

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030420\
 Data File : VV014729.D
 Acq On : 04 Mar 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 05 06:23:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 03 13:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	275886	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	264934	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	137680	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80424	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.58	69	68636	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.13	63	145195	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.98	46	85497	19.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	38.30%#
24) Chloroform-d	4.39	84	169768	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	85317	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.09	84	332969	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.11	67	105383	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.35	98	307967	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.66	79	41252	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.13	63	152821	40.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.28%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	79245	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	113250	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	139353	4.599	ug/L 100
3) Chloromethane	1.25	50	119549	4.284	ug/L 100
5) Vinyl chloride	1.32	62	115558	4.505	ug/L 98
6) Bromomethane	1.53	94	69571	4.813	ug/L 97
8) Chloroethane	1.60	64	64595	4.495	ug/L 99
9) Trichlorofluoromethane	1.77	101	162010	4.637	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86601	4.736	ug/L 98
12) 1,1-Dichloroethene	2.14	96	82588	4.750	ug/L 94
13) Acetone	2.48	43	23553	7.839	ug/L 85
14) Carbon disulfide	2.31	76	241776	4.078	ug/L 99
15) Methyl Acetate	2.48	43	23553	3.089	ug/L # 85
16) Methylene chloride	2.53	84	98126	4.513	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	225647	4.771	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	100898	4.801	ug/L 96
19) 1,1-Dichloroethane	3.23	63	192719	4.688	ug/L 98
21) 2-Butanone	4.06	43	253089	49.496	ug/L # 74
22) cis-1,2-Dichloroethene	3.96	96	105612	4.701	ug/L 96

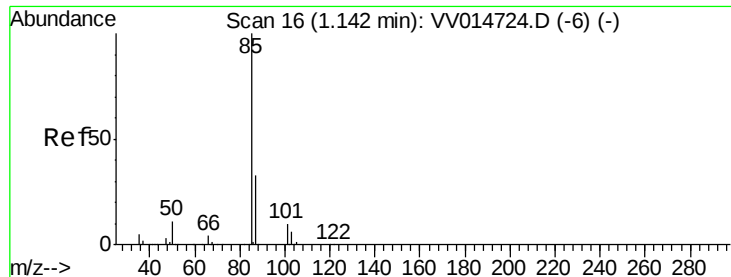
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030420\
 Data File : VV014729.D
 Acq On : 04 Mar 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 05 06:23:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 03 13:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	43873	4.866	ug/L	90
25) Chloroform	4.42	83	190717	4.727	ug/L	98
27) 1,2-Dichloroethane	5.18	62	116466	4.713	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	168006	4.810	ug/L	99
30) Cyclohexane	4.72	56	179465	4.565	ug/L	99
31) Carbon tetrachloride	4.87	117	146975	4.885	ug/L	100
33) Benzene	5.14	78	416805	4.792	ug/L	100
34) Trichloroethene	5.95	95	108111	4.744	ug/L	97
35) Methylcyclohexane	6.17	83	182975	4.721	ug/L	98
37) 1,2-Dichloropropane	6.22	63	105425	4.744	ug/L	98
38) Bromodichloromethane	6.55	83	130537	4.816	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	156872	4.873	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	635561	47.763	ug/L	98
42) Toluene	7.42	91	449423	4.879	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	120504	4.824	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	68566	4.833	ug/L	97
47) Tetrachloroethene	8.01	164	87520	4.803	ug/L	97
48) 2-Hexanone	8.18	43	453218	47.803	ug/L	97
49) Dibromochloromethane	8.28	129	83091	5.180	ug/L	99
50) 1,2-Dibromoethane	8.39	107	63915	4.719	ug/L	96
51) Chlorobenzene	8.92	112	284018	4.869	ug/L	97
52) Ethylbenzene	9.05	91	502101	4.807	ug/L	100
53) m,p-xylene	9.17	106	186453	4.876	ug/L	100
54) o-xylene	9.58	106	183994	4.943	ug/L	98
55) Styrene	9.60	104	309741	4.953	ug/L	99
56) Isopropylbenzene	9.97	105	489244	4.865	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	86970	4.902	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	63120	4.863	ug/L	98
61) Bromoform	9.77	173	45426	5.607	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	229956	4.885	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	232096	4.826	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	210706	4.846	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	13920	4.837	ug/L	95
67) 1,3,5-Trichlorobenzene	12.68	180	186205	4.875	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	160212	4.884	ug/L	98
69) Naphthalene	13.54	128	252751	4.733	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	145475	4.970	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.599 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

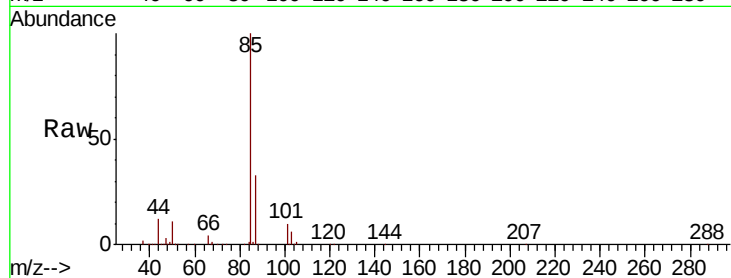
ClientSampleId :

Tot Ion: 85 Resp: 139353

Ion Ratio Lower Upper

85 100

87 32.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

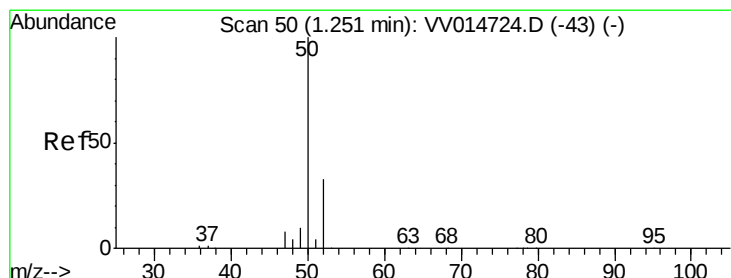
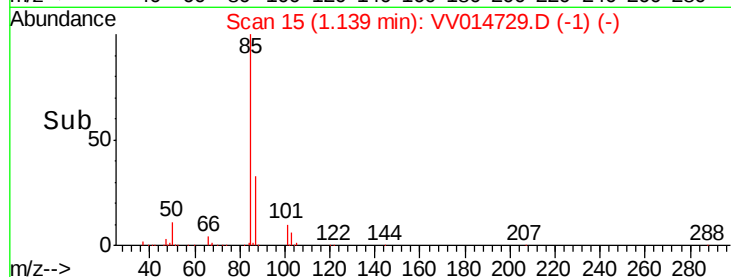
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.284 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014729.D

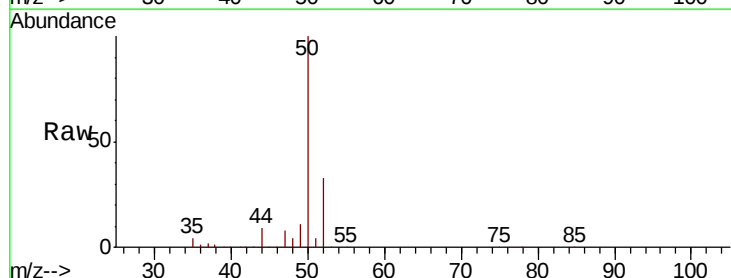
Acq: 04 Mar 2020 09:57

Tgt Ion: 50 Resp: 119549

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

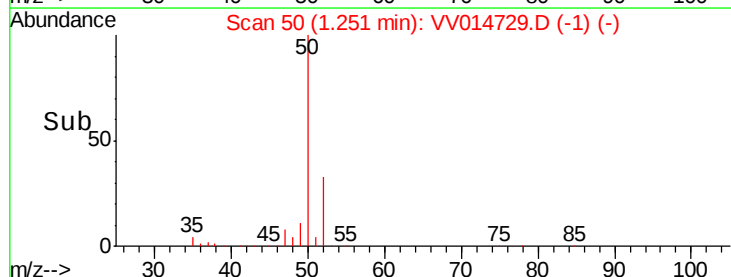
1.25

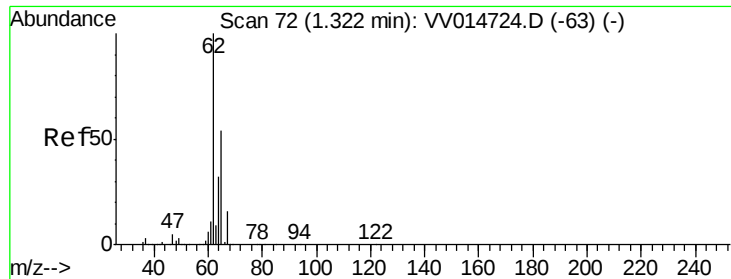
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.505 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

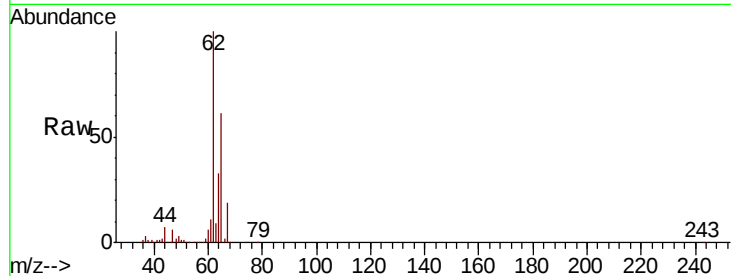
ClientSampled :

Tot Ion: 62 Resp: 115558

Ion Ratio Lower Upper

62 100

64 33.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV014724.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV014729.D (-45) (-)

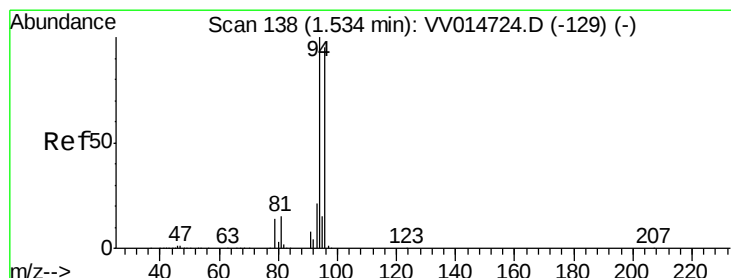
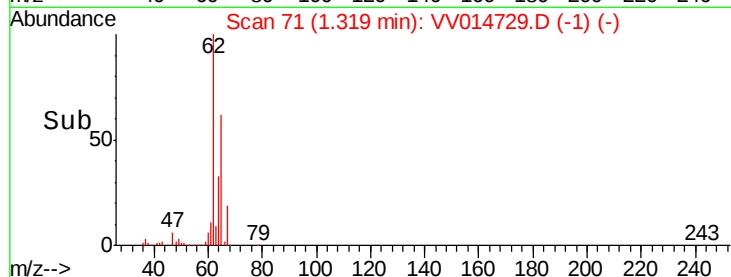
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.813 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014729.D

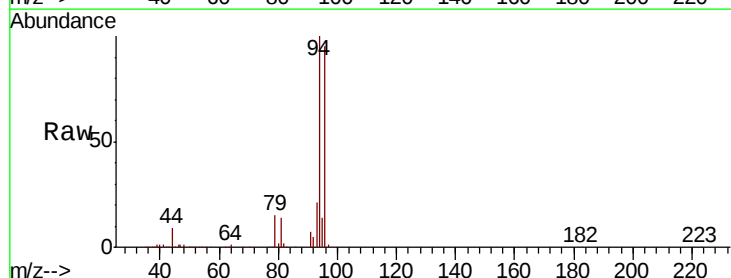
Acq: 04 Mar 2020 09:57

Tgt Ion: 94 Resp: 69571

Ion Ratio Lower Upper

94 100

96 94.7 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV014724.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014729.D (-45) (-)

1.53

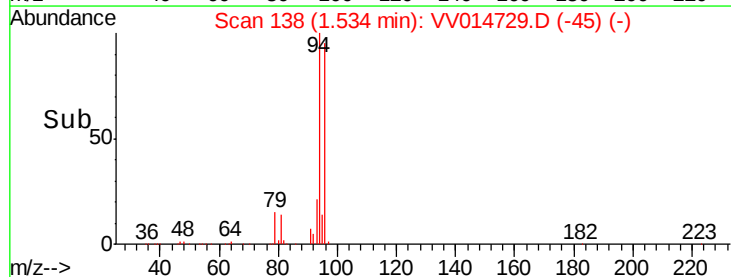
60000

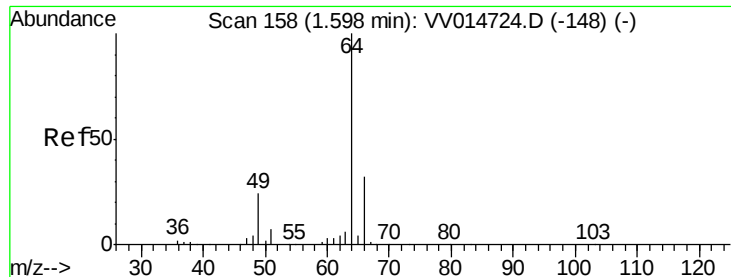
40000

20000

0

Time-->





#8

Chloroethane

Concen: 4.495 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

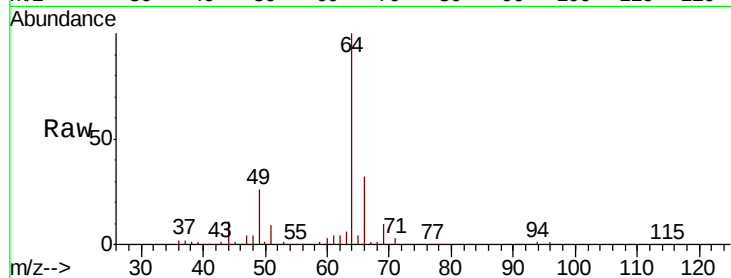
ClientSampleId :

Tot Ion: 64 Resp: 64595

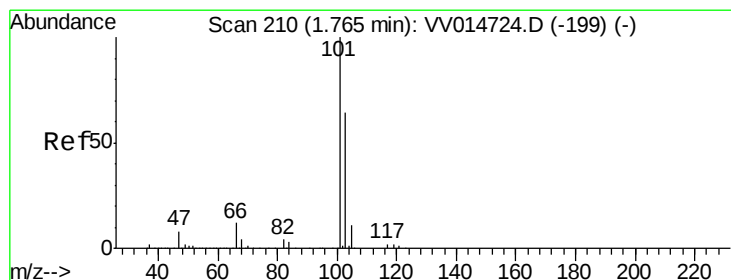
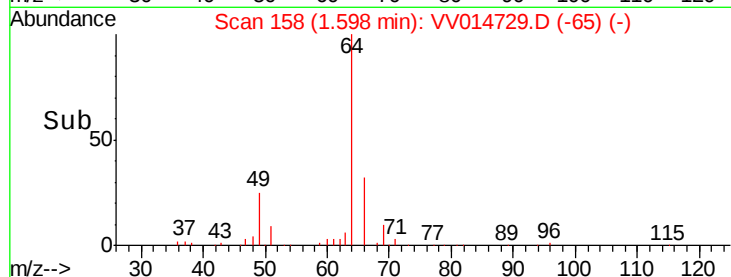
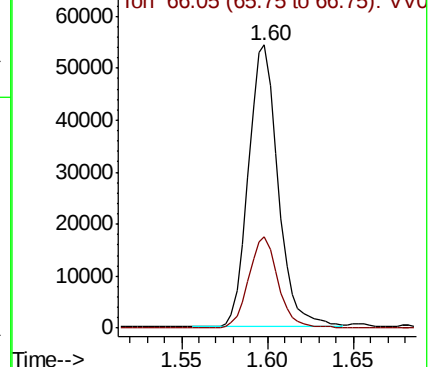
Ion Ratio Lower Upper

64 100

66 32.1 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014729.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 4.637 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014729.D

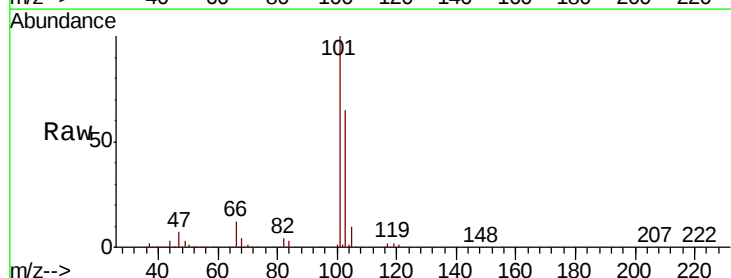
Acq: 04 Mar 2020 09:57

Tgt Ion:101 Resp: 162010

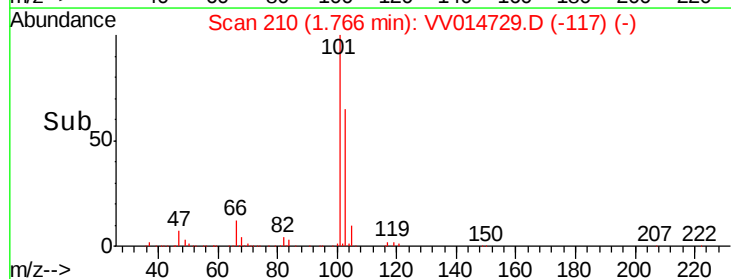
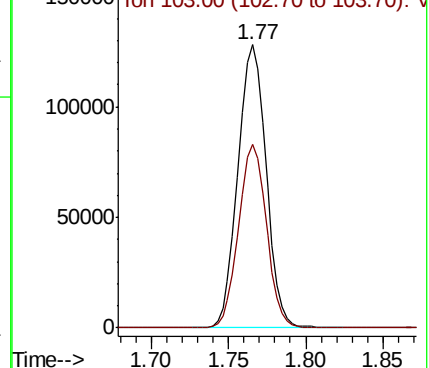
Ion Ratio Lower Upper

