

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016242.D
 Acq On : 27 May 2020 20:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93866	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93834	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	47619	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27858	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	24610	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	54802	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	3.94	46	72061	48.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.38%
24) Chloroform-d	4.38	84	56719	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.06	65	29972	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.08	84	105209	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.10	67	32701	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.34	98	101523	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
45) trans-1,3-Dichloropropene-	7.64	79	11410	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
48) 2-Hexanone-d5	8.11	63	52171	42.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24482	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	34508	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	44799	5.422	ug/L 100
3) Chloromethane	1.25	50	47021	5.205	ug/L 99
5) Vinyl chloride	1.32	62	42804	5.207	ug/L 95
6) Bromomethane	1.53	94	23751	5.136	ug/L 98
8) Chloroethane	1.60	64	27178	5.917	ug/L 98
9) Trichlorofluoromethane	1.77	101	55663	5.237	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30972	5.347	ug/L 98
12) 1,1-Dichloroethene	2.14	96	29595	5.345	ug/L 91
13) Acetone	2.21	43	49206	53.159	ug/L 91
14) Carbon disulfide	2.31	76	87713	5.111	ug/L 100
15) Methyl Acetate	2.46	43	12809	5.415	ug/L 99
16) Methylene chloride	2.53	84	32346	5.096	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	69844	5.123	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	31035	5.122	ug/L 98
19) 1,1-Dichloroethane	3.21	63	63861	5.549	ug/L 100
21) 2-Butanone	4.02	43	84893	51.556	ug/L 89
22) cis-1,2-Dichloroethene	3.94	96	35128	4.902	ug/L 94

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

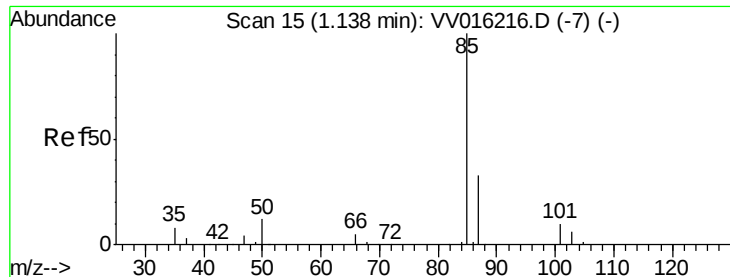
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	14292	5.254	ug/L	94
25) Chloroform	4.41	83	64744	5.315	ug/L	98
27) 1,2-Dichloroethane	5.16	62	41000	5.149	ug/L #	96
29) 1,1,1-Trichloroethane	4.64	97	55859	5.016	ug/L	100
30) Cyclohexane	4.70	56	56583	4.741	ug/L	99
31) Carbon tetrachloride	4.86	117	46722	4.951	ug/L	99
33) Benzene	5.13	78	135624	5.023	ug/L	100
34) Trichloroethene	5.94	95	35236	5.009	ug/L	98
35) Methylcyclohexane	6.15	83	56419	4.755	ug/L	98
37) 1,2-Dichloropropane	6.20	63	34825	5.258	ug/L	99
38) Bromodichloromethane	6.53	83	40550	4.976	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	44322	4.725	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	207854	50.445	ug/L	99
42) Toluene	7.41	91	148820	5.054	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	131443	4.903	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	135996	4.925	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	38562	4.948	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	21885	5.024	ug/L	95
49) Tetrachloroethene	8.00	164	25930	5.134	ug/L	97
50) 2-Hexanone	8.16	43	148866	51.807	ug/L	99
51) Dibromochloromethane	8.27	129	23609	5.117	ug/L	97
52) 1,2-Dibromoethane	8.38	107	20409	4.987	ug/L	93
53) Chlorobenzene	8.90	112	90584	4.978	ug/L	98
54) Ethylbenzene	9.03	91	163779	4.990	ug/L	98
55) m,p-xylene	9.16	106	62014	5.038	ug/L	96
56) o-xylene	9.57	106	57528	4.905	ug/L	98
57) Styrene	9.58	104	103015	5.277	ug/L	98
58) Isopropylbenzene	9.95	105	160016	4.980	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	26594	4.911	ug/L	100
62) Bromoform	9.75	173	10806	5.277	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	71053	4.889	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	71958	4.873	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	64140	4.883	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	4416	4.977	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	49066	4.771	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	41652	4.612	ug/L	99
70) Naphthalene	13.53	128	74228	3.762	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	37379	4.589	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.422 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

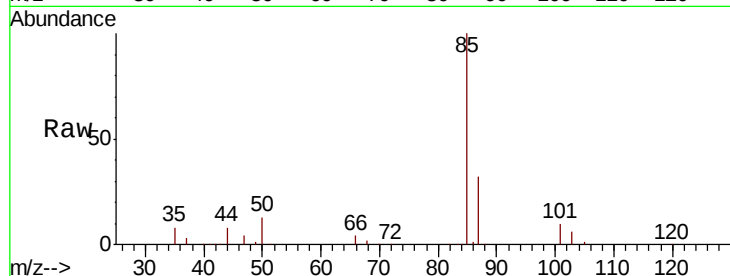
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 44799

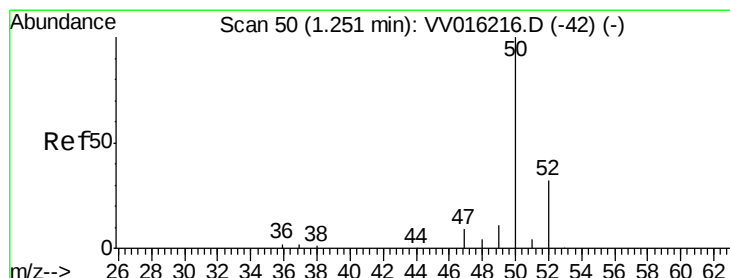
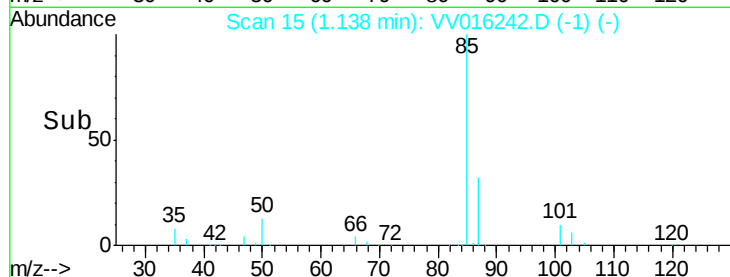
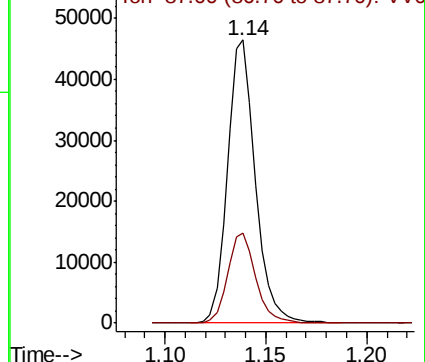
Ion Ratio Lower Upper

85 100

87 31.8 25.5 38.3



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



#3

Chloromethane

Concen: 5.205 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016242.D

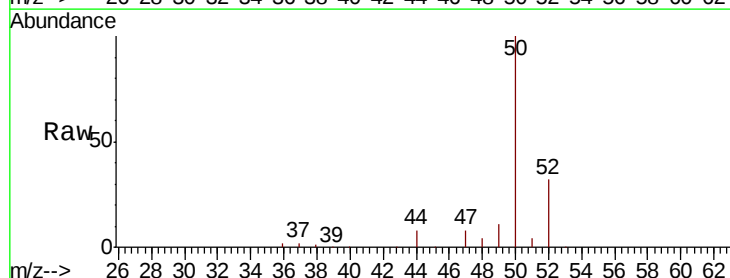
Acq: 27 May 2020 20:54

Tgt Ion: 50 Resp: 47021

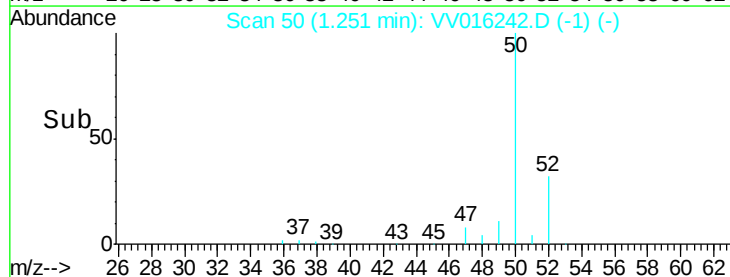
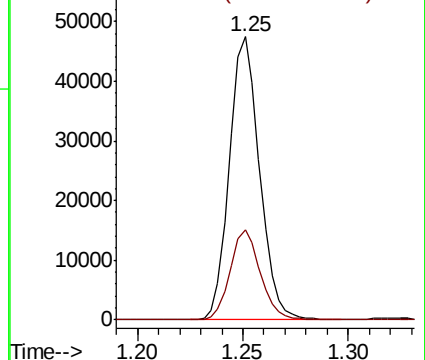
Ion Ratio Lower Upper

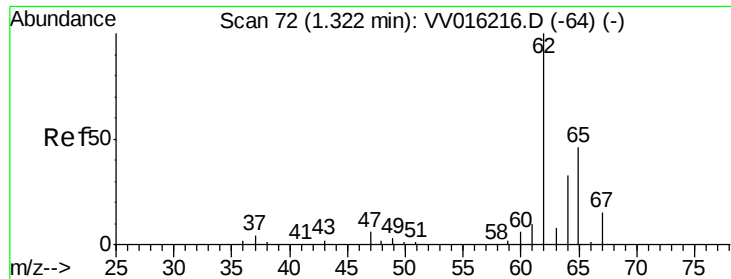
50 100

52 31.8 22.5 41.9



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





#5

Vinyl chloride

Concen: 5.207 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

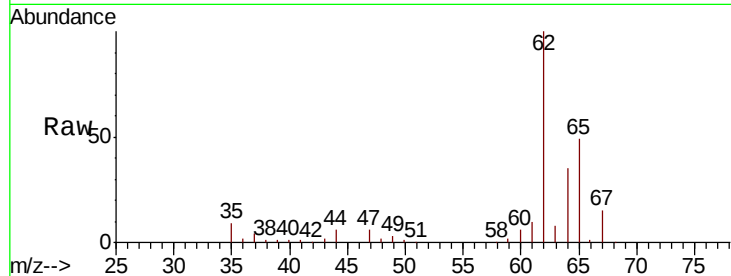
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 42804

Ion Ratio Lower Upper

62 100

64 34.6 22.1 41.1

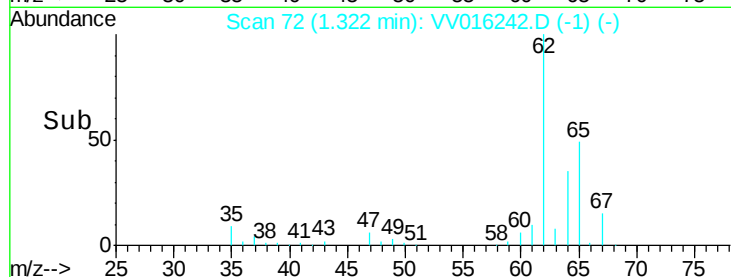


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

Time-->



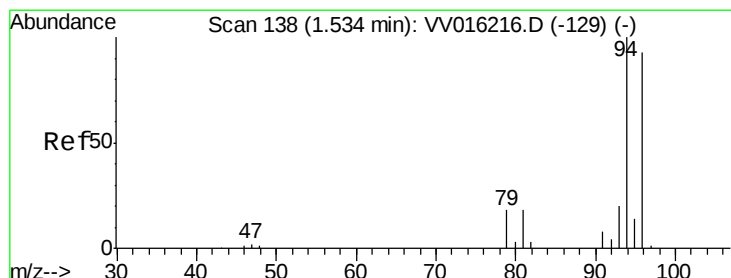
Abundance

Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

Time-->



#6

Bromomethane

Concen: 5.136 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016242.D

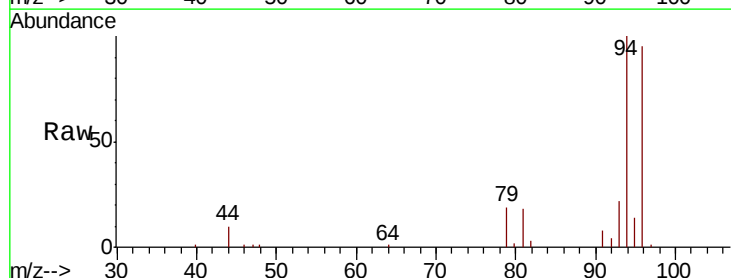
Acq: 27 May 2020 20:54

Tgt Ion: 94 Resp: 23751

Ion Ratio Lower Upper

94 100

96 94.5 67.7 125.7

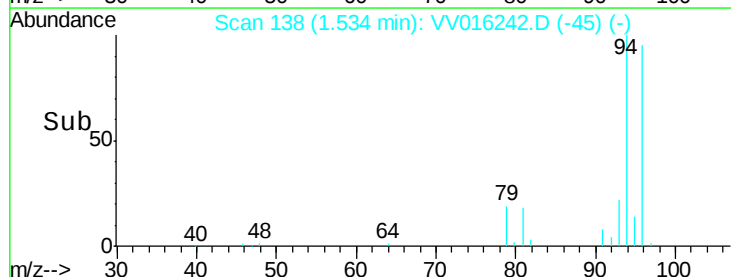


Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

Time-->



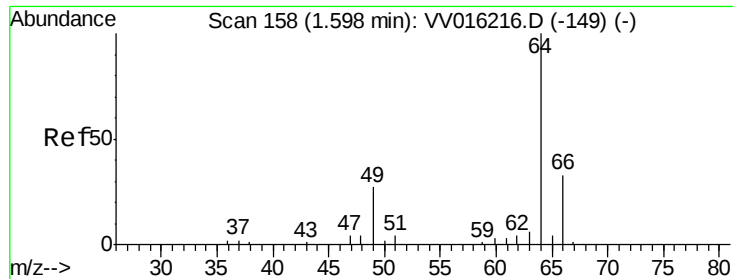
Abundance

Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

Time-->



#8

Chloroethane

Concen: 5.917 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

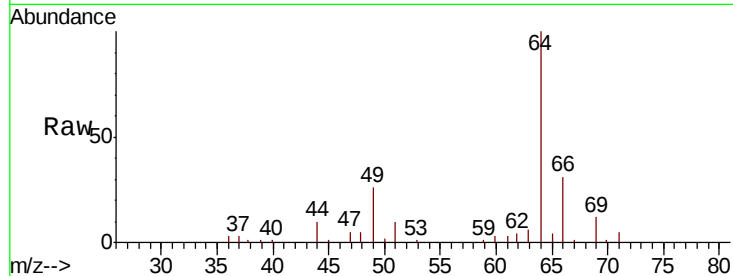
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 27178

Ion Ratio Lower Upper

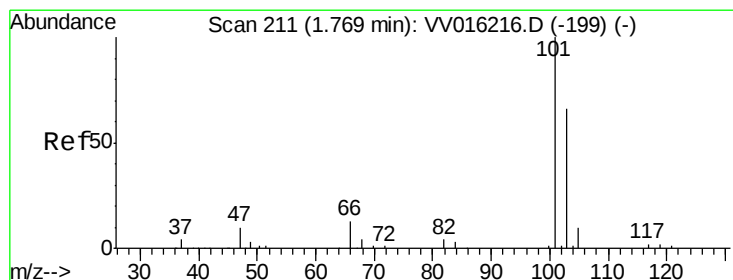
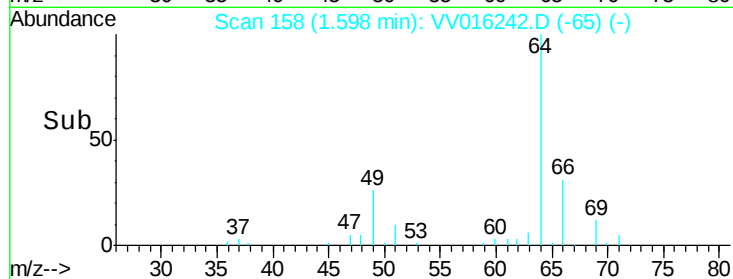
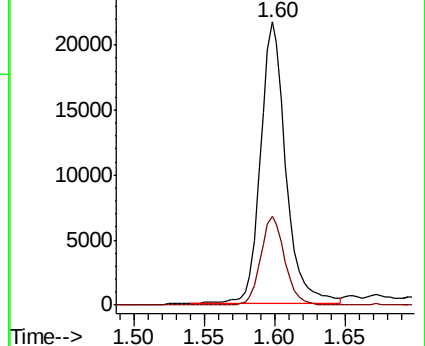
64 100

66 31.3 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV016242.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV016242.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 5.237 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV016242.D

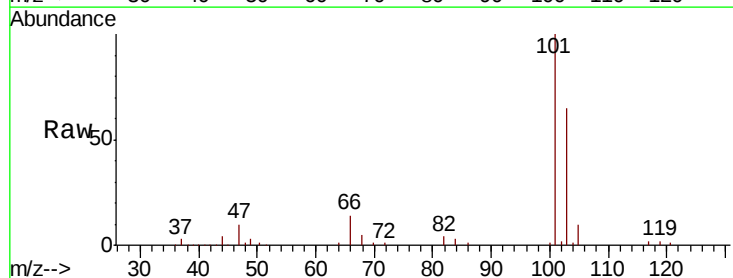
Acq: 27 May 2020 20:54

Tgt Ion:101 Resp: 55663

Ion Ratio Lower Upper

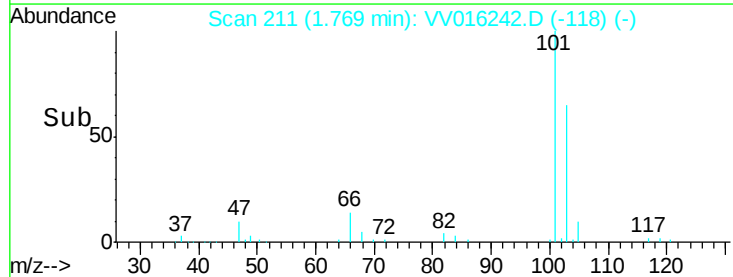
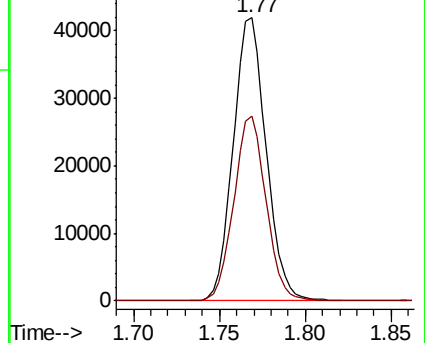
101 100

