

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016265.D
 Acq On : 28 May 2020 10:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 01:05:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 06:30:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	92726	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	91229	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	44646	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25237	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.58	69	23305	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.13	63	54424	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.93	46	75906	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	4.38	84	54366	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	29496	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.07	84	103849	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.09	67	33031	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.34	98	100470	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.64	79	12031	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	8.11	63	55453	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24822	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	35256	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	43940	5.383	ug/L 97
3) Chloromethane	1.25	50	44701	5.009	ug/L 100
5) Vinyl chloride	1.32	62	42429	5.225	ug/L 99
6) Bromomethane	1.53	94	18165	3.976	ug/L 99
8) Chloroethane	1.60	64	25796	5.686	ug/L 98
9) Trichlorofluoromethane	1.77	101	57412	5.468	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32194	5.626	ug/L 100
12) 1,1-Dichloroethene	2.14	96	29609	5.414	ug/L 96
13) Acetone	2.21	43	51514	56.336	ug/L 91
14) Carbon disulfide	2.31	76	89409	5.274	ug/L 99
15) Methyl Acetate	2.45	43	12532	5.363	ug/L 99
16) Methylene chloride	2.52	84	35729	5.698	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	70686	5.249	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	30907	5.164	ug/L 94
19) 1,1-Dichloroethane	3.21	63	63642	5.598	ug/L 100
21) 2-Butanone	4.02	43	87000	53.485	ug/L 91
22) cis-1,2-Dichloroethene	3.94	96	34755	4.910	ug/L 98

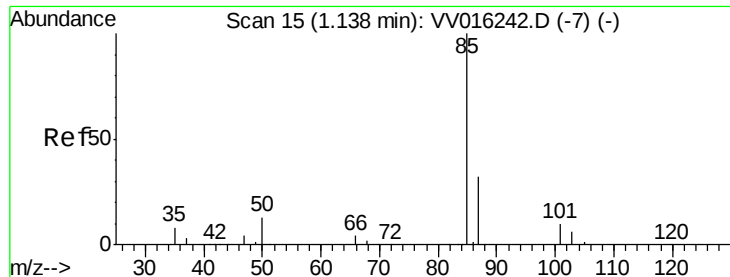
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016265.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 06:30:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	14199	5.284	ug/L	97
25) Chloroform	4.40	83	64537	5.364	ug/L	98
27) 1,2-Dichloroethane	5.15	62	40523	5.151	ug/L #	95
29) 1,1,1-Trichloroethane	4.63	97	55228	5.100	ug/L	99
30) Cyclohexane	4.70	56	59884	5.161	ug/L	98
31) Carbon tetrachloride	4.85	117	46863	5.108	ug/L	99
33) Benzene	5.12	78	135707	5.169	ug/L	100
34) Trichloroethene	5.94	95	35442	5.182	ug/L	99
35) Methylcyclohexane	6.15	83	58584	5.079	ug/L	99
37) 1,2-Dichloropropane	6.20	63	34169	5.307	ug/L	99
38) Bromodichloromethane	6.53	83	41490	5.237	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	46242	5.071	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	209671	52.339	ug/L	99
42) Toluene	7.41	91	148289	5.180	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	135422	5.196	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	140493	5.234	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	38466	5.077	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	22210	5.244	ug/L	97
49) Tetrachloroethene	8.00	164	25862	5.267	ug/L	97
50) 2-Hexanone	8.16	43	152071	54.433	ug/L	99
51) Dibromochloromethane	8.27	129	24473	5.456	ug/L	96
52) 1,2-Dibromoethane	8.37	107	20425	5.133	ug/L	99
53) Chlorobenzene	8.90	112	91537	5.174	ug/L	100
54) Ethylbenzene	9.03	91	168282	5.273	ug/L	99
55) m,p-xylene	9.16	106	63633	5.318	ug/L	97
56) o-xylene	9.56	106	58682	5.146	ug/L	97
57) Styrene	9.58	104	102759	5.415	ug/L	100
58) Isopropylbenzene	9.95	105	162930	5.216	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	27494	5.222	ug/L	96
62) Bromoform	9.75	173	10873	5.663	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	71750	5.266	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	72024	5.202	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	64558	5.242	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	4605	5.536	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	51220	5.312	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	42635	5.036	ug/L	98
70) Naphthalene	13.53	128	77120	4.169	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	38560	5.050	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.383 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

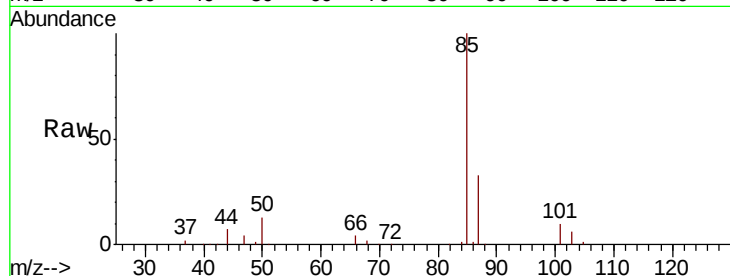
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 43940

Ion Ratio Lower Upper

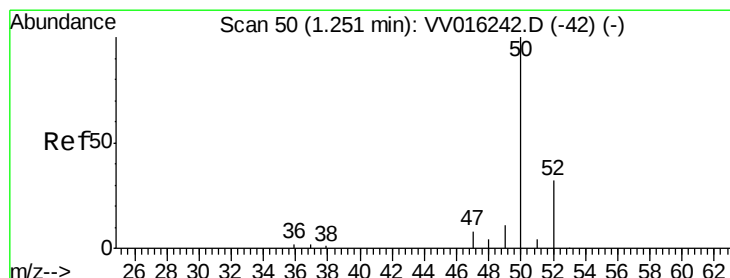
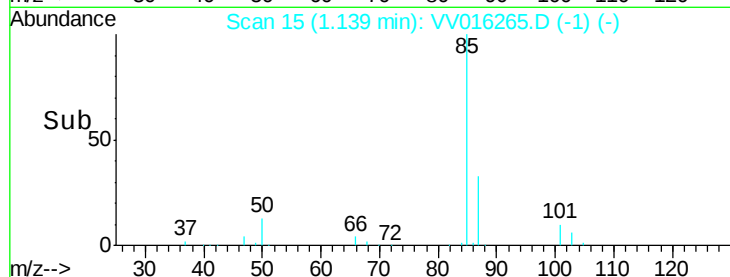
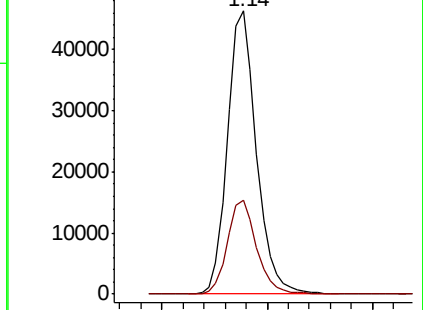
85 100

87 33.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV016242.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV016242.D (-7) (-)



#3

Chloromethane

Concen: 5.009 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016265.D

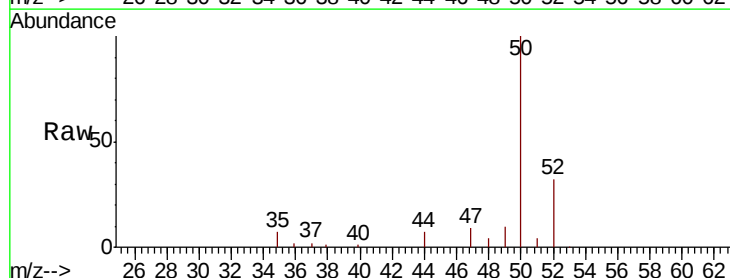
Acq: 28 May 2020 10:15

Tgt Ion: 50 Resp: 44701

Ion Ratio Lower Upper

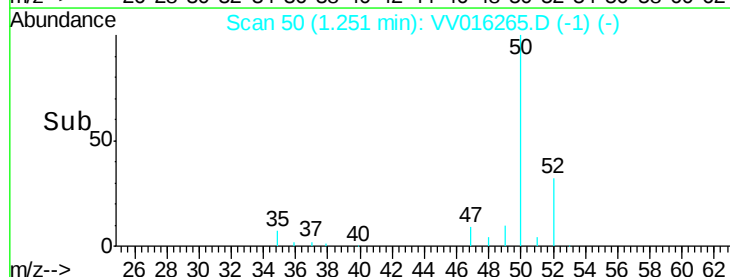
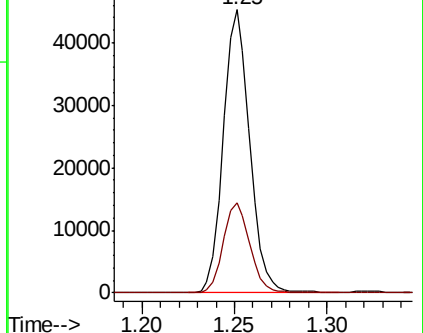
50 100

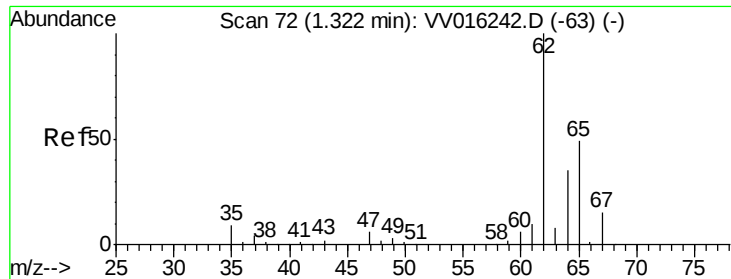
52 32.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV016242.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV016242.D (-42) (-)





#5

Vinyl chloride

Concen: 5.225 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

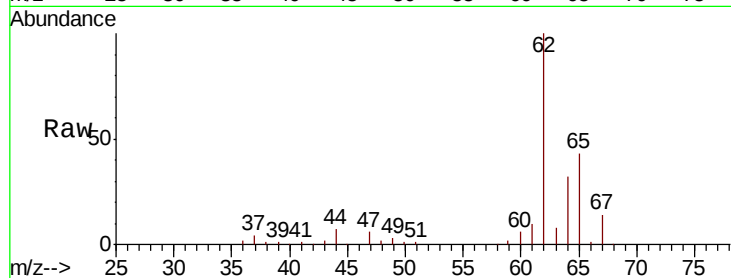
ClientSampled :

Tot Ion: 62 Resp: 42429

Ion Ratio Lower Upper

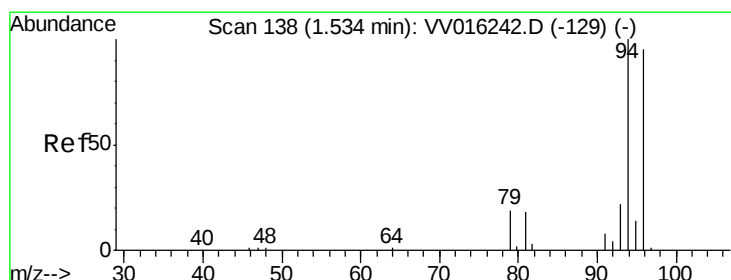
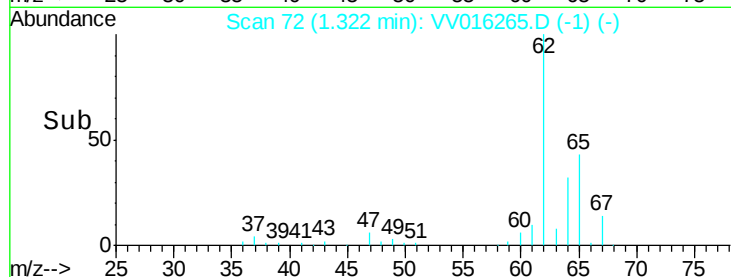
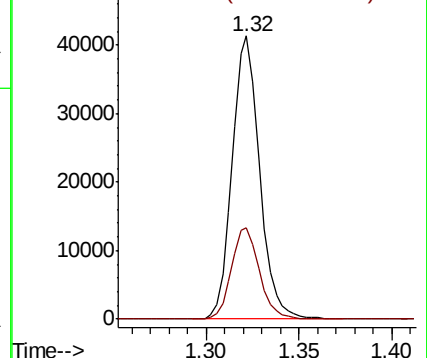
62 100

64 32.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.976 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016265.D

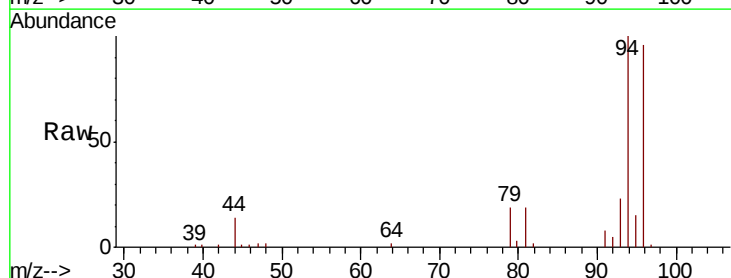
Acq: 28 May 2020 10:15

Tgt Ion: 94 Resp: 18165

Ion Ratio Lower Upper

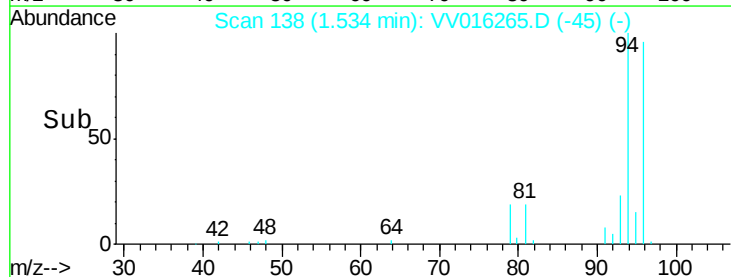
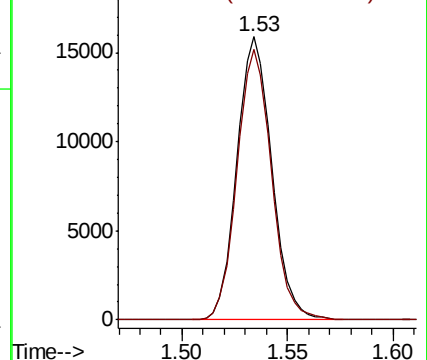
94 100

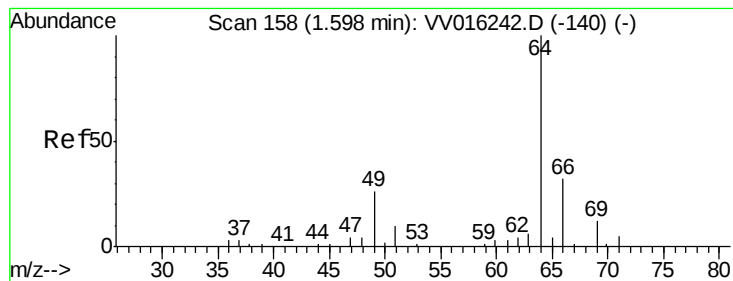
96 95.6 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.686 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

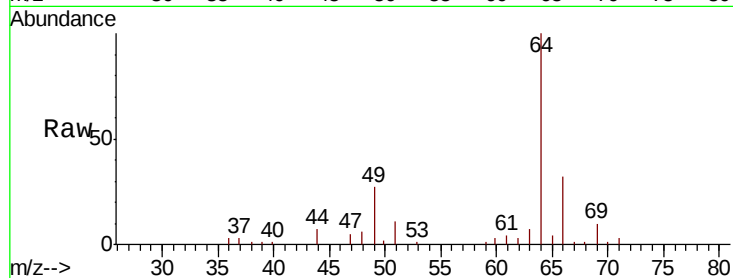
ClientSampleId :

Tot Ion: 64 Resp: 25796

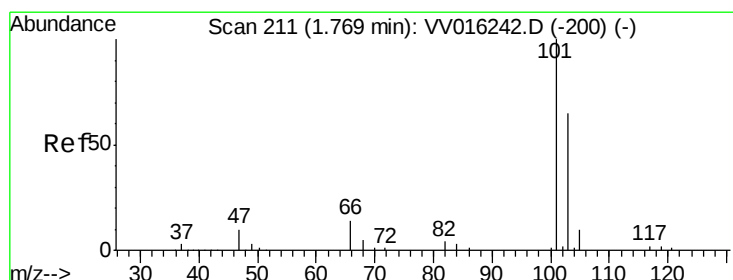
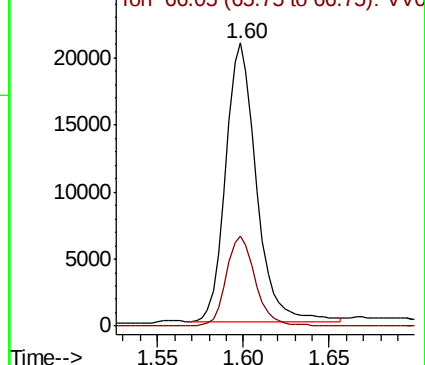
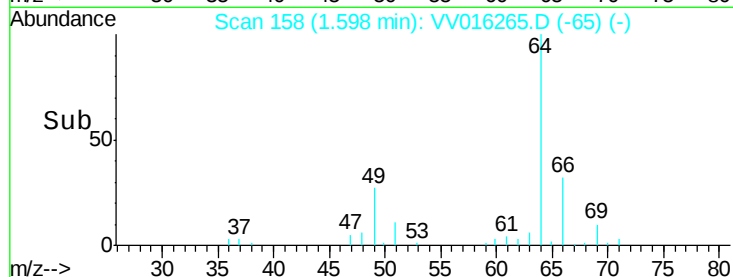
Ion Ratio Lower Upper

64 100

66 31.7 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV016265.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 5.468 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016265.D

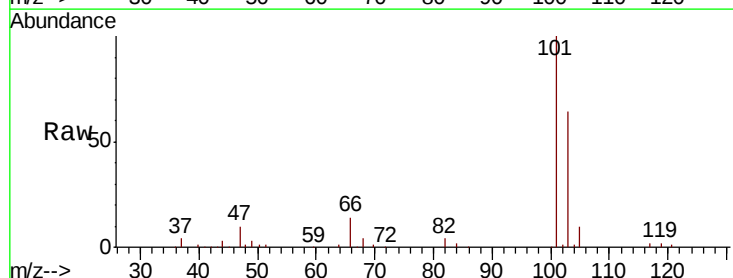
Acq: 28 May 2020 10:15

Tgt Ion: 101 Resp: 57412

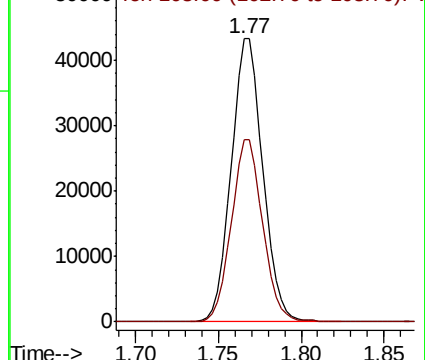
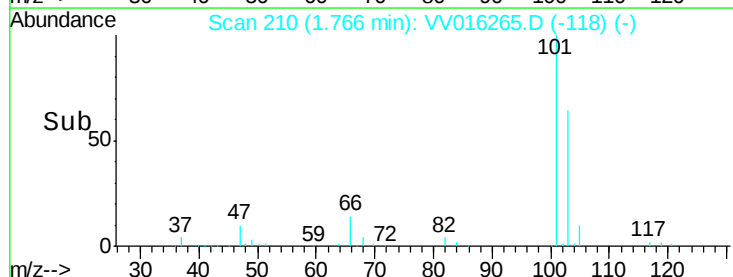
Ion Ratio Lower Upper