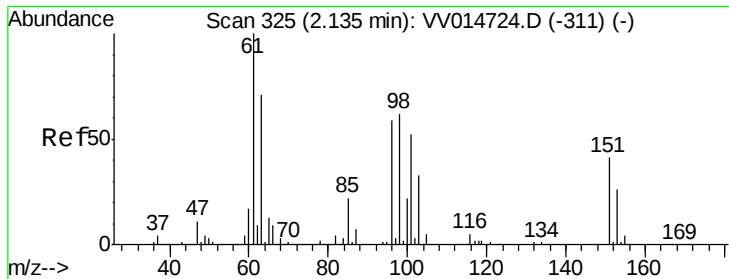
101 100

103 64.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014729.D (-199) (-)





#10

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

Concen: 4.736 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

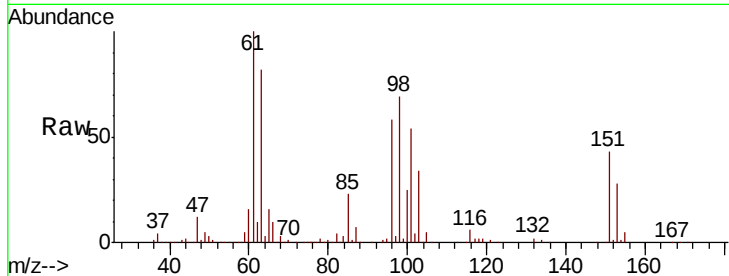
Tot Ion:101 Resp: 86601

Ion Ratio Lower Upper

101 100

85 42.5 35.3 52.9

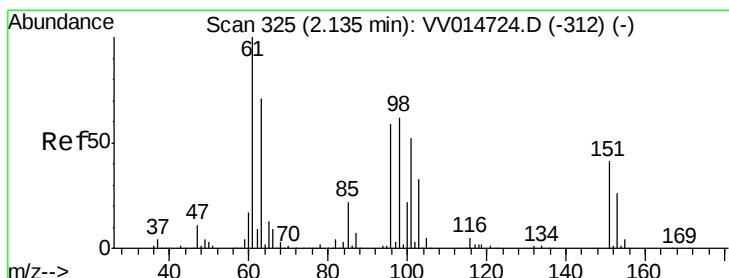
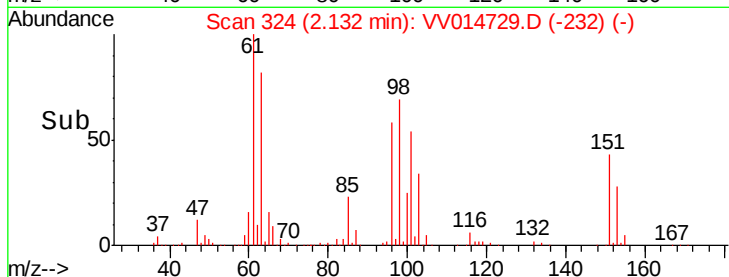
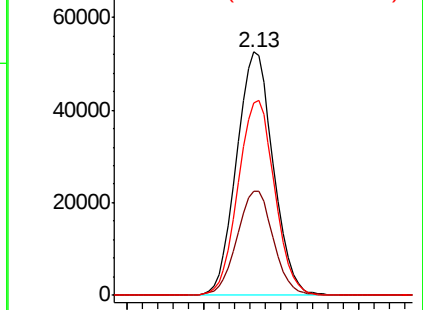
151 79.6 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.750 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

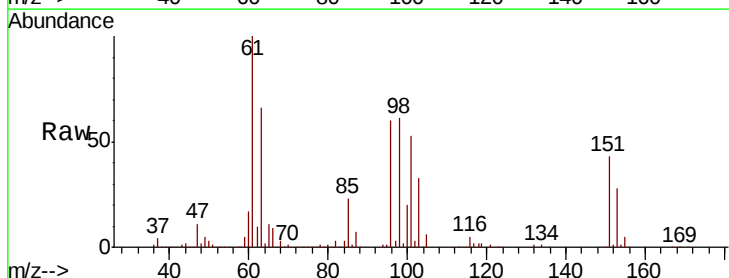
Tgt Ion: 96 Resp: 82588

Ion Ratio Lower Upper

96 100

61 165.7 121.3 225.3

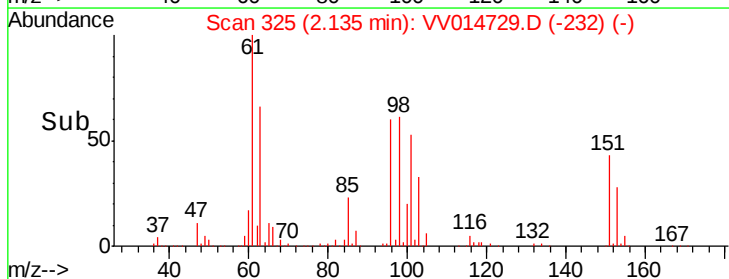
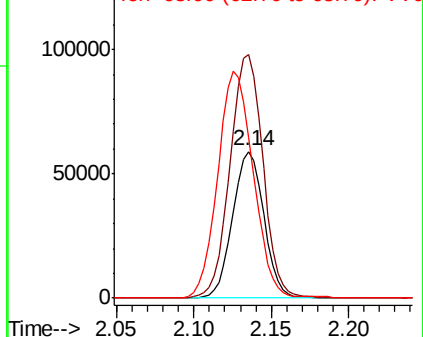
63 109.5 81.6 151.6

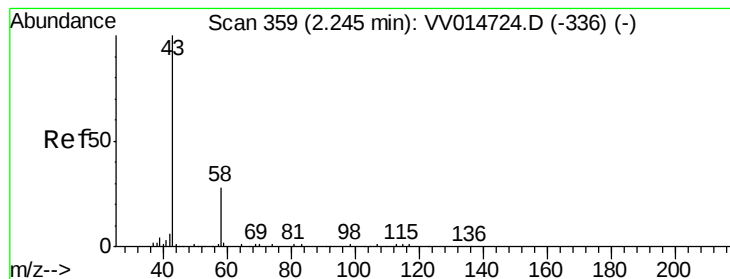


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.839 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.23 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

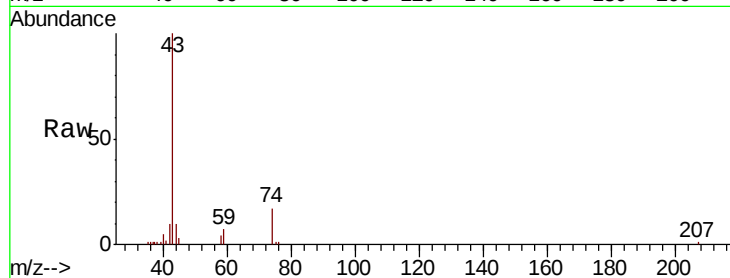
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 23553

Ion Ratio Lower Upper

43 100

58 4.5 0.0 20.0



Abundance Ion 43.05 (42.75 to 43.75): VV014729.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV014729.D (-336) (-)

2.48

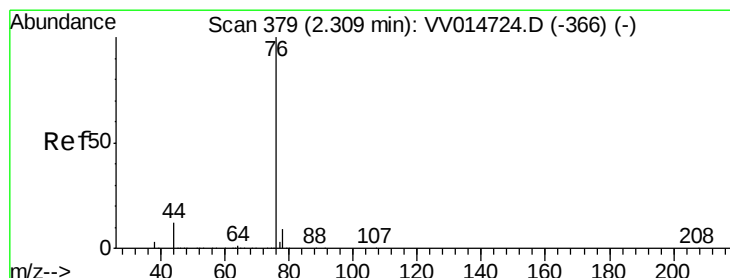
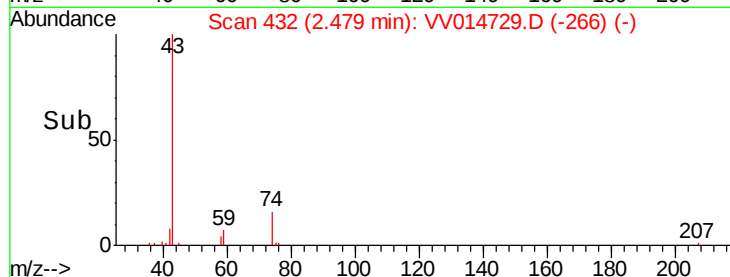
15000

10000

5000

0

Time--> 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 4.078 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014729.D

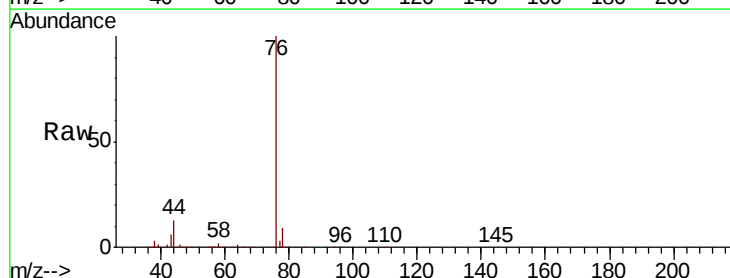
Acq: 04 Mar 2020 09:57

Tgt Ion: 76 Resp: 241776

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV014729.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV014729.D (-286) (-)

2.31

200000

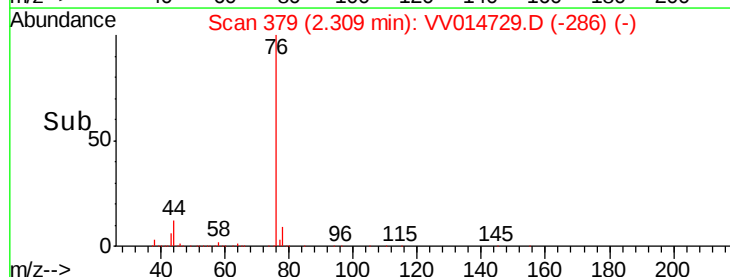
150000

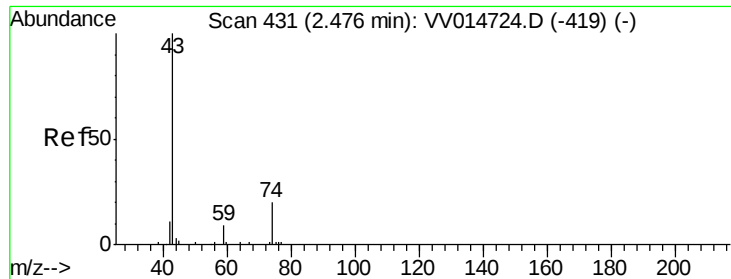
100000

50000

0

Time--> 2.25 2.30 2.35 2.40

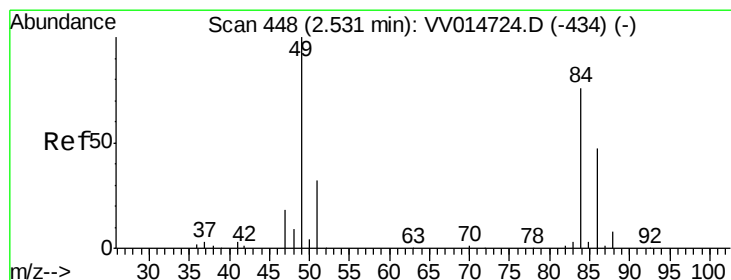
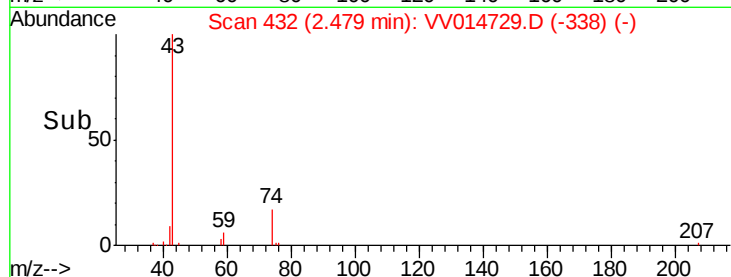
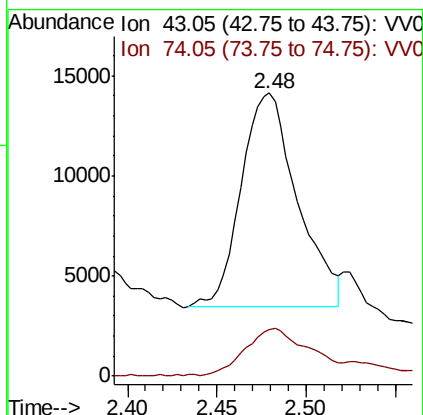
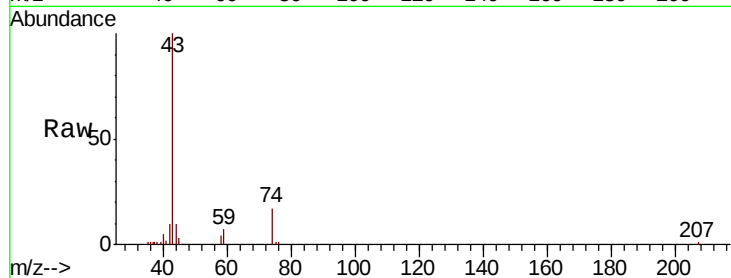




#15
Methyl Acetate
Concen: 3.089 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

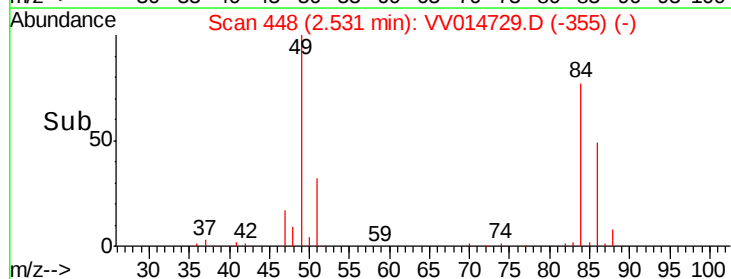
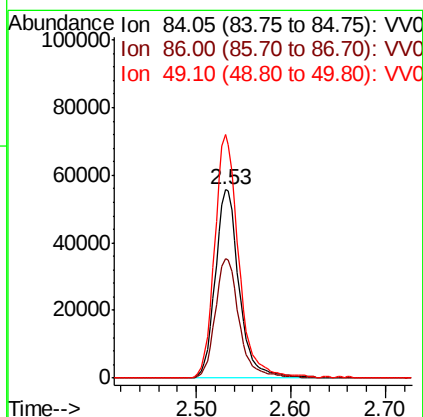
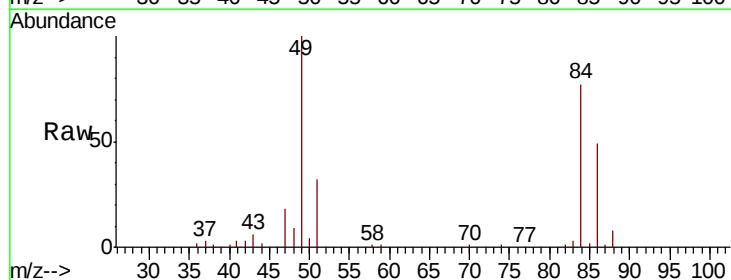
Instrument :
MSVOA_V
ClientSampled :

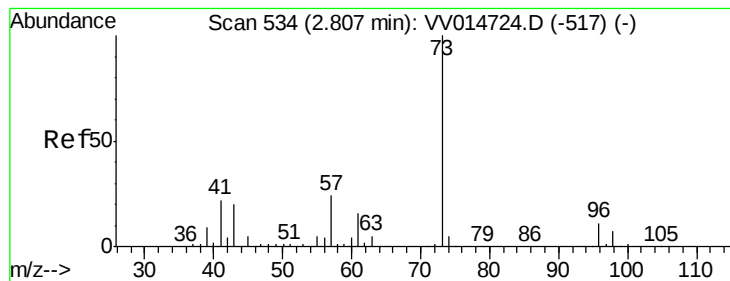
Tot Ion: 43 Resp: 23553
Ion Ratio Lower Upper
43 100
74 25.3 14.8 22.2#



#16
Methylene chloride
Concen: 4.513 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion: 84 Resp: 98126
Ion Ratio Lower Upper
84 100
86 63.8 44.9 83.5
49 129.4 95.6 177.6



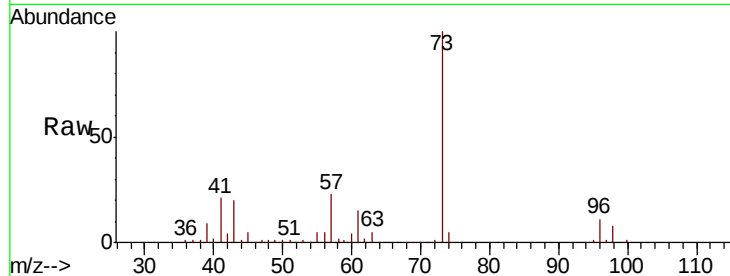


#17

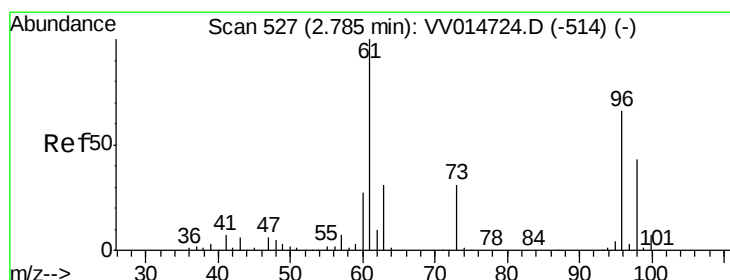
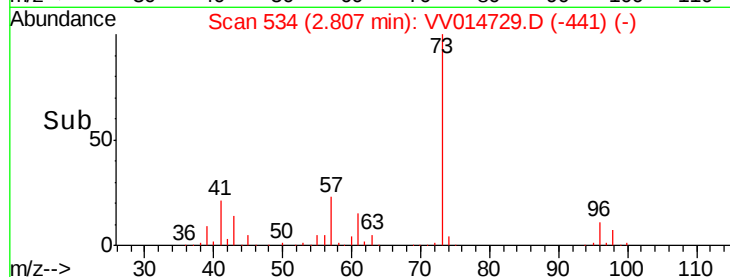
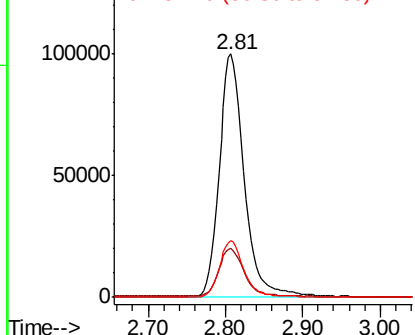
Methvl tert-butvl Ether
Concen: 4.771 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.0	24.0
57	23.2	18.4	27.6



