

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015715.D
 Acq On : 25 Apr 2020 23:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:19:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 01:12:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	125245	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	120056	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	61307	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25956	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.58	69	28668	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.12	63	66770	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	3.91	46	108091	51.43	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.86%
24) Chloroform-d	4.38	84	76679	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.06	65	42823	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.08	84	137617	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.10	67	45066	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.34	98	130400	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.64	79	14582	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.11	63	86276	49.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34062	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	50622	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	54669	5.096	ug/L 100
3) Chloromethane	1.25	50	44774	4.824	ug/L 99
5) Vinyl chloride	1.32	62	53744	5.422	ug/L 95
6) Bromomethane	1.53	94	15080	3.543	ug/L 98
8) Chloroethane	1.59	64	34380	5.281	ug/L 94
9) Trichlorofluoromethane	1.76	101	78122	5.616	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42499	5.400	ug/L 99
12) 1,1-Dichloroethene	2.13	96	38971	5.346	ug/L 91
13) Acetone	2.19	43	72994	50.019	ug/L 100
14) Carbon disulfide	2.31	76	102739	4.986	ug/L 100
15) Methyl Acetate	2.45	43	18391	5.299	ug/L 98
16) Methylene chloride	2.52	84	44952	4.995	ug/L 96
17) Methyl tert-butyl Ether	2.78	73	107437	5.250	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	43740	5.359	ug/L 100
19) 1,1-Dichloroethane	3.21	63	89087	5.559	ug/L 100
21) 2-Butanone	3.99	43	119613	53.138	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	77602	8.599	ug/L 98

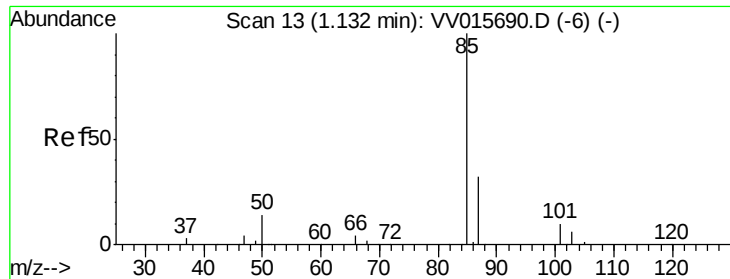
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	20280	5.502	ug/L	96
25) Chloroform	4.40	83	93245	5.480	ug/L	99
27) 1,2-Dichloroethane	5.15	62	60151	5.381	ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	82319	5.407	ug/L	99
30) Cyclohexane	4.70	56	75361	5.181	ug/L	98
31) Carbon tetrachloride	4.86	117	66836	5.301	ug/L	99
33) Benzene	5.13	78	185669	5.413	ug/L	100
34) Trichloroethene	5.94	95	54837	5.789	ug/L	98
35) Methylcyclohexane	6.15	83	74597	5.131	ug/L	99
37) 1,2-Dichloropropane	6.20	63	47592	5.459	ug/L	98
38) Bromodichloromethane	6.53	83	58379	5.273	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	58548	4.818	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	298466	52.747	ug/L	100
42) Toluene	7.41	91	199583	5.446	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	48492	4.748	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	32519	5.472	ug/L	99
47) Tetrachloroethene	8.00	164	45505	6.672	ug/L	96
48) 2-Hexanone	8.16	43	214130	53.066	ug/L	99
49) Dibromochloromethane	8.27	129	30807	5.009	ug/L	100
50) 1,2-Dibromoethane	8.37	107	30306	5.515	ug/L	95
51) Chlorobenzene	8.90	112	127899	5.327	ug/L	99
52) Ethylbenzene	9.04	91	226638	5.343	ug/L	100
53) m,p-xylene	9.16	106	84156	5.417	ug/L	99
54) o-xylene	9.57	106	81043	5.391	ug/L	98
55) Styrene	9.58	104	138594	5.433	ug/L	99
56) Isopropylbenzene	9.95	105	225992	5.359	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	37914	5.464	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	29745	5.344	ug/L	97
61) Bromoform	9.76	173	12098	4.780	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	103128	5.315	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	103100	5.269	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	94124	5.364	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	5857	5.123	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	75498	5.265	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	65380	4.954	ug/L	98
69) Naphthalene	13.53	128	110063	4.660	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	58734	5.043	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.096 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

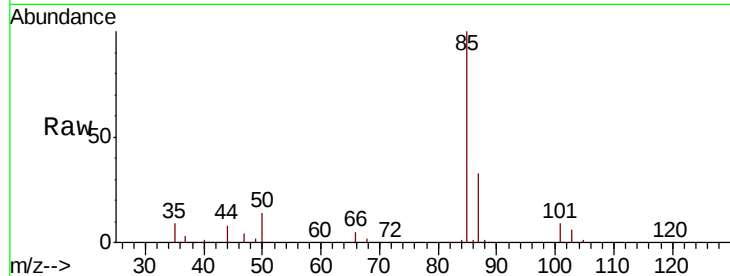
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 54669

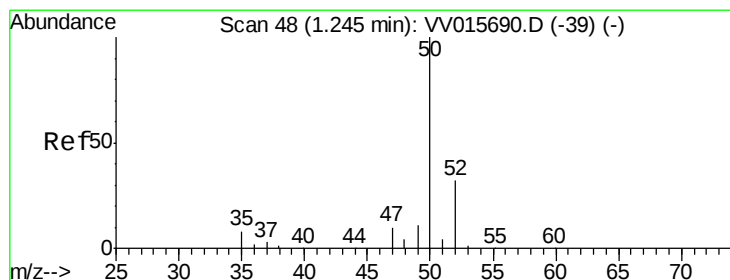
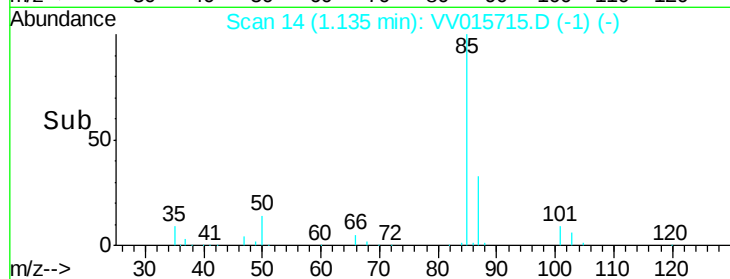
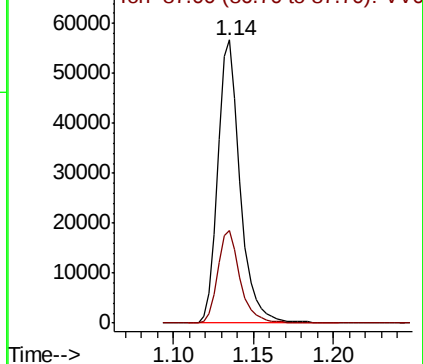
Ion Ratio Lower Upper

85 100

87 32.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015715.D (-1) (-)



#3

Chloromethane

Concen: 4.824 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015715.D

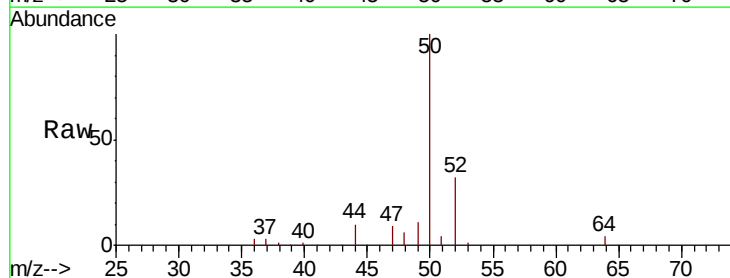
Acq: 25 Apr 2020 23:41

Tgt Ion: 50 Resp: 44774

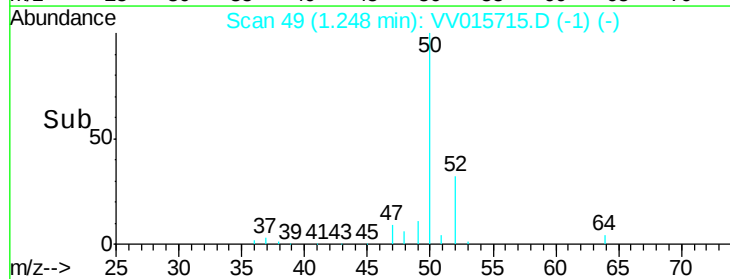
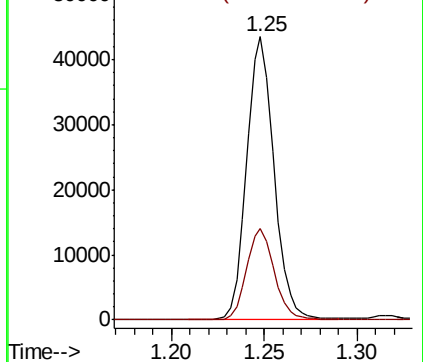
Ion Ratio Lower Upper

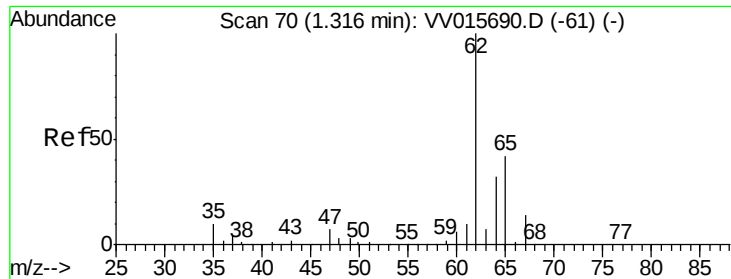
50 100

52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015715.D (-1) (-)





#5

Vinyl chloride

Concen: 5.422 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

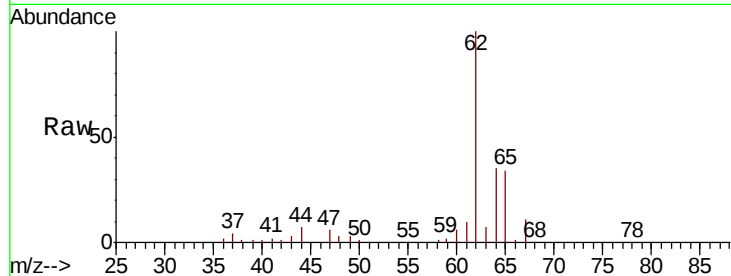
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 53744

Ion Ratio Lower Upper

62 100

64 35.5 22.7 42.1

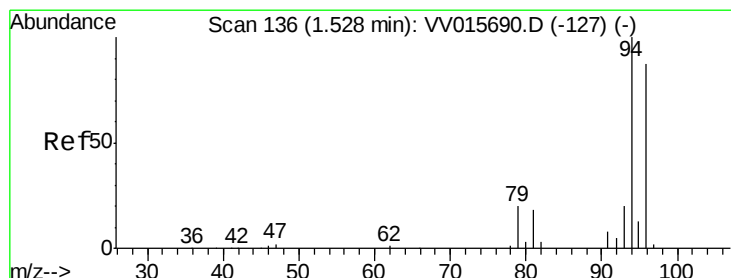
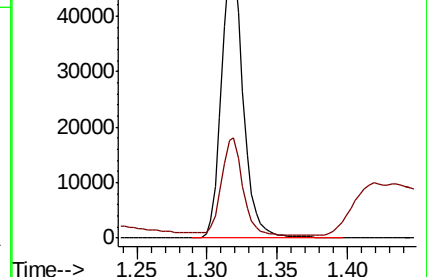
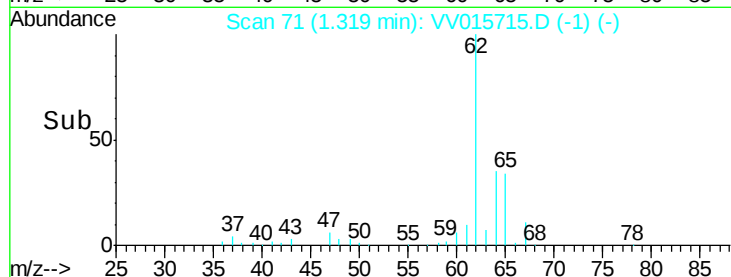


Abundance Ion 62.00 (61.70 to 62.70): VV015715.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV015715.D (-1) (-)

1.32

1.30 1.35 1.40



#6

Bromomethane

Concen: 3.543 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015715.D

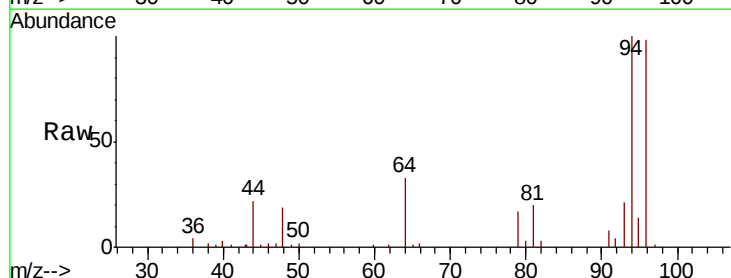
Acq: 25 Apr 2020 23:41

Tgt Ion: 94 Resp: 15080

Ion Ratio Lower Upper

94 100

96 97.7 67.3 125.1

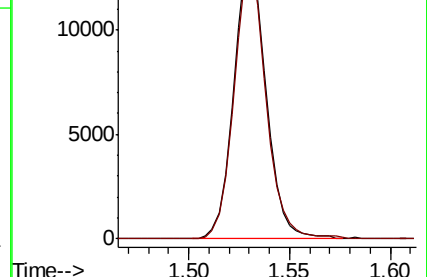
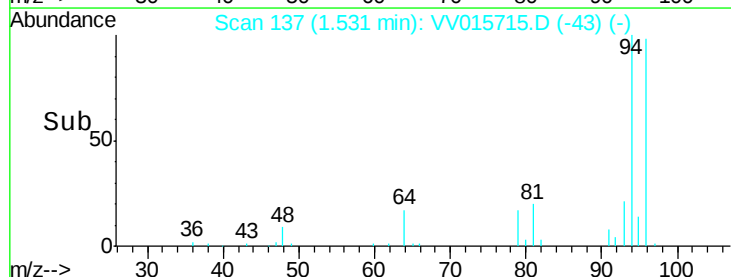


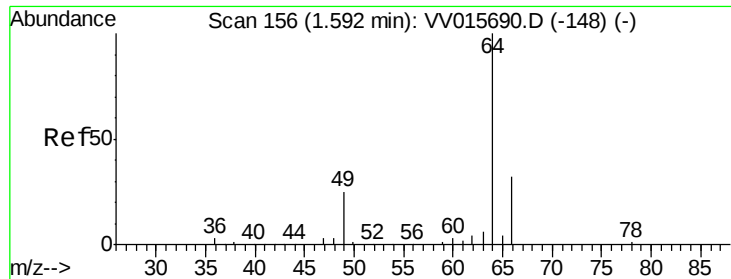
Abundance Ion 94.00 (93.70 to 94.70): VV015715.D (-43) (-)

Ion 96.00 (95.70 to 96.70): VV015715.D (-43) (-)

1.53

1.50 1.55 1.60

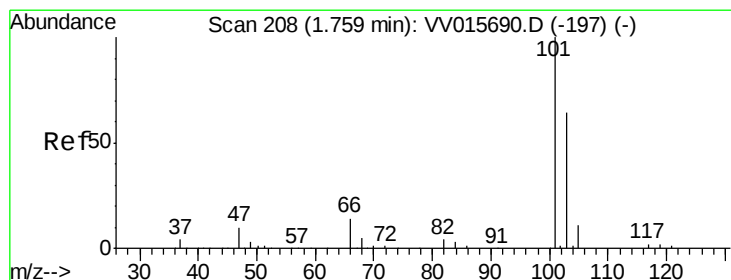
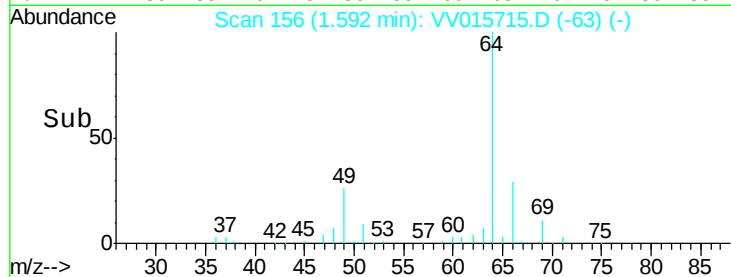
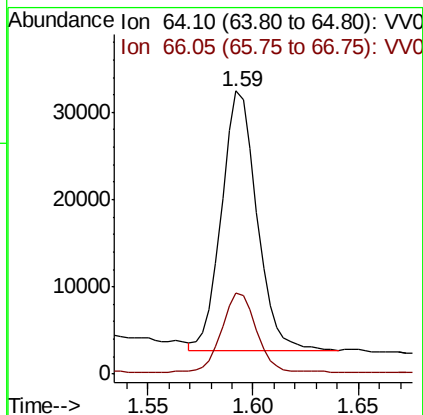
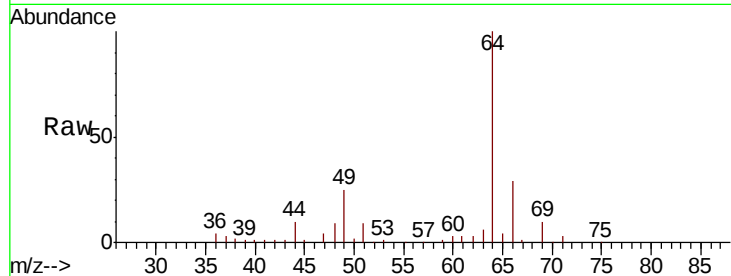




#8
Chloroethane
Concen: 5.281 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

