

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052120\
 Data File : VV016145.D
 Acq On : 21 May 2020 09:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 01:30:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	160341	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155765	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81504	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36155	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	40027	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.12	63	93497	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	3.95	46	152575	61.49	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.98%
24) Chloroform-d	4.37	84	83369	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.06	65	55970	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.07	84	188071	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.09	67	60442	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.34	98	174803	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
45) trans-1,3-Dichloropropene-	7.64	79	21515	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
48) 2-Hexanone-d5	8.11	63	126534	64.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.74%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	46516	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66511	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58371	4.751	ug/L 100
3) Chloromethane	1.25	50	56404	4.535	ug/L 98
5) Vinyl chloride	1.32	62	58004	4.876	ug/L 99
6) Bromomethane	1.53	94	24143	3.576	ug/L 97
8) Chloroethane	1.60	64	36542	4.312	ug/L 95
9) Trichlorofluoromethane	1.76	101	83926	5.144	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	53307	5.784	ug/L 99
12) 1,1-Dichloroethene	2.13	96	48446	5.490	ug/L 82
13) Acetone	2.24	43	86609	52.913	ug/L 69
14) Carbon disulfide	2.31	76	132723	4.556	ug/L 99
15) Methyl Acetate	2.47	43	20215	5.344	ug/L 99
16) Methylene chloride	2.52	84	52358	4.959	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	120264	5.245	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	51242	5.255	ug/L 98
19) 1,1-Dichloroethane	3.21	63	98935	5.268	ug/L 98
21) 2-Butanone	4.03	43	136826	54.890	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	53545	5.245	ug/L 99

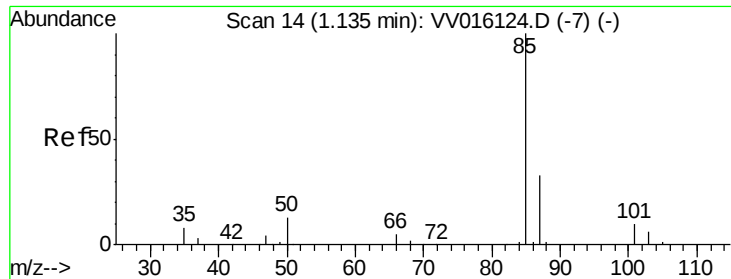
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052120\
 Data File : VV016145.D
 Acq On : 21 May 2020 09:35
 Operator : SY/MD
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :

Quant Time: May 22 01:30:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	22604	5.188	ug/L	97
25) Chloroform	4.40	83	120455	5.823	ug/L	96
27) 1,2-Dichloroethane	5.15	62	65558	5.158	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	90627	5.276	ug/L	99
30) Cyclohexane	4.70	56	88393	5.135	ug/L	99
31) Carbon tetrachloride	4.85	117	74664	5.037	ug/L	99
33) Benzene	5.12	78	208098	5.310	ug/L	100
34) Trichloroethene	5.94	95	54734	4.893	ug/L	93
35) Methylcyclohexane	6.15	83	87910	5.196	ug/L	97
37) 1,2-Dichloropropane	6.20	63	53504	5.374	ug/L	99
38) Bromodichloromethane	6.53	83	67037	5.302	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	71352	5.070	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	344628	55.534	ug/L	100
42) Toluene	7.41	91	227427	5.475	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	216852	5.687	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	217983	5.720	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	59839	5.034	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	35204	5.295	ug/L	97
49) Tetrachloroethene	7.99	164	41796	5.355	ug/L	98
50) 2-Hexanone	8.16	43	248873	56.710	ug/L	100
51) Dibromochloromethane	8.27	129	38392	5.139	ug/L	98
52) 1,2-Dibromoethane	8.37	107	32767	5.314	ug/L	98
53) Chlorobenzene	8.90	112	147096	5.506	ug/L	99
54) Ethylbenzene	9.03	91	259814	5.500	ug/L	98
55) m,p-xylene	9.16	106	96795	5.534	ug/L	98
56) o-xylene	9.56	106	93831	5.611	ug/L	95
57) Styrene	9.58	104	161004	5.757	ug/L	97
58) Isopropylbenzene	9.95	105	258988	5.638	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	44395	6.248	ug/L	98
62) Bromoform	9.75	173	17584	4.696	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	118267	5.386	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	118501	5.371	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	106439	5.356	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7472	5.760	ug/L	85
68) 1,3,5-Trichlorobenzene	12.67	180	84865	5.286	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	71511	5.184	ug/L	98
70) Naphthalene	13.53	128	146812	6.691	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	64306	5.284	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.751 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

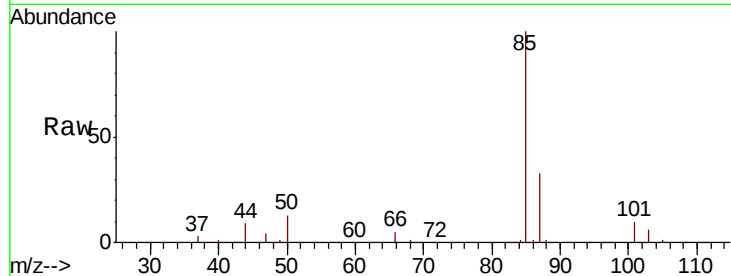
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58371

Ion Ratio Lower Upper

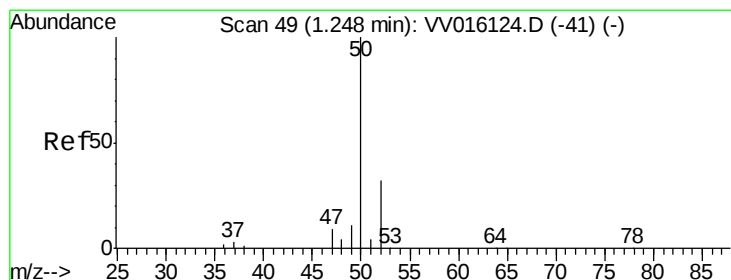
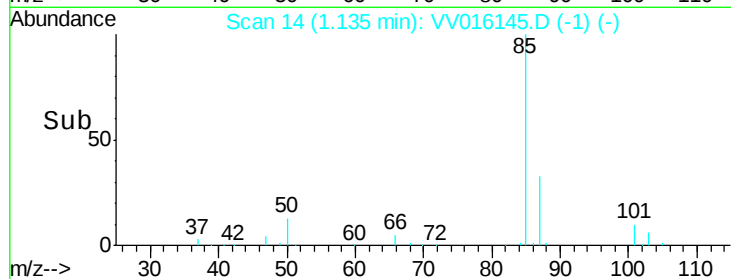
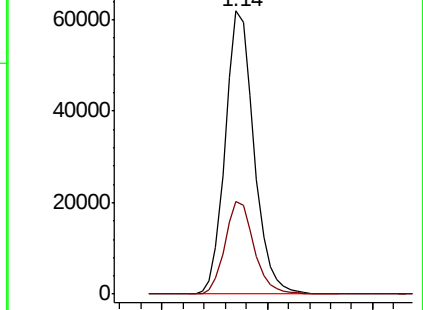
85 100

87 33.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016145.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016145.D (-1) (-)



#3

Chloromethane

Concen: 4.535 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016145.D

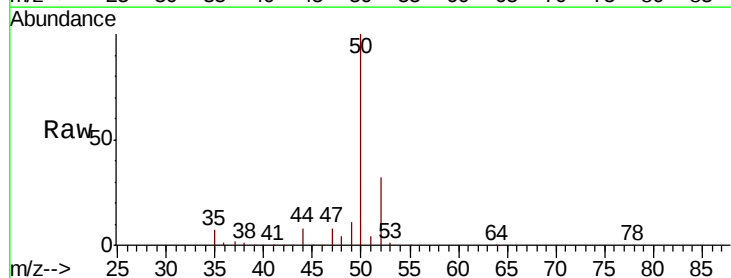
Acq: 21 May 2020 09:35

Tgt Ion: 50 Resp: 56404

Ion Ratio Lower Upper

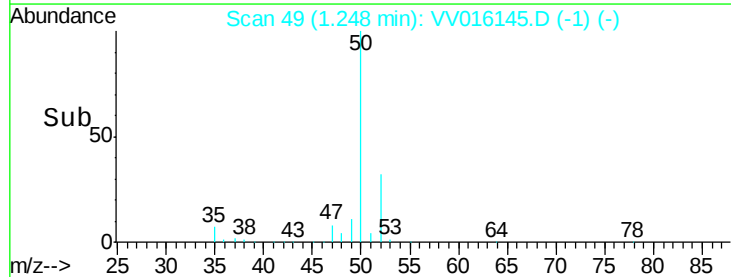
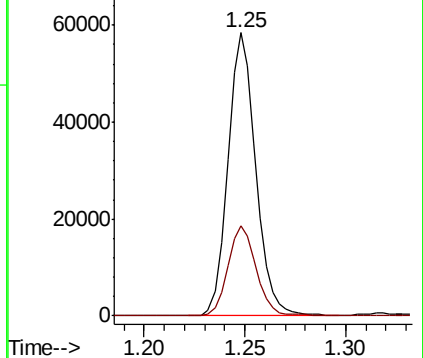
50 100

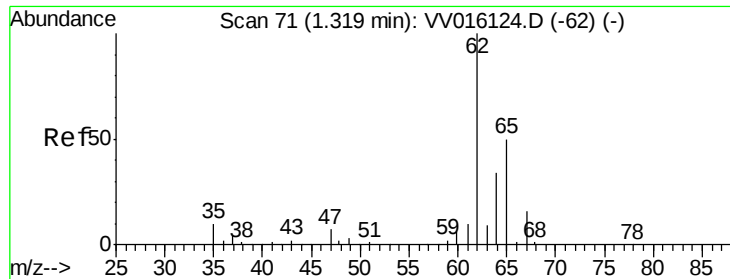
52 31.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV016145.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016145.D (-1) (-)





#5

Vinyl chloride

Concen: 4.876 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

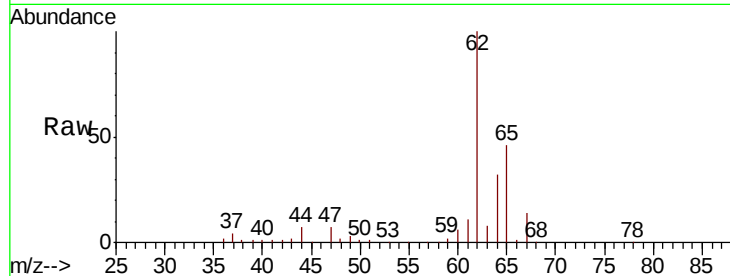
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 58004

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

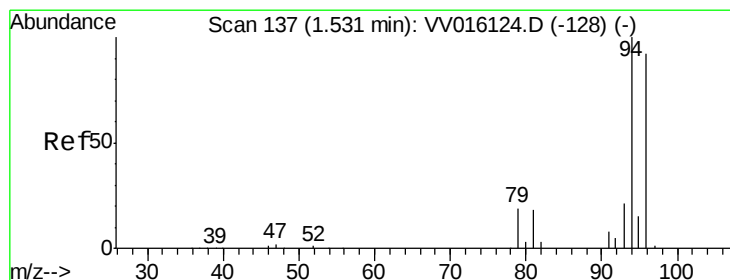
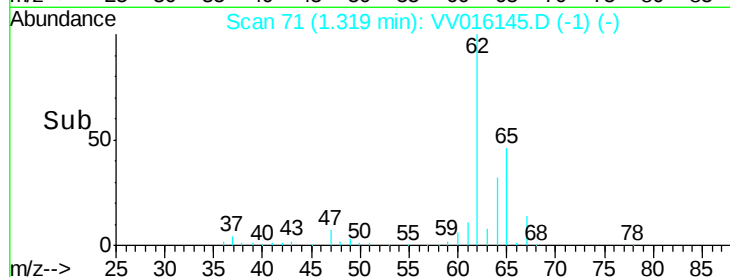
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 3.576 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016145.D

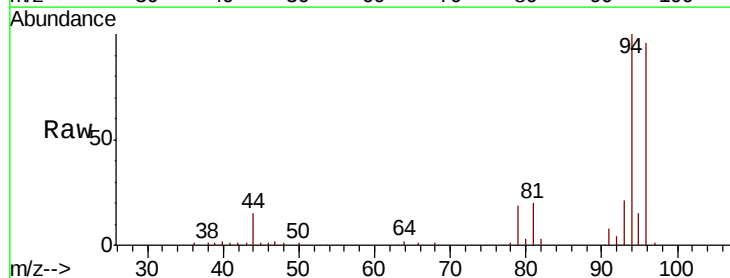
Acq: 21 May 2020 09:35

Tgt Ion: 94 Resp: 24143

Ion Ratio Lower Upper

94 100

96 95.8 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

25000

20000

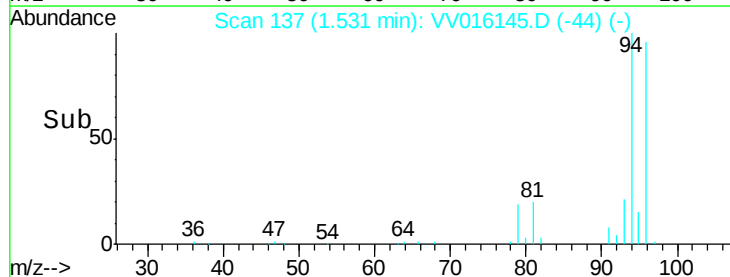
15000

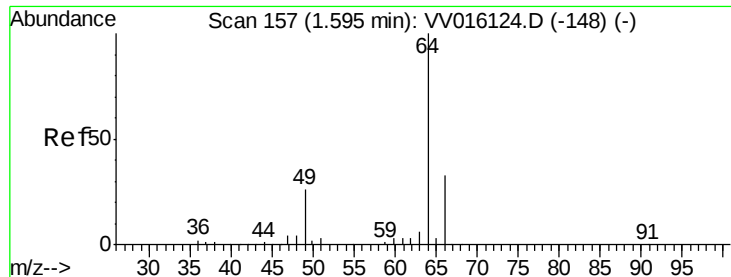
10000

5000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 4.312 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

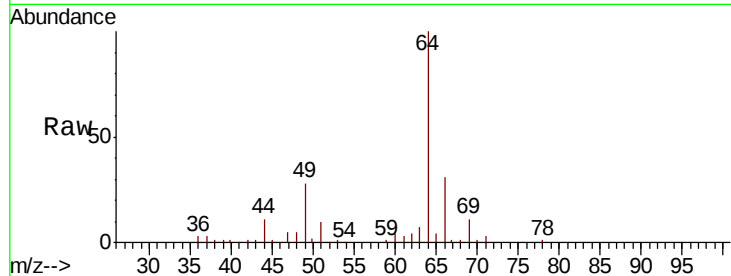
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 36542

Ion Ratio Lower Upper

64 100

66 31.1 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV016145.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016145.D (-64) (-)

1.60

30000

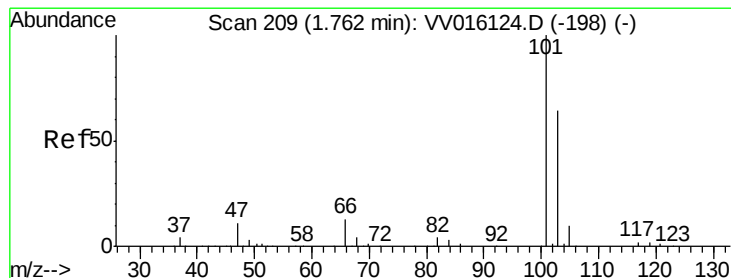
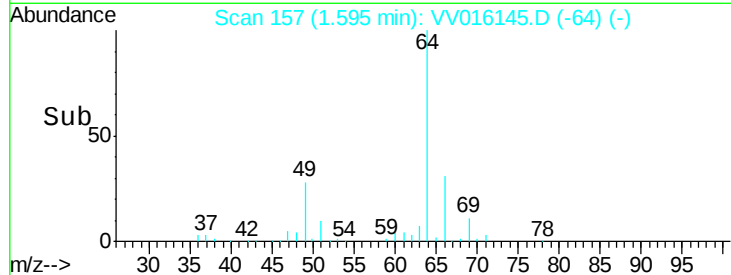
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.144 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016145.D

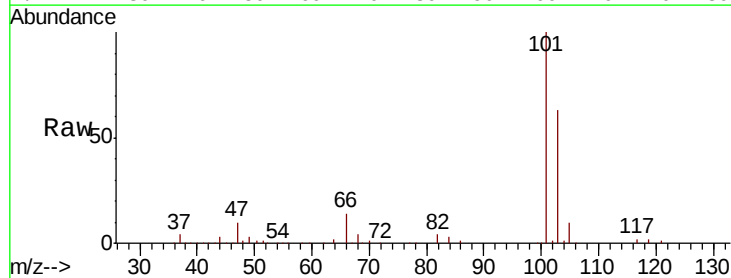
Acq: 21 May 2020 09:35

Tgt Ion:101 Resp: 83926

Ion Ratio Lower Upper

101 100

103 63.8 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV016145.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV016145.D (-116) (-)

1.76

60000

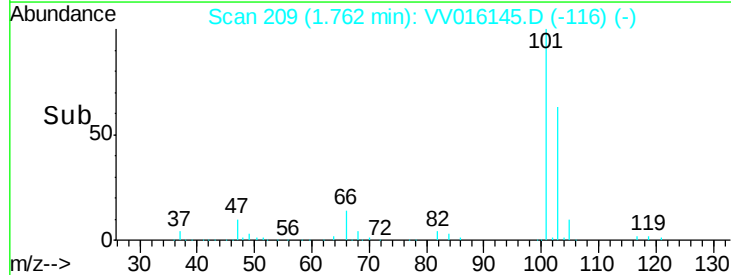
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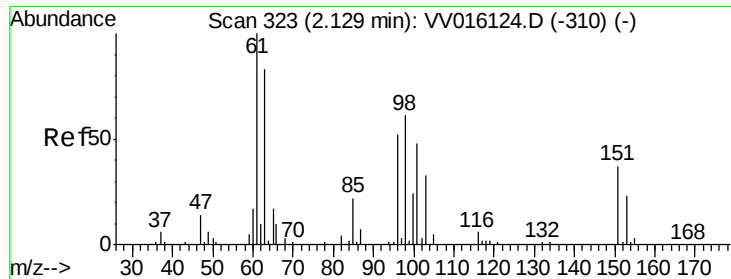
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.784 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

ClientSampleId :

