

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015902.D
 Acq On : 05 May 2020 15:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 06 02:00:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:59:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	158240	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	152601	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	78521	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	48237	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.57	69	42607	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.12	63	92863	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	3.95	46	133394	52.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	4.38	84	95265	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	54601	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.07	84	190724	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.09	67	56473	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.34	98	180975	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.64	79	22316	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.11	63	108950	53.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	40956	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	65052	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	61612	4.864	ug/L 99
3) Chloromethane	1.24	50	60711	4.810	ug/L 100
5) Vinyl chloride	1.32	62	57754	4.775	ug/L 98
6) Bromomethane	1.53	94	31251	4.664	ug/L 97
8) Chloroethane	1.59	64	35571	4.834	ug/L 98
9) Trichlorofluoromethane	1.76	101	79674	4.893	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44213	4.761	ug/L 99
12) 1,1-Dichloroethene	2.13	96	41890	4.722	ug/L 95
13) Acetone	2.24	43	80610	51.885	ug/L 68
14) Carbon disulfide	2.30	76	137676	4.759	ug/L 99
15) Methyl Acetate	2.47	43	20047	5.546	ug/L 98
16) Methylene chloride	2.52	84	59792	4.785	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	114349	4.865	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	49168	4.932	ug/L 100
19) 1,1-Dichloroethane	3.21	63	90204	4.740	ug/L 99
21) 2-Butanone	4.03	43	129218	49.781	ug/L # 71
22) cis-1,2-Dichloroethene	3.94	96	49996	4.812	ug/L 100

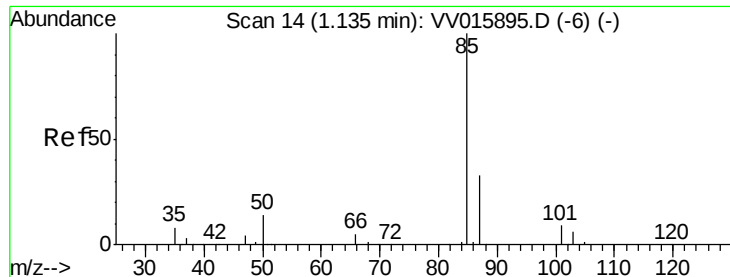
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015902.D
 Acq On : 05 May 2020 15:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 06 02:00:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:59:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	20964	4.837	ug/L	99
25) Chloroform	4.40	83	102155	4.932	ug/L	99
27) 1,2-Dichloroethane	5.16	62	64306	5.011	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	84204	4.837	ug/L	98
30) Cyclohexane	4.70	56	86075	4.831	ug/L	99
31) Carbon tetrachloride	4.85	117	71642	4.791	ug/L	99
33) Benzene	5.13	78	196360	4.910	ug/L	100
34) Trichloroethene	5.94	95	52897	4.861	ug/L	97
35) Methylcyclohexane	6.15	83	86288	4.847	ug/L	100
37) 1,2-Dichloropropane	6.20	63	49889	4.989	ug/L	100
38) Bromodichloromethane	6.53	83	60693	4.845	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	69470	4.938	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	321766	50.410	ug/L	99
42) Toluene	7.41	91	209074	4.913	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	58579	4.920	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	33309	4.942	ug/L	99
47) Tetrachloroethene	8.00	164	38455	4.739	ug/L	98
48) 2-Hexanone	8.16	43	234266	52.584	ug/L	100
49) Dibromochloromethane	8.27	129	35841	4.928	ug/L	98
50) 1,2-Dibromoethane	8.38	107	31302	4.922	ug/L	97
51) Chlorobenzene	8.90	112	132299	4.857	ug/L	97
52) Ethylbenzene	9.03	91	237864	4.911	ug/L	100
53) m,p-xylene	9.16	106	87987	4.854	ug/L	98
54) o-xylene	9.57	106	85571	4.964	ug/L	99
55) Styrene	9.58	104	144584	5.016	ug/L	99
56) Isopropylbenzene	9.95	105	233766	4.930	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	38781	4.995	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	30590	4.993	ug/L	97
61) Bromoform	9.76	173	16136	4.815	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	105171	4.742	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	105952	4.820	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	97039	4.827	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6149	4.403	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	78315	4.746	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	67976	4.898	ug/L	99
69) Naphthalene	13.53	128	115306	4.914	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	60674	4.881	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.864 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

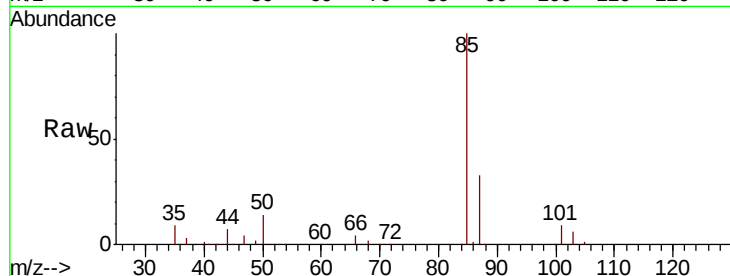
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 61612

Ion Ratio Lower Upper

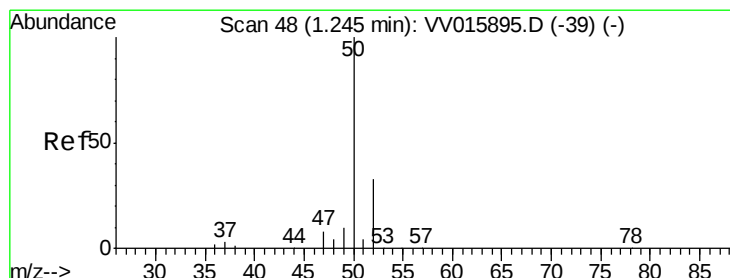
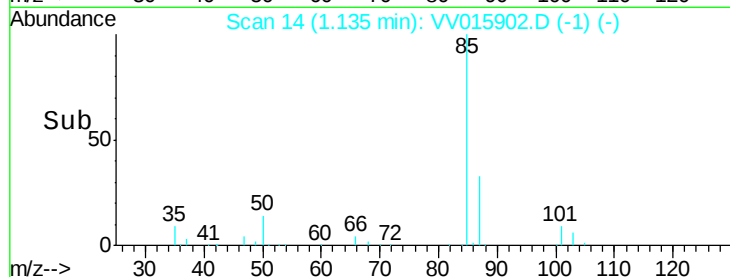
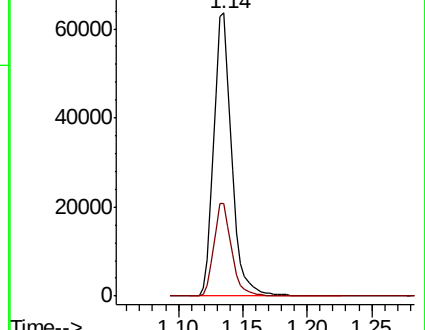
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015895.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015895.D (-6) (-)



#3

Chloromethane

Concen: 4.810 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015902.D

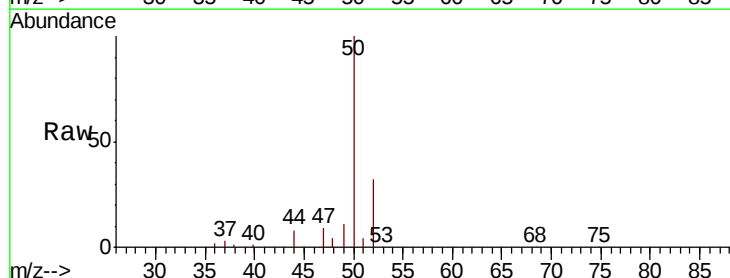
Acq: 05 May 2020 15:23

Tgt Ion: 50 Resp: 60711

Ion Ratio Lower Upper

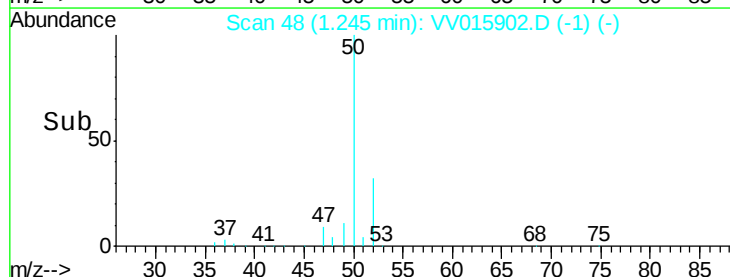
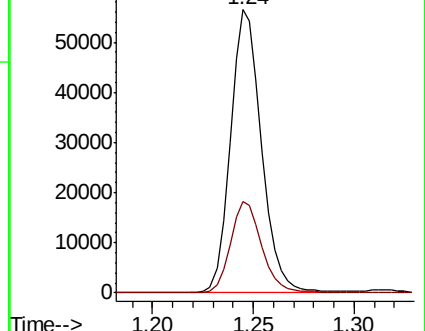
50 100

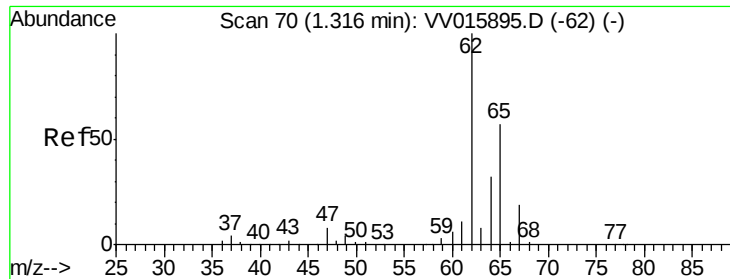
52 32.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015895.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV015895.D (-39) (-)





#5

Vinyl chloride

Concen: 4.775 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

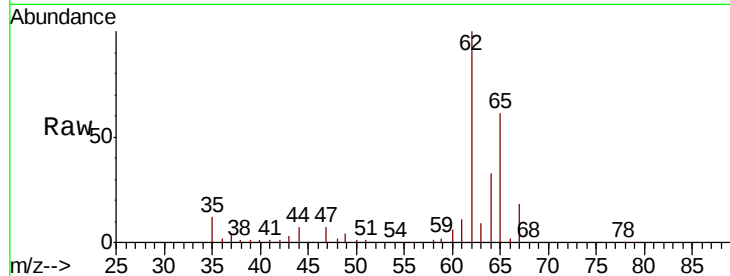
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 57754

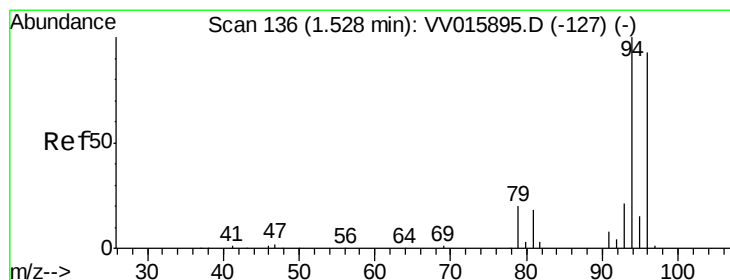
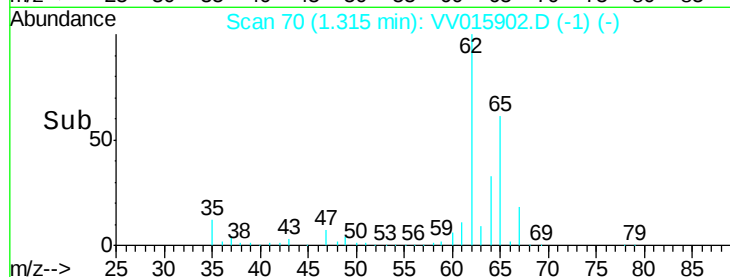
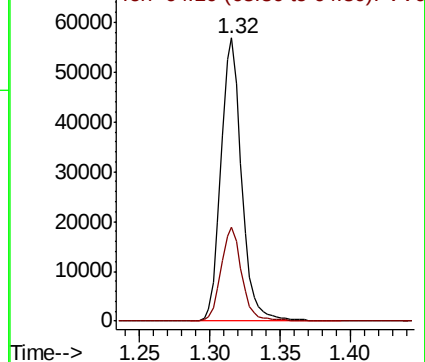
Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.664 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015902.D

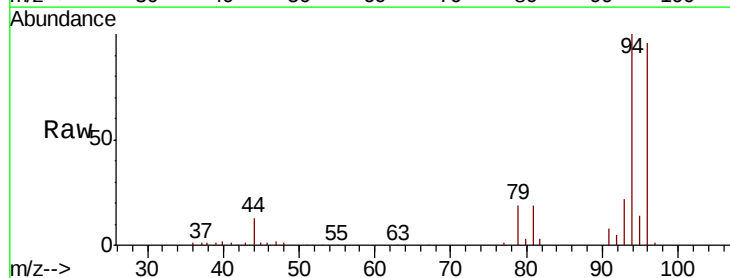
Acq: 05 May 2020 15:23

Tgt Ion: 94 Resp: 31251

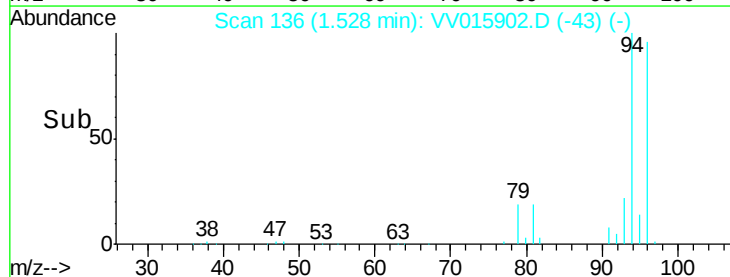
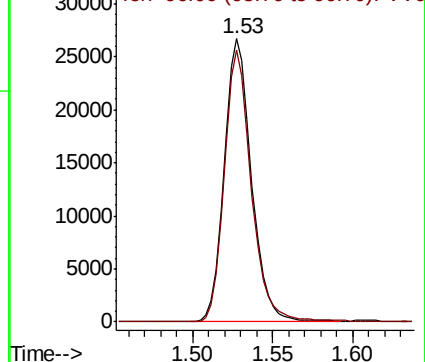
Ion Ratio Lower Upper

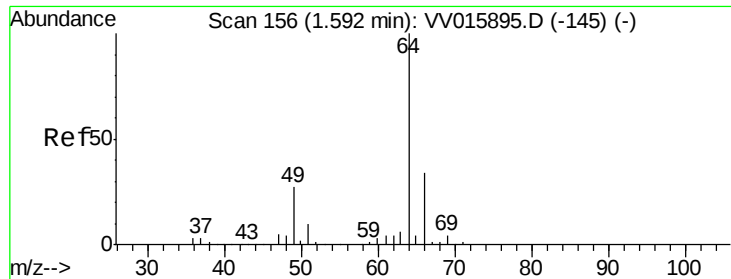
94 100

96 96.0 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.834 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

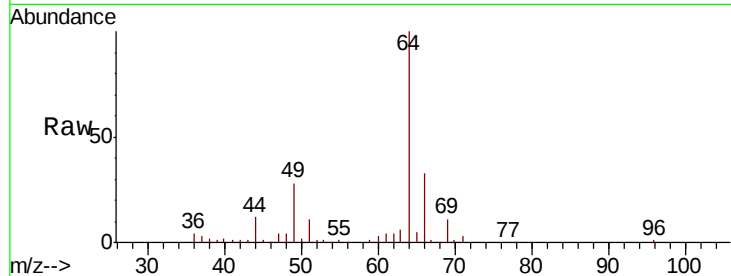
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 35571

Ion Ratio Lower Upper

64 100

66 32.8 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015895.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV015895.D (-145) (-)

1.59

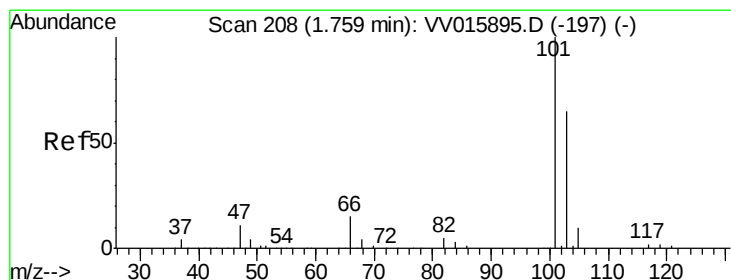
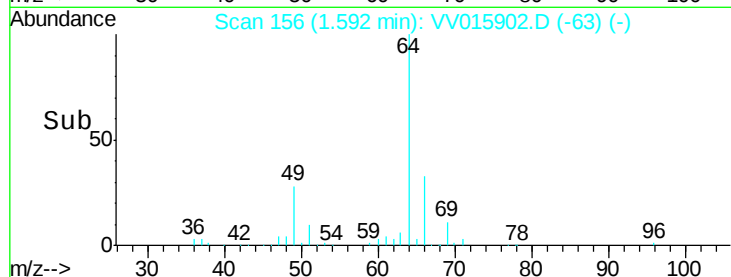
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.893 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015902.D

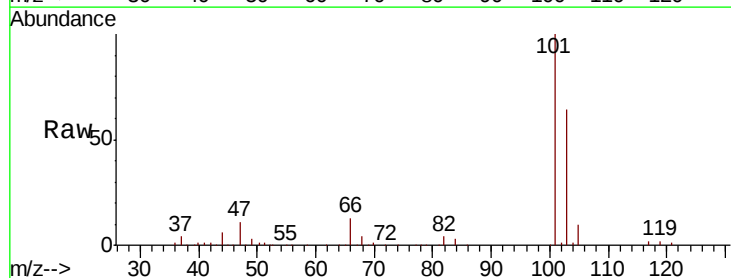
Acq: 05 May 2020 15:23

Tgt Ion:101 Resp: 79674

Ion Ratio Lower Upper

101 100

103 63.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015895.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015895.D (-197) (-)

