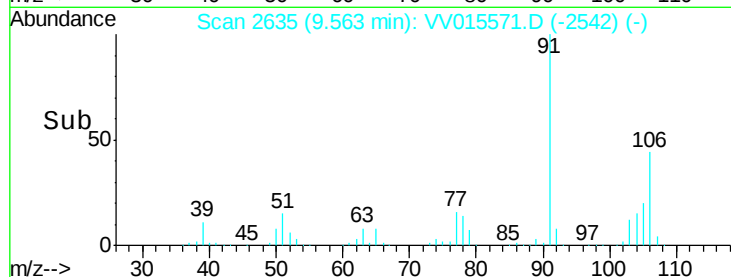
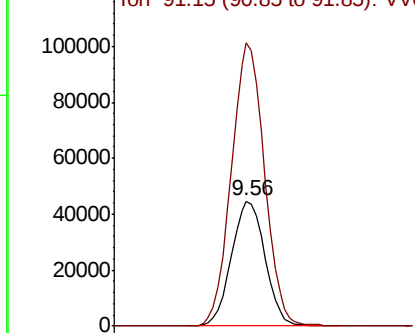
#54
o-xylene
Concen: 5.457 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 69830
Ion Ratio Lower Upper
106 100
91 226.8 154.5 286.9

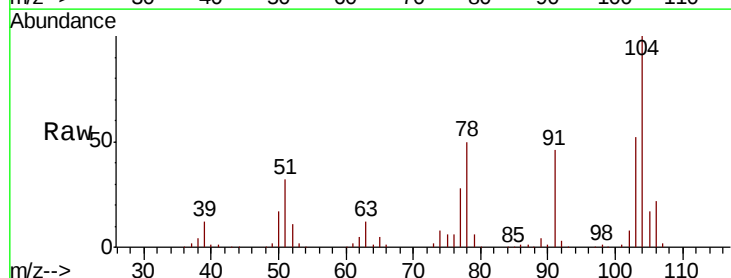


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

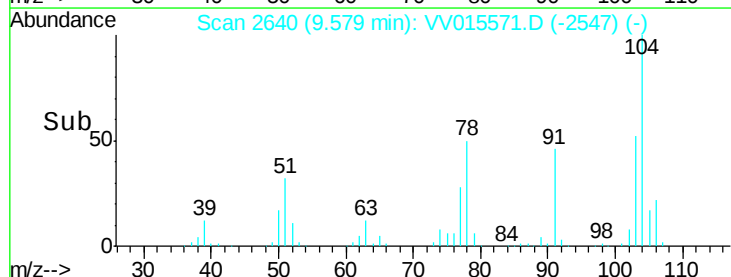
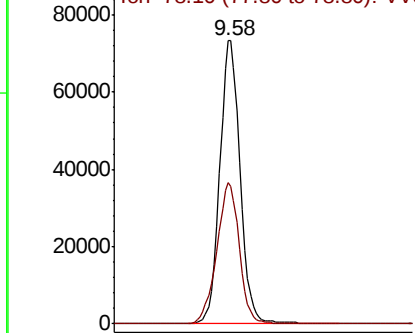


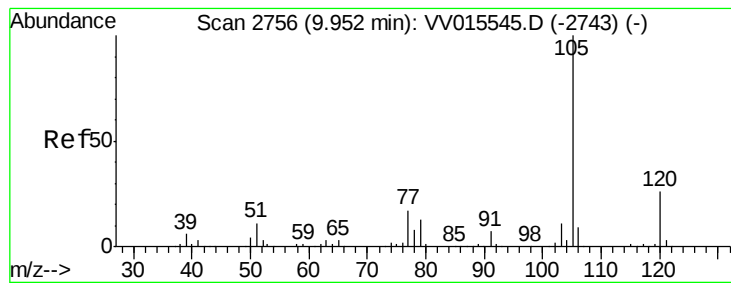
#55
Styrene
Concen: 5.499 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV015571.D
Acq: 20 Apr 2020 10:01

Tgt Ion:104 Resp: 118267
Ion Ratio Lower Upper
104 100
78 50.1 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.533 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

