

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043020\
 Data File : VV015826.D
 Acq On : 30 Apr 2020 10:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 01 01:39:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	130638	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124368	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	64122	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37759	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.58	69	32999	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.12	63	78141	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.60%
20) 2-Butanone-d5	3.92	46	100340	45.77	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.54%
24) Chloroform-d	4.37	84	70700	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.06	65	41371	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.07	84	145145	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	44784	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.34	98	136137	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.64	79	16731	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.11	63	79681	44.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31289	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	48190	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	57757	5.162	ug/L 99
3) Chloromethane	1.25	50	52532	5.427	ug/L 99
5) Vinyl chloride	1.32	62	54243	5.247	ug/L 100
6) Bromomethane	1.53	94	28029	6.314	ug/L 95
8) Chloroethane	1.59	64	34687	5.108	ug/L 97
9) Trichlorofluoromethane	1.76	101	78248	5.393	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44974	5.479	ug/L 99
12) 1,1-Dichloroethene	2.13	96	39753	5.228	ug/L 98
13) Acetone	2.20	43	87525	57.500	ug/L 98
14) Carbon disulfide	2.31	76	109677	5.103	ug/L 98
15) Methyl Acetate	2.46	43	19483	5.382	ug/L 94
16) Methylene chloride	2.52	84	47019	5.009	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	113240	5.306	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	45764	5.376	ug/L 98
19) 1,1-Dichloroethane	3.21	63	92392	5.527	ug/L 100
21) 2-Butanone	4.01	43	129737	55.257	ug/L 96
22) cis-1,2-Dichloroethene	3.94	96	50790	5.396	ug/L 99

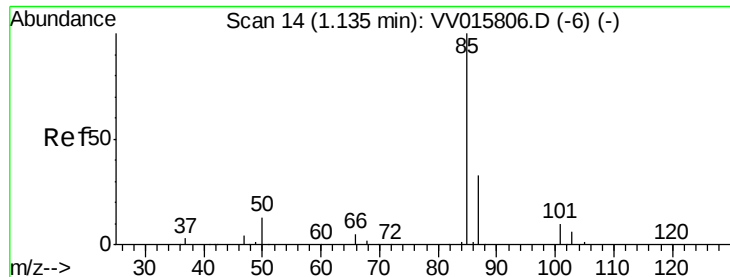
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	20432	5.314	ug/L	98
25) Chloroform	4.40	83	101025	5.693	ug/L	97
27) 1,2-Dichloroethane	5.16	62	62821	5.388	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	84137	5.335	ug/L	100
30) Cyclohexane	4.70	56	79977	5.308	ug/L	100
31) Carbon tetrachloride	4.85	117	70207	5.375	ug/L	98
33) Benzene	5.12	78	193443	5.444	ug/L	100
34) Trichloroethene	5.94	95	52469	5.347	ug/L	98
35) Methylcyclohexane	6.15	83	80658	5.356	ug/L	99
37) 1,2-Dichloropropane	6.20	63	48155	5.332	ug/L	100
38) Bromodichloromethane	6.53	83	61359	5.350	ug/L #	99
39) cis-1,3-Dichloropropene	7.05	75	68111	5.410	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	314772	53.700	ug/L	99
42) Toluene	7.41	91	204521	5.387	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	57167	5.404	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	32987	5.359	ug/L	97
47) Tetrachloroethene	8.00	164	37942	5.370	ug/L	94
48) 2-Hexanone	8.16	43	231146	55.297	ug/L	99
49) Dibromochloromethane	8.27	129	35310	5.542	ug/L	97
50) 1,2-Dibromoethane	8.37	107	30232	5.310	ug/L #	97
51) Chlorobenzene	8.90	112	133281	5.359	ug/L	99
52) Ethylbenzene	9.03	91	238515	5.428	ug/L	99
53) m,p-xylene	9.16	106	89403	5.555	ug/L	99
54) o-xylene	9.56	106	84454	5.423	ug/L	100
55) Styrene	9.58	104	145100	5.491	ug/L	97
56) Isopropylbenzene	9.95	105	238742	5.465	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	38334	5.333	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	30209	5.239	ug/L	99
61) Bromoform	9.75	173	15112	5.709	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	109969	5.419	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	108153	5.284	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	99417	5.416	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6184	5.171	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	81149	5.411	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	72523	5.254	ug/L	99
69) Naphthalene	13.53	128	118975	4.816	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	63075	5.178	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.162 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015826.D

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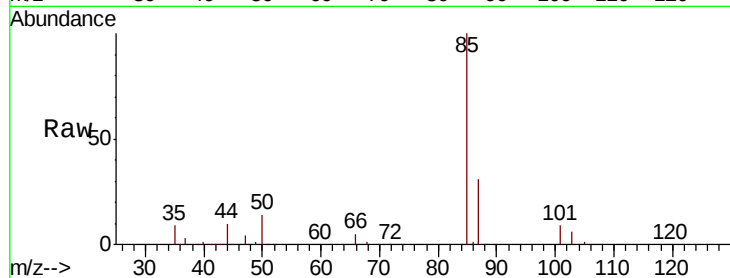
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 57757

Ion Ratio Lower Upper

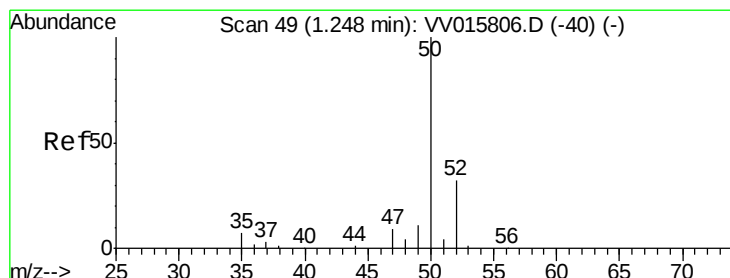
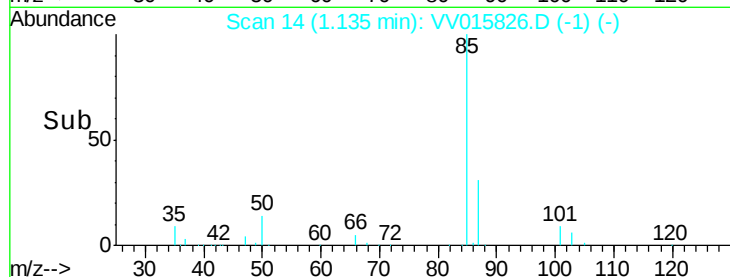
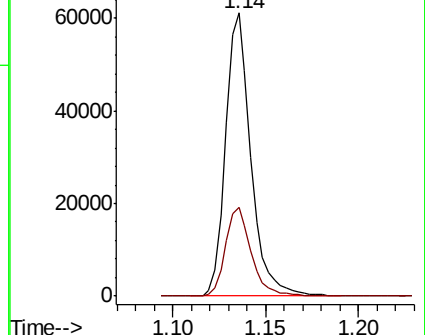
85 100

87 31.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015826.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015826.D (-6) (-)



#3

Chloromethane

Concen: 5.427 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015826.D

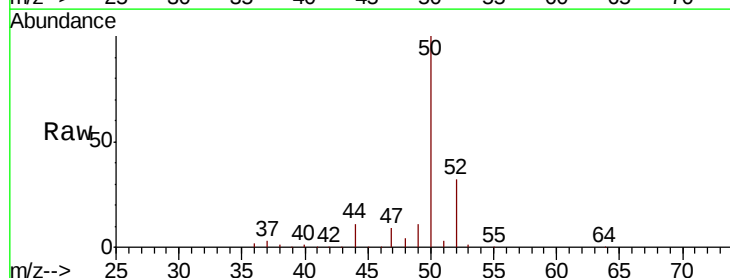
Acq: 30 Apr 2020 10:26

Tgt Ion: 50 Resp: 52532

Ion Ratio Lower Upper

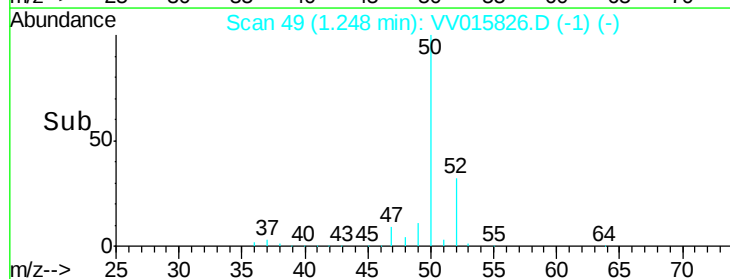
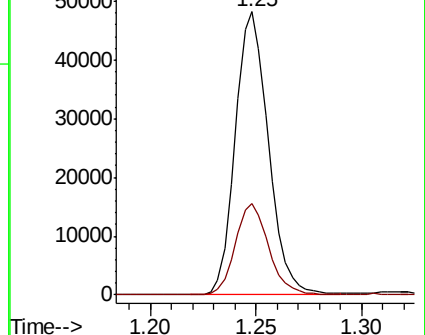
50 100

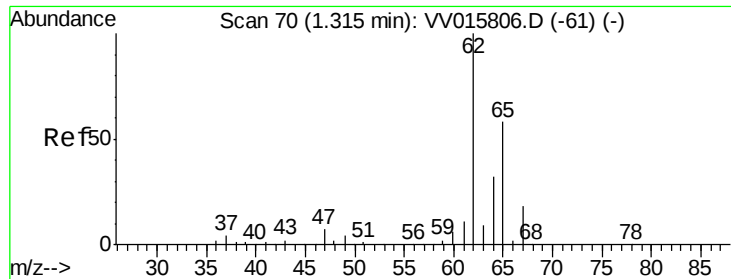
52 32.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015826.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015826.D (-40) (-)





#5

Vinyl chloride

Concen: 5.247 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

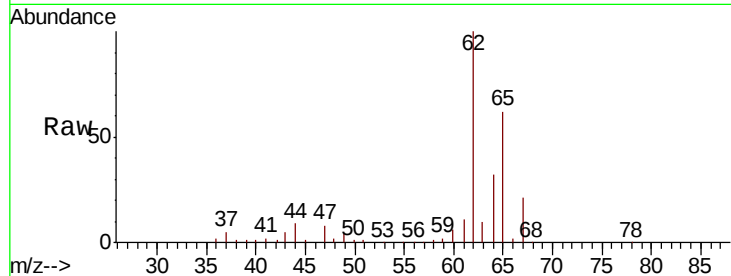
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 54243

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

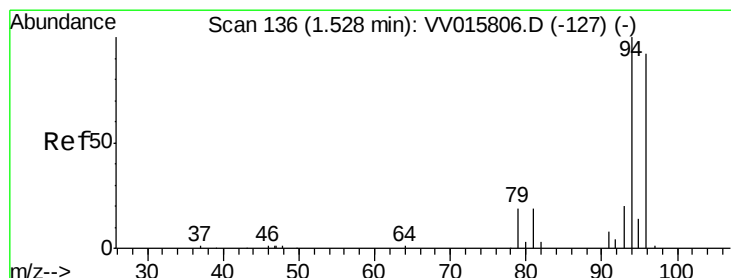
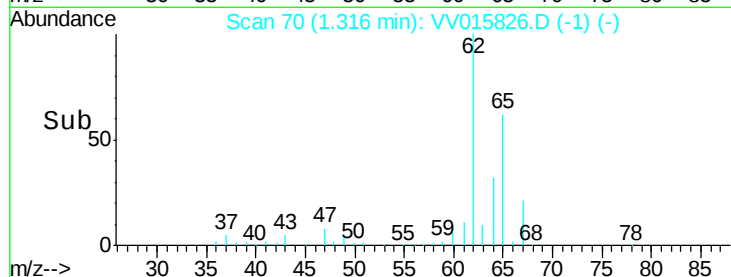
20000

10000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 6.314 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015826.D

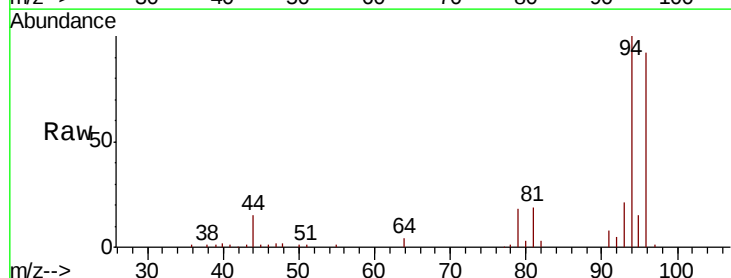
Acq: 30 Apr 2020 10:26

Tgt Ion: 94 Resp: 28029

Ion Ratio Lower Upper

94 100

96 91.5 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

25000

20000

15000

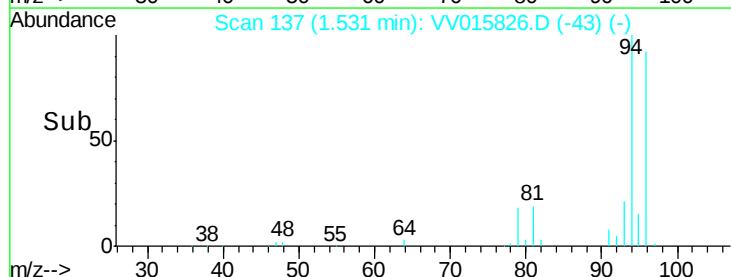
10000

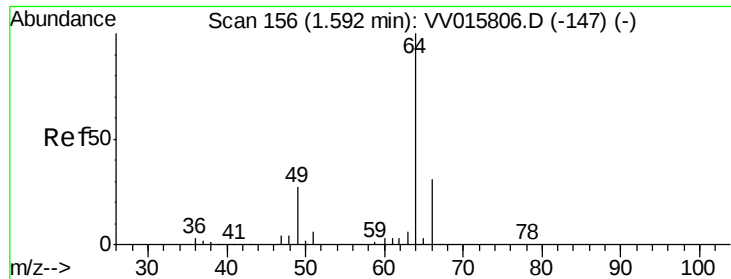
5000

0

Time-->

1.50 1.55 1.60

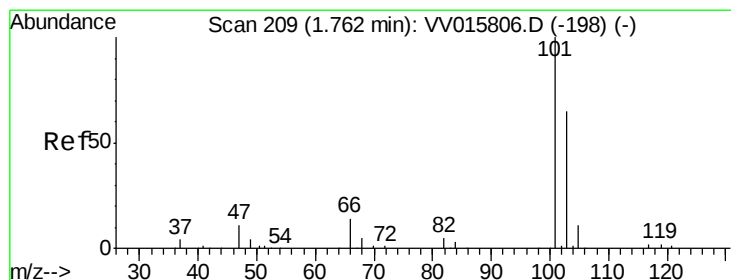
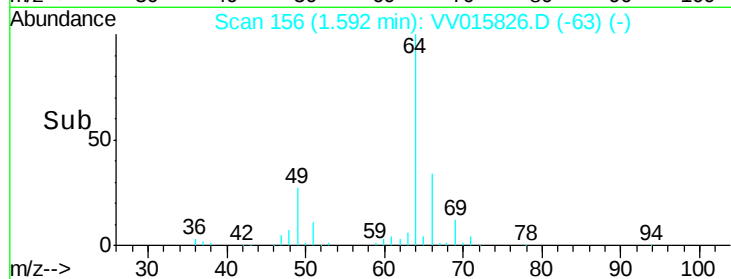
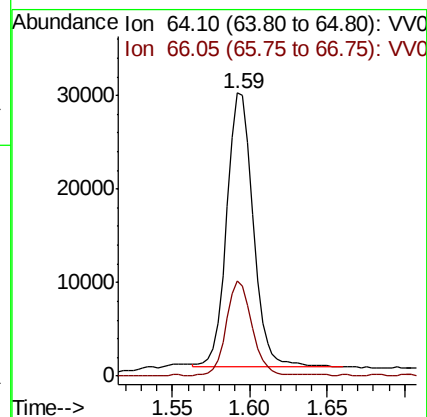
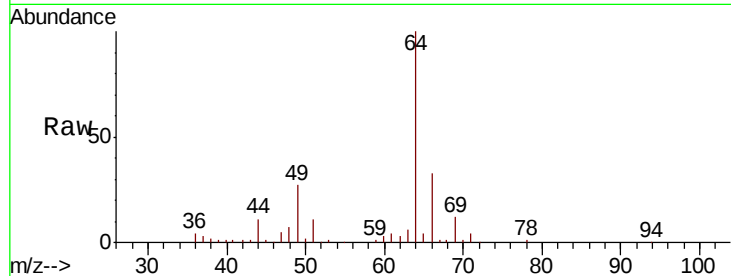




#8
Chloroethane
Concen: 5.108 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

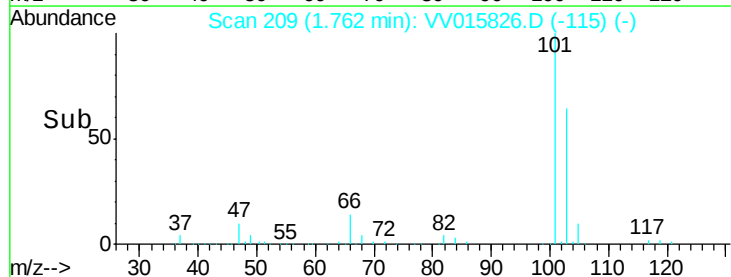
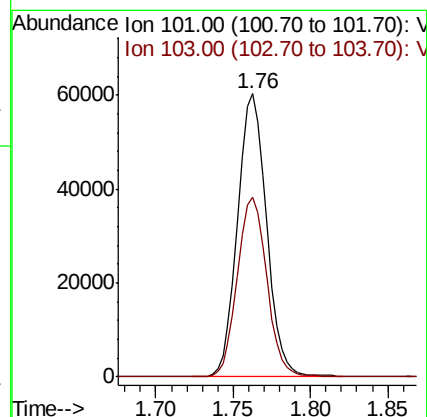
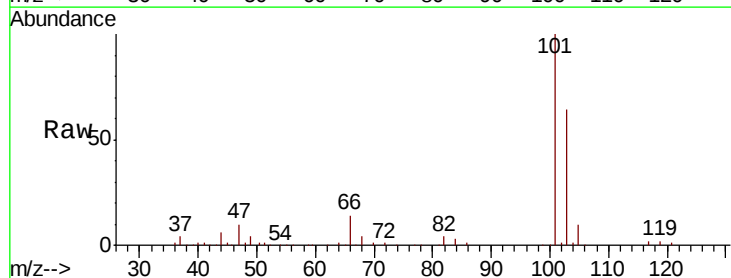
Instrument :
MSVOA_V
ClientSampleId :

