

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017542.D
 Acq On : 20 Jul 2020 13:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 21 01:45:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 18:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291124	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	281965	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155236	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86999	53.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.14%
7) Chloroethane-d5	1.58	69	69546	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.06%
11) 1,1-Dichloroethene-d2	2.12	63	200331	50.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.44%
21) 2-Butanone-d5	3.91	46	118575	100.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.50%
24) Chloroform-d	4.38	84	184667	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
26) 1,2-Dichloroethane-d4	5.06	65	127657	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
32) Benzene-d6	5.07	84	316287	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
36) 1,2-Dichloropropane-d6	6.09	67	90312	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.46%
41) Toluene-d8	7.34	98	305068	51.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.52%
43) trans-1,3-Dichloropropene-	7.64	79	56929	50.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.88%
47) 2-Hexanone-d5	8.11	63	90823	105.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.44%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	144831	54.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	138913	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	133139	48.712	ug/L 99
3) Chloromethane	1.25	50	115623	53.294	ug/L 99
5) Vinyl chloride	1.32	62	118789	50.929	ug/L 99
6) Bromomethane	1.53	94	74472	49.282	ug/L 98
8) Chloroethane	1.60	64	66260	49.890	ug/L 97
9) Trichlorofluoromethane	1.77	101	210780	51.863	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109116	50.279	ug/L 99
12) 1,1-Dichloroethene	2.13	96	98619	50.780	ug/L 99
13) Acetone	2.19	43	151814	105.479	ug/L 98
14) Carbon disulfide	2.31	76	298291	56.585	ug/L 99
15) Methyl Acetate	2.45	43	120863	58.476	ug/L 98
16) Methylene chloride	2.52	84	122954	56.445	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	109435	58.238	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	397525	58.724	ug/L 98
19) 1,1-Dichloroethane	3.21	63	165805	47.236	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	100380	48.689	ug/L 93
22) 2-Butanone	3.99	43	131718	100.281	ug/L 95

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

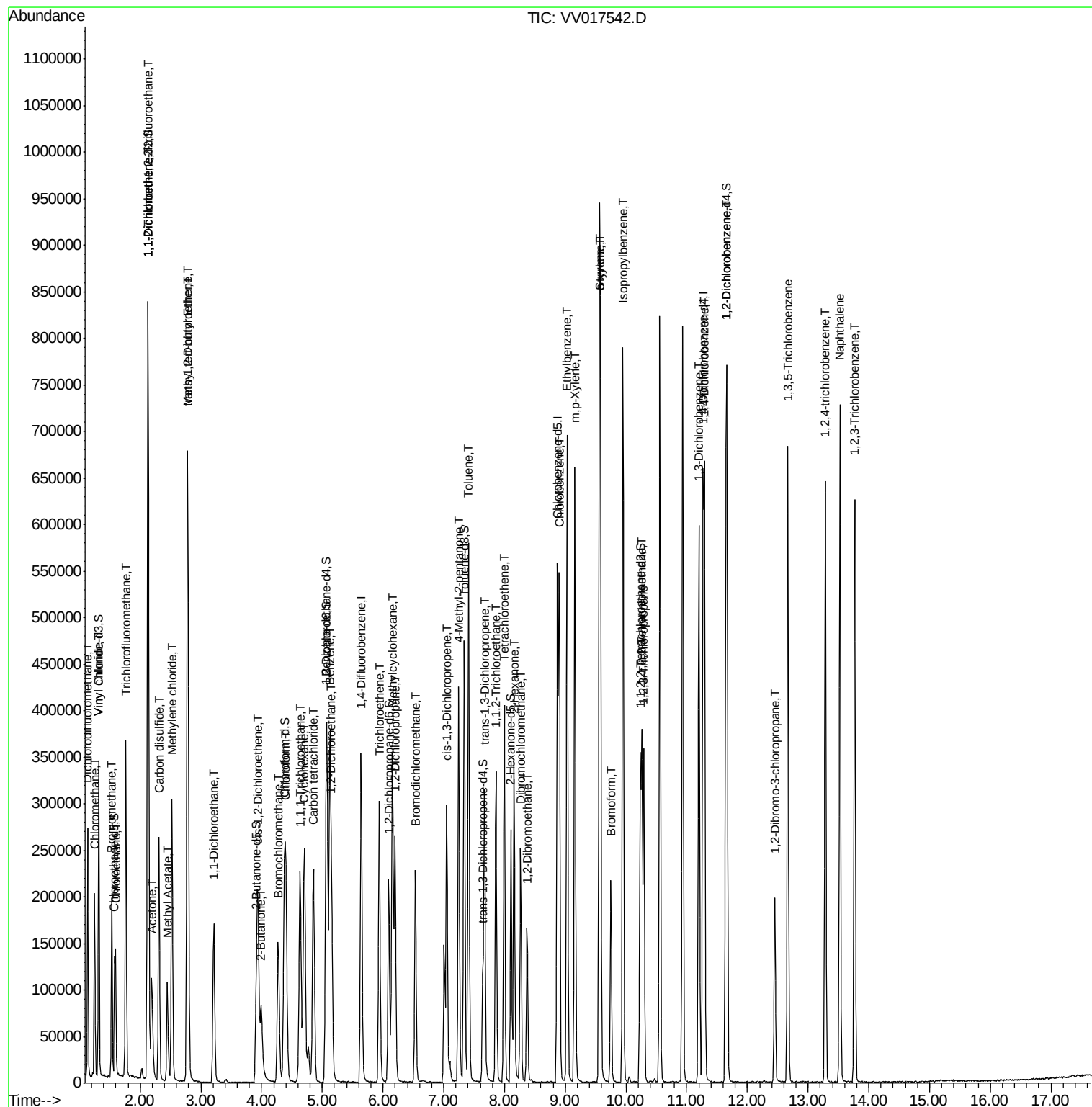
23) Bromochloromethane	4.27	128	54984	47.612	uq/L	92
25) Chloroform	4.40	83	186753	47.455	uq/L	98
27) 1,2-Dichloroethane	5.15	62	164401	48.640	uq/L	99
29) Cyclohexane	4.70	56	132898	49.338	uq/L #	99
30) 1,1,1-Trichloroethane	4.63	97	188401	49.993	uq/L	99
31) Carbon tetrachloride	4.85	117	167940	48.628	uq/L	99
33) Benzene	5.13	78	354106	48.616	uq/L	100
34) Trichloroethene	5.94	95	98410	49.021	uq/L	96
35) Methylcyclohexane	6.16	83	147154	49.696	uq/L	100
37) 1,2-Dichloropropane	6.20	63	89161	48.173	uq/L	99
38) Bromodichloromethane	6.53	83	146683	49.122	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	159586	51.049	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	254755	99.201	uq/L	99
42) Toluene	7.41	91	398466	49.513	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	170945	51.867	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	96845	48.064	uq/L	98
46) Tetrachloroethene	8.00	164	87182	49.717	uq/L	98
48) 2-Hexanone	8.16	43	203803	99.405	uq/L	99
49) Dibromochloromethane	8.27	129	125490	49.388	uq/L	99
50) 1,2-Dibromoethane	8.37	107	101113	45.028	uq/L	95
51) Chlorobenzene	8.90	112	269703	47.609	uq/L	99
52) Ethylbenzene	9.03	91	458741	48.351	uq/L	99
53) m,p-Xylene	9.16	106	175906	49.870	uq/L	100
54) o-xylene	9.56	106	175649	50.996	uq/L	99
55) Styrene	9.58	104	303520	51.460	uq/L	96
56) Isopropylbenzene	9.95	105	483639	52.032	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	157484	52.490	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	135421	52.601	uq/L	100
61) Bromoform	9.75	173	97626	49.475	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	238301	49.091	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	241691	47.801	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	239477	47.766	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	49493	53.330	uq/L	88
67) 1,3,5-Trichlorobenzene	12.67	180	202416	52.131	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	183537	52.597	uq/L	99
69) Naphthalene	13.52	128	535490	54.530	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	185595	53.474	uq/L	98

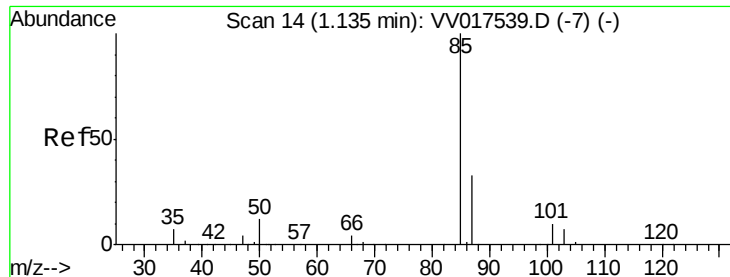
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.712 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

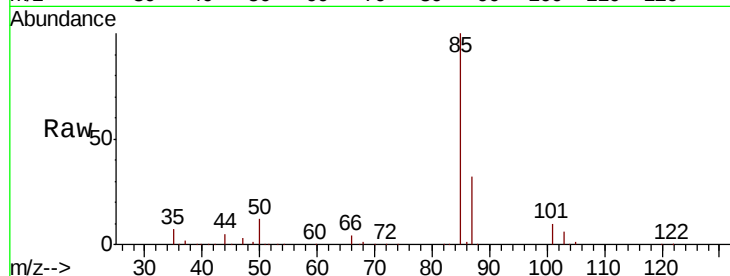
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 133139

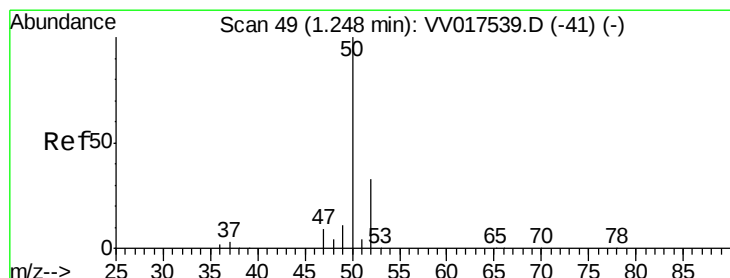
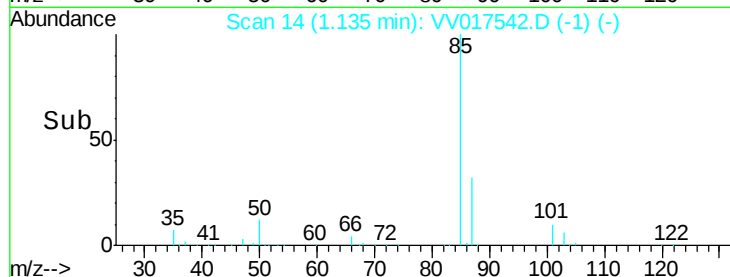
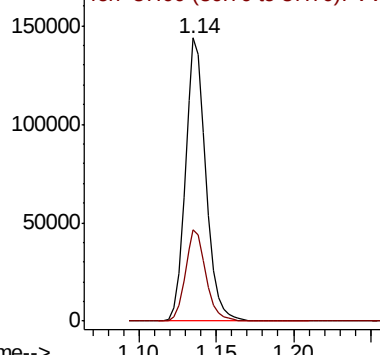
Ion Ratio Lower Upper

85 100

87 32.5 26.6 40.0



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



#3

Chloromethane

Concen: 53.294 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017542.D

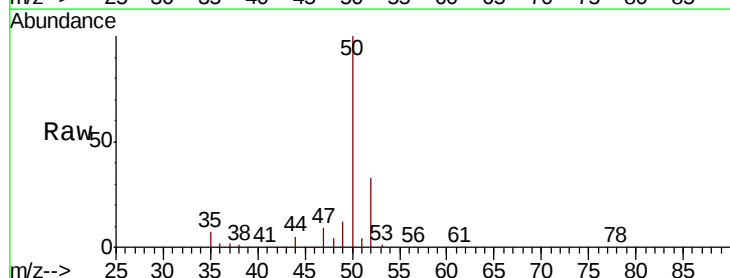
Acq: 20 Jul 2020 13:47

Tgt Ion: 50 Resp: 115623

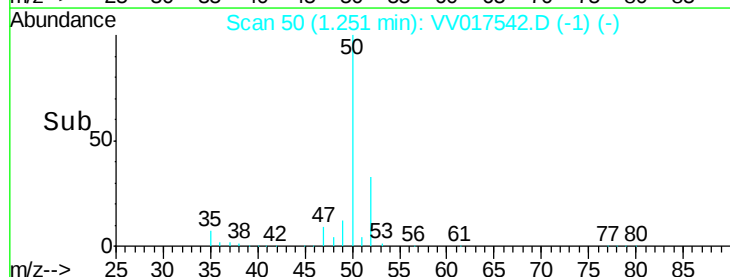
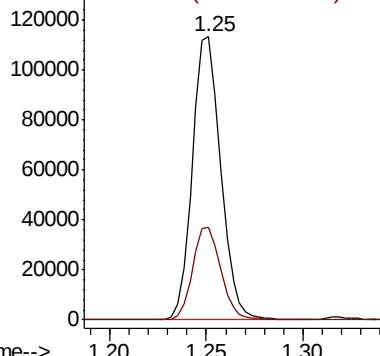
Ion Ratio Lower Upper

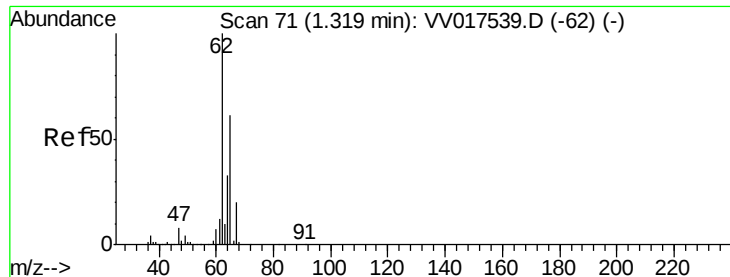
50 100

52 32.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 50.929 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

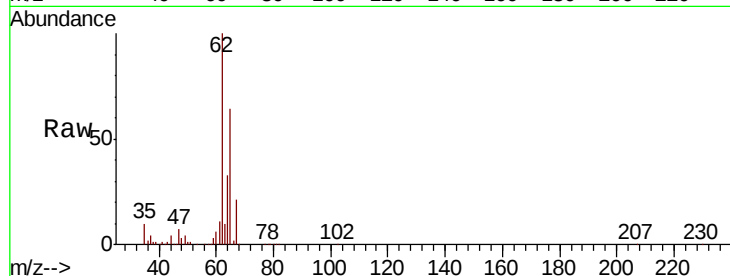
ClientSampled :

Tot Ion: 62 Resp: 118789

Ion Ratio Lower Upper

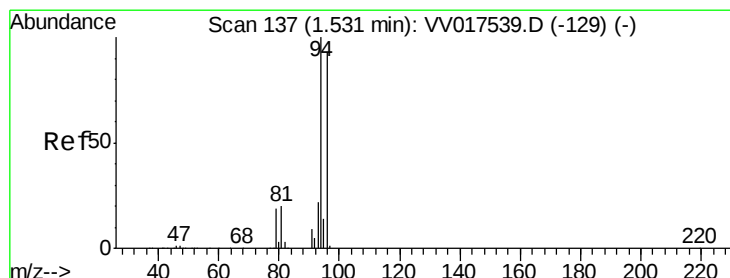
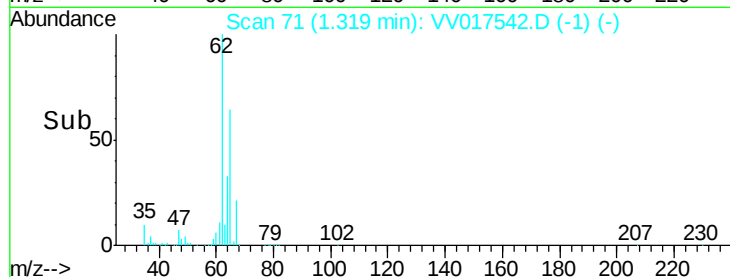
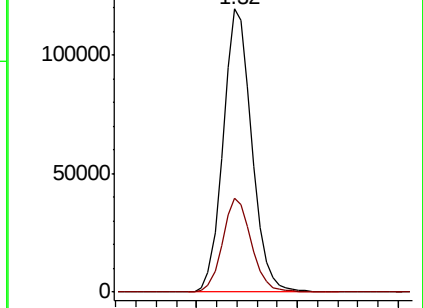
62 100

64 33.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.282 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017542.D

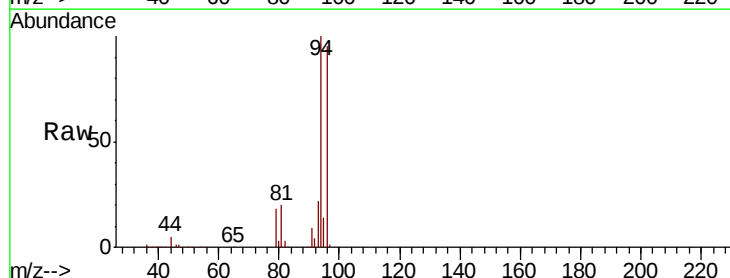
Acq: 20 Jul 2020 13:47

Tgt Ion: 94 Resp: 74472

Ion Ratio Lower Upper

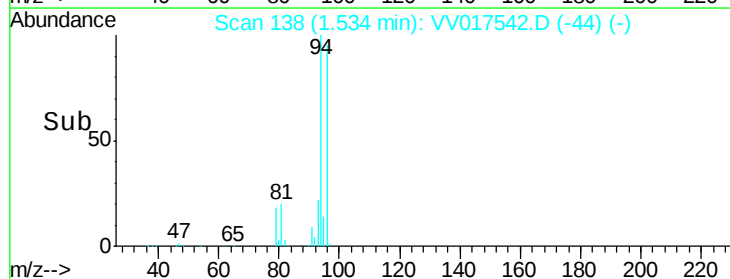
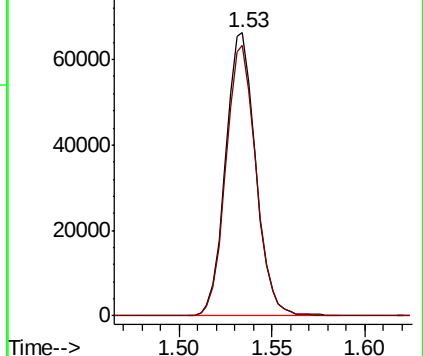
94 100

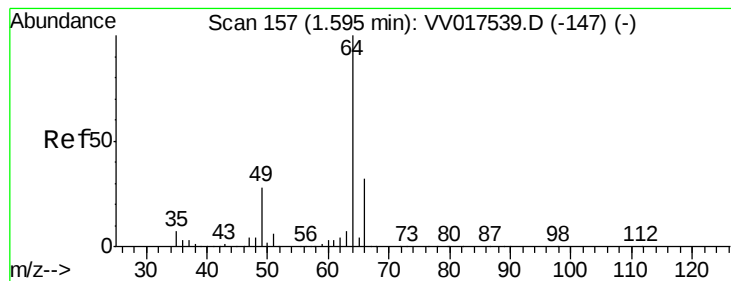
96 95.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 49.890 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