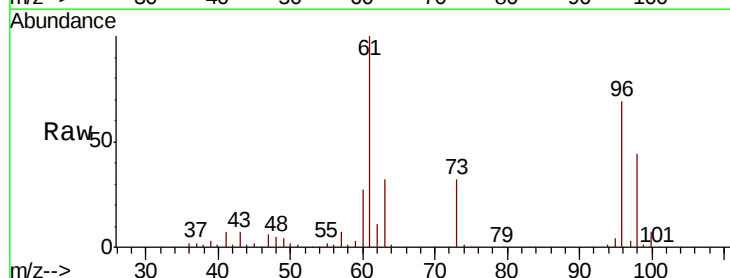
Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



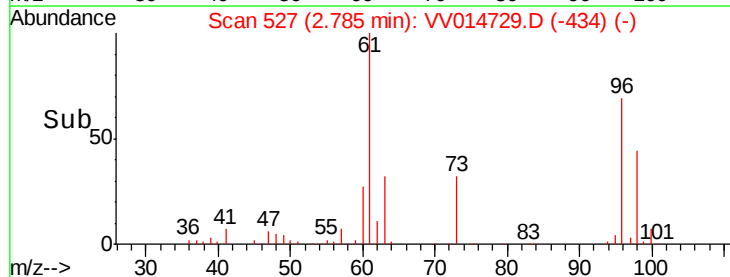
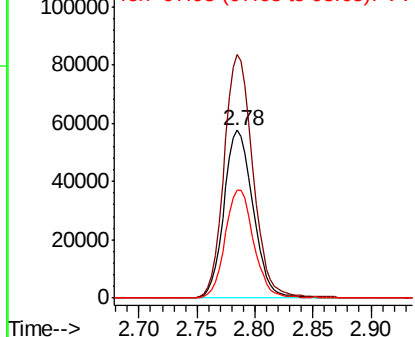
#18

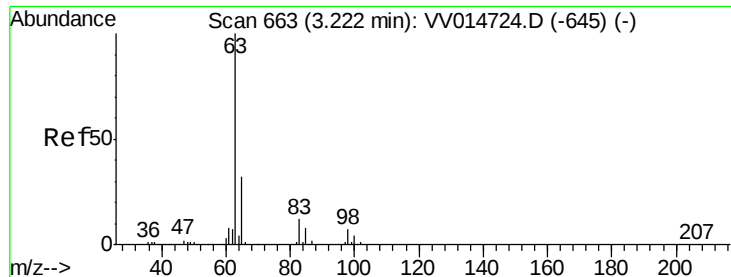
trans-1,2-Dichloroethene
Concen: 4.801 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	104.9	194.9
98	64.6	42.9	79.7



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: 4.688 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

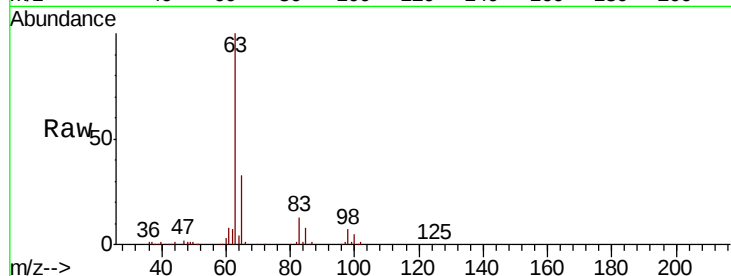
Tot Ion: 63 Resp: 192719

Ion Ratio Lower Upper

63 100

65 32.6 21.9 40.7

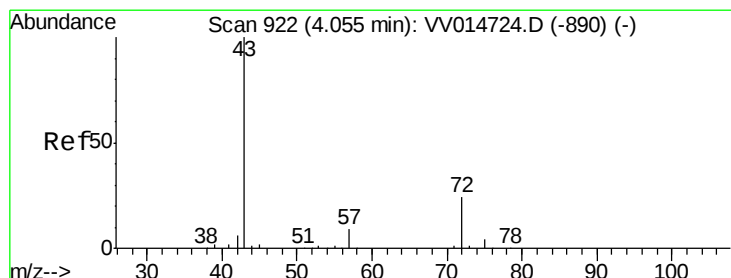
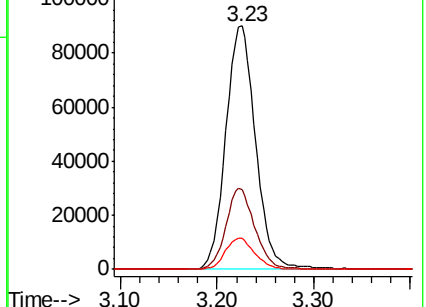
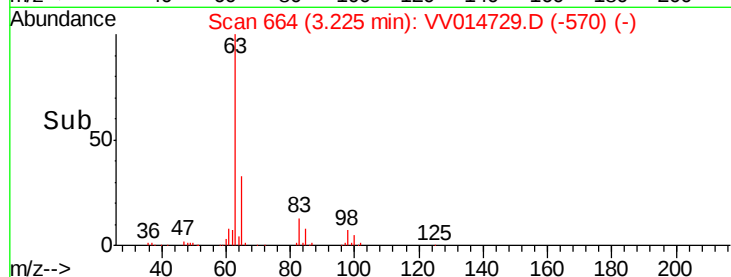
83 12.6 9.0 16.6



Abundance Ion 63.10 (62.80 to 63.80): VV014729.D (-570) (-)

Ion 65.10 (64.80 to 65.80): VV014729.D (-570) (-)

Ion 83.05 (82.75 to 83.75): VV014729.D (-570) (-)



#21

2-Butanone

Concen: 49.496 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.00 min

Lab File: VV014729.D

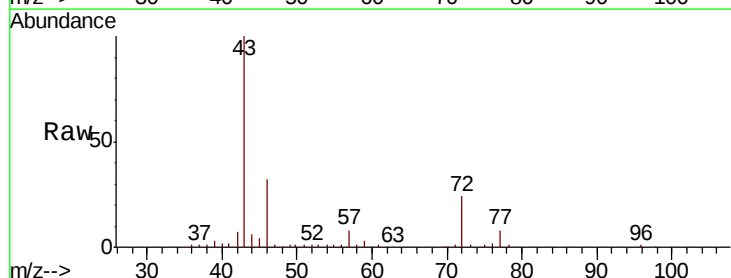
Acq: 04 Mar 2020 09:57

Tgt Ion: 43 Resp: 253089

Ion Ratio Lower Upper

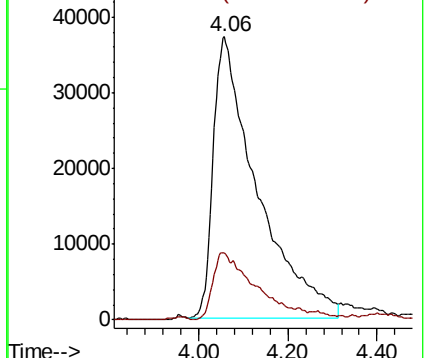
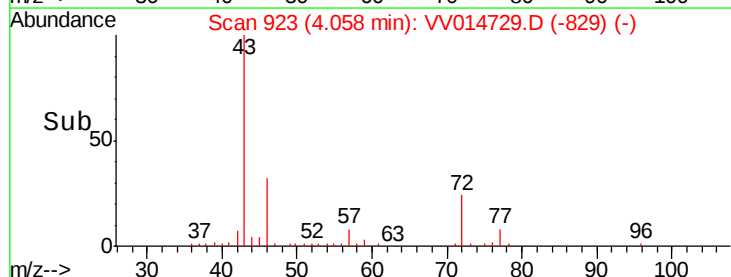
43 100

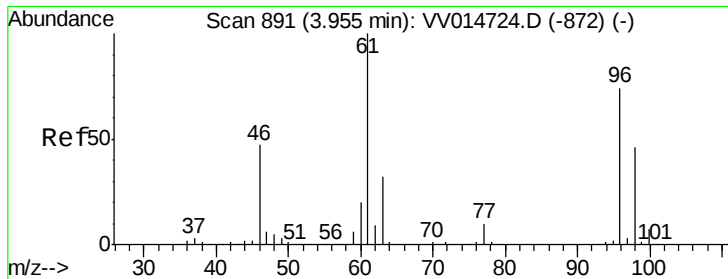
72 8.9 10.5 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VV014729.D (-829) (-)

Ion 72.00 (71.70 to 72.70): VV014729.D (-829) (-)

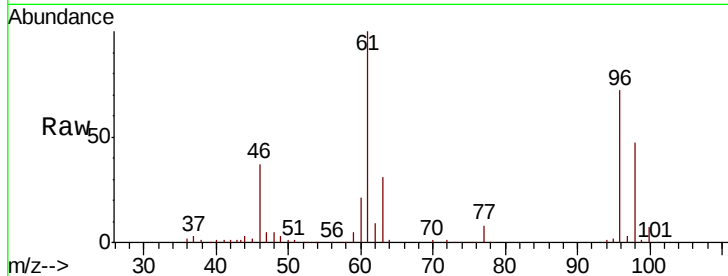




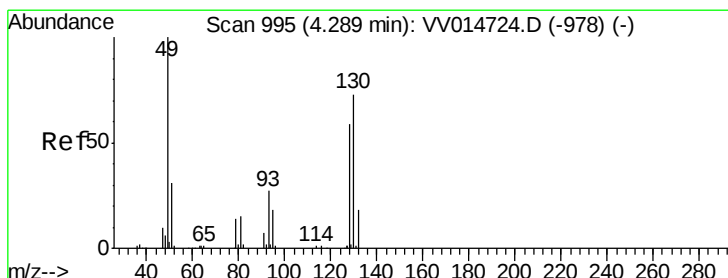
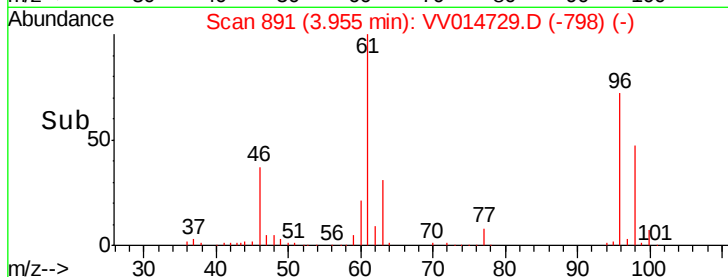
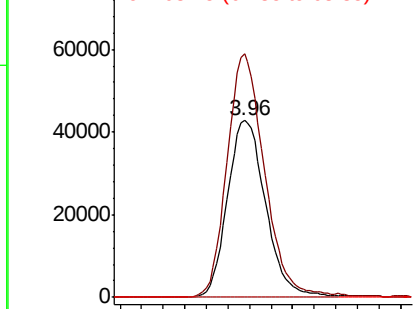
#22
 cis-1,2-Dichloroethene
 Concen: 4.701 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV014729.D
 Acq: 04 Mar 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 105612
 Ion Ratio Lower Upper
 96 100
 61 138.0 93.3 173.3
 68 0.0 0.0 0.0



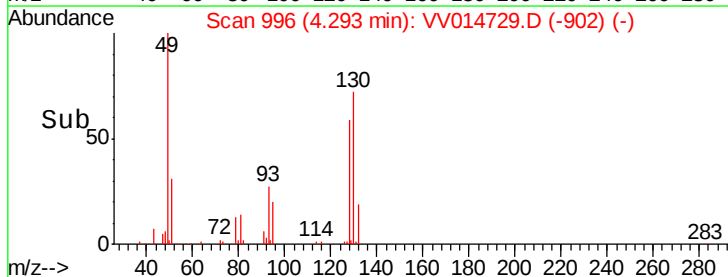
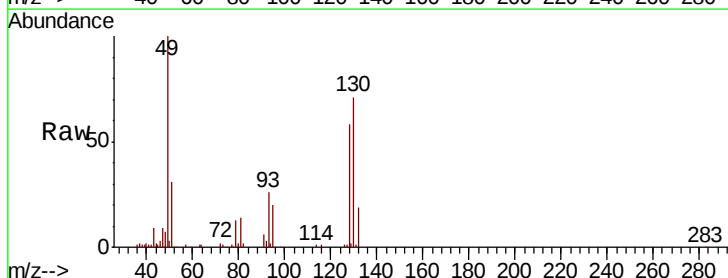
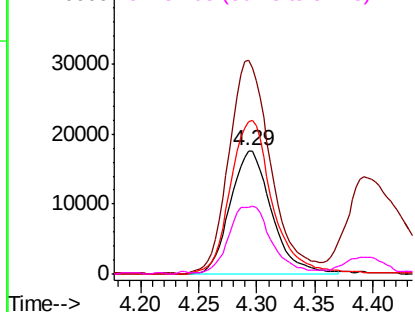
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

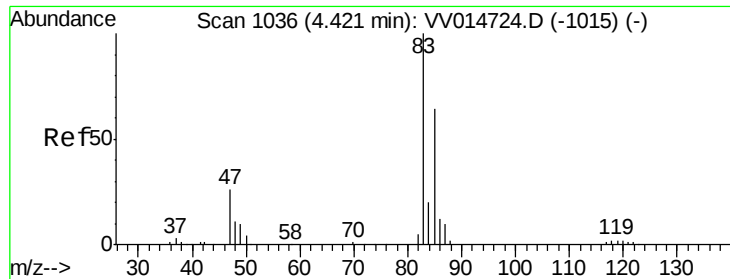


#23
 Bromochloromethane
 Concen: 4.866 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014729.D
 Acq: 04 Mar 2020 09:57

Tgt Ion:128 Resp: 43873
 Ion Ratio Lower Upper
 128 100
 49 173.0 136.2 252.9
 130 123.3 90.3 167.7
 51 54.2 47.9 71.9

Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

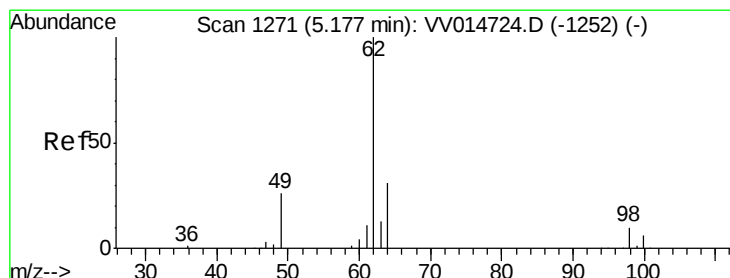
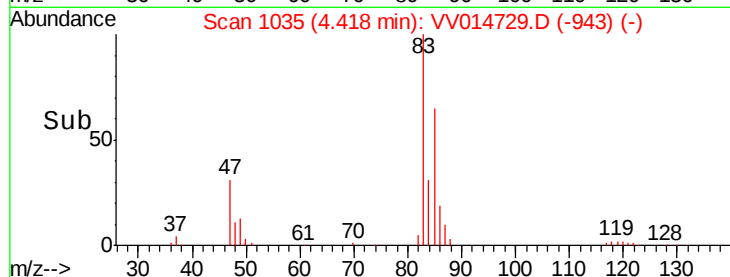
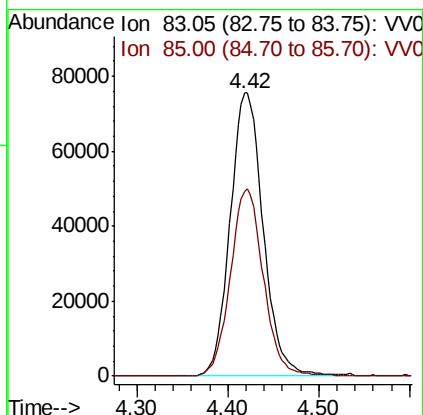
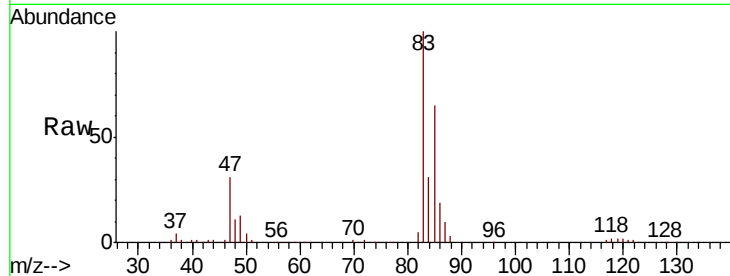




#25
Chloroform
Concen: 4.727 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

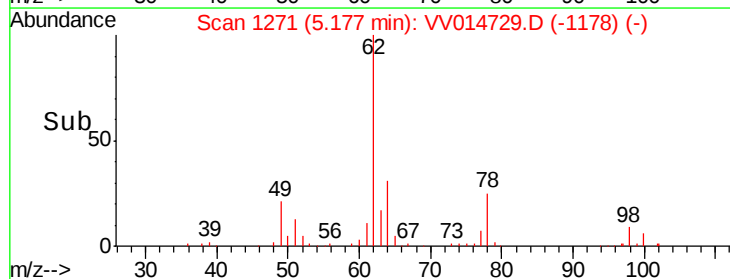
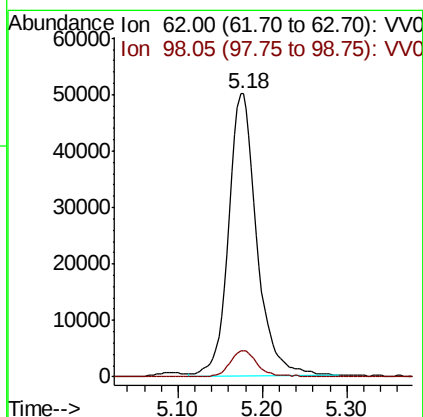
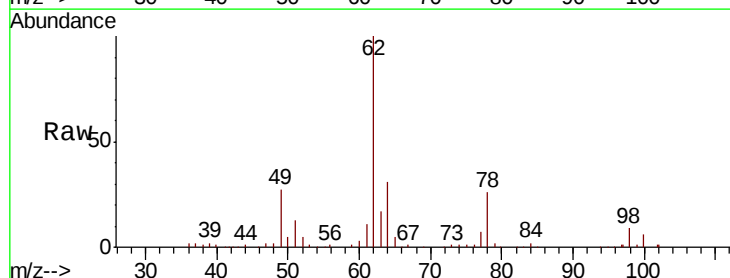
Instrument :
MSVOA_V
ClientSampled :