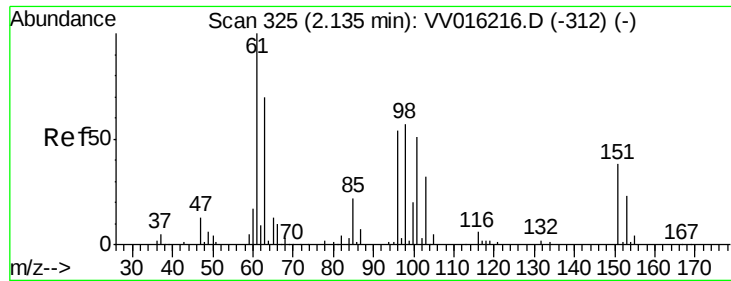
103 64.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV016242.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV016242.D (-118) (-)





#10

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

Concen: 5.347 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :

MSVOA_V

ClientSampleId :

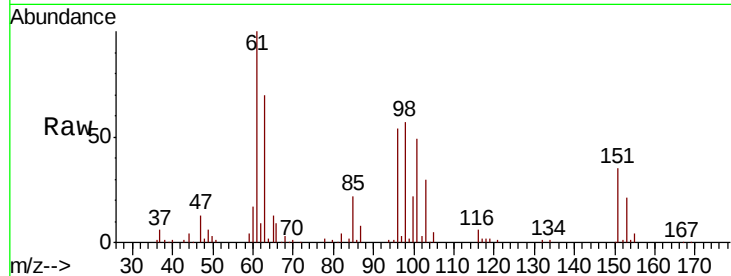
Tot Ion:101 Resp: 30972

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.6

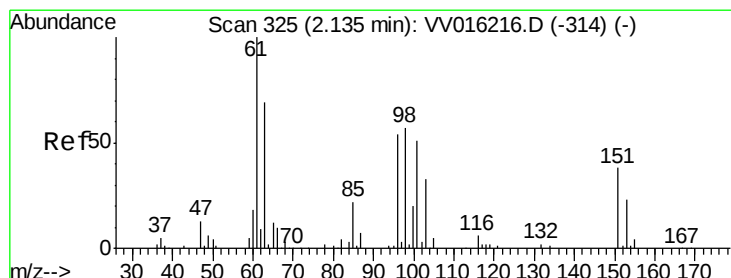
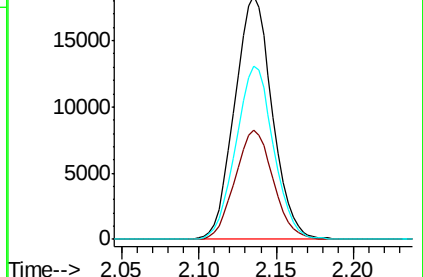
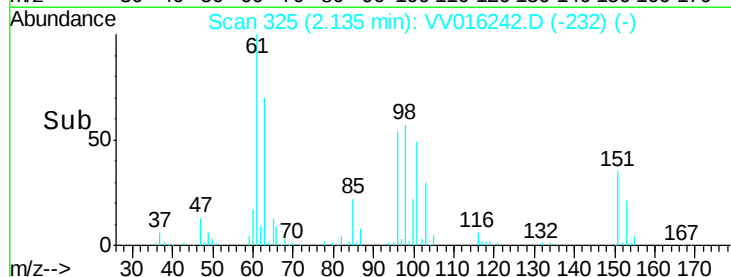
151 71.4 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV016242.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016242.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016242.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 5.345 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

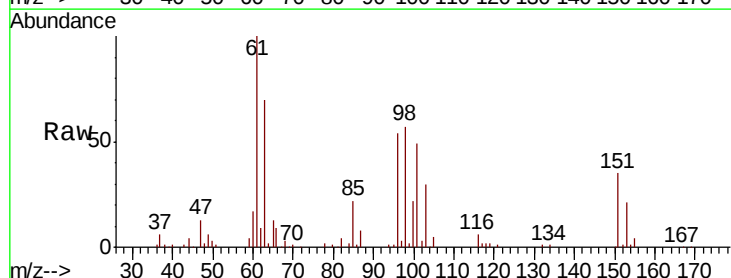
Tgt Ion: 96 Resp: 29595

Ion Ratio Lower Upper

96 100

61 185.7 124.9 231.9

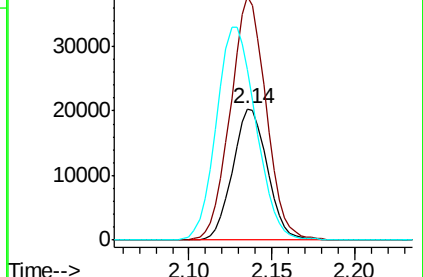
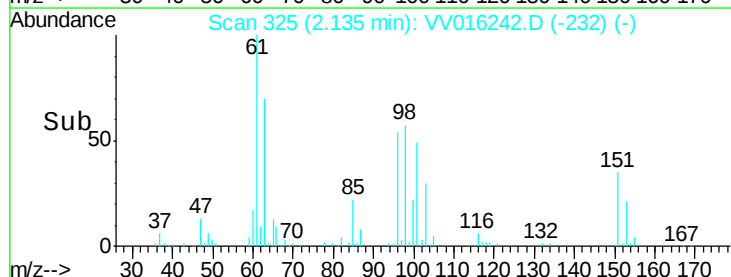
63 130.0 80.4 149.2

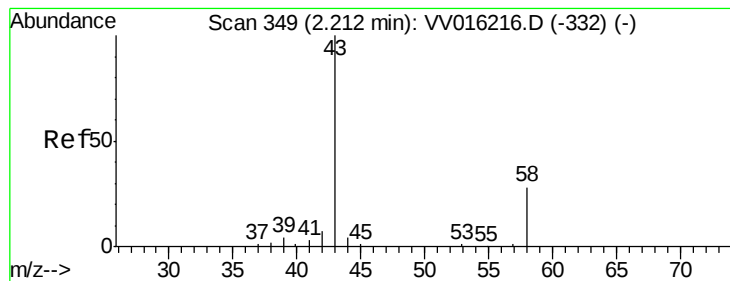


Abundance Ion 96.00 (95.70 to 96.70): VV016242.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016242.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016242.D (-232) (-)





#13

Acetone

Concen: 53.159 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

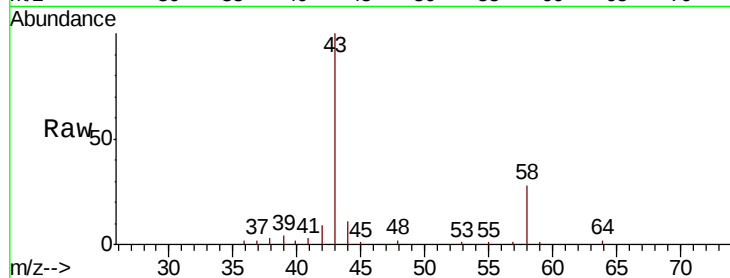
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 49206

Ion Ratio Lower Upper

43 100

58 29.0 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

15000

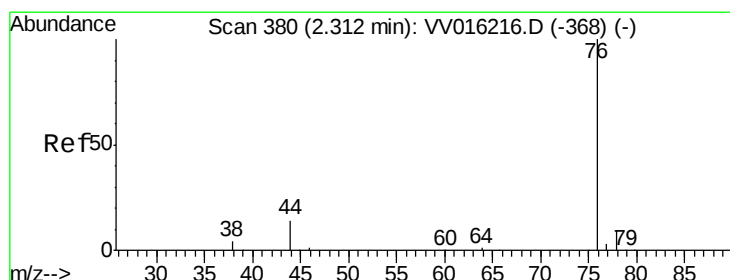
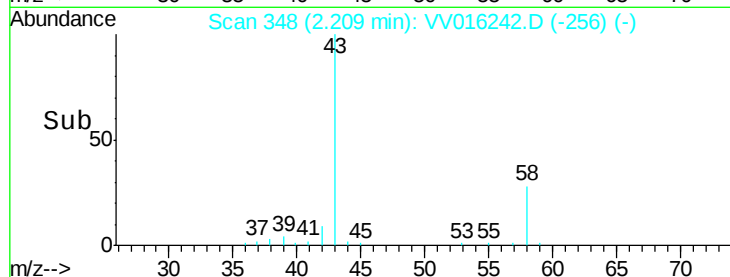
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.111 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016242.D

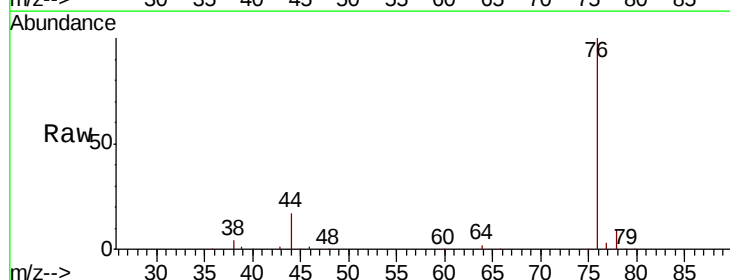
Acq: 27 May 2020 20:54

Tgt Ion: 76 Resp: 87713

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

60000

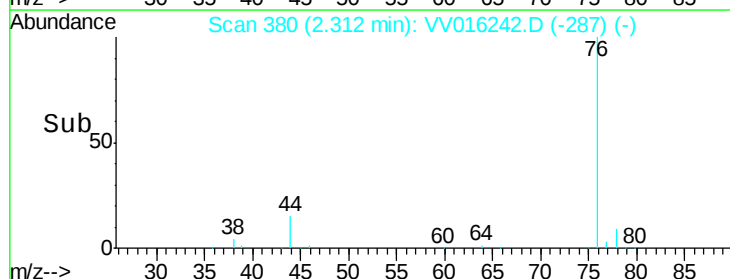
40000

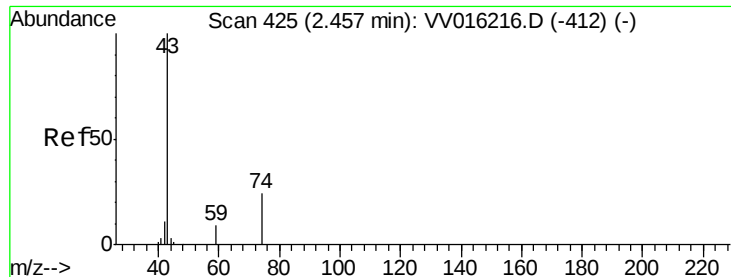
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0

Time-->

2.25 2.30 2.35 2.40

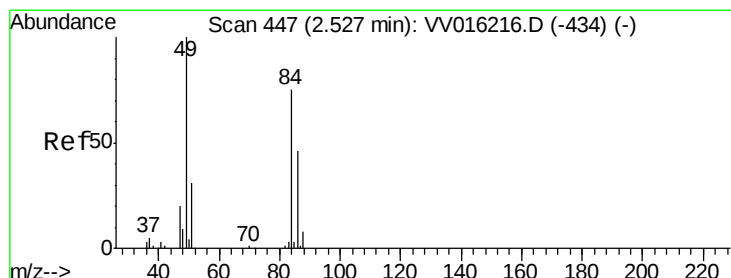
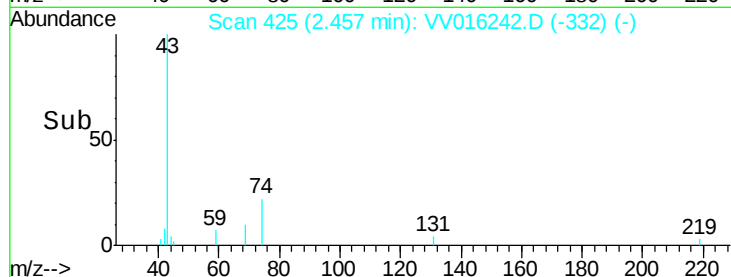
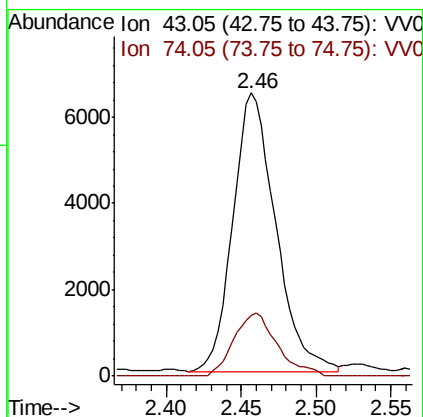
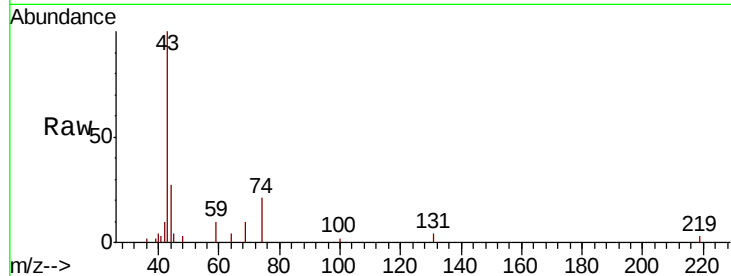




#15
Methvl Acetate
Concen: 5.415 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

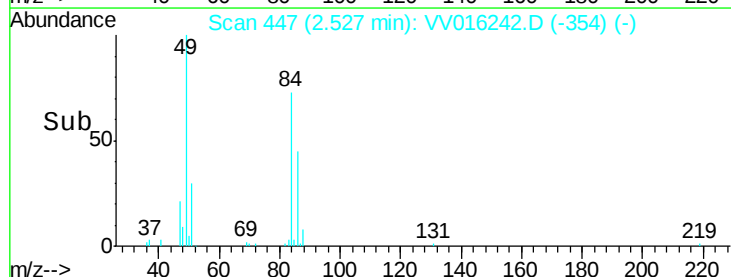
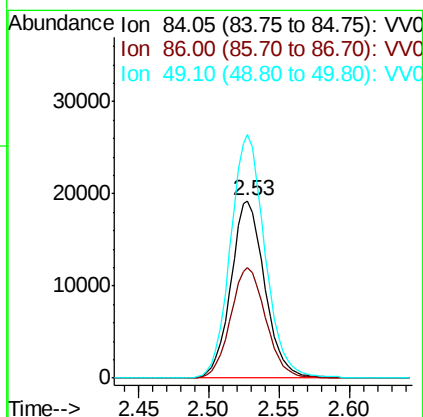
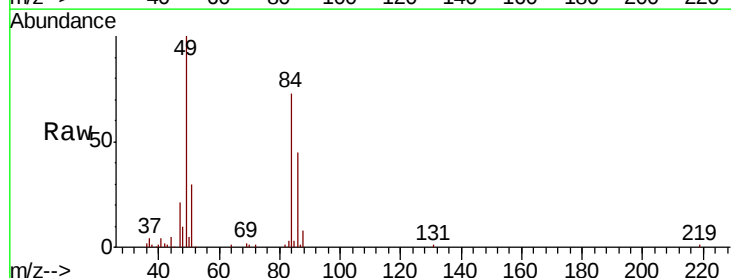
Instrument :
MSVOA_V
ClientSampled :

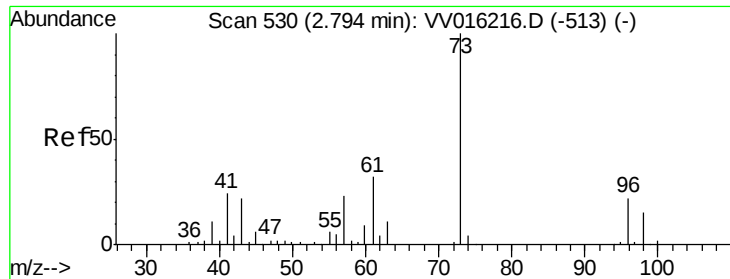
Tot Ion: 43 Resp: 12809
Ion Ratio Lower Upper
43 100
74 22.9 18.1 27.1



#16
Methylene chloride
Concen: 5.096 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Tgt Ion: 84 Resp: 32346
Ion Ratio Lower Upper
84 100
86 62.4 44.9 83.5
49 137.4 96.7 179.7

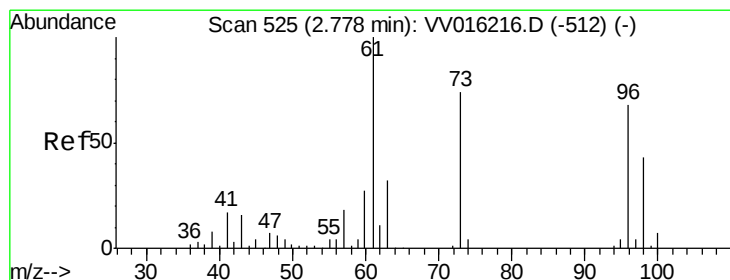
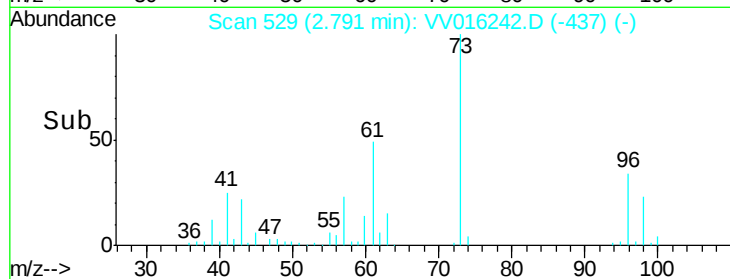
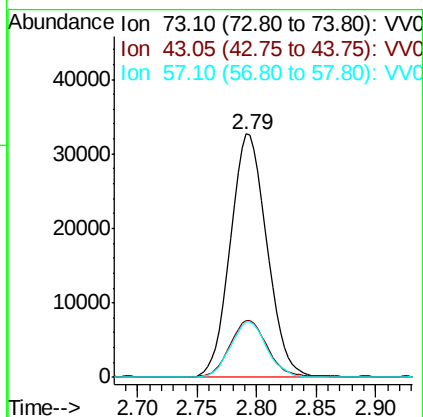
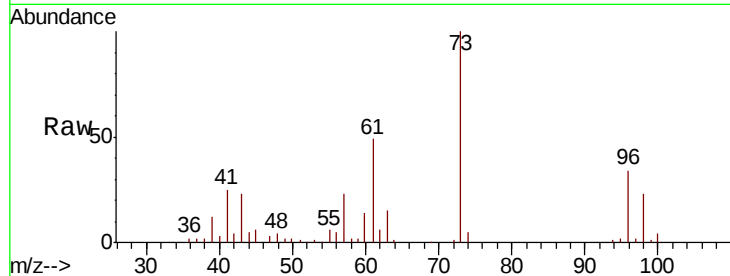




#17
Methvl tert-butvl Ether
Concen: 5.123 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