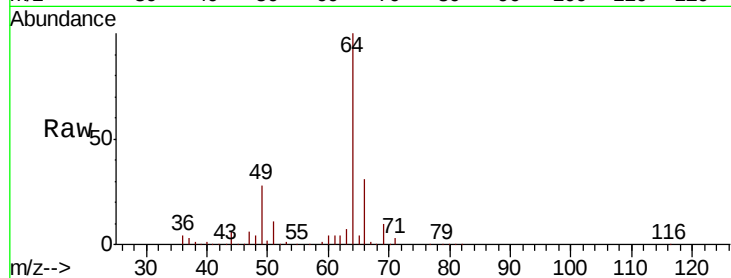
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 66260

Ion Ratio Lower Upper

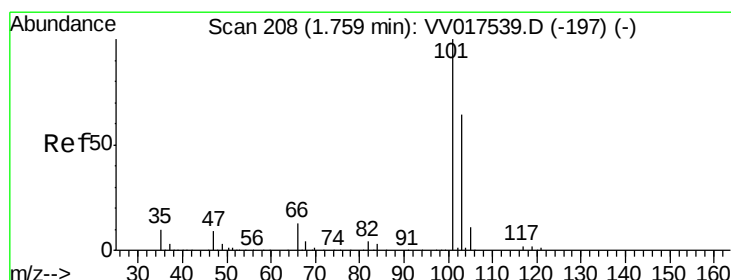
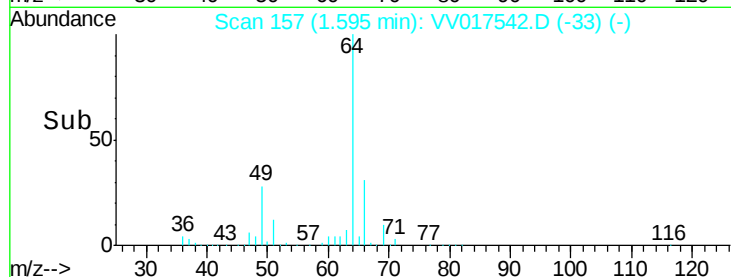
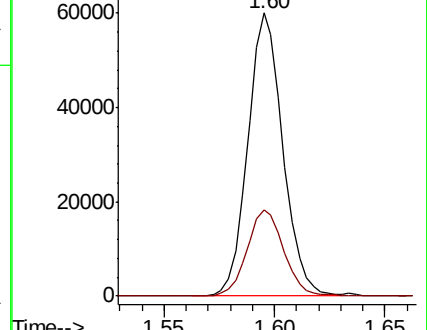
64 100

66 30.7 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV017539.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017539.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 51.863 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV017542.D

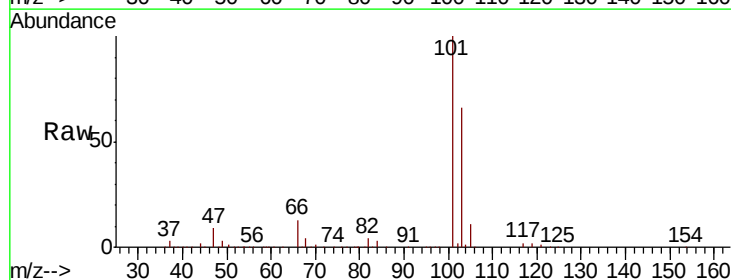
Acq: 20 Jul 2020 13:47

Tgt Ion:101 Resp: 210780

Ion Ratio Lower Upper

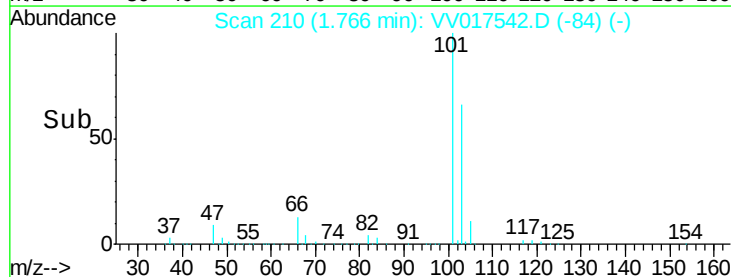
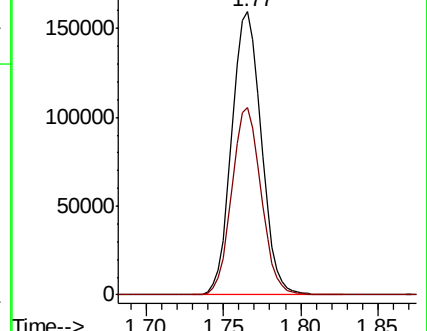
101 100

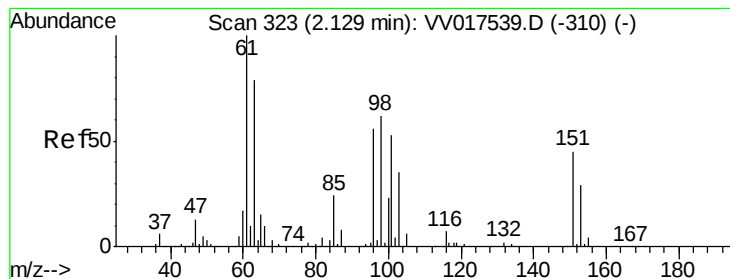
103 65.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV017539.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV017539.D (-197) (-)





#10

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

Concen: 50.279 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

ClientSampled :

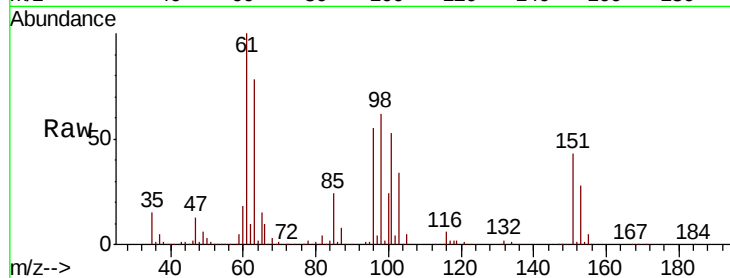
Tot Ion:101 Resp: 109116

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

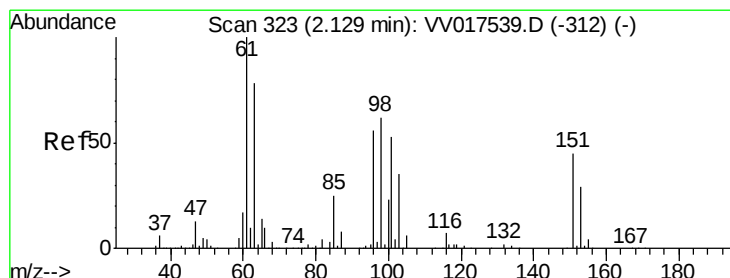
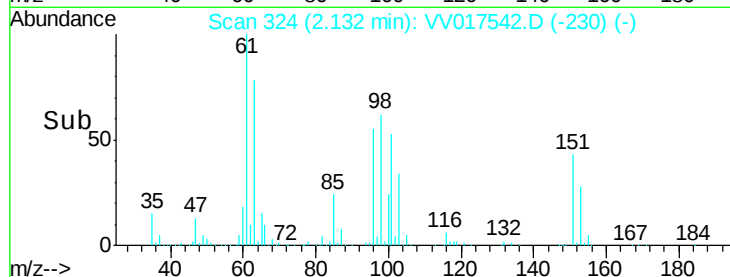
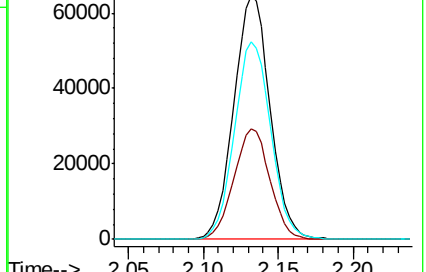
151 81.2 65.9 98.9



Abundance Ion 101.00 (100.70 to 101.70): VV017542.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017542.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017542.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 50.780 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

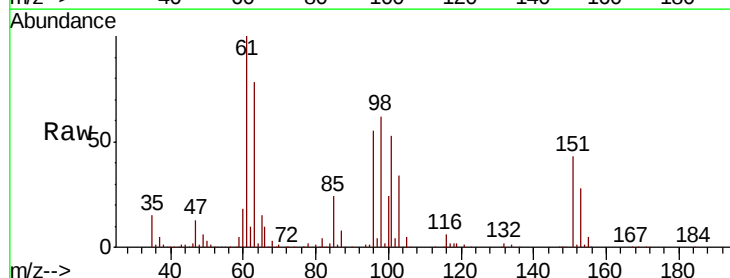
Tgt Ion: 96 Resp: 98619

Ion Ratio Lower Upper

96 100

61 180.4 126.0 234.0

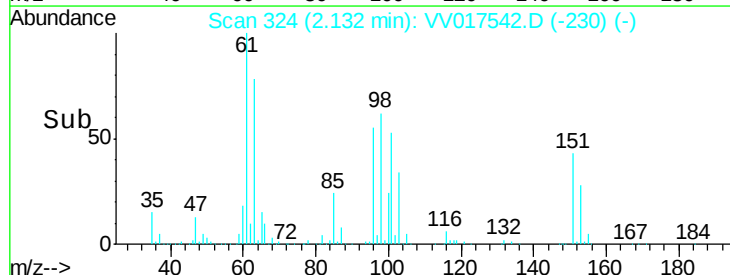
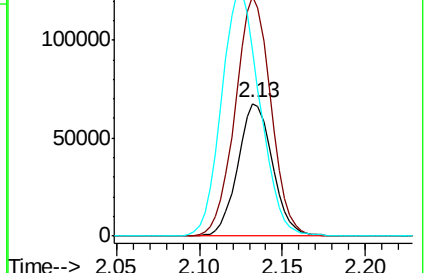
63 140.3 99.8 185.4

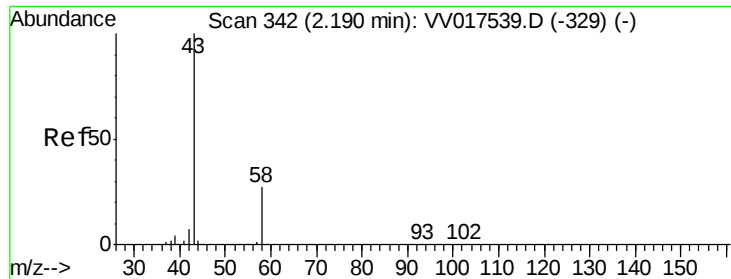


Abundance Ion 96.00 (95.70 to 96.70): VV017542.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017542.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017542.D (-230) (-)

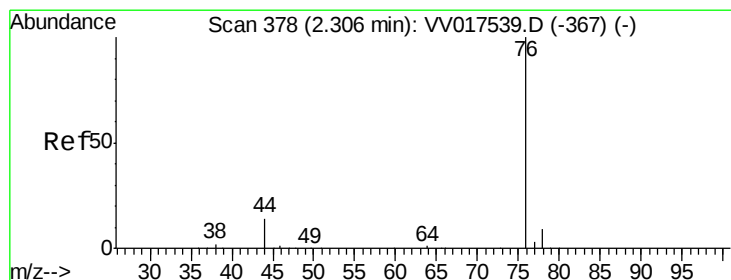
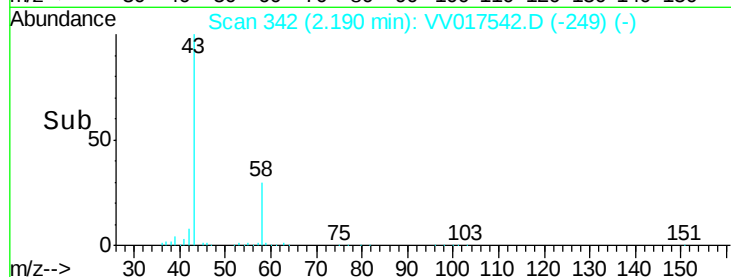
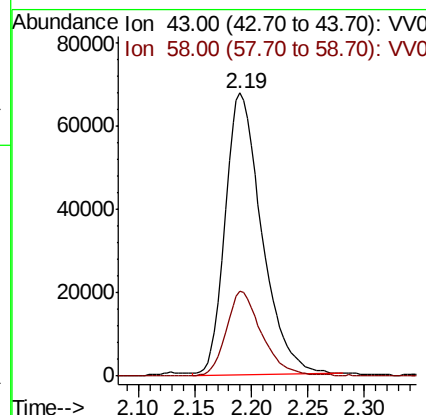
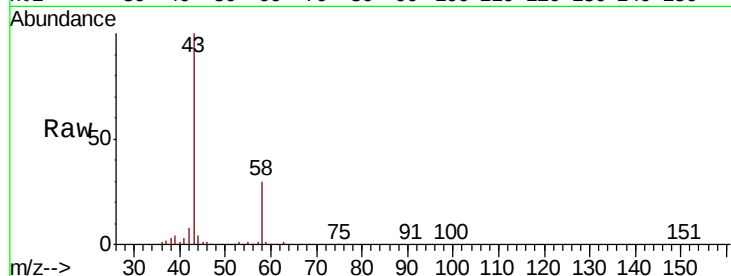




#13
Acetone
Concen: 105.479 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

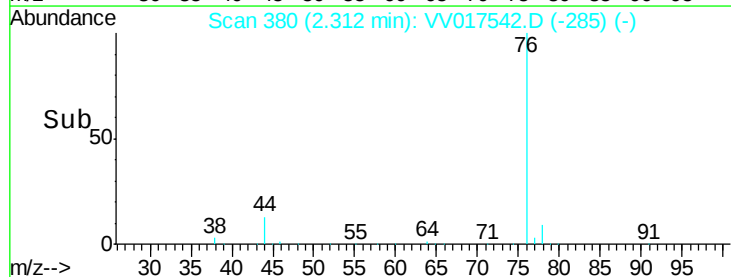
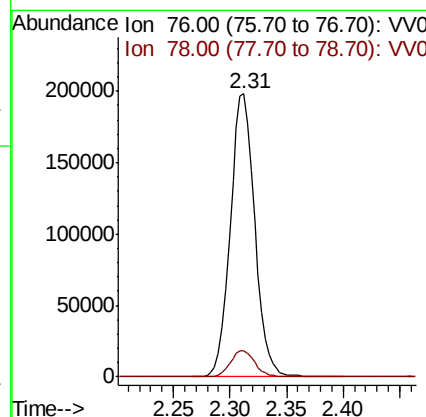
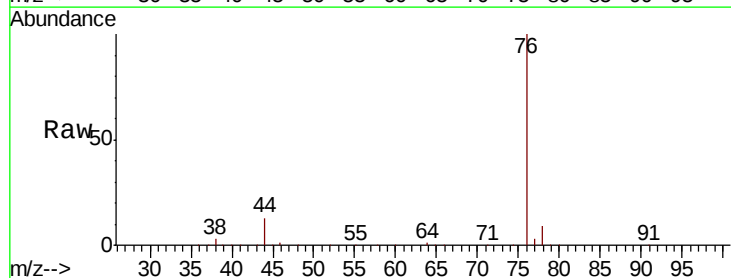
Instrument :
MSVOA_V
ClientSampleId :

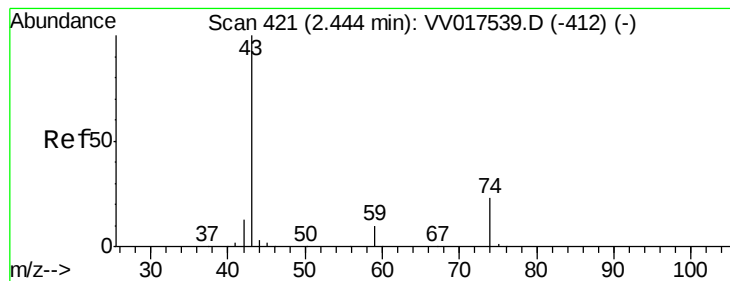
Tot Ion: 43 Resp: 151814
Ion Ratio Lower Upper
43 100
58 28.9 0.0 56.0



#14
Carbon disulfide
Concen: 56.585 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.01 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Tgt Ion: 76 Resp: 298291
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





#15

Methvl Acetate

Concen: 58.476 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

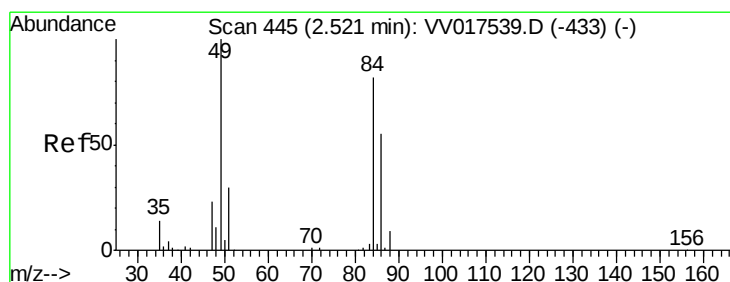
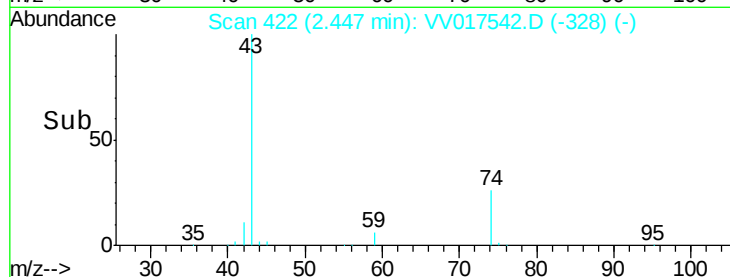
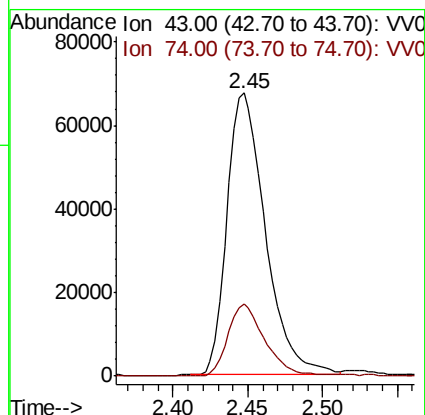
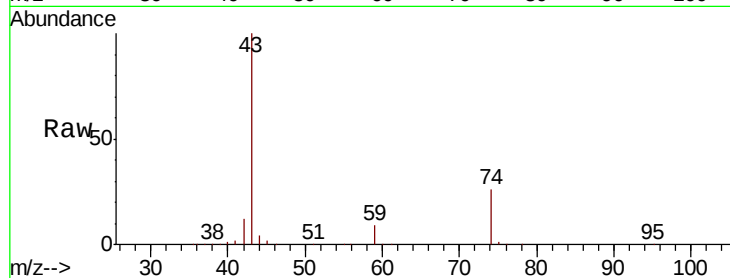
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 120863