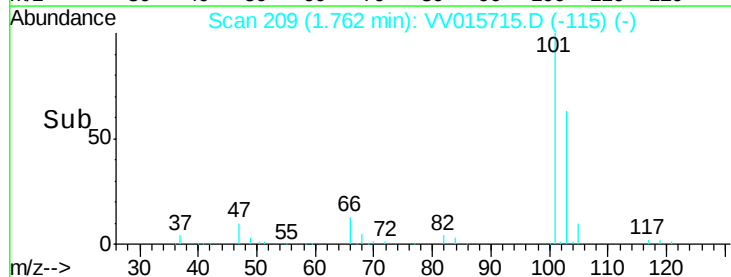
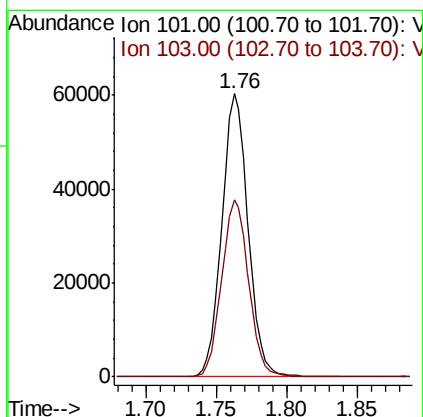
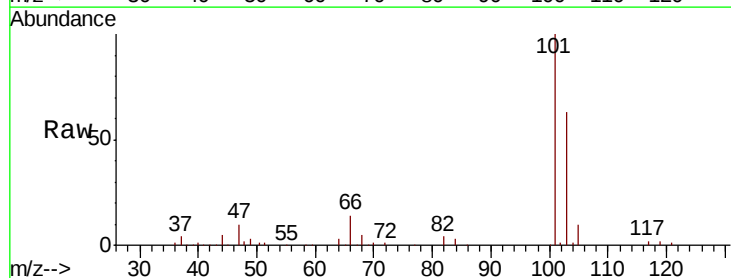
Instrument :
MSVOA_V
ClientSampleId :

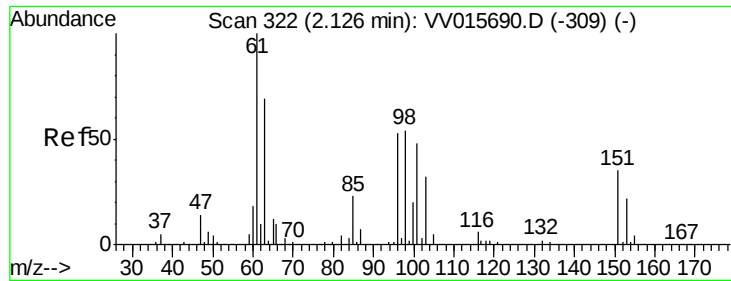
Tot Ion: 64 Resp: 34380
Ion Ratio Lower Upper
64 100
66 28.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.616 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Tgt Ion:101 Resp: 78122
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5





#10

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

Concen: 5.400 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampled :

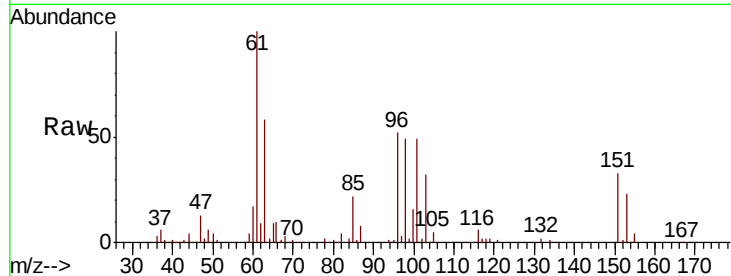
Tot Ion:101 Resp: 42499

Ion Ratio Lower Upper

101 100

85 46.1 36.1 54.1

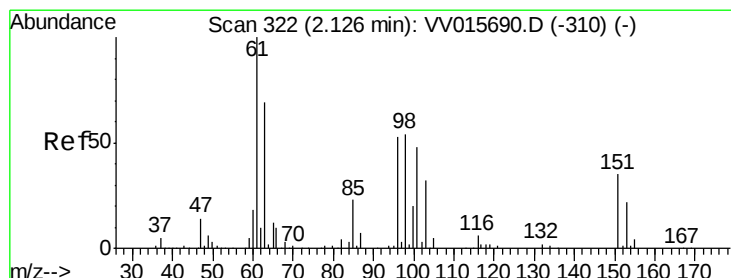
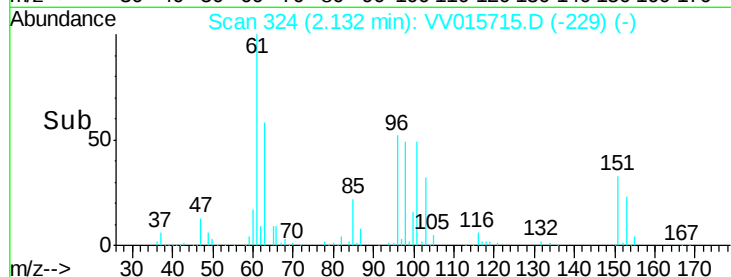
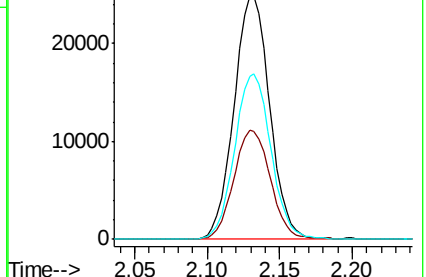
151 69.1 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015715.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015715.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015715.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.346 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

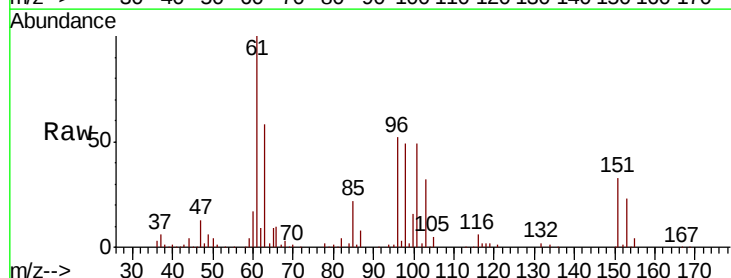
Tgt Ion: 96 Resp: 38971

Ion Ratio Lower Upper

96 100

61 191.0 130.1 241.7

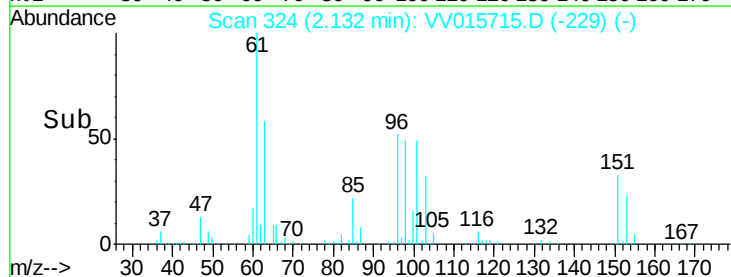
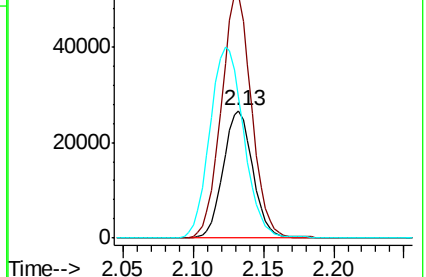
63 110.8 91.4 169.8

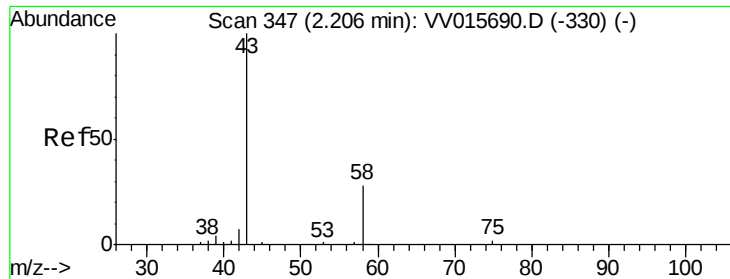


Abundance Ion 96.00 (95.70 to 96.70): VV015715.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015715.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015715.D (-229) (-)





#13

Acetone

Concen: 50.019 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

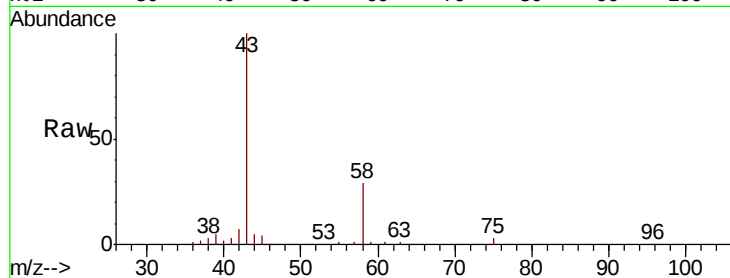
ClientSampleId :

Tot Ion: 43 Resp: 72994

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015715.D (-254) (-)

Ion 58.05 (57.75 to 58.75): VV015715.D (-254) (-)

2.19

40000

30000

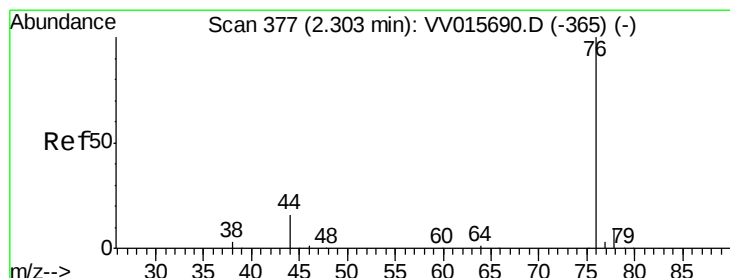
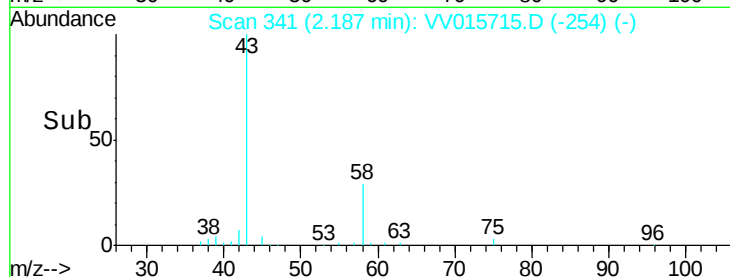
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.986 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015715.D

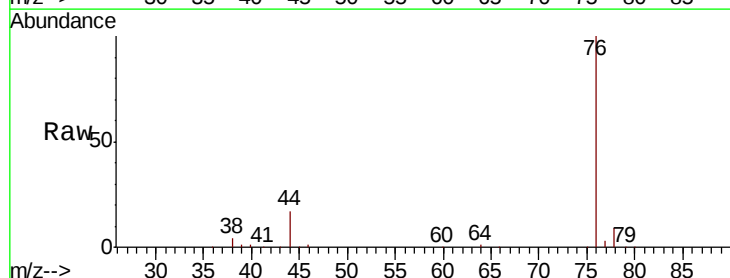
Acq: 25 Apr 2020 23:41

Tgt Ion: 76 Resp: 102739

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015715.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV015715.D (-284) (-)

2.31

80000

60000

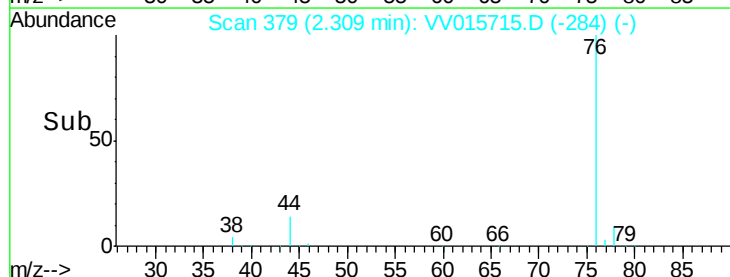
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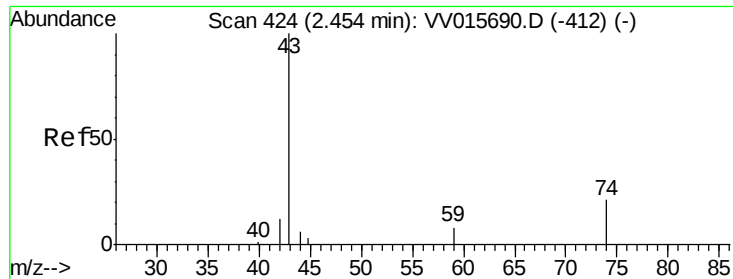
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Time-->

2.25 2.30 2.35 2.40

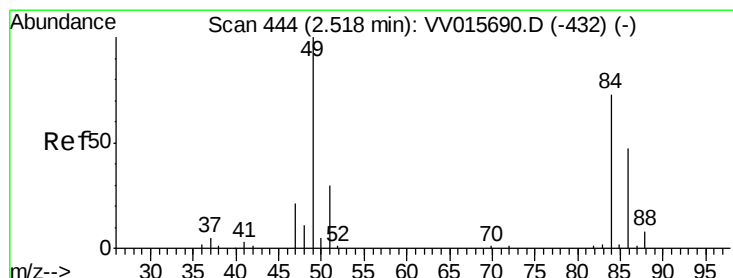
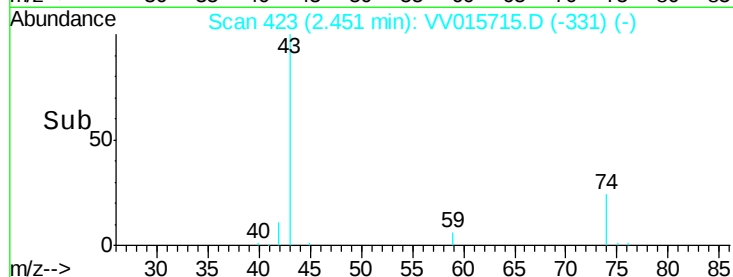
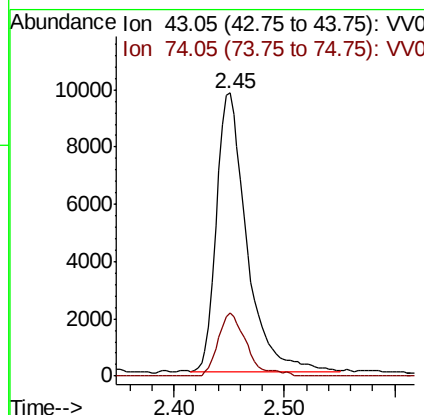
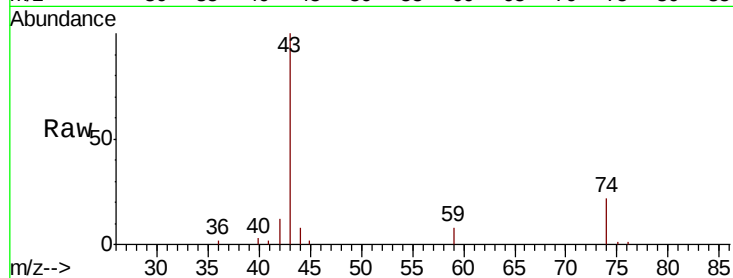




#15
Methvl Acetate
Concen: 5.299 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

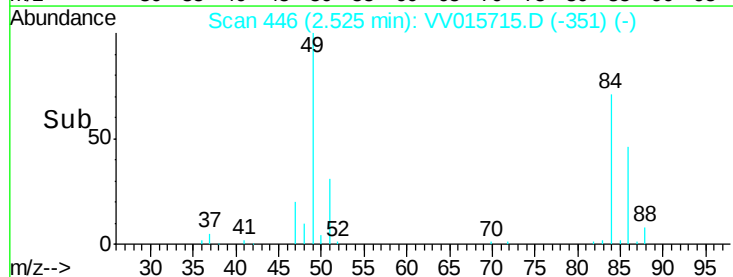
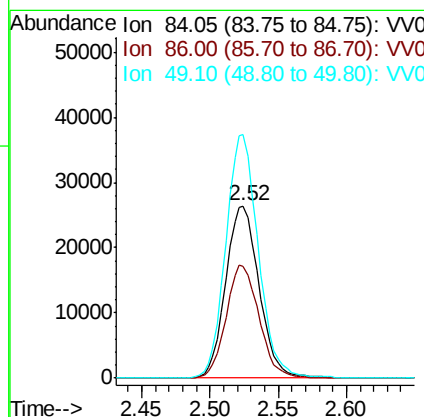
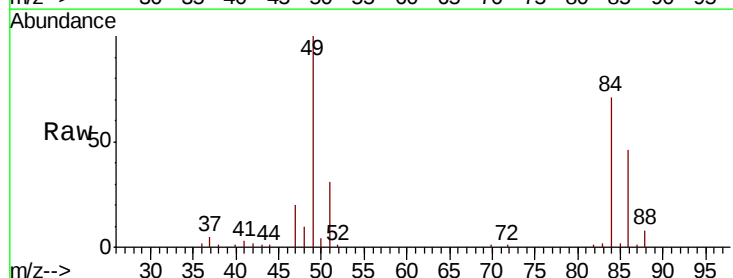
Instrument :
MSVOA_V
ClientSampled :

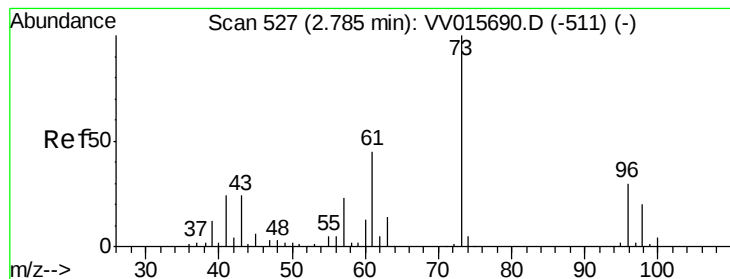
Tot Ion: 43 Resp: 18391
Ion Ratio Lower Upper
43 100
74 21.4 16.3 24.5



#16
Methylene chloride
Concen: 4.995 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Tgt Ion: 84 Resp: 44952
Ion Ratio Lower Upper
84 100
86 65.0 45.1 83.7
49 141.2 94.4 175.4