1.76

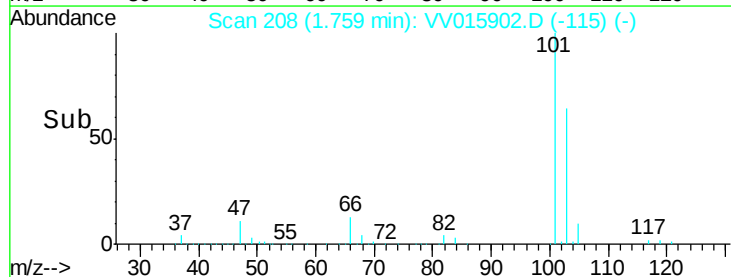
60000

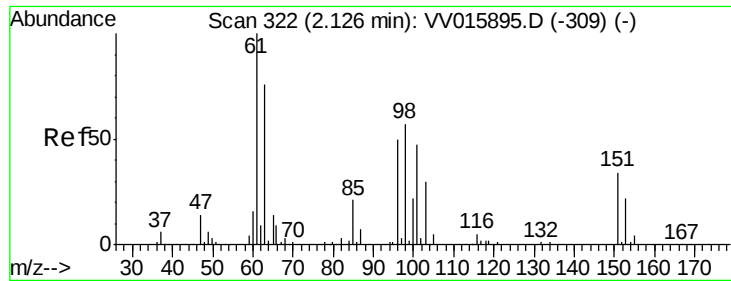
40000

20000

0

Time-->





#10

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

Concen: 4.761 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

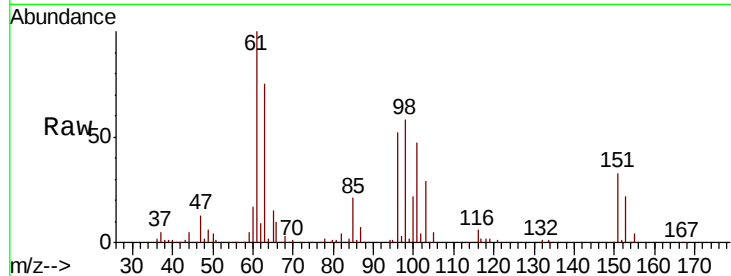
Tot Ion:101 Resp: 44213

Ion Ratio Lower Upper

101 100

85 43.8 35.7 53.5

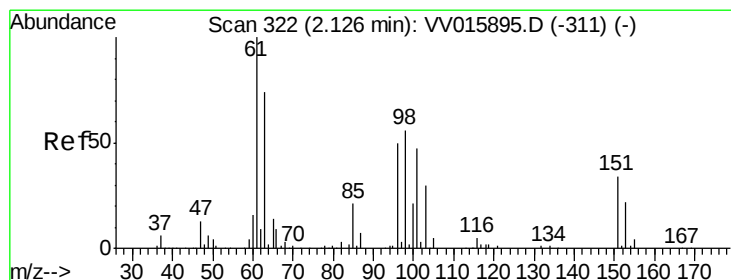
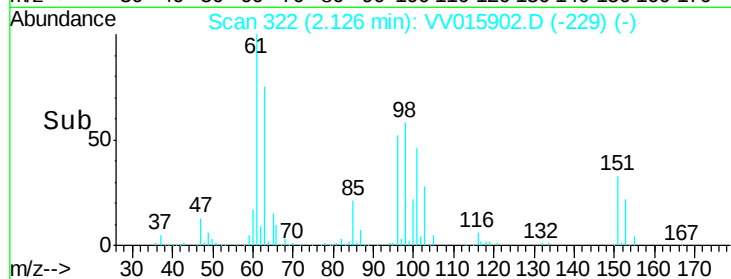
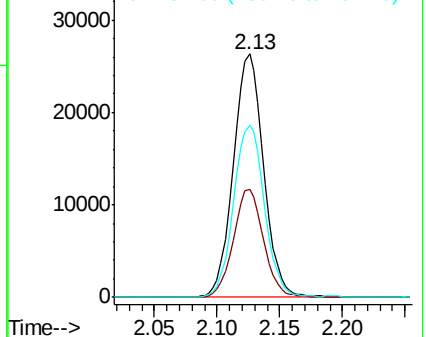
151 71.8 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.722 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

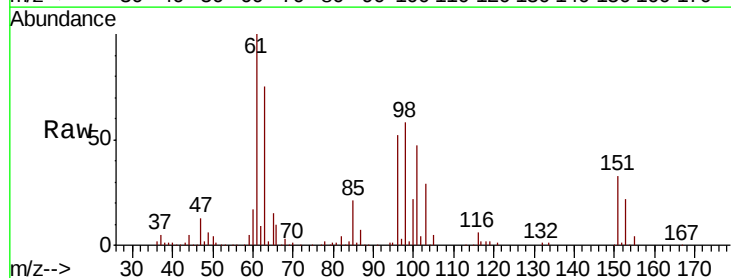
Tgt Ion: 96 Resp: 41890

Ion Ratio Lower Upper

96 100

61 192.8 139.9 259.7

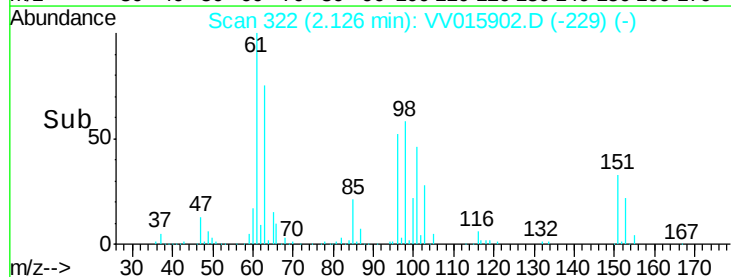
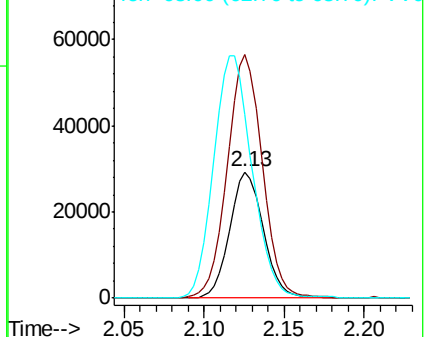
63 145.4 106.4 197.6

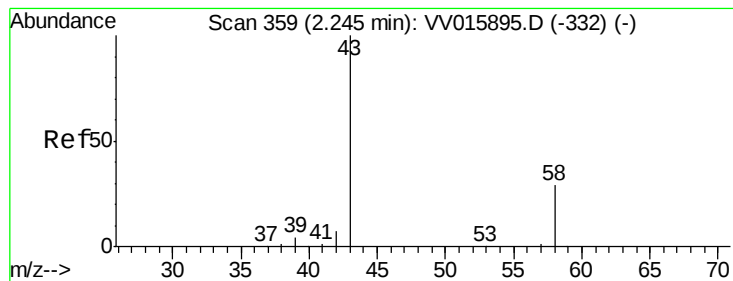


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.885 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

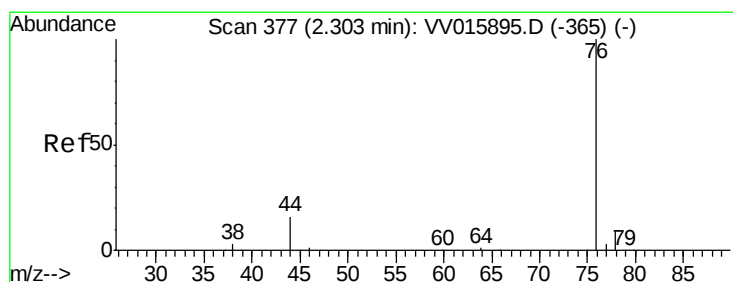
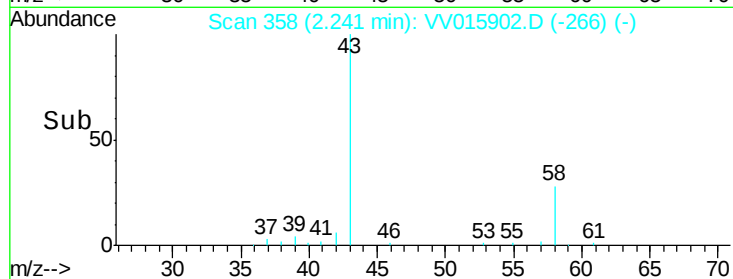
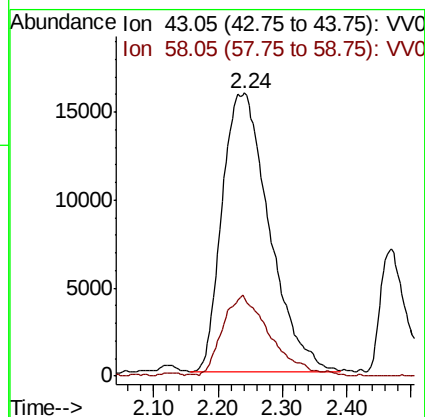
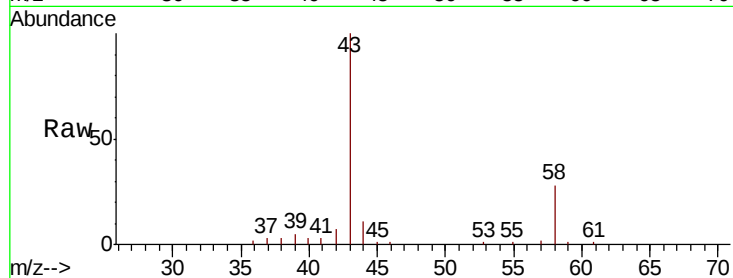
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 80610

Ion Ratio Lower Upper

43 100

58 29.0 0.0 30.8



#14

Carbon disulfide

Concen: 4.759 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015902.D

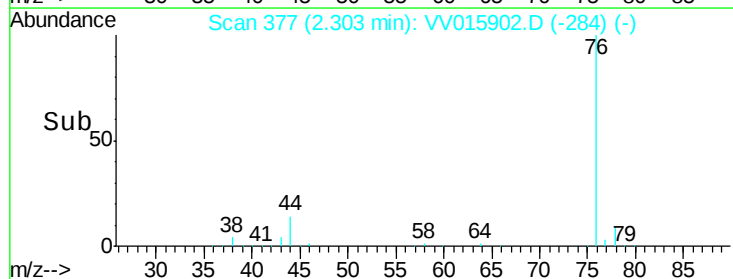
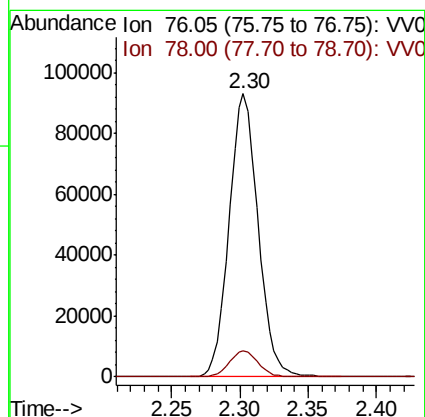
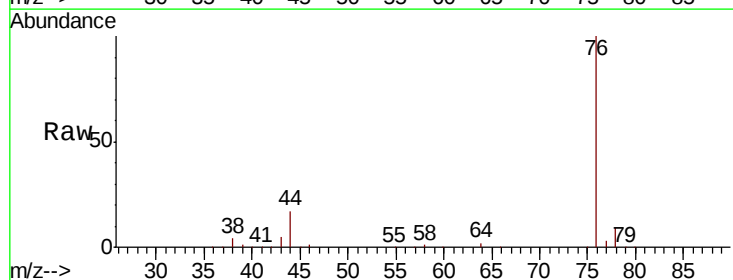
Acq: 05 May 2020 15:23

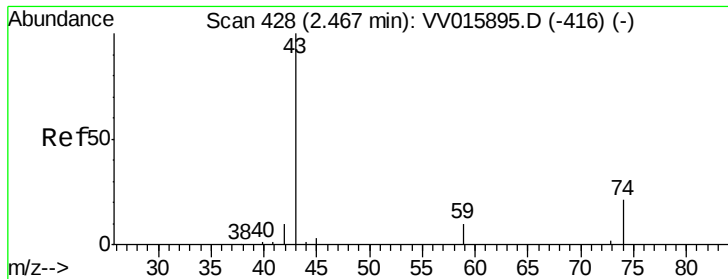
Tgt Ion: 76 Resp: 137676

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

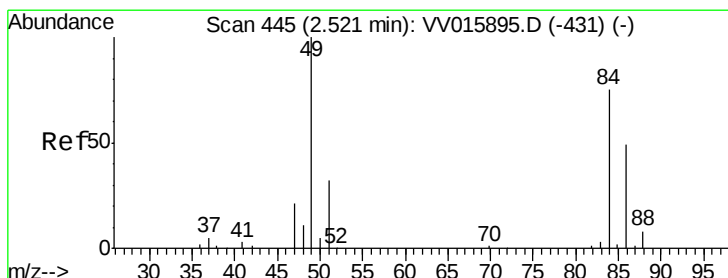
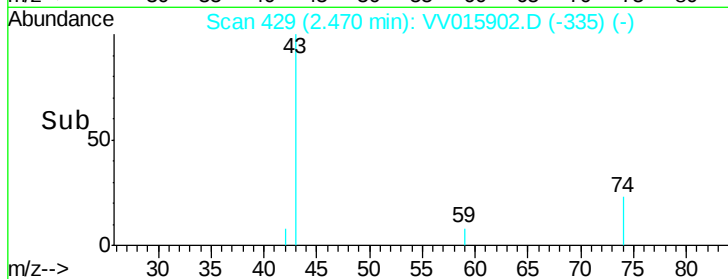
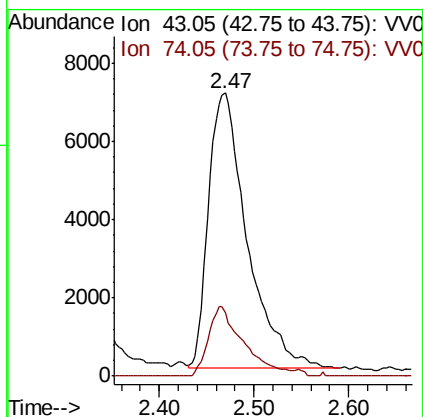
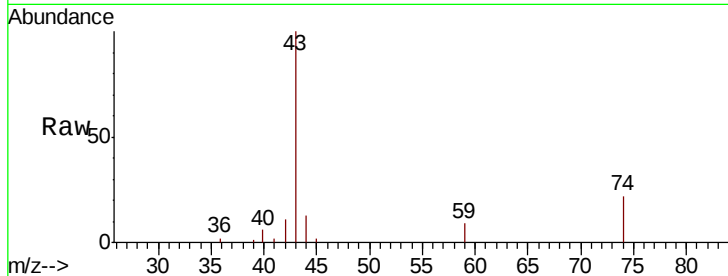




#15
Methvl Acetate
Concen: 5.546 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

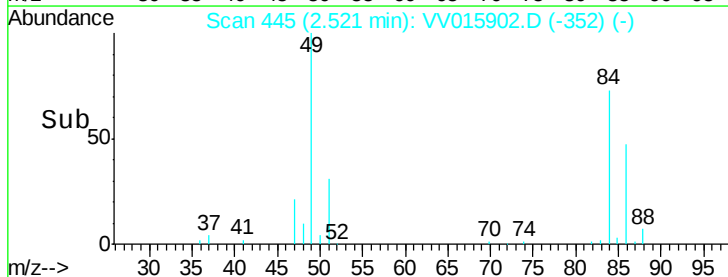
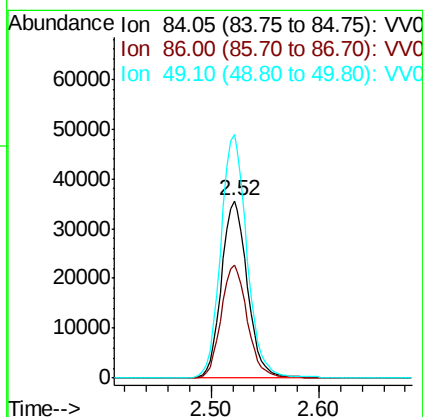
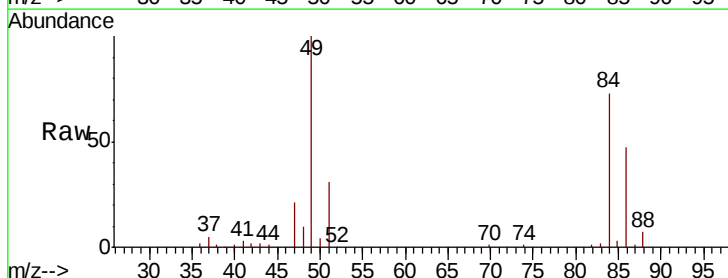
Instrument :
MSVOA_V
ClientSampleId :

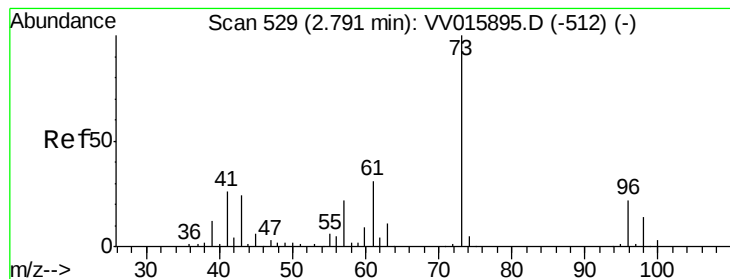
Tot Ion: 43 Resp: 20047
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8



#16
Methylene chloride
Concen: 4.785 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

Tgt Ion: 84 Resp: 59792
Ion Ratio Lower Upper
84 100
86 64.0 45.6 84.8
49 137.5 93.6 173.8