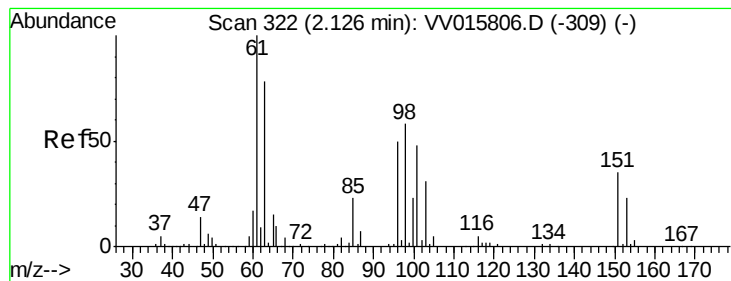
Tot Ion: 64 Resp: 34687
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.393 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion:101 Resp: 78248
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5





#10

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

Concen: 5.479 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampled :

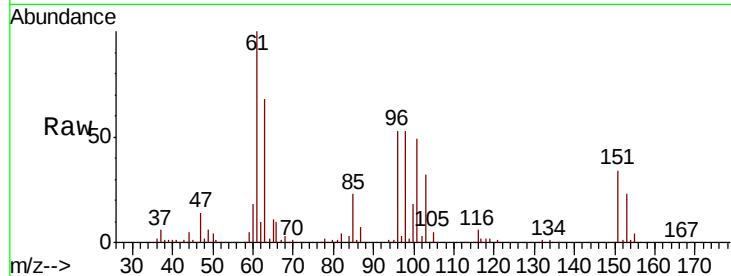
Tot Ion:101 Resp: 44974

Ion Ratio Lower Upper

101 100

85 45.6 36.1 54.1

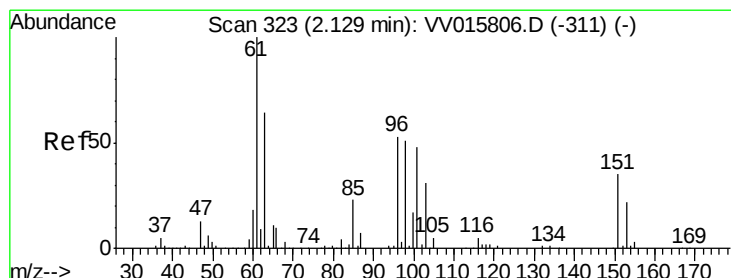
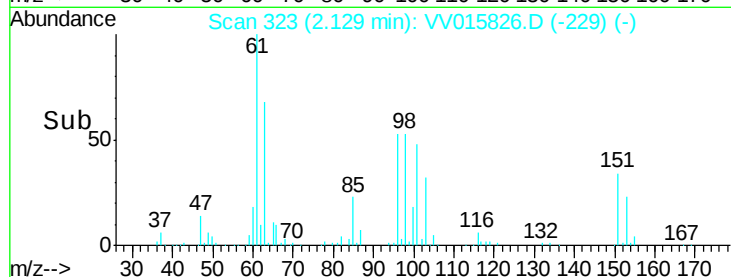
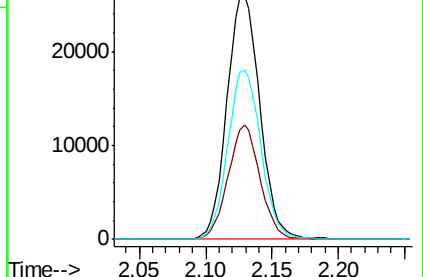
151 69.8 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015826.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015826.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015826.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.228 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

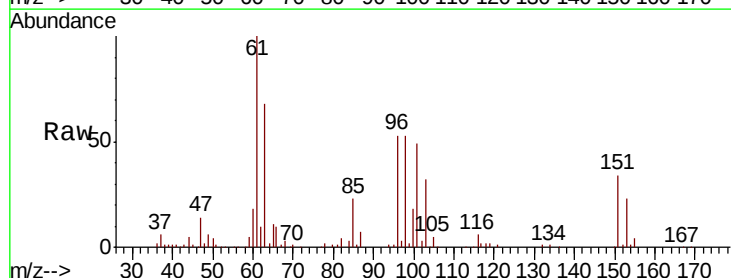
Tgt Ion: 96 Resp: 39753

Ion Ratio Lower Upper

96 100

61 190.4 130.1 241.7

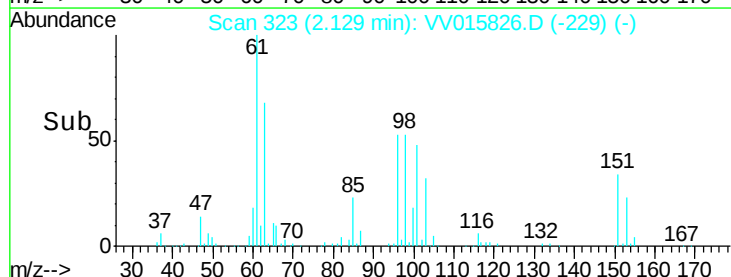
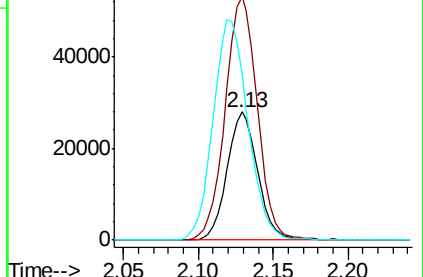
63 129.5 91.4 169.8

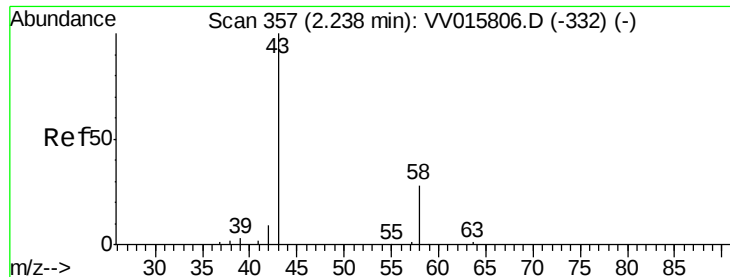


Abundance Ion 96.00 (95.70 to 96.70): VV015826.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015826.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015826.D (-229) (-)





#13

Acetone

Concen: 57.500 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

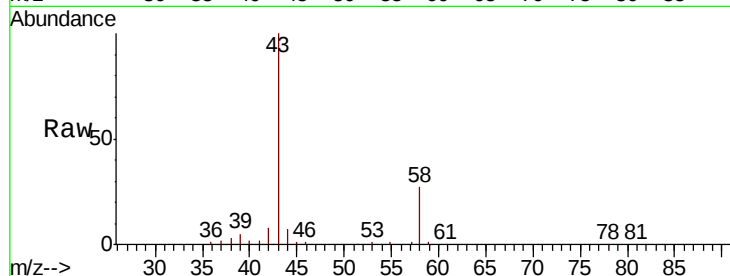
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 87525

Ion Ratio Lower Upper

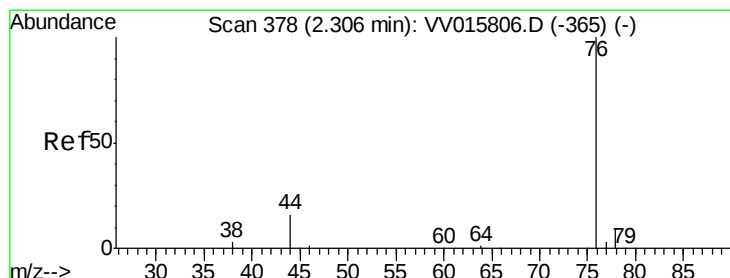
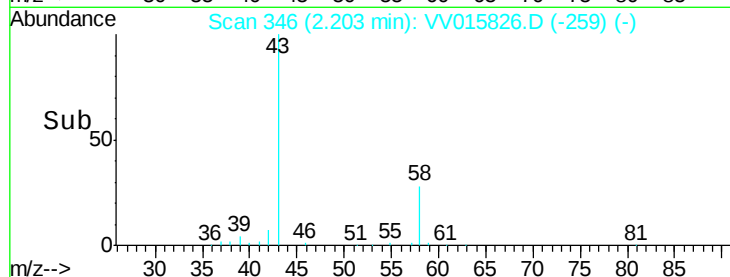
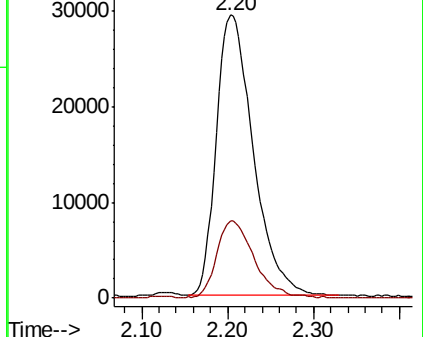
43 100

58 27.9 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015826.D (-259) (-)

Ion 58.05 (57.75 to 58.75): VV015826.D (-259) (-)



#14

Carbon disulfide

Concen: 5.103 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015826.D

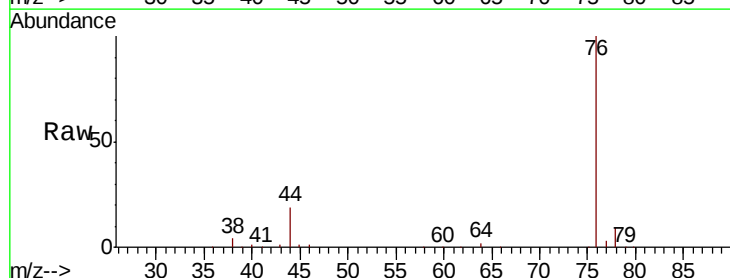
Acq: 30 Apr 2020 10:26

Tgt Ion: 76 Resp: 109677

Ion Ratio Lower Upper

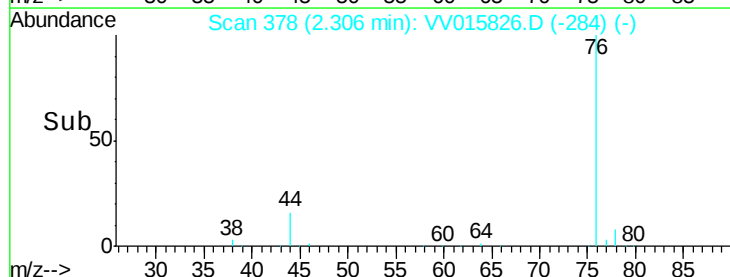
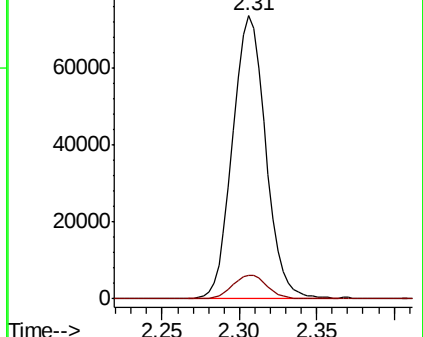
76 100

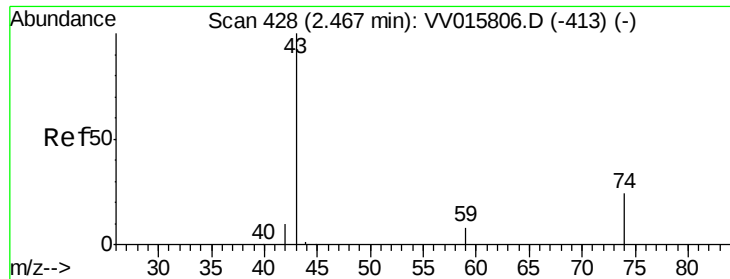
78 8.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015826.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV015826.D (-284) (-)

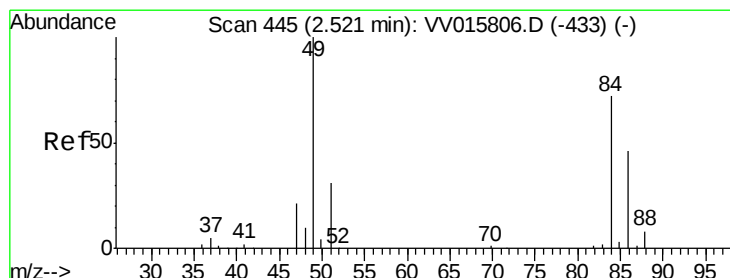
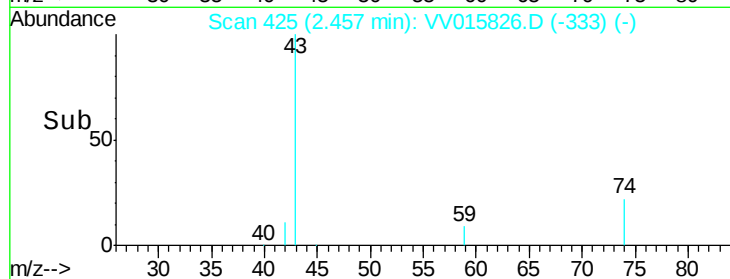
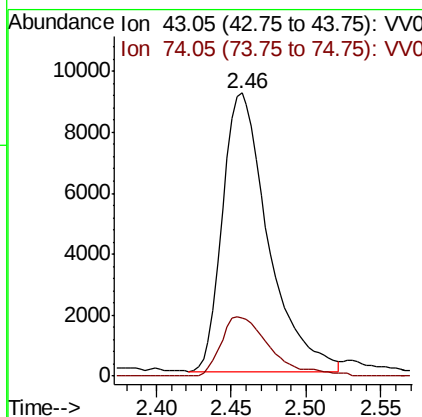
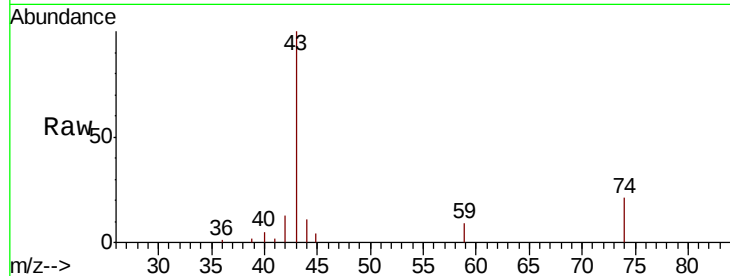




#15
Methvl Acetate
Concen: 5.382 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

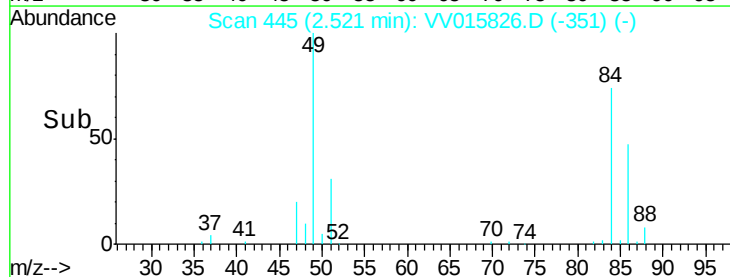
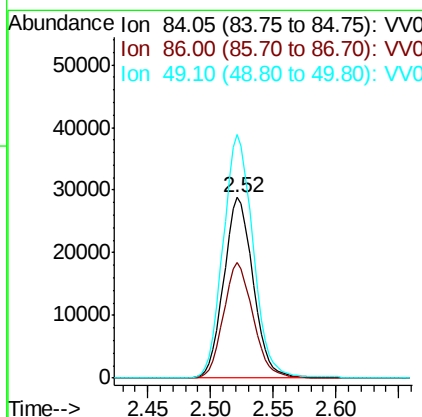
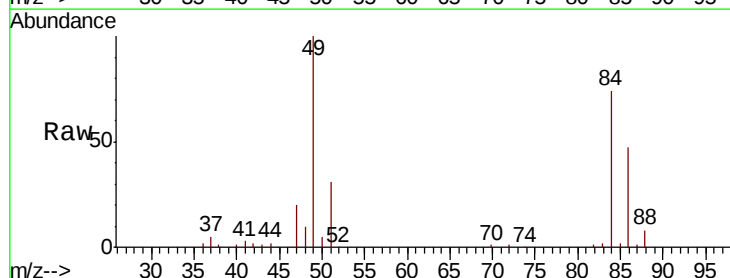
Instrument :
MSVOA_V
ClientSampled :

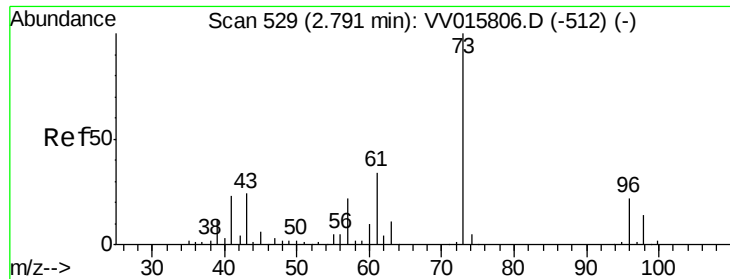
Tot Ion: 43 Resp: 19483
Ion Ratio Lower Upper
43 100
74 23.1 16.3 24.5



#16
Methylene chloride
Concen: 5.009 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion: 84 Resp: 47019
Ion Ratio Lower Upper
84 100
86 63.8 45.1 83.7
49 134.9 94.4 175.4