Ion Ratio Lower Upper

43 100

74 24.5 20.3 30.5



#16

Methylene chloride

Concen: 56.445 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

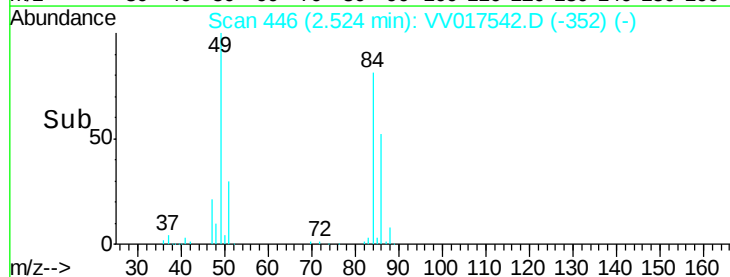
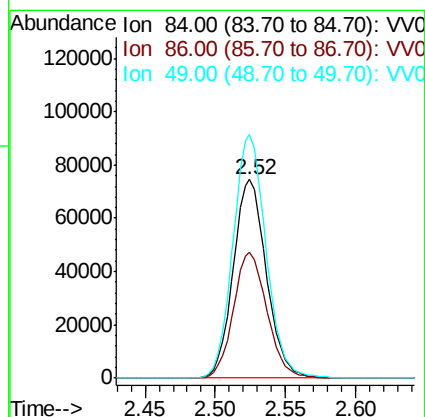
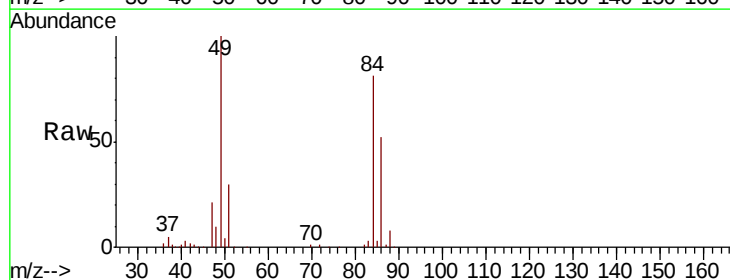
Tgt Ion: 84 Resp: 122954

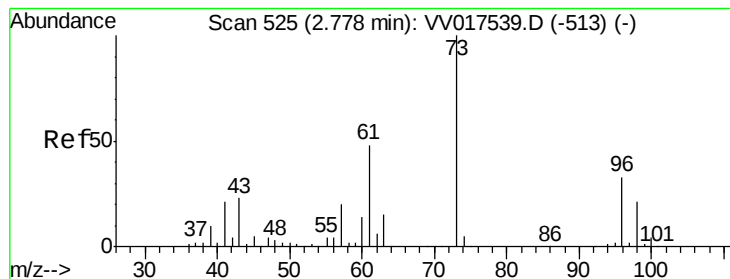
Ion Ratio Lower Upper

84 100

86 63.4 47.1 87.5

49 122.7 85.8 159.4





#17

trans-1,2-Dichloroethene

Concen: 58.238 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :
MSVOA_V
ClientSampled :

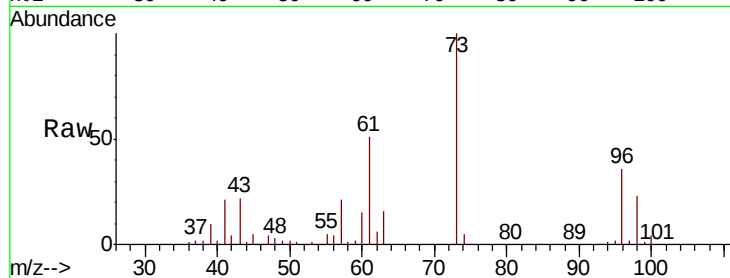
Tot Ion: 96 Resp: 109435

Ion Ratio Lower Upper

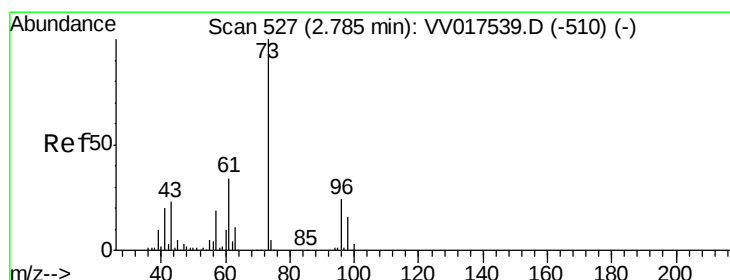
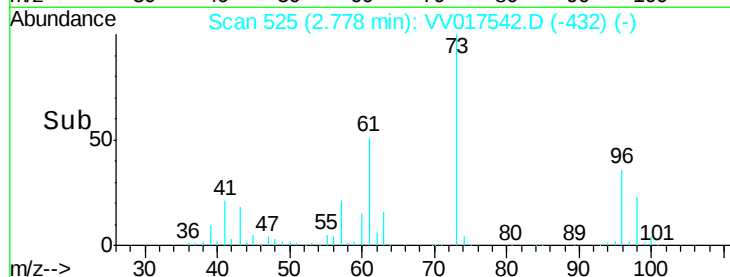
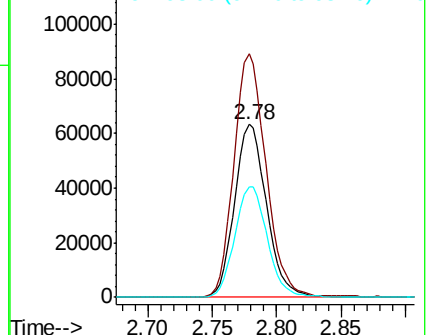
96 100

61 140.8 100.4 186.6

98 64.2 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 58.724 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

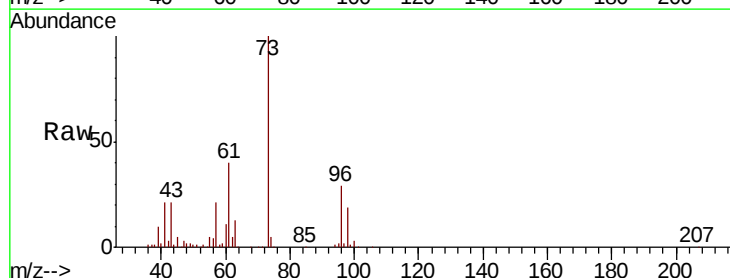
Tgt Ion: 73 Resp: 397525

Ion Ratio Lower Upper

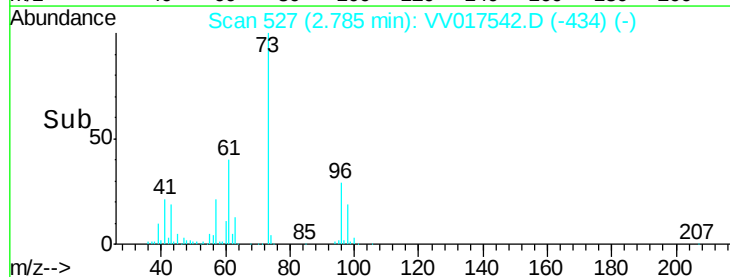
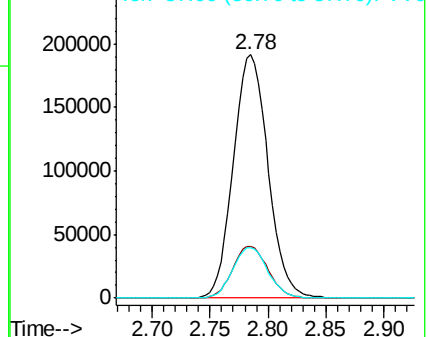
73 100

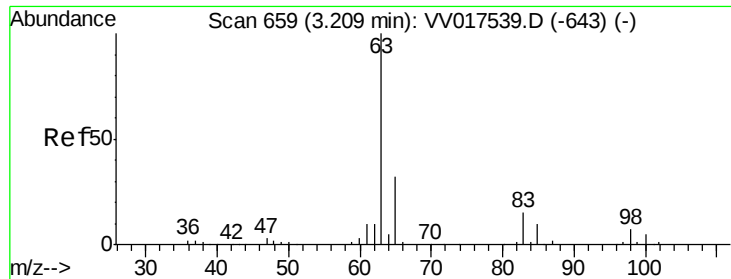
43 21.5 18.1 27.1

57 21.1 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

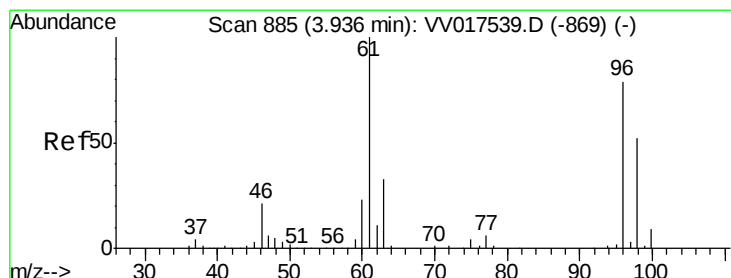
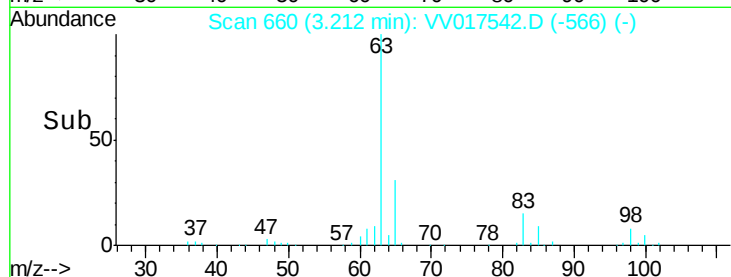
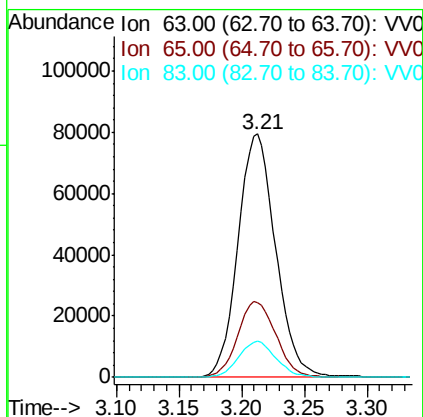
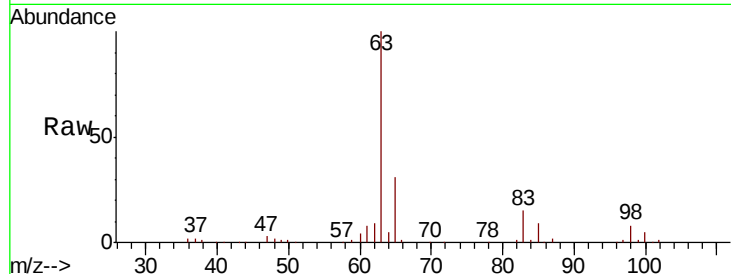




#19
 1,1-Dichloroethane
 Concen: 47.236 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

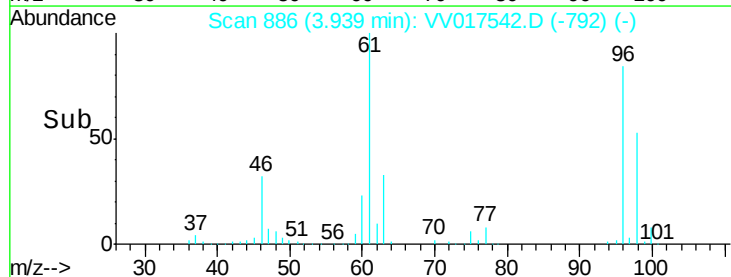
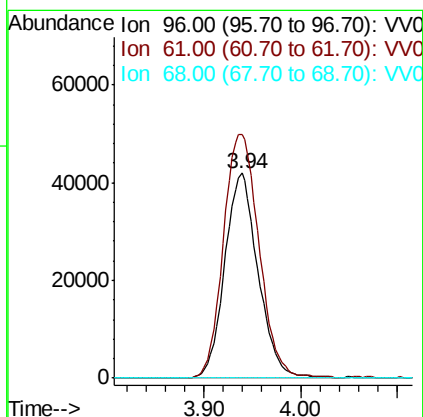
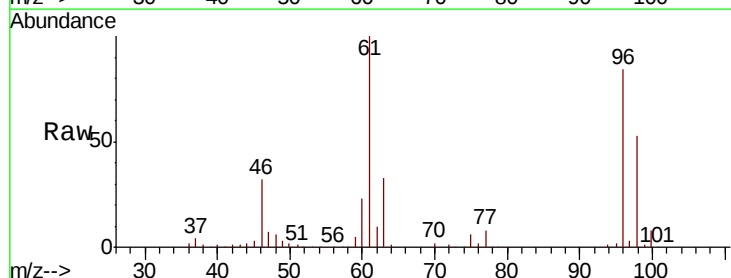
Instrument :
 MSVOA_V
 ClientSampled :

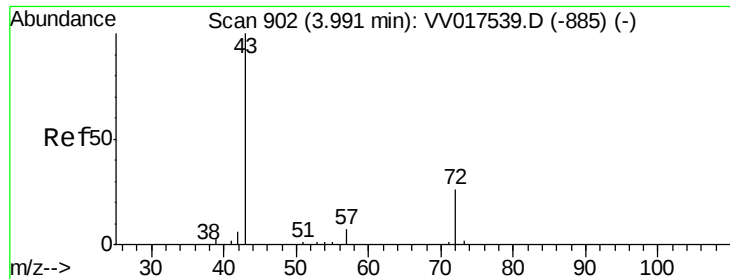
Tot Ion: 63 Resp: 165805
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 41.0
 83 14.7 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.689 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

Tgt Ion: 96 Resp: 100380
 Ion Ratio Lower Upper
 96 100
 61 118.8 88.5 164.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.281 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

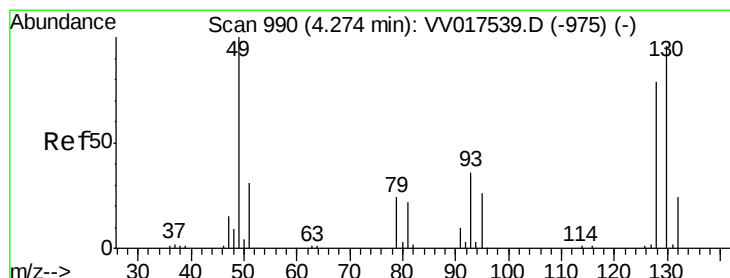
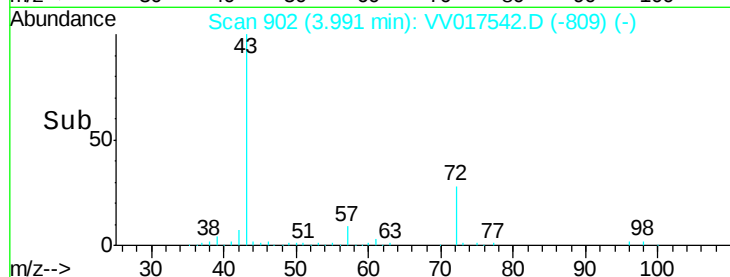
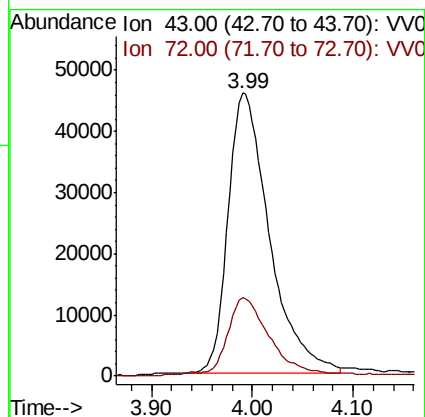
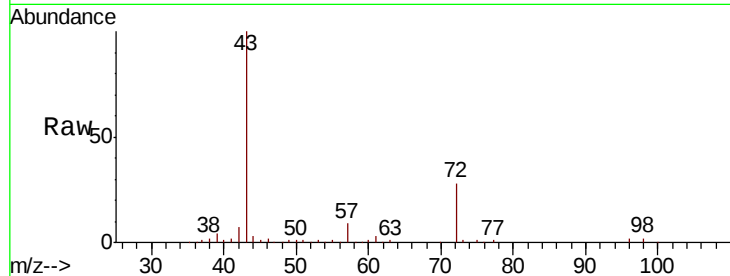
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 131718

Ion Ratio Lower Upper

43 100

72 27.9 12.7 38.0



#23

Bromochloromethane

Concen: 47.612 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Tgt Ion:128 Resp: 54984

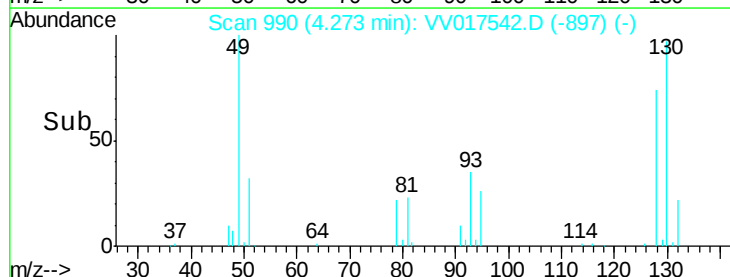
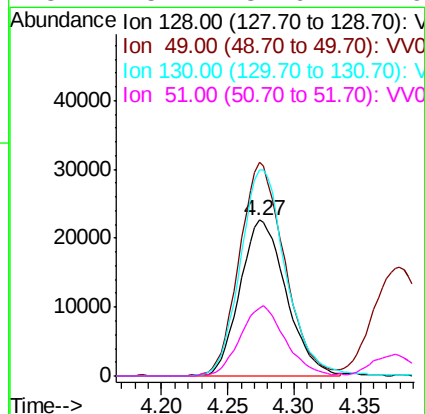
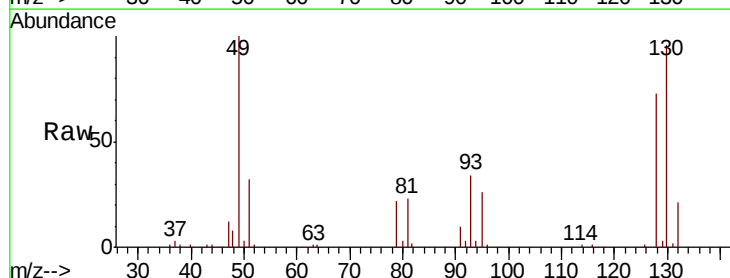
Ion Ratio Lower Upper

