

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042120\
 Data File : VV015592.D
 Acq On : 21 Apr 2020 10:05
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 22 00:05:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	149753	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	141698	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	72617	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38094	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.57	69	34821	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.12	63	79896	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	3.94	46	111608	51.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.32%
24) Chloroform-d	4.37	84	85361	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	45629	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	155735	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.09	67	48317	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.33	98	150429	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.64	79	19438	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.11	63	92336	44.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	35484	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	55296	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	66765	4.504	ug/L 100
3) Chloromethane	1.24	50	57936	4.104	ug/L 97
5) Vinyl chloride	1.32	62	59692	4.391	ug/L 100
6) Bromomethane	1.53	94	29820	3.970	ug/L 100
8) Chloroethane	1.59	64	36526	4.634	ug/L 99
9) Trichlorofluoromethane	1.76	101	84995	4.888	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	47294	4.815	ug/L 99
12) 1,1-Dichloroethene	2.13	96	43502	4.628	ug/L 96
13) Acetone	2.23	43	89826	58.275	ug/L # 53
14) Carbon disulfide	2.30	76	124868	3.810	ug/L 100
15) Methyl Acetate	2.46	43	19487	4.273	ug/L 94
16) Methylene chloride	2.52	84	50742	4.608	ug/L 95
17) Methyl tert-butyl Ether	2.79	73	120324	4.789	ug/L 98
18) trans-1,2-Dichloroethene	2.77	96	49435	4.667	ug/L 98
19) 1,1-Dichloroethane	3.21	63	96595	4.837	ug/L 97
21) 2-Butanone	4.02	43	138446	55.581	ug/L # 73
22) cis-1,2-Dichloroethene	3.93	96	52705	4.792	ug/L 95

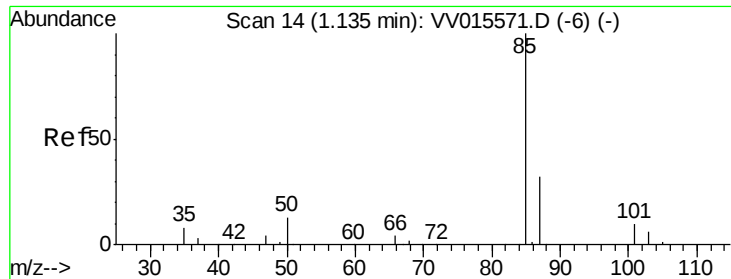
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042120\
 Data File : VV015592.D
 Acq On : 21 Apr 2020 10:05
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 22 00:05:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	22592	4.937	ug/L	93
25) Chloroform	4.40	83	99338	4.861	ug/L	96
27) 1,2-Dichloroethane	5.15	62	64324	4.868	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	90028	4.897	ug/L	99
30) Cyclohexane	4.70	56	86910	4.453	ug/L	99
31) Carbon tetrachloride	4.85	117	76024	4.751	ug/L	100
33) Benzene	5.12	78	202743	4.781	ug/L	100
34) Trichloroethene	5.93	95	55542	4.866	ug/L	98
35) Methylcyclohexane	6.15	83	88436	4.598	ug/L	99
37) 1,2-Dichloropropane	6.20	63	50754	4.825	ug/L	99
38) Bromodichloromethane	6.53	83	65276	4.654	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	72613	4.498	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	331778	48.035	ug/L	100
42) Toluene	7.41	91	218697	4.750	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	59839	4.384	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	34458	4.873	ug/L	96
47) Tetrachloroethene	7.99	164	40840	4.829	ug/L	97
48) 2-Hexanone	8.16	43	239052	49.535	ug/L	99
49) Dibromochloromethane	8.27	129	37417	4.418	ug/L	100
50) 1,2-Dibromoethane	8.37	107	32617	4.813	ug/L	98
51) Chlorobenzene	8.90	112	138067	4.704	ug/L	99
52) Ethylbenzene	9.03	91	248168	4.682	ug/L	100
53) m,p-xylene	9.16	106	93530	4.673	ug/L	100
54) o-xylene	9.56	106	90212	4.656	ug/L	97
55) Styrene	9.58	104	154254	4.737	ug/L	97
56) Isopropylbenzene	9.95	105	251852	4.741	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	40395	4.694	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	32034	4.925	ug/L	97
61) Bromoform	9.75	173	16143	3.790	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	114018	4.870	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	112963	4.741	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	101610	4.760	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	7331	4.488	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	84159	4.975	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	75895	4.980	ug/L	98
69) Naphthalene	13.53	128	129603	4.514	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	65995	4.902	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.504 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

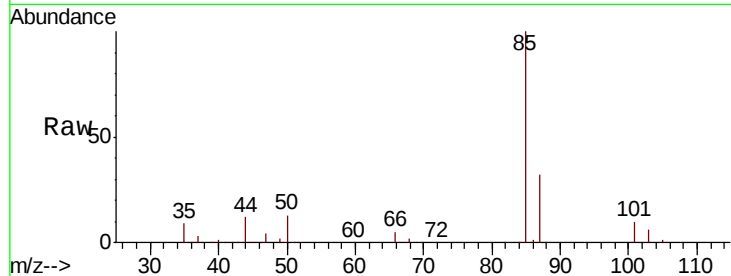
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 66765

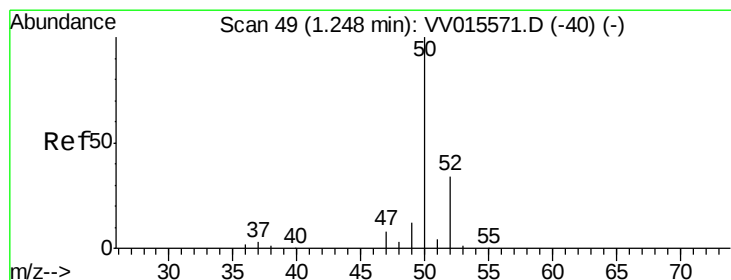
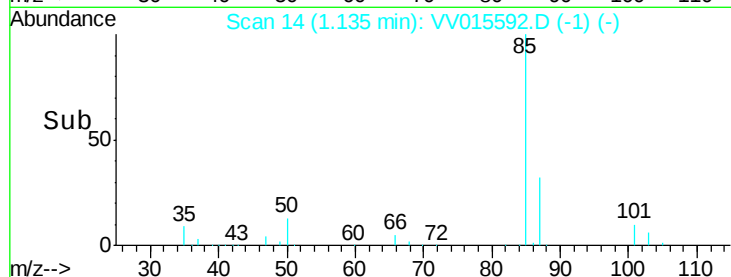
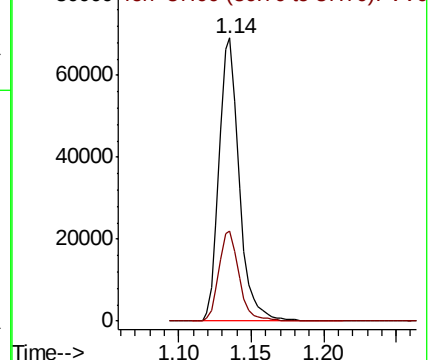
Ion Ratio Lower Upper

85 100

87 31.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.104 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015592.D

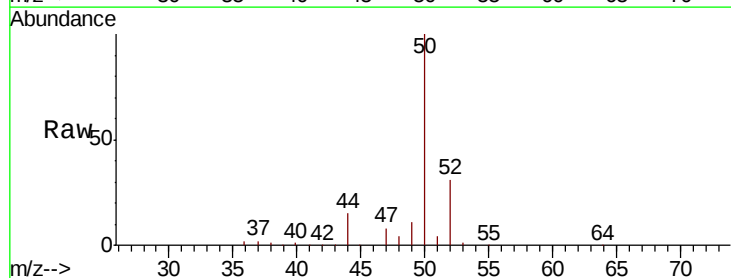
Acq: 21 Apr 2020 10:05

Tgt Ion: 50 Resp: 57936

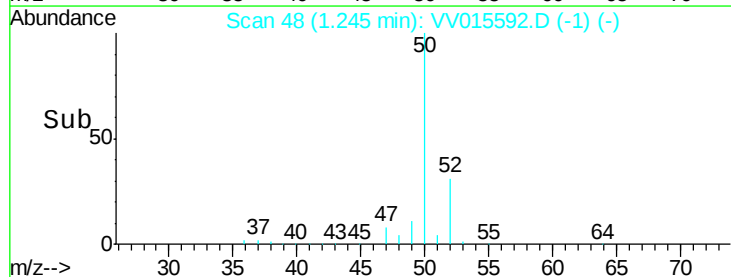
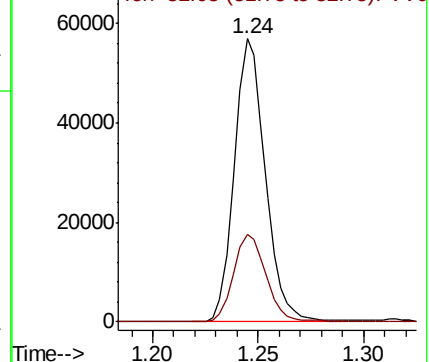
Ion Ratio Lower Upper

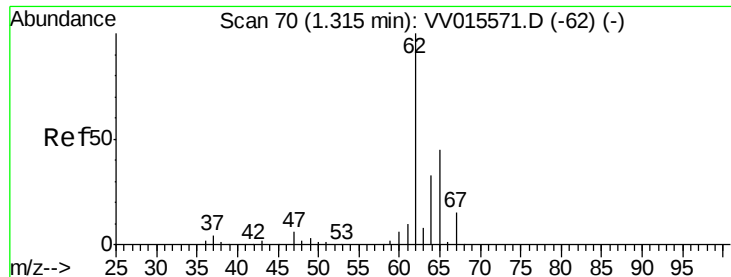
50 100

52 31.0 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.391 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

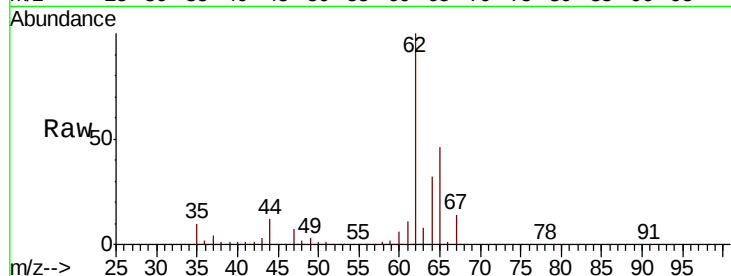
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 59692

Ion Ratio Lower Upper

62 100

64 32.3 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

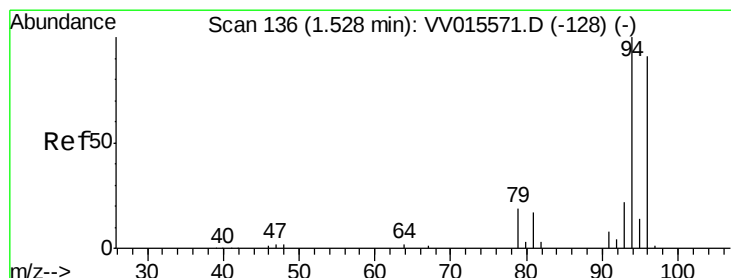
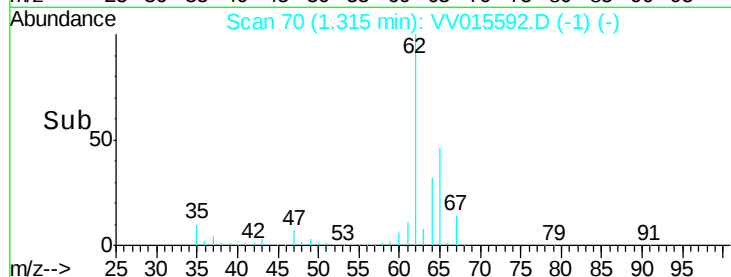
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 3.970 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015592.D

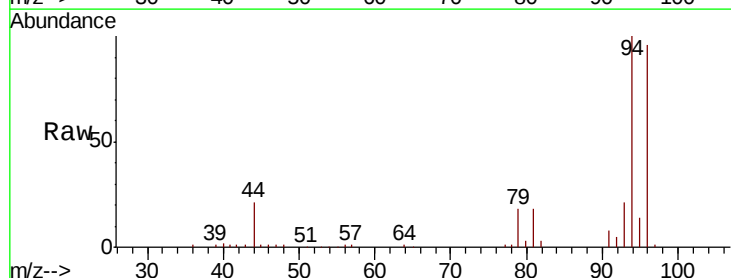
Acq: 21 Apr 2020 10:05

Tgt Ion: 94 Resp: 29820

Ion Ratio Lower Upper

94 100

96 96.1 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

25000

20000

15000

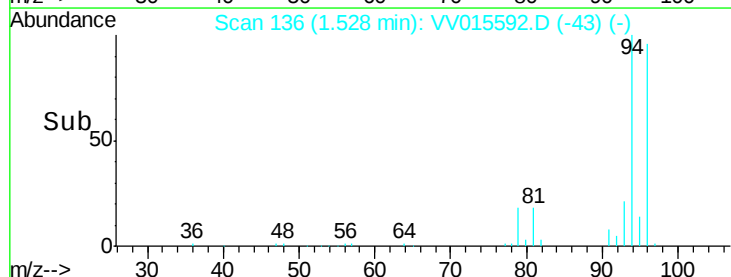
10000

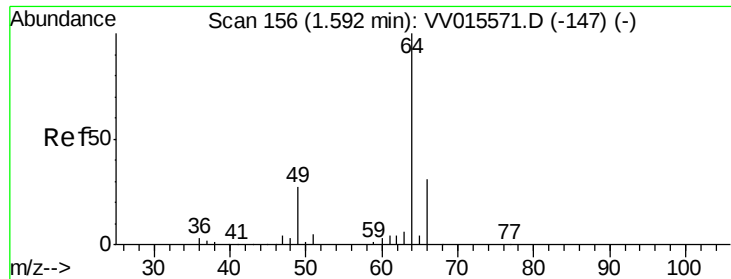
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 4.634 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

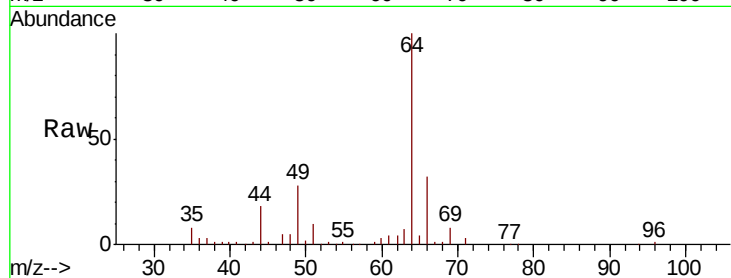
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 36526

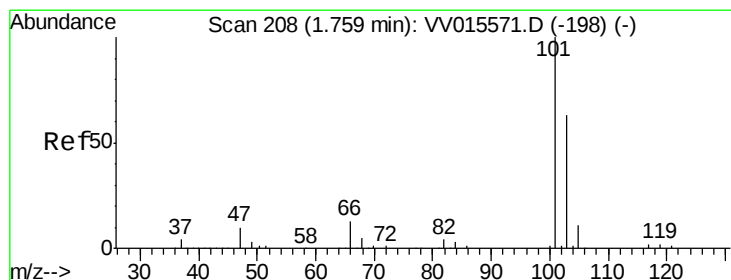
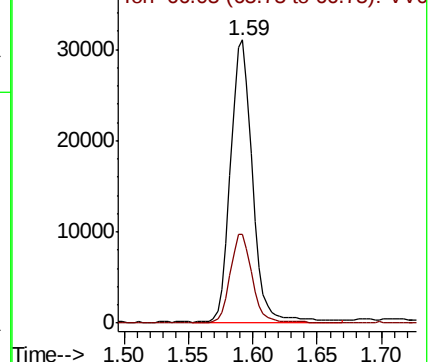
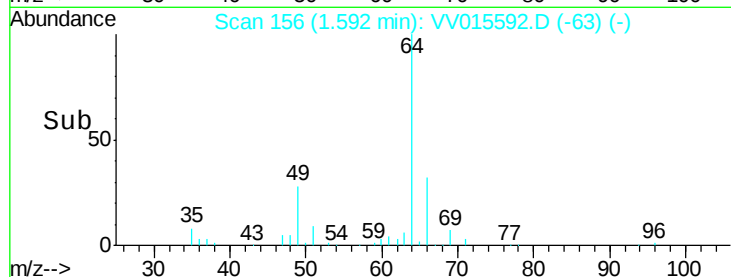
Ion Ratio Lower Upper

64 100

66 31.5 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015592.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 4.888 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015592.D

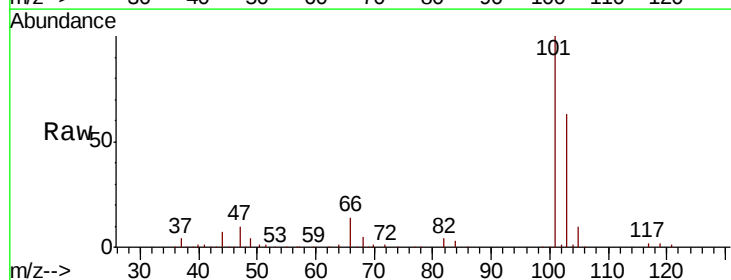
Acq: 21 Apr 2020 10:05

Tgt Ion:101 Resp: 84995

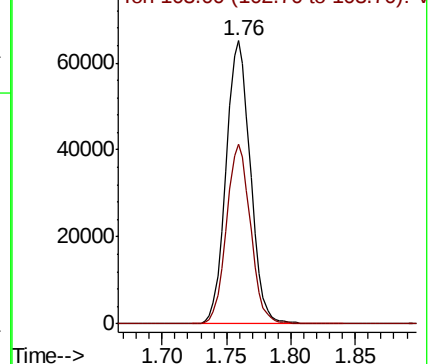
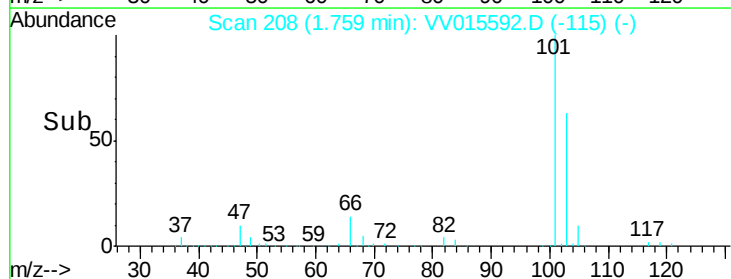
Ion Ratio Lower Upper