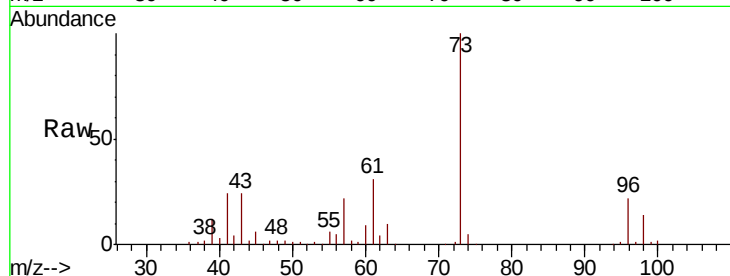


#17

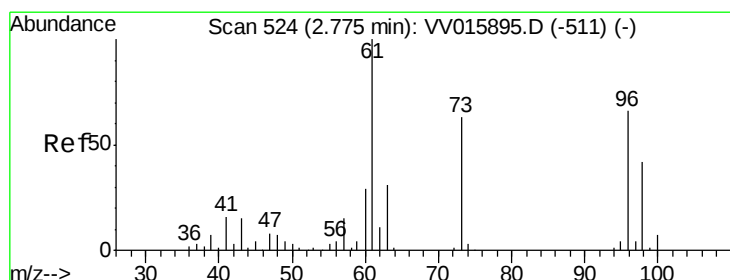
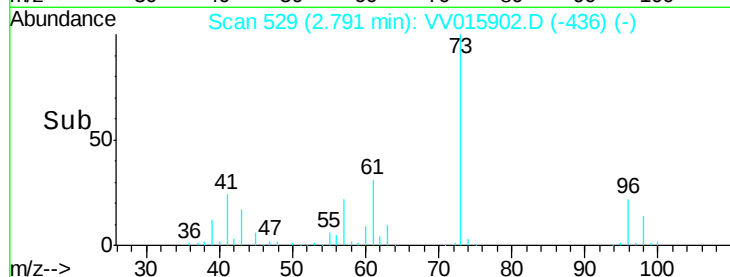
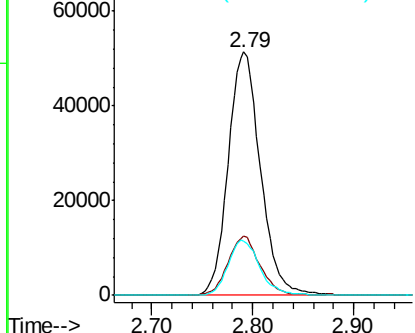
Methvl tert-butvl Ether
 Concen: 4.865 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 114349
 Ion Ratio Lower Upper
 73 100
 43 23.4 18.8 28.2
 57 22.5 17.8 26.6



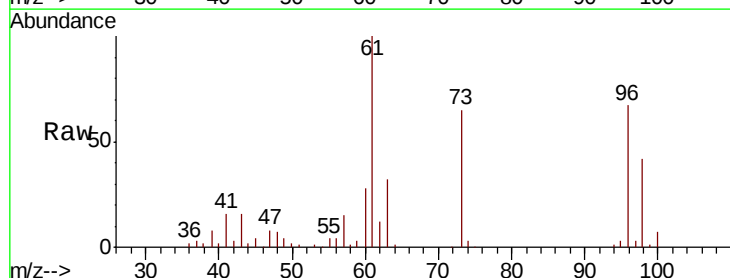
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



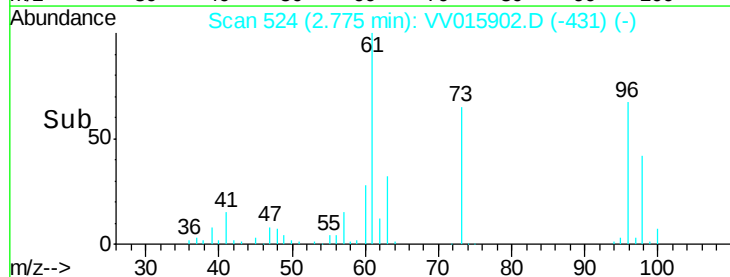
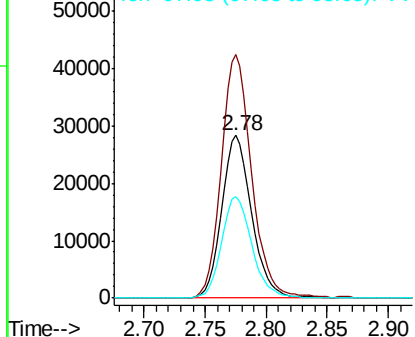
#18

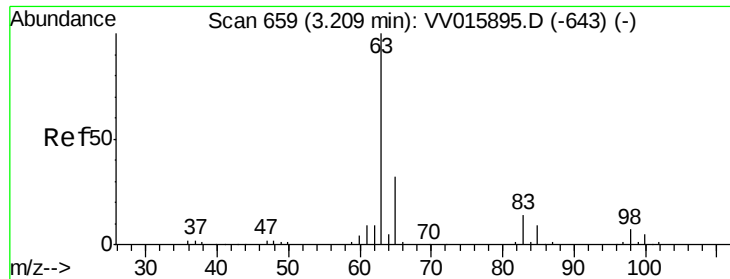
trans-1,2-Dichloroethene
 Concen: 4.932 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion: 96 Resp: 49168
 Ion Ratio Lower Upper
 96 100
 61 149.9 105.3 195.5
 98 62.9 44.0 81.6



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

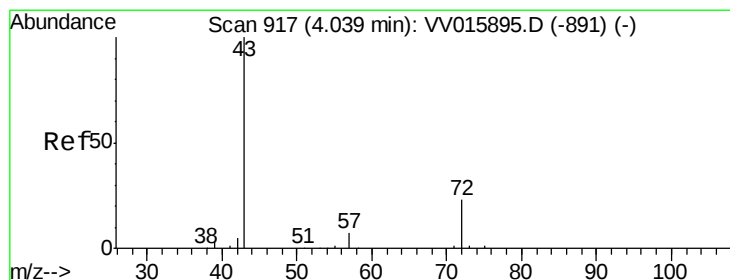
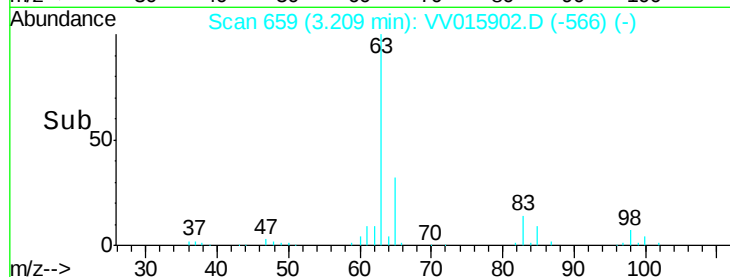
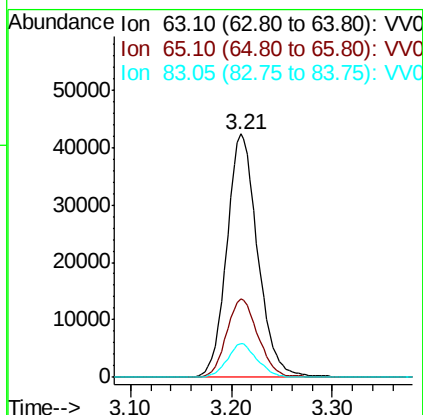
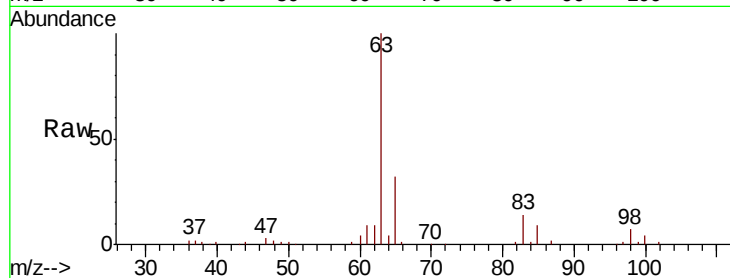




#19
 1,1-Dichloroethane
 Concen: 4.740 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

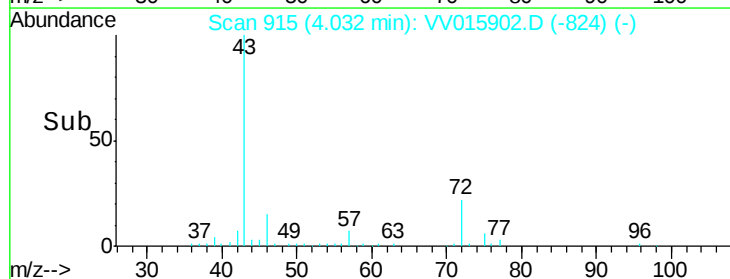
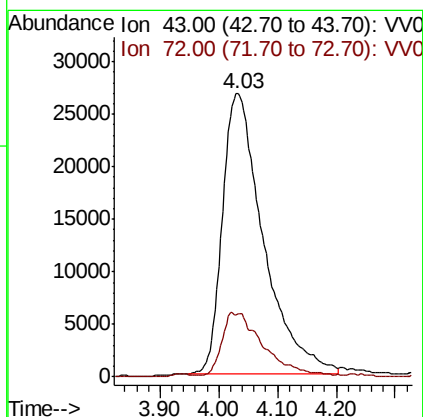
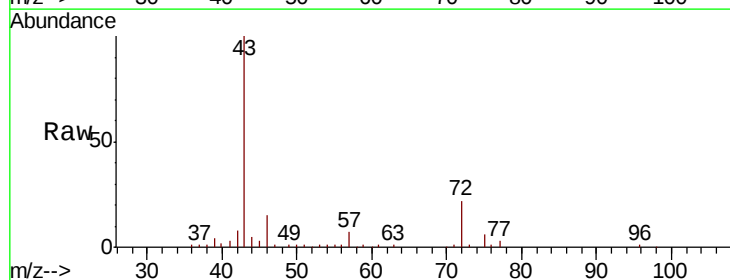
Instrument :
 MSVOA_V
 ClientSampled :

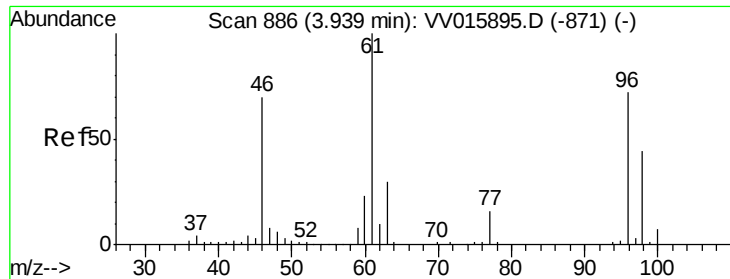
Tot Ion: 63 Resp: 90204
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 41.0
 83 14.1 9.8 18.2



#21
 2-Butanone
 Concen: 49.781 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion: 43 Resp: 129218
 Ion Ratio Lower Upper
 43 100
 72 7.6 10.5 31.5#

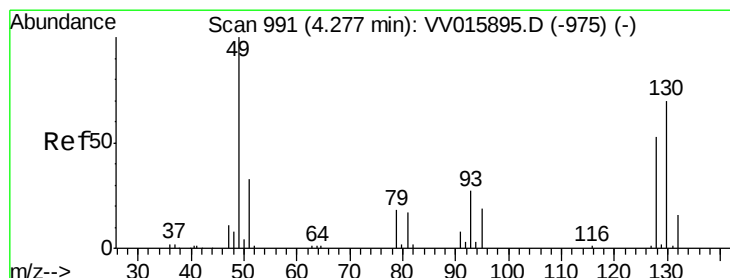
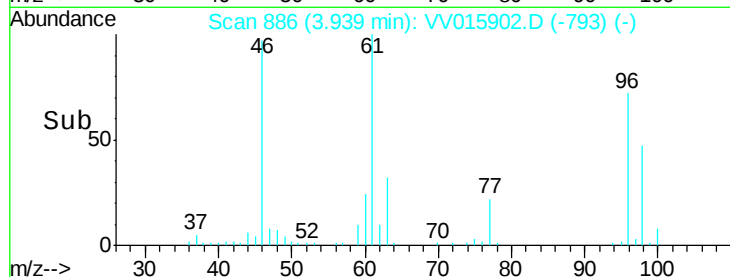
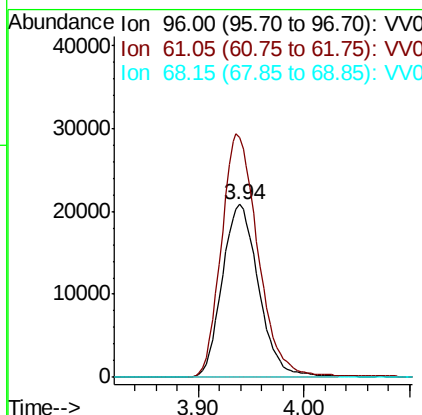
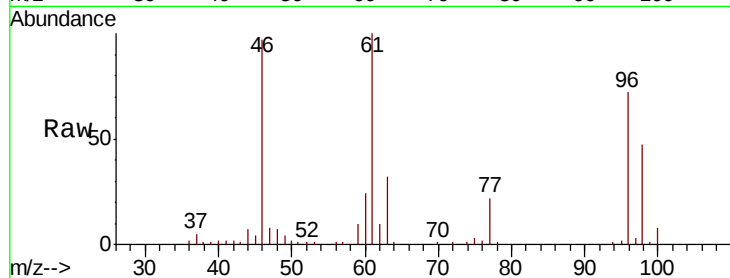




#22
 cis-1,2-Dichloroethene
 Concen: 4.812 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

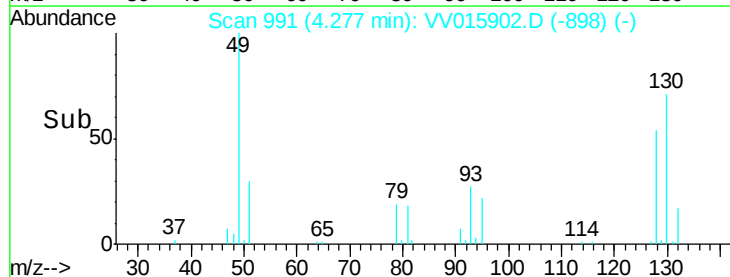
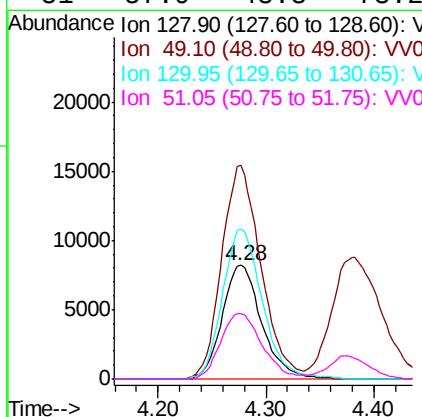
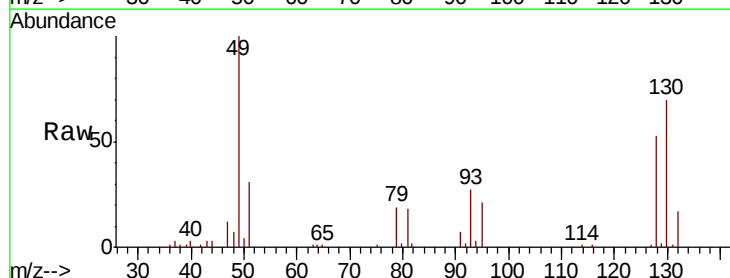
Instrument :
 MSVOA_V
 ClientSampleId :

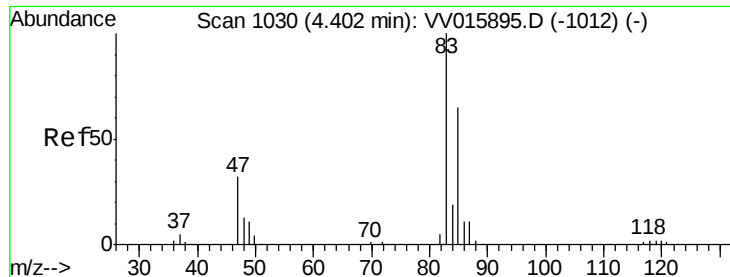
Tot Ion: 96 Resp: 49996
 Ion Ratio Lower Upper
 96 100
 61 138.3 97.2 180.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.837 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion: 128 Resp: 20964
 Ion Ratio Lower Upper
 128 100
 49 188.0 131.3 243.8
 130 132.1 91.8 170.4
 51 57.9 48.8 73.2

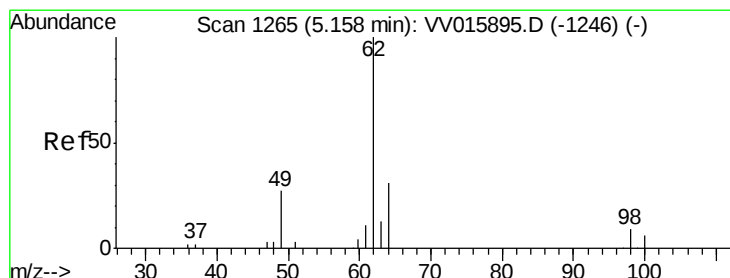
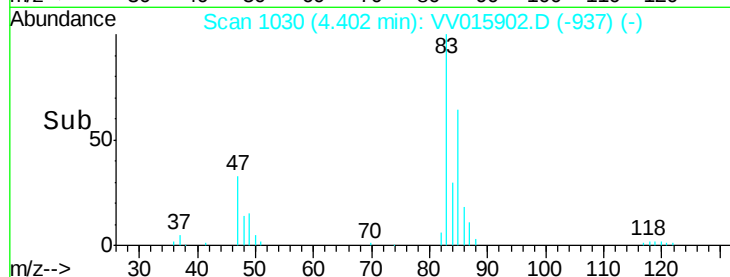
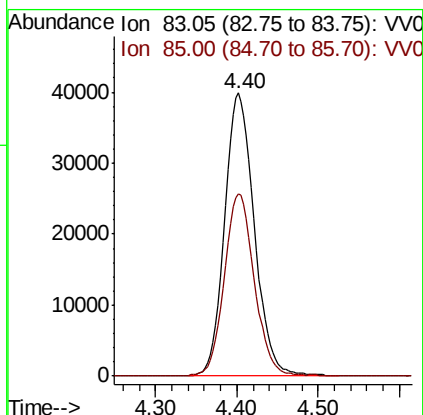
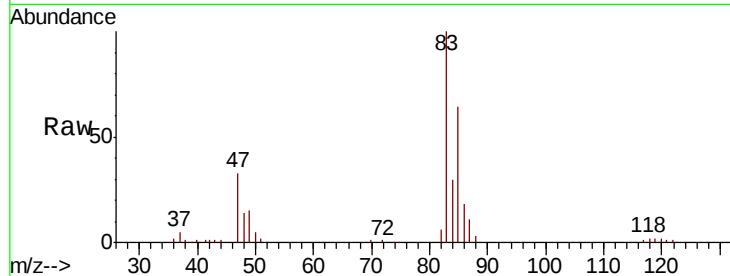