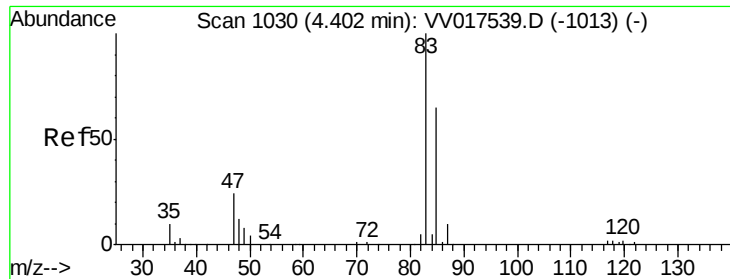
128 100

49 136.9 89.3 165.9

130 131.7 84.9 157.7

51 43.7 31.9 47.9

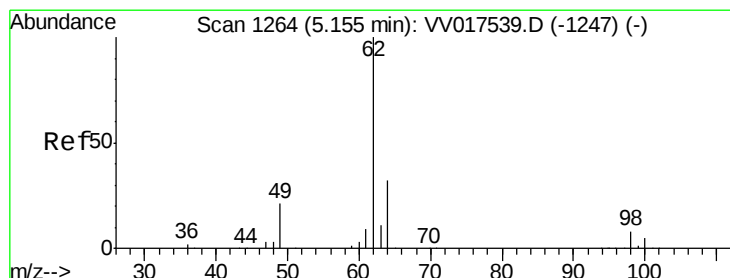
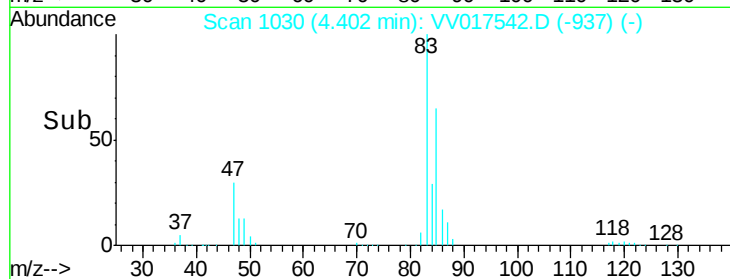
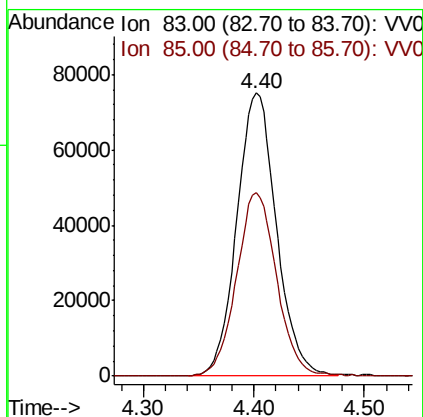
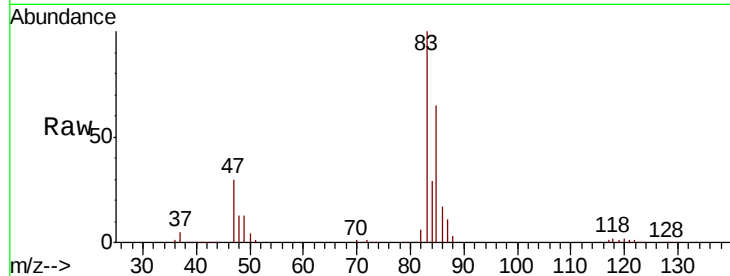




#25
Chloroform
Concen: 47.455 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

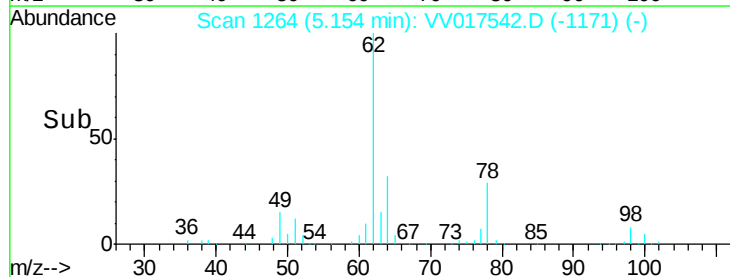
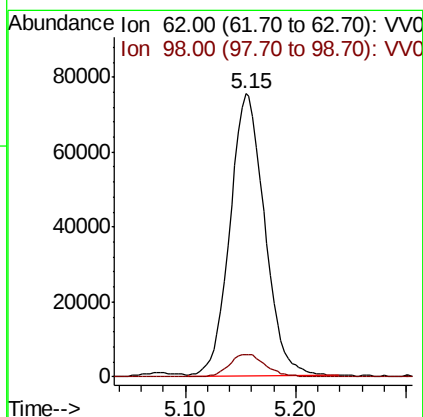
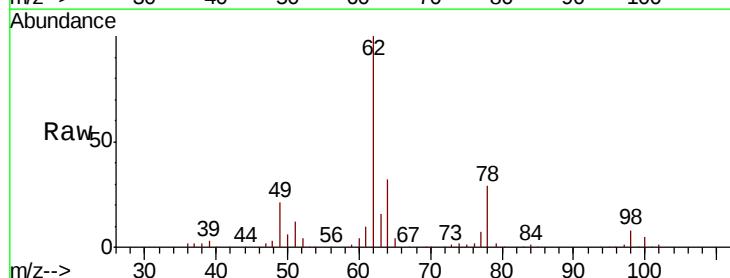
Instrument :
MSVOA_V
ClientSampleId :

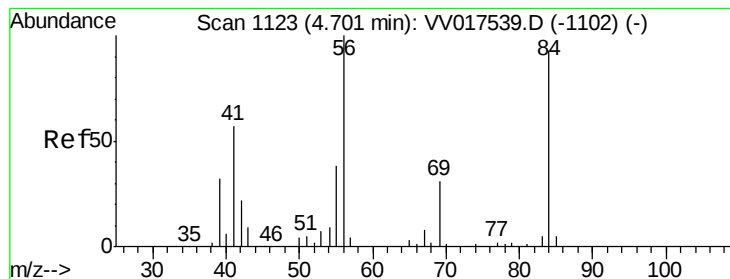
Tot Ion: 83 Resp: 186753
Ion Ratio Lower Upper
83 100
85 64.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 48.640 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Tgt Ion: 62 Resp: 164401
Ion Ratio Lower Upper
62 100
98 8.0 6.2 9.4





#29

Cyclohexane

Concen: 49.338 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

ClientSampleId :

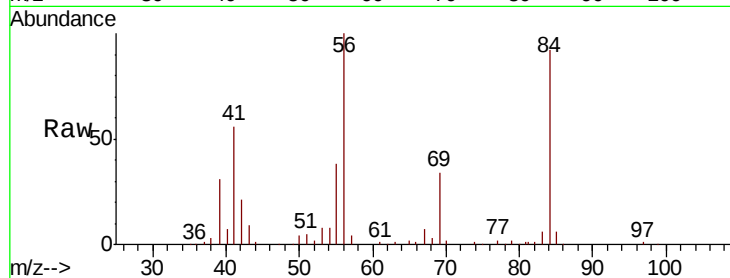
Tot Ion: 56 Resp: 132898

Ion Ratio Lower Upper

56 100

69 34.1 0.0 0.0#

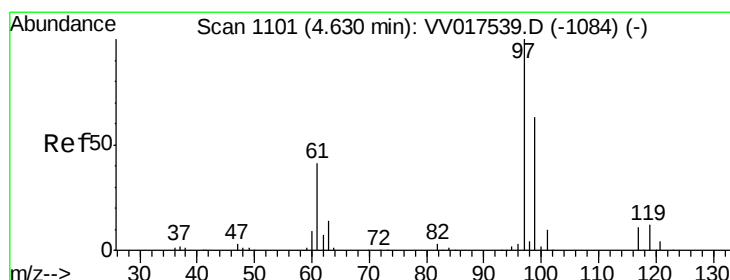
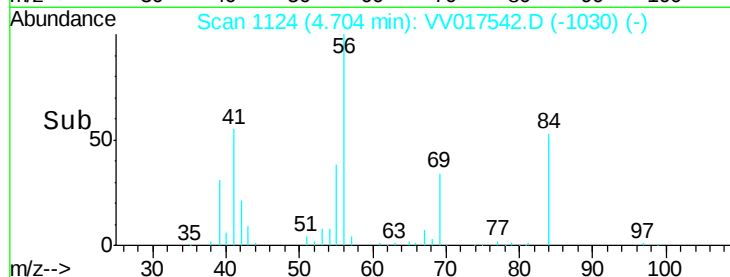
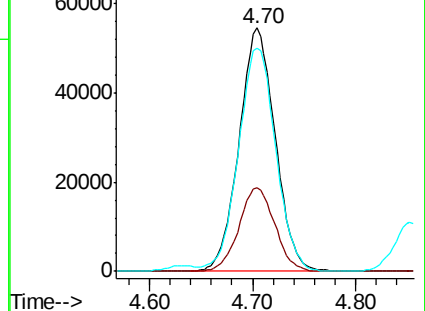
84 94.5 75.1 112.7



Abundance Ion 56.00 (55.70 to 56.70): VV017539.D (-1102) (-)

Ion 69.00 (68.70 to 69.70): VV017539.D (-1102) (-)

Ion 84.00 (83.70 to 84.70): VV017539.D (-1102) (-)



#30

1,1,1-Trichloroethane

Concen: 49.993 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

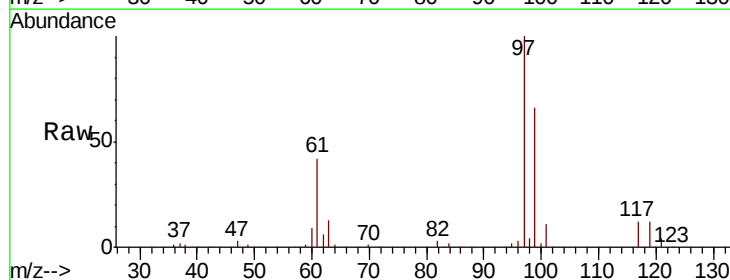
Tgt Ion: 97 Resp: 188401

Ion Ratio Lower Upper

97 100

99 63.2 50.5 75.7

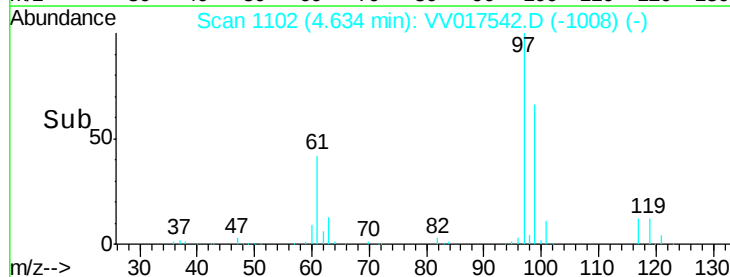
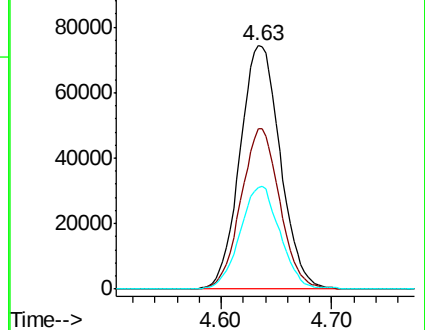
61 41.7 34.1 51.1

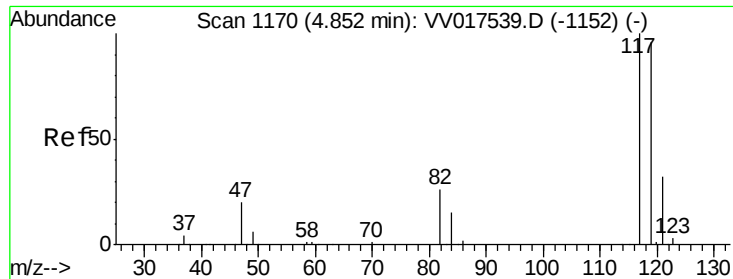


Abundance Ion 97.00 (96.70 to 97.70): VV017539.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV017539.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV017539.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 48.628 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

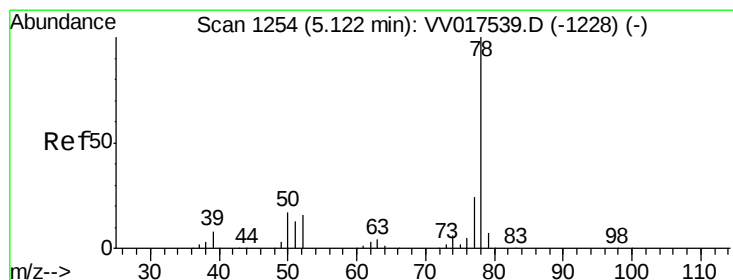
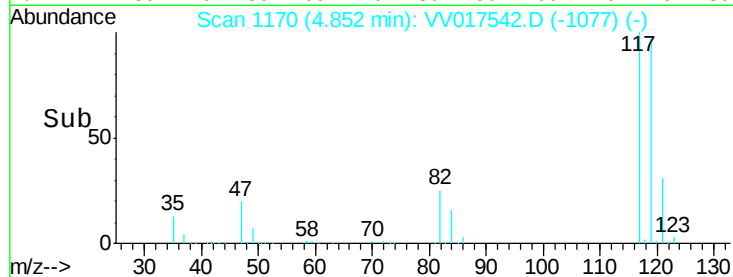
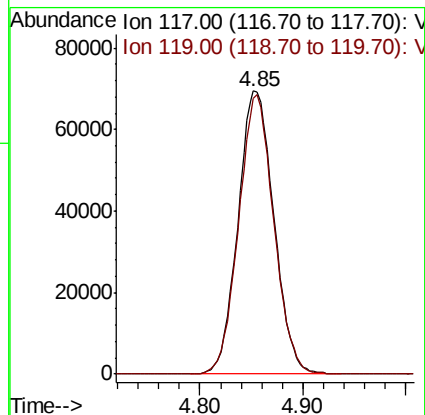
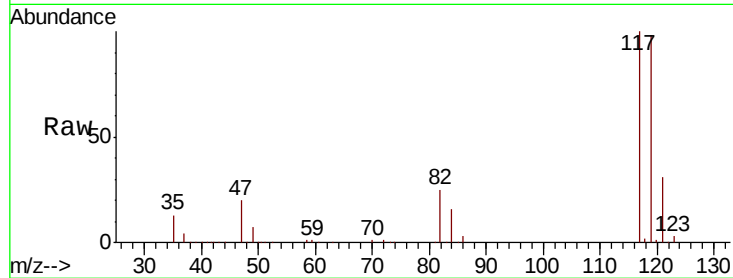
ClientSampleId :

Tot Ion:117 Resp: 167940

Ion Ratio Lower Upper

117 100

119 96.5 76.7 115.1



#33

Benzene

Concen: 48.616 ug/L

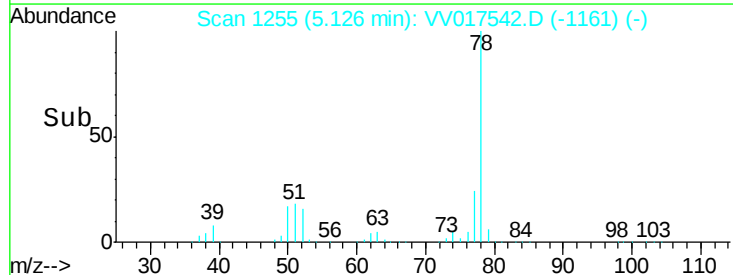
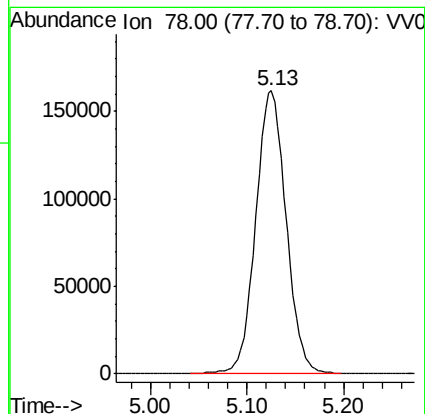
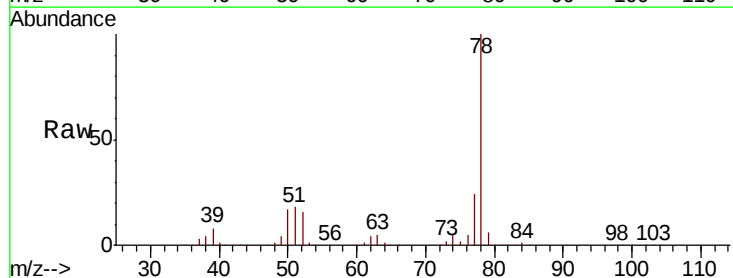
RT: 5.13 min Scan# 1255

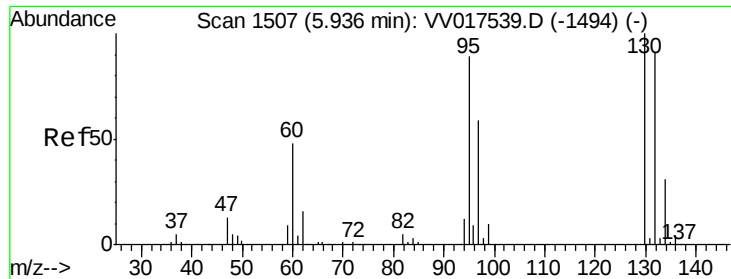
Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Tgt Ion: 78 Resp: 354106





#34

Trichloroethene

Concen: 49.021 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 98410

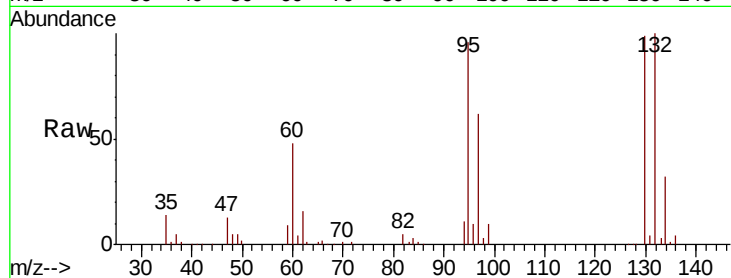
Ion Ratio Lower Upper

95 100

97 65.2 46.1 85.5

132 104.6 71.3 132.3

130 103.9 78.3 145.3



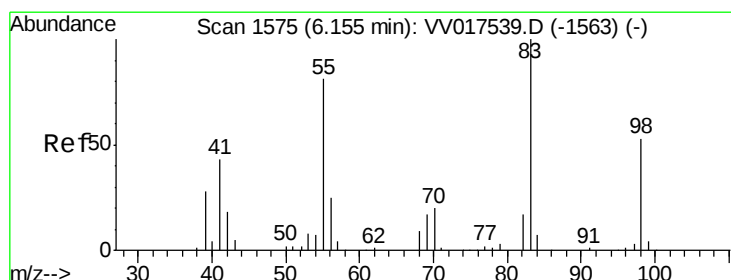
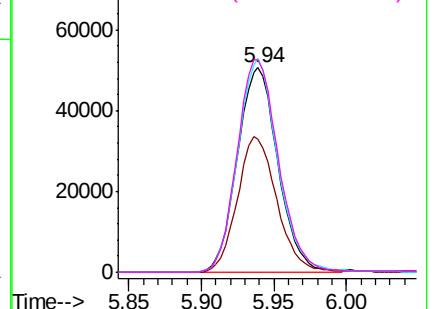
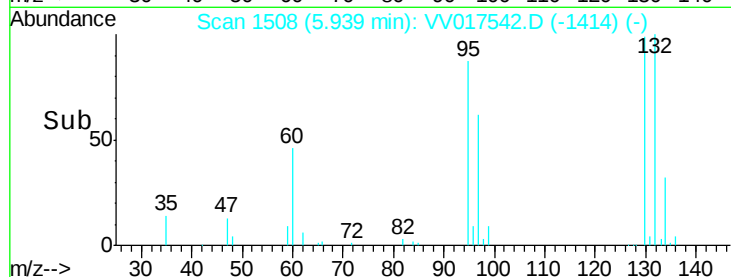
Abundance