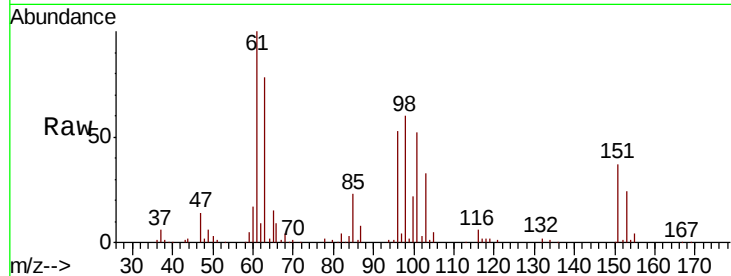
Tot Ion:101 Resp: 53307

Ion Ratio Lower Upper

101 100

85 45.6 35.7 53.5

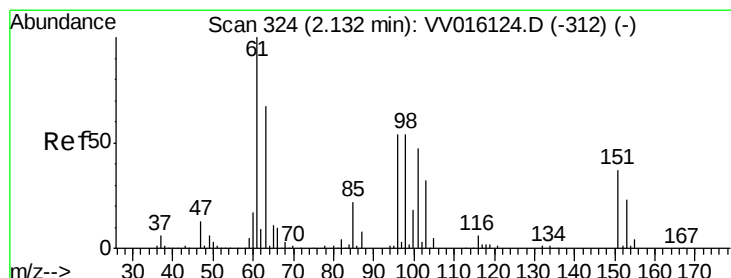
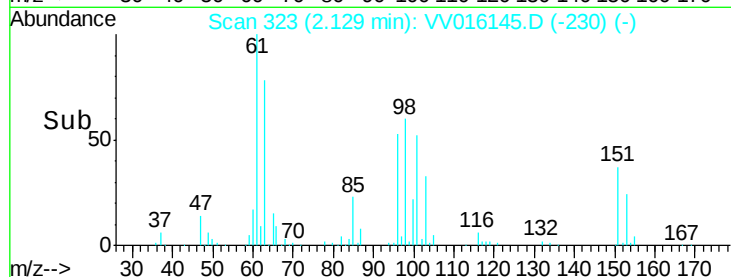
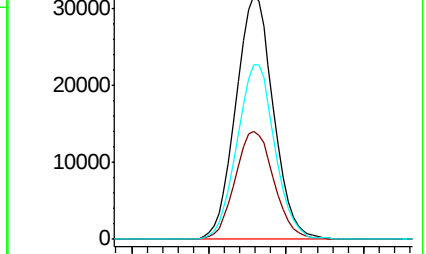
151 72.1 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV016145.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016145.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016145.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.490 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

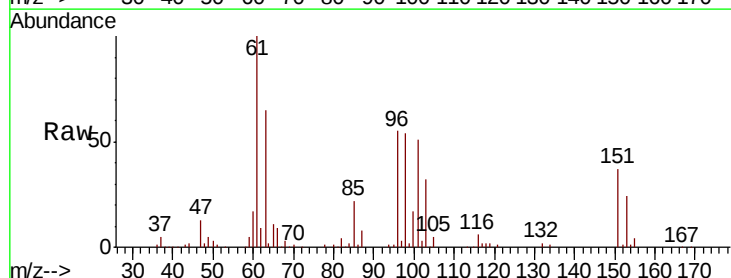
Tgt Ion: 96 Resp: 48446

Ion Ratio Lower Upper

96 100

61 182.0 139.9 259.7

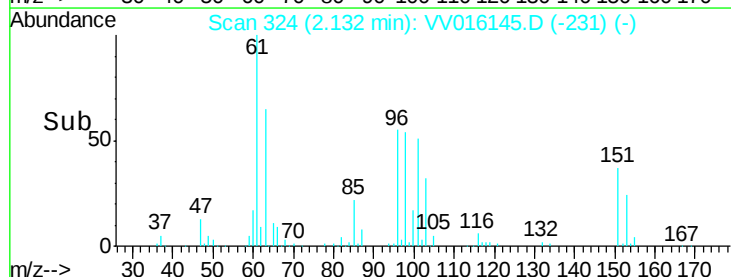
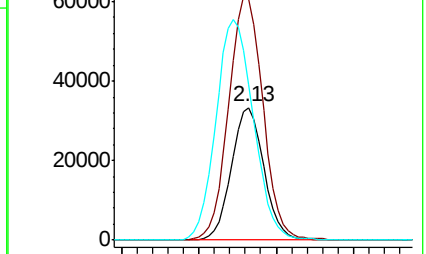
63 117.5 106.4 197.6

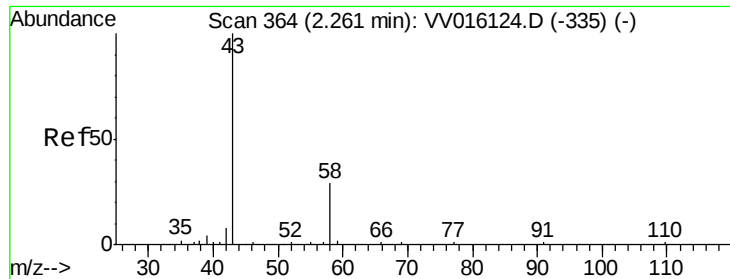


Abundance Ion 96.00 (95.70 to 96.70): VV016145.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV016145.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV016145.D (-231) (-)





#13

Acetone

Concen: 52.913 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.02 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

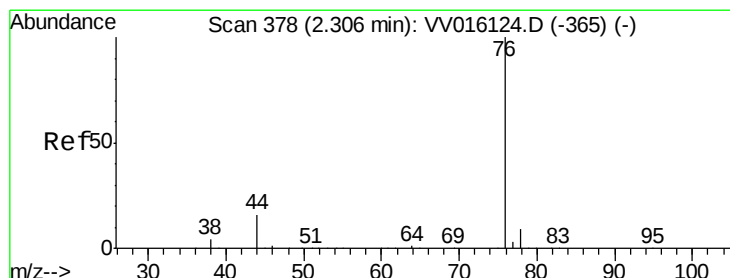
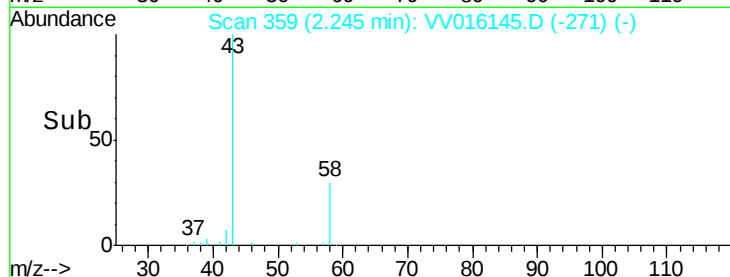
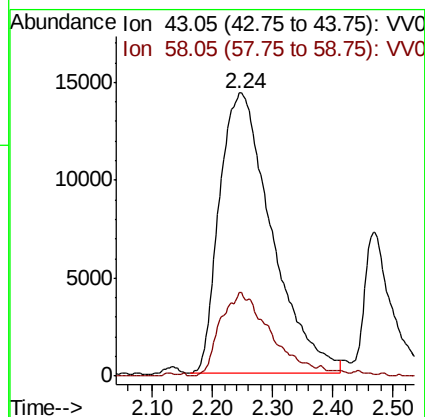
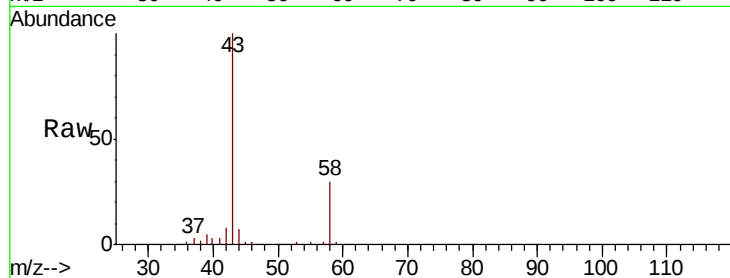
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 86609

Ion Ratio Lower Upper

43 100

58 28.4 0.0 30.8



#14

Carbon disulfide

Concen: 4.556 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016145.D

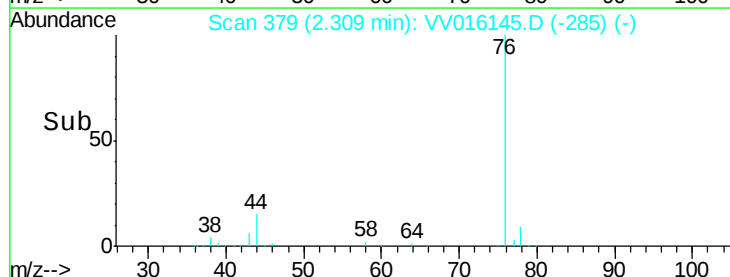
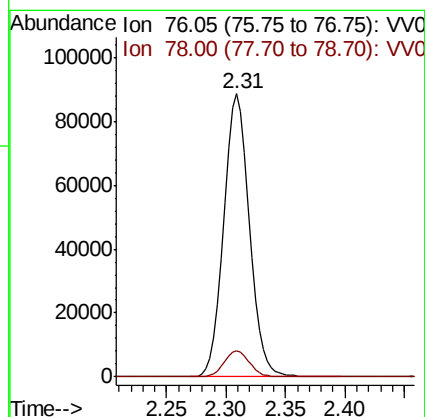
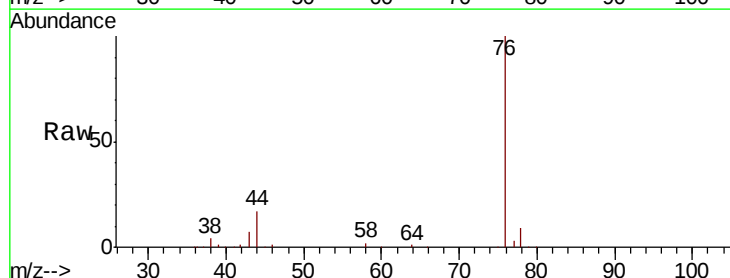
Acq: 21 May 2020 09:35

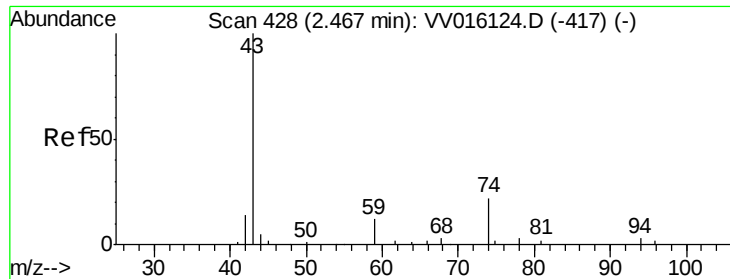
Tgt Ion: 76 Resp: 132723

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

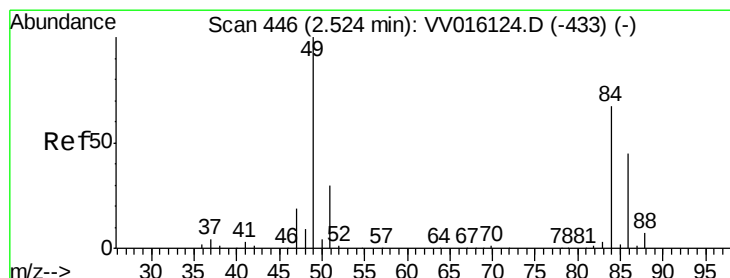
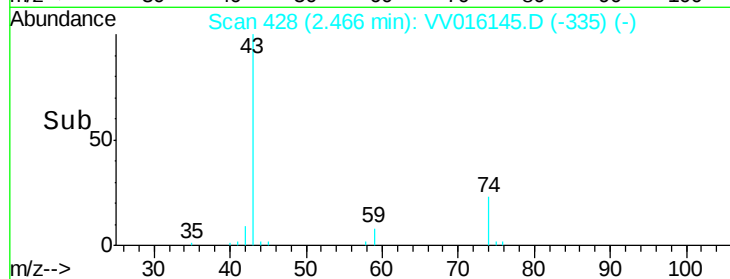
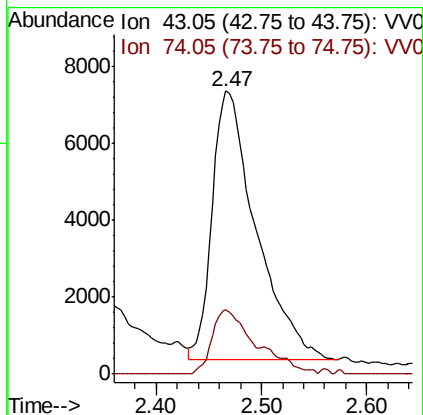
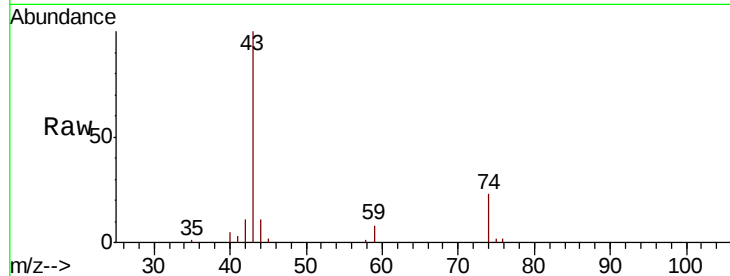




#15
Methvl Acetate
Concen: 5.344 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

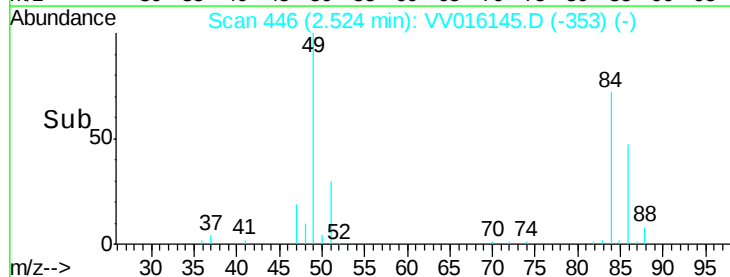
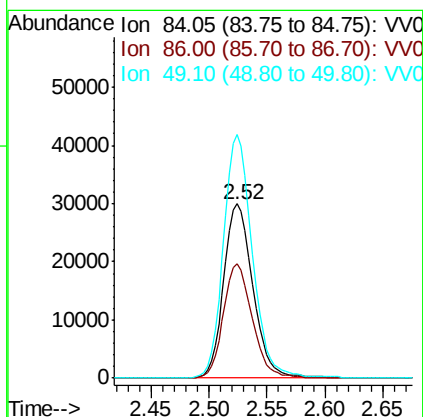
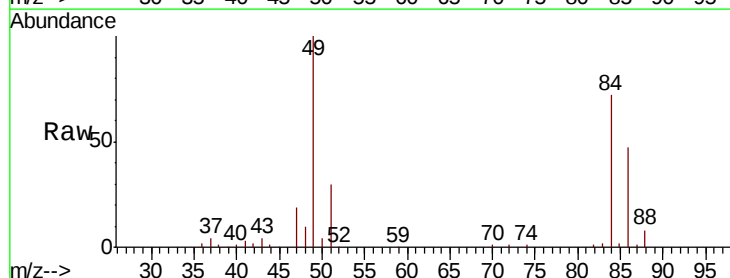
Instrument :
MSVOA_V
ClientSampleId :

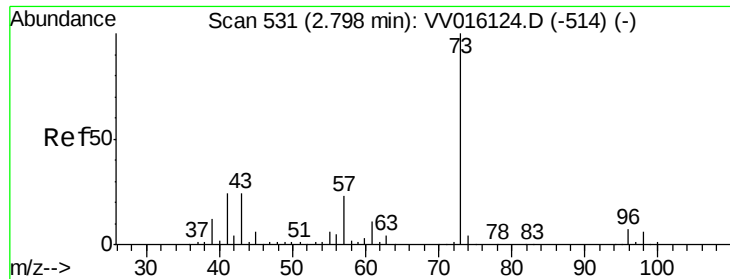
Tot Ion: 43 Resp: 20215
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8



#16
Methylene chloride
Concen: 4.959 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Tgt Ion: 84 Resp: 52358
Ion Ratio Lower Upper
84 100
86 65.6 45.6 84.8
49 139.8 93.6 173.8

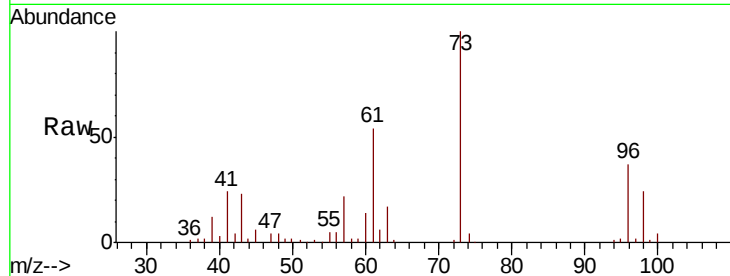




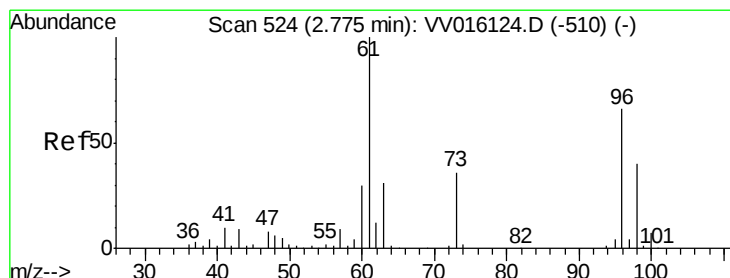
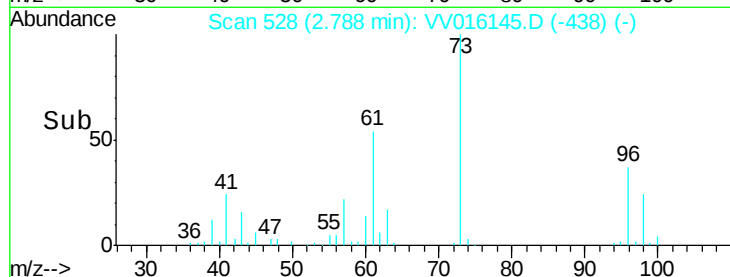
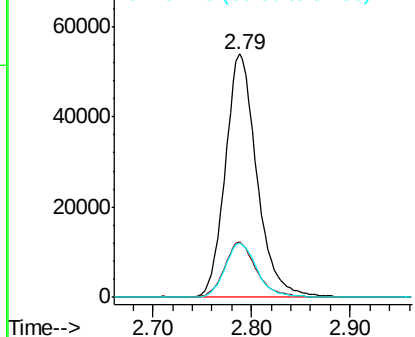
#17
Methvl tert-butvl Ether
Concen: 5.245 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 120264
Ion Ratio Lower Upper
73 100
43 23.4 18.8 28.2
57 22.7 17.8 26.6