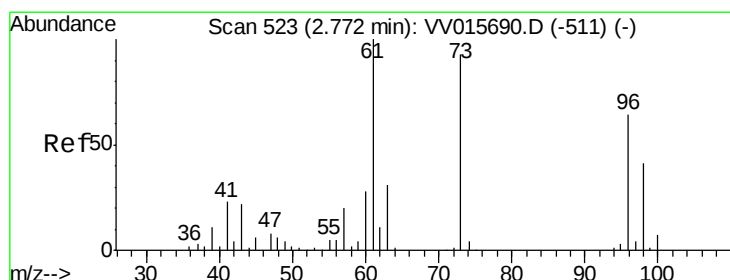
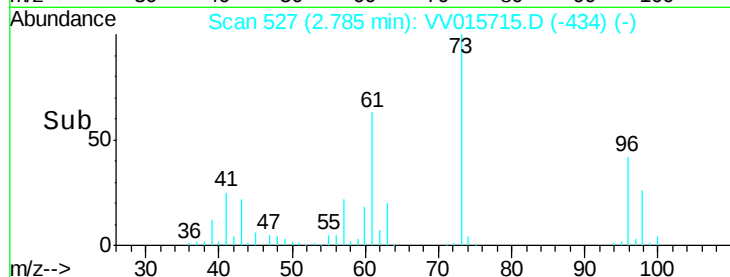
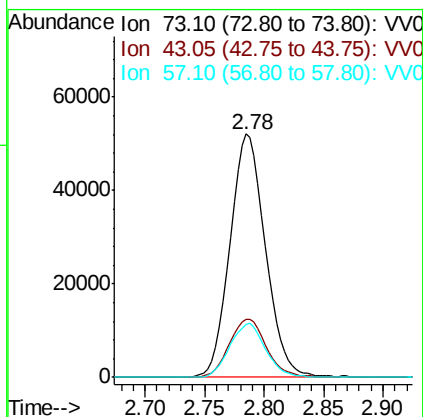
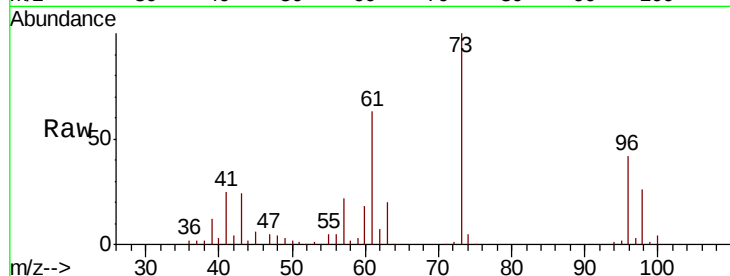


#17

Methvl tert-butvl Ether
 Concen: 5.250 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Instrument :
 MSVOA_V
 ClientSampleId :

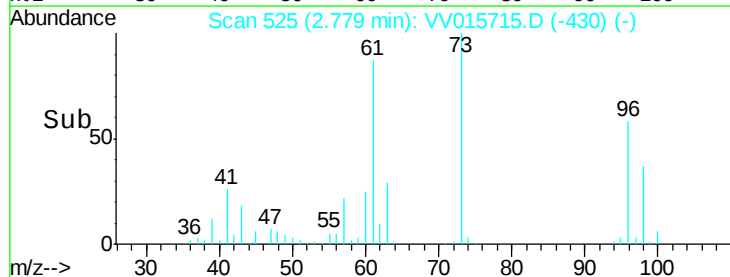
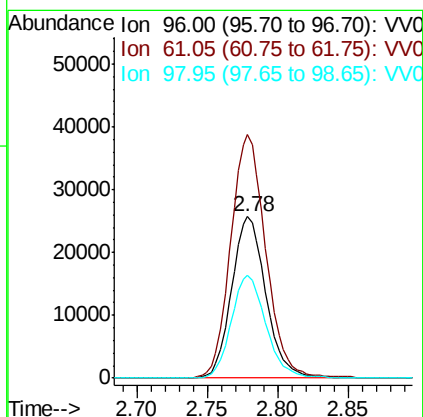
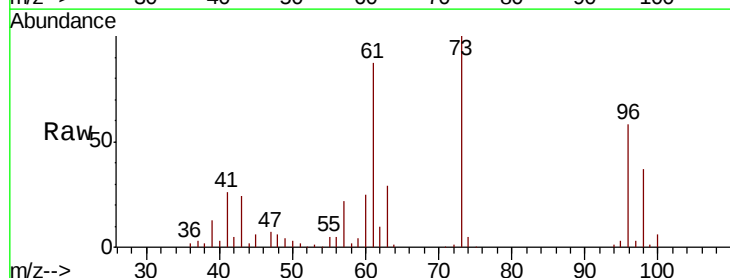
Tot Ion: 73 Resp: 107437
 Ion Ratio Lower Upper
 73 100
 43 25.2 20.1 30.1
 57 22.4 17.8 26.8

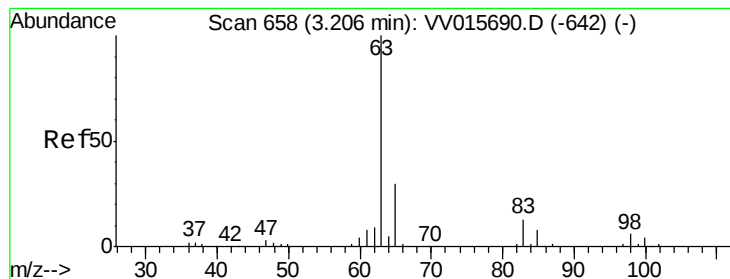


#18

trans-1,2-Dichloroethene
 Concen: 5.359 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Tgt Ion: 96 Resp: 43740
 Ion Ratio Lower Upper
 96 100
 61 150.6 105.5 195.9
 98 63.6 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.559 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampled :

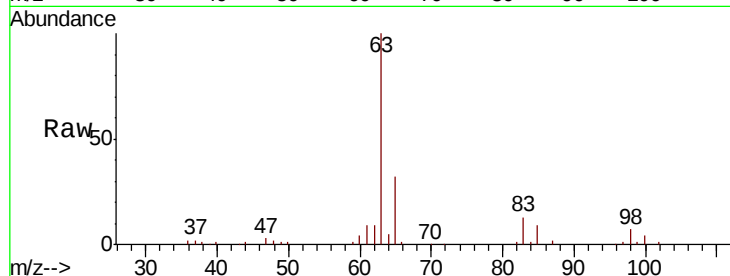
Tot Ion: 63 Resp: 89087

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.3

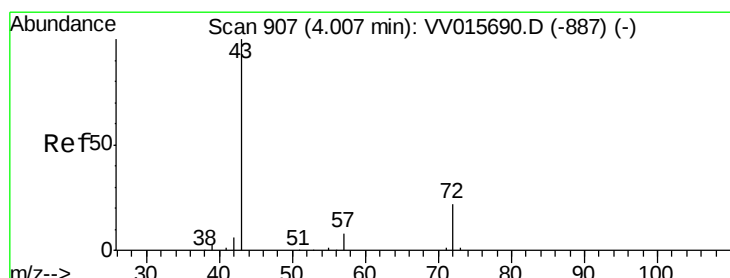
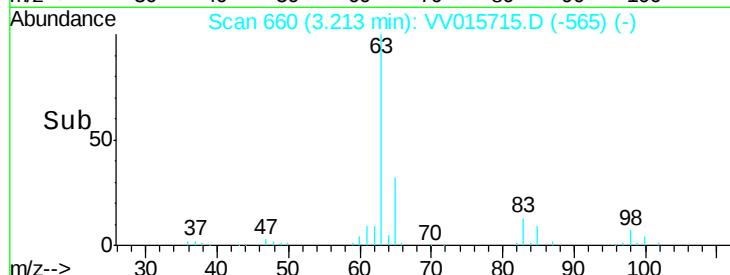
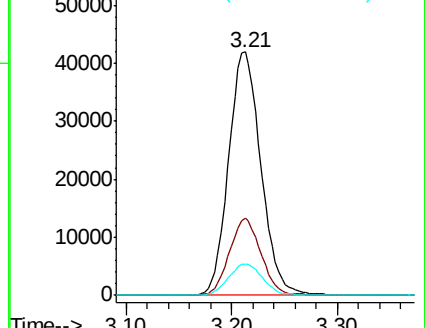
83 12.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV015715.D (-660) (-)

Ion 65.10 (64.80 to 65.80): VV015715.D (-660) (-)

Ion 83.05 (82.75 to 83.75): VV015715.D (-660) (-)



#21

2-Butanone

Concen: 53.138 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV015715.D

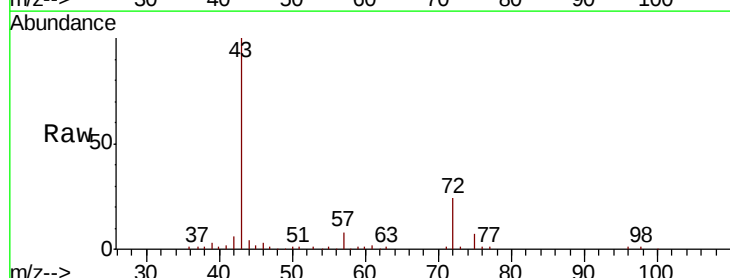
Acq: 25 Apr 2020 23:41

Tgt Ion: 43 Resp: 119613

Ion Ratio Lower Upper

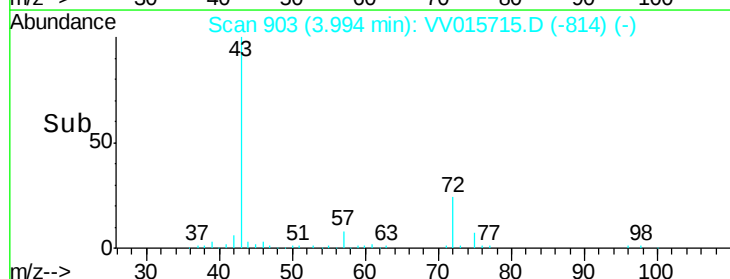
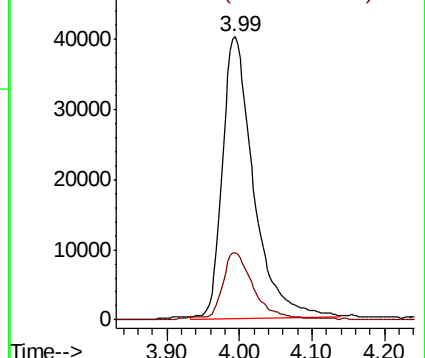
43 100

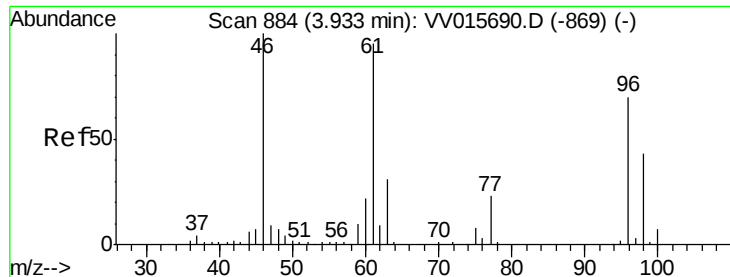
72 23.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015715.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VV015715.D (-814) (-)



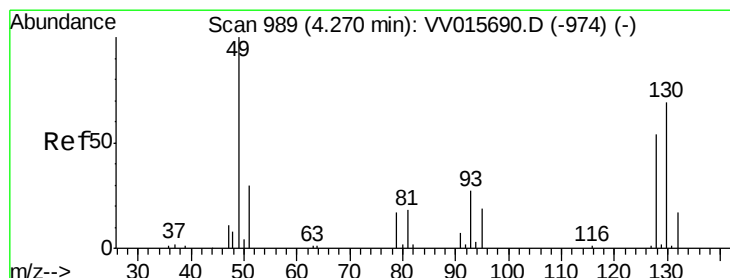
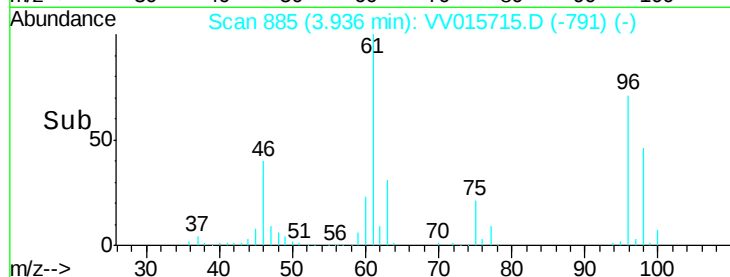
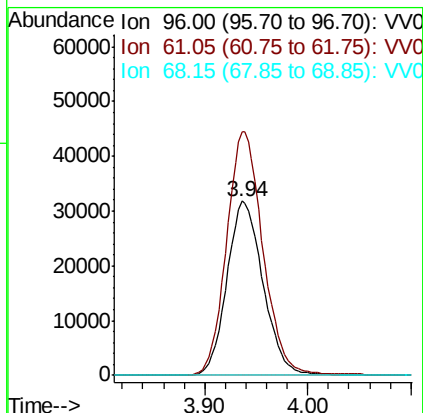
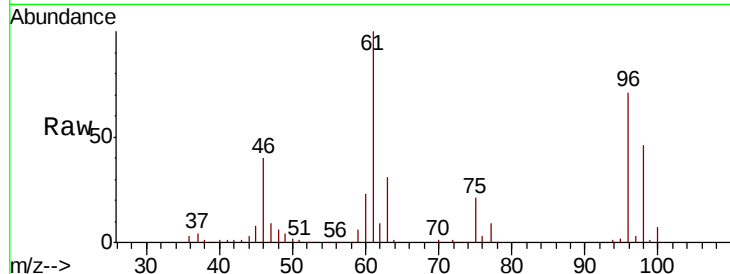


#22

cis-1,2-Dichloroethene
 Concen: 8.599 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Instrument :
 MSVOA_V
 ClientSampleId :

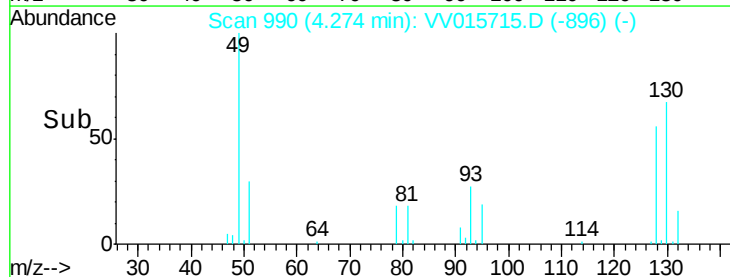
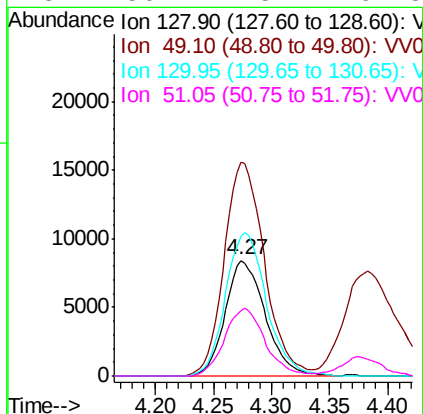
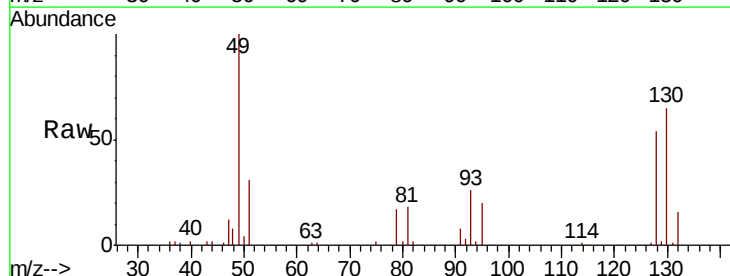
Tot Ion: 96 Resp: 77602
 Ion Ratio Lower Upper
 96 100
 61 139.9 96.4 179.0
 68 0.0 0.0 0.0

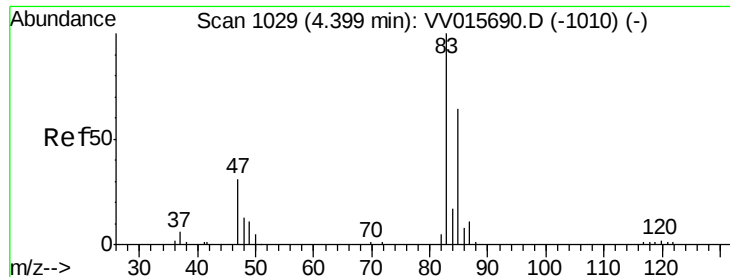


#23

Bromochloromethane
 Concen: 5.502 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Tgt Ion: 128 Resp: 20280
 Ion Ratio Lower Upper
 128 100
 49 184.7 130.8 242.8
 130 120.2 91.1 169.3
 51 56.4 45.2 67.8

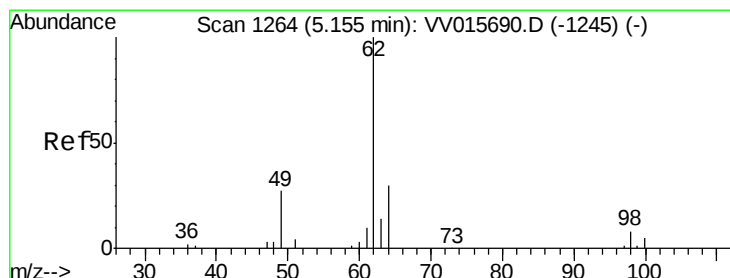
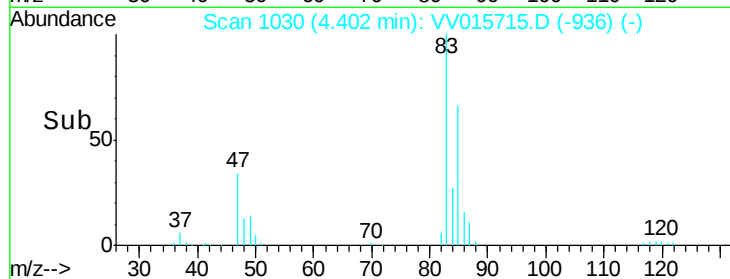
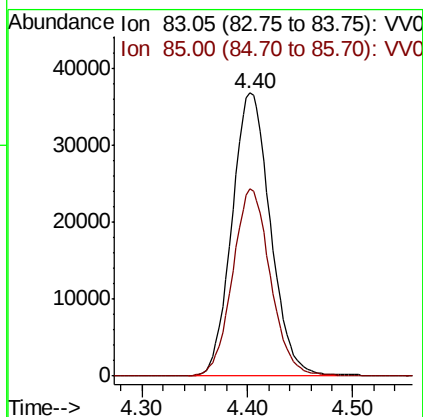
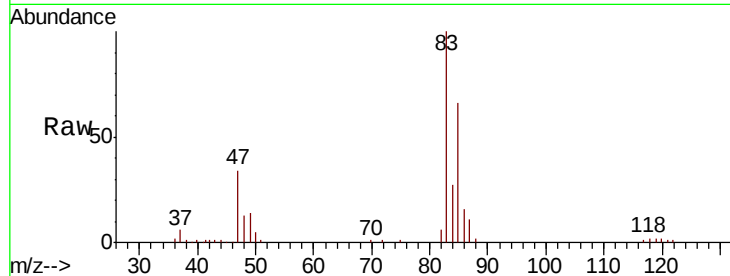