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: 49.696 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

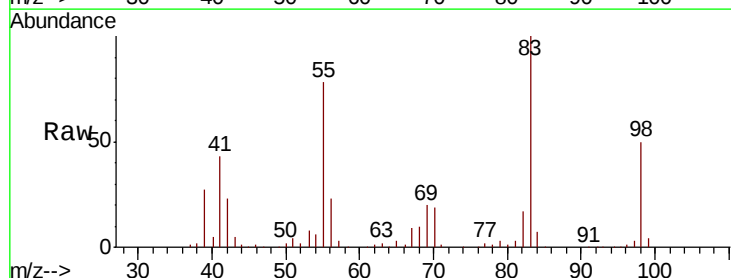
Tgt Ion: 83 Resp: 147154

Ion Ratio Lower Upper

83 100

55 75.8 60.7 91.1

98 50.6 40.8 61.2

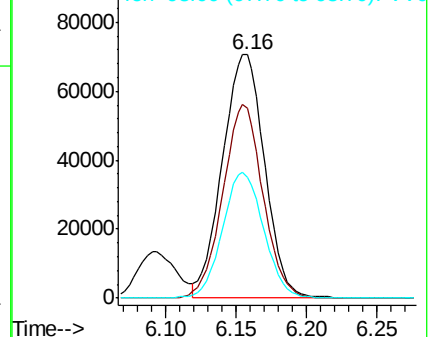
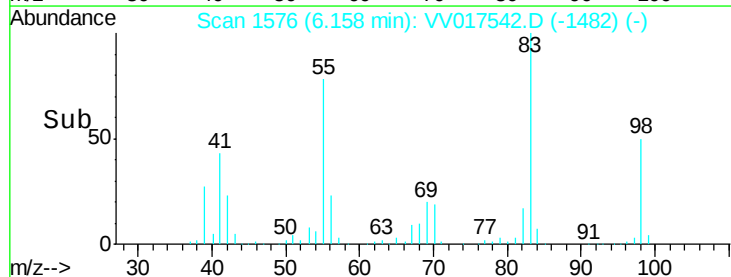


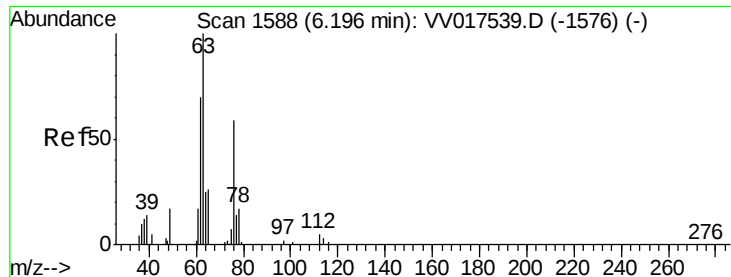
Abundance

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

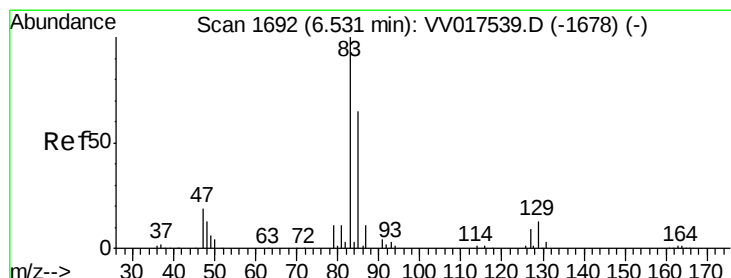
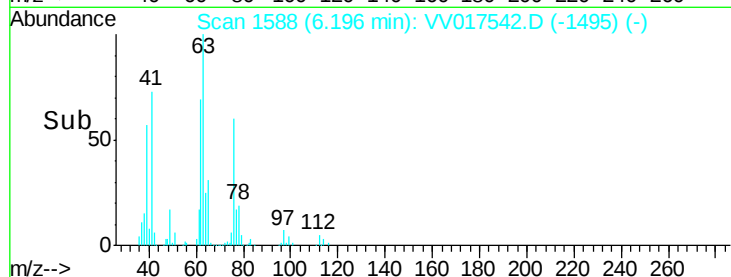
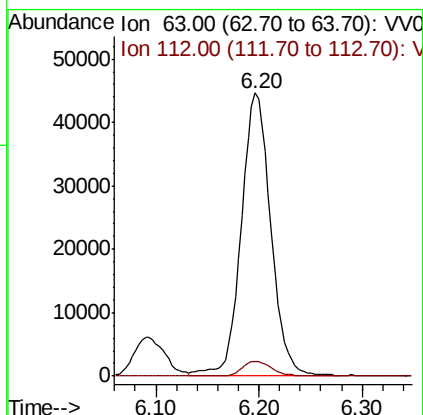
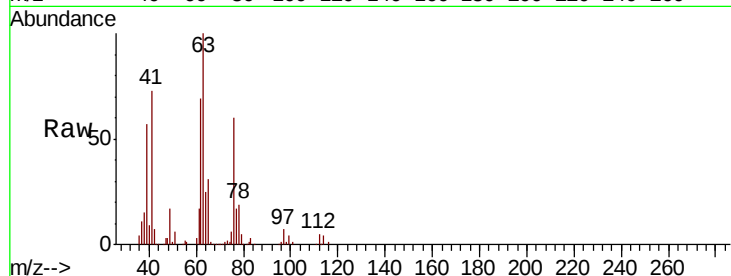




#37
 1,2-Dichloropropane
 Concen: 48.173 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

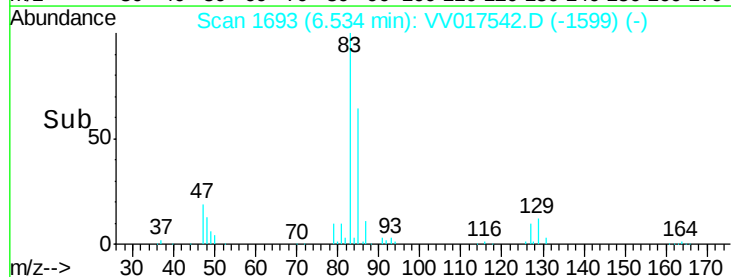
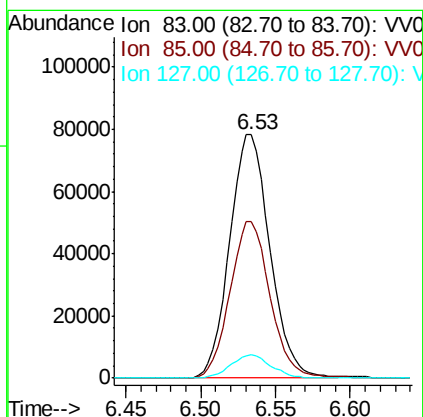
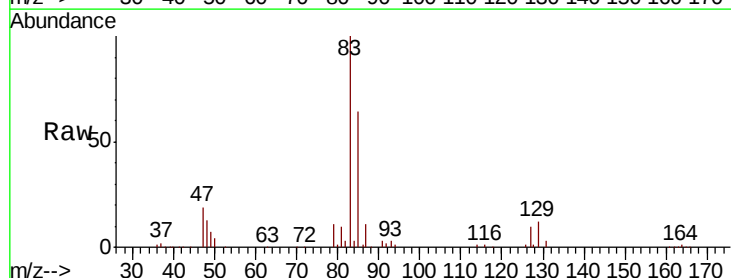
Instrument :
 MSVOA_V
 ClientSampleId :

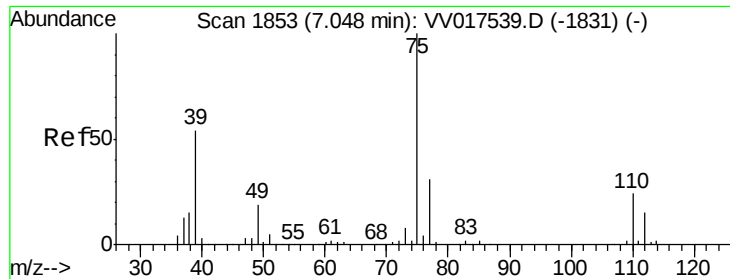
Tot Ion: 63 Resp: 89161
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.5 6.7



#38
 Bromodichloromethane
 Concen: 49.122 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

Tgt Ion: 83 Resp: 146683
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.4
 127 9.8 7.6 11.4

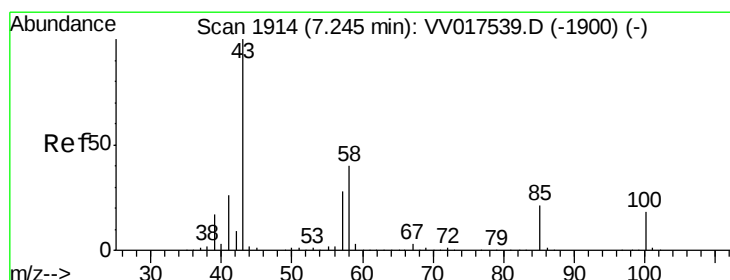
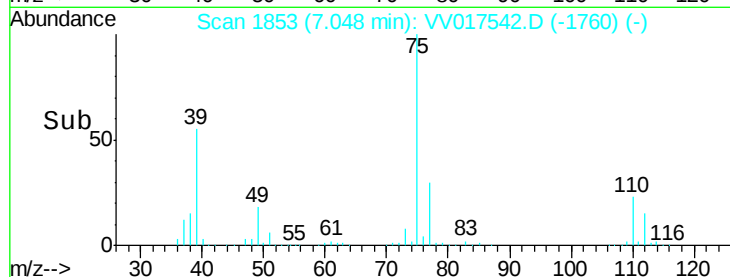
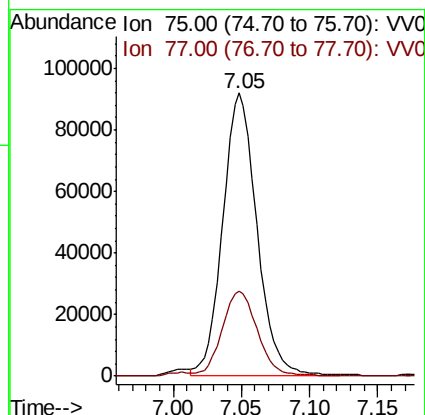
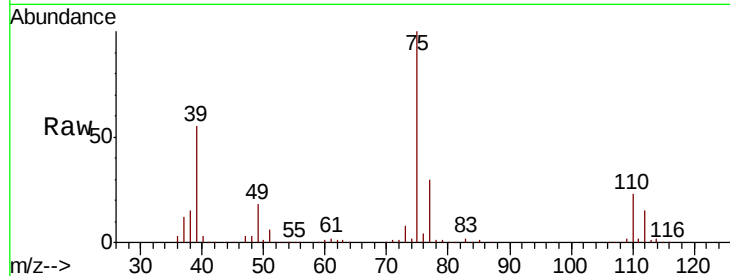




#39
 cis-1,3-Dichloropropene
 Concen: 51.049 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

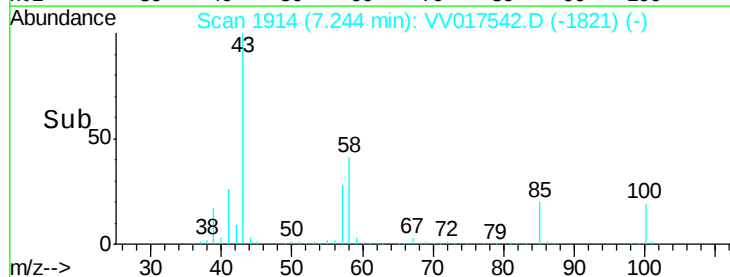
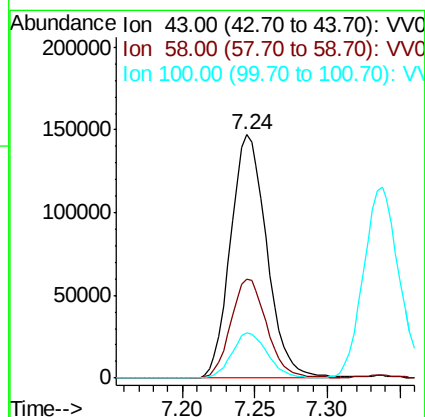
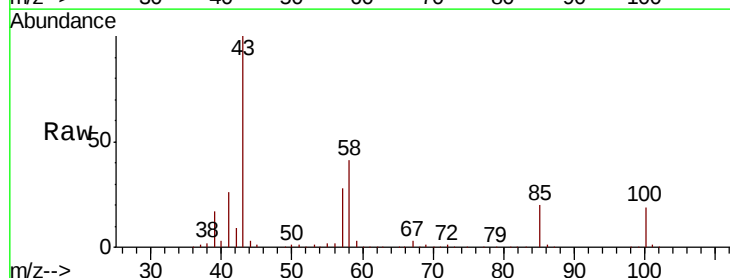
Instrument :
 MSVOA_V
 ClientSampled :

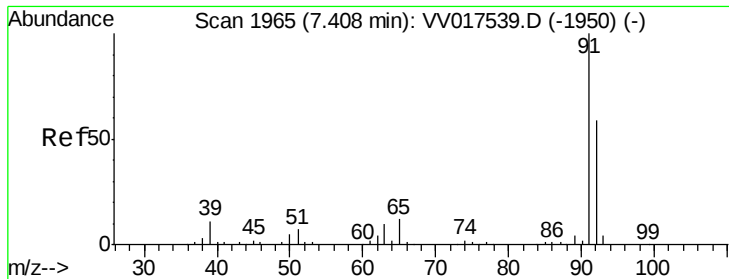
Tot Ion: 75 Resp: 159586
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 99.201 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

Tgt Ion: 43 Resp: 254755
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.8 47.6
 100 18.2 14.6 21.8





#42

Toluene

Concen: 49.513 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

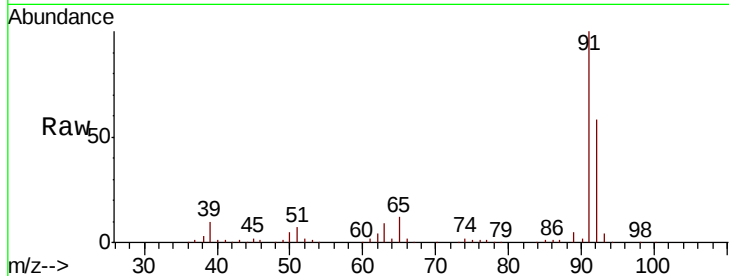
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 398466

Ion Ratio Lower Upper

91 100

92 58.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV017539.D (-1950) (-)

7.41

250000

200000

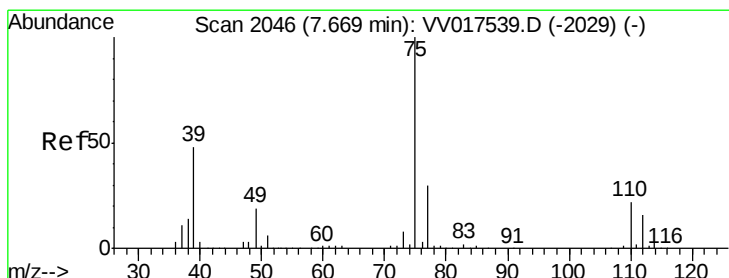
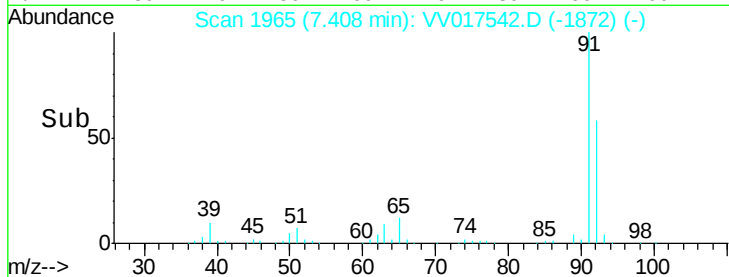
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.867 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017542.D

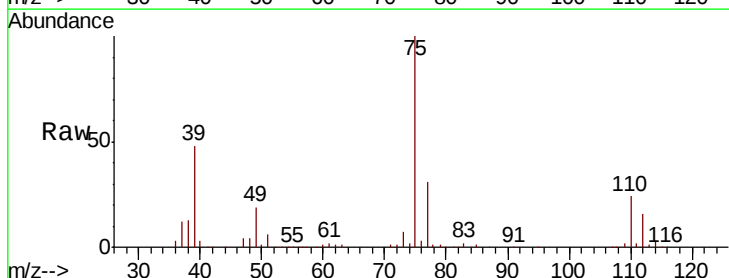
Acq: 20 Jul 2020 13:47

Tgt Ion: 75 Resp: 170945

Ion Ratio Lower Upper

75 100

77 30.8 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV017539.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017539.D (-2029) (-)