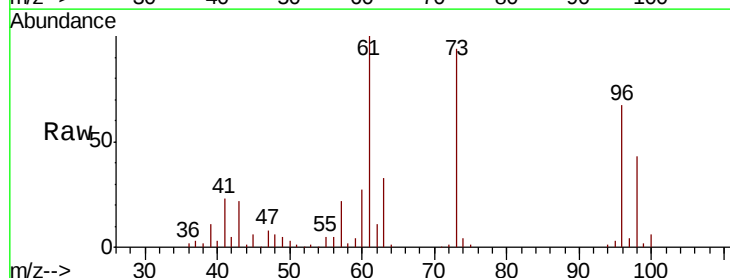


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

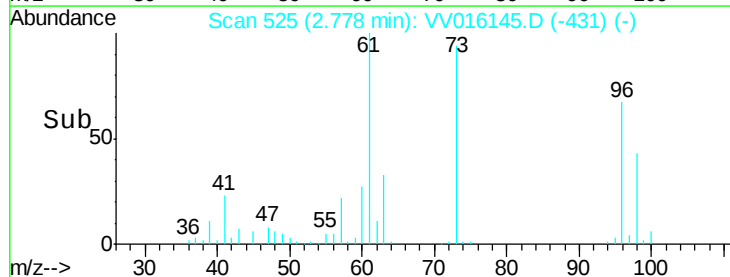
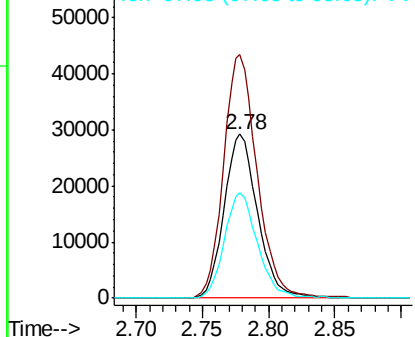


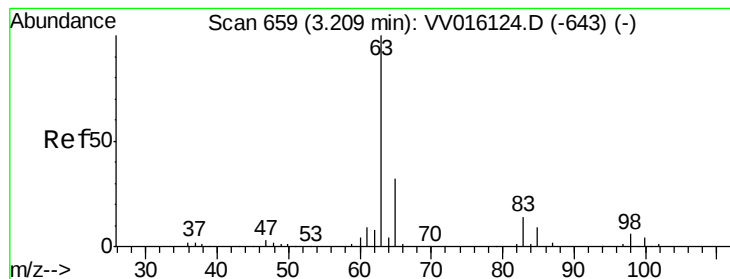
#18
trans-1,2-Dichloroethene
Concen: 5.255 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Tgt Ion: 96 Resp: 51242
Ion Ratio Lower Upper
96 100
61 148.6 105.3 195.5
98 64.5 44.0 81.6



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





#19

1,1-Dichloroethane

Concen: 5.268 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

ClientSampled :

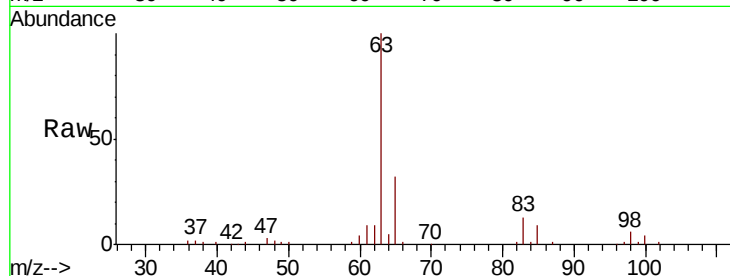
Tot Ion: 63 Resp: 98935

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

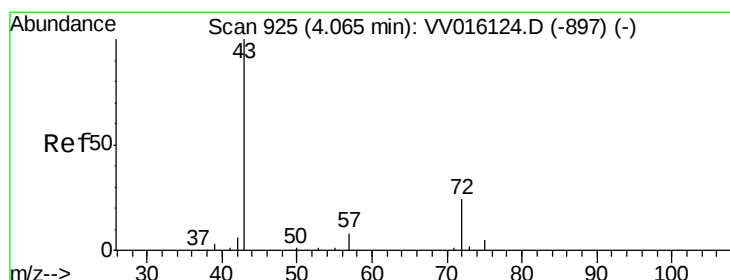
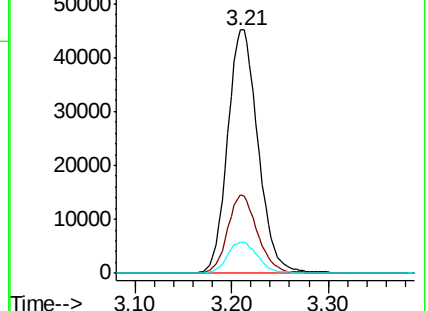
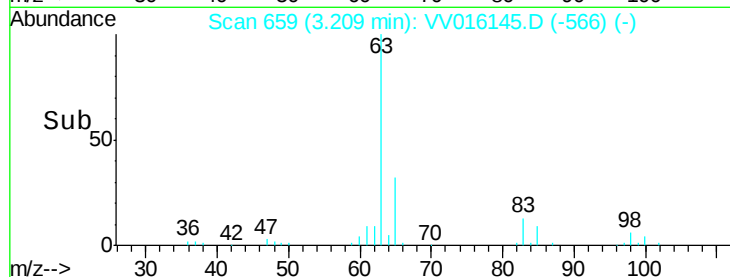
83 12.9 9.8 18.2



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: 54.890 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.03 min

Lab File: VV016145.D

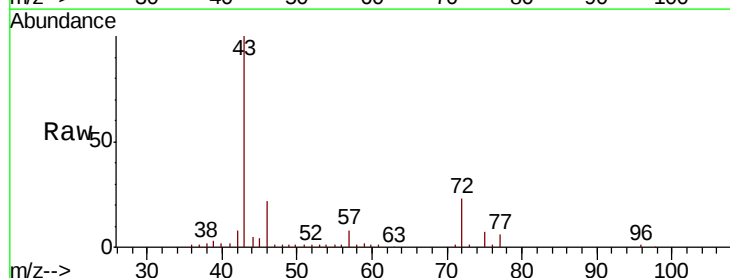
Acq: 21 May 2020 09:35

Tgt Ion: 43 Resp: 136826

Ion Ratio Lower Upper

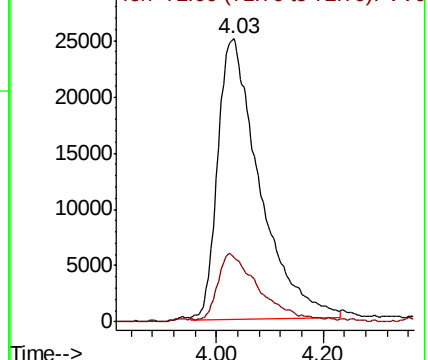
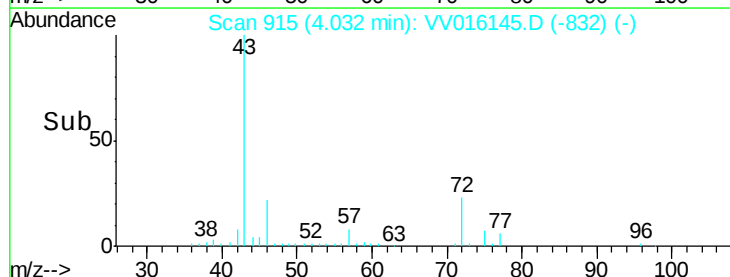
43 100

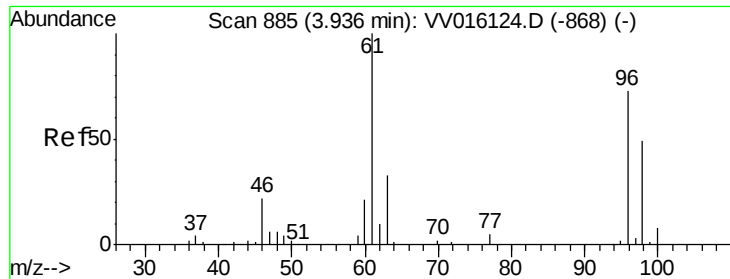
72 22.2 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



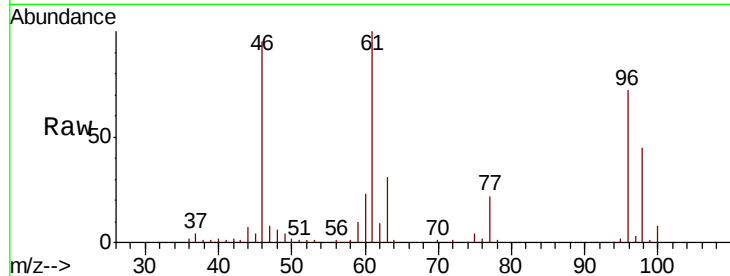


#22

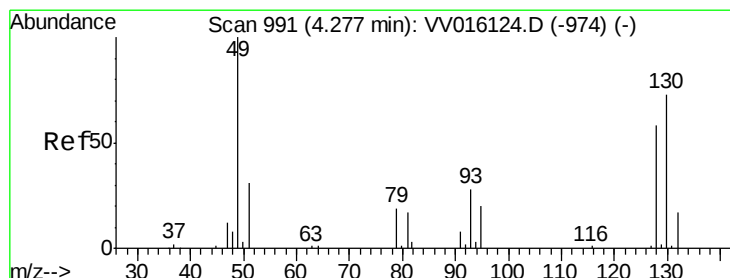
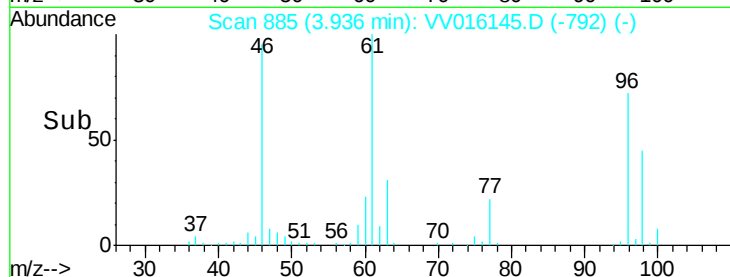
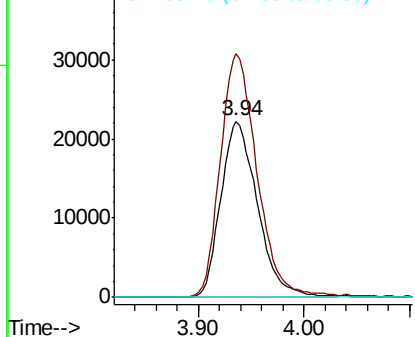
cis-1,2-Dichloroethene
Concen: 5.245 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 53545
Ion Ratio Lower Upper
96 100
61 138.0 97.2 180.6
68 0.0 0.0 0.0



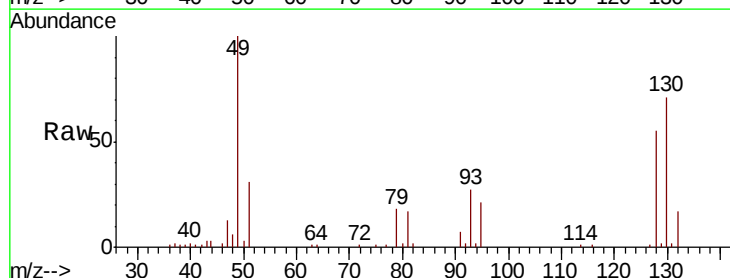
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



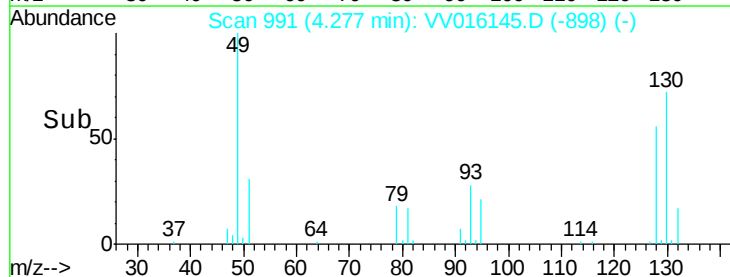
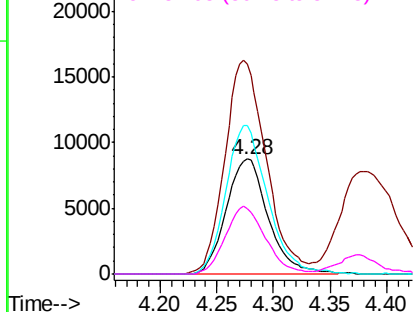
#23

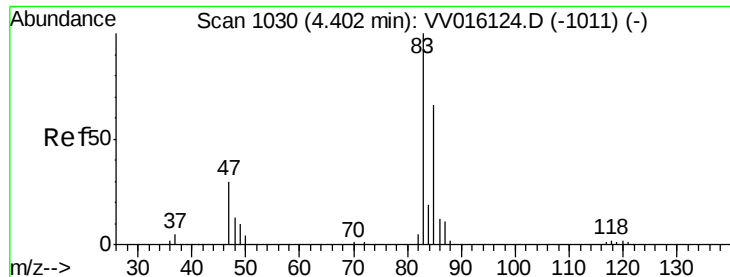
Bromochloromethane
Concen: 5.188 ug/L
RT: 4.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Tgt Ion: 128 Resp: 22604
Ion Ratio Lower Upper
128 100
49 182.4 131.3 243.8
130 128.8 91.8 170.4
51 56.3 48.8 73.2



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

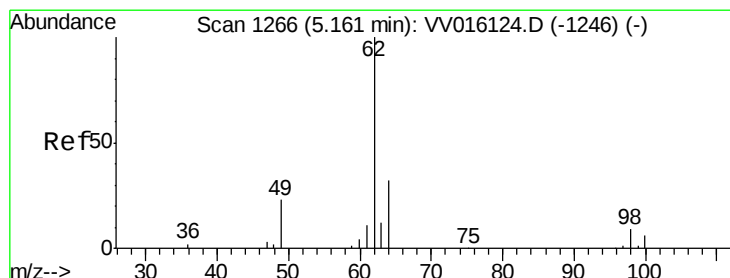
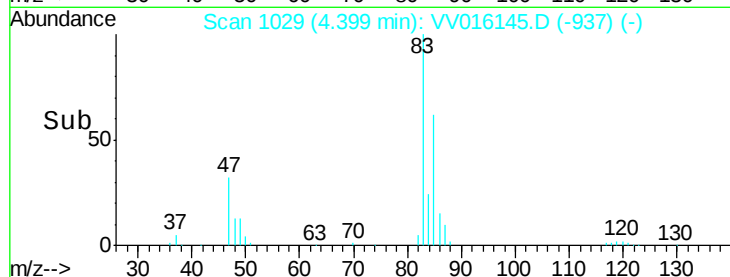
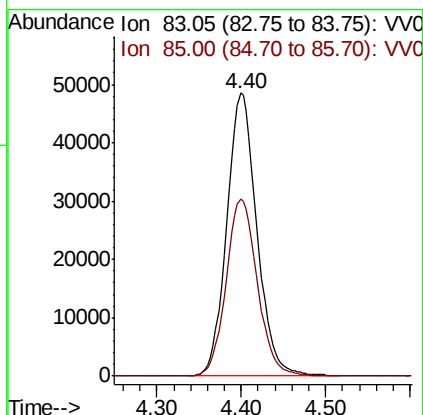
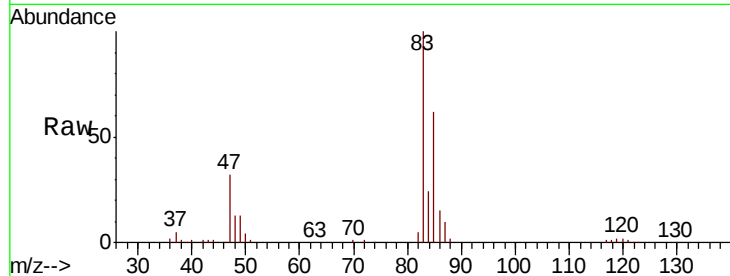




#25
Chloroform
Concen: 5.823 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

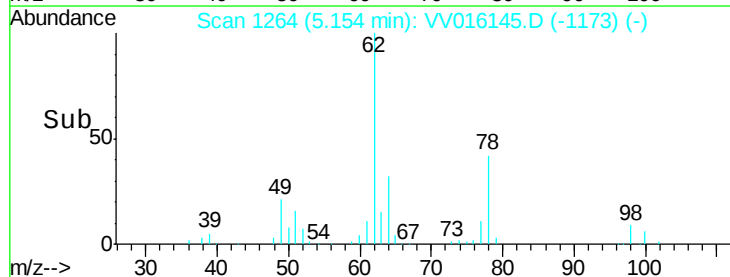
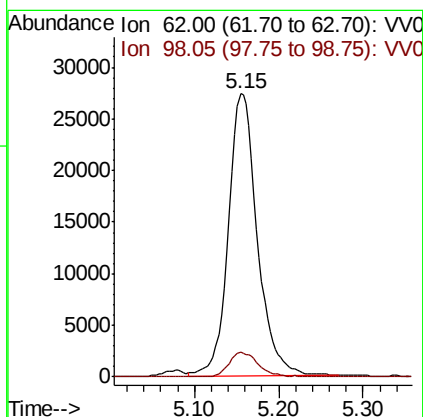
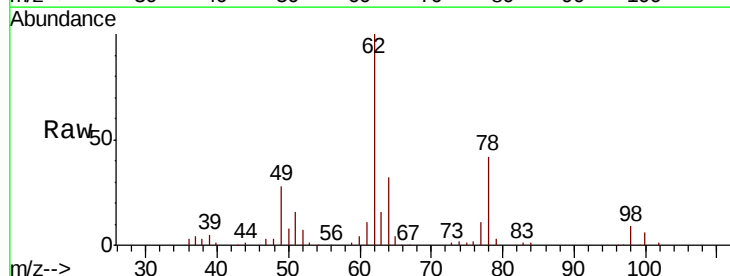
Instrument :
MSVOA_V
ClientSampled :

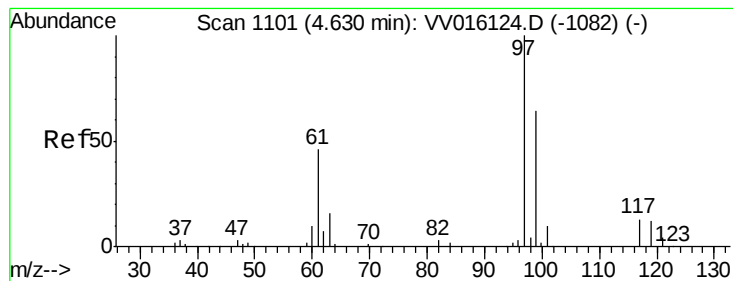
Tot Ion: 83 Resp: 120455
Ion Ratio Lower Upper
83 100
85 62.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.158 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Tgt Ion: 62 Resp: 65558
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.276 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