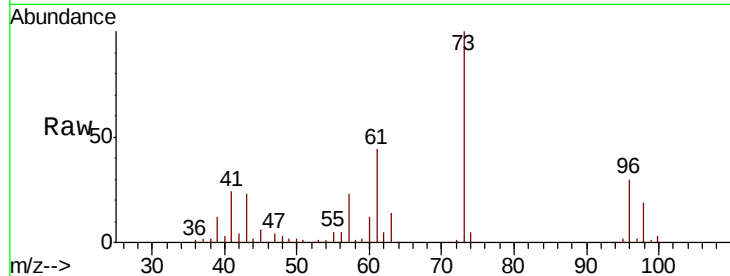




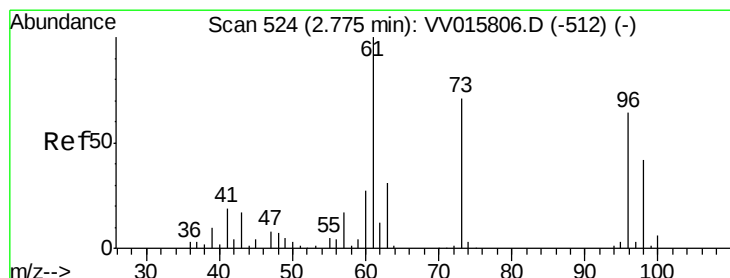
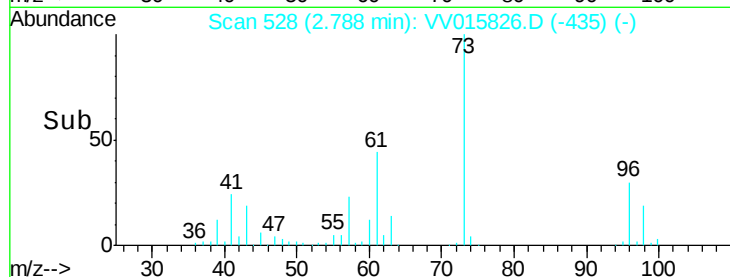
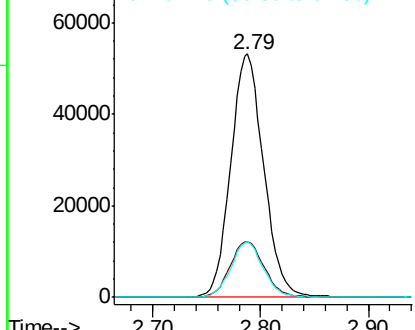
#17
Methvl tert-butvl Ether
Concen: 5.306 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 113240
Ion Ratio Lower Upper
73 100
43 23.8 20.1 30.1
57 22.2 17.8 26.8

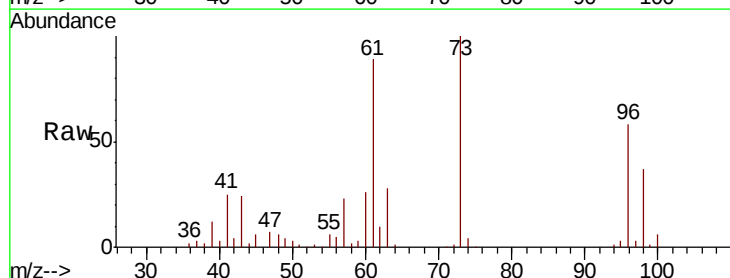


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

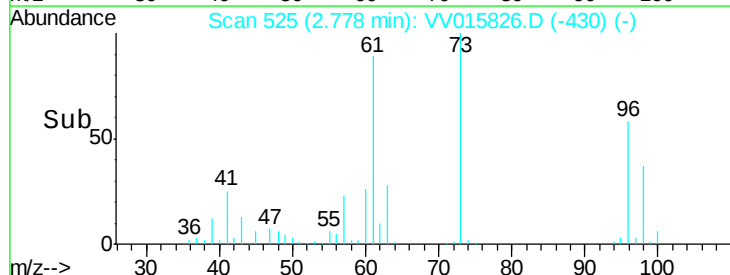
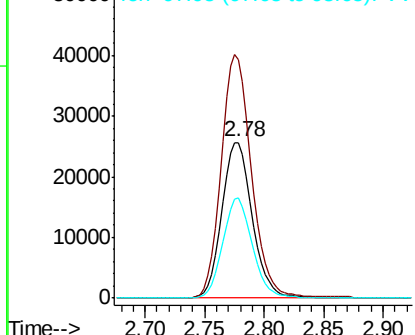


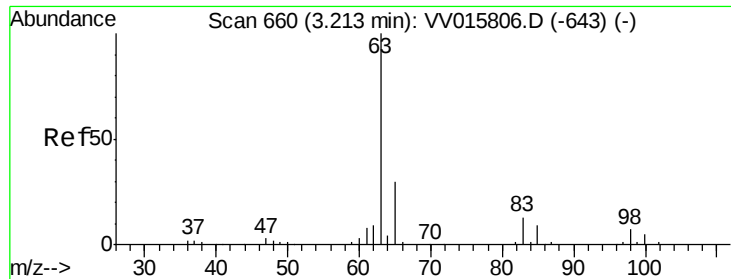
#18
trans-1,2-Dichloroethene
Concen: 5.376 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion: 96 Resp: 45764
Ion Ratio Lower Upper
96 100
61 152.8 105.5 195.9
98 64.1 44.2 82.0



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

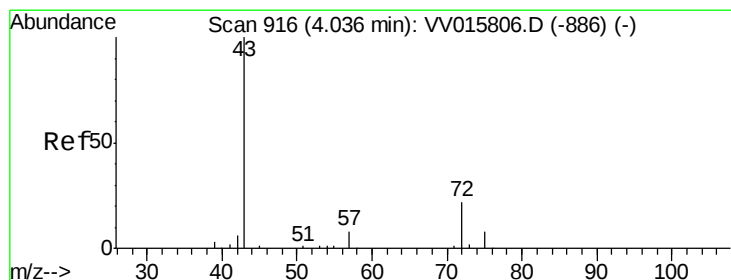
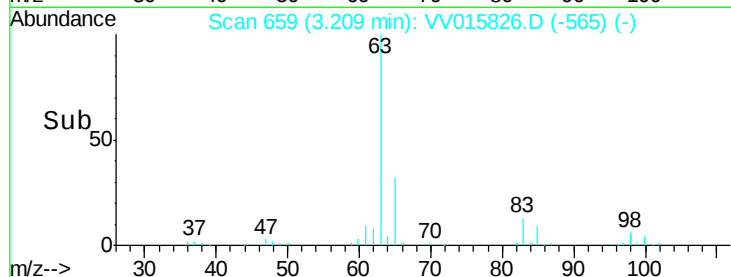
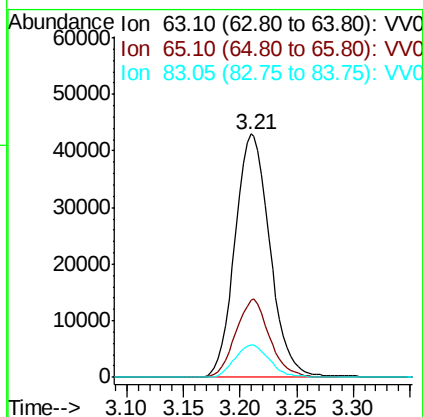
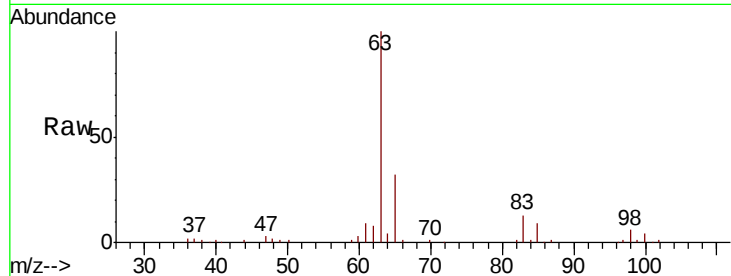




#19
 1,1-Dichloroethane
 Concen: 5.527 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

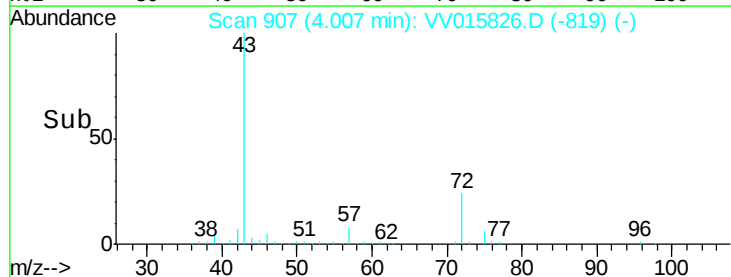
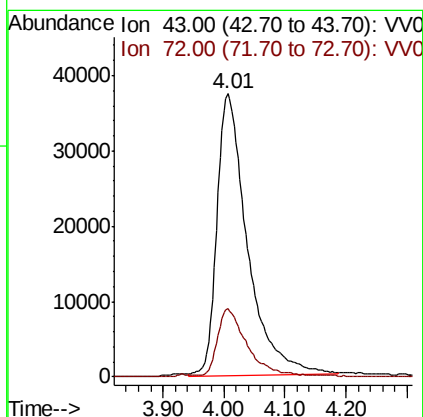
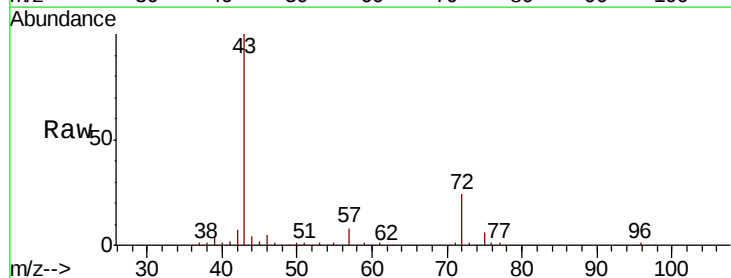
Instrument :
 MSVOA_V
 ClientSampled :

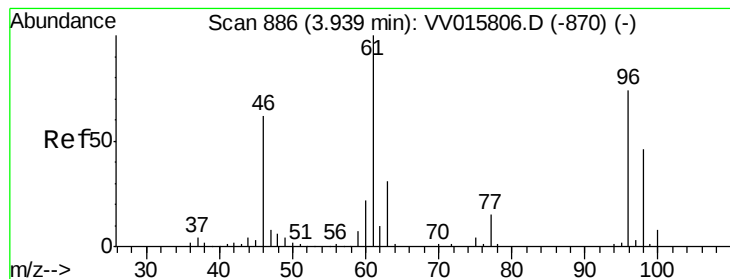
Tot Ion: 63 Resp: 92392
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.3 41.3
 83 13.4 9.3 17.3



#21
 2-Butanone
 Concen: 55.257 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Tgt Ion: 43 Resp: 129737
 Ion Ratio Lower Upper
 43 100
 72 22.4 12.3 36.9



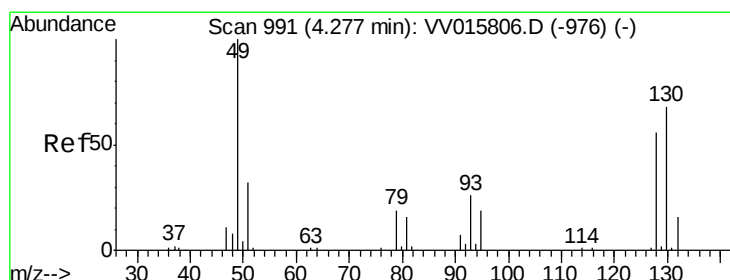
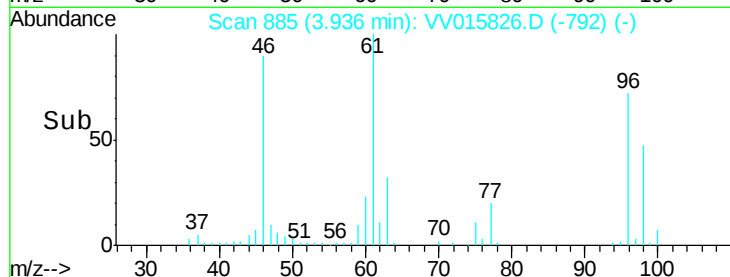
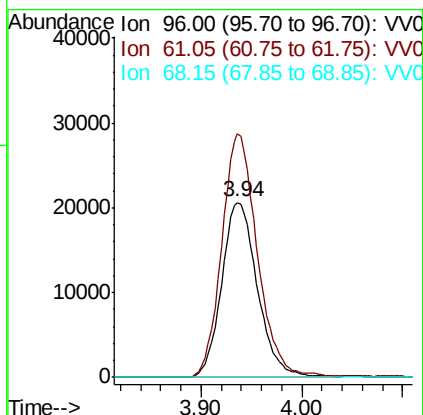
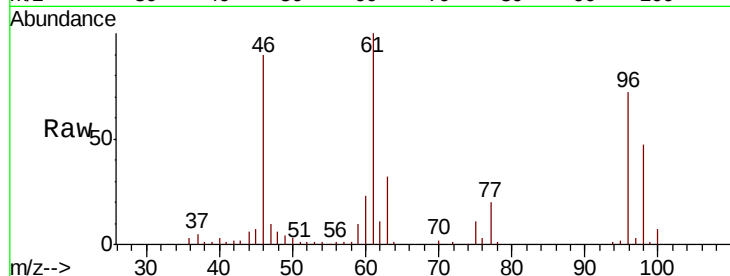


#22

cis-1,2-Dichloroethene
 Concen: 5.396 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Instrument :
 MSVOA_V
 ClientSampleId :

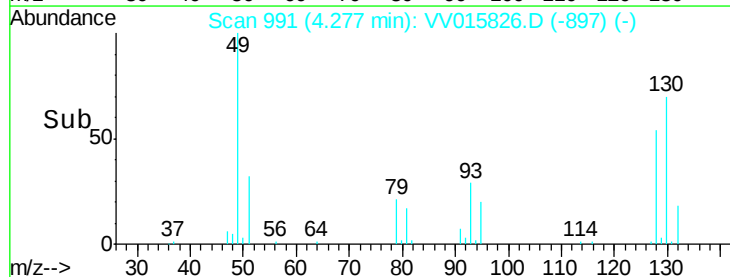
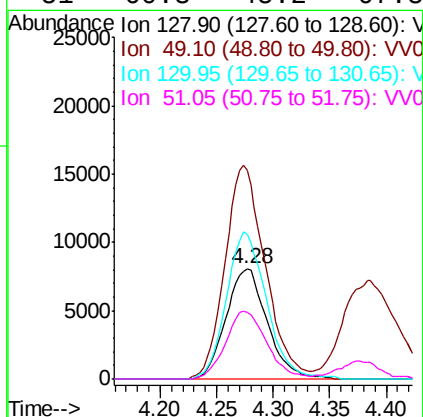
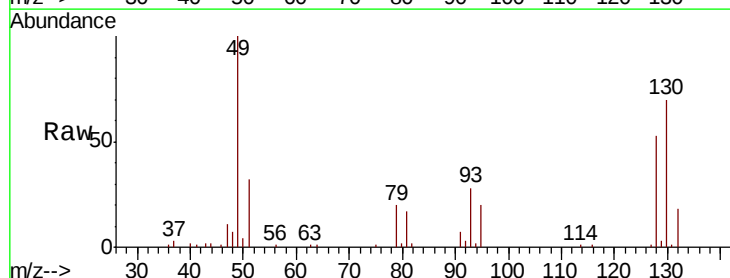
Tot Ion: 96 Resp: 50790
 Ion Ratio Lower Upper
 96 100
 61 139.0 96.4 179.0
 68 0.0 0.0 0.0

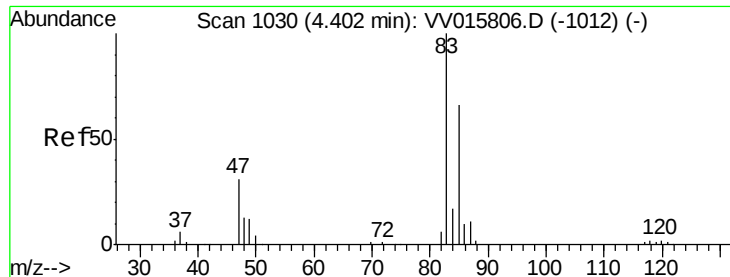


#23

Bromochloromethane
 Concen: 5.314 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Tgt Ion: 128 Resp: 20432
 Ion Ratio Lower Upper
 128 100
 49 188.2 130.8 242.8
 130 131.0 91.1 169.3
 51 60.3 45.2 67.8

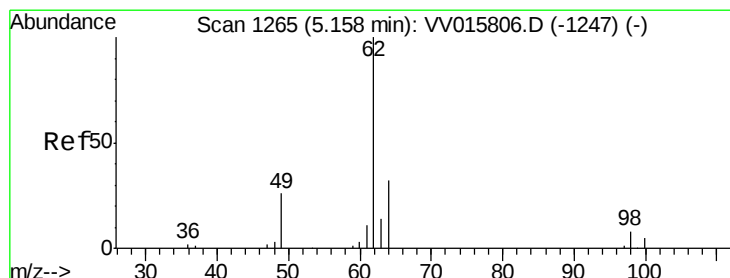
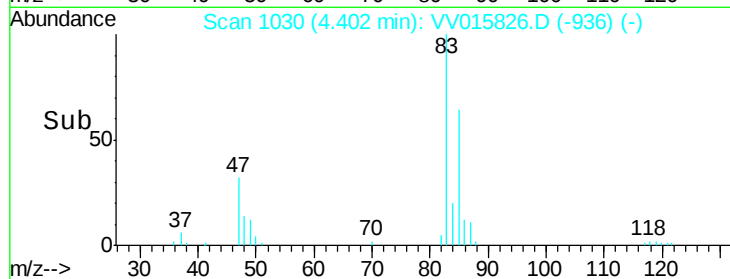
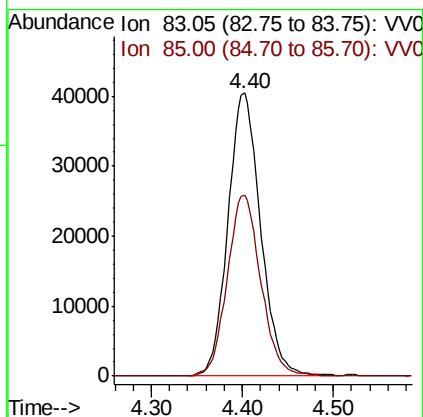
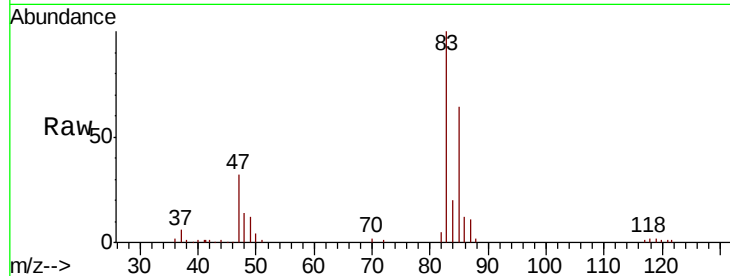




#25
Chloroform
Concen: 5.693 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