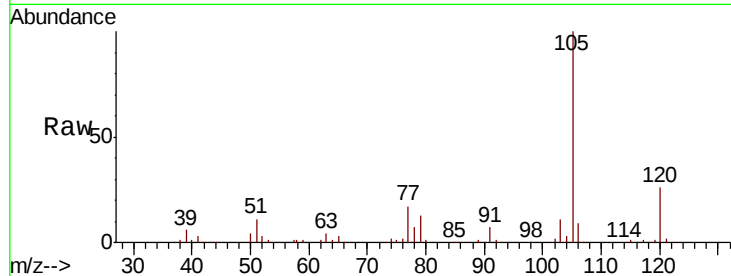
Tot Ion:105 Resp: 194126

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

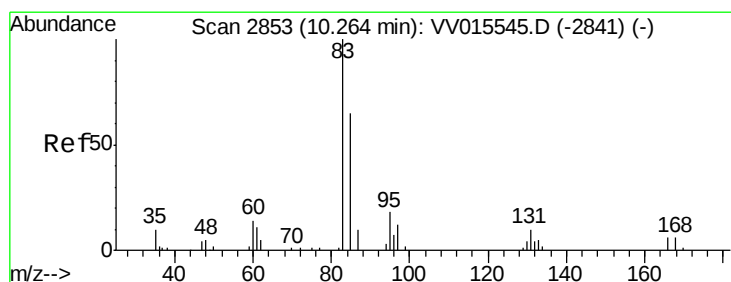
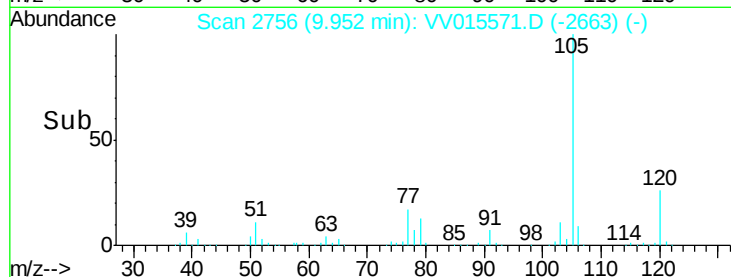
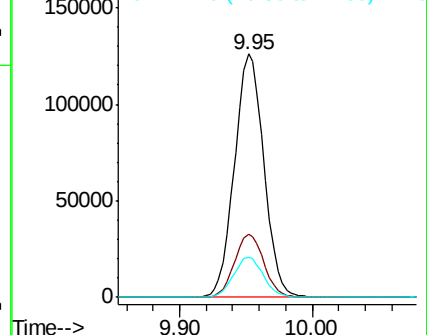
77 16.8 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.482 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

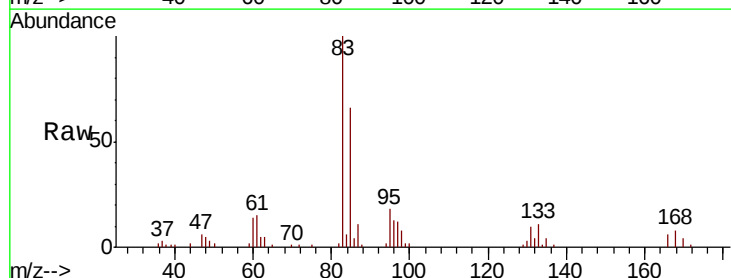
Tgt Ion: 83 Resp: 31159

Ion Ratio Lower Upper

83 100

85 66.2 44.5 82.7

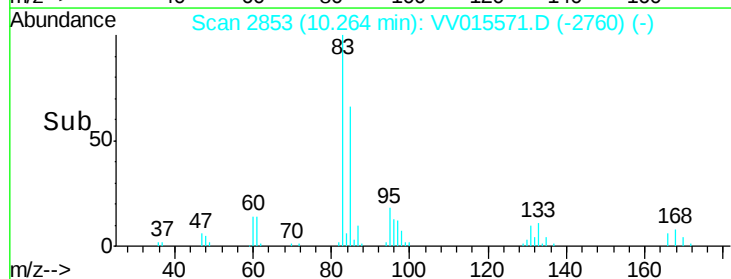
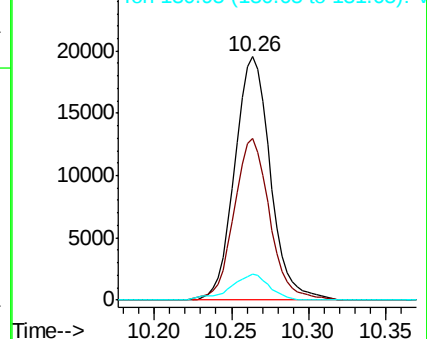
131 10.5 7.5 11.3