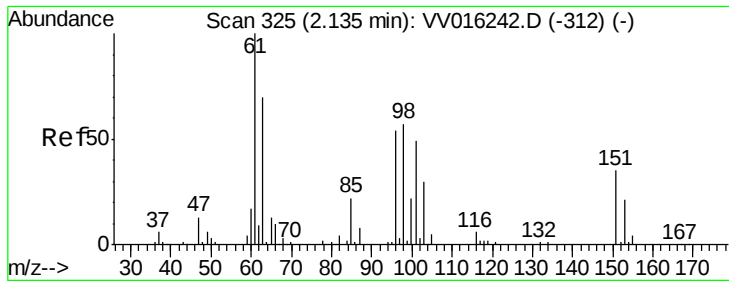
101 100

103 63.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV016265.D (-118) (-)





#10

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

Concen: 5.626 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

ClientSampled :

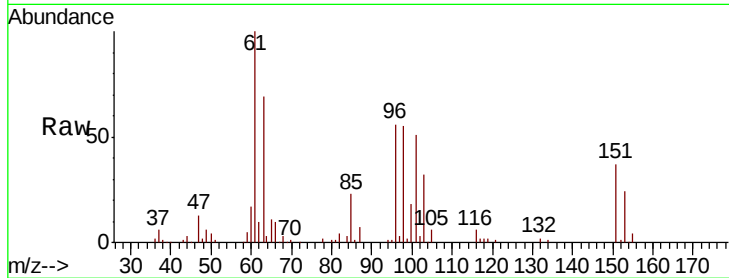
Tot Ion:101 Resp: 32194

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

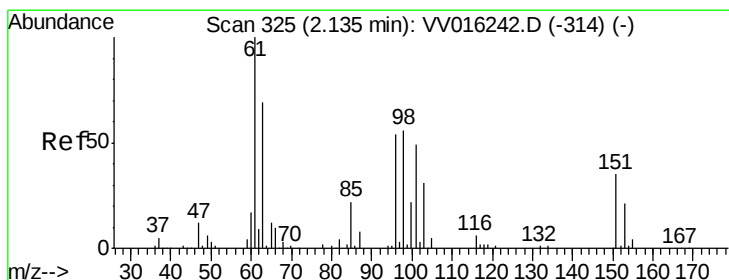
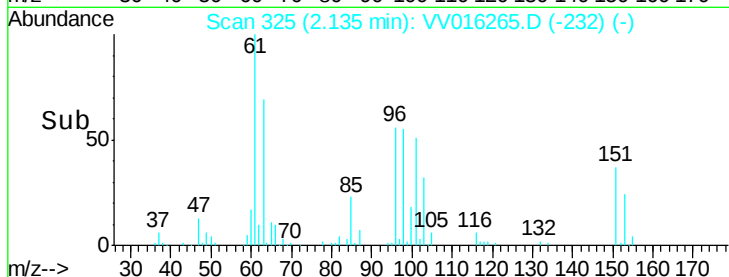
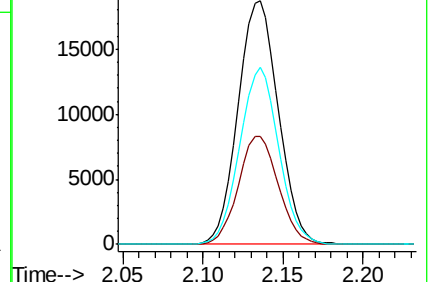
151 70.3 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.414 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

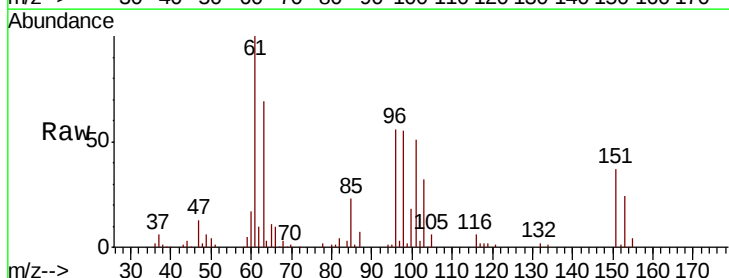
Tgt Ion: 96 Resp: 29609

Ion Ratio Lower Upper

96 100

61 179.7 124.9 231.9

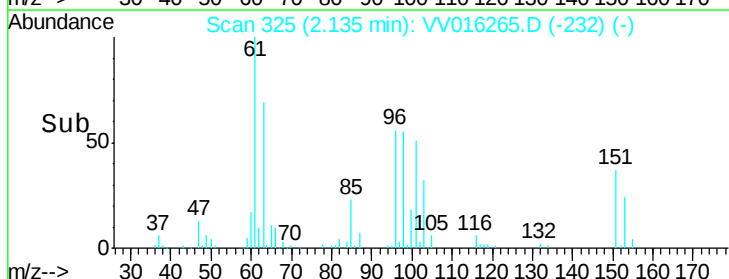
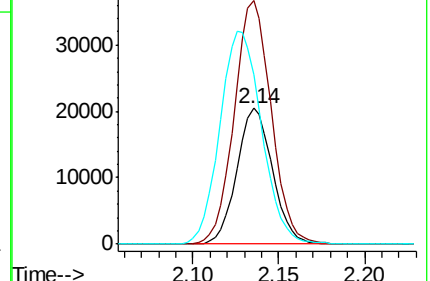
63 124.6 80.4 149.2

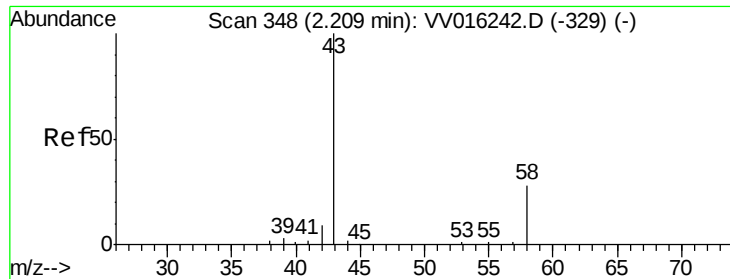


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.336 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

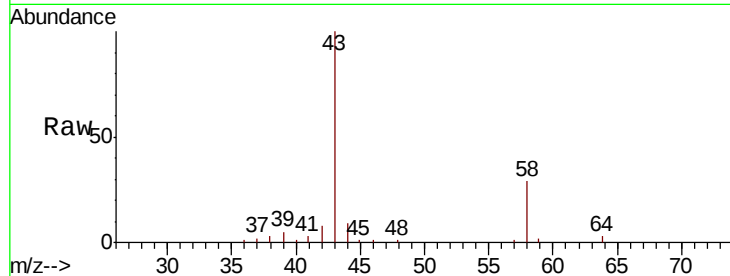
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 51514

Ion Ratio Lower Upper

43 100

58 29.1 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV016242.D (-329) (-)

Ion 58.05 (57.75 to 58.75): VV016242.D (-329) (-)

2.21

15000

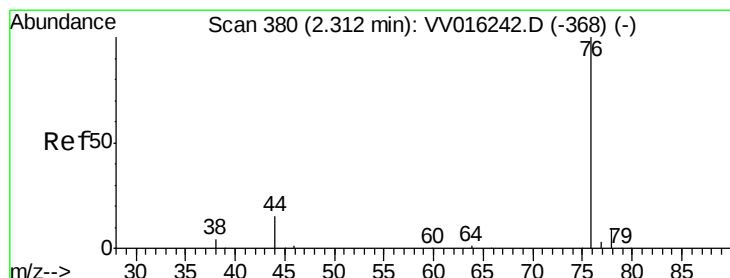
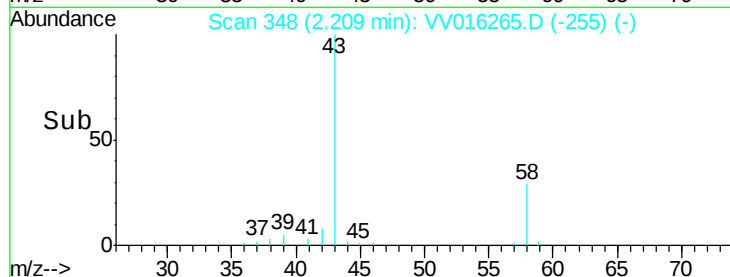
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.274 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016265.D

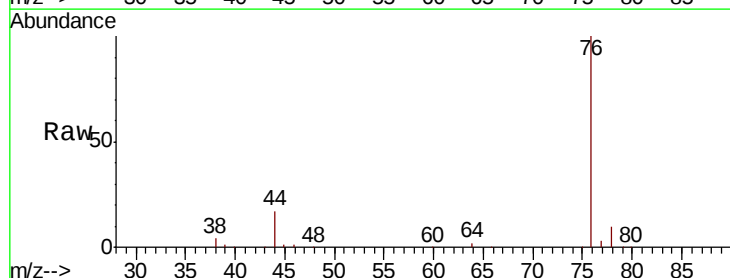
Acq: 28 May 2020 10:15

Tgt Ion: 76 Resp: 89409

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV016242.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV016242.D (-368) (-)

2.31

60000

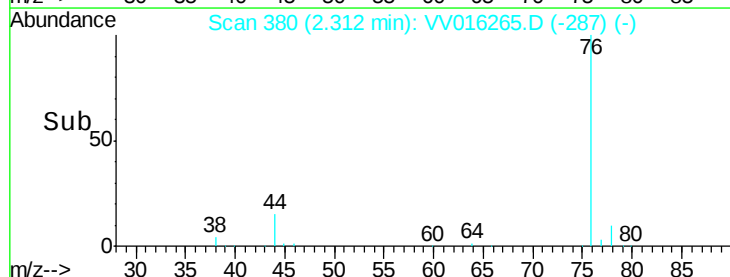
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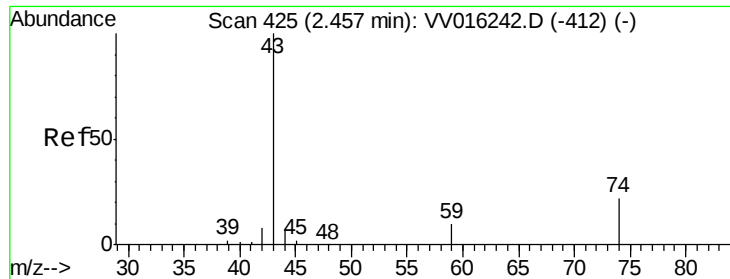
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Time-->

2.25 2.30 2.35 2.40

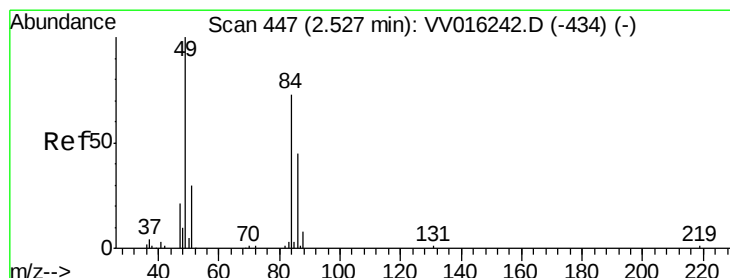
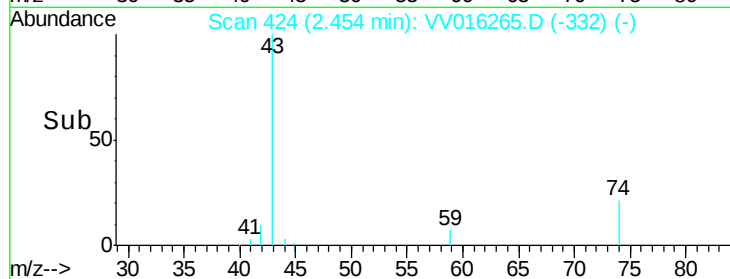
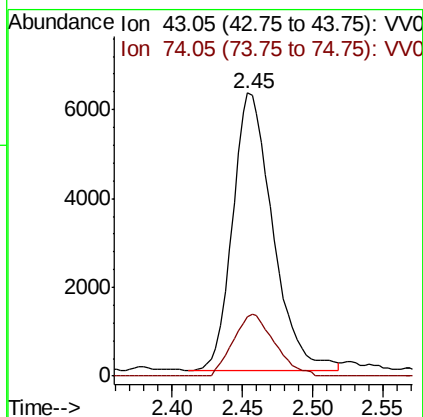
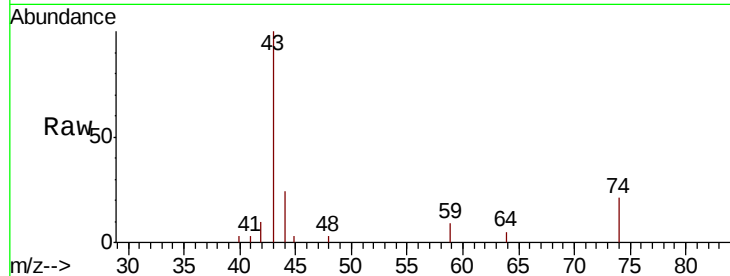




#15
Methvl Acetate
Concen: 5.363 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

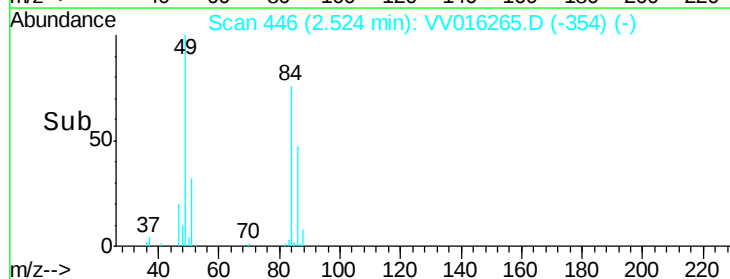
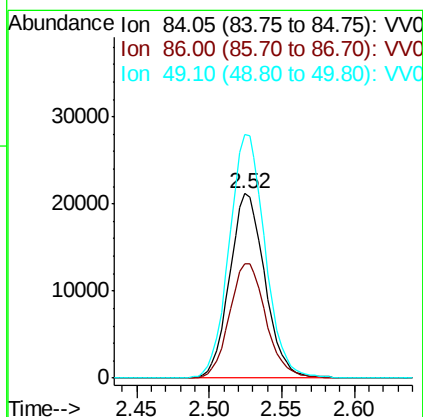
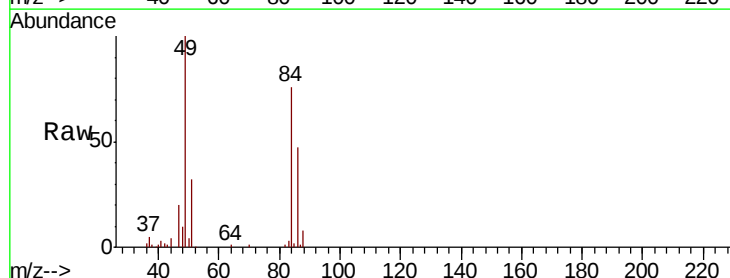
Instrument :
MSVOA_V
ClientSampled :

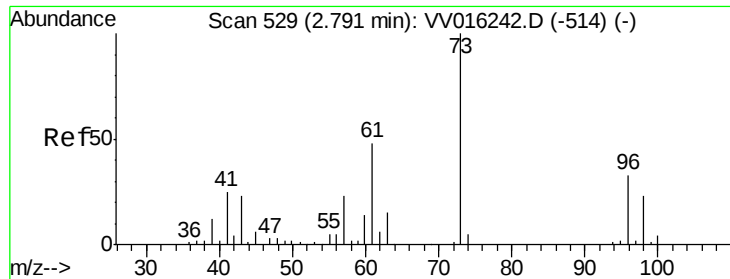
Tot Ion: 43 Resp: 12532
Ion Ratio Lower Upper
43 100
74 22.9 18.1 27.1



#16
Methylene chloride
Concen: 5.698 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion: 84 Resp: 35729
Ion Ratio Lower Upper
84 100
86 62.0 44.9 83.5
49 132.1 96.7 179.7

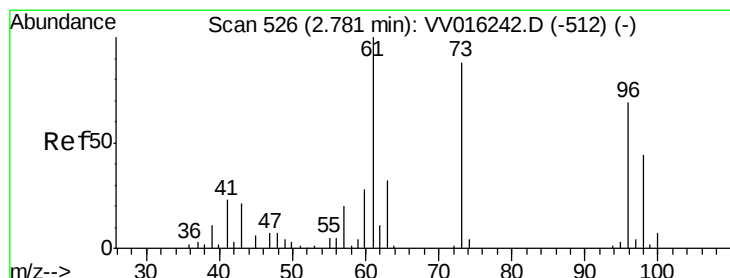
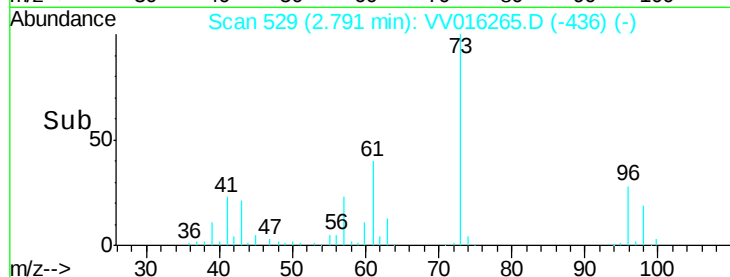
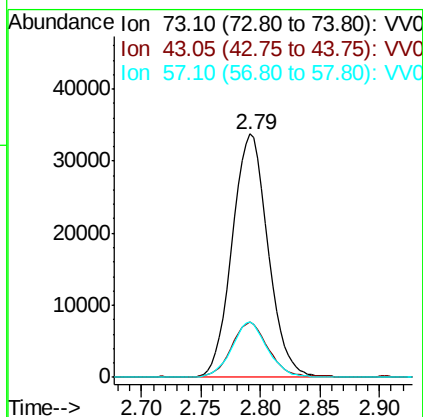
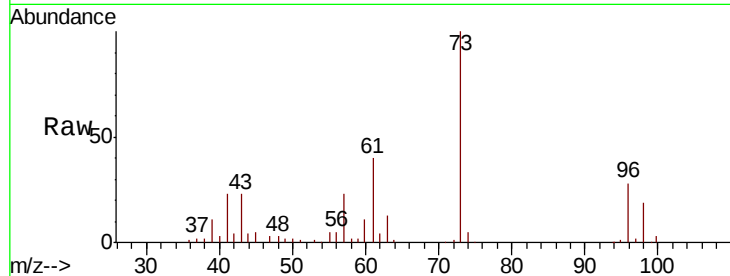