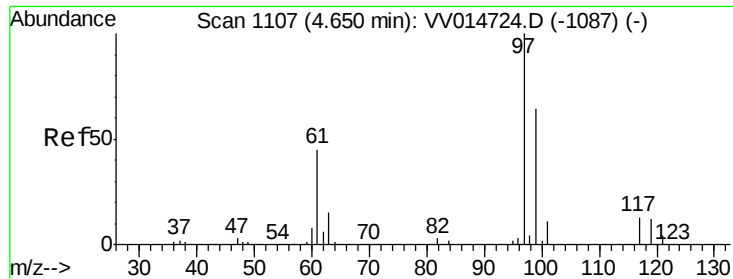
Tot Ion: 83 Resp: 190717
Ion Ratio Lower Upper
83 100
85 65.3 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.713 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion: 62 Resp: 116466
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

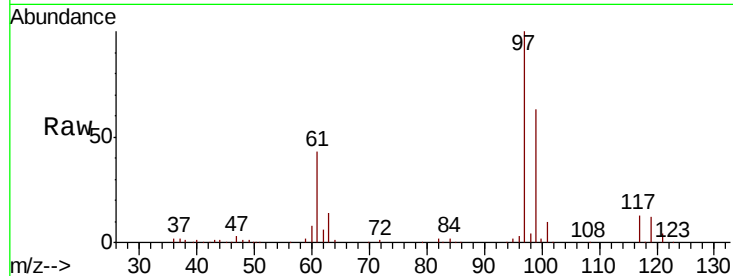




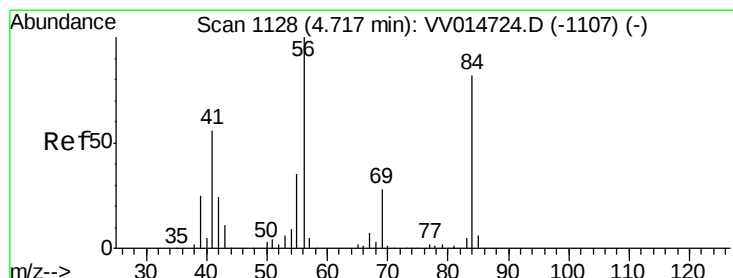
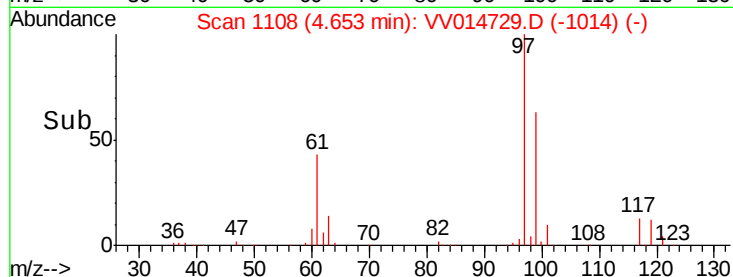
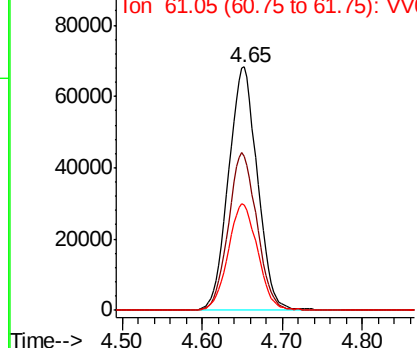
#29
1,1,1-Trichloroethane
Concen: 4.810 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 168006
Ion Ratio Lower Upper
97 100
99 63.9 50.6 76.0
61 44.5 36.3 54.5

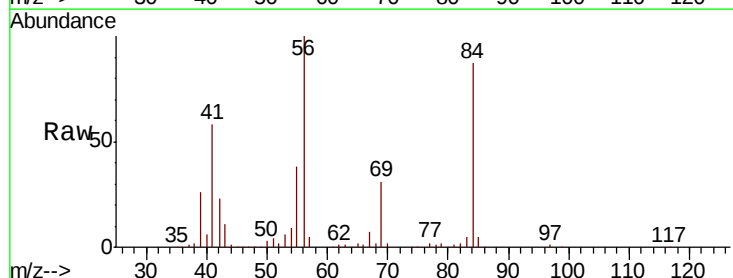


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

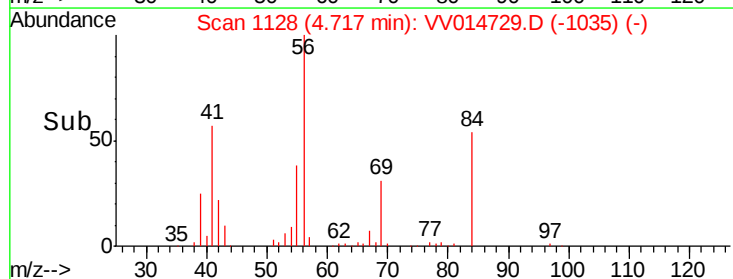
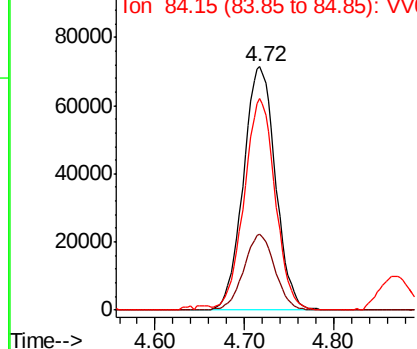


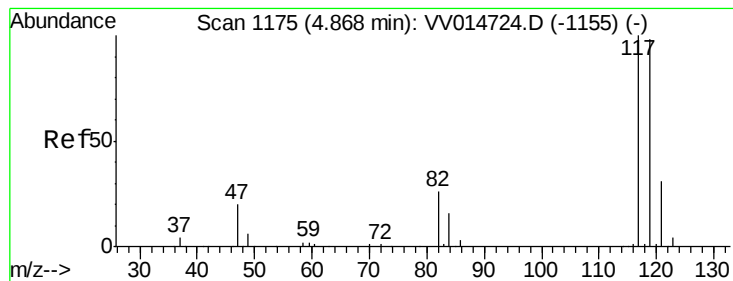
#30
Cyclohexane
Concen: 4.565 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion: 56 Resp: 179465
Ion Ratio Lower Upper
56 100
69 30.1 23.4 35.2
84 83.4 66.3 99.5



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: 4.885 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

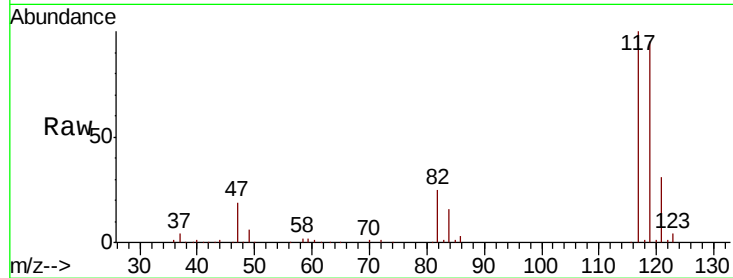
ClientSampleId :

Tot Ion:117 Resp: 146975

Ion Ratio Lower Upper

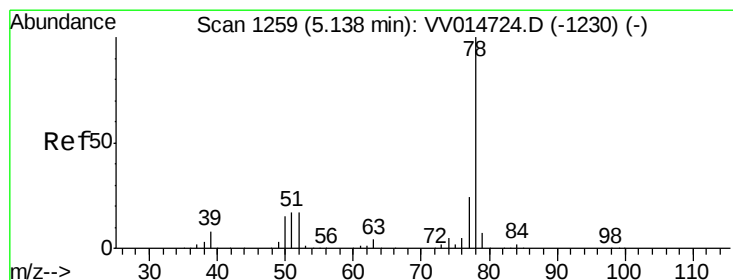
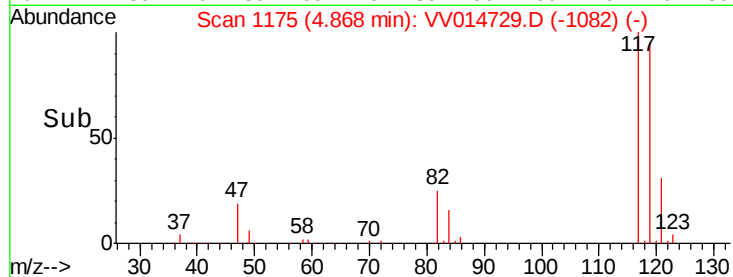
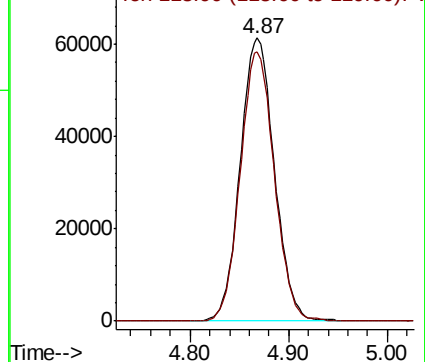
117 100

119 94.7 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.792 ug/L

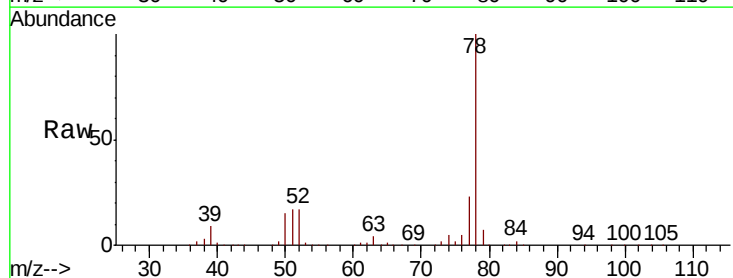
RT: 5.14 min Scan# 1259

Delta R.T. 0.00 min

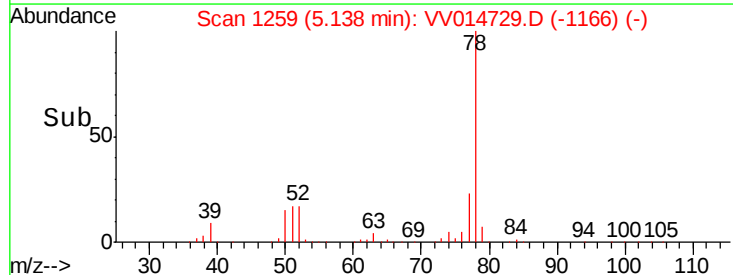
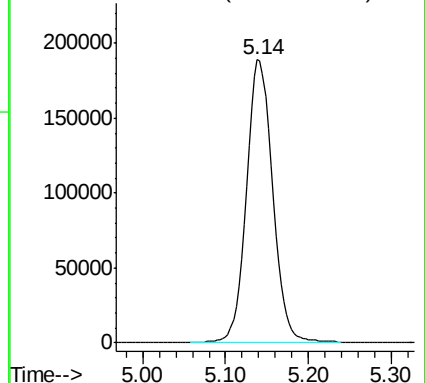
Lab File: VV014729.D

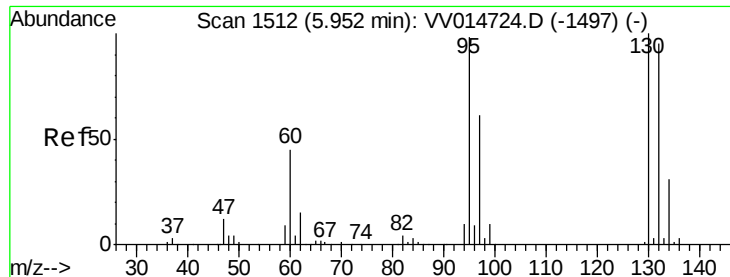
Acq: 04 Mar 2020 09:57

Tgt Ion: 78 Resp: 416805



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.744 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 108111

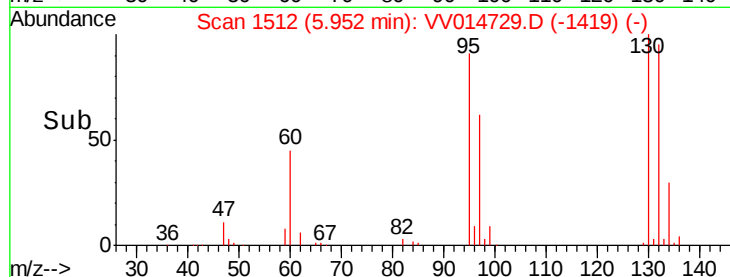
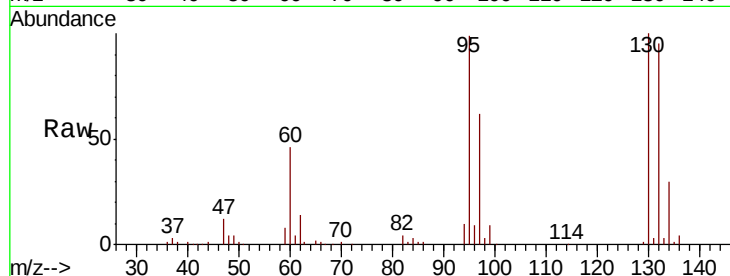
Ion Ratio Lower Upper

95 100

97 63.2 45.8 85.0

132 96.7 68.7 127.5

130 101.5 74.1 137.5

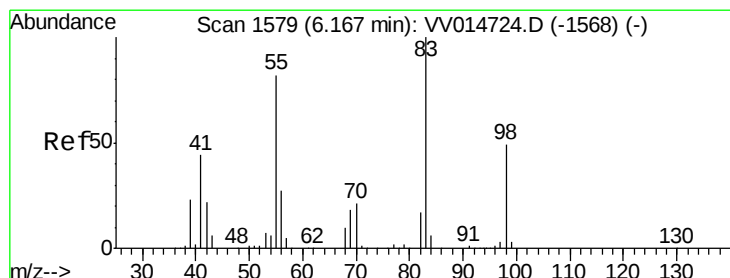
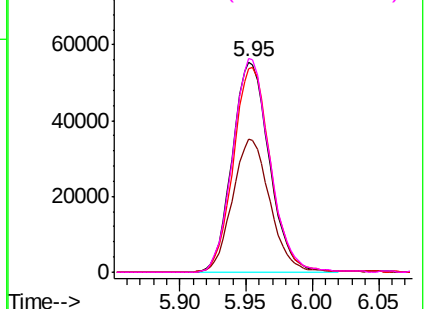


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.721 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

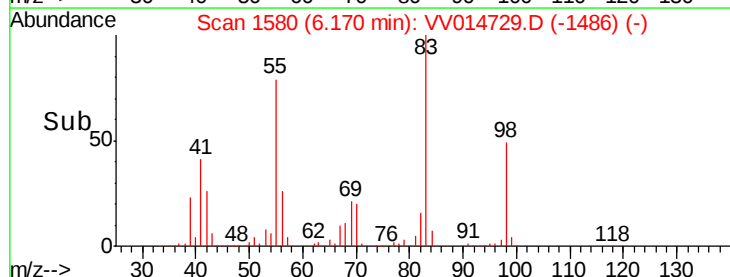
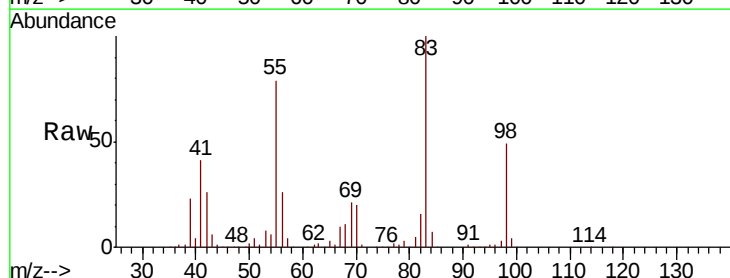
Tgt Ion: 83 Resp: 182975

Ion Ratio Lower Upper

83 100

55 78.9 64.6 96.8

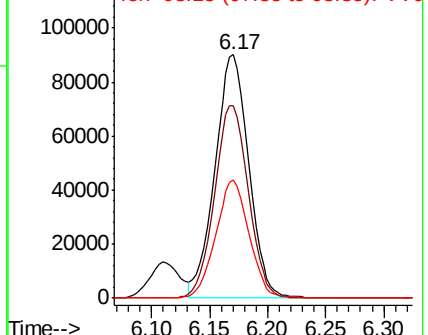
98 47.7 37.8 56.8

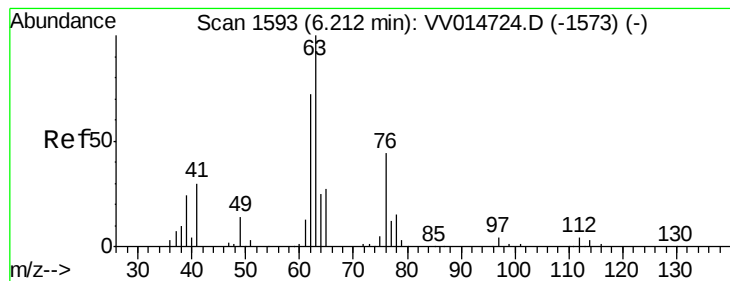


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.744 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