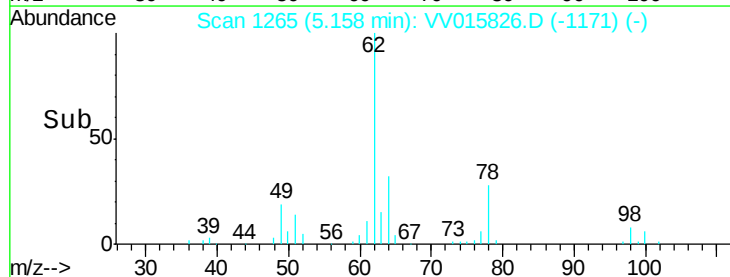
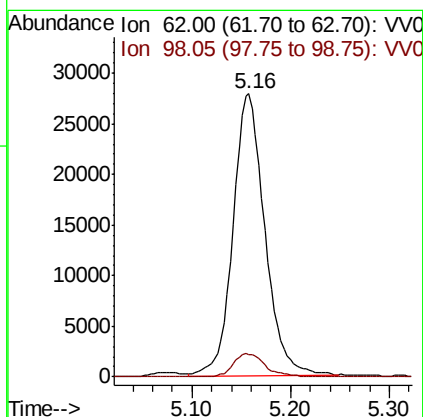
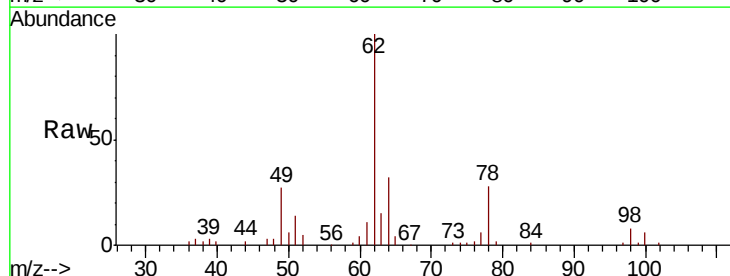
Instrument :
MSVOA_V
ClientSampleId :

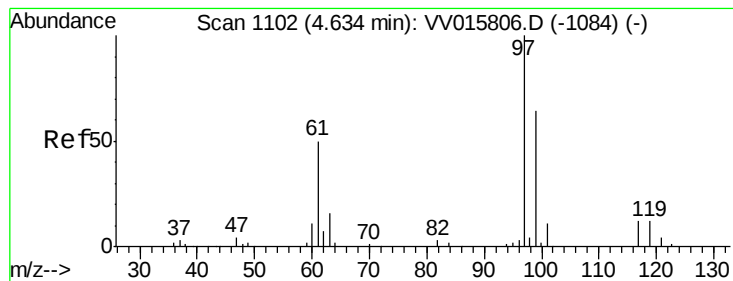
Tot Ion: 83 Resp: 101025
Ion Ratio Lower Upper
83 100
85 63.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.388 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion: 62 Resp: 62821
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.335 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampled :

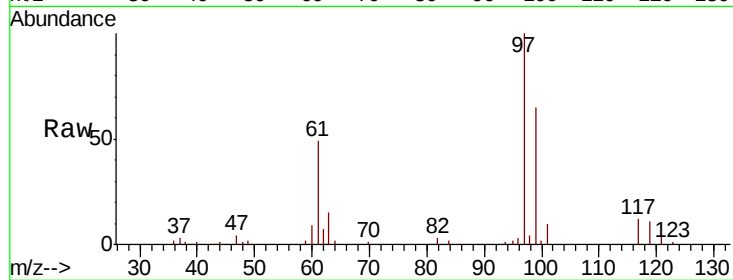
Tot Ion: 97 Resp: 84137

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

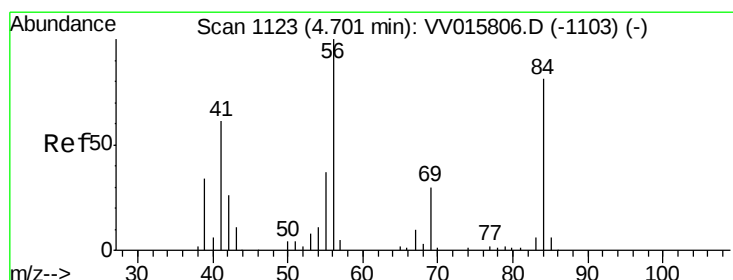
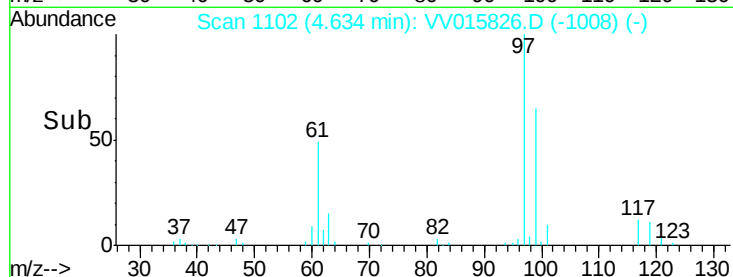
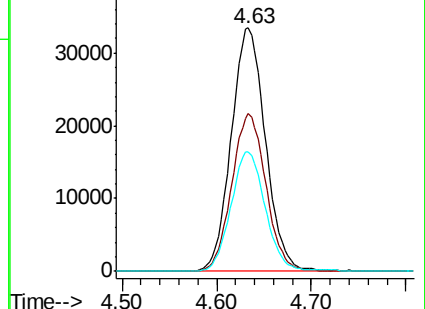
61 48.9 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.308 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

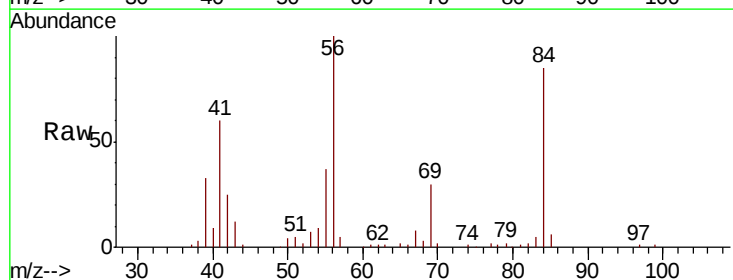
Tgt Ion: 56 Resp: 79977

Ion Ratio Lower Upper

56 100

69 29.9 23.9 35.9

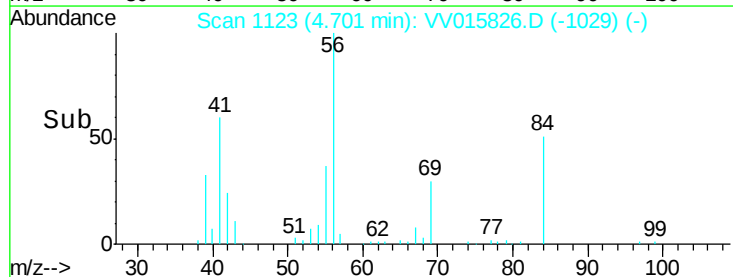
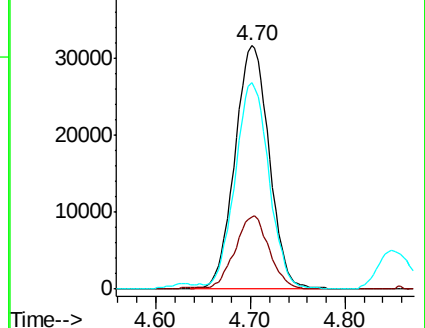
84 83.9 66.9 100.3

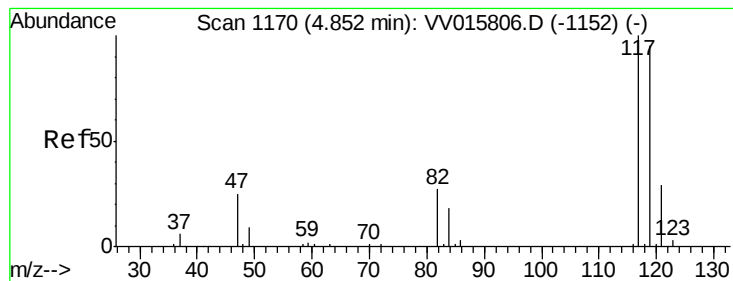


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.375 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

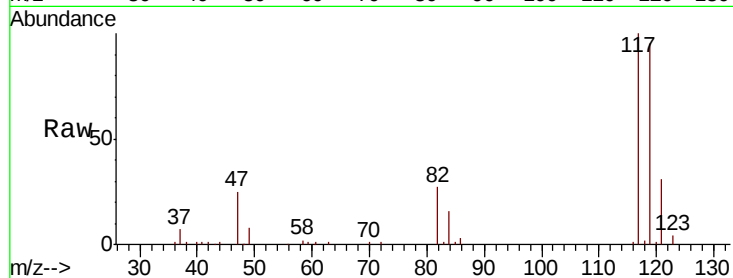
ClientSampleId :

Tot Ion:117 Resp: 70207

Ion Ratio Lower Upper

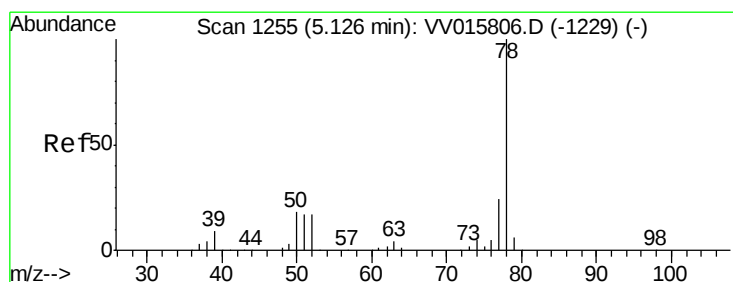
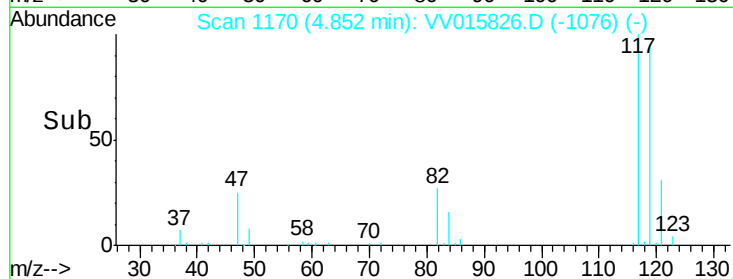
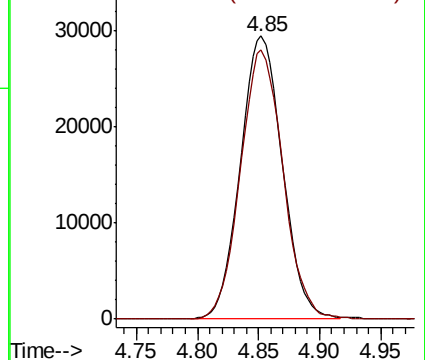
117 100

119 96.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.444 ug/L

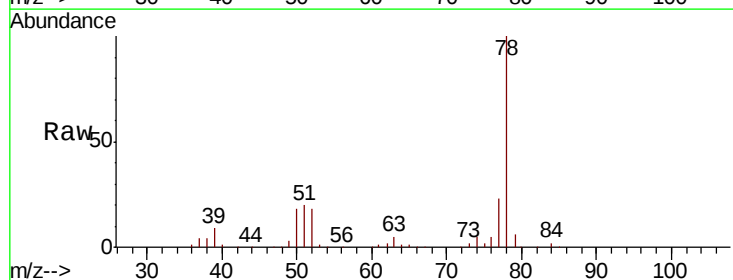
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

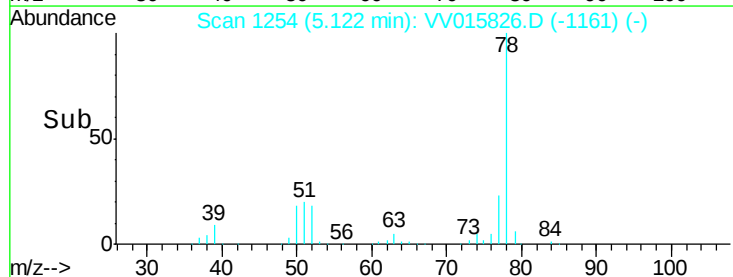
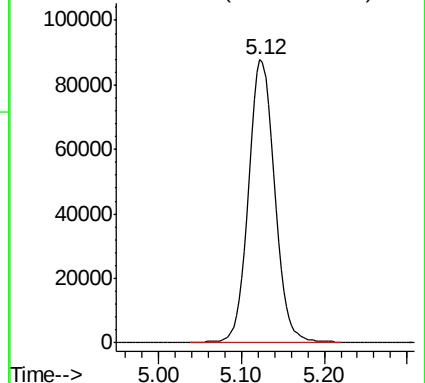
Lab File: VV015826.D

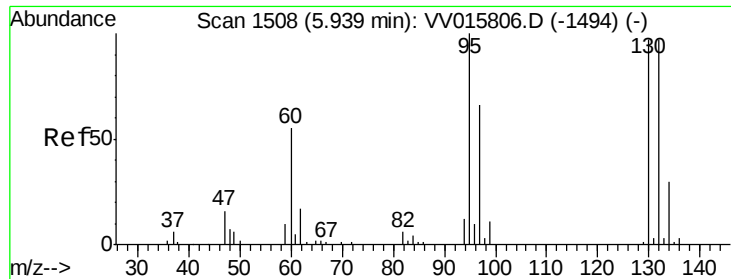
Acq: 30 Apr 2020 10:26

Tgt Ion: 78 Resp: 193443



Abundance Ion 78.10 (77.80 to 78.80): VV0

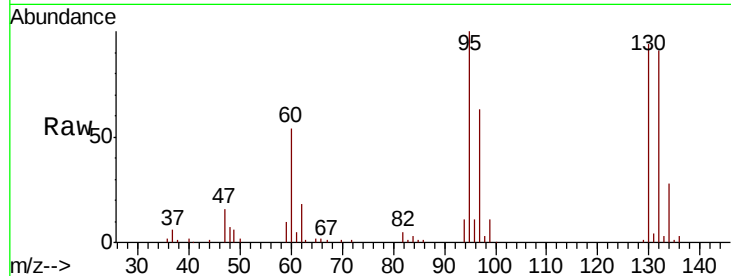




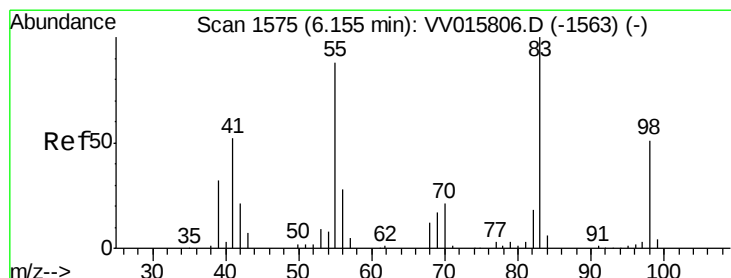
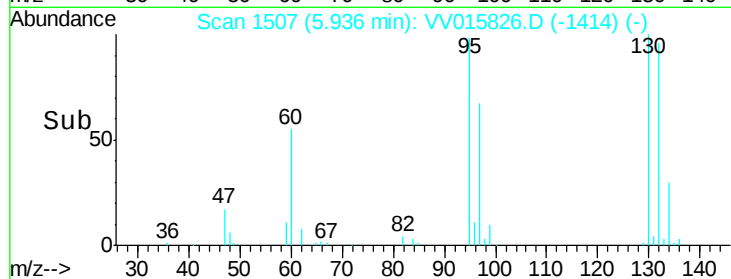
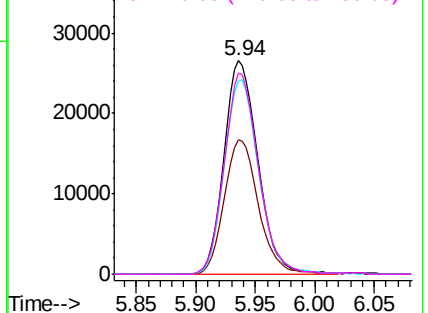
#34
 Trichloroethene
 Concen: 5.347 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 52469
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.7 82.9
 132 90.8 65.2 121.0
 130 94.2 65.0 120.6

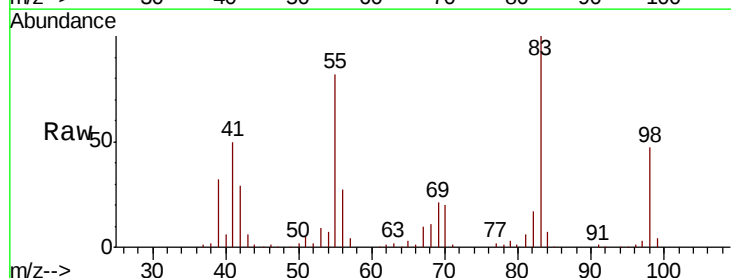


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

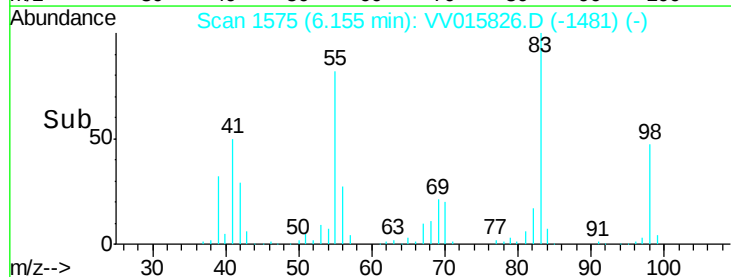
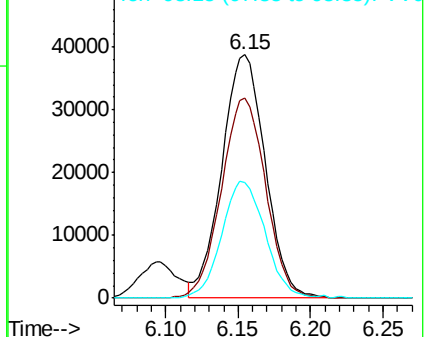