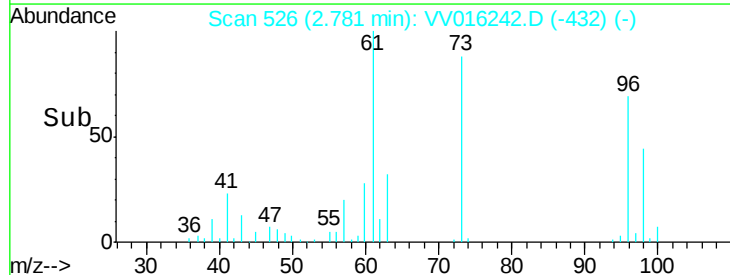
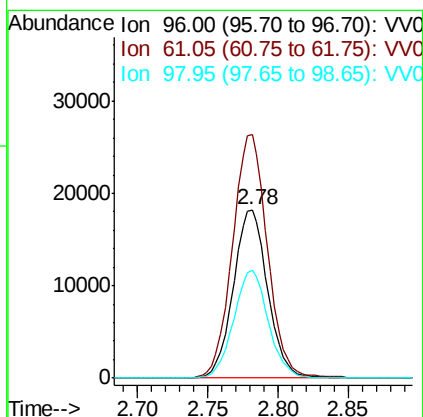
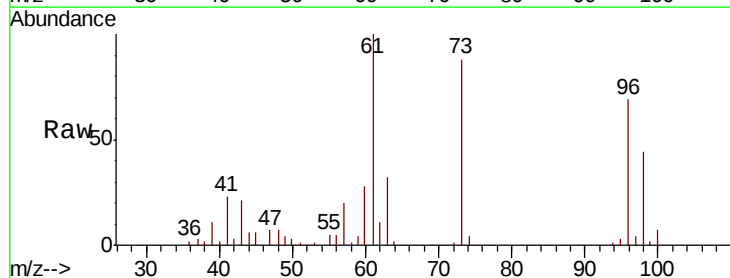
Instrument :
MSVOA_V
ClientSampled :

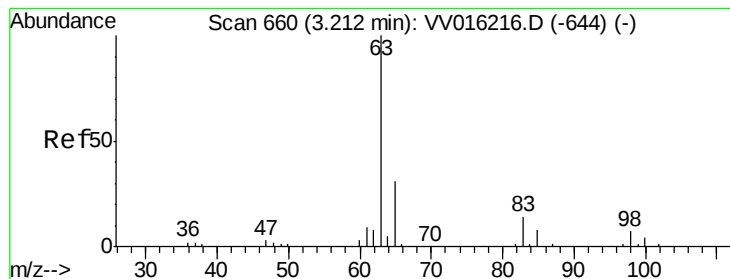
Tot Ion: 73 Resp: 69844
Ion Ratio Lower Upper
73 100
43 24.3 17.8 26.8
57 22.7 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.122 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Tgt Ion: 96 Resp: 31035
Ion Ratio Lower Upper
96 100
61 144.7 99.8 185.4
98 63.9 44.0 81.6





#19

1,1-Dichloroethane

Concen: 5.549 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :

MSVOA_V

ClientSampleId :

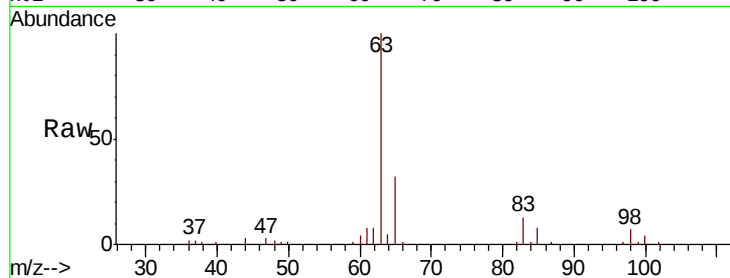
Tot Ion: 63 Resp: 63861

Ion Ratio Lower Upper

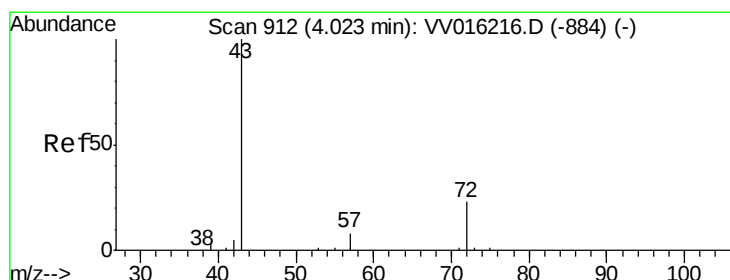
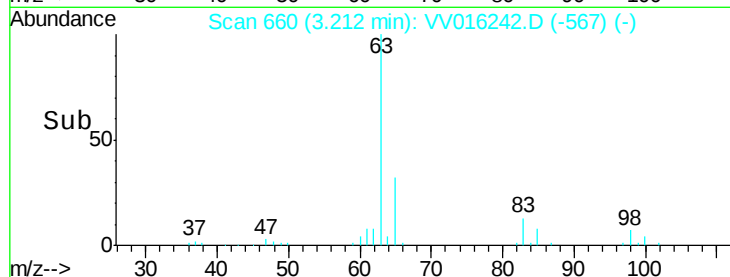
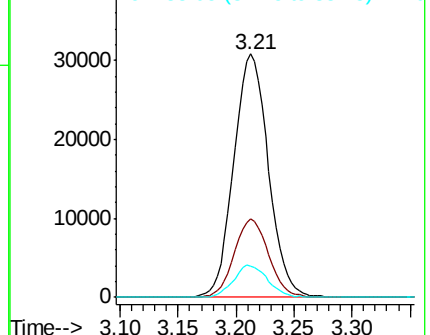
63 100

65 32.0 22.3 41.5

83 13.0 9.4 17.4



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: 51.556 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV016242.D

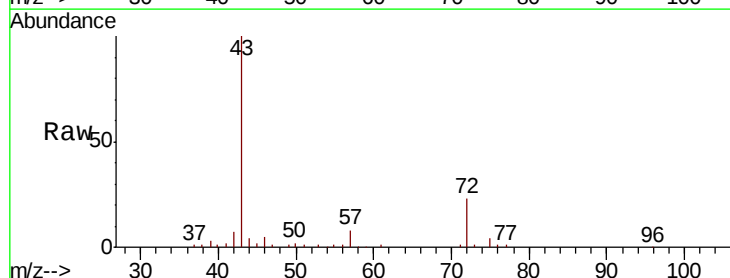
Acq: 27 May 2020 20:54

Tgt Ion: 43 Resp: 84893

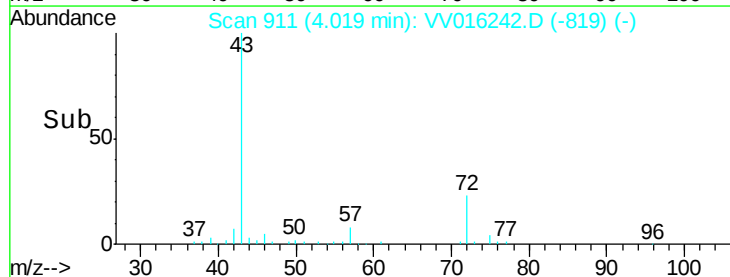
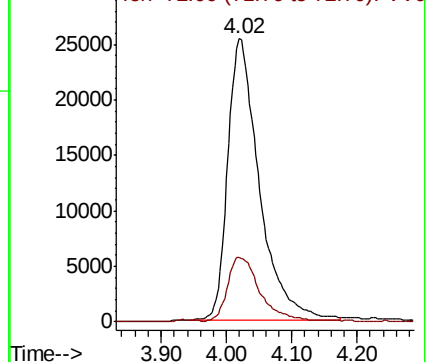
Ion Ratio Lower Upper

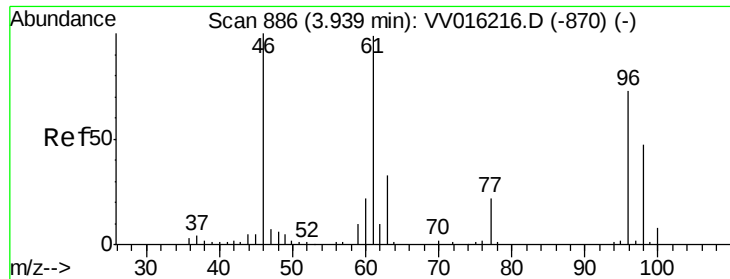
43 100

72 24.1 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



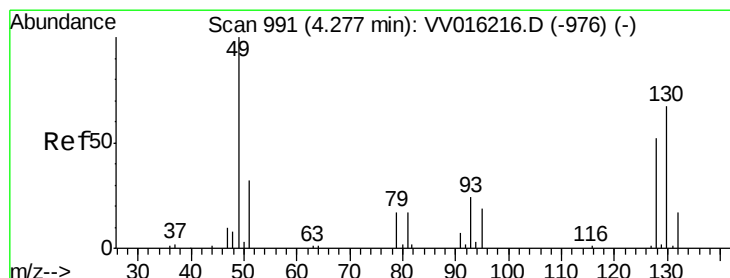
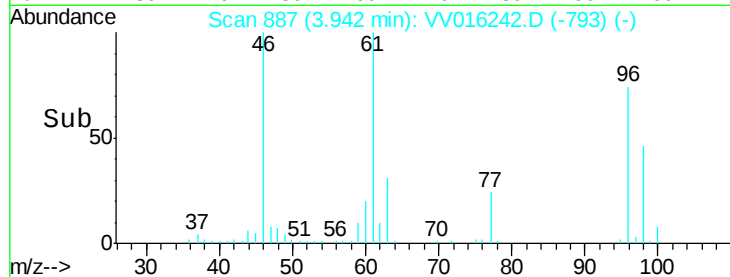
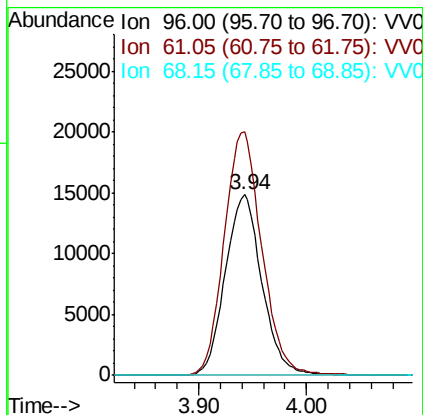
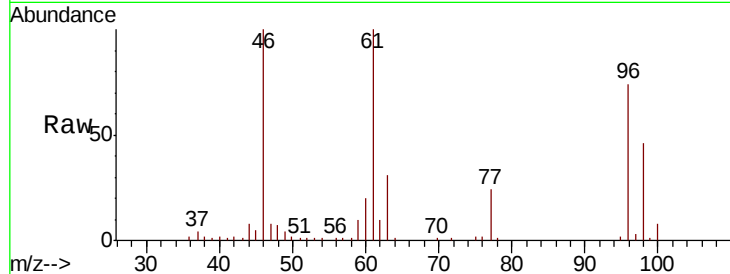


#22

cis-1,2-Dichloroethene
 Concen: 4.902 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Instrument :
 MSVOA_V
 ClientSampled :

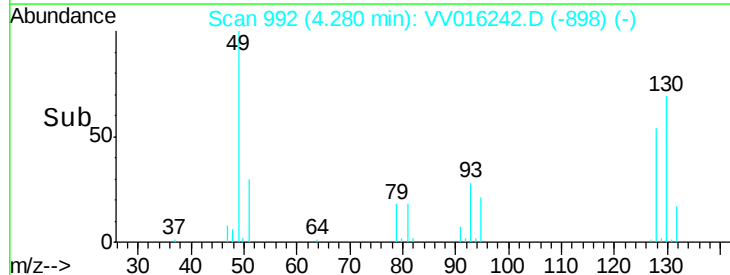
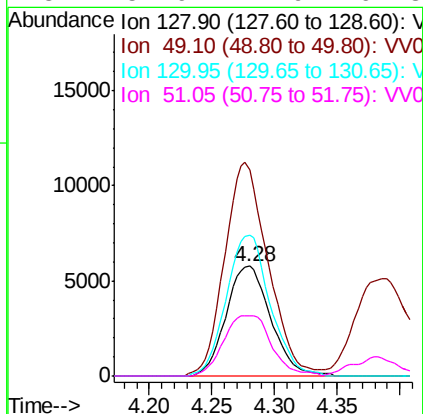
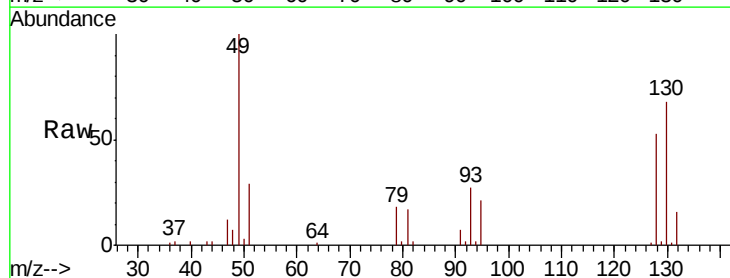
Tot Ion: 96 Resp: 35128
 Ion Ratio Lower Upper
 96 100
 61 134.7 99.7 185.1
 68 0.0 0.0 0.0

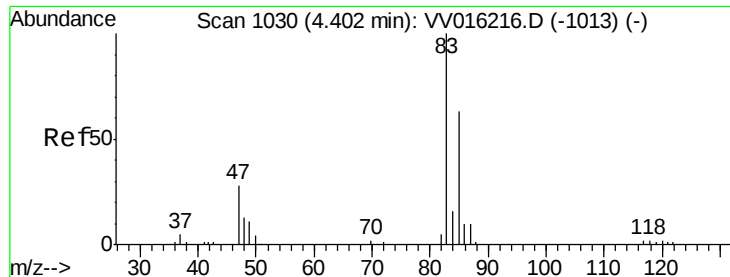


#23

Bromochloromethane
 Concen: 5.254 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Tgt Ion: 128 Resp: 14292
 Ion Ratio Lower Upper
 128 100
 49 187.5 125.5 233.1
 130 128.1 83.0 154.2
 51 54.9 42.9 64.3

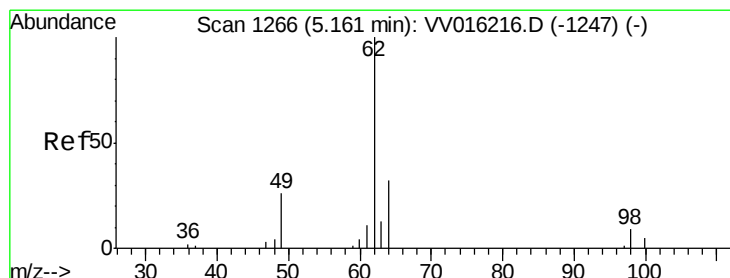
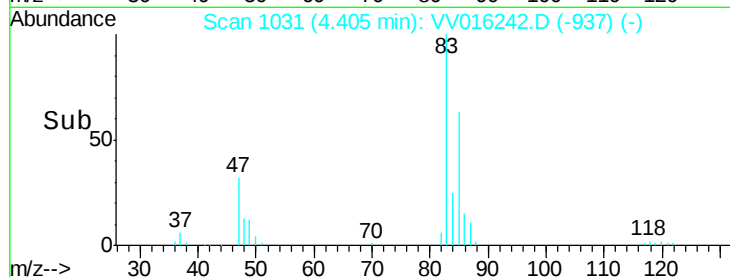
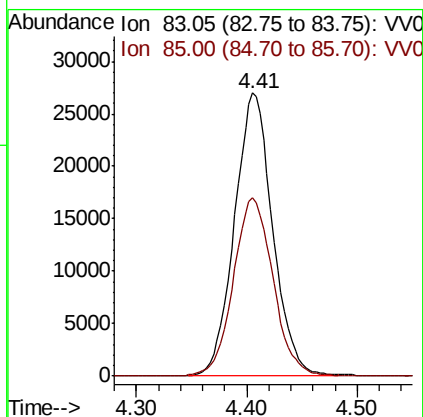
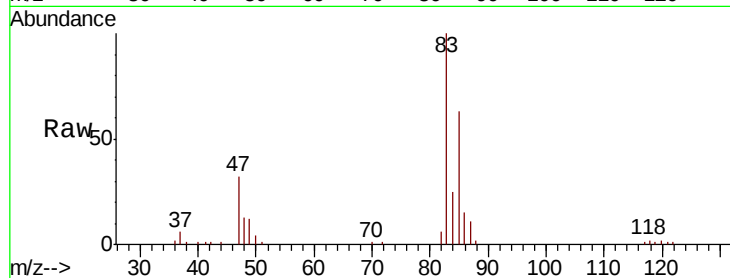




#25
Chloroform
Concen: 5.315 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

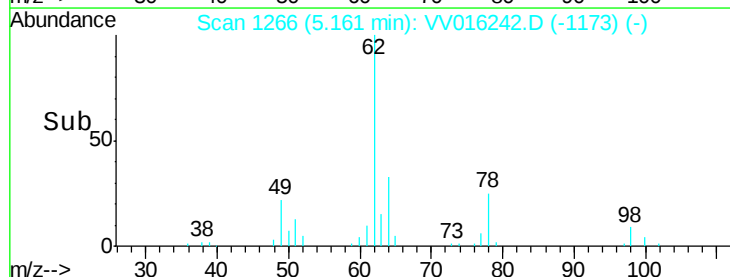
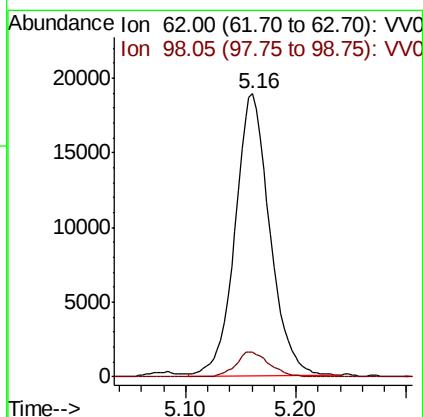
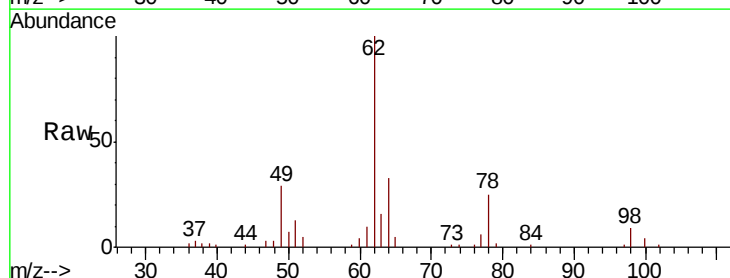
Instrument :
MSVOA_V
ClientSampleId :

