

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
 Data File : VV017391.D
 Acq On : 08 Jul 2020 12:31
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Quant Time: Jul 09 02:05:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 02:01:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	317801	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	302039	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	165625	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80170	48.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.92%
7) Chloroethane-d5	1.58	69	57075	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.22%
11) 1,1-Dichloroethene-d2	2.12	63	183506	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.98%
21) 2-Butanone-d5	3.90	46	108619	96.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.12%
24) Chloroform-d	4.37	84	182721	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.05	65	130472	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
32) Benzene-d6	5.07	84	324300	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.09	67	90692	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.33	98	315347	50.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.54%
43) trans-1,3-Dichloropropene-	7.64	79	55061	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
47) 2-Hexanone-d5	8.11	63	80237	104.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127964	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	137523	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	163433	47.889	ug/L	100
3) Chloromethane	1.25	50	113902	47.406	ug/L	100
5) Vinyl chloride	1.32	62	116765	48.081	ug/L	97
6) Bromomethane	1.53	94	64141	52.034	ug/L	96
8) Chloroethane	1.59	64	60929	48.354	ug/L	100
9) Trichlorofluoromethane	1.76	101	216084	47.528	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102517	48.577	ug/L	98
12) 1,1-Dichloroethene	2.13	96	93810	49.145	ug/L	93
13) Acetone	2.18	43	153995	100.110	ug/L	100
14) Carbon disulfide	2.31	76	283766	48.844	ug/L	98
15) Methyl Acetate	2.44	43	99989	48.970	ug/L	98
16) Methylene chloride	2.52	84	105332	47.397	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	100376	48.356	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	340004	49.097	ug/L	100
19) 1,1-Dichloroethane	3.21	63	180951	47.408	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	107935	48.530	ug/L	99
22) 2-Butanone	3.98	43	154204	102.554	ug/L	92

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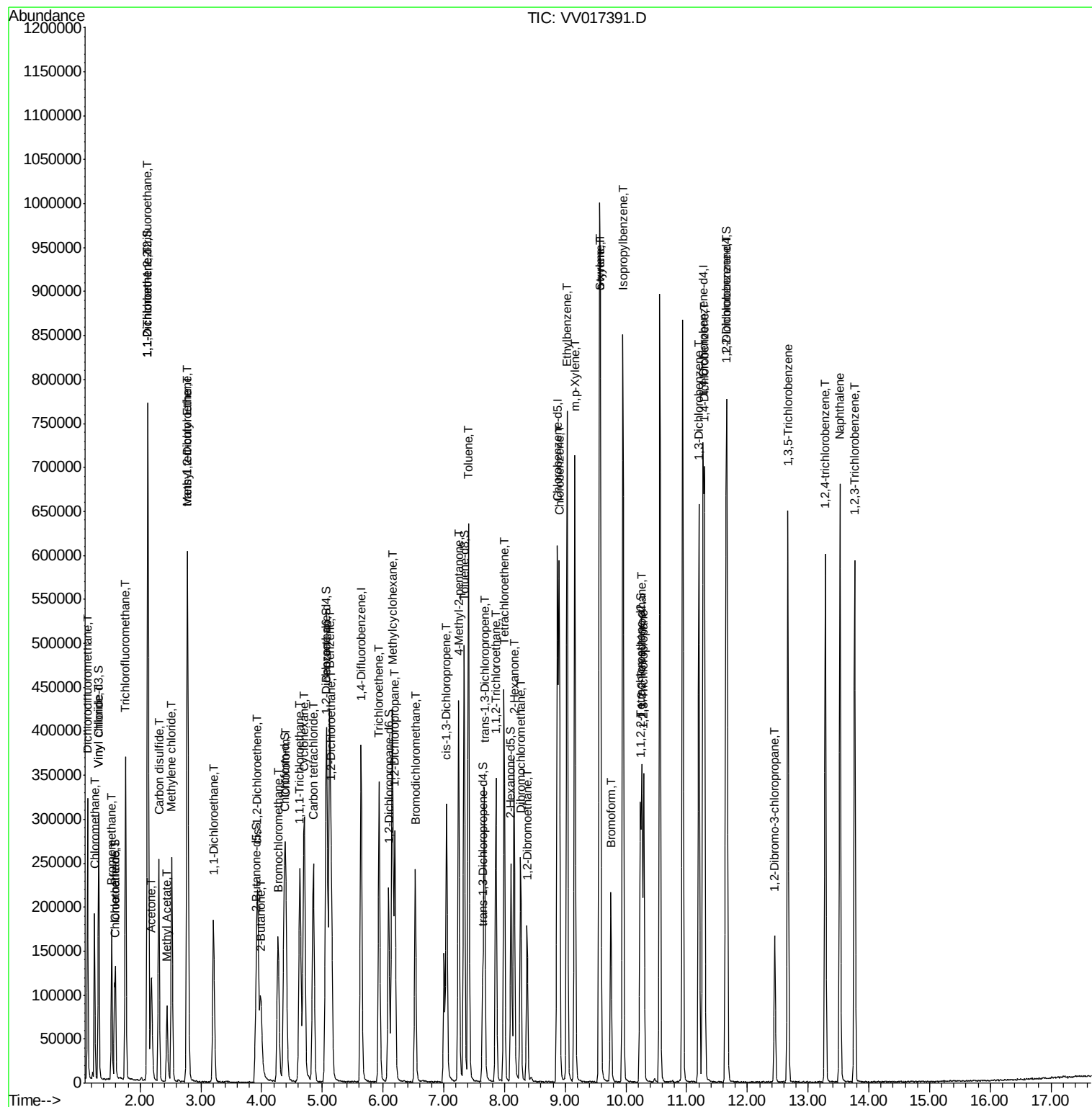
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	59605	48.164	uq/L	97
25) Chloroform	4.40	83	203176	47.424	uq/L	100
27) 1,2-Dichloroethane	5.15	62	178908	47.509	uq/L	99
29) Cyclohexane	4.70	56	156249	49.607	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	199157	47.950	uq/L	99
31) Carbon tetrachloride	4.85	117	186737	49.120	uq/L	99
33) Benzene	5.12	78	391433	49.027	uq/L	100
34) Trichloroethene	5.94	95	112339	47.392	uq/L	98
35) Methylcyclohexane	6.15	83	171255	49.337	uq/L	99
37) 1,2-Dichloropropane	6.20	63	94196	48.237	uq/L	98
38) Bromodichloromethane	6.53	83	156194	49.121	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	169444	50.917	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	265438	98.303	uq/L	99
42) Toluene	7.41	91	441263	49.447	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	176042	51.145	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	99314	46.873	uq/L	99
46) Tetrachloroethene	8.00	164	96810	48.639	uq/L	95
48) 2-Hexanone	8.16	43	221767	101.453	uq/L	99
49) Dibromochloromethane	8.27	129	129097	48.842	uq/L	98
50) 1,2-Dibromoethane	8.37	107	110634	48.785	uq/L	98
51) Chlorobenzene	8.90	112	293007	48.454	uq/L	99
52) Ethylbenzene	9.03	91	504367	49.412	uq/L	100
53) m,p-Xylene	9.16	106	189746	49.653	uq/L	94
54) o-xylene	9.56	106	186654	50.851	uq/L	97
55) Styrene	9.58	104	316930	49.708	uq/L	96
56) Isopropylbenzene	9.95	105	515388	50.470	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	146206	46.990	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	129022	47.680	uq/L	98
61) Bromoform	9.75	173	94270	47.319	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	252686	48.893	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	251668	47.980	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	247523	48.045	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40390	48.180	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	195455	50.206	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	174253	51.043	uq/L	100
69) Naphthalene	13.52	128	502426	52.700	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	176817	50.919	uq/L	99

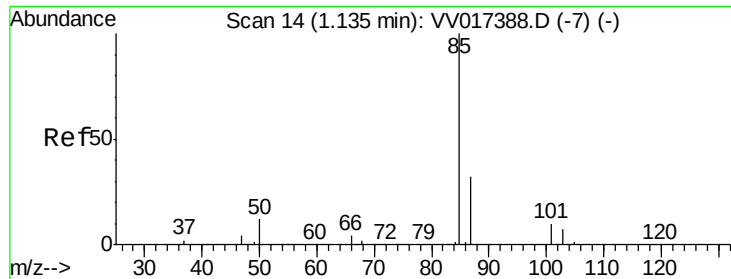
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.889 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

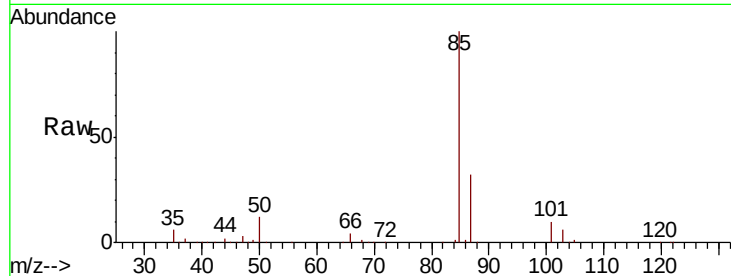
VICV63

Tot Ion: 85 Resp: 163433

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

200000

150000

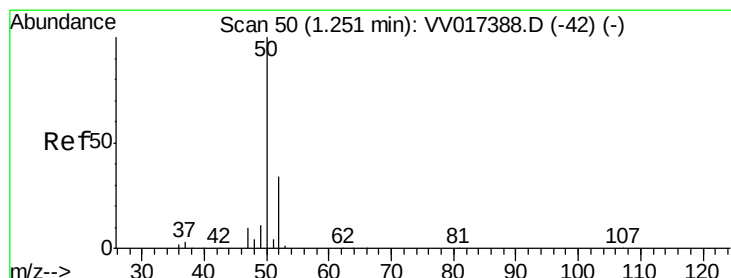
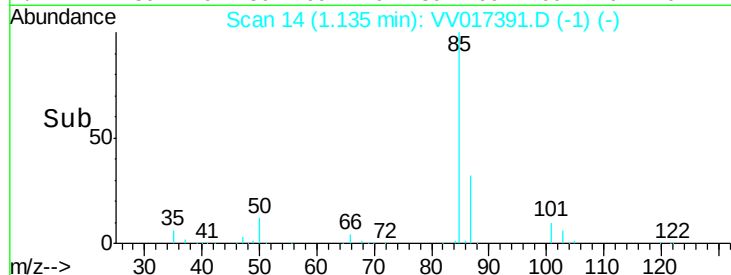
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 47.406 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017391.D

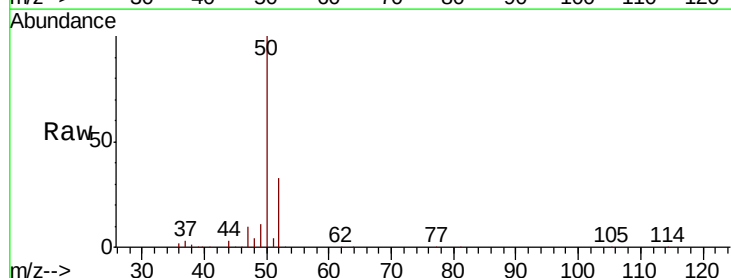
Acq: 08 Jul 2020 12:31

Tgt Ion: 50 Resp: 113902

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

120000

100000

80000

60000

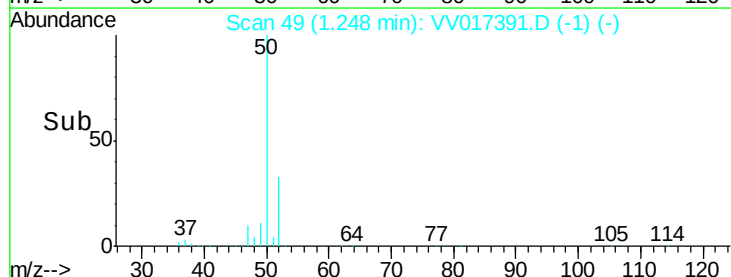
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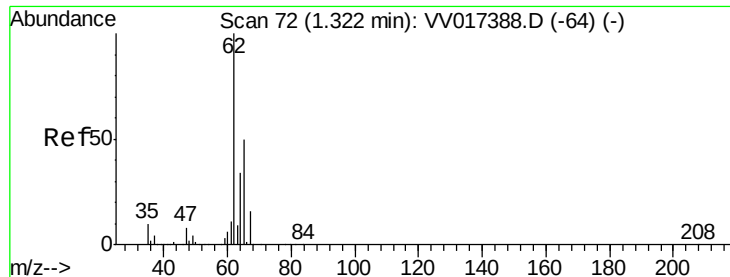
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 48.081 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

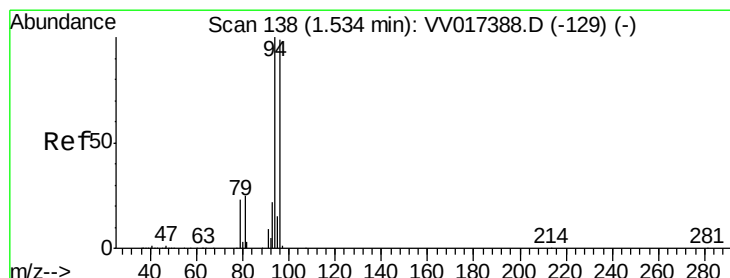
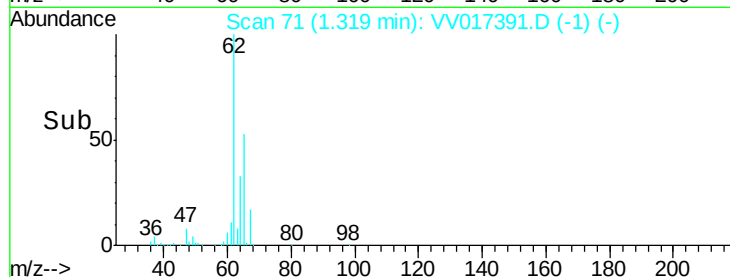
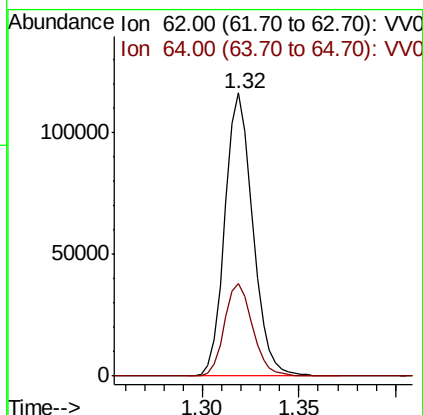
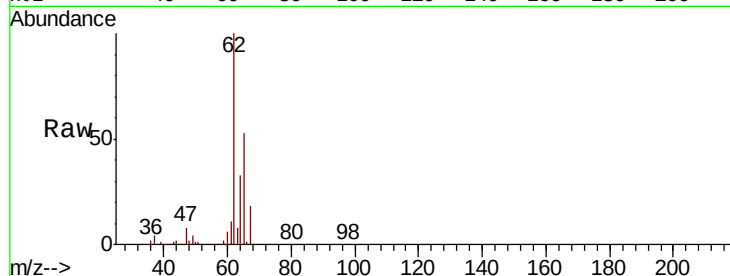
VICV63

Tot Ion: 62 Resp: 116765

Ion Ratio Lower Upper

62 100

64 32.9 24.1 44.7



#6

Bromomethane

Concen: 52.034 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017391.D

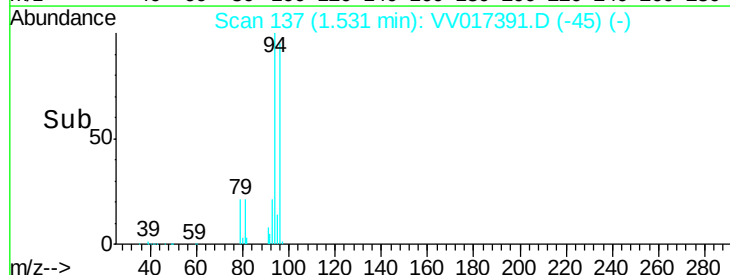
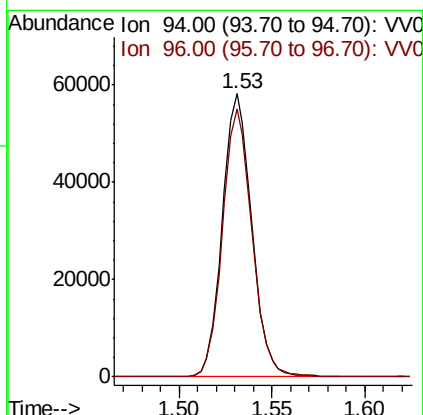
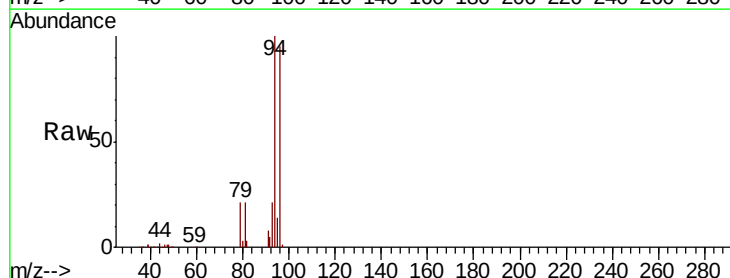
Acq: 08 Jul 2020 12:31