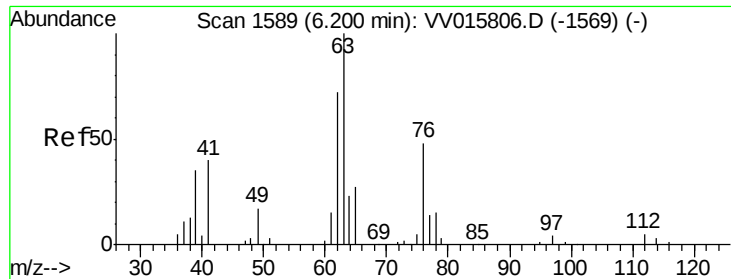
#35
 Methylcyclohexane
 Concen: 5.356 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Tgt Ion: 83 Resp: 80658
 Ion Ratio Lower Upper
 83 100
 55 83.9 66.6 99.8
 98 47.9 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

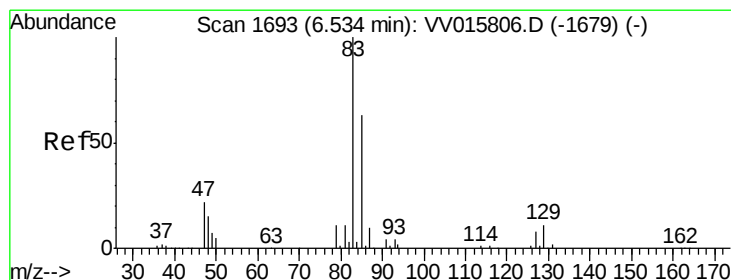
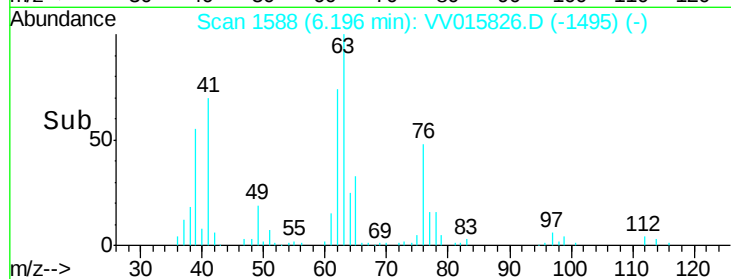
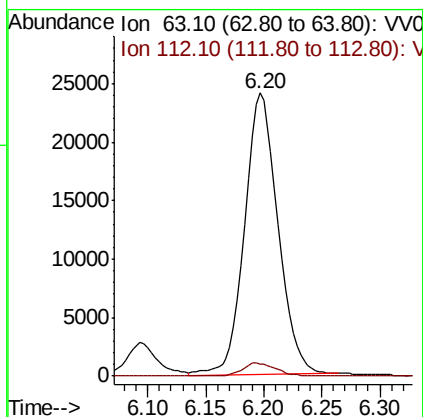
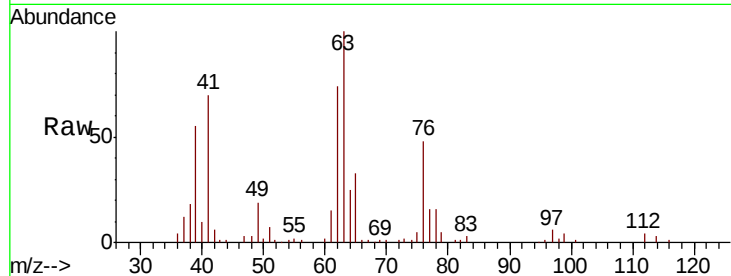




#37
 1,2-Dichloropropane
 Concen: 5.332 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

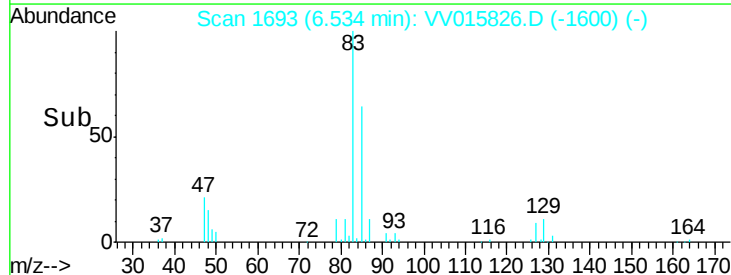
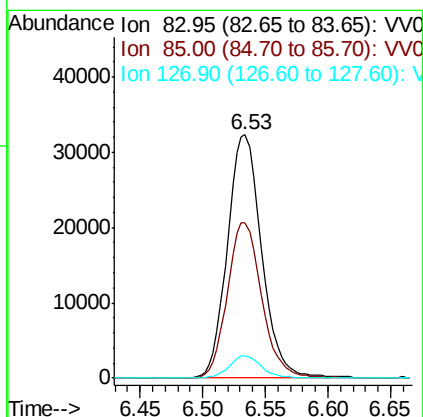
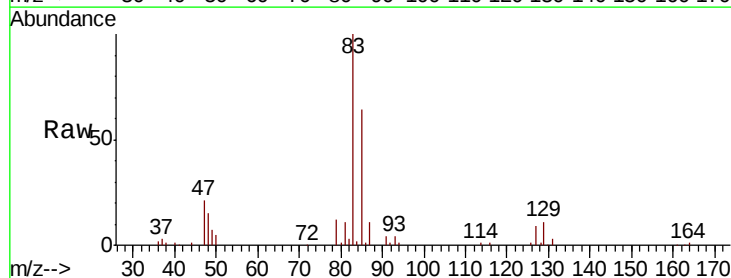
Instrument :
 MSVOA_V
 ClientSampleId :

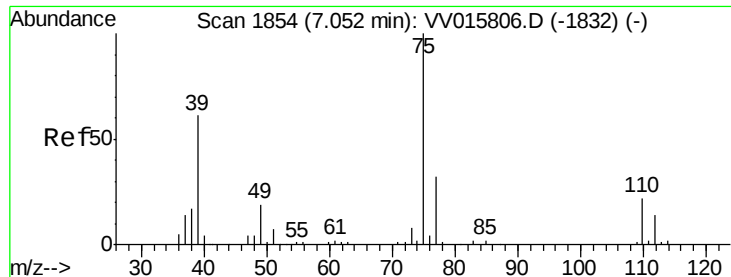
Tot Ion: 63 Resp: 48155
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.350 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Tgt Ion: 83 Resp: 61359
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 9.1 5.8 8.6#



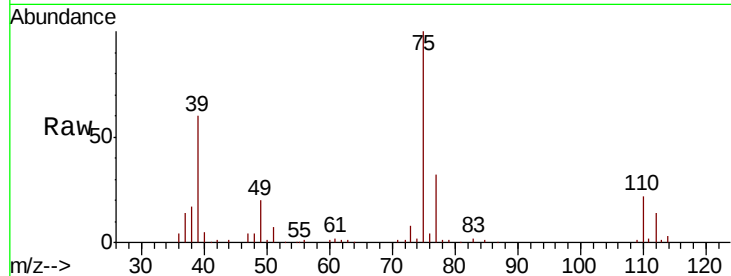


#39

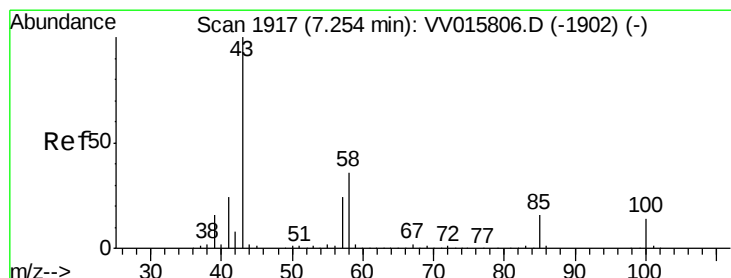
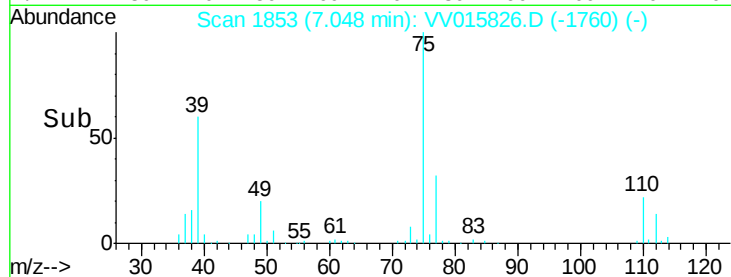
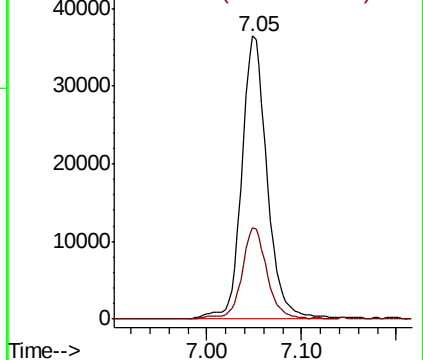
cis-1,3-Dichloropropene
Concen: 5.410 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 68111
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5



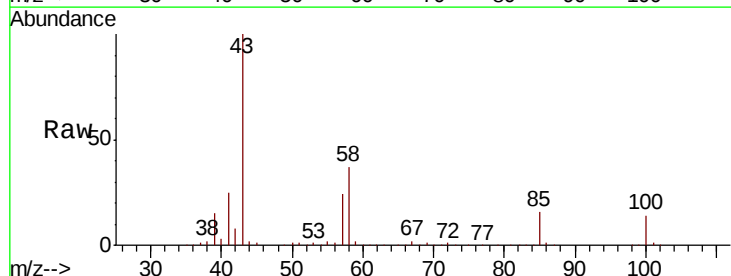
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



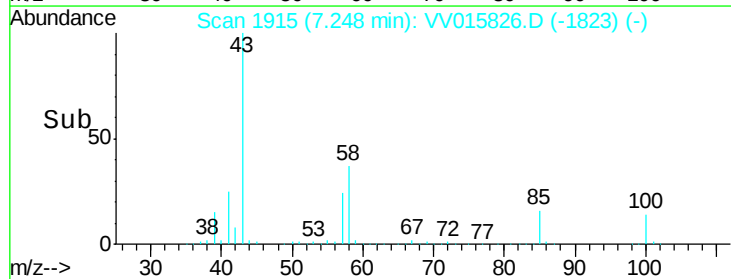
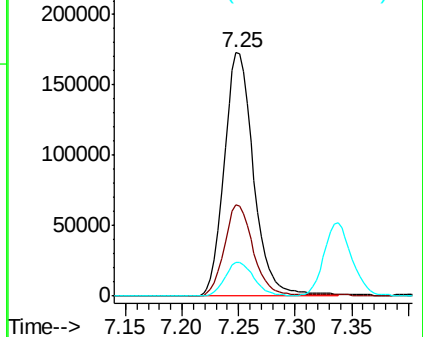
#40

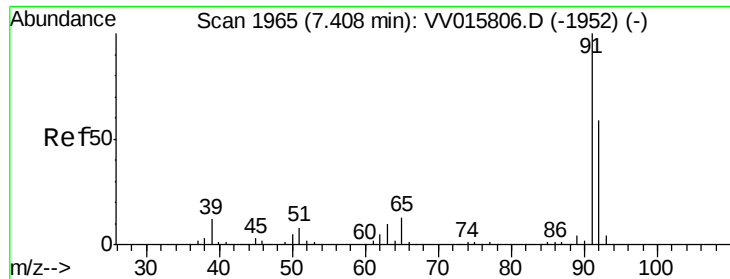
4-Methyl-2-pentanone
Concen: 53.700 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion: 43 Resp: 314772
Ion Ratio Lower Upper
43 100
58 36.7 29.2 43.8
100 13.7 11.4 17.2



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: 5.387 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

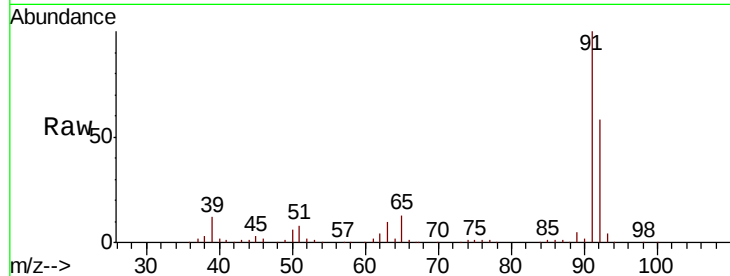
ClientSampled :

Tot Ion: 91 Resp: 204521

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

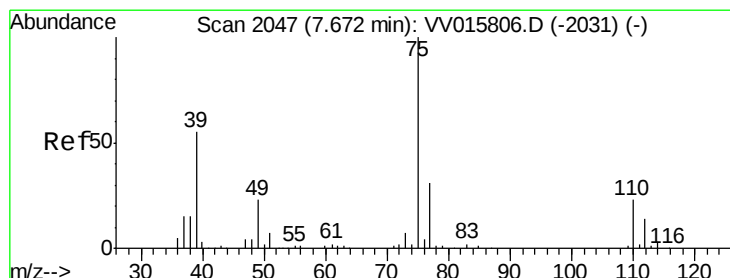
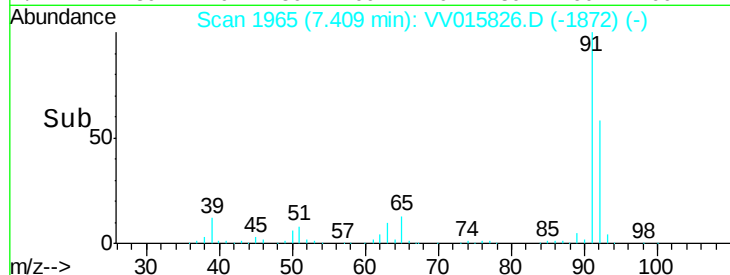
7.41

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.404 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015826.D

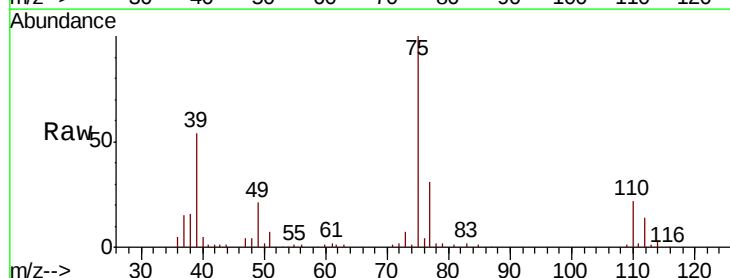
Acq: 30 Apr 2020 10:26

Tgt Ion: 75 Resp: 57167

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

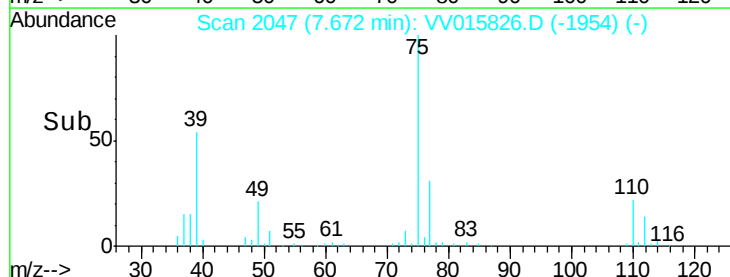
30000

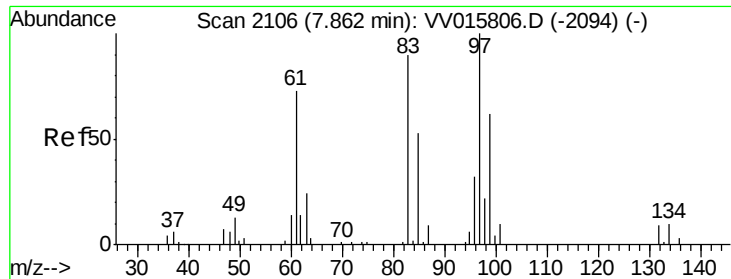
20000

10000

0

Time-->

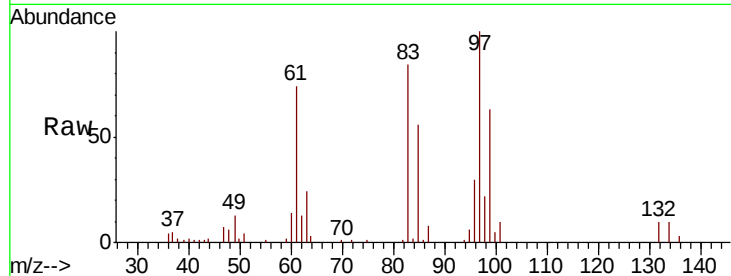




#45
1,1,2-Trichloroethane
Concen: 5.359 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	32987
Ion	Ratio	Lower	Upper
97	100		
99	63.0	45.4	84.4
83	83.8	61.3	113.9
85	56.1	38.4	71.4



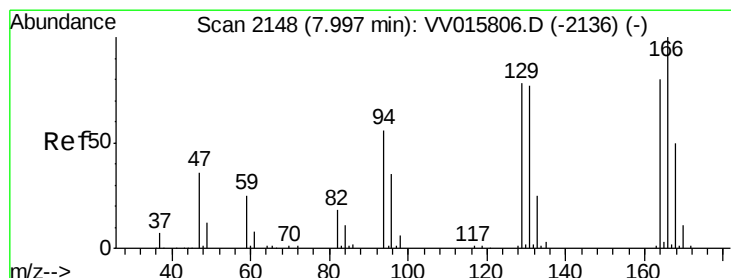
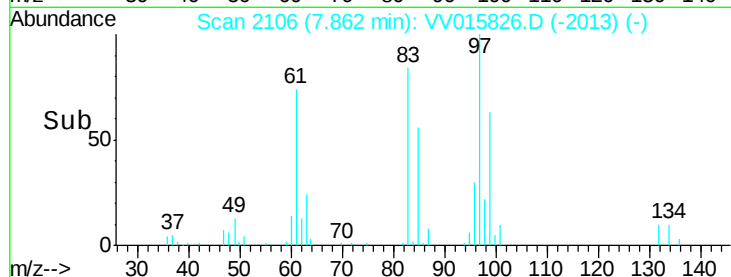
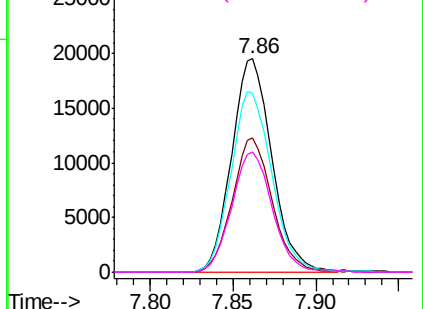
Abundance