#17
Methvl tert-butvl Ether
Concen: 5.249 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

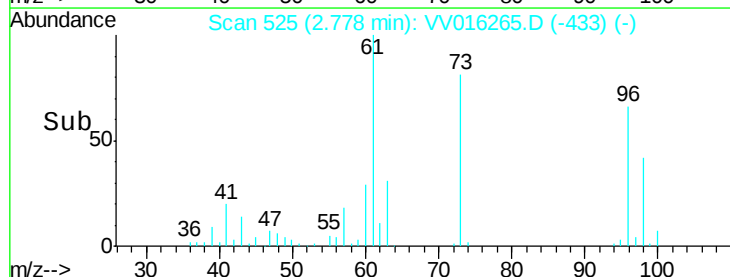
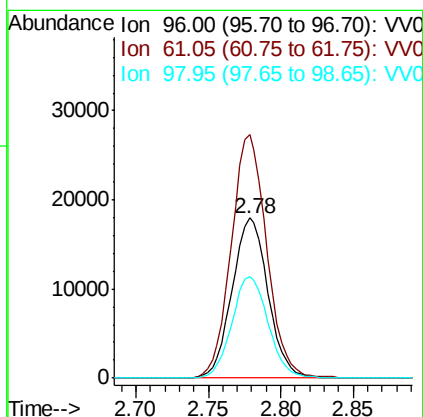
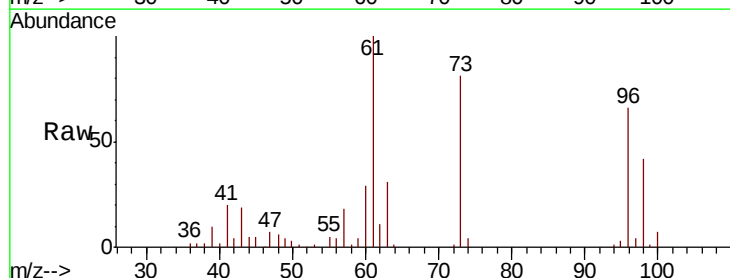
Instrument :
MSVOA_V
ClientSampled :

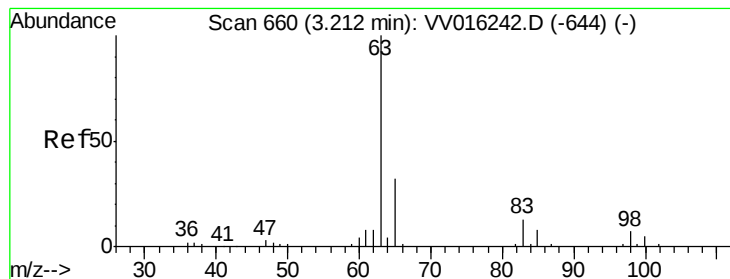
Tot Ion: 73 Resp: 70686
Ion Ratio Lower Upper
73 100
43 23.3 17.8 26.8
57 22.5 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.164 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion: 96 Resp: 30907
Ion Ratio Lower Upper
96 100
61 152.2 99.8 185.4
98 63.7 44.0 81.6





#19

1,1-Dichloroethane

Concen: 5.598 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

ClientSampleId :

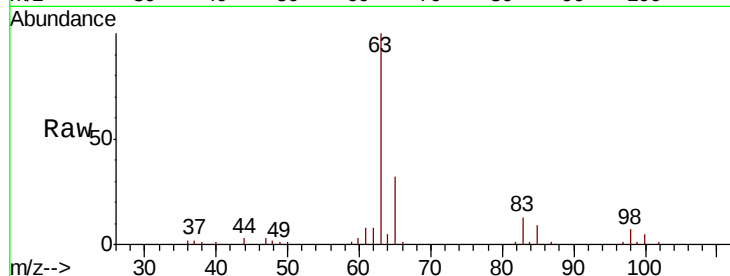
Tot Ion: 63 Resp: 63642

Ion Ratio Lower Upper

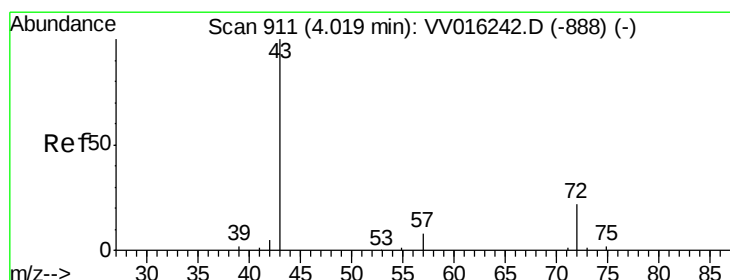
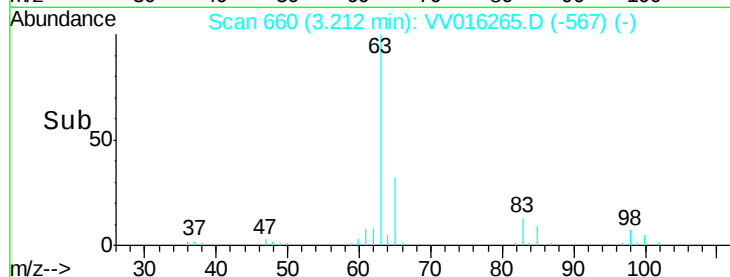
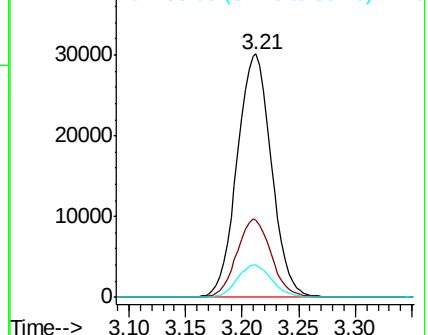
63 100

65 31.7 22.3 41.5

83 13.3 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: 53.485 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV016265.D

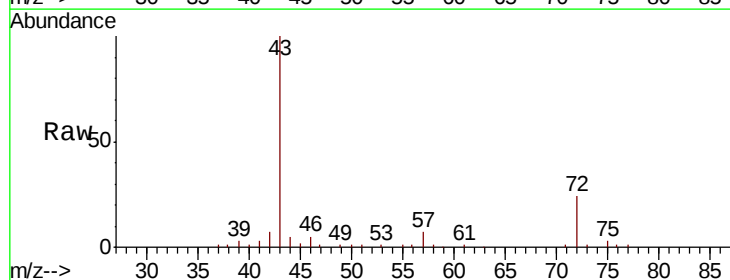
Acq: 28 May 2020 10:15

Tgt Ion: 43 Resp: 87000

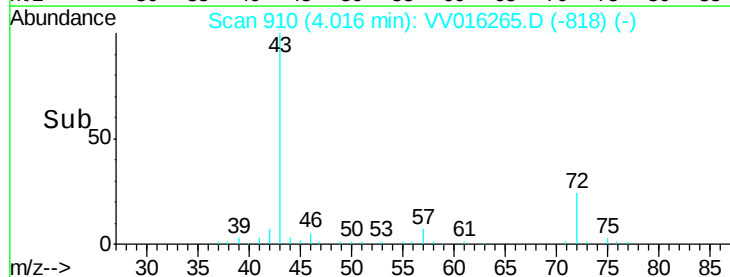
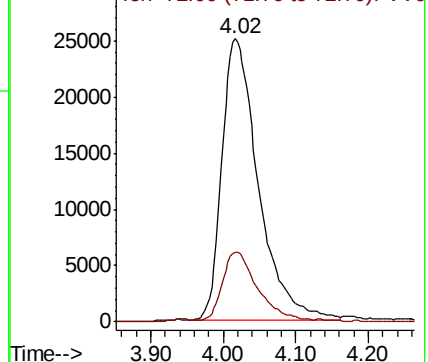
Ion Ratio Lower Upper

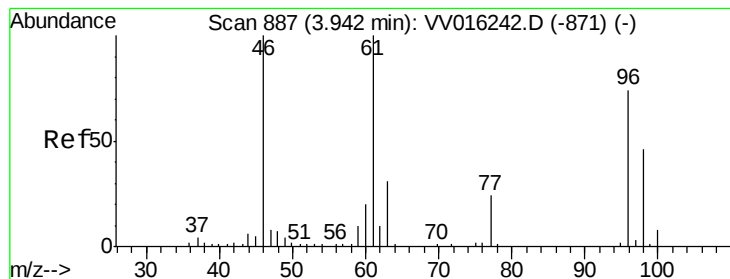
43 100

72 23.3 9.7 28.9



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



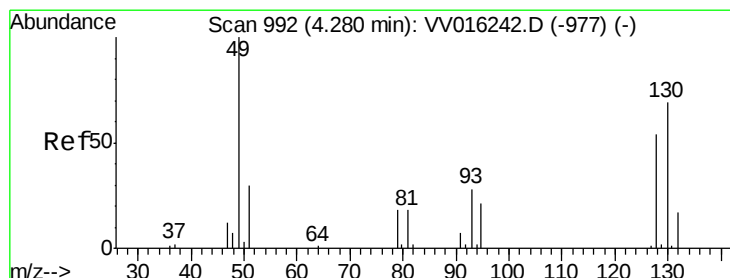
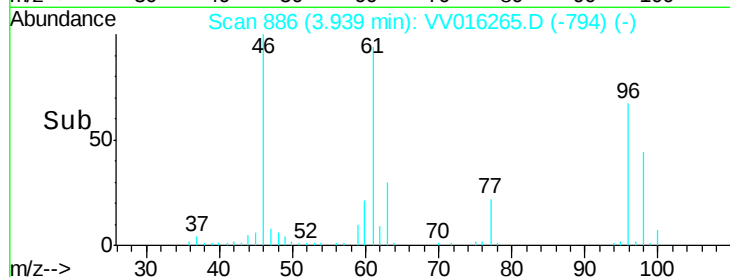
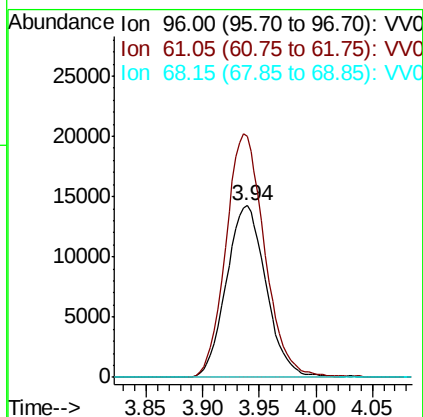
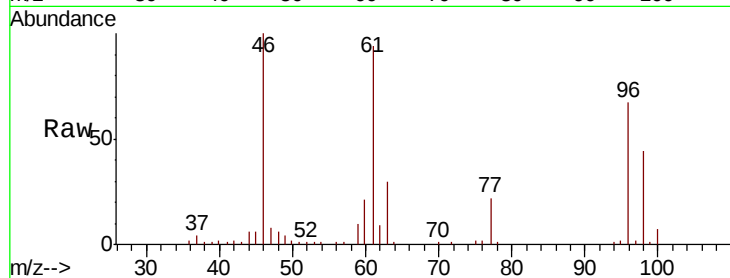


#22

cis-1,2-Dichloroethene
Concen: 4.910 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Instrument :
MSVOA_V
ClientSampled :

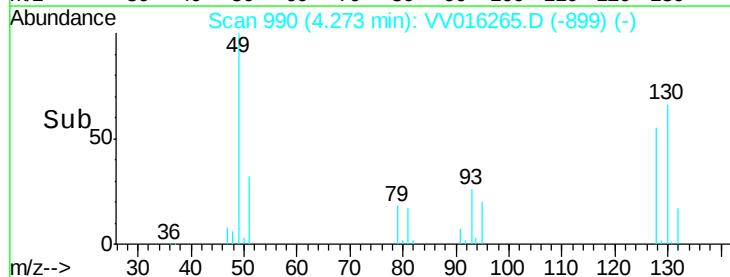
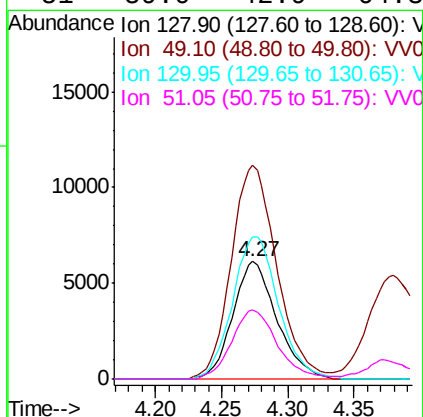
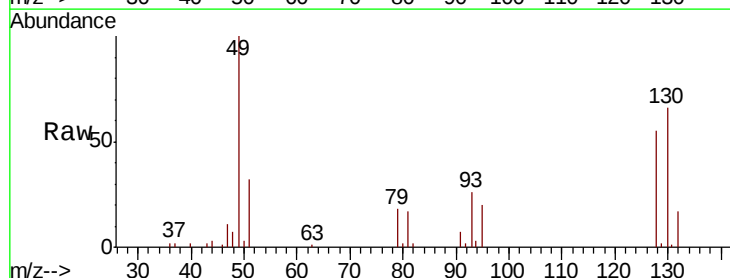
Tot Ion: 96 Resp: 34755
Ion Ratio Lower Upper
96 100
61 140.3 99.7 185.1
68 0.0 0.0 0.0

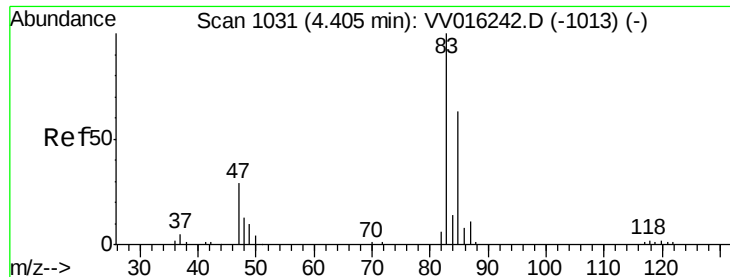


#23

Bromochloromethane
Concen: 5.284 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion: 128 Resp: 14199
Ion Ratio Lower Upper
128 100
49 181.7 125.5 233.1
130 120.4 83.0 154.2
51 59.0 42.9 64.3

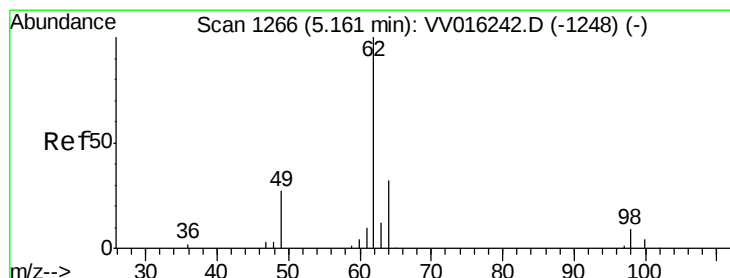
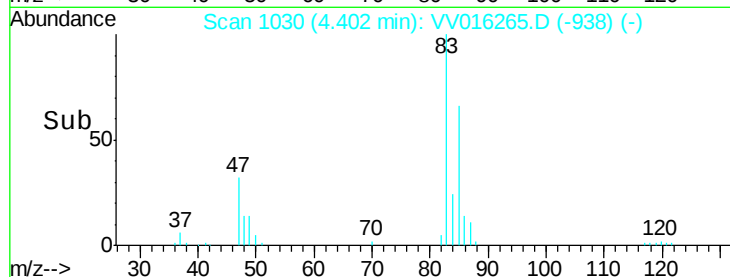
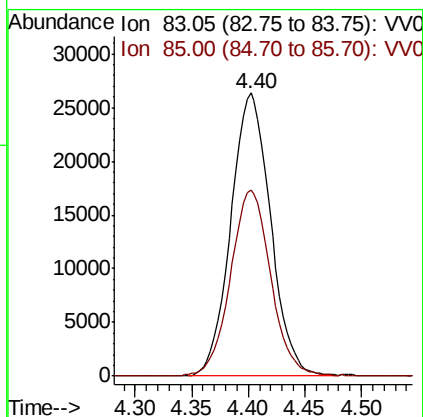
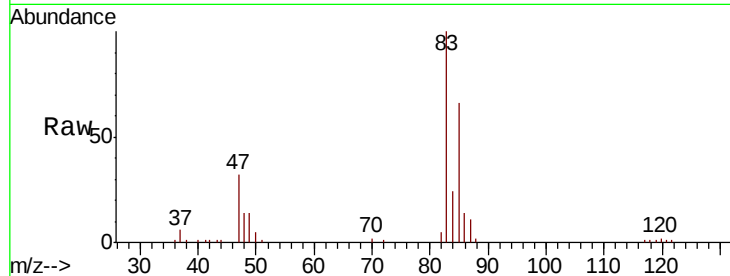




#25
Chloroform
Concen: 5.364 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

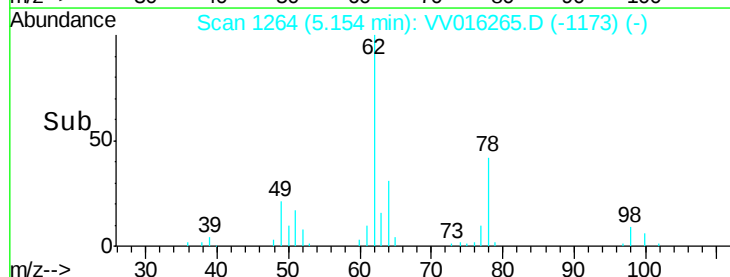
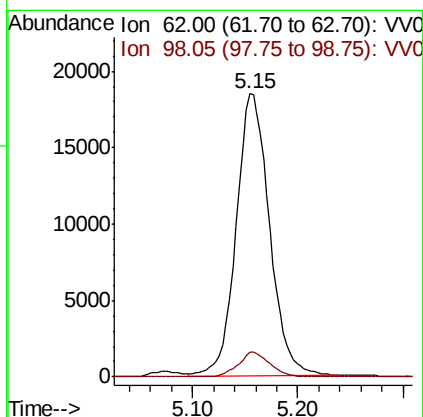
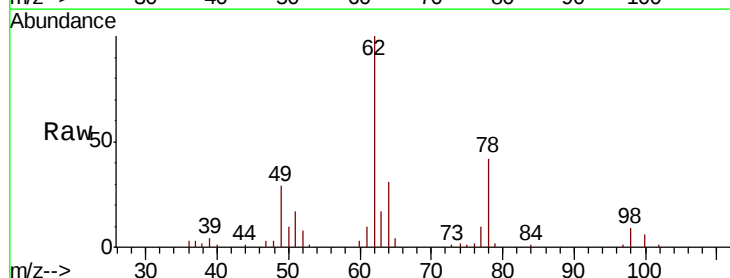
Instrument :
MSVOA_V
ClientSampleId :