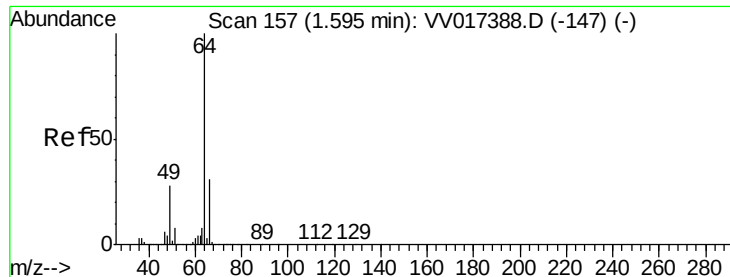
Tgt Ion: 94 Resp: 64141

Ion Ratio Lower Upper

94 100

96 94.9 69.0 128.1

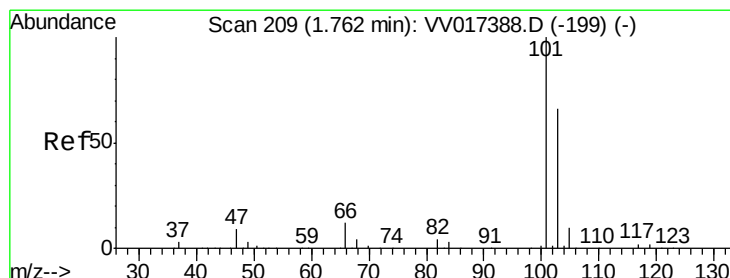
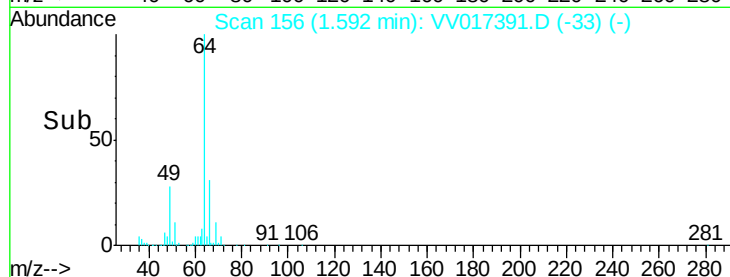
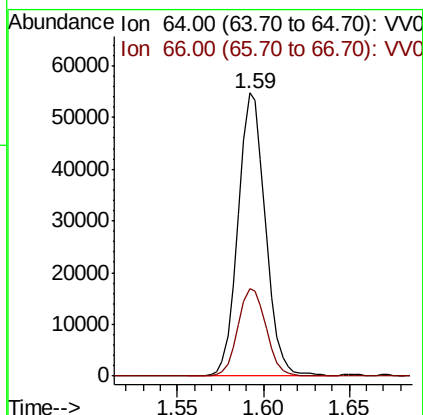
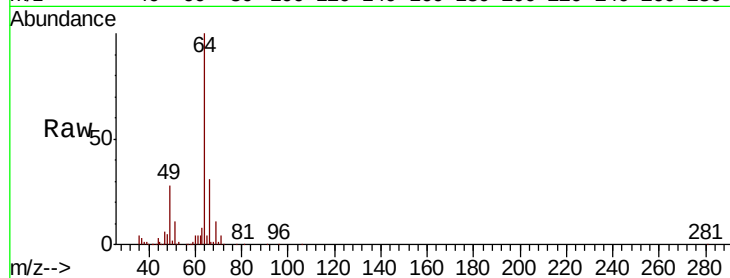




#8
Chloroethane
Concen: 48.354 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

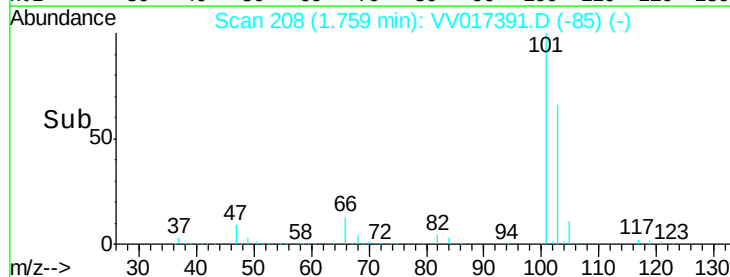
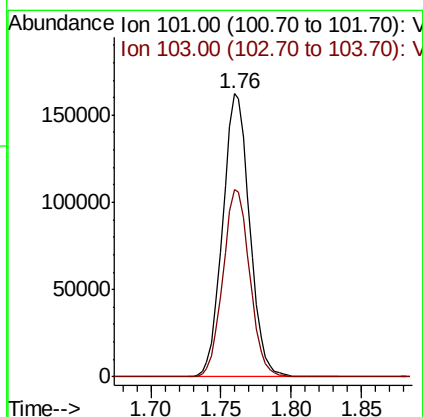
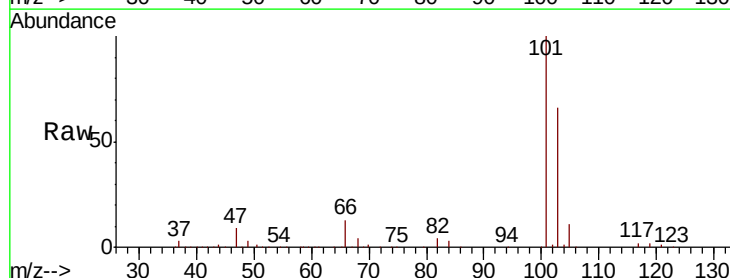
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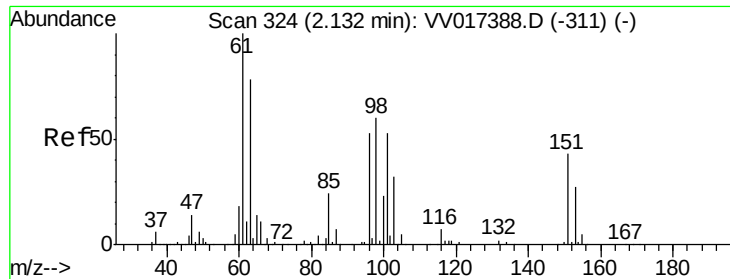
Tot Ion: 64 Resp: 60929
Ion Ratio Lower Upper
64 100
66 30.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 47.528 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

Tgt Ion: 101 Resp: 216084
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9





#10

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

Concen: 48.577 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

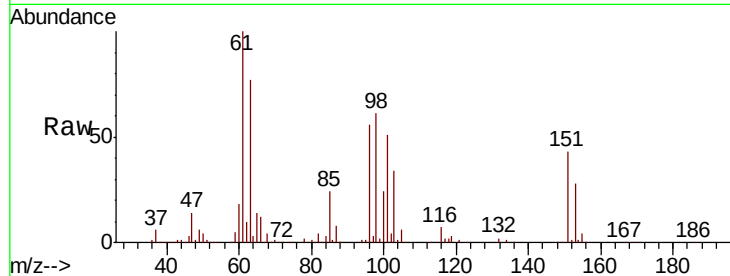
Tot Ion:101 Resp: 102517

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.4

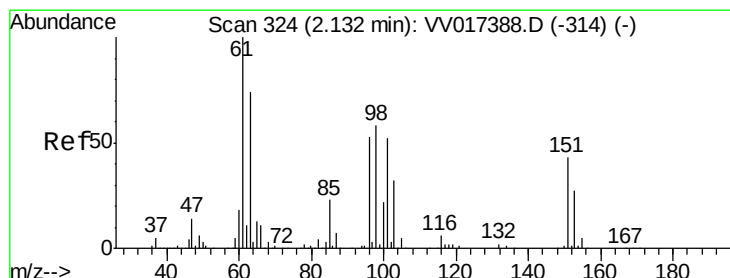
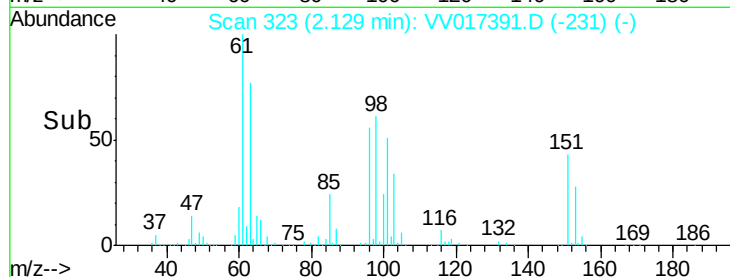
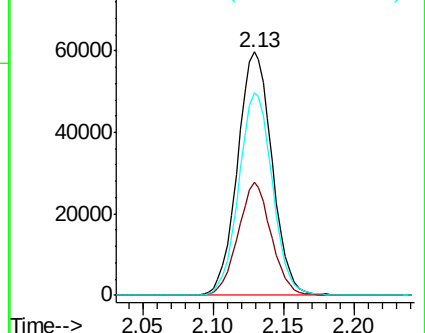
151 81.2 66.8 100.2



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: 49.145 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

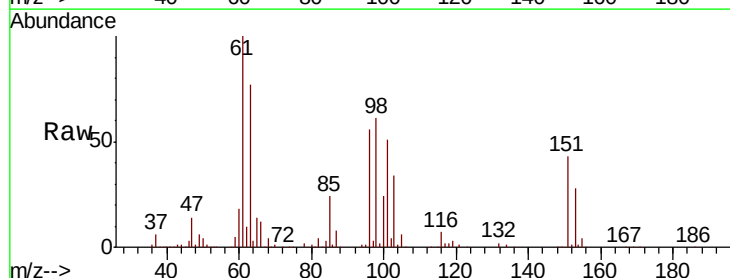
Tgt Ion: 96 Resp: 93810

Ion Ratio Lower Upper

96 100

61 180.2 132.7 246.4

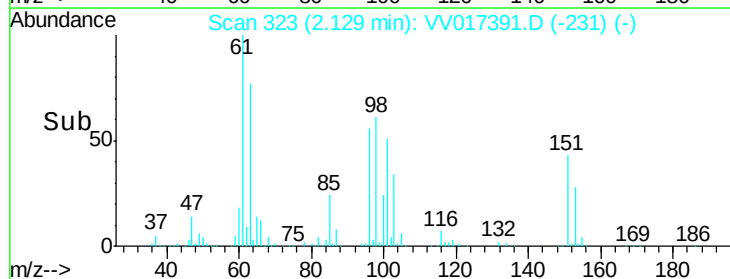
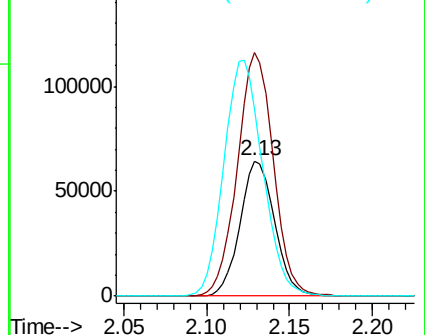
63 138.8 103.3 191.8

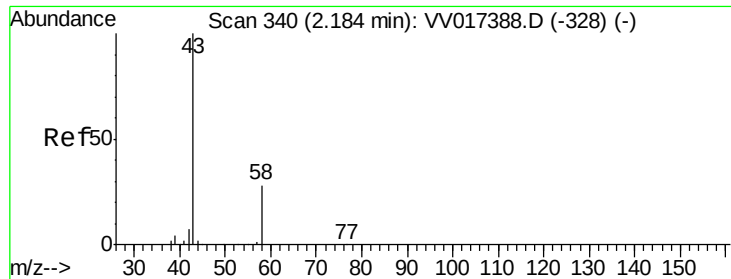


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 100.110 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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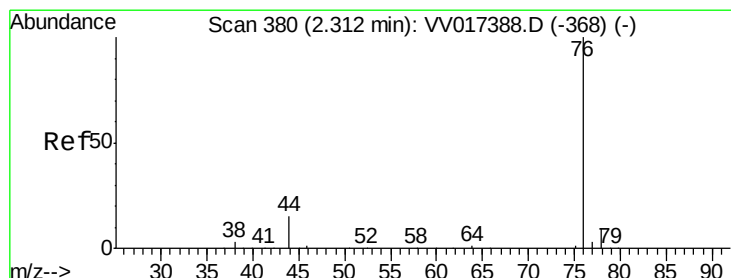
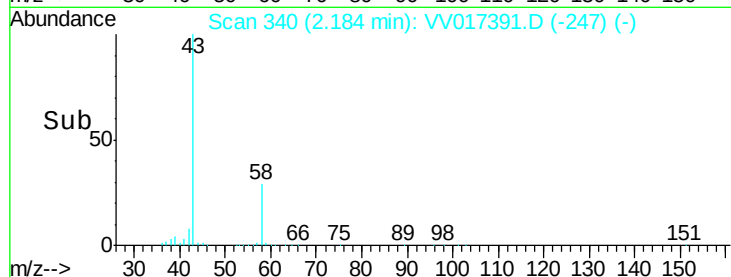
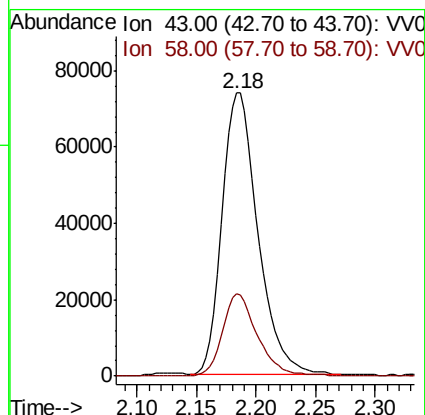
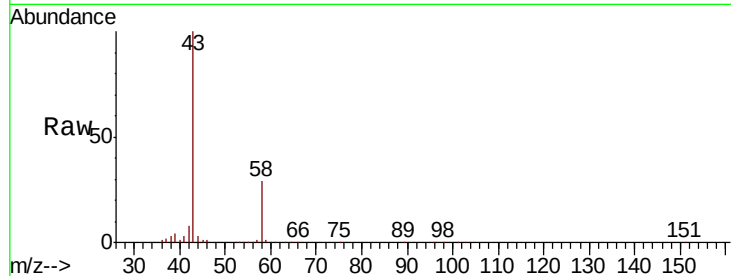
VICV63

Tot Ion: 43 Resp: 153995

Ion Ratio Lower Upper

43 100

58 28.1 0.0 56.0



#14

Carbon disulfide

Concen: 48.844 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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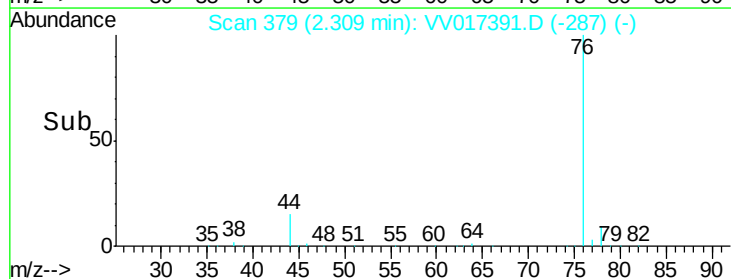
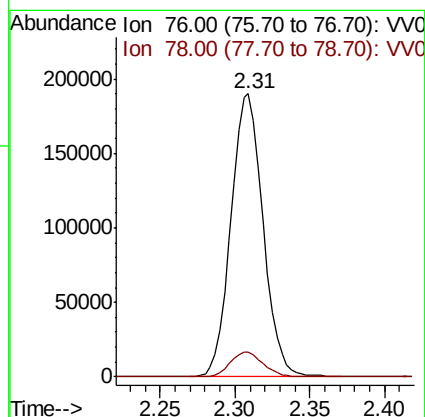
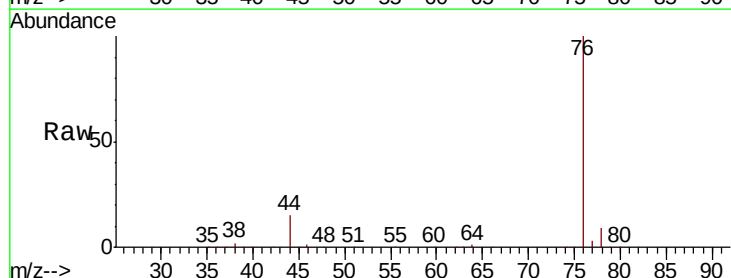
Acq: 08 Jul 2020 12:31

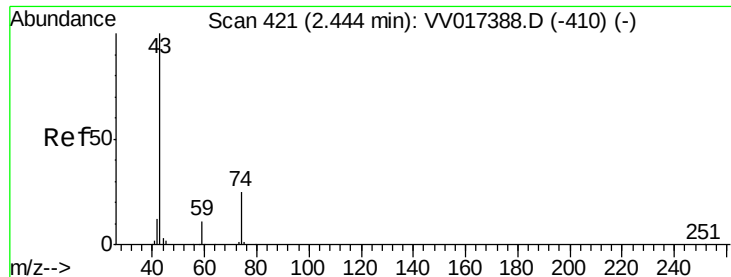
Tgt Ion: 76 Resp: 283766

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

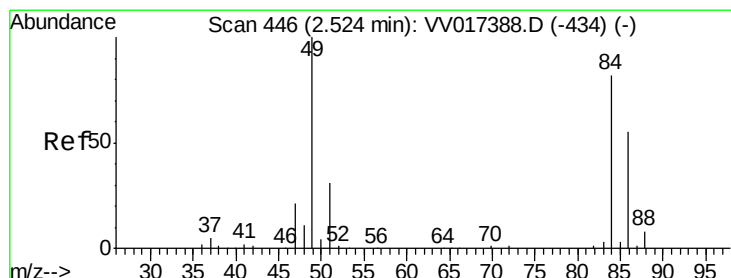
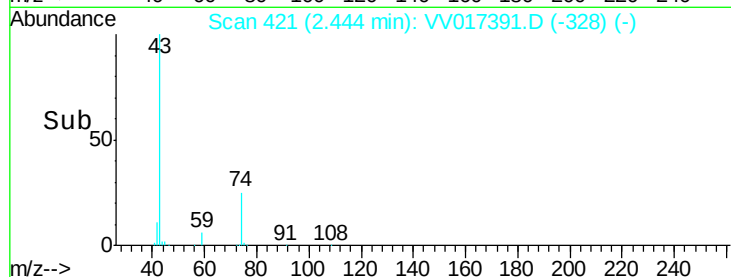
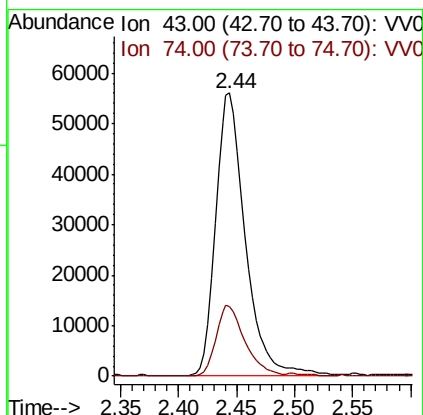
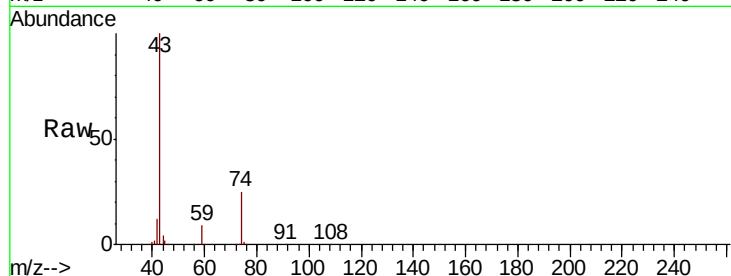




#15
Methvl Acetate
Concen: 48.970 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