7.67

100000

80000

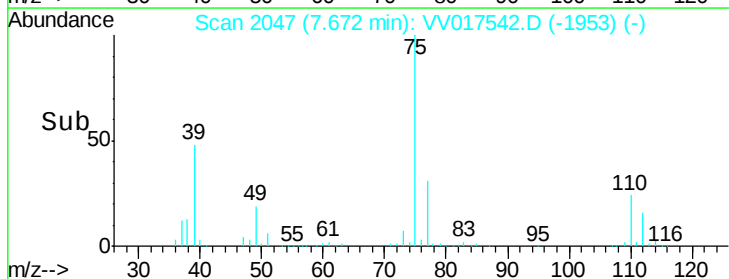
60000

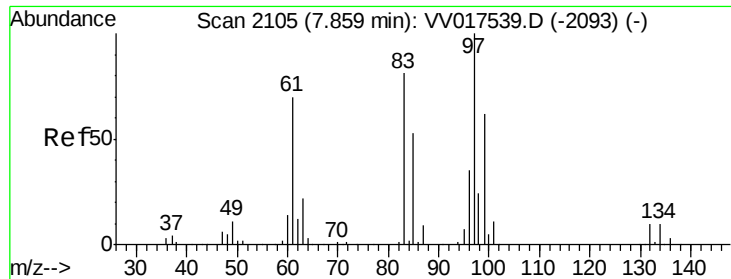
40000

20000

0

Time-->

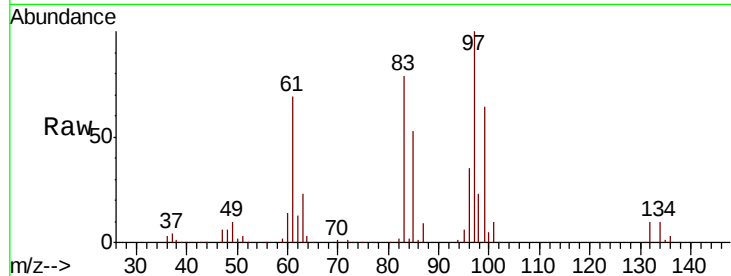




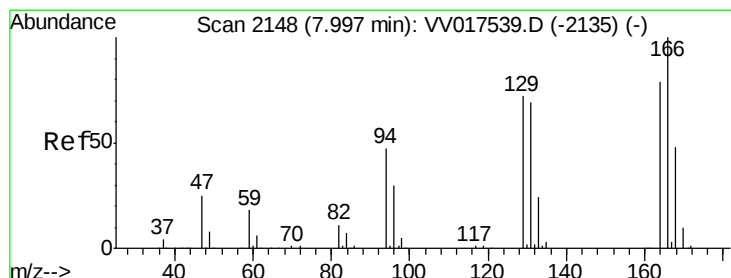
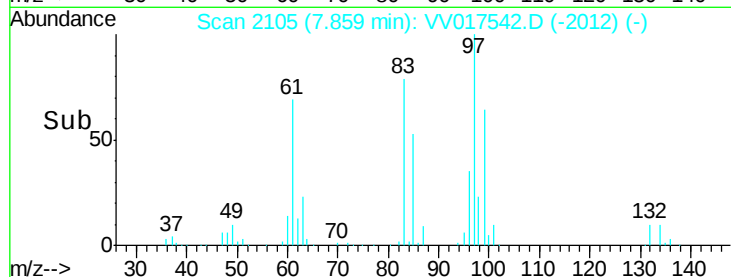
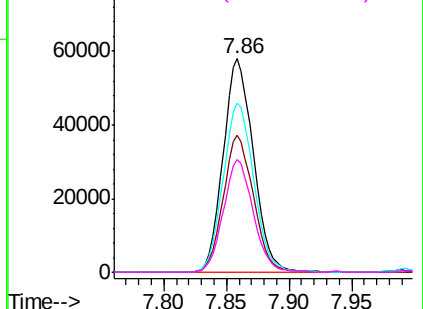
#45
1,1,2-Trichloroethane
Concen: 48.064 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	96845
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.4	80.6
83	79.4	56.9	105.7
85	52.5	36.9	68.5

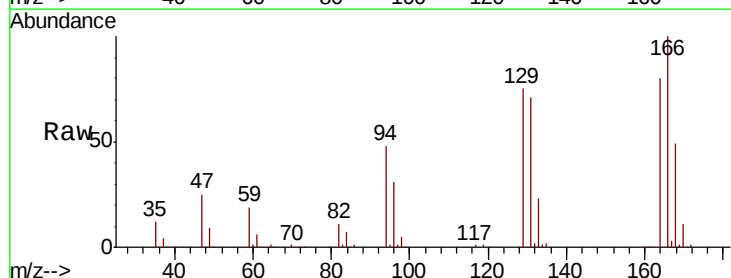


Abundance Ion 97.00 (96.70 to 97.70): VV017542.D (-2012) (-)

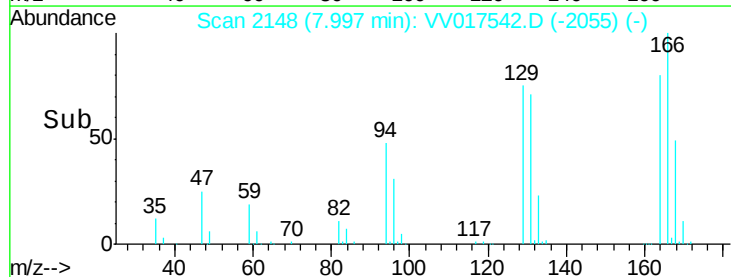
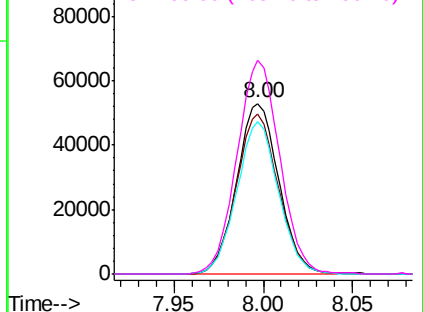


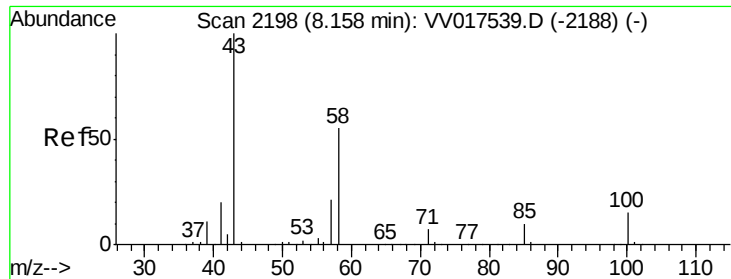
#46
Tetrachloroethene
Concen: 49.717 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Tgt Ion:	164	Resp:	87182
Ion	Ratio	Lower	Upper
164	100		
129	93.7	63.6	118.2
131	89.1	61.3	113.9
166	125.0	88.4	164.2



Abundance Ion 164.00 (163.70 to 164.70): VV017542.D (-2055) (-)

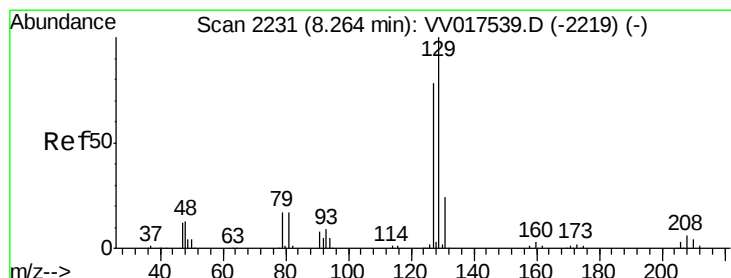
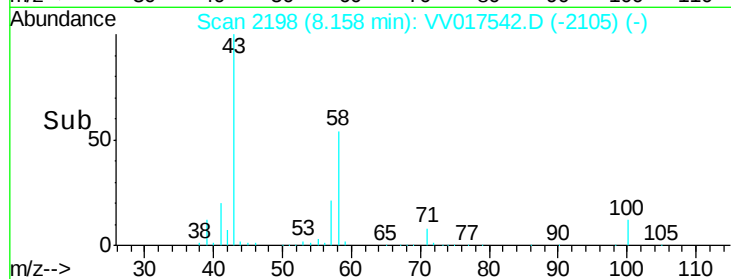
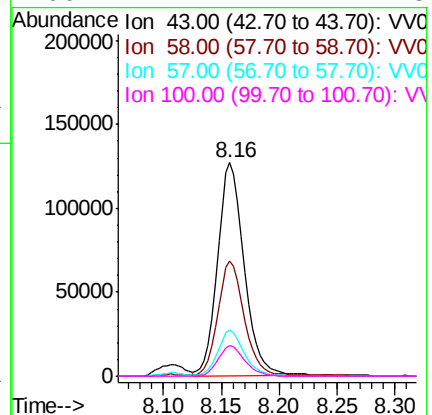
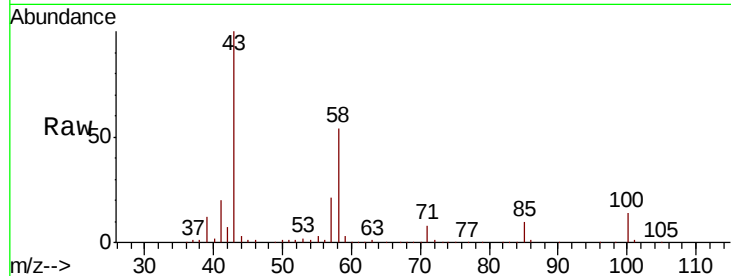




#48
2-Hexanone
Concen: 99.405 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

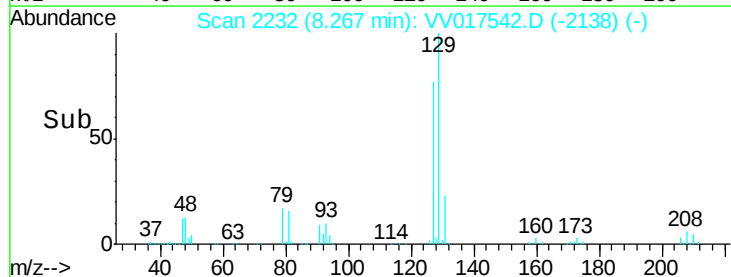
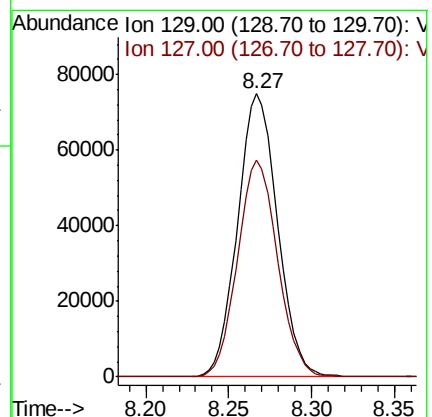
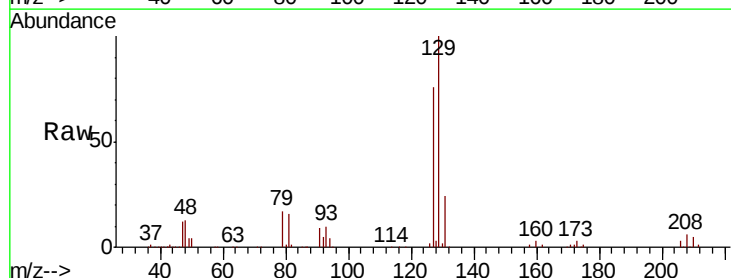
Instrument :
MSVOA_V
ClientSampleId :

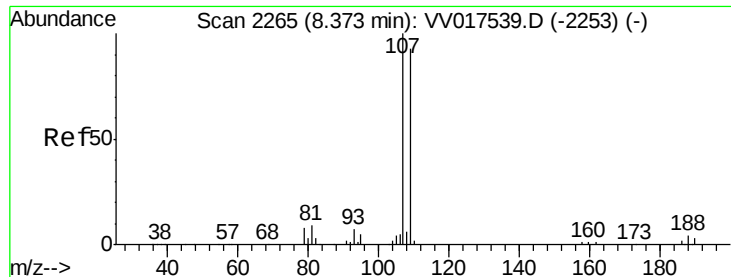
Tot Ion: 43 Resp: 203803
Ion Ratio Lower Upper
43 100
58 54.2 43.3 64.9
57 20.9 17.2 25.8
100 14.4 11.7 17.5



#49
Dibromochloromethane
Concen: 49.388 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Tgt Ion:129 Resp: 125490
Ion Ratio Lower Upper
129 100
127 76.5 54.3 100.9

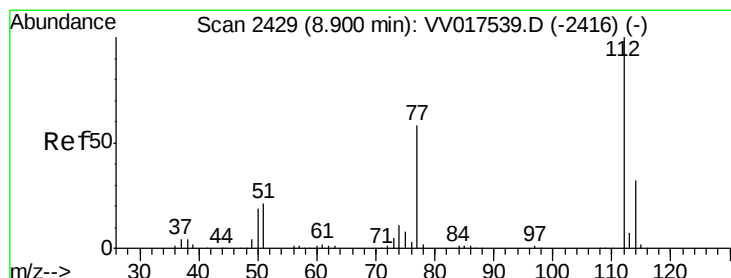
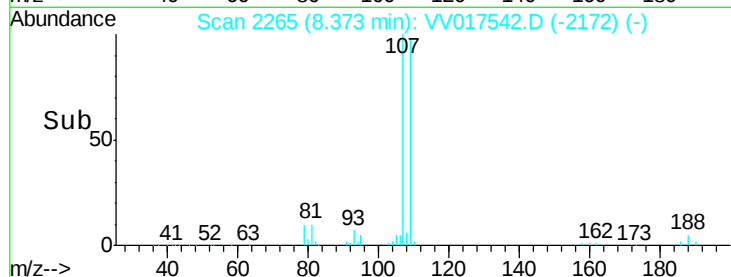
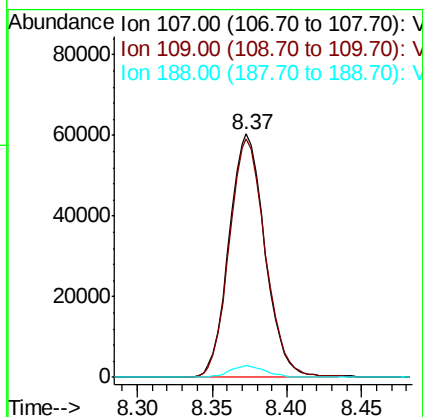
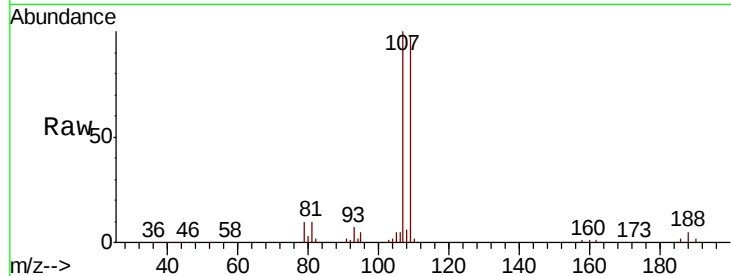




#50
1,2-Dibromoethane
Concen: 45.028 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

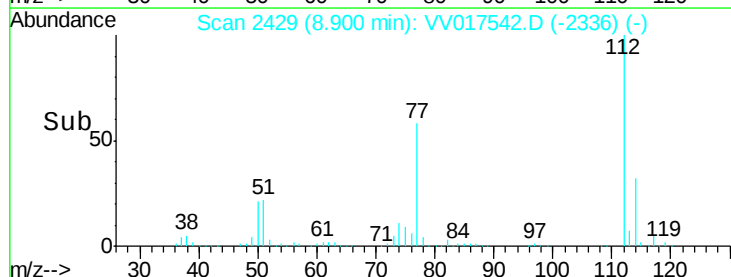
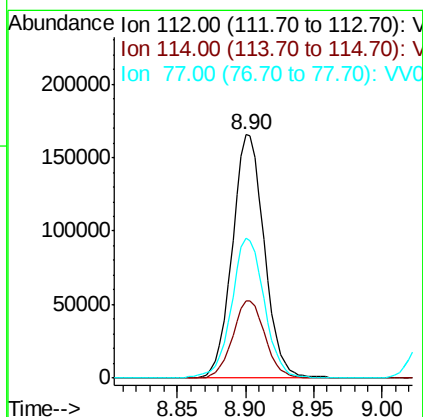
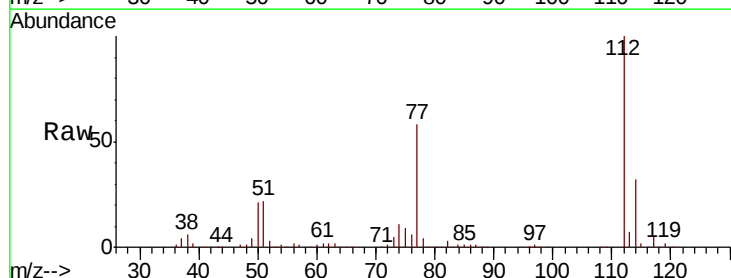
Instrument :
MSVOA_V
ClientSampleId :

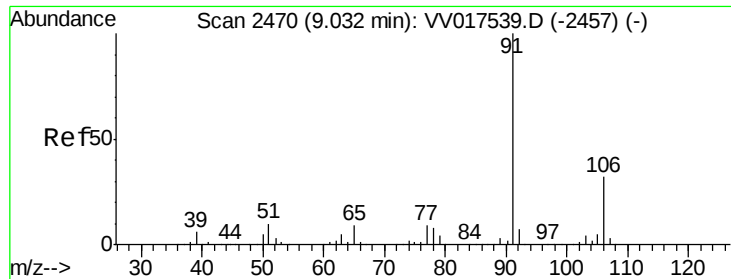
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.1	65.5	121.7
188	4.9	3.3	4.9



#51
Chlorobenzene
Concen: 47.609 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.1
77	57.6	46.9	70.3





#52

Ethylbenzene

Concen: 48.351 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

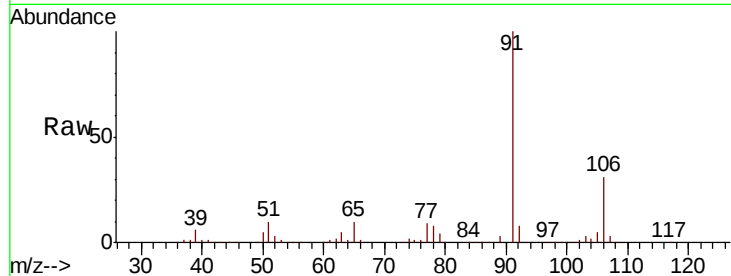
ClientSampleId :

Tot Ion: 91 Resp: 458741

Ion Ratio Lower Upper

91 100

106 30.8 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV017539.D (-2457) (-)

9.03

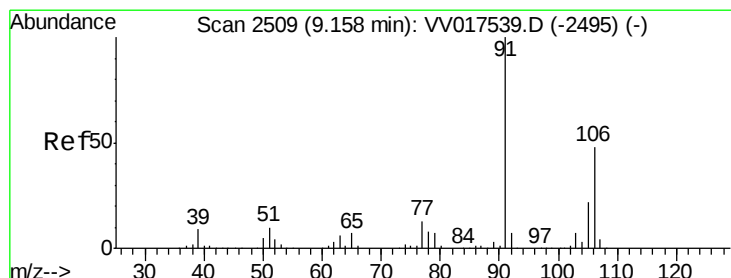
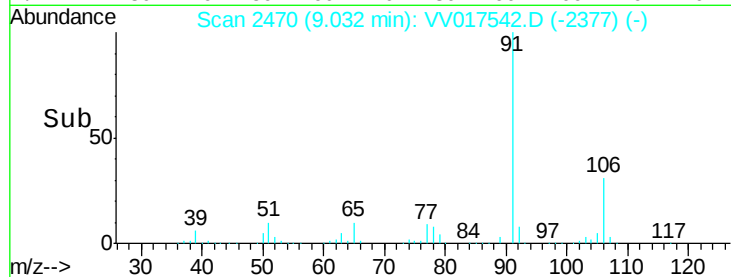
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 49.870 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017542.D