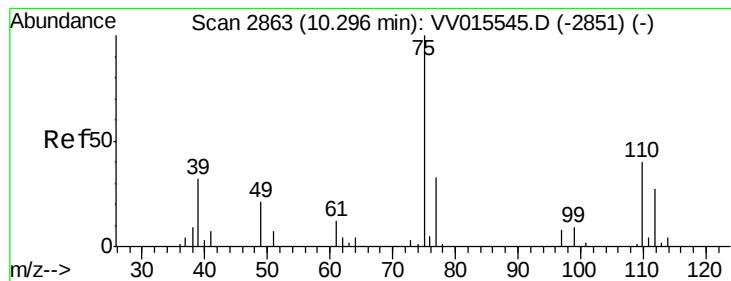


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.673 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

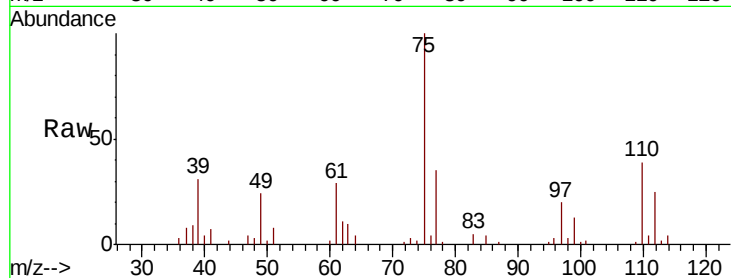
ClientSampleId :

Tot Ion: 75 Resp: 24370

Ion Ratio Lower Upper

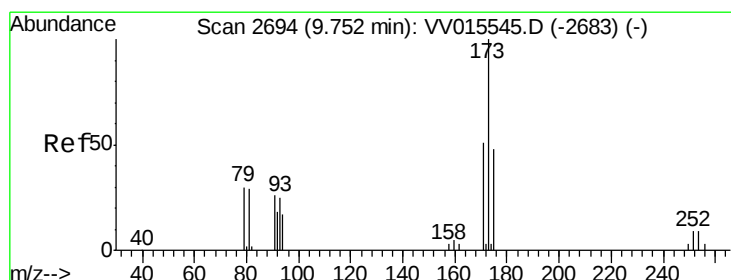
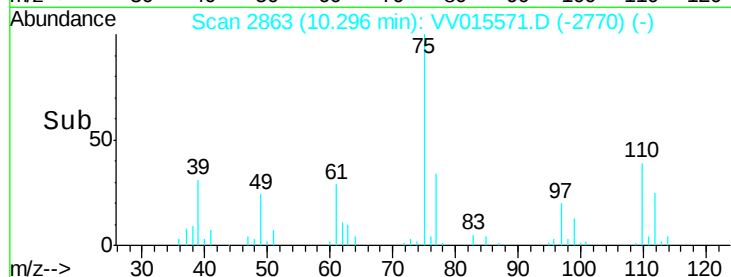
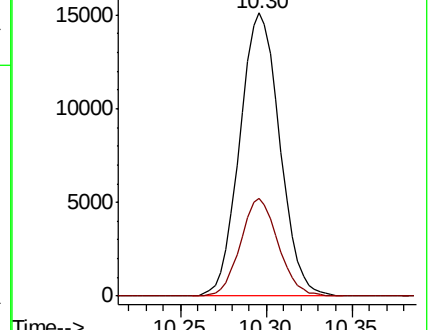
75 100

77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015545.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015545.D (-2851) (-)