ClientSampleId :

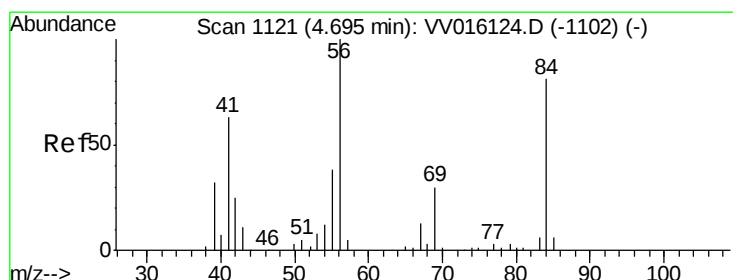
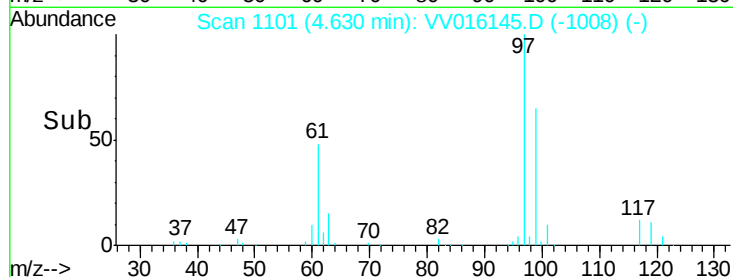
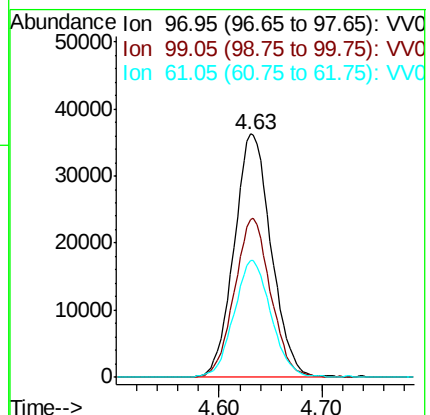
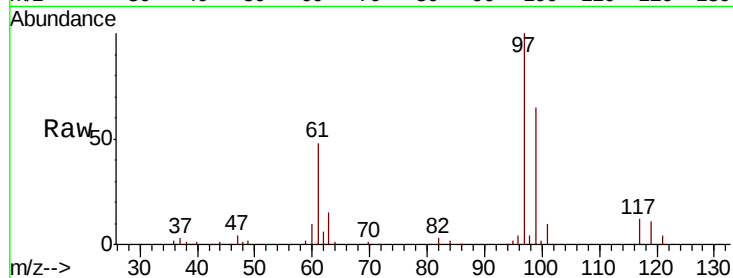
Tot Ion: 97 Resp: 90627

Ion Ratio Lower Upper

97 100

99 63.9 50.7 76.1

61 48.2 38.8 58.2



#30

Cyclohexane

Concen: 5.135 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

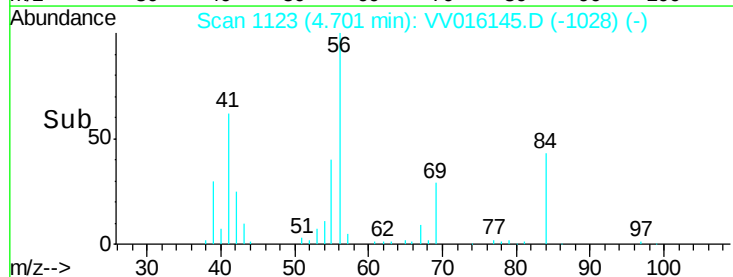
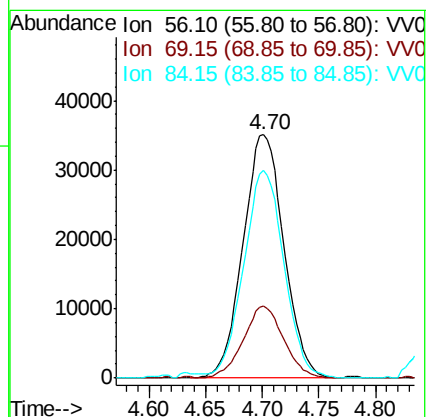
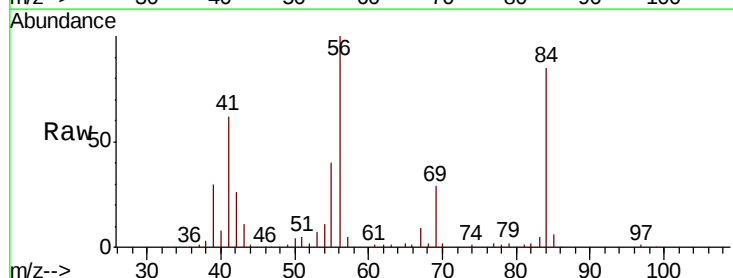
Tgt Ion: 56 Resp: 88393

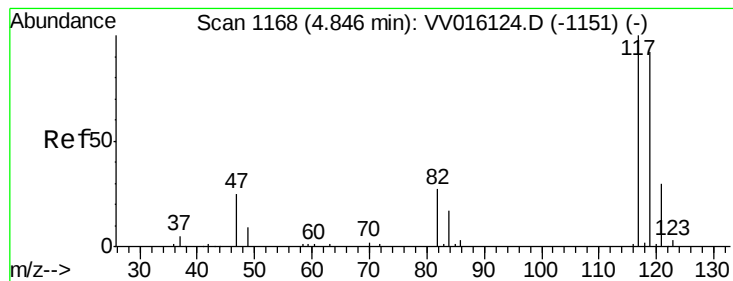
Ion Ratio Lower Upper

56 100

69 29.2 24.2 36.2

84 84.5 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.037 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.01 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

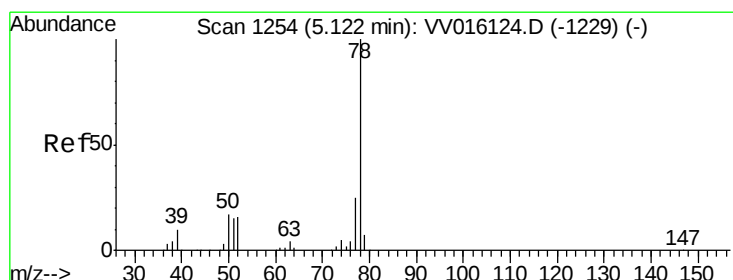
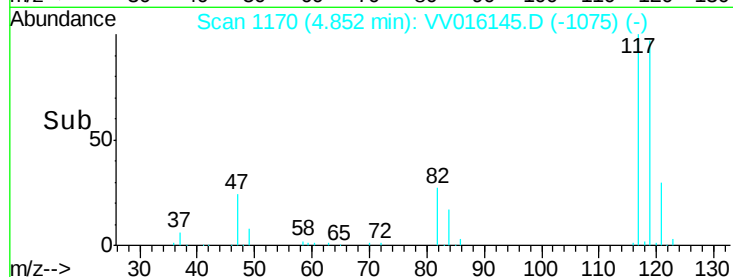
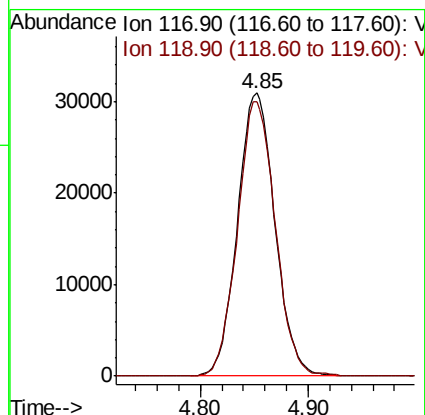
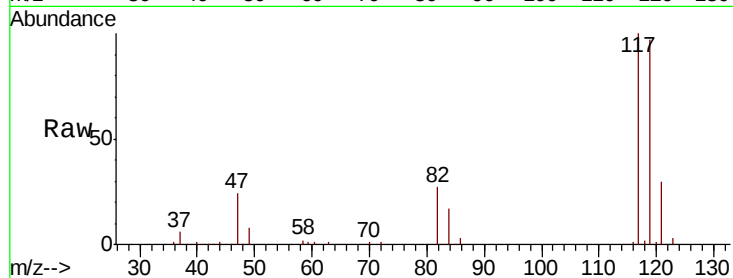
ClientSampleId :

Tot Ion:117 Resp: 74664

Ion Ratio Lower Upper

117 100

119 97.5 77.3 115.9



#33

Benzene

Concen: 5.310 ug/L

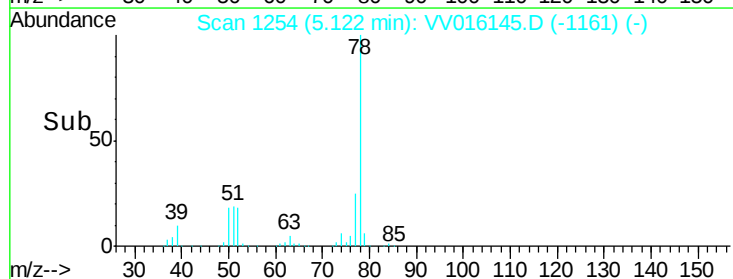
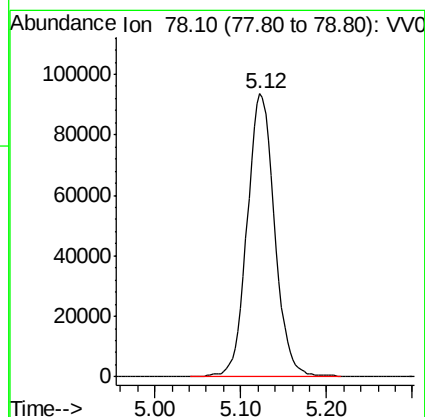
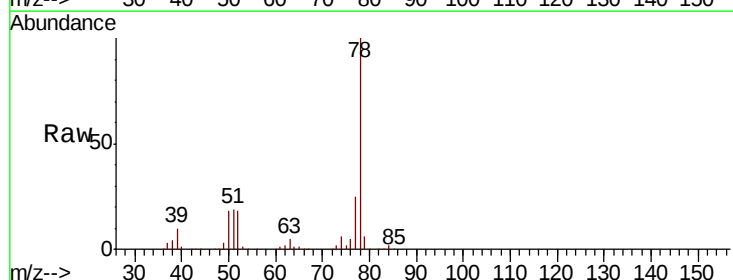
RT: 5.12 min Scan# 1254

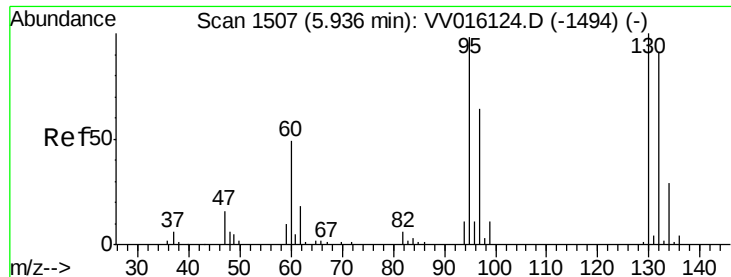
Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Tgt Ion: 78 Resp: 208098

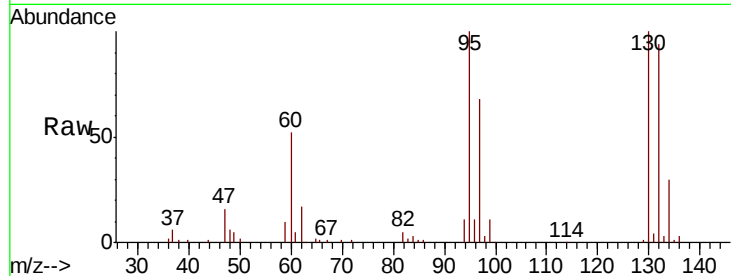




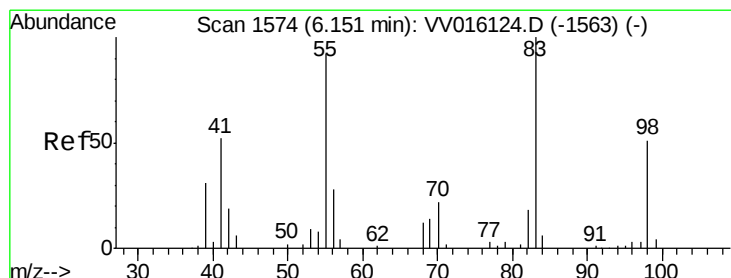
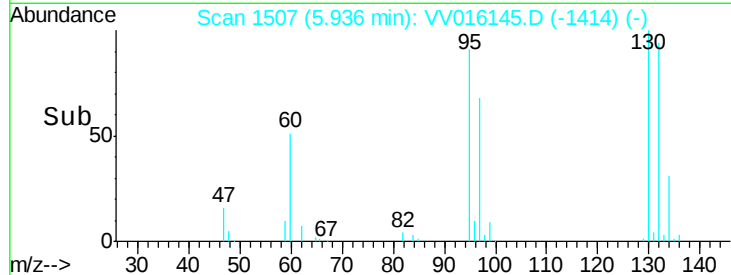
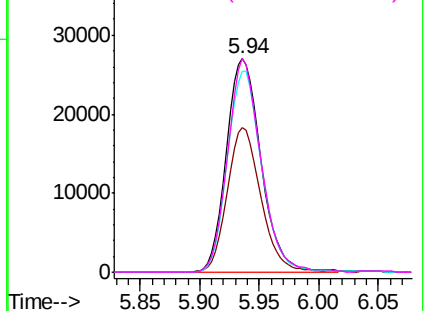
#34
 Trichloroethene
 Concen: 4.893 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 54734
 Ion Ratio Lower Upper
 95 100
 97 67.9 43.3 80.5
 132 94.3 60.3 112.1
 130 99.9 66.0 122.6

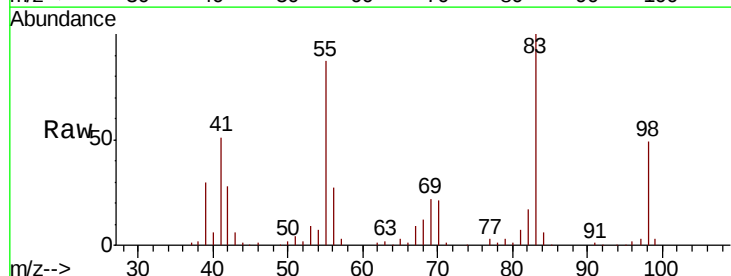


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

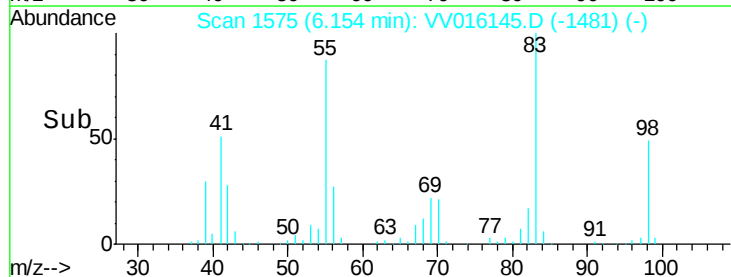
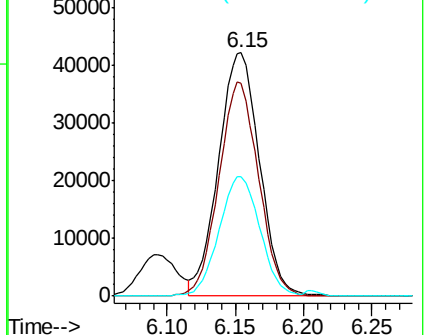


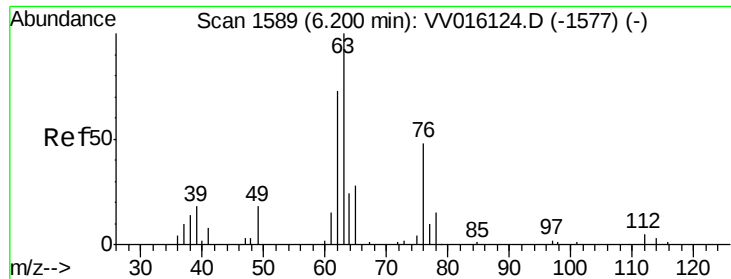
#35
 Methylcyclohexane
 Concen: 5.196 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Tgt Ion: 83 Resp: 87910
 Ion Ratio Lower Upper
 83 100
 55 85.4 66.2 99.2
 98 49.0 37.9 56.9



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

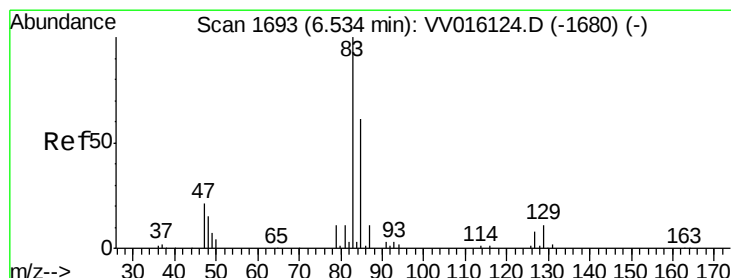
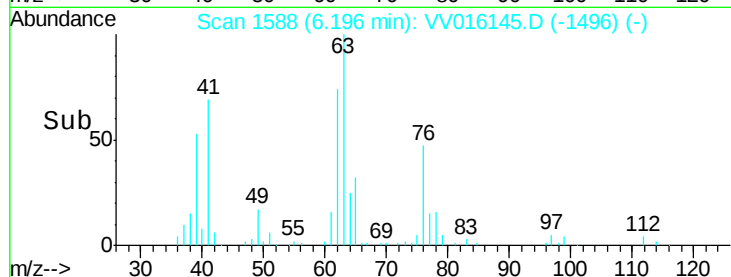
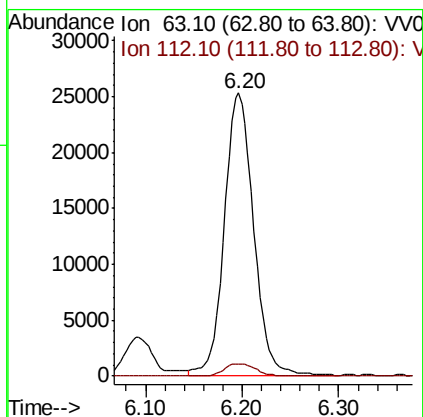
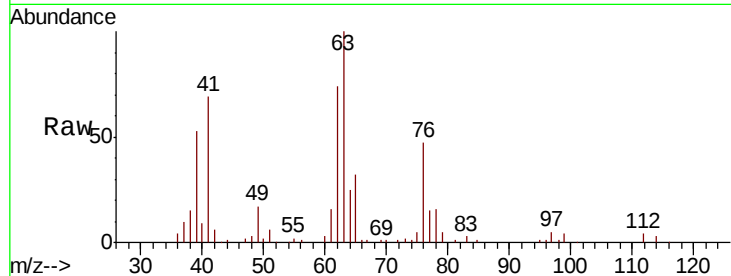