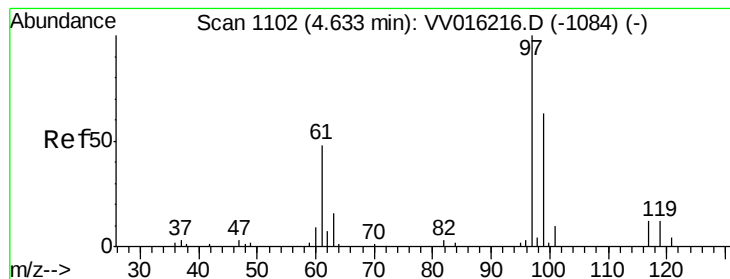
Tot Ion: 83 Resp: 64744
Ion Ratio Lower Upper
83 100
85 63.0 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.149 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Tgt Ion: 62 Resp: 41000
Ion Ratio Lower Upper
62 100
98 8.6 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 5.016 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :

MSVOA_V

ClientSampled :

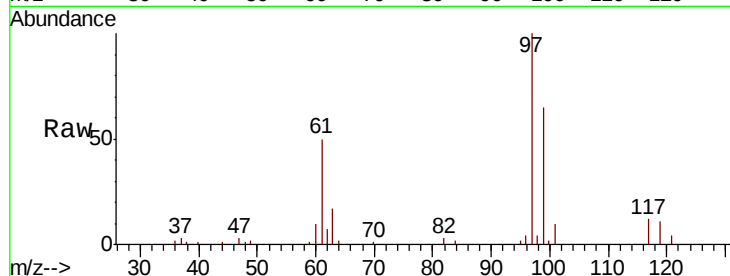
Tot Ion: 97 Resp: 55859

Ion Ratio Lower Upper

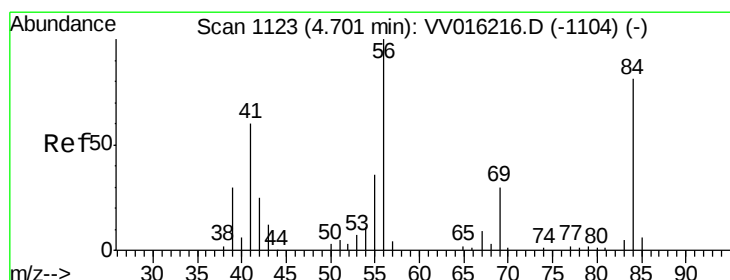
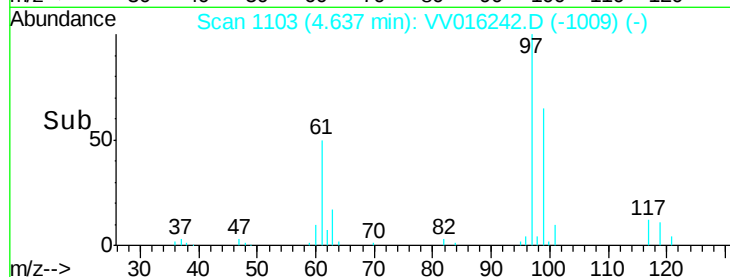
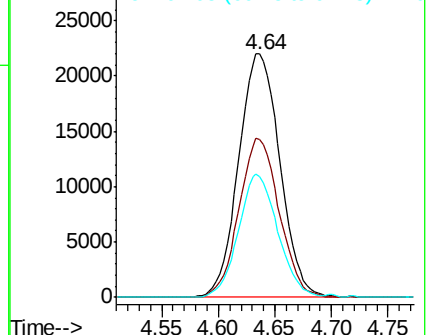
97 100

99 63.5 51.2 76.8

61 48.2 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: 4.741 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

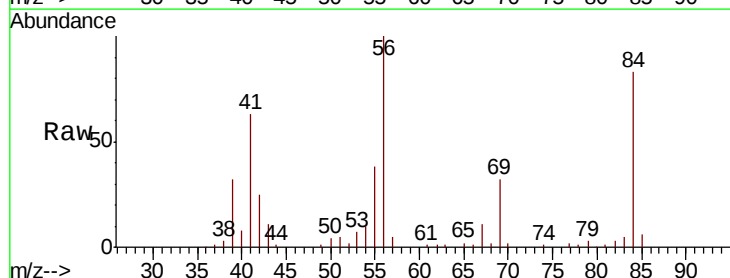
Tgt Ion: 56 Resp: 56583

Ion Ratio Lower Upper

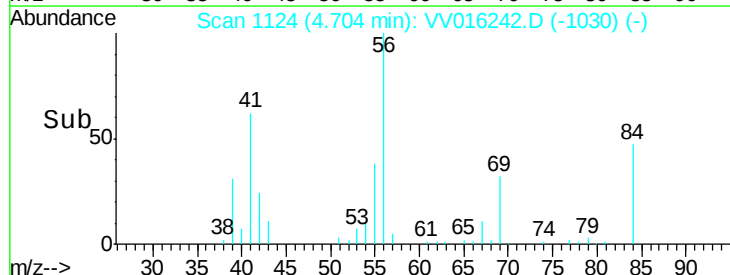
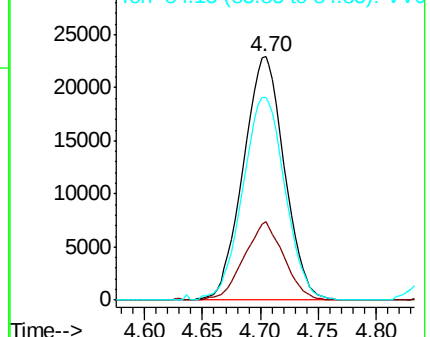
56 100

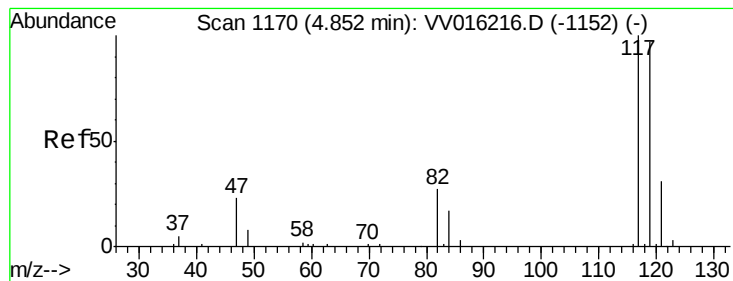
69 31.0 24.6 36.8

84 85.6 67.1 100.7



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





#31

Carbon tetrachloride

Concen: 4.951 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :

MSVOA_V

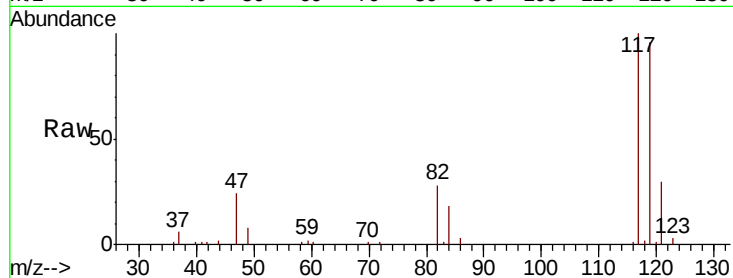
ClientSampleId :

Tot Ion:117 Resp: 46722

Ion Ratio Lower Upper

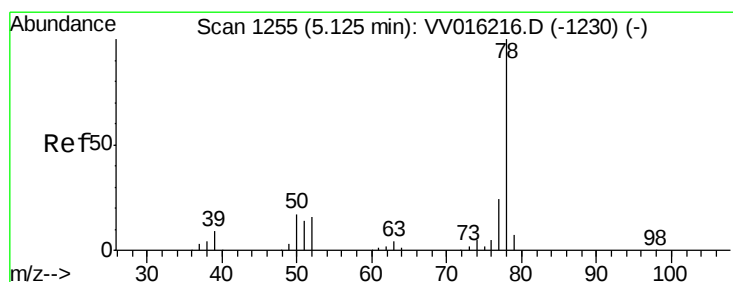
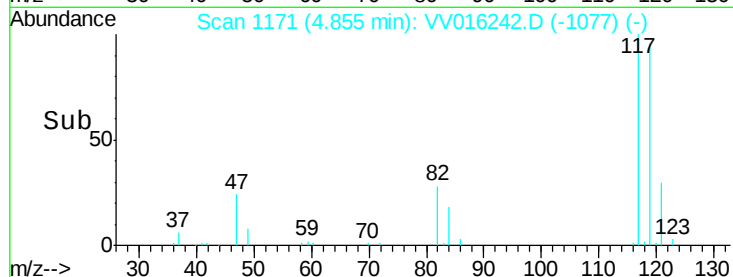
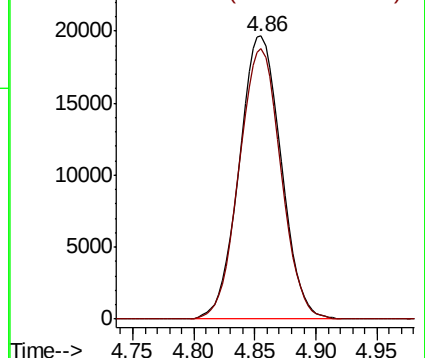
117 100

119 95.4 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.023 ug/L

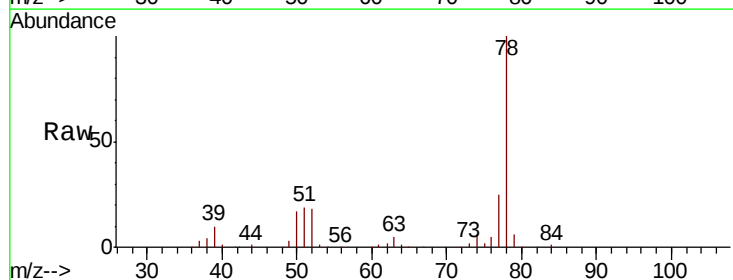
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

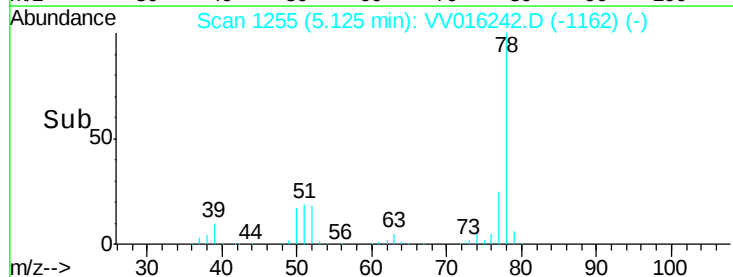
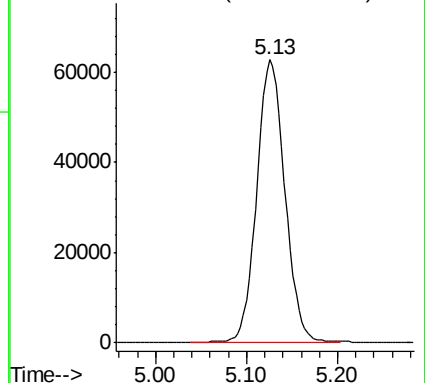
Lab File: VV016242.D

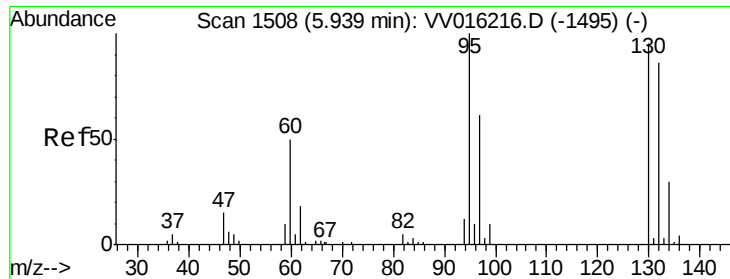
Acq: 27 May 2020 20:54

Tgt Ion: 78 Resp: 135624



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.009 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 35236

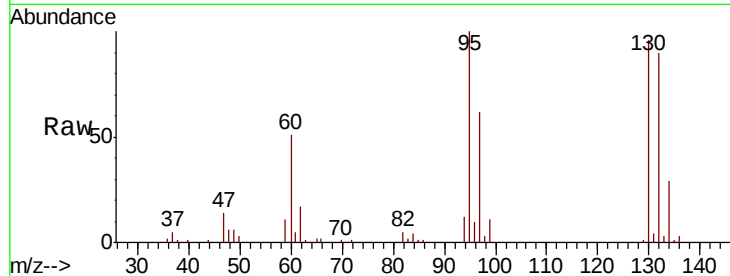
Ion Ratio Lower Upper

95 100

97 61.9 43.6 81.0

132 89.5 63.9 118.7

130 96.4 65.2 121.0

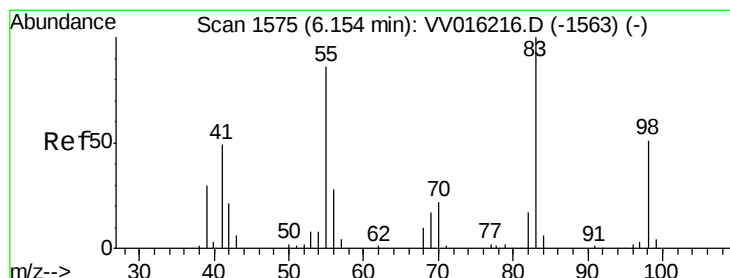
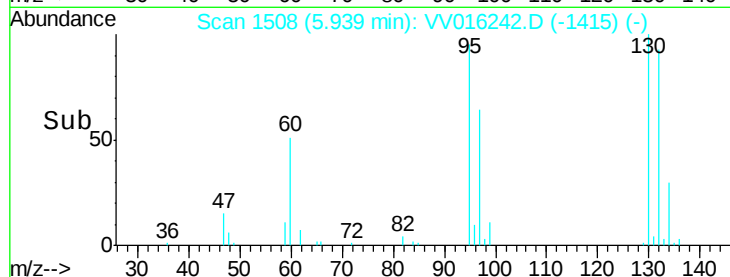
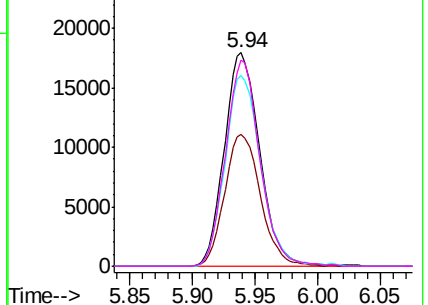


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.755 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

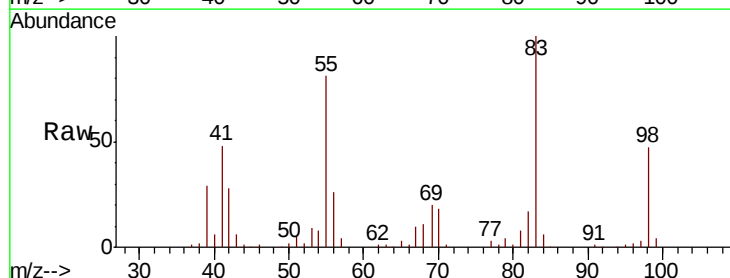
Tgt Ion: 83 Resp: 56419

Ion Ratio Lower Upper

83 100

55 83.2 65.4 98.0

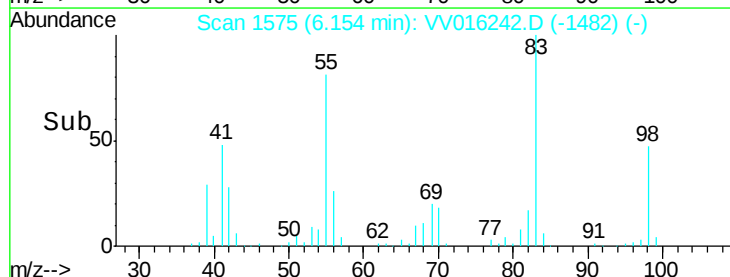
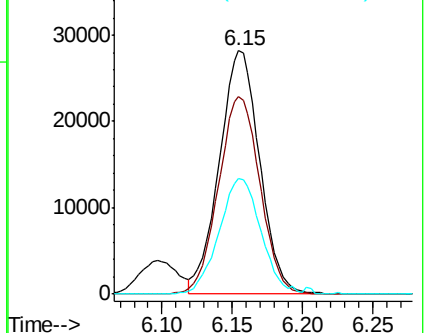
98 48.1 39.3 58.9

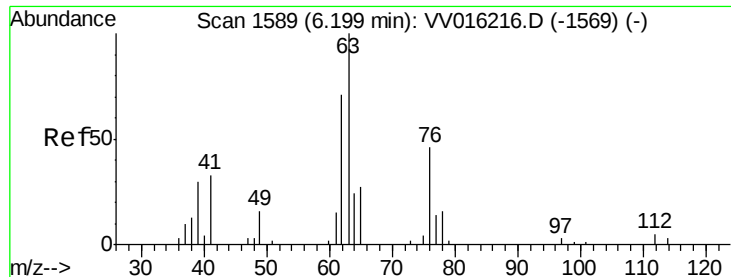


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

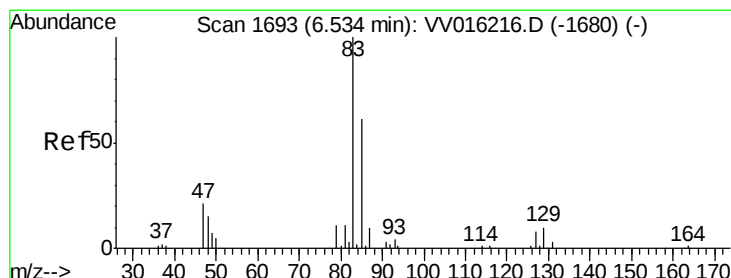
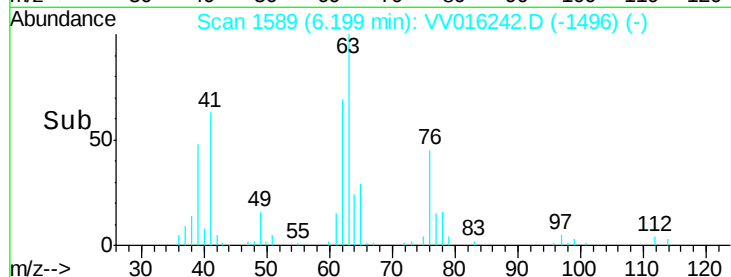
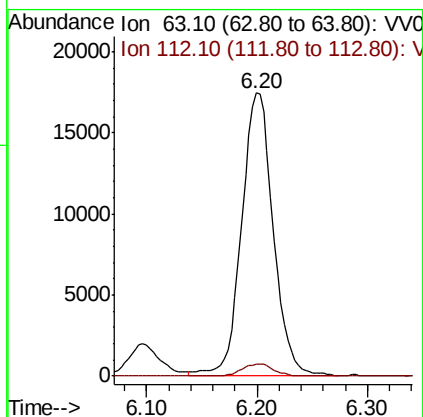
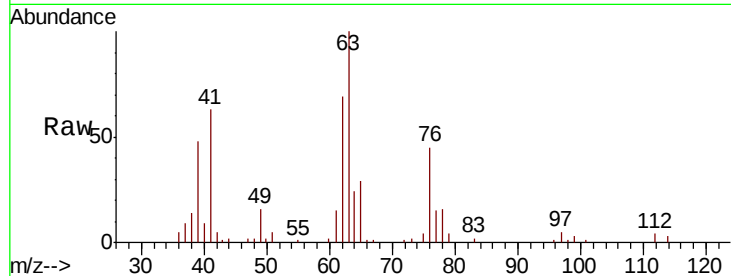




