

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082620\
 Data File : VV018104.D
 Acq On : 26 Aug 2020 16:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Aug 27 02:02:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 27 02:00:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	271333	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	272675	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91907	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.78%
7) Chloroethane-d5	1.58	69	83301	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.36%
11) 1,1-Dichloroethene-d2	2.13	63	190020	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
21) 2-Butanone-d5	3.91	46	128411	94.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.70%
24) Chloroform-d	4.38	84	186568	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
26) 1,2-Dichloroethane-d4	5.06	65	121645	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
32) Benzene-d6	5.07	84	364425	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
36) 1,2-Dichloropropane-d6	6.09	67	116954	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.34	98	337405	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	7.64	79	57883	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.90%
47) 2-Hexanone-d5	8.11	63	74977	95.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.10%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	154041	48.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	142423	48.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93066	44.427	ug/L 100
3) Chloromethane	1.25	50	107278	44.086	ug/L 100
5) Vinyl chloride	1.32	62	111900	46.413	ug/L 98
6) Bromomethane	1.53	94	68067	47.237	ug/L 100
8) Chloroethane	1.60	64	74535	48.436	ug/L 100
9) Trichlorofluoromethane	1.77	101	162508	47.187	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95414	49.618	ug/L 97
12) 1,1-Dichloroethene	2.14	96	88909	48.849	ug/L 93
13) Acetone	2.19	43	142415	101.688	ug/L 97
14) Carbon disulfide	2.31	76	232480	46.408	ug/L 99
15) Methyl Acetate	2.45	43	105732	46.781	ug/L 100
16) Methylene chloride	2.52	84	109840	47.370	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	92954	49.683	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	313475	50.662	ug/L 100
19) 1,1-Dichloroethane	3.21	63	188344	50.065	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	104789	50.967	ug/L 100
22) 2-Butanone	3.99	43	163508	104.069	ug/L 99

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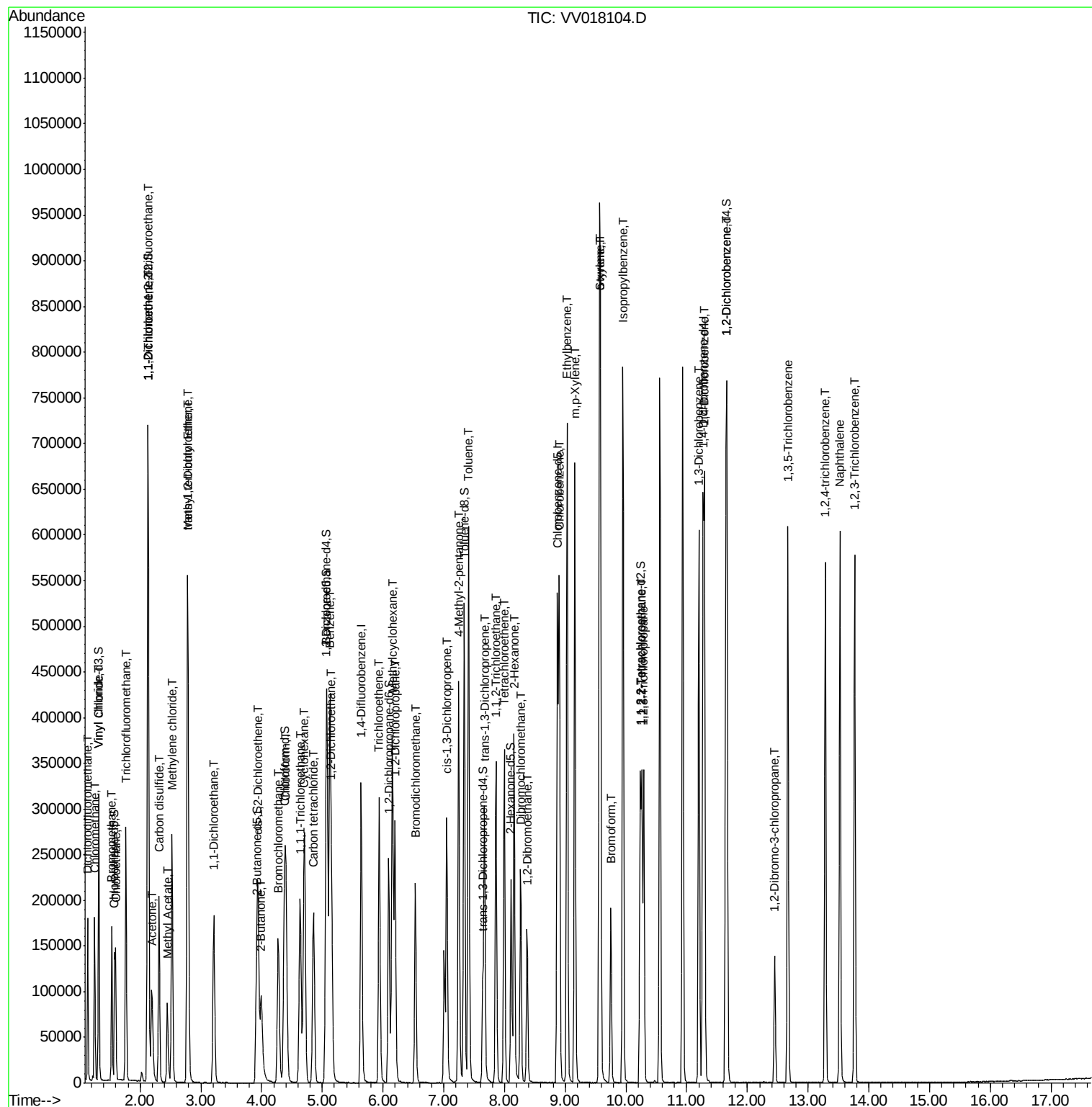
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55625	51.790	uq/L	95
25) Chloroform	4.40	83	195529	50.957	uq/L	100
27) 1,2-Dichloroethane	5.15	62	151592	49.634	uq/L	99
29) Cyclohexane	4.70	56	151740	46.108	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	164737	49.301	uq/L	98
31) Carbon tetrachloride	4.86	117	140478	50.501	uq/L	100
33) Benzene	5.13	78	408486	48.421	uq/L	100
34) Trichloroethene	5.94	95	107574	48.241	uq/L	98
35) Methylcyclohexane	6.15	83	155550	46.912	uq/L	99
37) 1,2-Dichloropropane	6.20	63	112493	48.897	uq/L	100
38) Bromodichloromethane	6.53	83	146414	51.236	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	168235	51.583	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	285860	95.049	uq/L	99
42) Toluene	7.41	91	437666	49.718	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	167632	54.171	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	104958	49.263	uq/L	99
46) Tetrachloroethene	8.00	164	83158	50.849	uq/L	97
48) 2-Hexanone	8.16	43	234550	96.713	uq/L	99
49) Dibromochloromethane	8.27	129	117071	56.295	uq/L	96
50) 1,2-Dibromoethane	8.37	107	108692	49.308	uq/L	98
51) Chlorobenzene	8.90	112	283727	50.114	uq/L	99
52) Ethylbenzene	9.03	91	483638	50.388	uq/L	100
53) m,p-Xylene	9.16	106	182257	51.627	uq/L	99
54) o-xylene	9.56	106	177361	50.839	uq/L	97
55) Styrene	9.58	104	318774	53.357	uq/L	99
56) Isopropylbenzene	9.95	105	479015	52.047	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	160031	48.235	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	134996	47.512	uq/L	100
61) Bromoform	9.75	173	83701	58.880	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	236719	49.549	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	243366	49.587	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	241550	49.122	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34011	46.944	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	186842	51.483	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	171834	53.853	uq/L	100
69) Naphthalene	13.52	128	446819	50.806	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	172216	53.074	uq/L	99

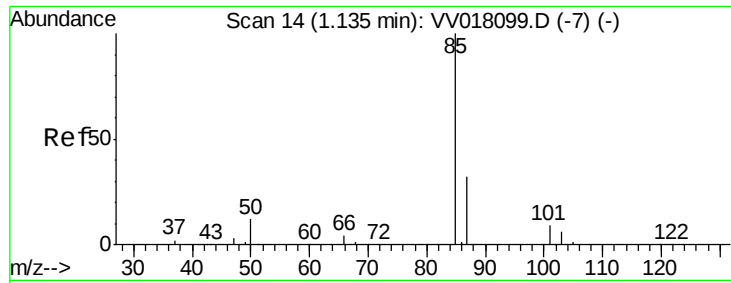
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.427 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

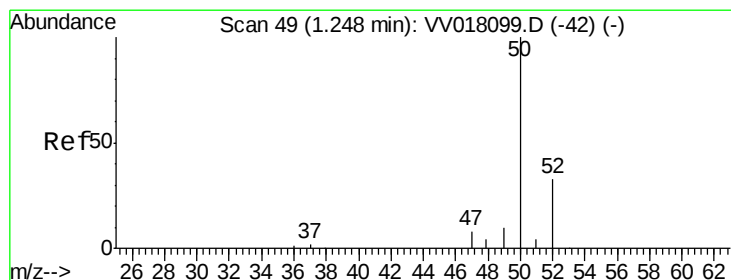
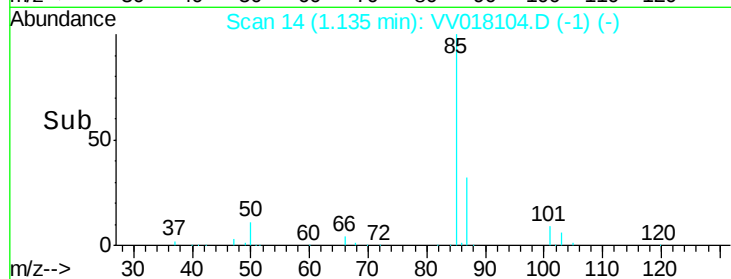
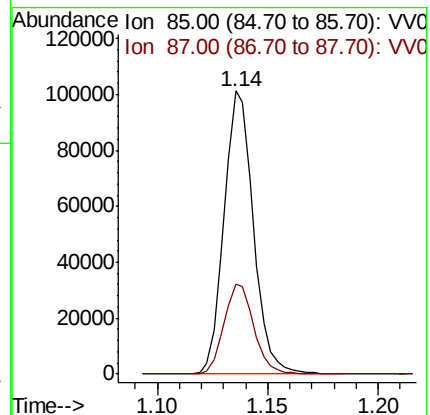
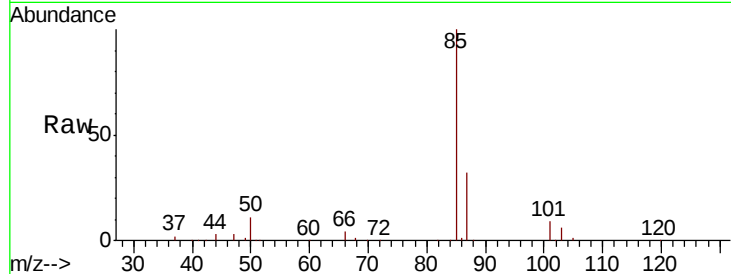
VSTD05086

Tot Ion: 85 Resp: 93066

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



#3

Chloromethane

Concen: 44.086 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018104.D

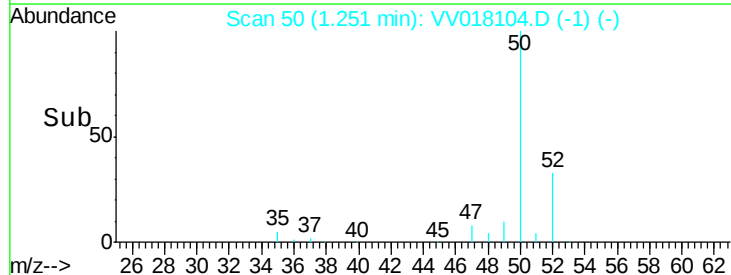
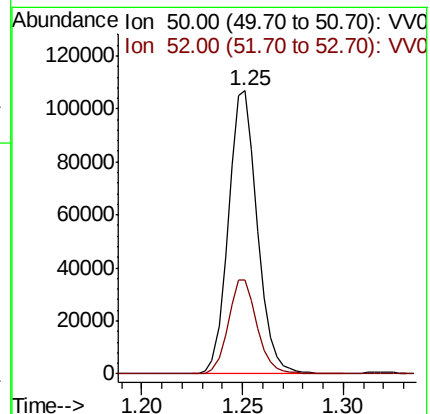
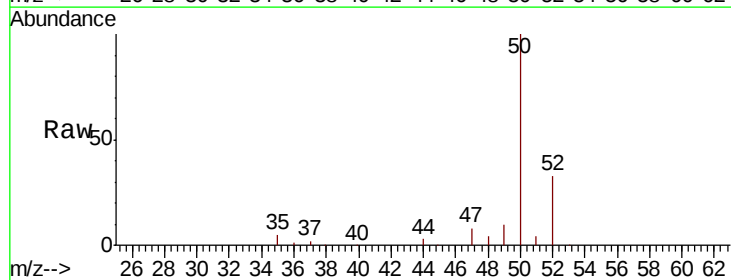
Acq: 26 Aug 2020 16:52

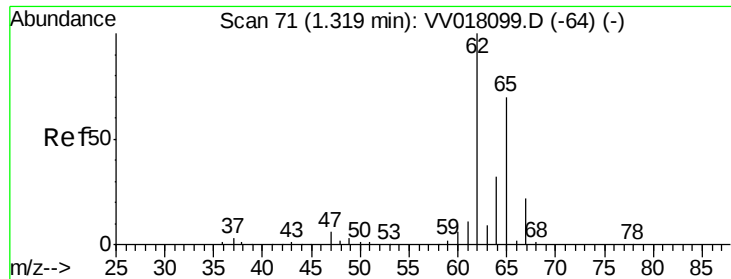
Tgt Ion: 50 Resp: 107278

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2





#5

Vinyl chloride

Concen: 46.413 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleID :

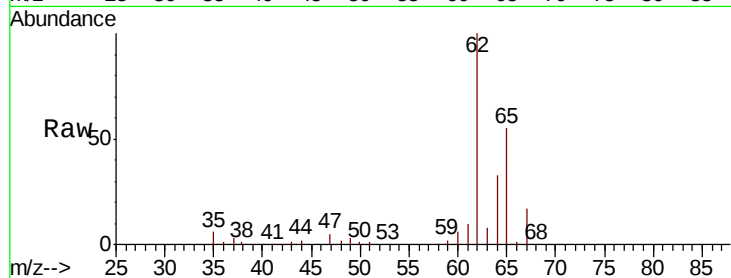
VSTD05086

Tot Ion: 62 Resp: 111900

Ion Ratio Lower Upper

62 100

64 32.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

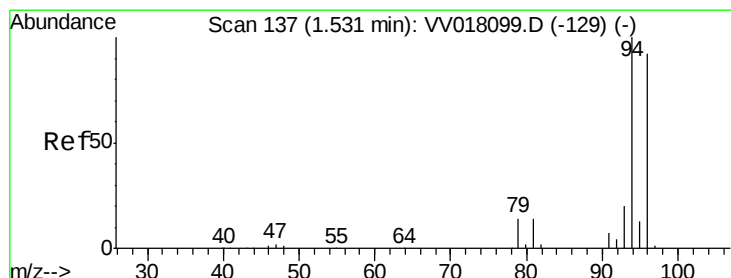
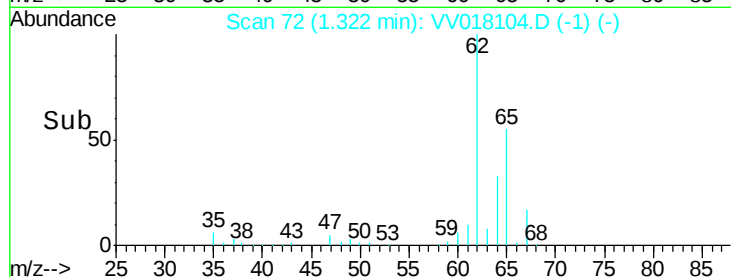
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 47.237 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018104.D

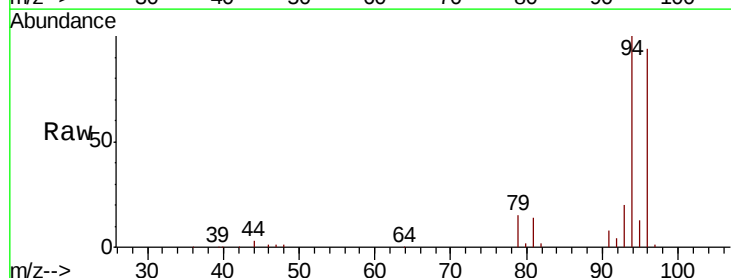
Acq: 26 Aug 2020 16:52

Tgt Ion: 94 Resp: 68067

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

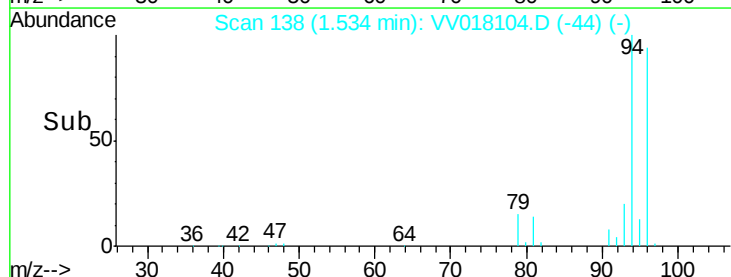
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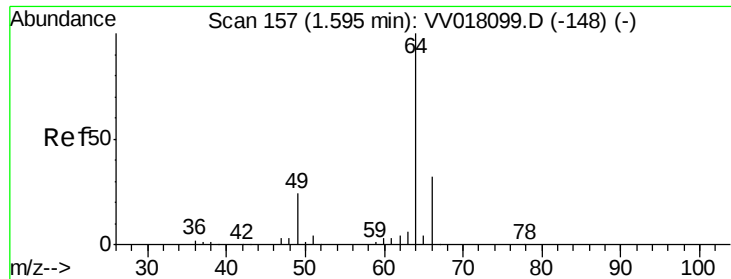
40000

20000

0

Time-->





#8

Chloroethane

Concen: 48.436 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

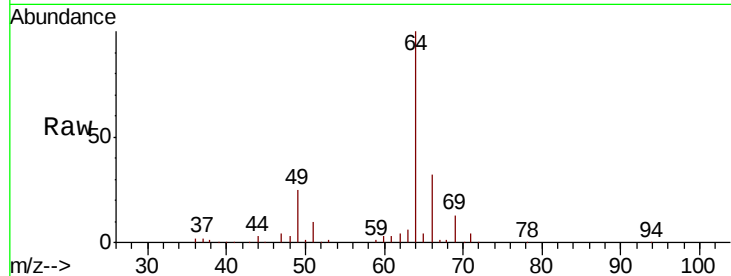
VSTD05086

Tot Ion: 64 Resp: 74535

Ion Ratio Lower Upper

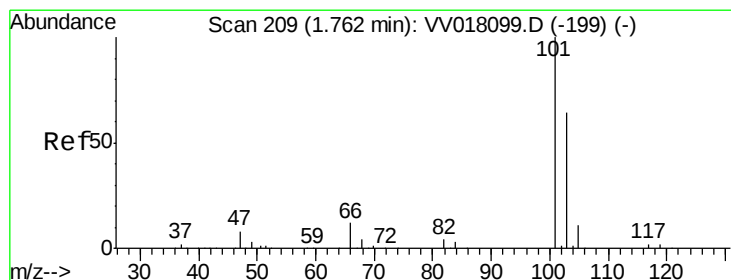
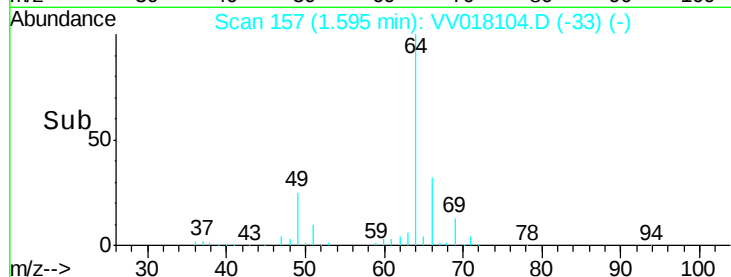
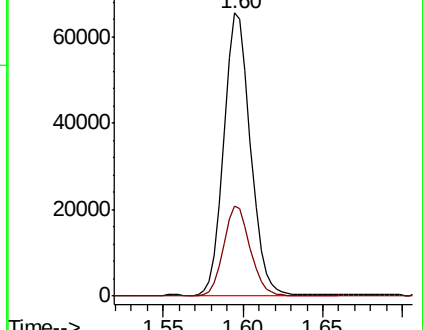
64 100

66 32.1 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018099.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018099.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 47.187 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018104.D

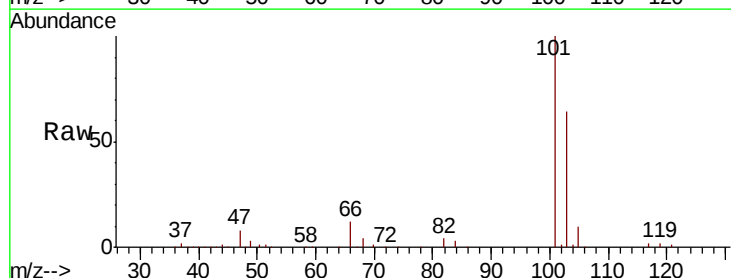
Acq: 26 Aug 2020 16:52

Tgt Ion:101 Resp: 162508

Ion Ratio Lower Upper

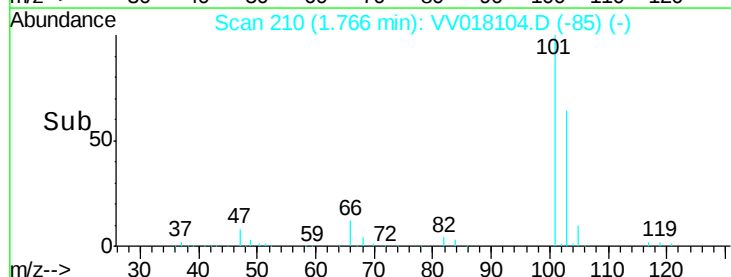
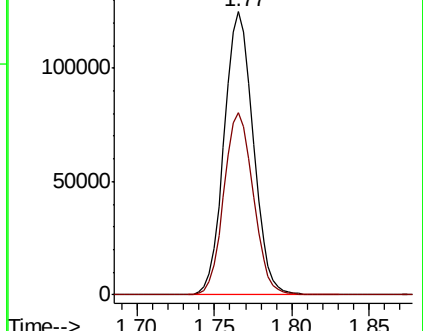
101 100

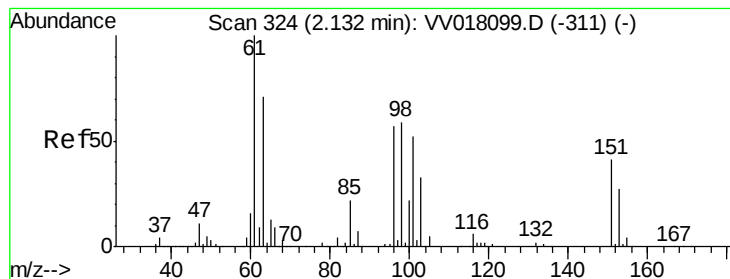
103 65.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018099.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018099.D (-199) (-)





#10

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

Concen: 49.618 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

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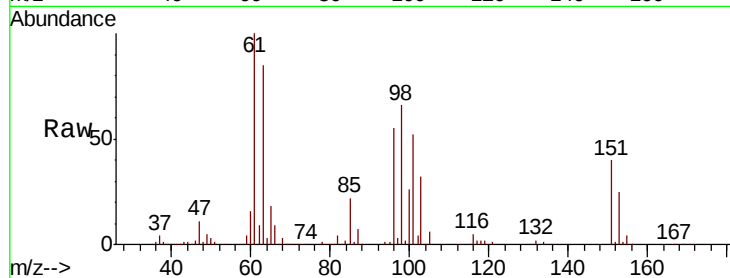
Tot Ion:101 Resp: 95414

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

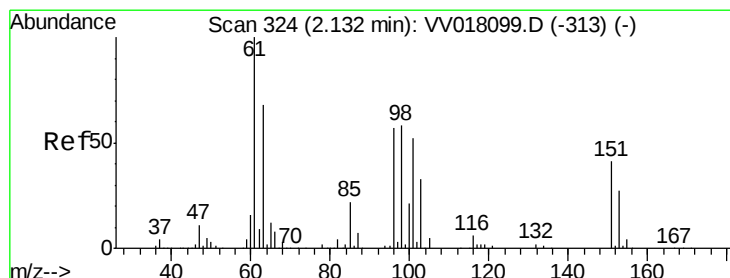
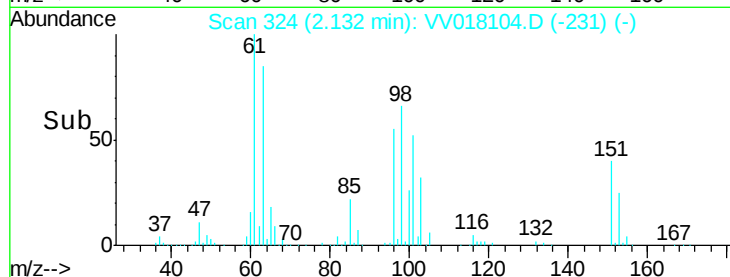
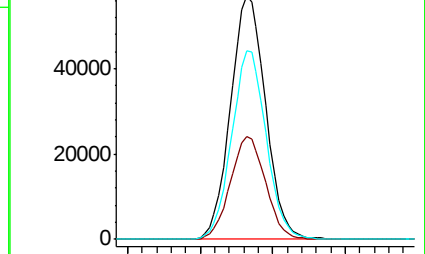
151 76.3 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018099.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018099.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018099.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 48.849 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

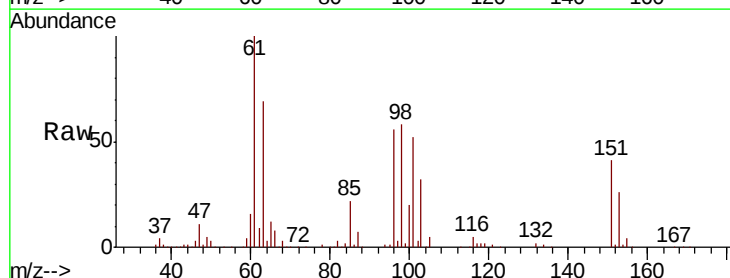
Tgt Ion: 96 Resp: 88909

Ion Ratio Lower Upper

96 100

61 177.2 127.1 236.0

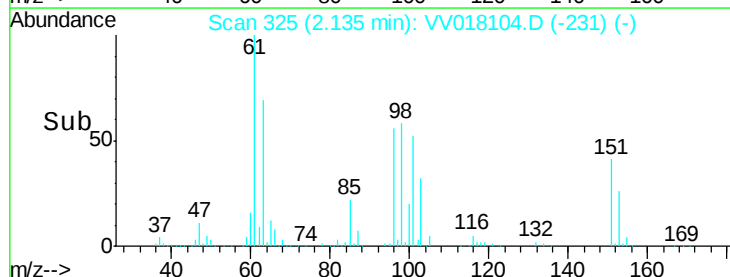
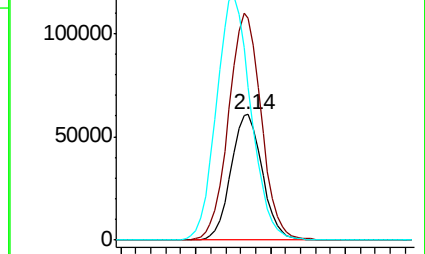
63 121.5 95.2 176.8

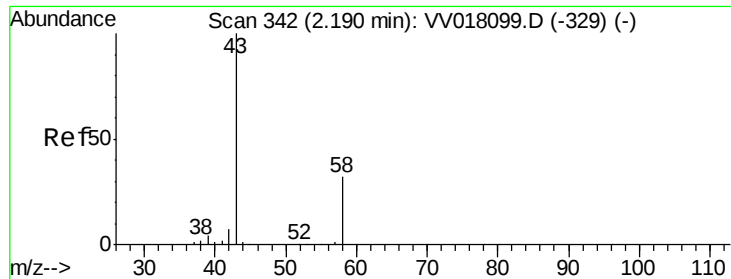


Abundance Ion 96.00 (95.70 to 96.70): VV018104.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018104.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018104.D (-231) (-)





#13

Acetone

Concen: 101.688 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

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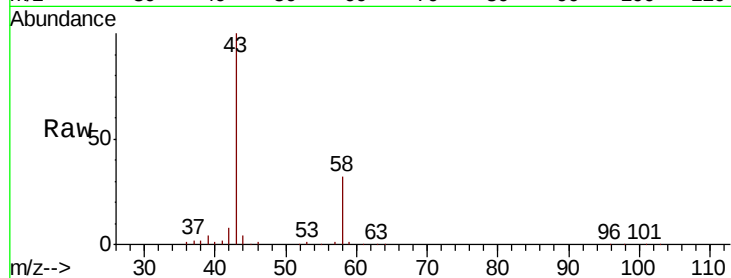
VSTD05086