#25
Chloroform
Concen: 4.932 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

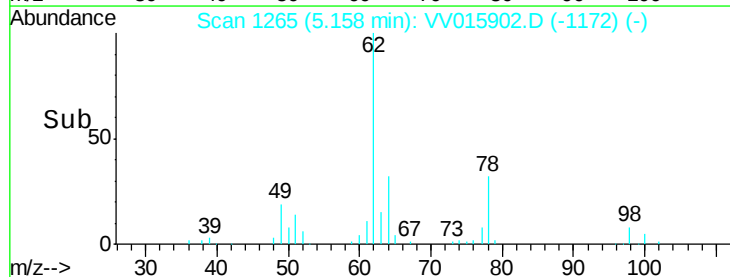
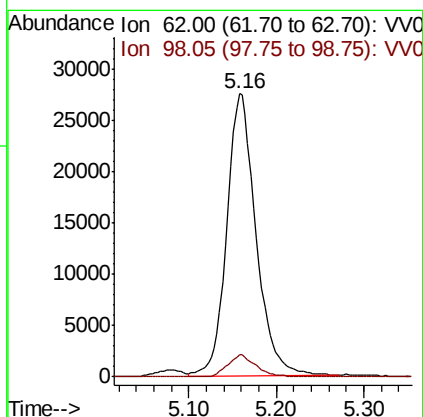
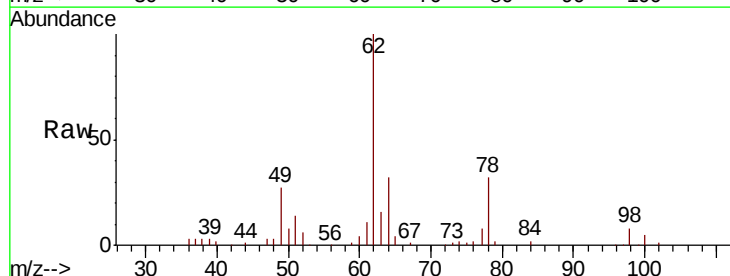
Instrument :
MSVOA_V
ClientSampleId :

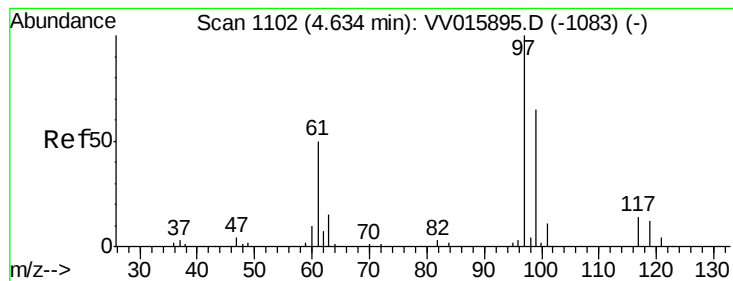
Tot Ion: 83 Resp: 102155
Ion Ratio Lower Upper
83 100
85 64.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.011 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

Tgt Ion: 62 Resp: 64306
Ion Ratio Lower Upper
62 100
98 8.0 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 4.837 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

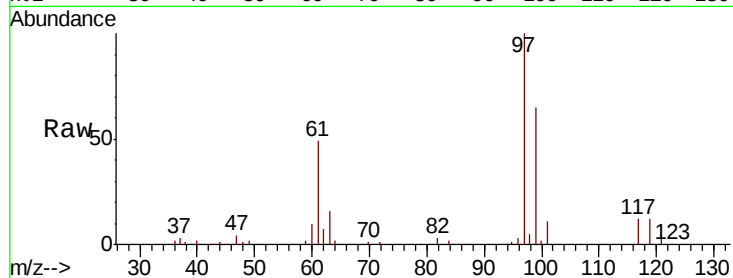
Tot Ion: 97 Resp: 84204

Ion Ratio Lower Upper

97 100

99 65.1 50.7 76.1

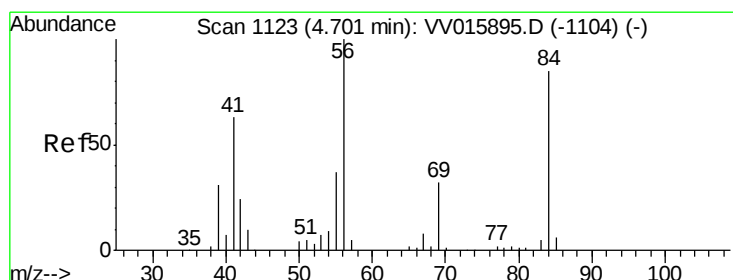
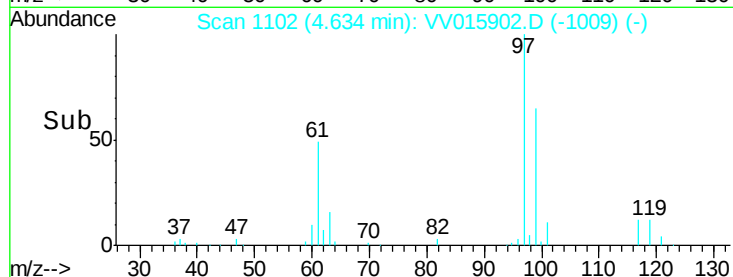
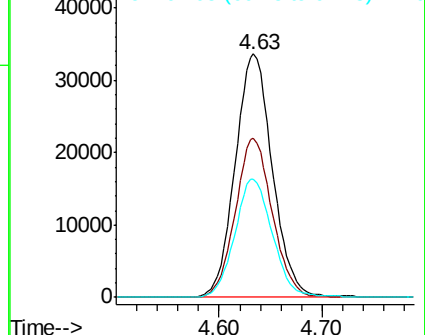
61 49.0 38.8 58.2



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: 4.831 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

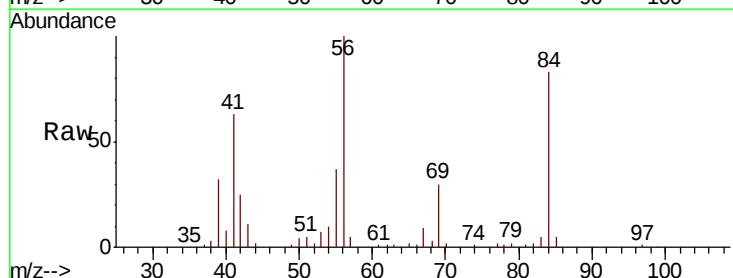
Tgt Ion: 56 Resp: 86075

Ion Ratio Lower Upper

56 100

69 29.8 24.2 36.2

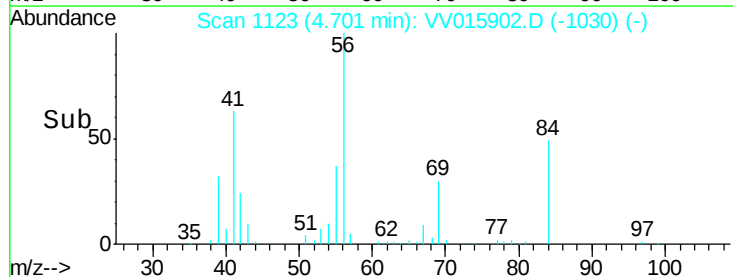
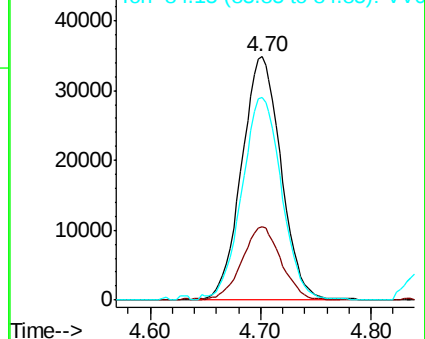
84 84.2 68.3 102.5

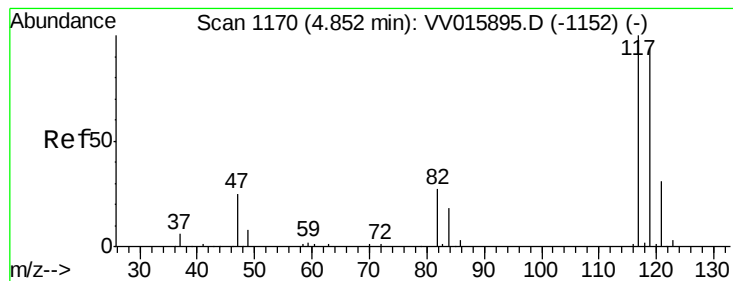


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.791 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

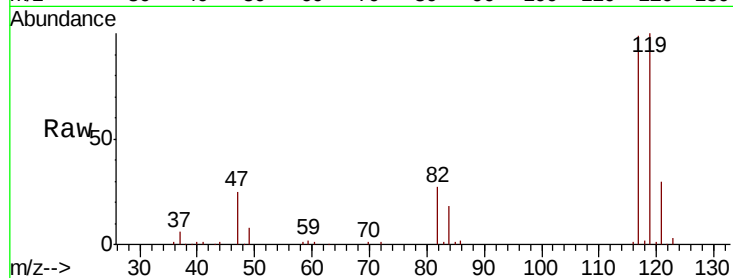
ClientSampleId :

Tot Ion:117 Resp: 71642

Ion Ratio Lower Upper

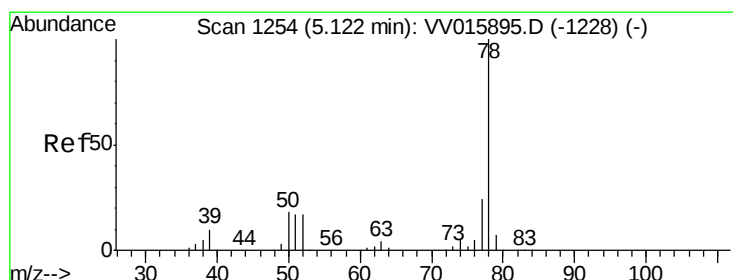
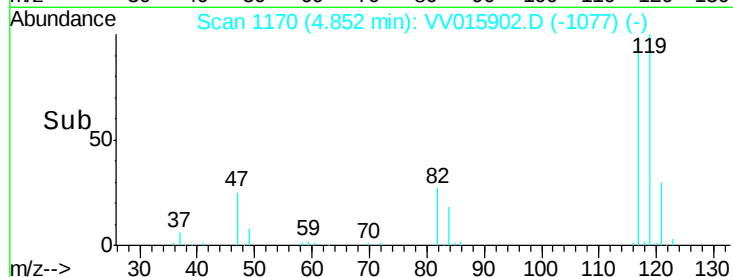
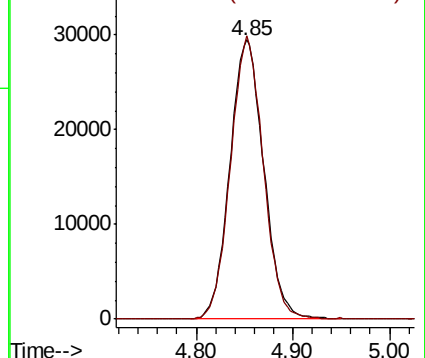
117 100

119 97.9 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.910 ug/L

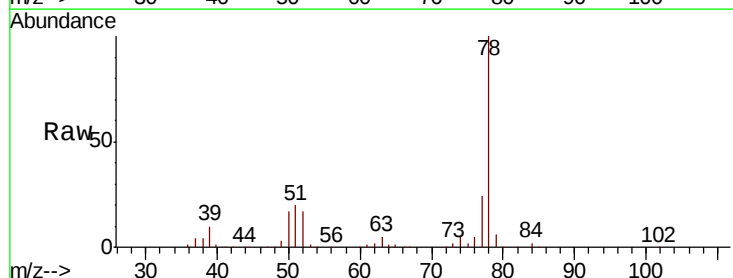
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

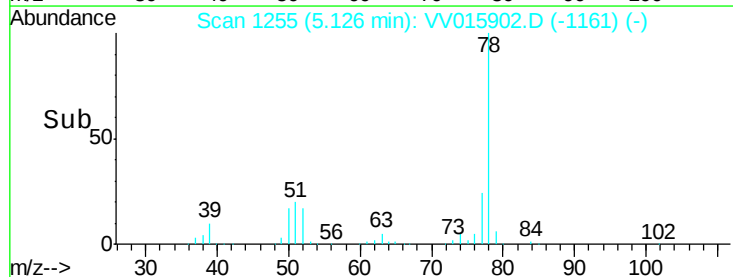
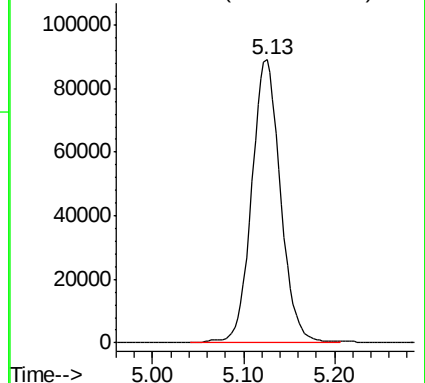
Lab File: VV015902.D

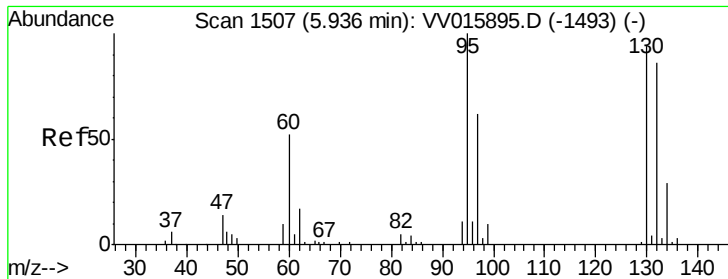
Acq: 05 May 2020 15:23

Tgt Ion: 78 Resp: 196360



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.861 ug/L

RT: 5.94 min Scan# 1507

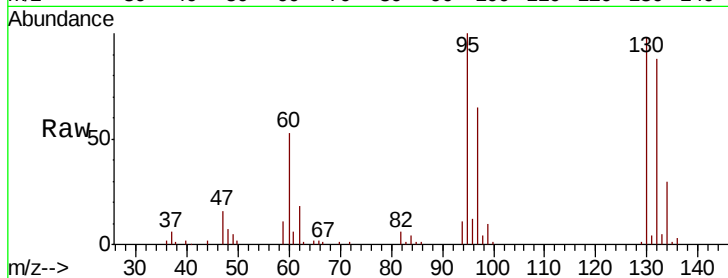
Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	95	Resp:	52897
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.3	80.5
132	88.1	60.3	112.1
130	97.8	66.0	122.6

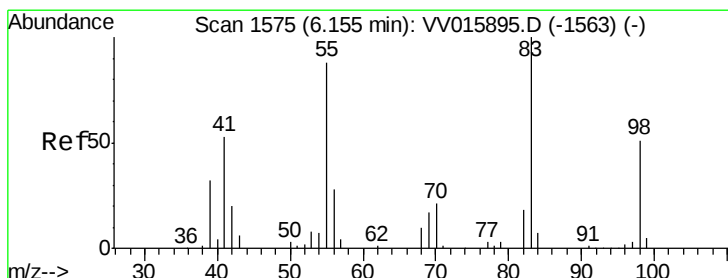
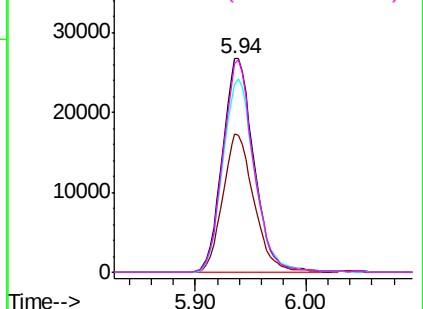
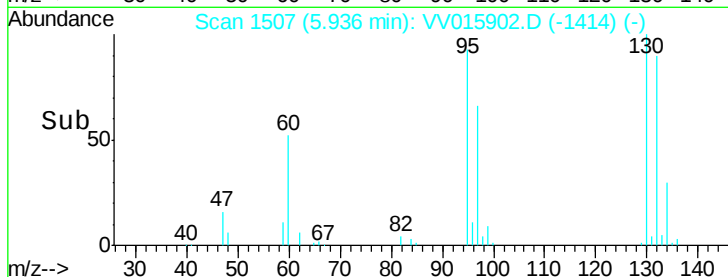


Abundance Ion 95.00 (94.70 to 95.70): VV015902.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015902.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015902.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015902.D (-1414) (-)



#35

Methylcyclohexane

Concen: 4.847 ug/L

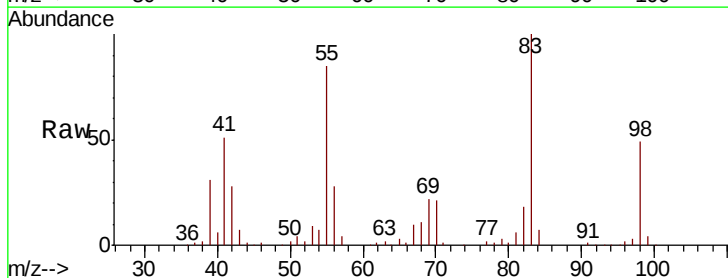
RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

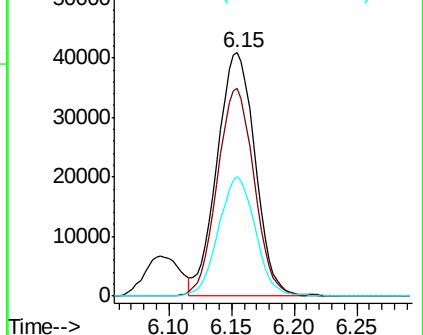
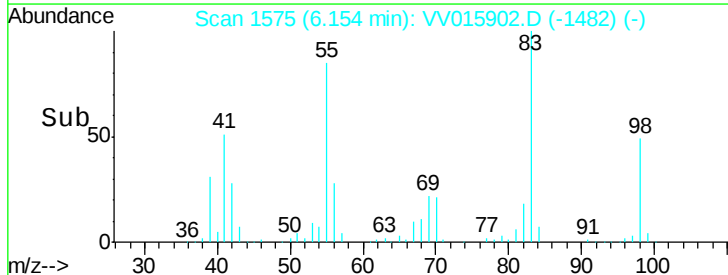
Tgt Ion:	83	Resp:	86288
Ion	Ratio	Lower	Upper
83	100		
55	82.5	66.2	99.2
98	47.5	37.9	56.9