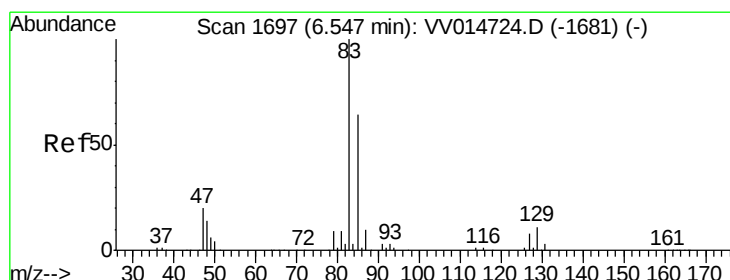
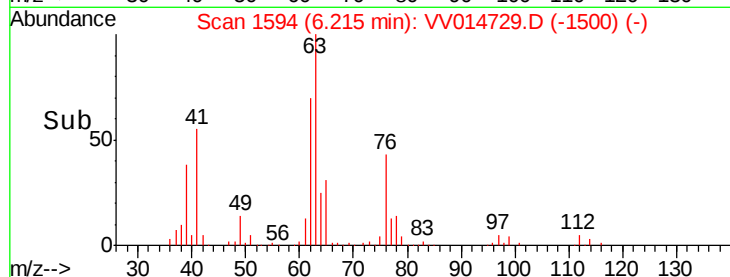
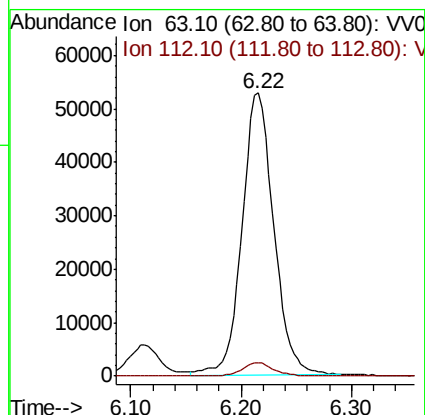
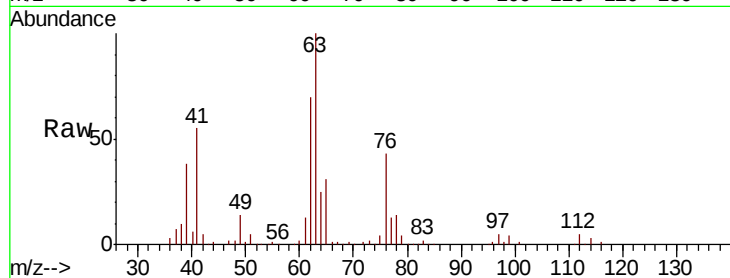
ClientSampleId :

Tot Ion: 63 Resp: 105425

Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.0



#38

Bromodichloromethane

Concen: 4.816 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

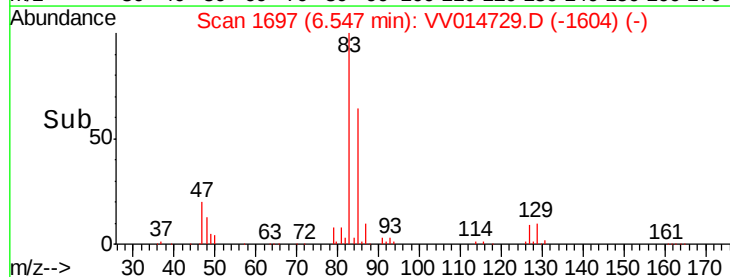
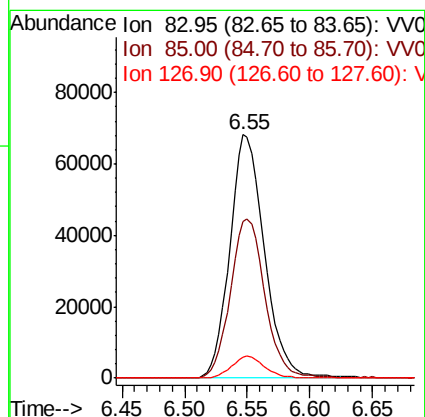
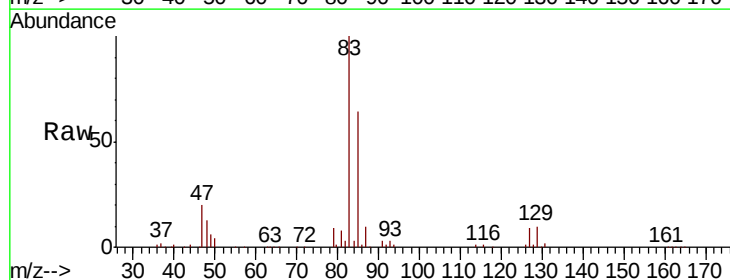
Tgt Ion: 83 Resp: 130537

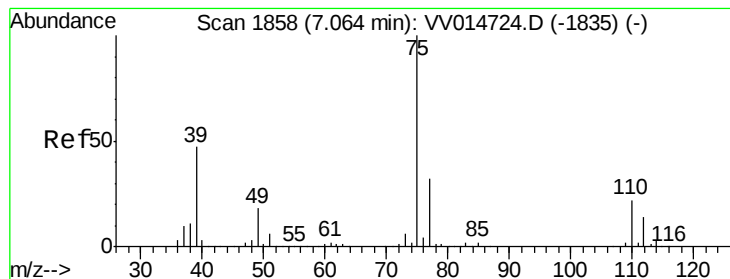
Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 8.5 6.6 10.0



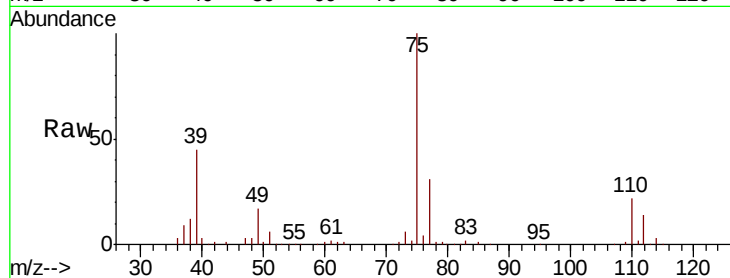


#39

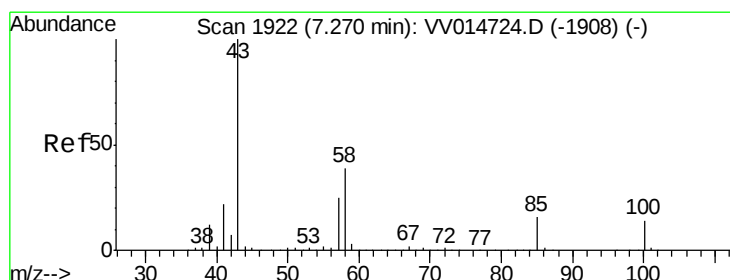
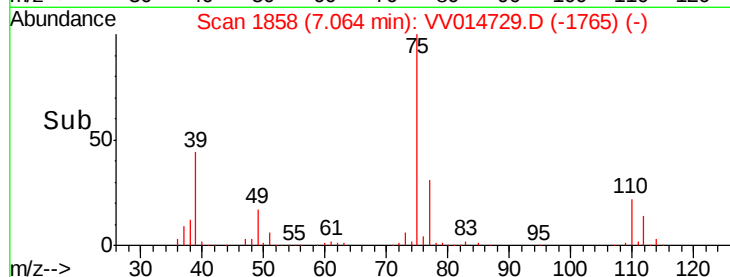
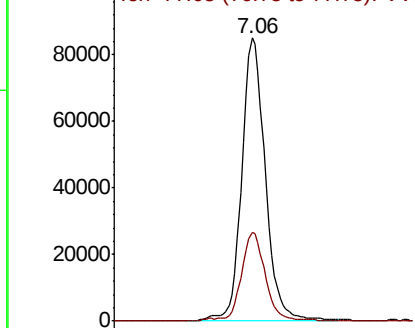
cis-1,3-Dichloropropene
Concen: 4.873 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 156872
Ion Ratio Lower Upper
75 100
77 31.5 23.0 42.8



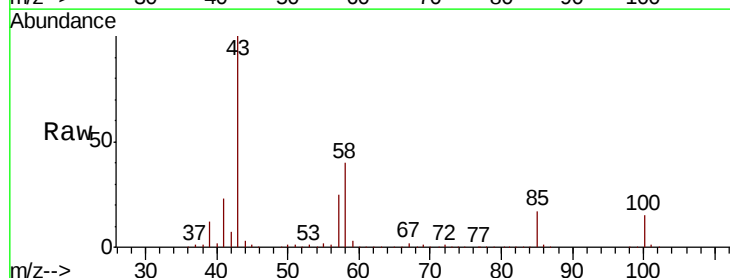
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



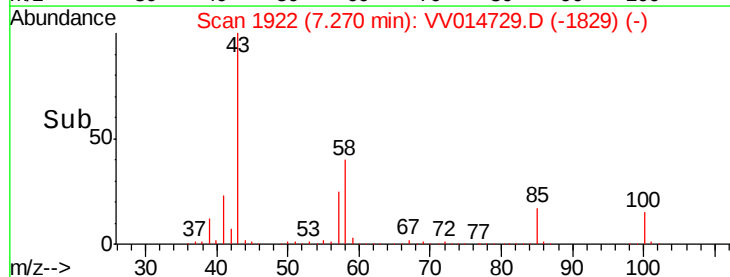
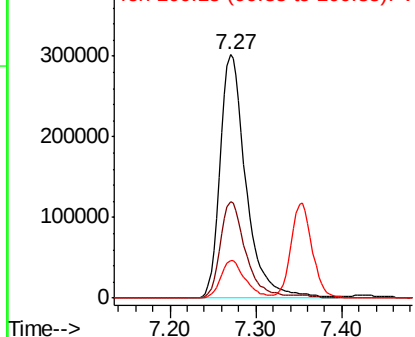
#40

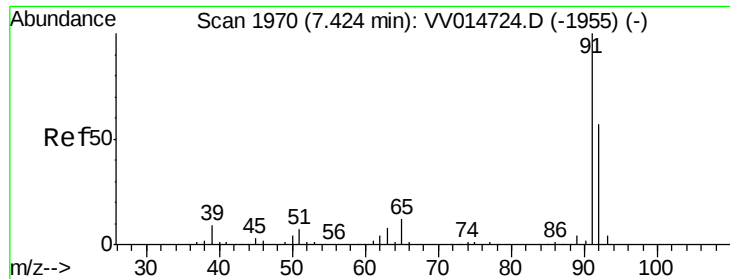
4-Methyl-2-pentanone
Concen: 47.763 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion: 43 Resp: 635561
Ion Ratio Lower Upper
43 100
58 38.8 30.2 45.2
100 14.5 11.2 16.8



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: 4.879 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

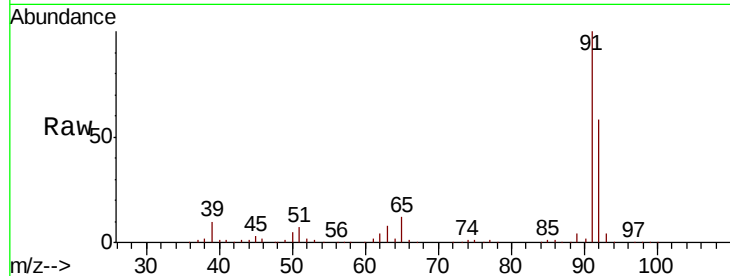
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 449423

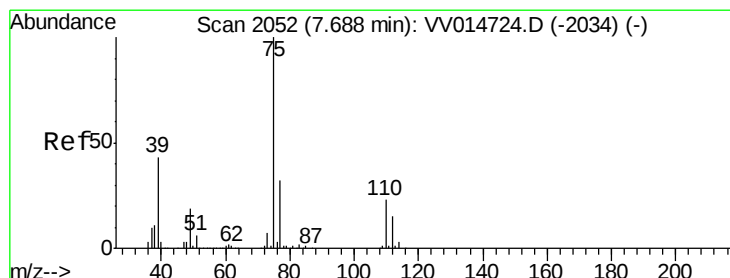
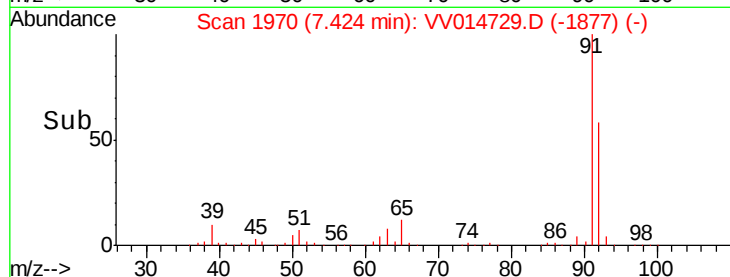
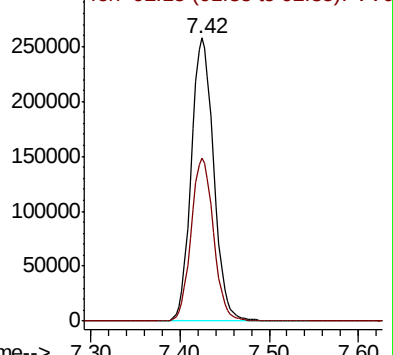
Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



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



#44

trans-1,3-Dichloropropene

Concen: 4.824 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014729.D

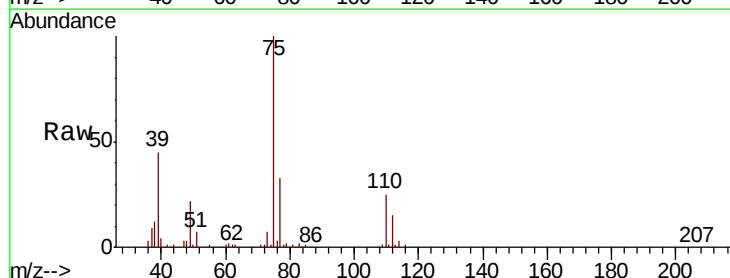
Acq: 04 Mar 2020 09:57

Tgt Ion: 75 Resp: 120504

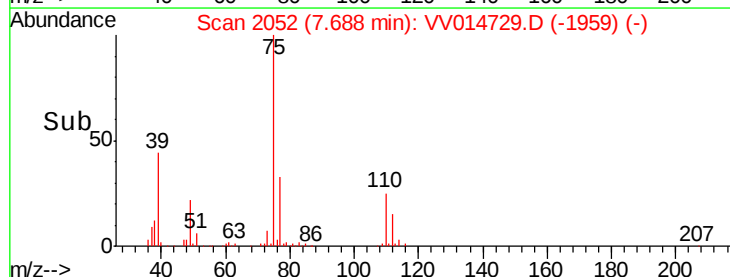
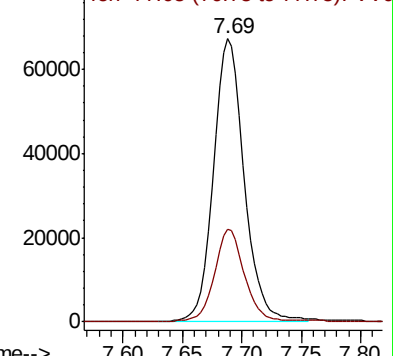
Ion Ratio Lower Upper

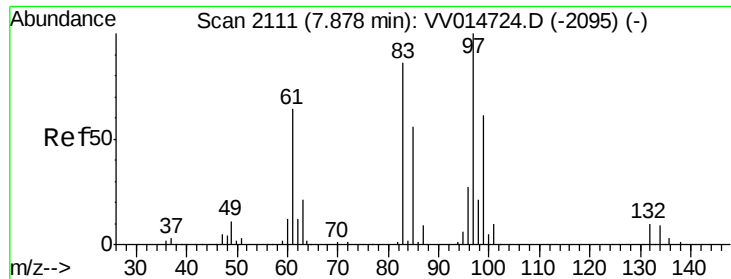
75 100

77 32.8 22.5 41.9



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

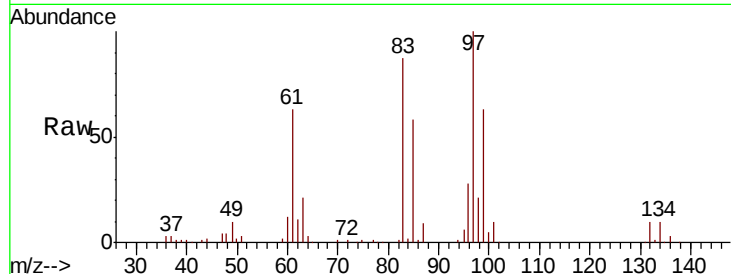




#45
1,1,2-Trichloroethane
Concen: 4.833 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	68566
Ion	Ratio	Lower	Upper
97	100		
99	63.2	45.4	84.4
83	86.8	59.8	111.1
85	58.1	38.3	71.1



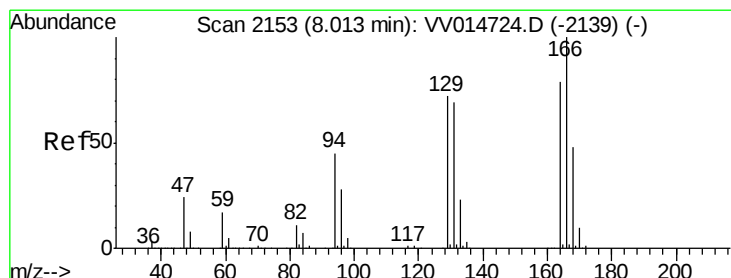
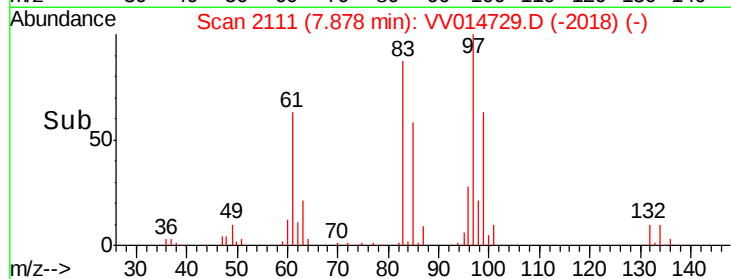
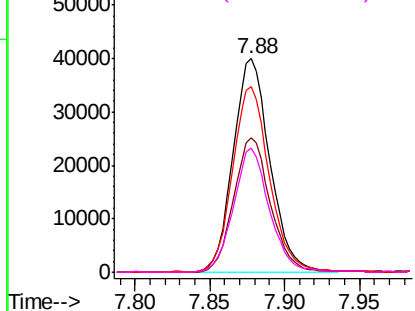
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