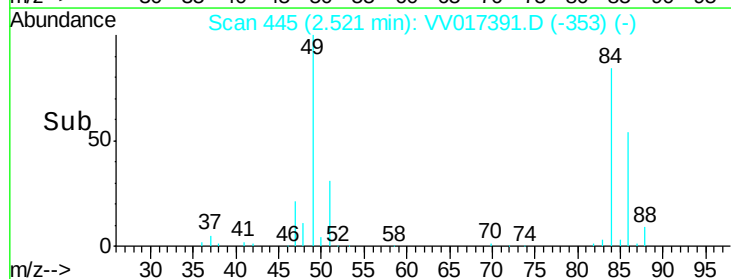
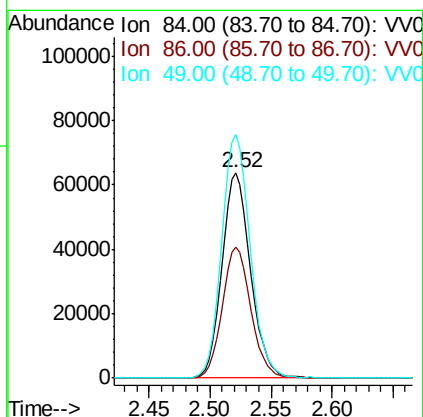
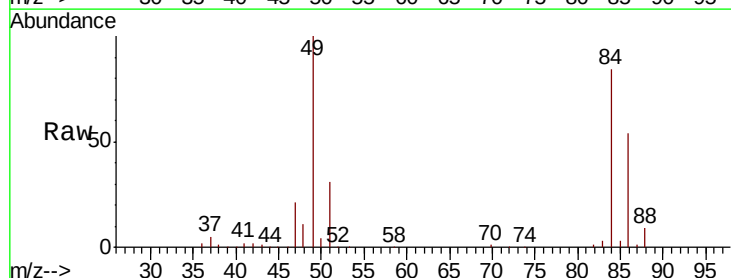
Instrument :
MSVOA_V
ClientSampleId :
VICV63

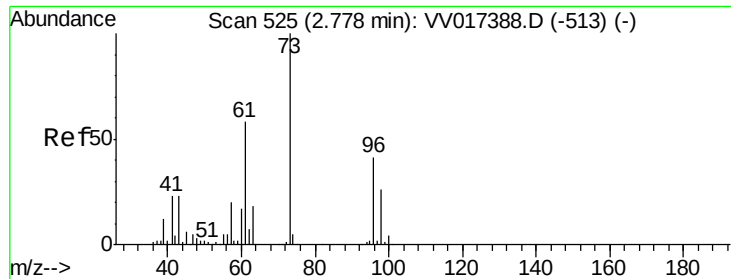
Tot Ion: 43 Resp: 99989
Ion Ratio Lower Upper
43 100
74 24.5 20.2 30.4



#16
Methylene chloride
Concen: 47.397 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

Tgt Ion: 84 Resp: 105332
Ion Ratio Lower Upper
84 100
86 64.0 46.5 86.5
49 118.6 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 48.356 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

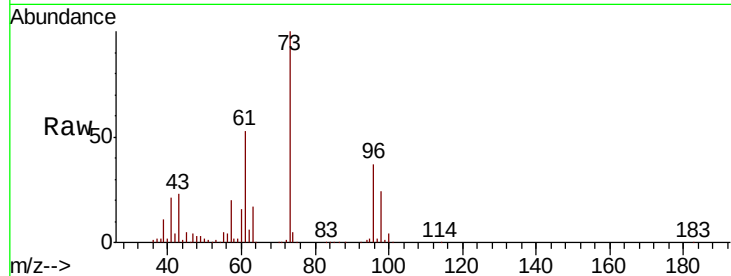
Tot Ion: 96 Resp: 100376

Ion Ratio Lower Upper

96 100

61 142.3 99.0 184.0

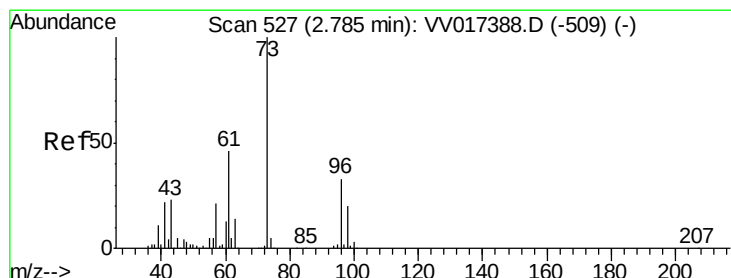
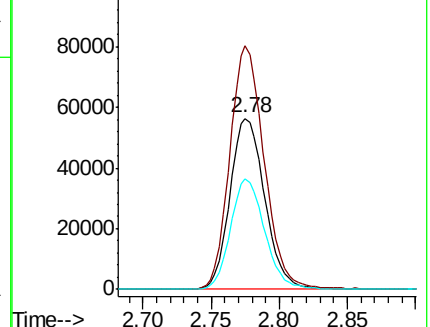
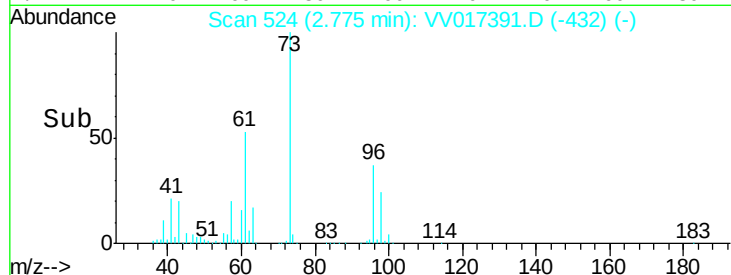
98 64.6 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV017391.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV017391.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV017391.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 49.097 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

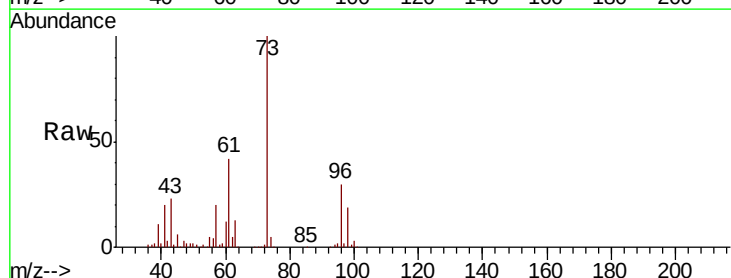
Tgt Ion: 73 Resp: 340004

Ion Ratio Lower Upper

73 100

43 22.6 18.2 27.2

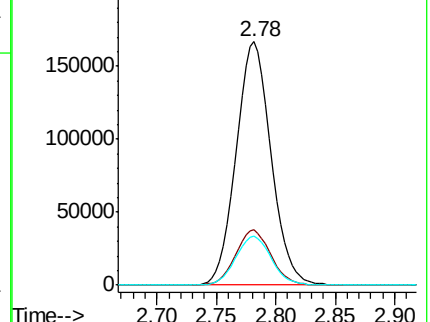
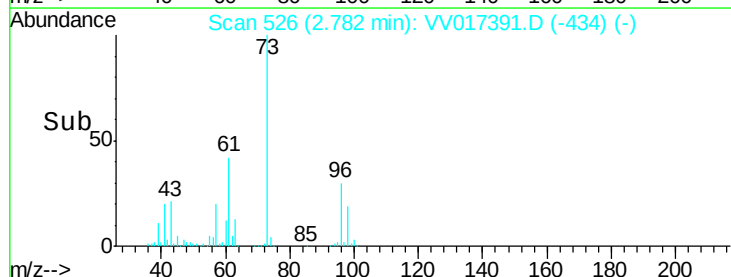
57 20.4 16.2 24.4

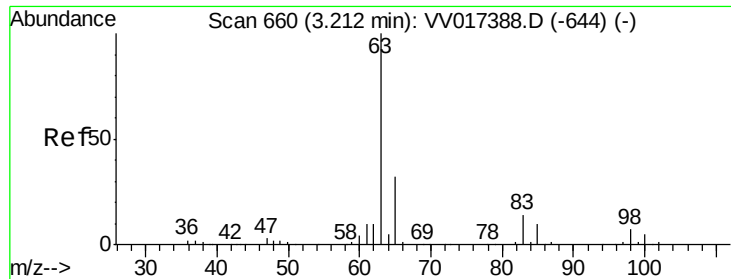


Abundance Ion 73.00 (72.70 to 73.70): VV017391.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV017391.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV017391.D (-434) (-)

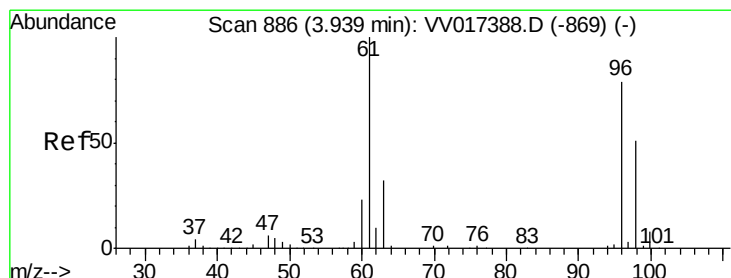
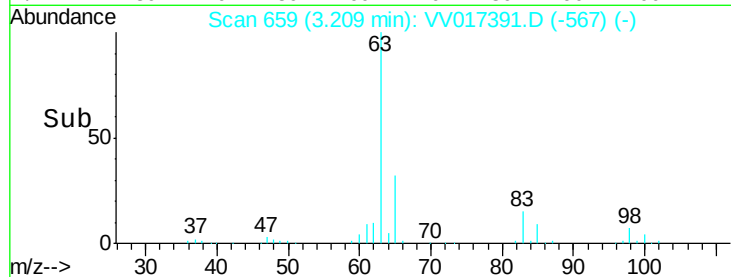
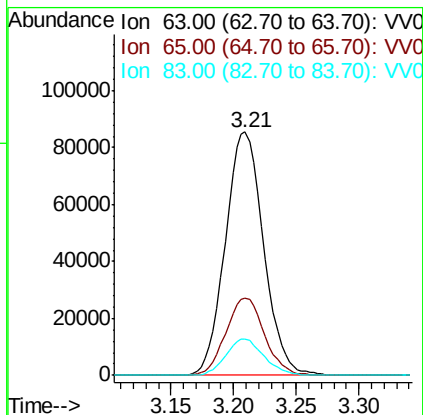
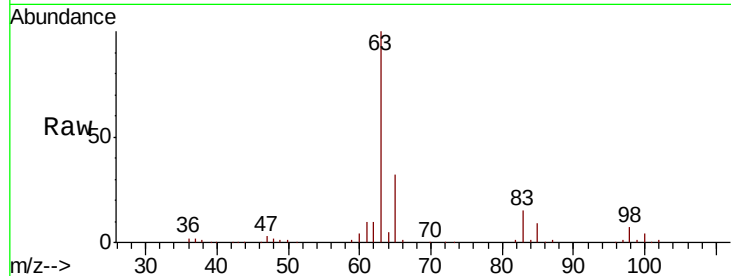




#19
 1,1-Dichloroethane
 Concen: 47.408 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

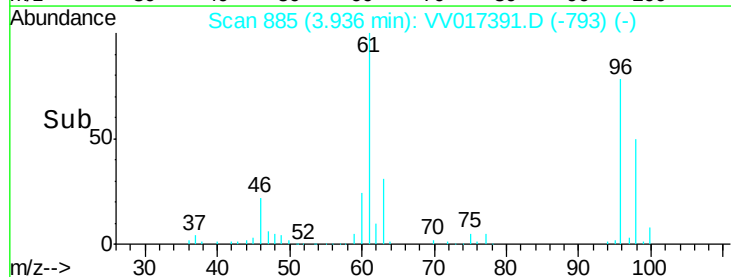
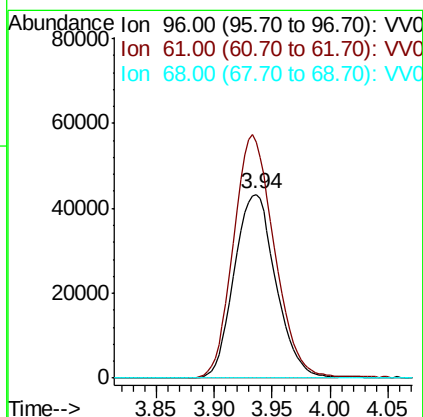
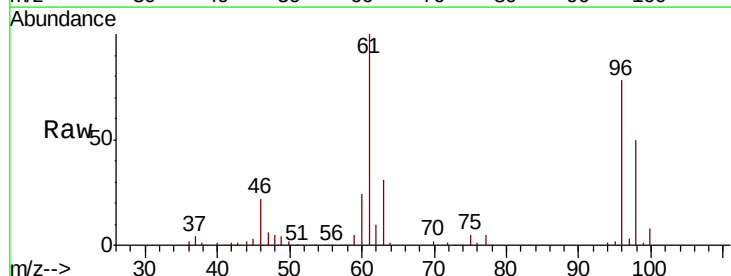
Instrument :
 MSVOA_V
 ClientSampled :
 VICV63

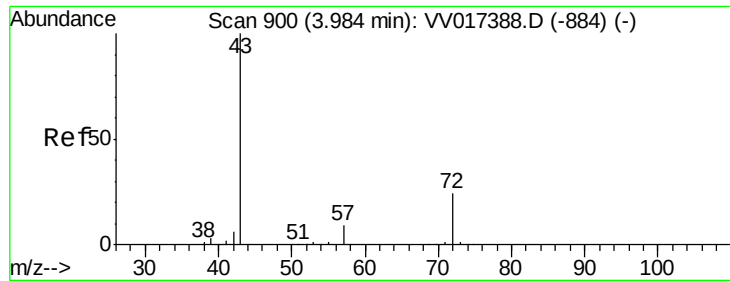
Tot Ion: 63 Resp: 180951
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 15.1 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.530 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

Tgt Ion: 96 Resp: 107935
 Ion Ratio Lower Upper
 96 100
 61 128.4 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.554 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

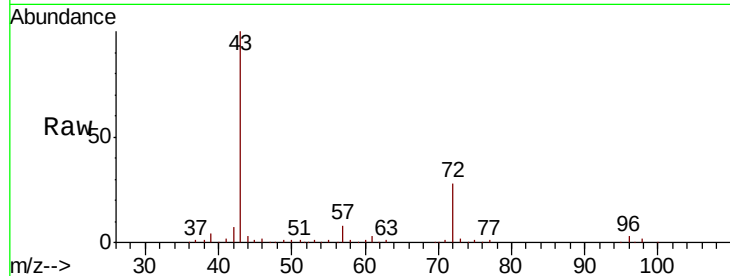
VICV63

Tot Ion: 43 Resp: 154204

Ion Ratio Lower Upper

43 100

72 27.6 11.9 35.5

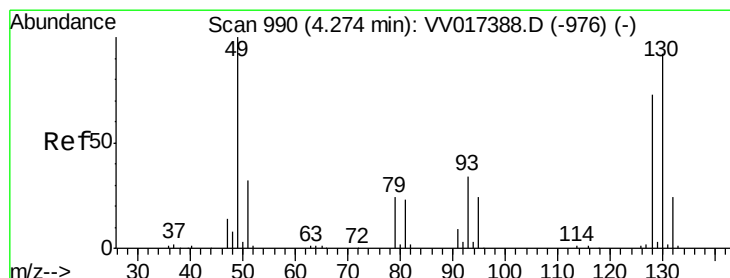
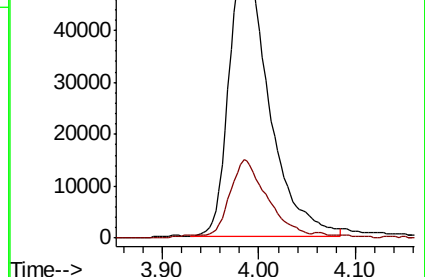
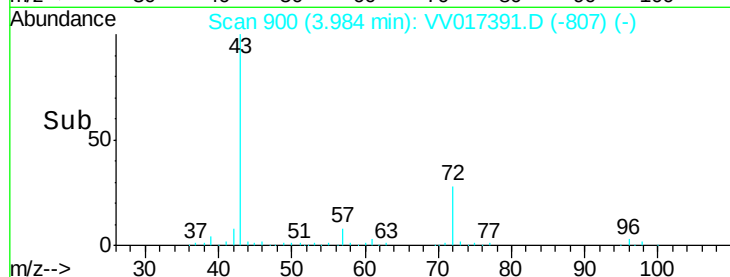


Abundance Ion 43.00 (42.70 to 43.70): VV017388.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017388.D (-884) (-)

3.98

Time-->



#23

Bromochloromethane

Concen: 48.164 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Tgt Ion:128 Resp: 59605

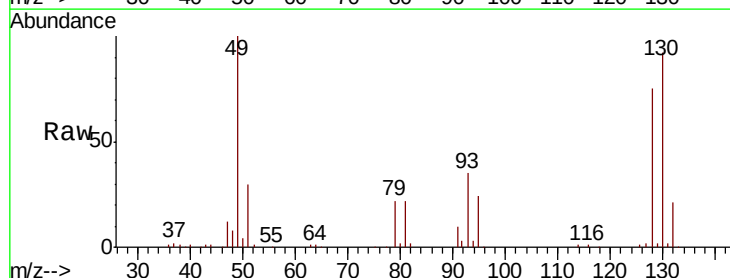
Ion Ratio Lower Upper

128 100

49 134.2 96.7 179.5

130 123.9 88.3 164.1

51 40.8 36.1 54.1



Abundance Ion 128.00 (127.70 to 128.70): VV017388.D (-976) (-)

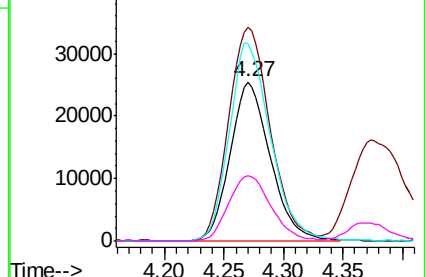
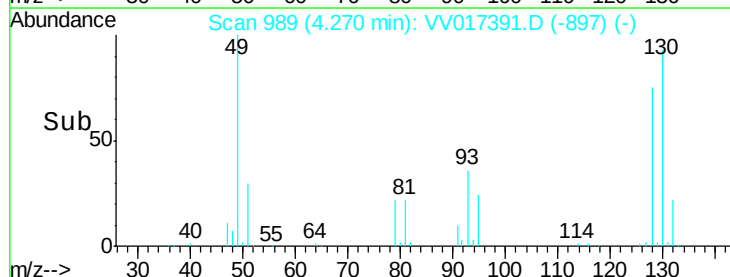
Ion 49.00 (48.70 to 49.70): VV017388.D (-976) (-)

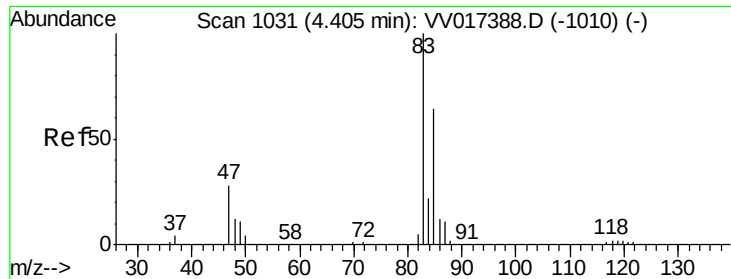
Ion 130.00 (129.70 to 130.70): VV017388.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV017388.D (-976) (-)