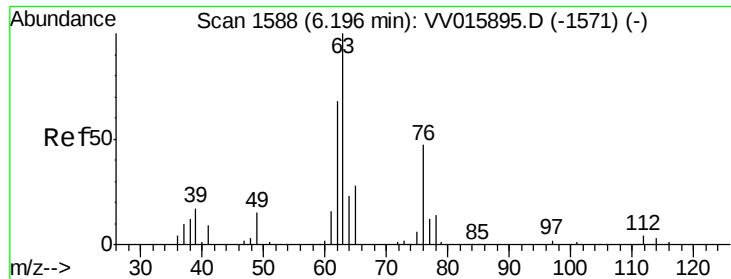


Abundance Ion 83.15 (82.85 to 83.85): VV015902.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV015902.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV015902.D (-1482) (-)

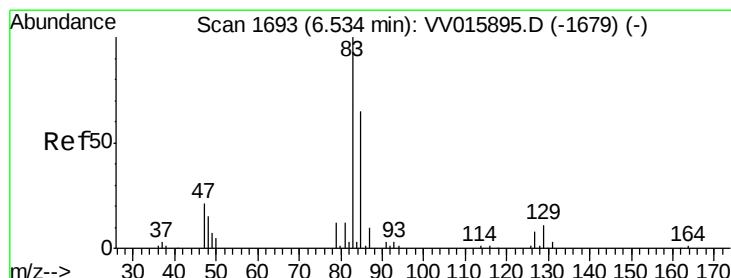
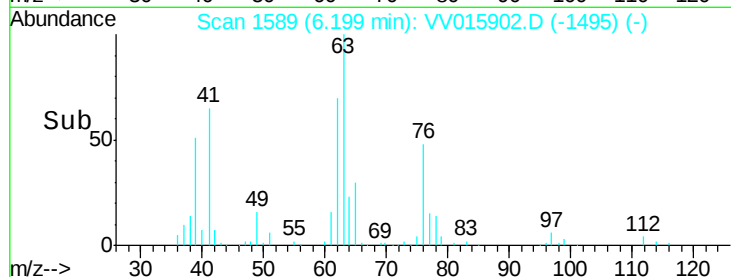
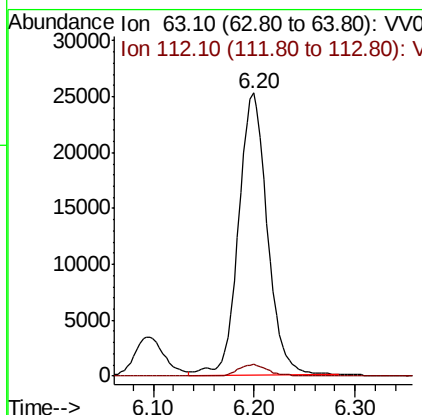
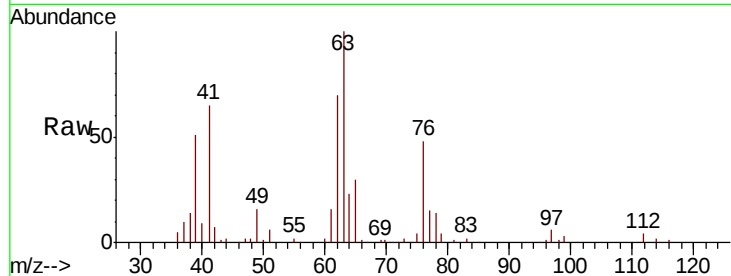




#37
 1,2-Dichloropropane
 Concen: 4.989 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

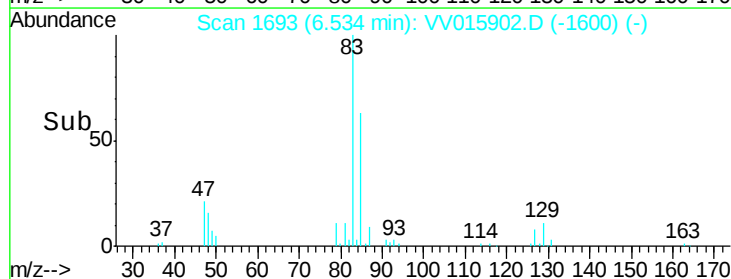
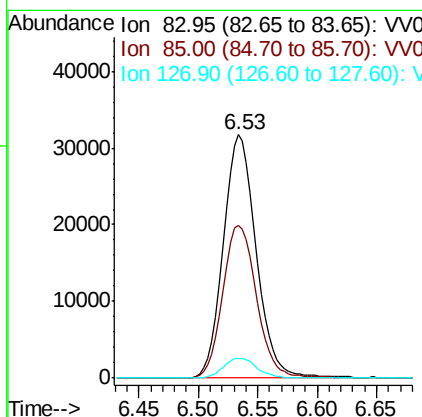
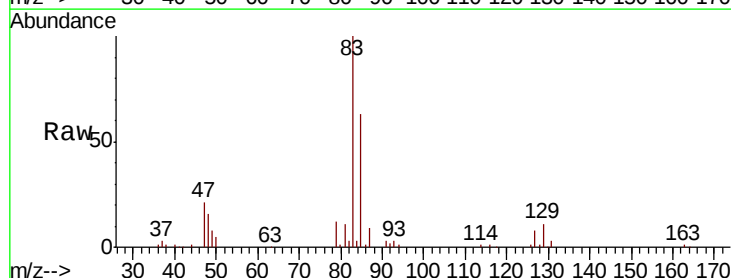
Instrument :
 MSVOA_V
 ClientSampled :

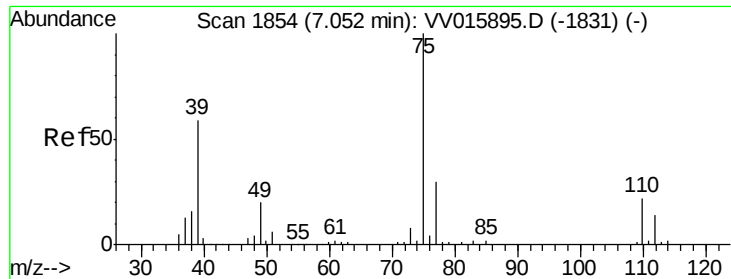
Tot Ion: 63 Resp: 49889
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.845 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion: 83 Resp: 60693
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.5 84.5
 127 8.2 6.2 9.4



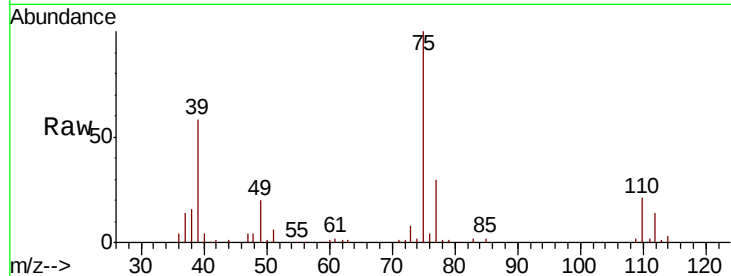


#39

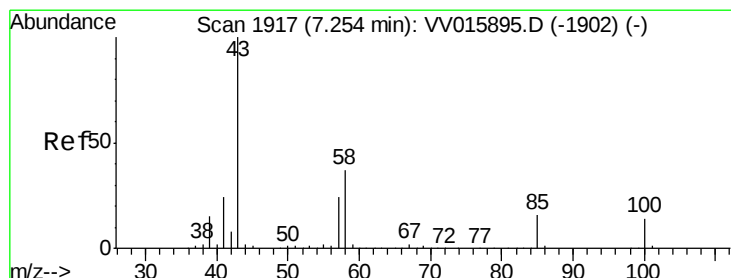
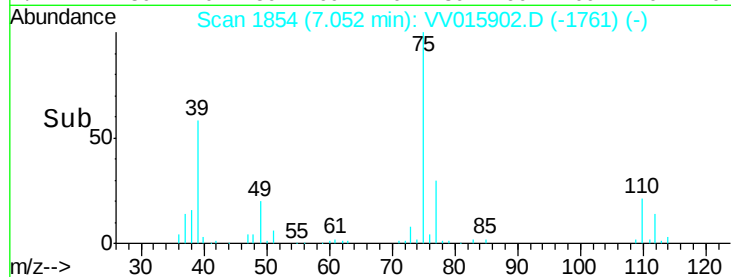
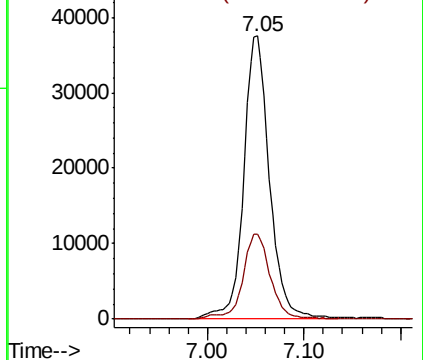
cis-1,3-Dichloropropene
 Concen: 4.938 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 69470
 Ion Ratio Lower Upper
 75 100
 77 30.1 21.3 39.5



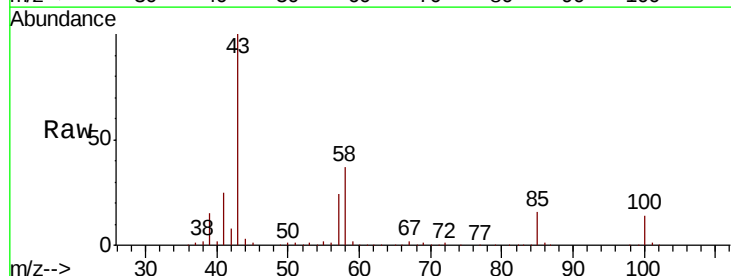
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0



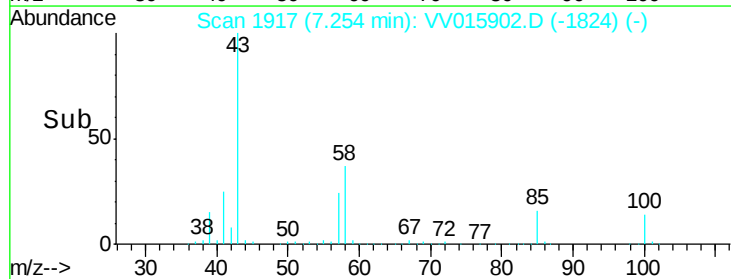
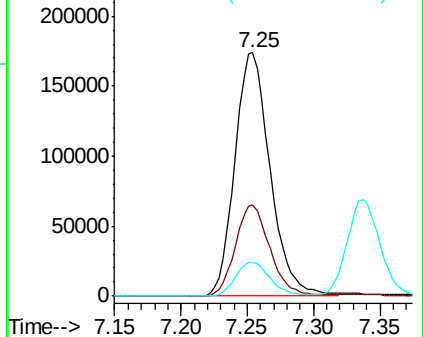
#40

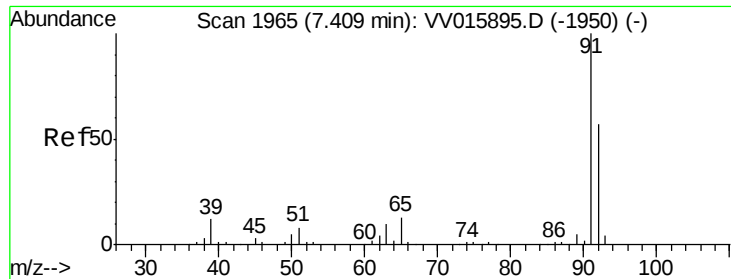
4-Methyl-2-pentanone
 Concen: 50.410 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion: 43 Resp: 321766
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.4
 100 13.8 10.9 16.3



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.913 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

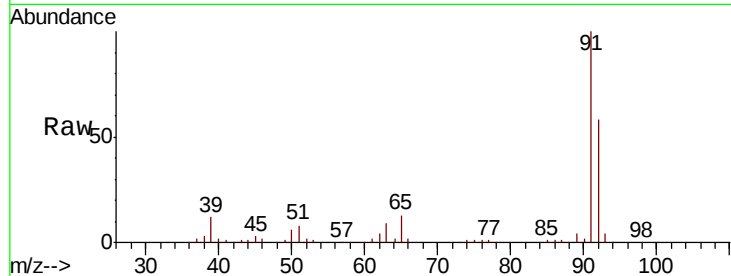
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 209074

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015895.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV015895.D (-1950) (-)

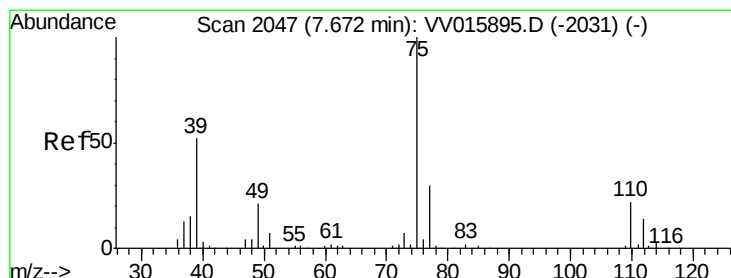
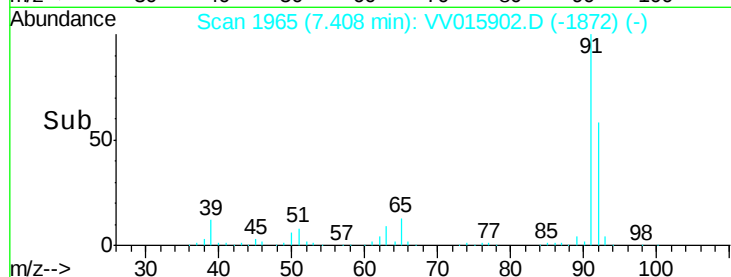
7.41

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.920 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015902.D

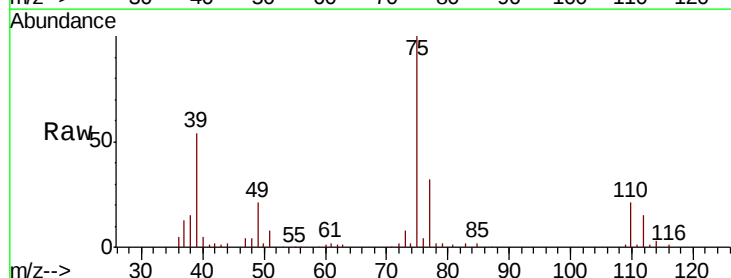
Acq: 05 May 2020 15:23

Tgt Ion: 75 Resp: 58579

Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015895.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV015895.D (-2031) (-)

7.67

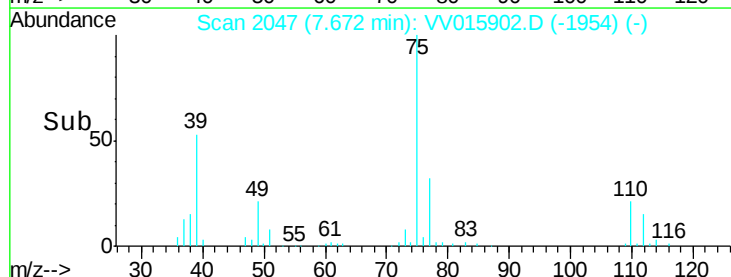
30000

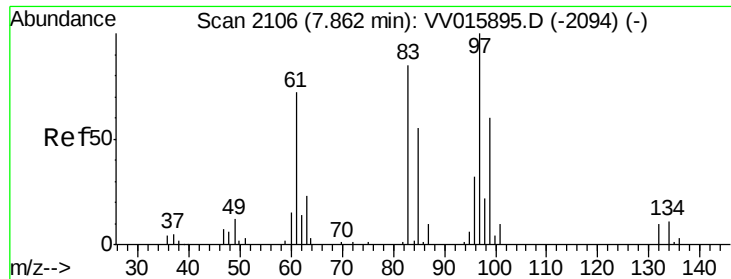
20000

10000

0

Time-->

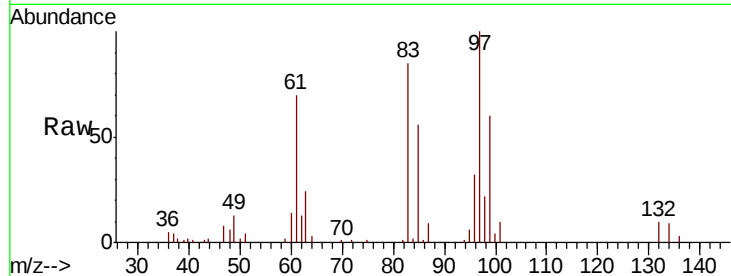




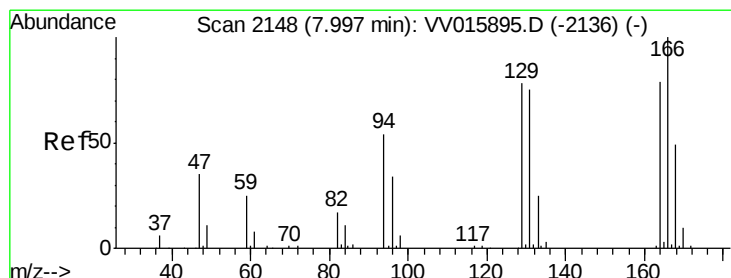
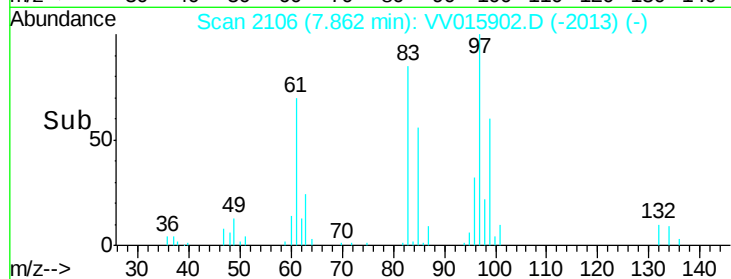
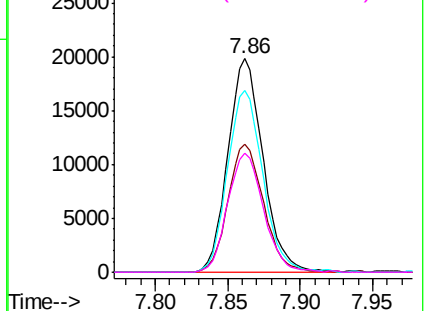
#45
 1,1,2-Trichloroethane
 Concen: 4.942 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	33309
Ion	Ratio	Lower	Upper
97	100		
99	59.8	42.1	78.1
83	85.4	59.2	110.0
85	55.6	38.6	71.8