#37
 1,2-Dichloropropane
 Concen: 5.258 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

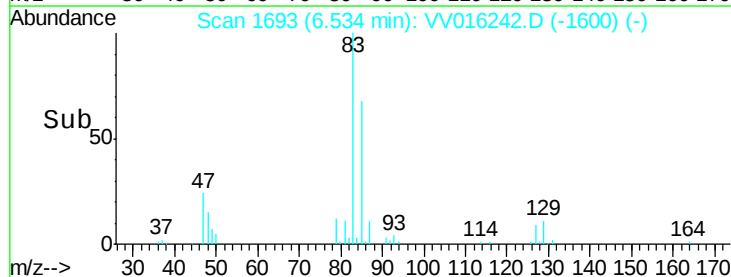
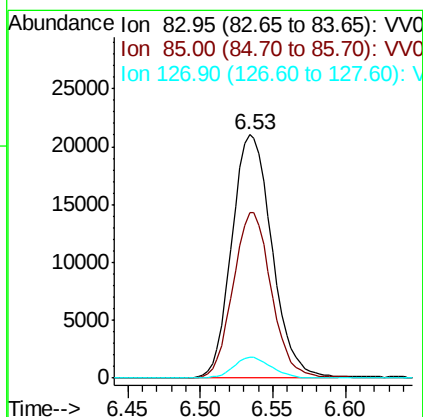
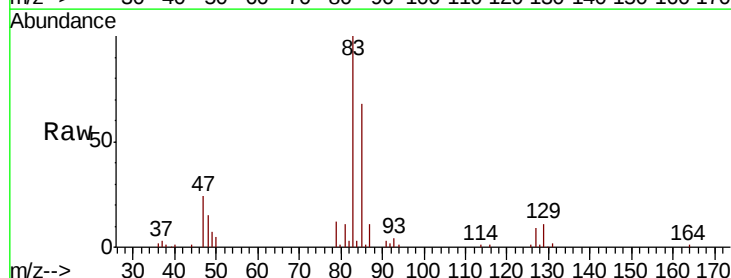
Instrument :
 MSVOA_V
 ClientSampleId :

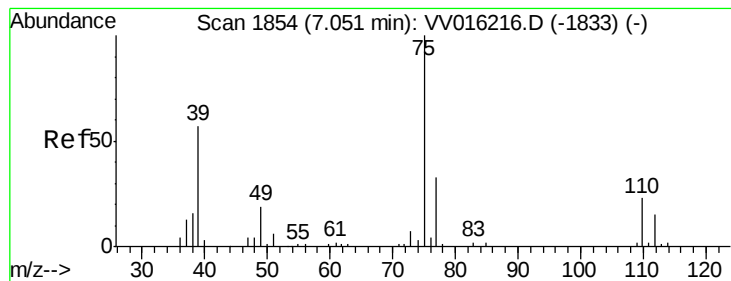
Tot Ion: 63 Resp: 34825
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.976 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Tgt Ion: 83 Resp: 40550
 Ion Ratio Lower Upper
 83 100
 85 67.8 44.2 82.2
 127 8.6 7.1 10.7



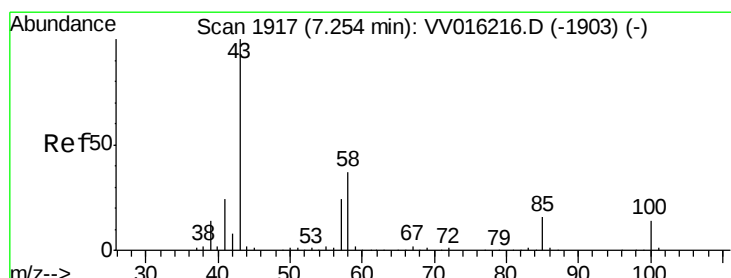
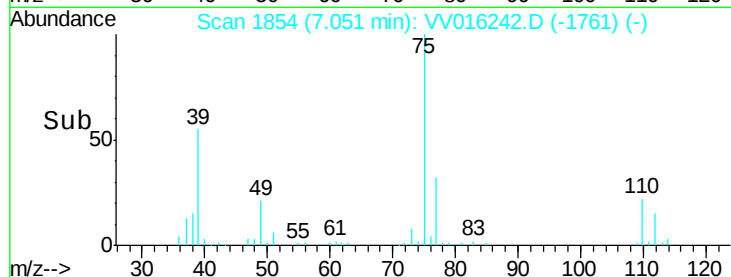
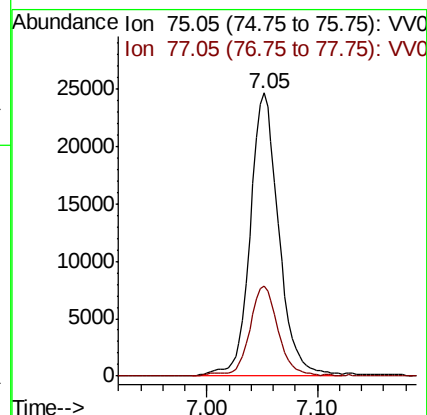
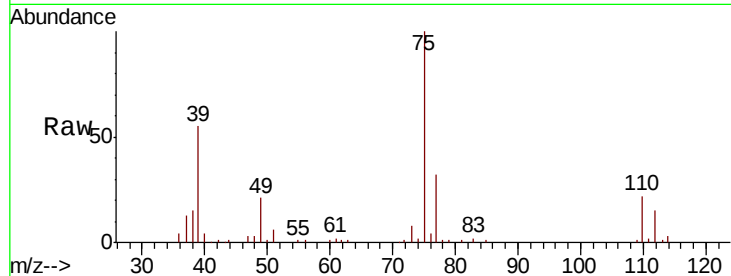


#39

cis-1,3-Dichloropropene
 Concen: 4.725 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Instrument :
 MSVOA_V
 ClientSampled :

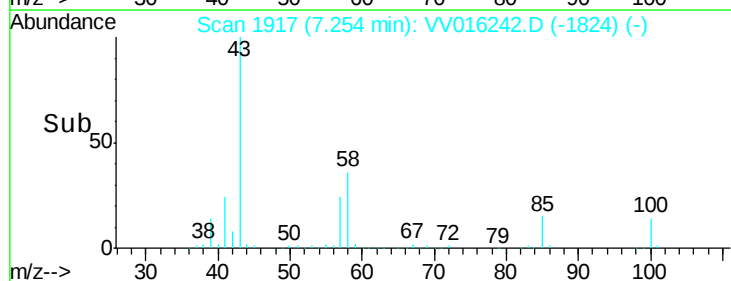
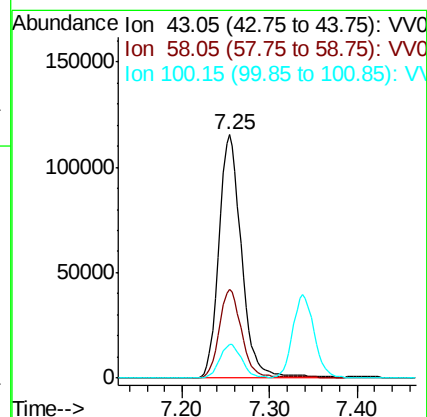
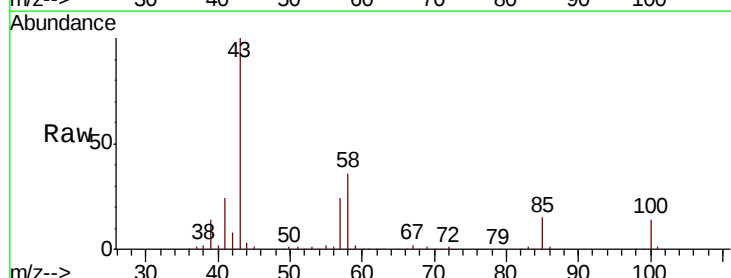
Tot Ion: 75 Resp: 44322
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3

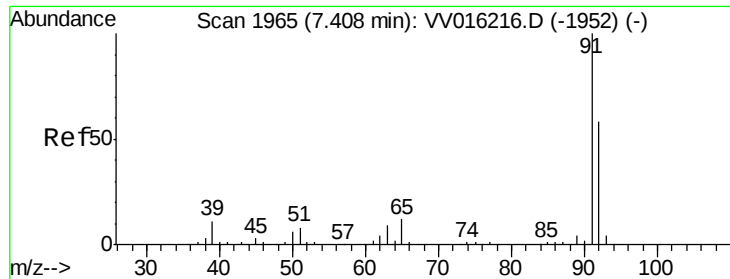


#40

4-Methyl-2-pentanone
 Concen: 50.445 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Tgt Ion: 43 Resp: 207854
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.5 44.3
 100 13.6 11.1 16.7





#42

Toluene

Concen: 5.054 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

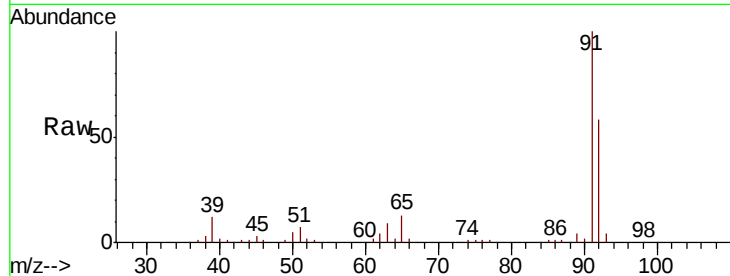
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 148820

Ion Ratio Lower Upper

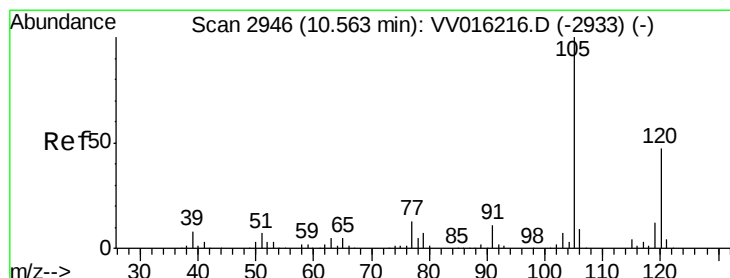
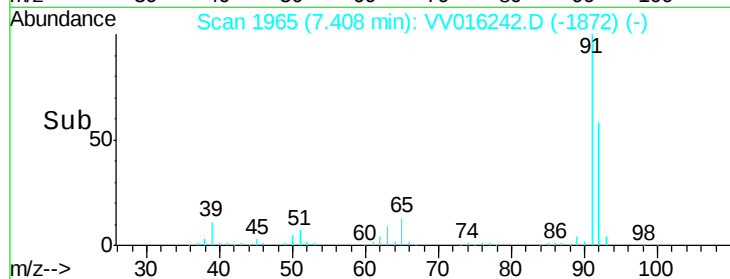
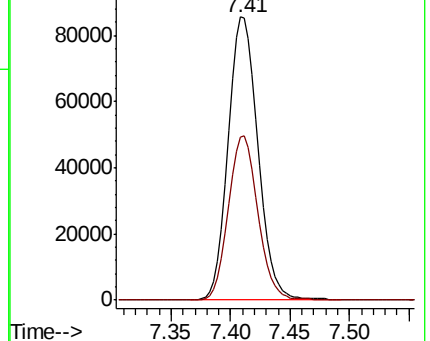
91 100

92 57.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016242.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016242.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 4.903 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016242.D

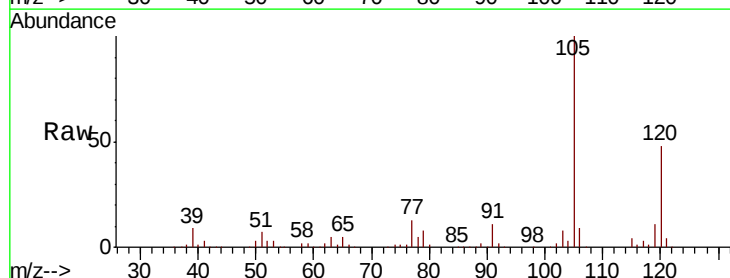
Acq: 27 May 2020 20:54

Tgt Ion:105 Resp: 131443

Ion Ratio Lower Upper

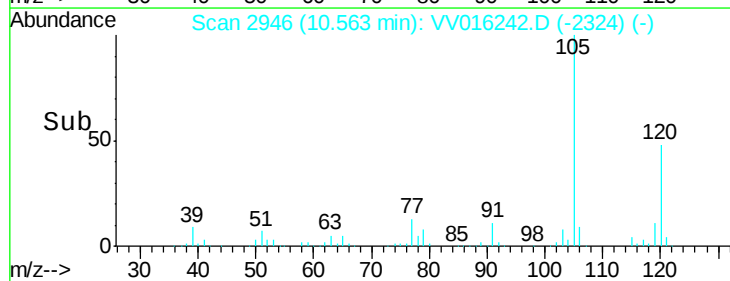
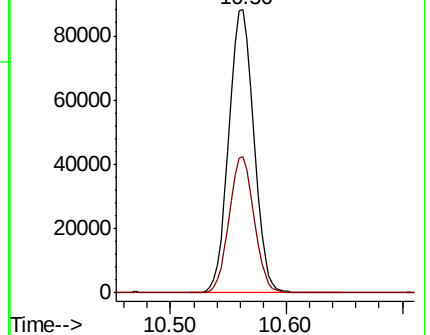
105 100

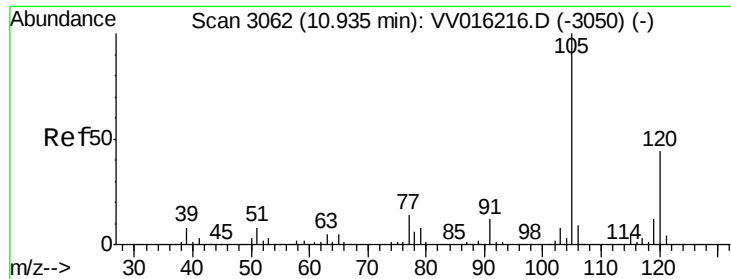
120 47.7 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016242.D (-2324) (-)

Ion 120.00 (119.70 to 120.70): VV016242.D (-2324) (-)

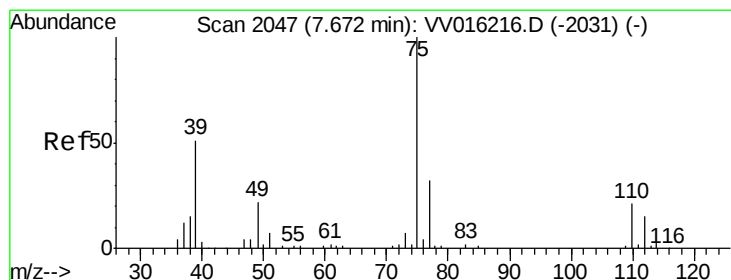
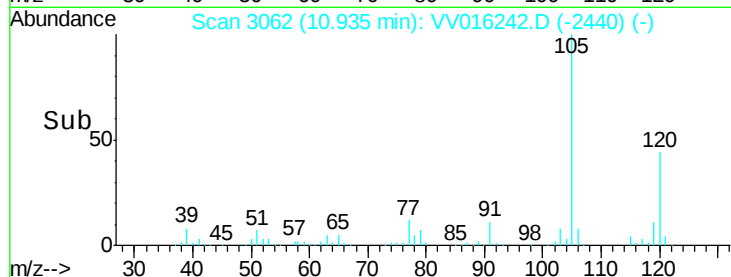
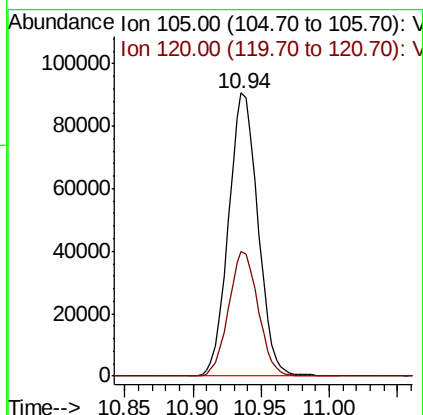
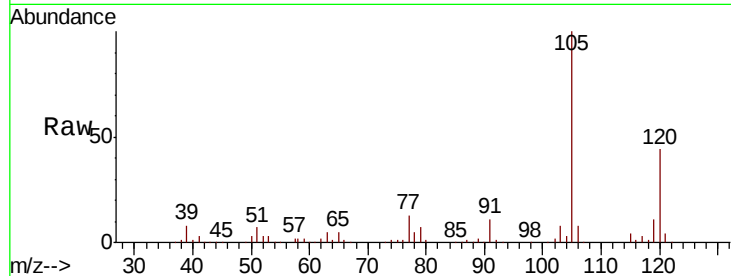




#44
 1,2,4-Trimethylbenzene
 Concen: 4.925 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

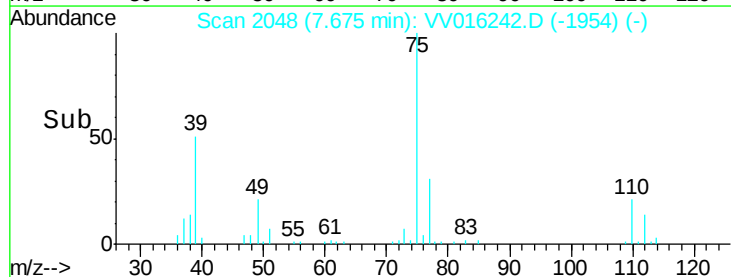
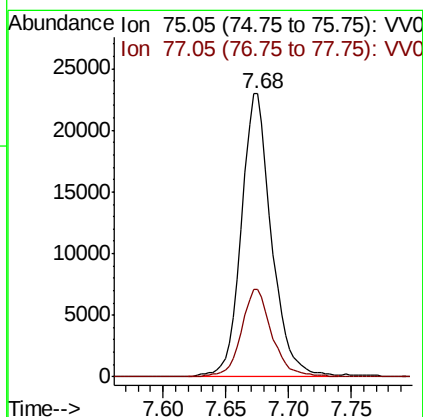
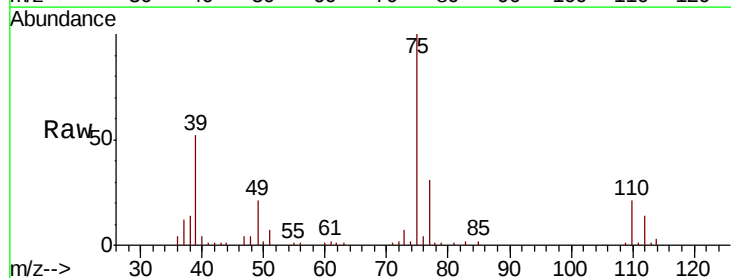
Instrument :
 MSVOA_V
 ClientSampleId :