#61

Bromoform

Concen: 5.024 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

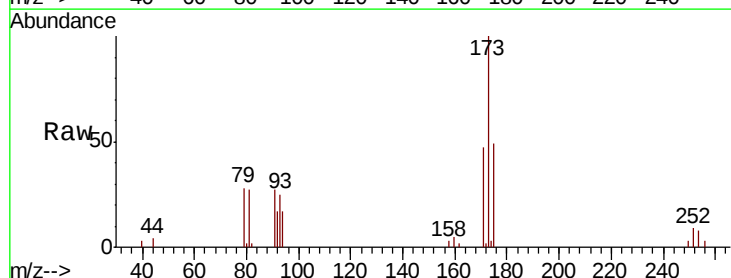
Tgt Ion: 173 Resp: 14221

Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.2

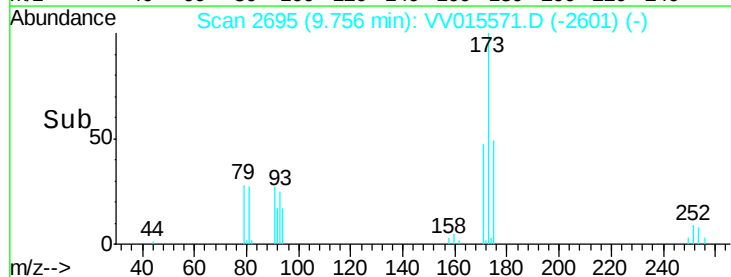
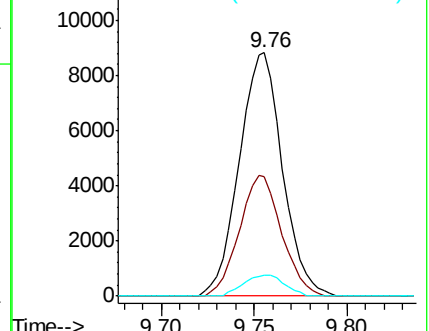
254 8.2 6.6 10.0

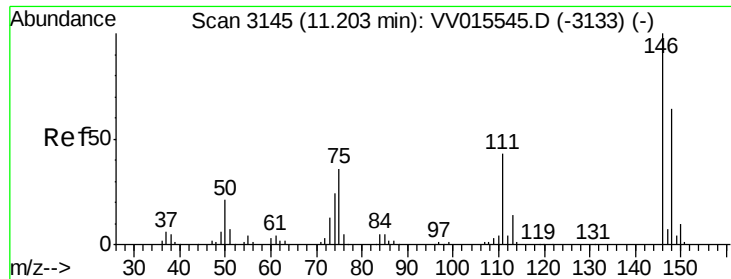


Abundance Ion 172.90 (172.60 to 173.60): VV015545.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015545.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015545.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 5.617 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

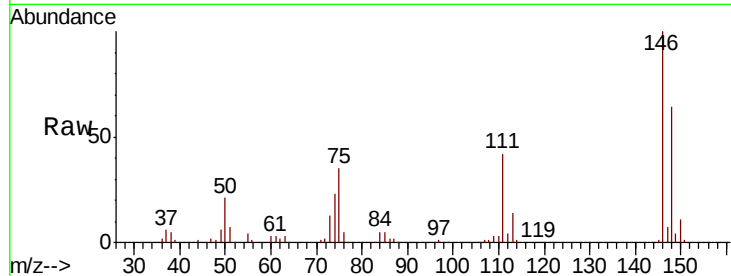
Tot Ion:146 Resp: 87406

Ion Ratio Lower Upper

146 100

111 42.4 29.3 54.5

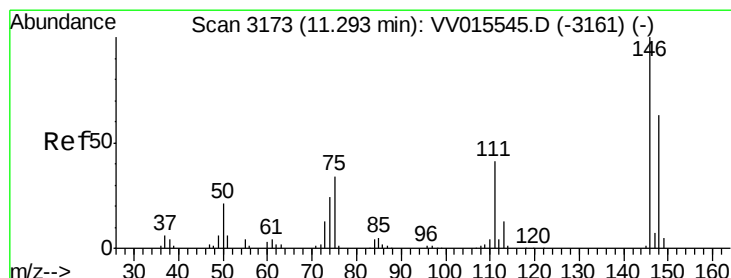
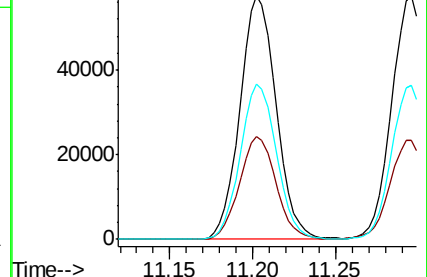
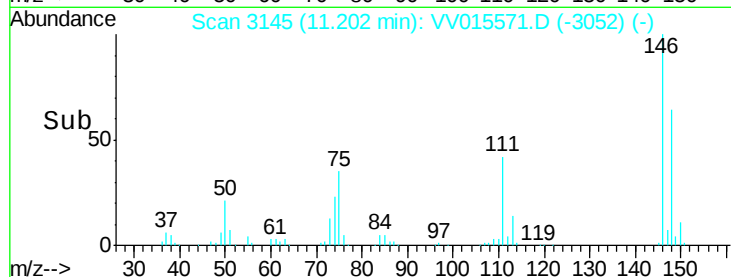
148 63.6 42.4 78.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.547 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