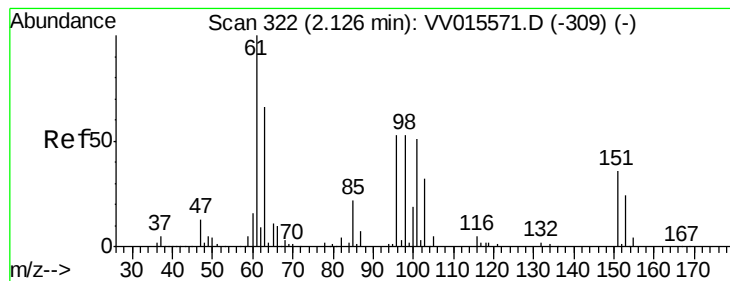
101 100

103 62.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015592.D (-115) (-)





#10

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

Concen: 4.815 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

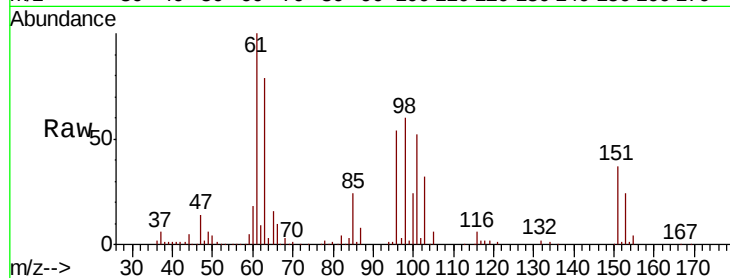
Tot Ion:101 Resp: 47294

Ion Ratio Lower Upper

101 100

85 45.8 36.3 54.5

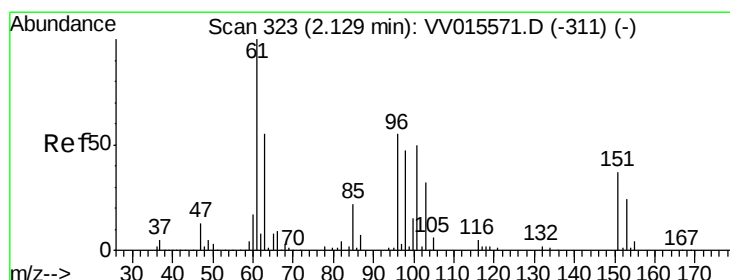
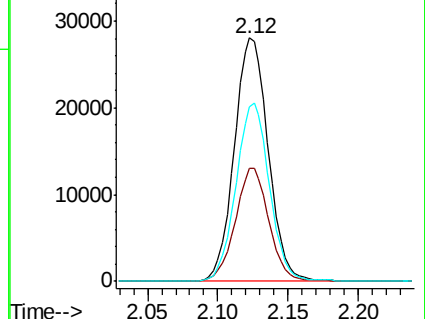
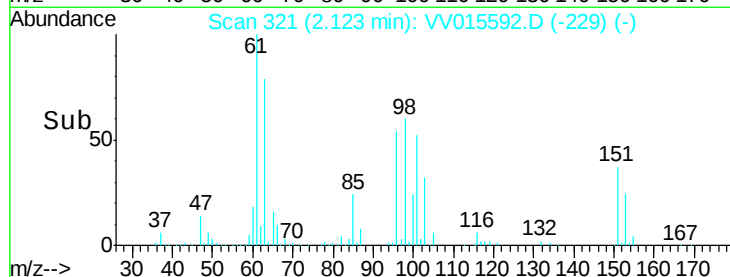
151 72.1 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015592.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015592.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015592.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 4.628 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

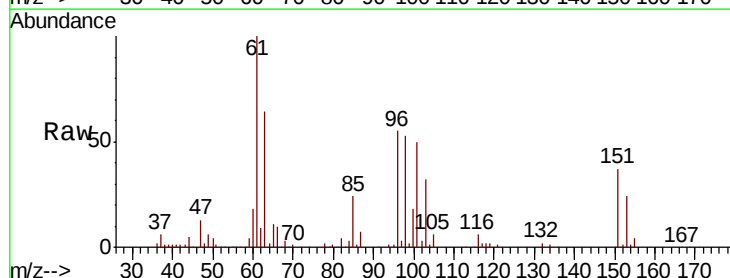
Tgt Ion: 96 Resp: 43502

Ion Ratio Lower Upper

96 100

61 180.7 127.7 237.1

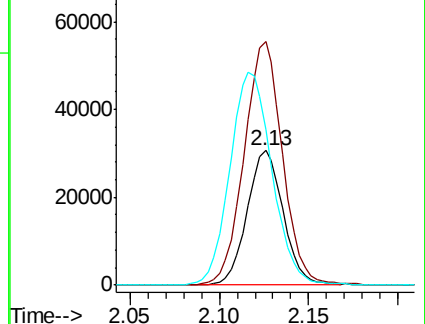
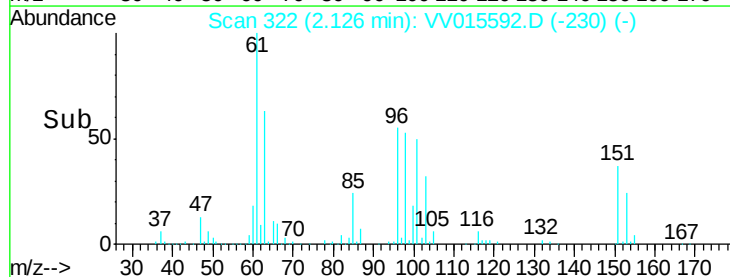
63 115.1 75.1 139.5

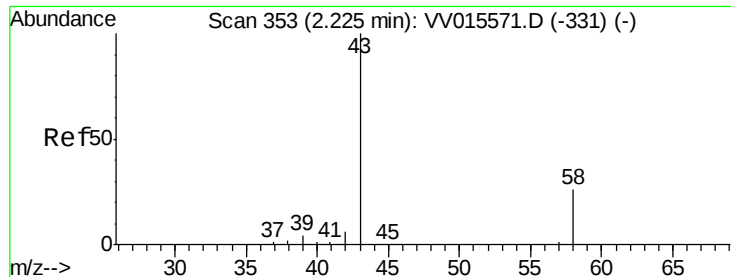


Abundance Ion 96.00 (95.70 to 96.70): VV015592.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV015592.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015592.D (-230) (-)





#13

Acetone

Concen: 58.275 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

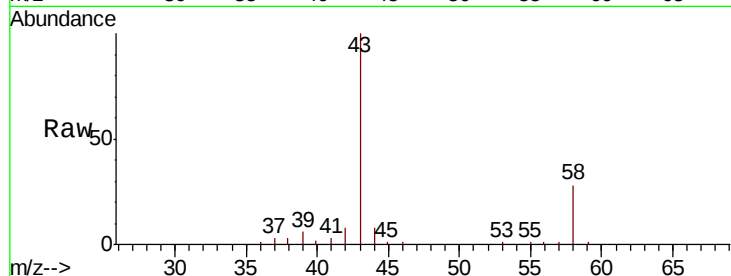
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 89826

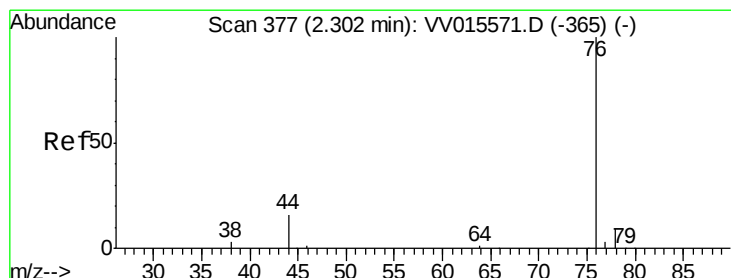
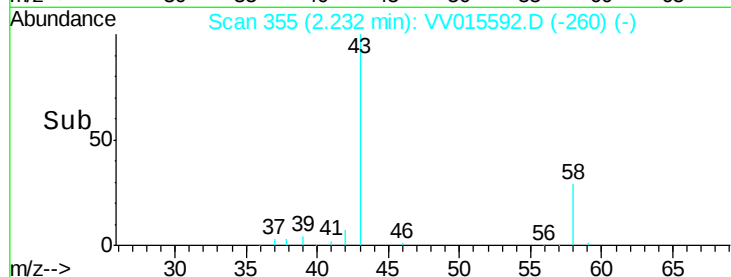
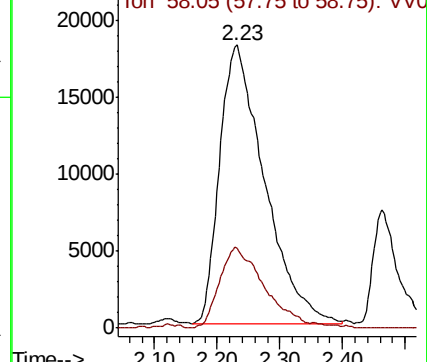
Ion Ratio Lower Upper

43 100

58 29.0 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015571.D (-331) (-)



#14

Carbon disulfide

Concen: 3.810 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV015592.D

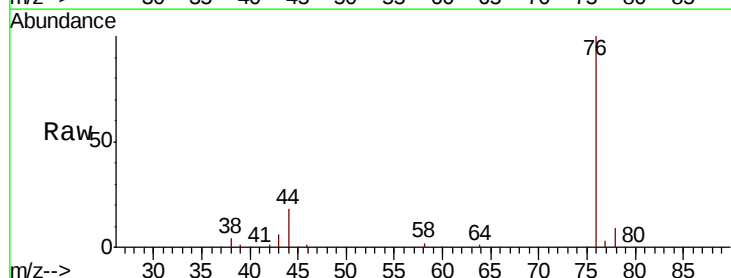
Acq: 21 Apr 2020 10:05

Tgt Ion: 76 Resp: 124868

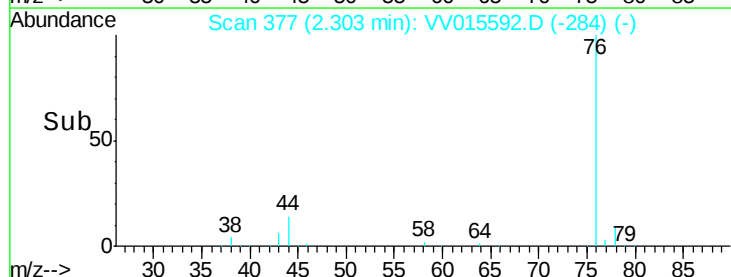
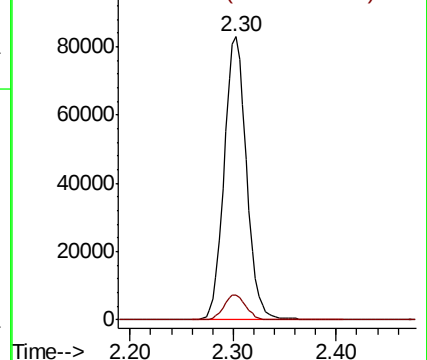
Ion Ratio Lower Upper

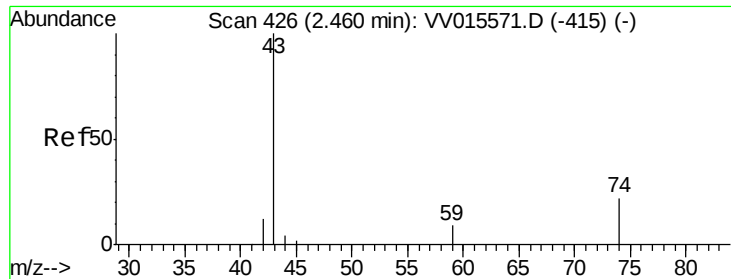
76 100

78 9.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015571.D (-365) (-)

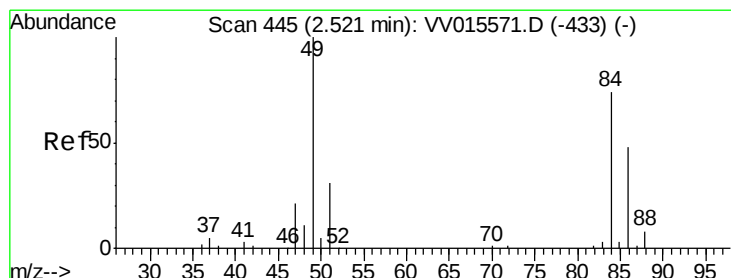
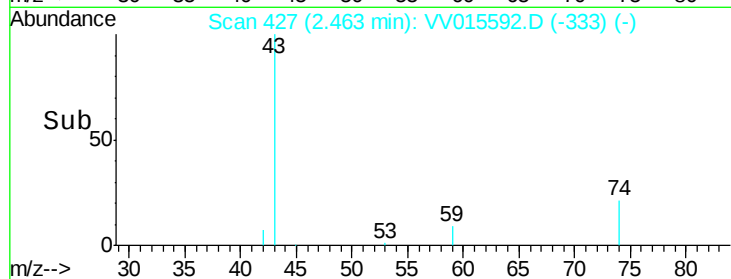
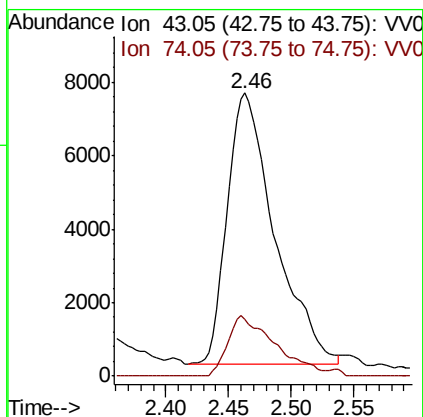
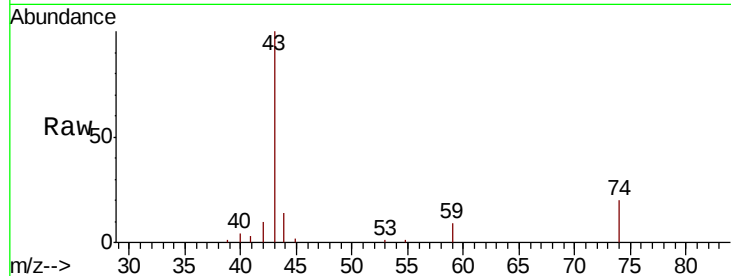




#15
Methyl Acetate
Concen: 4.273 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

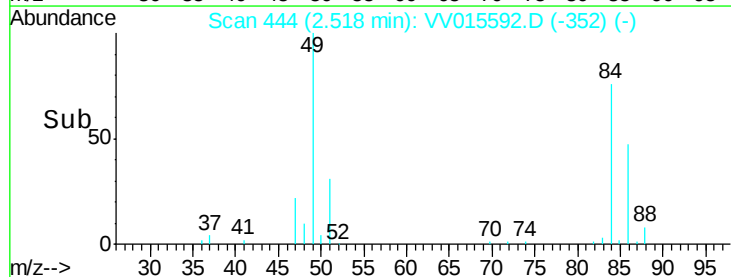
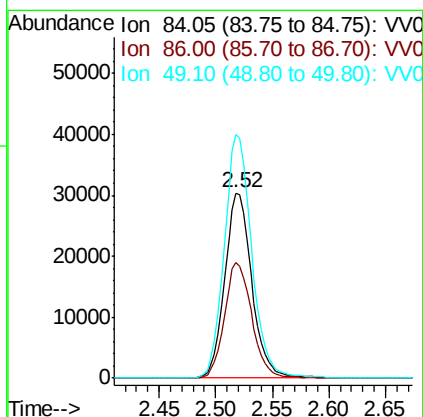
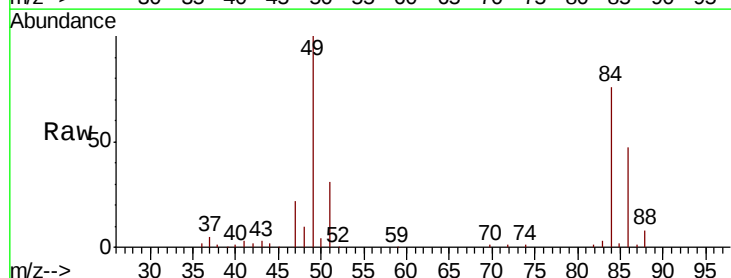
Instrument :
MSVOA_V
ClientSampleId :

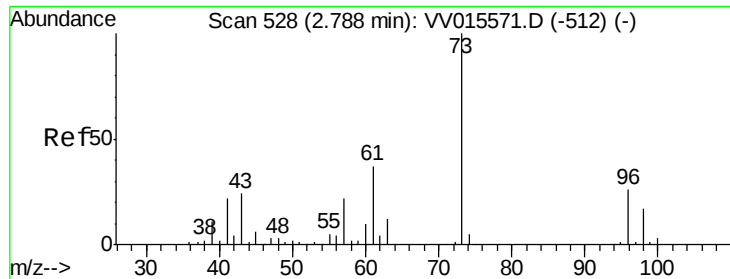
Tot Ion: 43 Resp: 19487
Ion Ratio Lower Upper
43 100
74 22.2 15.4 23.2



#16
Methylene chloride
Concen: 4.608 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion: 84 Resp: 50742
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.7
49 131.7 97.9 181.7