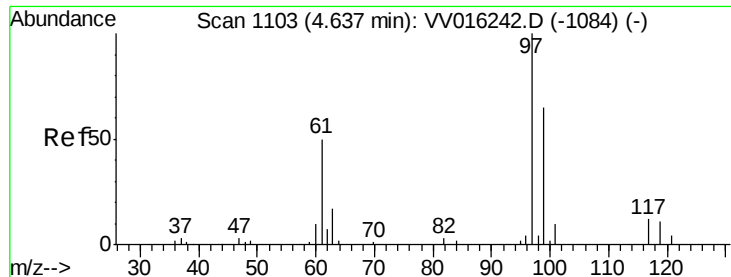
Tot Ion: 83 Resp: 64537
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.151 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion: 62 Resp: 40523
Ion Ratio Lower Upper
62 100
98 8.7 5.7 8.5#

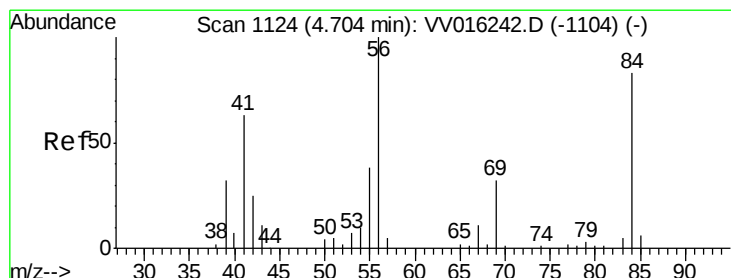
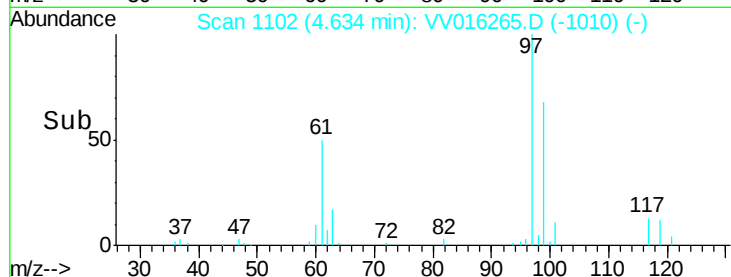
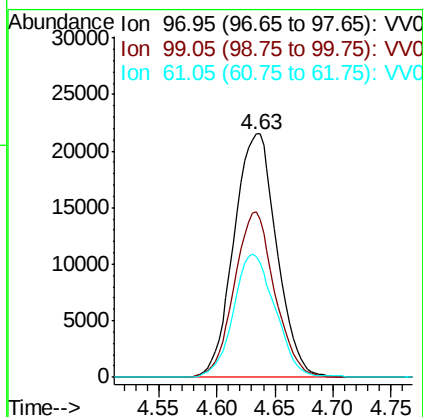
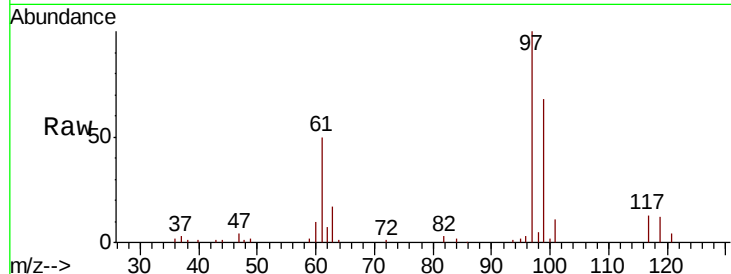




#29
 1,1,1-Trichloroethane
 Concen: 5.100 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

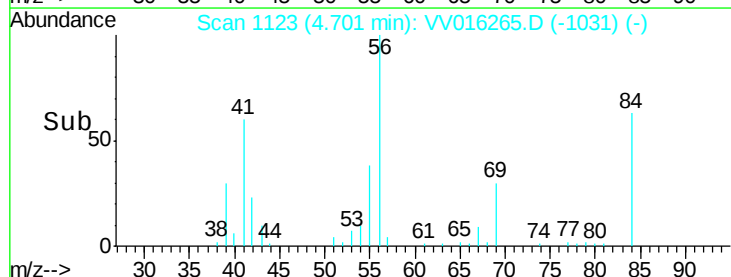
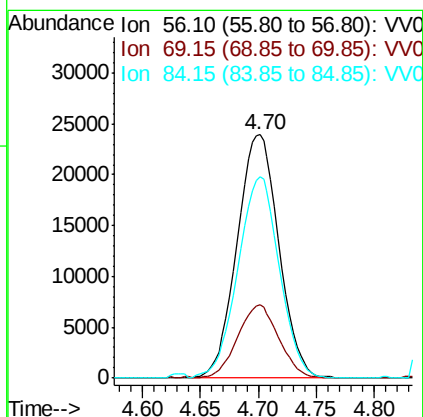
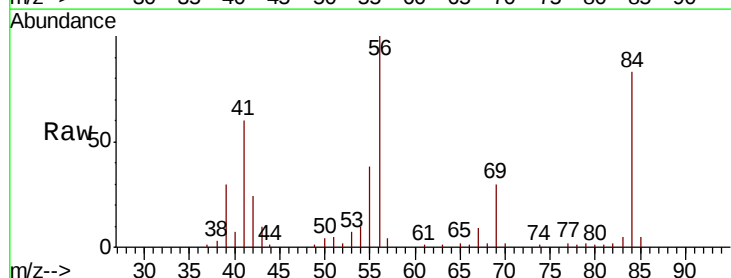
Instrument :
 MSVOA_V
 ClientSampleId :

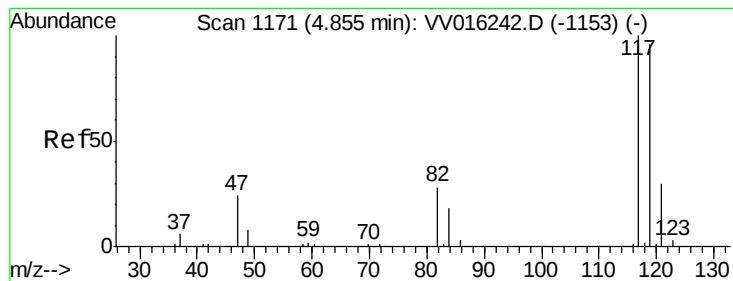
Tot Ion: 97 Resp: 55228
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 49.3 38.6 57.8



#30
 Cyclohexane
 Concen: 5.161 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Tgt Ion: 56 Resp: 59884
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.6 36.8
 84 82.4 67.1 100.7





#31

Carbon tetrachloride

Concen: 5.108 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

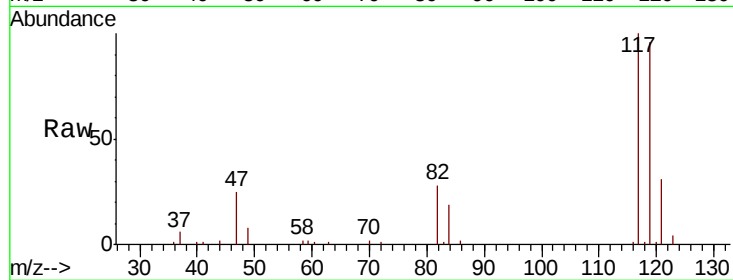
ClientSampleId :

Tot Ion:117 Resp: 46863

Ion Ratio Lower Upper

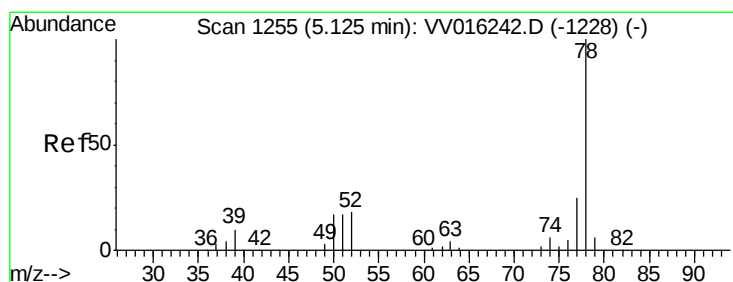
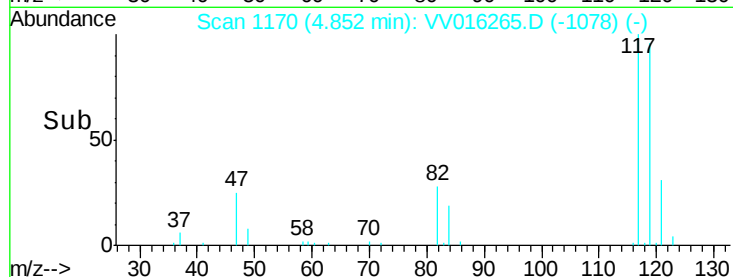
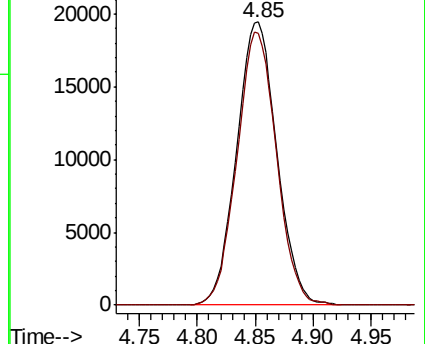
117 100

119 94.9 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: 5.169 ug/L

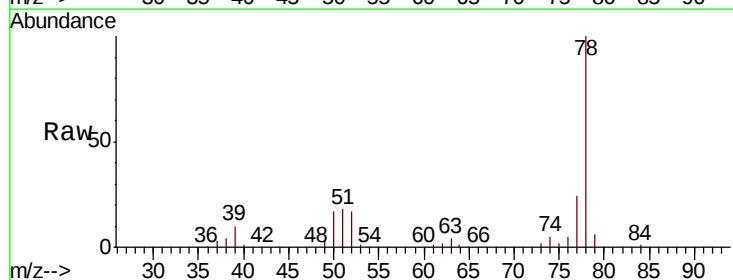
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

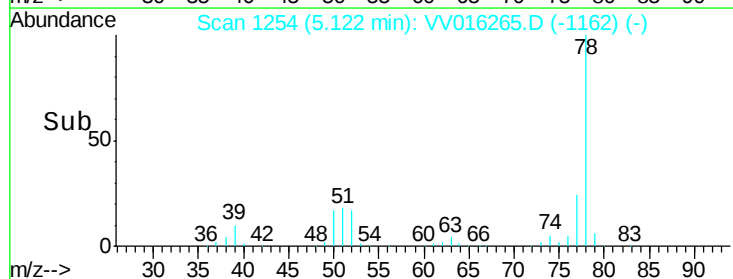
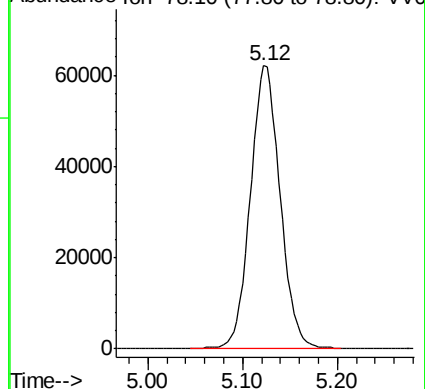
Lab File: VV016265.D

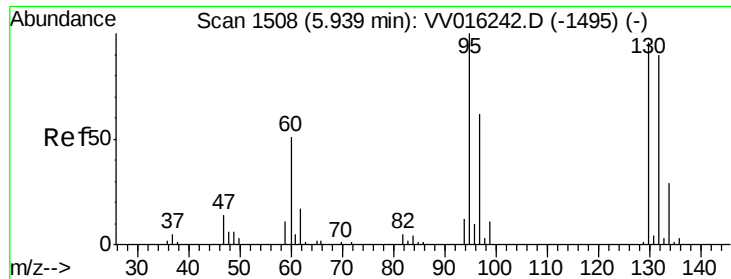
Acq: 28 May 2020 10:15

Tgt Ion: 78 Resp: 135707



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.182 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 35442

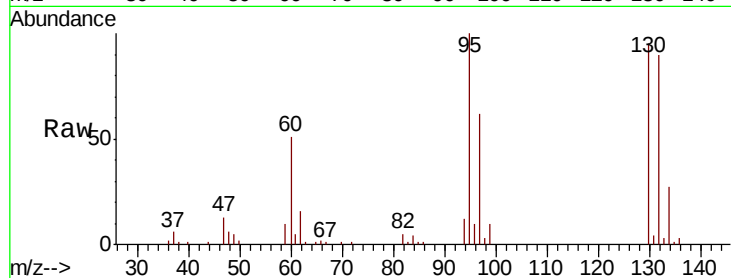
Ion Ratio Lower Upper

95 100

97 61.5 43.6 81.0

132 90.4 63.9 118.7

130 94.8 65.2 121.0

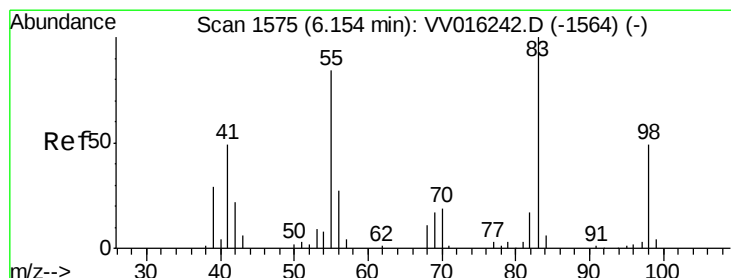
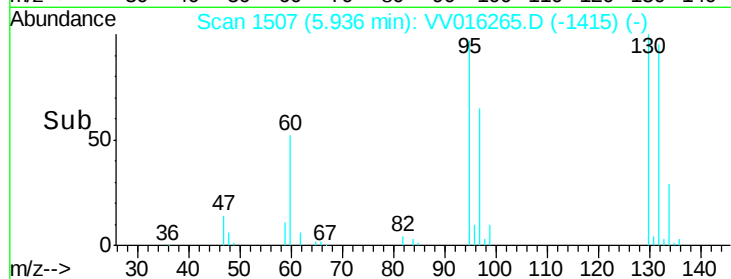
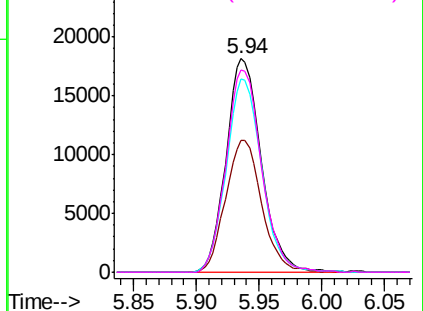


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.079 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

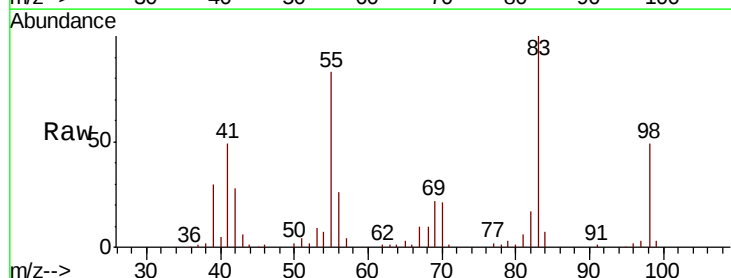
Tgt Ion: 83 Resp: 58584

Ion Ratio Lower Upper

83 100

55 83.1 65.4 98.0

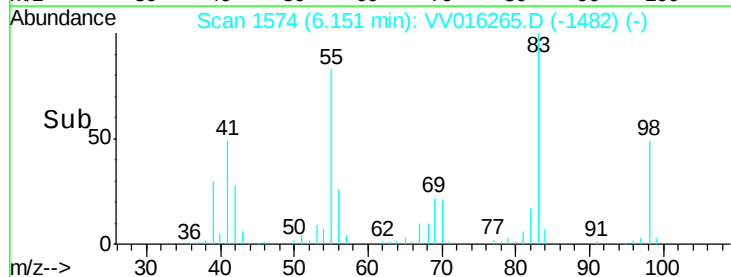
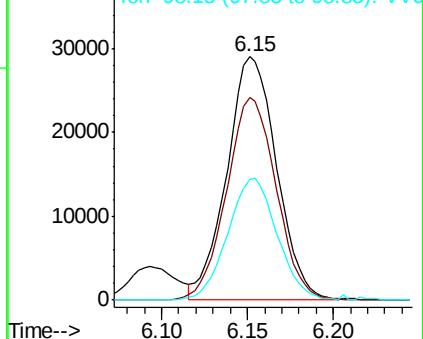
98 49.5 39.3 58.9

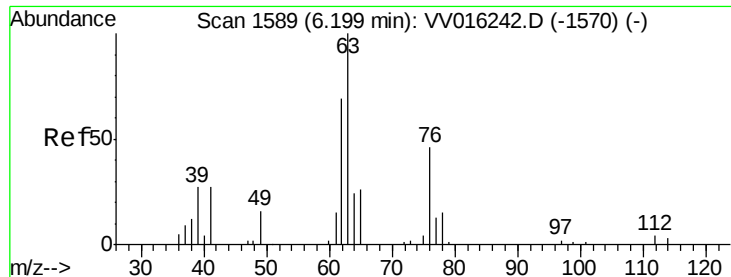


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

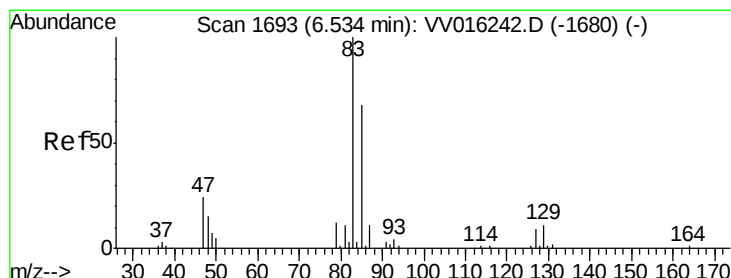
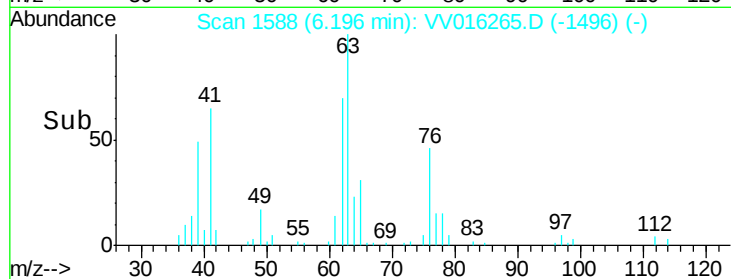
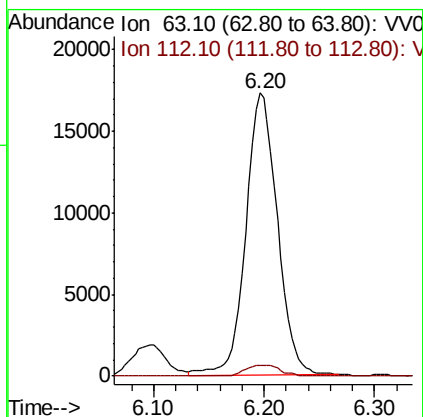
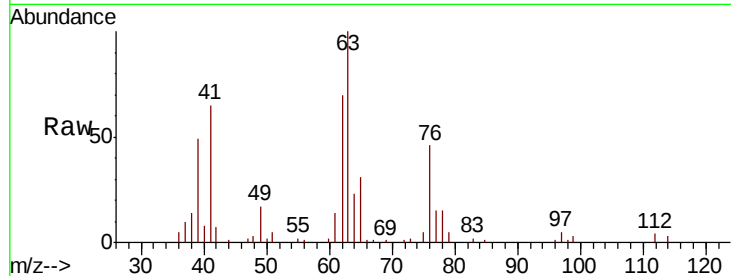