Tot Ion: 43 Resp: 142415

Ion Ratio Lower Upper

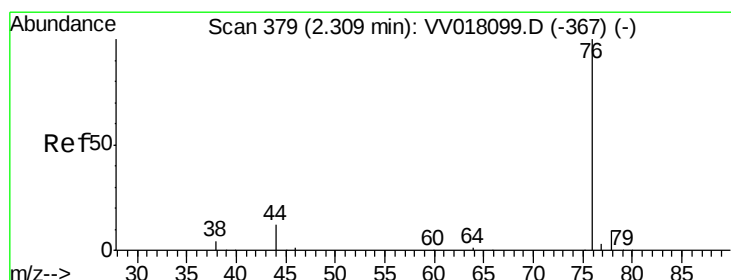
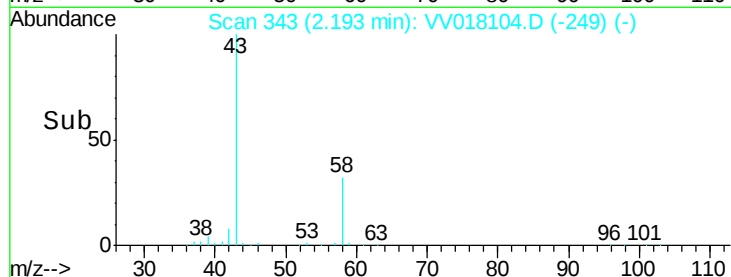
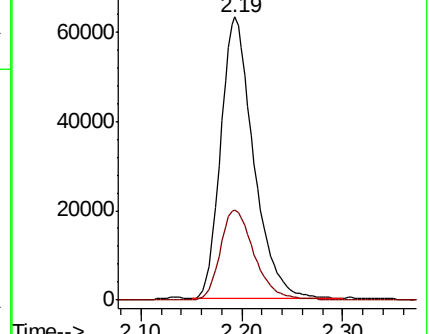
43 100

58 33.6 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018099.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018099.D (-329) (-)



#14

Carbon disulfide

Concen: 46.408 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018104.D

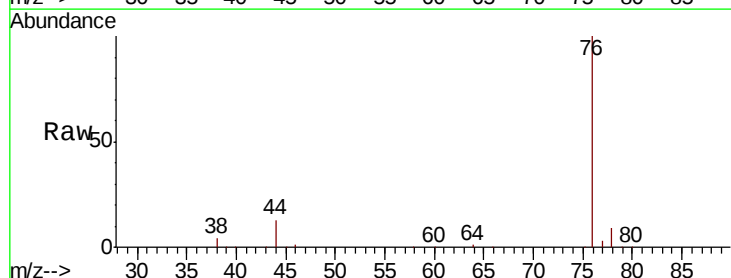
Acq: 26 Aug 2020 16:52

Tgt Ion: 76 Resp: 232480

Ion Ratio Lower Upper

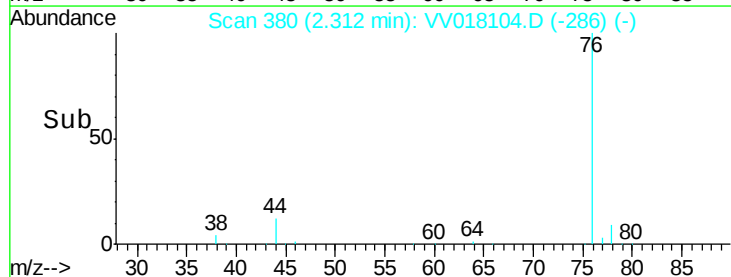
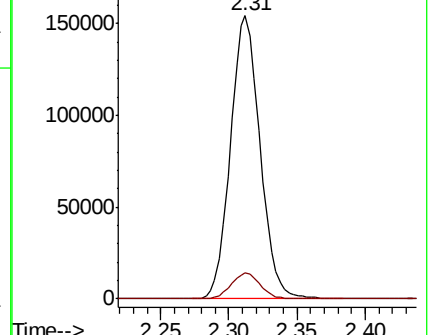
76 100

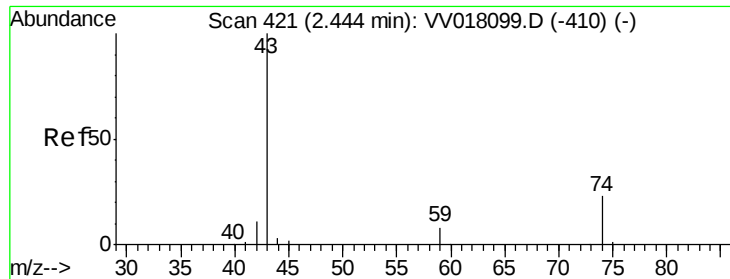
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018099.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018099.D (-367) (-)

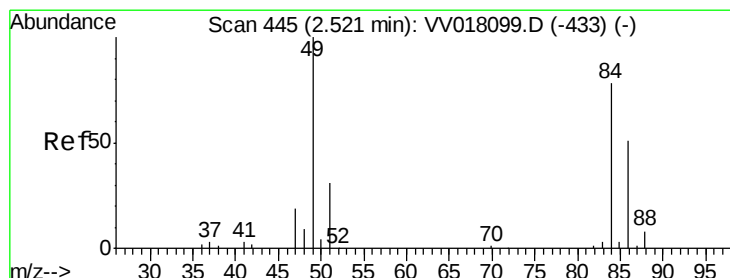
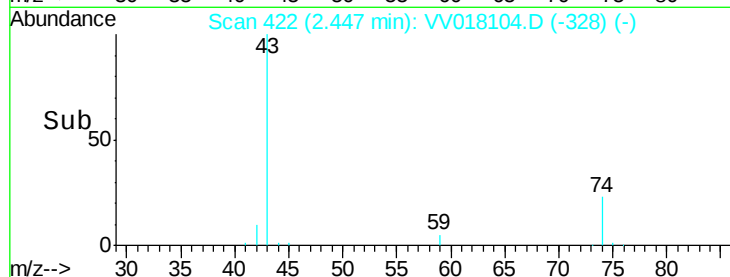
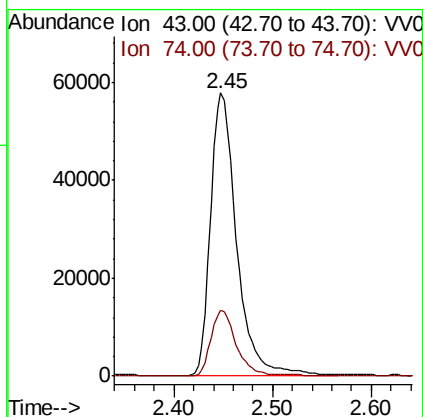
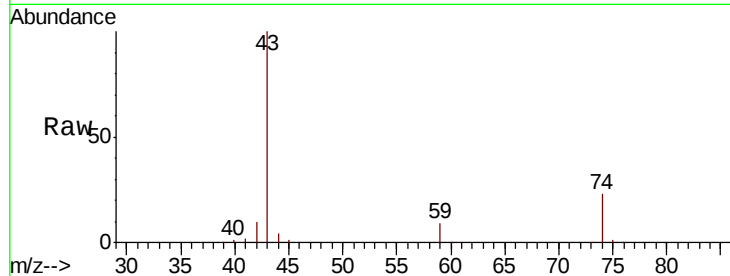




#15
Methyl Acetate
Concen: 46.781 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

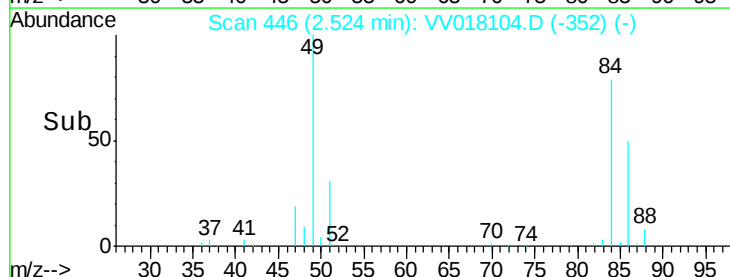
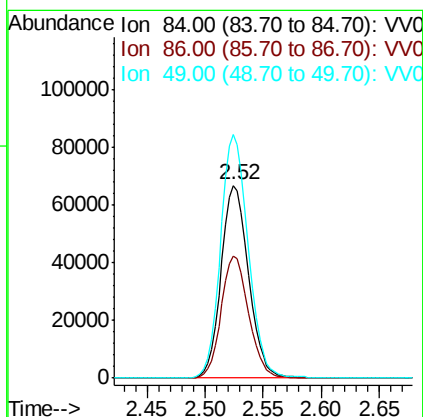
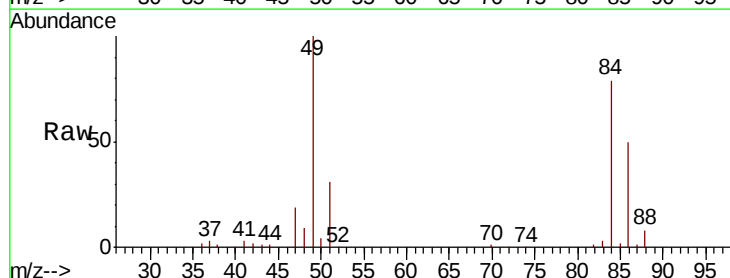
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

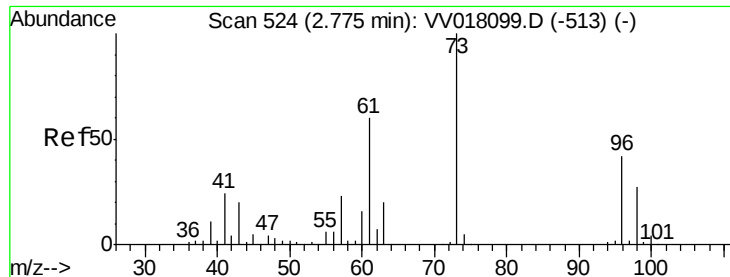
Tot Ion: 43 Resp: 105732
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 47.370 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Tgt Ion: 84 Resp: 109840
Ion Ratio Lower Upper
84 100
86 63.5 46.3 85.9
49 126.2 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 49.683 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

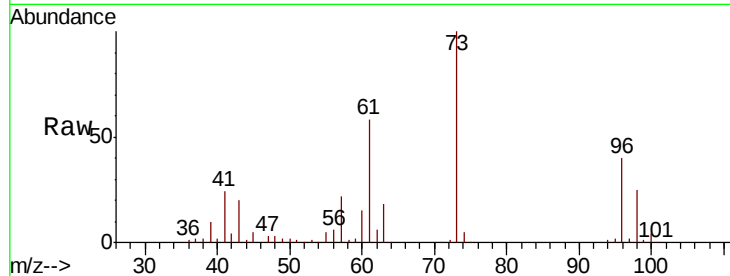
Tot Ion: 96 Resp: 92954

Ion Ratio Lower Upper

96 100

61 147.2 102.4 190.2

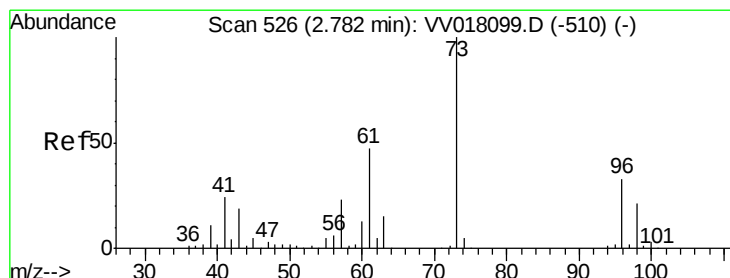
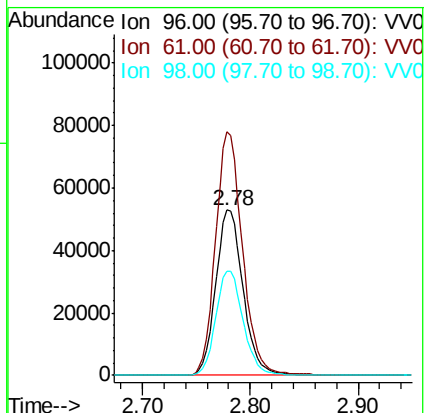
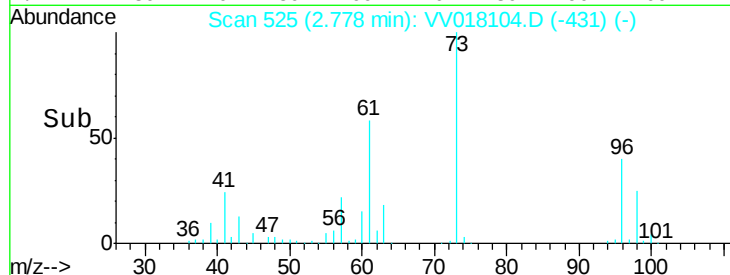
98 63.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV018104.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV018104.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV018104.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 50.662 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

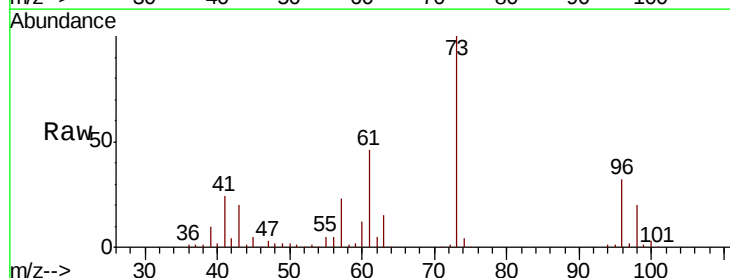
Tgt Ion: 73 Resp: 313475

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

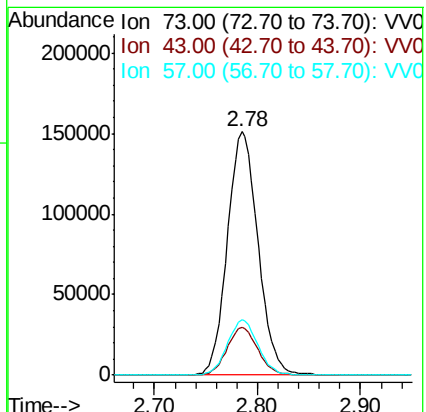
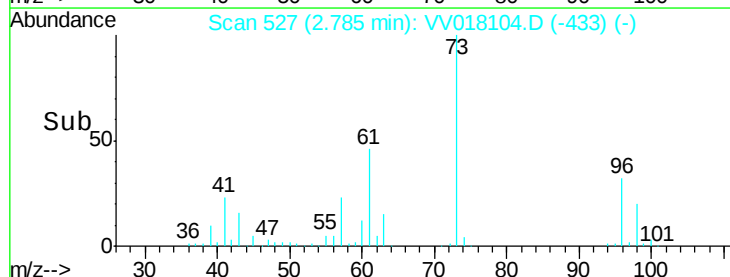
57 22.6 18.1 27.1

