

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015874.D
 Acq On : 01 May 2020 21:55
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:13:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 02 00:06:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	127030	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	120875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	61139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33427	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.58	69	30761	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.12	63	72608	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	3.96	46	108555	50.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.86%
24) Chloroform-d	4.38	84	73127	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.06	65	42230	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.08	84	140692	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.10	67	45343	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.34	98	129808	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.65	79	16154	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.12	63	83674	48.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.26%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32108	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	47176	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	54004	4.963	ug/L 99
3) Chloromethane	1.25	50	51762	5.499	ug/L 99
5) Vinyl chloride	1.32	62	52750	5.247	ug/L 99
6) Bromomethane	1.53	94	24839	5.755	ug/L 99
8) Chloroethane	1.59	64	33043	5.004	ug/L 97
9) Trichlorofluoromethane	1.76	101	75825	5.374	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42121	5.277	ug/L 97
12) 1,1-Dichloroethene	2.13	96	39830	5.387	ug/L 96
13) Acetone	2.24	43	34939	23.605	ug/L 85
14) Carbon disulfide	2.31	76	102421	4.901	ug/L 100
15) Methyl Acetate	2.47	43	20885	5.933	ug/L 97
16) Methylene chloride	2.52	84	49820	5.458	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	120914	5.826	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	45443	5.489	ug/L 98
19) 1,1-Dichloroethane	3.21	63	93183	5.733	ug/L 100
21) 2-Butanone	4.04	43	133989	58.688	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	50330	5.499	ug/L 98

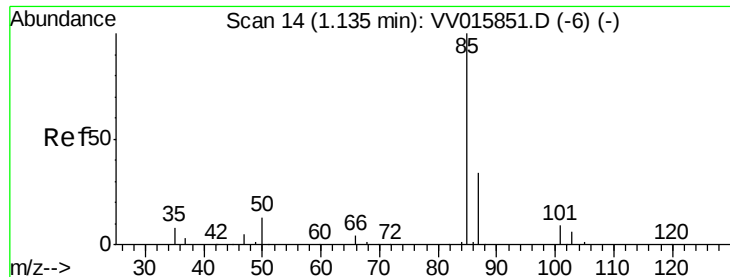
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015874.D
 Acq On : 01 May 2020 21:55
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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:13:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 02 00:06:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	20870	5.582	ug/L	99
25) Chloroform	4.40	83	98421	5.703	ug/L	98
27) 1,2-Dichloroethane	5.16	62	63103	5.566	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	83829	5.469	ug/L	99
30) Cyclohexane	4.70	56	79226	5.410	ug/L	100
31) Carbon tetrachloride	4.85	117	68624	5.406	ug/L	98
33) Benzene	5.13	78	190365	5.512	ug/L	100
34) Trichloroethene	5.94	95	51845	5.436	ug/L	97
35) Methylcyclohexane	6.15	83	77318	5.282	ug/L	99
37) 1,2-Dichloropropane	6.20	63	50700	5.776	ug/L	99
38) Bromodichloromethane	6.53	83	61885	5.552	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	67350	5.504	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	337731	59.281	ug/L	99
42) Toluene	7.41	91	206357	5.592	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	56109	5.457	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	34184	5.714	ug/L	97
47) Tetrachloroethene	8.00	164	36361	5.295	ug/L	95
48) 2-Hexanone	8.16	43	240097	59.098	ug/L	99
49) Dibromochloromethane	8.27	129	36317	5.865	ug/L	96
50) 1,2-Dibromoethane	8.38	107	31674	5.725	ug/L	96
51) Chlorobenzene	8.90	112	132572	5.484	ug/L	97
52) Ethylbenzene	9.03	91	237422	5.560	ug/L	99
53) m,p-xylene	9.16	106	89727	5.736	ug/L	98
54) o-xylene	9.57	106	86793	5.735	ug/L	96
55) Styrene	9.58	104	147264	5.734	ug/L	98
56) Isopropylbenzene	9.95	105	239808	5.648	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	40253	5.762	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	31661	5.649	ug/L	98
61) Bromoform	9.75	173	16171	6.407	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	107746	5.568	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	107187	5.493	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	100305	5.731	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6235	5.468	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.67	180	75906	5.308	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	68064	5.172	ug/L	99
69) Naphthalene	13.53	128	127363	5.407	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	60059	5.171	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.963 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

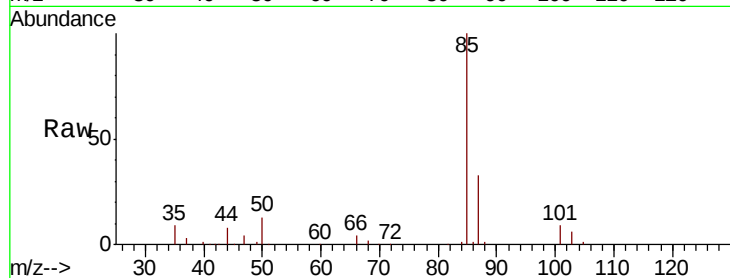
ClientSampleId :

Tot Ion: 85 Resp: 54004

Ion Ratio Lower Upper

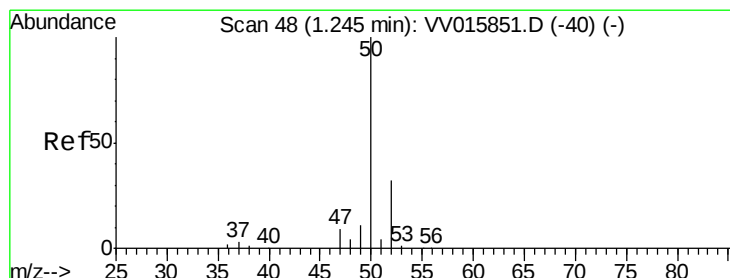
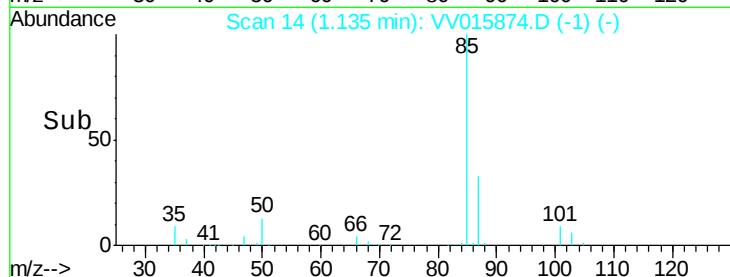
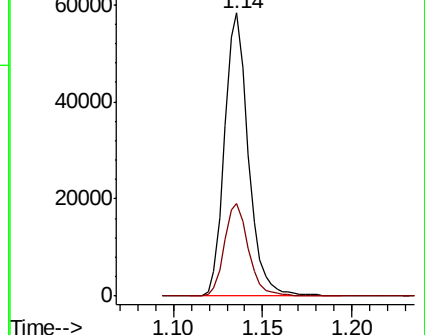
85 100

87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015874.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015874.D (-6) (-)



#3

Chloromethane

Concen: 5.499 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015874.D

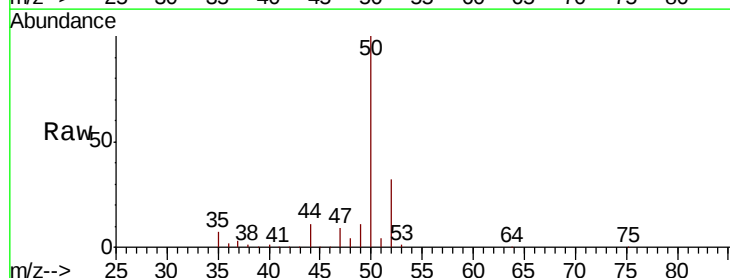
Acq: 01 May 2020 21:55

Tgt Ion: 50 Resp: 51762

Ion Ratio Lower Upper

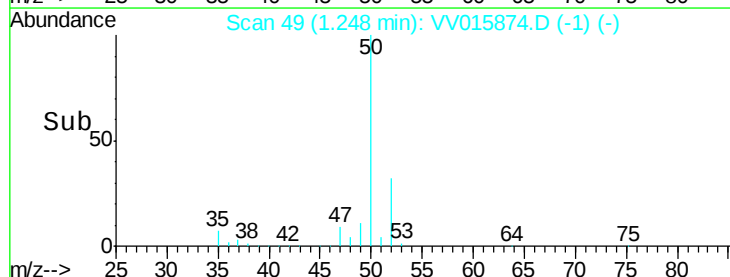
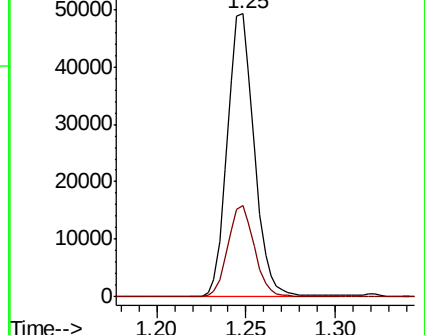
50 100

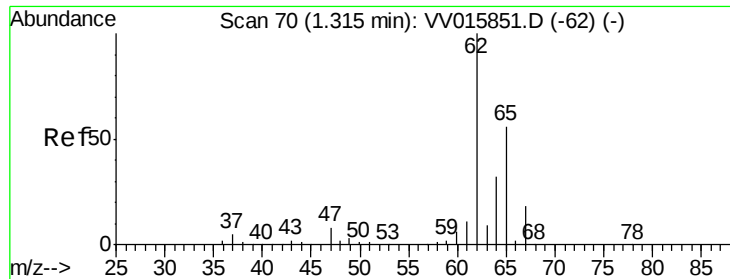
52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015874.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015874.D (-40) (-)





#5

Vinyl chloride

Concen: 5.247 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

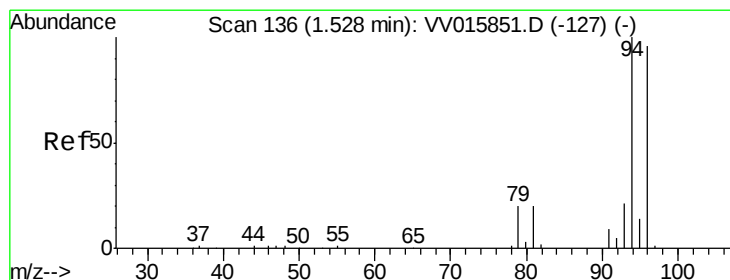
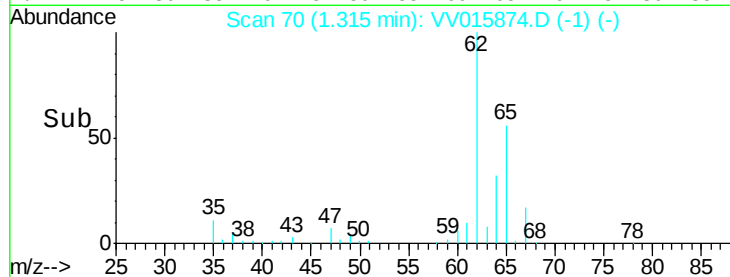
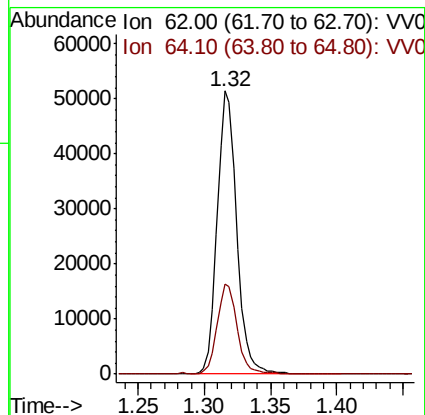
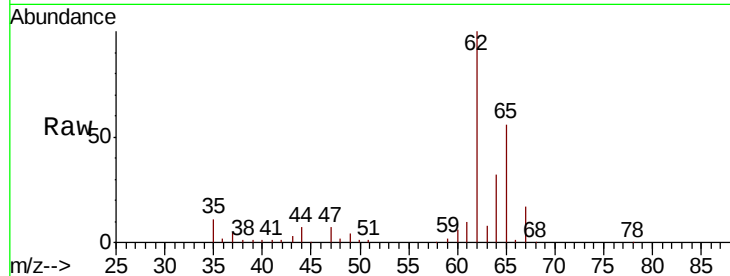
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 52750

Ion Ratio Lower Upper

62 100

64 31.7 22.7 42.1



#6

Bromomethane

Concen: 5.755 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015874.D

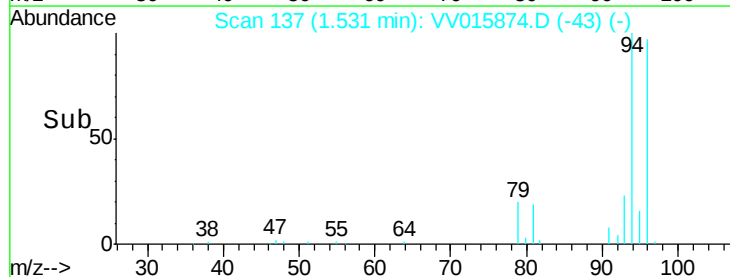
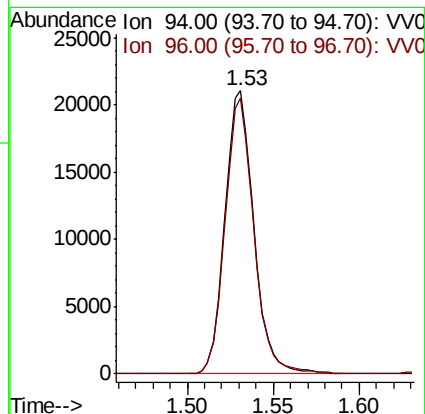
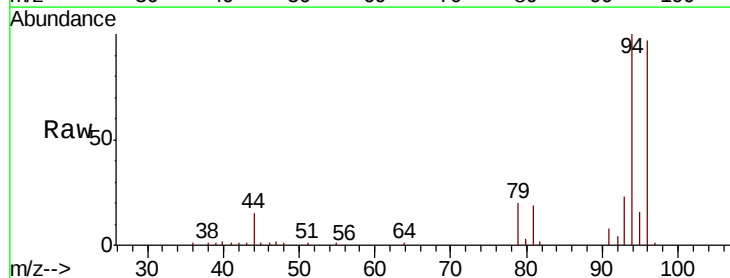
Acq: 01 May 2020 21:55

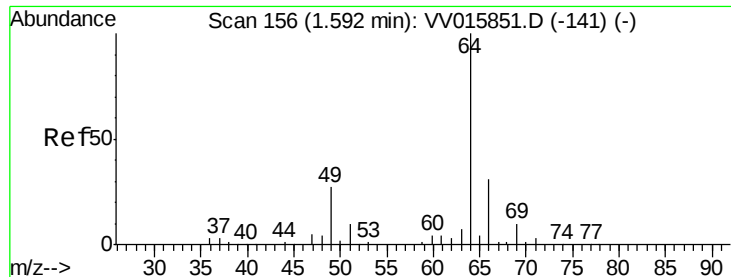
Tgt Ion: 94 Resp: 24839

Ion Ratio Lower Upper

94 100

96 97.3 67.3 125.1





#8

Chloroethane

Concen: 5.004 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

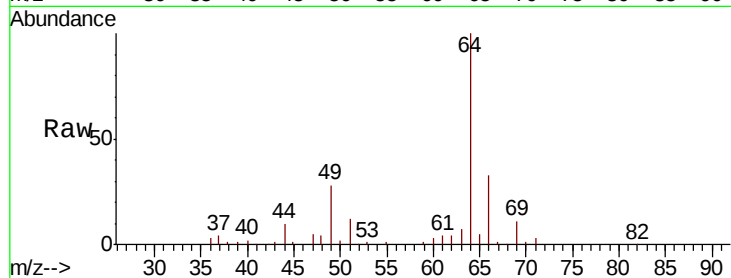
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33043

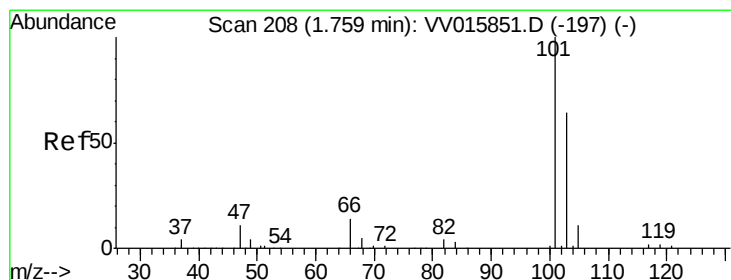
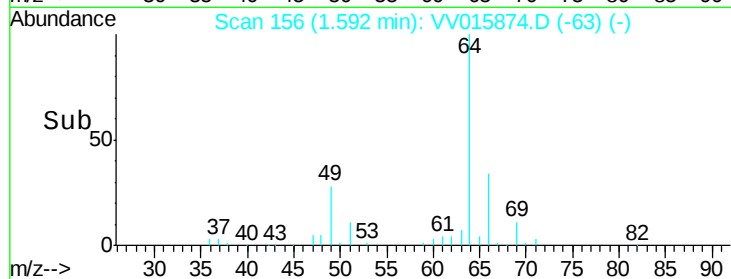
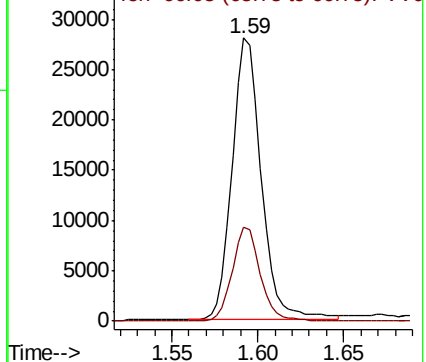
Ion Ratio Lower Upper

64 100

66 33.4 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015874.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.374 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015874.D