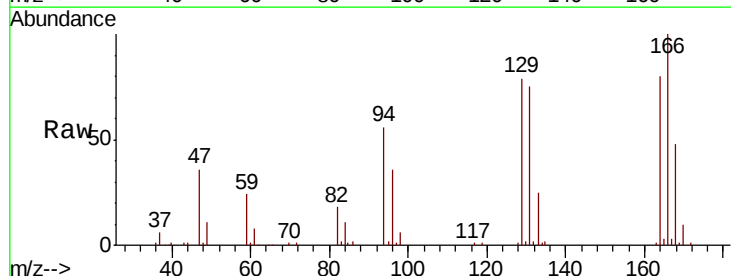


Abundance Ion 96.95 (96.65 to 97.65): VV015902.D (-2013) (-)

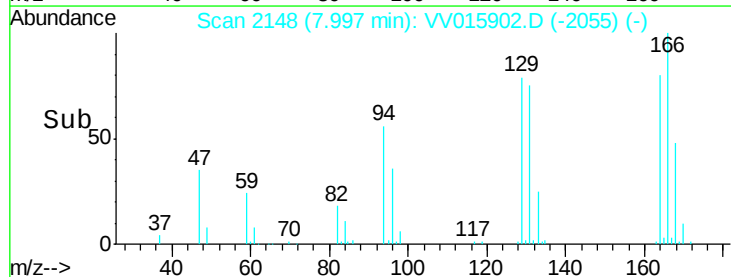
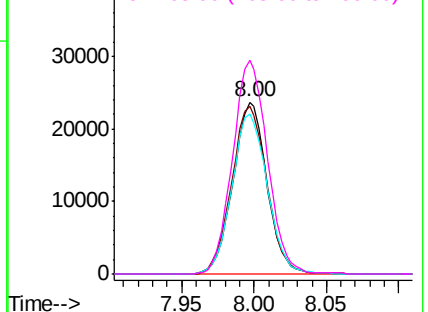


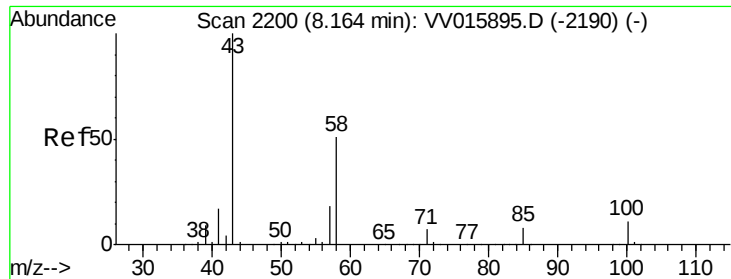
#47
 Tetrachloroethene
 Concen: 4.739 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion:	164	Resp:	38455
Ion	Ratio	Lower	Upper
164	100		
129	97.8	69.7	129.4
131	93.5	66.8	124.2
166	124.3	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV015902.D (-2055) (-)

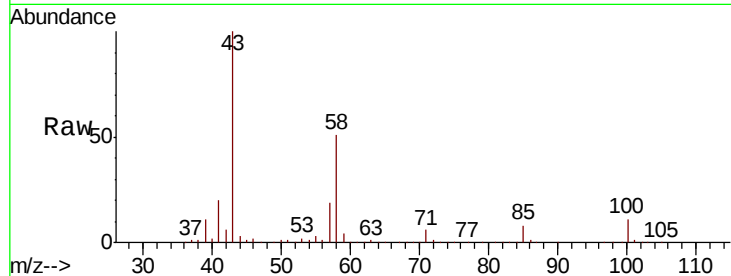




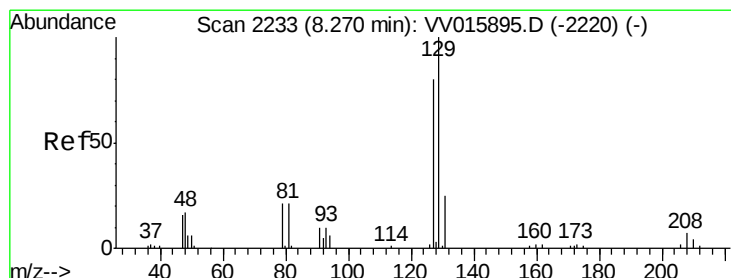
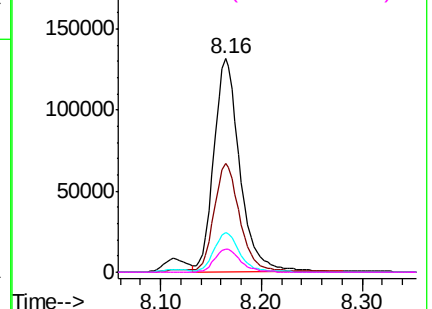
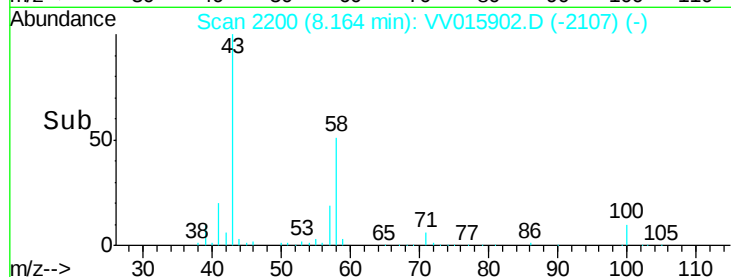
#48
2-Hexanone
Concen: 52.584 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 234266
Ion Ratio Lower Upper
43 100
58 51.3 40.8 61.2
57 18.4 14.7 22.1
100 11.1 9.0 13.6

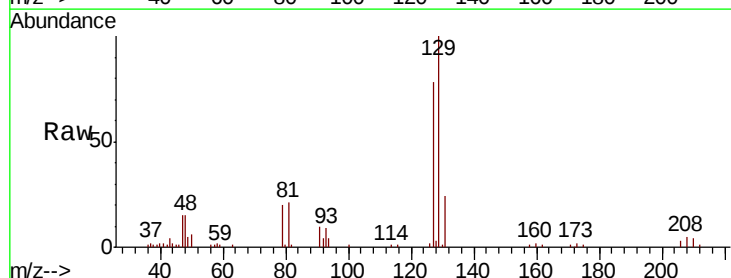


Abundance Ion 43.05 (42.75 to 43.75): VV015902.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015902.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015902.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015902.D (-2107) (-)

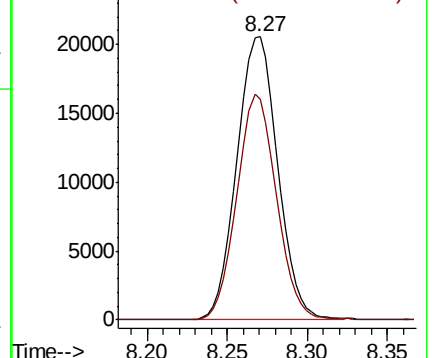
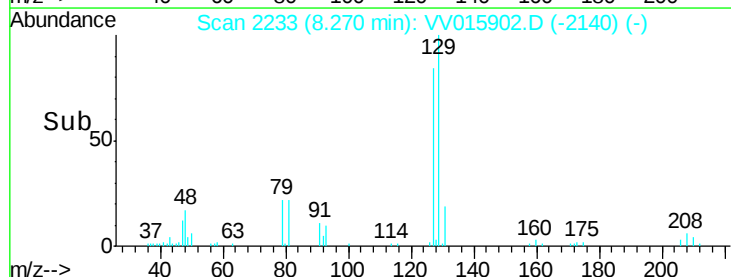


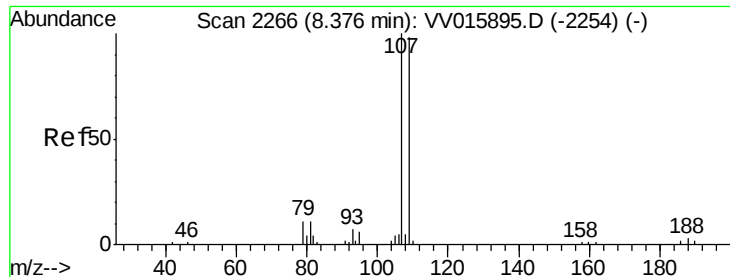
#49
Dibromochloromethane
Concen: 4.928 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

Tgt Ion: 129 Resp: 35841
Ion Ratio Lower Upper
129 100
127 77.9 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015902.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV015902.D (-2140) (-)

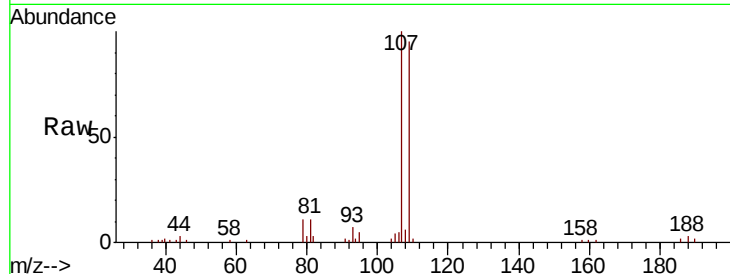




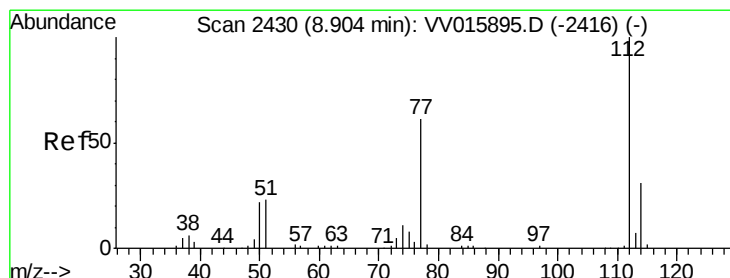
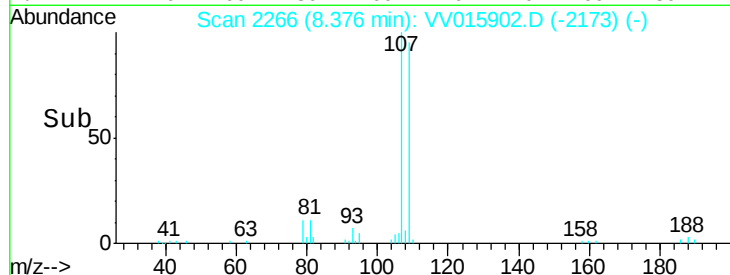
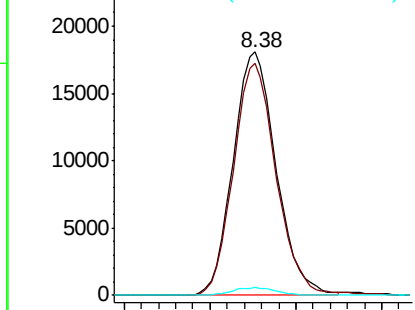
#50
1,2-Dibromoethane
Concen: 4.922 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 31302
Ion Ratio Lower Upper
107 100
109 95.5 68.9 127.9
188 3.1 2.7 4.1

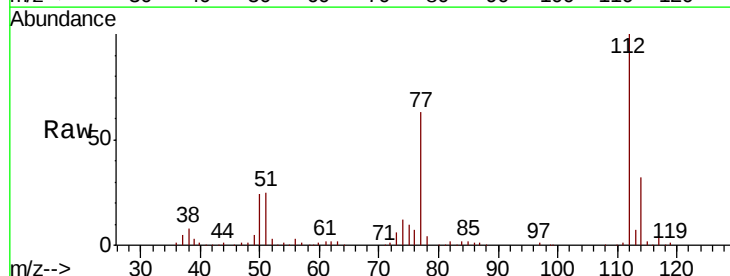


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

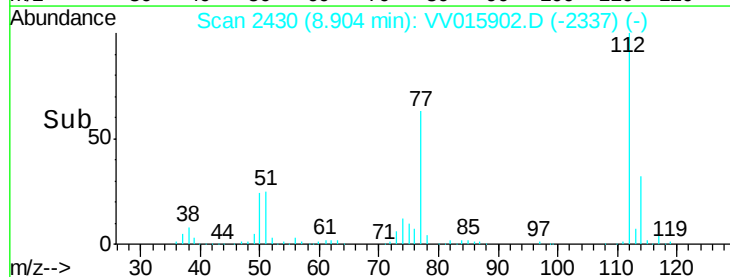
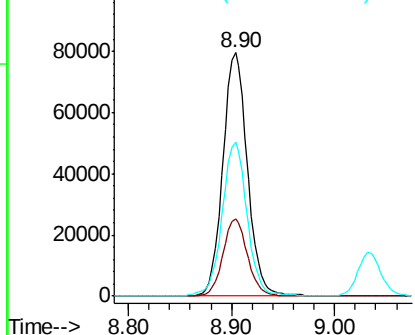


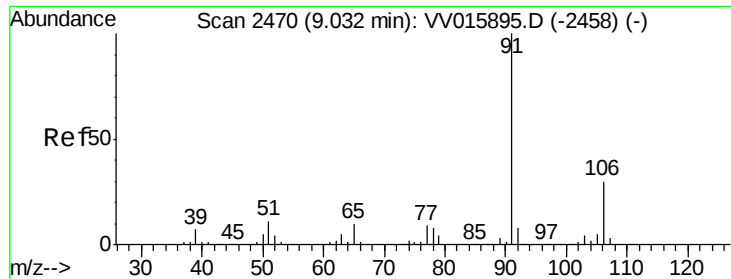
#51
Chlorobenzene
Concen: 4.857 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015902.D
Acq: 05 May 2020 15:23

Tgt Ion:112 Resp: 132299
Ion Ratio Lower Upper
112 100
114 31.6 21.6 40.0
77 63.2 48.6 73.0



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): V





#52

Ethylbenzene

Concen: 4.911 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

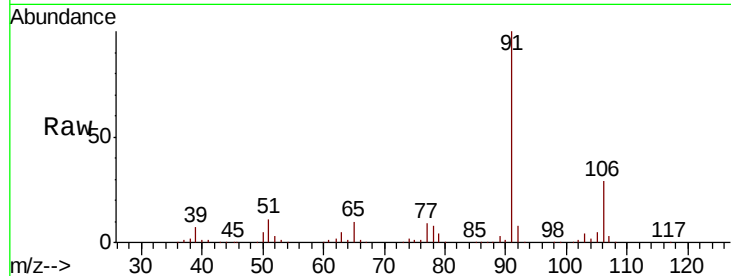
ClientSampleId :

Tot Ion: 91 Resp: 237864

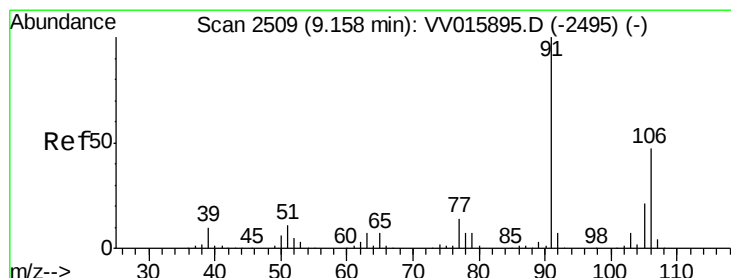
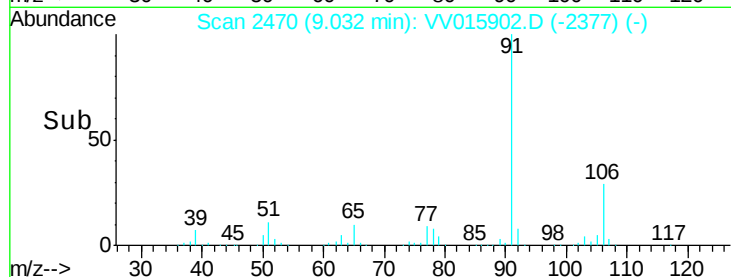
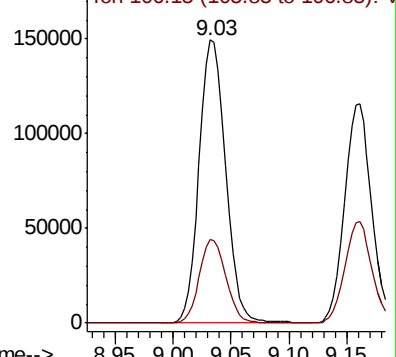
Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015902.D (-2377) (-)



#53

m,p-xylene

Concen: 4.854 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015902.D

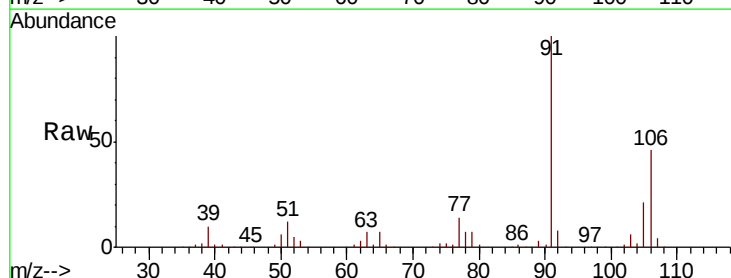
Acq: 05 May 2020 15:23

Tgt Ion: 106 Resp: 87987

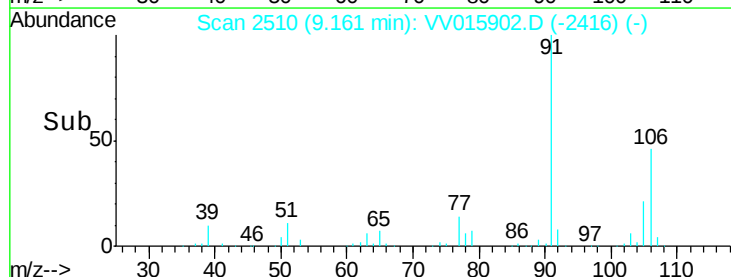
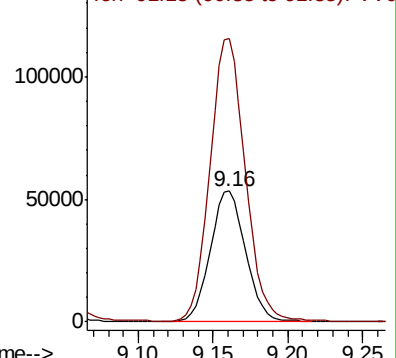
Ion Ratio Lower Upper