#37
 1,2-Dichloropropane
 Concen: 5.307 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

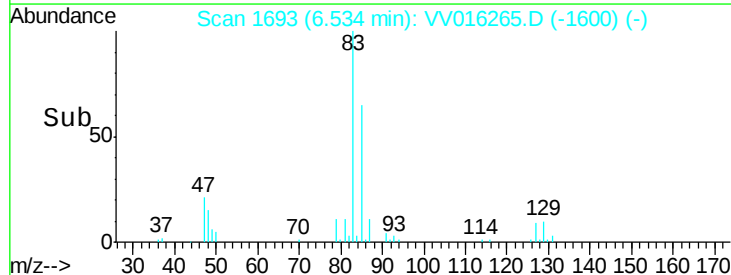
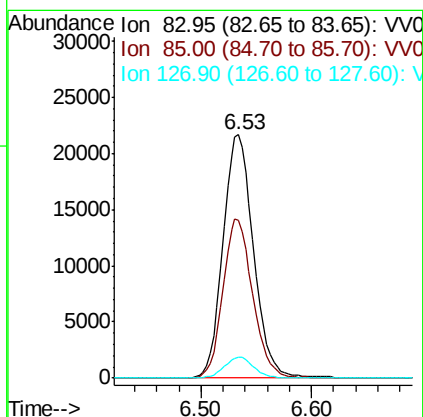
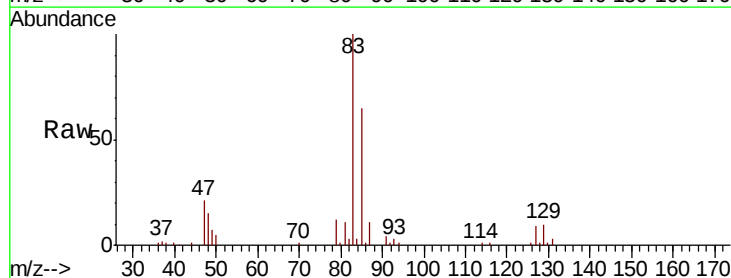
Instrument :
 MSVOA_V
 ClientSampleId :

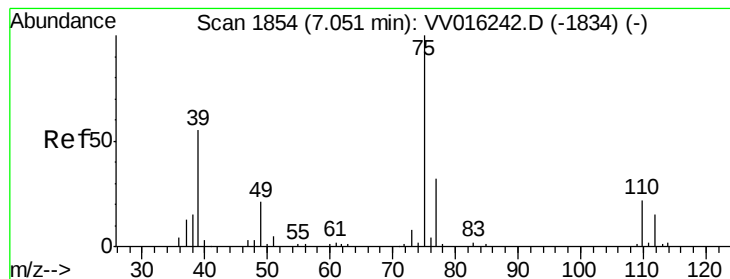
Tot Ion: 63 Resp: 34169
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.237 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Tgt Ion: 83 Resp: 41490
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.2 82.2
 127 8.6 7.1 10.7



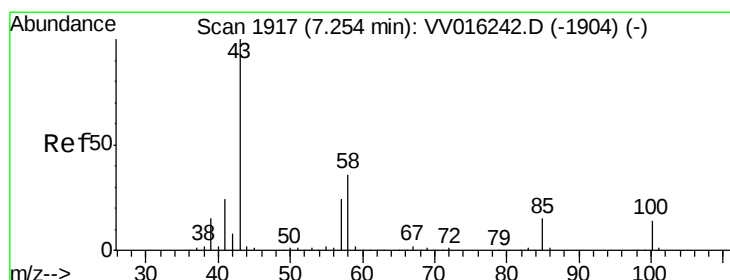
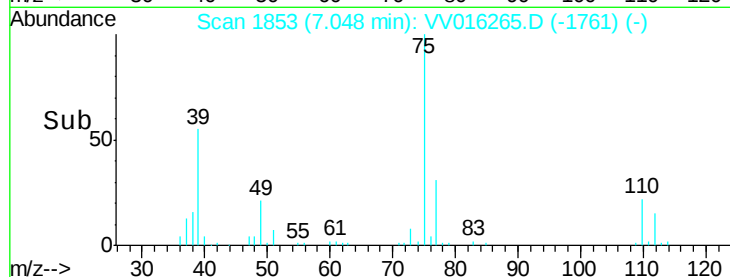
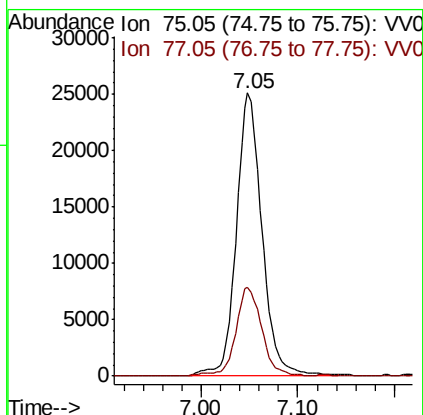
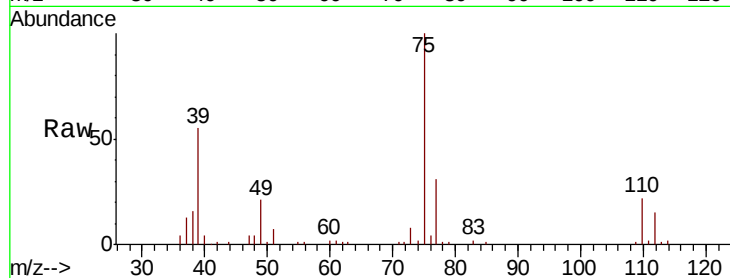


#39

cis-1,3-Dichloropropene
Concen: 5.071 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Instrument :
MSVOA_V
ClientSampled :

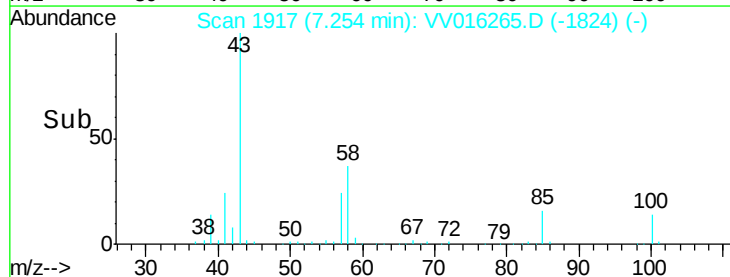
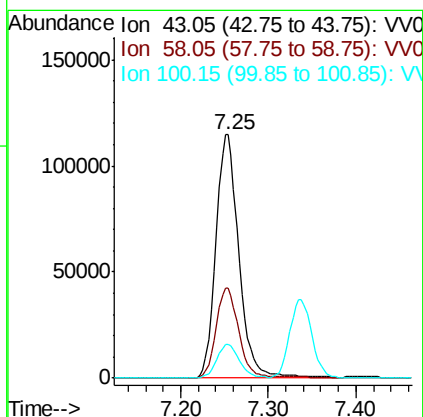
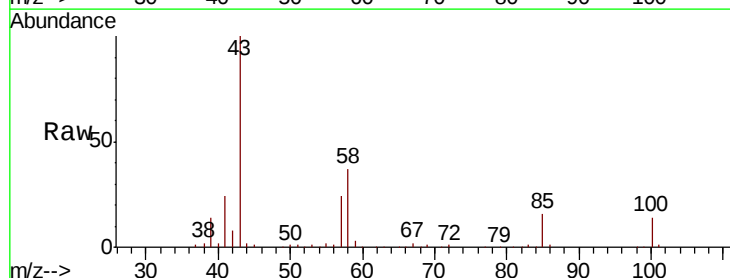
Tot Ion: 75 Resp: 46242
Ion Ratio Lower Upper
75 100
77 31.5 21.7 40.3

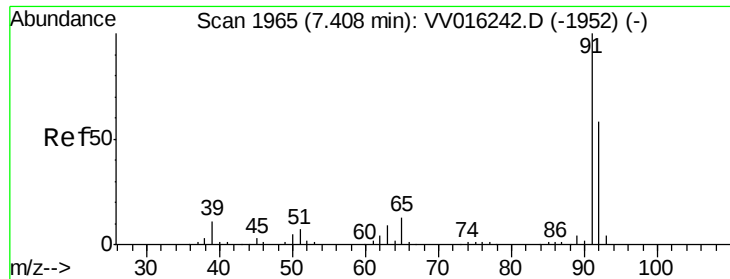


#40

4-Methyl-2-pentanone
Concen: 52.339 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion: 43 Resp: 209671
Ion Ratio Lower Upper
43 100
58 36.3 29.5 44.3
100 13.7 11.1 16.7





#42

Toluene

Concen: 5.180 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

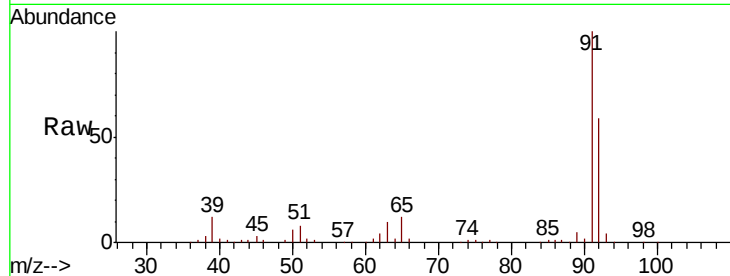
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 148289

Ion Ratio Lower Upper

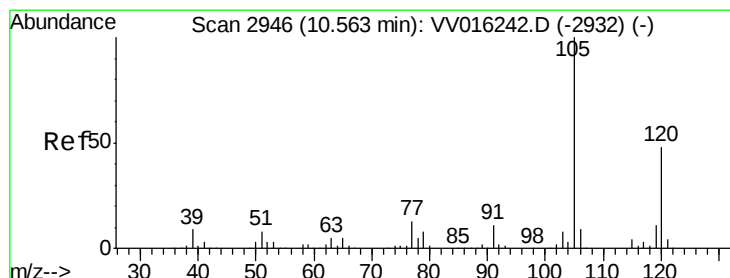
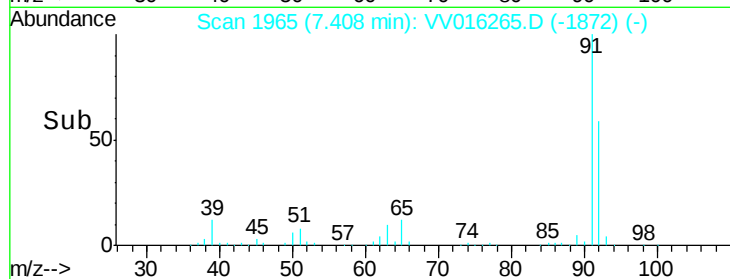
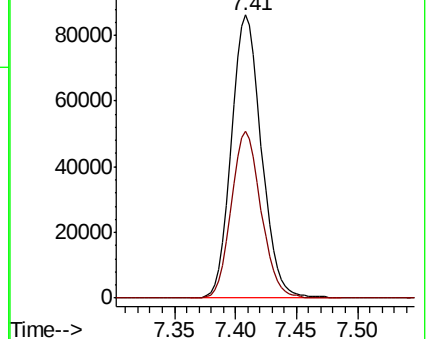
91 100

92 58.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016242.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016242.D (-1952) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.196 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016265.D

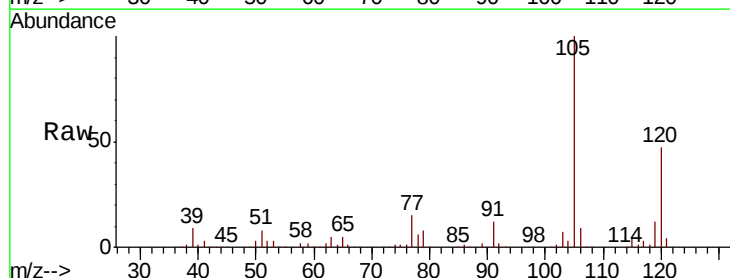
Acq: 28 May 2020 10:15

Tgt Ion:105 Resp: 135422

Ion Ratio Lower Upper

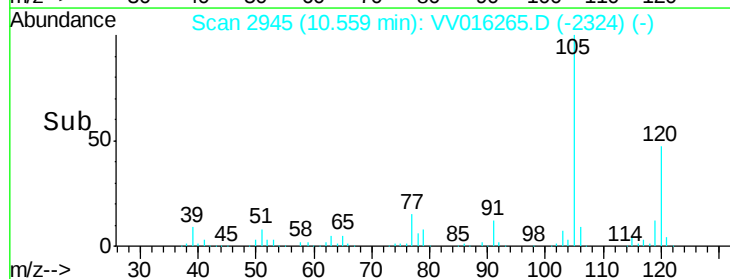
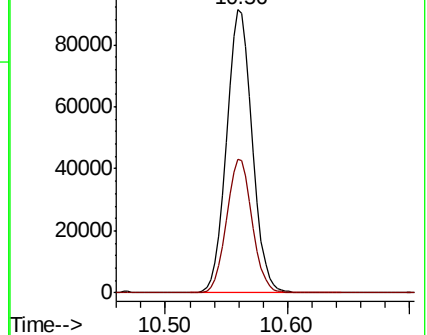
105 100

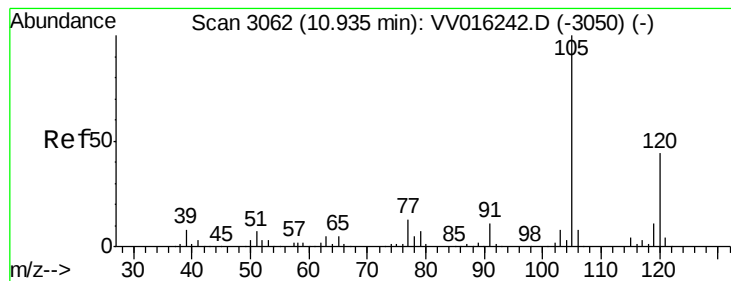
120 47.0 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016242.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016242.D (-2932) (-)





#44

1,2,4-Trimethylbenzene

Concen: 5.234 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

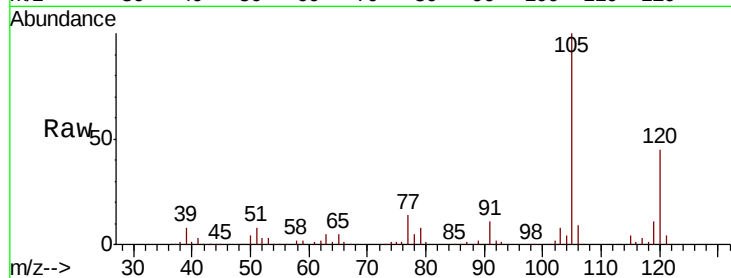
ClientSampled :

Tot Ion:105 Resp: 140493

Ion Ratio Lower Upper

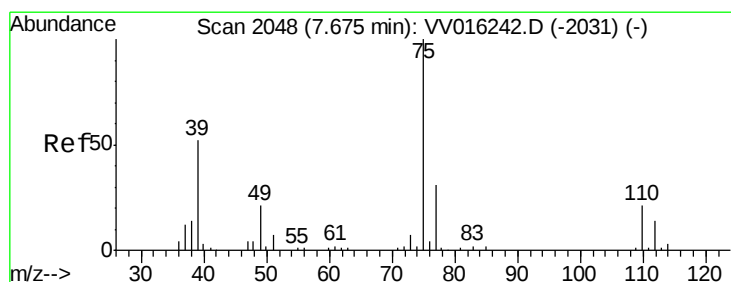
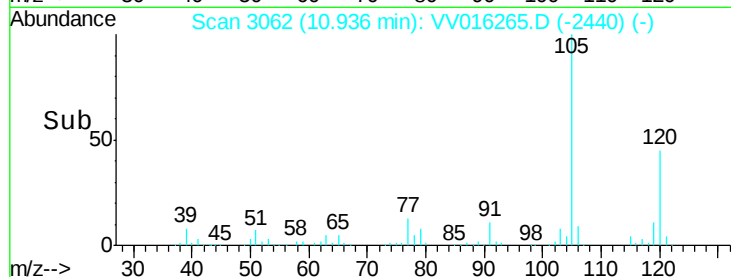
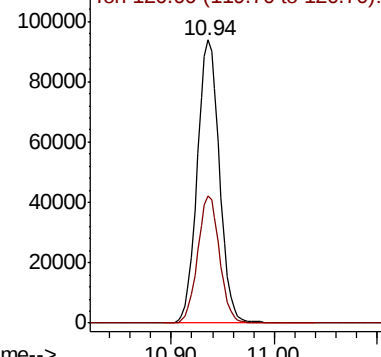
105 100

120 44.2 34.6 52.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 5.077 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016265.D

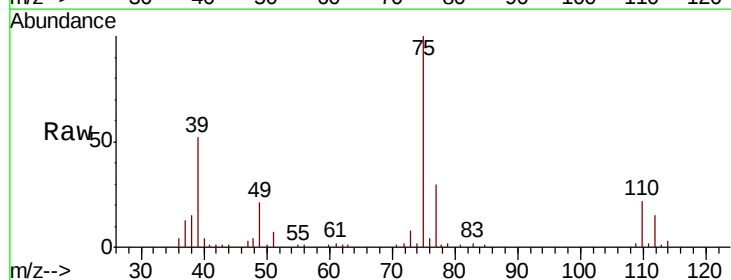
Acq: 28 May 2020 10:15

Tgt Ion: 75 Resp: 38466

Ion Ratio Lower Upper

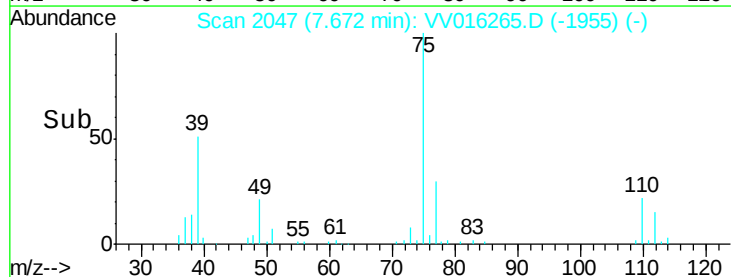
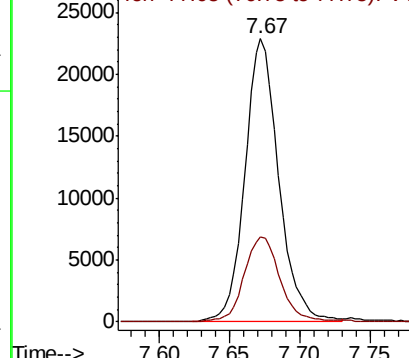
75 100