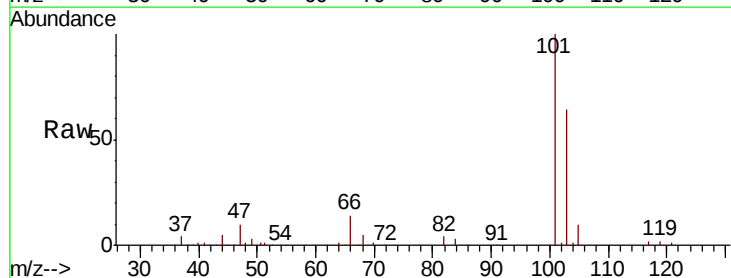
Acq: 01 May 2020 21:55

Tgt Ion: 101 Resp: 75825

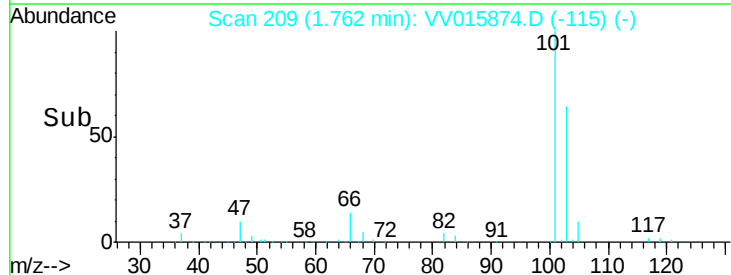
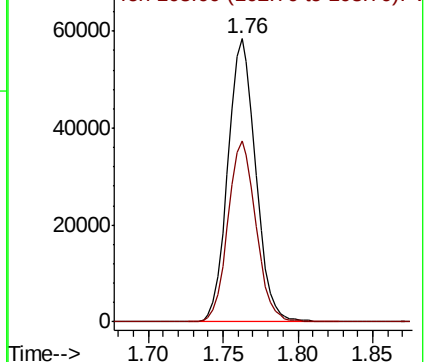
Ion Ratio Lower Upper

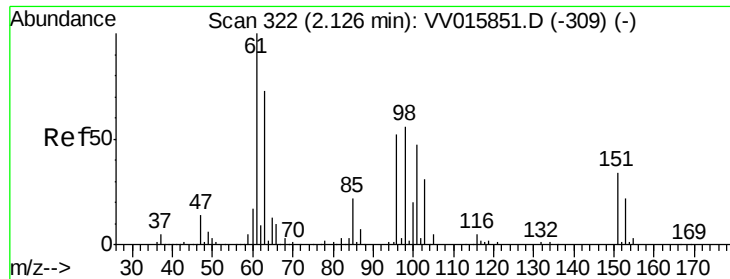
101 100

103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015874.D (-115) (-)





#10

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

Concen: 5.277 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampled :

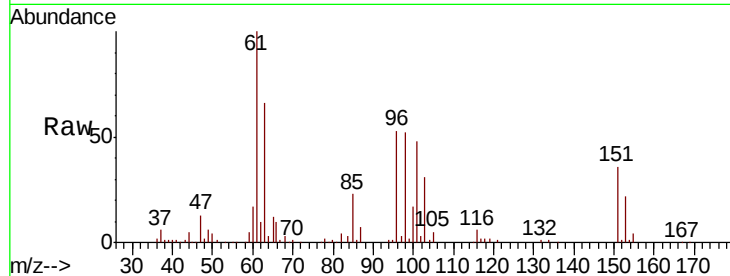
Tot Ion:101 Resp: 42121

Ion Ratio Lower Upper

101 100

85 46.1 36.1 54.1

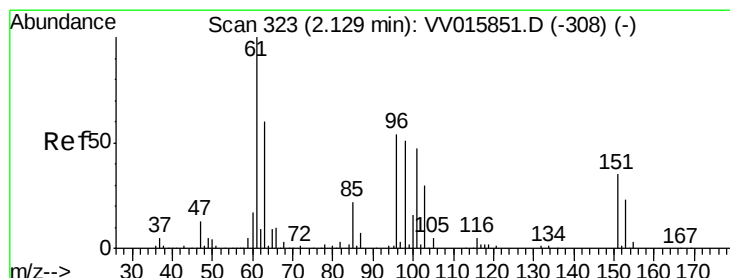
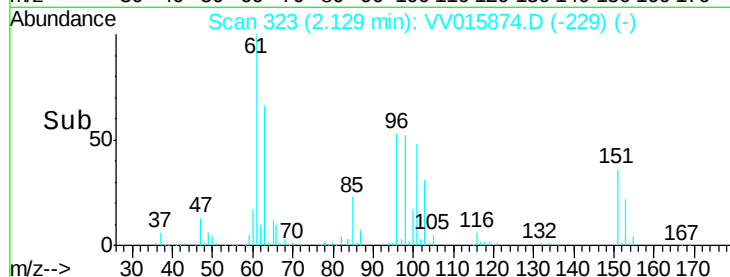
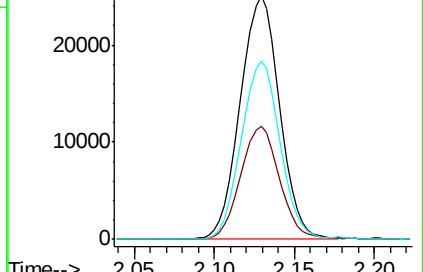
151 72.0 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015874.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015874.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015874.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.387 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

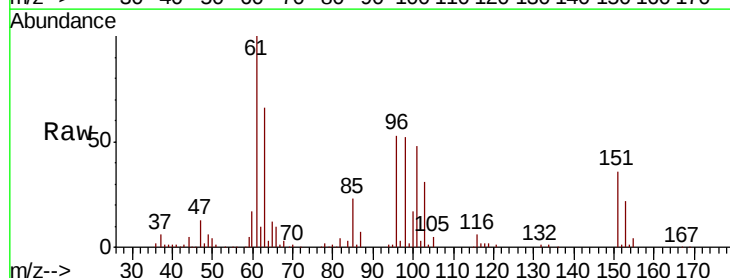
Tgt Ion: 96 Resp: 39830

Ion Ratio Lower Upper

96 100

61 189.3 130.1 241.7

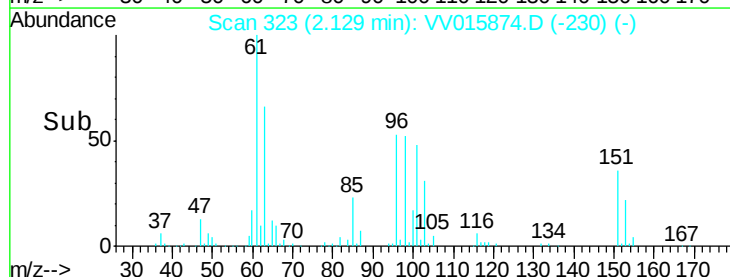
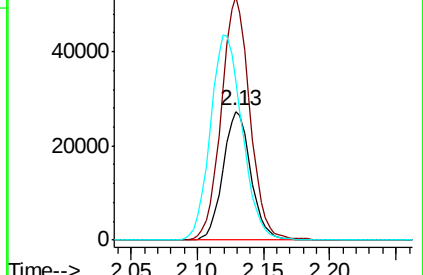
63 124.1 91.4 169.8

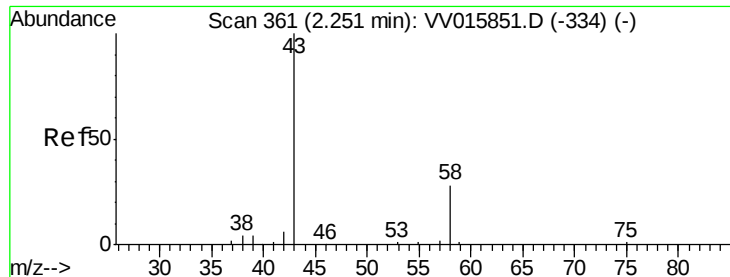


Abundance Ion 96.00 (95.70 to 96.70): VV015874.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV015874.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015874.D (-230) (-)





#13

Acetone

Concen: 23.605 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.01 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

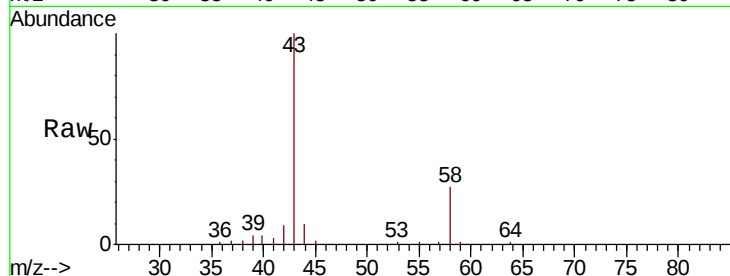
ClientSampled :

Tot Ion: 43 Resp: 34939

Ion Ratio Lower Upper

43 100

58 36.8 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015851.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV015851.D (-334) (-)

15000

10000

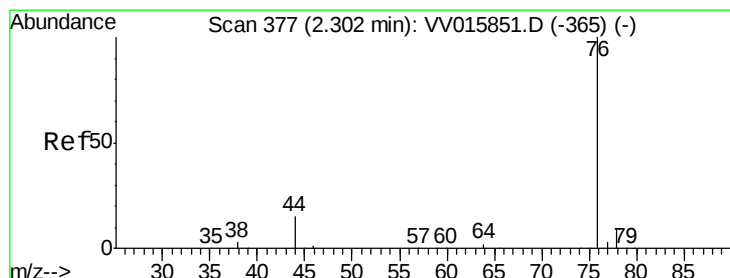
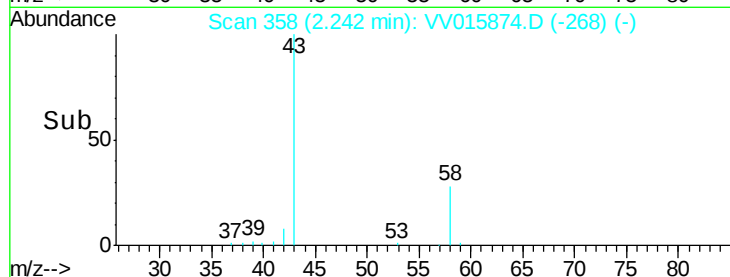
5000

0

Time-->

2.15 2.20 2.25

2.24



#14

Carbon disulfide

Concen: 4.901 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015874.D

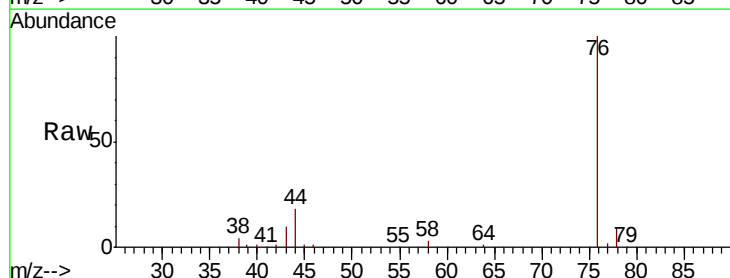
Acq: 01 May 2020 21:55

Tgt Ion: 76 Resp: 102421

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015851.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015851.D (-365) (-)

80000

60000

40000

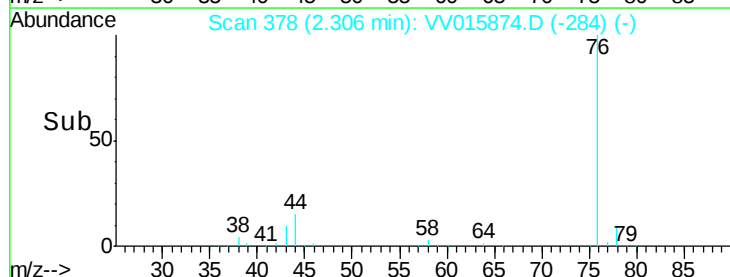
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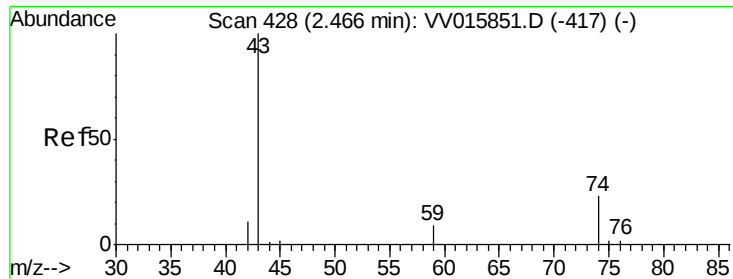
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Time-->

2.25 2.30 2.35 2.40

2.31

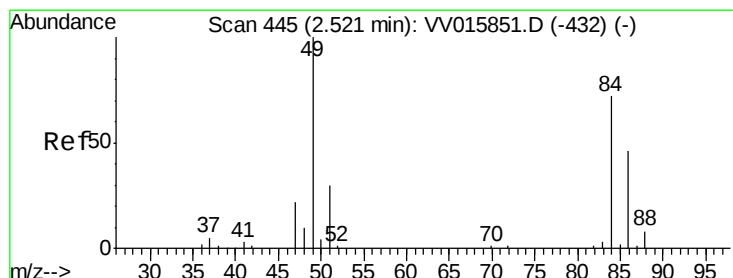
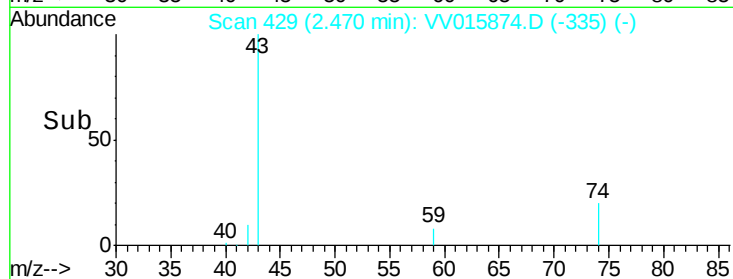
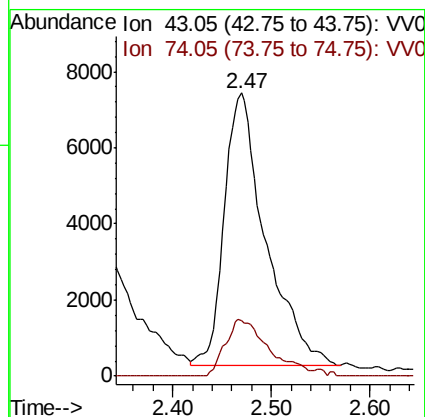
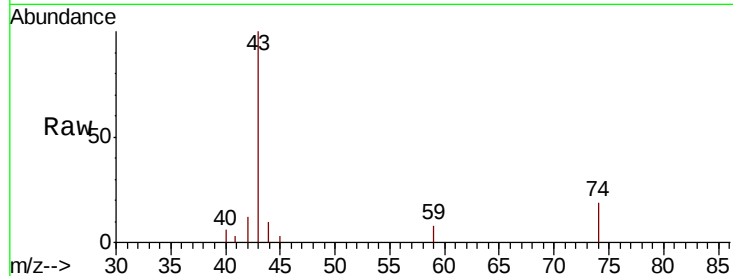




#15
Methvl Acetate
Concen: 5.933 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

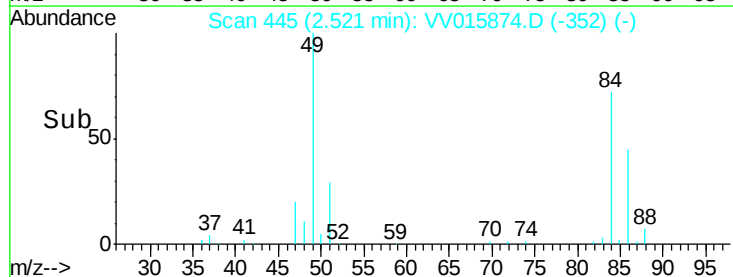
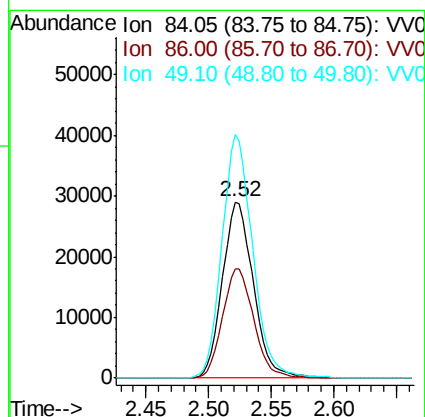
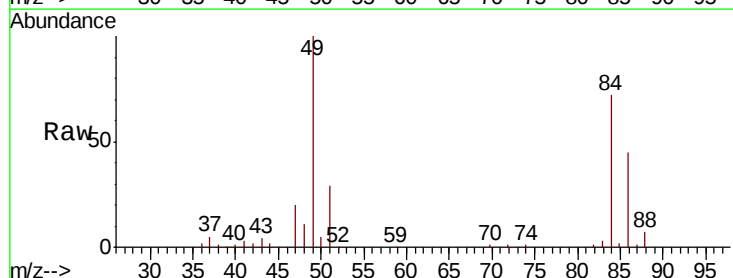
Instrument :
MSVOA_V
ClientSampleId :

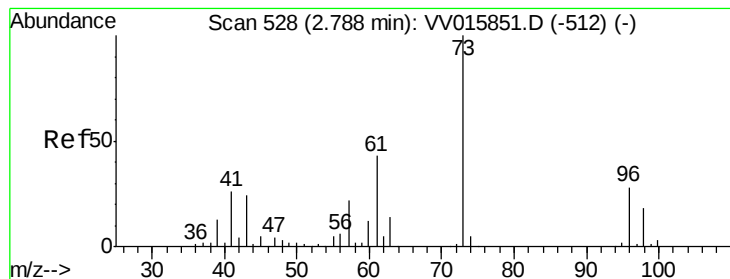
Tot Ion: 43 Resp: 20885
Ion Ratio Lower Upper
43 100
74 22.0 16.3 24.5



#16
Methylene chloride
Concen: 5.458 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Tgt Ion: 84 Resp: 49820
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.7
49 138.4 94.4 175.4