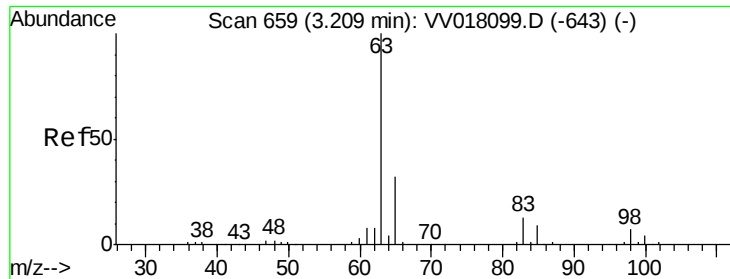


Abundance Ion 73.00 (72.70 to 73.70): VV018104.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV018104.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV018104.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 50.065 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

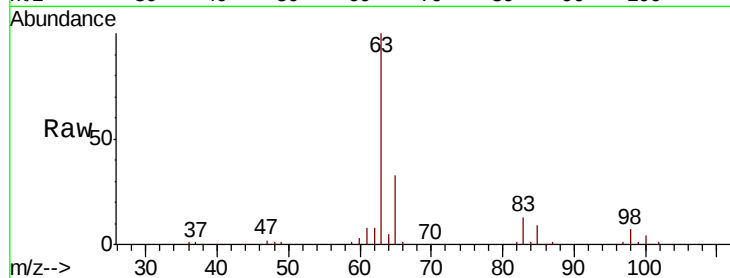
Tot Ion: 63 Resp: 188344

Ion Ratio Lower Upper

63 100

65 33.0 22.5 41.7

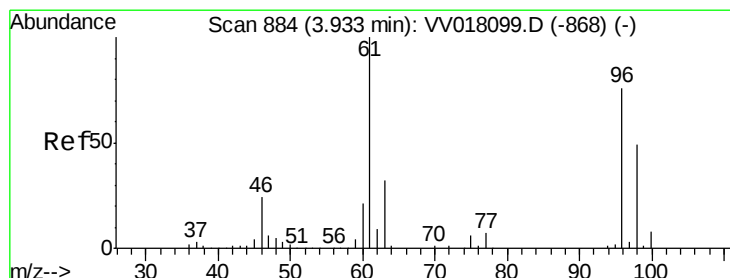
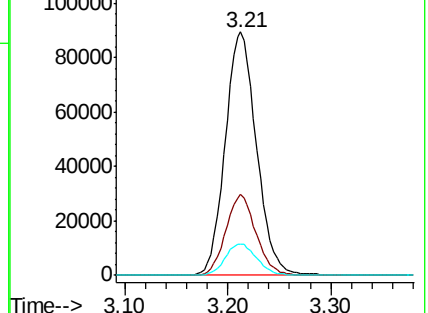
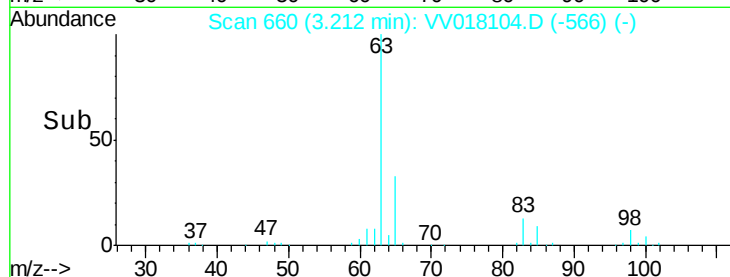
83 13.0 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018104.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV018104.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV018104.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.967 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

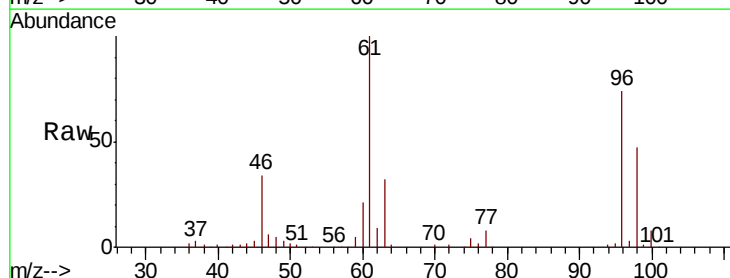
Tgt Ion: 96 Resp: 104789

Ion Ratio Lower Upper

96 100

61 135.4 95.0 176.4

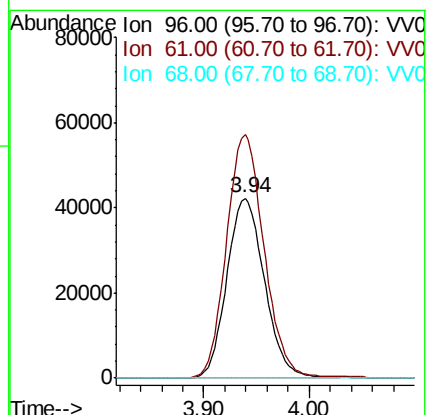
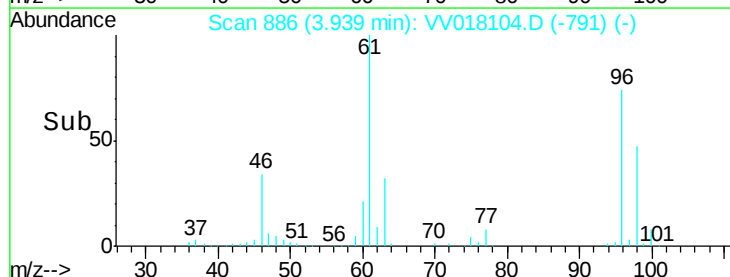
68 0.0 0.0 0.0

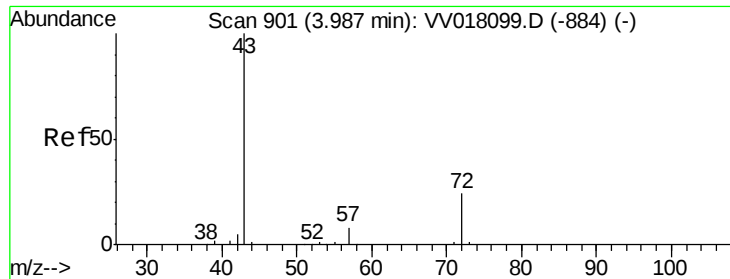


Abundance Ion 96.00 (95.70 to 96.70): VV018104.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV018104.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV018104.D (-791) (-)





#22

2-Butanone

Concen: 104.069 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

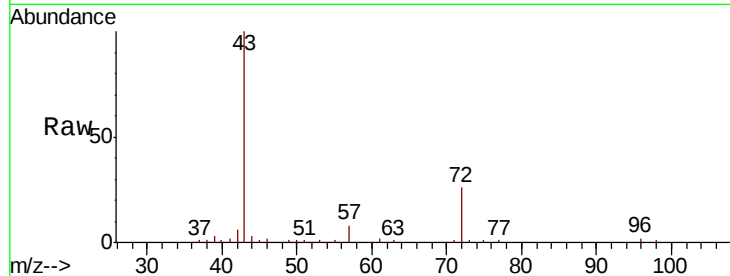
VSTD05086

Tot Ion: 43 Resp: 163508

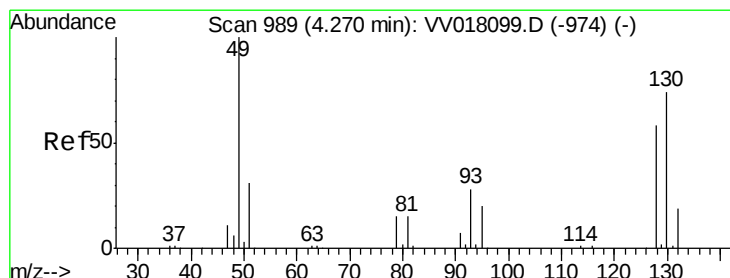
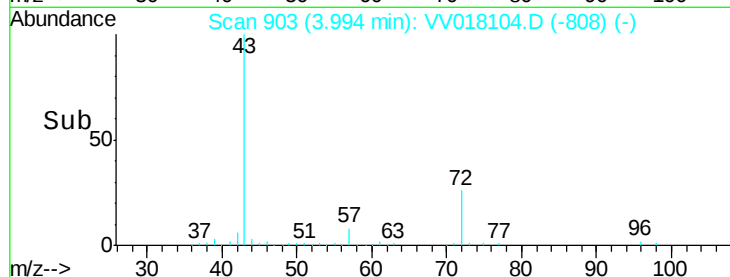
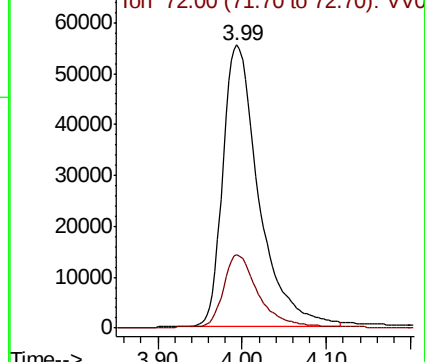
Ion Ratio Lower Upper

43 100

72 24.8 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018099.D (-884) (-)



#23

Bromochloromethane

Concen: 51.790 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Tgt Ion: 128 Resp: 55625

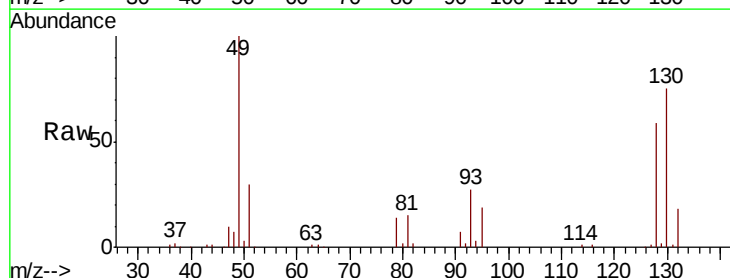
Ion Ratio Lower Upper

128 100

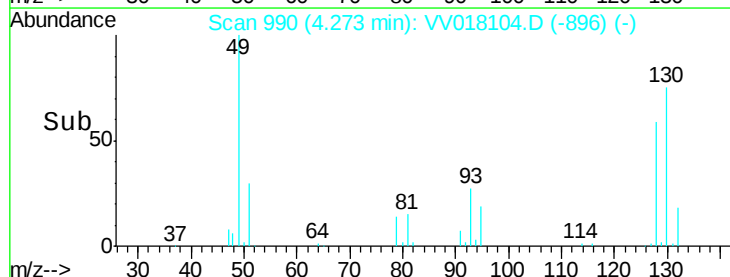
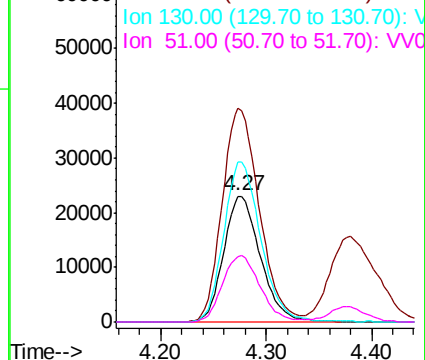
49 169.8 125.6 233.3

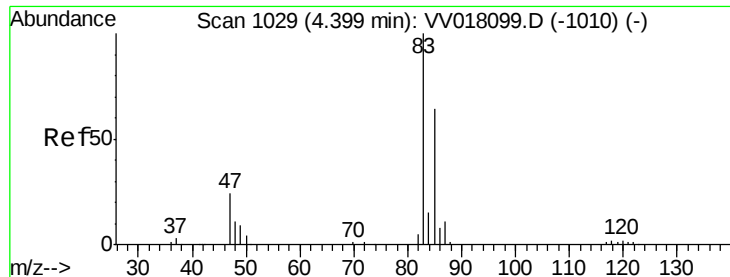
130 126.8 89.9 167.0

51 51.7 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018099.D (-974) (-)

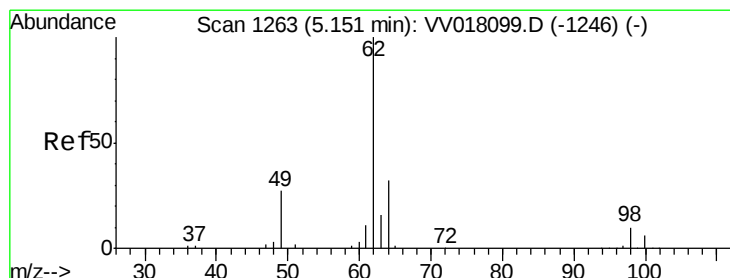
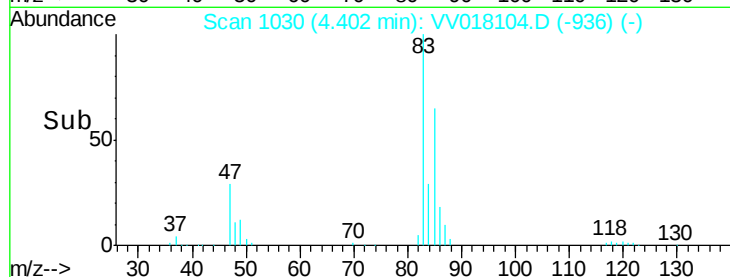
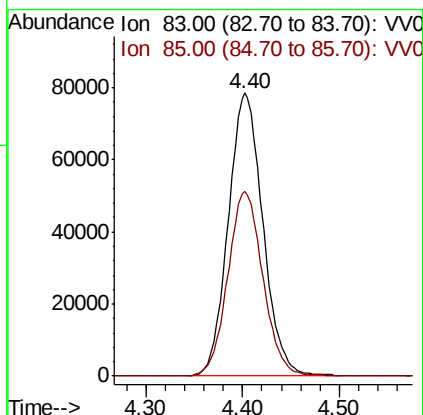
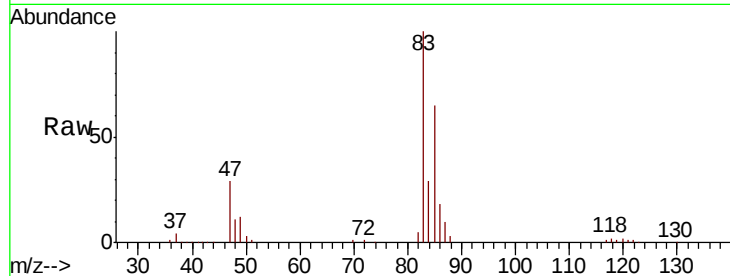




#25
Chloroform
Concen: 50.957 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