#25
Chloroform
Concen: 5.480 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

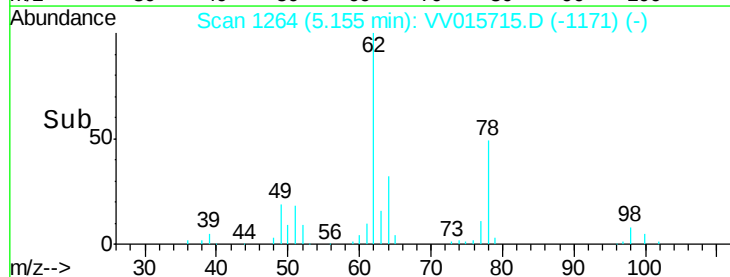
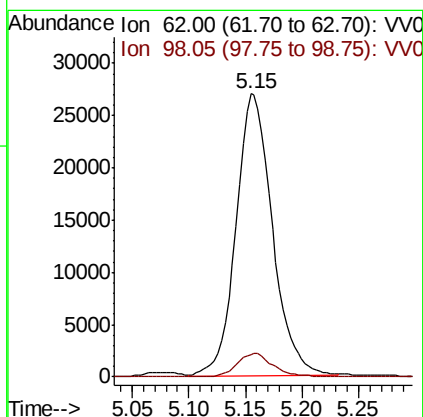
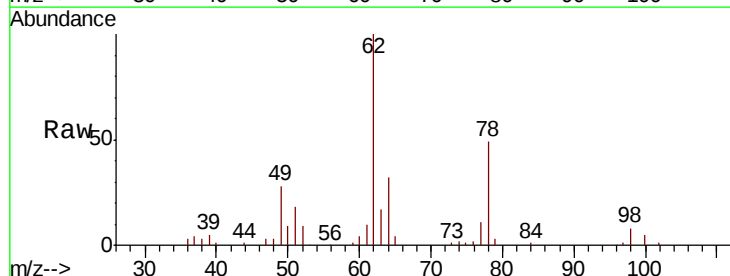
Instrument :
MSVOA_V
ClientSampleId :

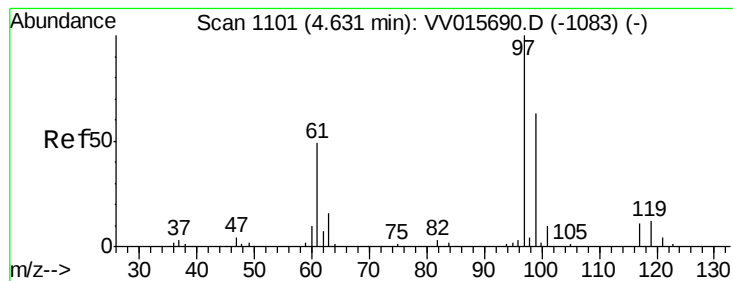
Tot Ion: 83 Resp: 93245
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.381 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Tgt Ion: 62 Resp: 60151
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.407 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampleId :

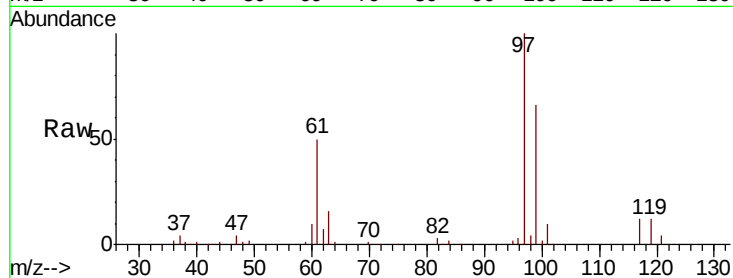
Tot Ion: 97 Resp: 82319

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

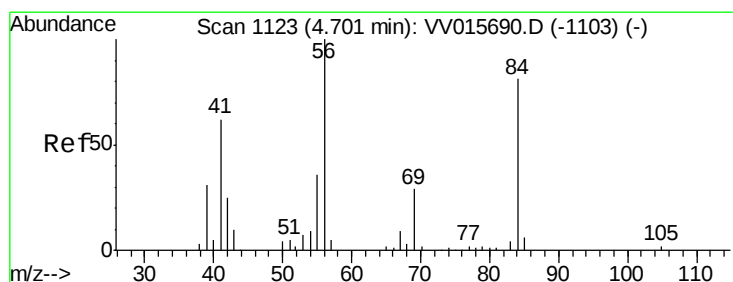
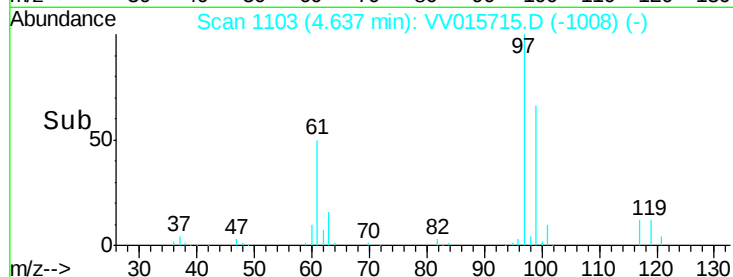
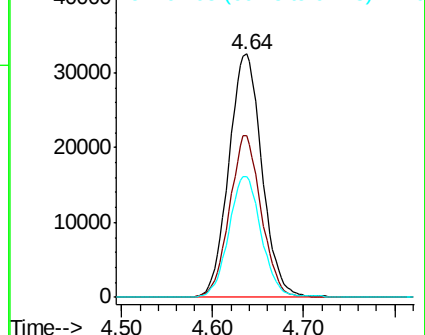
61 48.6 38.6 57.8



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: 5.181 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

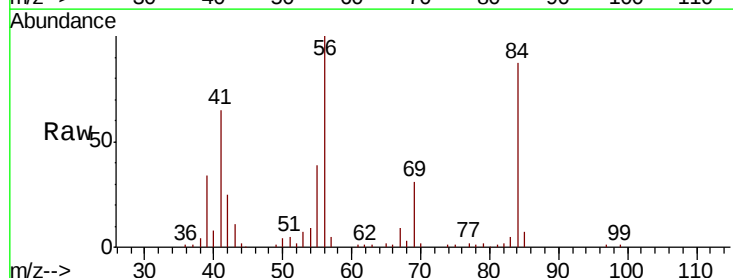
Tgt Ion: 56 Resp: 75361

Ion Ratio Lower Upper

56 100

69 30.5 23.9 35.9

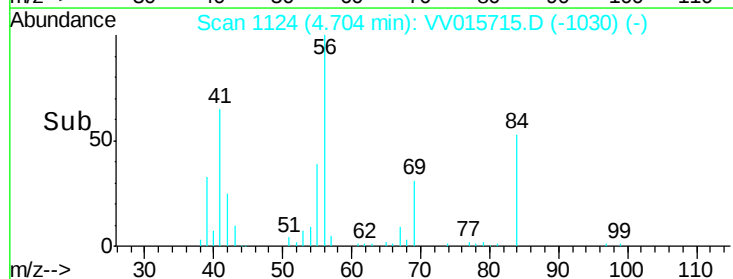
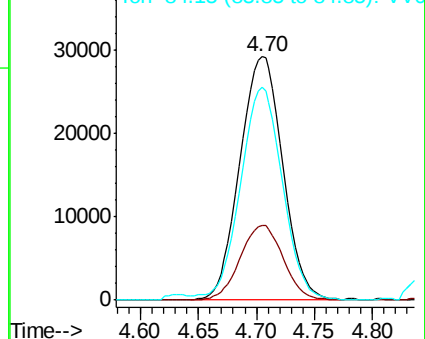
84 85.5 66.9 100.3

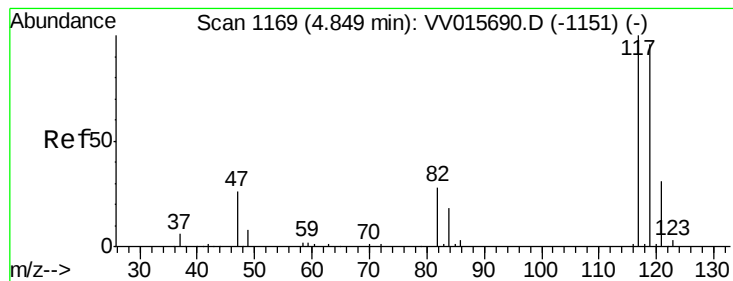


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.301 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

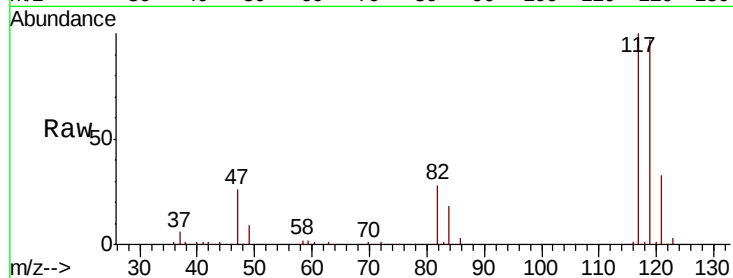
ClientSampled :

Tot Ion:117 Resp: 66836

Ion Ratio Lower Upper

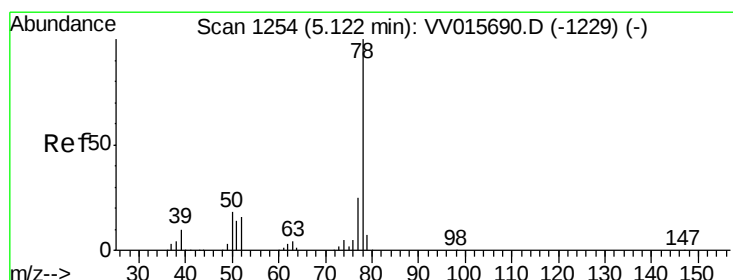
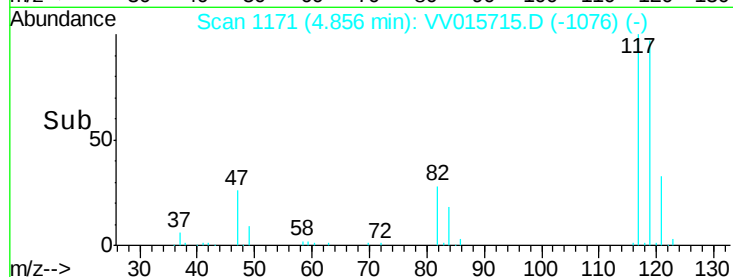
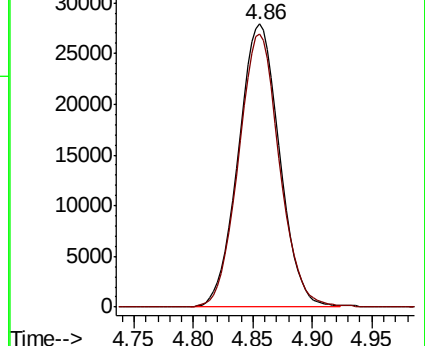
117 100

119 95.9 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.413 ug/L

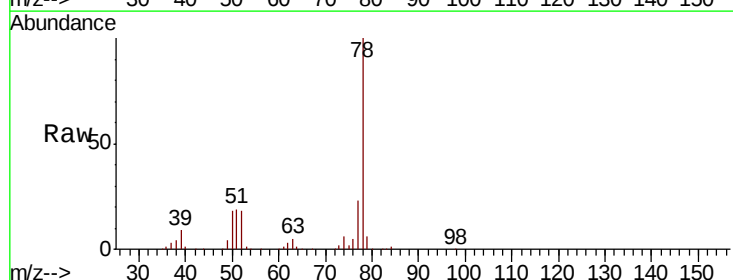
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Tgt Ion: 78 Resp: 185669



Abundance Ion 78.10 (77.80 to 78.80): VV0

100000

80000

60000

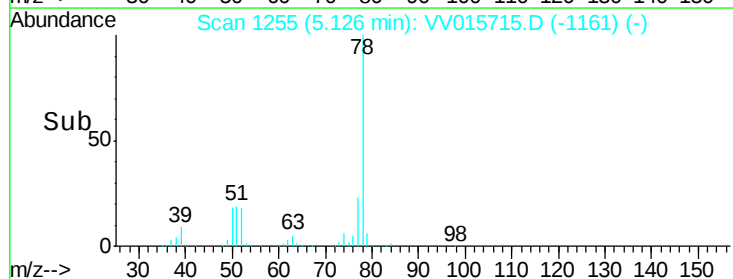
40000

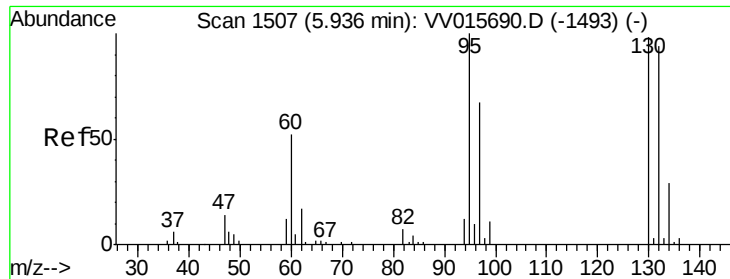
20000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 5.789 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 54837

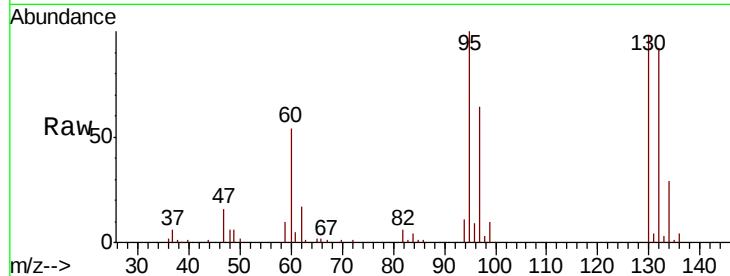
Ion Ratio Lower Upper

95 100

97 64.0 44.7 82.9

132 92.2 65.2 121.0

130 98.0 65.0 120.6

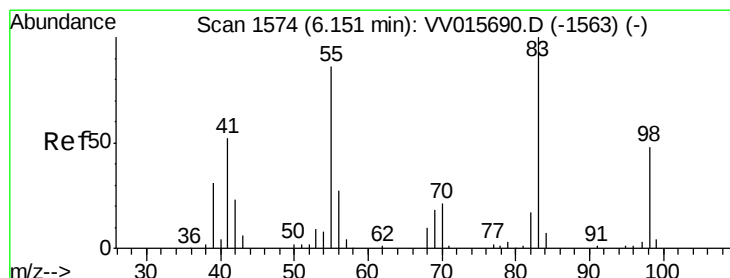
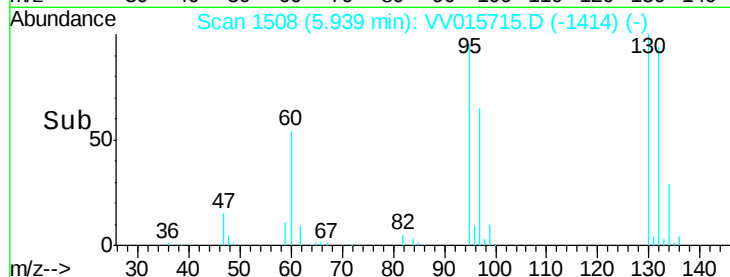
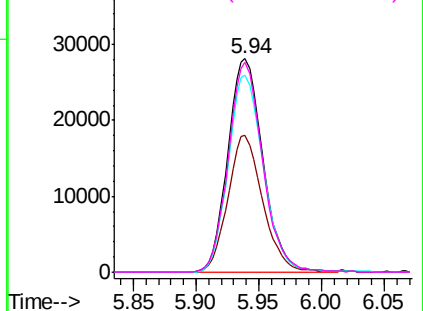


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.131 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

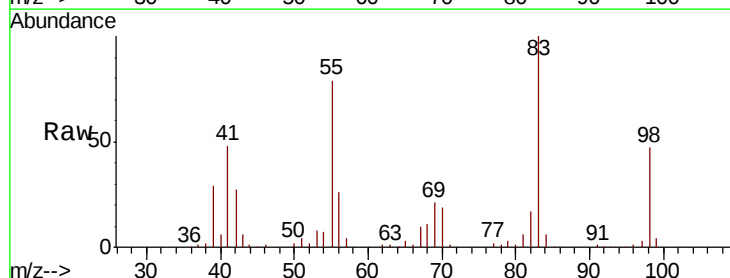
Tgt Ion: 83 Resp: 74597

Ion Ratio Lower Upper

83 100

55 82.9 66.6 99.8

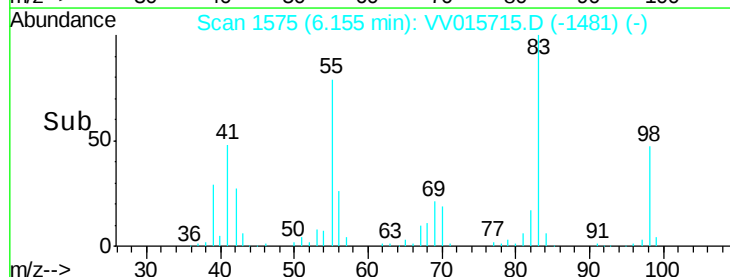
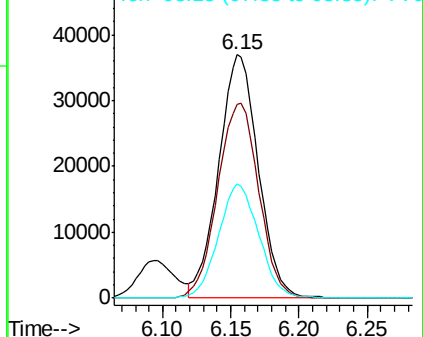
98 47.9 39.5 59.3