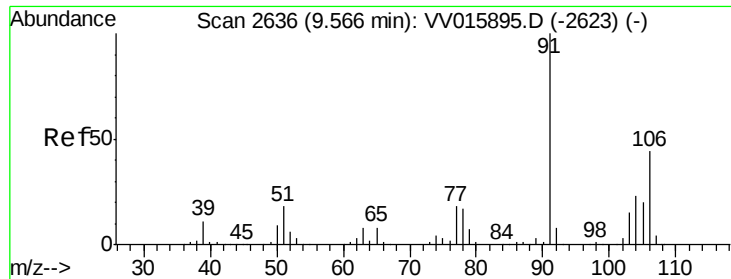
106 100

91 216.7 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015902.D (-2416) (-)





#54

o-xylene

Concen: 4.964 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

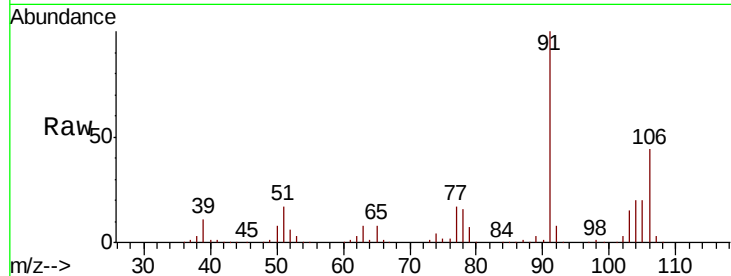
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 85571

Ion Ratio Lower Upper

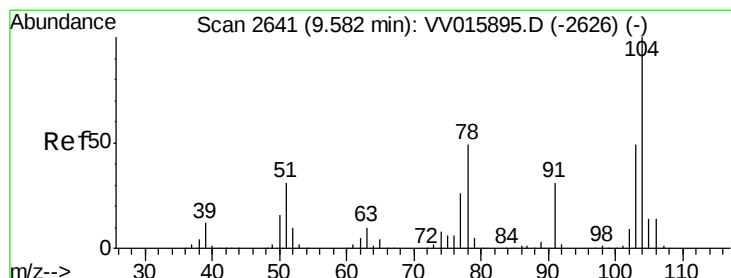
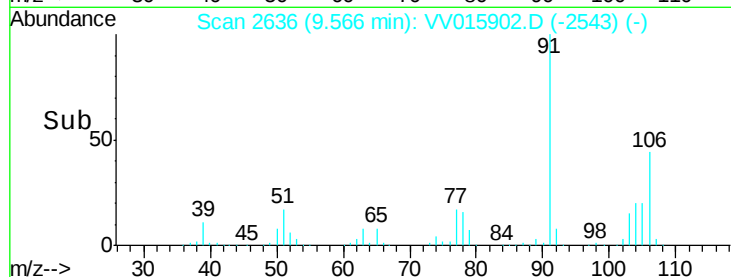
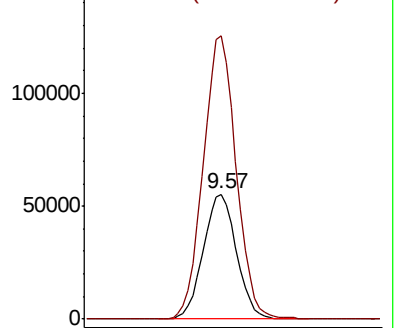
106 100

91 227.1 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.016 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015902.D

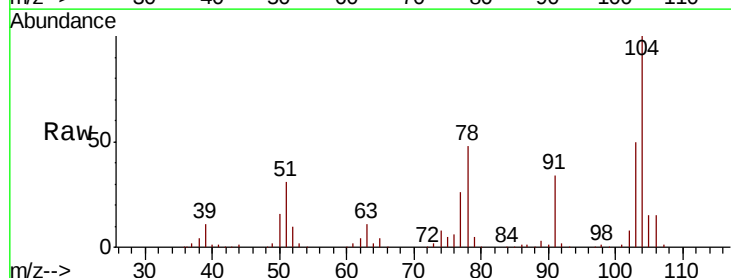
Acq: 05 May 2020 15:23

Tgt Ion:104 Resp: 144584

Ion Ratio Lower Upper

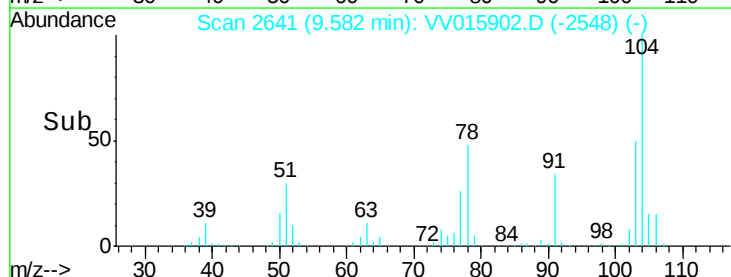
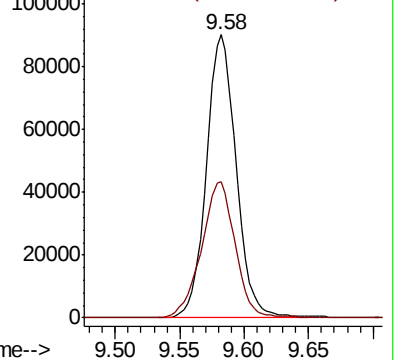
104 100

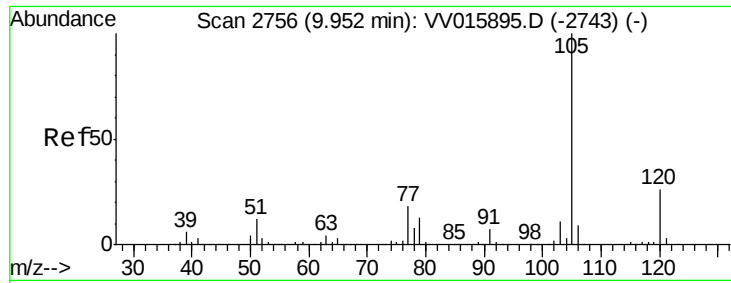
78 48.0 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.930 ug/L

RT: 9.95 min Scan# 2756

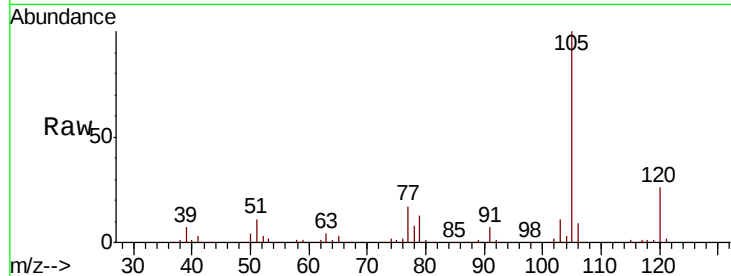
Delta R.T. -0.00 min

Lab File: VV015902.D

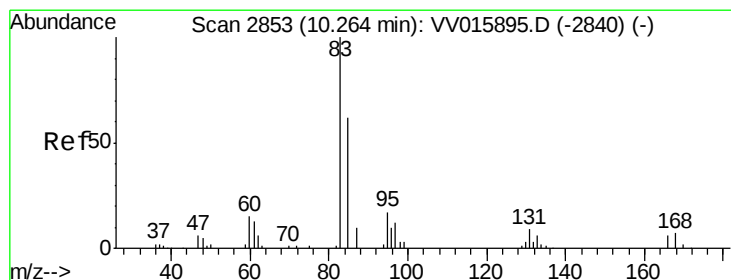
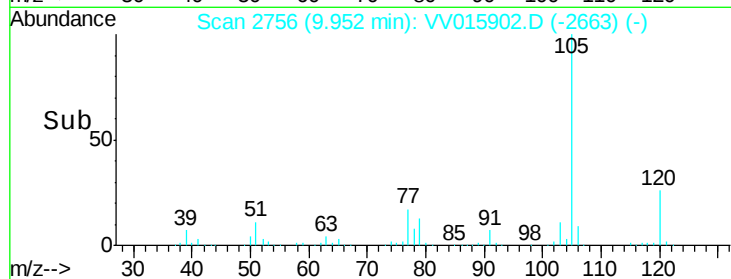
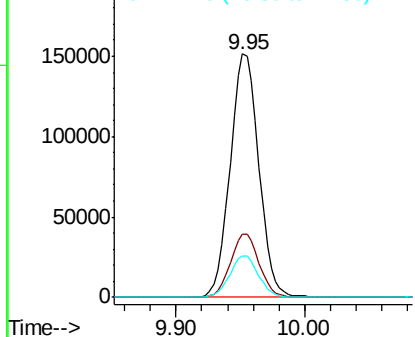
Acq: 05 May 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	233766
Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.8	31.2
77	17.1	14.1	21.1



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: 4.995 ug/L

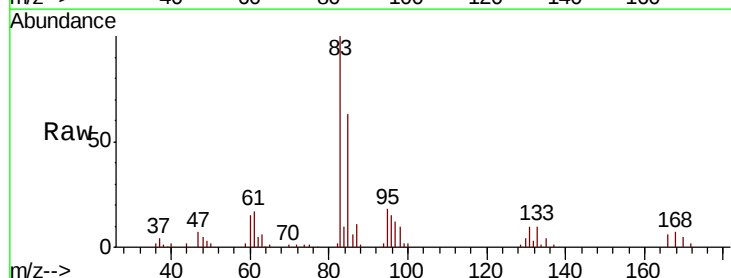
RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

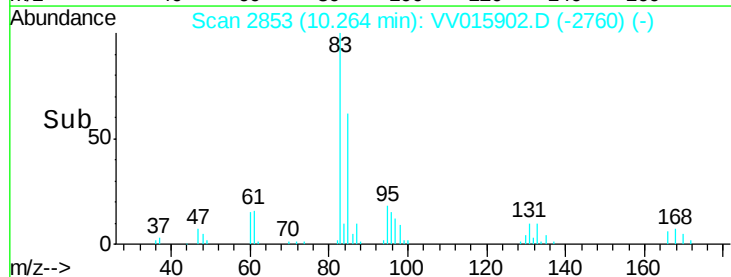
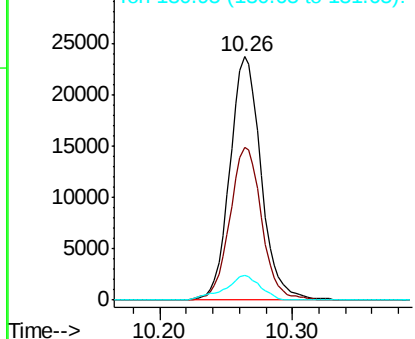
Lab File: VV015902.D

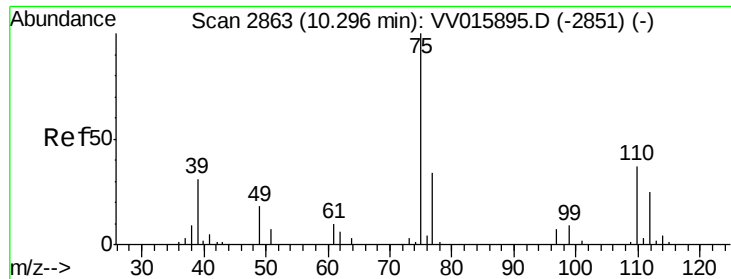
Acq: 05 May 2020 15:23

Tgt Ion:	83	Resp:	38781
Ion	Ratio	Lower	Upper
83	100		
85	62.7	44.0	81.6
131	10.2	7.7	11.5



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

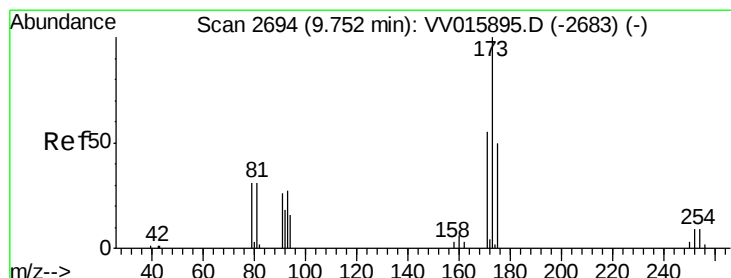
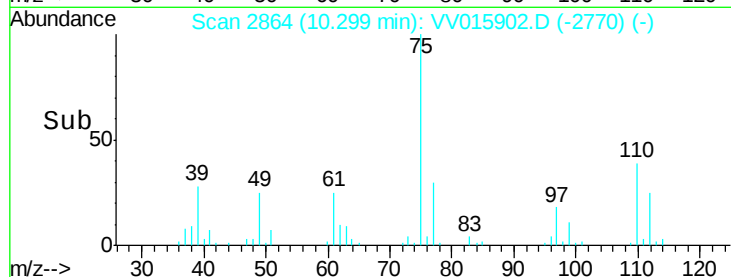
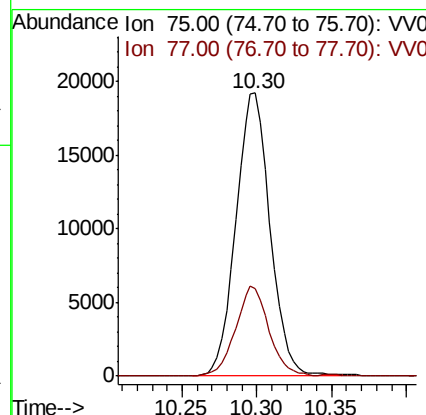
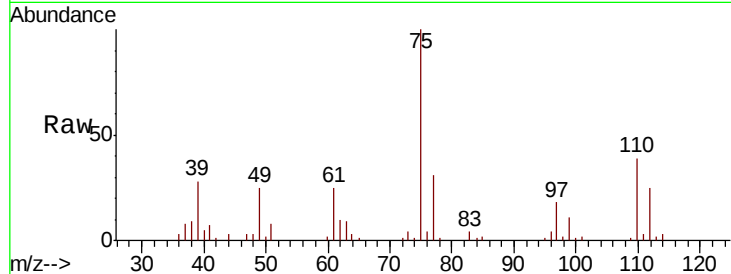




#59
 1,2,3-Trichloropropane
 Concen: 4.993 ug/L
 RT: 10.30 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

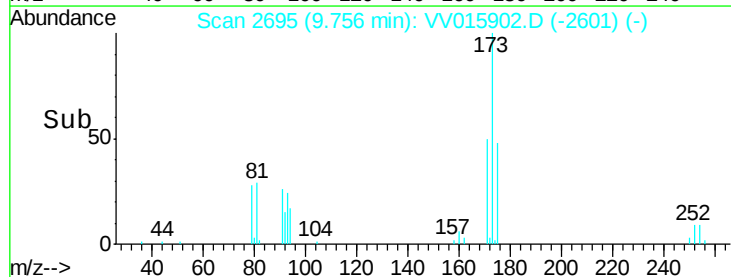
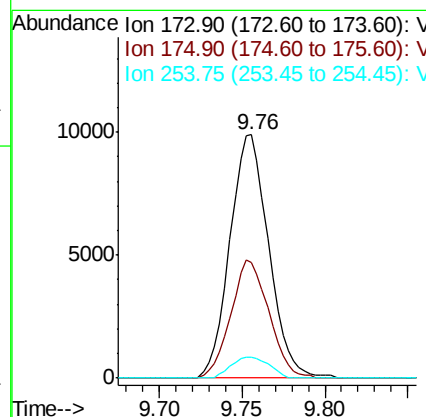
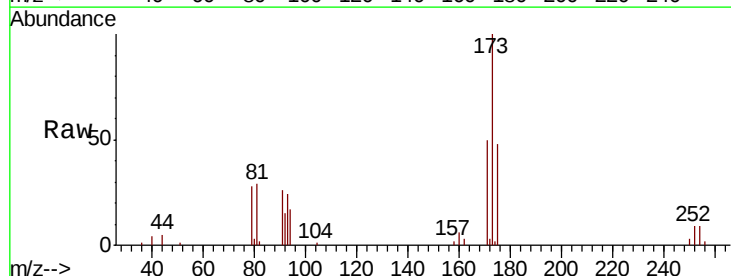
Instrument :
 MSVOA_V
 ClientSampleId :

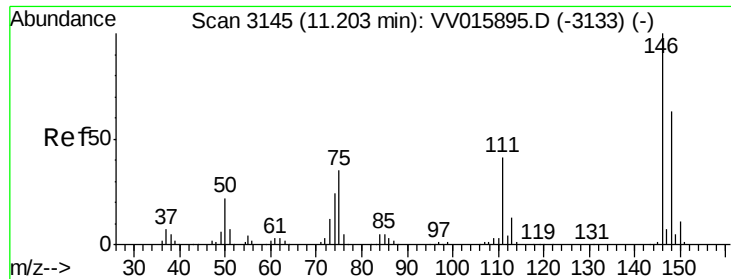
Tot Ion: 75 Resp: 30590
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.2 39.4



#61
 Bromoform
 Concen: 4.815 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV015902.D
 Acq: 05 May 2020 15:23

Tgt Ion: 173 Resp: 16136
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.8 59.8
 254 8.3 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.742 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