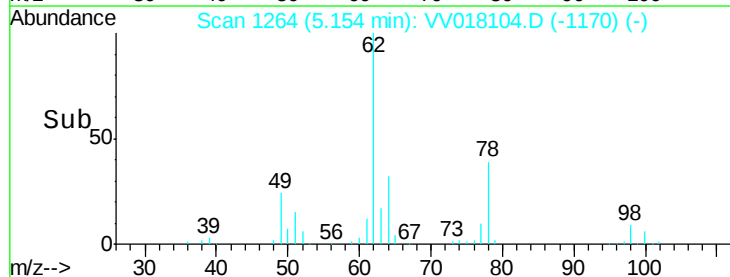
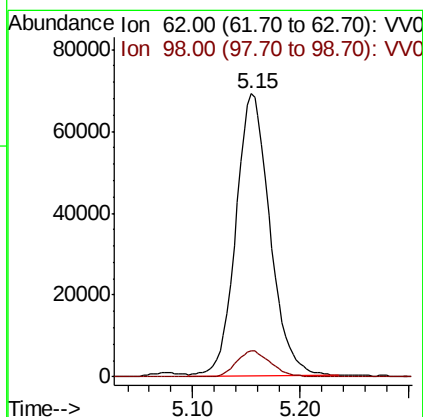
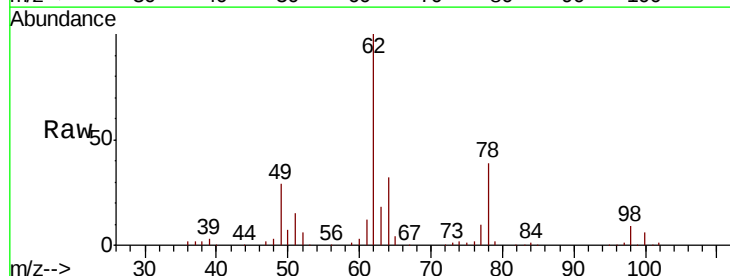
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

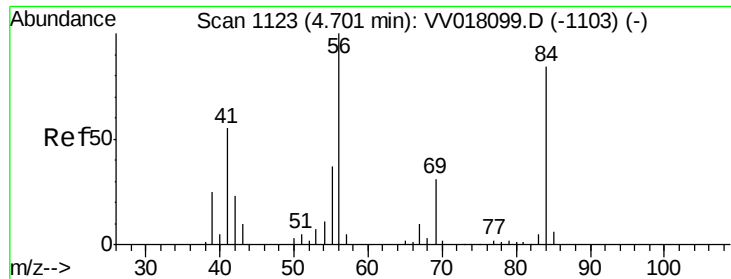
Tot Ion: 83 Resp: 195529
Ion Ratio Lower Upper
83 100
85 65.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.634 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Tgt Ion: 62 Resp: 151592
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

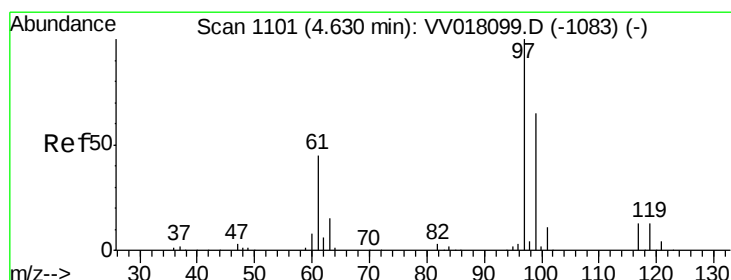
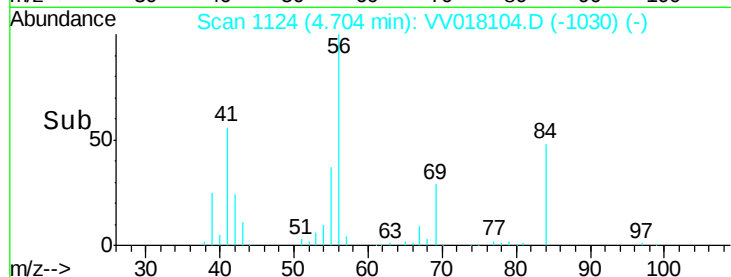
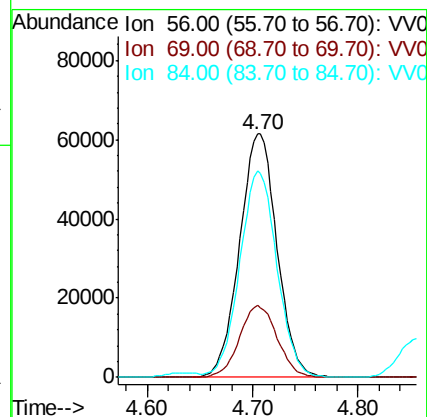
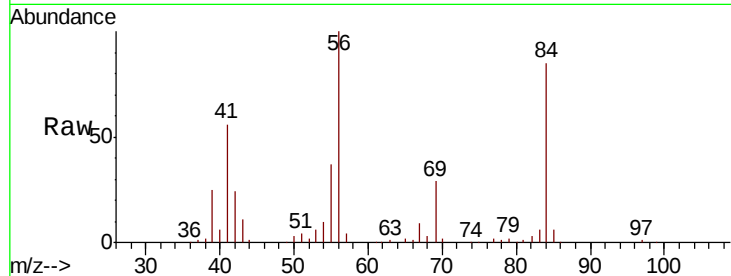




#29
Cyclohexane
Concen: 46.108 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

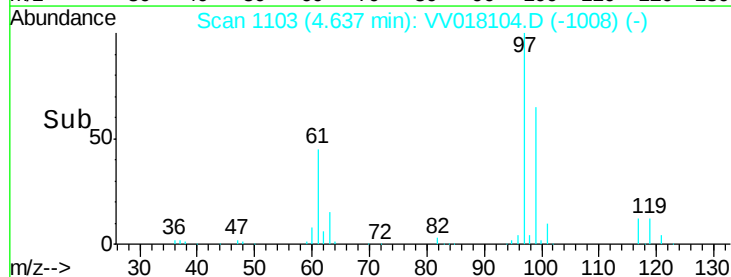
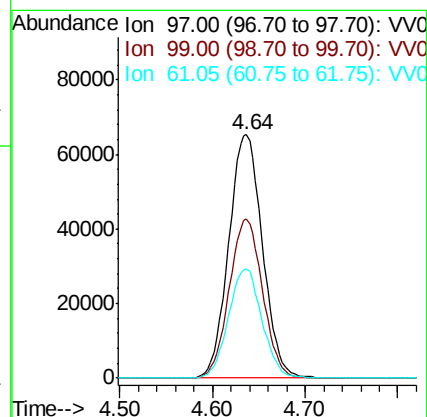
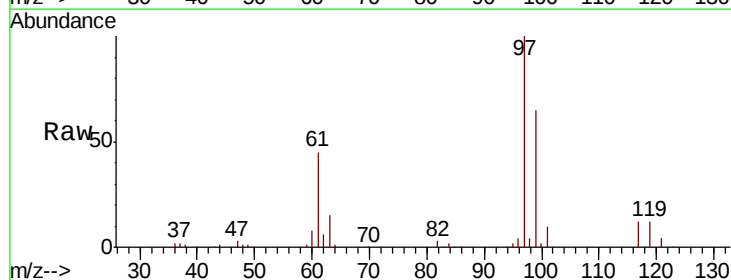
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

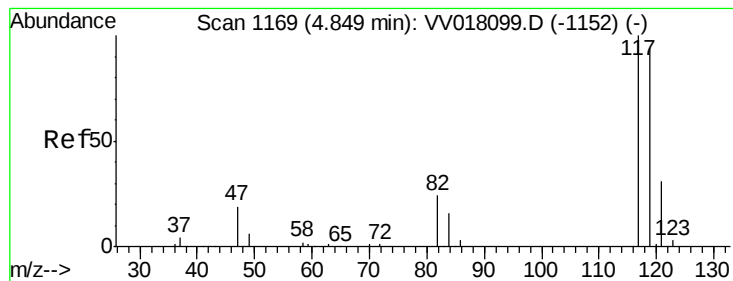
Tot Ion: 56 Resp: 151740
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.8
84 84.5 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 49.301 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Tgt Ion: 97 Resp: 164737
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 44.7 37.0 55.6





#31

Carbon tetrachloride

Concen: 50.501 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

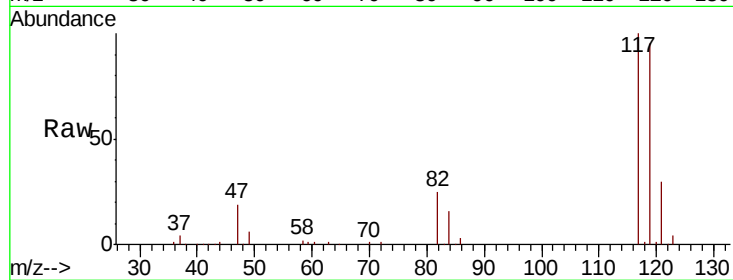
VSTD05086

Tot Ion:117 Resp: 140478

Ion Ratio Lower Upper

117 100

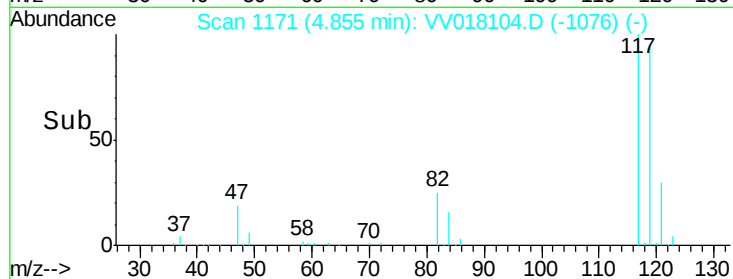
119 96.4 77.0 115.6



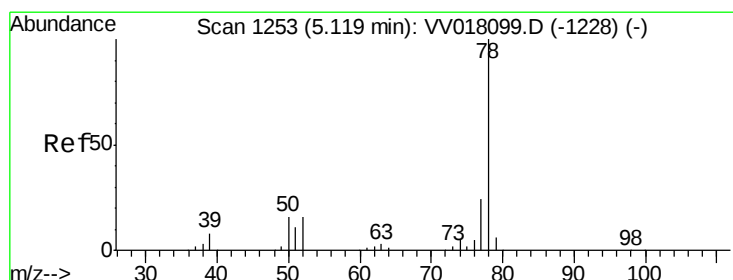
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86



Time-->



#33

Benzene

Concen: 48.421 ug/L

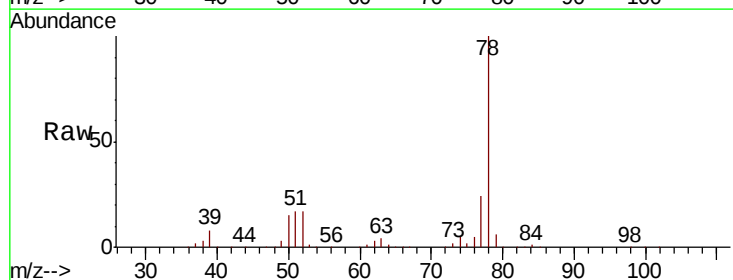
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VV018104.D

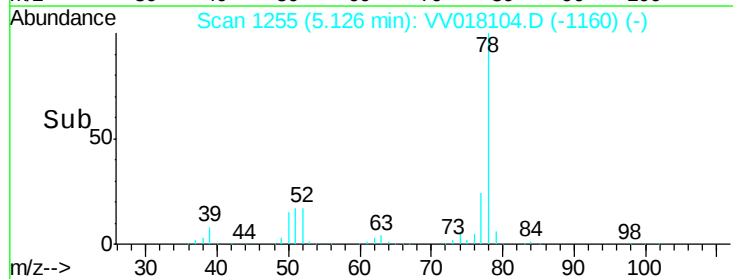
Acq: 26 Aug 2020 16:52

Tgt Ion: 78 Resp: 408486

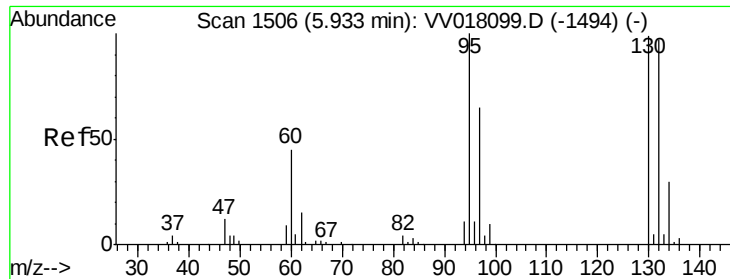


Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13



Time-->



#34

Trichloroethene

Concen: 48.241 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tot Ion: 95 Resp: 107574

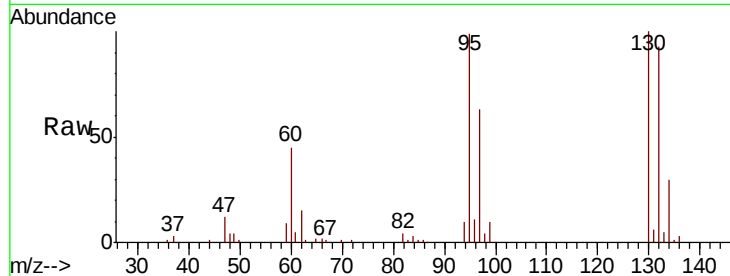
Ion Ratio Lower Upper

95 100

97 63.5 46.0 85.4

132 94.6 65.8 122.2

130 101.3 69.2 128.6

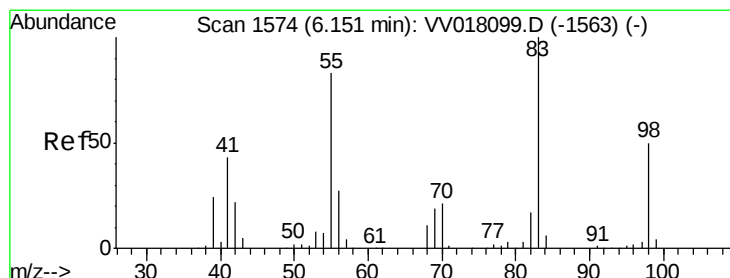
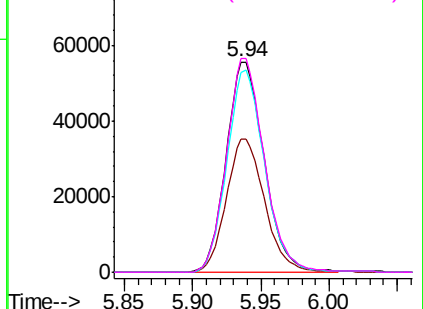
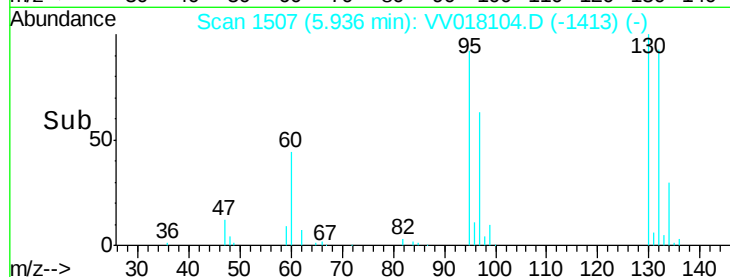