#37
 1,2-Dichloropropane
 Concen: 5.374 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

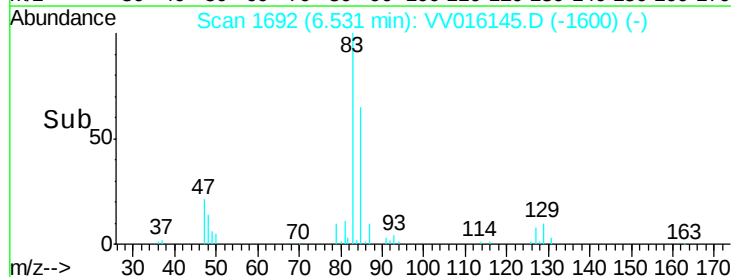
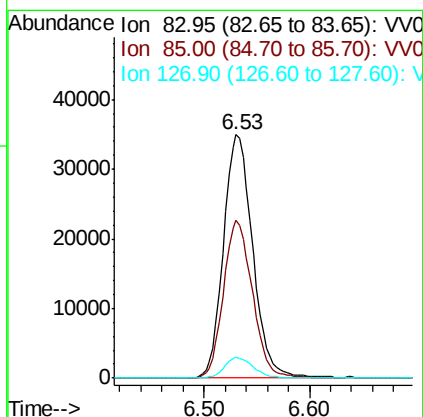
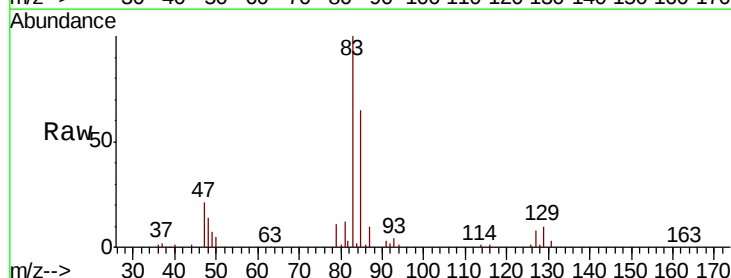
Instrument :
 MSVOA_V
 ClientSampleId :

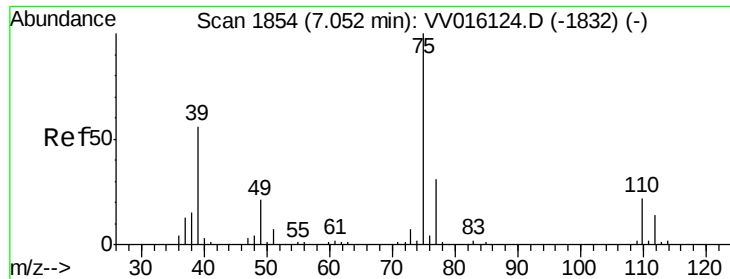
Tot Ion: 63 Resp: 53504
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.302 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Tgt Ion: 83 Resp: 67037
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.5 84.5
 127 8.3 6.2 9.4

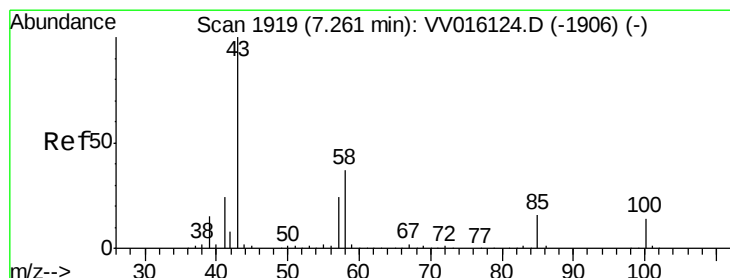
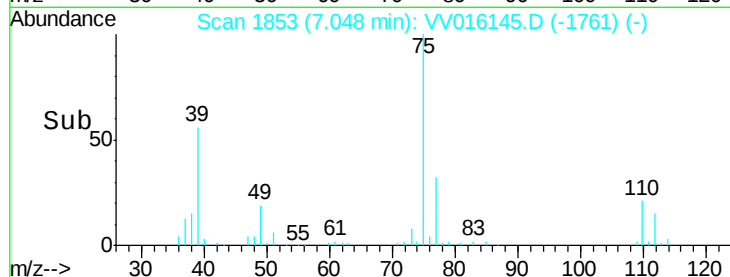
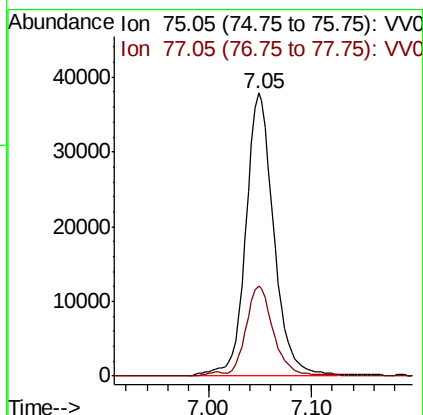
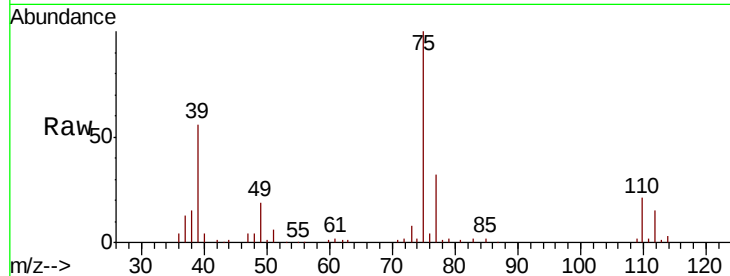




#39
 cis-1,3-Dichloropropene
 Concen: 5.070 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

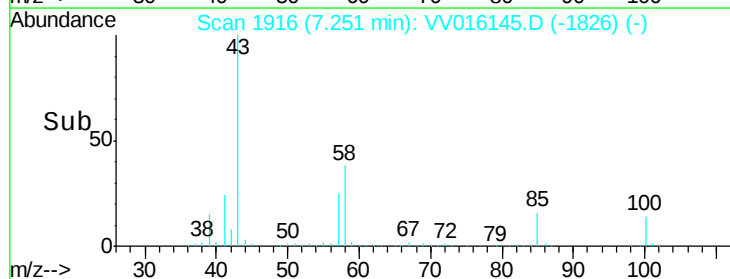
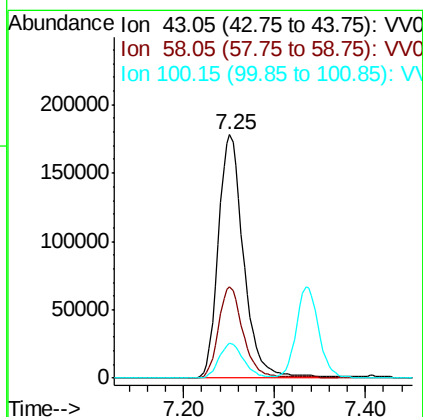
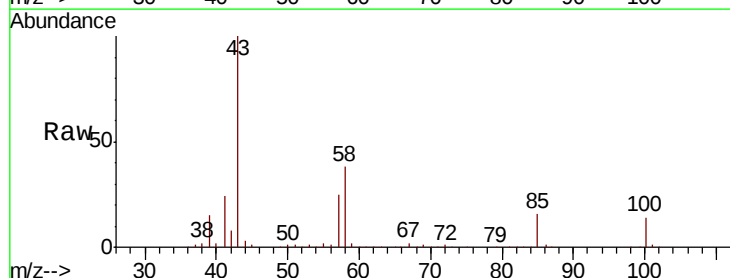
Instrument :
 MSVOA_V
 ClientSampleId :

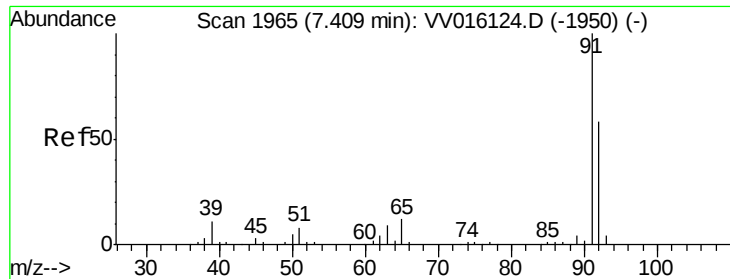
Tot Ion: 75 Resp: 71352
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 55.534 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Tgt Ion: 43 Resp: 344628
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4
 100 14.0 10.9 16.3





#42

Toluene

Concen: 5.475 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

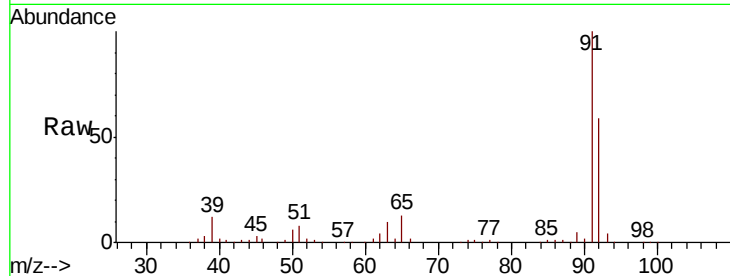
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 227427

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016124.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV016124.D (-1950) (-)

7.41

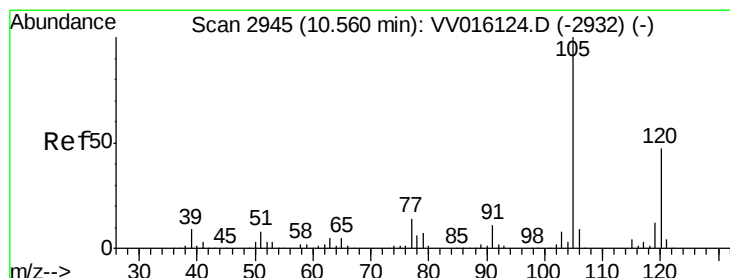
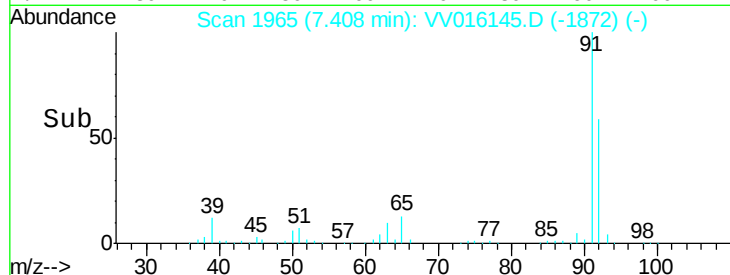
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.687 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016145.D

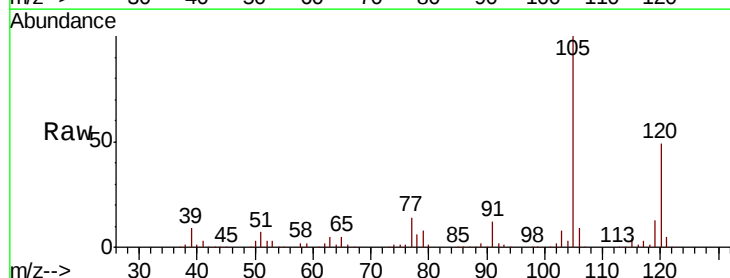
Acq: 21 May 2020 09:35

Tgt Ion:105 Resp: 216852

Ion Ratio Lower Upper

105 100

120 48.1 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016124.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016124.D (-2932) (-)

10.56

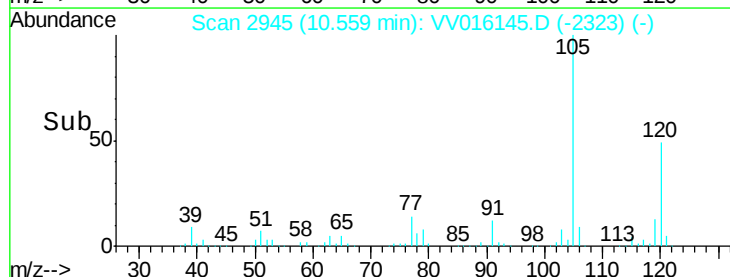
150000

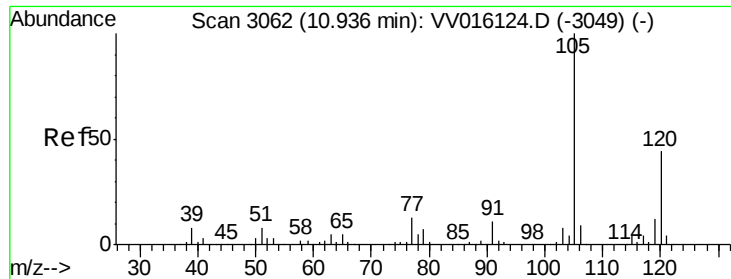
100000

50000

0

Time-->

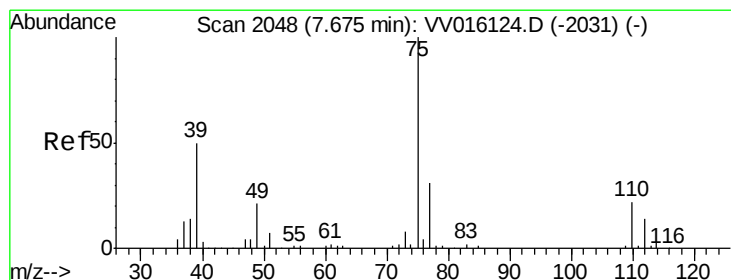
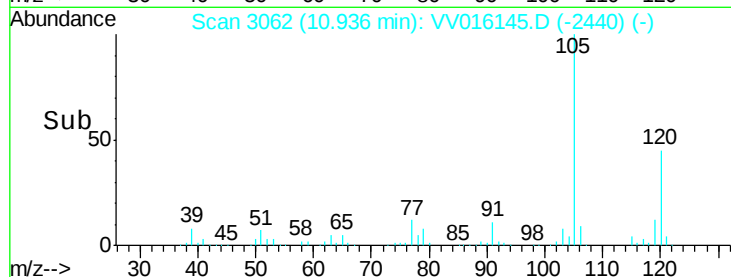
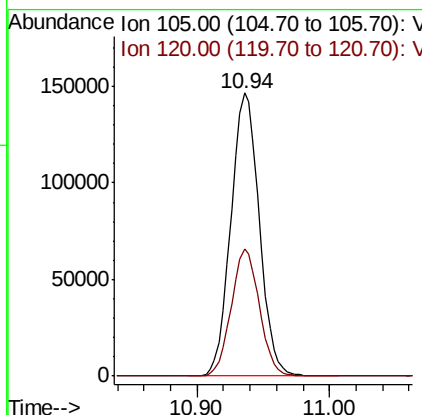
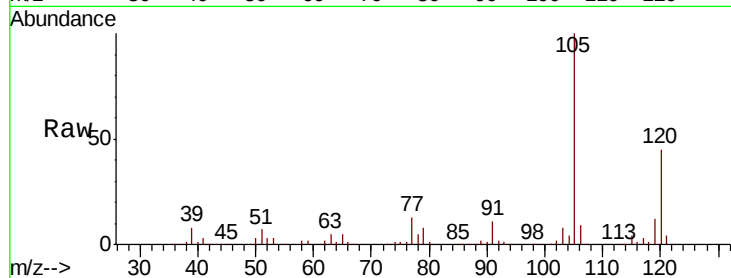




#44
 1,2,4-Trimethylbenzene
 Concen: 5.720 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

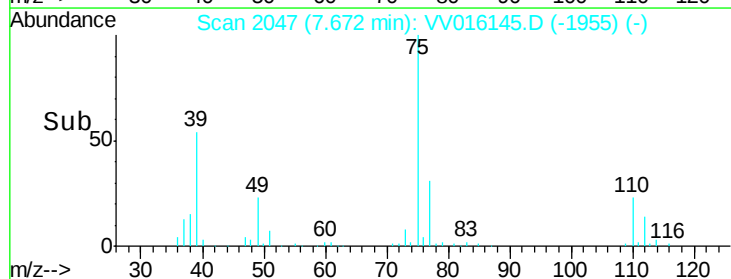
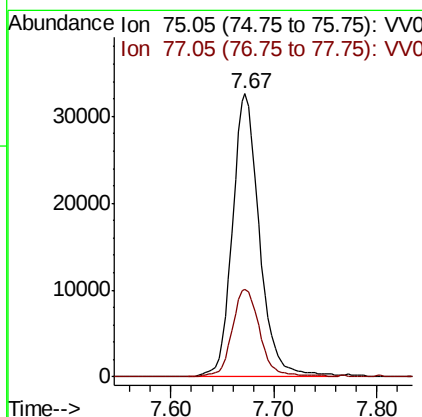
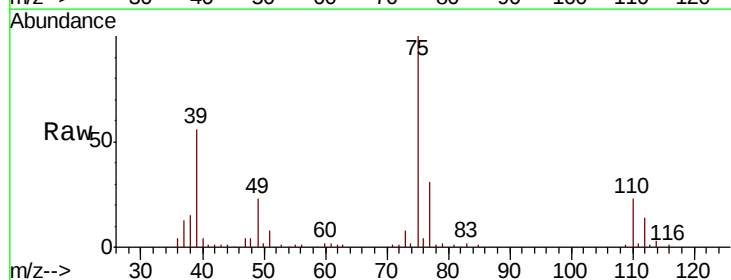
Instrument :
 MSVOA_V
 ClientSampleId :

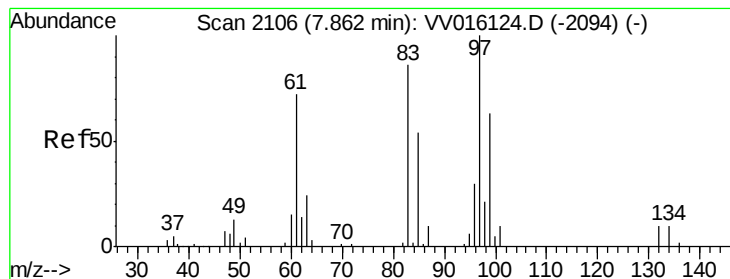
Tot Ion:105 Resp: 217983
 Ion Ratio Lower Upper
 105 100
 120 44.6 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.034 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Tgt Ion: 75 Resp: 59839
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.3 39.6