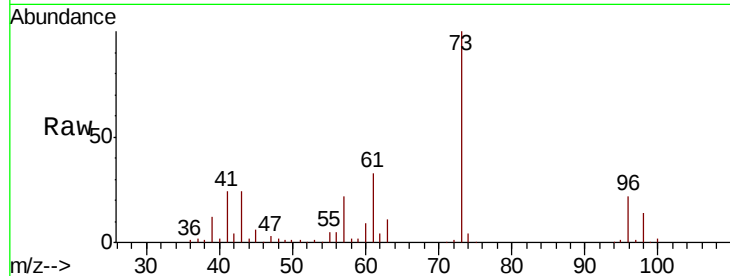




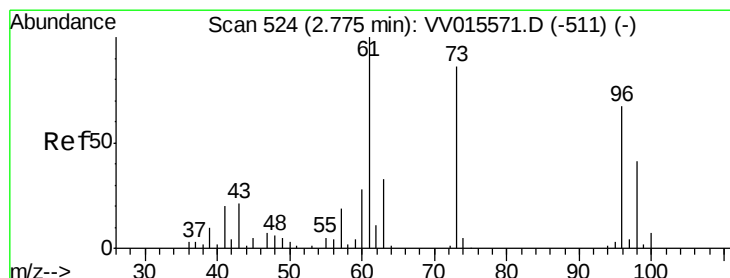
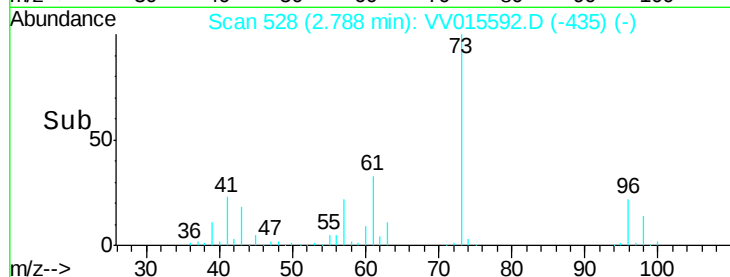
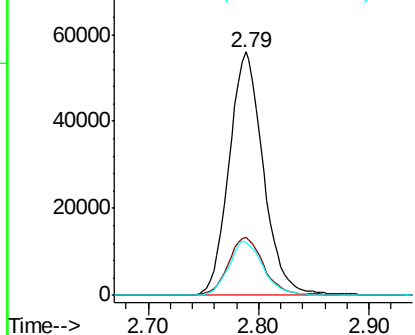
#17
Methvl tert-butvl Ether
Concen: 4.789 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 120324
Ion Ratio Lower Upper
73 100
43 24.0 18.3 27.5
57 22.5 18.4 27.6

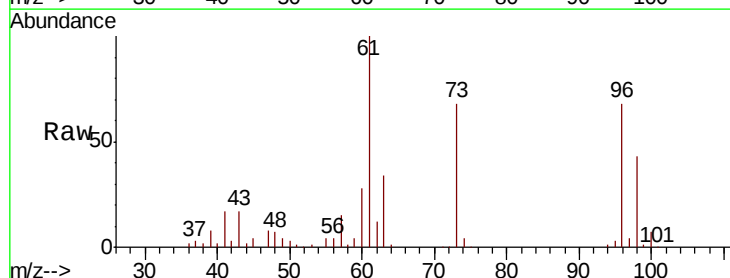


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

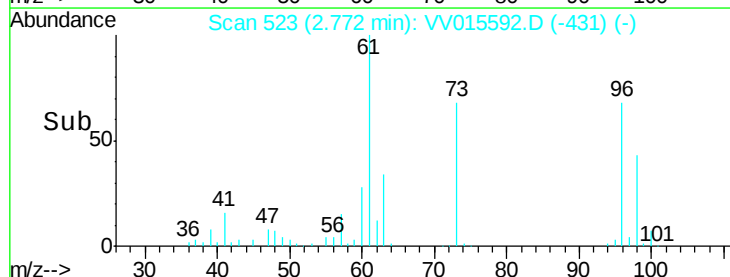
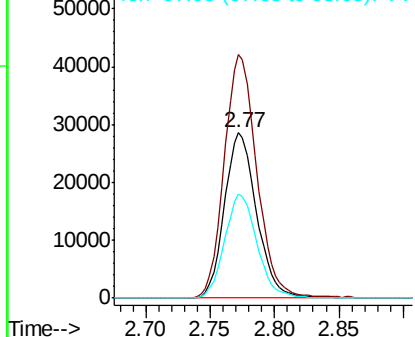


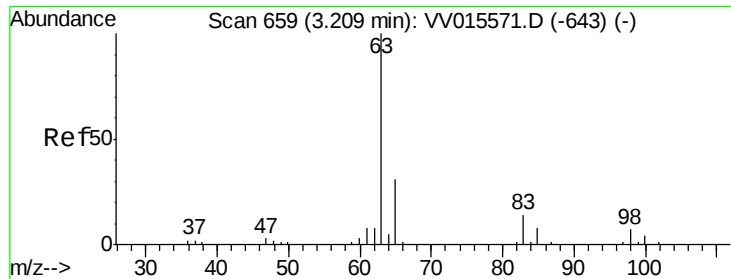
#18
trans-1,2-Dichloroethene
Concen: 4.667 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion: 96 Resp: 49435
Ion Ratio Lower Upper
96 100
61 147.5 104.4 194.0
98 62.9 42.8 79.4



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

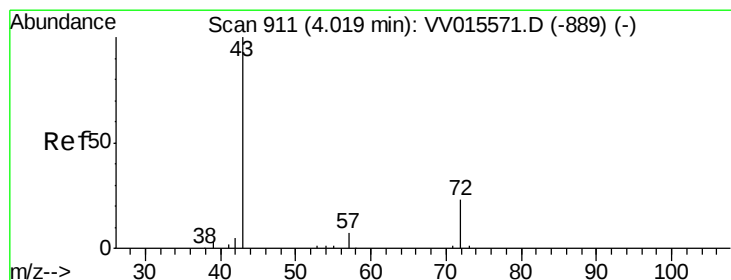
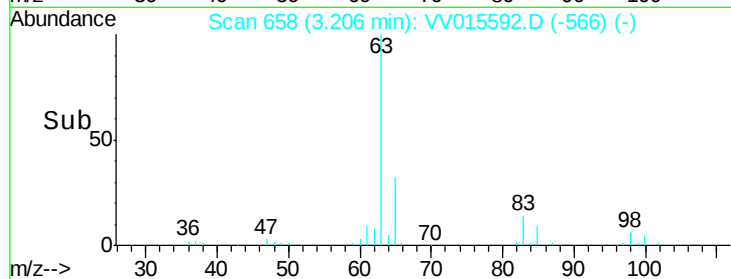
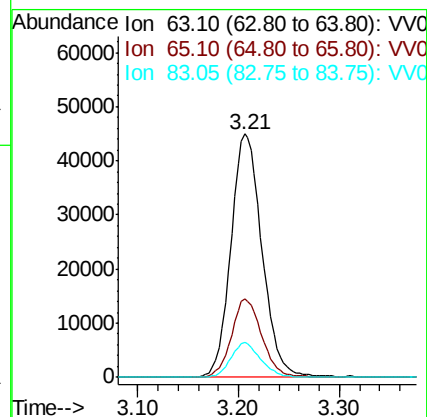
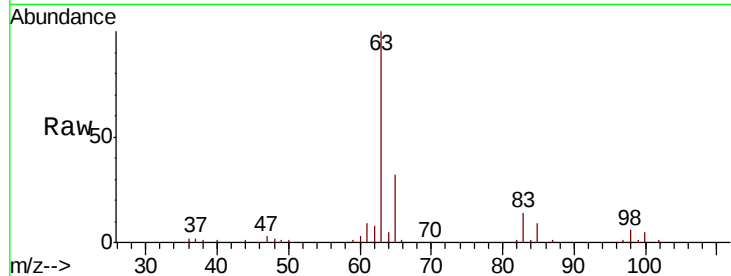




#19
 1,1-Dichloroethane
 Concen: 4.837 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

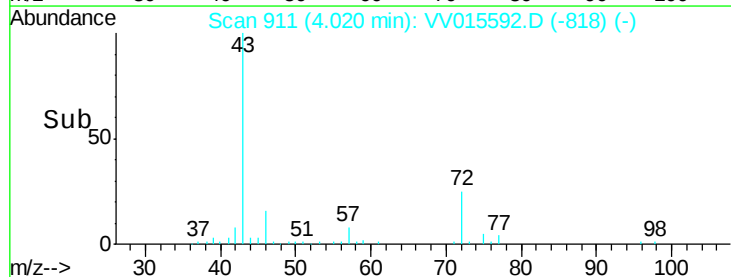
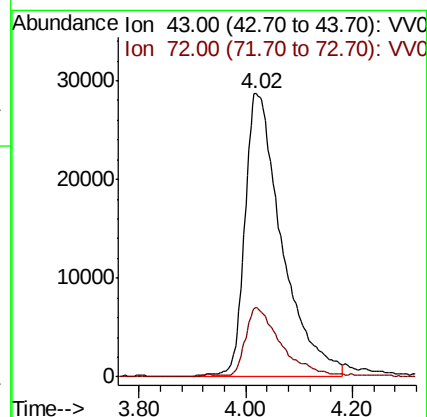
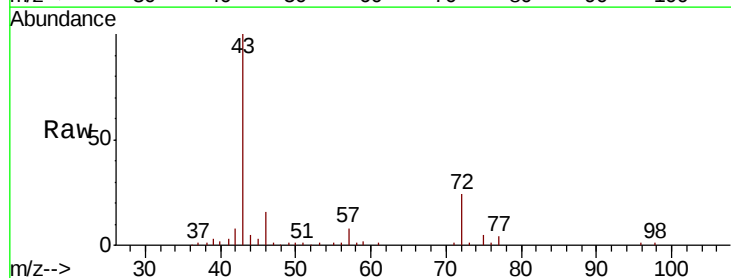
Instrument :
 MSVOA_V
 ClientSampled :

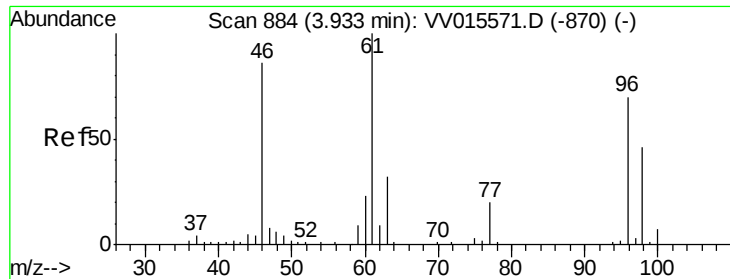
Tot Ion	63	Resp	96595
Ion Ratio	Lower	Upper	
63	100		
65	32.1	21.3	39.6
83	14.4	9.4	17.6



#21
 2-Butanone
 Concen: 55.581 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Tgt Ion	43	Resp	138446
Ion Ratio	Lower	Upper	
43	100		
72	22.4	5.9	17.8#



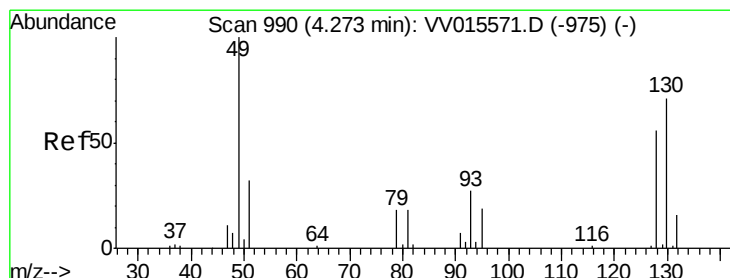
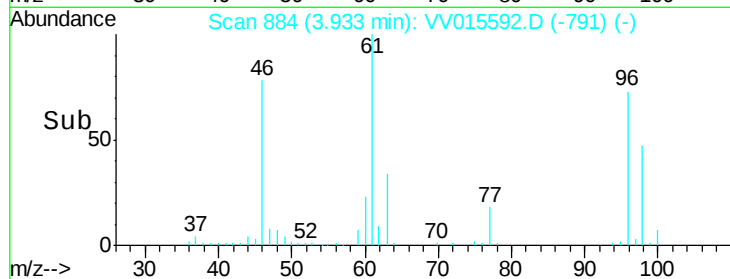
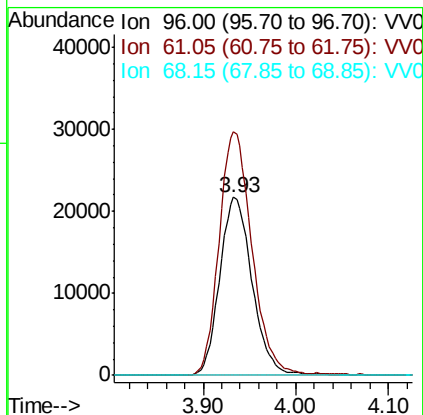
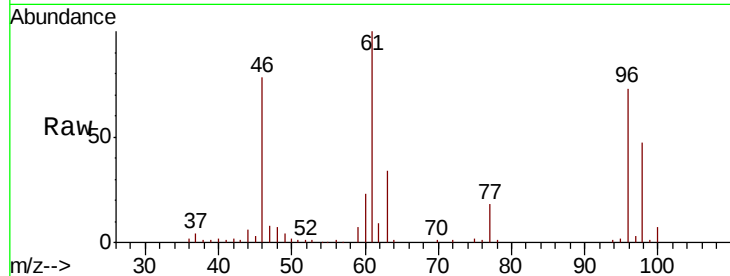


#22

cis-1,2-Dichloroethene
Concen: 4.792 ug/L
RT: 3.93 min Scan# 884
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Instrument :
MSVOA_V
ClientSampleId :

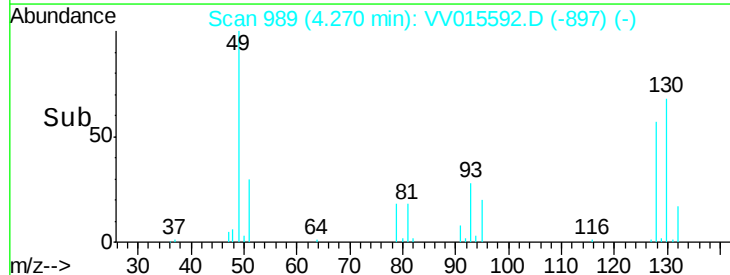
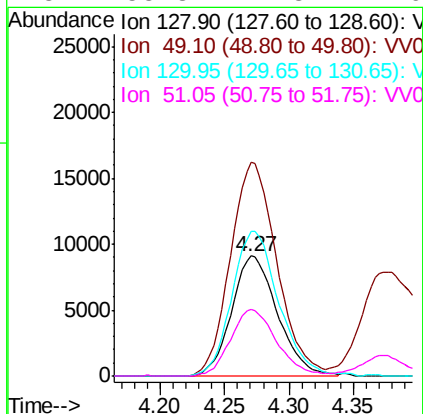
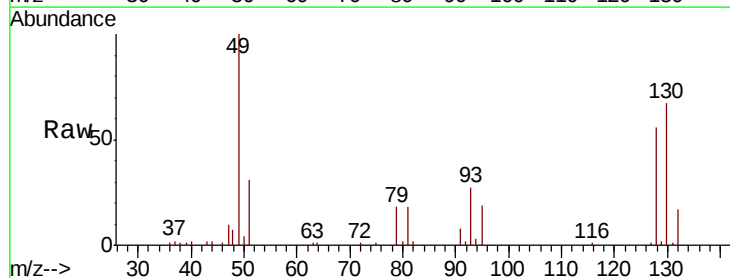
Tot Ion: 96 Resp: 52705
Ion Ratio Lower Upper
96 100
61 136.7 100.0 185.8
68 0.0 0.0 0.0

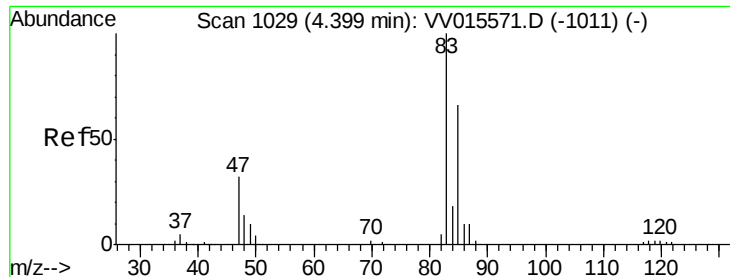


#23

Bromochloromethane
Concen: 4.937 ug/L
RT: 4.27 min Scan# 989
Delta R.T. -0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion: 128 Resp: 22592
Ion Ratio Lower Upper
128 100
49 177.6 128.8 239.2
130 119.8 93.5 173.7
51 55.3 47.8 71.6

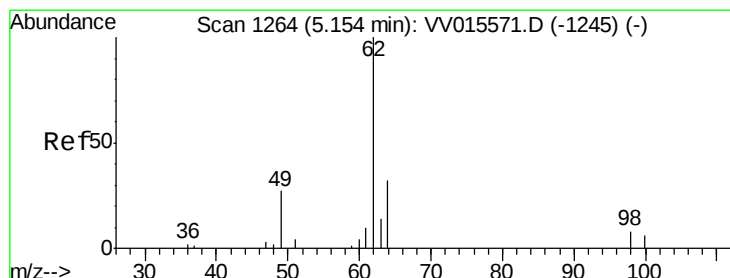
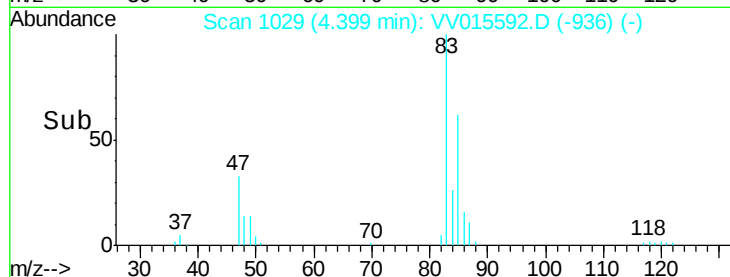
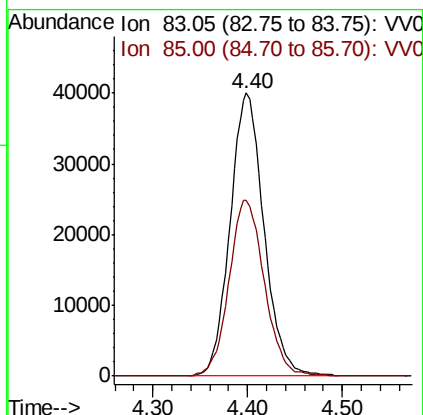
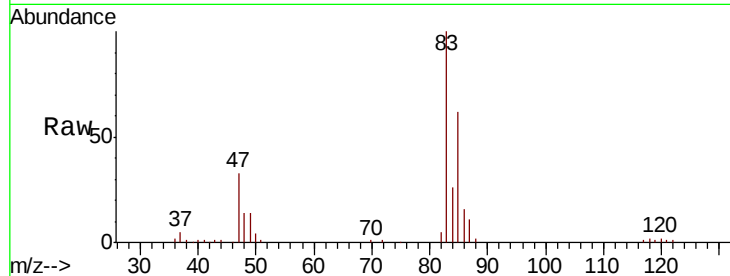