Ion 96.95 (96.65 to 97.65): VV015826.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015826.D (-2094) (-)

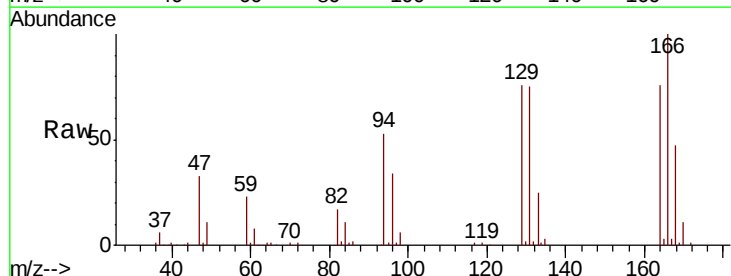
Ion 82.95 (82.65 to 83.65): VV015826.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015826.D (-2094) (-)



#47
Tetrachloroethene
Concen: 5.370 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion:	164	Resp:	37942
Ion	Ratio	Lower	Upper
164	100		
129	99.7	66.7	123.9
131	99.3	66.6	123.6
166	131.5	85.3	158.5



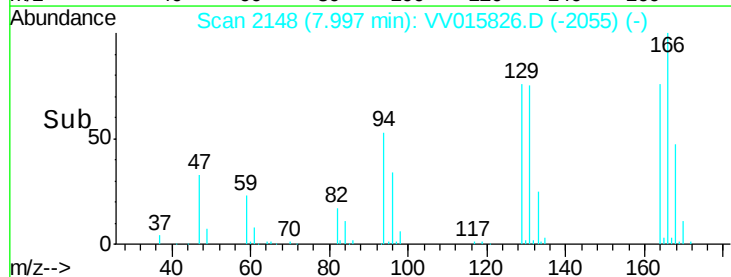
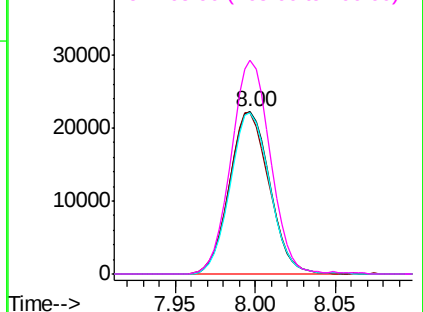
Abundance

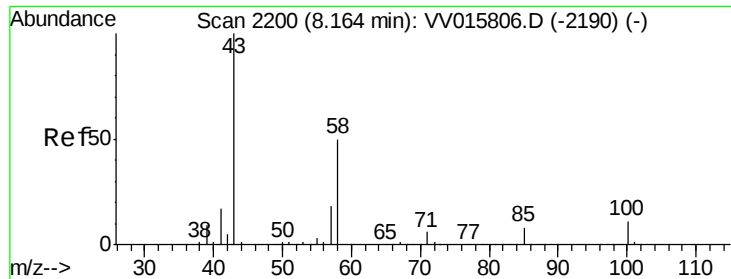
Ion 163.90 (163.60 to 164.60): VV015826.D (-2136) (-)

Ion 128.95 (128.65 to 129.65): VV015826.D (-2136) (-)

Ion 130.95 (130.65 to 131.65): VV015826.D (-2136) (-)

Ion 165.90 (165.60 to 166.60): VV015826.D (-2136) (-)

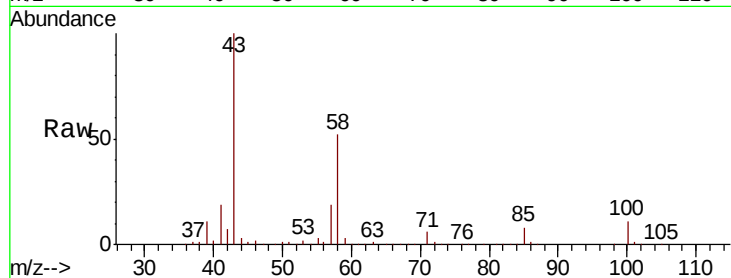




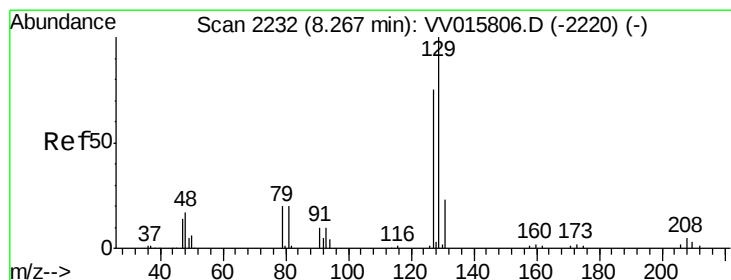
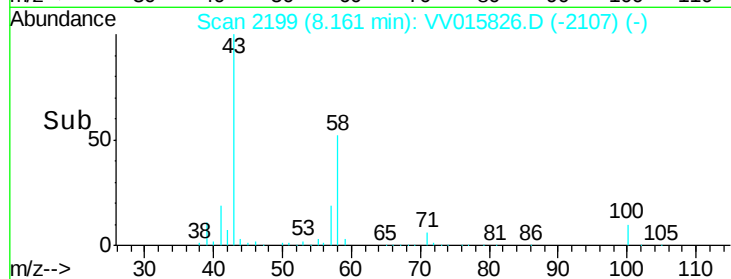
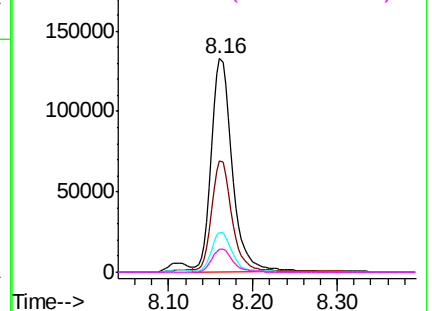
#48
2-Hexanone
Concen: 55.297 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 231146
Ion Ratio Lower Upper
43 100
58 50.7 41.1 61.7
57 18.0 15.0 22.4
100 10.8 9.0 13.4

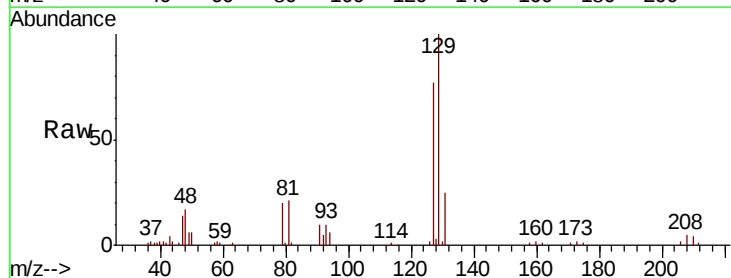


Abundance Ion 43.05 (42.75 to 43.75): VV015826.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV015826.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV015826.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV015826.D (-2190) (-)

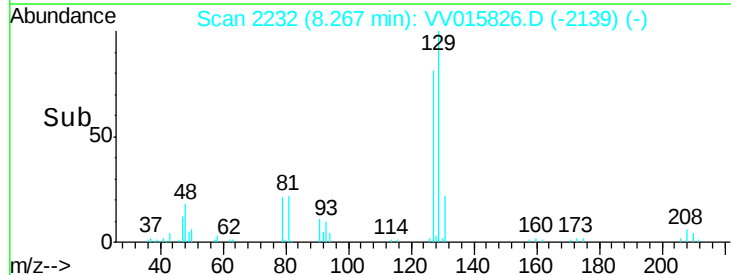
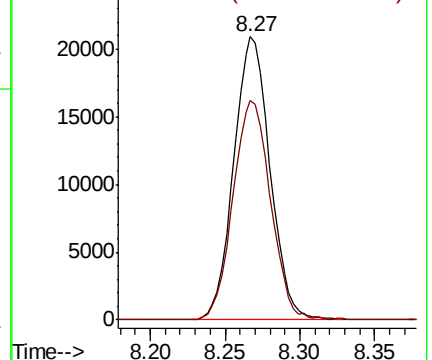


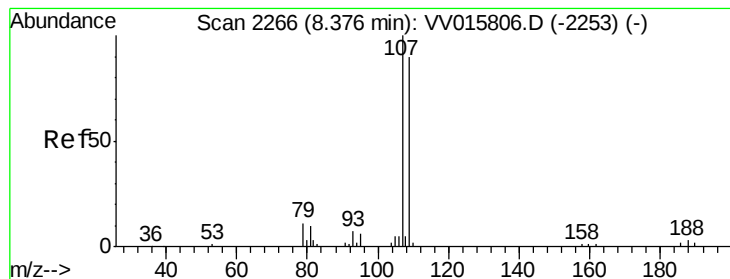
#49
Dibromochloromethane
Concen: 5.542 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion: 129 Resp: 35310
Ion Ratio Lower Upper
129 100
127 77.5 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015826.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015826.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 5.310 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampleId :

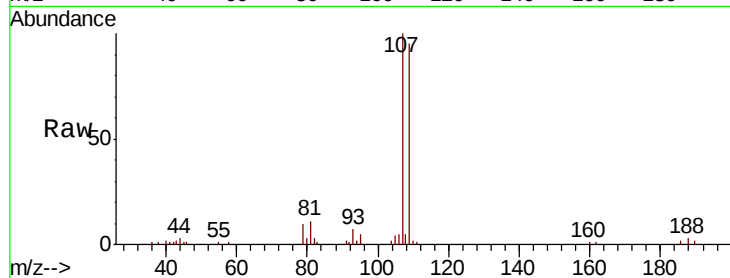
Tot Ion:107 Resp: 30232

Ion Ratio Lower Upper

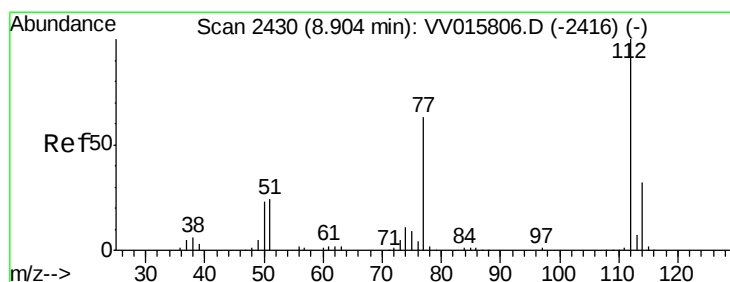
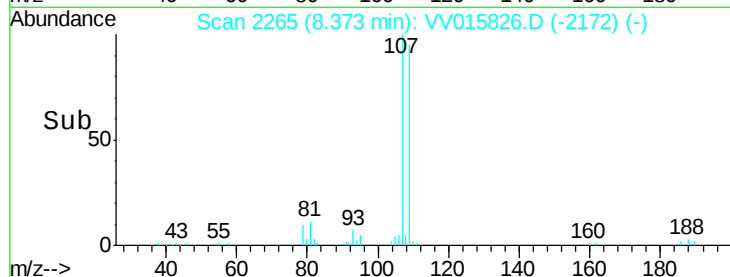
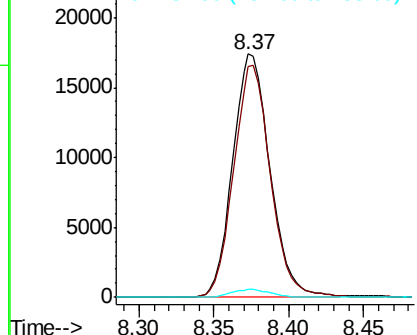
107 100

109 94.6 68.1 126.5

188 3.2 3.2 4.8#



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



#51

Chlorobenzene

Concen: 5.359 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

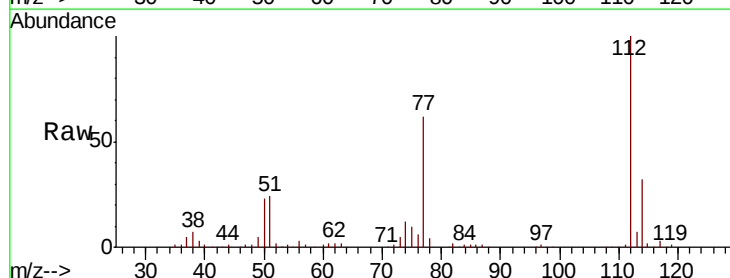
Tgt Ion:112 Resp: 133281

Ion Ratio Lower Upper

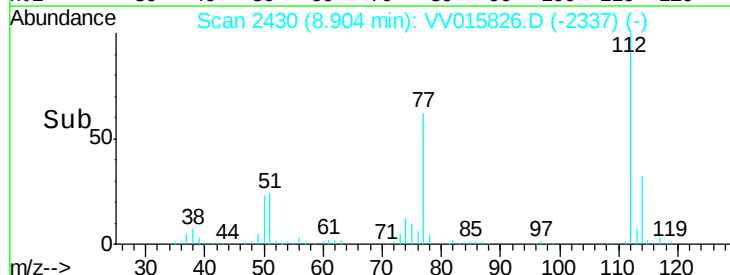
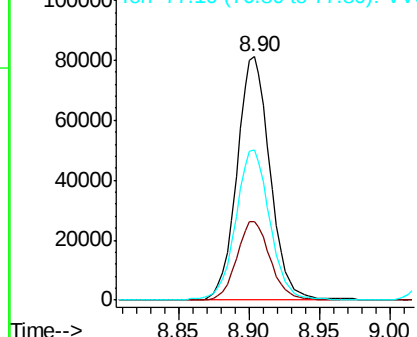
112 100

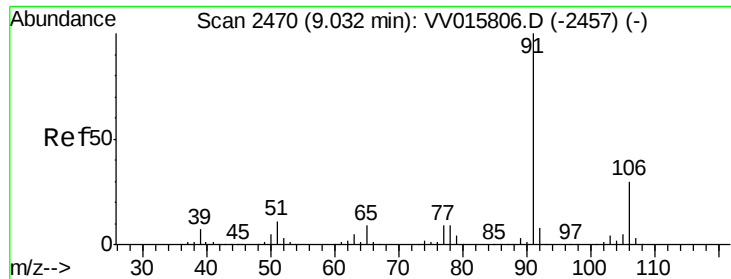
114 32.5 21.6 40.2

77 61.7 48.9 73.3



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





#52

Ethylbenzene

Concen: 5.428 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

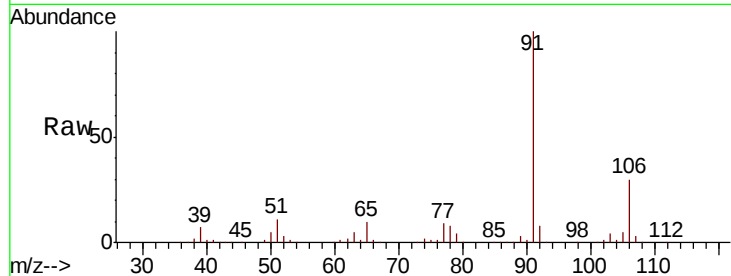
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 238515

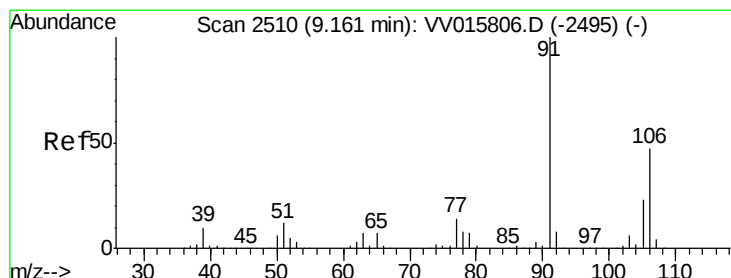
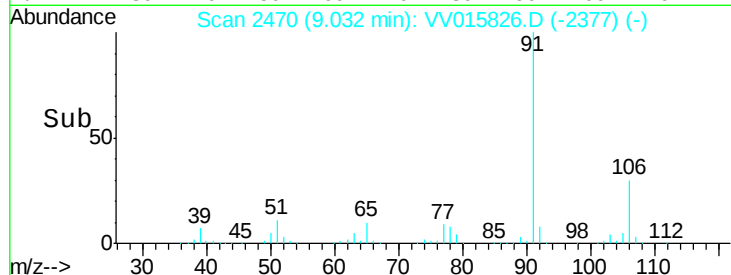
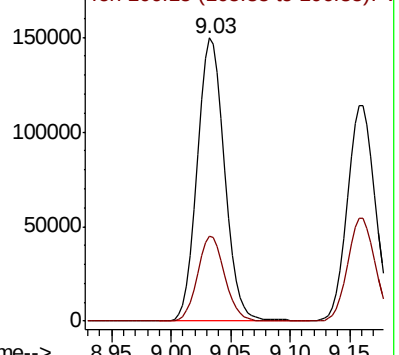
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015826.D (-2377) (-)



#53

m,p-xylene

Concen: 5.555 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015826.D

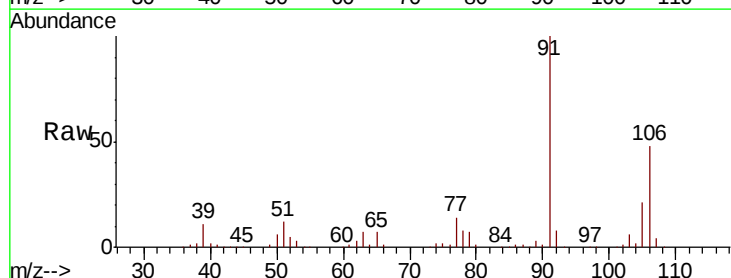
Acq: 30 Apr 2020 10:26

Tgt Ion: 106 Resp: 89403

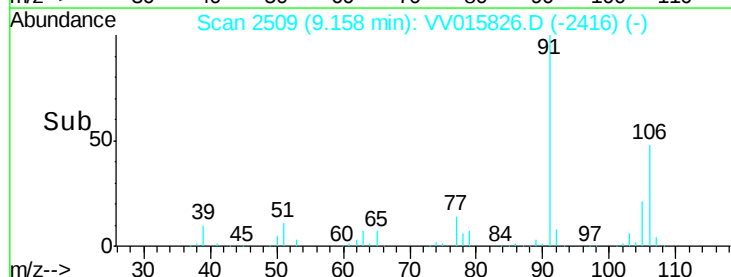
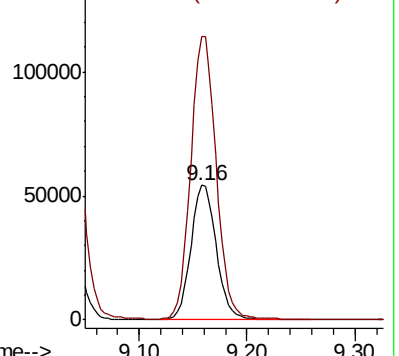
Ion Ratio Lower Upper