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 46.912 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

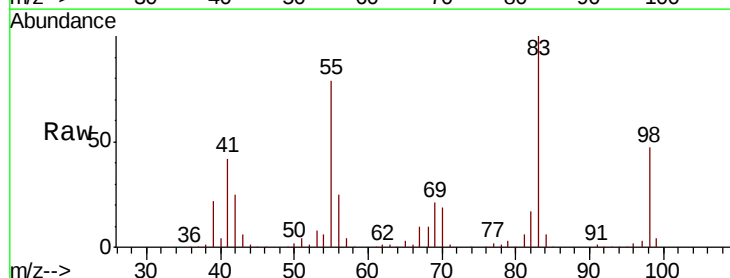
Tgt Ion: 83 Resp: 155550

Ion Ratio Lower Upper

83 100

55 79.6 64.9 97.3

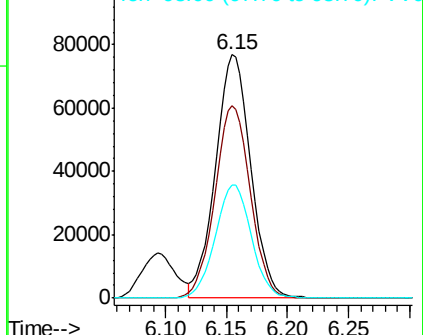
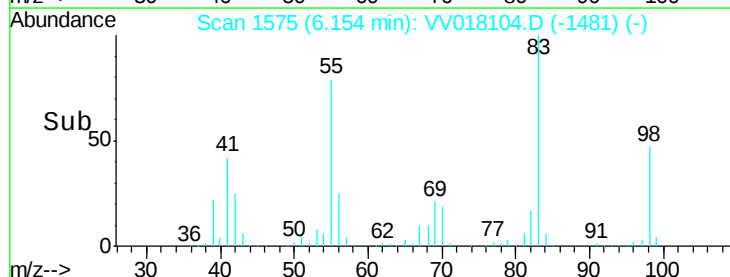
98 47.6 38.7 58.1

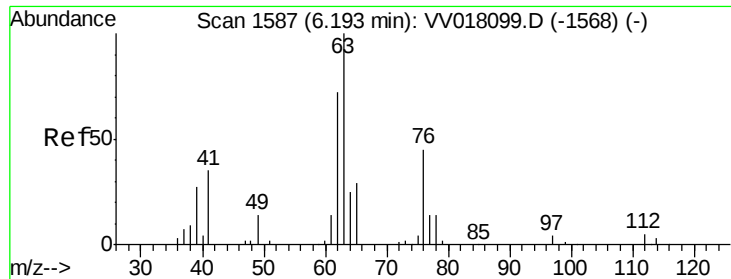


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

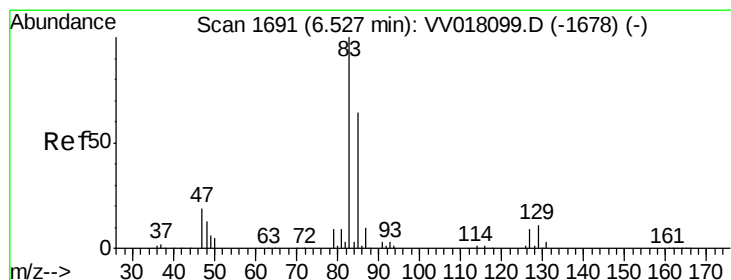
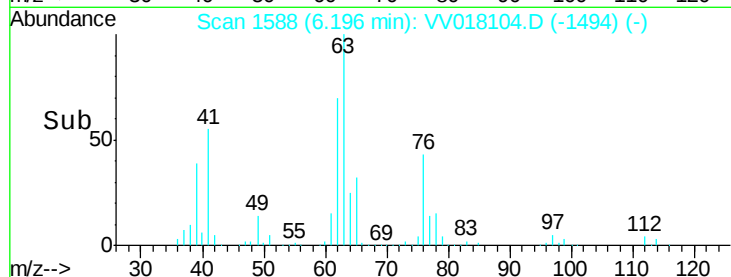
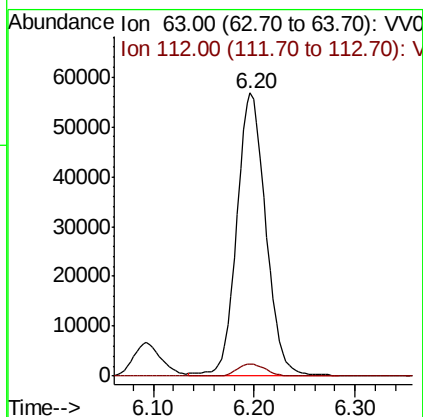
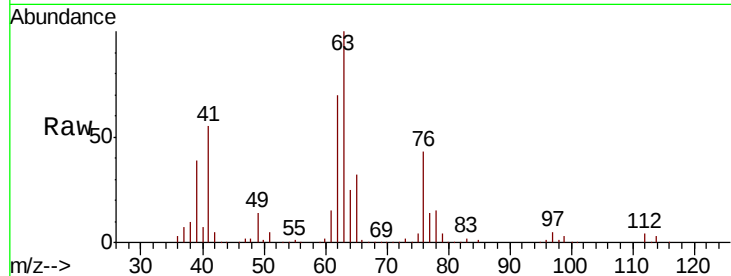




#37
 1,2-Dichloropropane
 Concen: 48.897 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

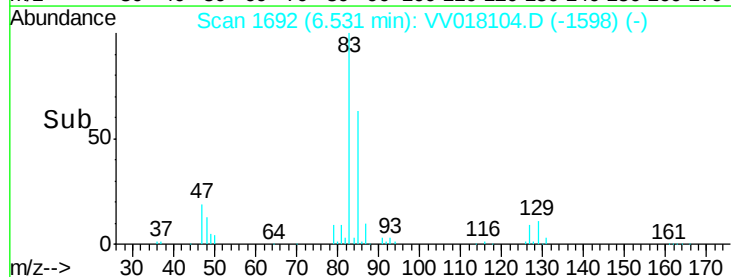
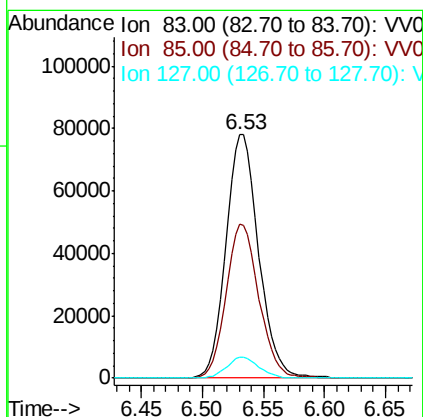
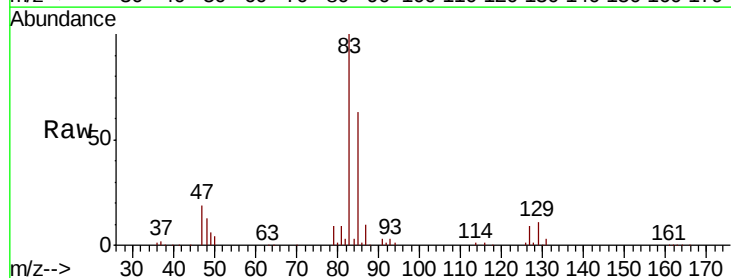
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

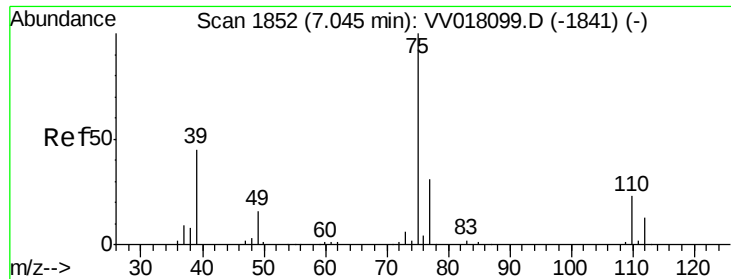
Tot Ion: 63 Resp: 112493
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 51.236 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion: 83 Resp: 146414
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.3 82.3
 127 8.6 6.5 9.7

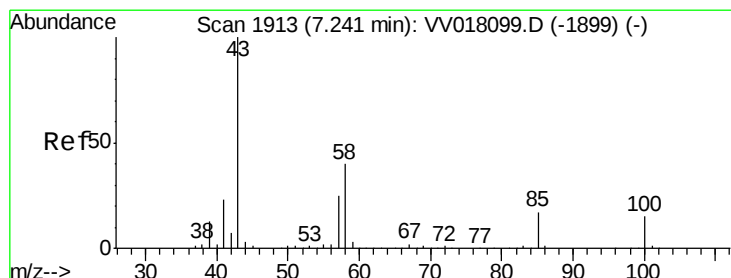
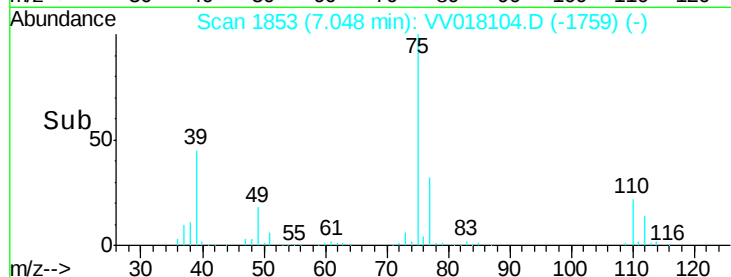
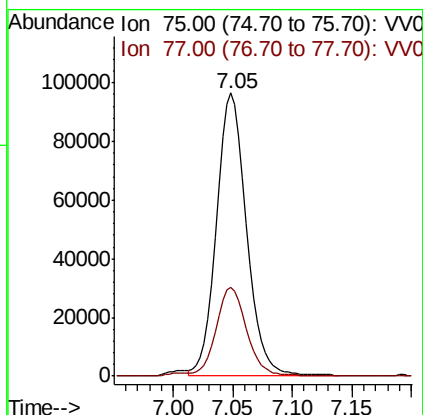
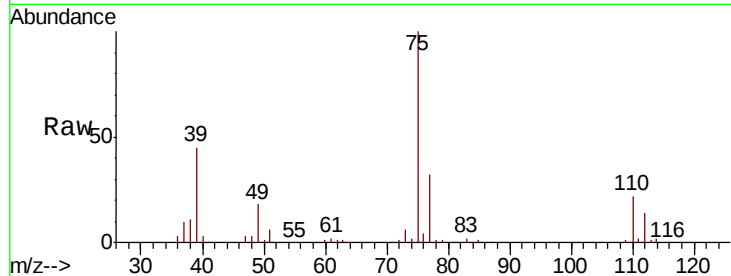




#39
 cis-1,3-Dichloropropene
 Concen: 51.583 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

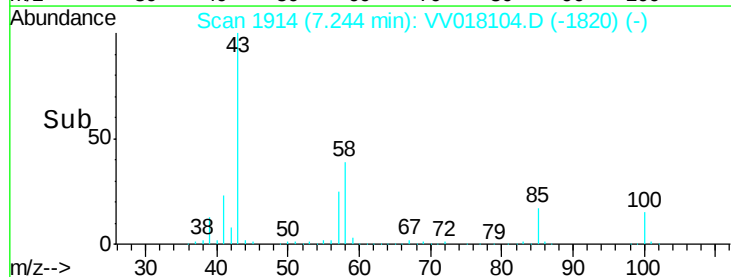
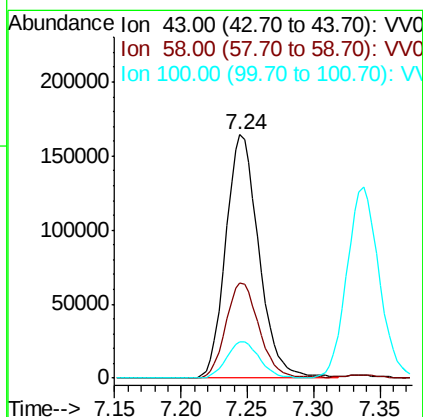
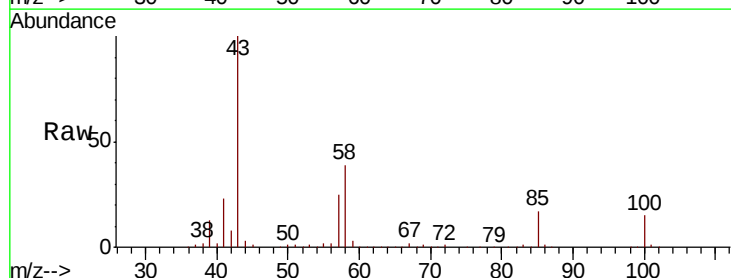
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

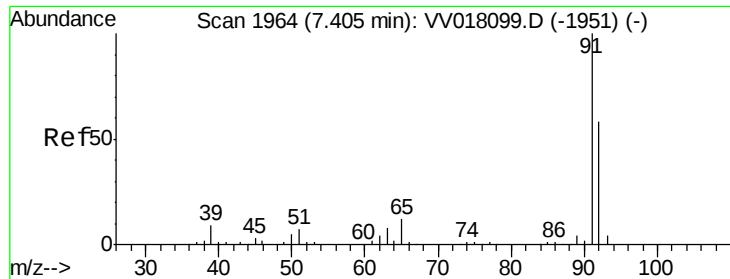
Tot Ion: 75 Resp: 168235
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 95.049 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion: 43 Resp: 285860
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.9 47.9
 100 15.1 12.2 18.2