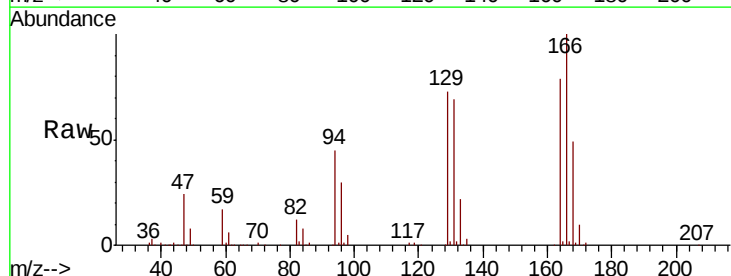
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 4.803 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion:	164	Resp:	87520
Ion	Ratio	Lower	Upper
164	100		
129	92.7	65.9	122.5
131	87.5	64.0	119.0
166	126.9	91.2	169.4



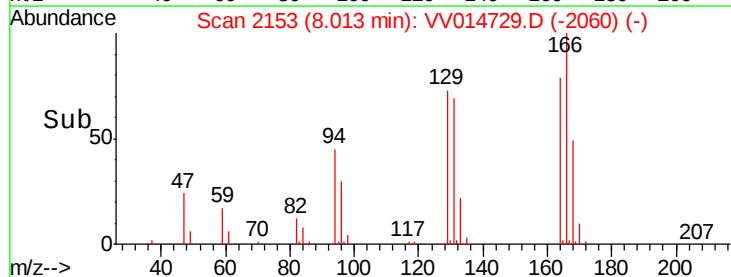
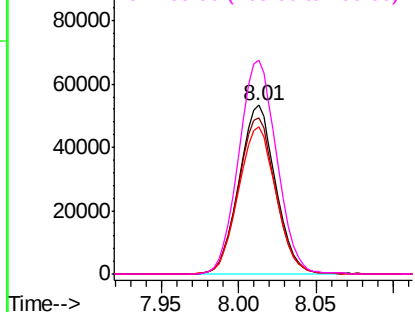
Abundance

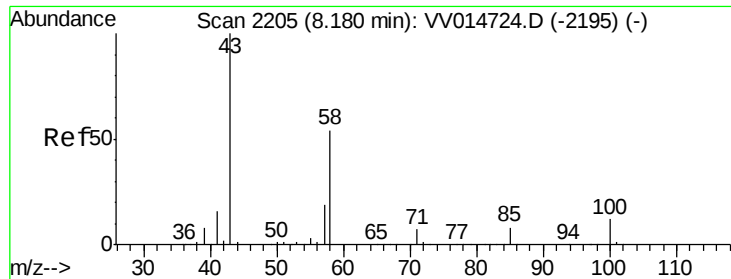
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

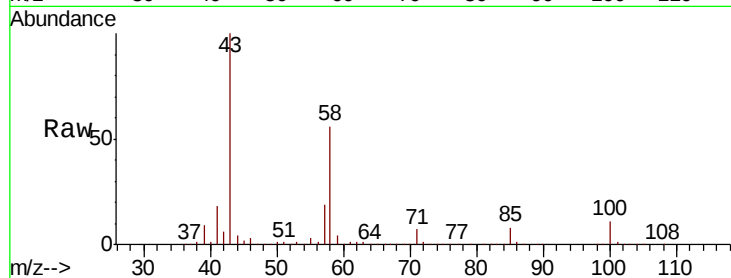




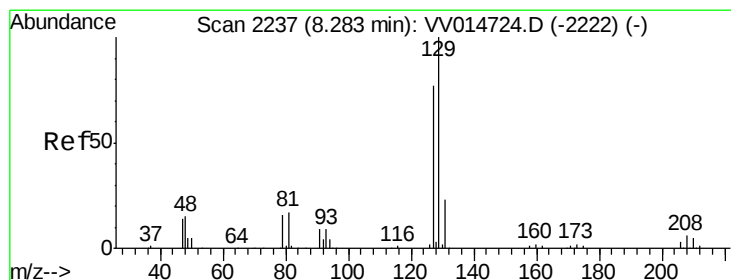
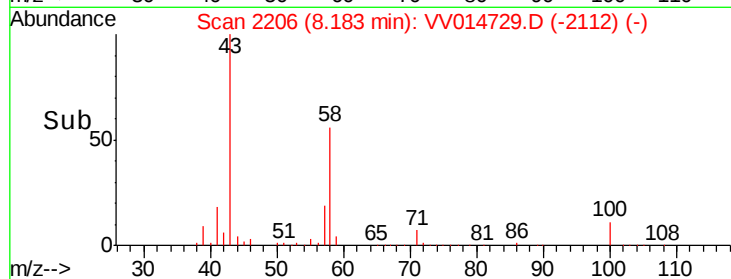
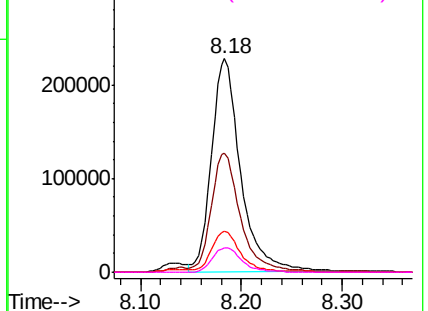
#48
2-Hexanone
Concen: 47.803 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 453218
Ion Ratio Lower Upper
43 100
58 56.2 43.1 64.7
57 19.1 14.6 21.8
100 11.9 9.0 13.4

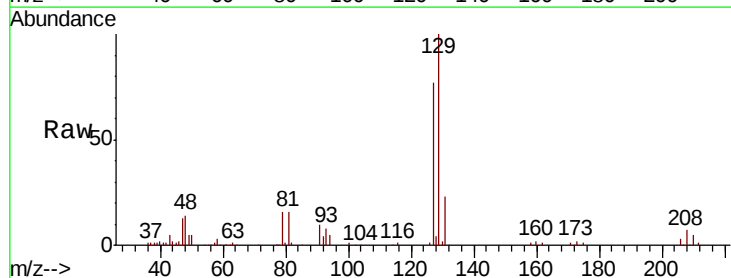


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

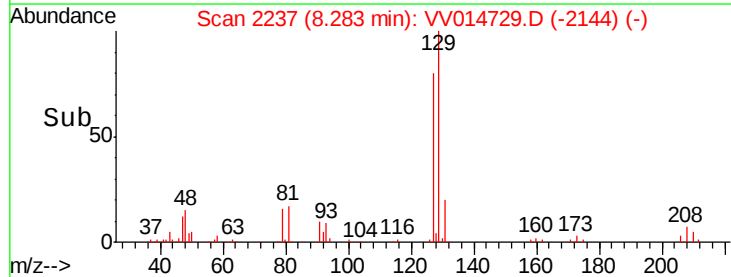
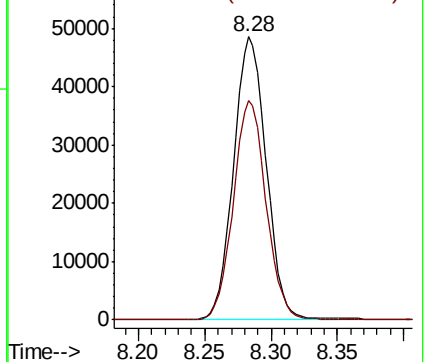


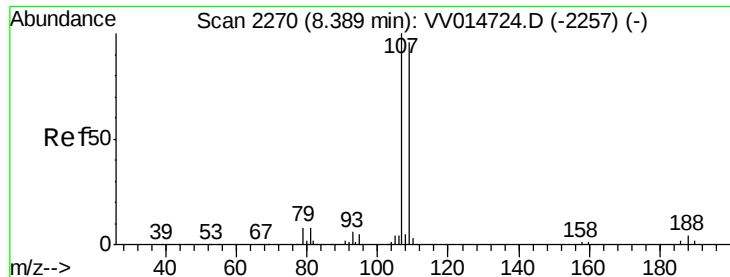
#49
Dibromochloromethane
Concen: 5.180 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion: 129 Resp: 83091
Ion Ratio Lower Upper
129 100
127 77.5 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

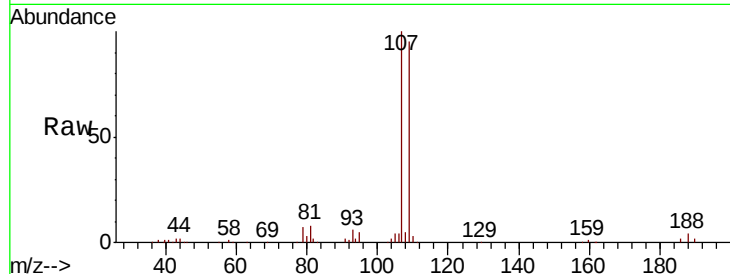




#50
1,2-Dibromoethane
Concen: 4.719 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	63.6	118.2
188	4.1	3.1	4.7

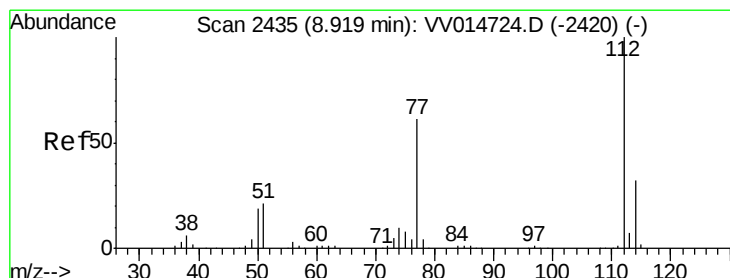
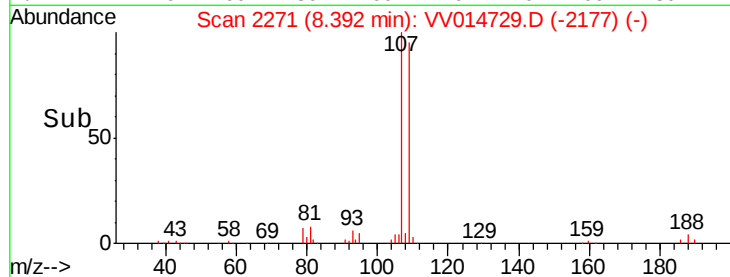
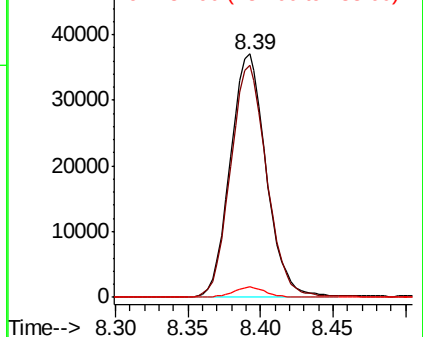


Abundance

Ion 106.95 (106.65 to 107.65): V

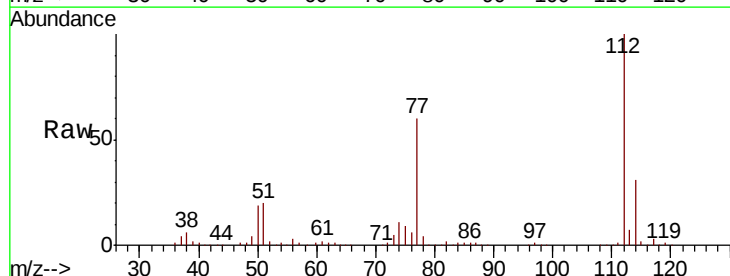
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.869 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014729.D
Acq: 04 Mar 2020 09:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	23.2	43.2
77	59.5	49.0	73.6

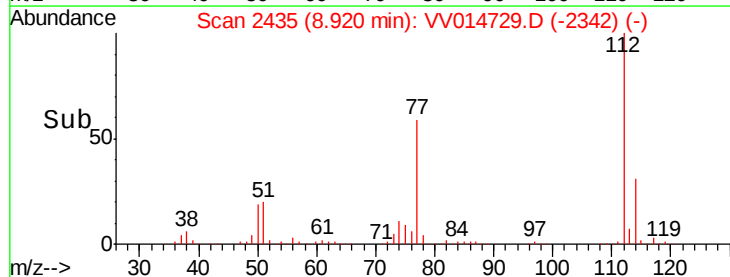
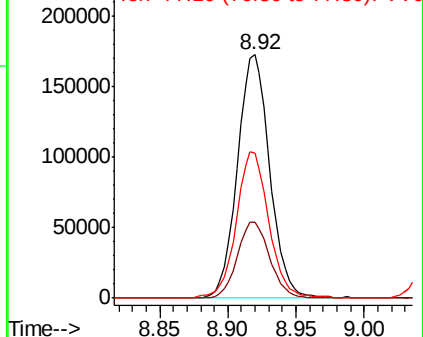


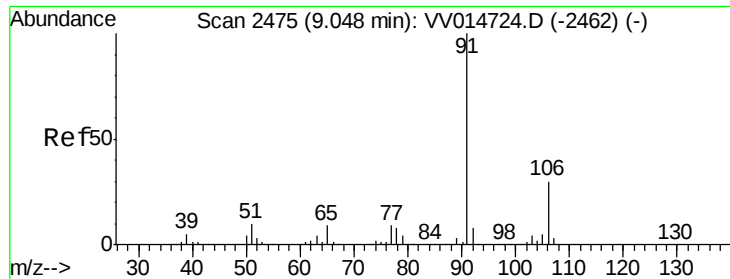
Abundance

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: 4.807 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

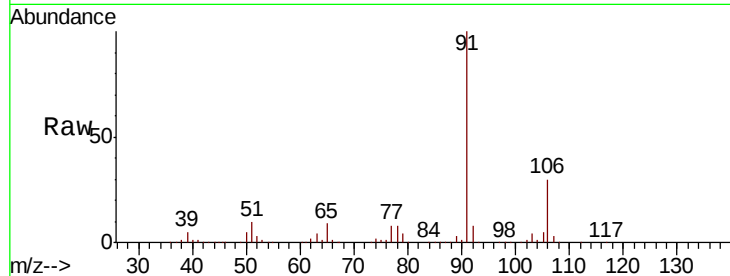
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 502101

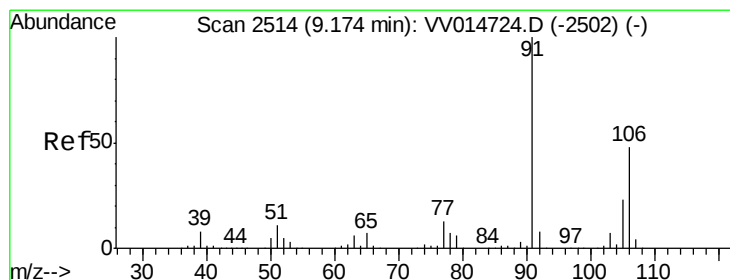
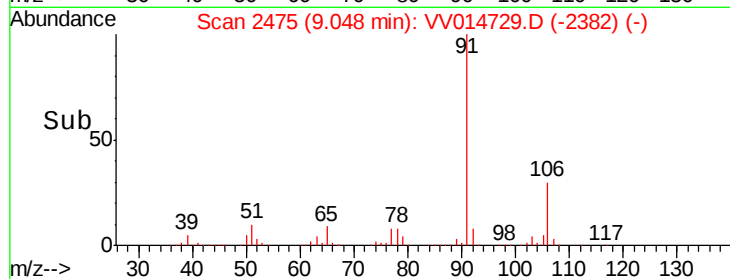
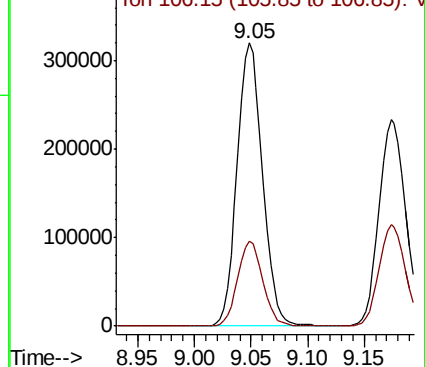
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV014729.D (-2382) (-)



#53

m,p-xylene

Concen: 4.876 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VV014729.D

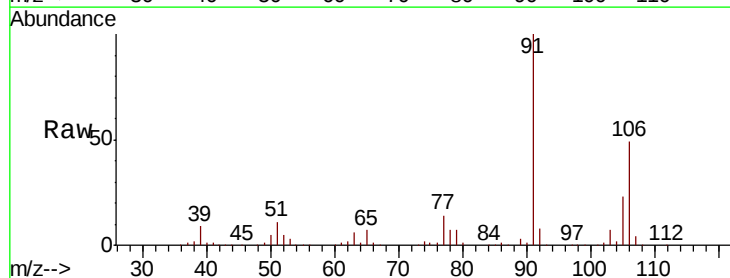
Acq: 04 Mar 2020 09:57

Tgt Ion: 106 Resp: 186453

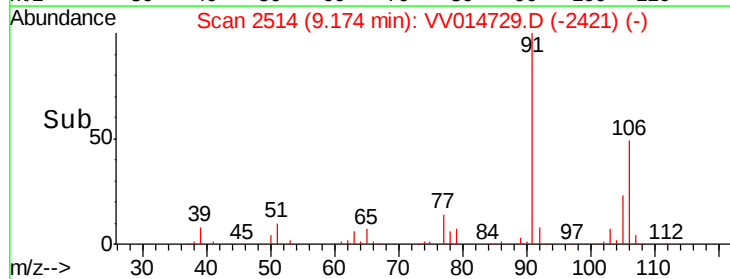
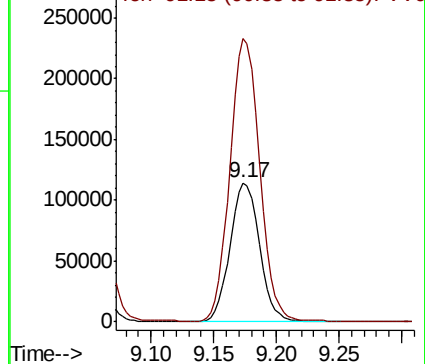
Ion Ratio Lower Upper