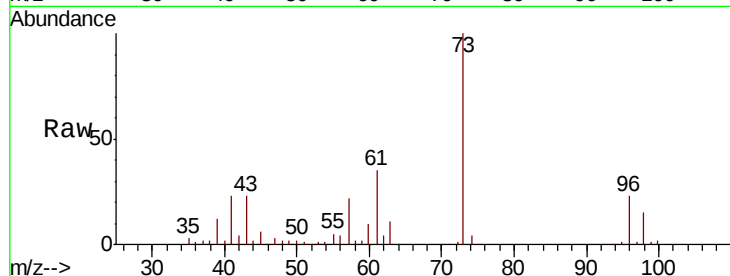


#17

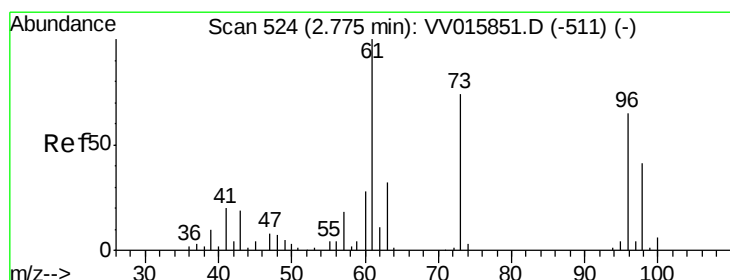
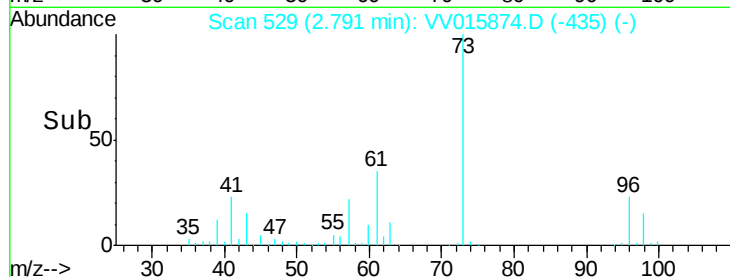
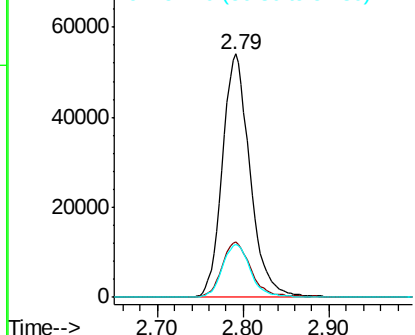
Methvl tert-butvl Ether
 Concen: 5.826 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 120914
 Ion Ratio Lower Upper
 73 100
 43 22.9 20.1 30.1
 57 22.1 17.8 26.8



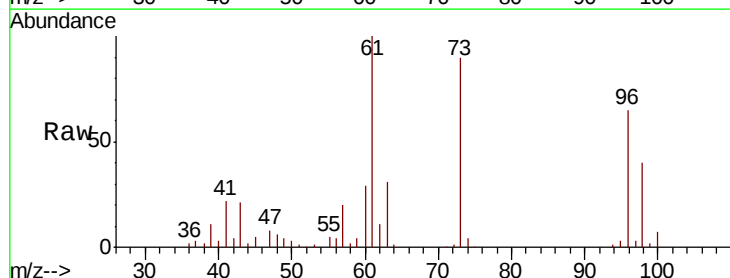
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



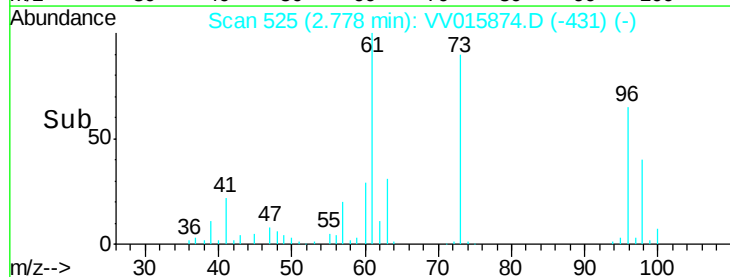
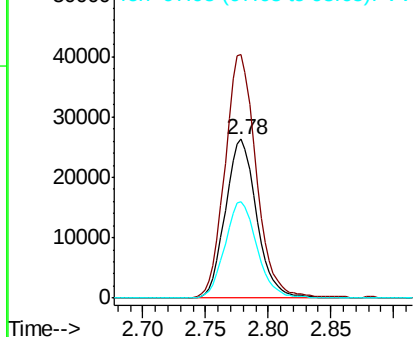
#18

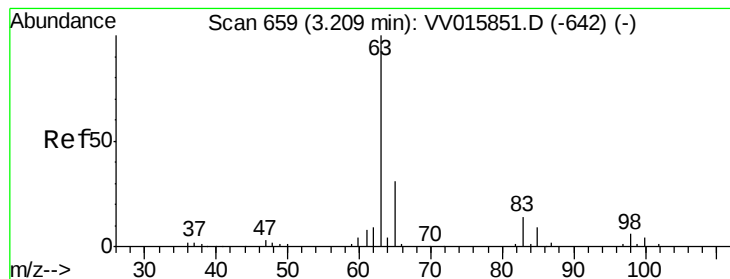
trans-1,2-Dichloroethene
 Concen: 5.489 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Tgt Ion: 96 Resp: 45443
 Ion Ratio Lower Upper
 96 100
 61 153.4 105.5 195.9
 98 61.1 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: 5.733 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampled :

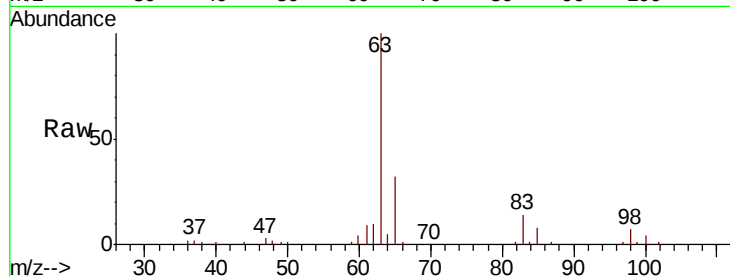
Tot Ion: 63 Resp: 93183

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	13.7	9.3	17.3

63 100

65 31.8 22.3 41.3

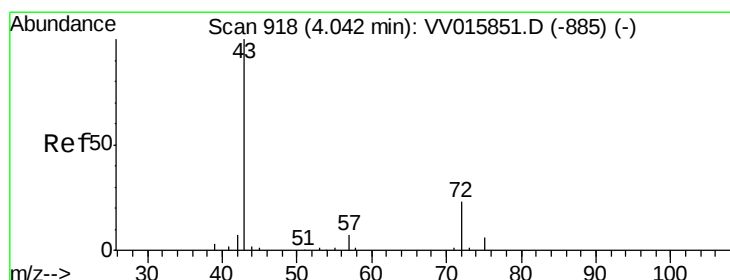
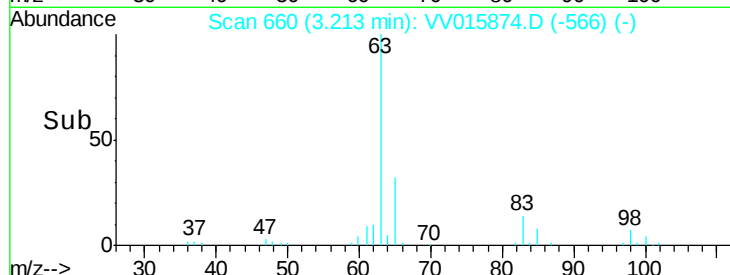
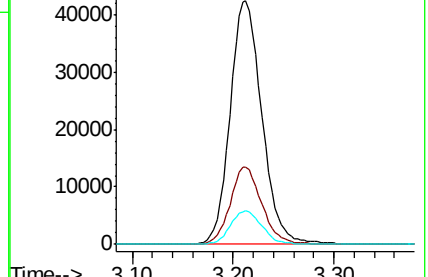
83 13.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 58.688 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.01 min

Lab File: VV015874.D

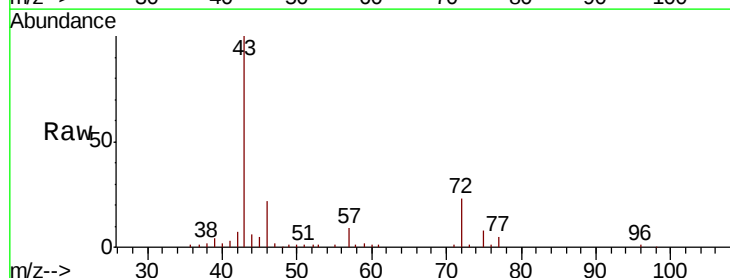
Acq: 01 May 2020 21:55

Tgt Ion: 43 Resp: 133989

Ion	Ratio	Lower	Upper
43	100		
72	21.8	12.3	36.9

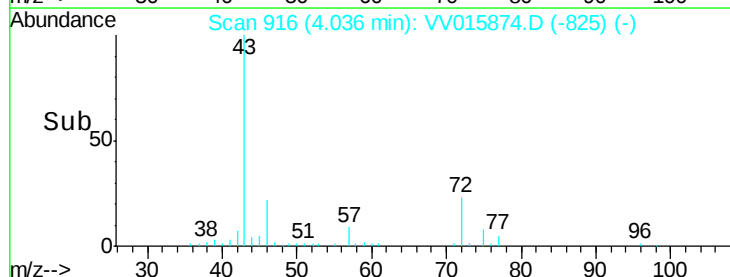
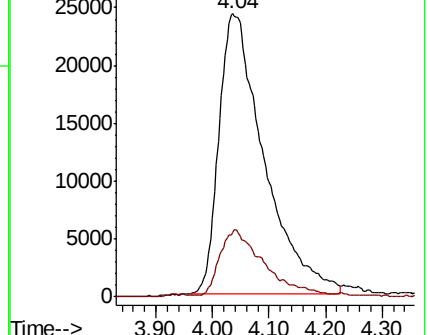
43 100

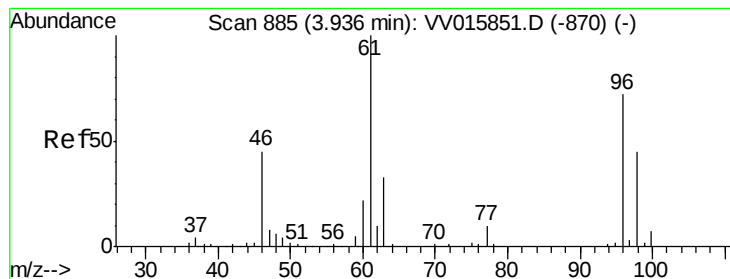
72 21.8 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



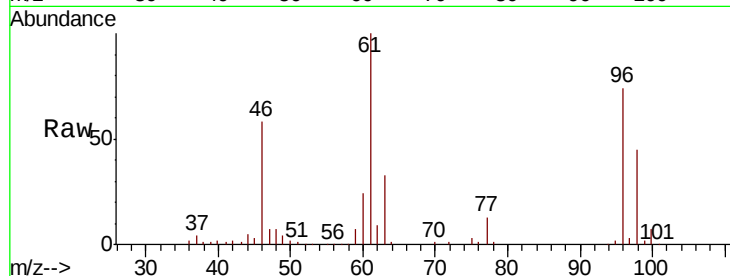


#22

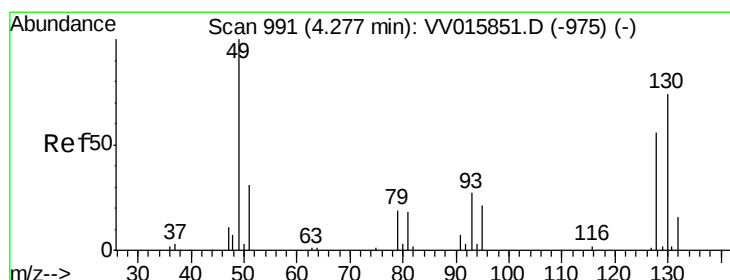
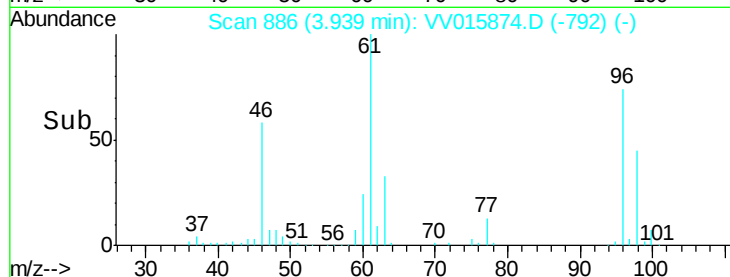
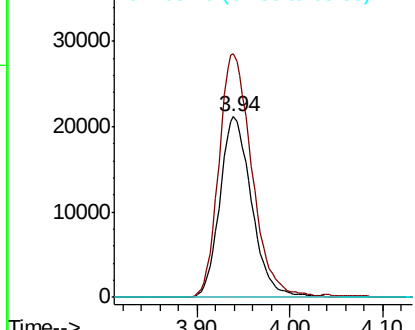
cis-1,2-Dichloroethene
 Concen: 5.499 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 50330
 Ion Ratio Lower Upper
 96 100
 61 134.8 96.4 179.0
 68 0.0 0.0 0.0



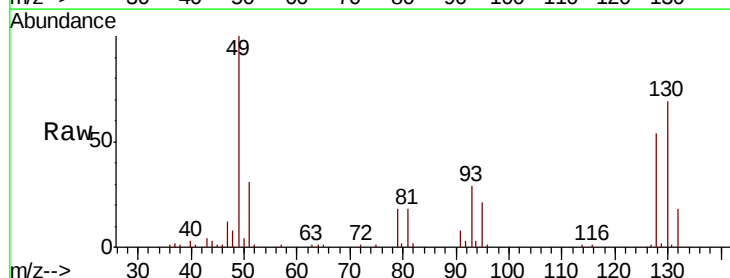
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



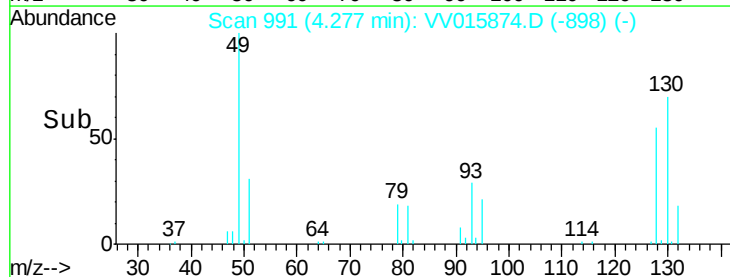
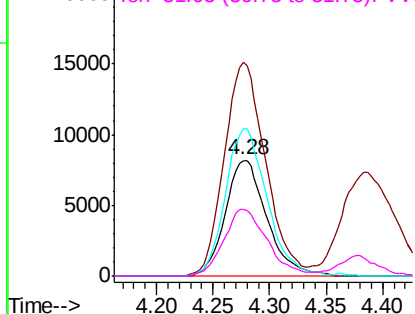
#23

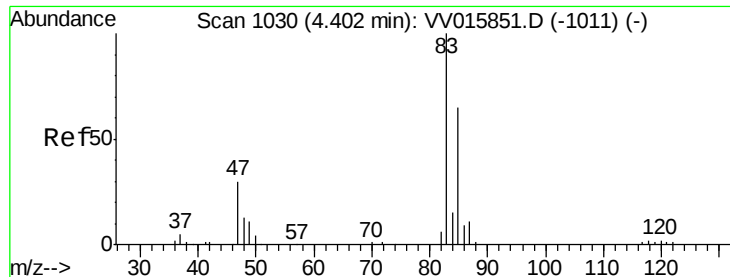
Bromochloromethane
 Concen: 5.582 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Tgt Ion:128 Resp: 20870
 Ion Ratio Lower Upper
 128 100
 49 185.3 130.8 242.8
 130 128.2 91.1 169.3
 51 57.7 45.2 67.8



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

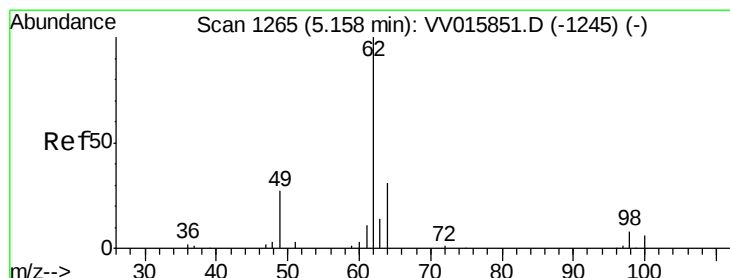
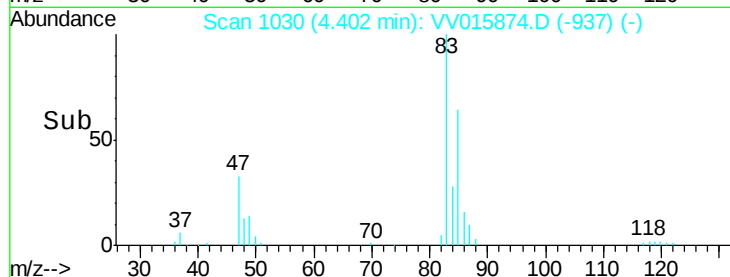
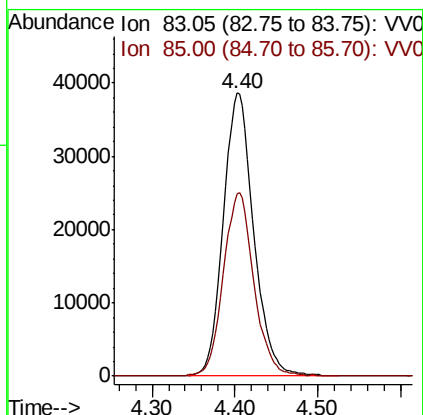
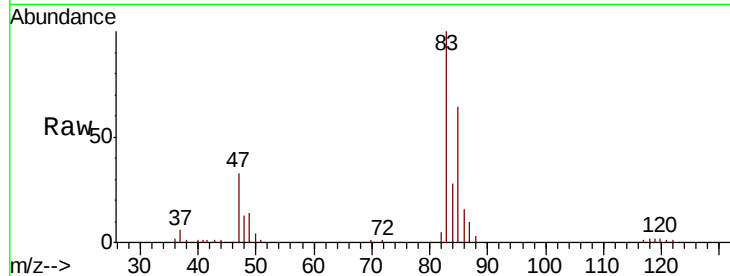




#25
Chloroform
Concen: 5.703 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