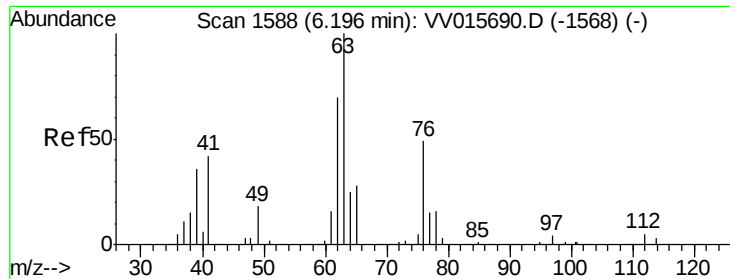


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

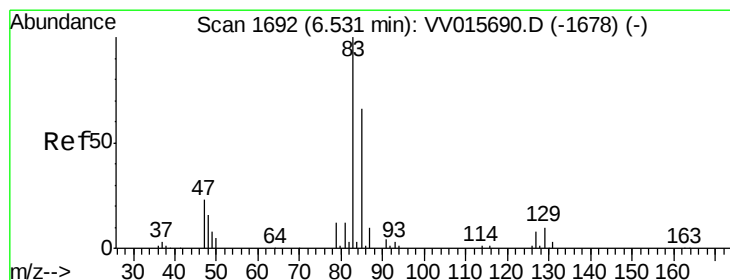
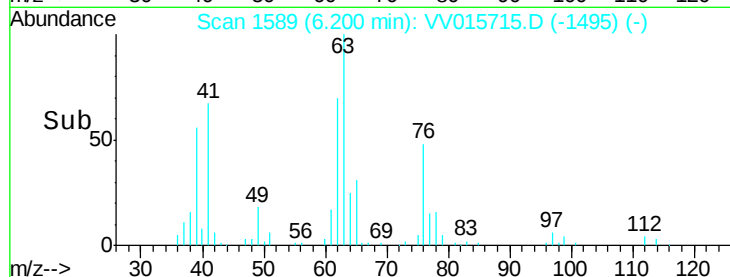
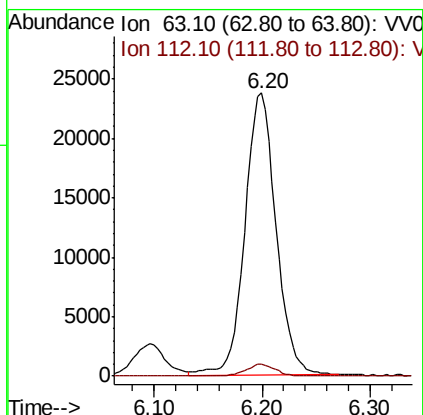
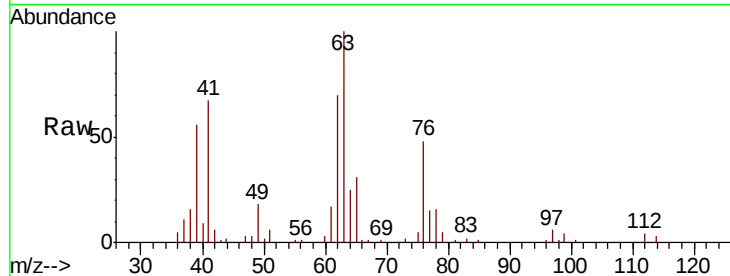




#37
 1,2-Dichloropropane
 Concen: 5.459 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

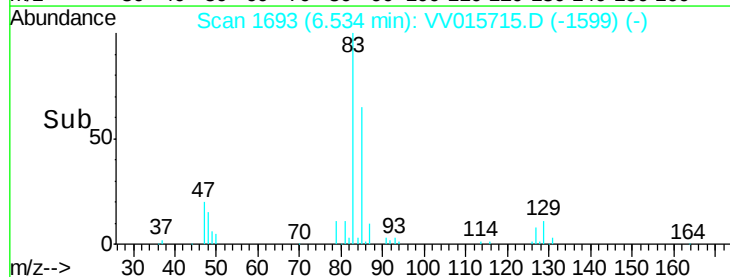
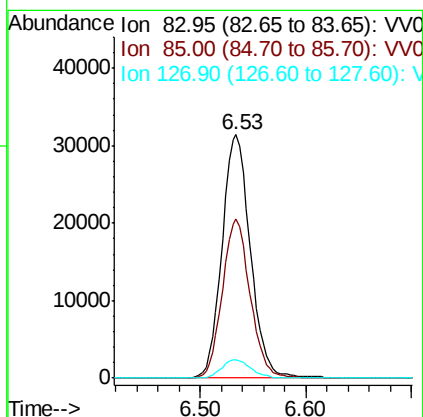
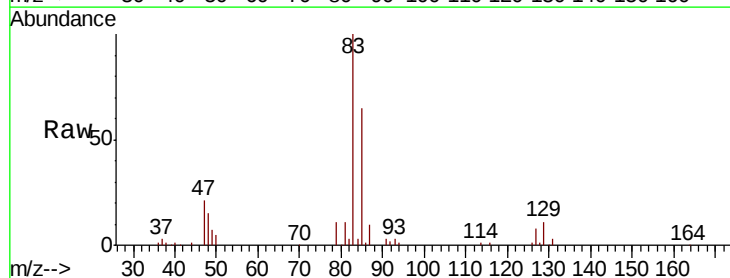
Instrument :
 MSVOA_V
 ClientSampled :

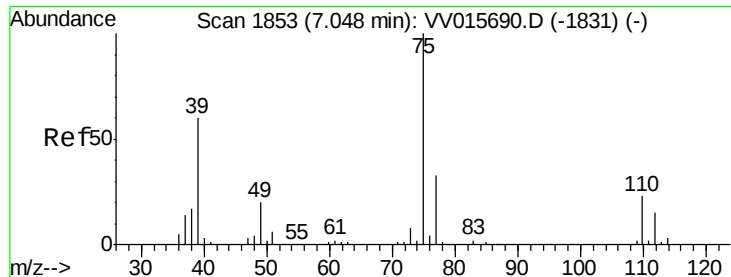
Tot Ion: 63 Resp: 47592
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.273 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Tgt Ion: 83 Resp: 58379
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.7 83.1
 127 7.8 5.8 8.6

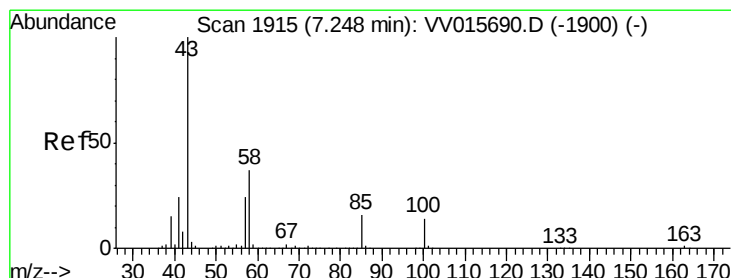
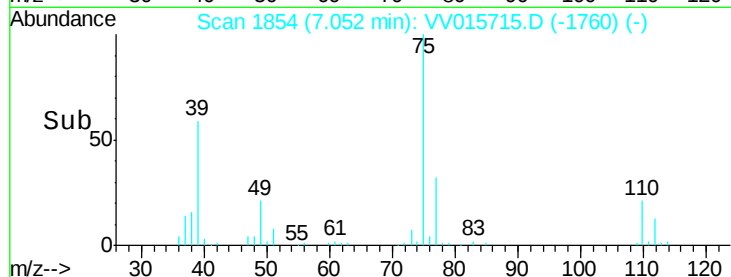
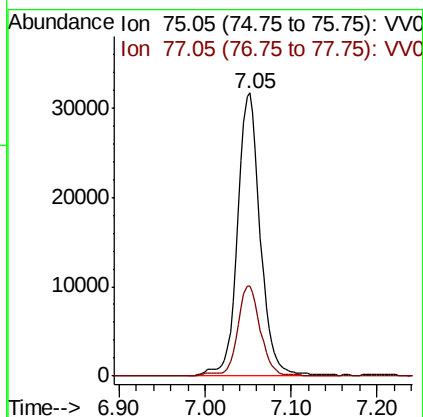
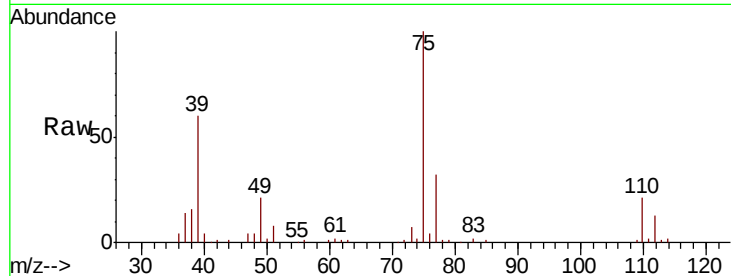




#39
 cis-1,3-Dichloropropene
 Concen: 4.818 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

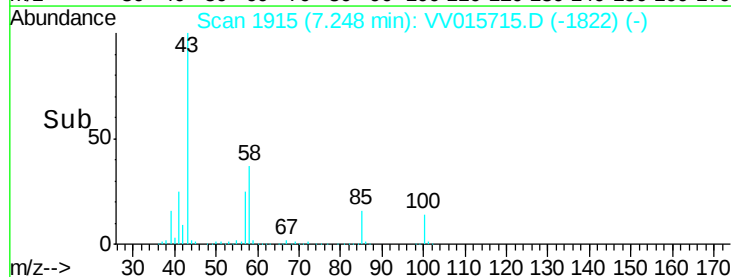
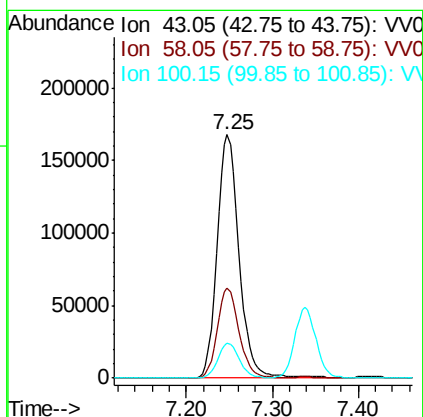
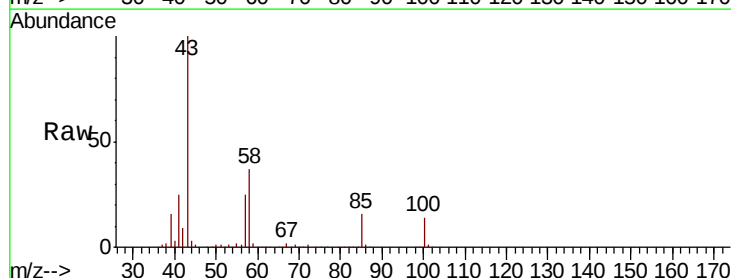
Instrument :
 MSVOA_V
 ClientSampleId :

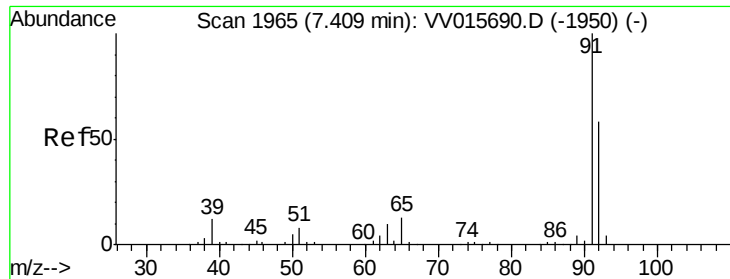
Tot Ion: 75 Resp: 58548
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 52.747 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Tgt Ion: 43 Resp: 298466
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.2 43.8
 100 14.1 11.4 17.2





#42

Toluene

Concen: 5.446 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

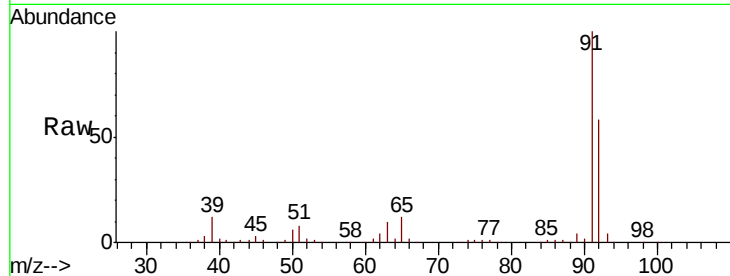
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 199583

Ion Ratio Lower Upper

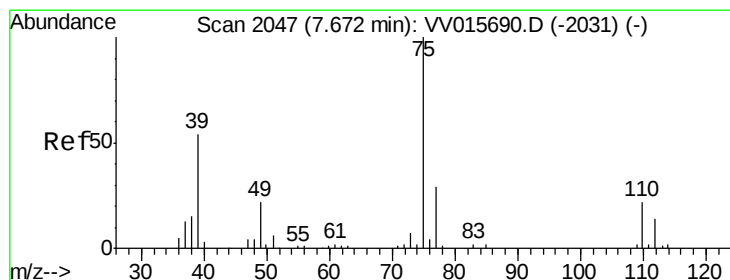
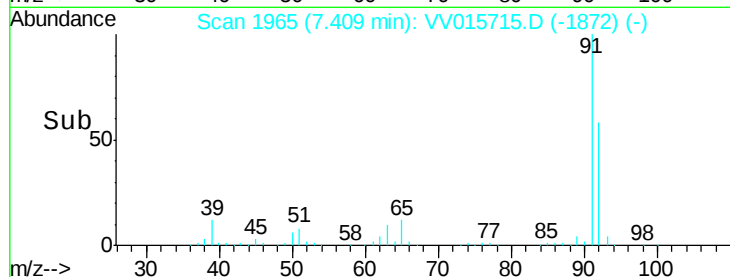
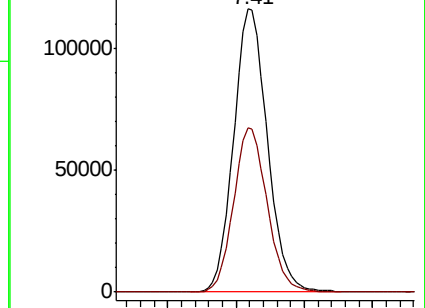
91 100

92 58.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015715.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV015715.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.748 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015715.D

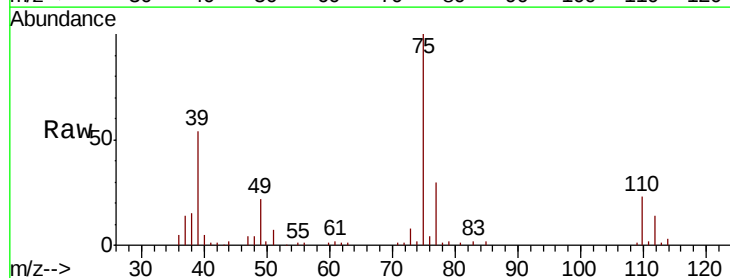
Acq: 25 Apr 2020 23:41

Tgt Ion: 75 Resp: 48492

Ion Ratio Lower Upper

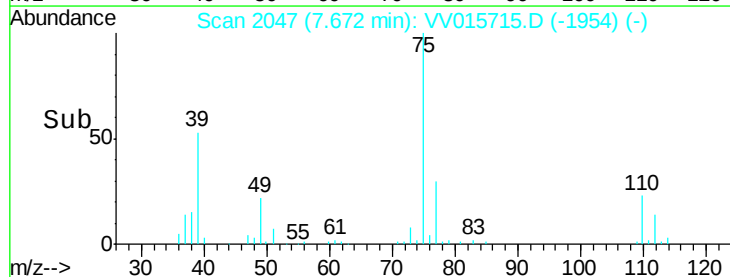
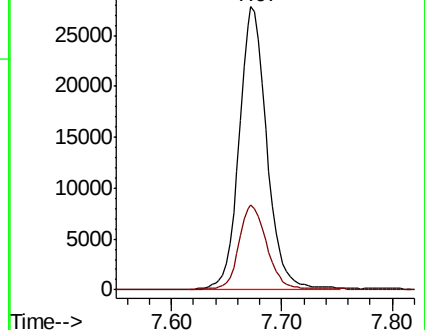
75 100

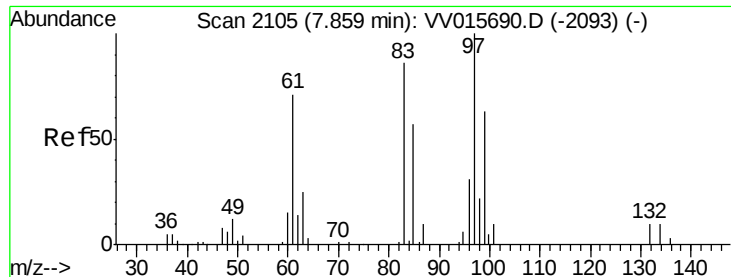
77 30.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015715.D (-1954) (-)

Ion 77.05 (76.75 to 77.75): VV015715.D (-1954) (-)

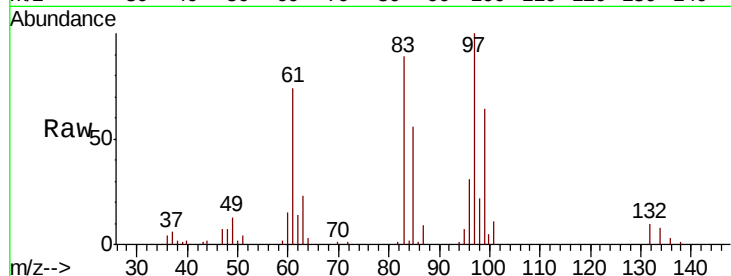




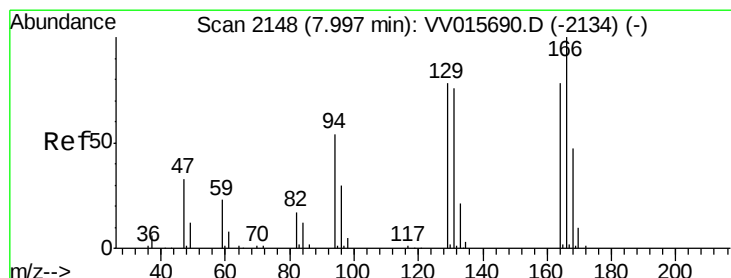
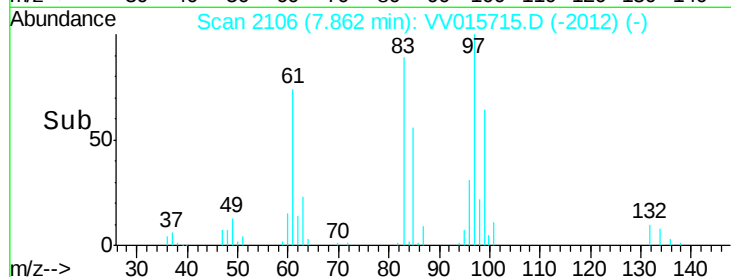
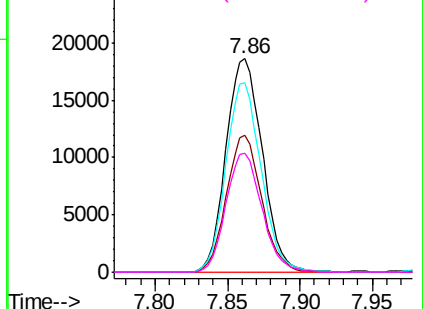
#45
 1,1,2-Trichloroethane
 Concen: 5.472 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	32519
Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.4	84.4
83	88.6	61.3	113.9
85	55.9	38.4	71.4