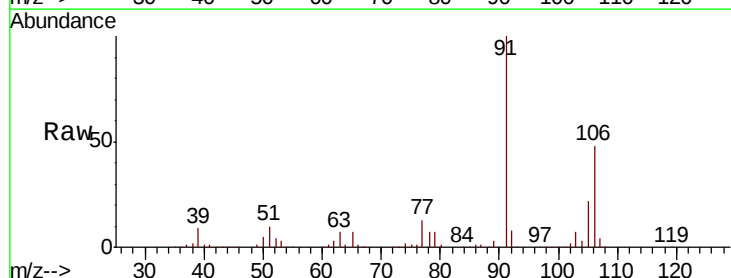
Acq: 20 Jul 2020 13:47

Tgt Ion: 106 Resp: 175906

Ion Ratio Lower Upper

106 100

91 208.1 146.2 271.4



Abundance Ion 106.00 (105.70 to 106.70): VV017539.D (-2495) (-)

Ion 91.00 (90.70 to 91.70): VV017539.D (-2495) (-)

9.16

250000

200000

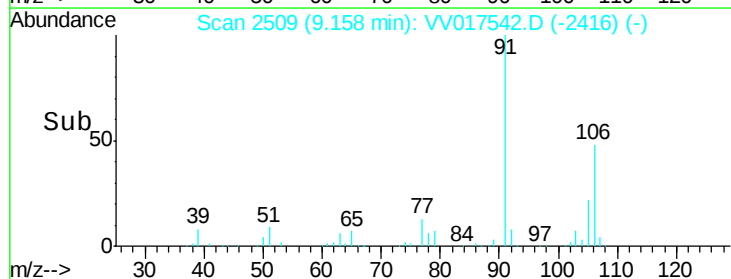
150000

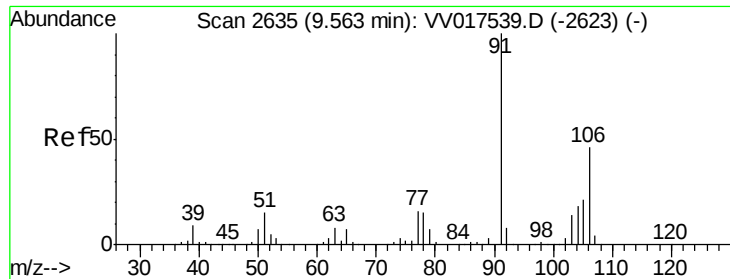
100000

50000

0

Time--> 9.10 9.15 9.20 9.25

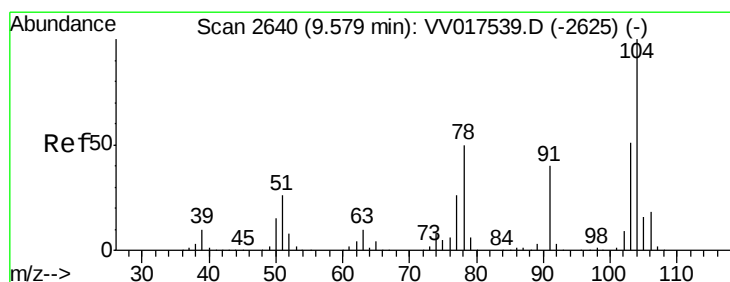
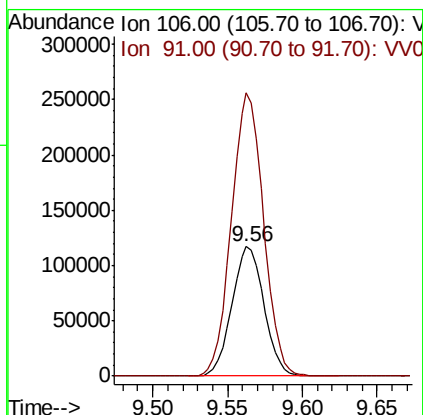
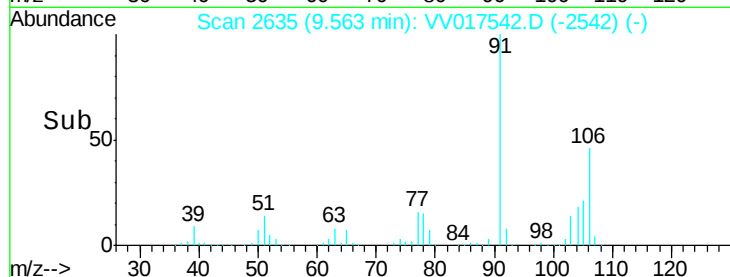
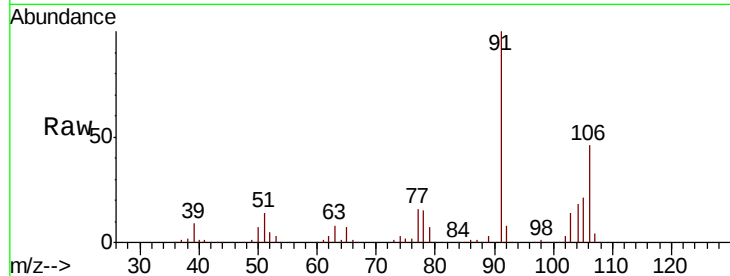




#54
o-xylene
Concen: 50.996 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

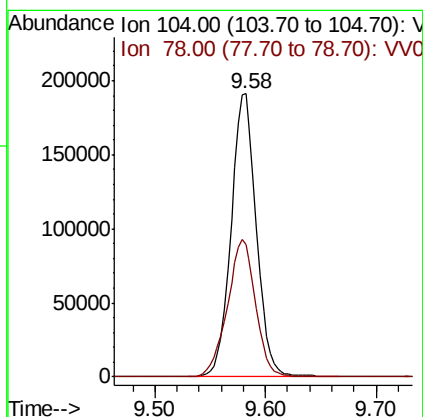
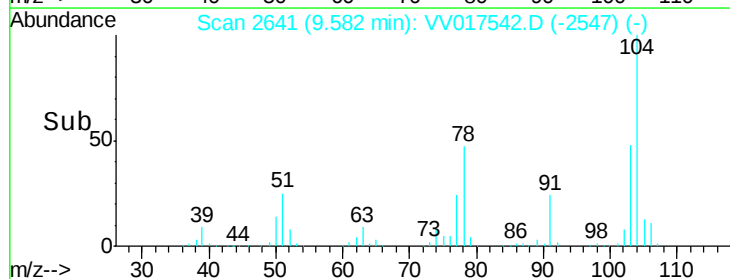
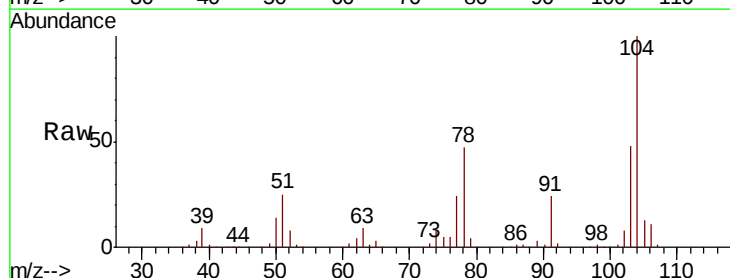
Instrument :
MSVOA_V
ClientSampled :

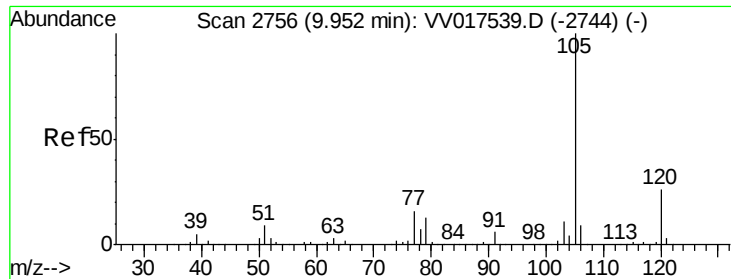
Tot Ion:106 Resp: 175649
Ion Ratio Lower Upper
106 100
91 218.5 151.6 281.6



#55
Styrene
Concen: 51.460 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017542.D
Acq: 20 Jul 2020 13:47

Tgt Ion:104 Resp: 303520
Ion Ratio Lower Upper
104 100
78 46.9 34.7 64.5





#56

Isopropylbenzene

Concen: 52.032 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :
MSVOA_V
ClientSampleId :

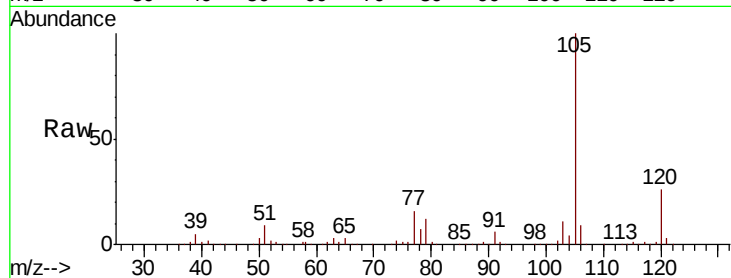
Tot Ion:105 Resp: 483639

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

77 16.1 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): VV017539.D (-2744) (-)

Ion 120.00 (119.70 to 120.70): VV017539.D (-2744) (-)

Ion 77.00 (76.70 to 77.70): VV017539.D (-2744) (-)

9.95

400000

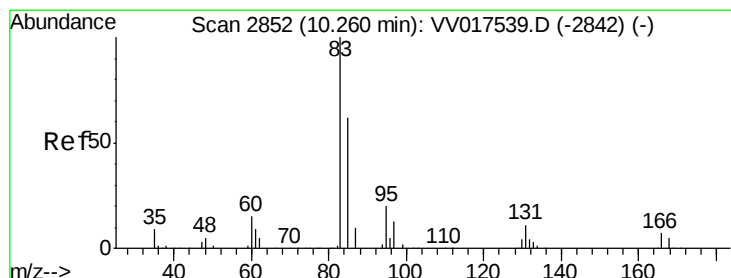
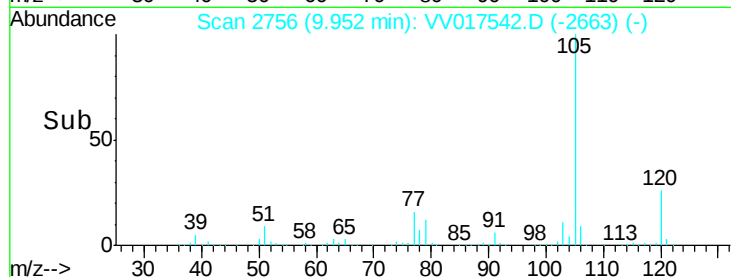
300000

200000

100000

0

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 52.490 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

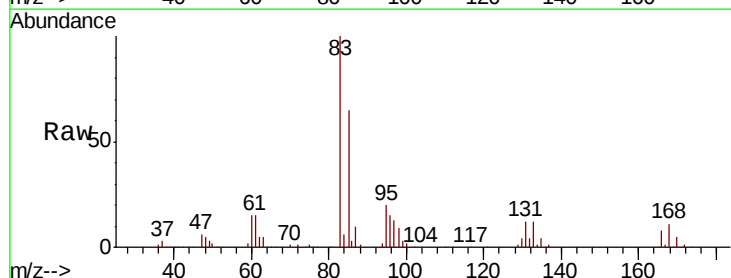
Tgt Ion: 83 Resp: 157484

Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9

131 12.1 9.4 14.0



Abundance Ion 83.00 (82.70 to 83.70): VV017539.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV017539.D (-2842) (-)

Ion 131.00 (130.70 to 131.70): VV017539.D (-2842) (-)

10.26

120000

100000

80000

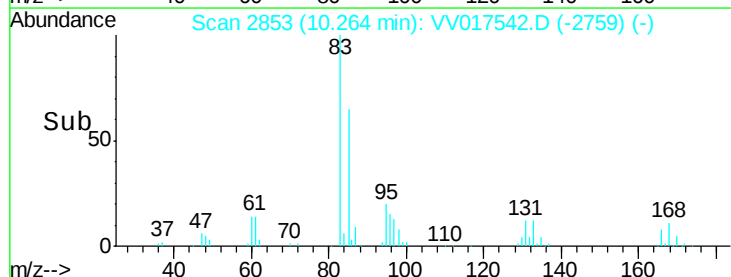
60000

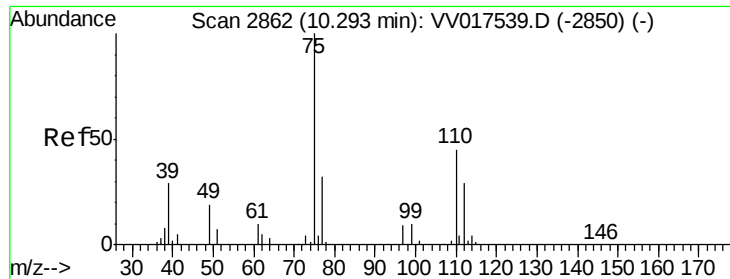
40000

20000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 52.601 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

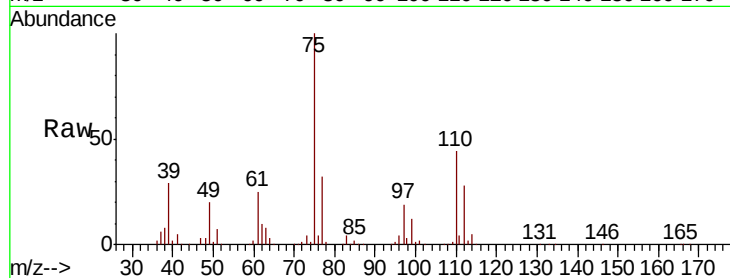
ClientSampled :

Tot Ion: 75 Resp: 135421

Ion Ratio Lower Upper

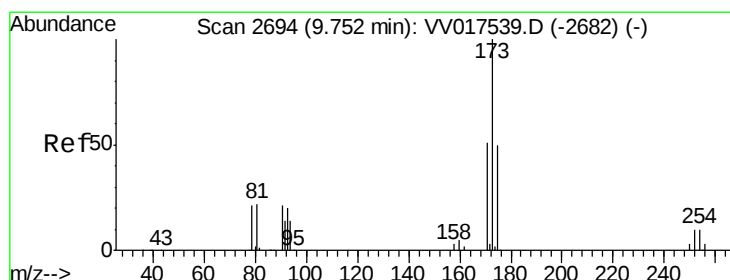
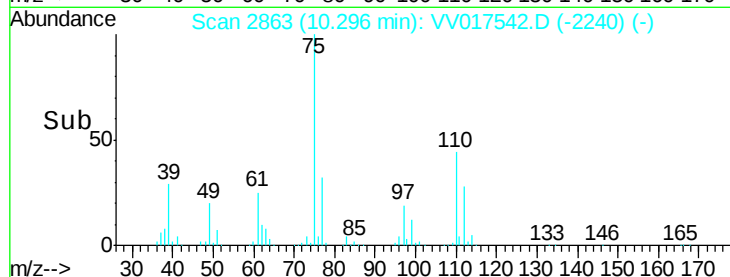
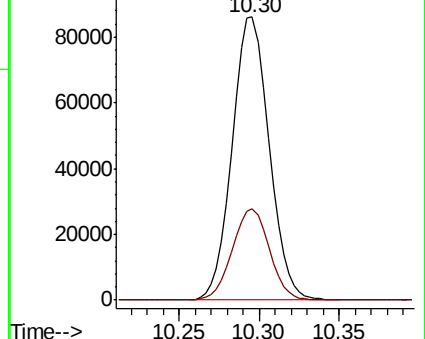
75 100

77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 49.475 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

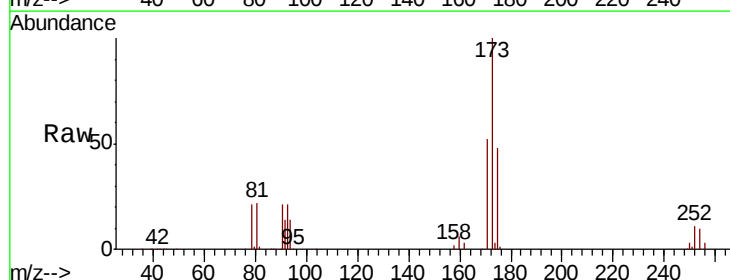
Tgt Ion: 173 Resp: 97626

Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.0

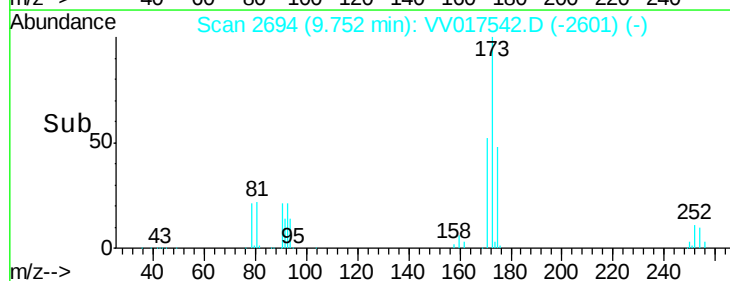
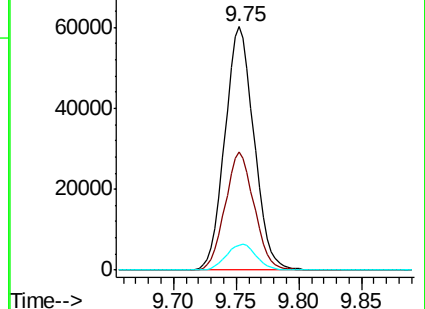
254 10.8 8.2 12.4

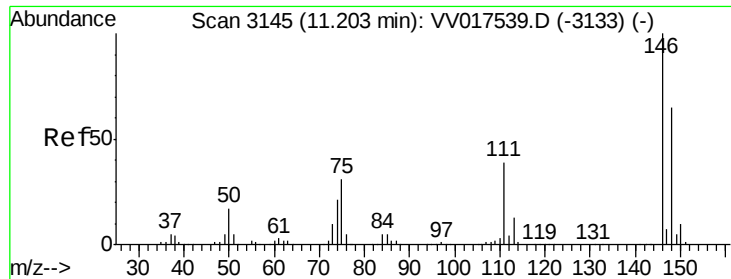


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 49.091 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

ClientSampleId :