#47

1,1,2-Trichloroethane

Concen: 5.295 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 35204

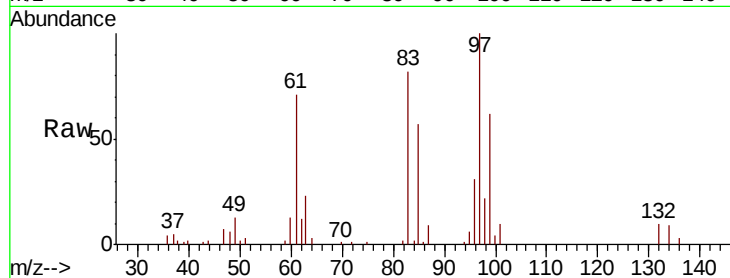
Ion Ratio Lower Upper

97 100

99 61.7 42.1 78.1

83 81.8 59.2 110.0

85 57.2 38.6 71.8

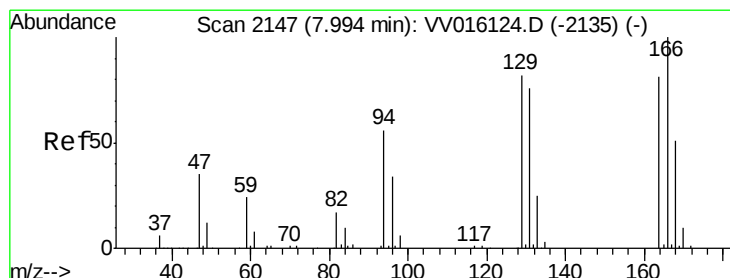
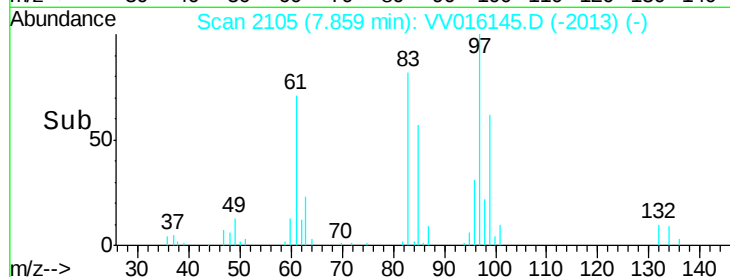
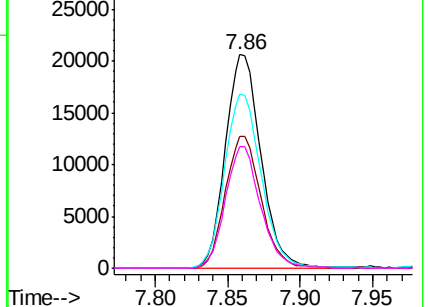


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.355 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Tgt Ion: 164 Resp: 41796

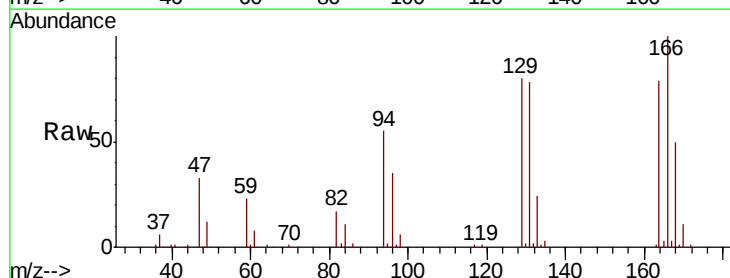
Ion Ratio Lower Upper

164 100

129 101.9 69.7 129.4

131 98.9 66.8 124.2

166 127.1 89.1 165.5

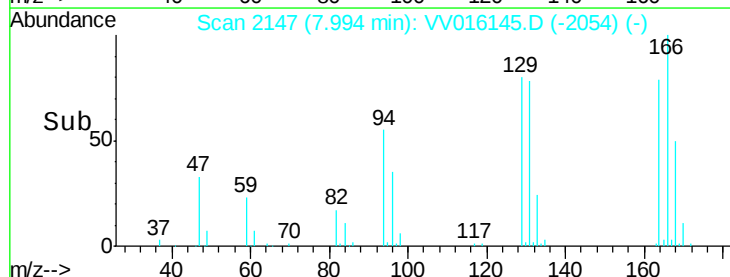
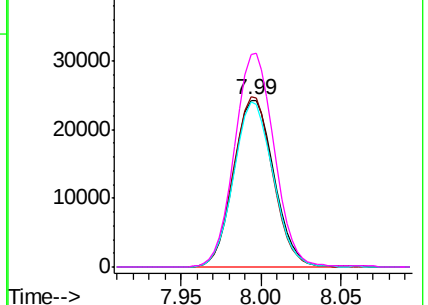


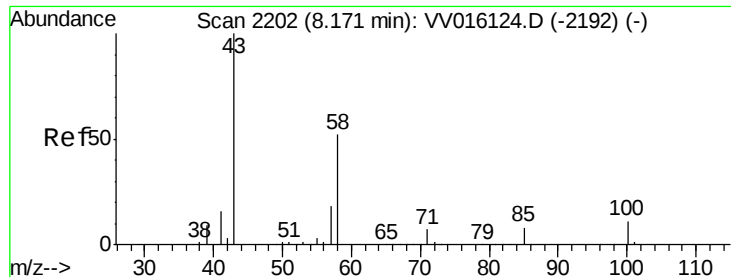
Abundance Ion 163.90 (163.60 to 164.60): V

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

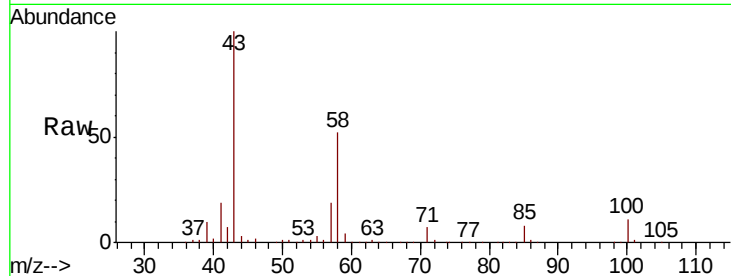




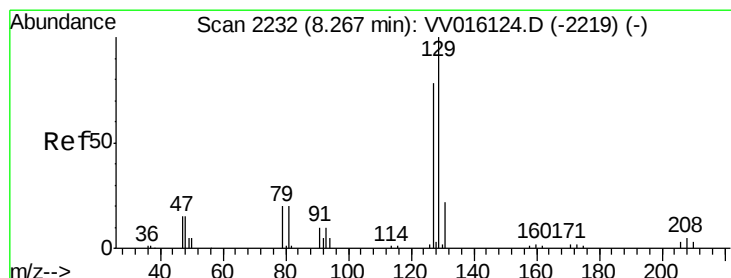
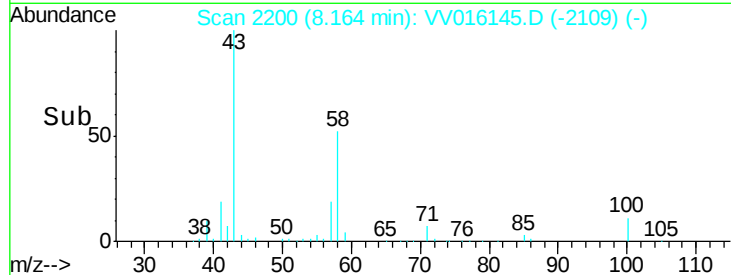
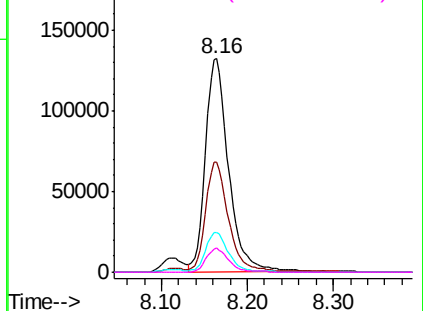
#50
2-Hexanone
Concen: 56.710 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.01 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 248873
Ion Ratio Lower Upper
43 100
58 50.8 40.8 61.2
57 18.1 14.7 22.1
100 11.1 9.0 13.6

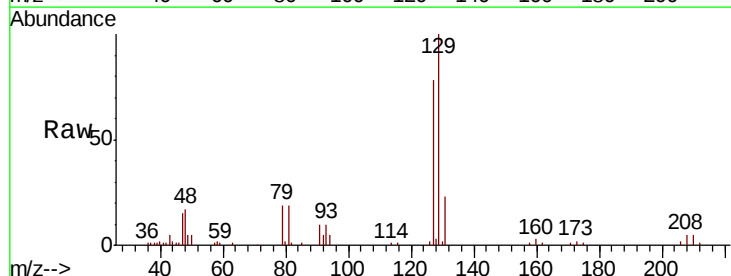


Abundance Ion 43.05 (42.75 to 43.75): VV016145.D (-2109) (-)
Ion 58.05 (57.75 to 58.75): VV016145.D (-2109) (-)
Ion 57.20 (56.90 to 57.90): VV016145.D (-2109) (-)
Ion 100.15 (99.85 to 100.85): VV016145.D (-2109) (-)

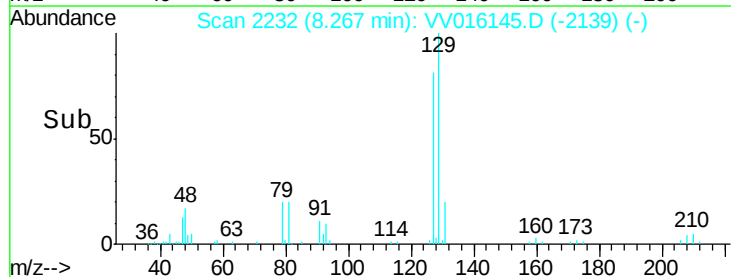
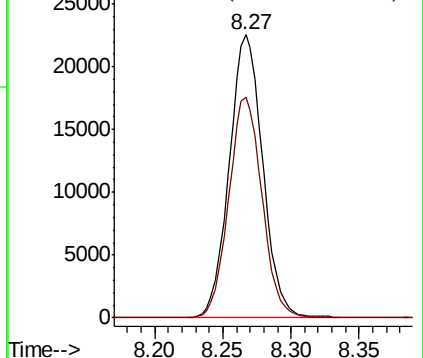


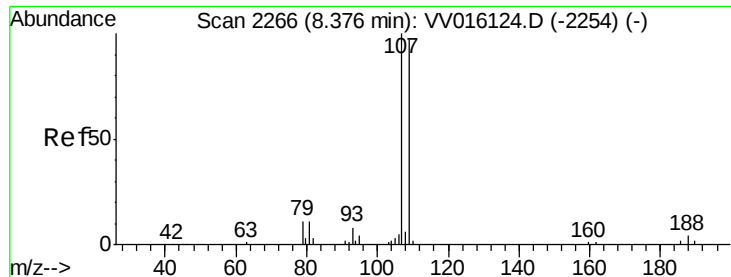
#51
Dibromochloromethane
Concen: 5.139 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Tgt Ion: 129 Resp: 38392
Ion Ratio Lower Upper
129 100
127 78.0 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV016145.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016145.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.314 ug/L

RT: 8.37 min Scan# 2265

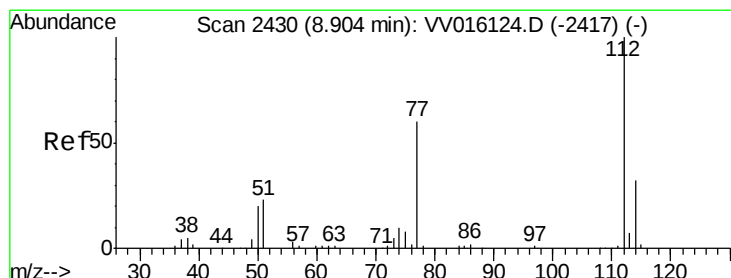
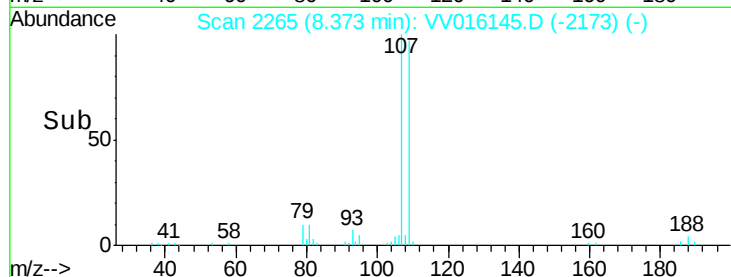
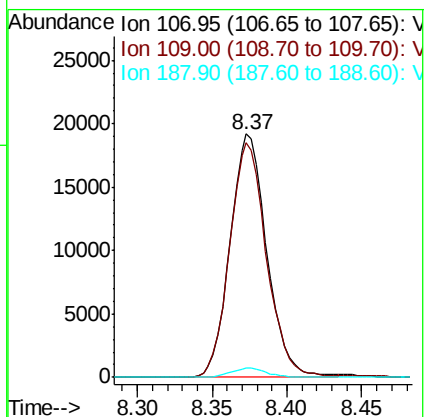
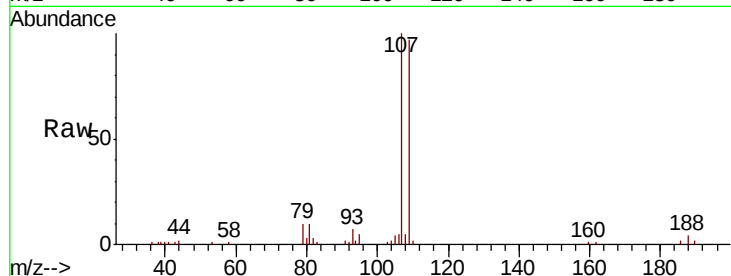
Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	32767
Ion	Ratio	Lower	Upper
107	100		
109	96.5	68.9	127.9
188	3.7	2.7	4.1



#53

Chlorobenzene

Concen: 5.506 ug/L

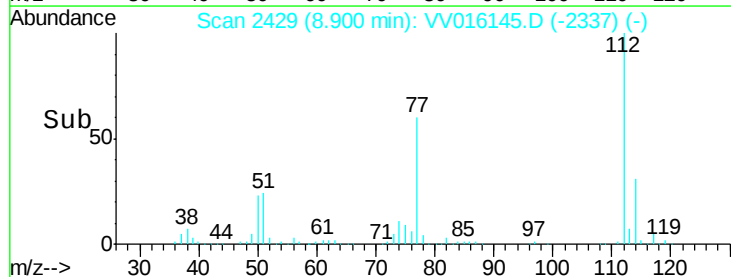
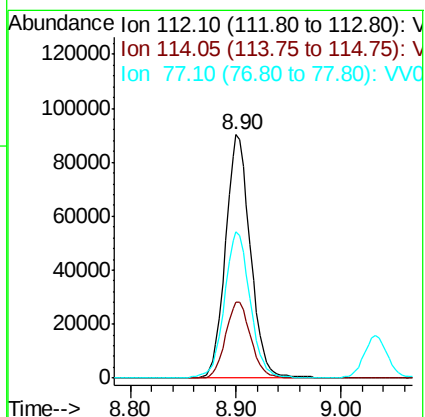
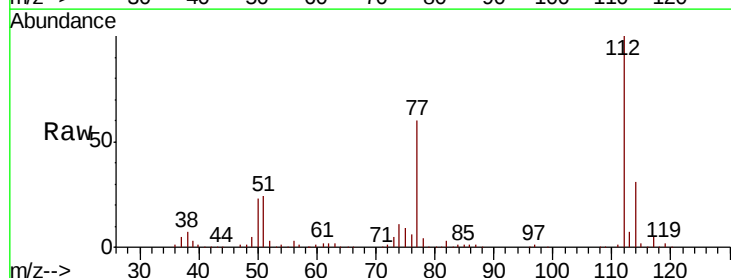
RT: 8.90 min Scan# 2429

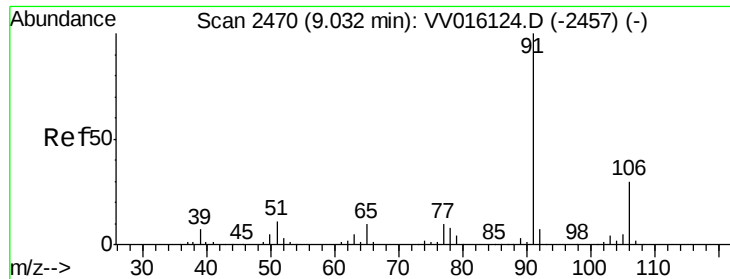
Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Tgt Ion:	112	Resp:	147096
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.6	40.0
77	60.2	48.6	73.0

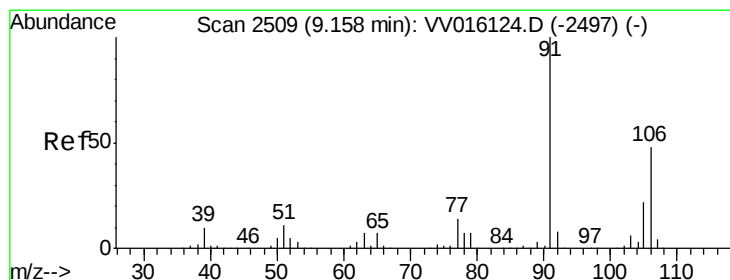
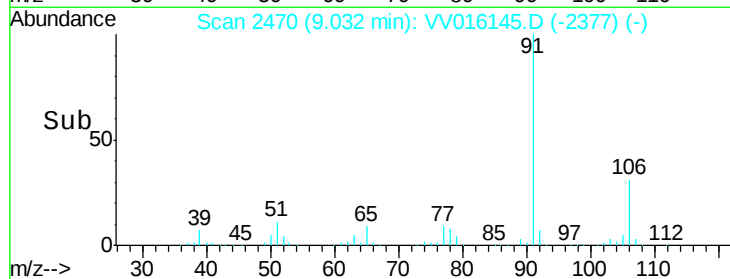
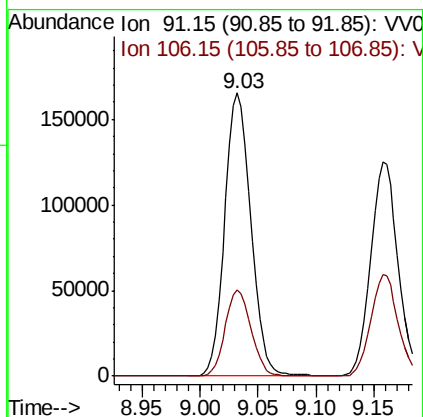
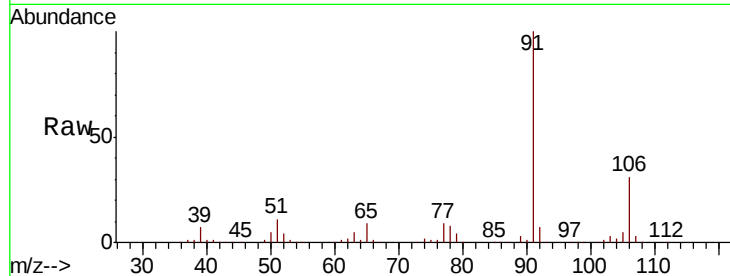