#25
Chloroform
Concen: 4.861 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

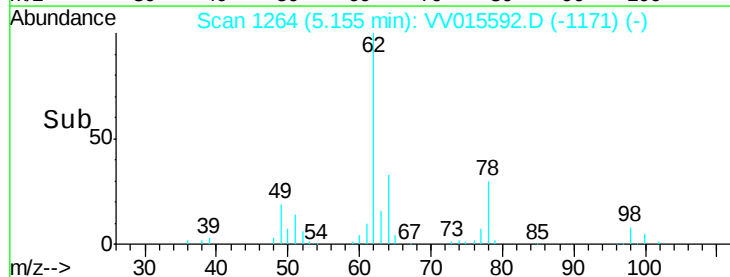
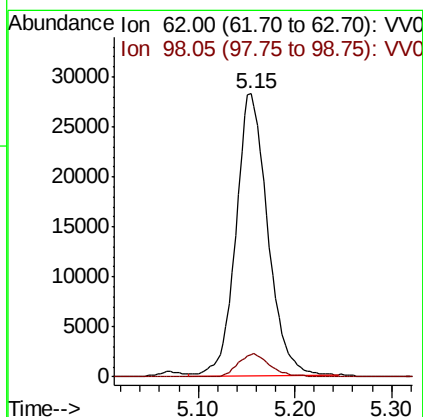
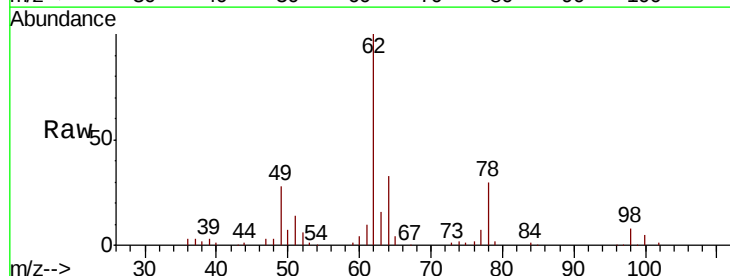
Instrument :
MSVOA_V
ClientSampleId :

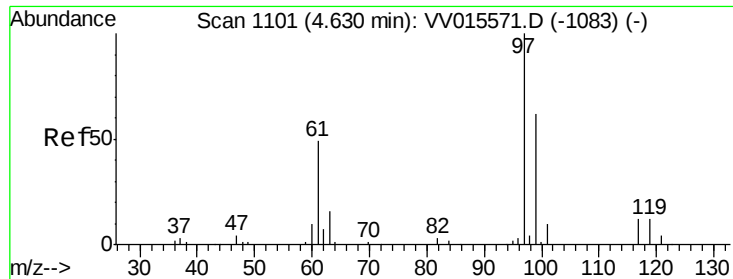
Tot Ion: 83 Resp: 99338
Ion Ratio Lower Upper
83 100
85 62.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 4.868 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion: 62 Resp: 64324
Ion Ratio Lower Upper
62 100
98 8.1 6.6 10.0

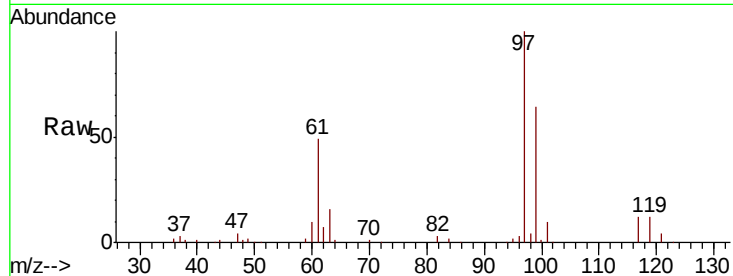




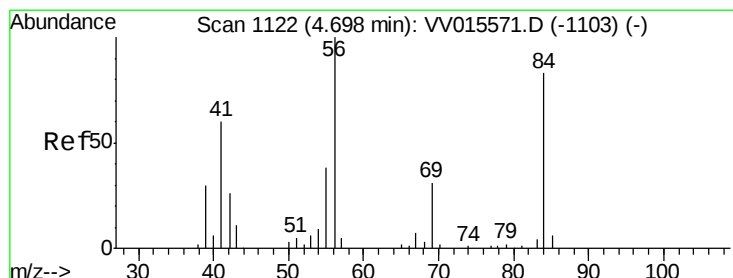
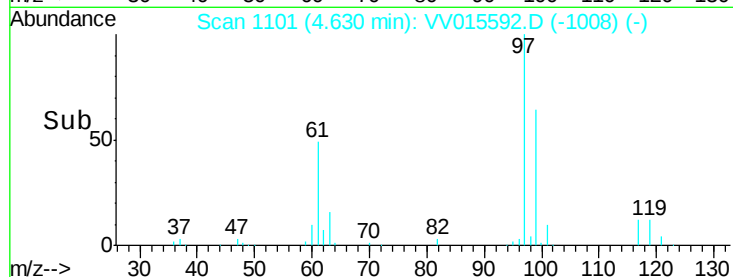
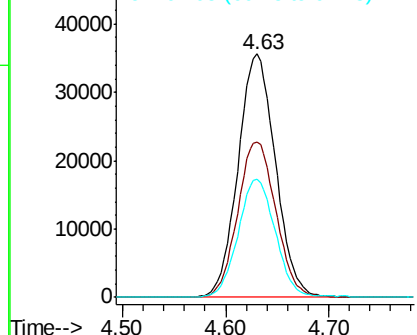
#29
 1,1,1-Trichloroethane
 Concen: 4.897 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 90028
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.6 77.4
 61 48.4 39.0 58.6

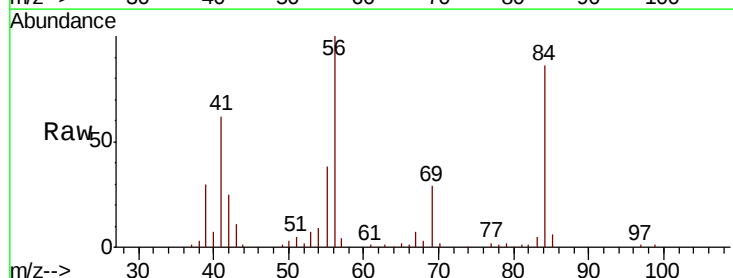


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

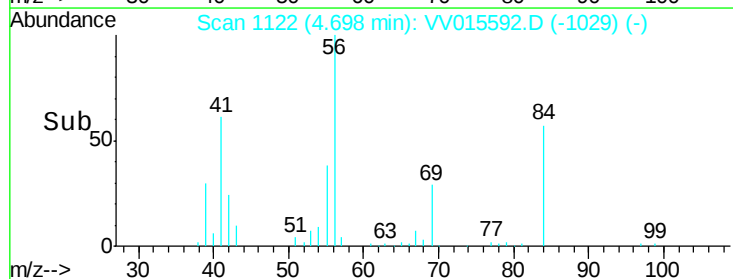
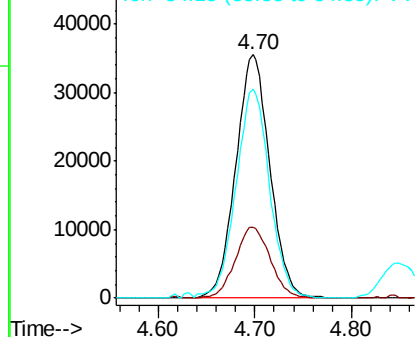


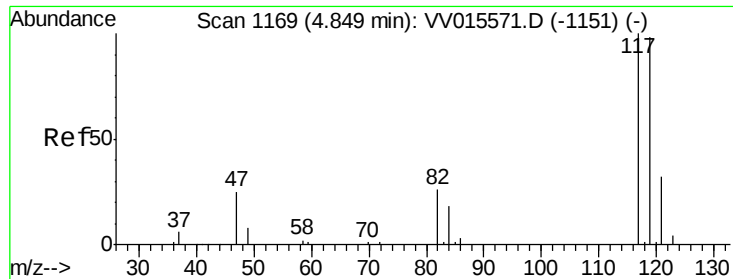
#30
 Cyclohexane
 Concen: 4.453 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Tgt Ion: 56 Resp: 86910
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.4
 84 85.1 68.4 102.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.751 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

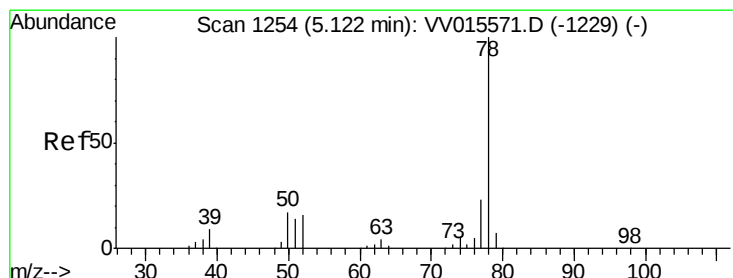
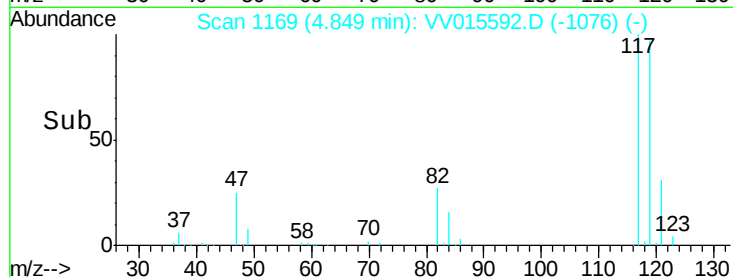
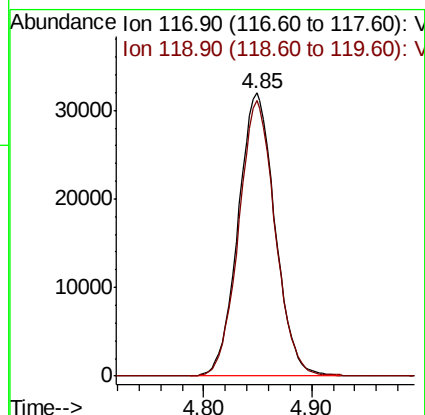
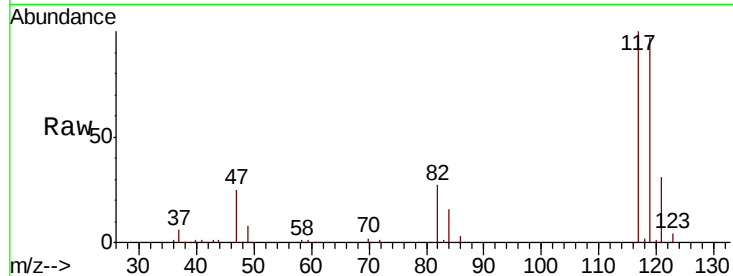
ClientSampleId :

Tot Ion:117 Resp: 76024

Ion Ratio Lower Upper

117 100

119 95.9 76.6 115.0



#33

Benzene

Concen: 4.781 ug/L

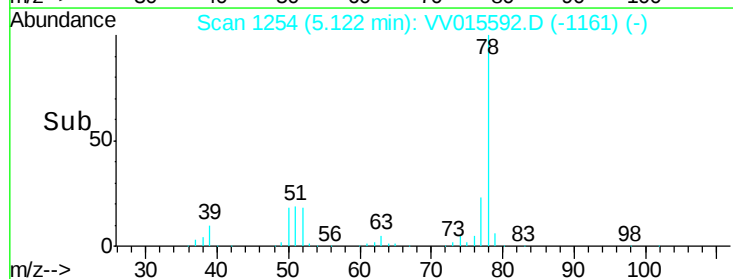
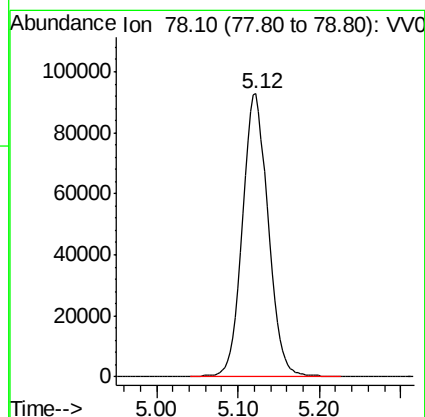
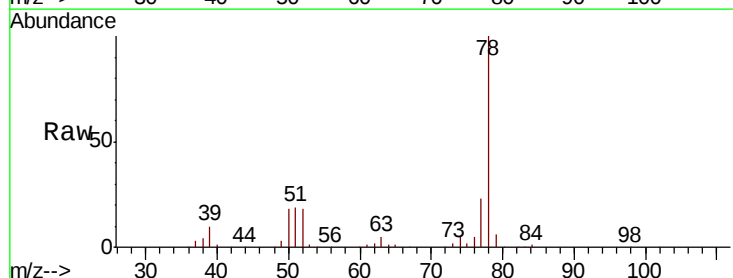
RT: 5.12 min Scan# 1254

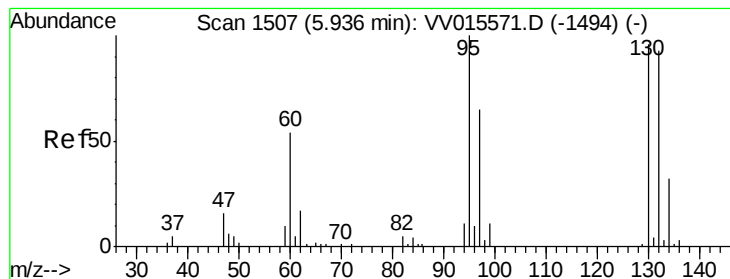
Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Tgt Ion: 78 Resp: 202743





#34

Trichloroethene

Concen: 4.866 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 55542

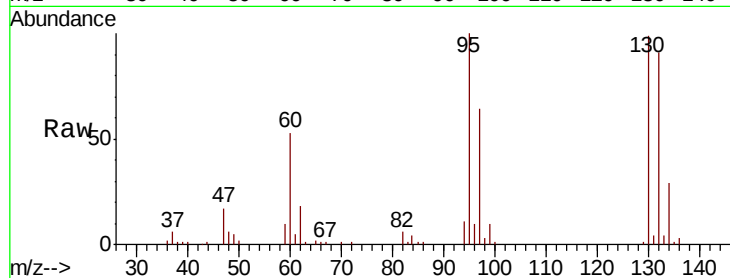
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.4

132 91.5 64.8 120.4

130 99.2 67.4 125.2

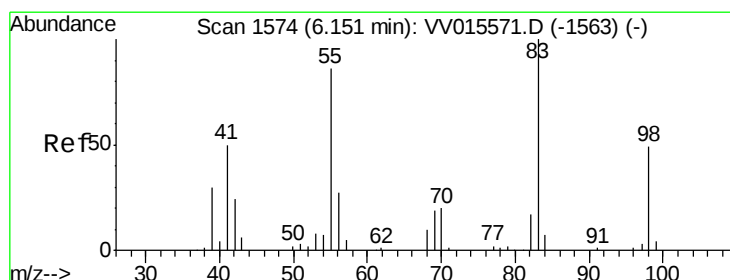
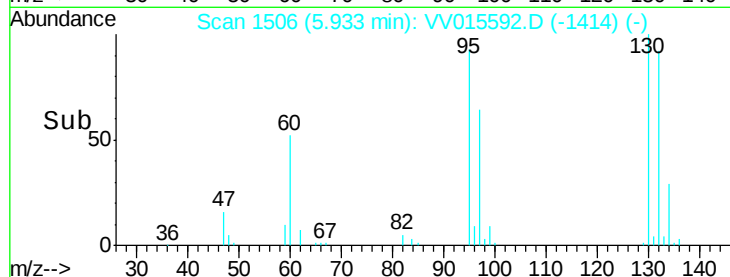
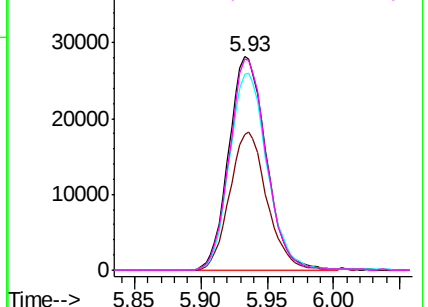


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.598 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

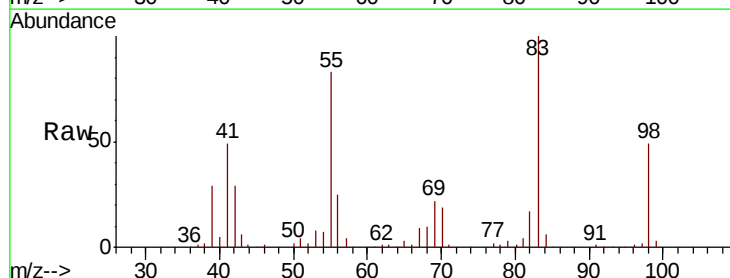
Tgt Ion: 83 Resp: 88436

Ion Ratio Lower Upper

83 100

55 81.9 66.6 99.8

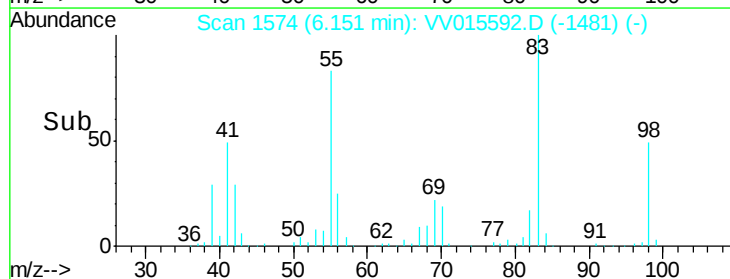
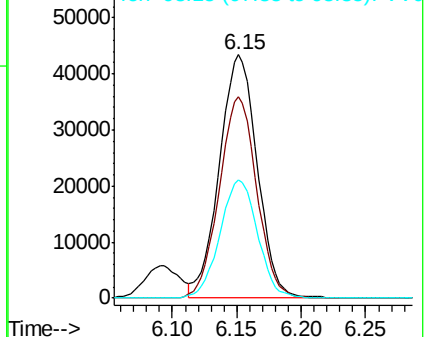
98 48.6 38.7 58.1