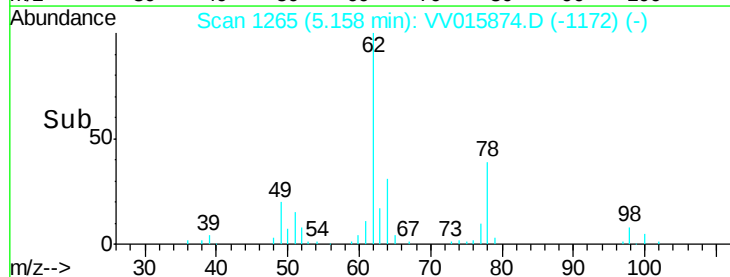
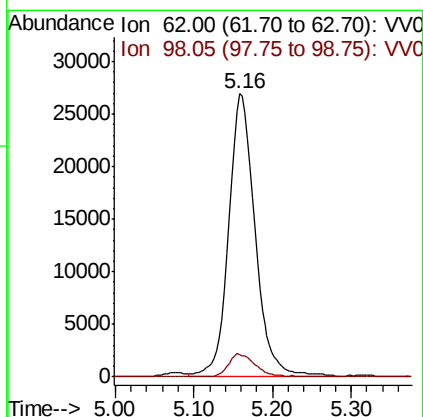
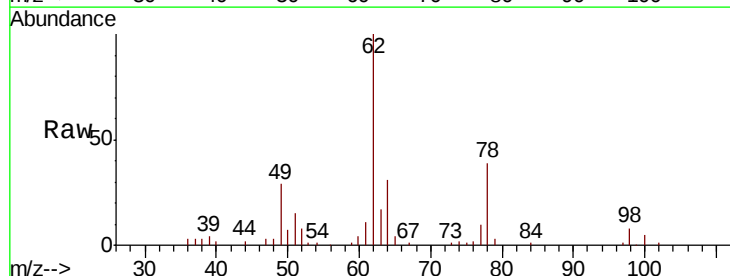
Instrument :
MSVOA_V
ClientSampleId :

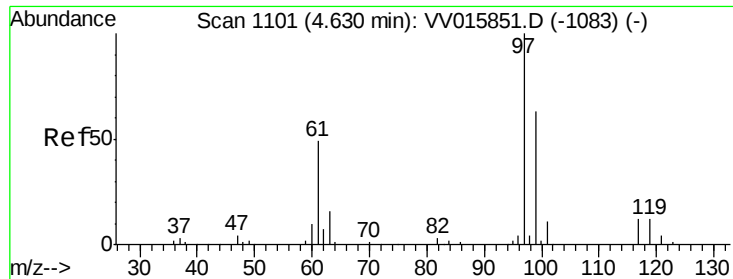
Tot Ion: 83 Resp: 98421
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.566 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Tgt Ion: 62 Resp: 63103
Ion Ratio Lower Upper
62 100
98 8.1 6.3 9.5

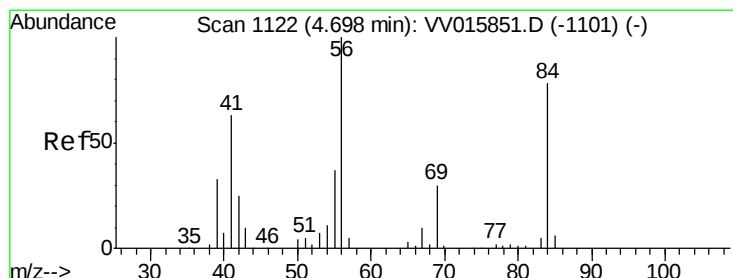
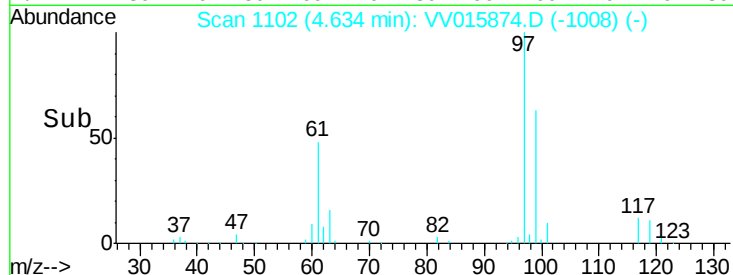
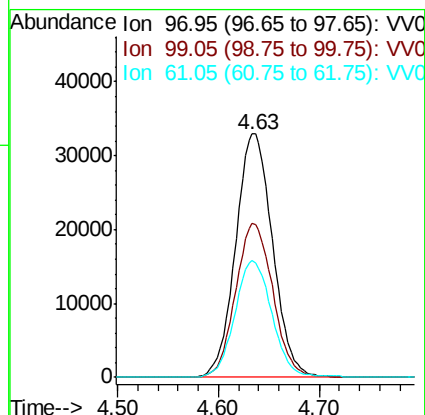
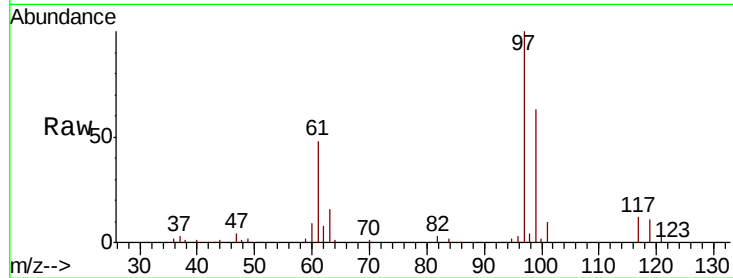




#29
 1,1,1-Trichloroethane
 Concen: 5.469 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

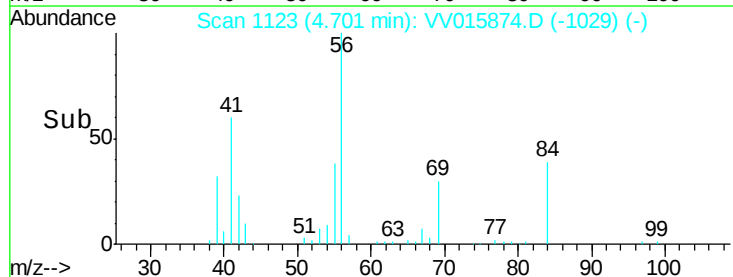
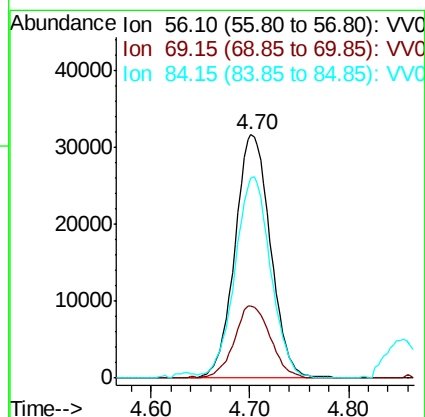
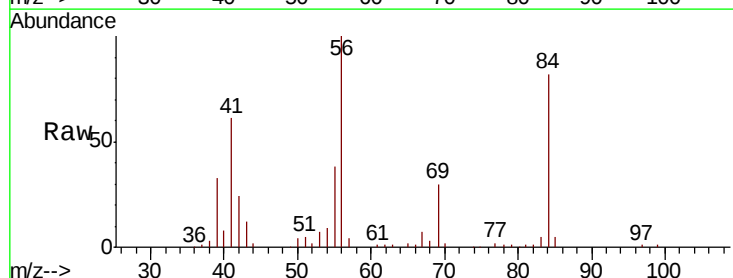
Instrument :
 MSVOA_V
 ClientSampled :

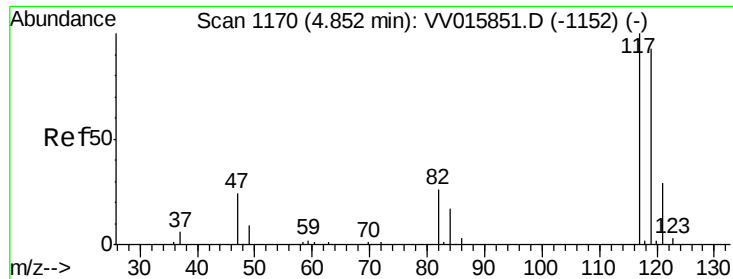
Tot Ion: 97 Resp: 83829
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.6 77.4
 61 48.0 38.6 57.8



#30
 Cyclohexane
 Concen: 5.410 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Tgt Ion: 56 Resp: 79226
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.9 35.9
 84 83.4 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.406 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

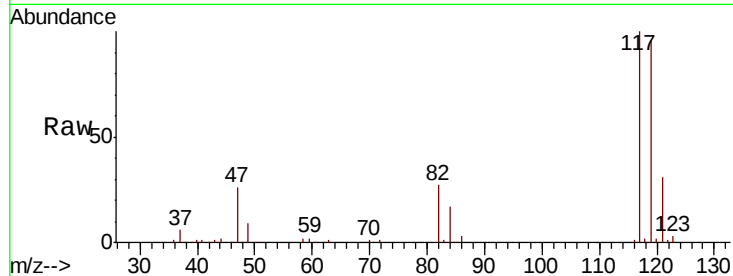
ClientSampleId :

Tot Ion:117 Resp: 68624

Ion Ratio Lower Upper

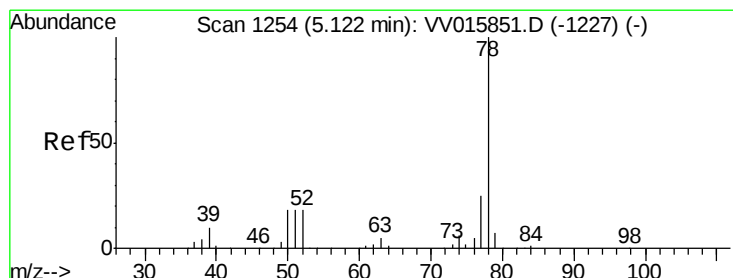
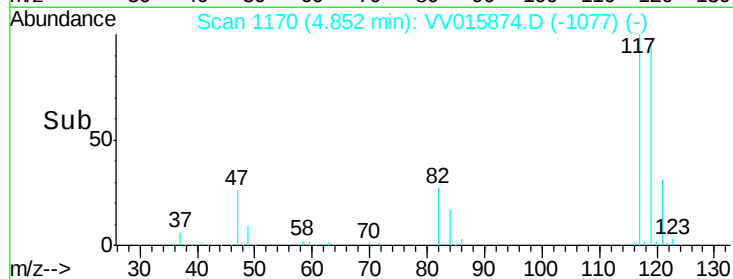
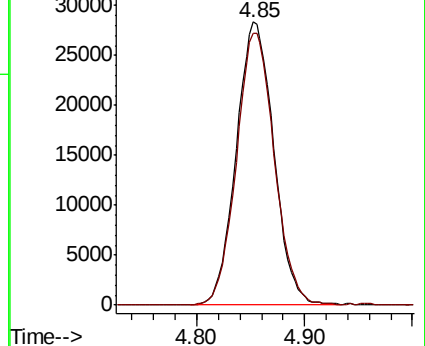
117 100

119 96.9 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.512 ug/L

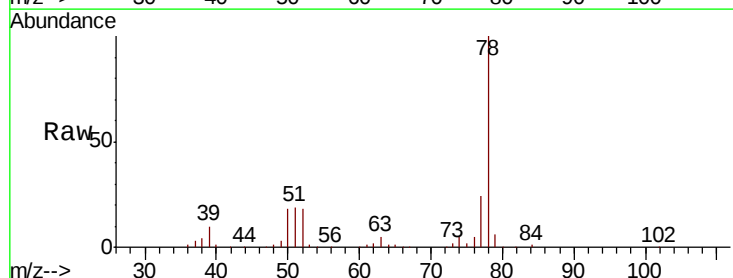
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

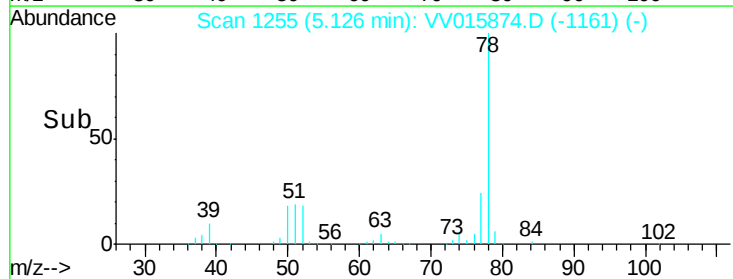
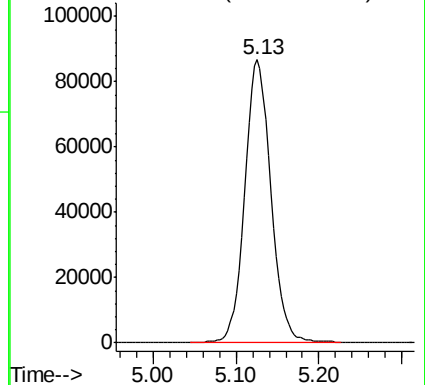
Lab File: VV015874.D

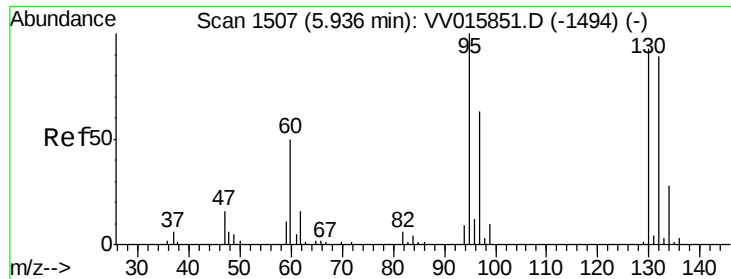
Acq: 01 May 2020 21:55

Tgt Ion: 78 Resp: 190365



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.436 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 51845

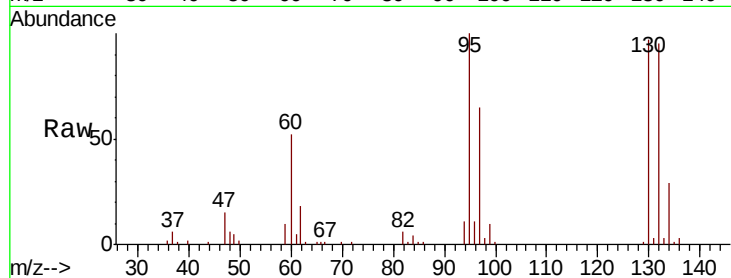
Ion Ratio Lower Upper

95 100

97 64.8 44.7 82.9

132 95.0 65.2 121.0

130 96.8 65.0 120.6

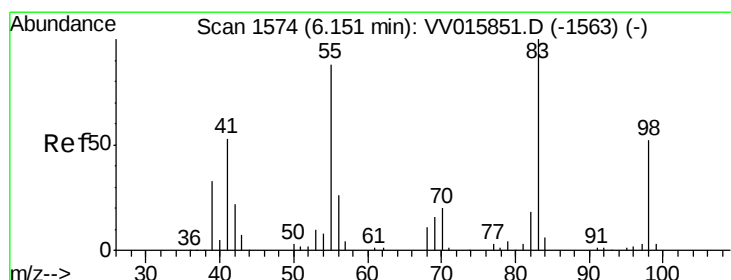
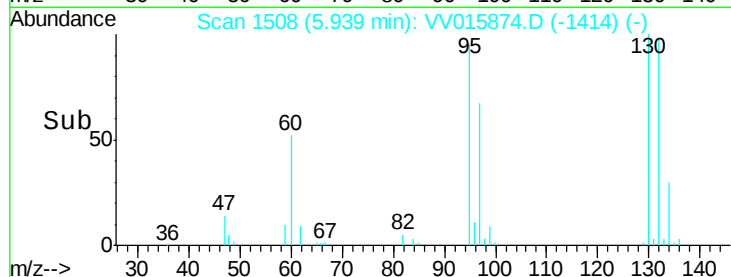
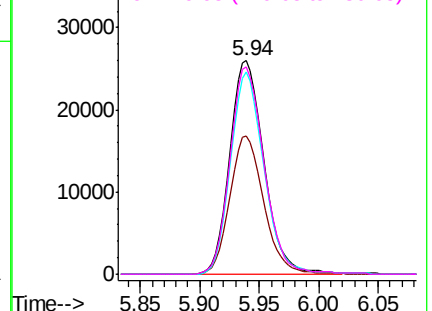


Abundance Ion 95.00 (94.70 to 95.70): VV015874.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015874.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015874.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015874.D (-1414) (-)



#35

Methylcyclohexane

Concen: 5.282 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

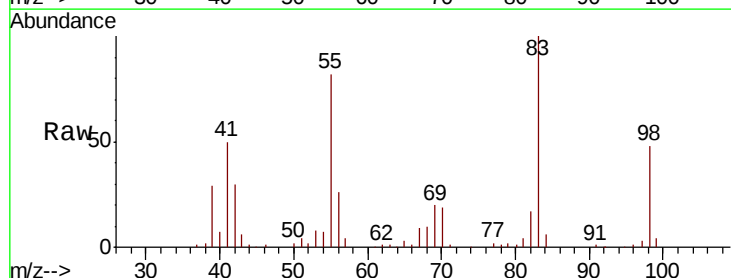
Tgt Ion: 83 Resp: 77318

Ion Ratio Lower Upper

83 100

55 82.0 66.6 99.8

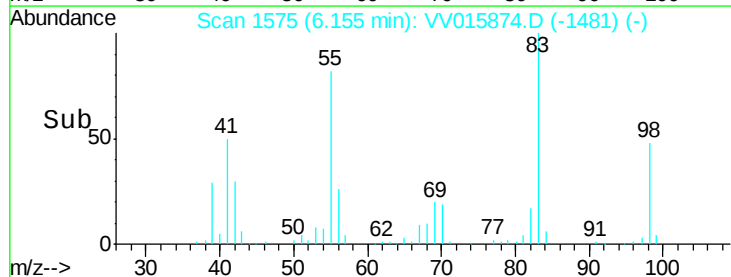
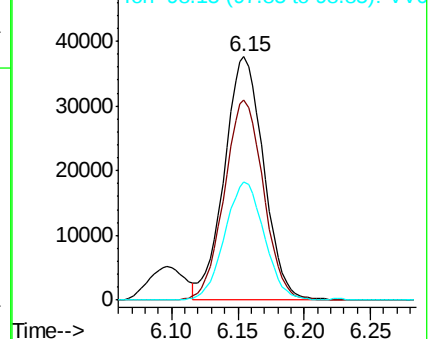
98 48.9 39.5 59.3

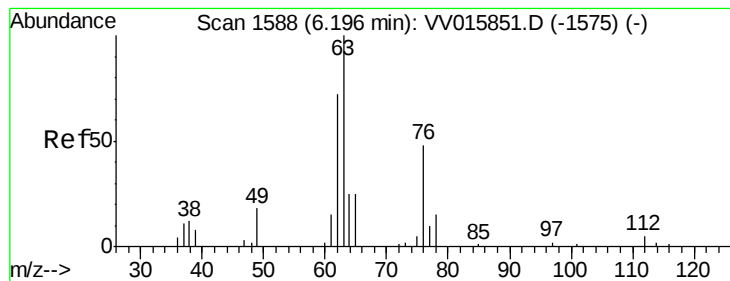


Abundance Ion 83.15 (82.85 to 83.85): VV015874.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV015874.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV015874.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 5.776 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