#42

Toluene

Concen: 49.718 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

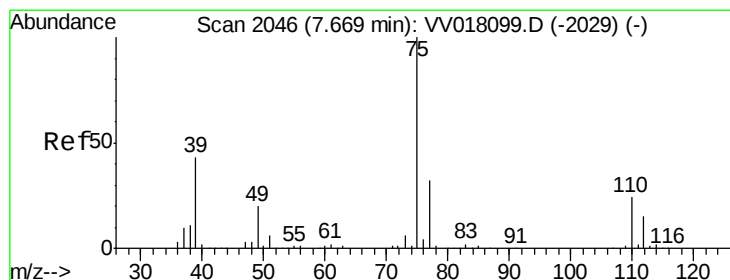
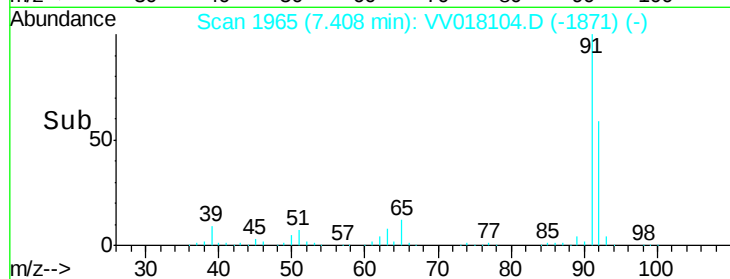
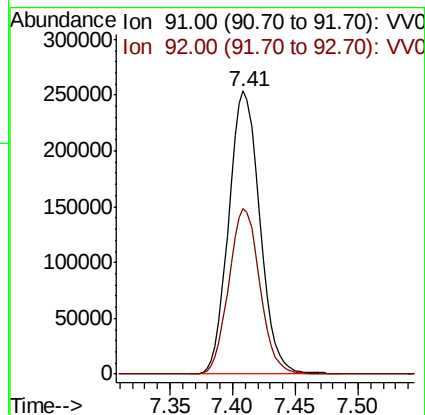
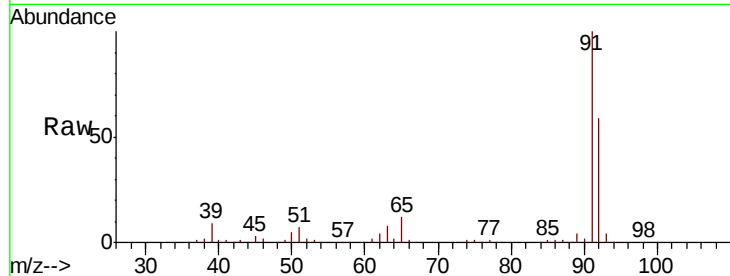
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion: 91 Resp: 437666

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 54.171 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018104.D

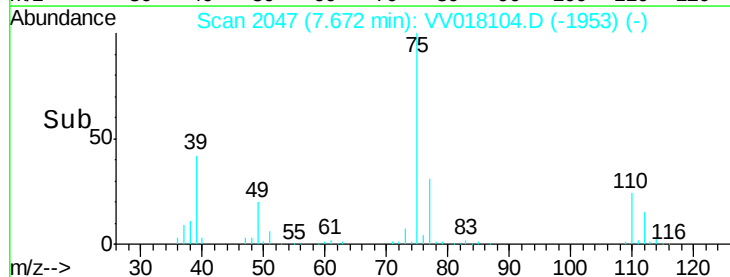
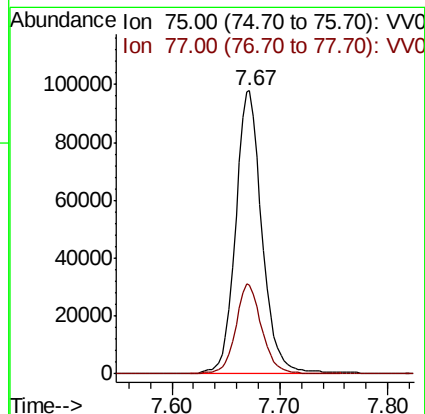
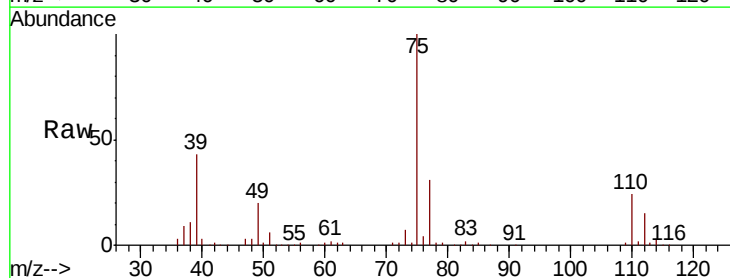
Acq: 26 Aug 2020 16:52

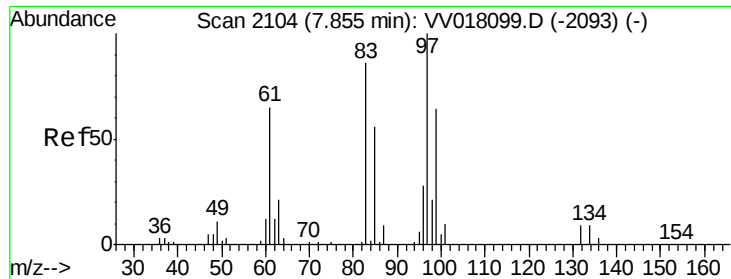
Tgt Ion: 75 Resp: 167632

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5

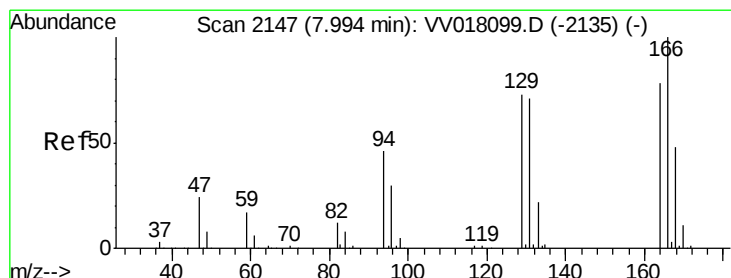
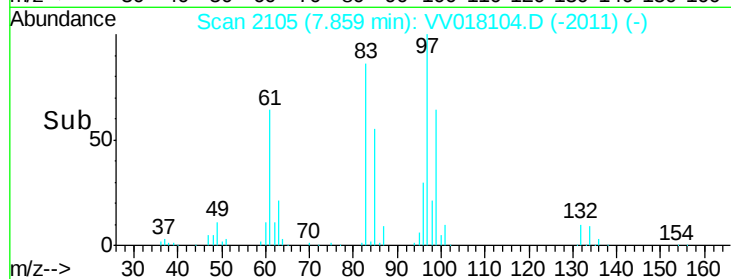
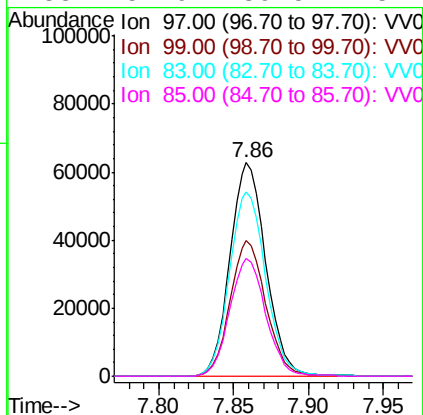
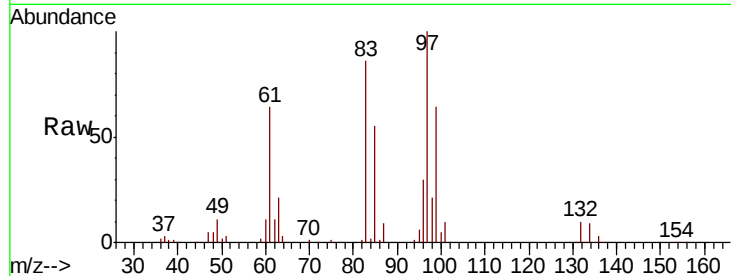




#45
 1,1,2-Trichloroethane
 Concen: 49.263 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

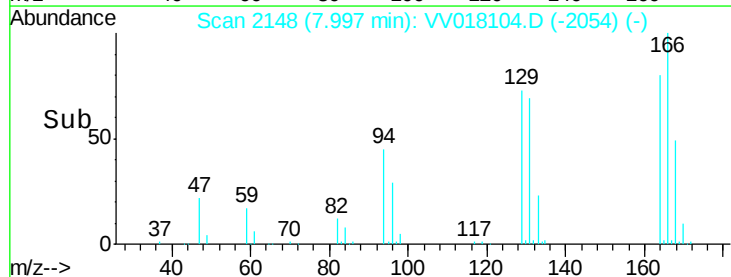
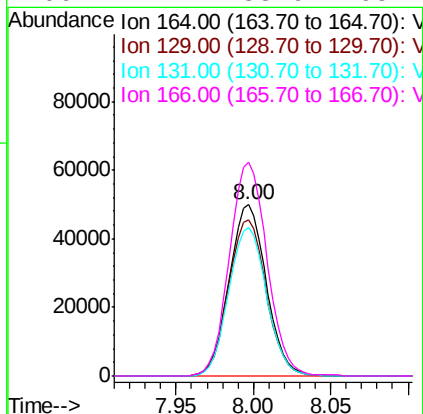
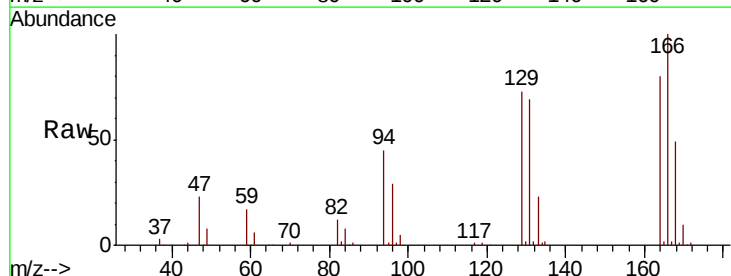
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

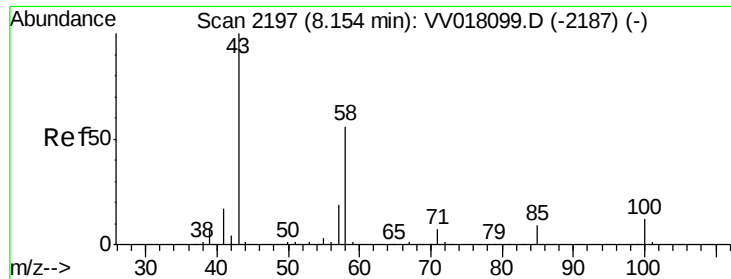
Tot Ion:	97	Resp:	104958
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.2	82.2
83	86.4	61.0	113.4
85	54.9	39.5	73.4



#46
 Tetrachloroethene
 Concen: 50.849 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion:	164	Resp:	83158
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.8	120.3
131	86.5	64.5	119.9
166	124.7	88.9	165.1

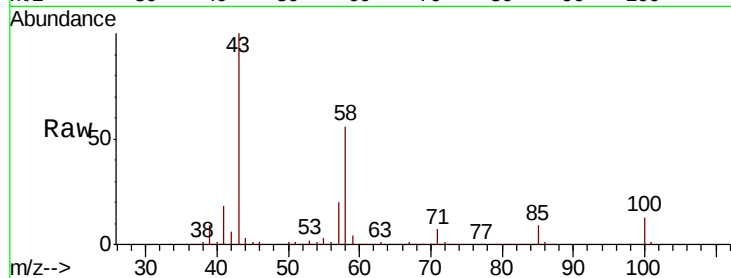




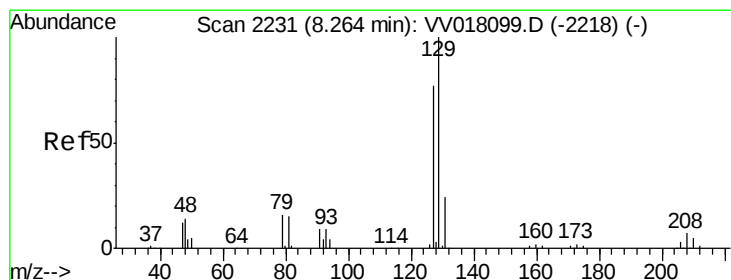
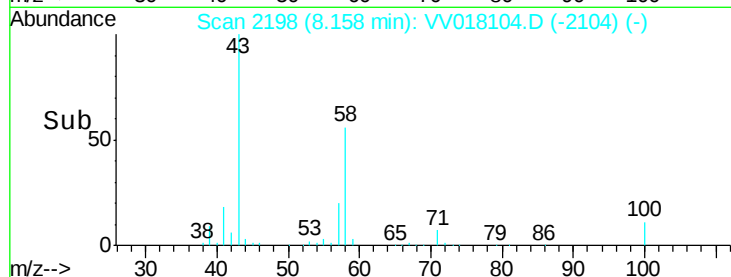
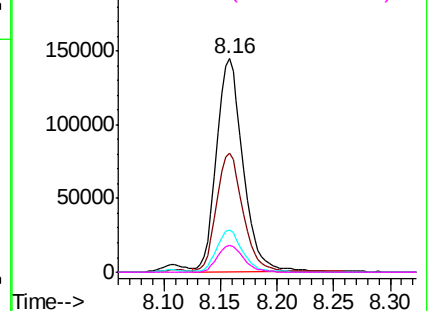
#48
2-Hexanone
Concen: 96.713 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion: 43 Resp: 234550
Ion Ratio Lower Upper
43 100
58 56.4 44.4 66.6
57 19.0 15.2 22.8
100 12.6 9.8 14.6

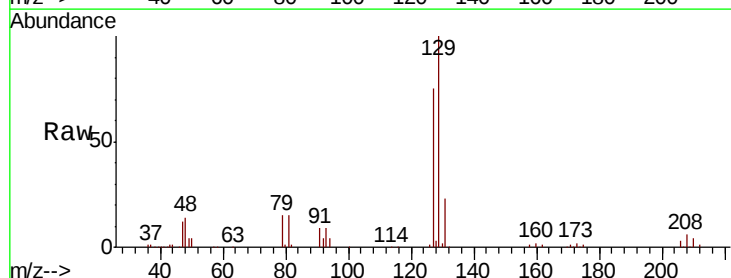


Abundance Ion 43.00 (42.70 to 43.70): VV018099.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV018099.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV018099.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV018099.D (-2187) (-)

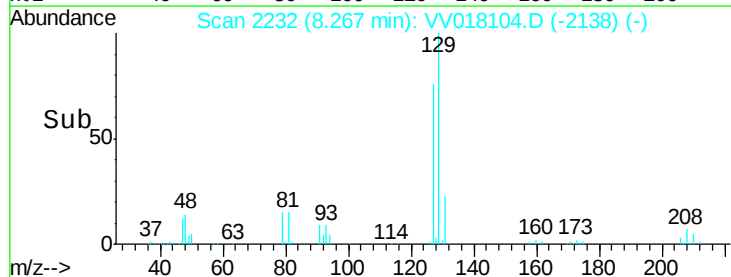
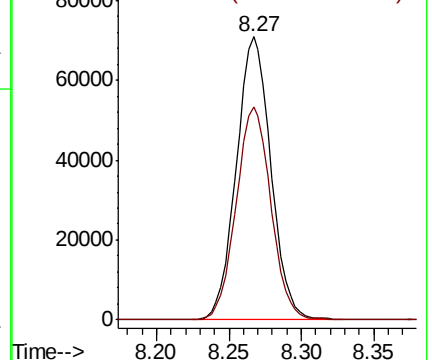