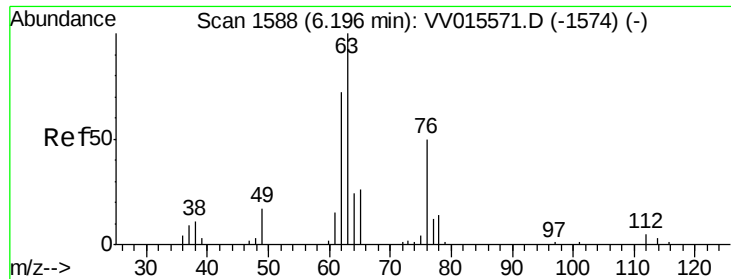


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

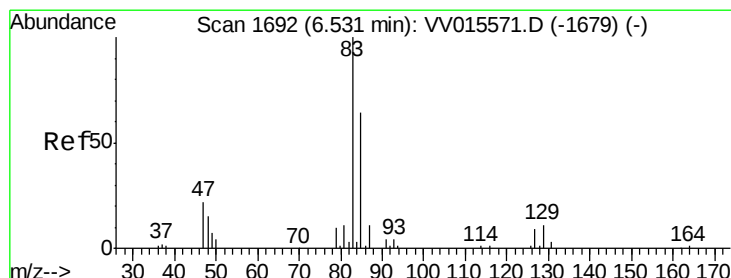
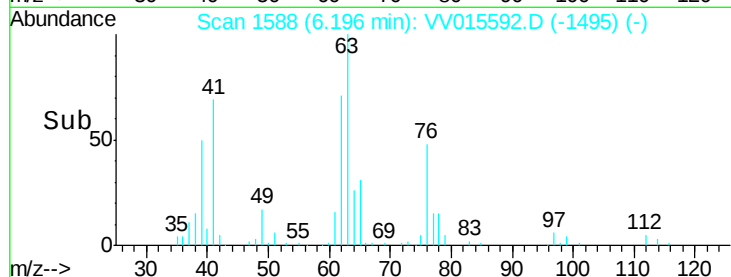
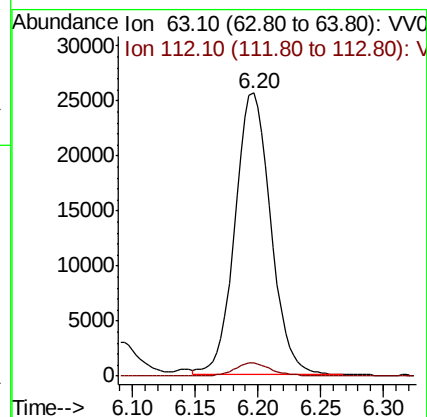
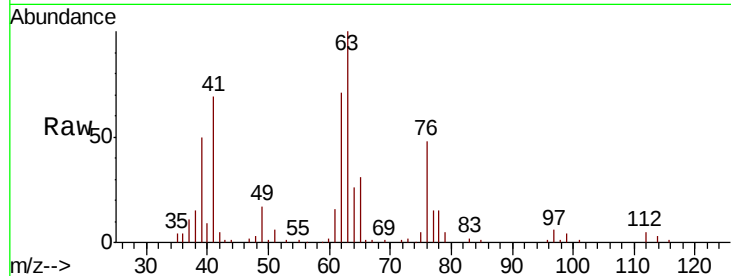




#37
 1,2-Dichloropropane
 Concen: 4.825 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

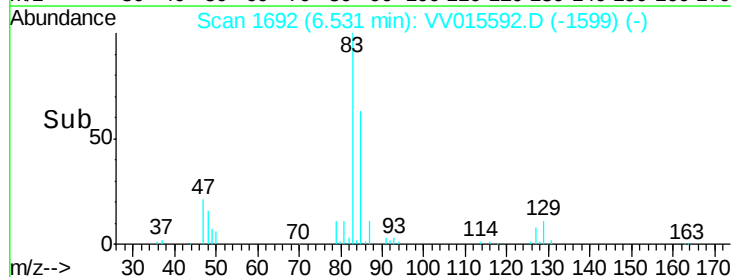
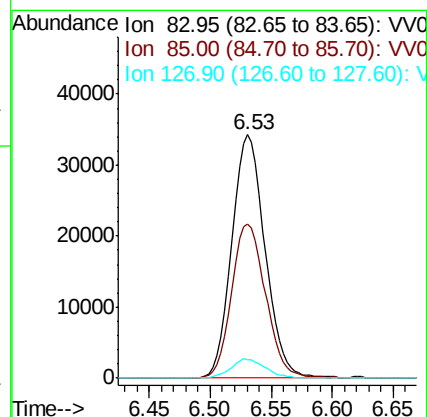
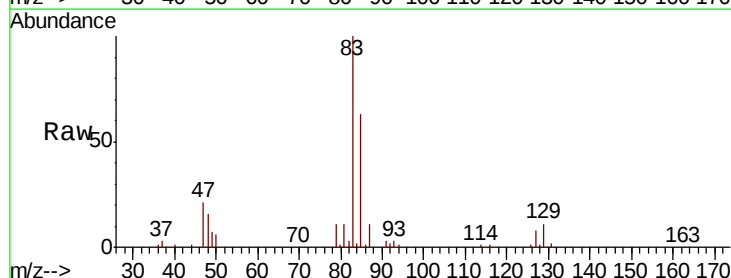
Instrument :
 MSVOA_V
 ClientSampleId :

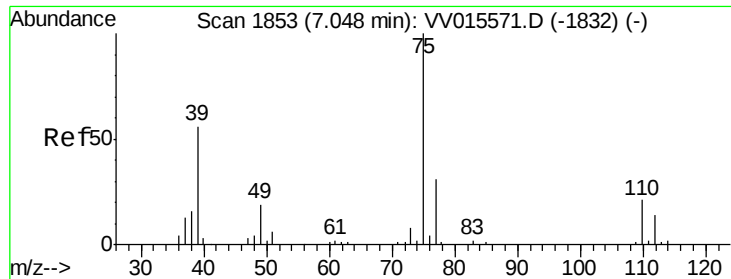
Tot Ion: 63 Resp: 50754
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.654 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Tgt Ion: 83 Resp: 65276
 Ion Ratio Lower Upper
 83 100
 85 63.4 42.6 79.2
 127 7.7 6.6 9.8

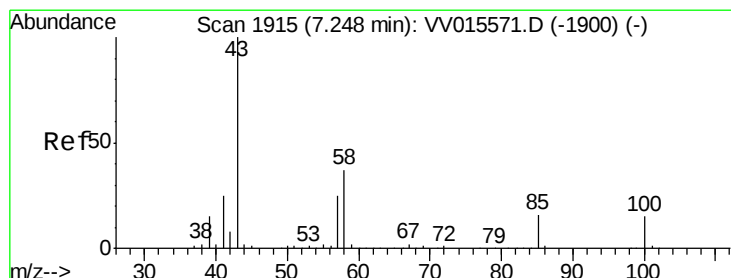
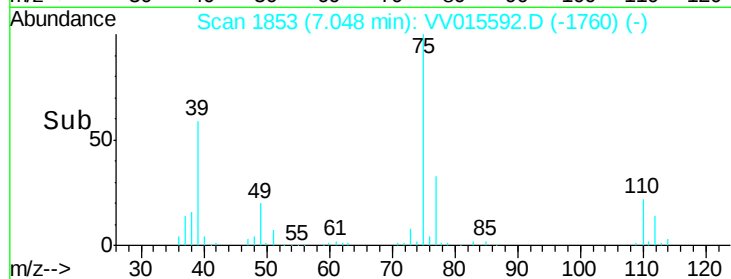
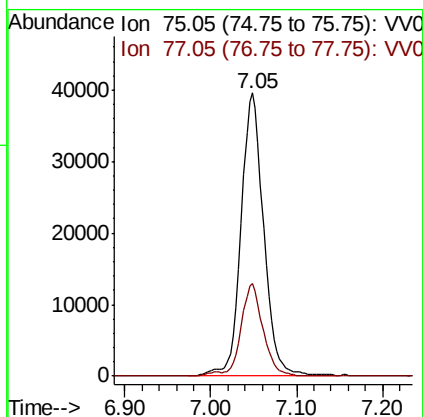
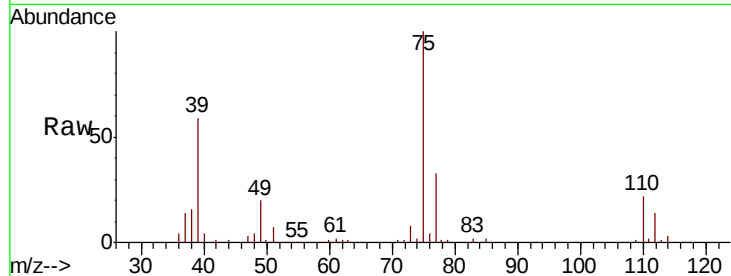




#39
 cis-1,3-Dichloropropene
 Concen: 4.498 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

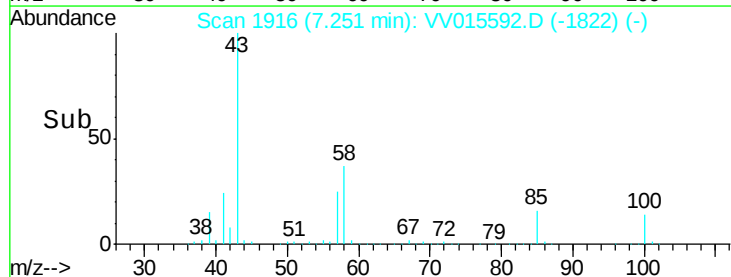
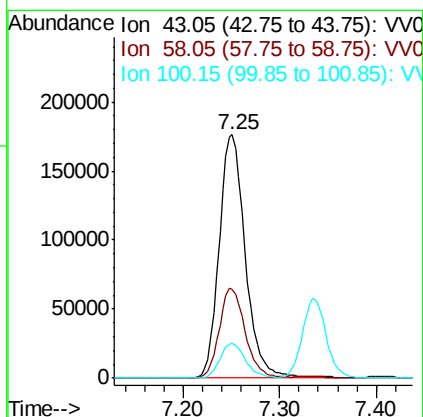
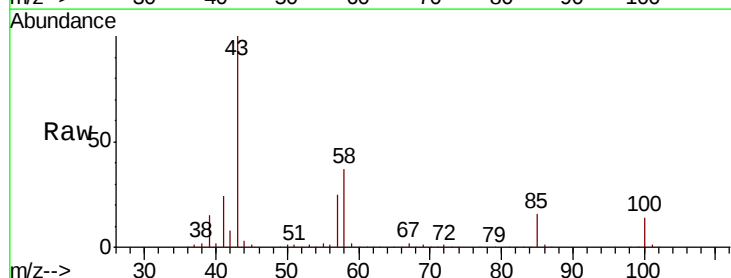
Instrument :
 MSVOA_V
 ClientSampled :

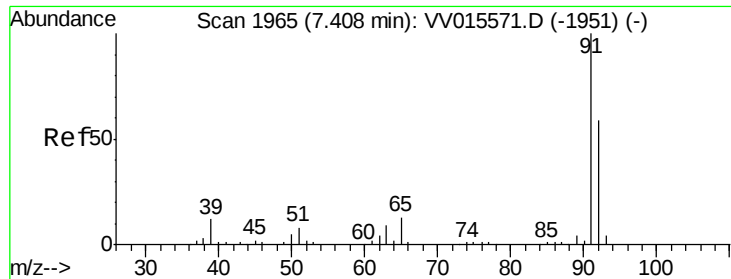
Tot Ion: 75 Resp: 72613
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 48.035 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Tgt Ion: 43 Resp: 331778
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6
 100 14.0 11.0 16.6





#42

Toluene

Concen: 4.750 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

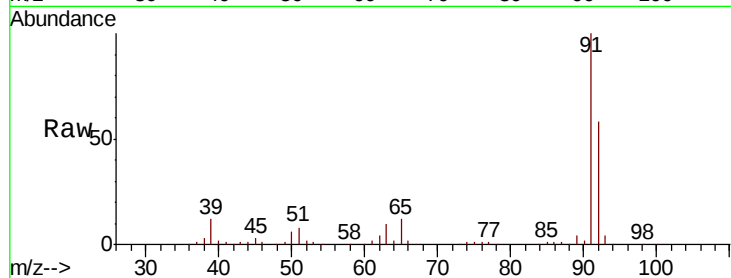
ClientSampled :

Tot Ion: 91 Resp: 218697

Ion Ratio Lower Upper

91 100

92 58.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

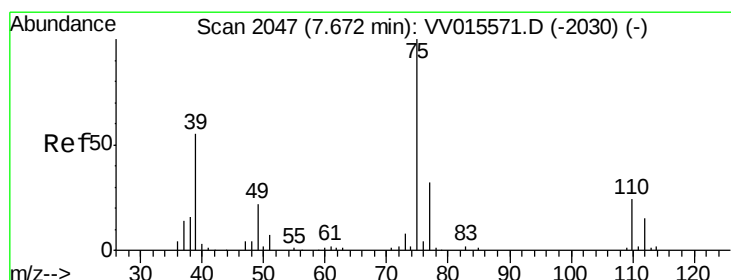
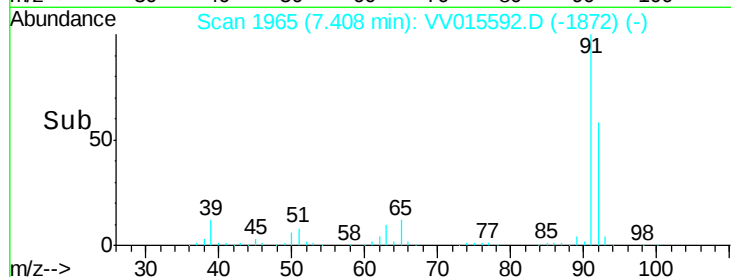
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.384 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV015592.D

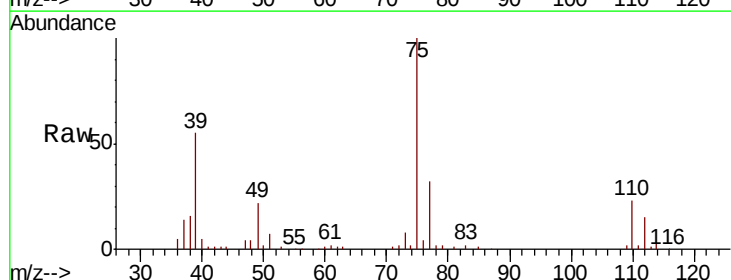
Acq: 21 Apr 2020 10:05

Tgt Ion: 75 Resp: 59839

Ion Ratio Lower Upper

75 100

77 32.0 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

40000

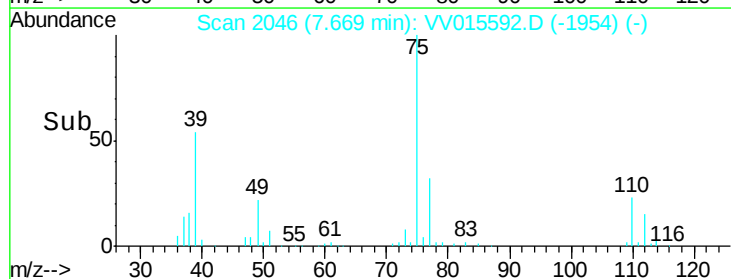
30000

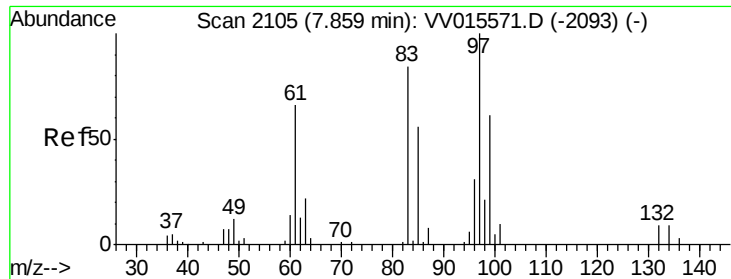
20000

10000

0

Time--> 7.60 7.65 7.70 7.75

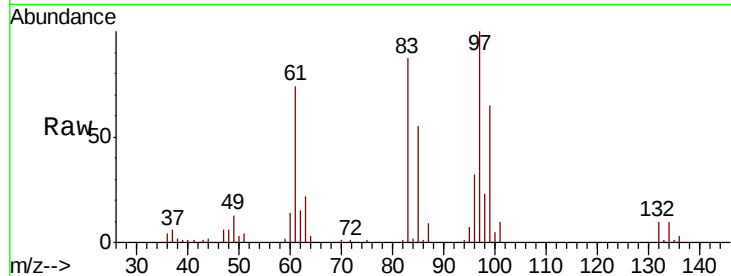




#45
1,1,2-Trichloroethane
Concen: 4.873 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	34458
Ion	Ratio	Lower	Upper
97	100		
99	65.1	41.3	76.7
83	86.7	60.5	112.3
85	55.3	36.8	68.4



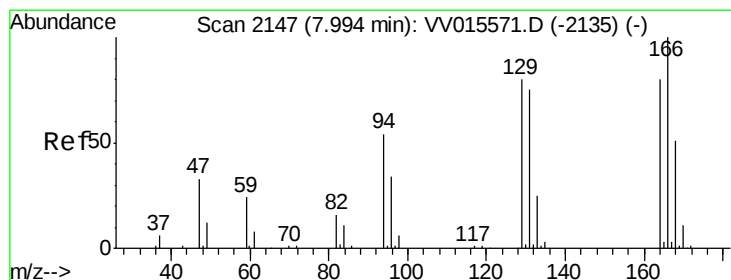
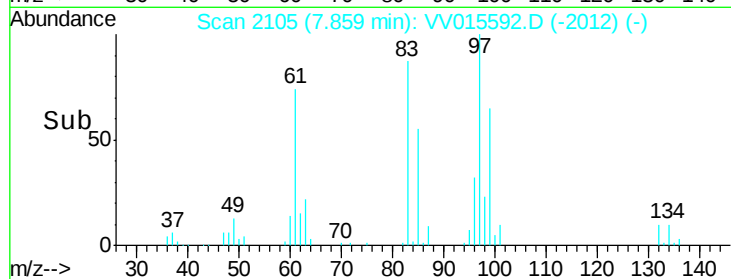
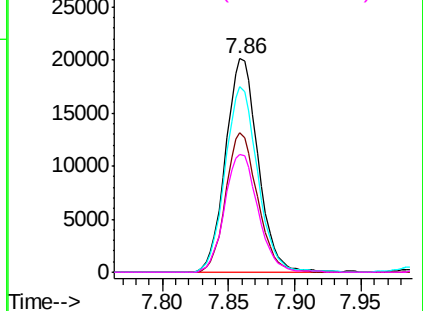
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