4.27

Time-->

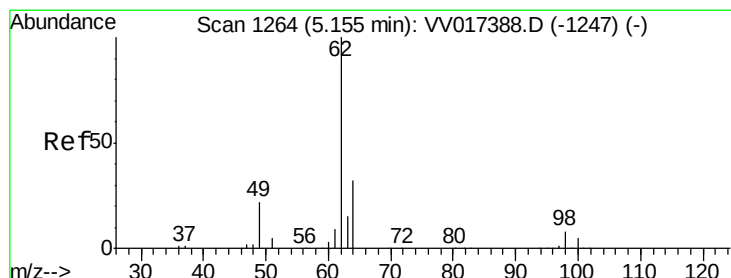
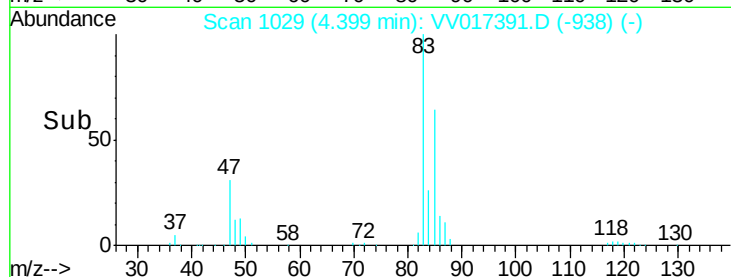
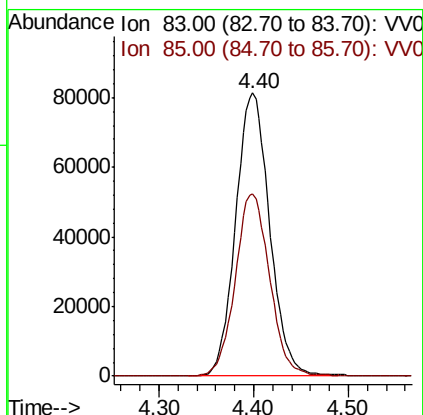
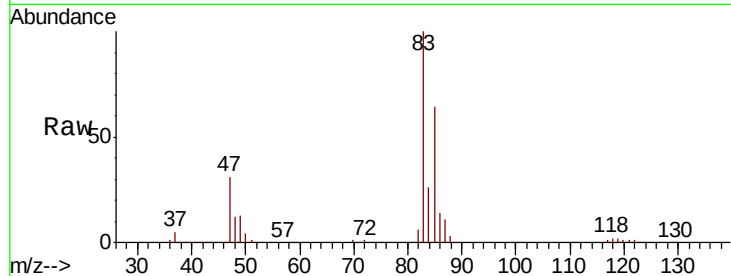




#25
Chloroform
Concen: 47.424 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

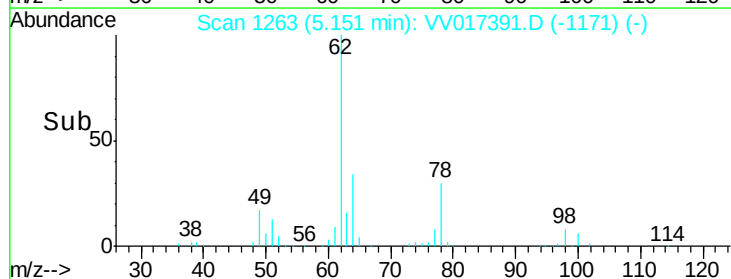
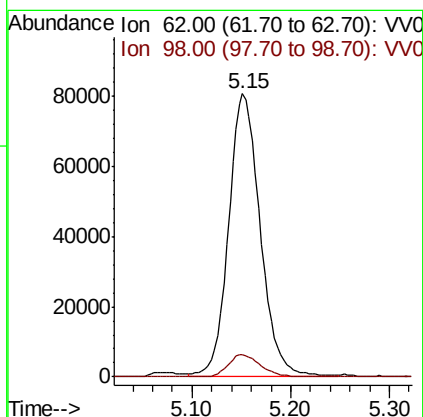
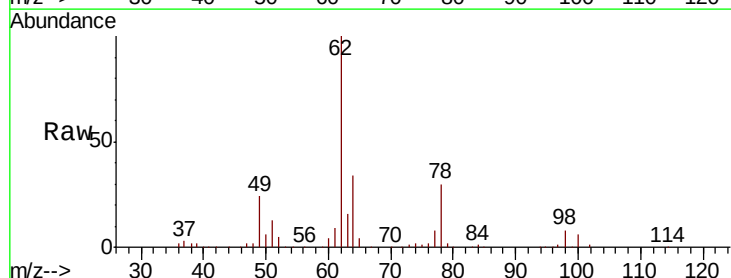
Instrument :
MSVOA_V
ClientSampleId :
VICV63

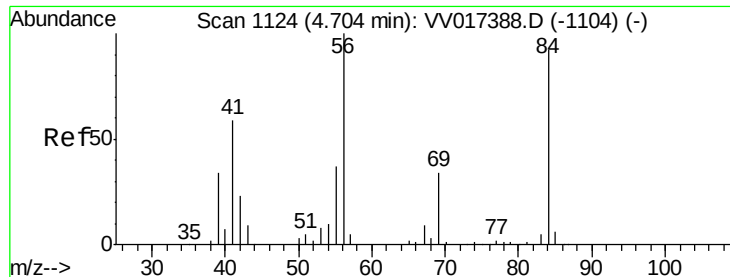
Tot Ion: 83 Resp: 203176
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 47.509 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

Tgt Ion: 62 Resp: 178908
Ion Ratio Lower Upper
62 100
98 7.7 6.4 9.6

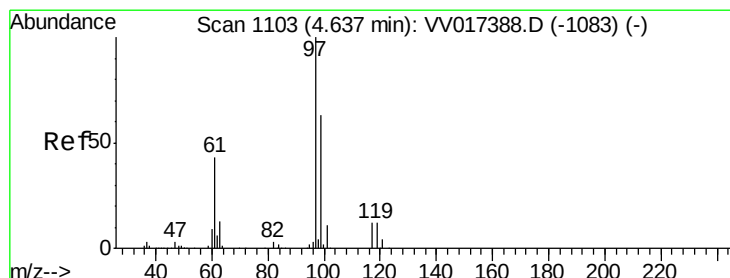
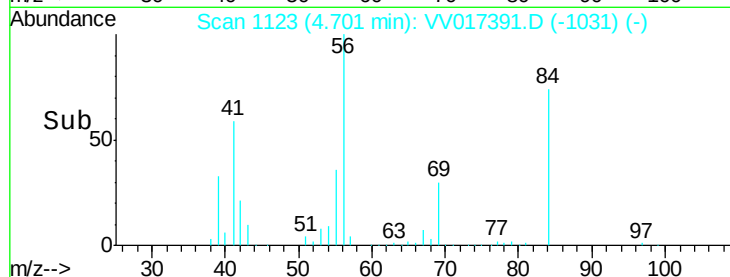
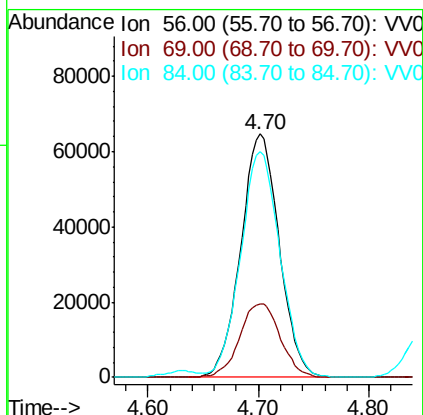
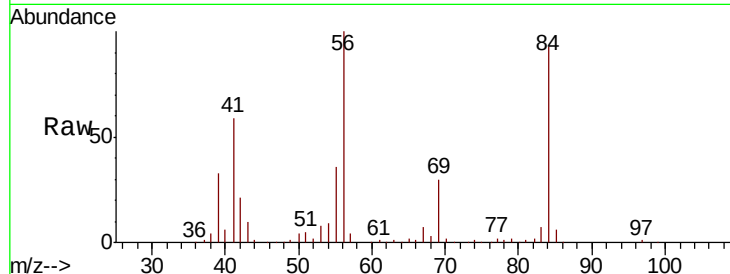




#29
Cyclohexane
Concen: 49.607 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

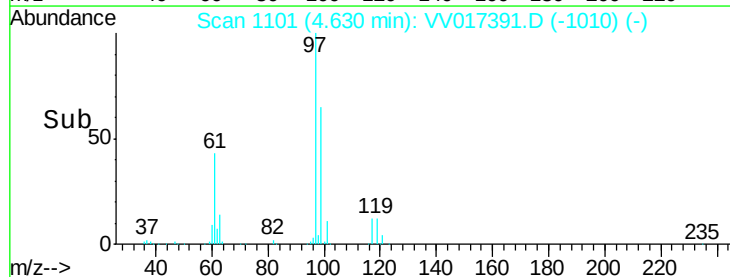
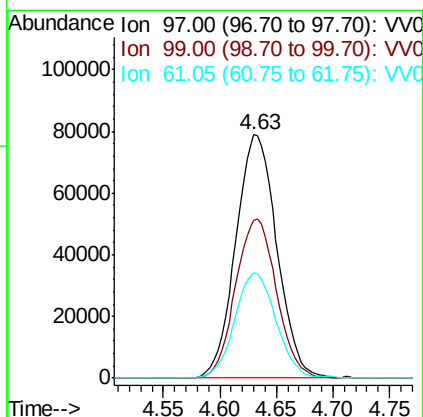
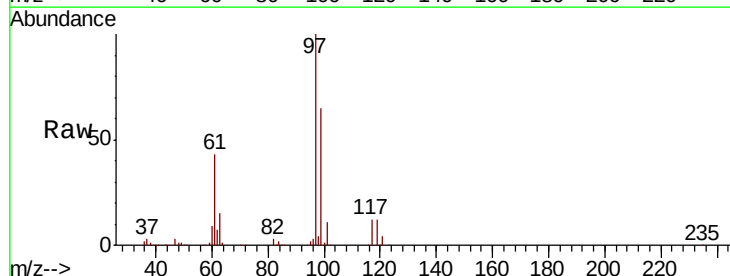
Instrument :
MSVOA_V
ClientSampleId :
VICV63

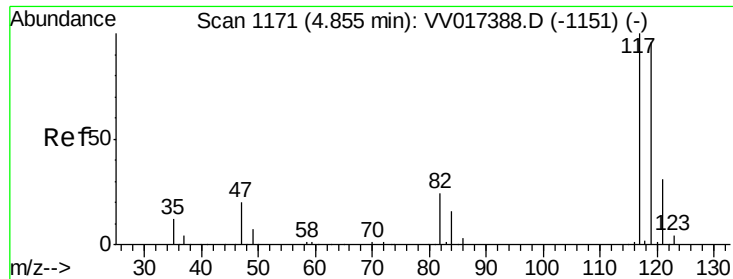
Tot Ion: 56 Resp: 156249
Ion Ratio Lower Upper
56 100
69 31.9 27.0 40.4
84 94.7 77.4 116.0



#30
1,1,1-Trichloroethane
Concen: 47.950 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

Tgt Ion: 97 Resp: 199157
Ion Ratio Lower Upper
97 100
99 65.3 51.3 76.9
61 43.4 34.1 51.1





#31

Carbon tetrachloride

Concen: 49.120 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

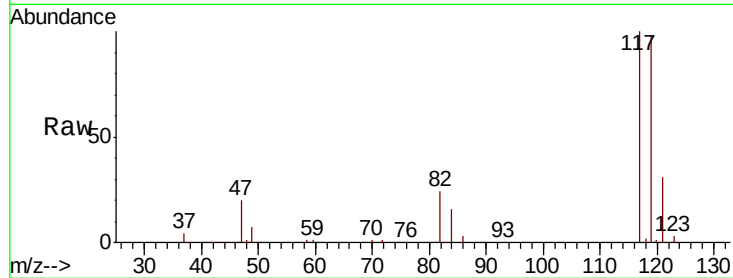
VICV63

Tot Ion:117 Resp: 186737

Ion Ratio Lower Upper

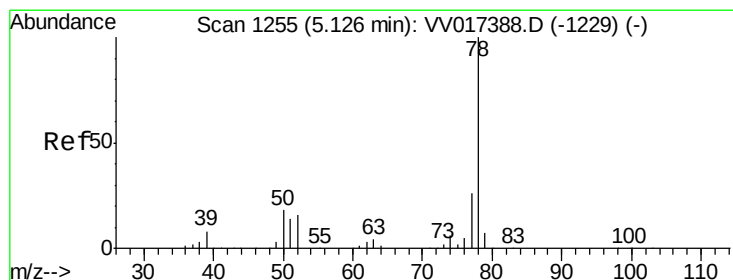
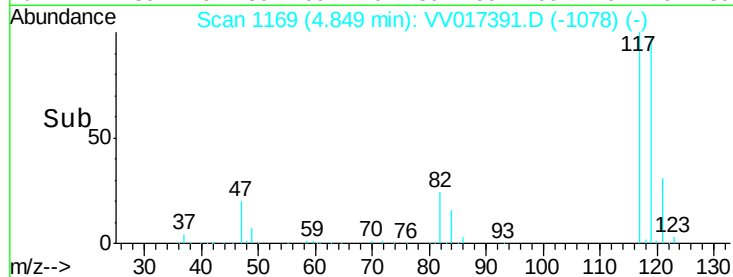
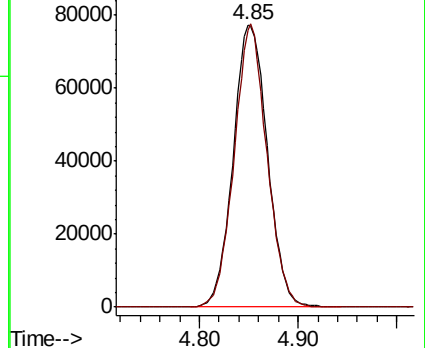
117 100

119 95.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.027 ug/L

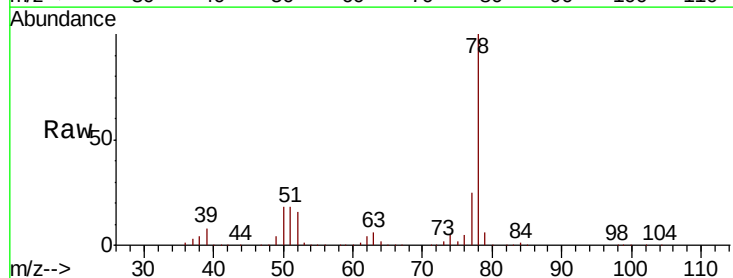
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

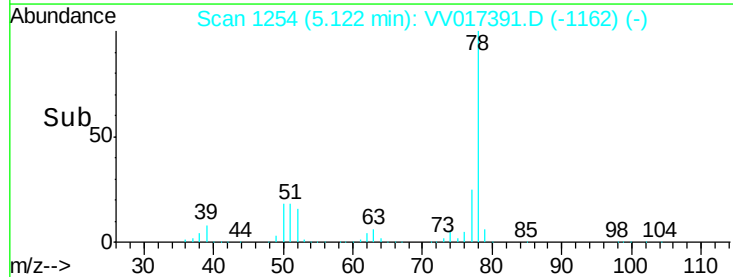
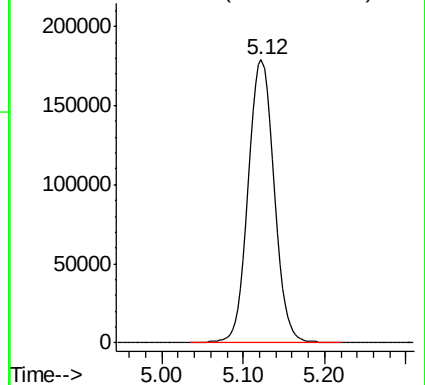
Lab File: VV017391.D

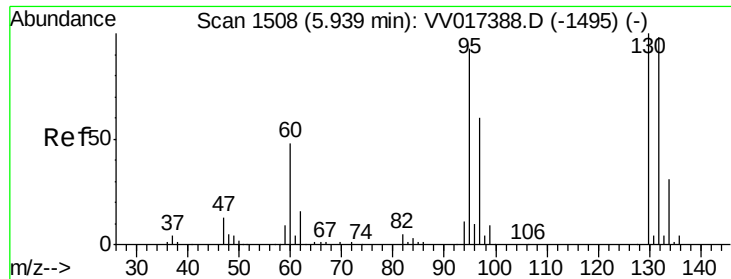
Acq: 08 Jul 2020 12:31

Tgt Ion: 78 Resp: 391433



Abundance Ion 78.00 (77.70 to 78.70): VV0

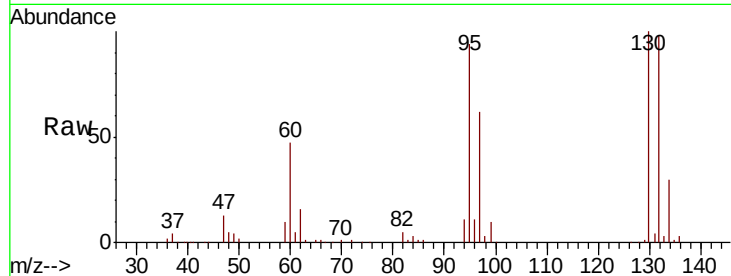




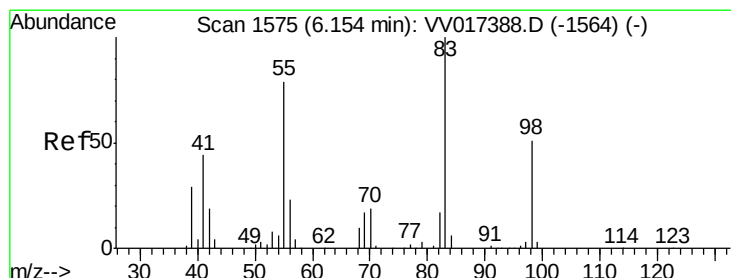
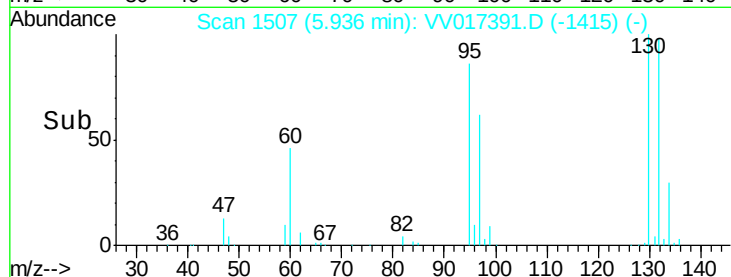
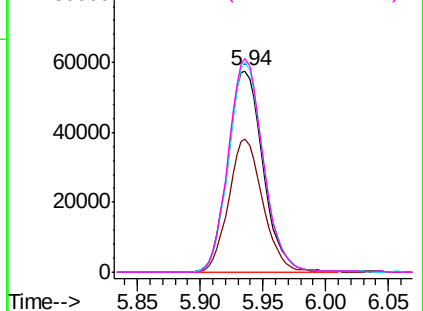
#34
 Trichloroethene
 Concen: 47.392 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Tot Ion:	95	Resp:	112339
Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.6	84.6
132	104.2	74.1	137.5
130	106.0	75.5	140.3