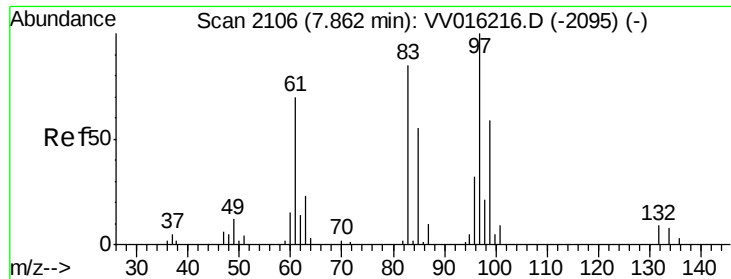
Tot Ion:105 Resp: 135996
 Ion Ratio Lower Upper
 105 100
 120 44.4 34.6 52.0



#46
 trans-1,3-Dichloropropene
 Concen: 4.948 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Tgt Ion: 75 Resp: 38562
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.7 40.3

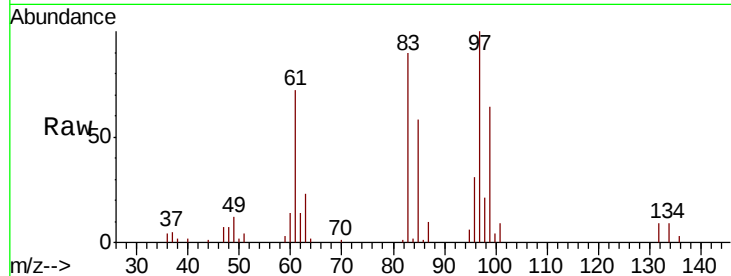




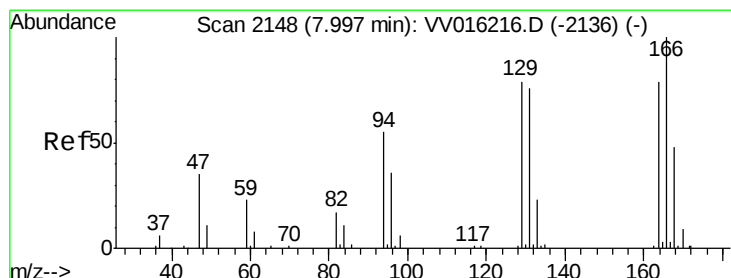
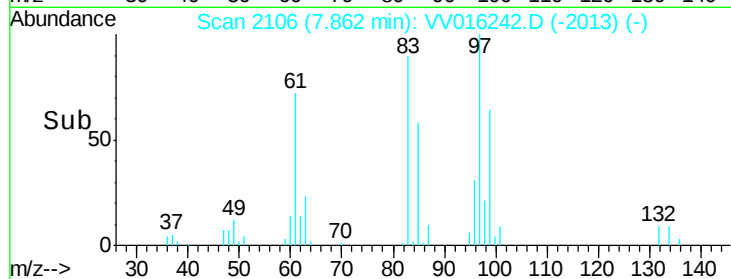
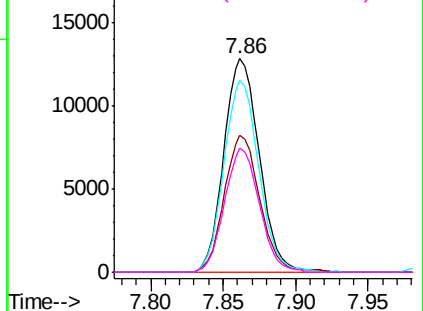
#47
1,1,2-Trichloroethane
Concen: 5.024 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	21885
Ion	Ratio	Lower	Upper
97	100		
99	63.9	40.8	75.8
83	89.8	60.0	111.4
85	58.0	39.3	73.1

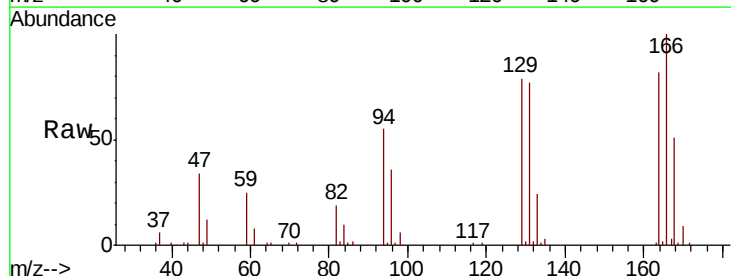


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

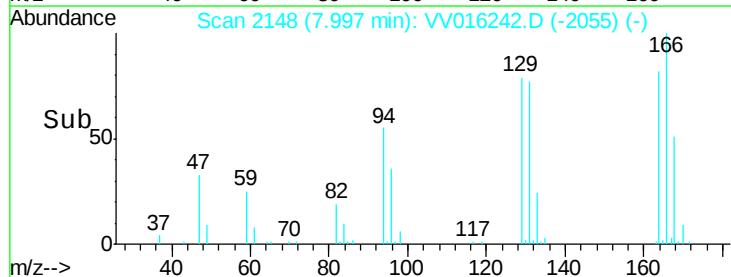
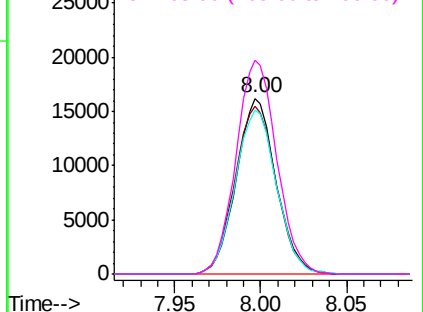


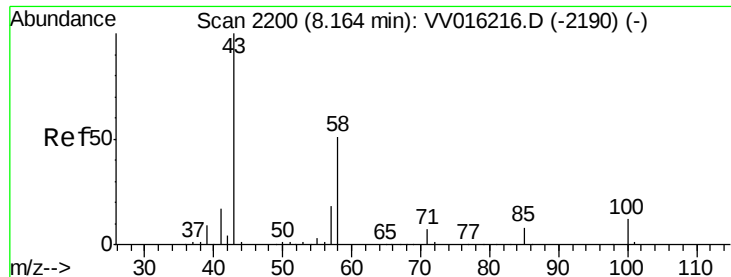
#49
Tetrachloroethene
Concen: 5.134 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Tgt Ion:	164	Resp:	25930
Ion	Ratio	Lower	Upper
164	100		
129	95.8	70.7	131.3
131	93.6	66.6	123.8
166	121.6	86.9	161.5



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

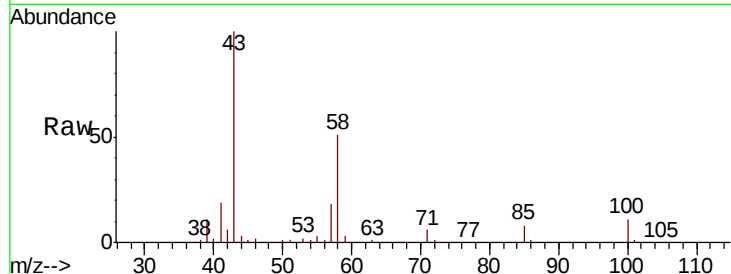




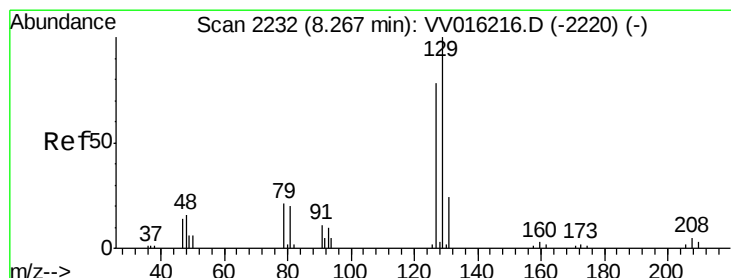
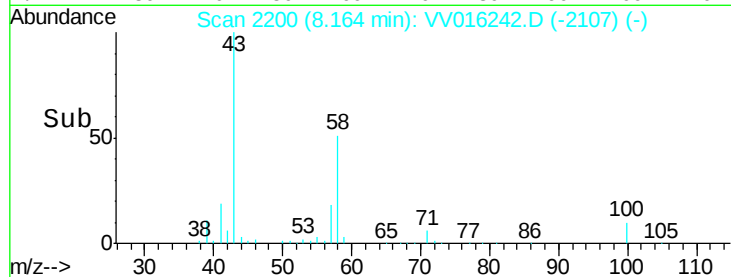
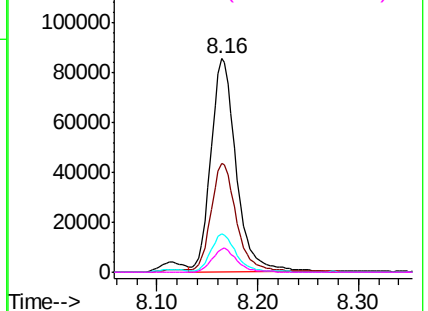
#50
2-Hexanone
Concen: 51.807 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 148866
Ion Ratio Lower Upper
43 100
58 50.8 41.4 62.0
57 17.6 15.0 22.4
100 11.2 9.0 13.4

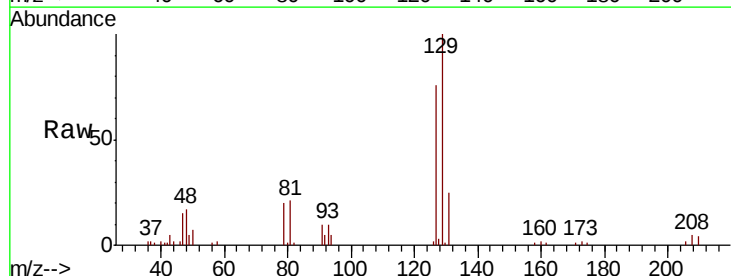


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

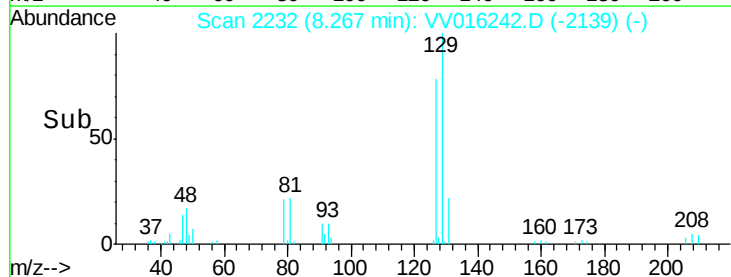
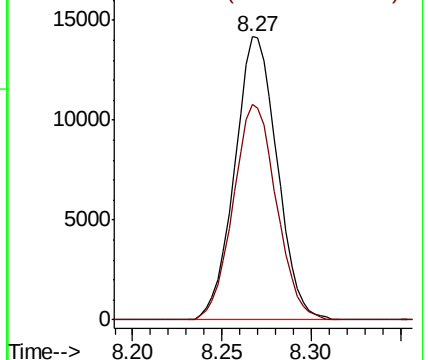


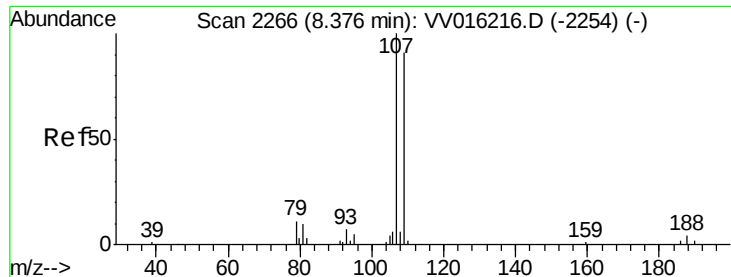
#51
Dibromochloromethane
Concen: 5.117 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Tgt Ion: 129 Resp: 23609
Ion Ratio Lower Upper
129 100
127 76.1 55.2 102.4



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





#52

1,2-Dibromoethane

Concen: 4.987 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :

MSVOA_V

ClientSampleId :

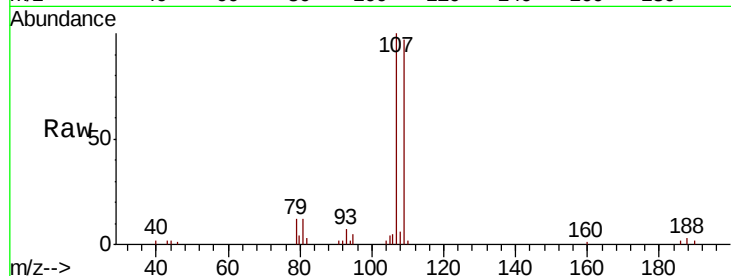
Tot Ion:107 Resp: 20409

Ion Ratio Lower Upper

107 100

109 97.4 63.1 117.3

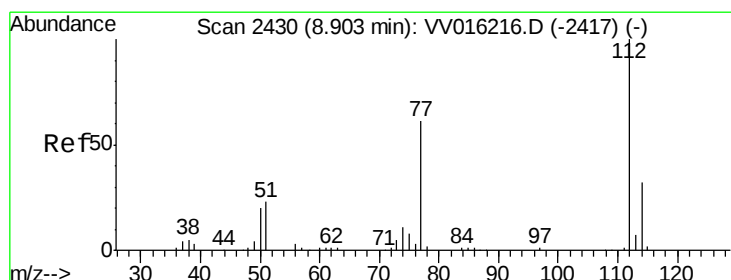
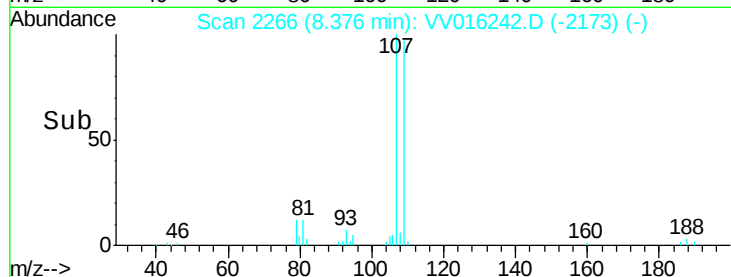
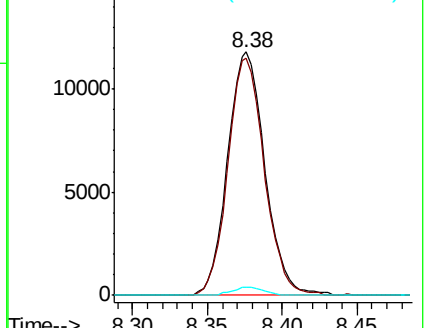
188 3.3 2.6 4.0



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



#53

Chlorobenzene

Concen: 4.978 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

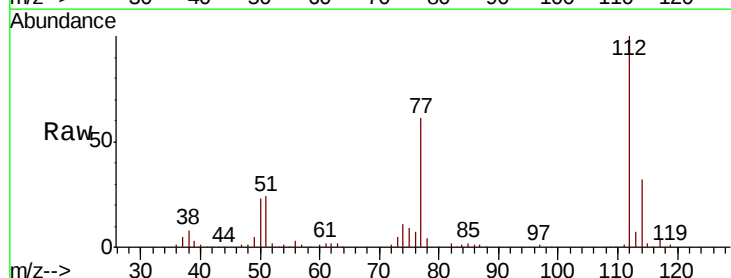
Tgt Ion:112 Resp: 90584

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

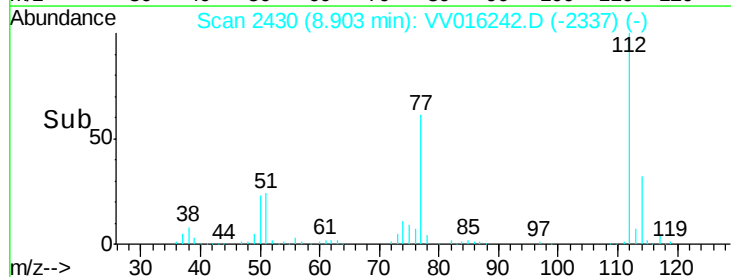
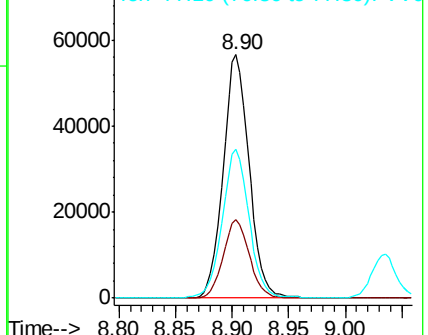
77 61.1 50.7 76.1

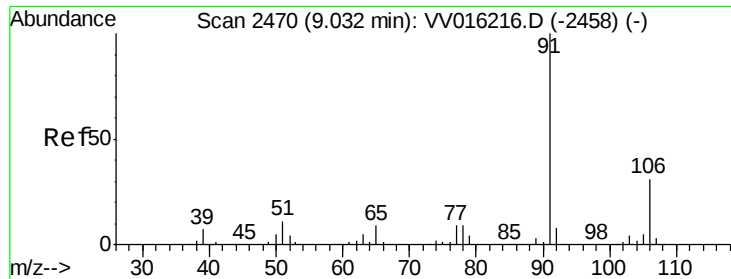


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 4.990 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

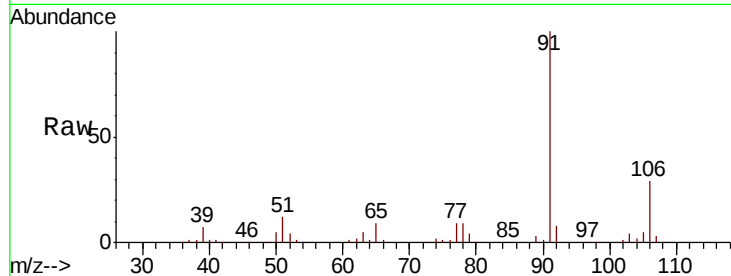
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 163779