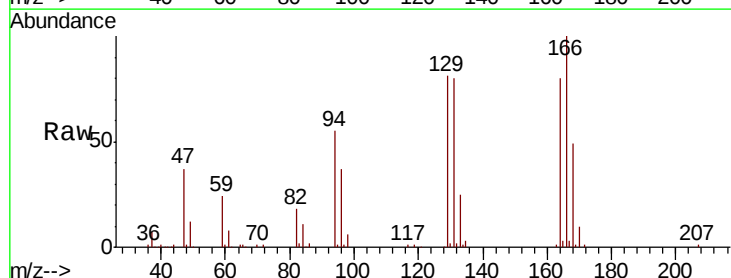


Abundance Ion 96.95 (96.65 to 97.65): VV015715.D (-2055) (-)
 Ion 99.05 (98.75 to 99.75): VV015715.D (-2055) (-)
 Ion 82.95 (82.65 to 83.65): VV015715.D (-2055) (-)
 Ion 85.00 (84.70 to 85.70): VV015715.D (-2055) (-)

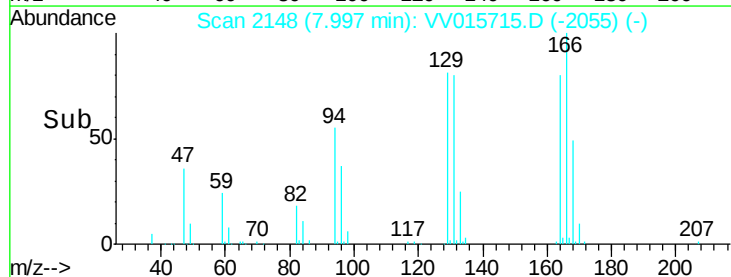
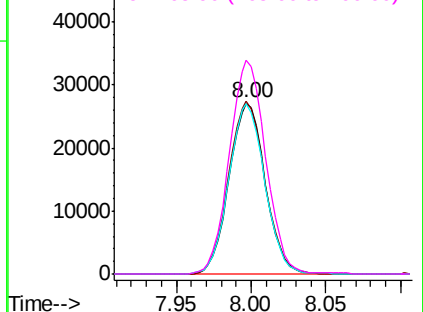


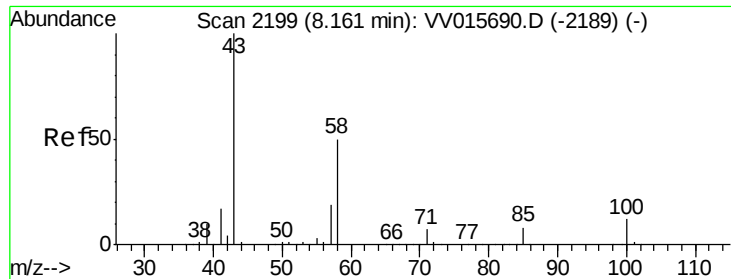
#47
 Tetrachloroethene
 Concen: 6.672 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Tgt Ion:	164	Resp:	45505
Ion	Ratio	Lower	Upper
164	100		
129	101.0	66.7	123.9
131	99.9	66.6	123.6
166	125.0	85.3	158.5



Abundance Ion 163.90 (163.60 to 164.60): VV015715.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV015715.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV015715.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV015715.D (-2055) (-)

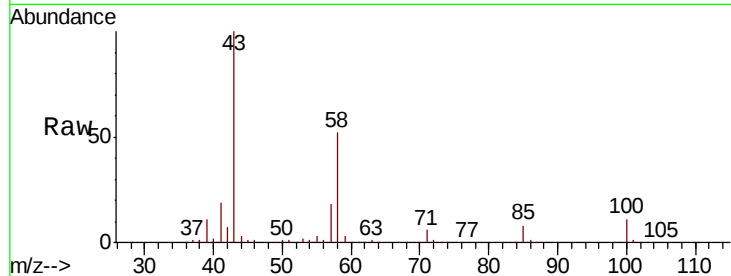




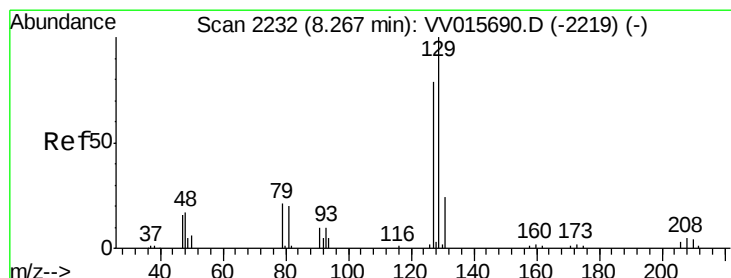
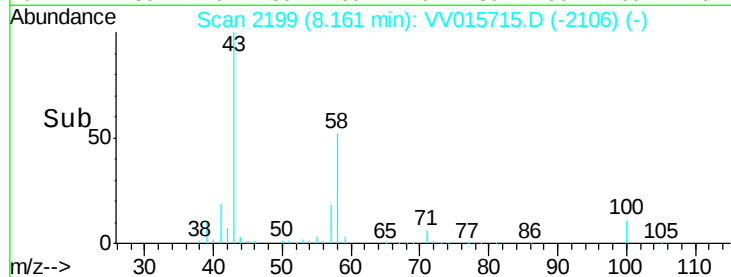
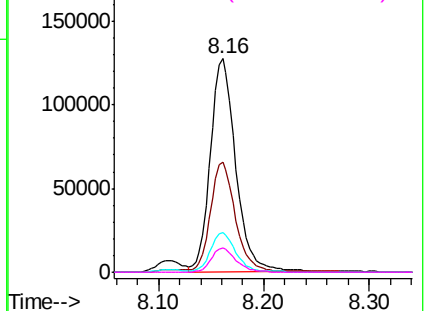
#48
2-Hexanone
Concen: 53.066 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 214130
Ion Ratio Lower Upper
43 100
58 50.3 41.1 61.7
57 18.5 15.0 22.4
100 11.2 9.0 13.4

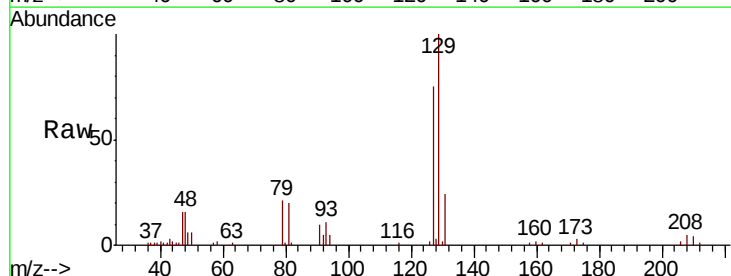


Abundance Ion 43.05 (42.75 to 43.75): VV015715.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV015715.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV015715.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV015715.D (-2106) (-)

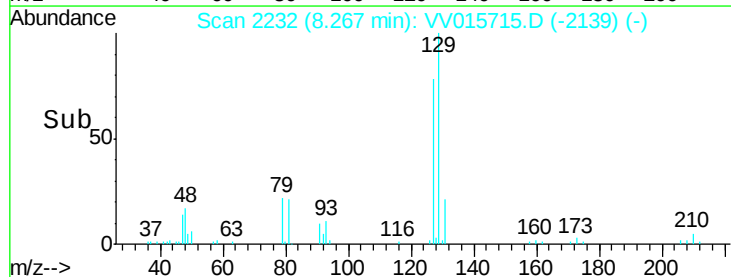
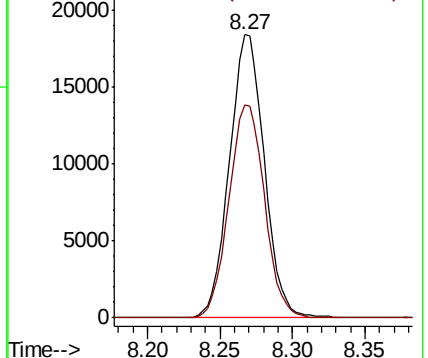


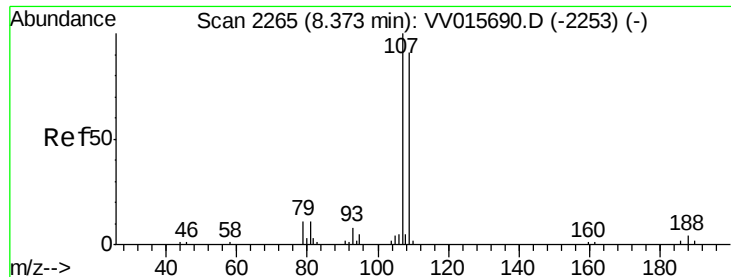
#49
Dibromochloromethane
Concen: 5.009 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Tgt Ion: 129 Resp: 30807
Ion Ratio Lower Upper
129 100
127 75.1 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015715.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015715.D (-2139) (-)

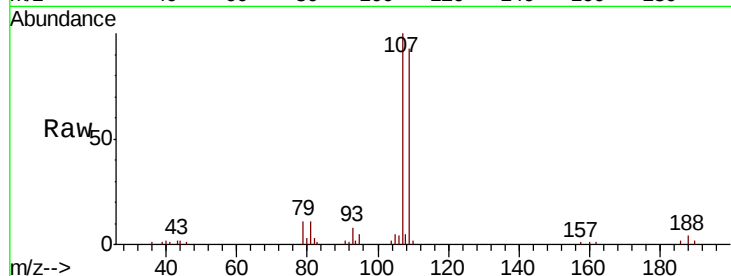




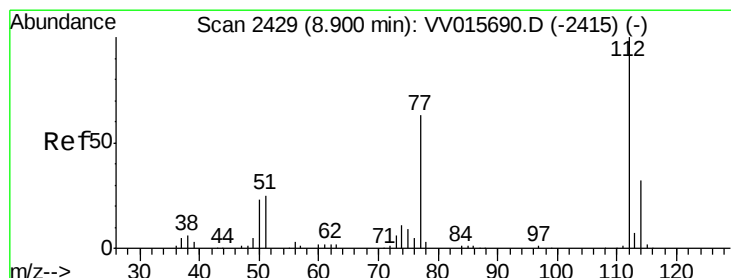
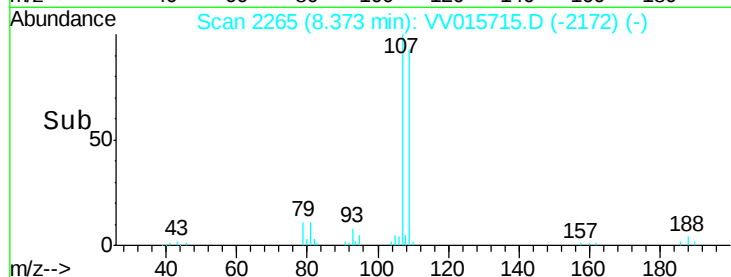
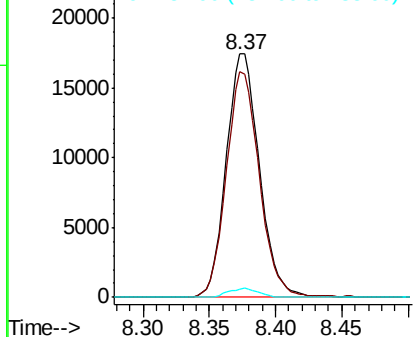
#50
1,2-Dibromoethane
Concen: 5.515 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	68.1	126.5
188	3.5	3.2	4.8

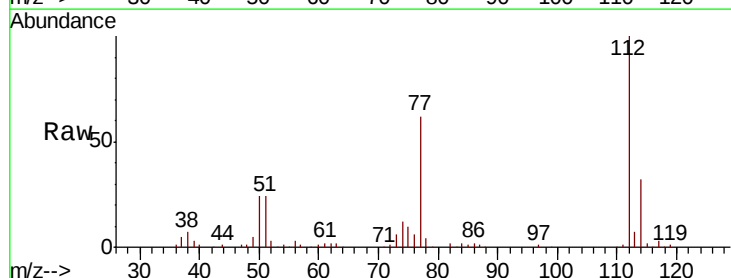


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

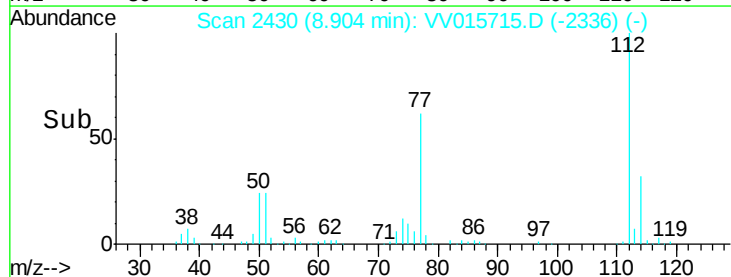
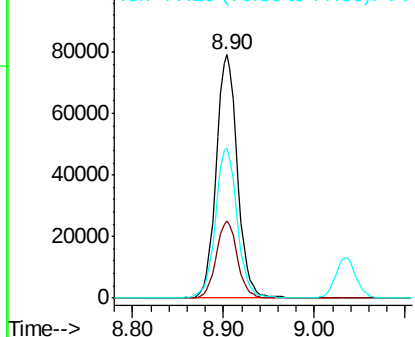


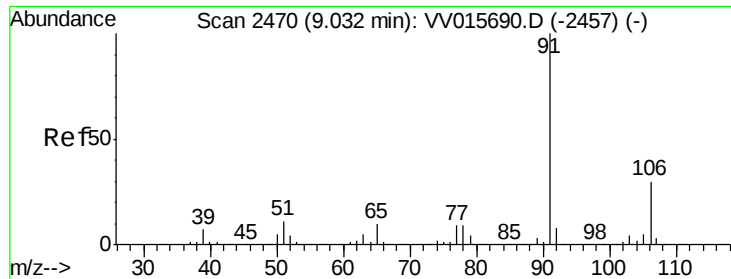
#51
Chlorobenzene
Concen: 5.327 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015715.D
Acq: 25 Apr 2020 23:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.6	40.2
77	61.8	48.9	73.3



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: 5.343 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

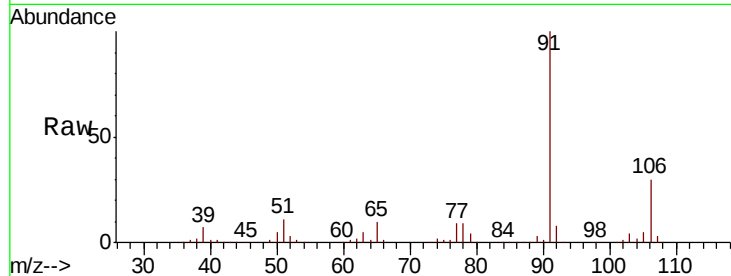
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 226638

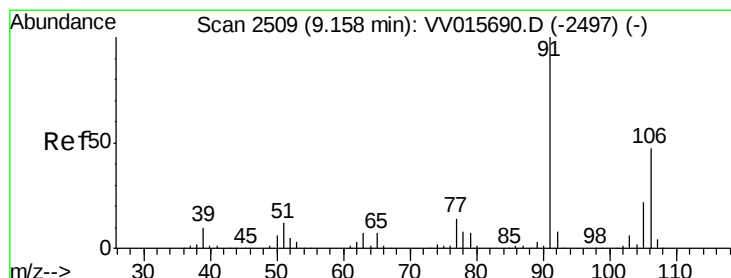
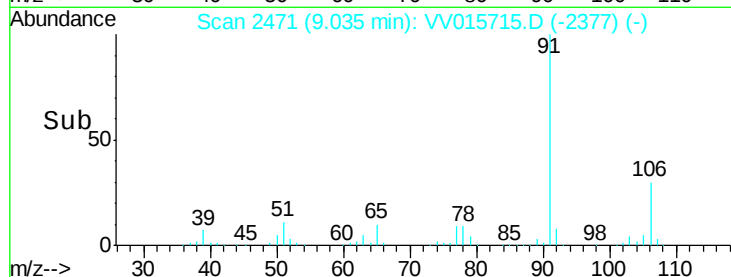
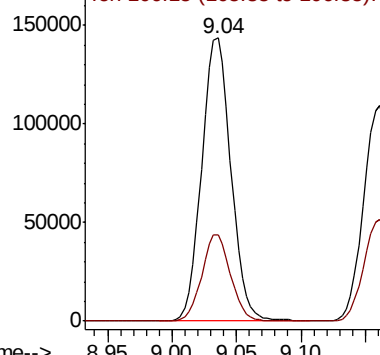
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015715.D (-2377) (-)



#53

m,p-xylene

Concen: 5.417 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015715.D

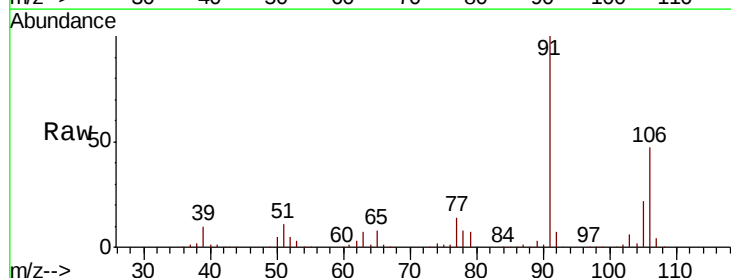
Acq: 25 Apr 2020 23:41

Tgt Ion: 106 Resp: 84156

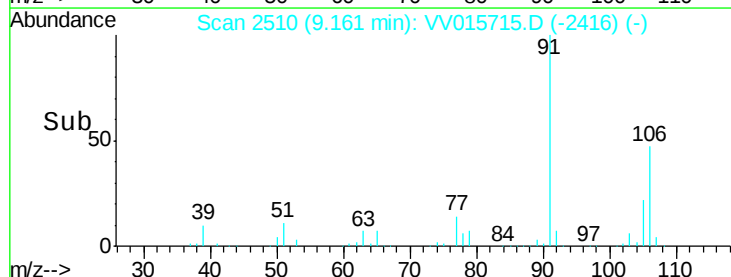
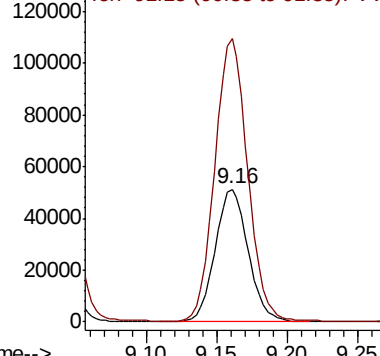
Ion Ratio Lower Upper