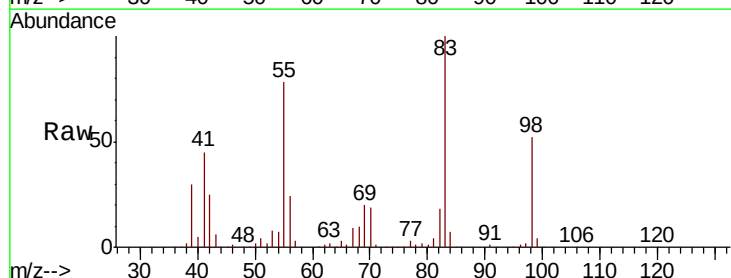


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

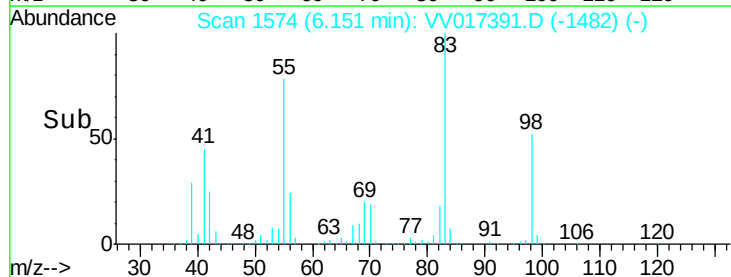
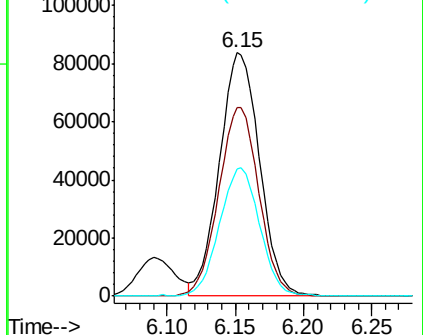


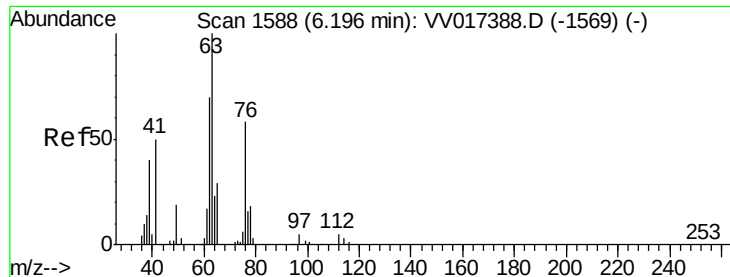
#35
 Methylcyclohexane
 Concen: 49.337 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

Tgt Ion:	83	Resp:	171255
Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.0	91.6
98	52.6	41.3	61.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.237 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

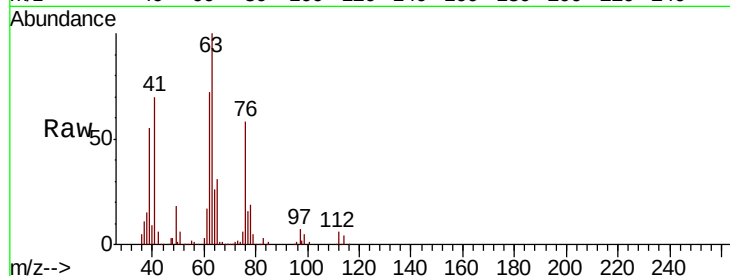
VICV63

Tot Ion: 63 Resp: 94196

Ion Ratio Lower Upper

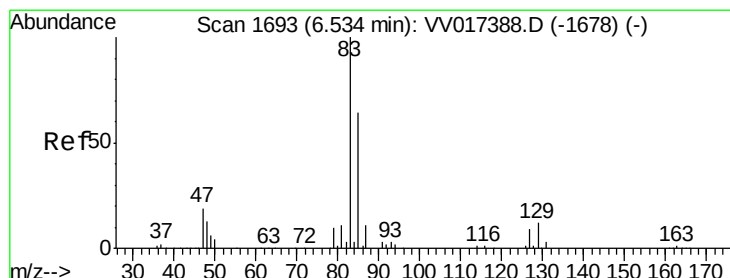
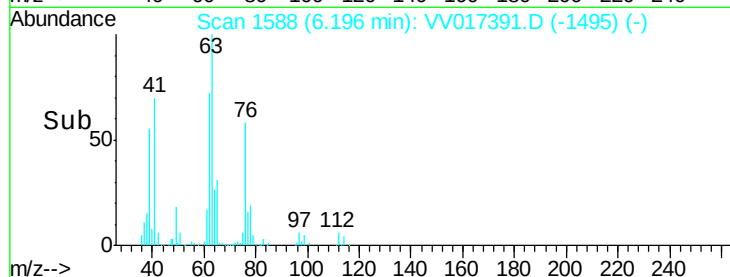
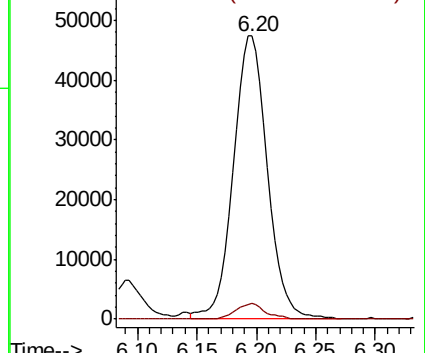
63 100

112 4.8 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 49.121 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

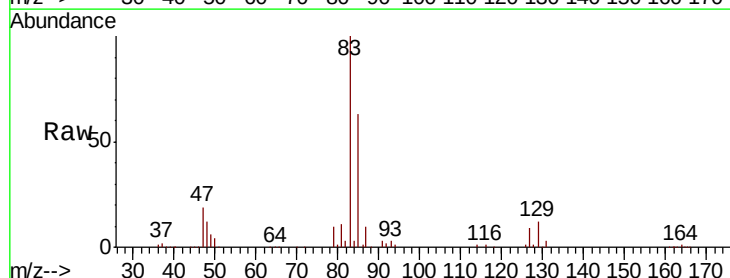
Tgt Ion: 83 Resp: 156194

Ion Ratio Lower Upper

83 100

85 63.3 44.6 82.8

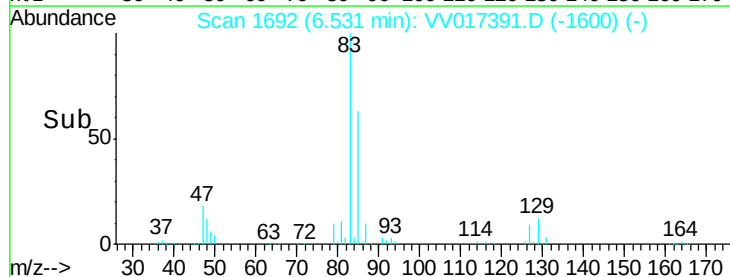
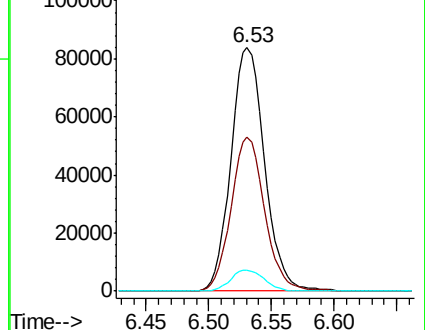
127 8.6 7.4 11.2

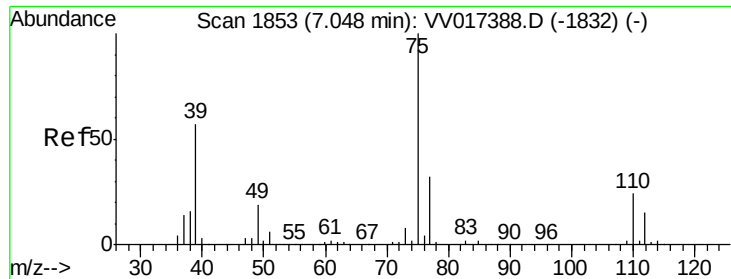


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

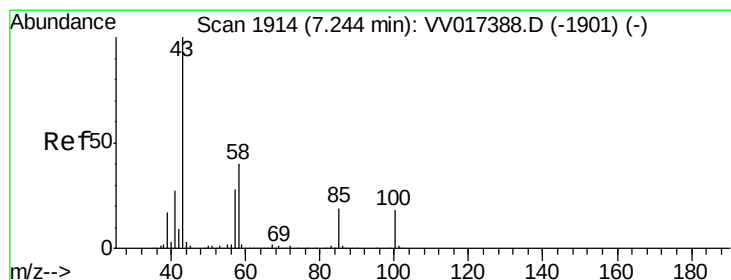
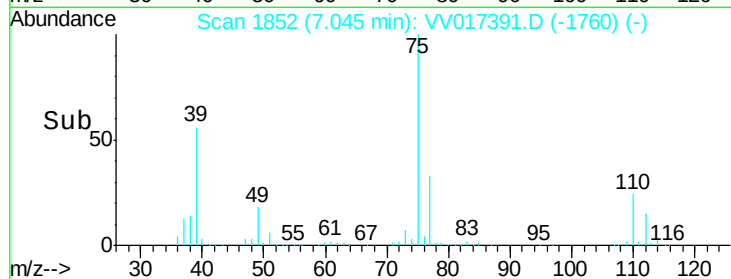
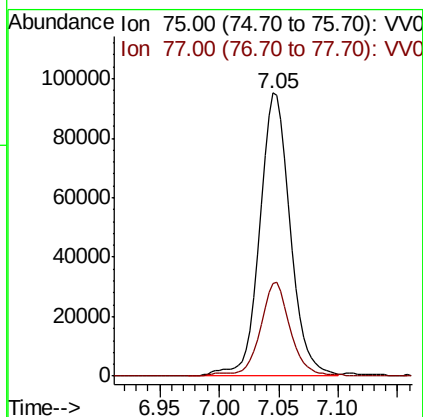
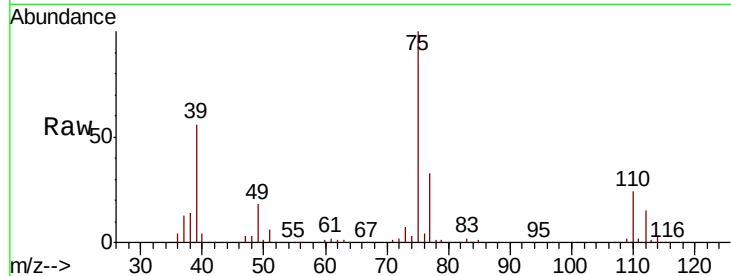




#39
 cis-1,3-Dichloropropene
 Concen: 50.917 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

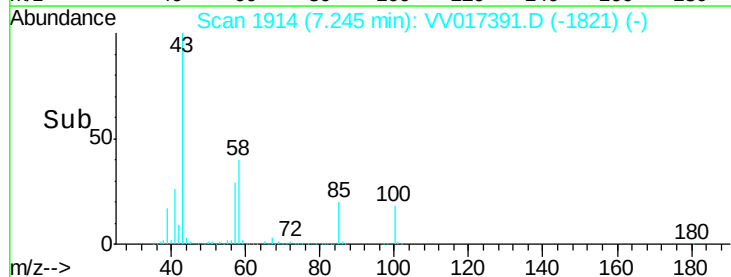
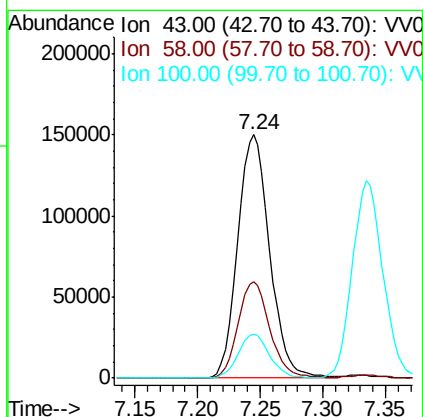
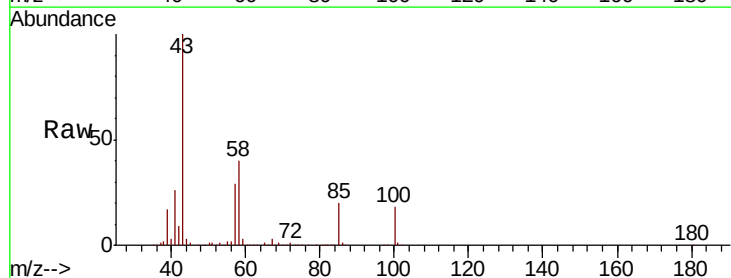
Instrument :
 MSVOA_V
 ClientSampled :
 VICV63

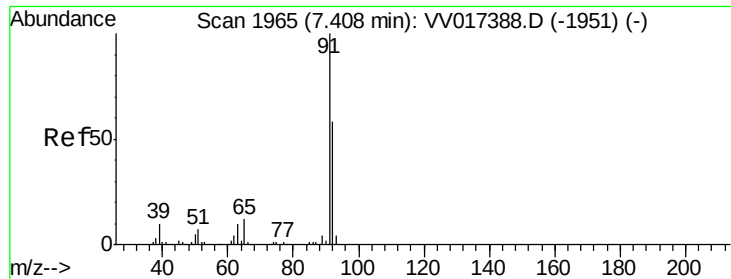
Tot Ion: 75 Resp: 169444
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 98.303 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

Tgt Ion: 43 Resp: 265438
 Ion Ratio Lower Upper
 43 100
 58 39.4 32.2 48.4
 100 17.8 14.1 21.1





#42

Toluene

Concen: 49.447 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

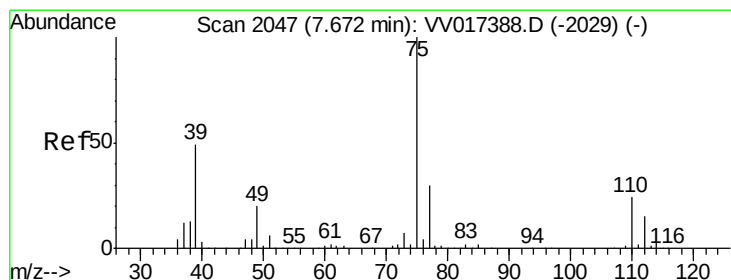
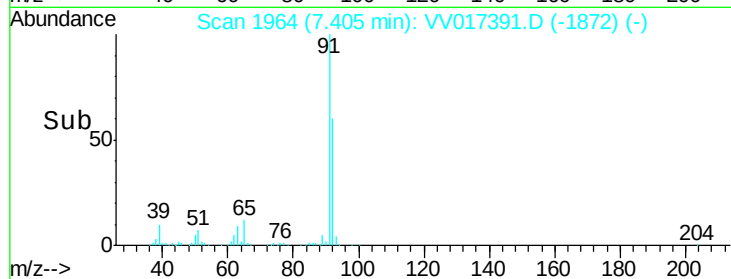
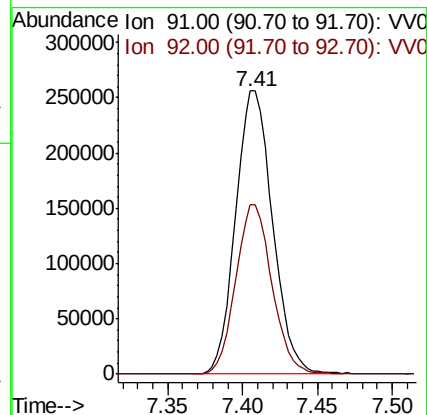
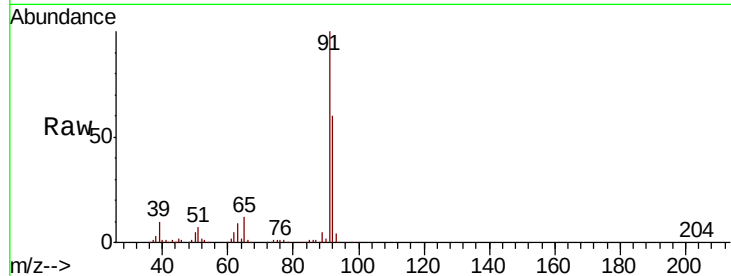
VICV63

Tot Ion: 91 Resp: 441263

Ion Ratio Lower Upper

91 100

92 59.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 51.145 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017391.D

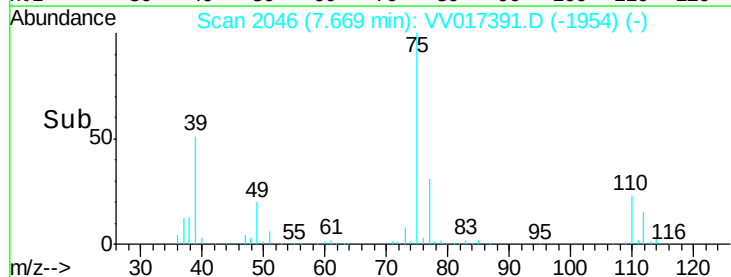
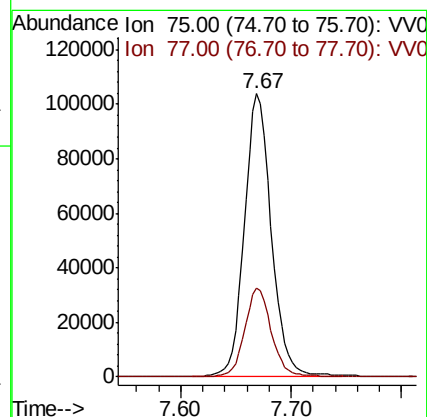
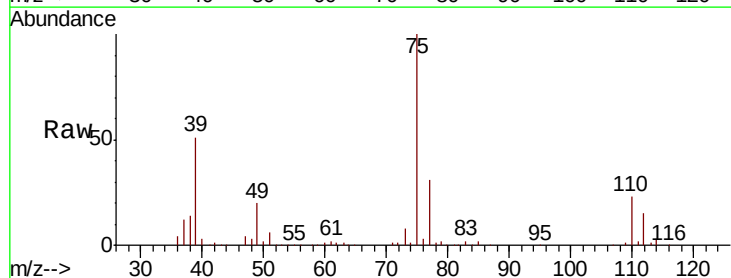
Acq: 08 Jul 2020 12:31