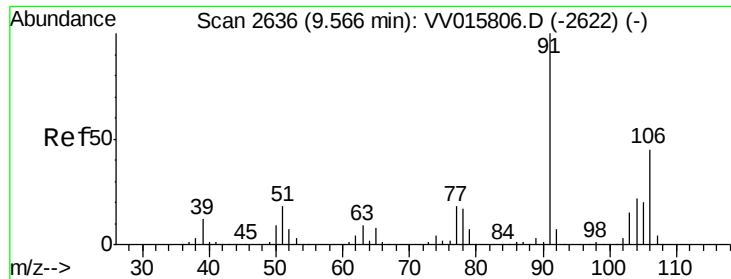
106 100

91 210.2 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015826.D (-2416) (-)

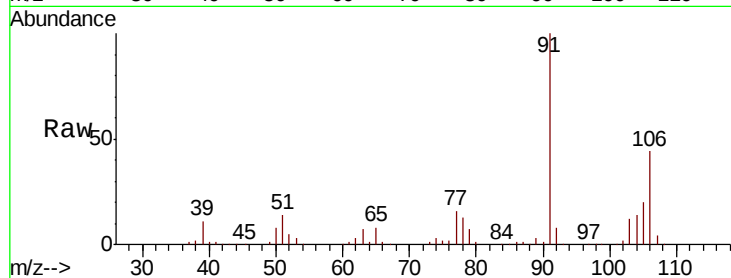




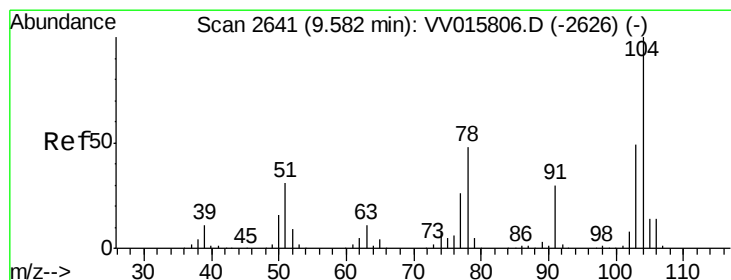
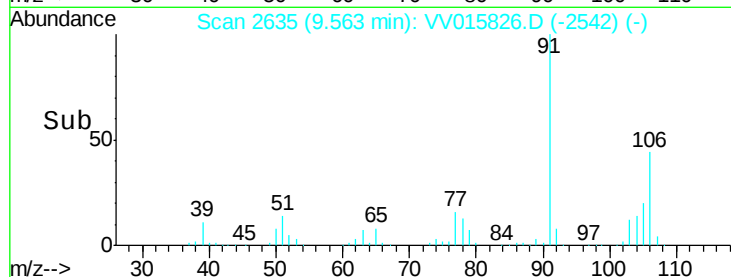
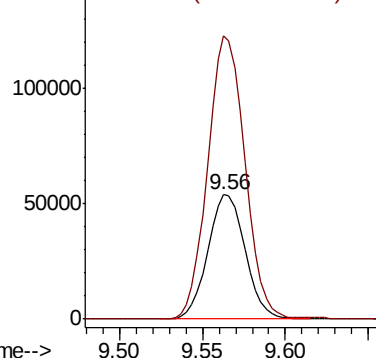
#54
o-xylene
Concen: 5.423 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 84454
Ion Ratio Lower Upper
106 100
91 228.1 159.8 296.8

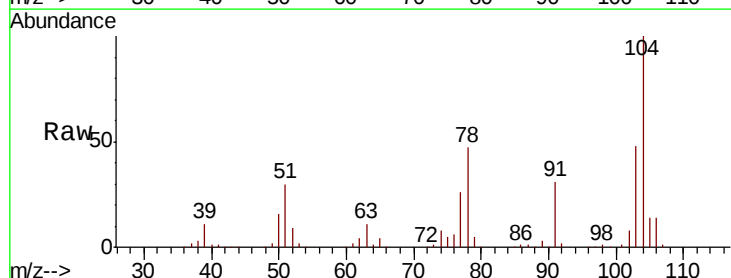


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

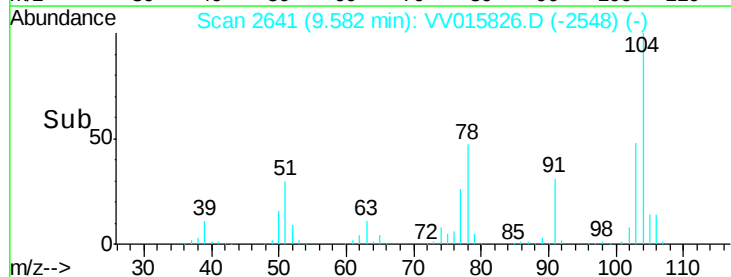
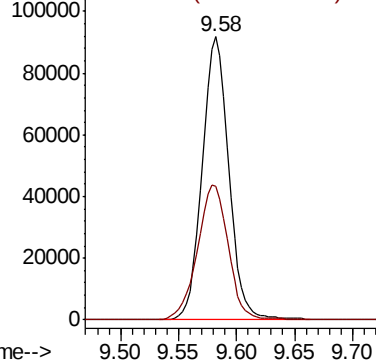


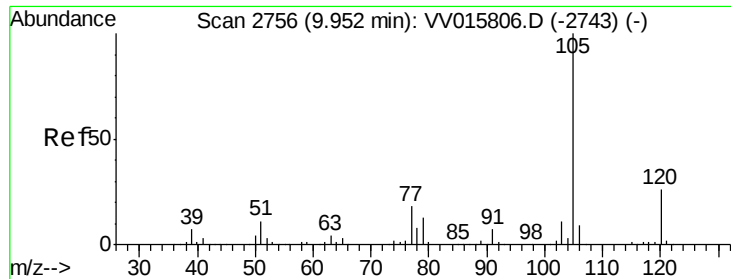
#55
Styrene
Concen: 5.491 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015826.D
Acq: 30 Apr 2020 10:26

Tgt Ion:104 Resp: 145100
Ion Ratio Lower Upper
104 100
78 47.3 34.5 64.1



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





#56

Isopropylbenzene

Concen: 5.465 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampleId :

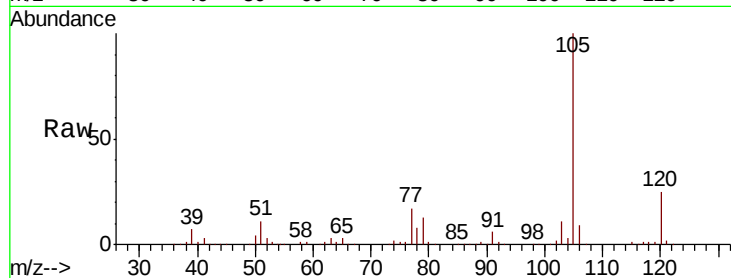
Tot Ion:105 Resp: 238742

Ion Ratio Lower Upper

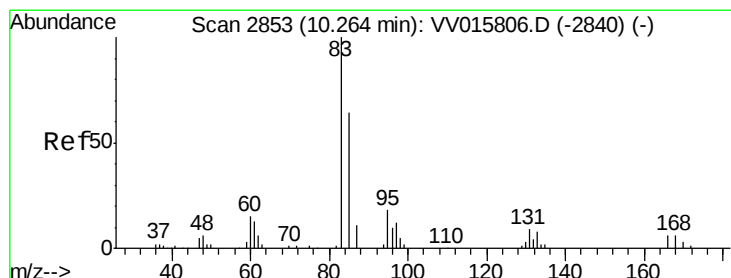
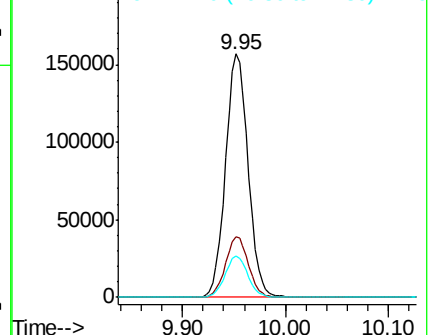
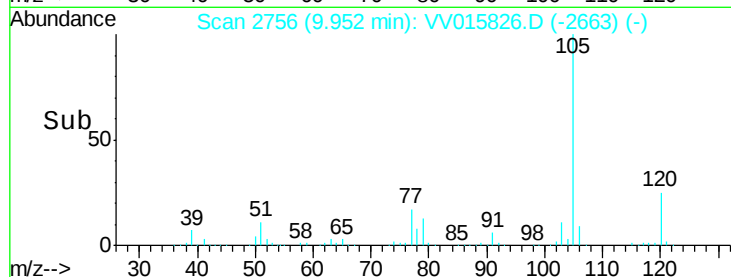
105 100

120 25.2 20.7 31.1

77 17.1 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): VV015826.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.333 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

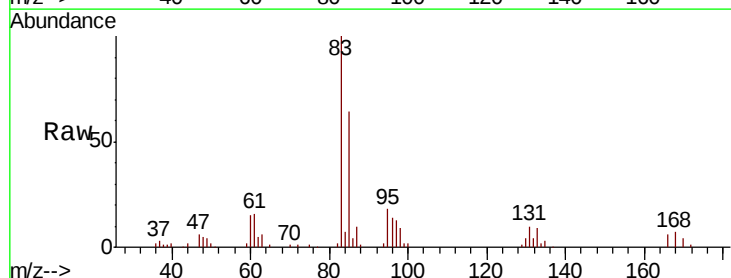
Tgt Ion: 83 Resp: 38334

Ion Ratio Lower Upper

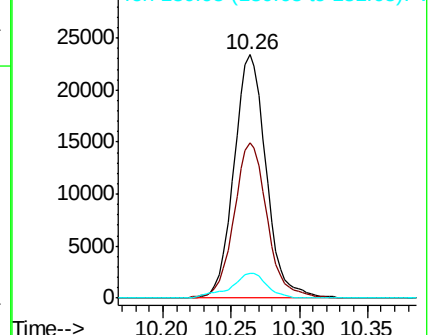
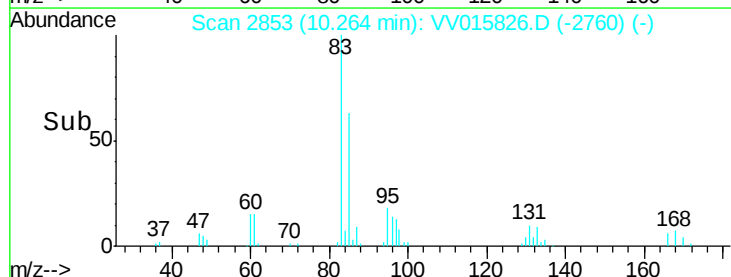
83 100

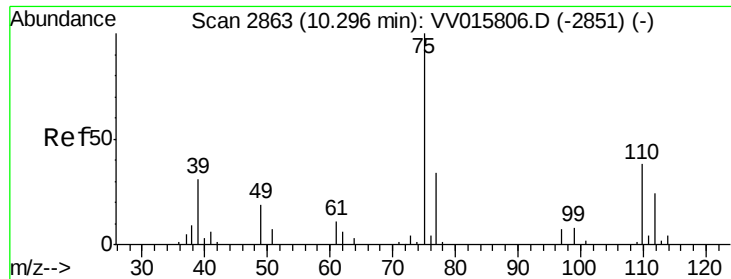
85 63.7 46.3 85.9

131 10.3 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV015826.D (-2760) (-)

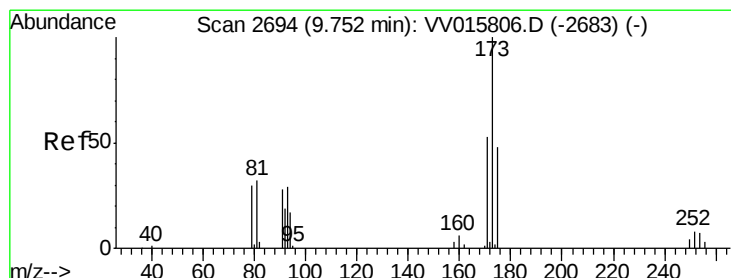
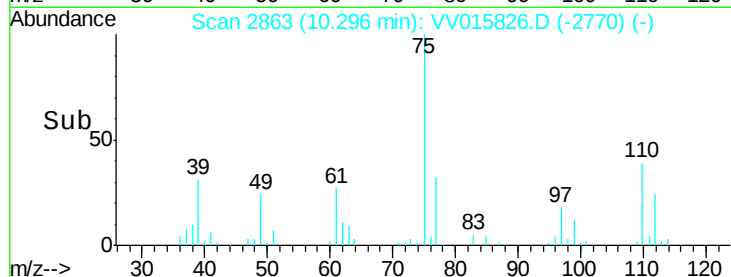
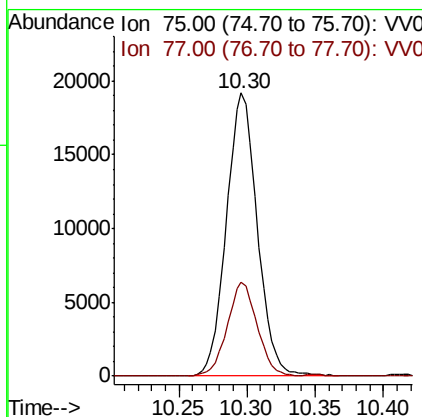
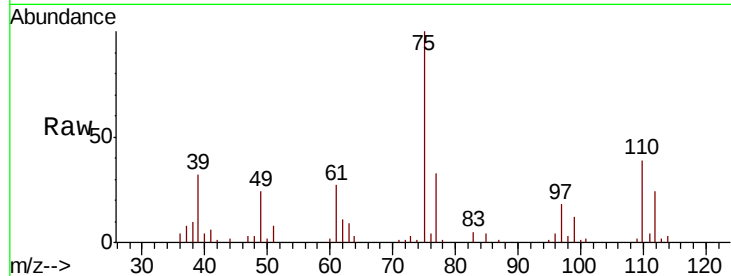




#59
 1,2,3-Trichloropropane
 Concen: 5.239 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

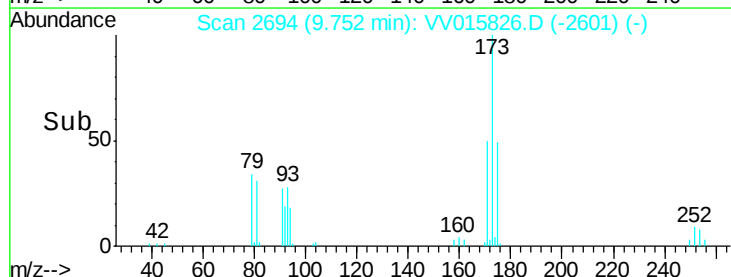
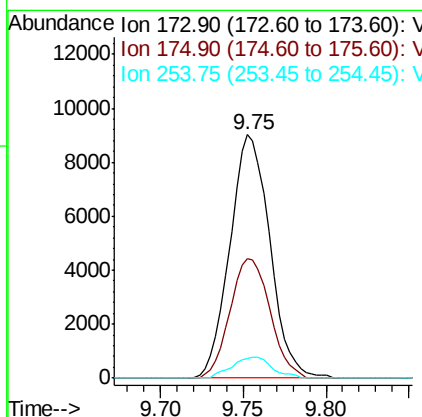
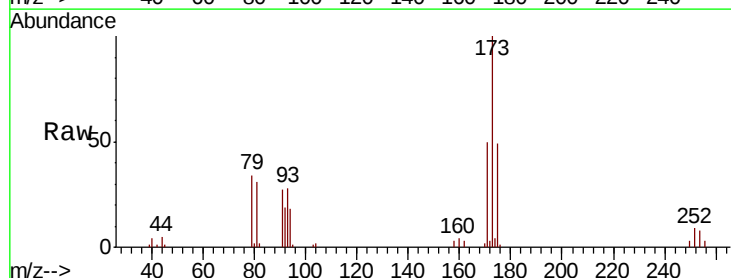
Instrument :
 MSVOA_V
 ClientSampled :

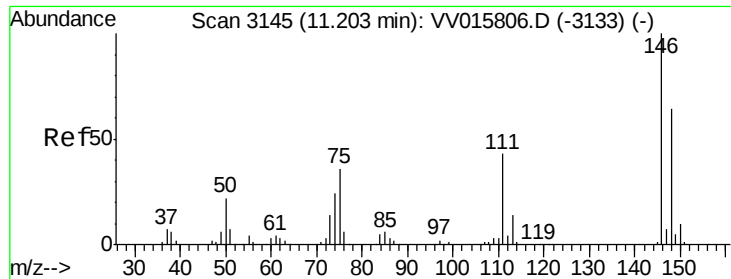
Tot Ion: 75 Resp: 30209
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.0 39.0



#61
 Bromoform
 Concen: 5.709 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Tgt Ion:173 Resp: 15112
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.8 59.8
 254 8.6 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.419 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampled :