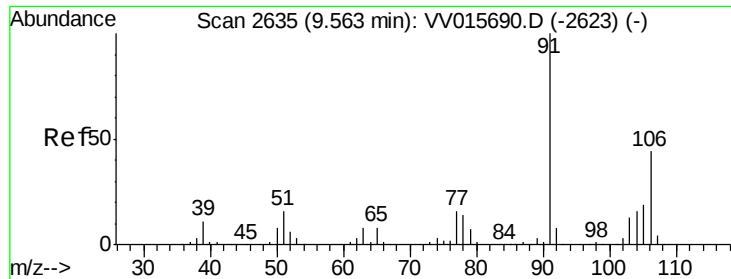
106 100

91 213.1 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015715.D (-2416) (-)





#54

o-xylene

Concen: 5.391 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

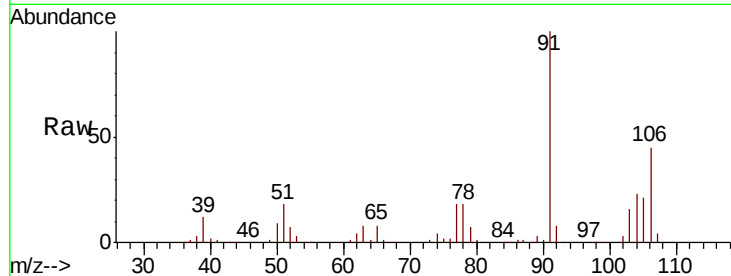
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 81043

Ion Ratio Lower Upper

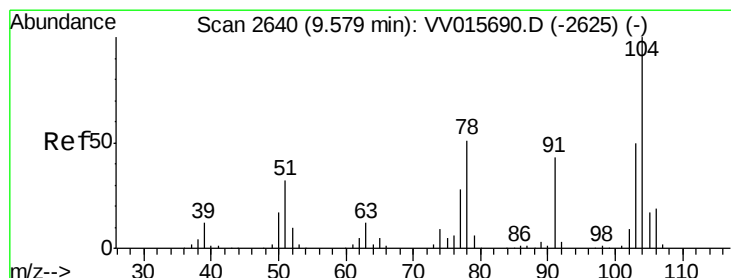
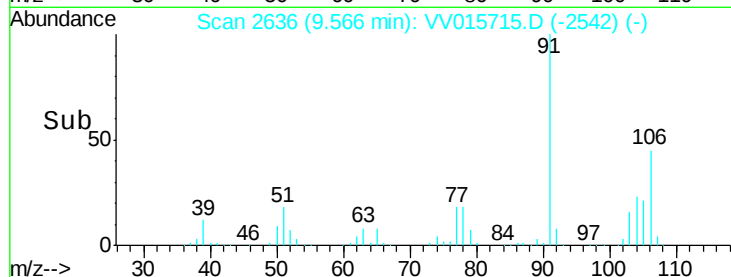
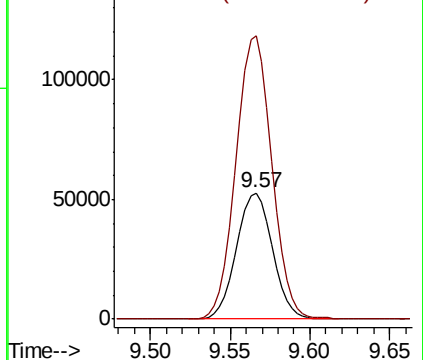
106 100

91 224.3 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.433 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015715.D

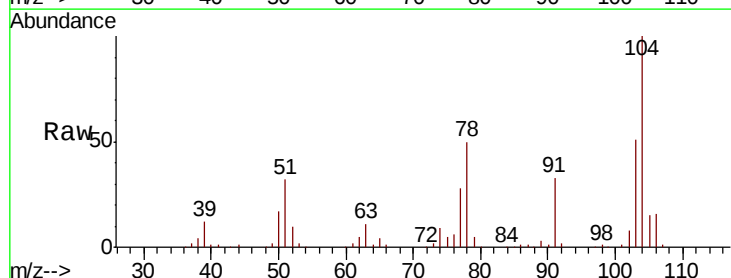
Acq: 25 Apr 2020 23:41

Tgt Ion:104 Resp: 138594

Ion Ratio Lower Upper

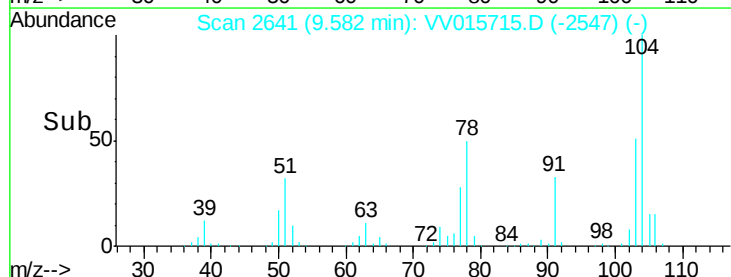
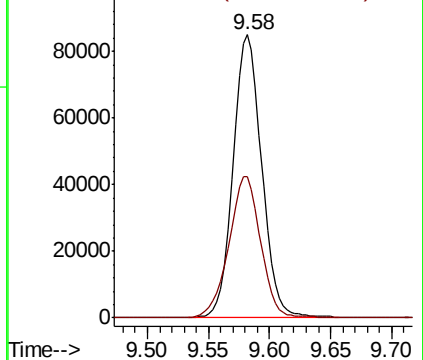
104 100

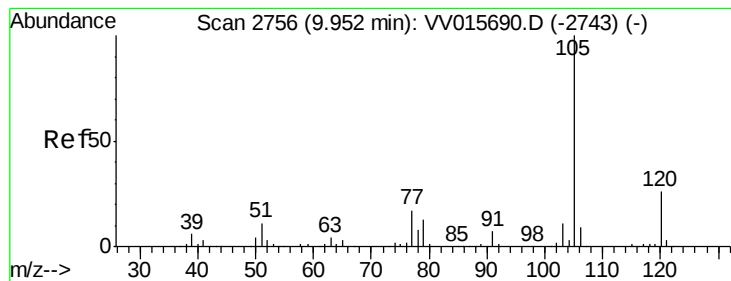
78 49.7 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.359 ug/L

RT: 9.95 min Scan# 2756

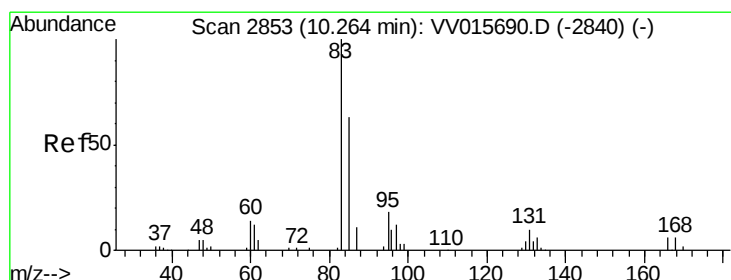
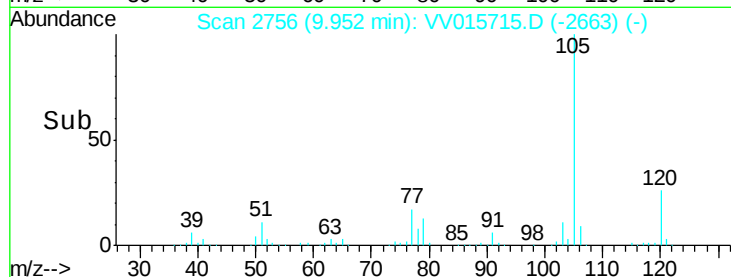
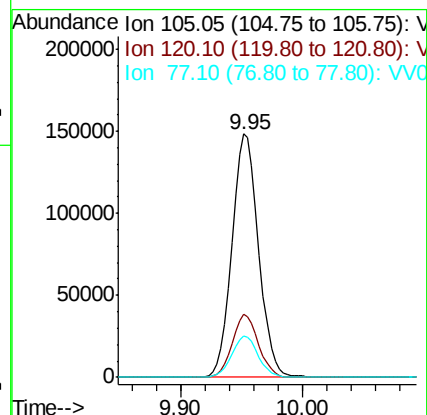
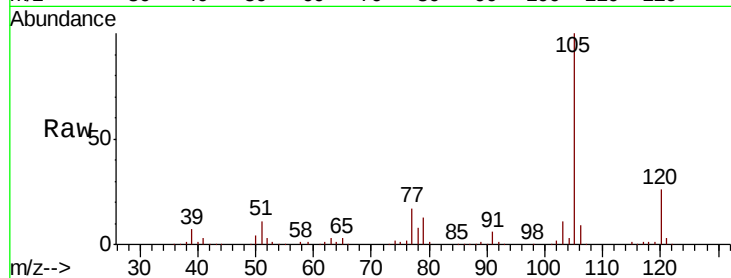
Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	225992
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.7	31.1
77	17.0	13.9	20.9



#58

1,1,2,2-Tetrachloroethane

Concen: 5.464 ug/L

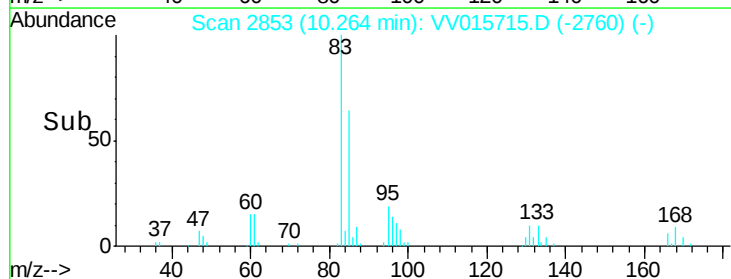
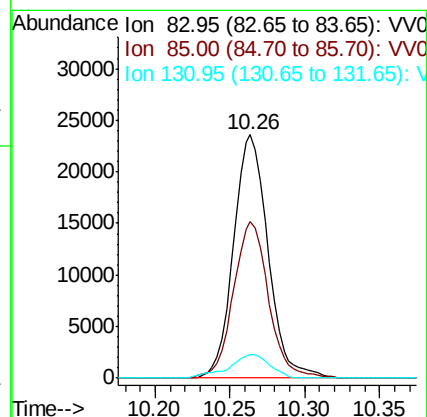
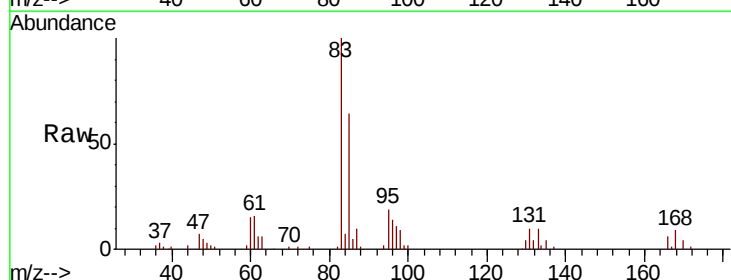
RT: 10.26 min Scan# 2853

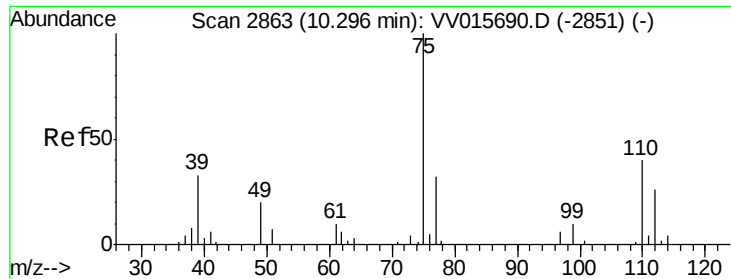
Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Tgt Ion:	83	Resp:	37914
Ion	Ratio	Lower	Upper
83	100		
85	64.4	46.3	85.9
131	9.8	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 5.344 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

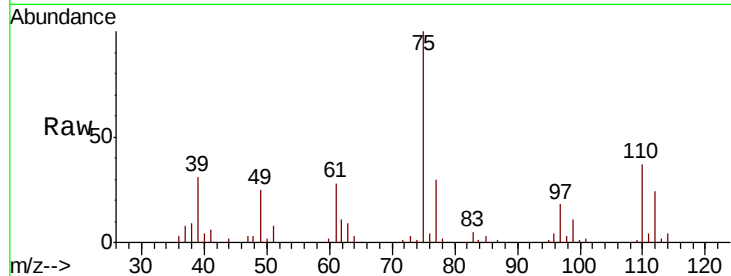
ClientSampled :

Tot Ion: 75 Resp: 29745

Ion Ratio Lower Upper

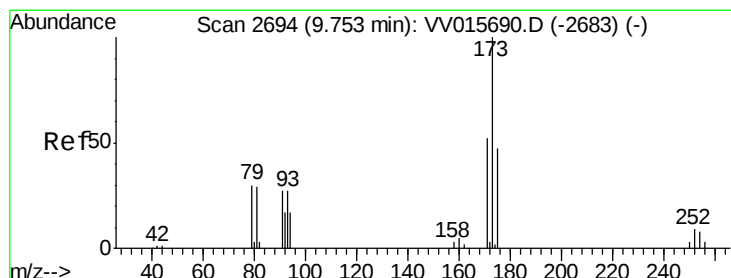
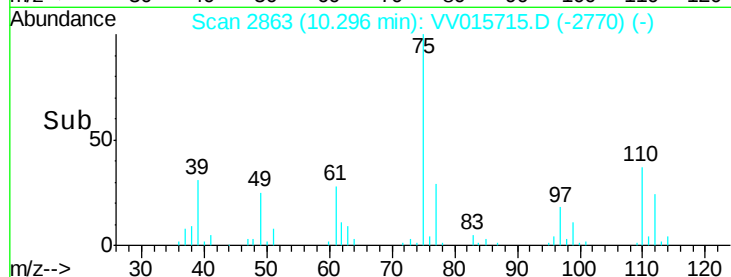
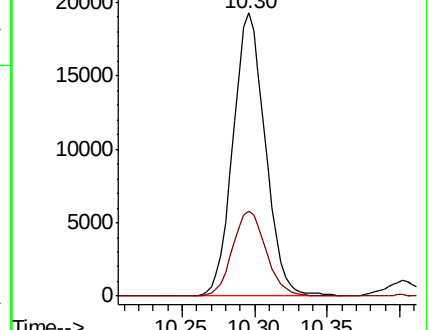
75 100

77 31.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015690.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015690.D (-2851) (-)



#61

Bromoform

Concen: 4.780 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

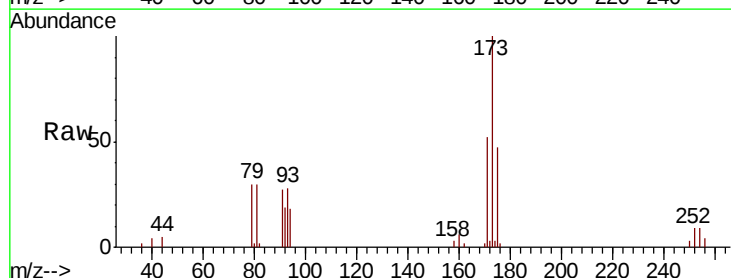
Tgt Ion: 173 Resp: 12098

Ion Ratio Lower Upper

173 100

175 47.8 39.8 59.8

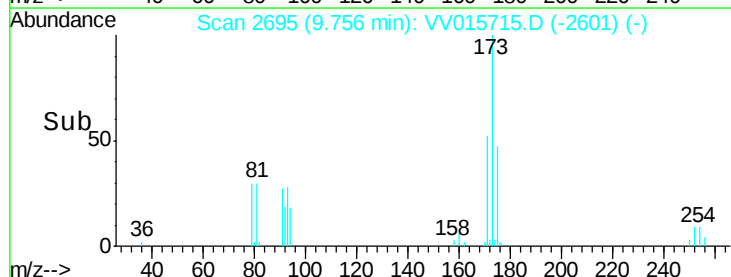
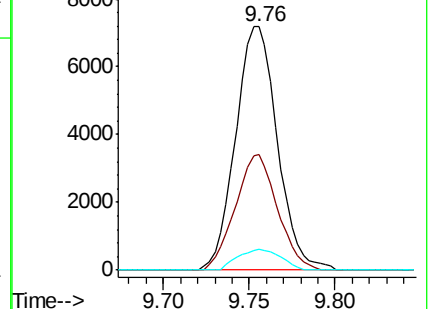
254 8.8 5.8 8.8#

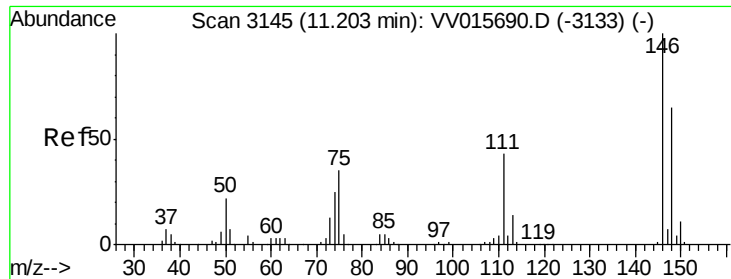


Abundance Ion 172.90 (172.60 to 173.60): VV015690.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015690.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015690.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 5.315 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampleId :