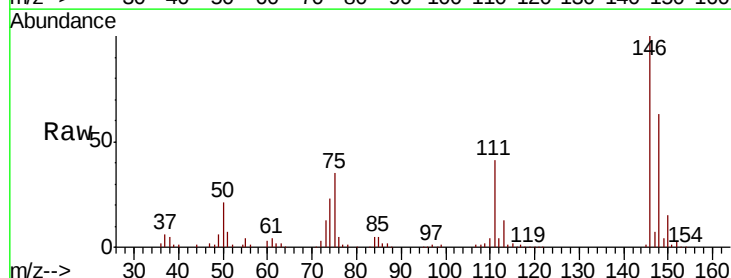
Tgt Ion:146 Resp: 87832

Ion Ratio Lower Upper

146 100

111 40.7 29.4 54.6

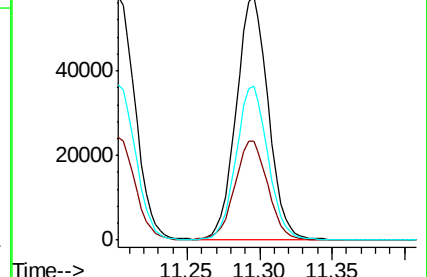
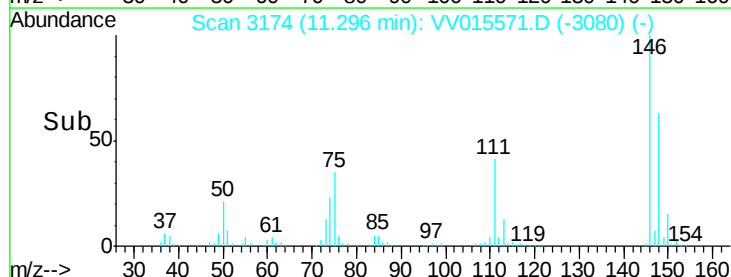
148 63.1 44.3 82.3

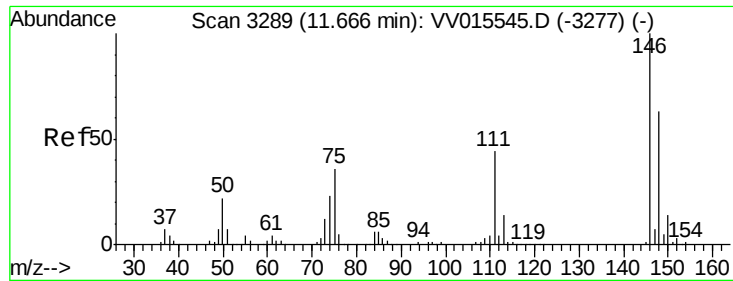


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.655 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