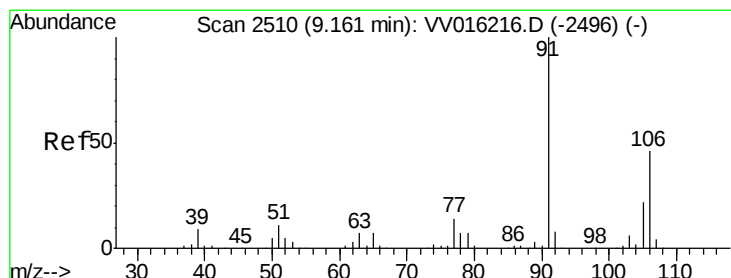
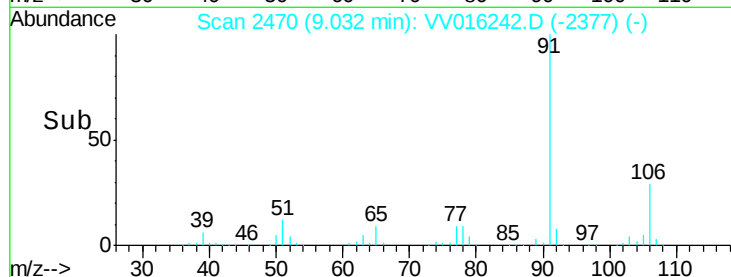
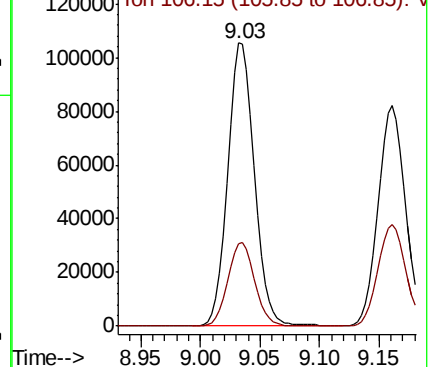
Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016242.D (-2377) (-)



#55

m,p-xylene

Concen: 5.038 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016242.D

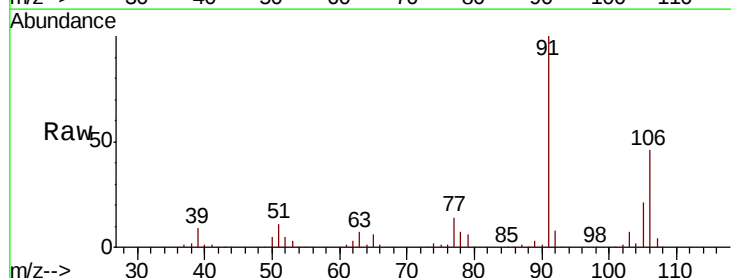
Acq: 27 May 2020 20:54

Tgt Ion: 106 Resp: 62014

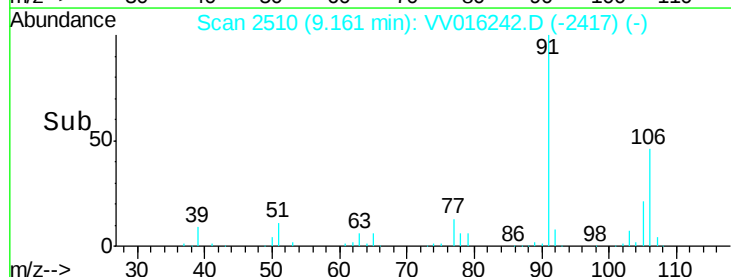
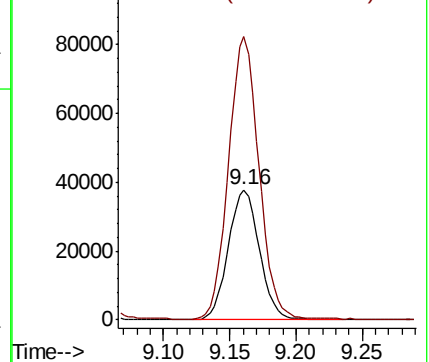
Ion Ratio Lower Upper

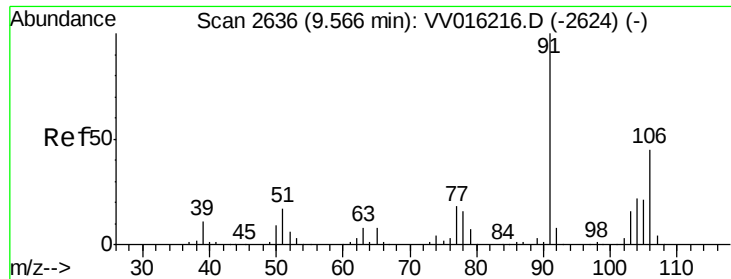
106 100

91 217.5 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016242.D (-2417) (-)

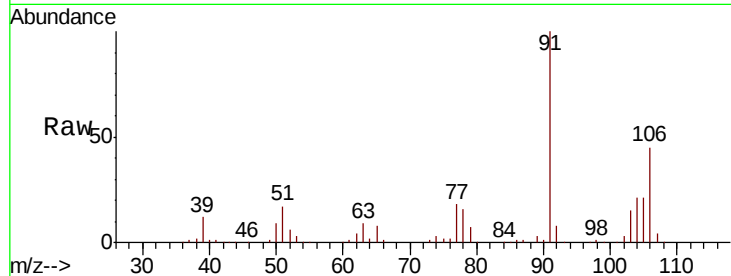




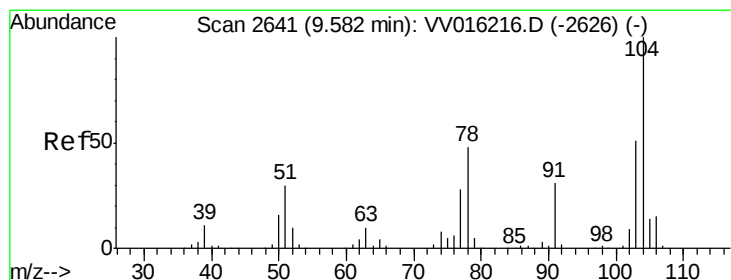
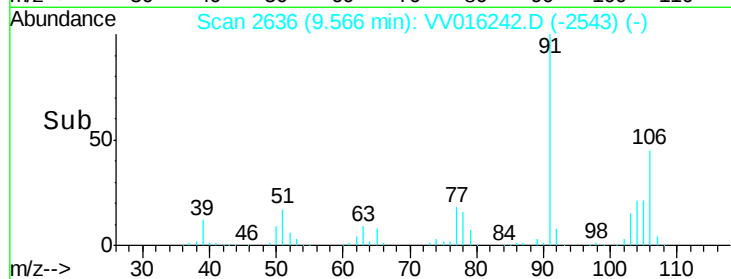
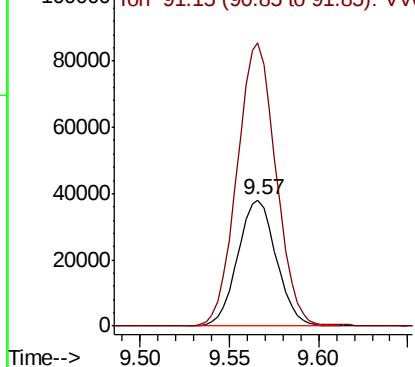
#56
o-xylene
Concen: 4.905 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 57528
Ion Ratio Lower Upper
106 100
91 223.7 158.8 294.8

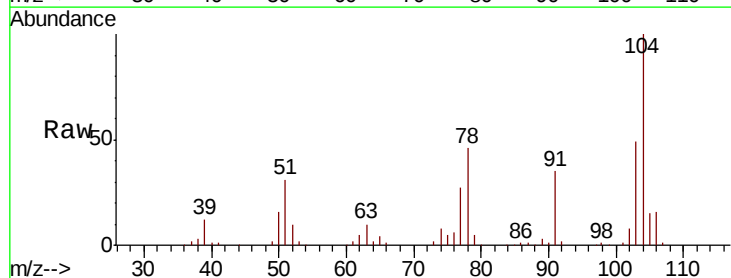


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

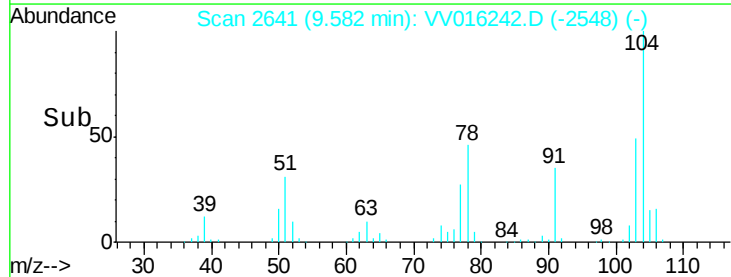
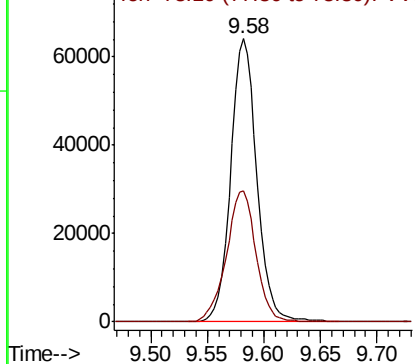


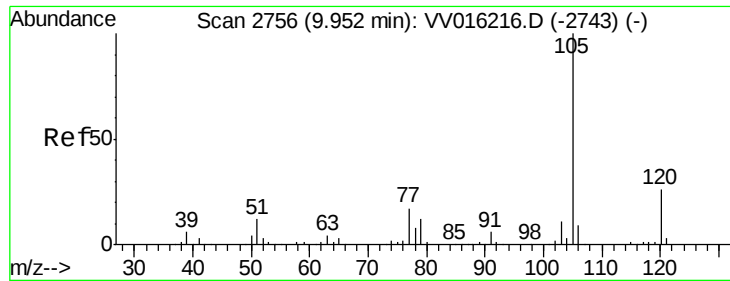
#57
Styrene
Concen: 5.277 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016242.D
Acq: 27 May 2020 20:54

Tgt Ion:104 Resp: 103015
Ion Ratio Lower Upper
104 100
78 46.4 33.2 61.7



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





#58

Isopropylbenzene

Concen: 4.980 ug/L

RT: 9.95 min Scan# 2756

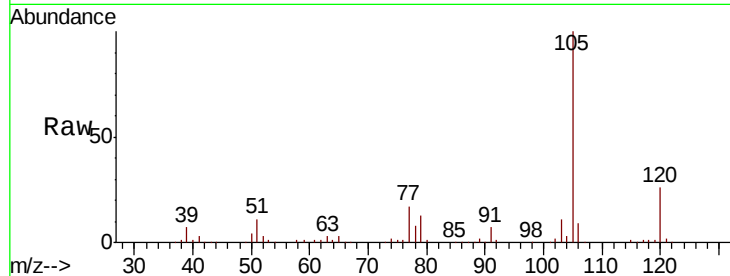
Delta R.T. 0.00 min

Lab File: VV016242.D

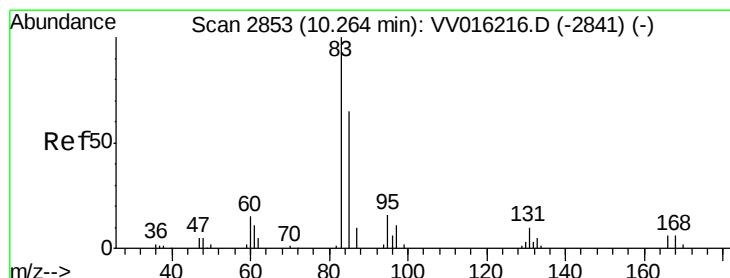
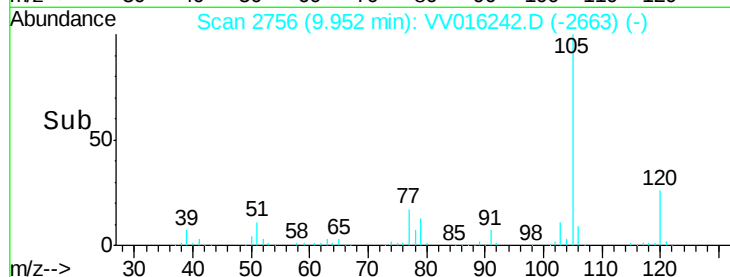
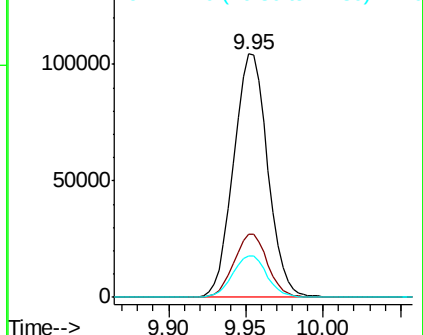
Acq: 27 May 2020 20:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	160016
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.9	31.3
77	17.1	13.9	20.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 4.911 ug/L

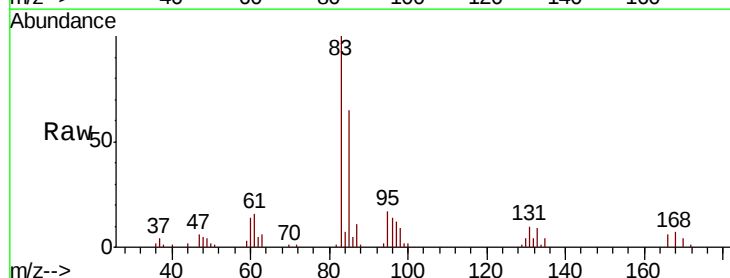
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

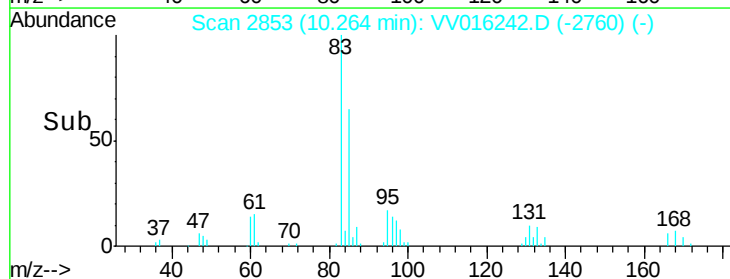
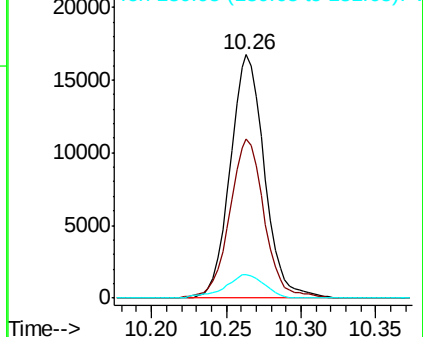
Lab File: VV016242.D

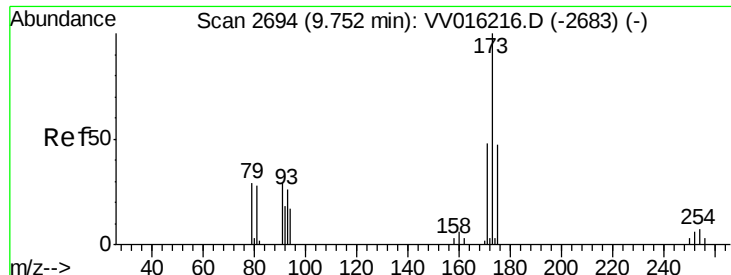
Acq: 27 May 2020 20:54

Tgt Ion:	83	Resp:	26594
Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.6	84.8
131	9.8	7.9	11.9



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.277 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :
MSVOA_V
ClientSampleId :

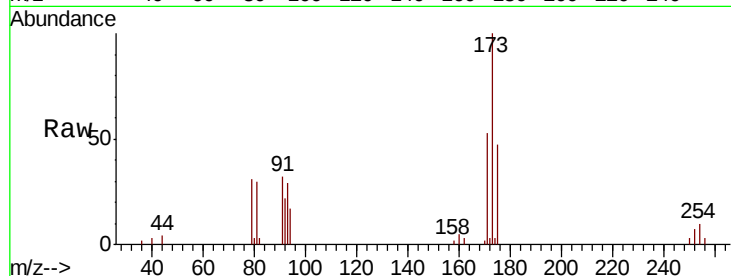
Tot Ion:173 Resp: 10806

Ion Ratio Lower Upper

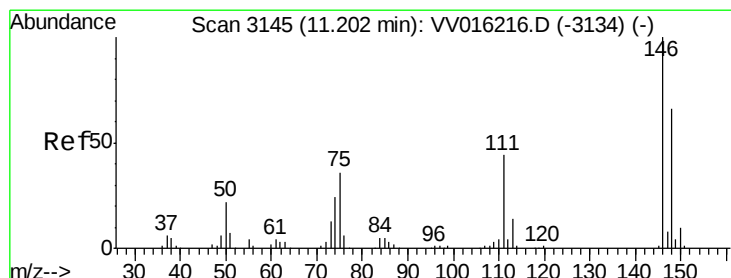
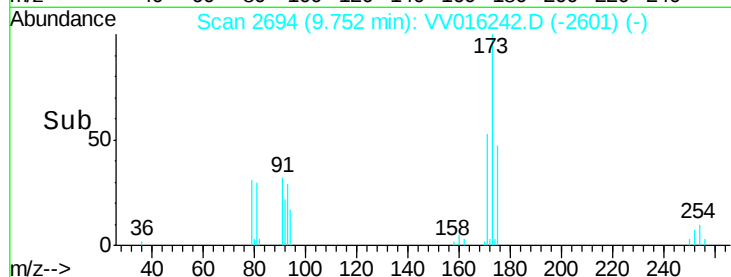
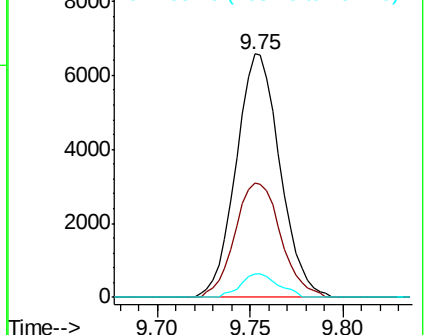
173 100

175 49.1 38.6 58.0

254 8.3 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.889 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

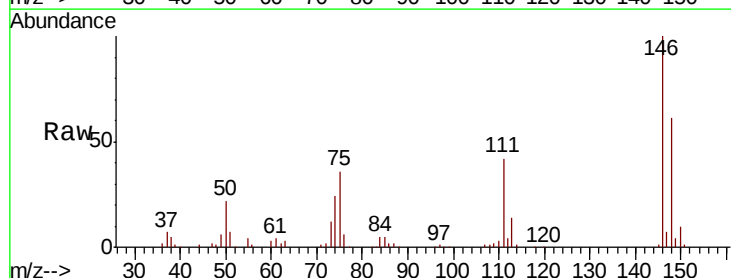
Tgt Ion:146 Resp: 71053

Ion Ratio Lower Upper

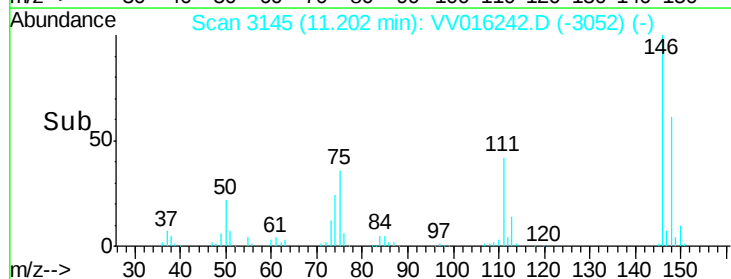
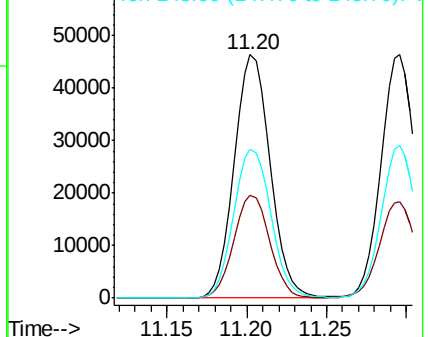
146 100