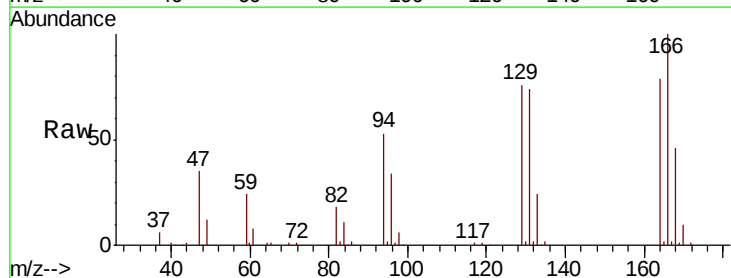
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 4.829 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion:	164	Resp:	40840
Ion	Ratio	Lower	Upper
164	100		
129	95.9	70.6	131.0
131	93.7	68.3	126.8
166	126.1	88.3	163.9



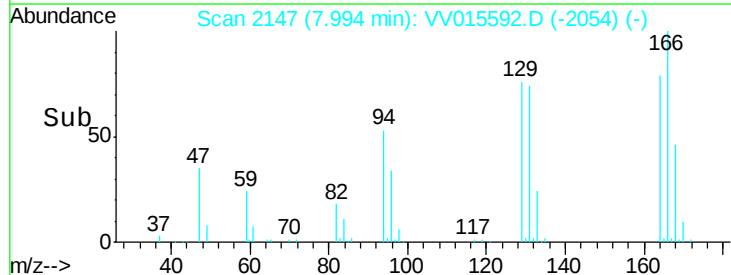
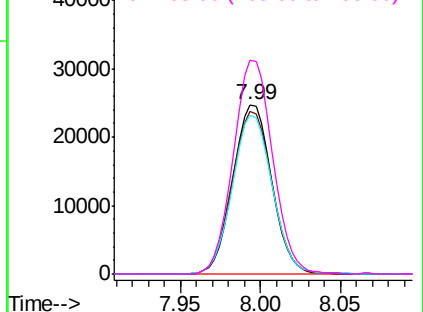
Abundance

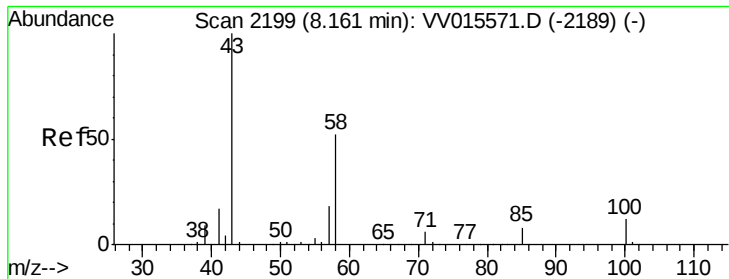
Ion 163.90 (163.60 to 164.60): V

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

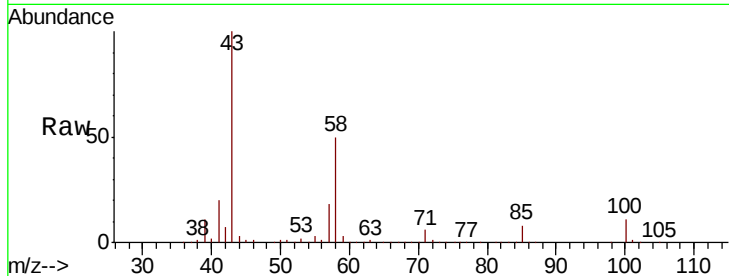




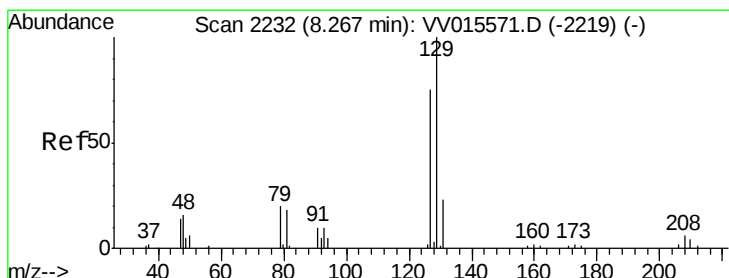
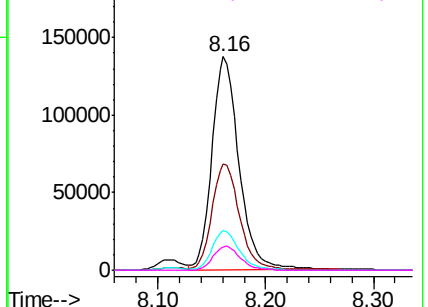
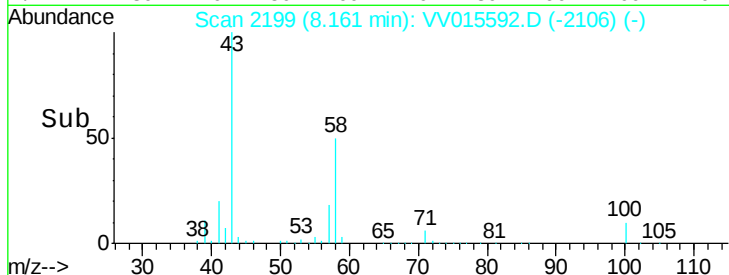
#48
2-Hexanone
Concen: 49.535 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 239052
Ion Ratio Lower Upper
43 100
58 50.5 41.4 62.0
57 18.2 15.0 22.4
100 11.6 9.4 14.2

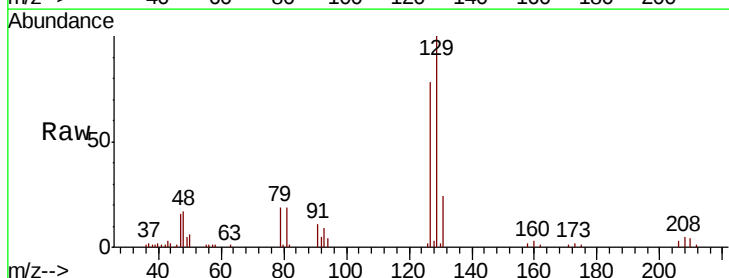


Abundance Ion 43.05 (42.75 to 43.75): VV015592.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV015592.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV015592.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV015592.D (-2106) (-)

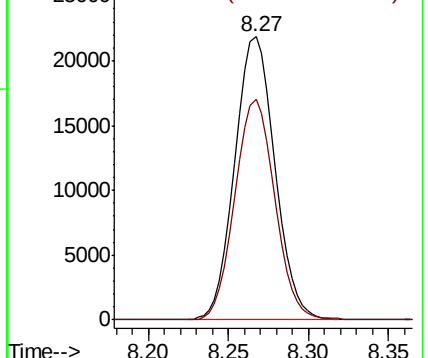
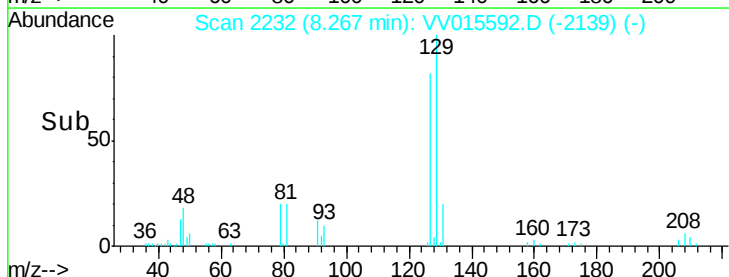


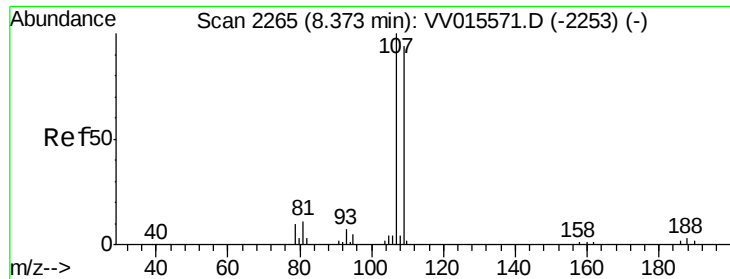
#49
Dibromochloromethane
Concen: 4.418 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion: 129 Resp: 37417
Ion Ratio Lower Upper
129 100
127 77.8 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015592.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015592.D (-2139) (-)

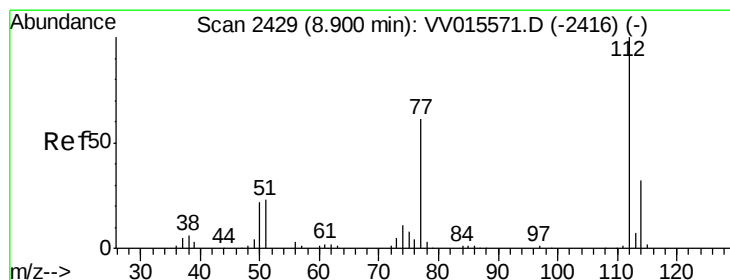
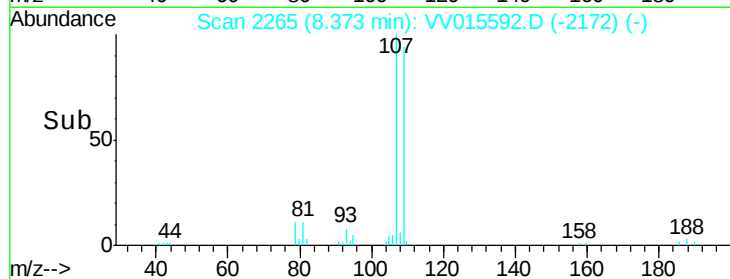
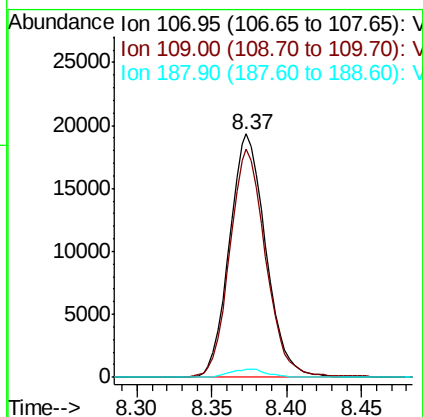
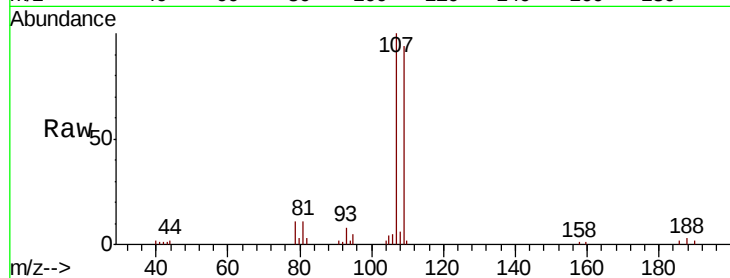




#50
1,2-Dibromoethane
Concen: 4.813 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

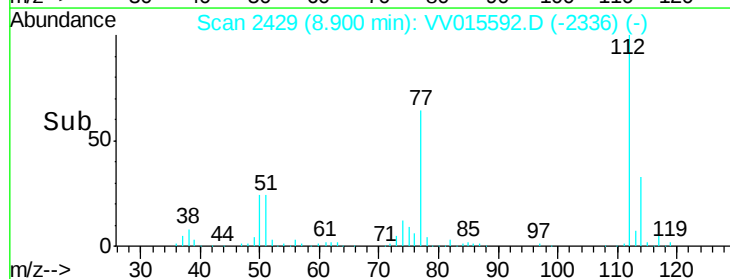
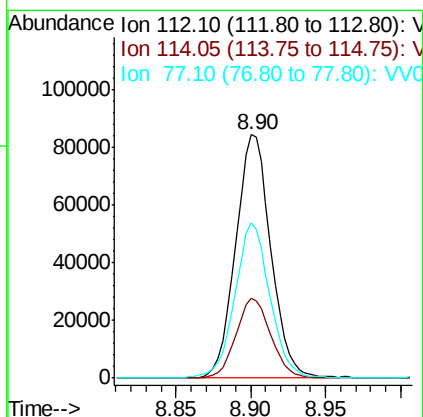
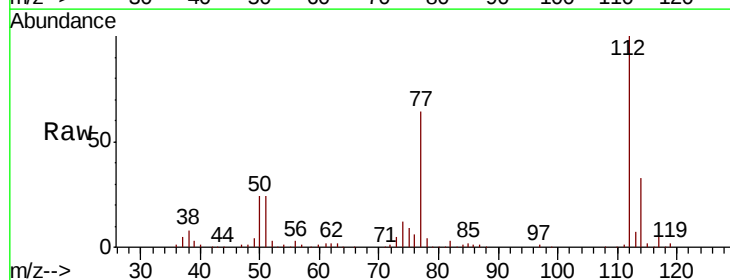
Instrument :
MSVOA_V
ClientSampled :

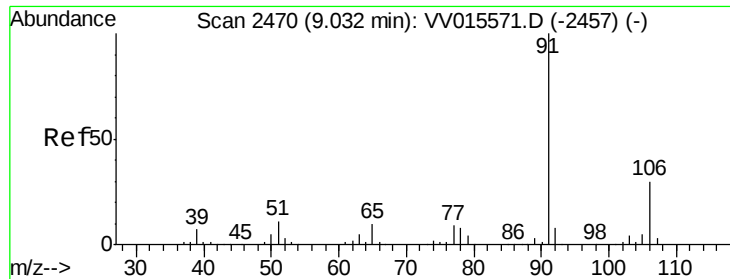
Tot Ion:107 Resp: 32617
Ion Ratio Lower Upper
107 100
109 93.5 66.7 123.9
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 4.704 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV015592.D
Acq: 21 Apr 2020 10:05

Tgt Ion:112 Resp: 138067
Ion Ratio Lower Upper
112 100
114 32.5 22.9 42.5
77 63.7 49.8 74.8





#52

Ethylbenzene

Concen: 4.682 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

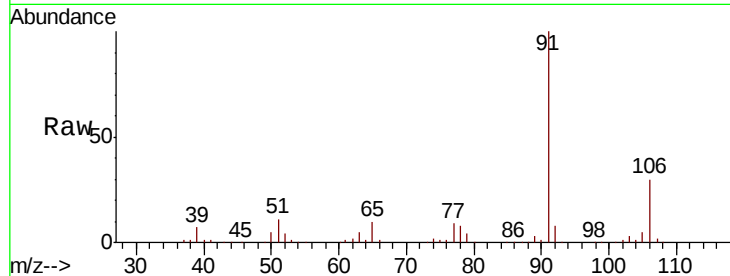
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 248168

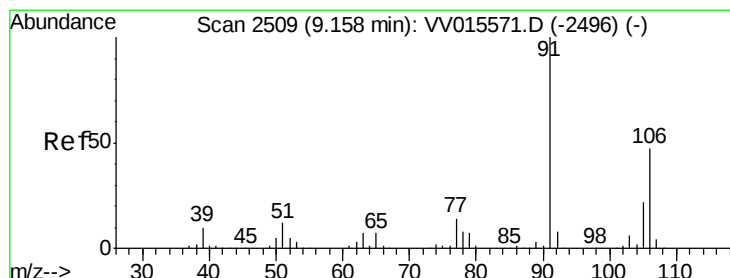
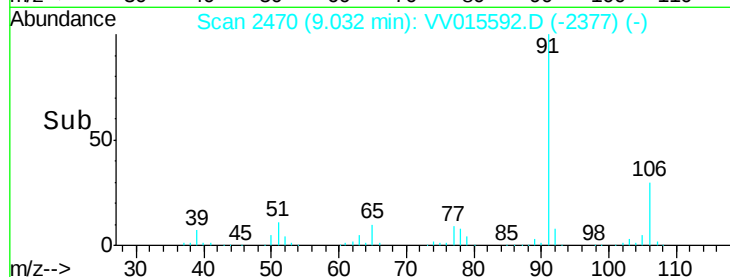
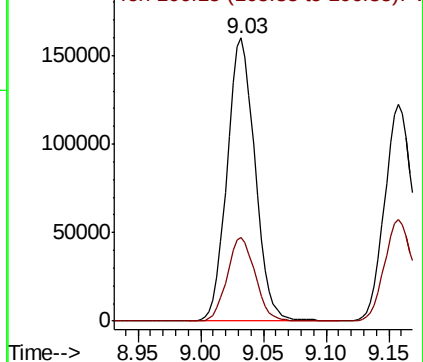
Ion Ratio Lower Upper

91 100

106 29.7 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015592.D (-2377) (-)



#53

m,p-xylene

Concen: 4.673 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015592.D

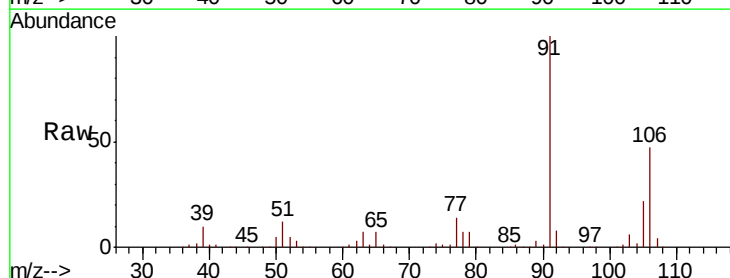
Acq: 21 Apr 2020 10:05

Tgt Ion:106 Resp: 93530

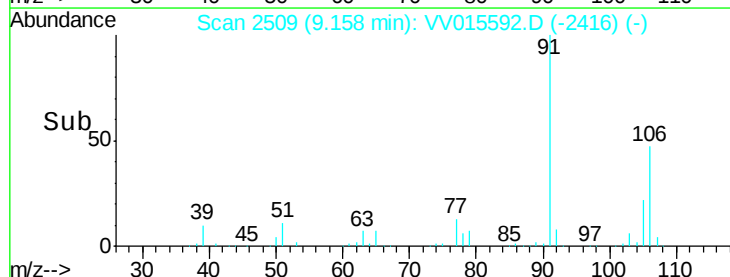
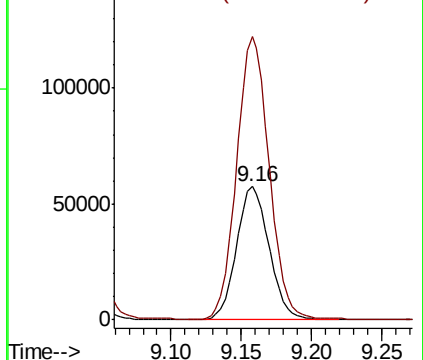
Ion Ratio Lower Upper