#54
Ethylbenzene
Concen: 5.500 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

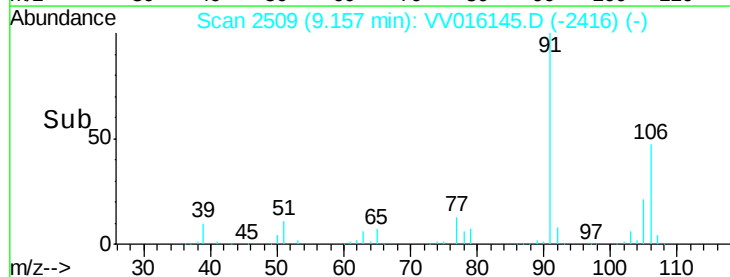
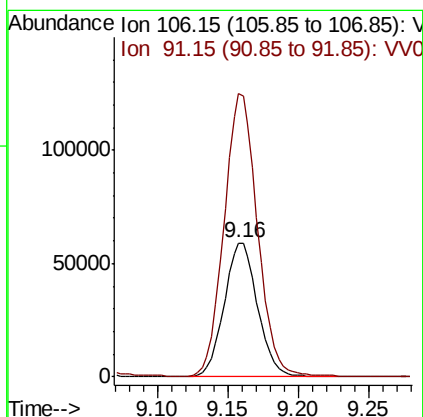
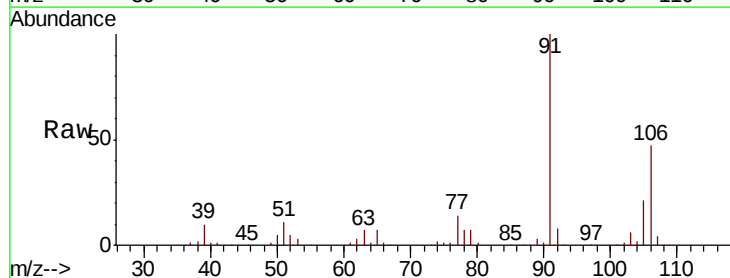
Instrument :
MSVOA_V
ClientSampleId :

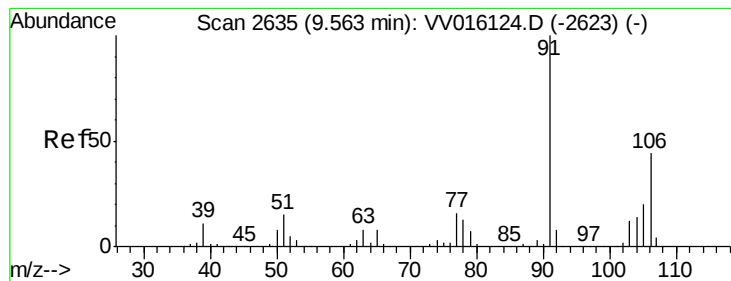
Tot Ion: 91 Resp: 259814
Ion Ratio Lower Upper
91 100
106 30.5 20.6 38.4



#55
m,p-xylene
Concen: 5.534 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016145.D
Acq: 21 May 2020 09:35

Tgt Ion: 106 Resp: 96795
Ion Ratio Lower Upper
106 100
91 211.3 149.9 278.3





#56

o-xylene

Concen: 5.611 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

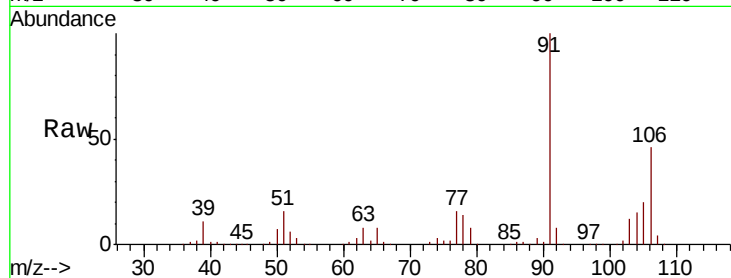
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 93831

Ion Ratio Lower Upper

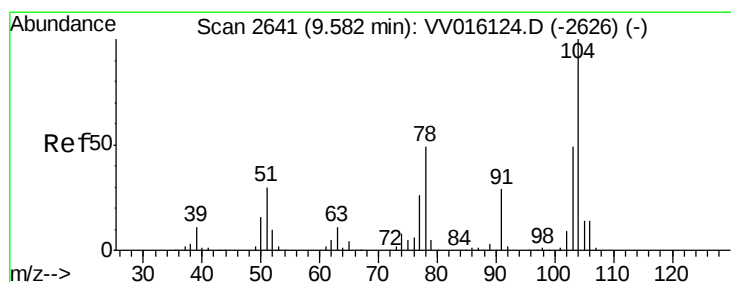
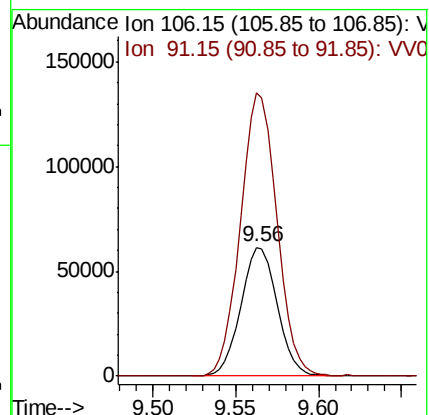
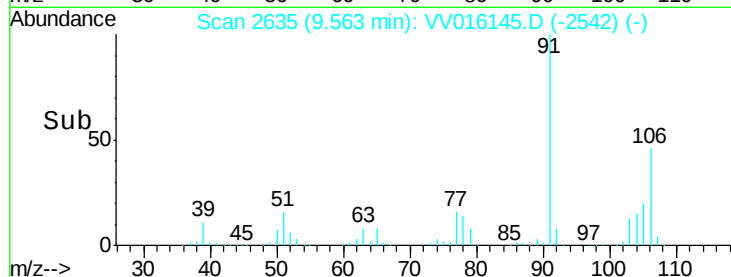
106 100

91 219.6 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 5.757 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016145.D

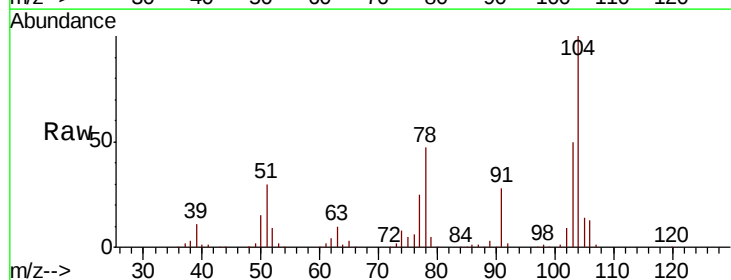
Acq: 21 May 2020 09:35

Tgt Ion:104 Resp: 161004

Ion Ratio Lower Upper

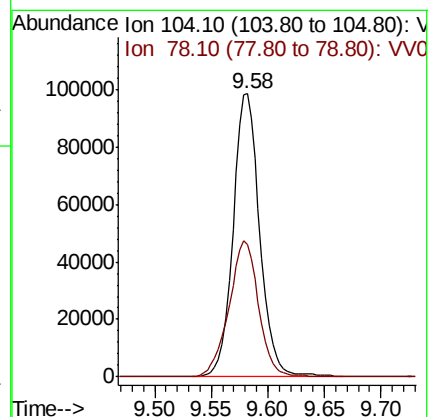
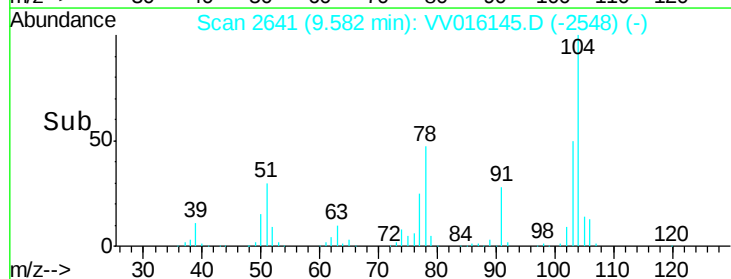
104 100

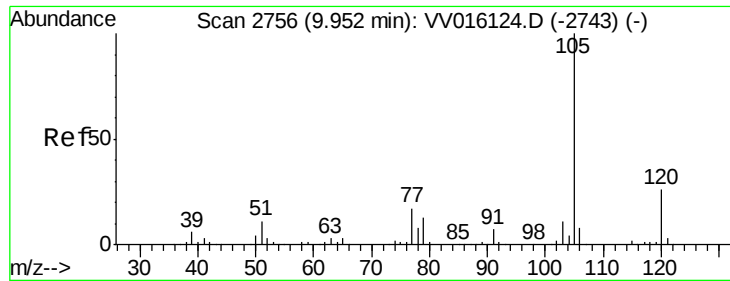
78 46.7 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.638 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

ClientSampled :

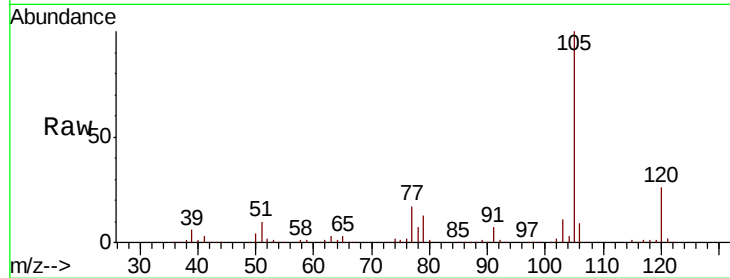
Tot Ion:105 Resp: 258988

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

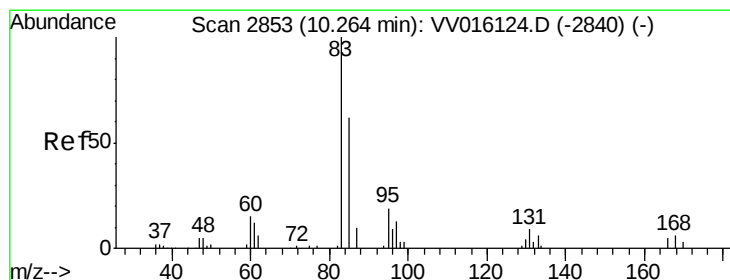
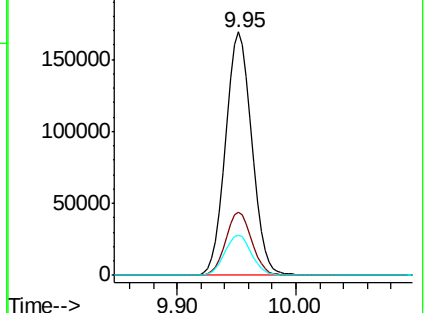
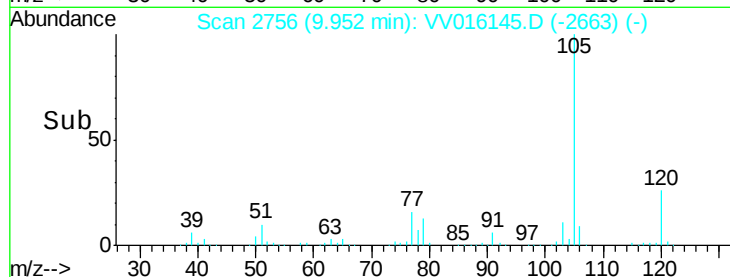
77 16.8 14.1 21.1



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: 6.248 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

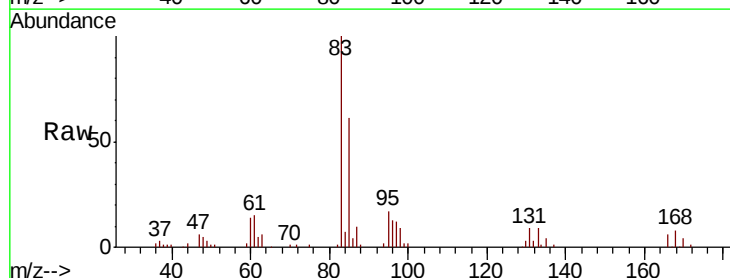
Tgt Ion: 83 Resp: 44395

Ion Ratio Lower Upper

83 100

85 61.2 44.0 81.6

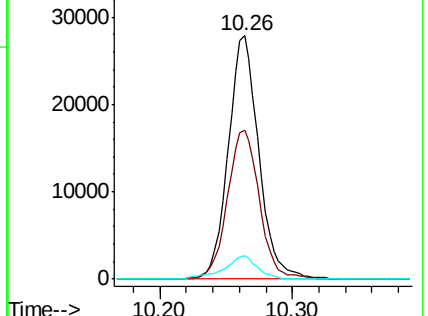
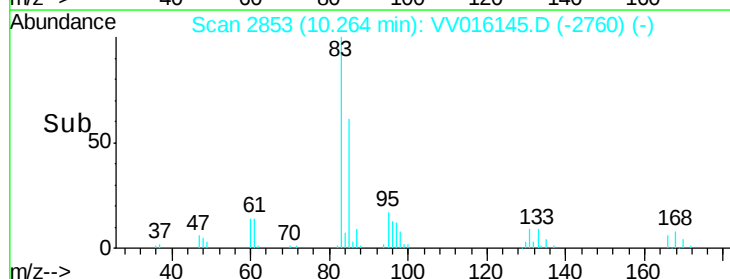
131 9.5 7.7 11.5

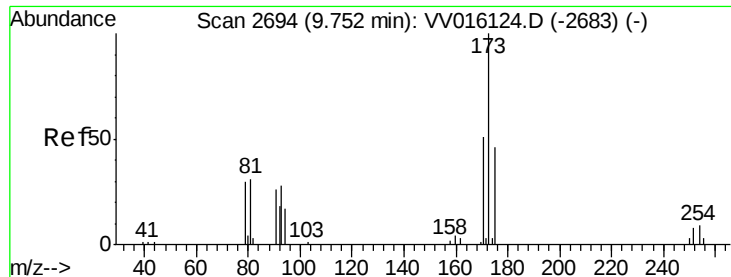


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.696 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Instrument :
MSVOA_V
ClientSampled :

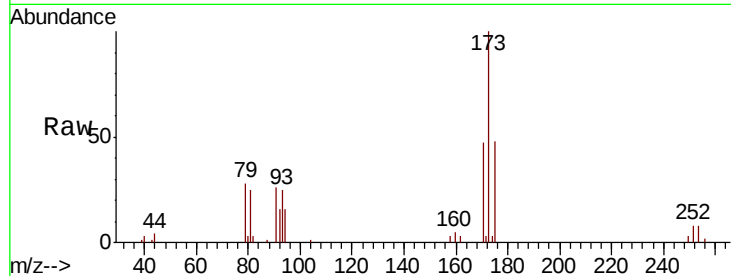
Tot Ion:173 Resp: 17584

Ion Ratio Lower Upper

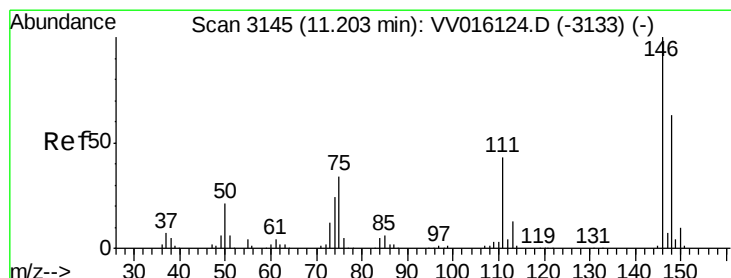
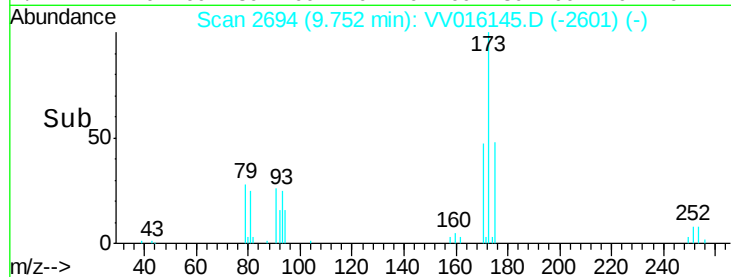
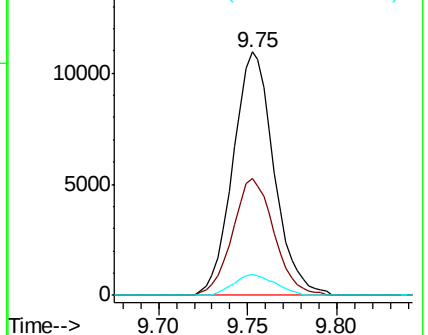
173 100

175 48.3 39.8 59.8

254 8.5 7.1 10.7



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: 5.386 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

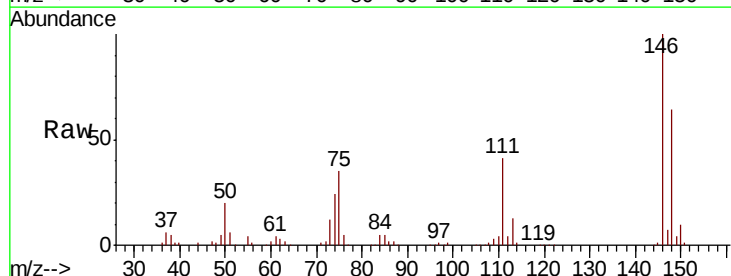
Tgt Ion:146 Resp: 118267

Ion Ratio Lower Upper

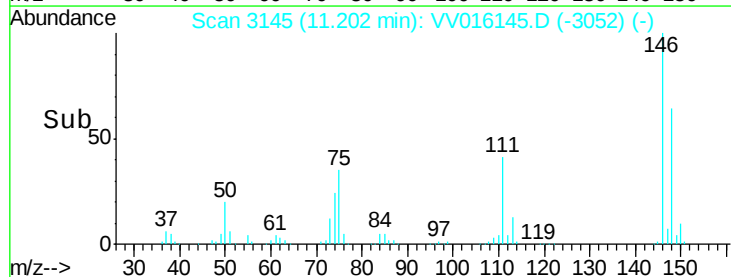
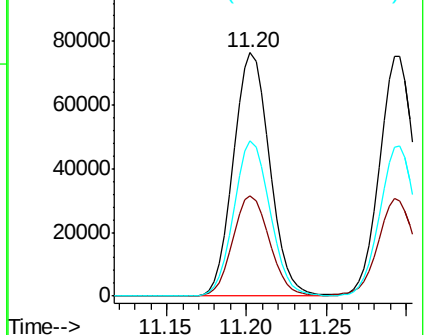
146 100