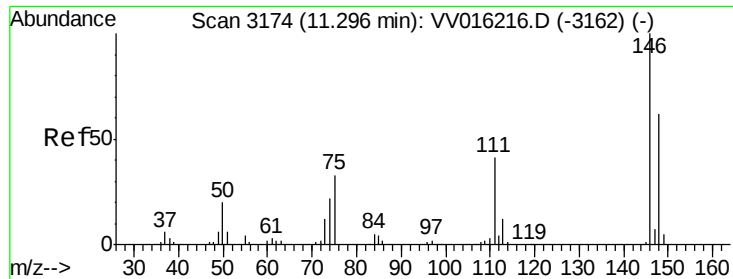
111 42.4 29.7 55.1

148 61.2 45.9 85.3



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





#64

1,4-Dichlorobenzene

Concen: 4.873 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

Instrument :

MSVOA_V

ClientSampleId :

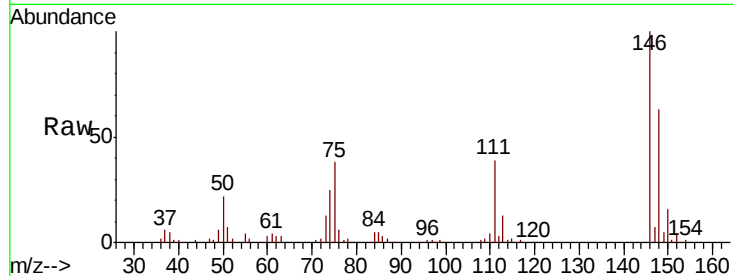
Tot Ion:146 Resp: 71958

Ion Ratio Lower Upper

146 100

111 39.5 28.3 52.7

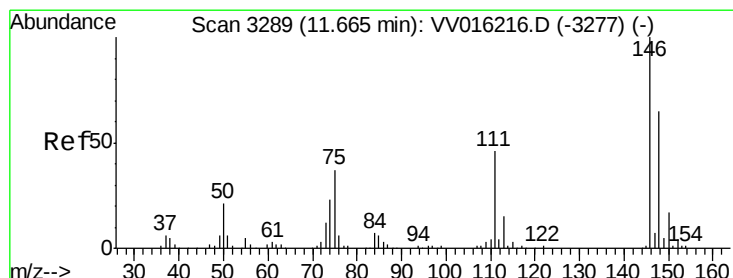
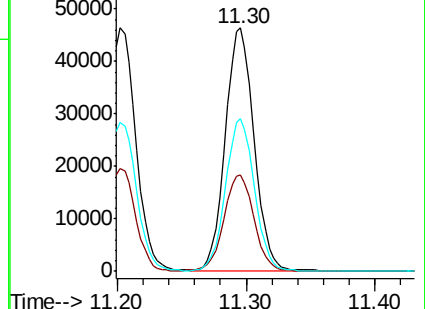
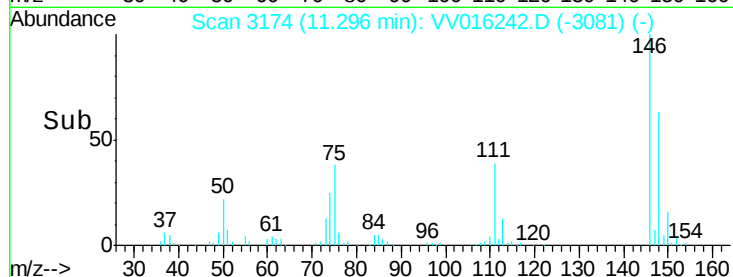
148 62.8 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 4.883 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016242.D

Acq: 27 May 2020 20:54

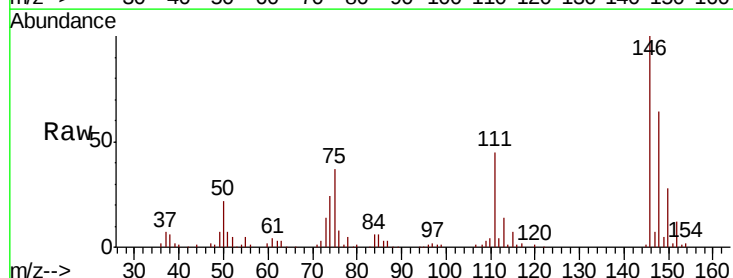
Tgt Ion:146 Resp: 64140

Ion Ratio Lower Upper

146 100

111 45.1 35.7 53.5

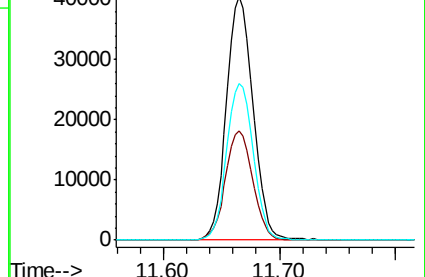
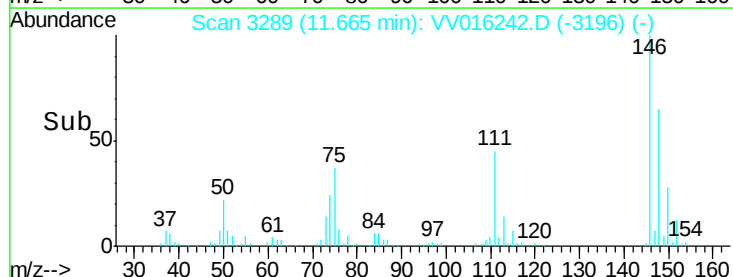
148 64.3 51.3 76.9

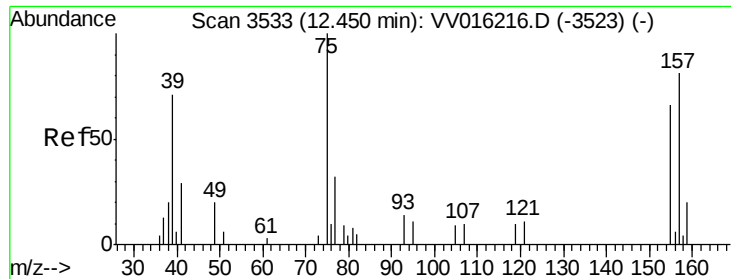


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

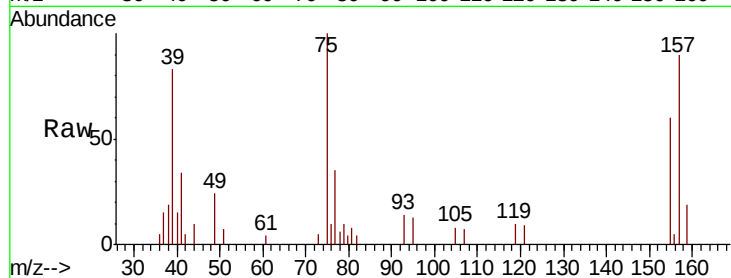




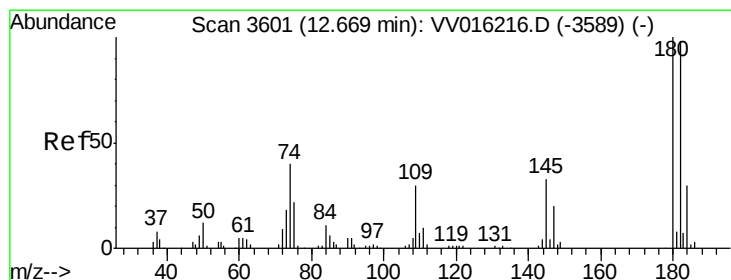
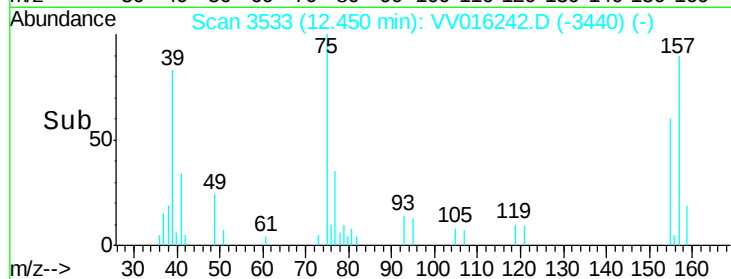
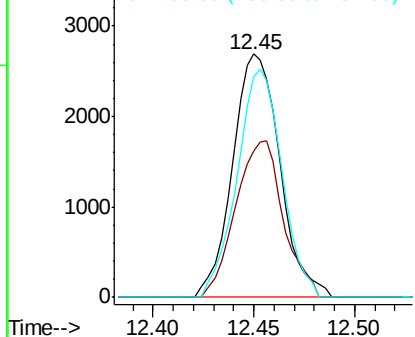
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.977 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 4416
 Ion Ratio Lower Upper
 75 100
 155 60.0 56.2 84.4
 157 90.3 71.9 107.9

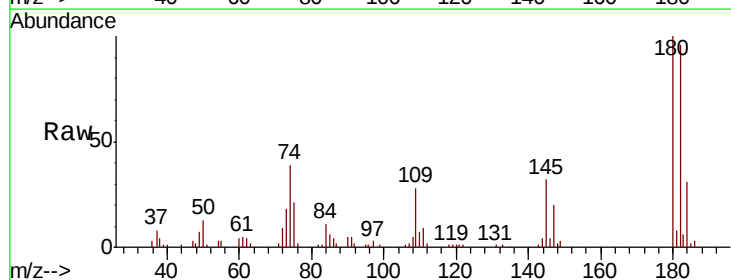


Abundance Ion 75.05 (74.75 to 75.75): VV016242.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016242.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016242.D (-3440) (-)

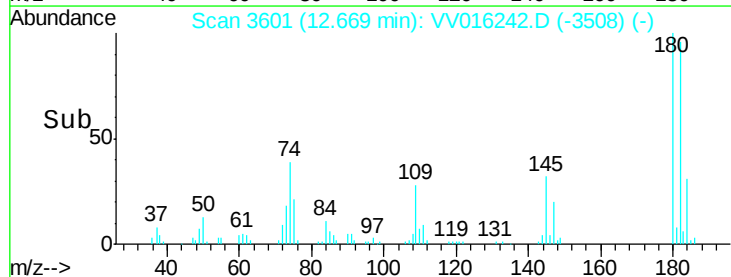
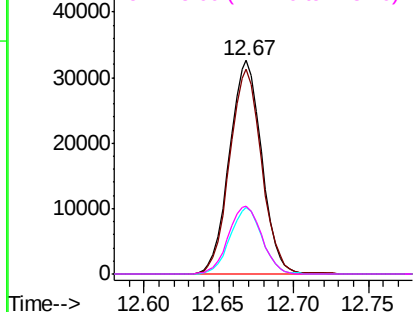


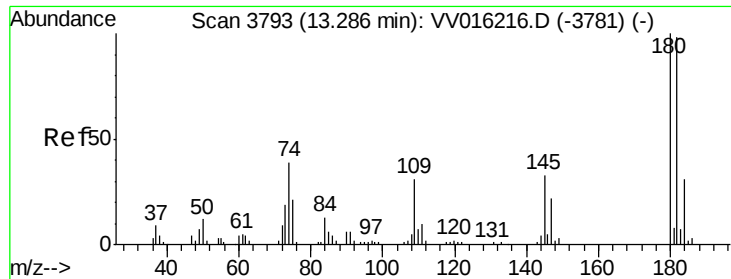
#68
 1,3,5-Trichlorobenzene
 Concen: 4.771 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Tgt Ion: 180 Resp: 49066
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.1 115.7
 184 30.8 25.0 37.4
 145 32.7 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016242.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016242.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016242.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016242.D (-3508) (-)

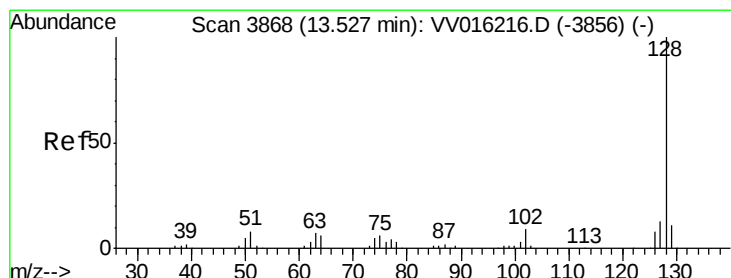
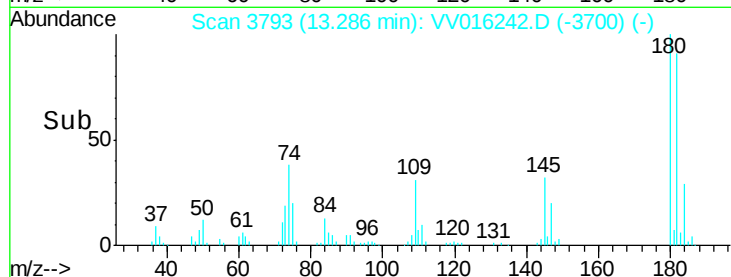
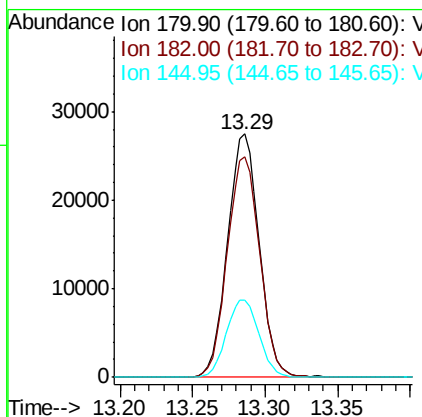
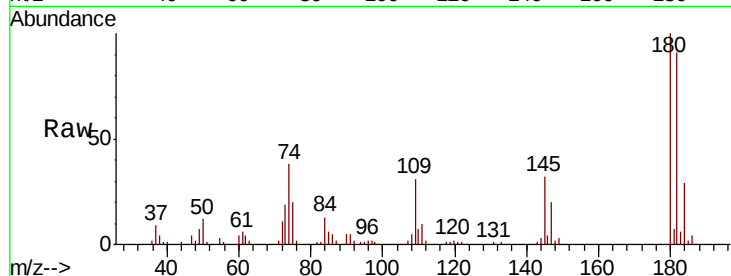




#69
 1,2,4-trichlorobenzene
 Concen: 4.612 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

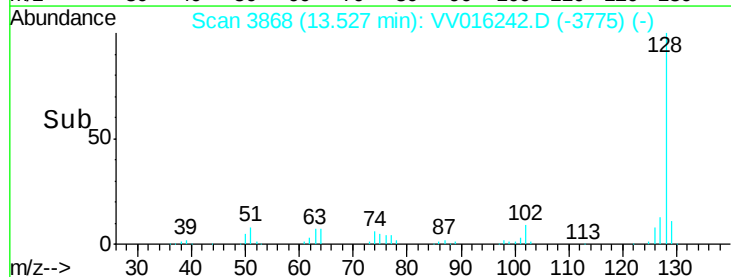
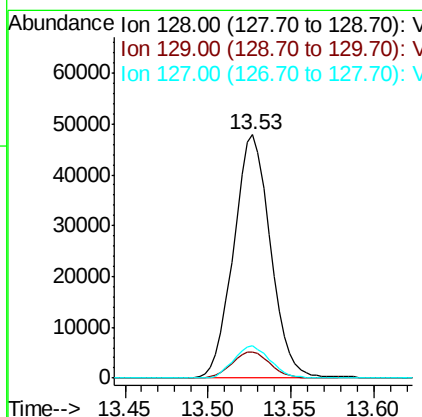
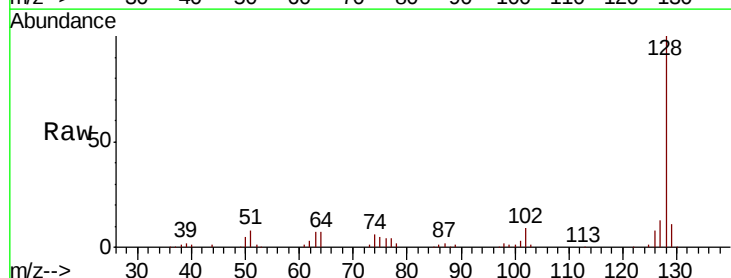
Instrument :
 MSVOA_V
 ClientSampleId :

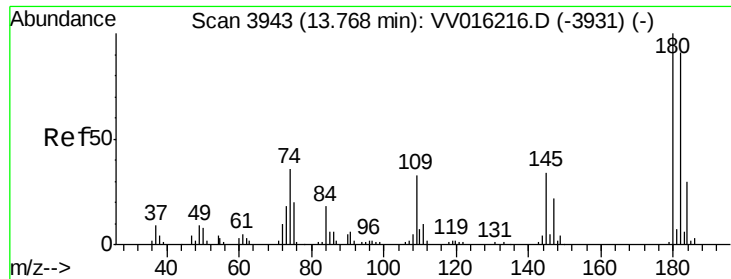
Tot Ion:180 Resp: 41652
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.0 112.4
 145 32.6 27.1 40.7



#70
 Naphthalene
 Concen: 3.762 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Tgt Ion:128 Resp: 74228
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.6 13.0
 127 13.1 10.6 15.8

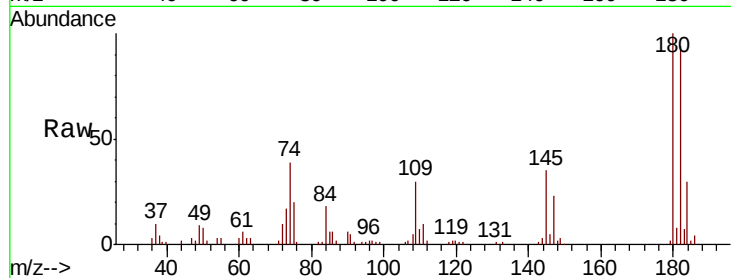




#71
 1,2,3-Trichlorobenzene
 Concen: 4.589 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016242.D
 Acq: 27 May 2020 20:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 37379
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.1 115.7
 145 36.0 28.6 42.8



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