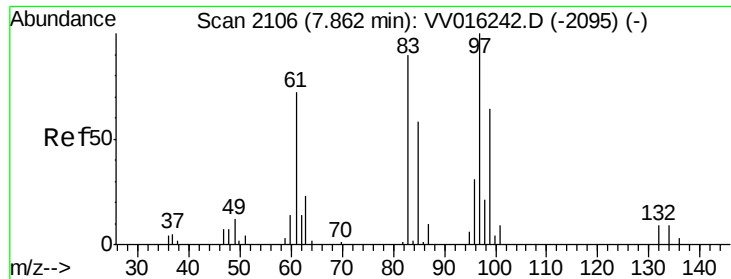
77 29.9 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

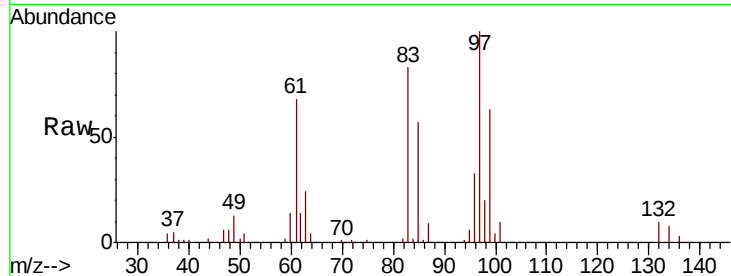




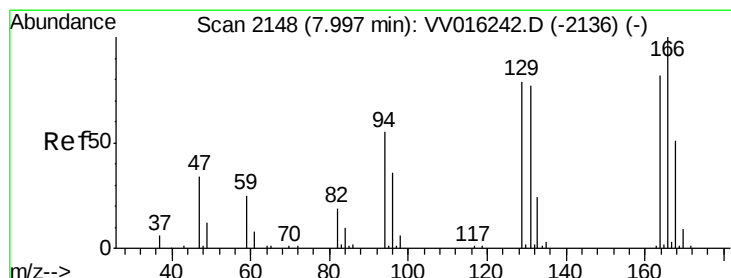
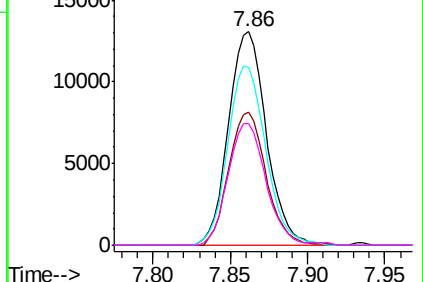
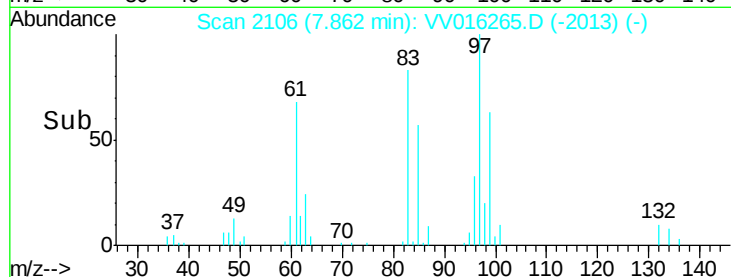
#47
 1,1,2-Trichloroethane
 Concen: 5.244 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	22210
Ion	Ratio	Lower	Upper
97	100		
99	62.5	40.8	75.8
83	83.4	60.0	111.4
85	57.0	39.3	73.1

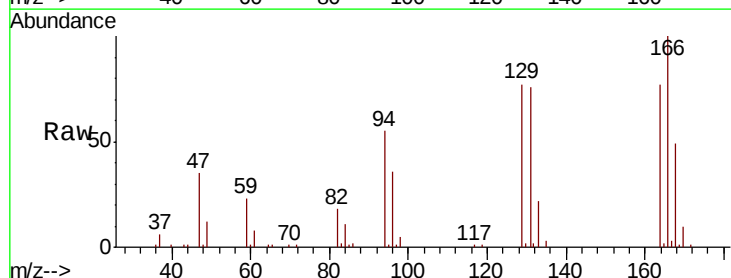


Abundance Ion 96.95 (96.65 to 97.65): VV016265.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016265.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016265.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016265.D (-2013) (-)

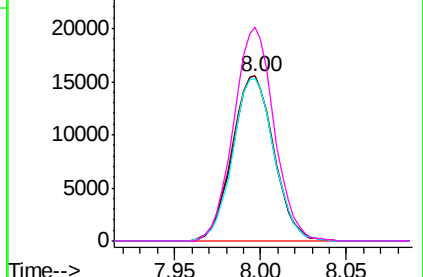
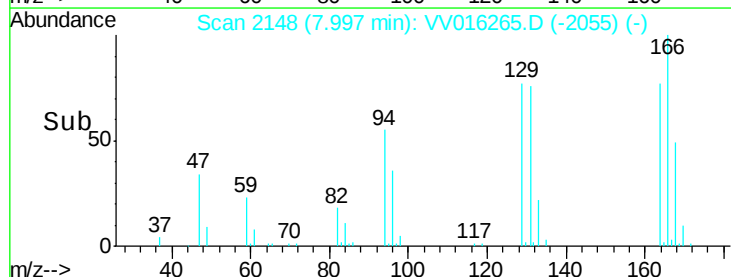


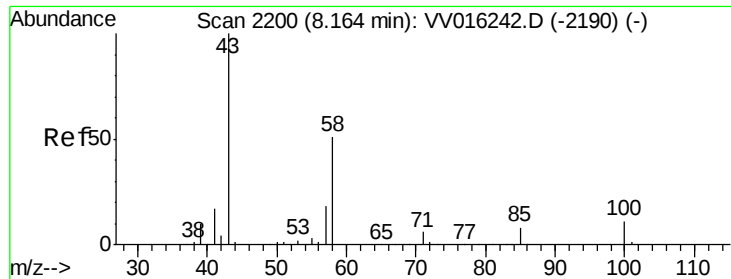
#49
 Tetrachloroethene
 Concen: 5.267 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Tgt Ion:	164	Resp:	25862
Ion	Ratio	Lower	Upper
164	100		
129	100.1	70.7	131.3
131	98.9	66.6	123.8
166	129.5	86.9	161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016265.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016265.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016265.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016265.D (-2055) (-)

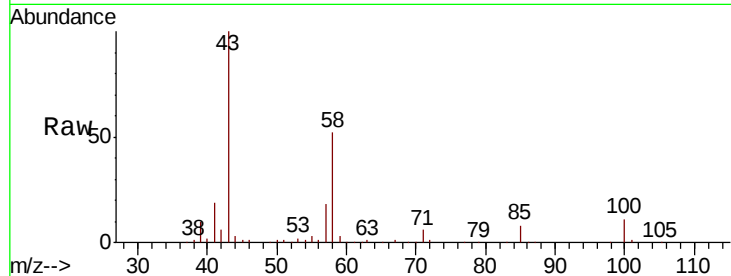




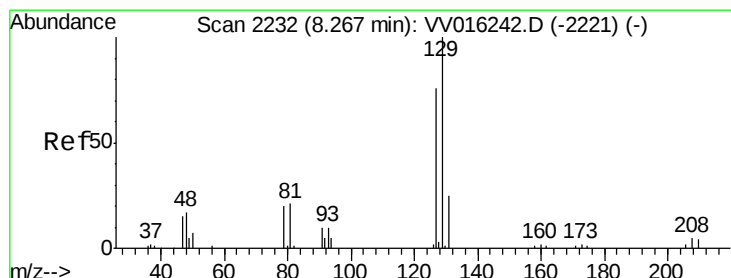
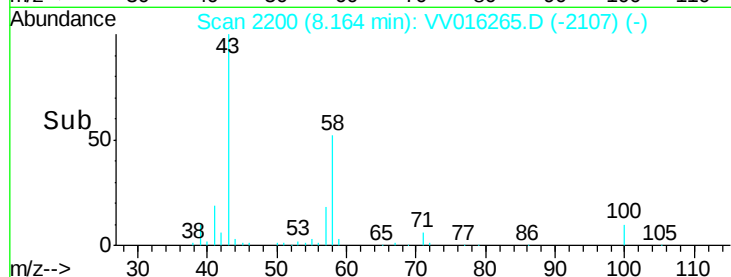
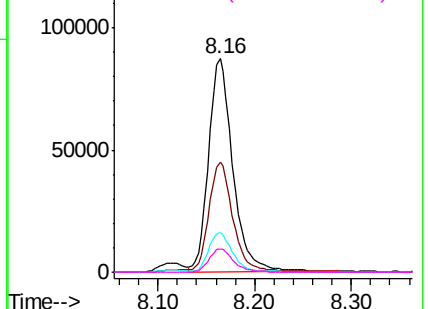
#50
2-Hexanone
Concen: 54.433 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 152071
Ion Ratio Lower Upper
43 100
58 51.3 41.4 62.0
57 18.4 15.0 22.4
100 11.0 9.0 13.4

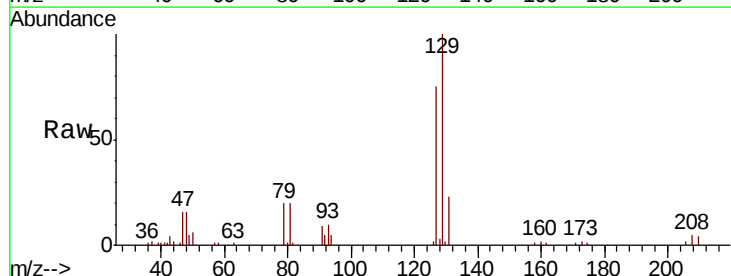


Abundance Ion 43.05 (42.75 to 43.75): VV016265.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV016265.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV016265.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV016265.D (-2107) (-)

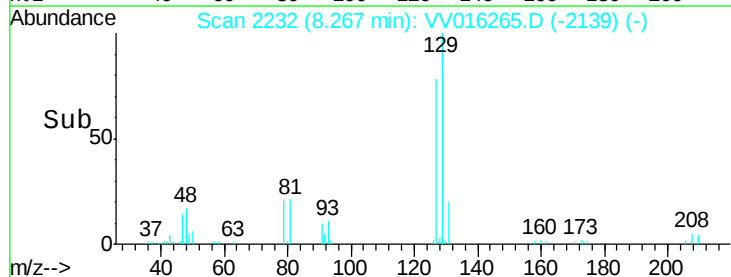
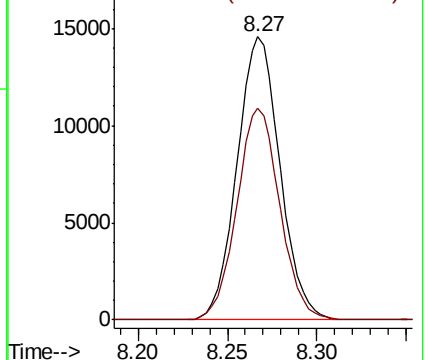


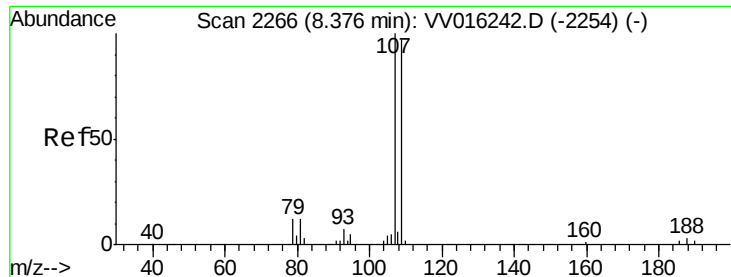
#51
Dibromochloromethane
Concen: 5.456 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion: 129 Resp: 24473
Ion Ratio Lower Upper
129 100
127 74.9 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV016265.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016265.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.133 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

ClientSampleId :

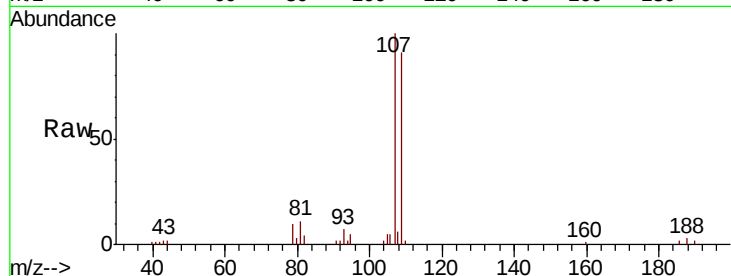
Tot Ion:107 Resp: 20425

Ion Ratio Lower Upper

107 100

109 91.2 63.1 117.3

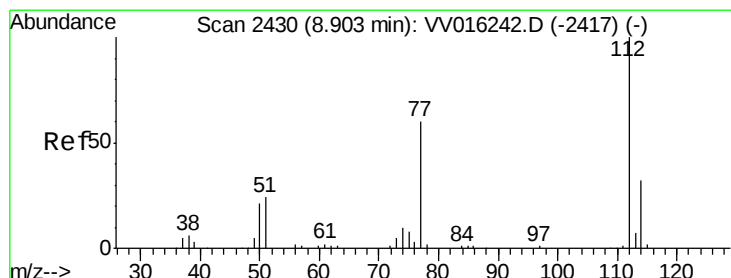
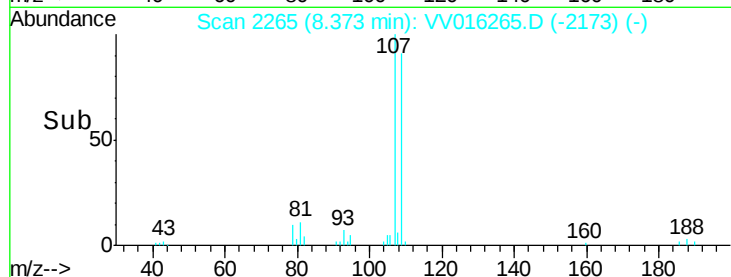
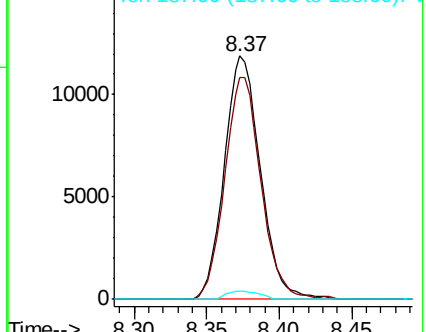
188 3.3 2.6 4.0



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: 5.174 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

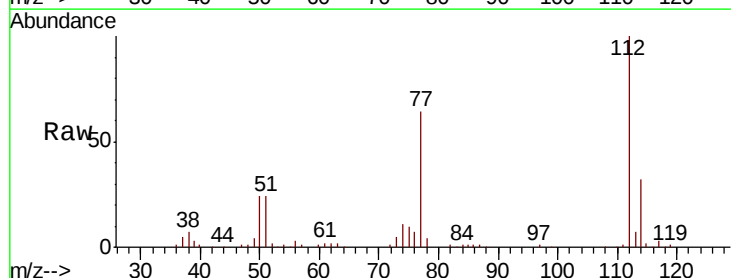
Tgt Ion:112 Resp: 91537

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

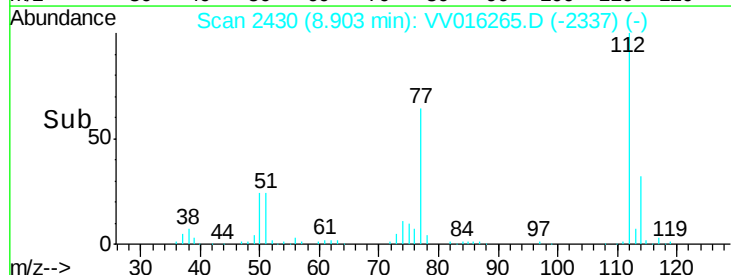
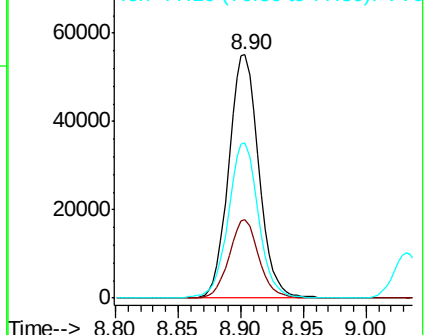
77 63.5 50.7 76.1

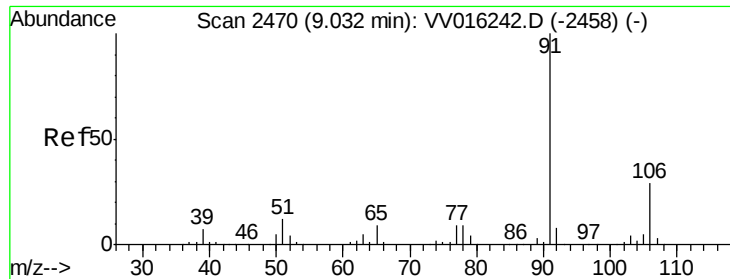


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.273 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

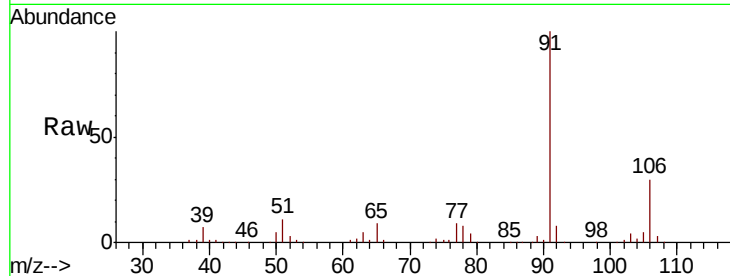
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 168282

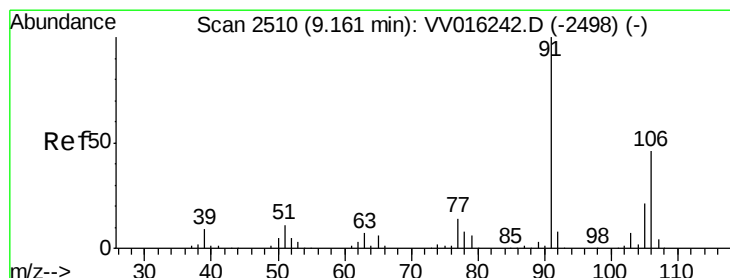
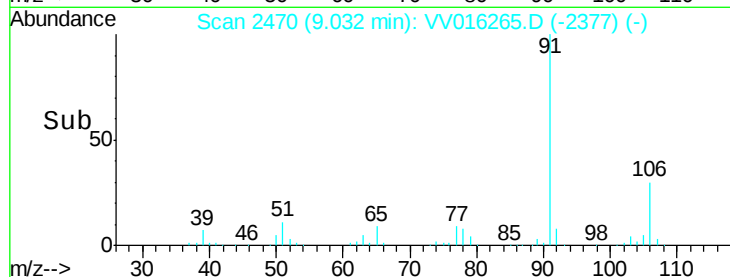
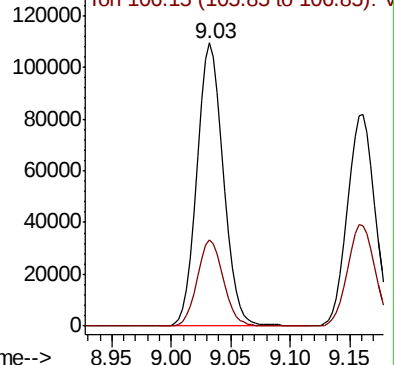
Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016265.D (-2377) (-)