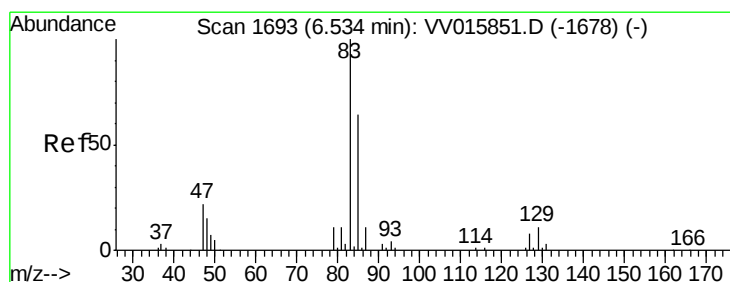
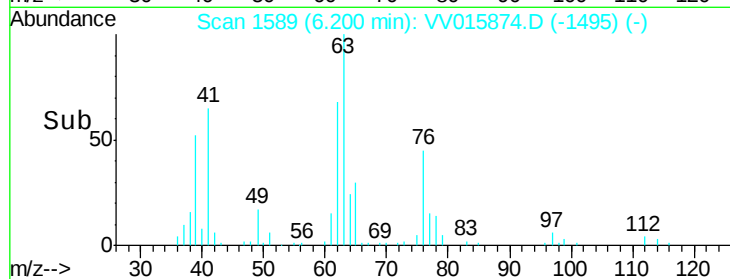
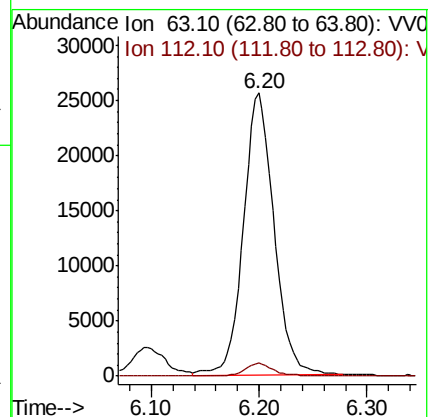
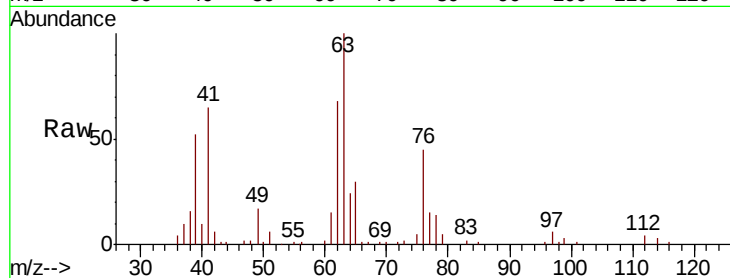
ClientSampled :

Tot Ion: 63 Resp: 50700

Ion Ratio Lower Upper

63 100

112 4.1 3.6 5.4



#38

Bromodichloromethane

Concen: 5.552 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

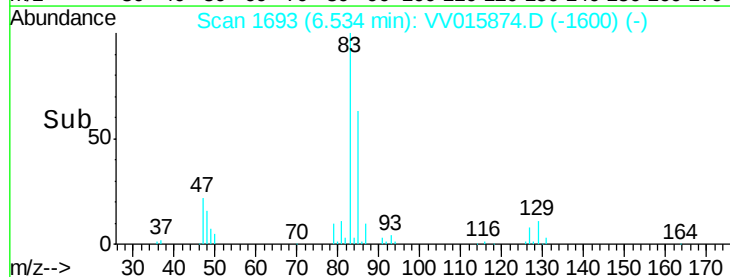
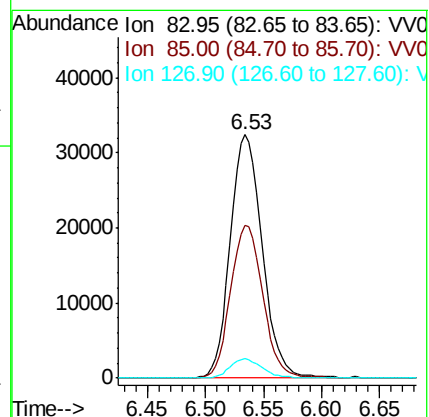
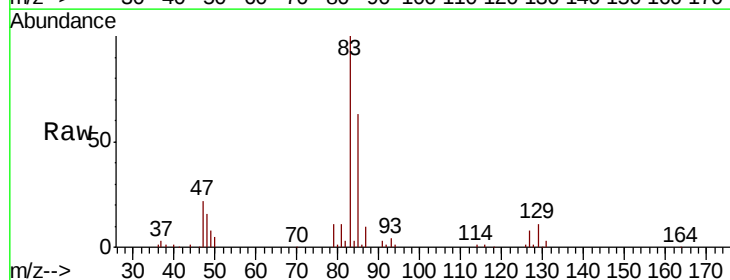
Tgt Ion: 83 Resp: 61885

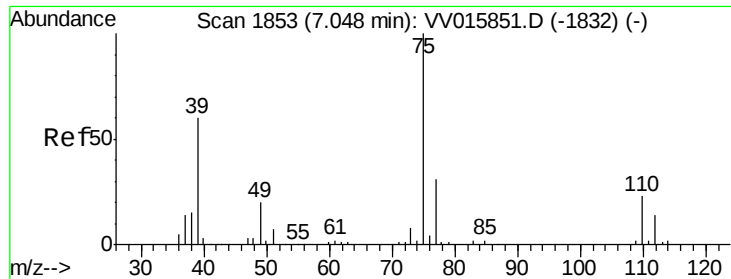
Ion Ratio Lower Upper

83 100

85 62.8 44.7 83.1

127 7.9 5.8 8.6

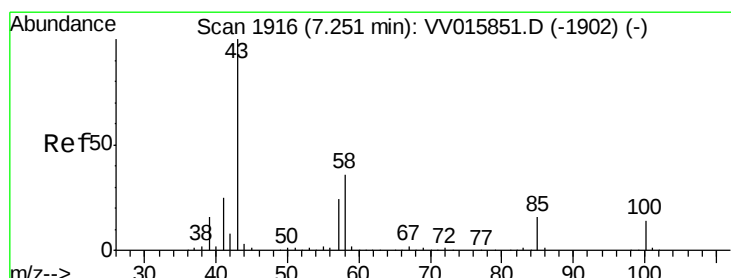
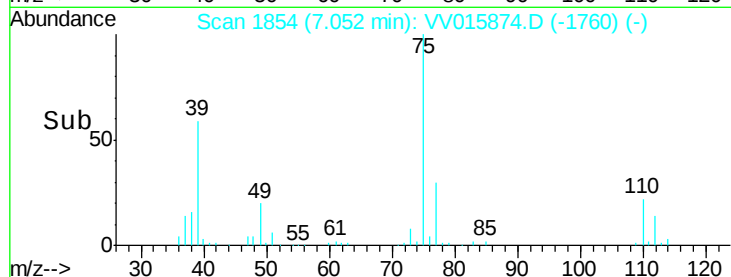
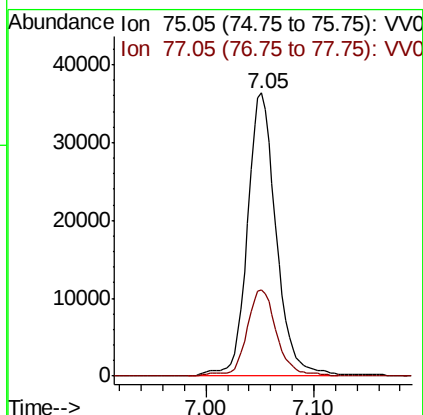
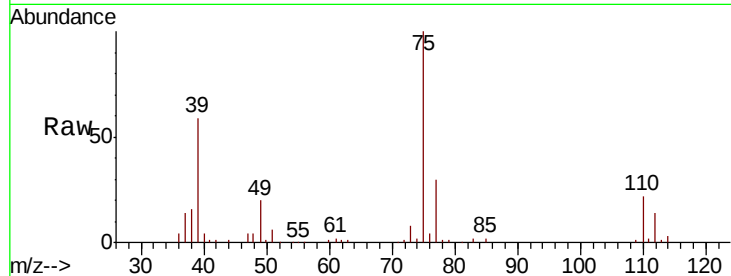




#39
 cis-1,3-Dichloropropene
 Concen: 5.504 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

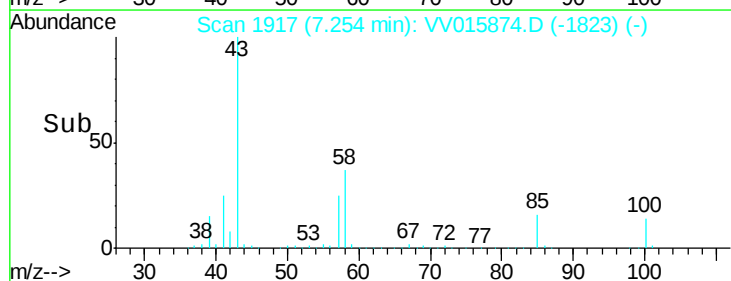
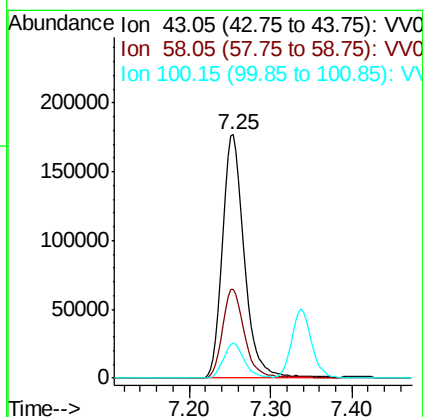
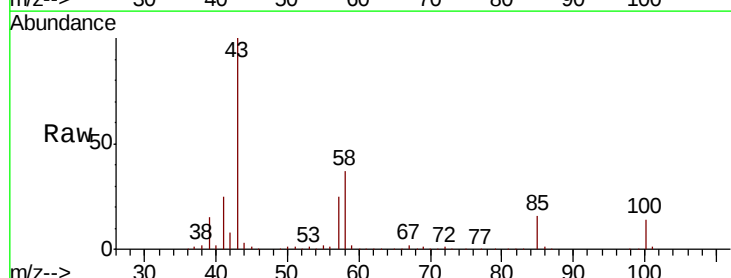
Instrument :
 MSVOA_V
 ClientSampleId :

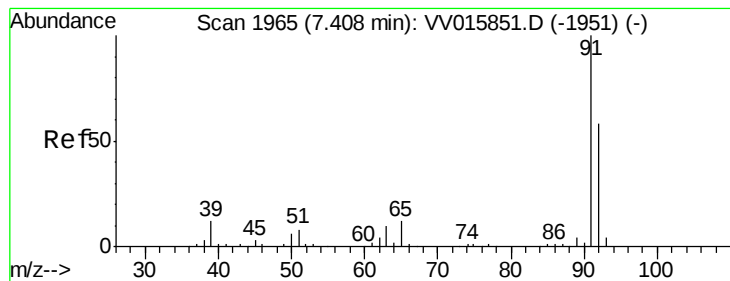
Tot Ion: 75 Resp: 67350
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 59.281 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Tgt Ion: 43 Resp: 337731
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.2 43.8
 100 13.6 11.4 17.2





#42

Toluene

Concen: 5.592 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

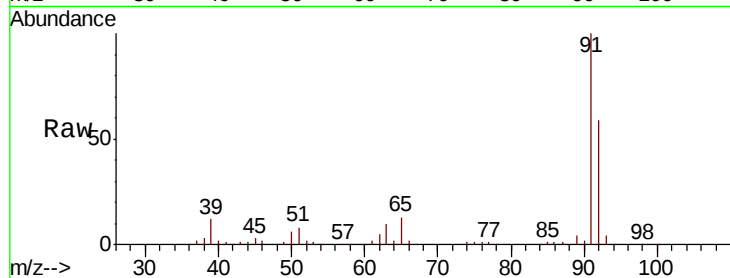
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 206357

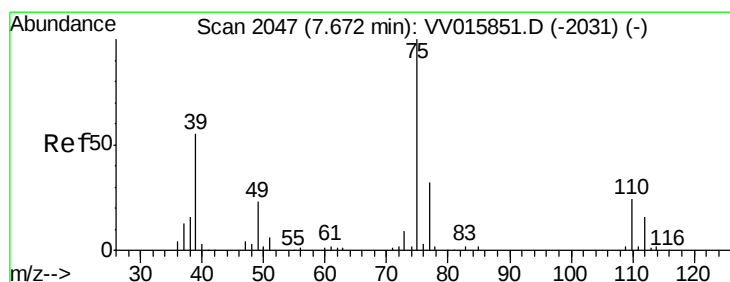
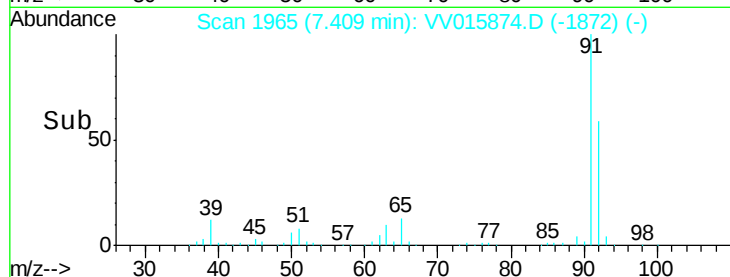
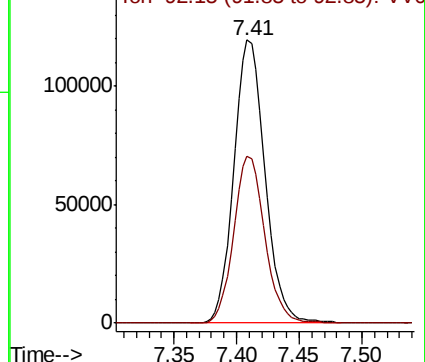
Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



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



#44

trans-1,3-Dichloropropene

Concen: 5.457 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015874.D

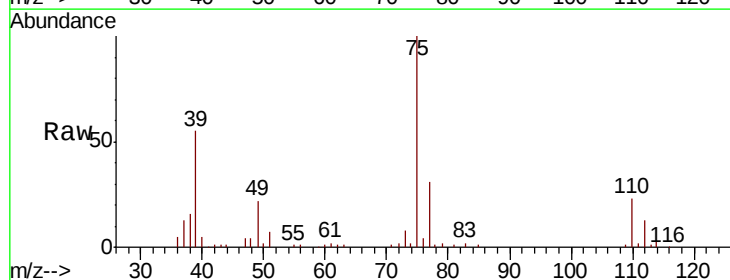
Acq: 01 May 2020 21:55

Tgt Ion: 75 Resp: 56109

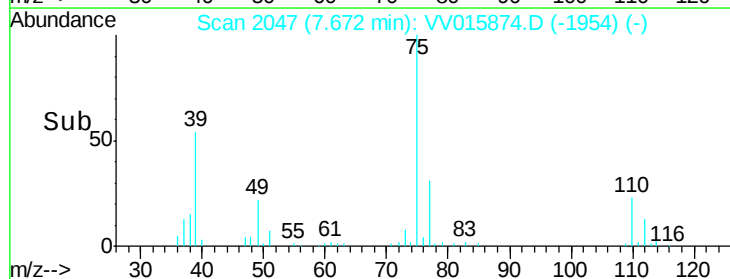
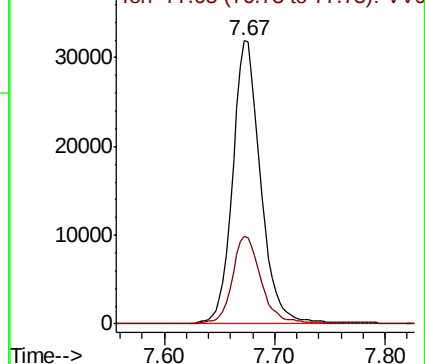
Ion Ratio Lower Upper

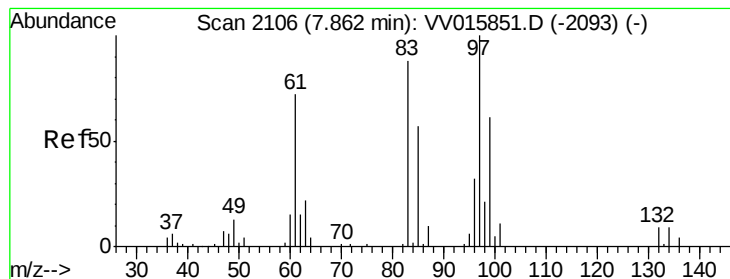
75 100

77 30.9 21.8 40.6



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





#45

1,1,2-Trichloroethane

Concen: 5.714 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 34184

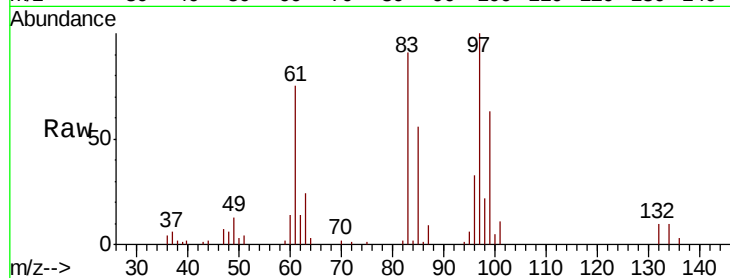
Ion Ratio Lower Upper

97 100

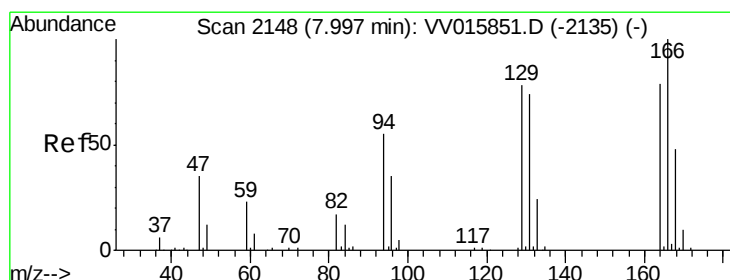
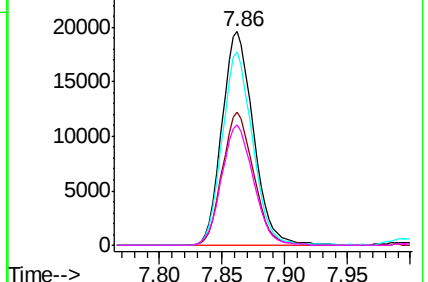
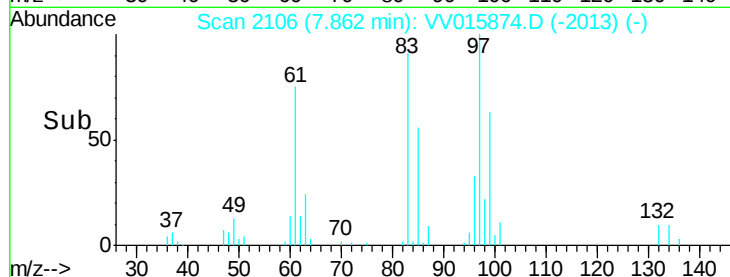
99 62.6 45.4 84.4