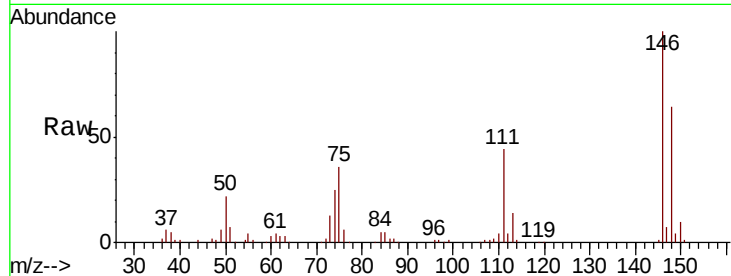
Tot Ion:146 Resp: 103128

Ion Ratio Lower Upper

146 100

111 43.8 30.0 55.6

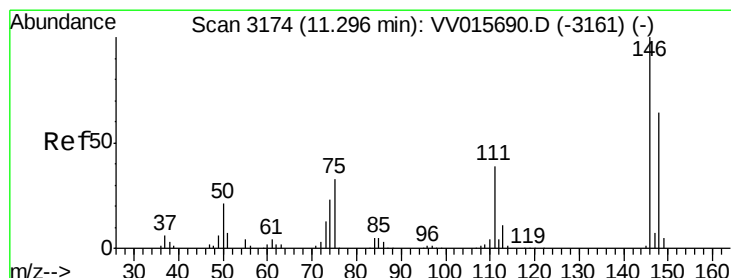
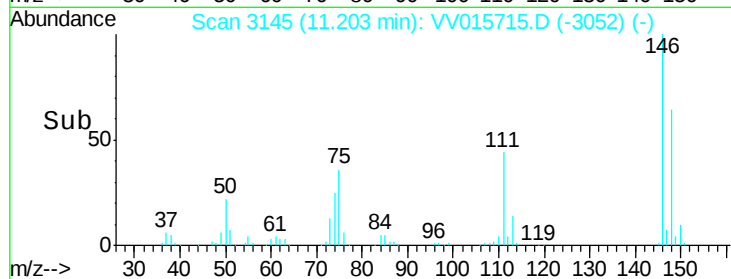
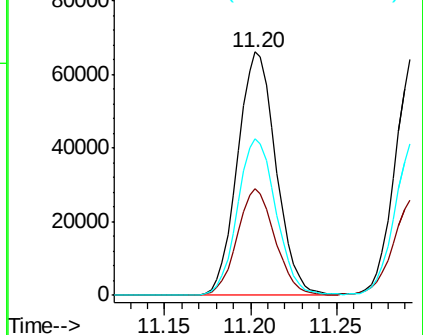
148 64.2 44.2 82.2



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: 5.269 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

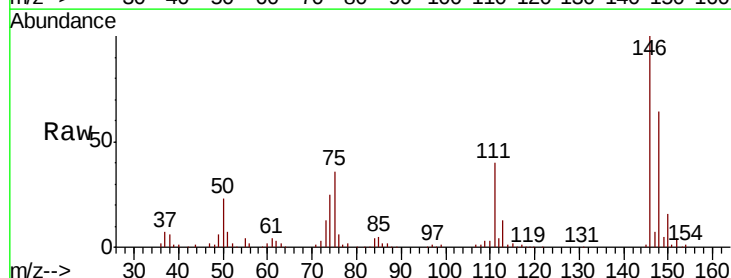
Tgt Ion:146 Resp: 103100

Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

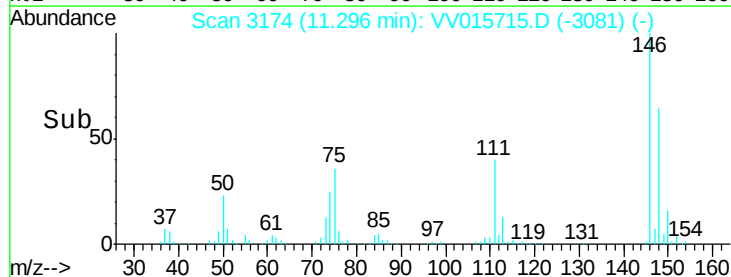
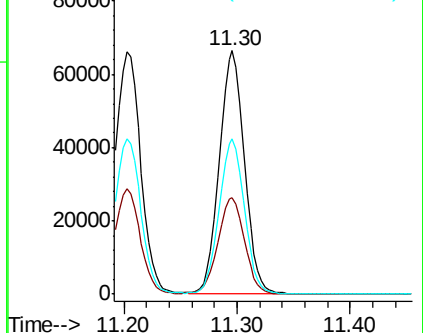
148 63.9 45.7 84.9

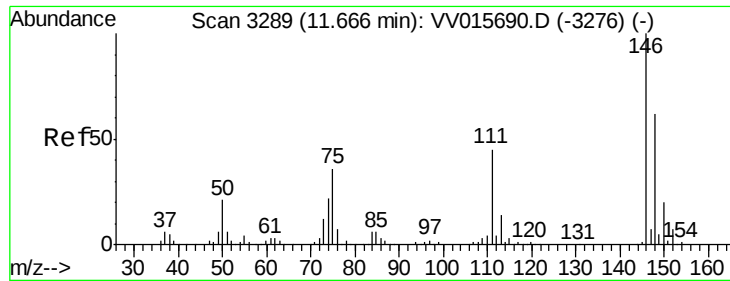


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.364 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampleId :

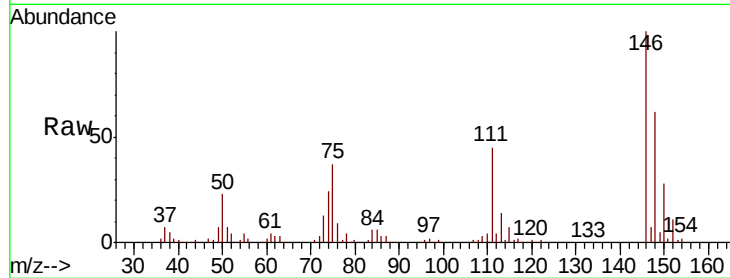
Tot Ion:146 Resp: 94124

Ion Ratio Lower Upper

146 100

111 44.9 34.7 52.1

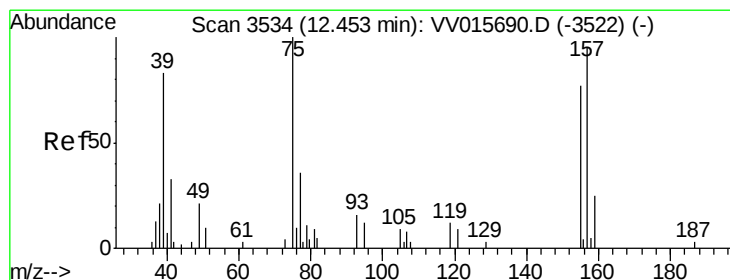
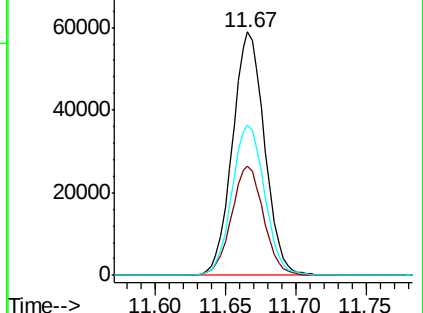
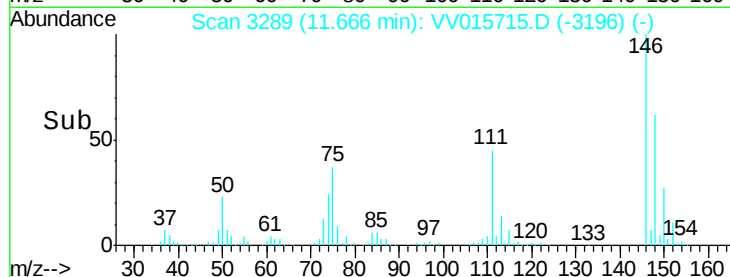
148 61.9 51.3 76.9



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: 5.123 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

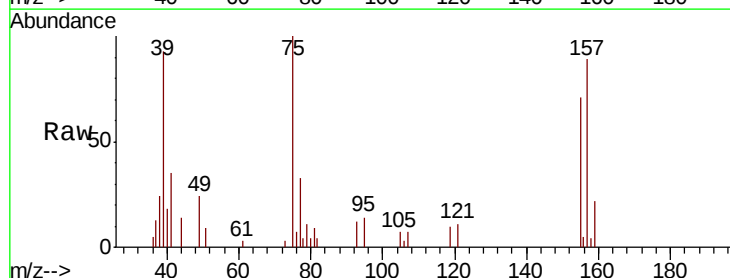
Tgt Ion: 75 Resp: 5857

Ion Ratio Lower Upper

75 100

155 70.6 51.0 76.4

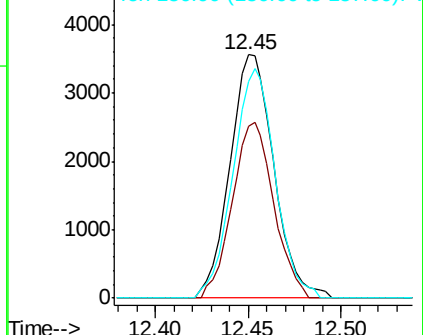
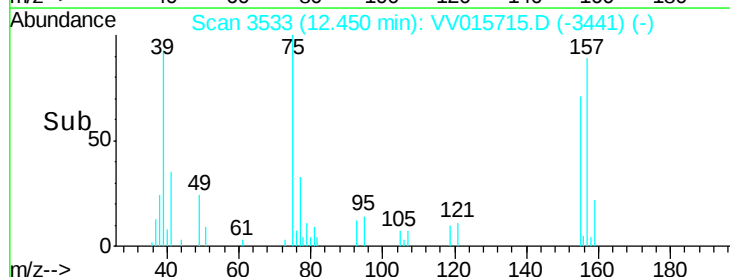
157 89.2 70.6 106.0

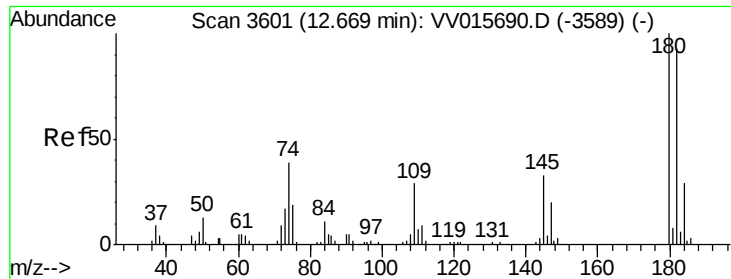


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

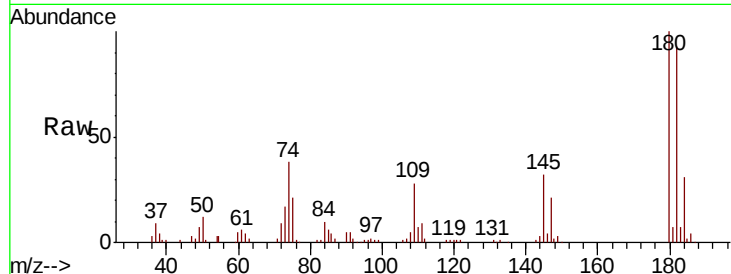




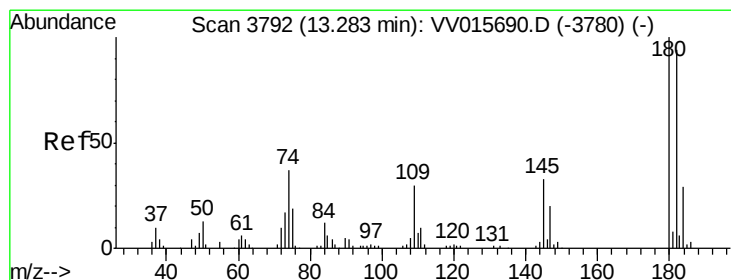
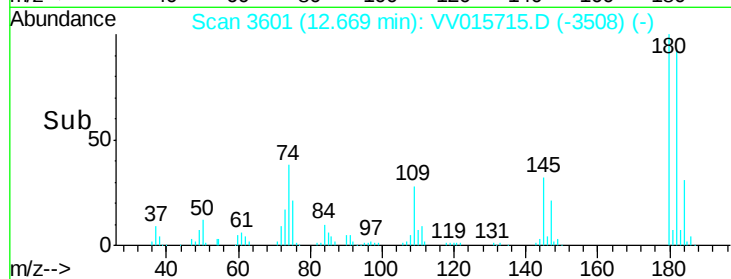
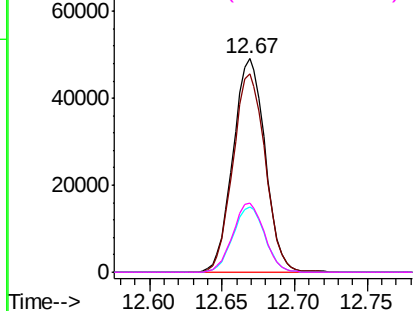
#67
 1,3,5-Trichlorobenzene
 Concen: 5.265 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 75498
 Ion Ratio Lower Upper
 180 100
 182 93.6 78.2 117.4
 184 30.3 25.0 37.4
 145 32.0 26.4 39.6

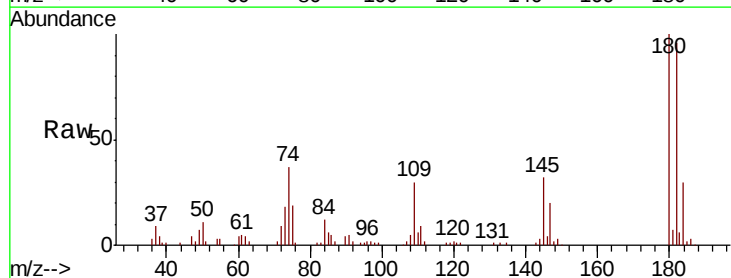


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

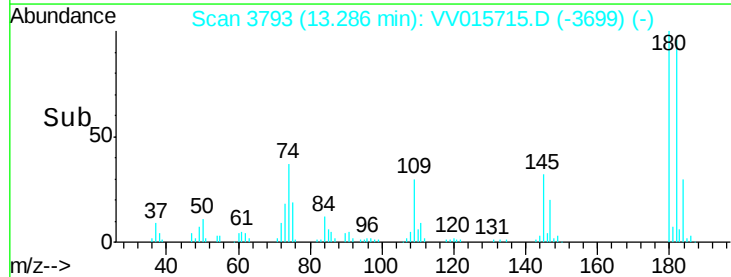
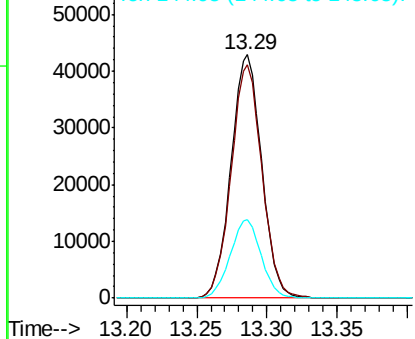


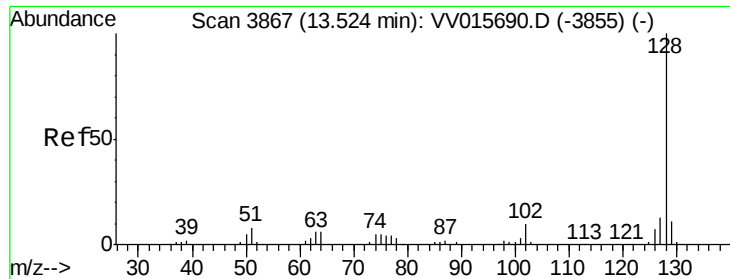
#68
 1,2,4-trichlorobenzene
 Concen: 4.954 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015715.D
 Acq: 25 Apr 2020 23:41

Tgt Ion:180 Resp: 65380
 Ion Ratio Lower Upper
 180 100
 182 96.5 74.8 112.2
 145 32.6 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: 4.660 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

Instrument :

MSVOA_V

ClientSampleId :

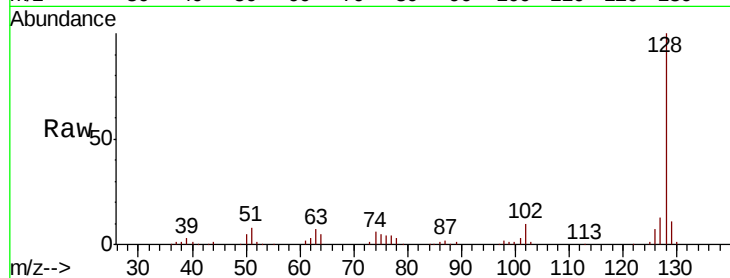
Tot Ion:128 Resp: 110063

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

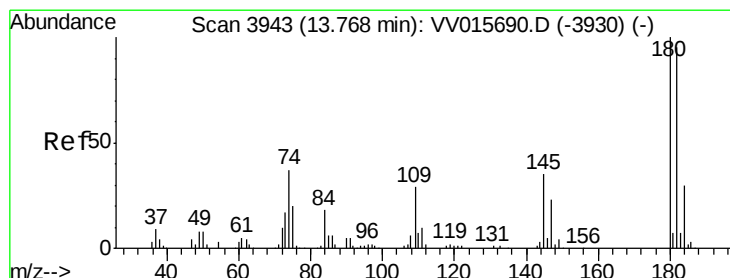
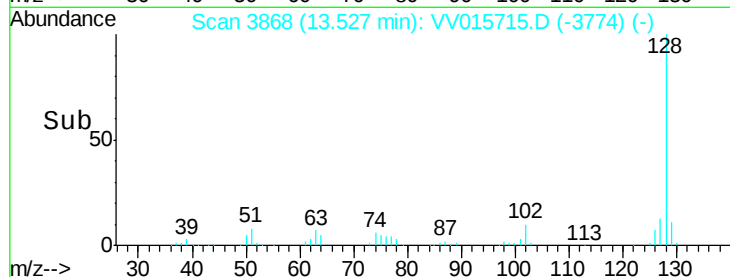
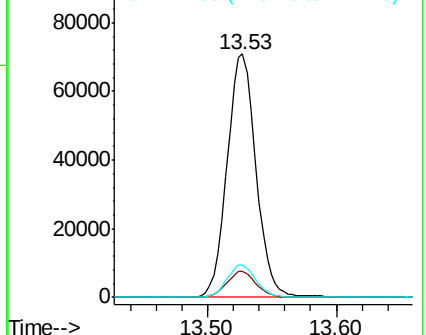
127 13.4 10.2 15.4



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: 5.043 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015715.D

Acq: 25 Apr 2020 23:41

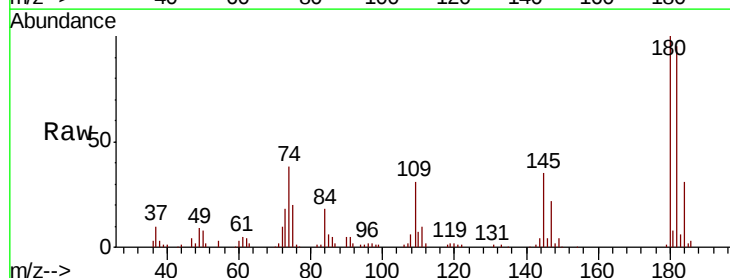
Tgt Ion:180 Resp: 58734

Ion Ratio Lower Upper

180 100

182 94.3 74.8 112.2

145 34.8 28.4 42.6



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