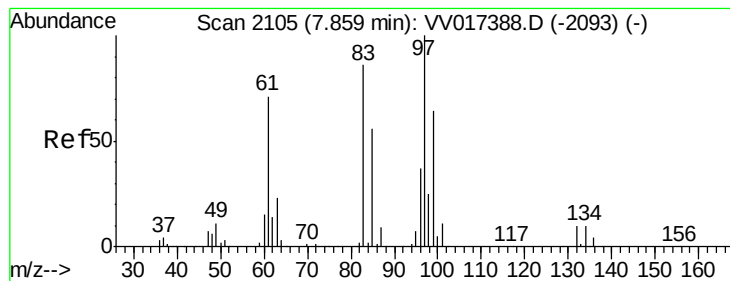
Tgt Ion: 75 Resp: 176042

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 46.873 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

Tot Ion: 97 Resp: 99314

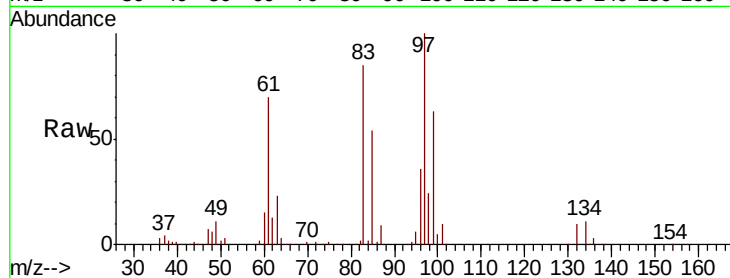
Ion Ratio Lower Upper

97 100

99 63.0 44.6 82.8

83 85.3 60.1 111.7

85 54.4 39.0 72.4

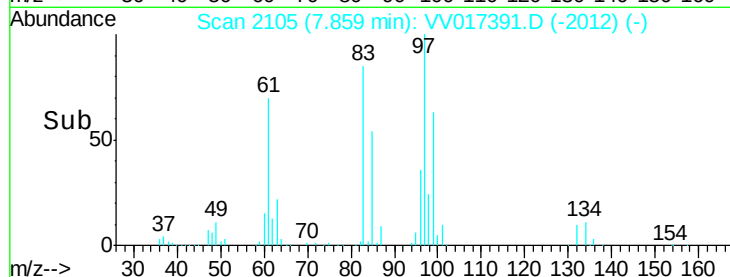


Abundance Ion 97.00 (96.70 to 97.70): VV0

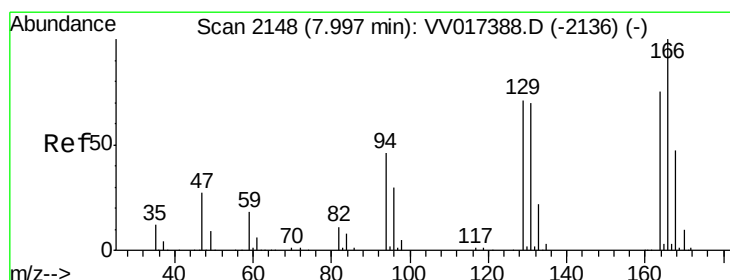
Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



Time-->



#46

Tetrachloroethene

Concen: 48.639 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Tgt Ion: 164 Resp: 96810

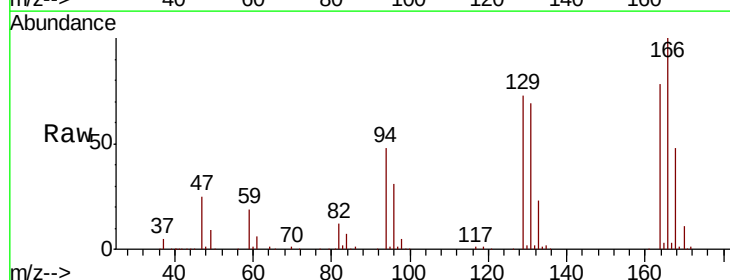
Ion Ratio Lower Upper

164 100

129 92.9 66.6 123.8

131 87.8 65.5 121.7

166 127.5 93.9 174.5

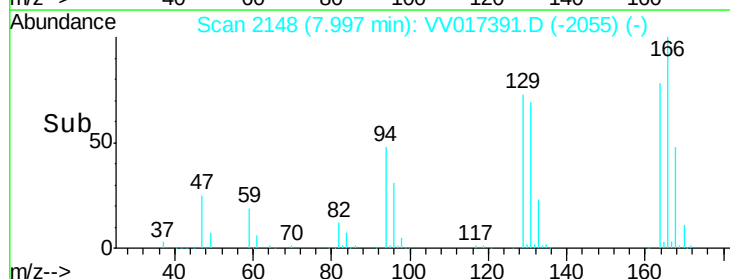


Abundance Ion 164.00 (163.70 to 164.70): V

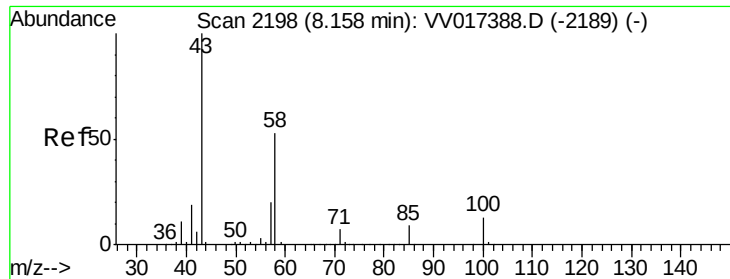
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



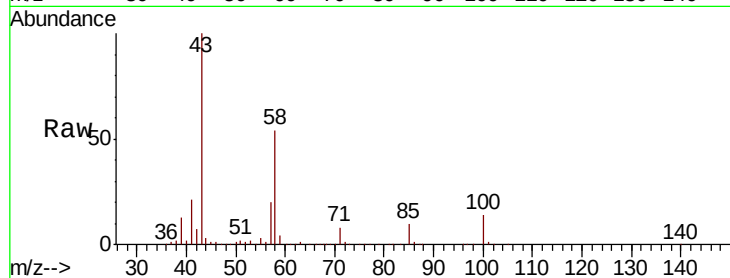
Time-->



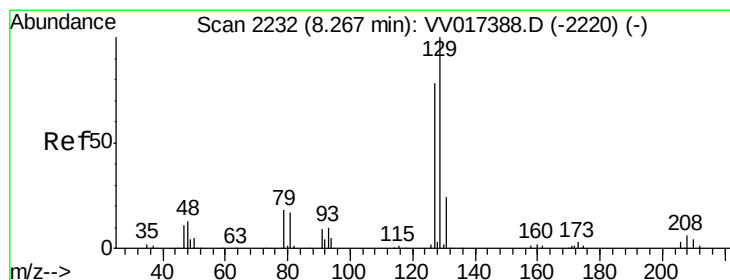
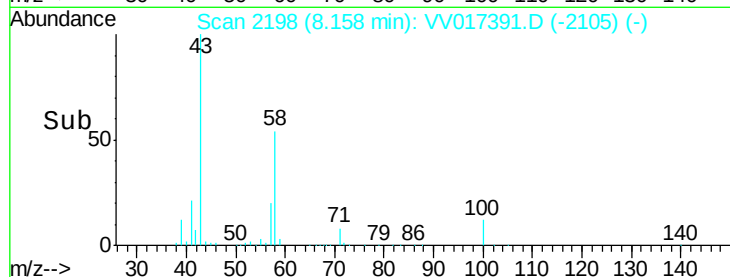
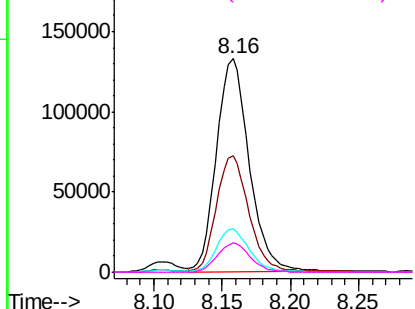
#48
2-Hexanone
Concen: 101.453 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Tot Ion:	43	Resp:	221767
Ion	Ratio	Lower	Upper
43	100		
58	53.9	42.6	64.0
57	20.8	16.2	24.4
100	13.7	10.9	16.3

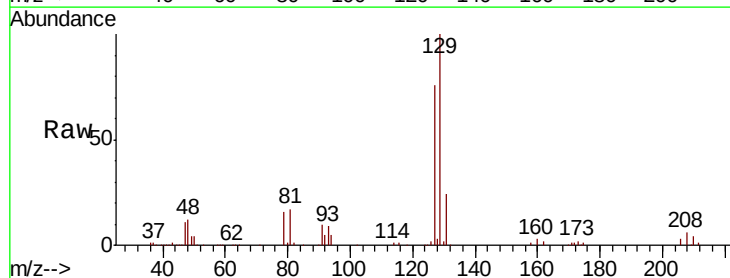


Abundance Ion 43.00 (42.70 to 43.70): VV017391.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017391.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017391.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017391.D (-2105) (-)

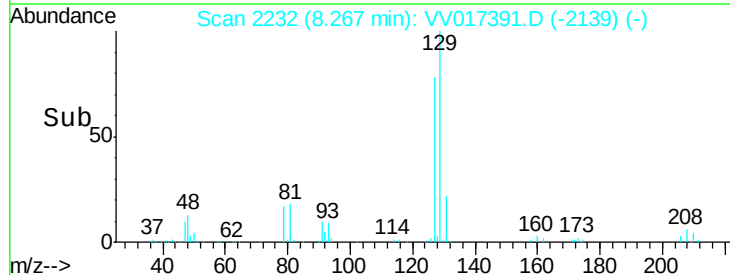
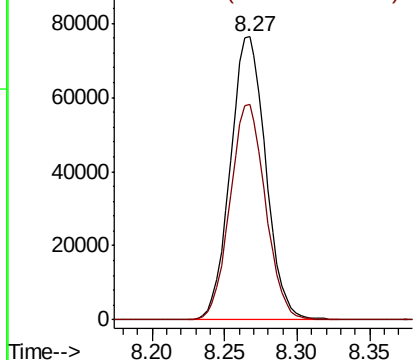


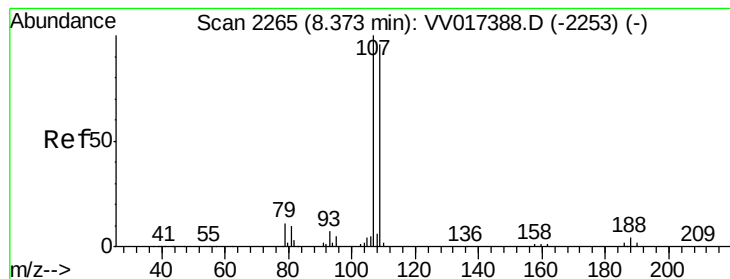
#49
Dibromochloromethane
Concen: 48.842 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017391.D
Acq: 08 Jul 2020 12:31

Tgt Ion:	129	Resp:	129097
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.6	101.4



Abundance Ion 129.00 (128.70 to 129.70): VV017391.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017391.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 48.785 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

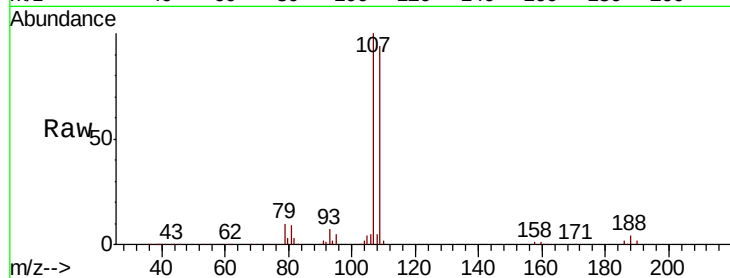
Tot Ion:107 Resp: 110634

Ion Ratio Lower Upper

107 100

109 94.1 67.3 125.1

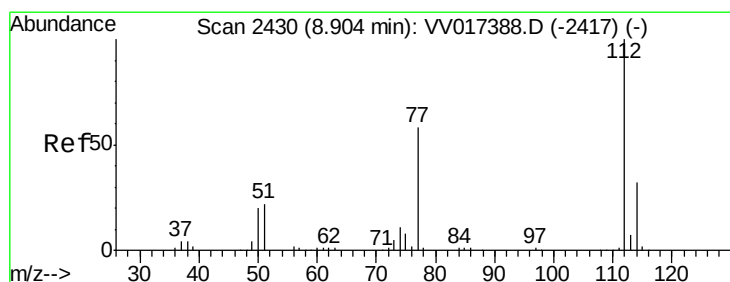
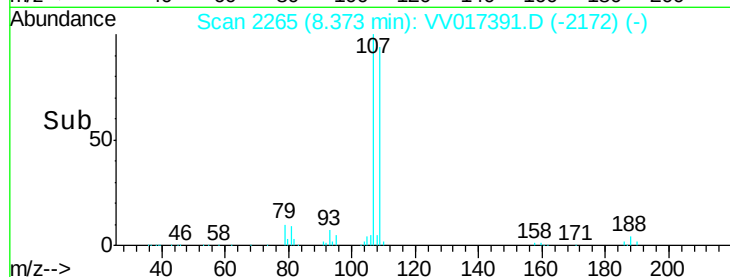
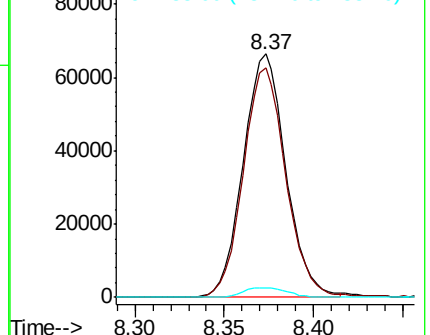
188 3.9 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 48.454 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

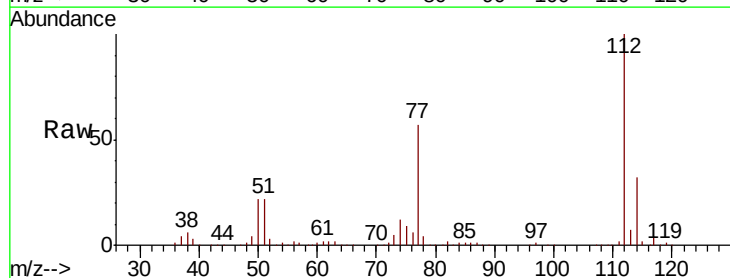
Tgt Ion:112 Resp: 293007

Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

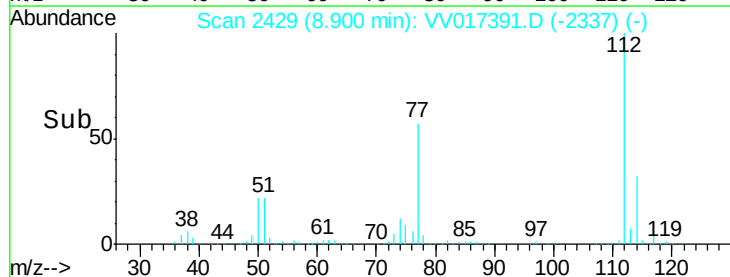
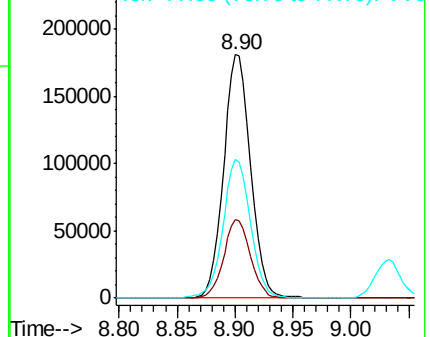
77 57.1 46.7 70.1

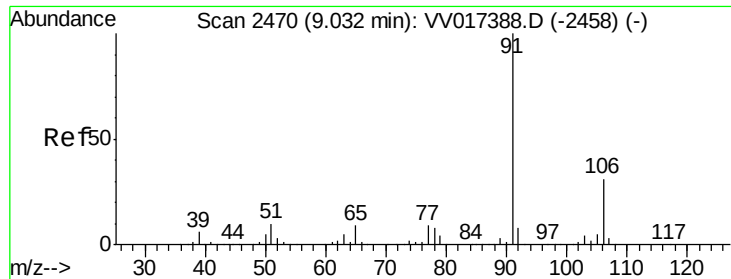


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 49.412 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

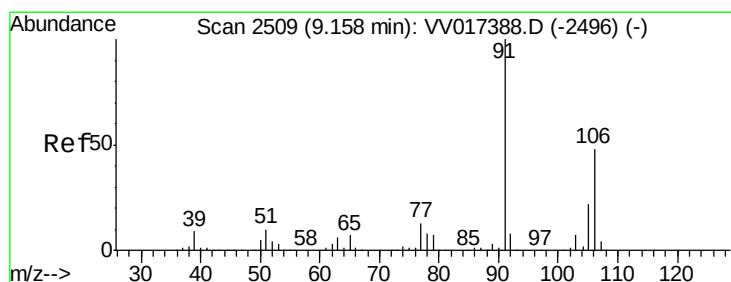
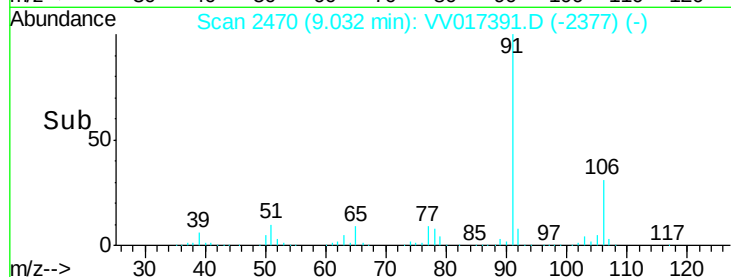
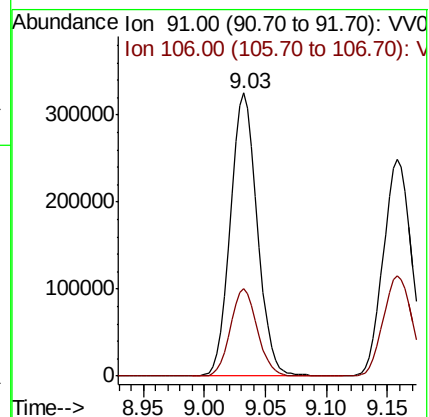
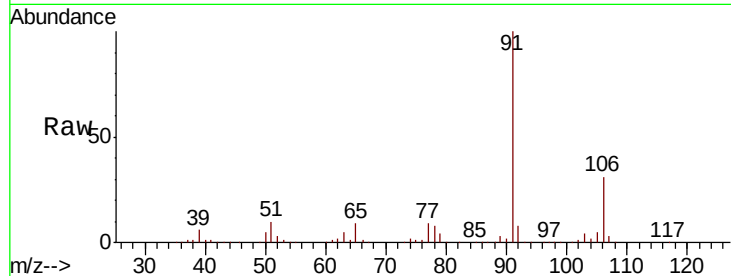
VICV63