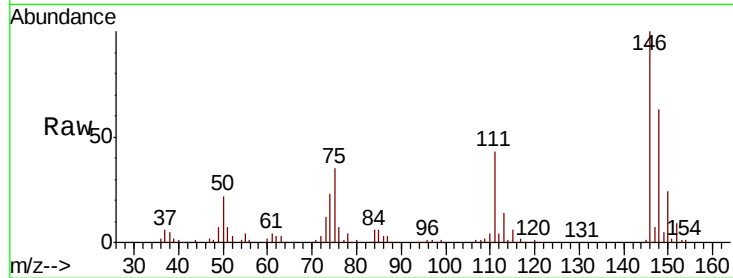
Tot Ion:146 Resp: 80230

Ion Ratio Lower Upper

146 100

111 43.1 35.8 53.6

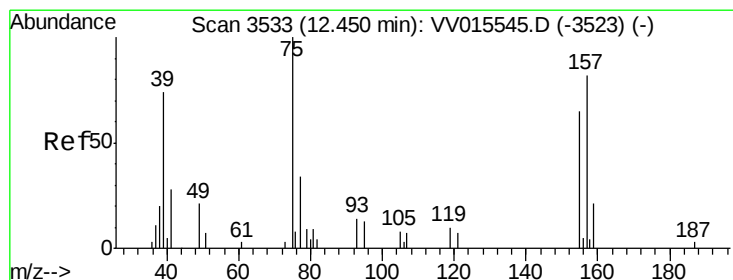
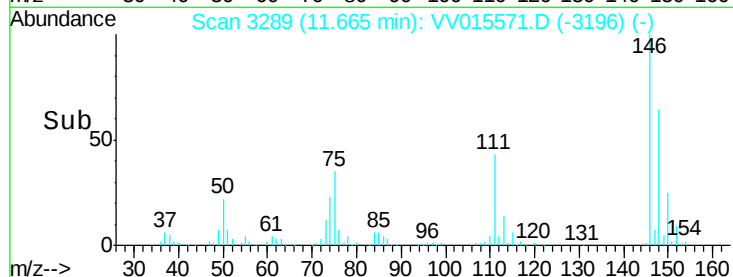
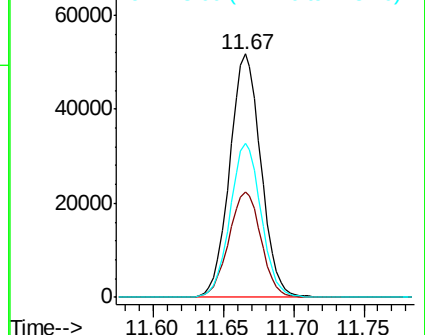
148 63.5 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.405 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

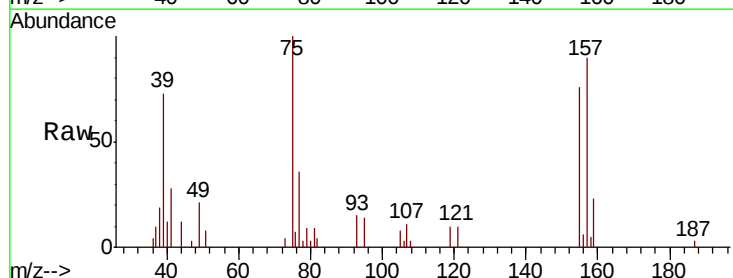
Tgt Ion: 75 Resp: 5868

Ion Ratio Lower Upper

75 100

155 76.2 60.8 91.2

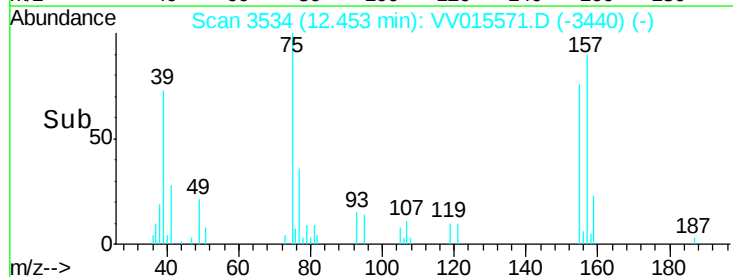
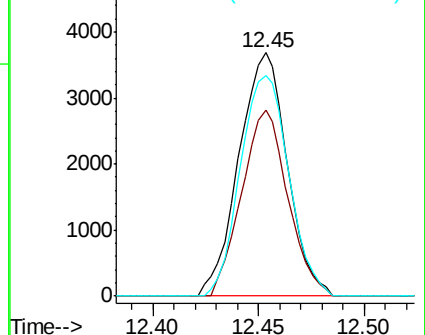
157 90.5 75.7 113.5