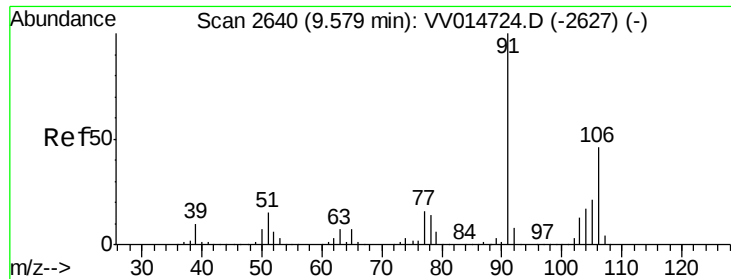
106 100

91 203.3 142.5 264.6



Abundance Ion 106.15 (105.85 to 106.85): VV014729.D (-2421) (-)





#54

o-xylene

Concen: 4.943 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

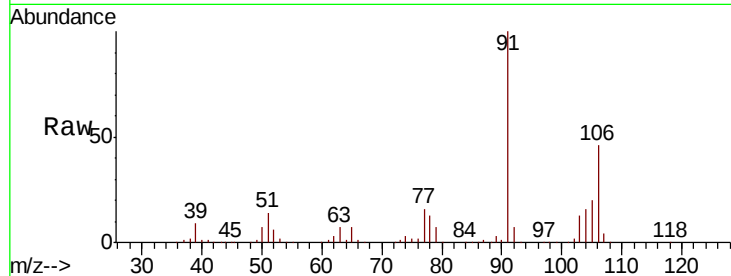
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 183994

Ion Ratio Lower Upper

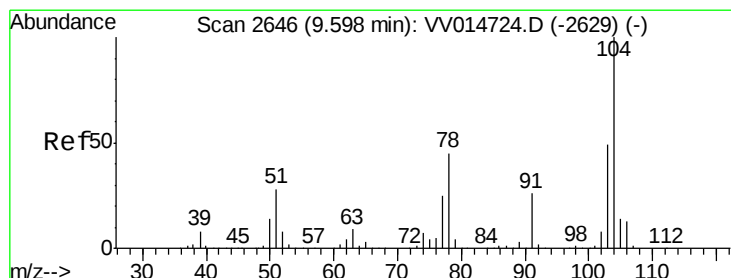
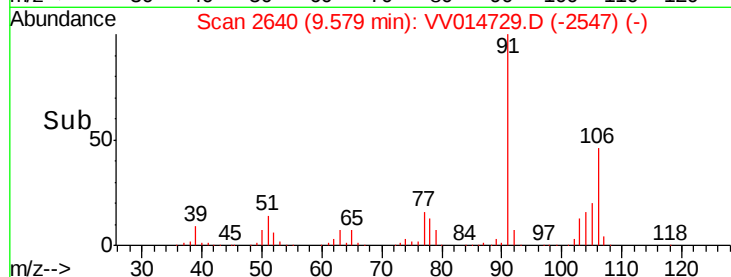
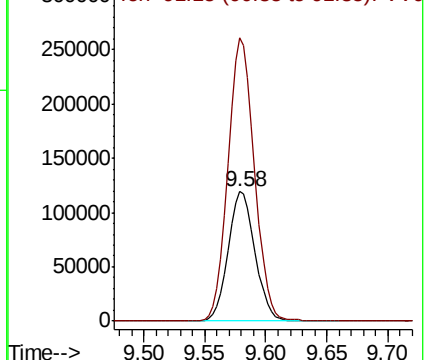
106 100

91 218.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.953 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014729.D

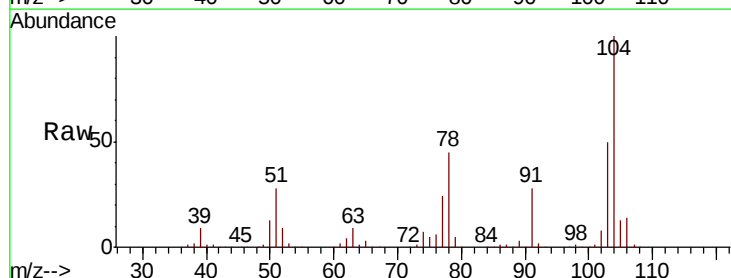
Acq: 04 Mar 2020 09:57

Tgt Ion:104 Resp: 309741

Ion Ratio Lower Upper

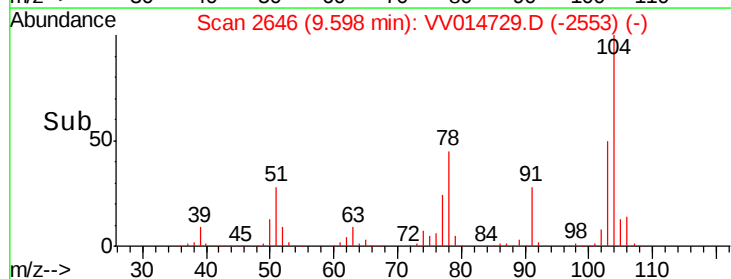
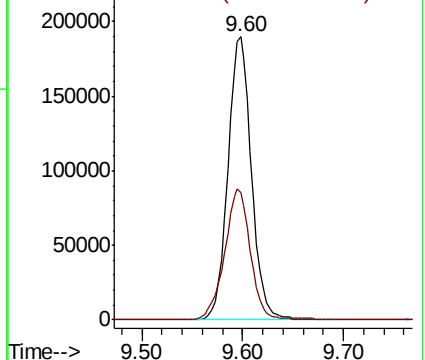
104 100

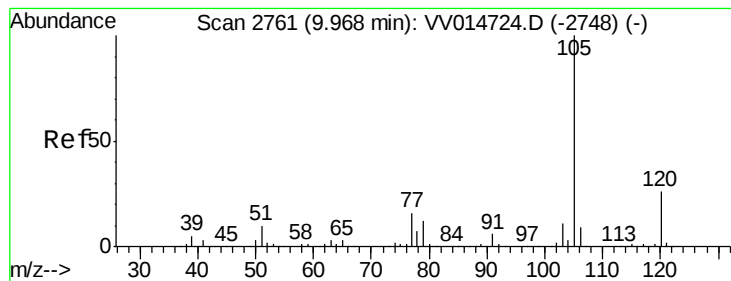
78 45.1 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.865 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

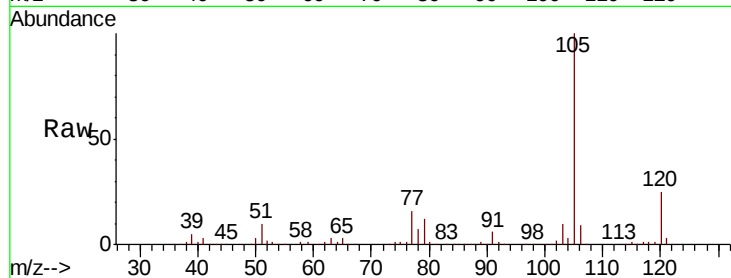
Tot Ion:105 Resp: 489244

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

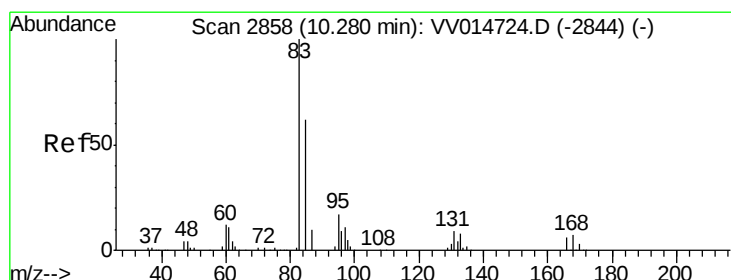
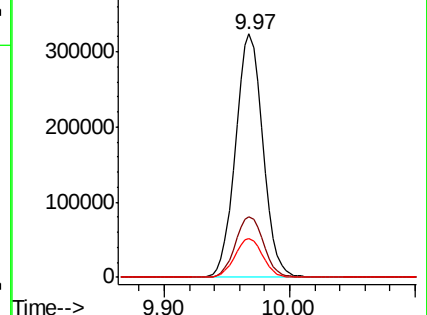
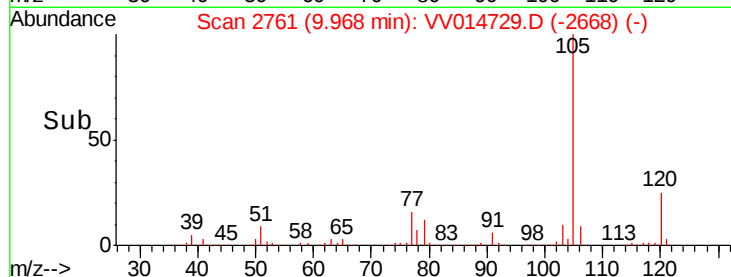
77 16.2 12.6 18.8



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: 4.902 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

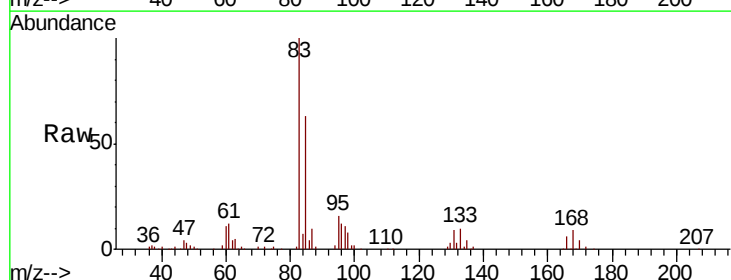
Tgt Ion: 83 Resp: 86970

Ion Ratio Lower Upper

83 100

85 63.2 46.1 85.7

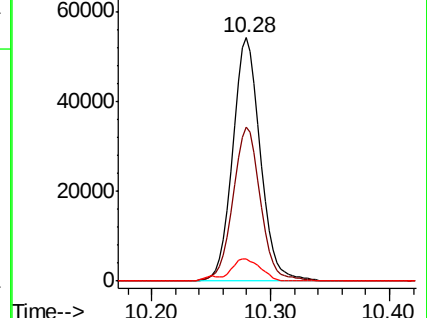
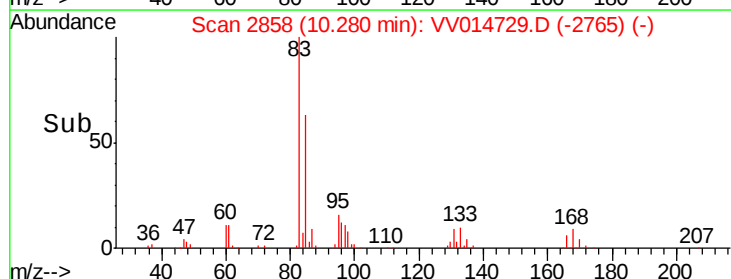
131 9.1 7.4 11.2

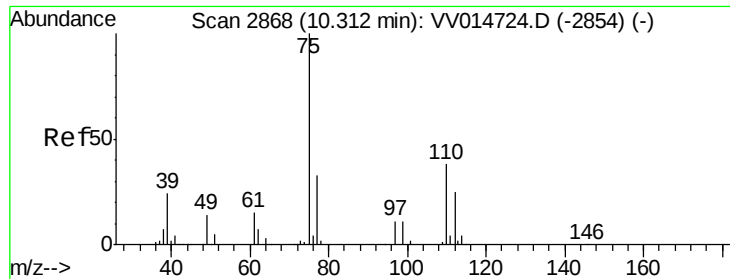


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.863 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

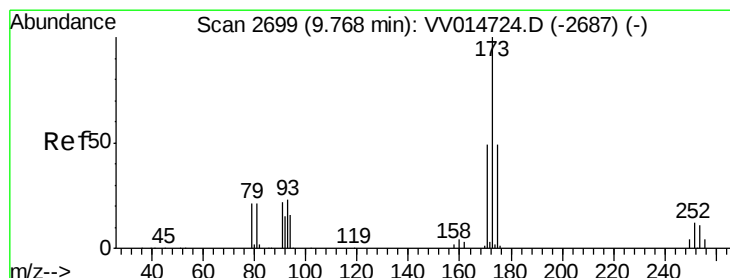
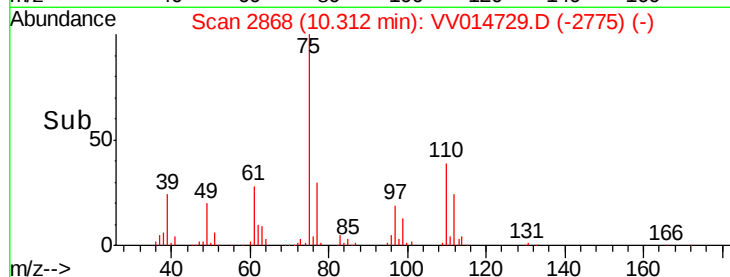
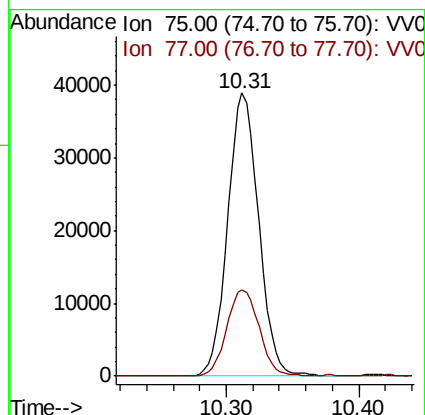
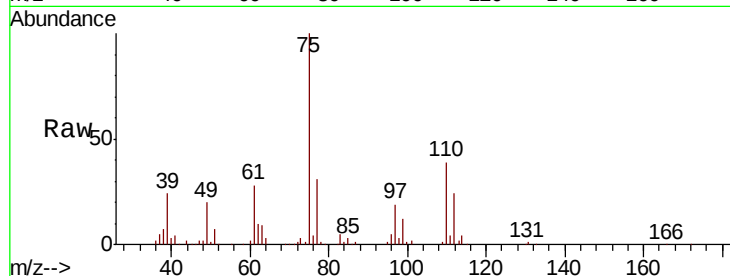
ClientSampled :

Tot Ion: 75 Resp: 63120

Ion Ratio Lower Upper

75 100

77 32.0 26.3 39.5



#61

Bromoform

Concen: 5.607 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

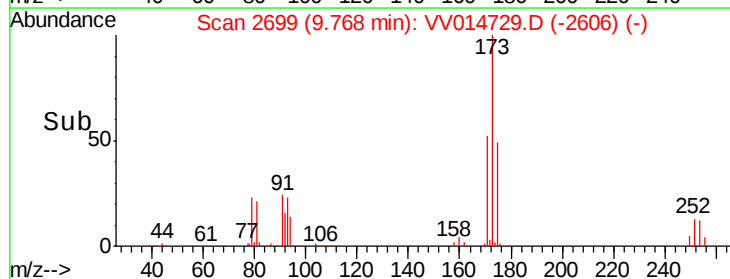
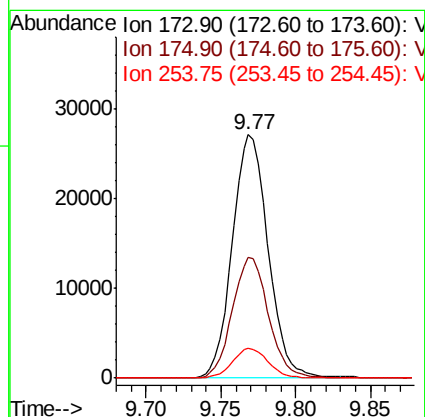
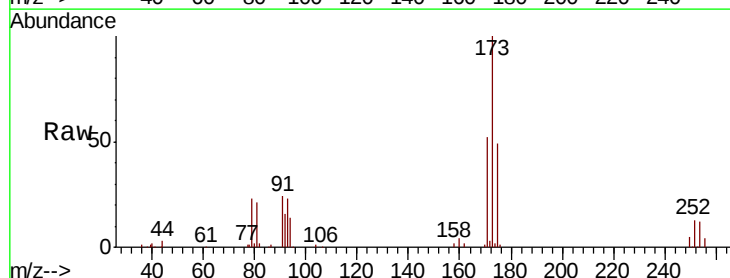
Tgt Ion: 173 Resp: 45426

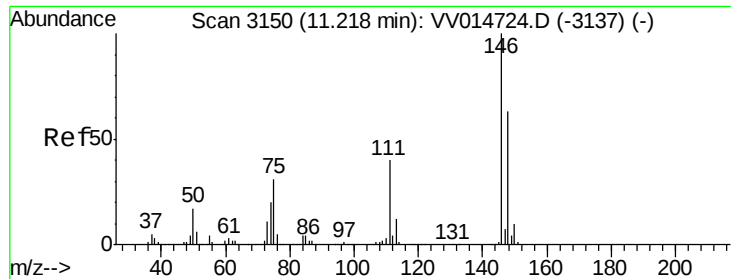
Ion Ratio Lower Upper

173 100

175 49.9 38.6 57.8

254 12.1 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.885 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

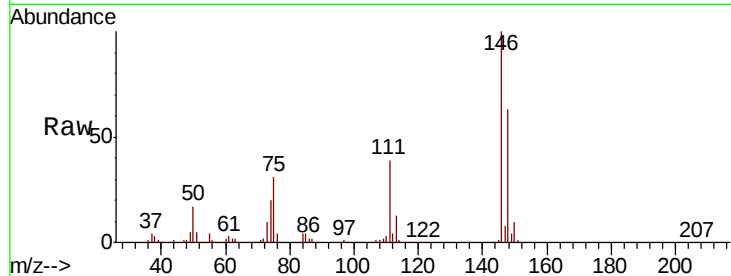
Tot Ion:146 Resp: 229956

Ion Ratio Lower Upper

146 100

111 38.6 28.2 52.4

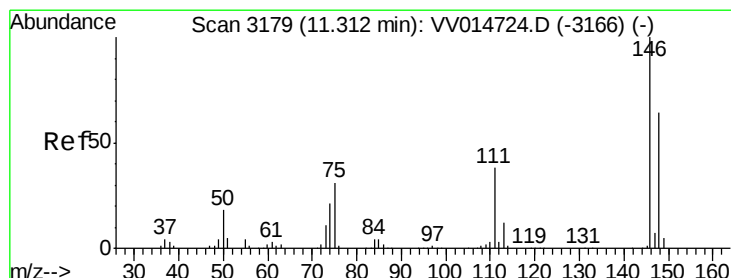
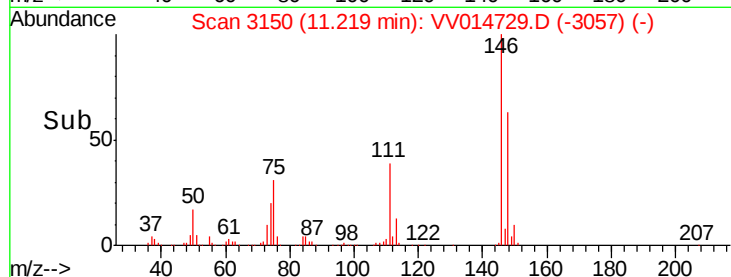
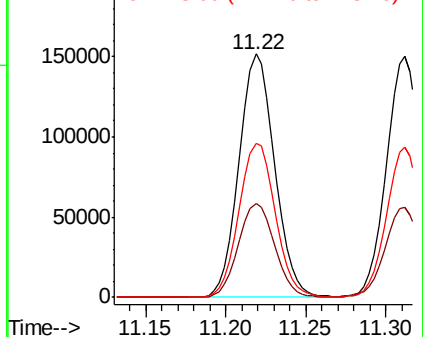
148 63.5 43.9 81.5