Tot Ion: 91 Resp: 504367

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



#53

m,p-Xylene

Concen: 49.653 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017391.D

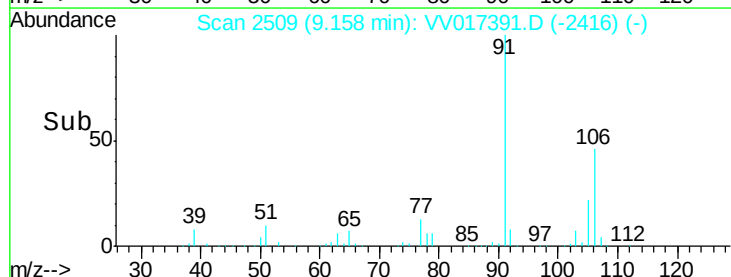
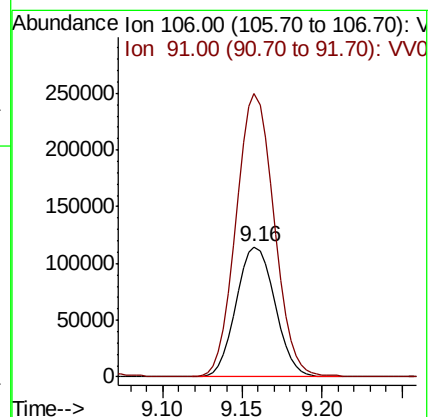
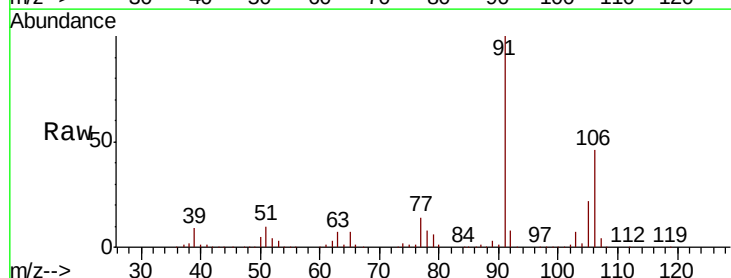
Acq: 08 Jul 2020 12:31

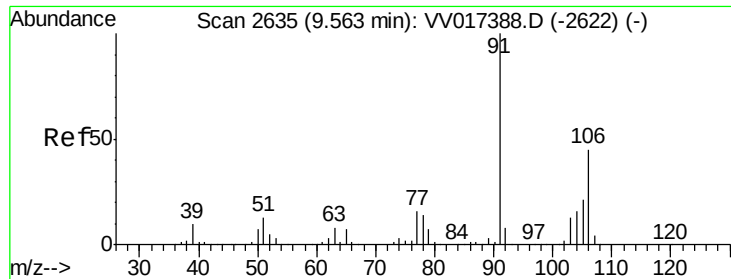
Tgt Ion: 106 Resp: 189746

Ion Ratio Lower Upper

106 100

91 217.7 146.4 271.8





#54

o-xylene

Concen: 50.851 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampled :

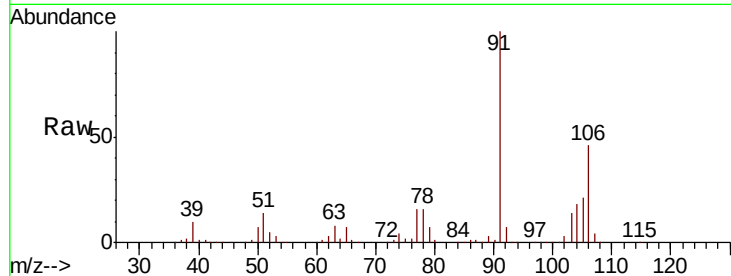
VICV63

Tot Ion:106 Resp: 186654

Ion Ratio Lower Upper

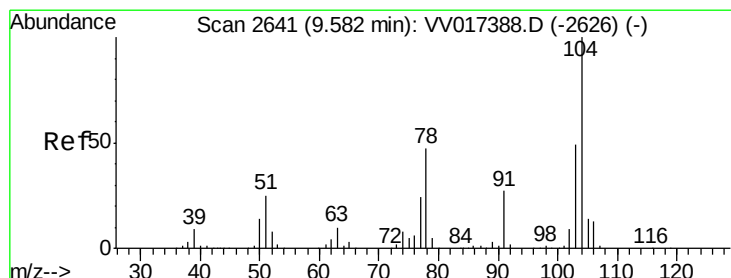
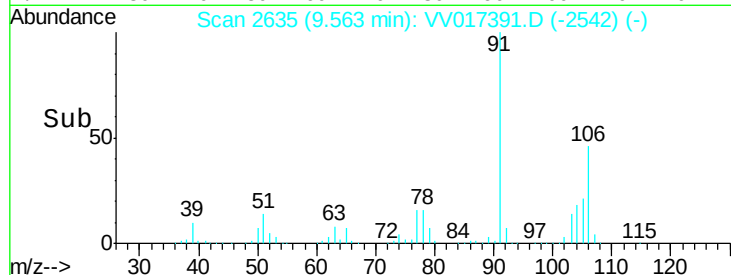
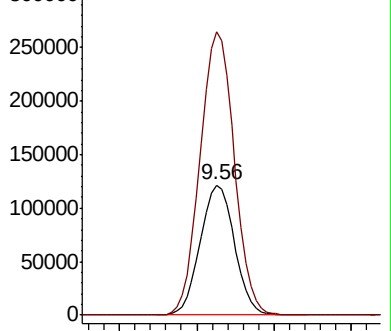
106 100

91 217.9 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.708 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017391.D

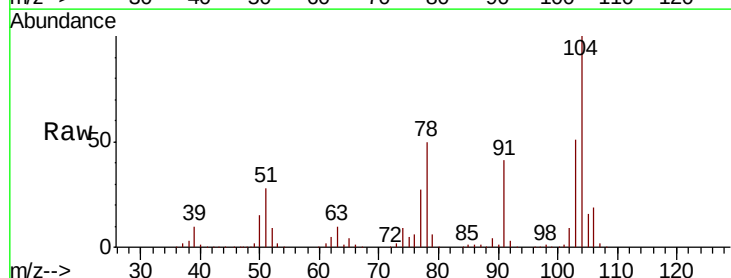
Acq: 08 Jul 2020 12:31

Tgt Ion:104 Resp: 316930

Ion Ratio Lower Upper

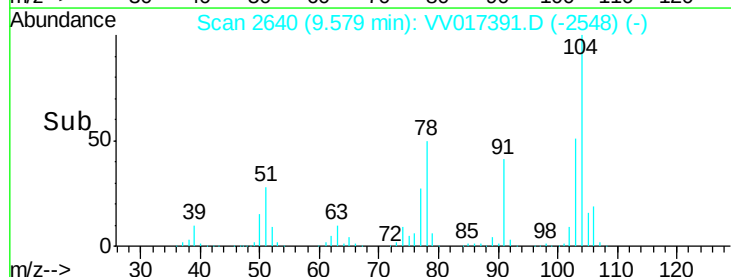
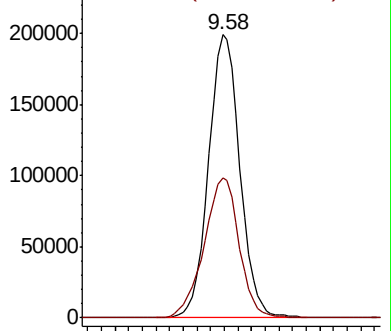
104 100

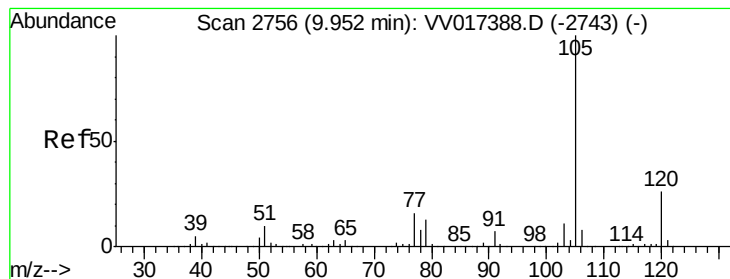
78 49.7 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.470 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampled :

VICV63

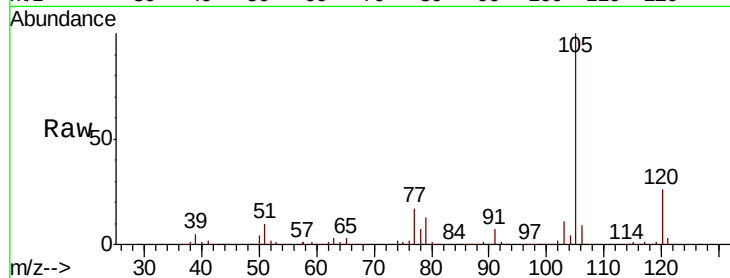
Tot Ion:105 Resp: 515388

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

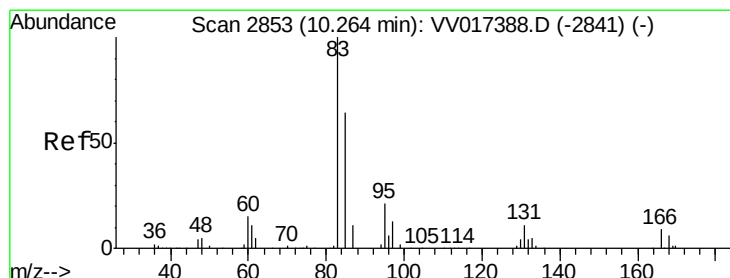
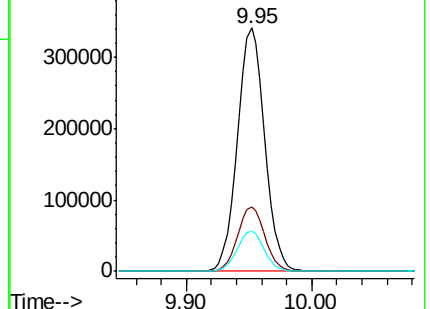
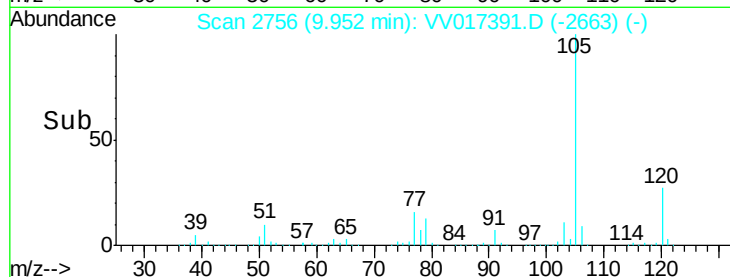
77 16.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.990 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

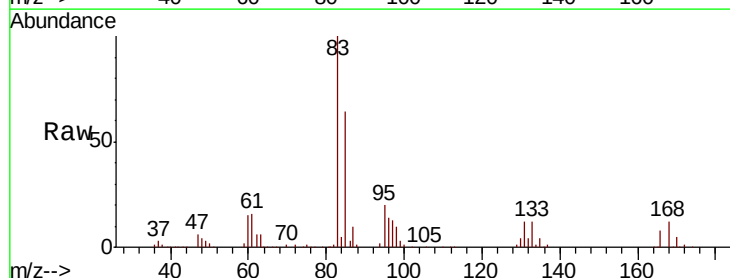
Tgt Ion: 83 Resp: 146206

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

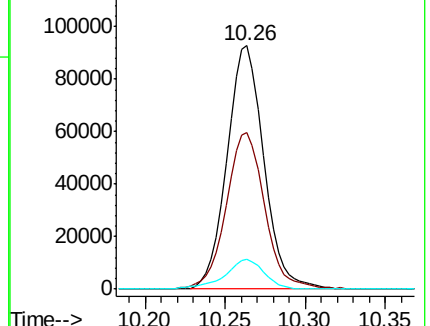
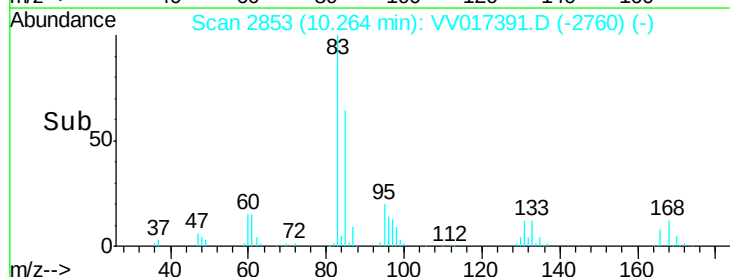
131 12.1 9.4 14.2

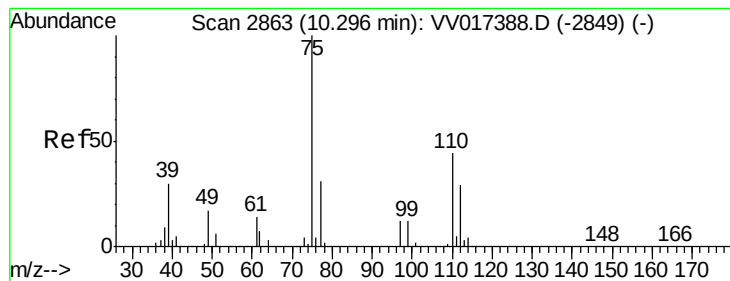


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.680 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

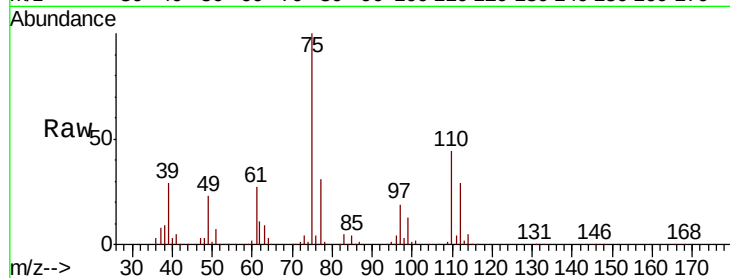
VICV63

Tot Ion: 75 Resp: 129022

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VV017388.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017388.D (-2849) (-)

10.29

80000

60000

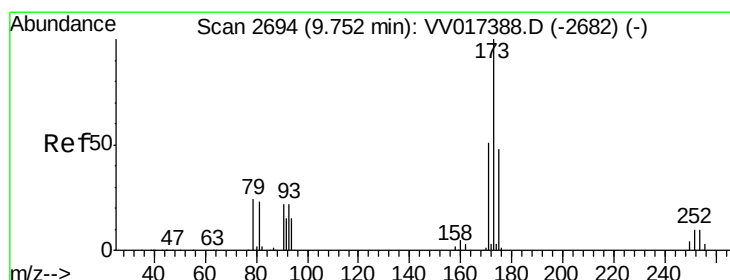
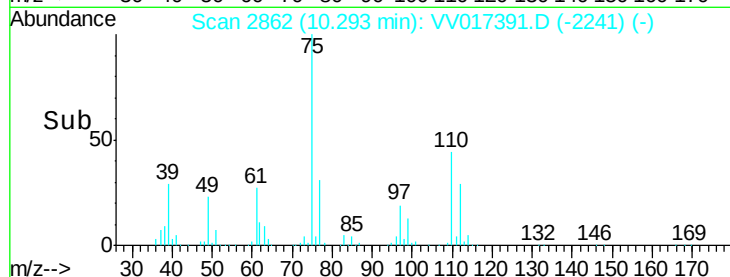
40000

20000

0

10.25 10.30 10.35

Time-->



#61

Bromoform

Concen: 47.319 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

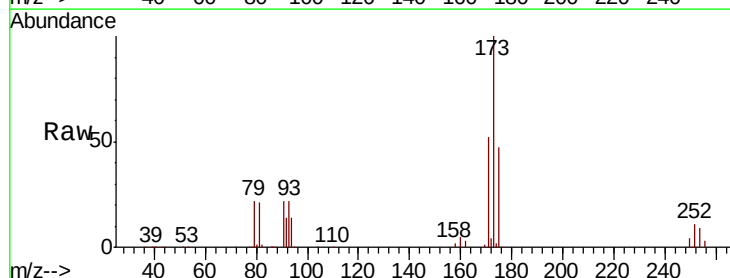
Tgt Ion: 173 Resp: 94270

Ion Ratio Lower Upper

173 100

175 47.7 38.1 57.1

254 9.8 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): VV017388.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017388.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017388.D (-2682) (-)

9.75

80000

60000

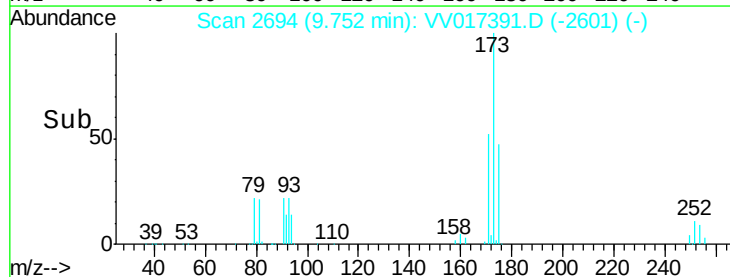
40000

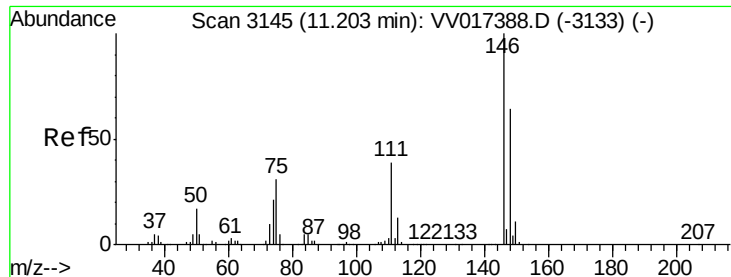
20000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.893 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