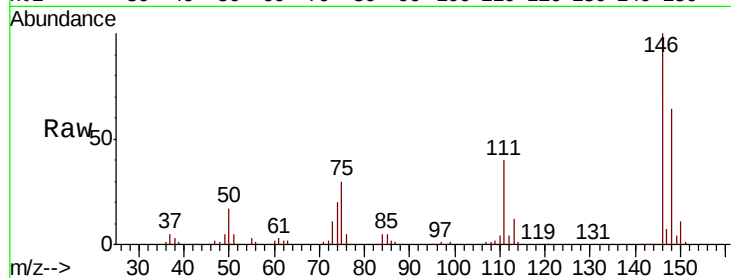
Tot Ion:146 Resp: 238301

Ion Ratio Lower Upper

146 100

111 40.1 27.6 51.2

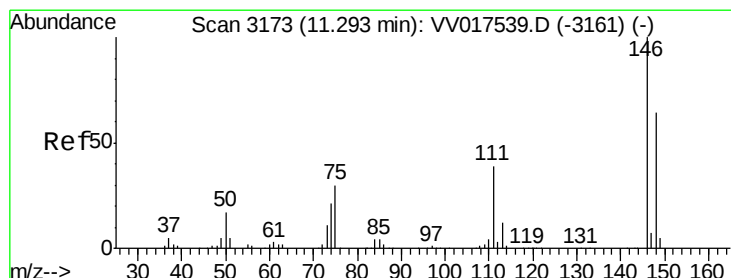
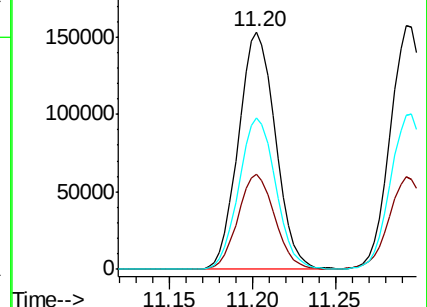
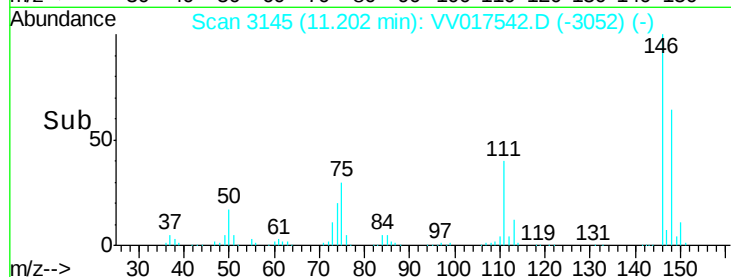
148 63.7 45.8 85.0



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



#63

1,4-Dichlorobenzene

Concen: 47.801 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

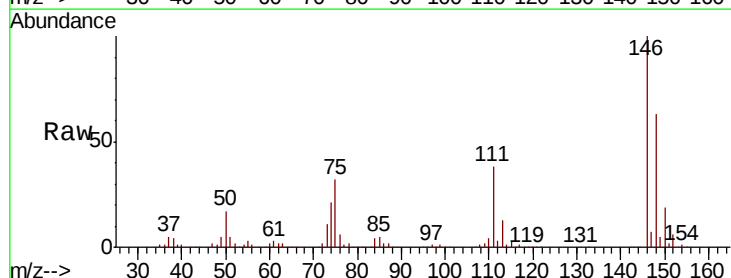
Tgt Ion:146 Resp: 241691

Ion Ratio Lower Upper

146 100

111 37.8 27.2 50.4

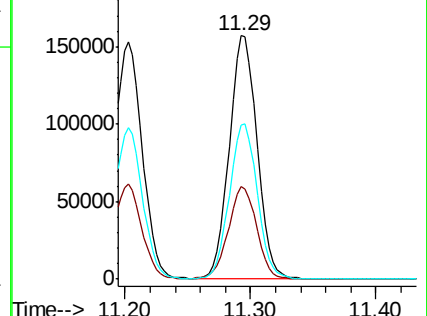
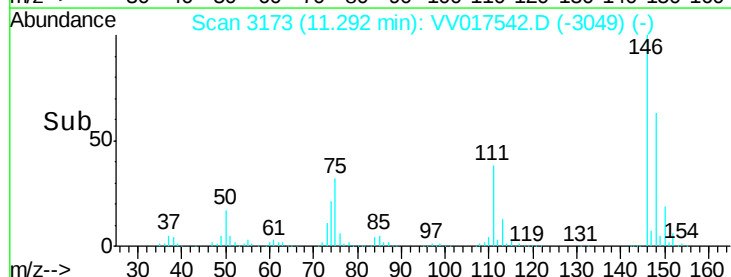
148 63.4 44.7 82.9

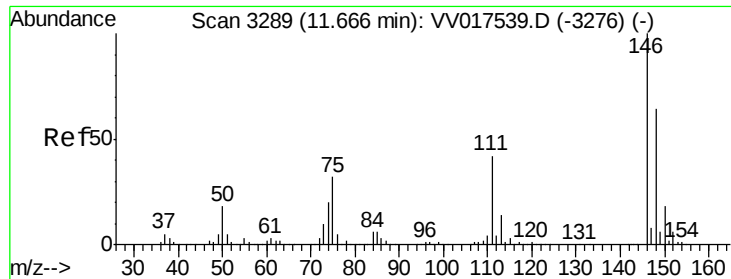


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.766 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Instrument :

MSVOA_V

ClientSampleId :

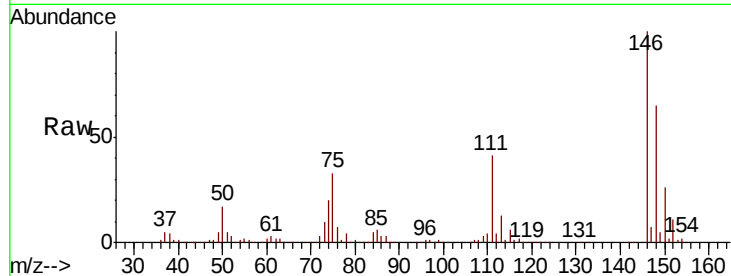
Tot Ion:146 Resp: 239477

Ion Ratio Lower Upper

146 100

111 41.1 33.8 50.8

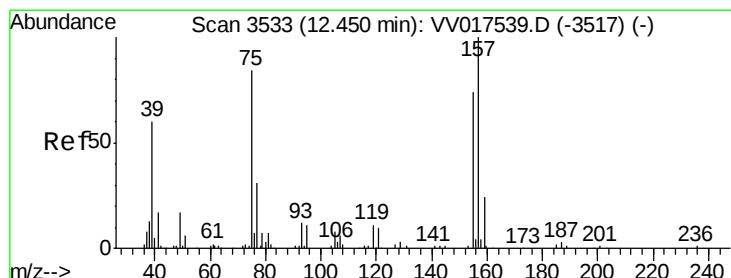
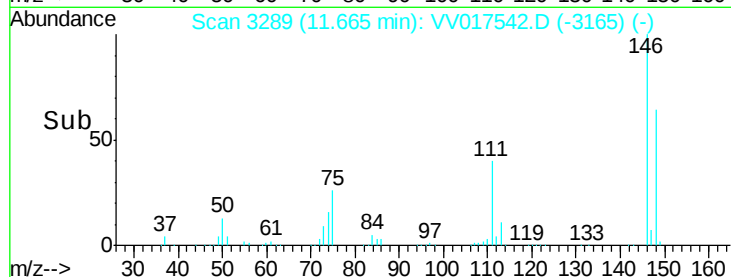
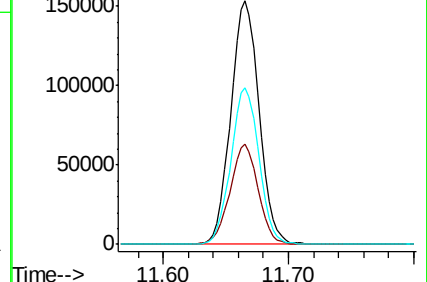
148 64.5 50.9 76.3



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: 53.330 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

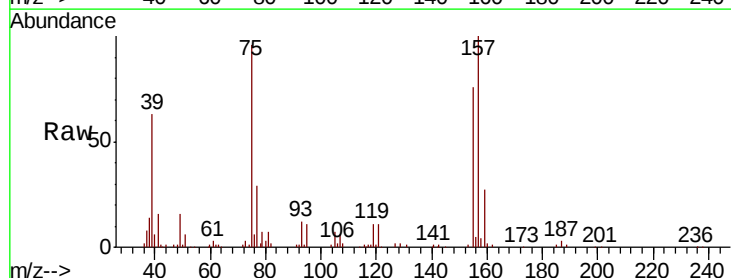
Tgt Ion: 75 Resp: 49493

Ion Ratio Lower Upper

75 100

155 79.4 70.6 105.8

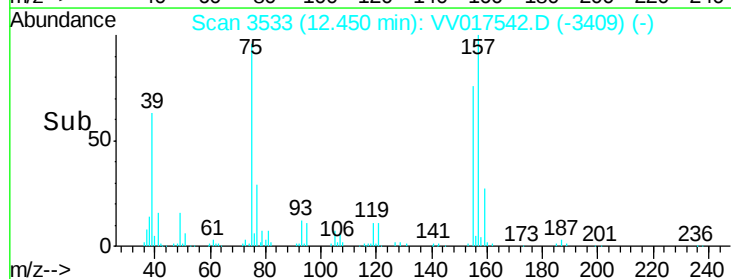
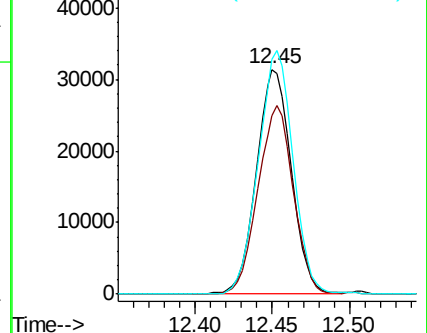
157 104.4 95.2 142.8

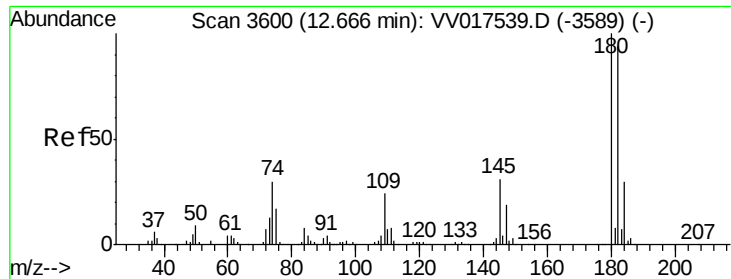


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

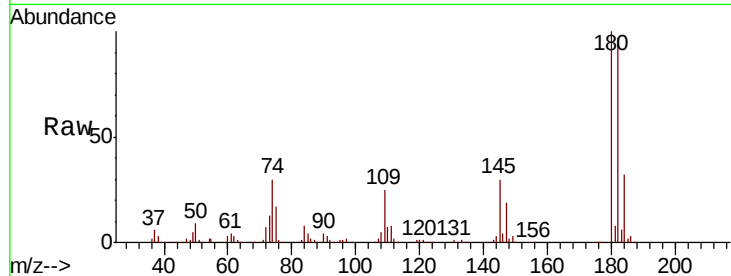




#67
 1,3,5-Trichlorobenzene
 Concen: 52.131 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
184	31.2	24.4	36.6
145	30.2	24.2	36.4



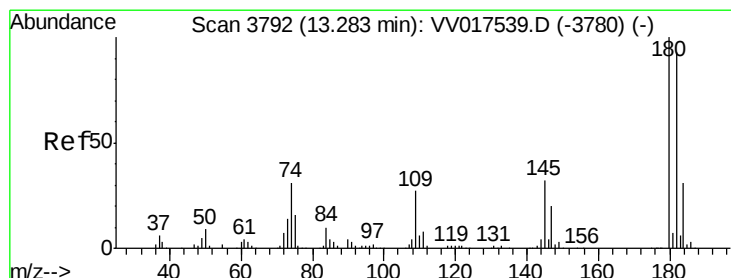
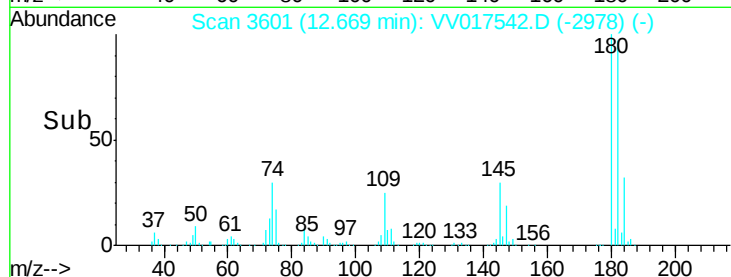
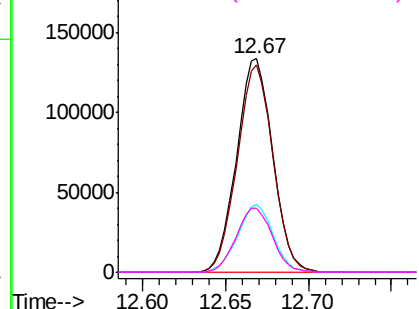
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

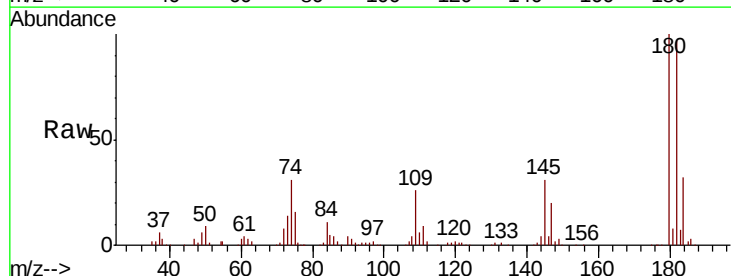
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.597 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017542.D
 Acq: 20 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.0	114.0
145	30.8	24.9	37.3

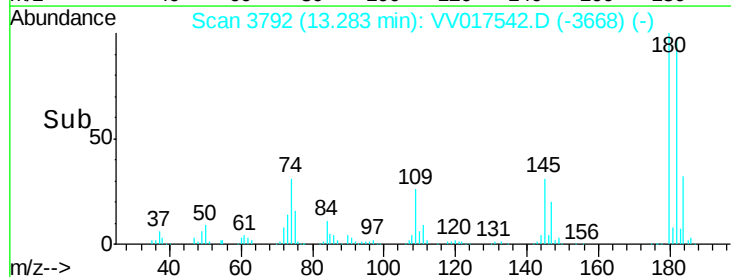
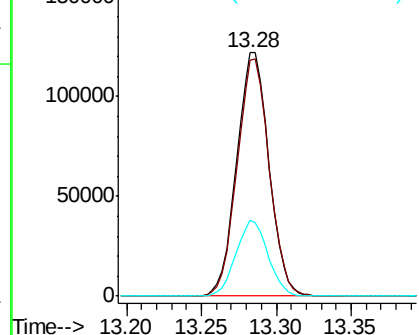


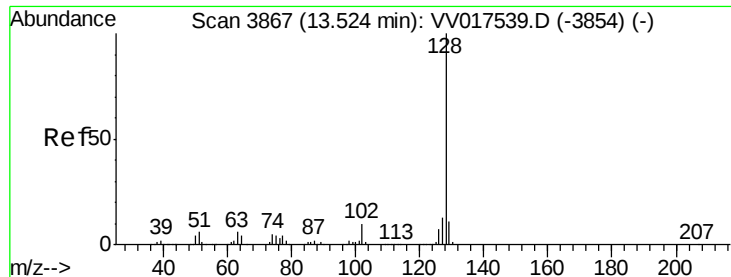
Abundance

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: 54.530 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

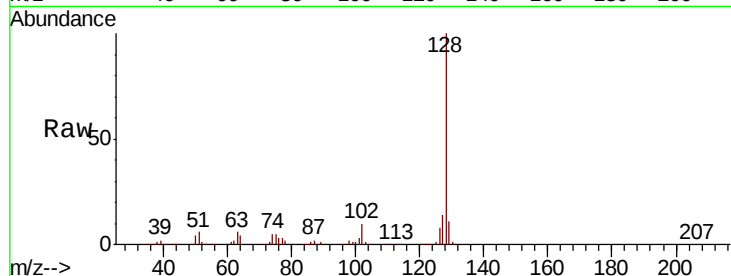
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 535490

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.6	9.0	13.6

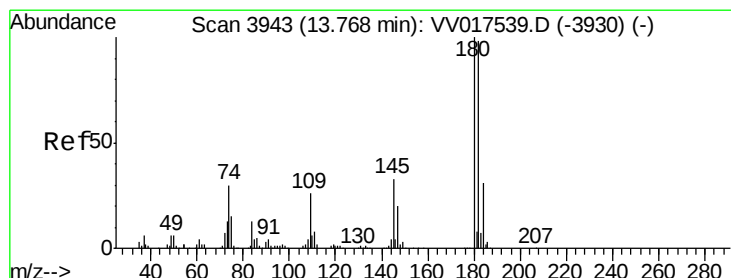
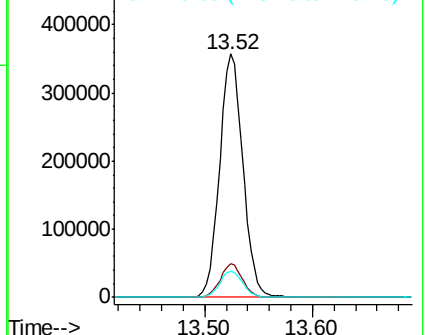
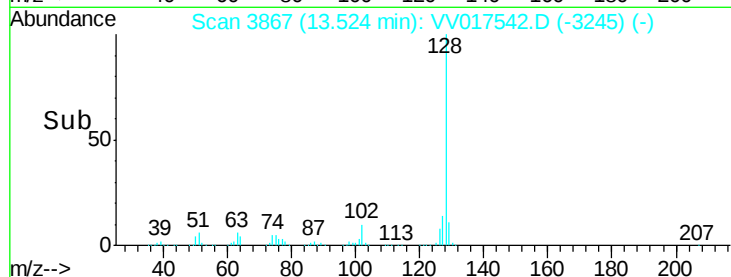


Abundance

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: 53.474 ug/L

RT: 13.77 min Scan# 3943

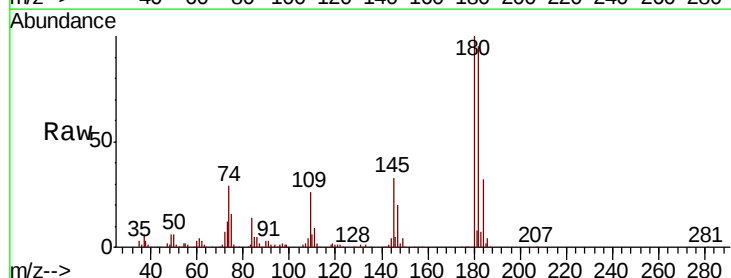
Delta R.T. -0.00 min

Lab File: VV017542.D

Acq: 20 Jul 2020 13:47

Tgt Ion:180 Resp: 185595

Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
145	33.0	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