#55

m,p-xylene

Concen: 5.318 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016265.D

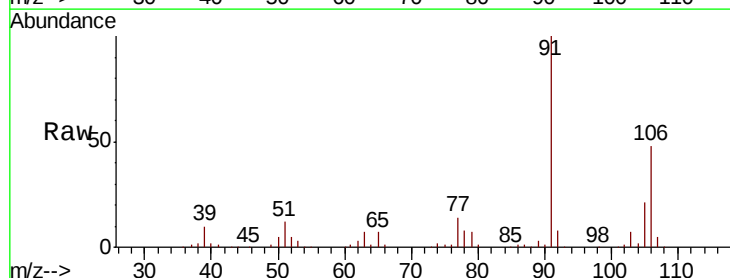
Acq: 28 May 2020 10:15

Tgt Ion: 106 Resp: 63633

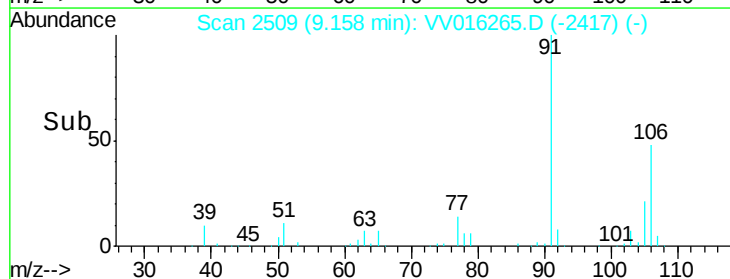
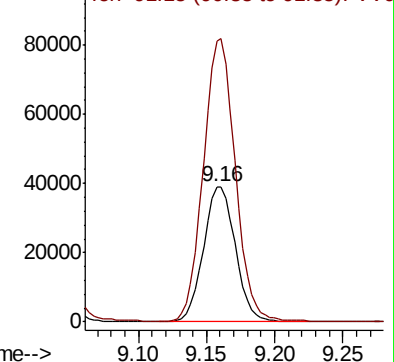
Ion Ratio Lower Upper

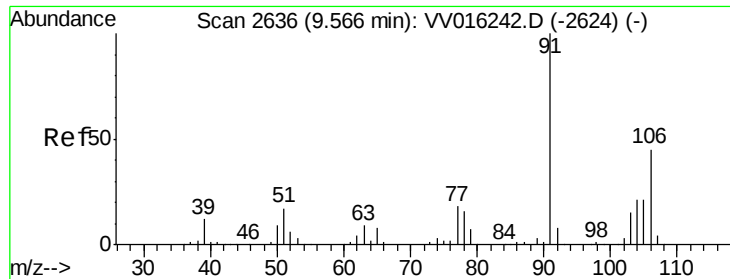
106 100

91 207.5 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016265.D (-2417) (-)

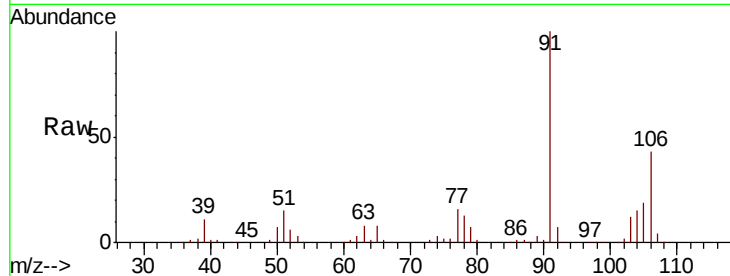




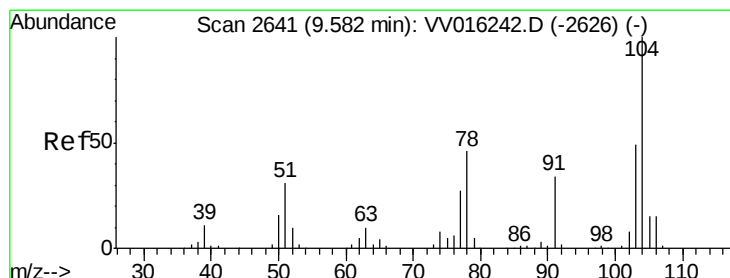
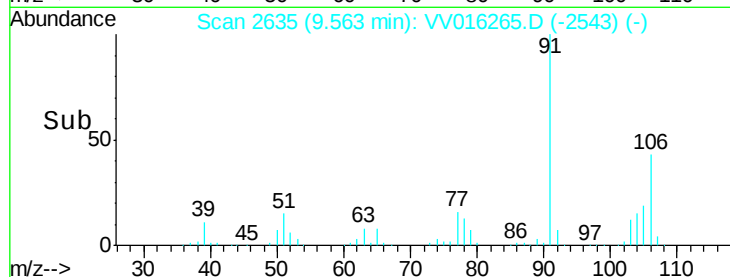
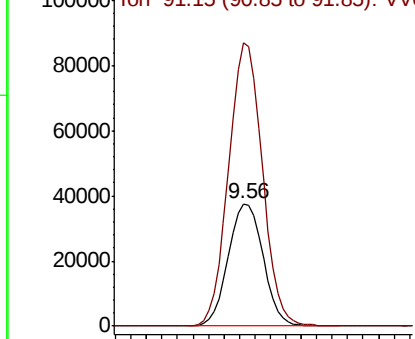
#56
o-xylene
Concen: 5.146 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 58682
Ion Ratio Lower Upper
106 100
91 231.2 158.8 294.8

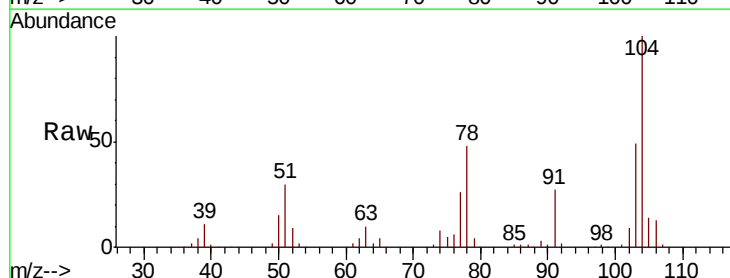


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

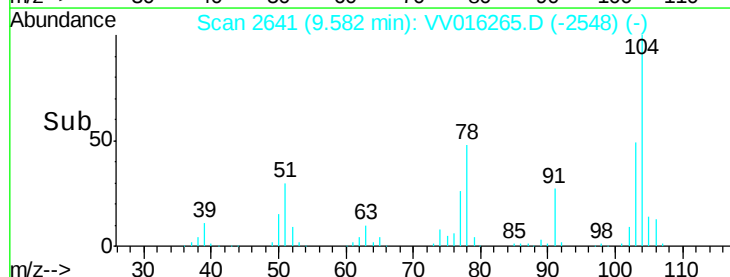
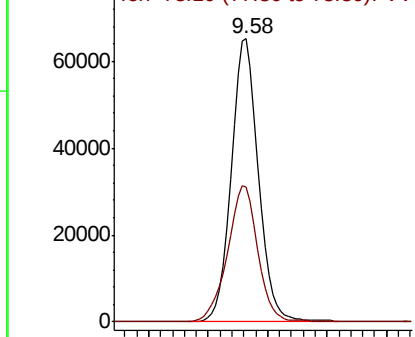


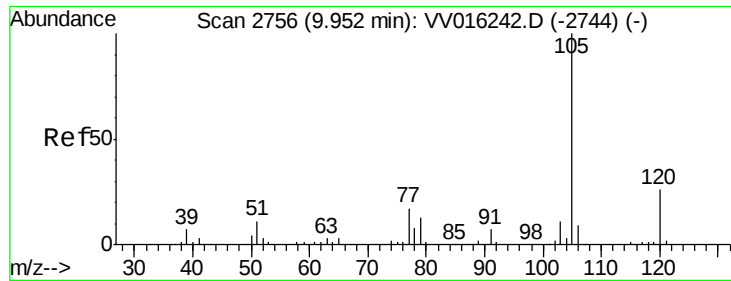
#57
Styrene
Concen: 5.415 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016265.D
Acq: 28 May 2020 10:15

Tgt Ion:104 Resp: 102759
Ion Ratio Lower Upper
104 100
78 47.6 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: 5.216 ug/L

RT: 9.95 min Scan# 2756

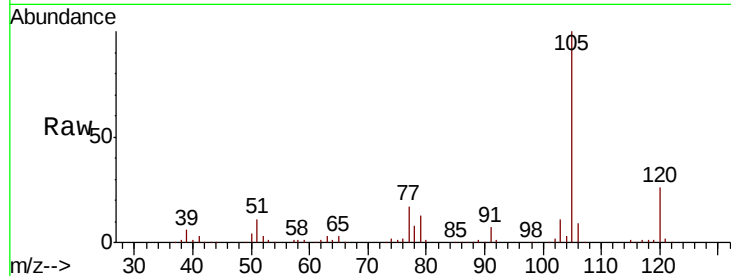
Delta R.T. 0.00 min

Lab File: VV016265.D

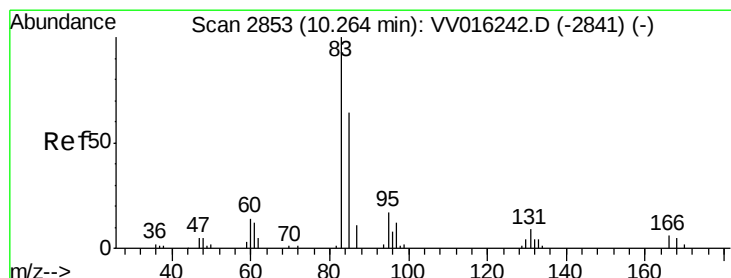
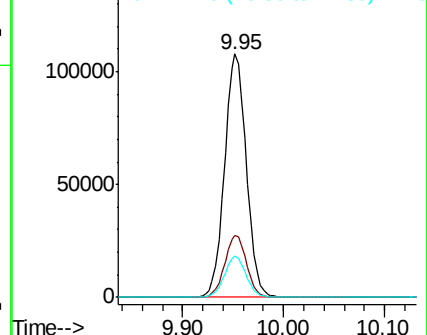
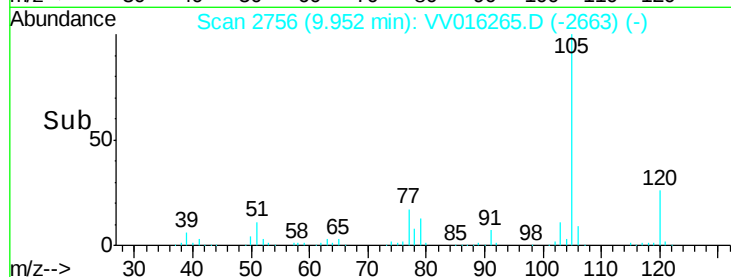
Acq: 28 May 2020 10:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	162930
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.9	31.3
77	16.9	13.9	20.9



Abundance Ion 105.05 (104.75 to 105.75): VV016265.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 5.222 ug/L

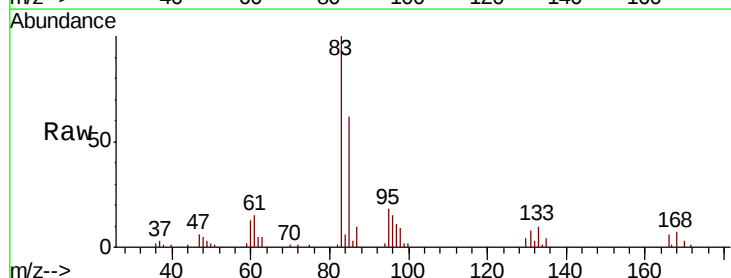
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

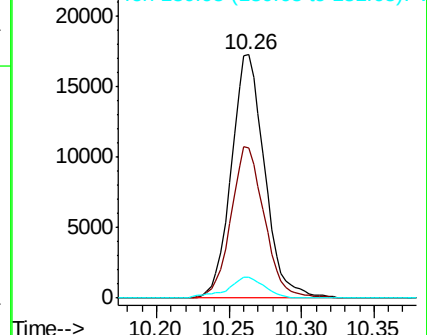
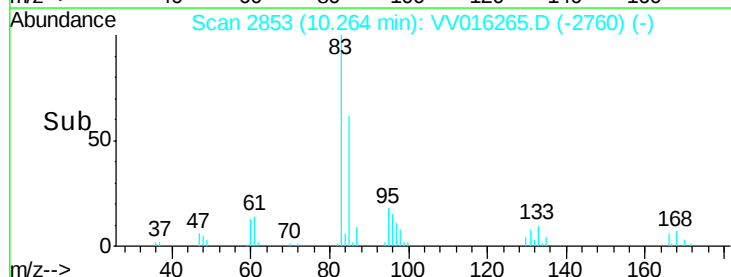
Lab File: VV016265.D

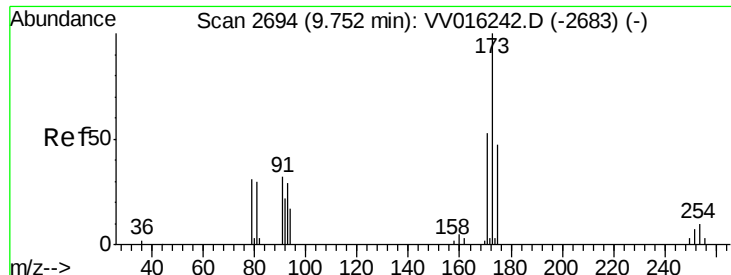
Acq: 28 May 2020 10:15

Tgt Ion:	83	Resp:	27494
Ion	Ratio	Lower	Upper
83	100		
85	61.8	45.6	84.8
131	8.3	7.9	11.9



Abundance Ion 82.95 (82.65 to 83.65): VV016265.D (-2760) (-)





#62

Bromoform

Concen: 5.663 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :
MSVOA_V
ClientSampleId :

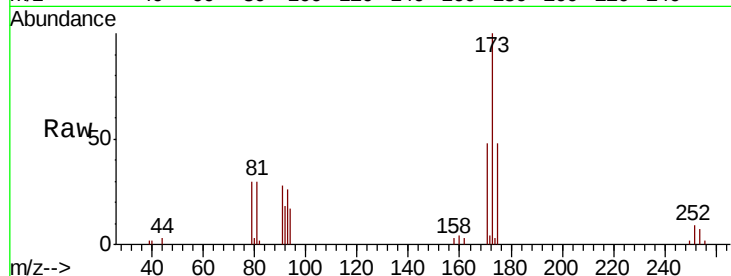
Tot Ion:173 Resp: 10873

Ion Ratio Lower Upper

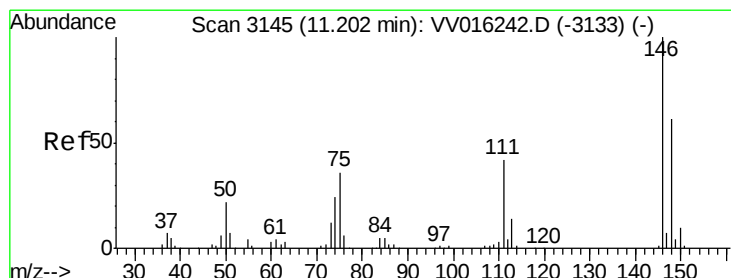
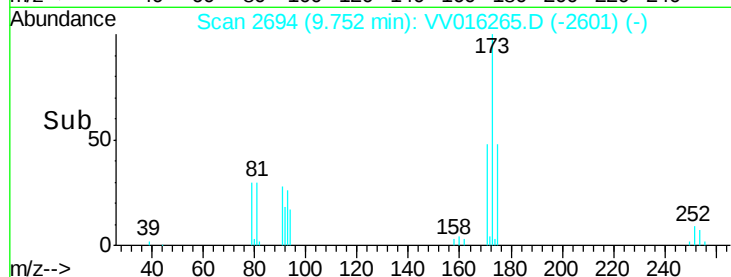
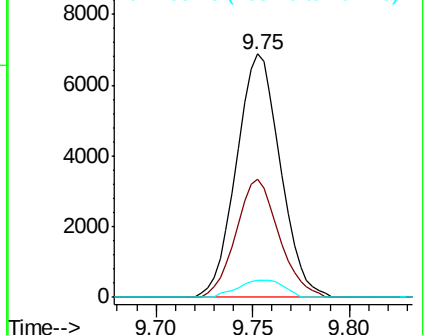
173 100

175 47.4 38.6 58.0

254 7.3 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: 5.266 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

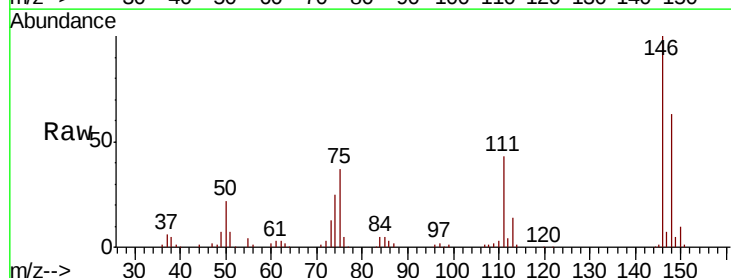
Tgt Ion:146 Resp: 71750

Ion Ratio Lower Upper

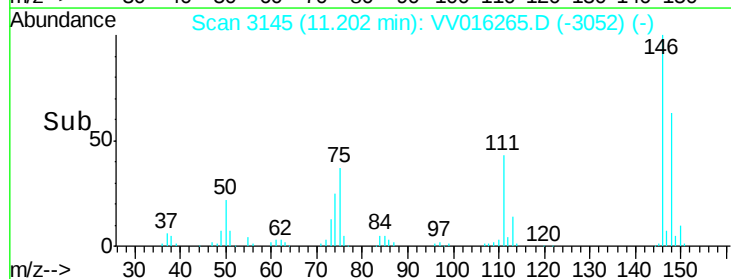
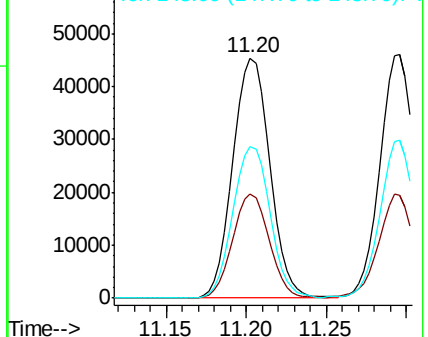
146 100