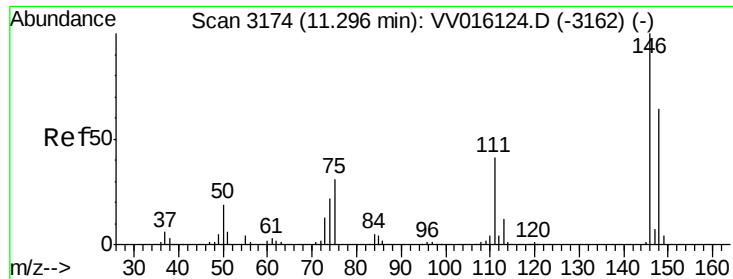
111 41.0 28.7 53.3

148 63.7 44.0 81.8



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: 5.371 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016145.D

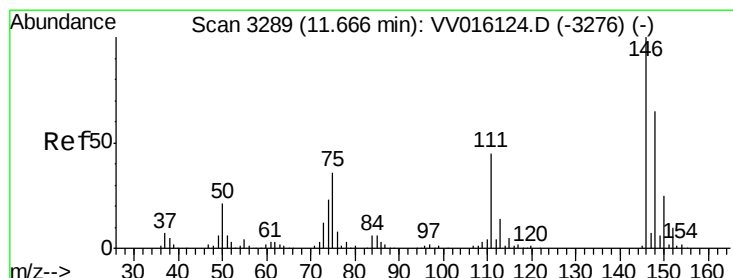
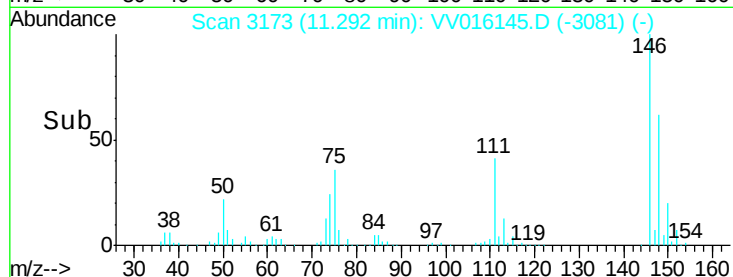
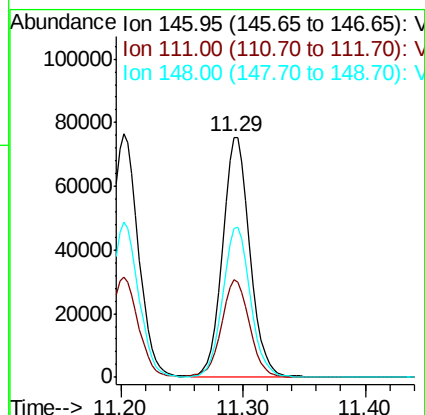
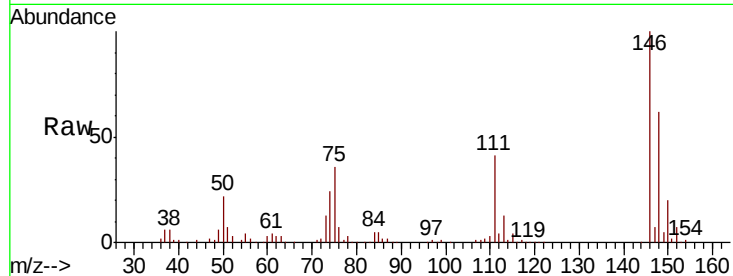
Acq: 21 May 2020 09:35

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	118501
Ion Ratio	Lower	Upper
146	100	
111	40.7	28.9 53.7
148	61.8	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 5.356 ug/L

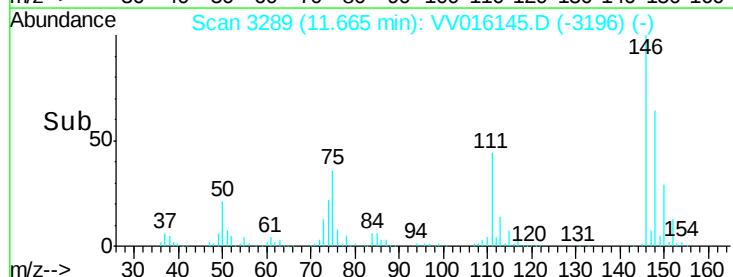
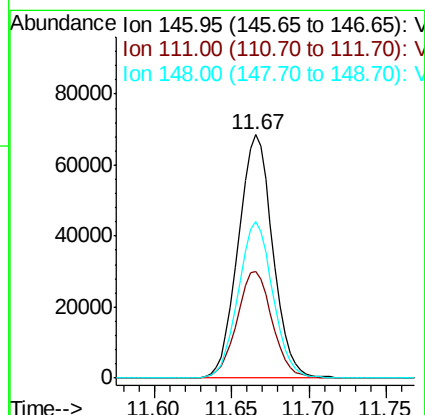
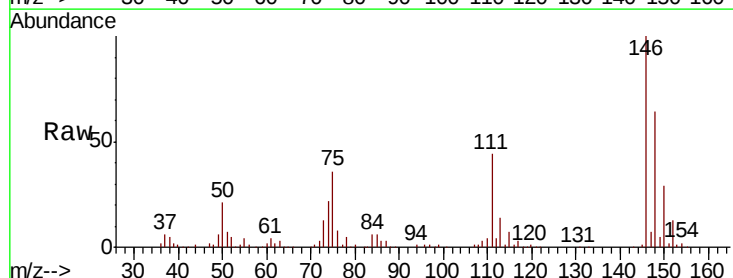
RT: 11.67 min Scan# 3289

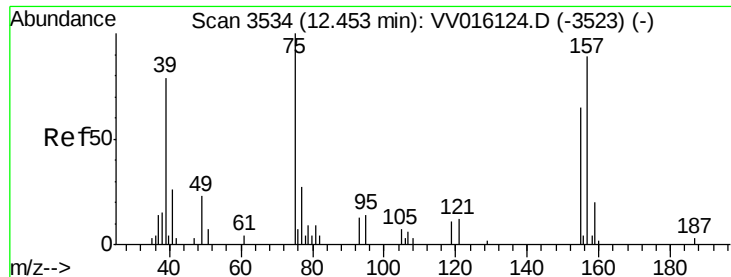
Delta R.T. -0.00 min

Lab File: VV016145.D

Acq: 21 May 2020 09:35

Tgt Ion:146	Resp:	106439
Ion Ratio	Lower	Upper
146	100	
111	43.9	37.0 55.4
148	64.3	49.8 74.6

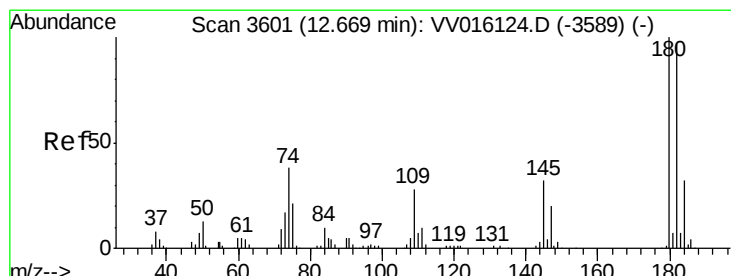
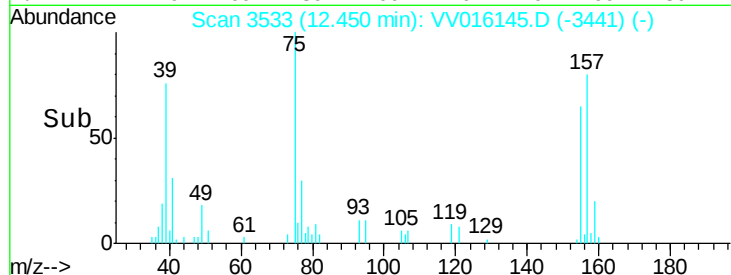
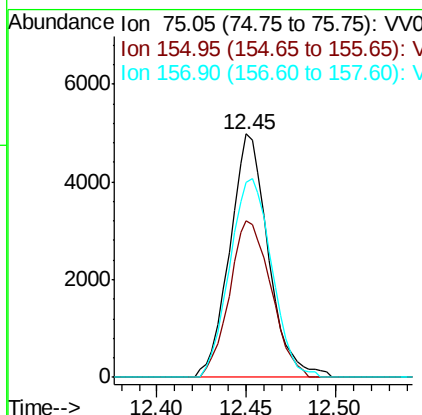
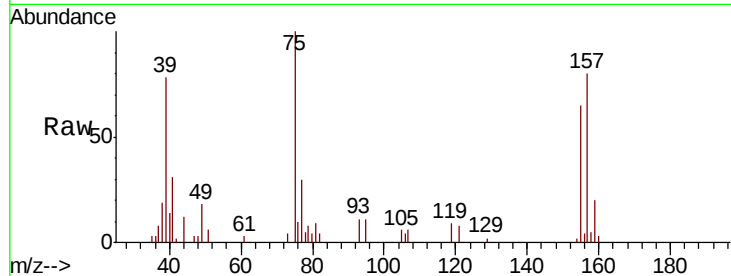




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.760 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

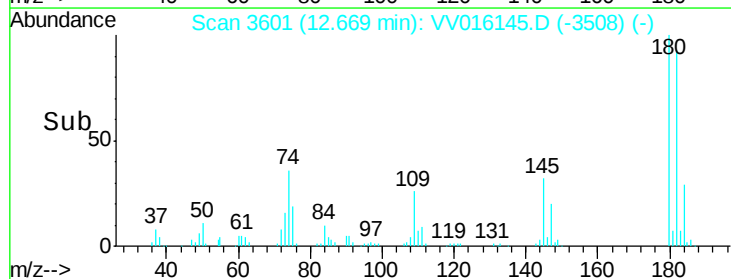
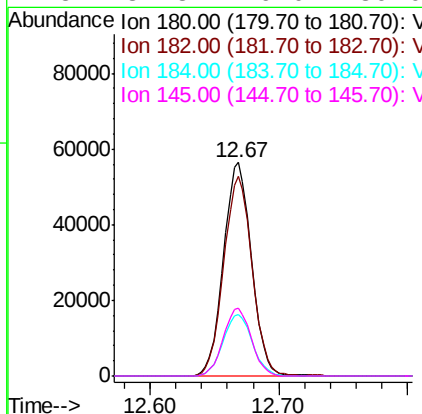
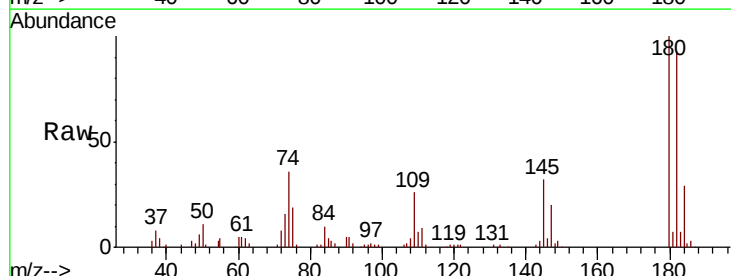
Instrument :
 MSVOA_V
 ClientSampleId :

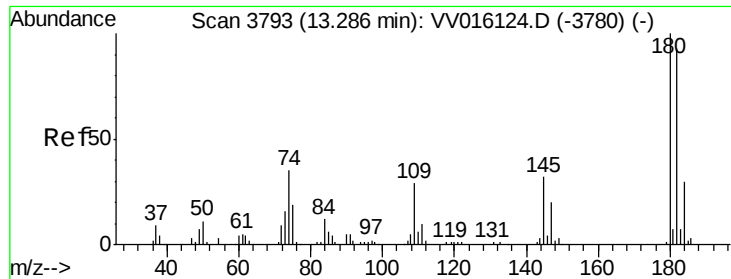
Tot Ion: 75 Resp: 7472
 Ion Ratio Lower Upper
 75 100
 155 64.6 58.2 87.4
 157 80.3 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 5.286 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Tgt Ion: 180 Resp: 84865
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.8 113.6
 184 30.0 24.6 36.8
 145 31.8 26.0 39.0

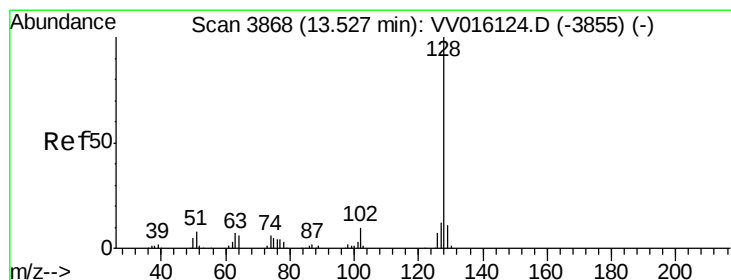
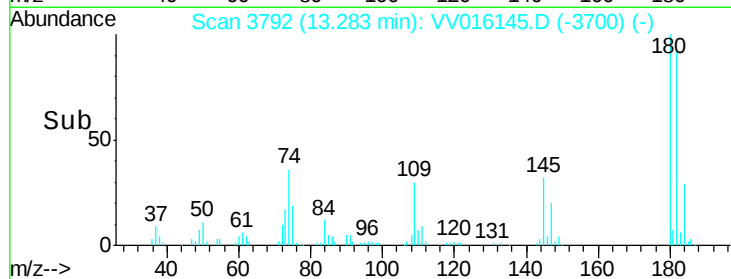
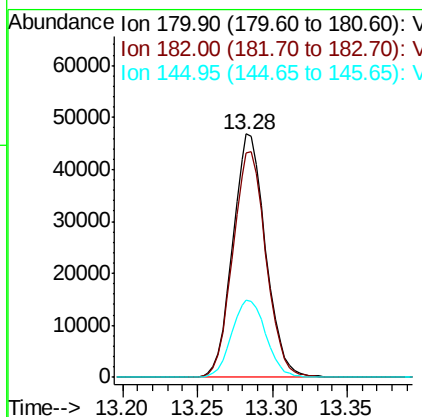
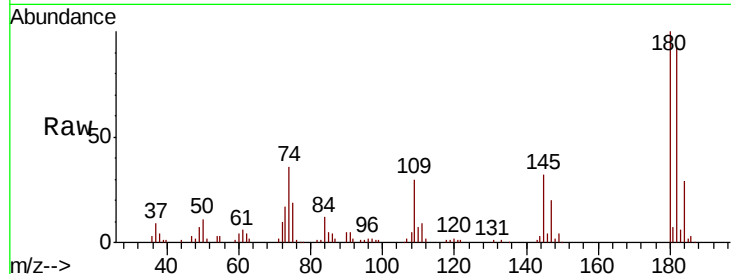




#69
 1,2,4-trichlorobenzene
 Concen: 5.184 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

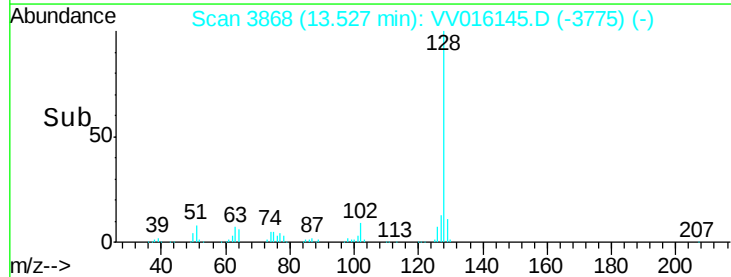
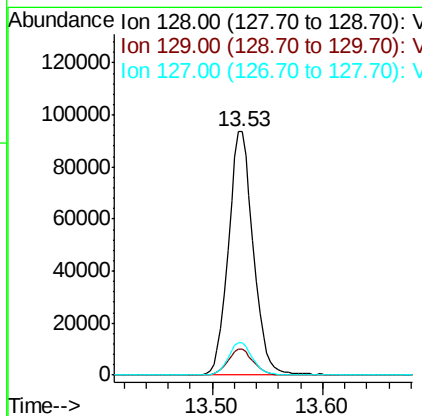
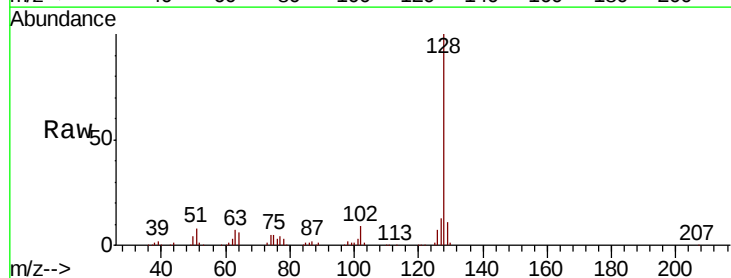
Instrument :
 MSVOA_V
 ClientSampleId :

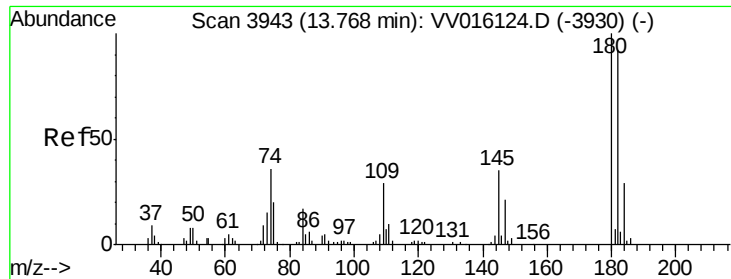
Tot Ion:180 Resp: 71511
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 145 32.9 26.4 39.6



#70
 Naphthalene
 Concen: 6.691 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Tgt Ion:128 Resp: 146812
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.5 12.7
 127 13.1 10.2 15.2

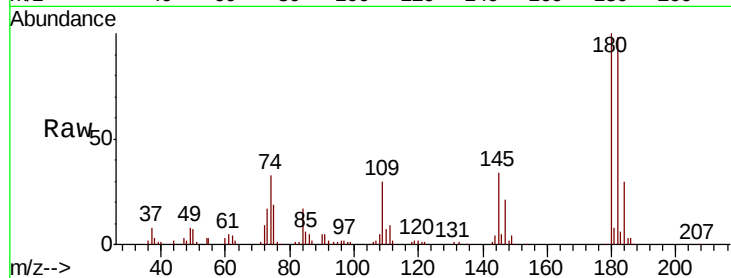




#71
 1,2,3-Trichlorobenzene
 Concen: 5.284 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016145.D
 Acq: 21 May 2020 09:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
145	34.2	28.3	42.5



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