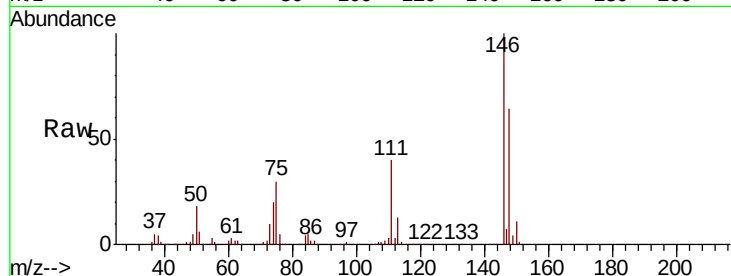
Tot Ion:146 Resp: 252686

Ion Ratio Lower Upper

146 100

111 39.5 27.2 50.6

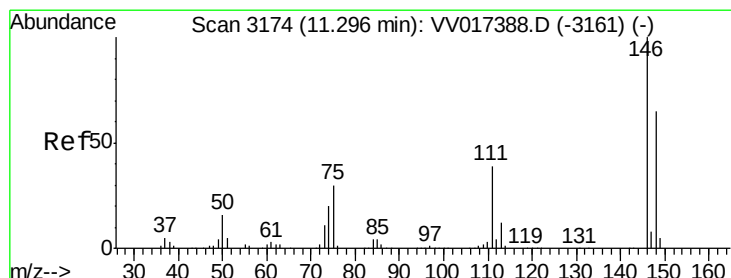
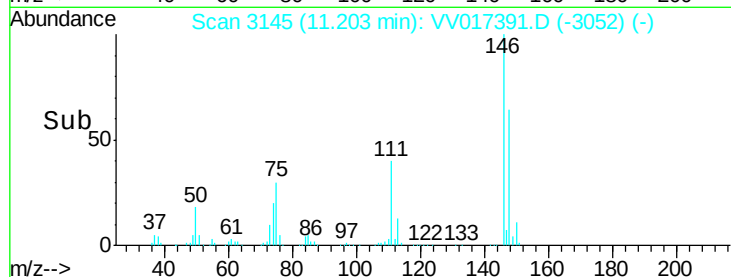
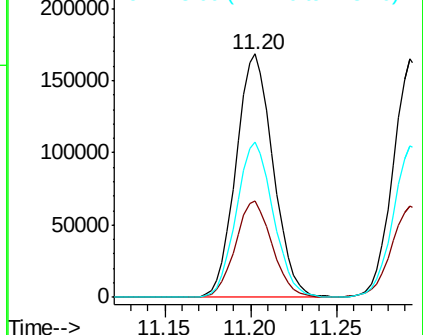
148 63.6 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.980 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

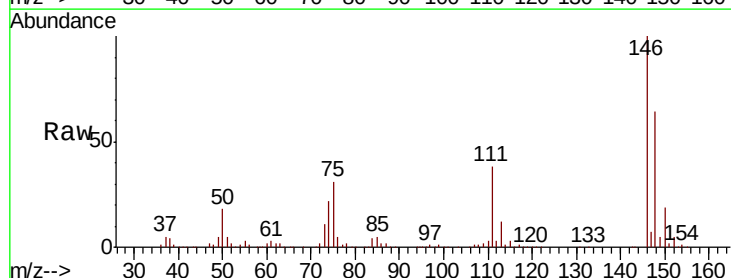
Tgt Ion:146 Resp: 251668

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.4

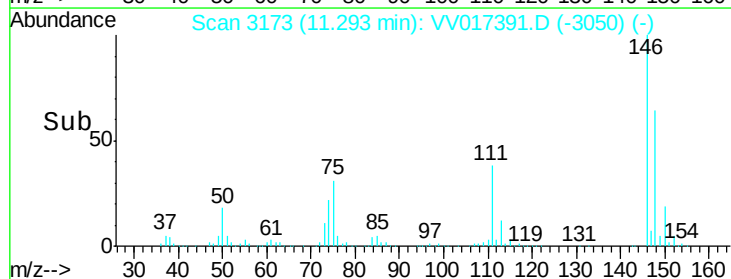
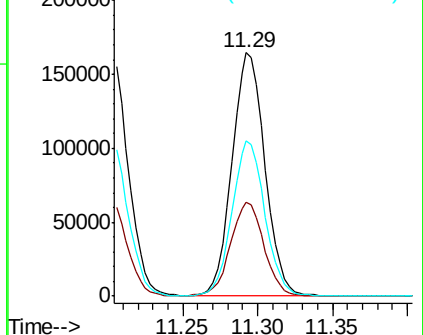
148 63.8 45.4 84.4

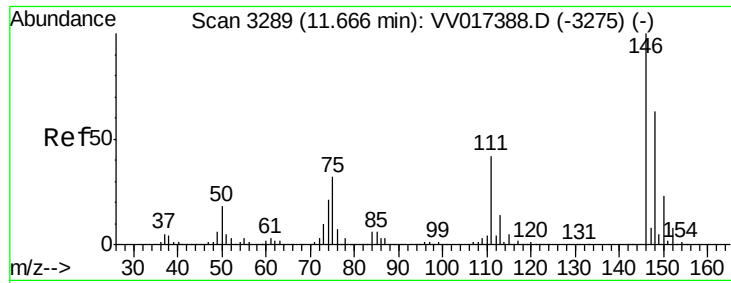


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.045 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

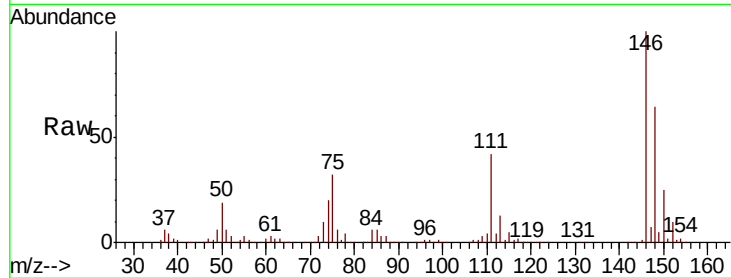
Tot Ion:146 Resp: 247523

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

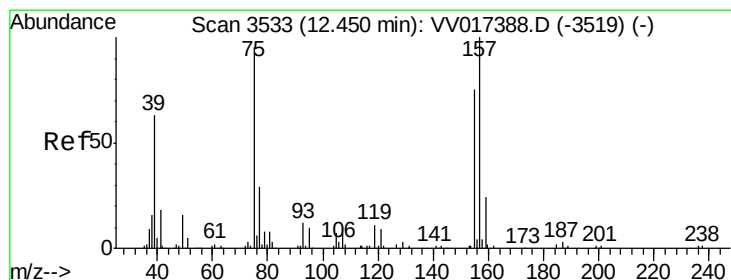
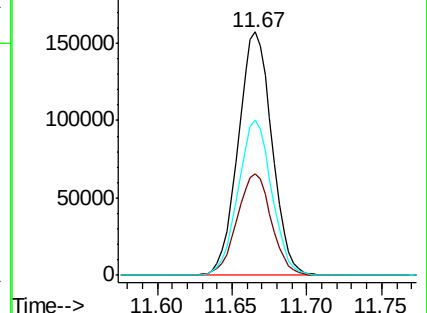
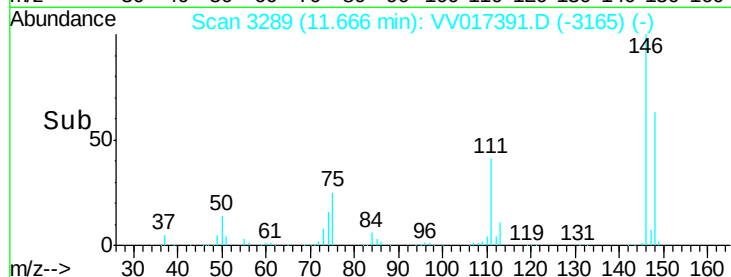
148 63.8 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 48.180 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

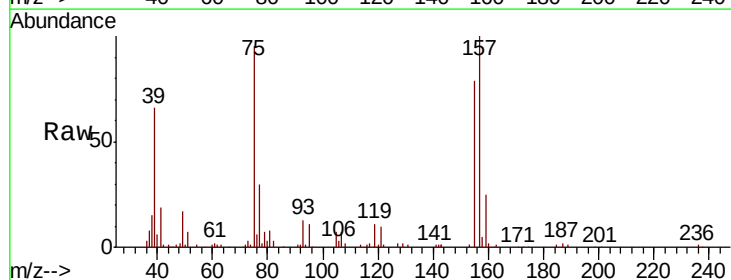
Tgt Ion: 75 Resp: 40390

Ion Ratio Lower Upper

75 100

155 83.2 63.4 95.2

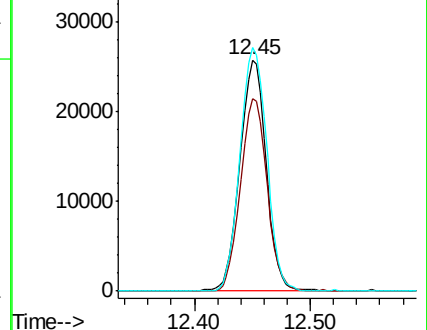
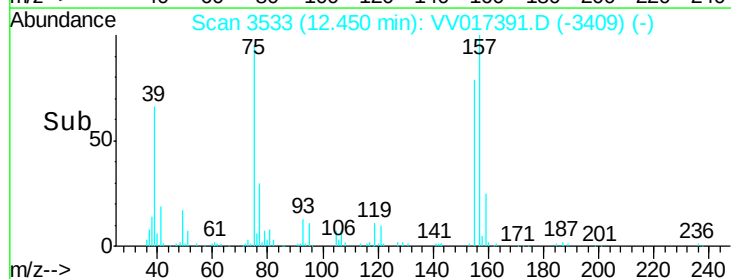
157 105.5 84.5 126.7

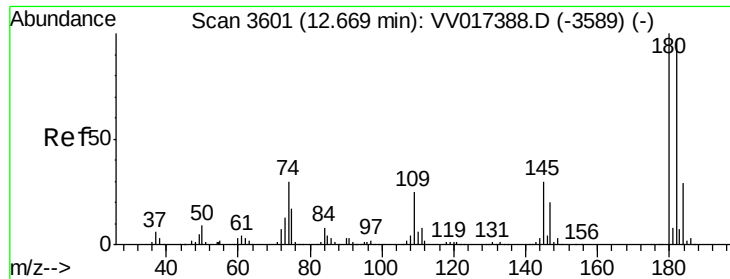


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

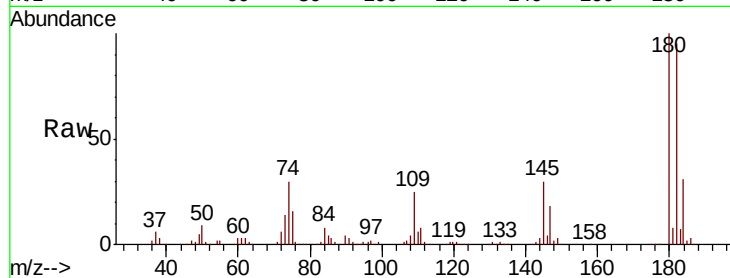




#67
 1,3,5-Trichlorobenzene
 Concen: 50.206 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.0	115.4
184	30.0	24.0	36.0
145	30.0	23.8	35.8



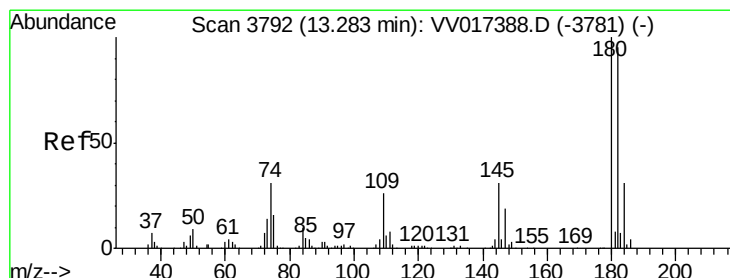
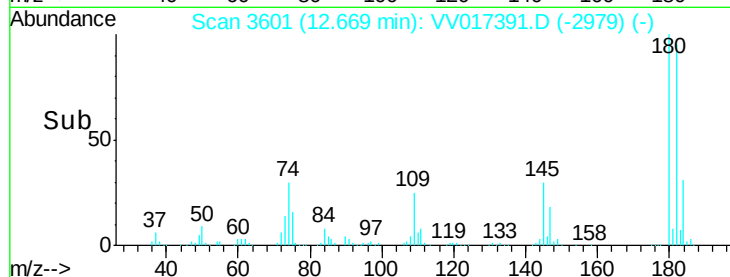
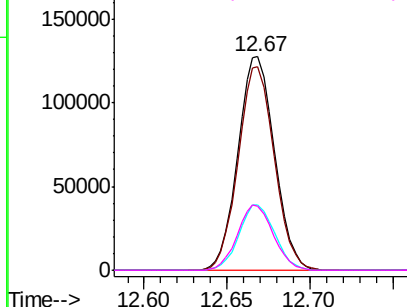
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

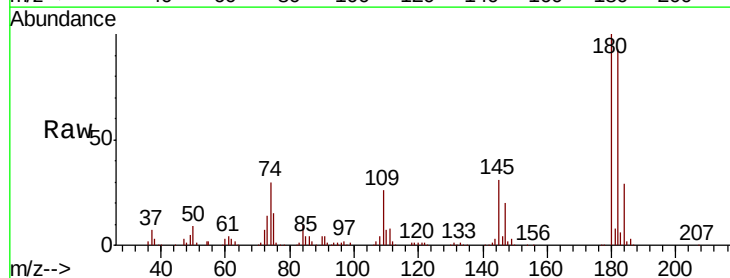
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.043 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017391.D
 Acq: 08 Jul 2020 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	30.9	24.6	36.8

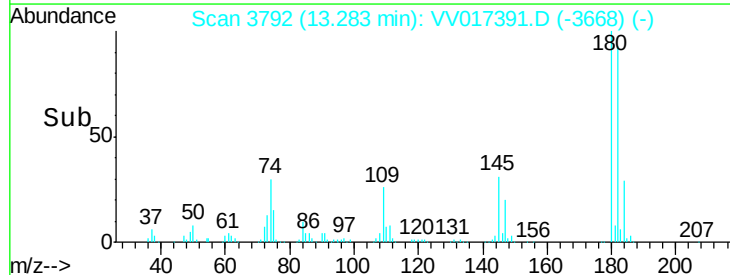
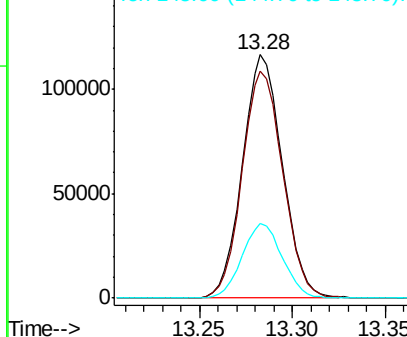


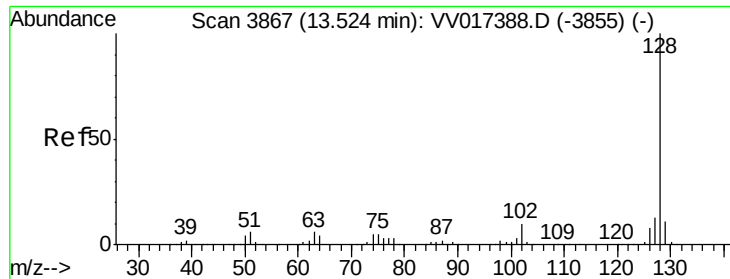
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.700 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

Instrument :

MSVOA_V

ClientSampleId :

VICV63

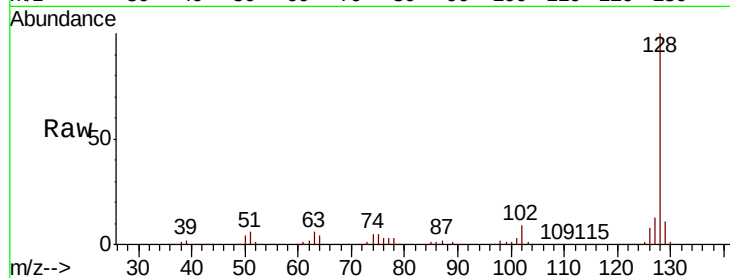
Tot Ion:128 Resp: 502426

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

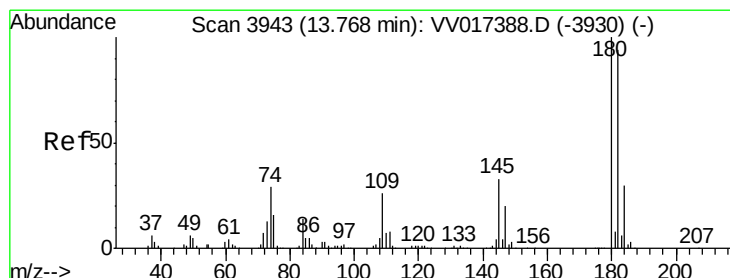
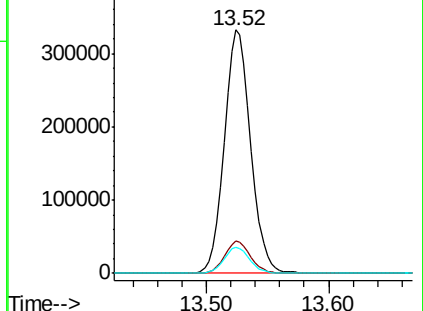
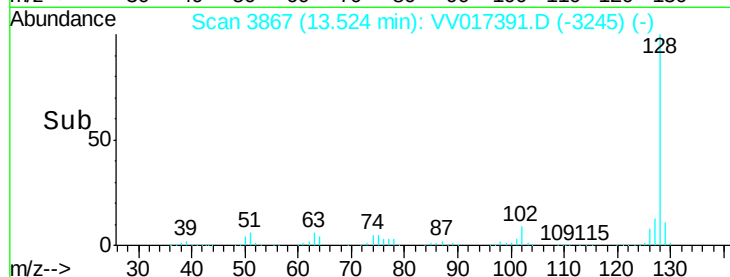
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.919 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017391.D

Acq: 08 Jul 2020 12:31

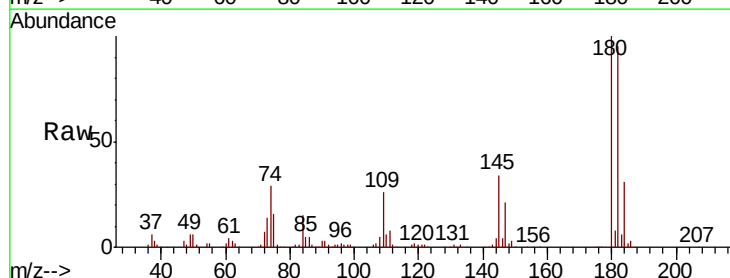
Tgt Ion:180 Resp: 176817

Ion Ratio Lower Upper

180 100

182 94.2 76.3 114.5

145 33.8 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