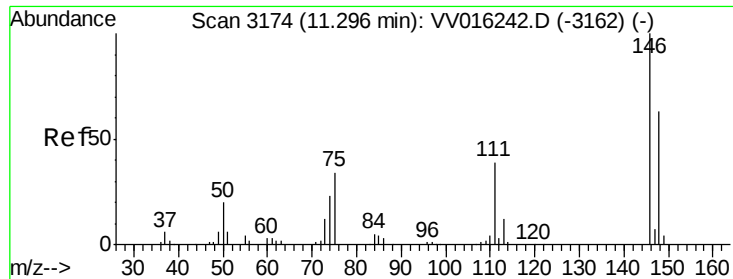
111 43.5 29.7 55.1

148 63.1 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: 5.202 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

ClientSampled :

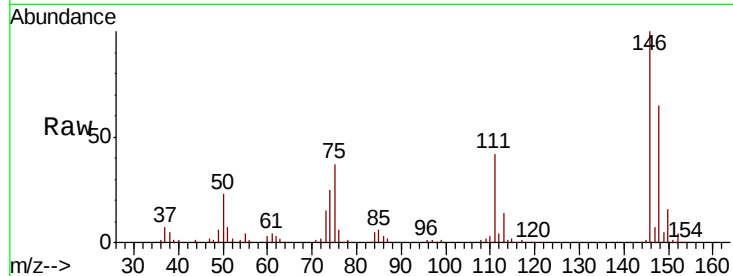
Tot Ion:146 Resp: 72024

Ion Ratio Lower Upper

146 100

111 42.4 28.3 52.7

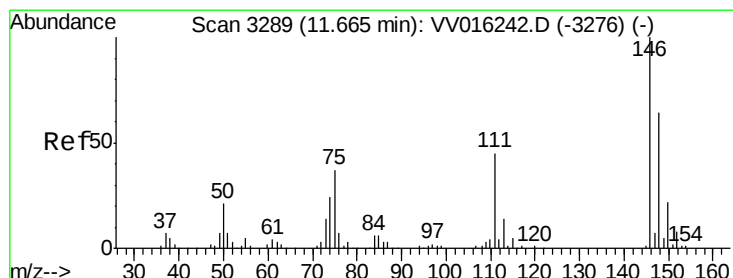
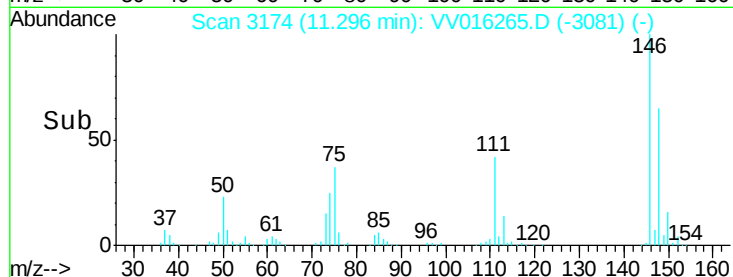
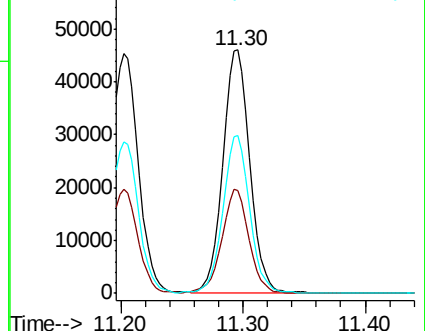
148 65.0 43.3 80.3



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: 5.242 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016265.D

Acq: 28 May 2020 10:15

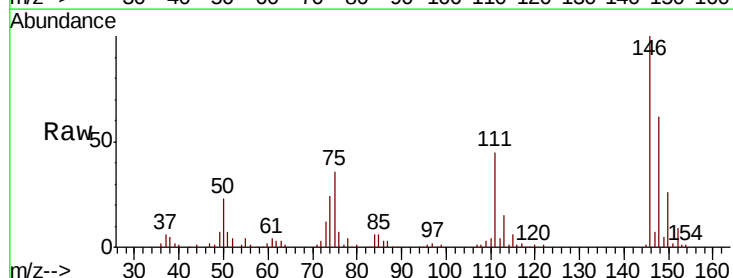
Tgt Ion:146 Resp: 64558

Ion Ratio Lower Upper

146 100

111 45.2 35.7 53.5

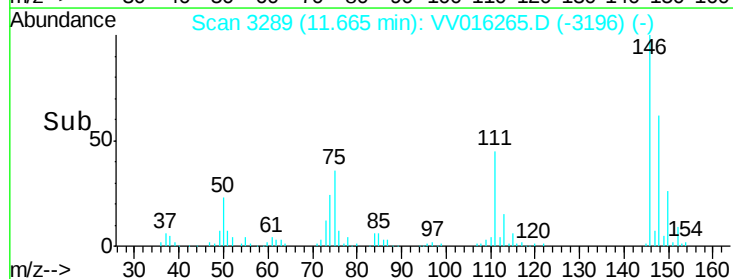
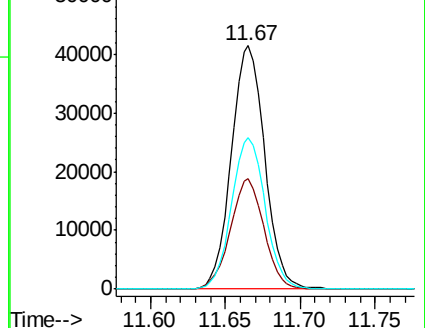
148 62.2 51.3 76.9

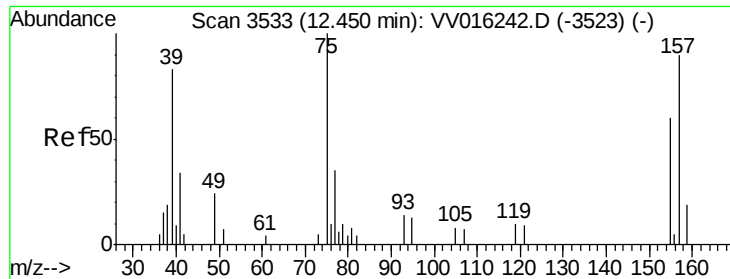


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

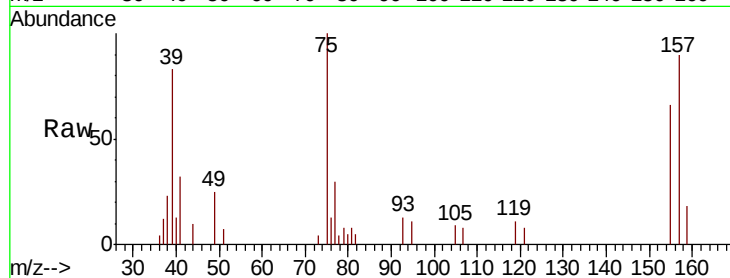




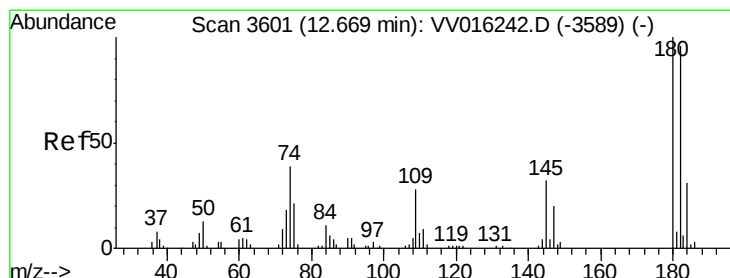
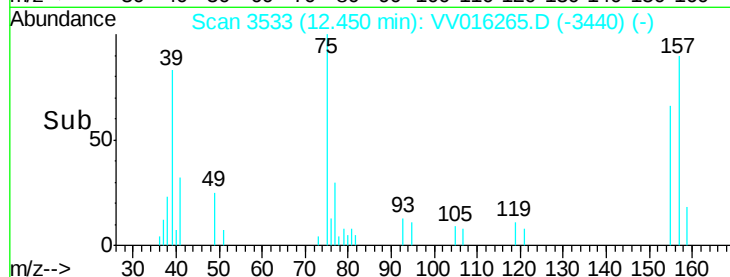
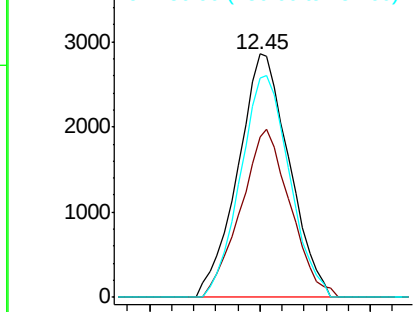
#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.536 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 4605
 Ion Ratio Lower Upper
 75 100
 155 66.0 56.2 84.4
 157 90.0 71.9 107.9

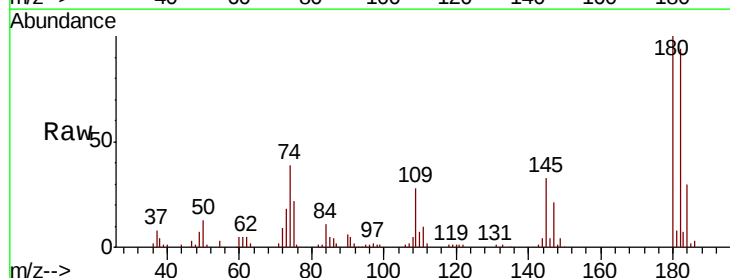


Abundance Ion 75.05 (74.75 to 75.75): VV016242.D (-3523) (-)
 Ion 154.95 (154.65 to 155.65): VV016242.D (-3523) (-)
 Ion 156.90 (156.60 to 157.60): VV016242.D (-3523) (-)

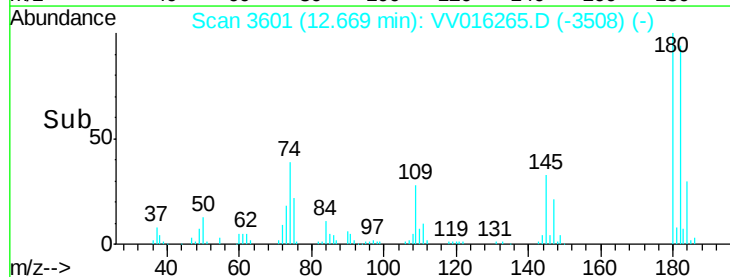
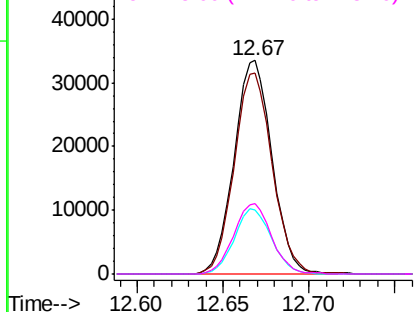


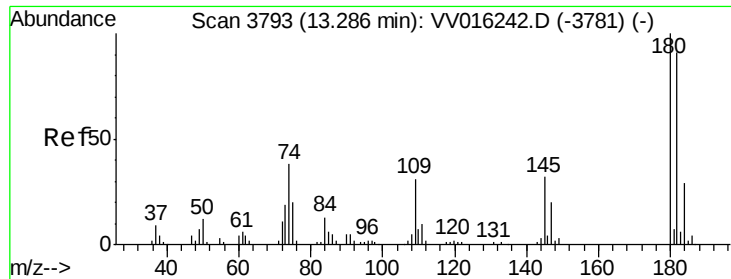
#68
 1,3,5-Trichlorobenzene
 Concen: 5.312 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Tgt Ion: 180 Resp: 51220
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.1 115.7
 184 29.9 25.0 37.4
 145 32.9 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016242.D (-3589) (-)
 Ion 182.00 (181.70 to 182.70): VV016242.D (-3589) (-)
 Ion 184.00 (183.70 to 184.70): VV016242.D (-3589) (-)
 Ion 145.00 (144.70 to 145.70): VV016242.D (-3589) (-)

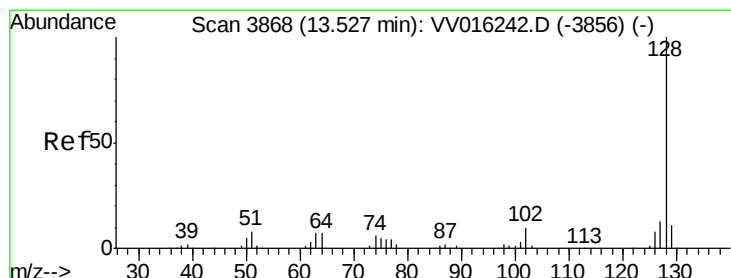
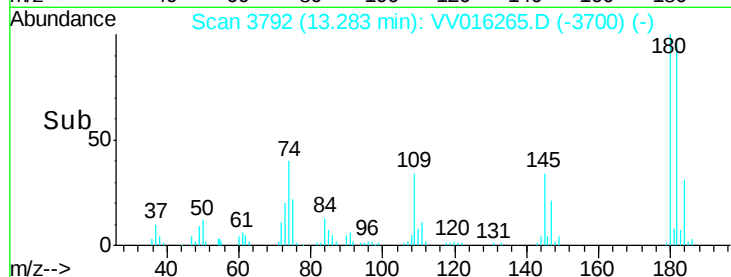
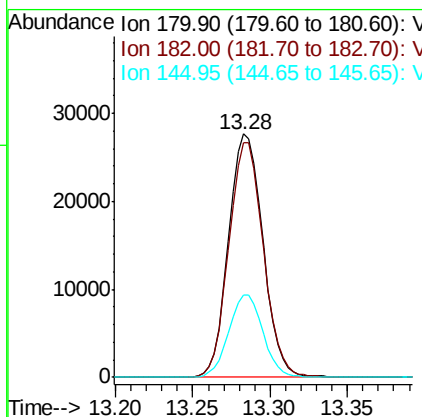
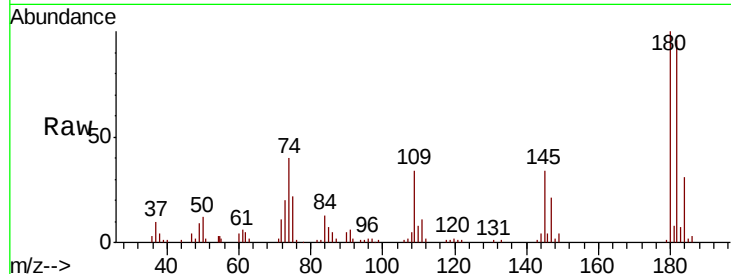




#69
 1,2,4-trichlorobenzene
 Concen: 5.036 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

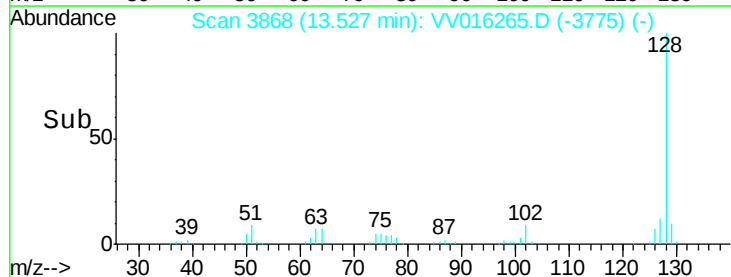
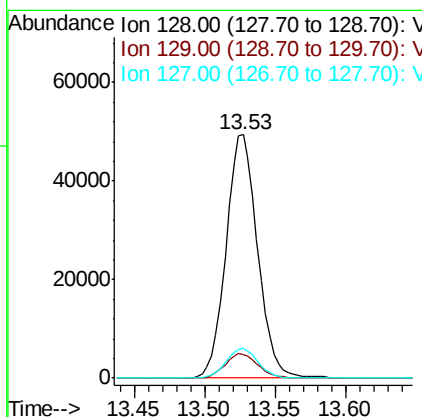
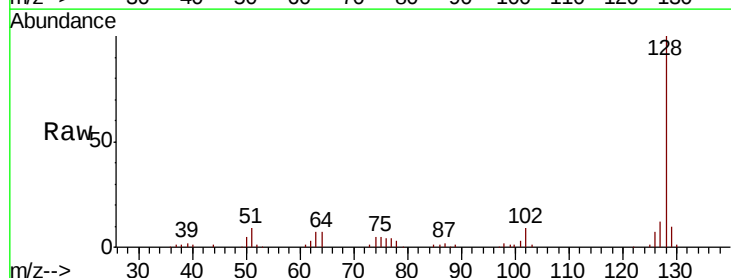
Instrument :
 MSVOA_V
 ClientSampleId :

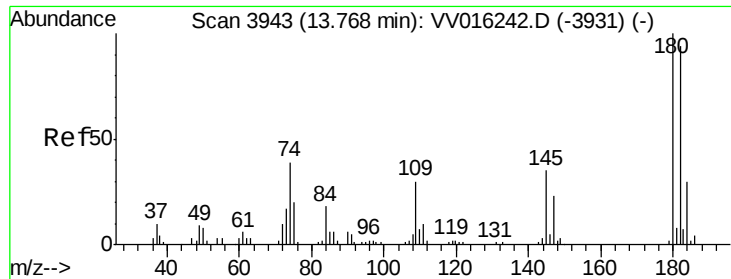
Tot Ion:180 Resp: 42635
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.0 112.4
 145 33.7 27.1 40.7



#70
 Naphthalene
 Concen: 4.169 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016265.D
 Acq: 28 May 2020 10:15

Tgt Ion:128 Resp: 77120
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.6 13.0
 127 12.3 10.6 15.8





#71

1,2,3-Trichlorobenzene

Concen: 5.050 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

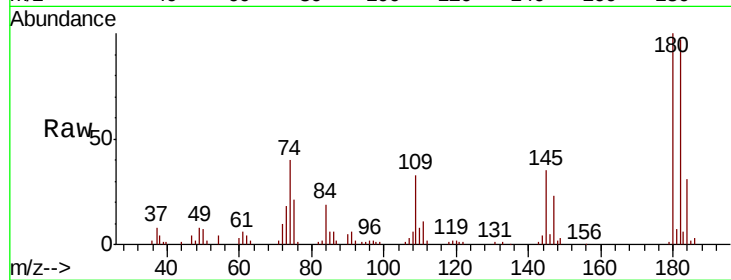
Lab File: VV016265.D

Acq: 28 May 2020 10:15

Instrument :

MSVOA_V

ClientSampleId :



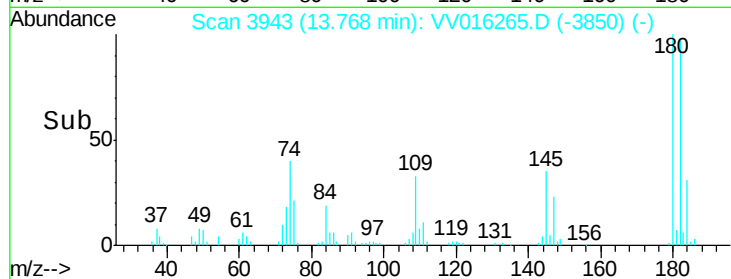
Tot Ion:180 Resp: 38560

Ion Ratio Lower Upper

180 100

182 96.0 77.1 115.7

145 34.9 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