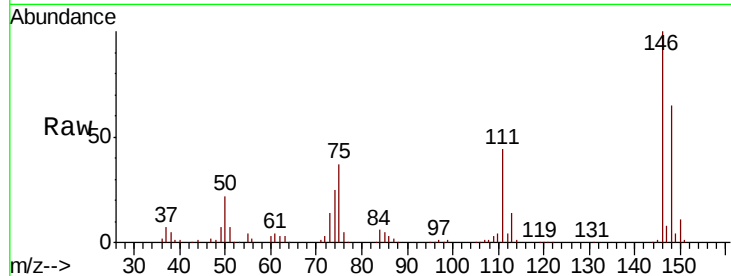
Tot Ion:146 Resp: 105171

Ion Ratio Lower Upper

146 100

111 43.6 28.7 53.3

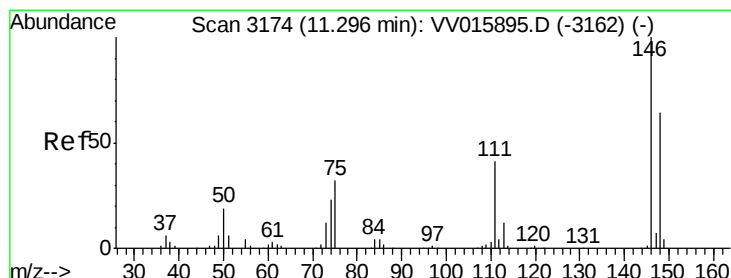
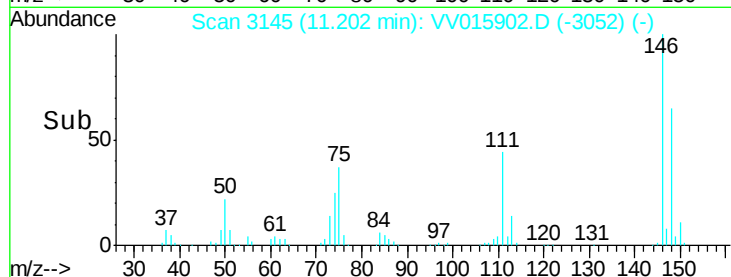
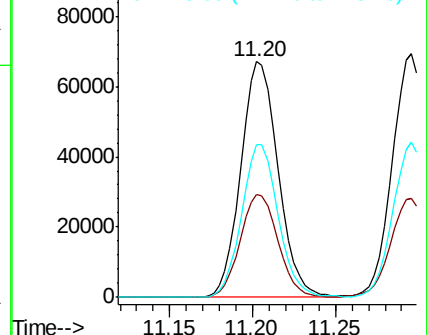
148 64.7 44.0 81.8



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: 4.820 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

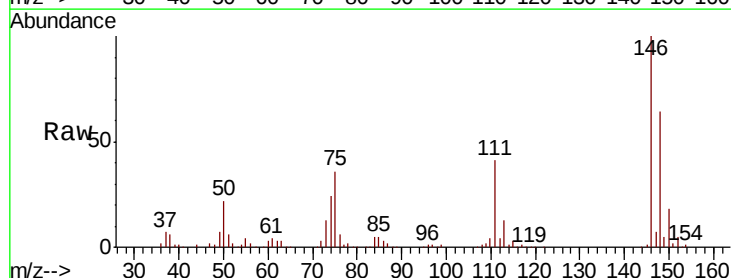
Tgt Ion:146 Resp: 105952

Ion Ratio Lower Upper

146 100

111 40.8 28.9 53.7

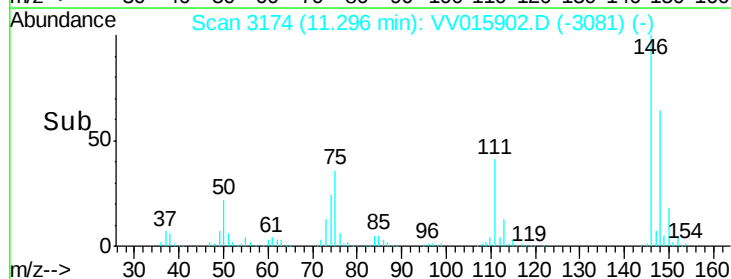
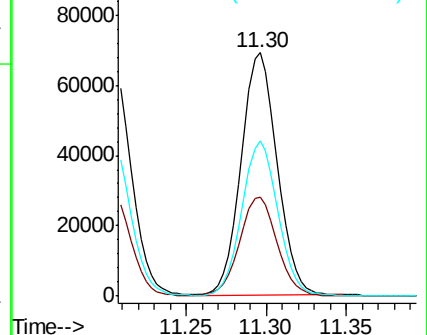
148 63.7 44.6 82.8

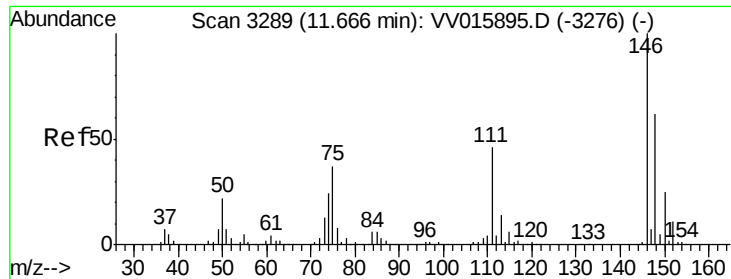


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.827 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

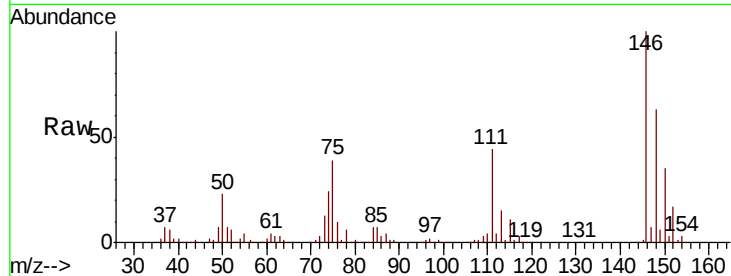
Tot Ion:146 Resp: 97039

Ion Ratio Lower Upper

146 100

111 44.1 37.0 55.4

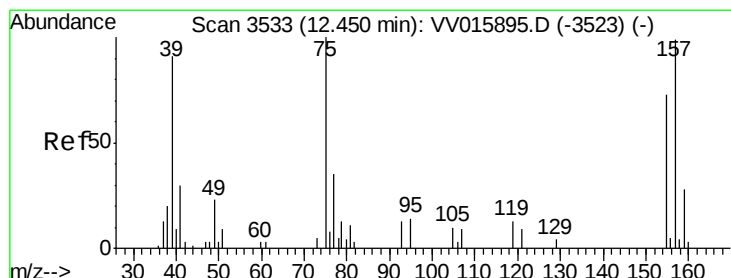
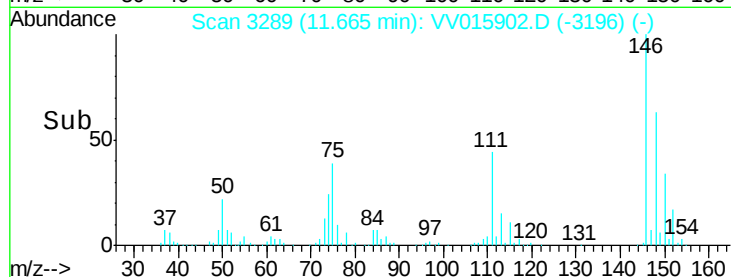
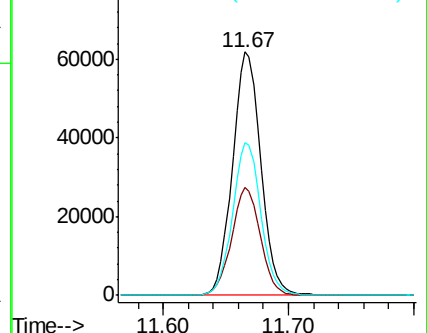
148 62.5 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.403 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

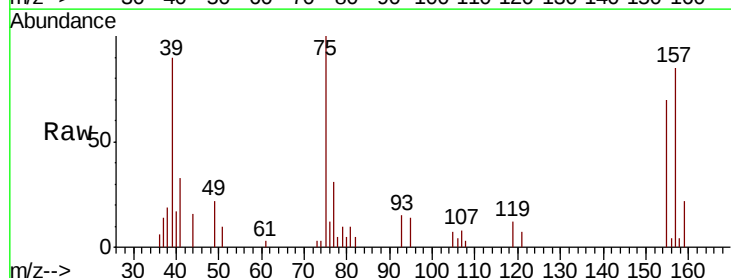
Tgt Ion: 75 Resp: 6149

Ion Ratio Lower Upper

75 100

155 70.1 58.2 87.4

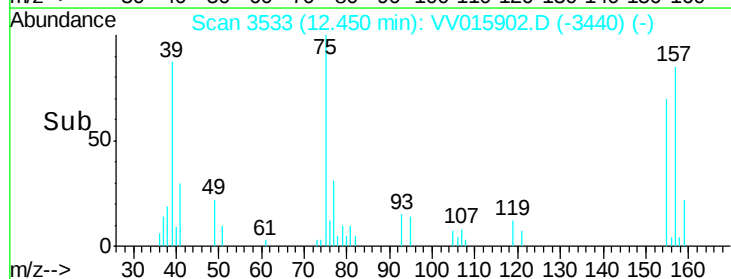
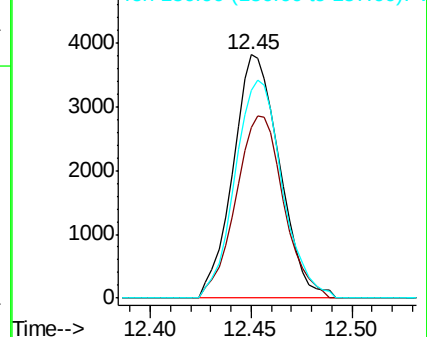
157 85.3 79.4 119.2

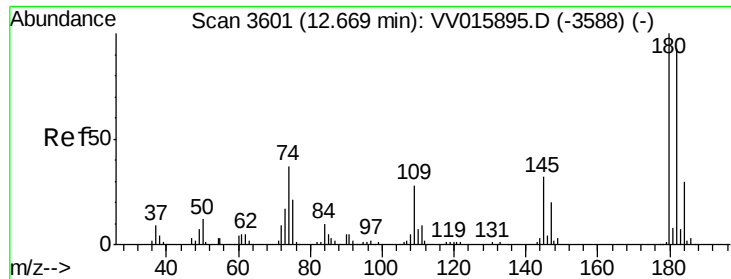


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.746 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 78315

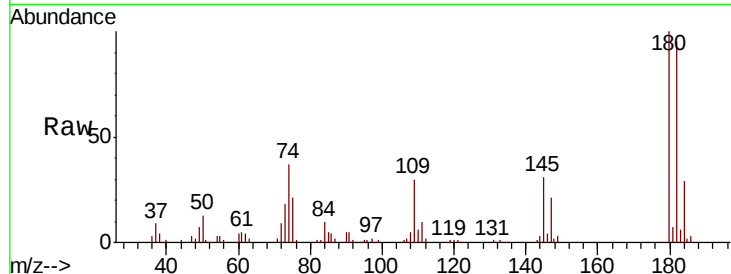
Ion Ratio Lower Upper

180 100

182 94.1 75.8 113.6

184 29.6 24.6 36.8

145 31.7 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

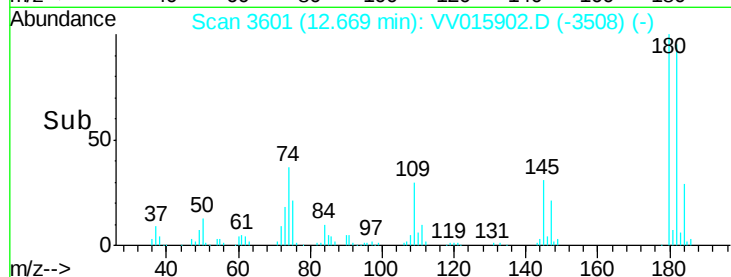
Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

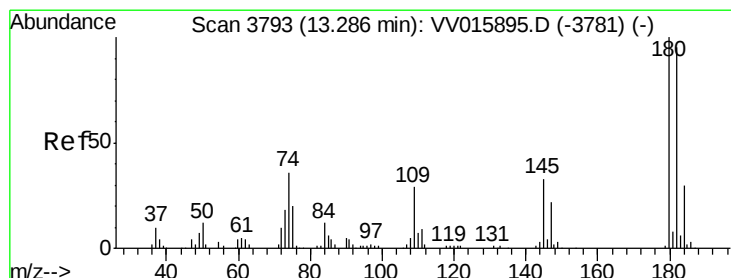
12.67

Time-->



12.67

Time-->



#68

1,2,4-trichlorobenzene

Concen: 4.898 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

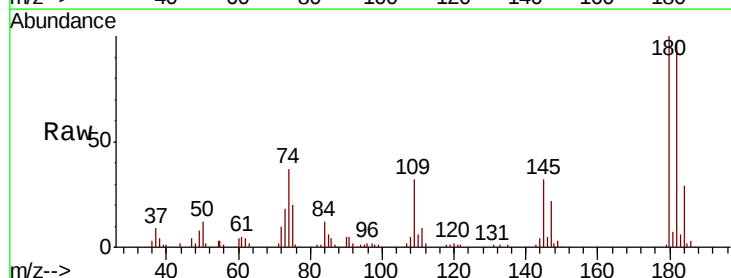
Tgt Ion:180 Resp: 67976

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 31.6 26.4 39.6



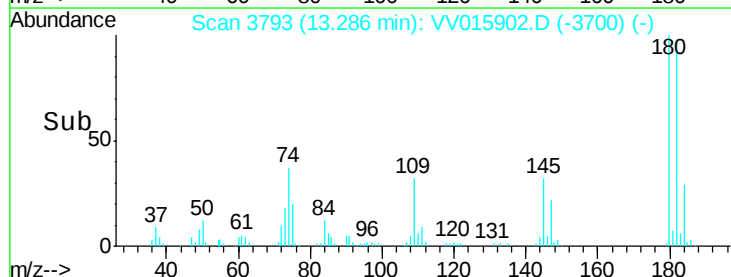
Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

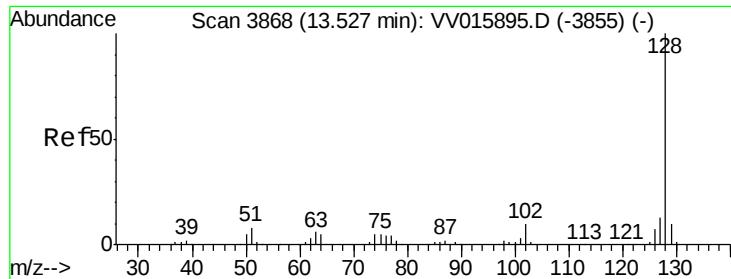
13.29

Time-->



13.29

Time-->



#69

Naphthalene

Concen: 4.914 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

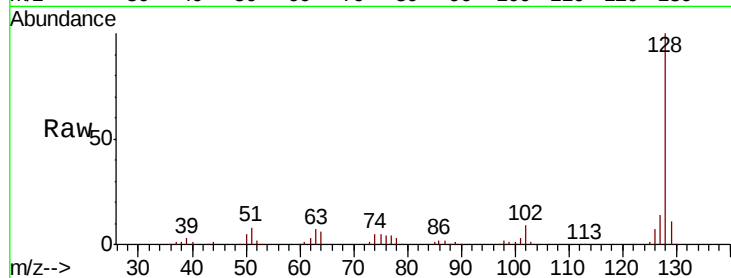
Tot Ion:128 Resp: 115306

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

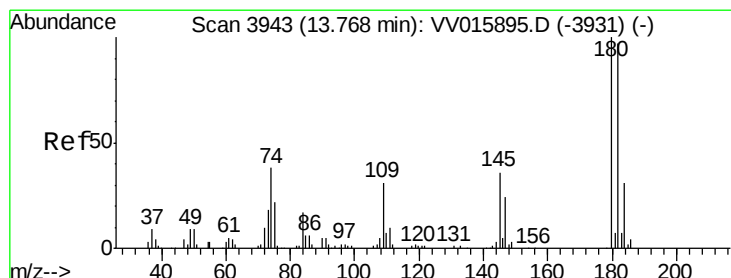
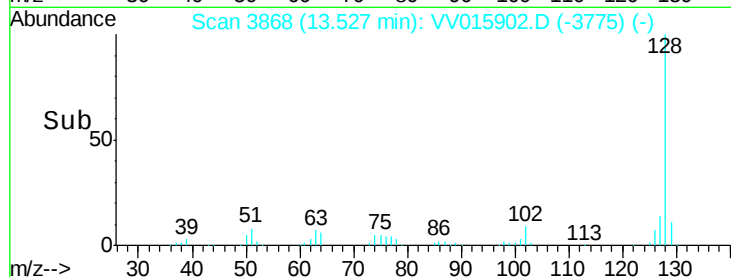
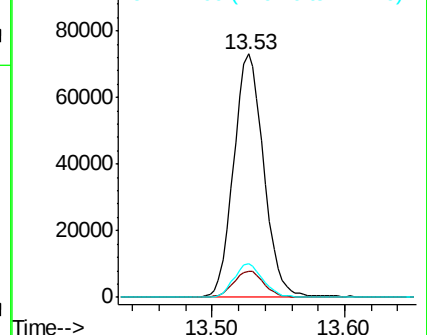
127 13.3 10.2 15.2



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: 4.881 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015902.D

Acq: 05 May 2020 15:23

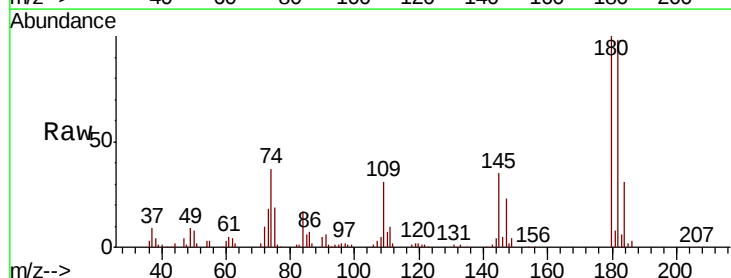
Tgt Ion:180 Resp: 60674

Ion Ratio Lower Upper

180 100

182 96.7 77.0 115.6

145 34.8 28.3 42.5



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