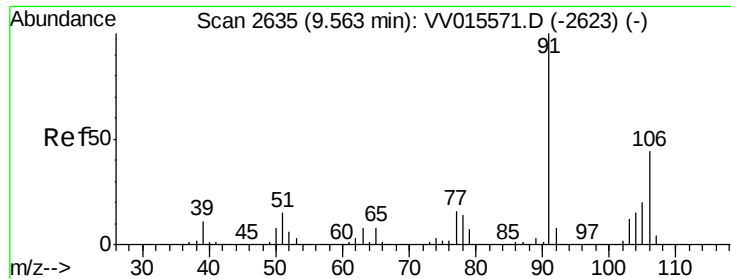
106 100

91 212.0 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015592.D (-2416) (-)





#54

o-xylene

Concen: 4.656 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

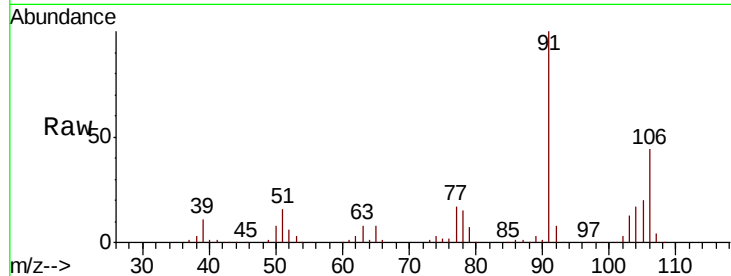
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 90212

Ion Ratio Lower Upper

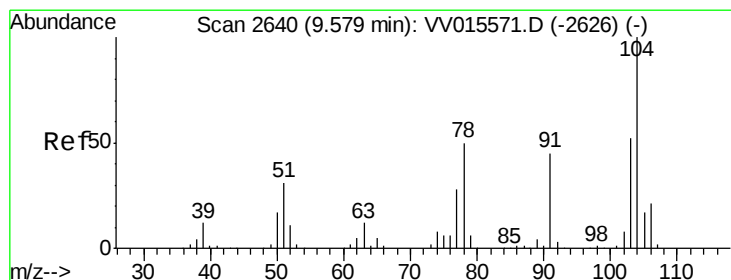
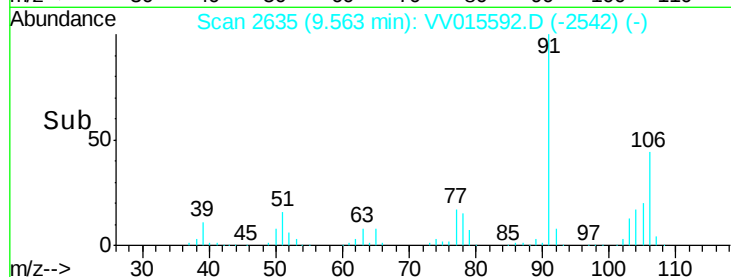
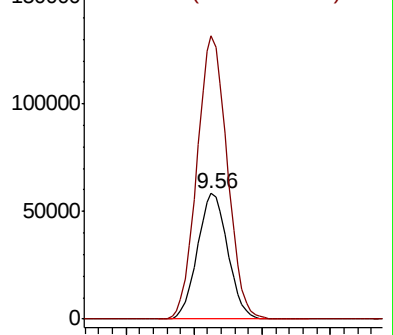
106 100

91 225.7 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.737 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV015592.D

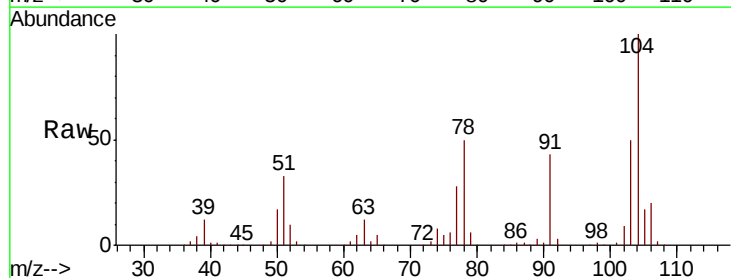
Acq: 21 Apr 2020 10:05

Tgt Ion:104 Resp: 154254

Ion Ratio Lower Upper

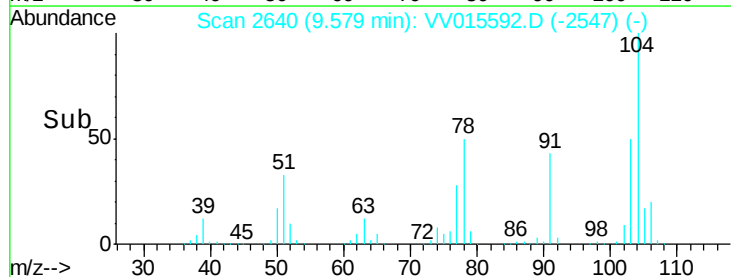
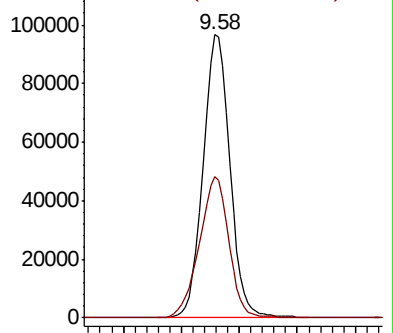
104 100

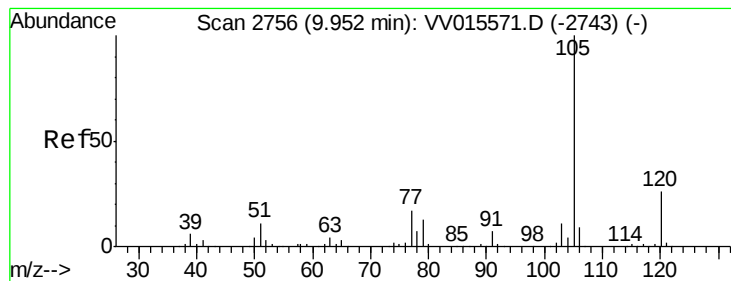
78 50.0 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.741 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

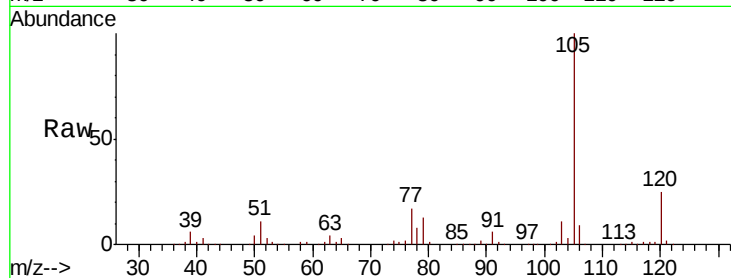
Tot Ion:105 Resp: 251852

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

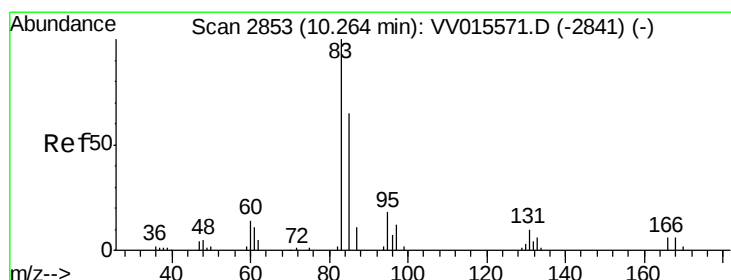
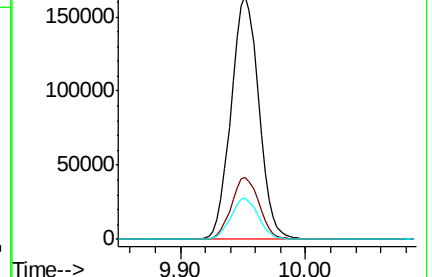
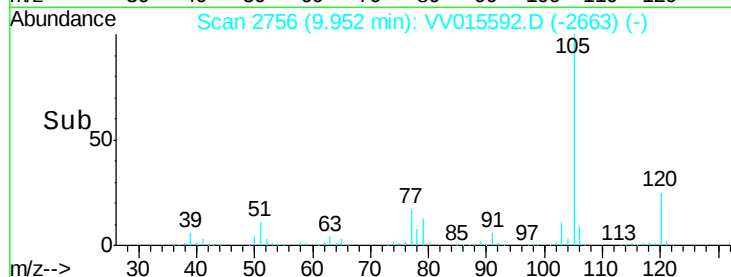
77 16.8 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.694 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

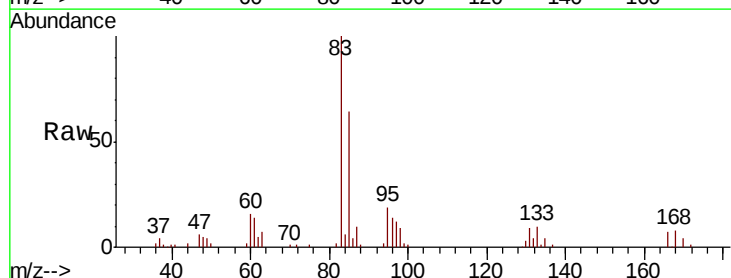
Tgt Ion: 83 Resp: 40395

Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

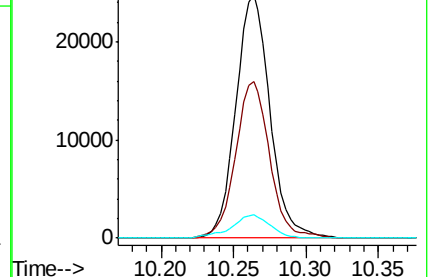
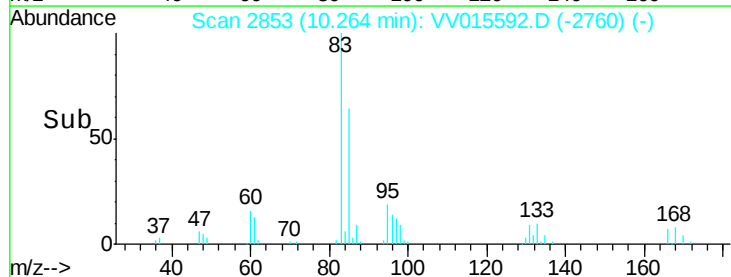
131 9.4 7.5 11.3

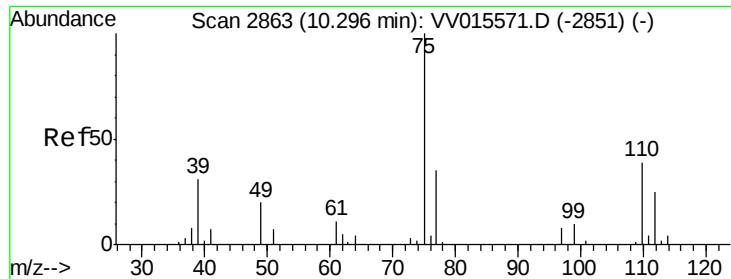


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.925 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

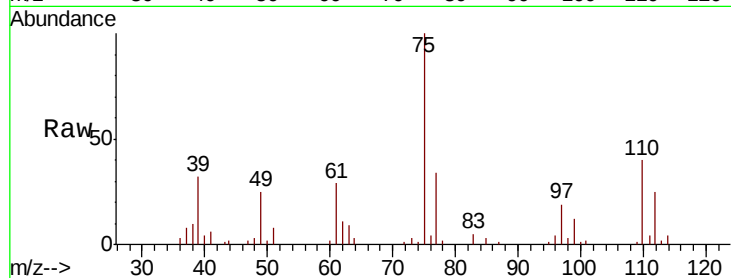
ClientSampleId :

Tot Ion: 75 Resp: 32034

Ion Ratio Lower Upper

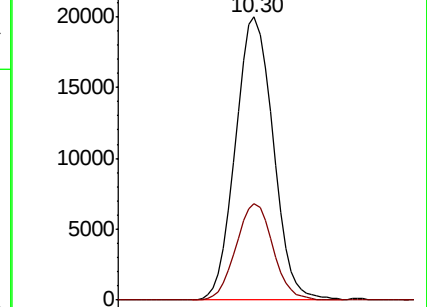
75 100

77 33.3 25.4 38.0

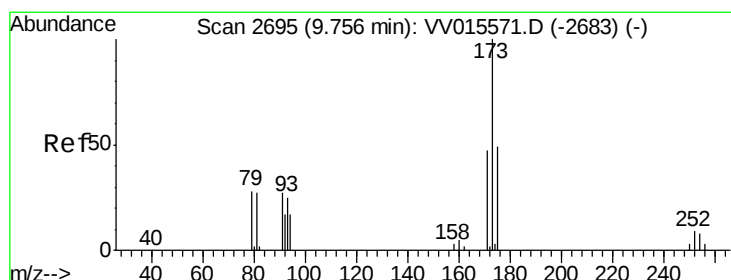
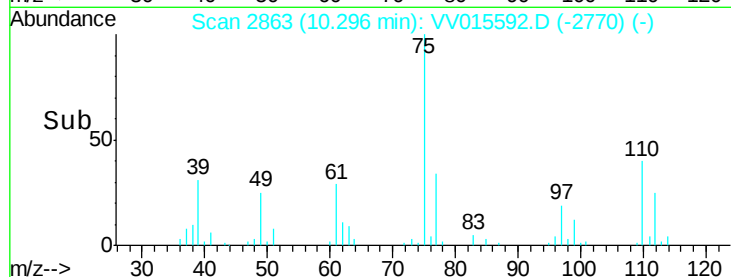


Abundance Ion 75.00 (74.70 to 75.70): VV015571.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015571.D (-2851) (-)



Time-->



#61

Bromoform

Concen: 3.790 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

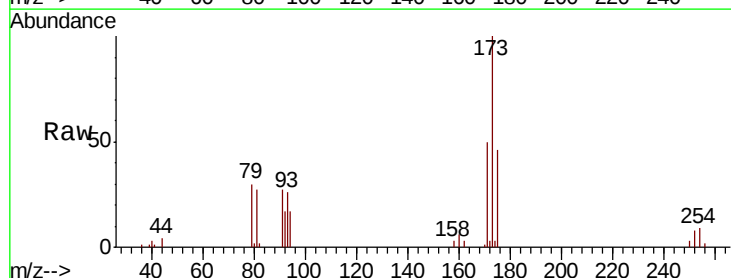
Tgt Ion: 173 Resp: 16143

Ion Ratio Lower Upper

173 100

175 46.5 38.2 57.2

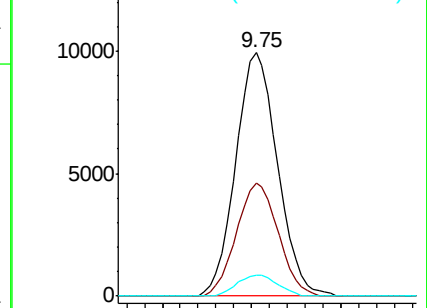
254 8.4 6.6 10.0



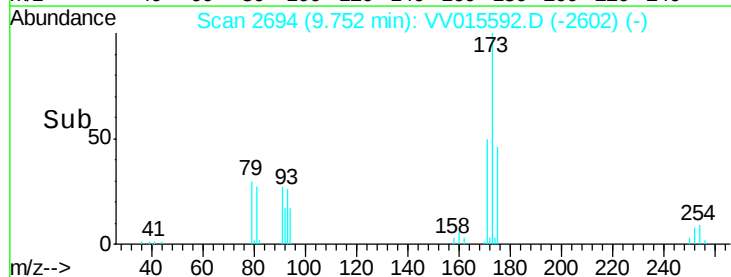
Abundance Ion 172.90 (172.60 to 173.60): VV015571.D (-2683) (-)

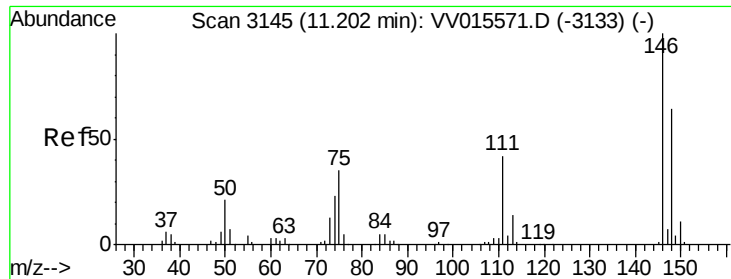
Ion 174.90 (174.60 to 175.60): VV015571.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015571.D (-2683) (-)