83 90.6 61.3 113.9

85 56.1 38.4 71.4



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: 5.295 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Tgt Ion: 164 Resp: 36361

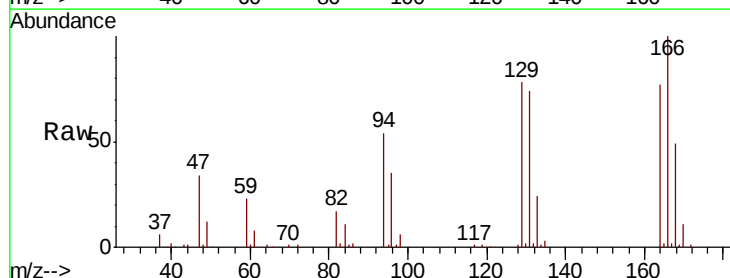
Ion Ratio Lower Upper

164 100

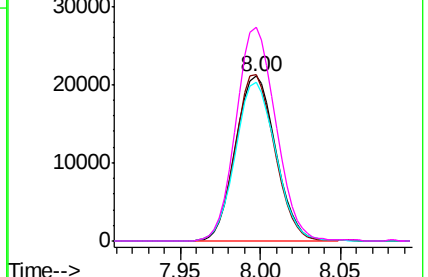
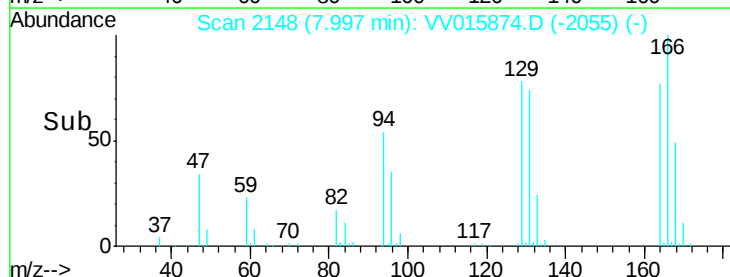
129 100.8 66.7 123.9

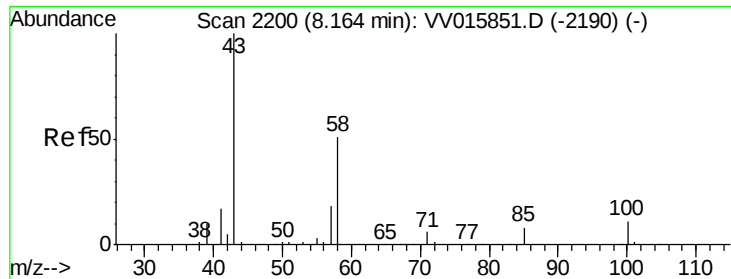
131 96.2 66.6 123.6

166 129.7 85.3 158.5



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

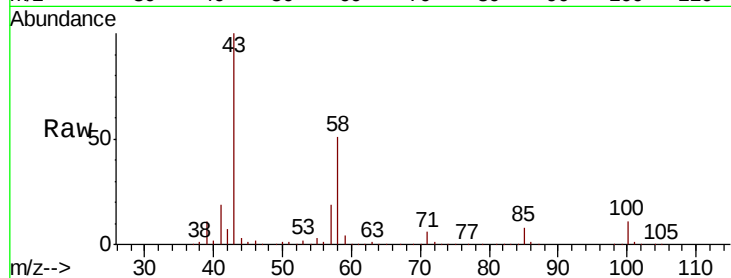




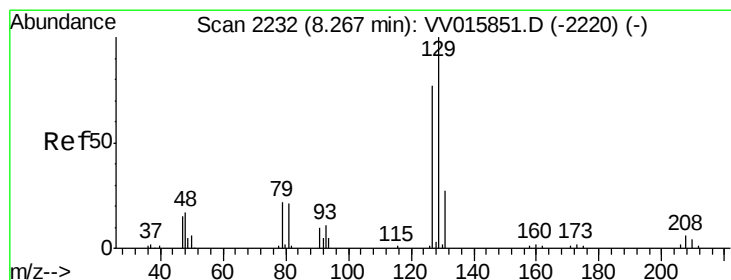
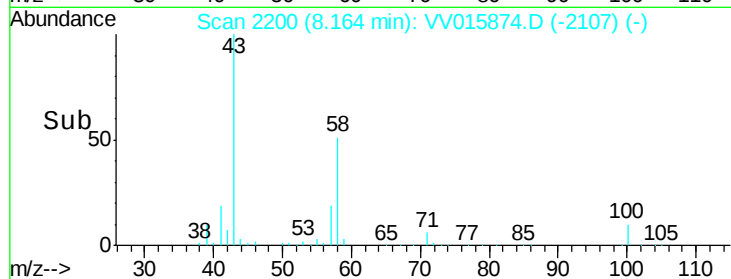
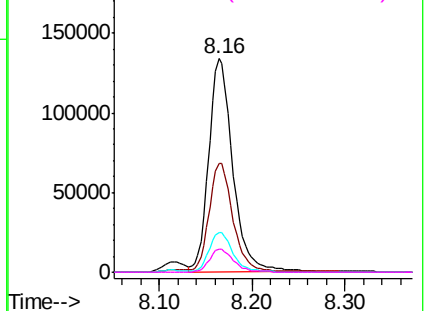
#48
2-Hexanone
Concen: 59.098 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 240097
Ion Ratio Lower Upper
43 100
58 50.3 41.1 61.7
57 18.3 15.0 22.4
100 11.1 9.0 13.4

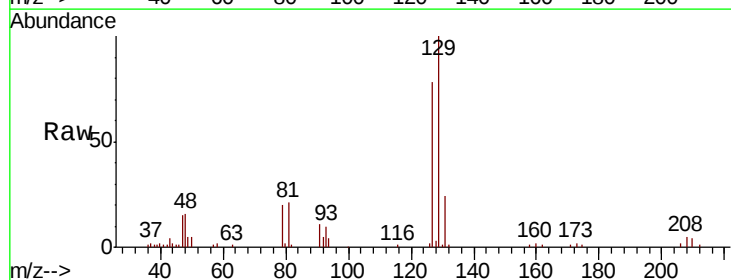


Abundance Ion 43.05 (42.75 to 43.75): VV015874.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015874.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015874.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015874.D (-2107) (-)

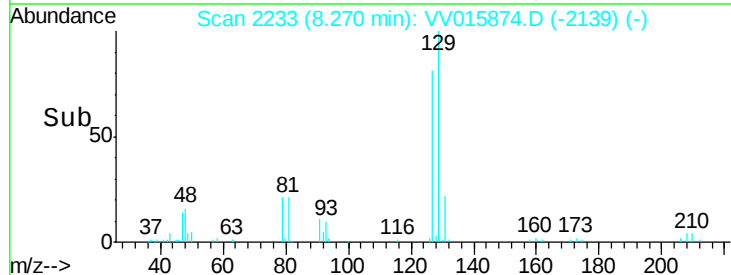
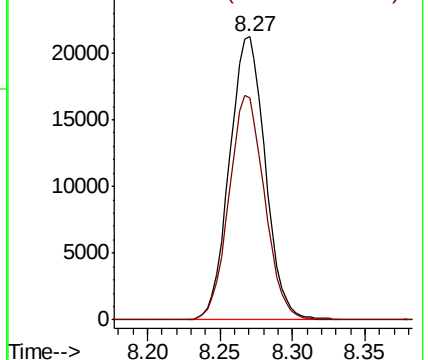


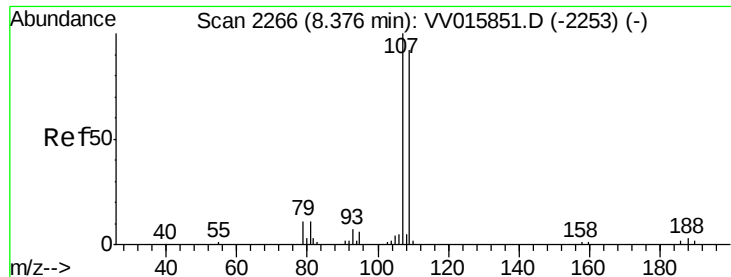
#49
Dibromochloromethane
Concen: 5.865 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Tgt Ion: 129 Resp: 36317
Ion Ratio Lower Upper
129 100
127 78.2 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015874.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015874.D (-2139) (-)

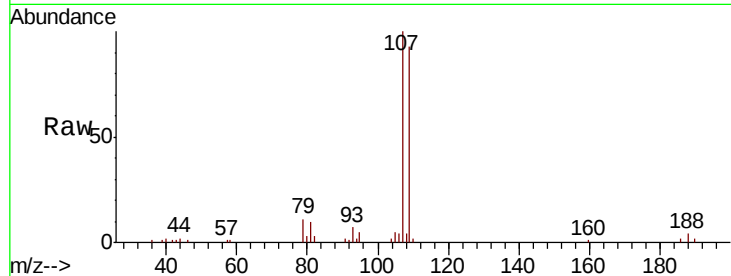




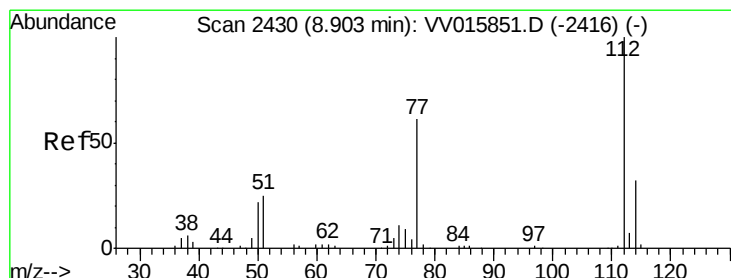
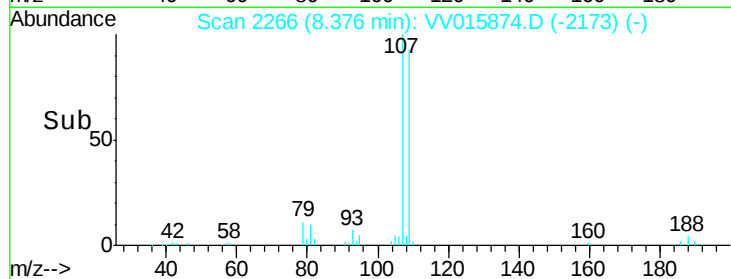
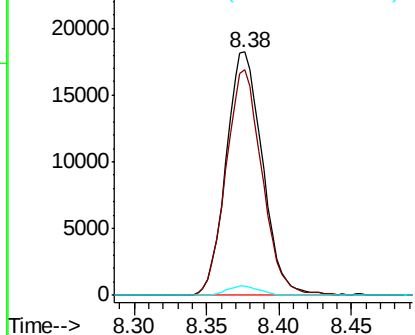
#50
1,2-Dibromoethane
Concen: 5.725 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 31674
Ion Ratio Lower Upper
107 100
109 92.7 68.1 126.5
188 4.0 3.2 4.8

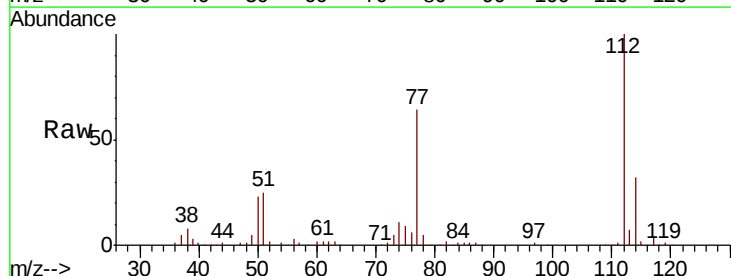


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

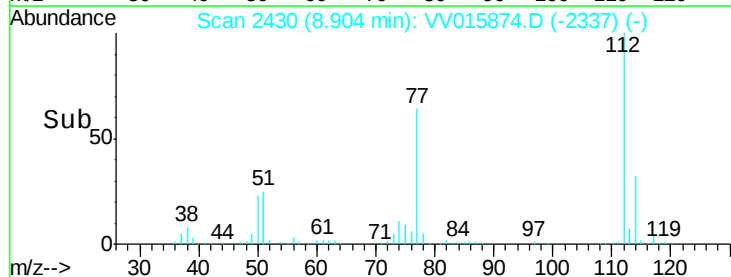
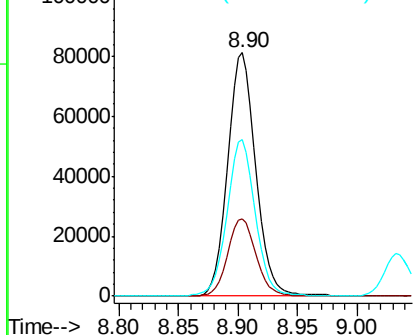


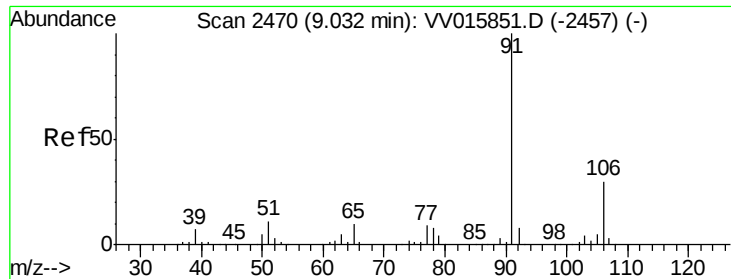
#51
Chlorobenzene
Concen: 5.484 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Tgt Ion:112 Resp: 132572
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.2
77 64.1 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

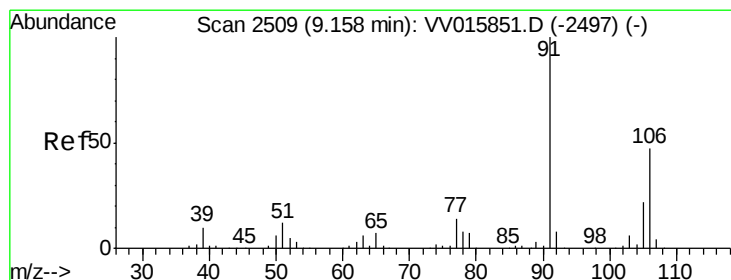
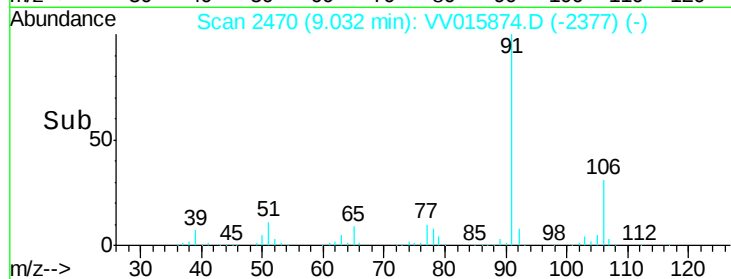
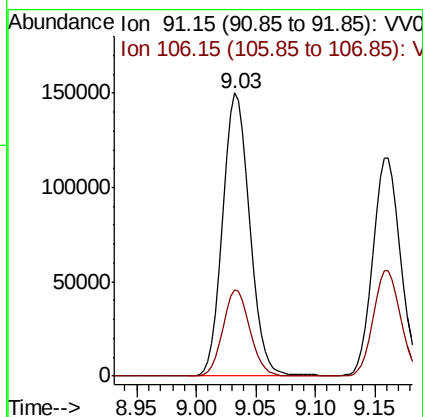
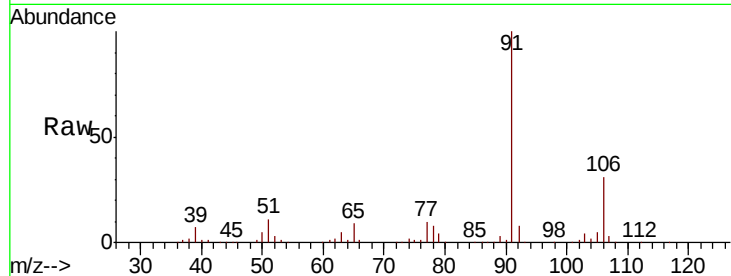




#52
Ethylbenzene
Concen: 5.560 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

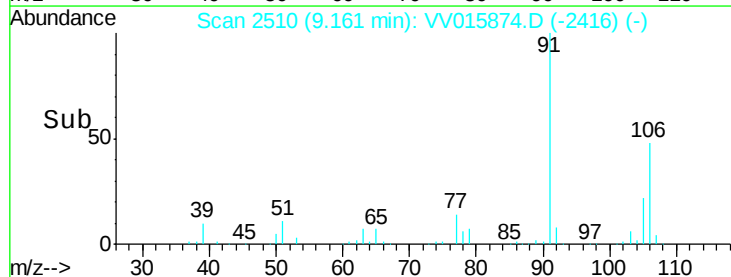
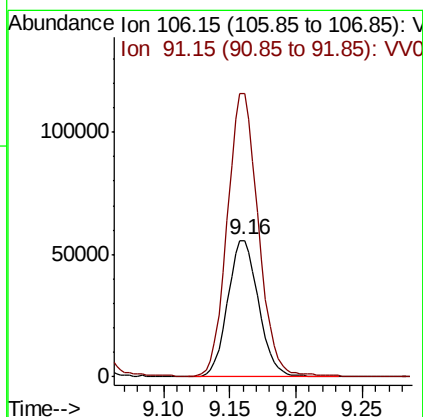
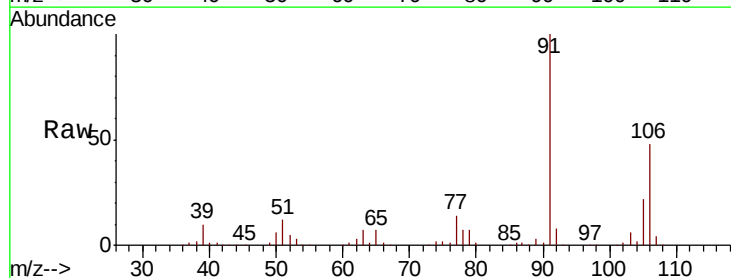
Instrument :
MSVOA_V
ClientSampleId :