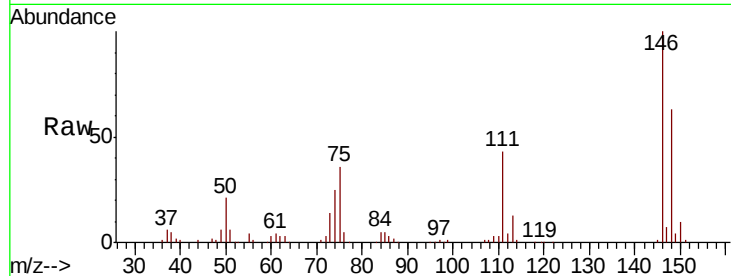
Tot Ion:146 Resp: 109969

Ion Ratio Lower Upper

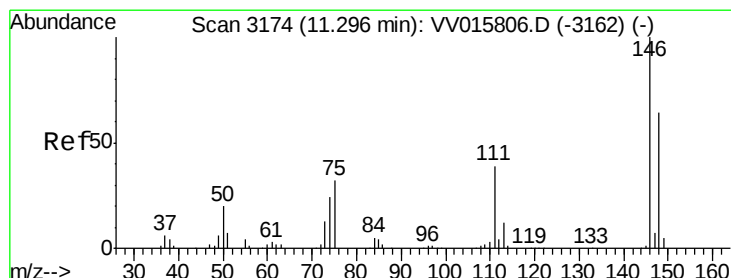
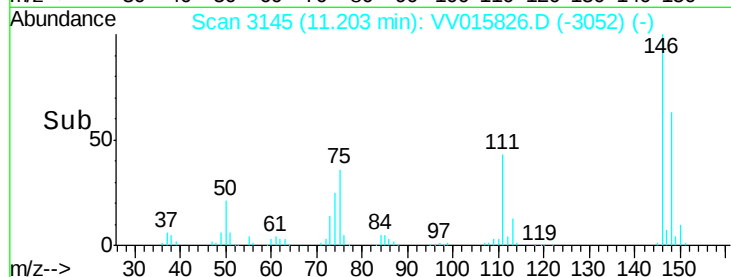
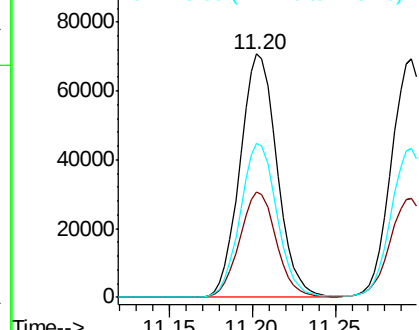
146 100

111 43.5 30.0 55.6

148 63.3 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.284 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

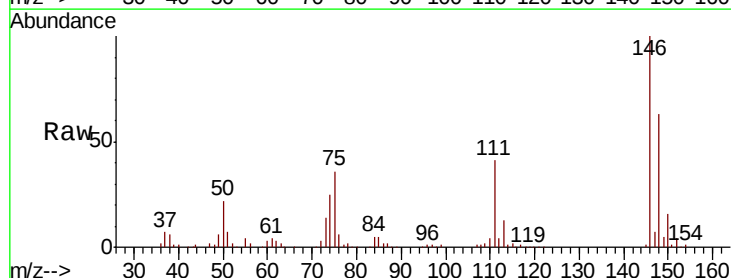
Tgt Ion:146 Resp: 108153

Ion Ratio Lower Upper

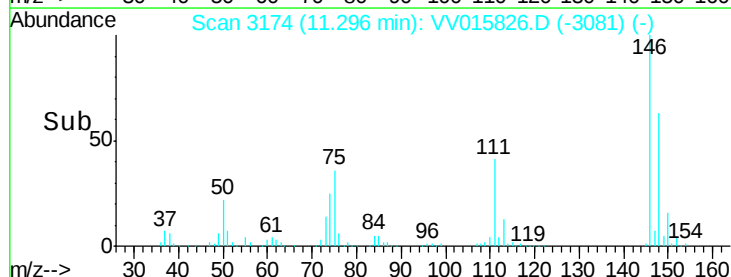
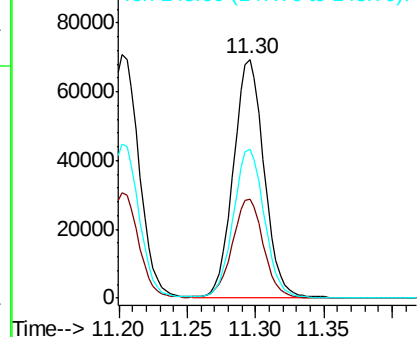
146 100

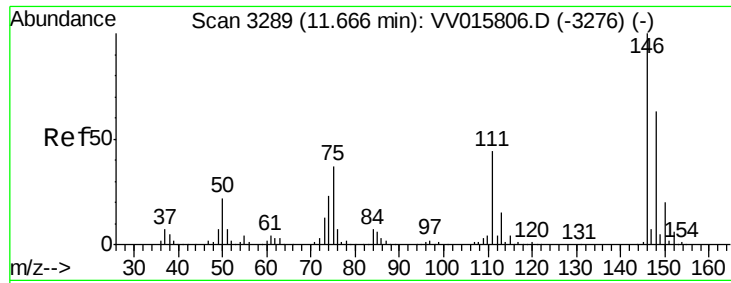
111 41.3 28.2 52.4

148 62.6 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.416 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampleId :

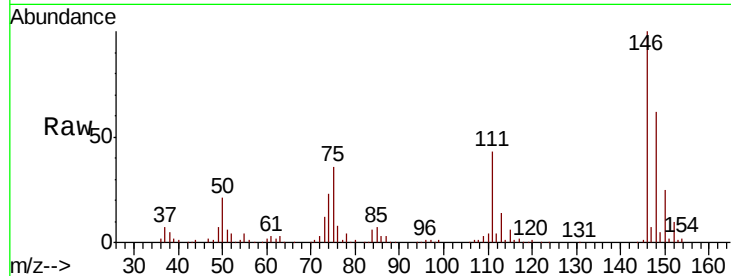
Tot Ion:146 Resp: 99417

Ion Ratio Lower Upper

146 100

111 43.2 34.7 52.1

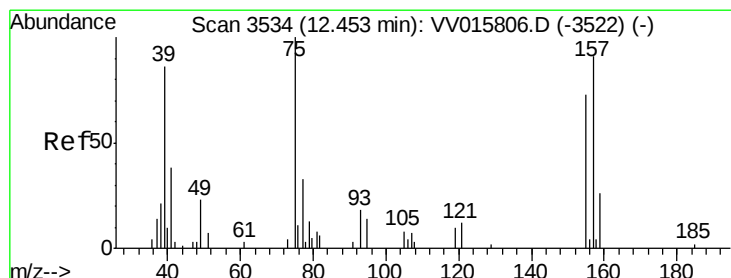
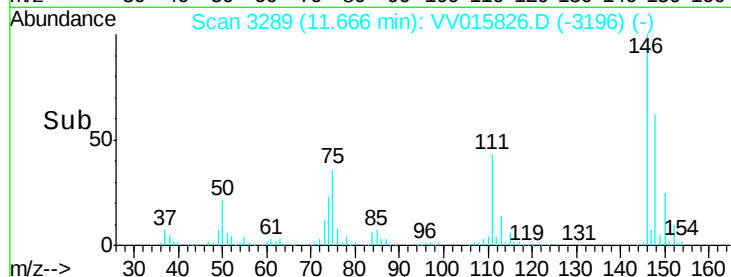
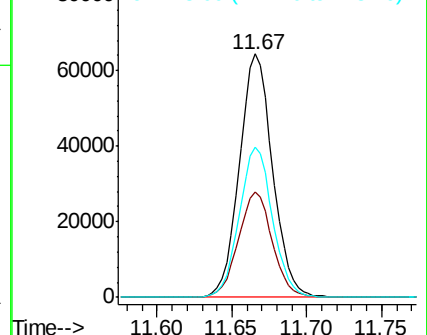
148 61.5 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.171 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

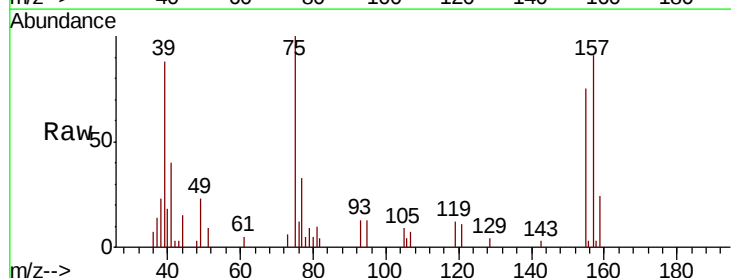
Tgt Ion: 75 Resp: 6184

Ion Ratio Lower Upper

75 100

155 75.4 51.0 76.4

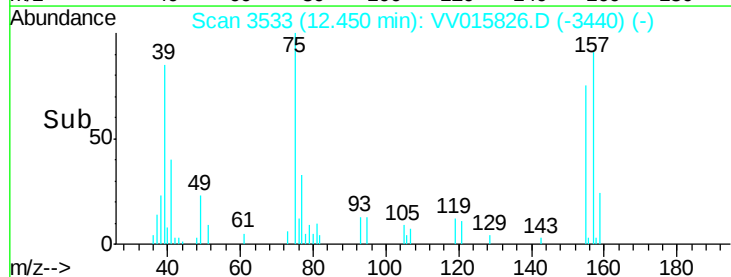
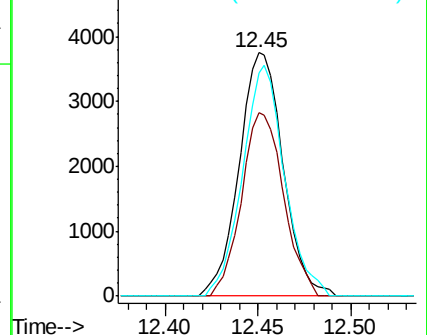
157 91.5 70.6 106.0

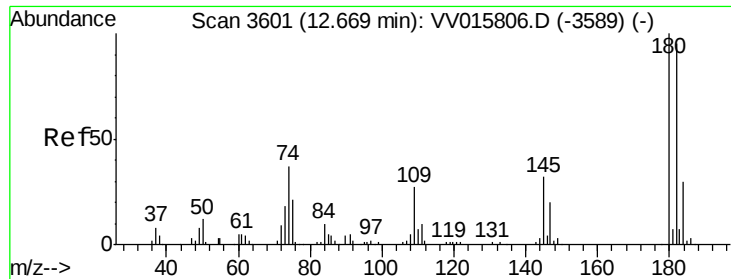


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

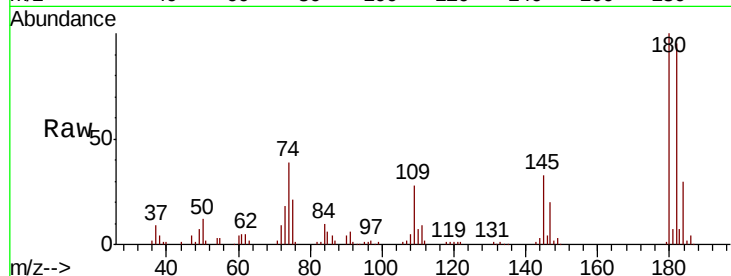




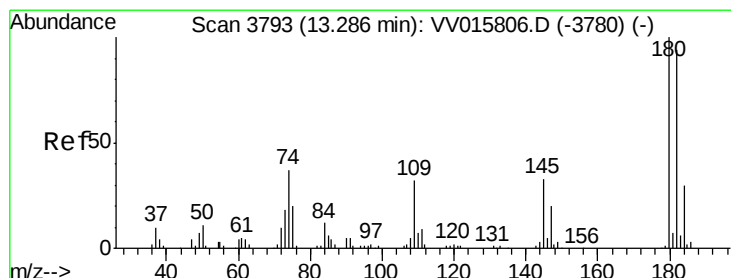
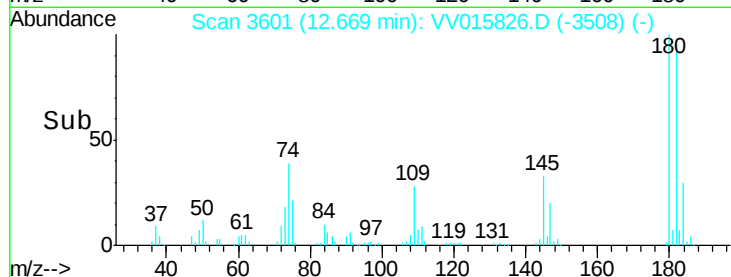
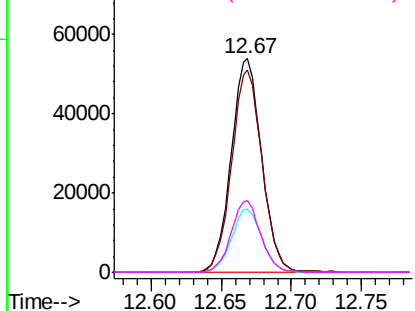
#67
 1,3,5-Trichlorobenzene
 Concen: 5.411 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 81149
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.2 117.4
 184 29.4 25.0 37.4
 145 32.7 26.4 39.6

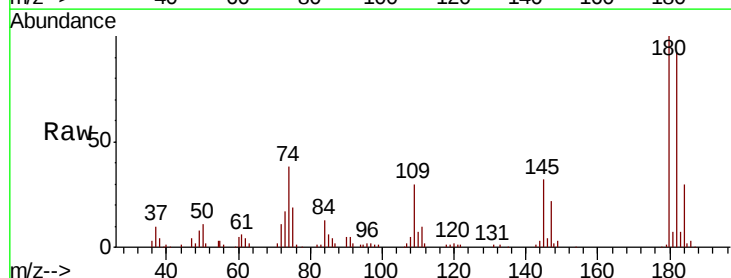


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

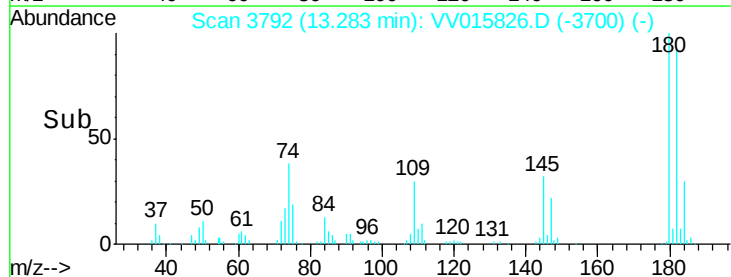
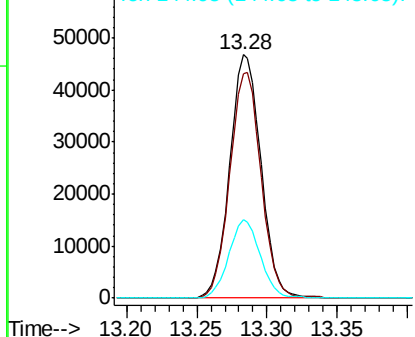


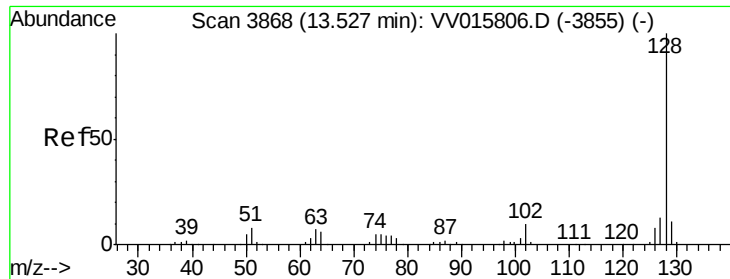
#68
 1,2,4-trichlorobenzene
 Concen: 5.254 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015826.D
 Acq: 30 Apr 2020 10:26

Tgt Ion:180 Resp: 72523
 Ion Ratio Lower Upper
 180 100
 182 92.7 74.8 112.2
 145 32.4 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: 4.816 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

Instrument :

MSVOA_V

ClientSampleId :

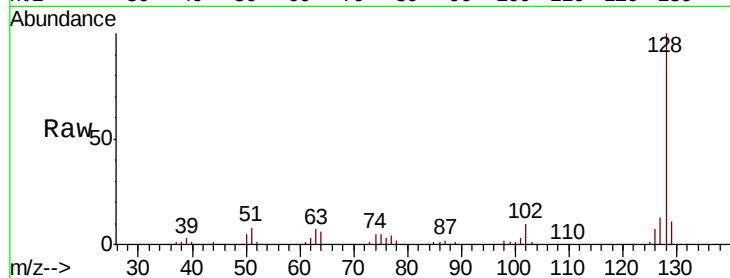
Tot Ion:128 Resp: 118975

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

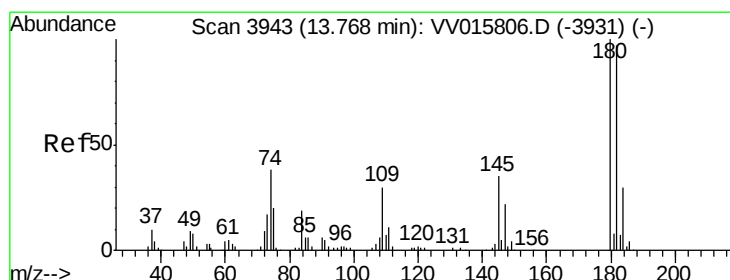
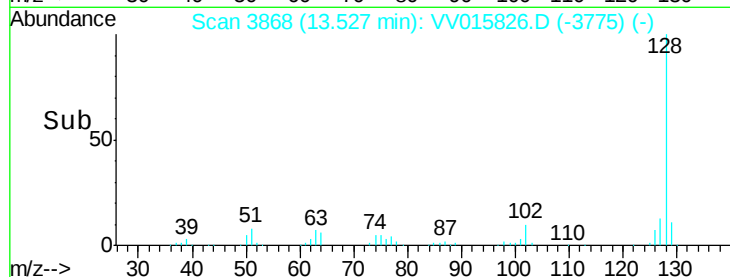
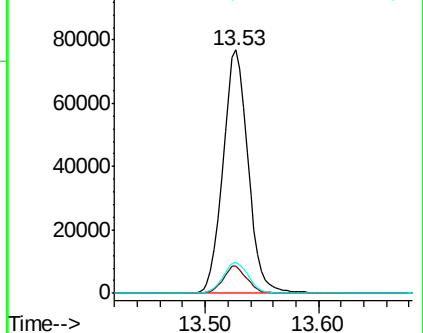
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.178 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015826.D

Acq: 30 Apr 2020 10:26

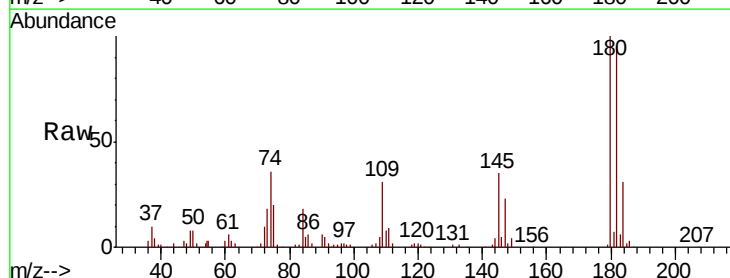
Tgt Ion:180 Resp: 63075

Ion Ratio Lower Upper

180 100

182 94.5 74.8 112.2

145 35.2 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