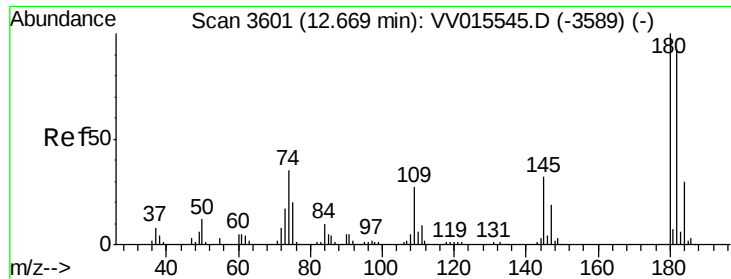


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

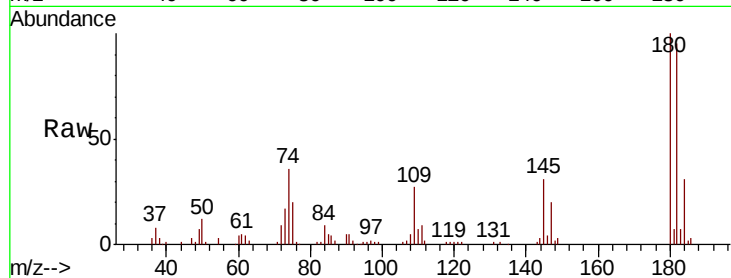




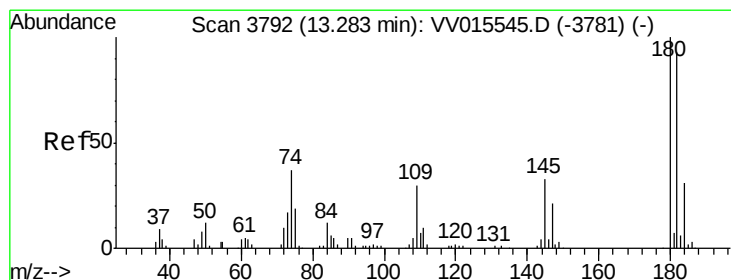
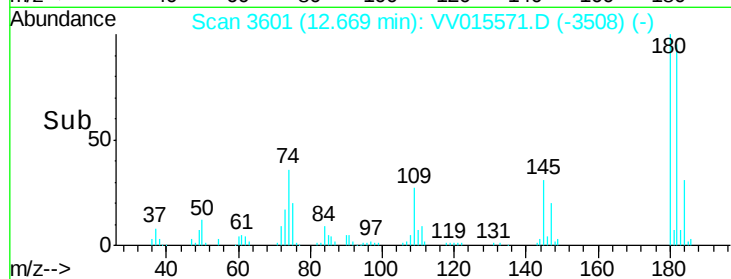
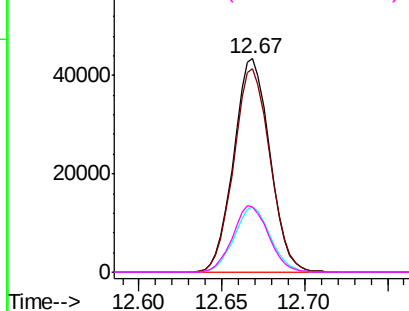
#67
 1,3,5-Trichlorobenzene
 Concen: 5.867 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 65971
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.9 115.3
 184 30.3 24.0 36.0
 145 31.0 26.1 39.1

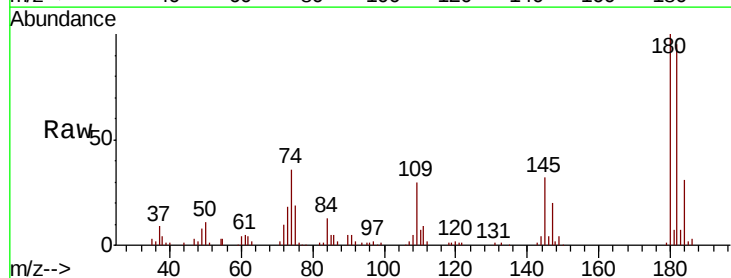


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

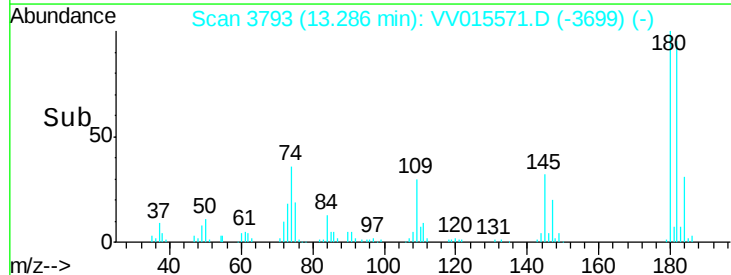
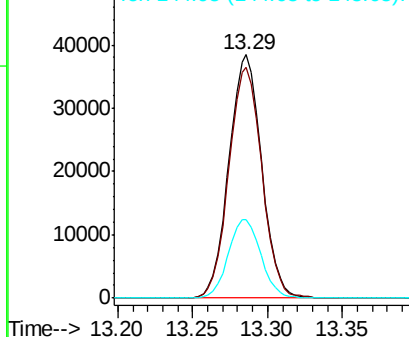