Time-->





#62

1,3-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

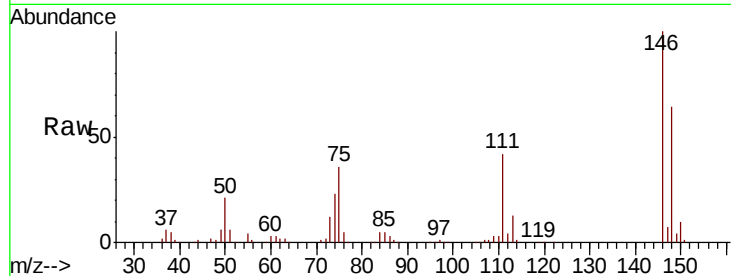
Tot Ion:146 Resp: 114018

Ion Ratio Lower Upper

146 100

111 42.4 29.3 54.5

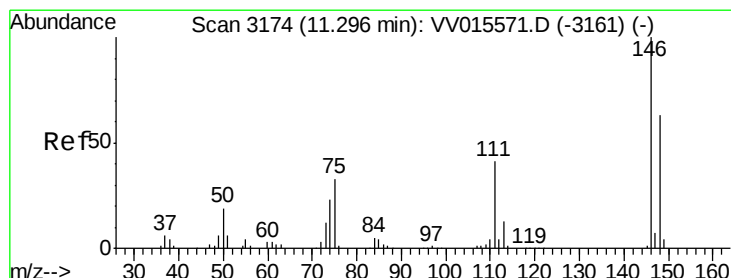
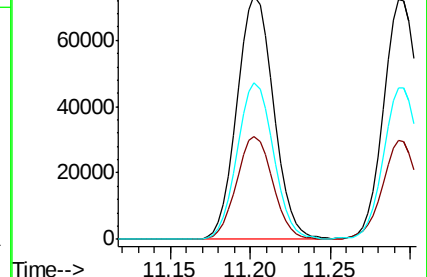
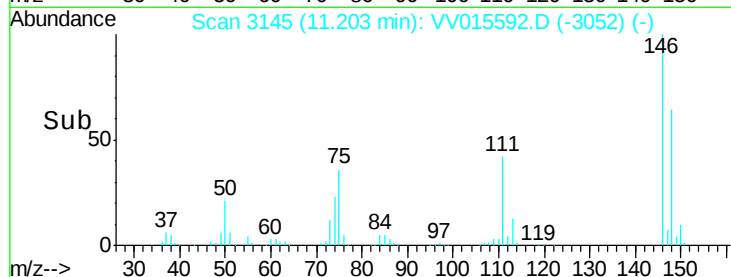
148 64.4 42.4 78.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.741 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

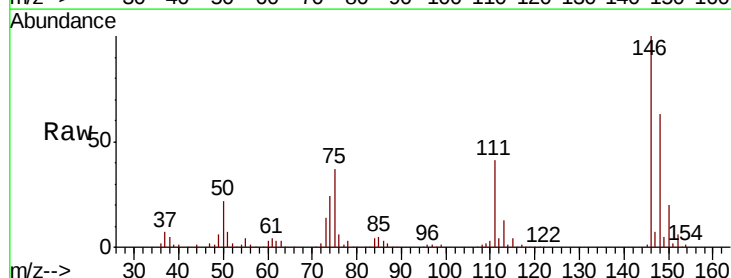
Tgt Ion:146 Resp: 112963

Ion Ratio Lower Upper

146 100

111 41.5 29.4 54.6

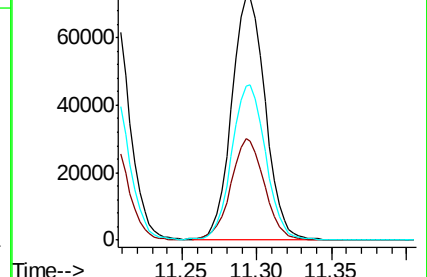
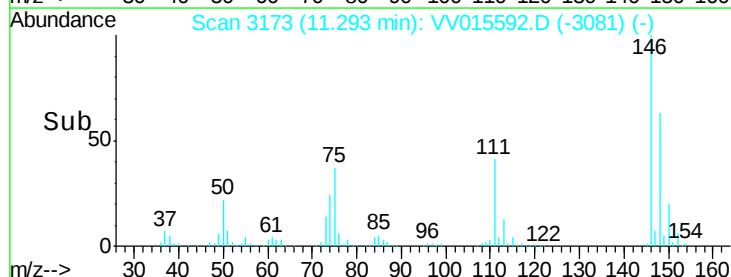
148 63.3 44.3 82.3

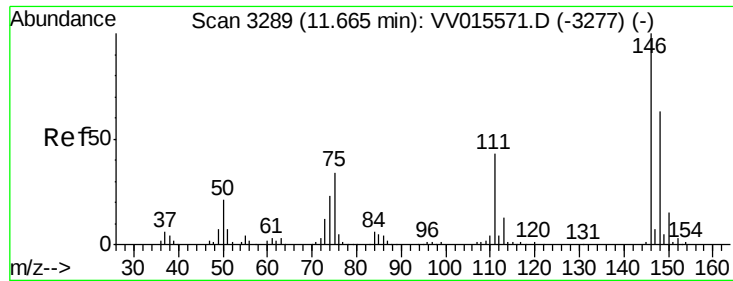


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.760 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

ClientSampled :

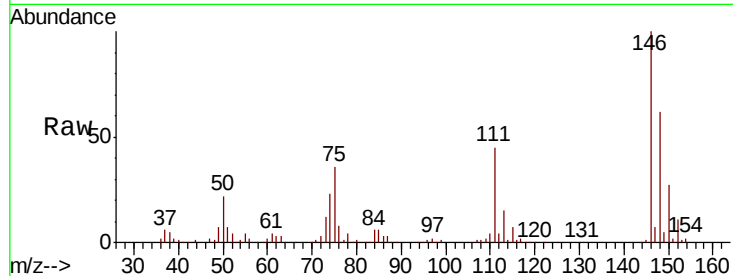
Tot Ion:146 Resp: 101610

Ion Ratio Lower Upper

146 100

111 45.3 35.8 53.6

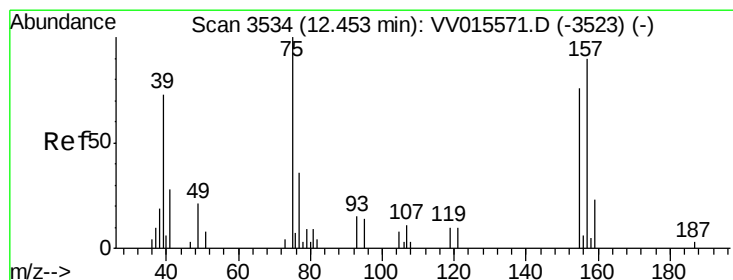
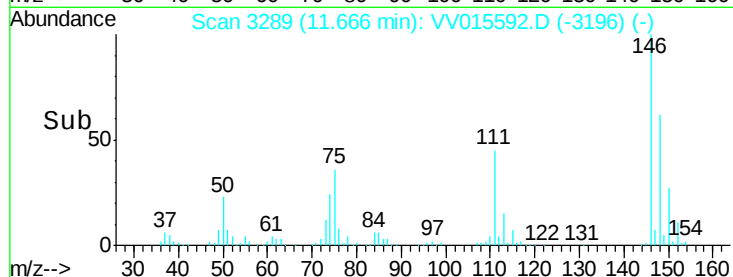
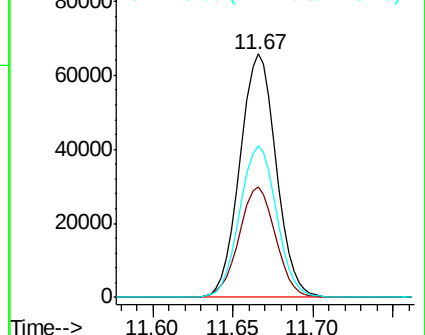
148 62.0 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.488 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

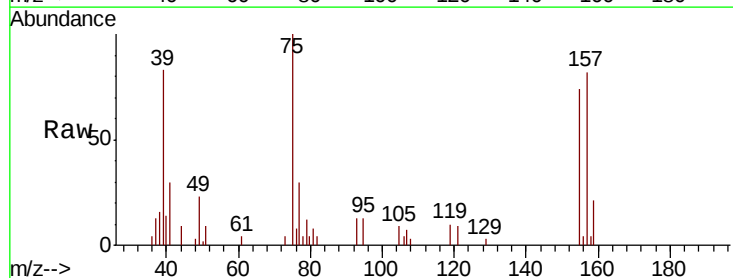
Tgt Ion: 75 Resp: 7331

Ion Ratio Lower Upper

75 100

155 74.5 60.8 91.2

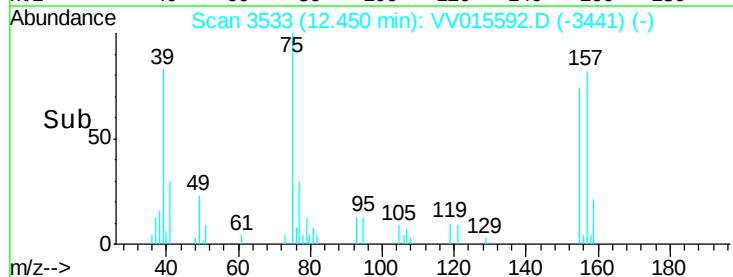
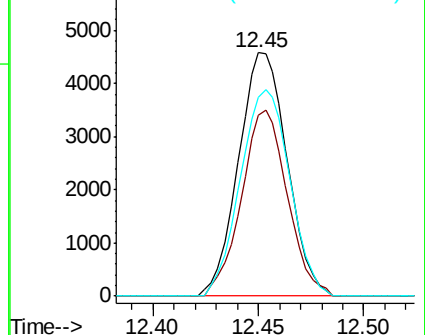
157 81.6 75.7 113.5

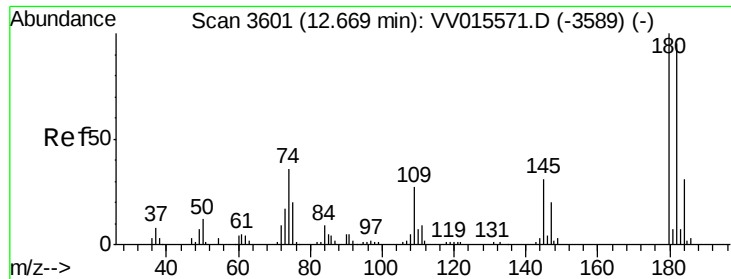


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

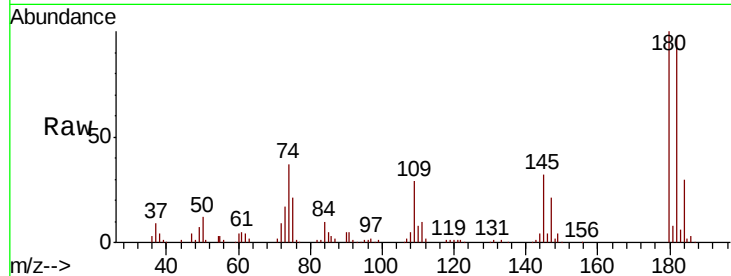




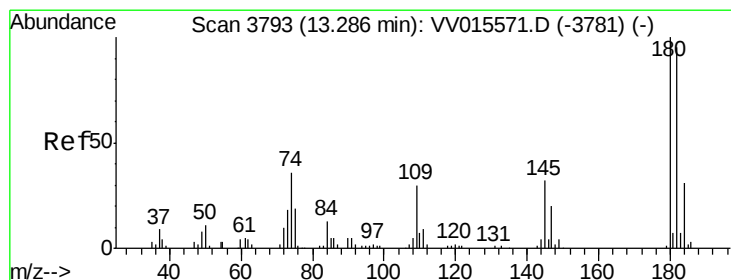
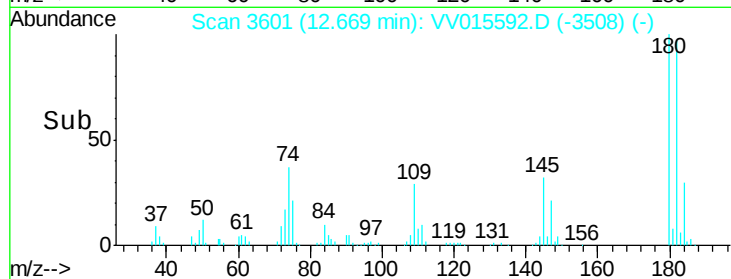
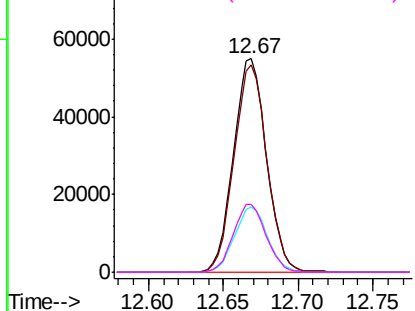
#67
 1,3,5-Trichlorobenzene
 Concen: 4.975 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 84159
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.9 115.3
 184 30.5 24.0 36.0
 145 31.7 26.1 39.1

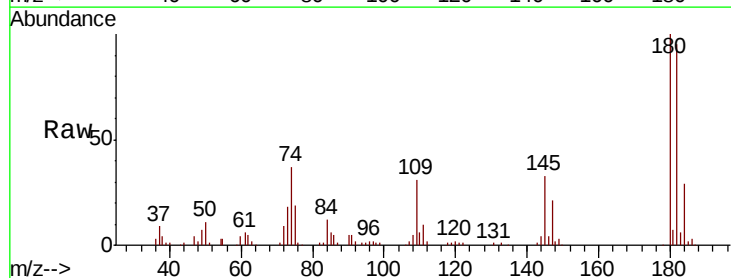


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

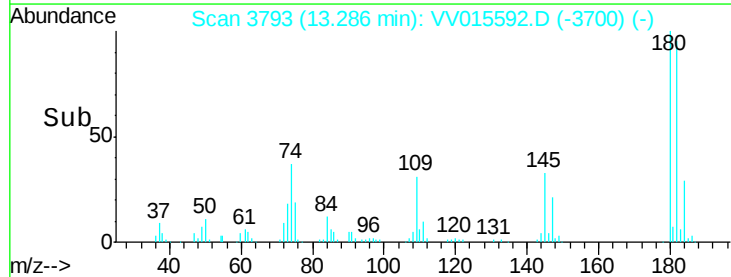
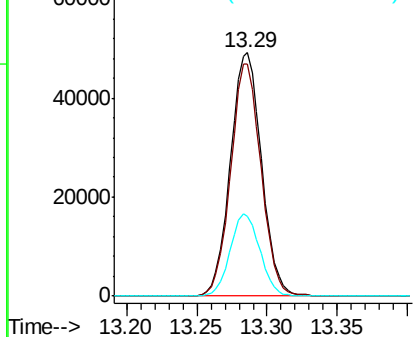


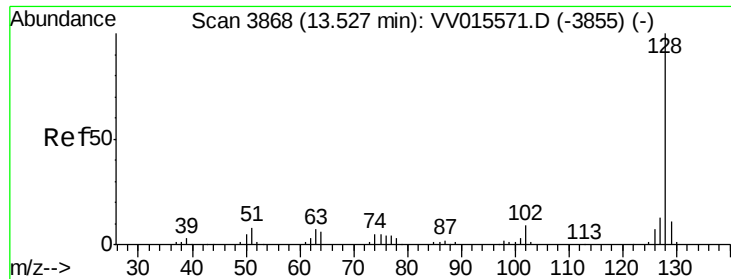
#68
 1,2,4-trichlorobenzene
 Concen: 4.980 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015592.D
 Acq: 21 Apr 2020 10:05

Tgt Ion:180 Resp: 75895
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.6 115.0
 145 32.3 25.9 38.9



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





#69

Naphthalene

Concen: 4.514 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

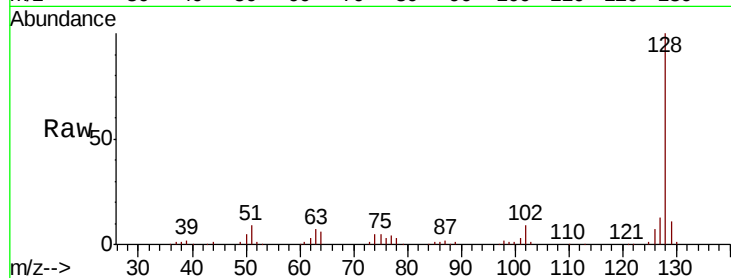
Tot Ion:128 Resp: 129603

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

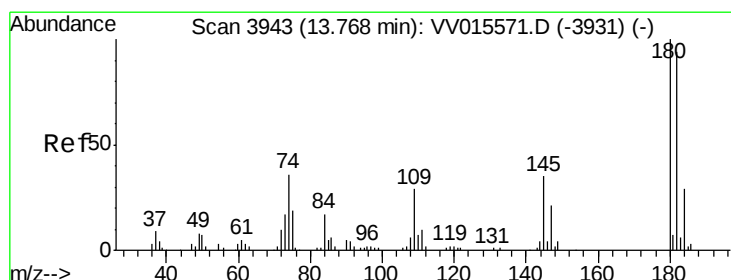
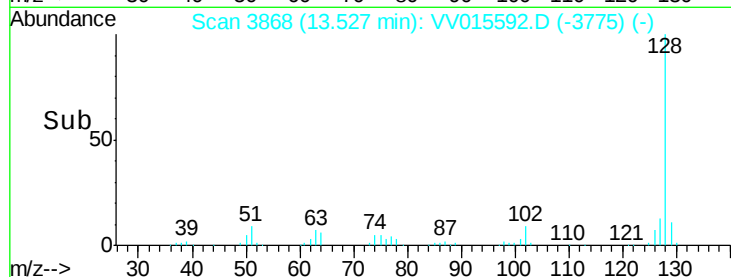
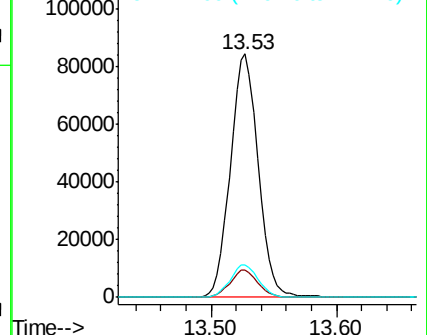
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.902 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015592.D

Acq: 21 Apr 2020 10:05

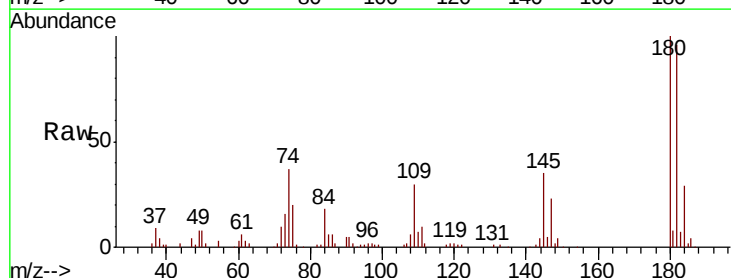
Tgt Ion:180 Resp: 65995

Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 34.4 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