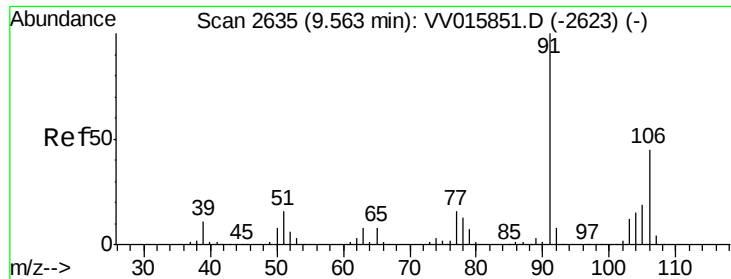
Tot Ion: 91 Resp: 237422
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-xylene
Concen: 5.736 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015874.D
Acq: 01 May 2020 21:55

Tgt Ion: 106 Resp: 89727
Ion Ratio Lower Upper
106 100
91 207.3 147.8 274.4





#54

o-xylene

Concen: 5.735 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

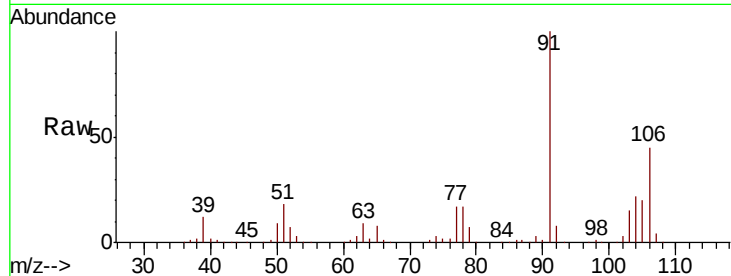
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 86793

Ion Ratio Lower Upper

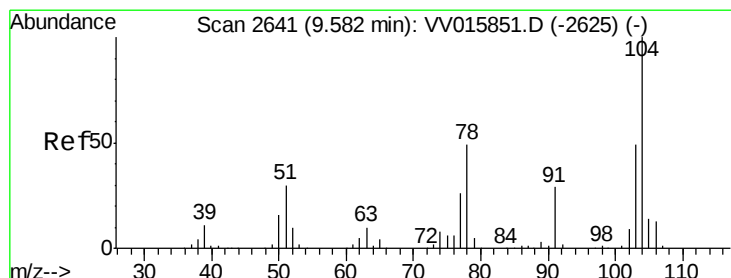
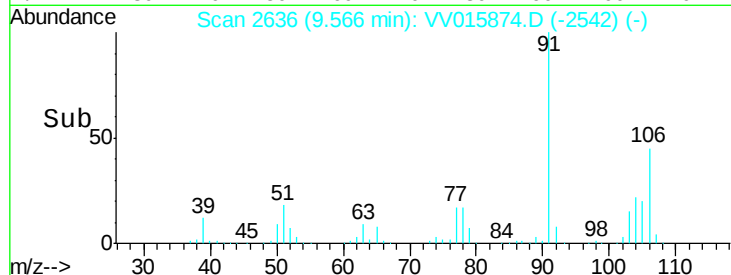
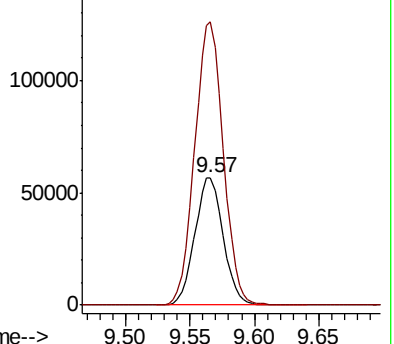
106 100

91 222.2 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.734 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015874.D

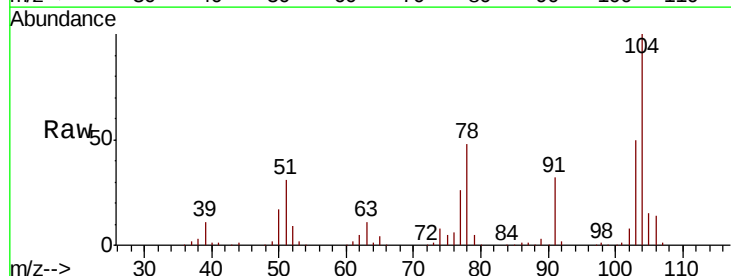
Acq: 01 May 2020 21:55

Tgt Ion:104 Resp: 147264

Ion Ratio Lower Upper

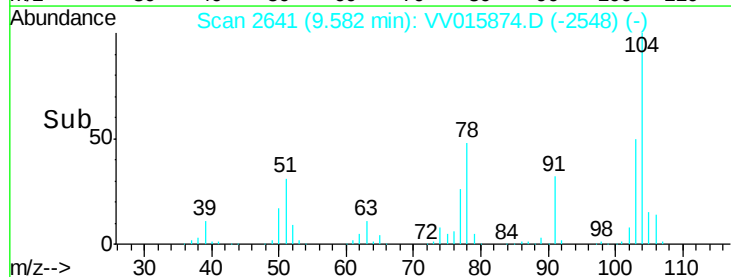
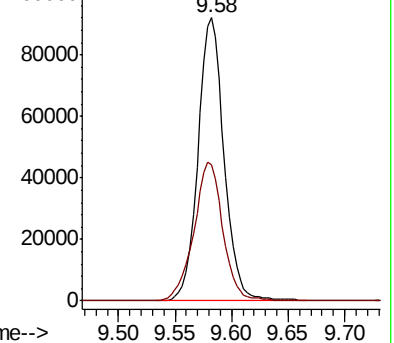
104 100

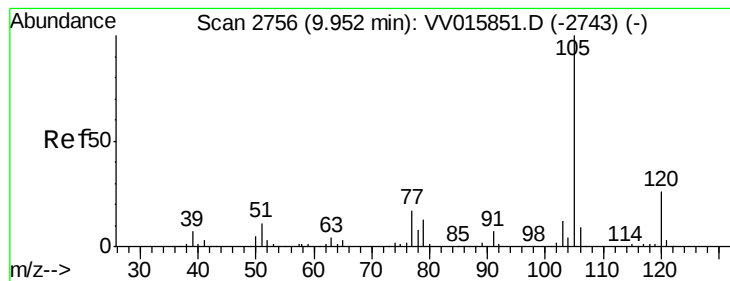
78 48.1 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.648 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampleId :

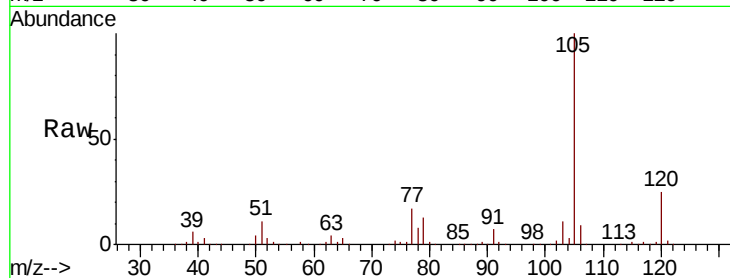
Tot Ion:105 Resp: 239808

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

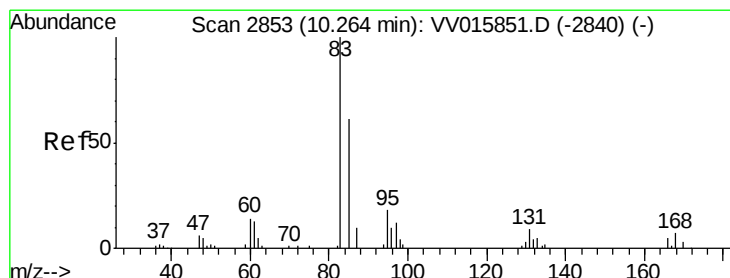
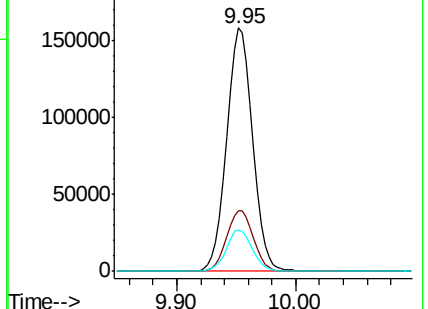
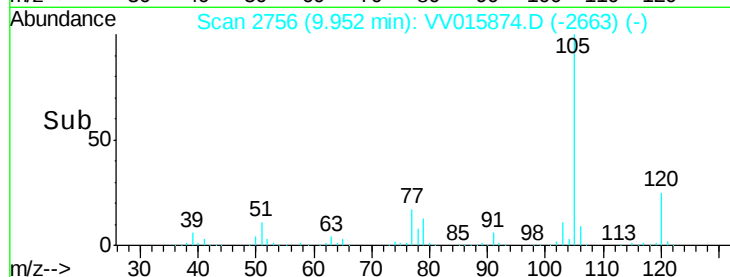
77 17.0 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): VV015874.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV015874.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV015874.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.762 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

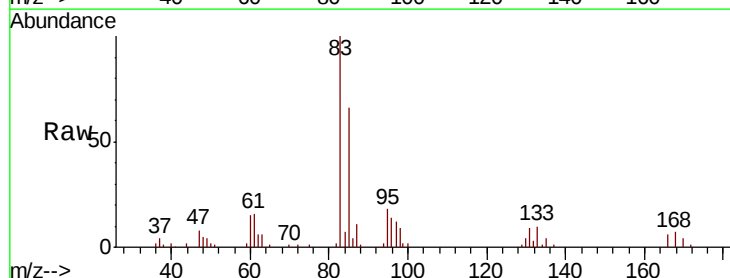
Tgt Ion: 83 Resp: 40253

Ion Ratio Lower Upper

83 100

85 66.0 46.3 85.9

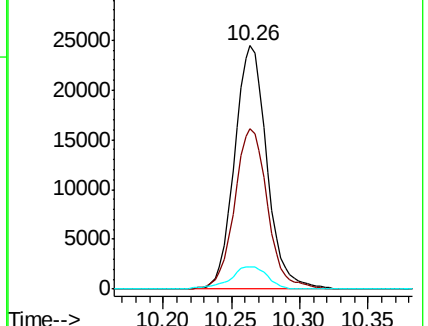
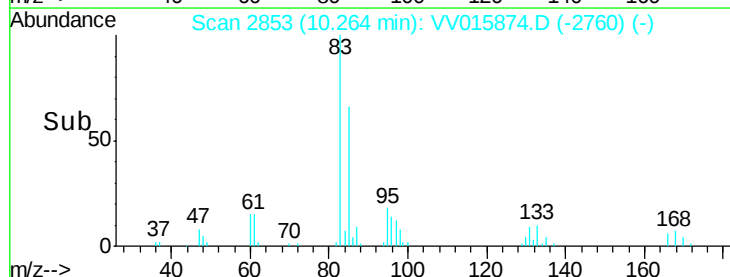
131 9.3 7.7 11.5

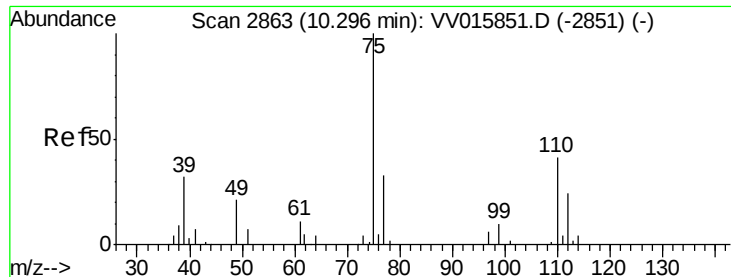


Abundance Ion 82.95 (82.65 to 83.65): VV015874.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015874.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV015874.D (-2760) (-)

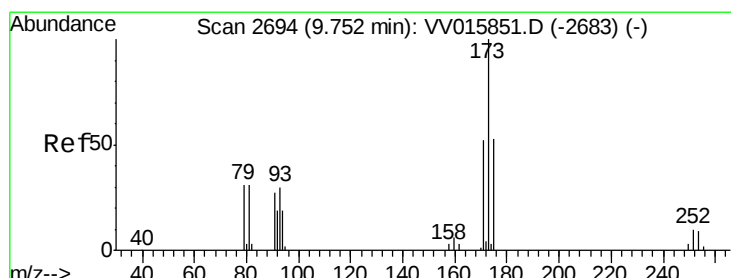
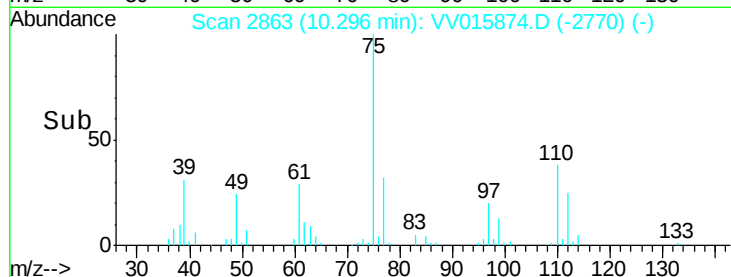
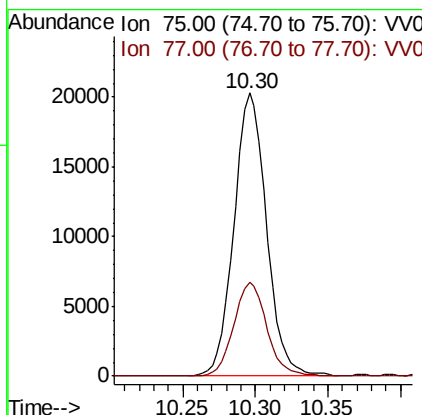
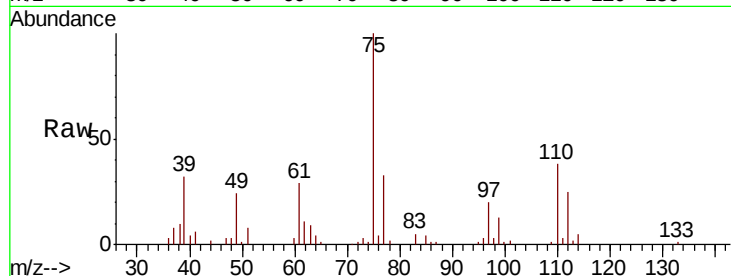




#59
 1,2,3-Trichloropropane
 Concen: 5.649 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

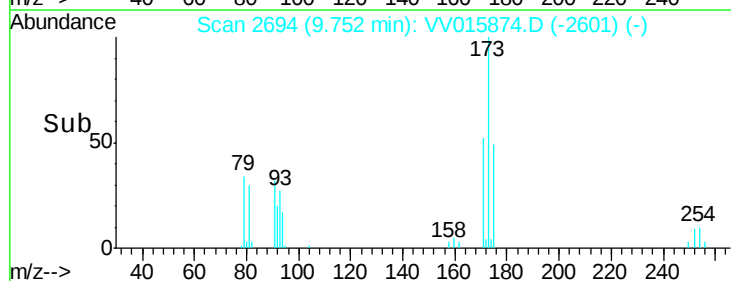
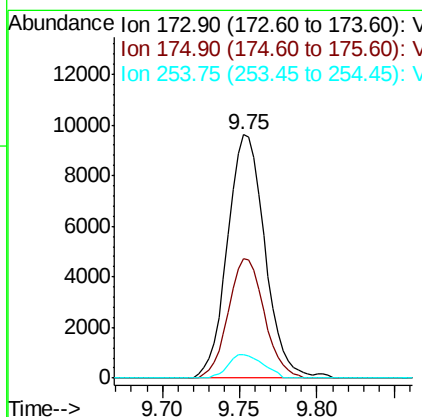
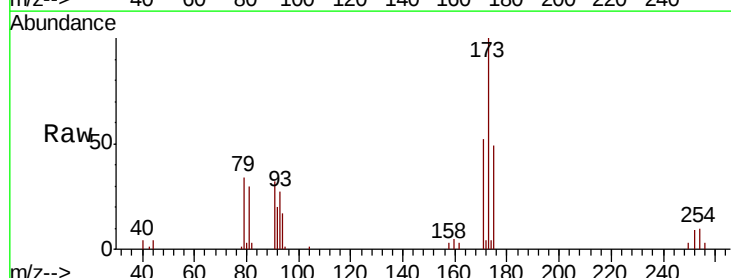
Instrument :
 MSVOA_V
 ClientSampled :

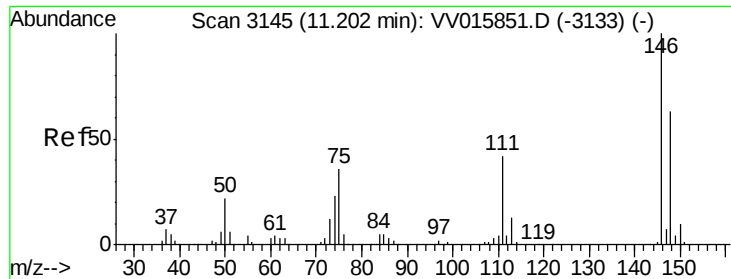
Tot Ion: 75 Resp: 31661
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.0 39.0



#61
 Bromoform
 Concen: 6.407 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Tgt Ion: 173 Resp: 16171
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.8 59.8
 254 9.0 5.8 8.8#





#62

1,3-Dichlorobenzene

Concen: 5.568 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampled :