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: 4.826 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

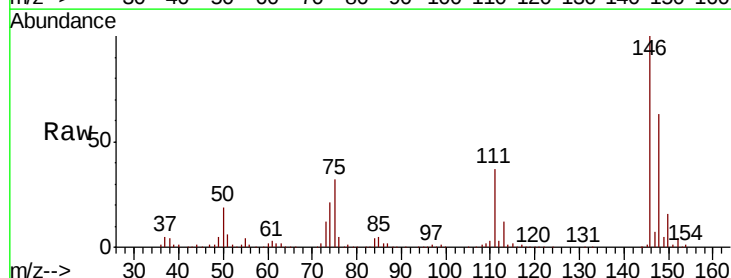
Tgt Ion:146 Resp: 232096

Ion Ratio Lower Upper

146 100

111 37.2 26.9 49.9

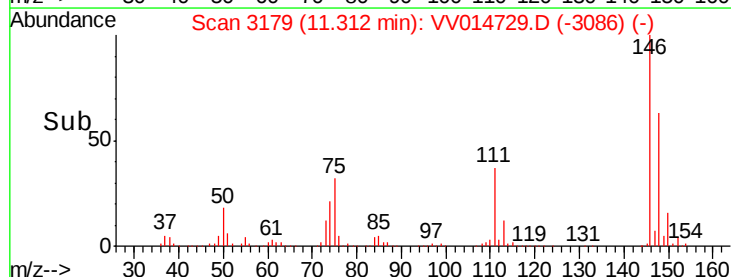
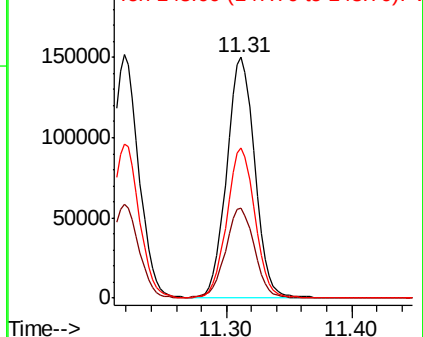
148 62.6 43.8 81.4

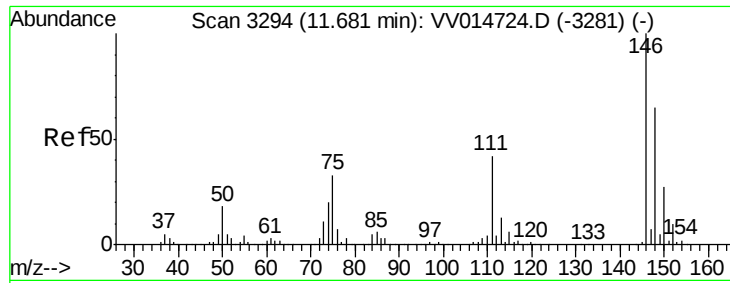


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.846 ug/L

RT: 11.68 min Scan# 3294

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

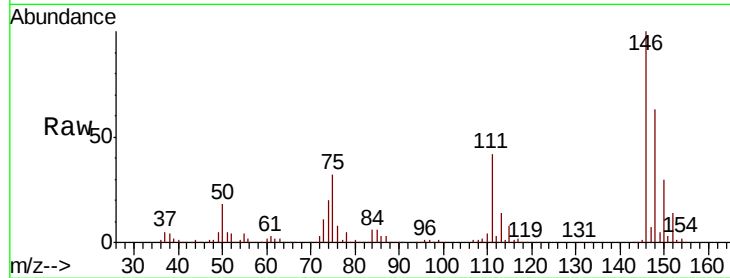
Tot Ion:146 Resp: 210706

Ion Ratio Lower Upper

146 100

111 42.0 31.8 47.8

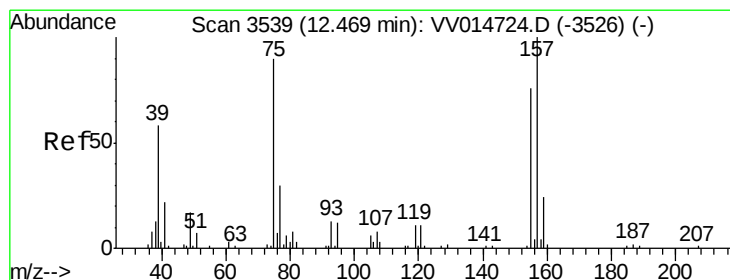
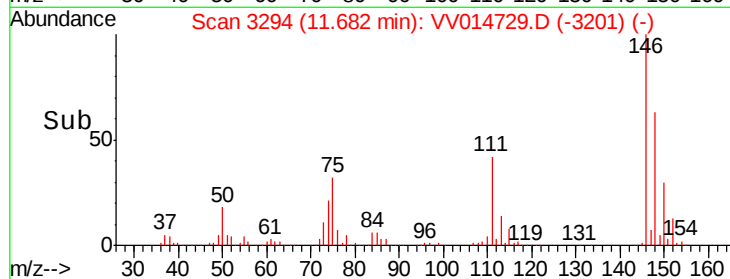
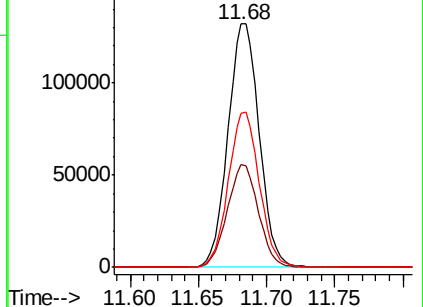
148 63.1 49.8 74.6



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: 4.837 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

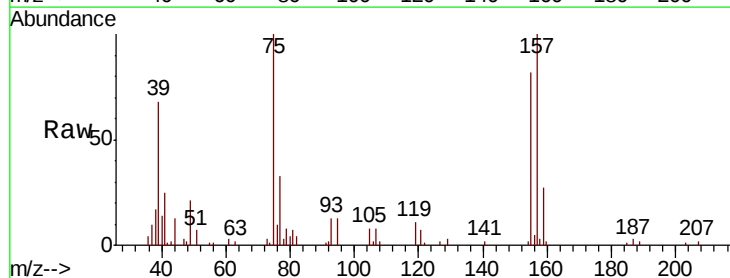
Tgt Ion: 75 Resp: 13920

Ion Ratio Lower Upper

75 100

155 81.9 68.3 102.5

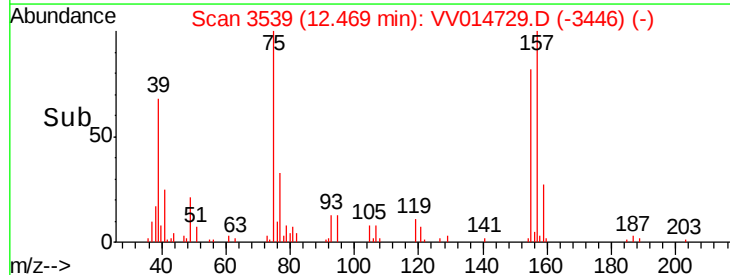
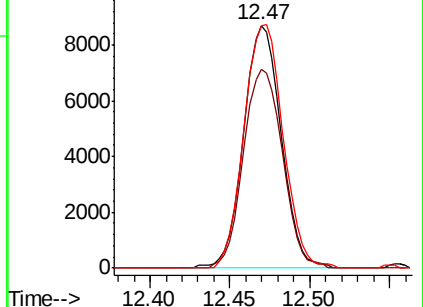
157 99.9 84.7 127.1

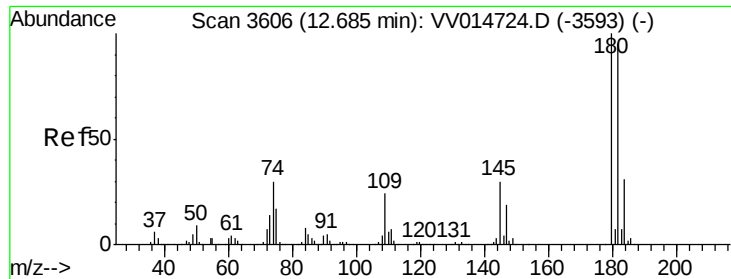


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

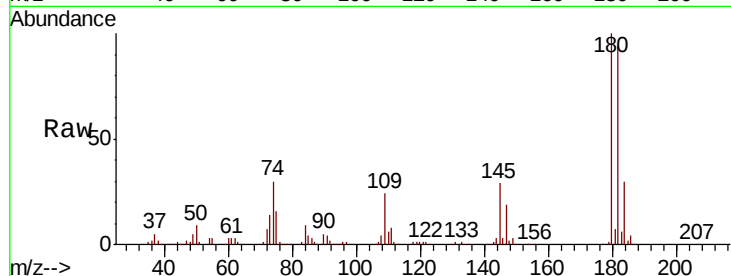




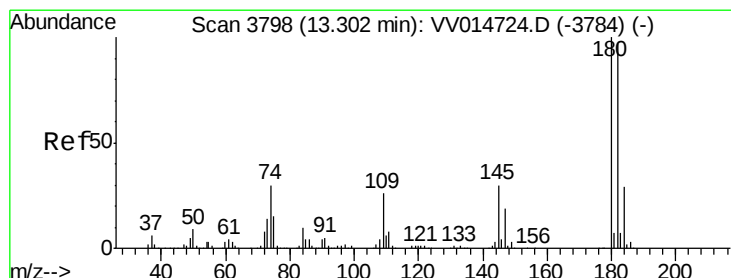
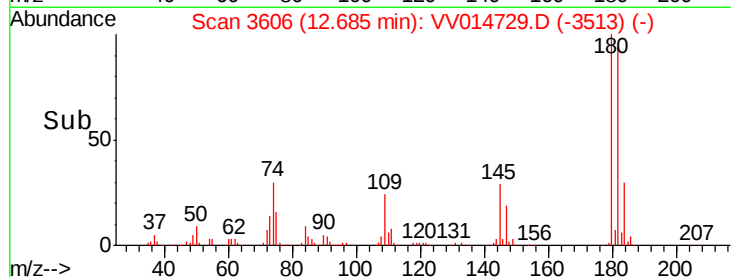
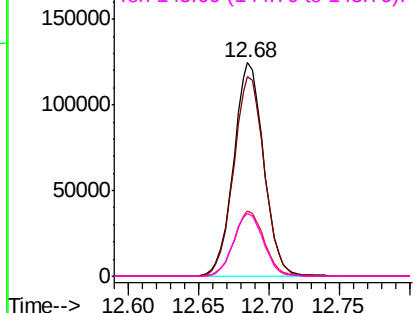
#67
 1,3,5-Trichlorobenzene
 Concen: 4.875 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014729.D
 Acq: 04 Mar 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	186205
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.2	115.8
184	30.7	24.2	36.2
145	29.4	22.9	34.3

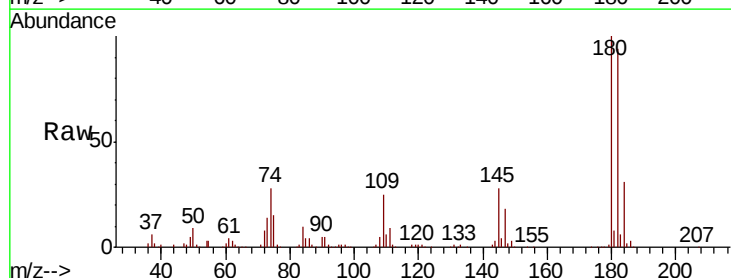


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

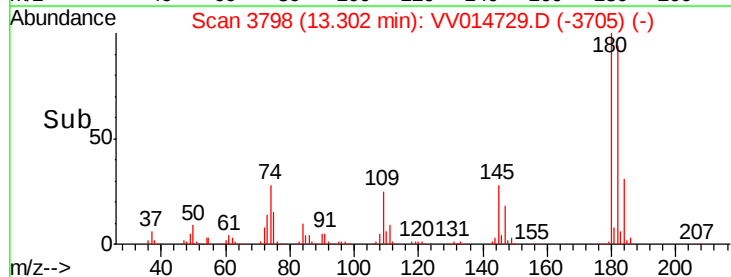
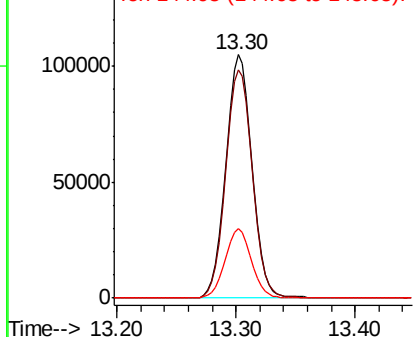


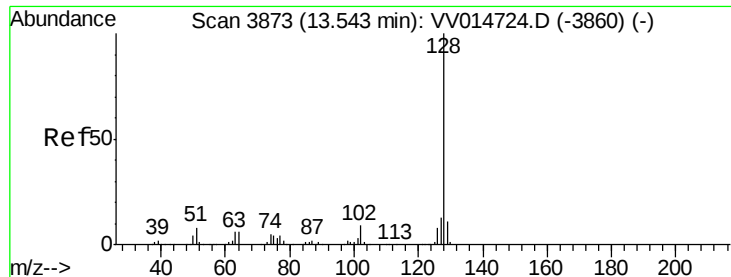
#68
 1,2,4-trichlorobenzene
 Concen: 4.884 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014729.D
 Acq: 04 Mar 2020 09:57

Tgt Ion:	180	Resp:	160212
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.4	116.2
145	28.6	24.2	36.2



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: 4.733 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

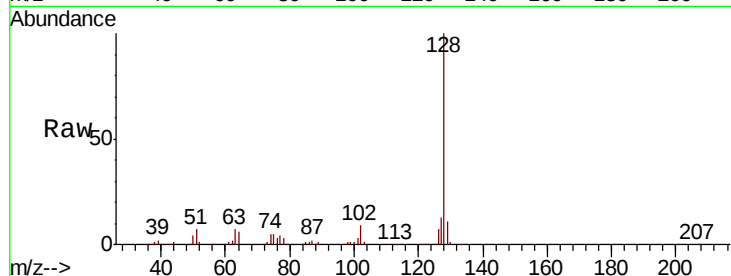
Tot Ion:128 Resp: 252751

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

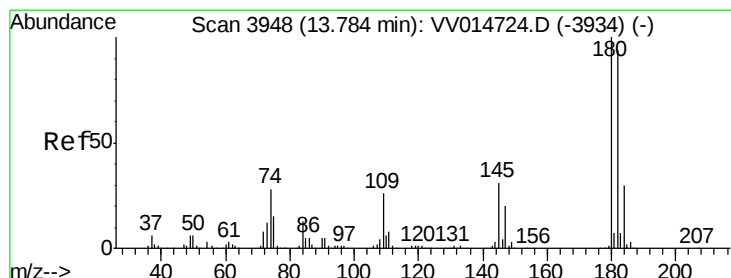
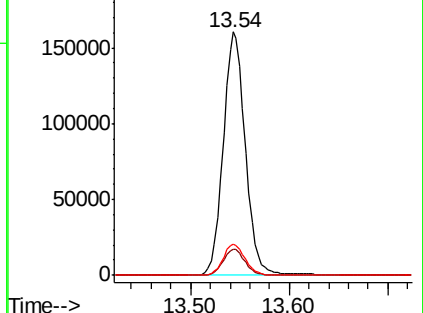
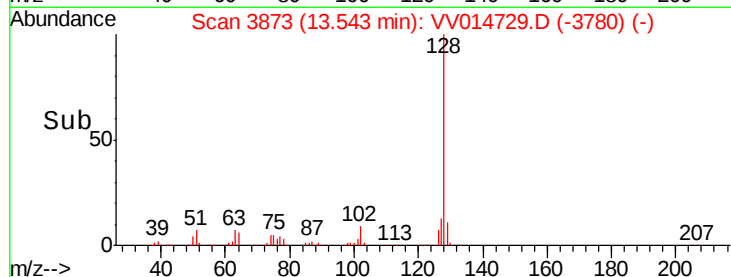
127 12.8 10.7 16.1



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: 4.970 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014729.D

Acq: 04 Mar 2020 09:57

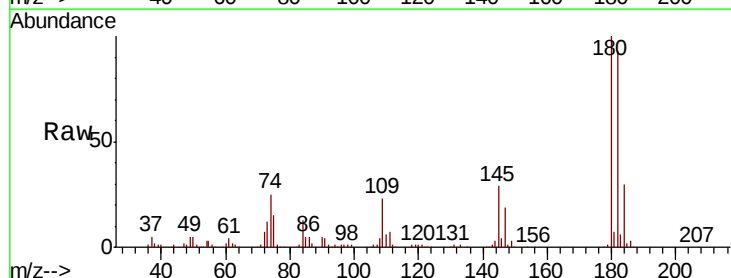
Tgt Ion:180 Resp: 145475

Ion Ratio Lower Upper

180 100

182 93.8 76.7 115.1

145 30.2 25.3 37.9



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