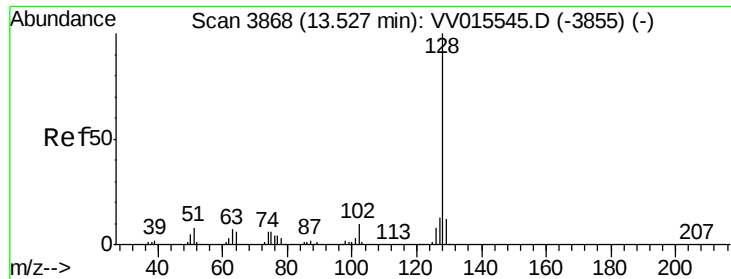
#68
 1,2,4-trichlorobenzene
 Concen: 5.776 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015571.D
 Acq: 20 Apr 2020 10:01

Tgt Ion:180 Resp: 58502
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 115.0
 145 32.1 25.9 38.9



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





#69

Naphthalene

Concen: 5.302 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

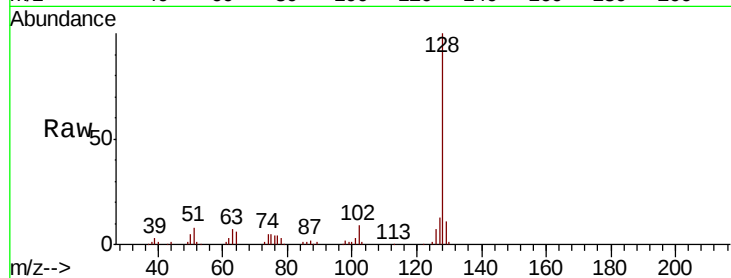
Tot Ion:128 Resp: 101176

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

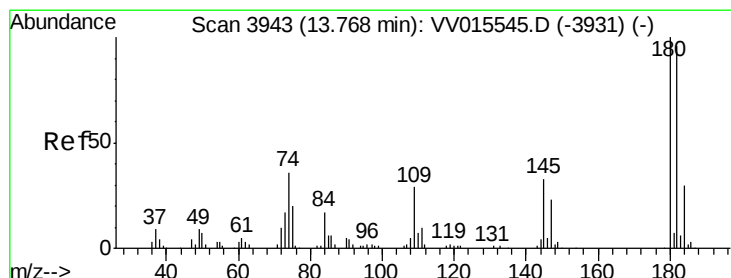
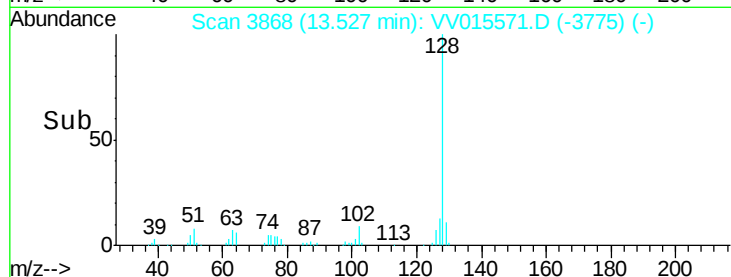
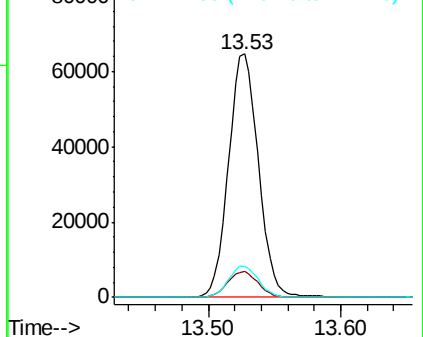
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.769 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015571.D

Acq: 20 Apr 2020 10:01

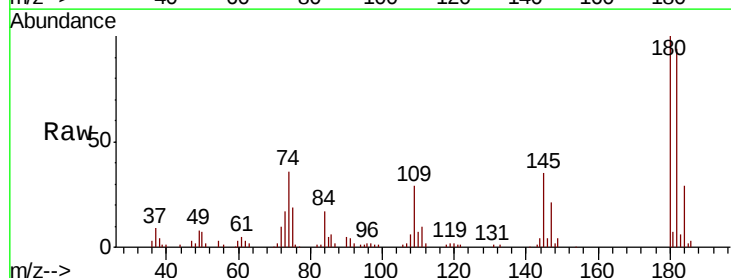
Tgt Ion:180 Resp: 51617

Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

145 34.4 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