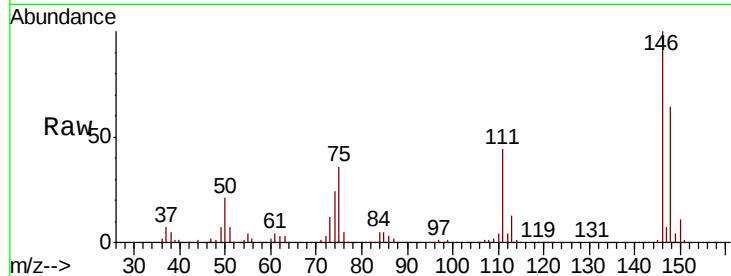
Tot Ion:146 Resp: 107746

Ion Ratio Lower Upper

146 100

111 43.6 30.0 55.6

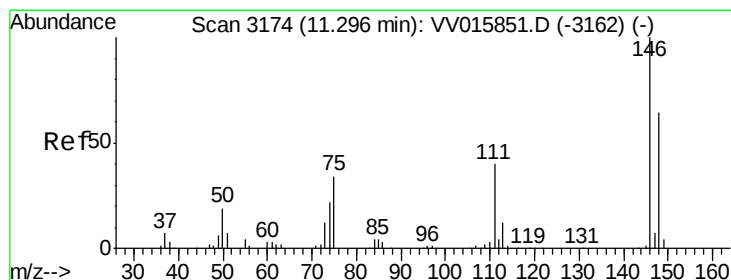
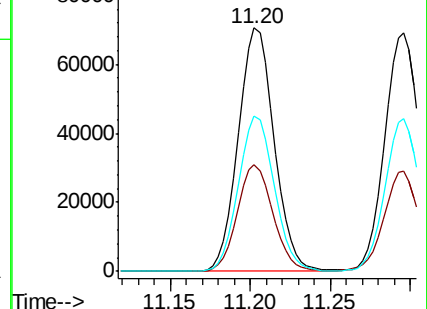
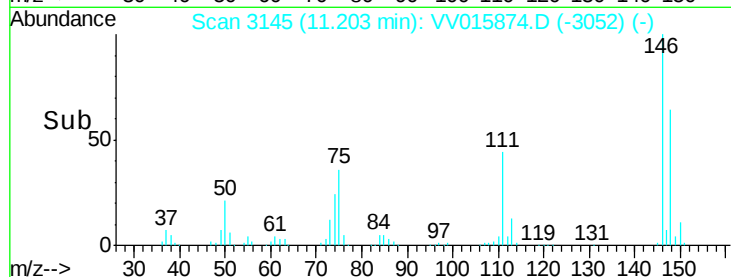
148 63.8 44.2 82.2



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: 5.493 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

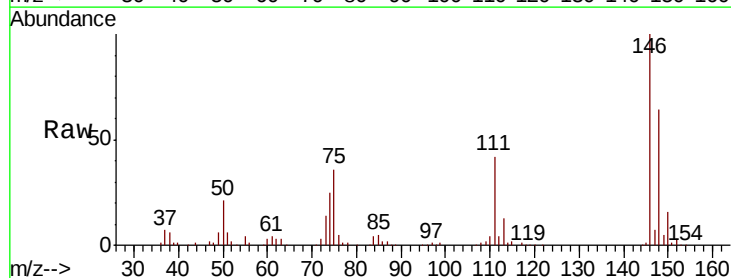
Tgt Ion:146 Resp: 107187

Ion Ratio Lower Upper

146 100

111 42.0 28.2 52.4

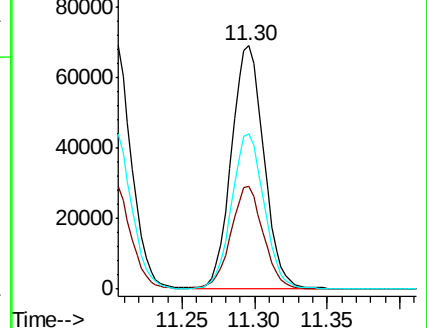
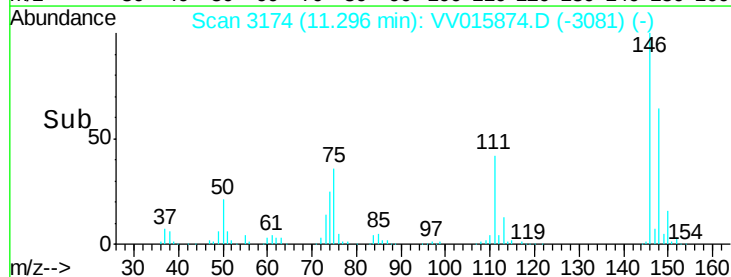
148 64.0 45.7 84.9

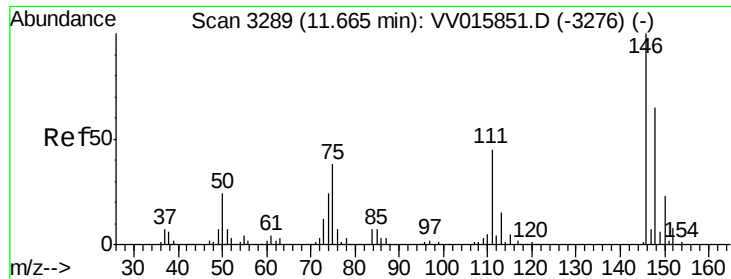


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.731 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampleId :

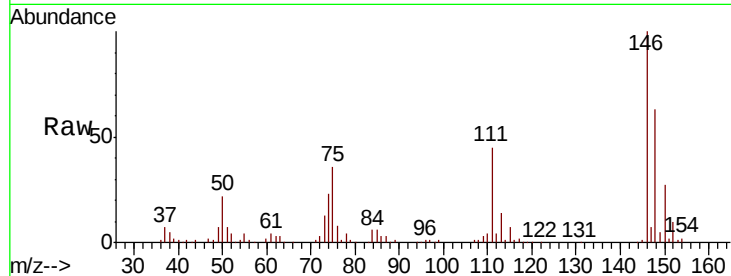
Tot Ion:146 Resp: 100305

Ion Ratio Lower Upper

146 100

111 44.5 34.7 52.1

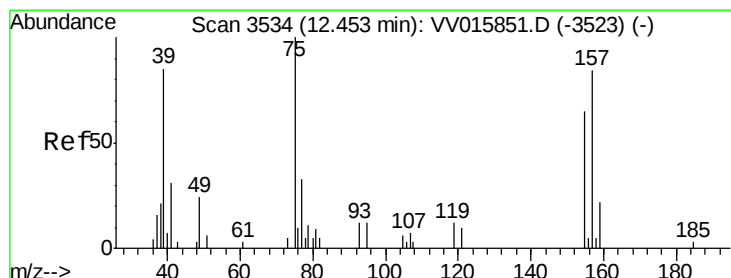
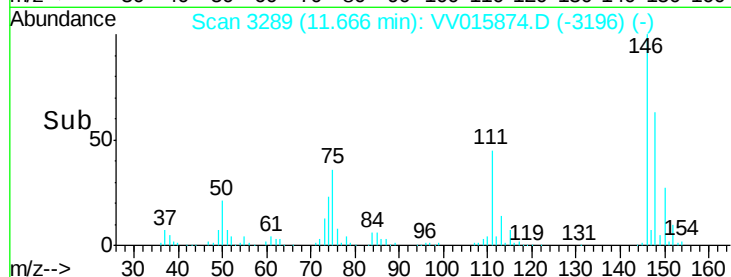
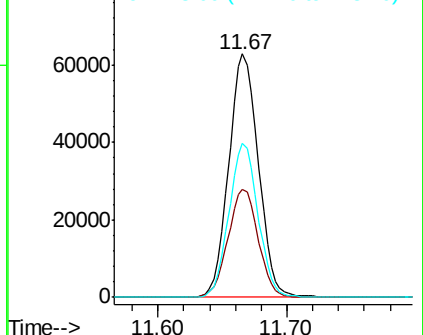
148 63.2 51.3 76.9



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: 5.468 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

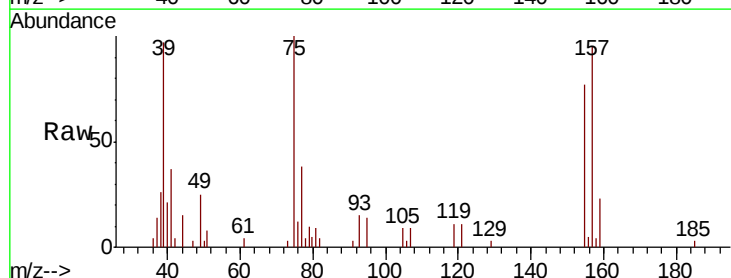
Tgt Ion: 75 Resp: 6235

Ion Ratio Lower Upper

75 100

155 76.6 51.0 76.4#

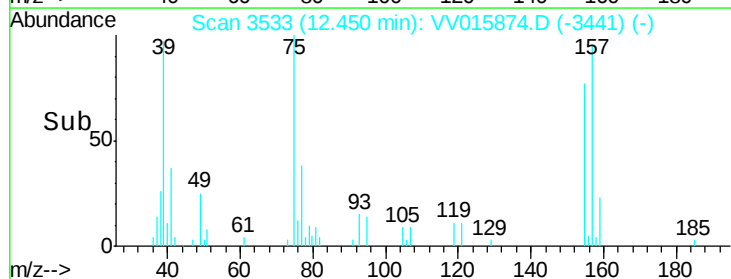
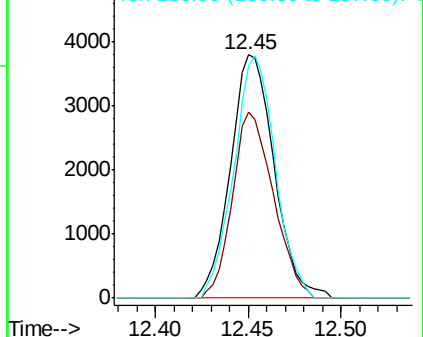
157 95.3 70.6 106.0

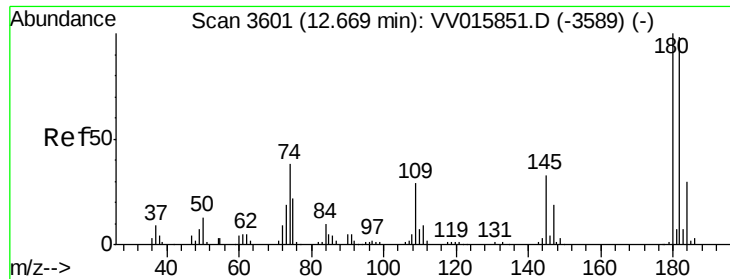


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

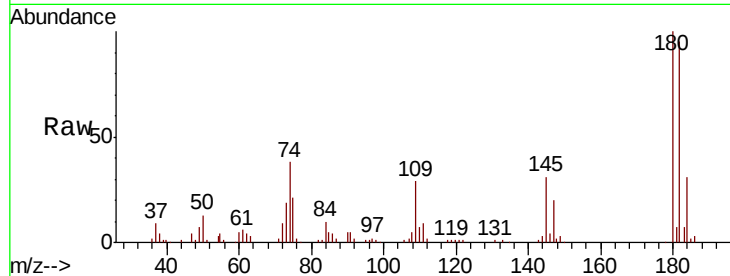




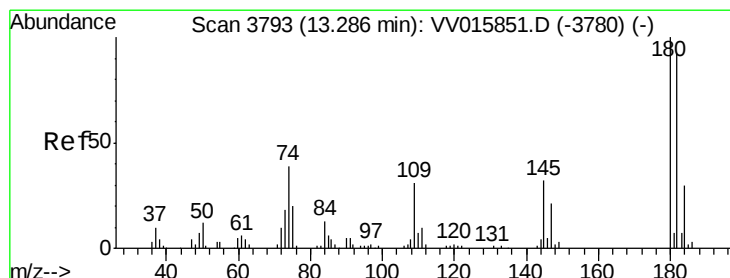
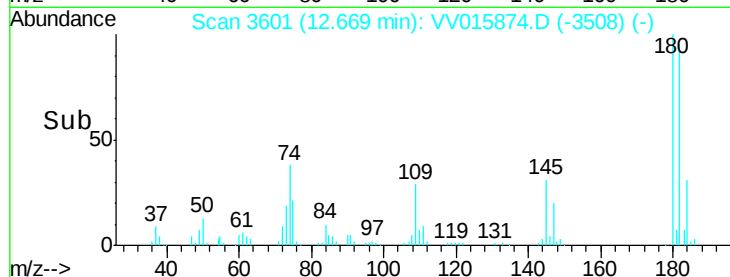
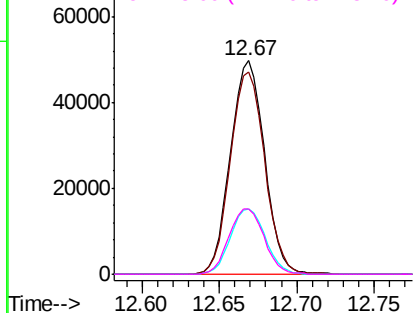
#67
 1,3,5-Trichlorobenzene
 Concen: 5.308 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 75906
 Ion Ratio Lower Upper
 180 100
 182 95.9 78.2 117.4
 184 31.4 25.0 37.4
 145 31.5 26.4 39.6

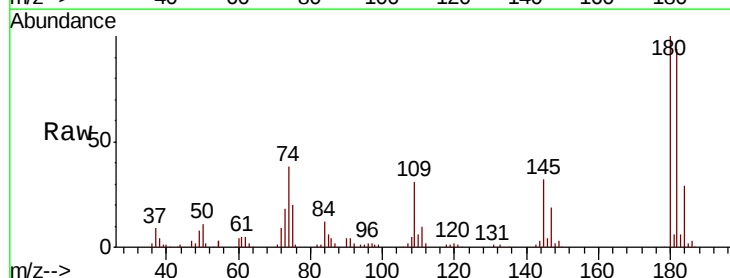


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

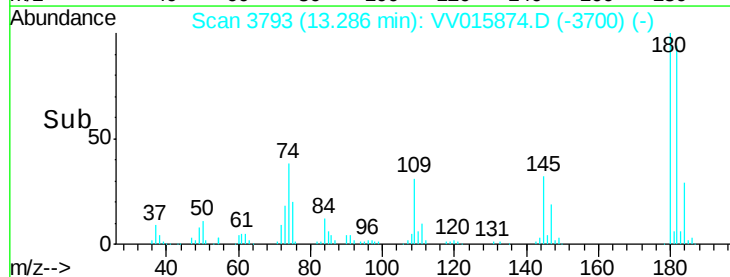
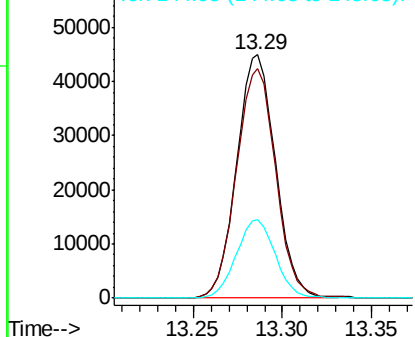


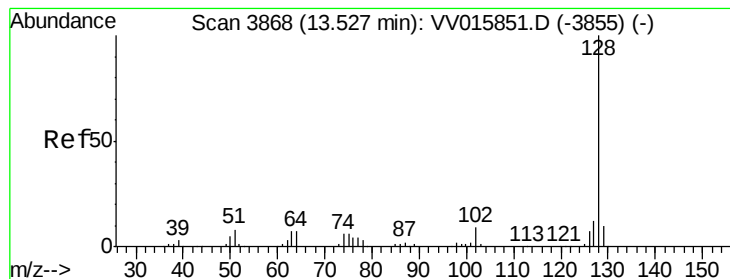
#68
 1,2,4-trichlorobenzene
 Concen: 5.172 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015874.D
 Acq: 01 May 2020 21:55

Tgt Ion:180 Resp: 68064
 Ion Ratio Lower Upper
 180 100
 182 95.3 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: 5.407 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

Instrument :

MSVOA_V

ClientSampled :

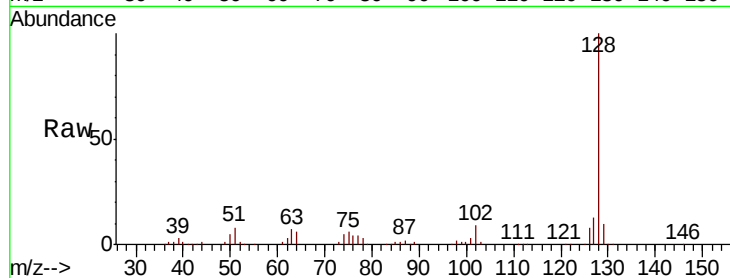
Tot Ion:128 Resp: 127363

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

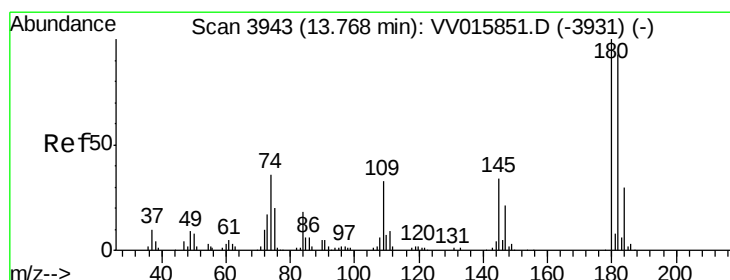
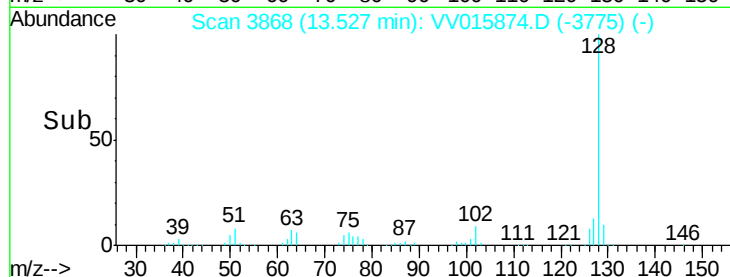
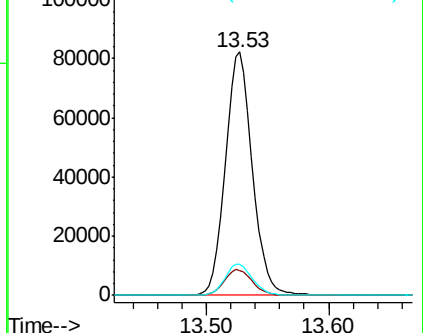
127 13.2 10.2 15.4



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: 5.171 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015874.D

Acq: 01 May 2020 21:55

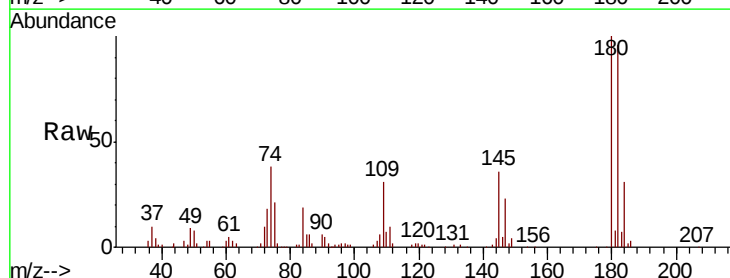
Tgt Ion:180 Resp: 60059

Ion Ratio Lower Upper

180 100

182 97.2 74.8 112.2

145 36.8 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