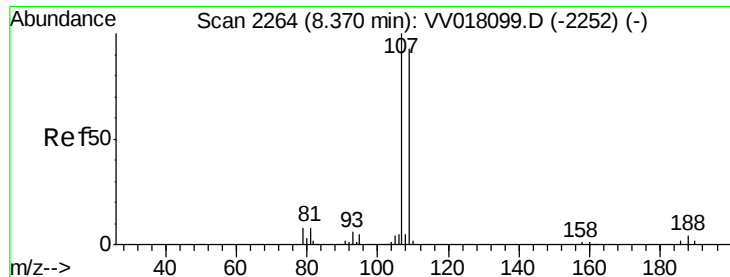
#49
Dibromochloromethane
Concen: 56.295 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Tgt Ion: 129 Resp: 117071
Ion Ratio Lower Upper
129 100
127 75.3 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018099.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV018099.D (-2218) (-)

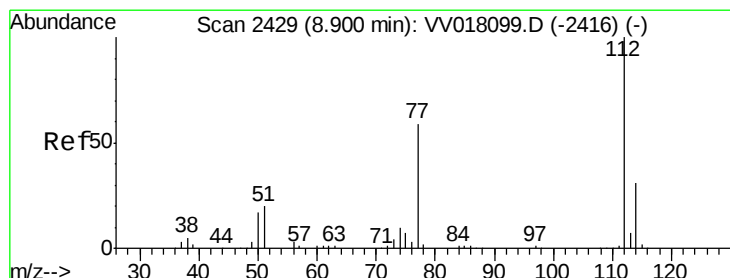
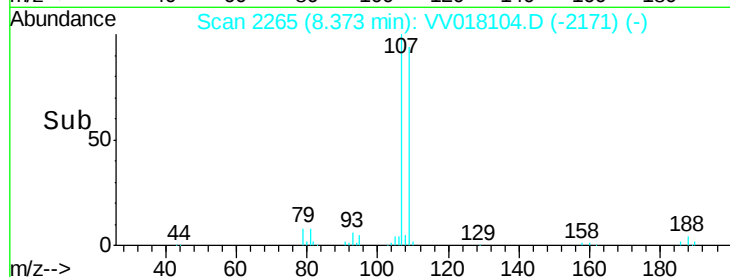
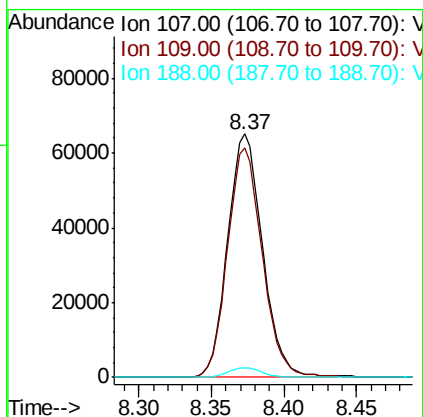
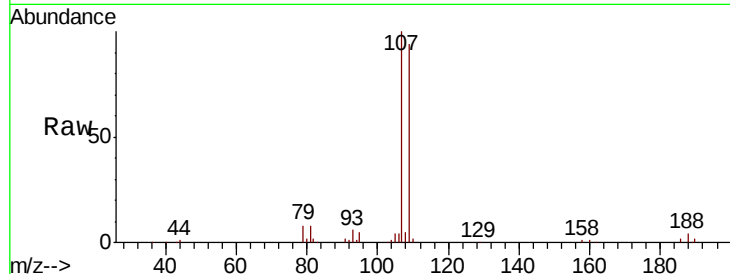




#50
 1,2-Dibromoethane
 Concen: 49.308 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

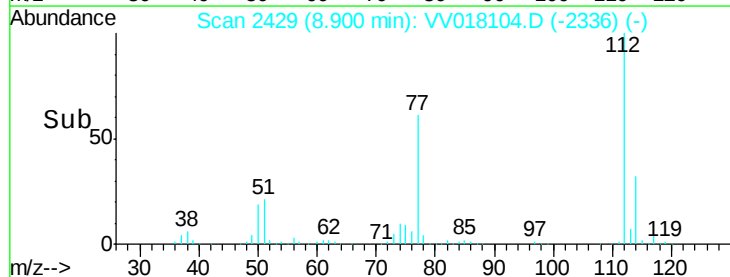
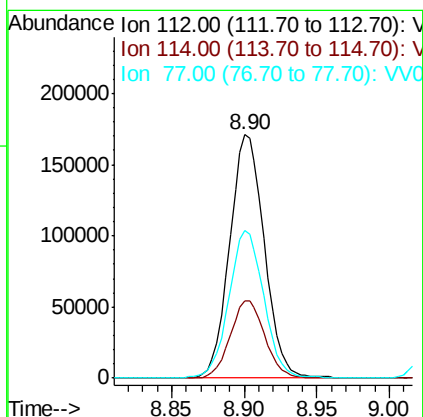
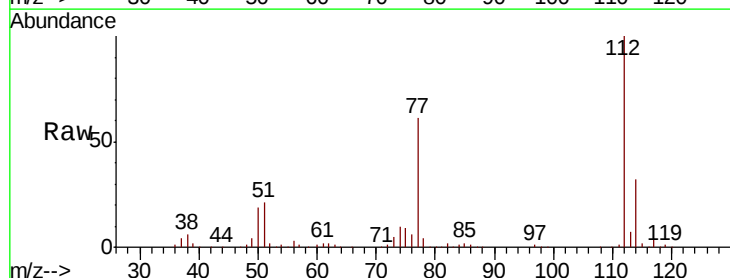
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

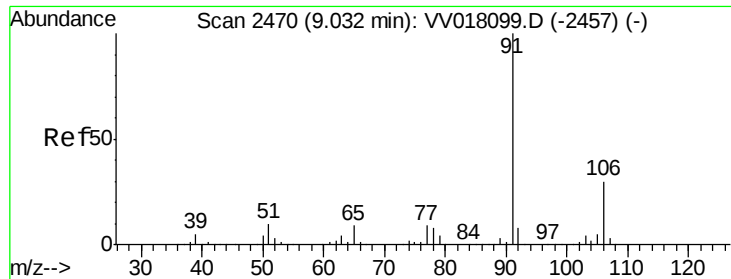
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	67.5	125.4
188	4.0	3.4	5.0



#51
 Chlorobenzene
 Concen: 50.114 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.3
77	60.7	49.4	74.2





#52

Ethylbenzene

Concen: 50.388 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

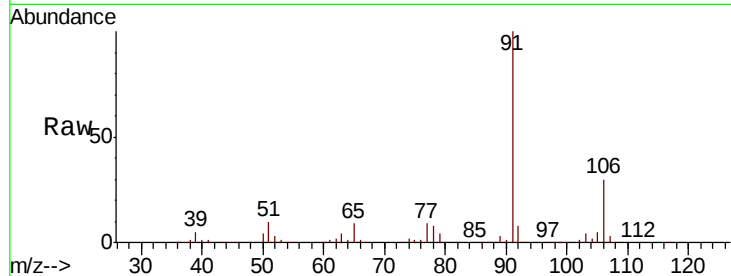
VSTD05086

Tot Ion: 91 Resp: 483638

Ion Ratio Lower Upper

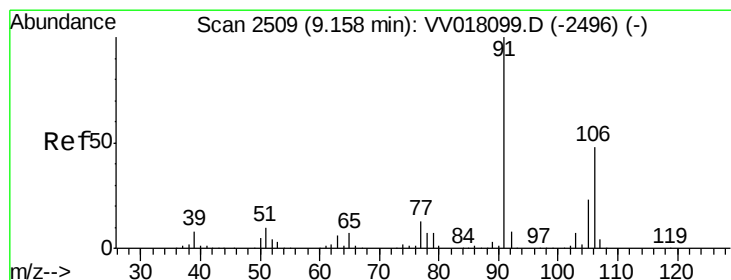
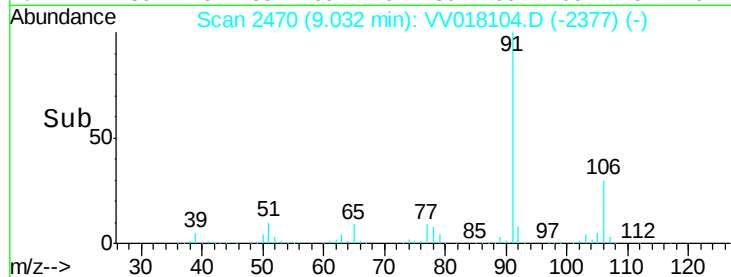
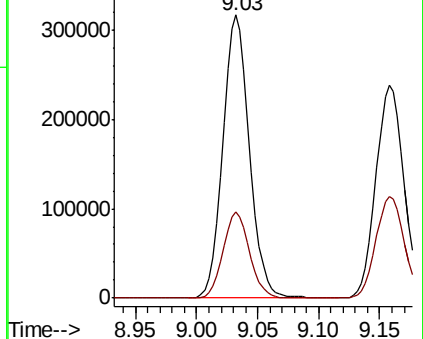
91 100

106 30.3 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018104.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018104.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.627 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018104.D

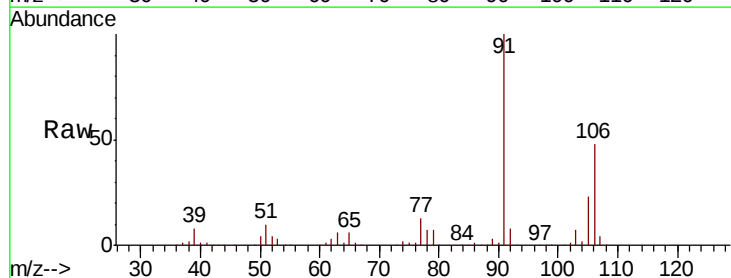
Acq: 26 Aug 2020 16:52

Tgt Ion: 106 Resp: 182257

Ion Ratio Lower Upper

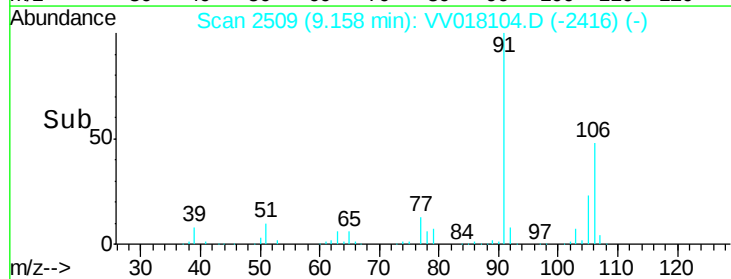
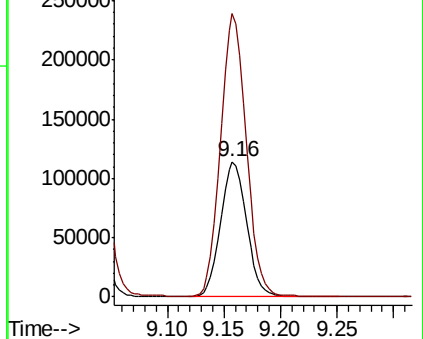
106 100

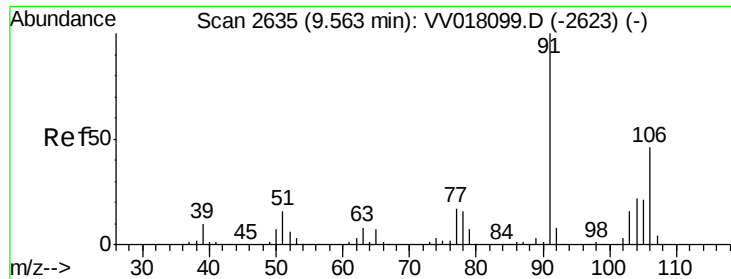
91 208.8 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018104.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018104.D (-2416) (-)

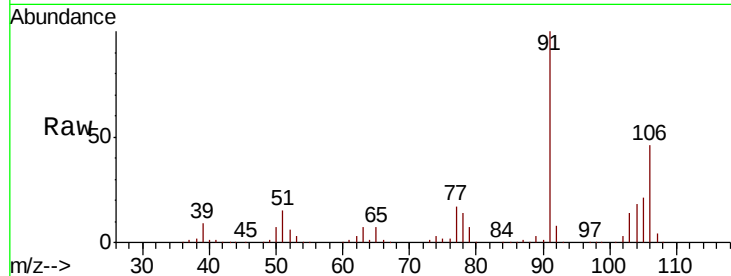




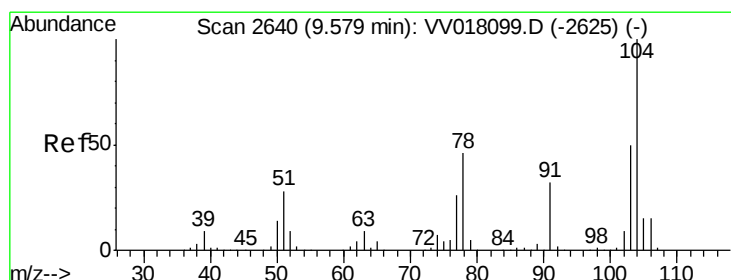
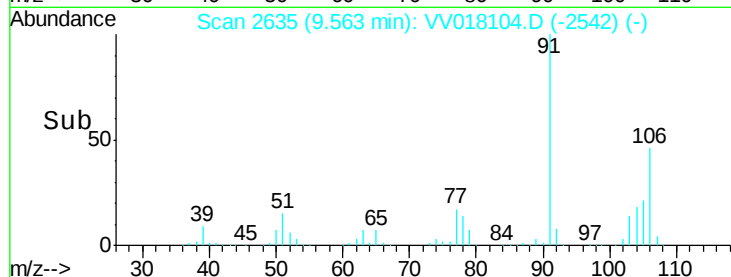
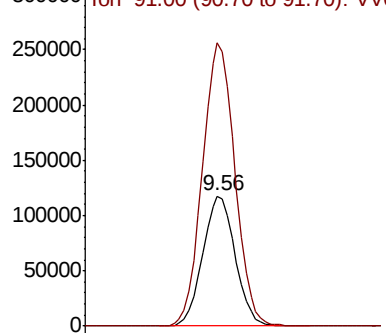
#54
o-xylene
Concen: 50.839 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion:106 Resp: 177361
Ion Ratio Lower Upper
106 100
91 217.9 156.0 289.8

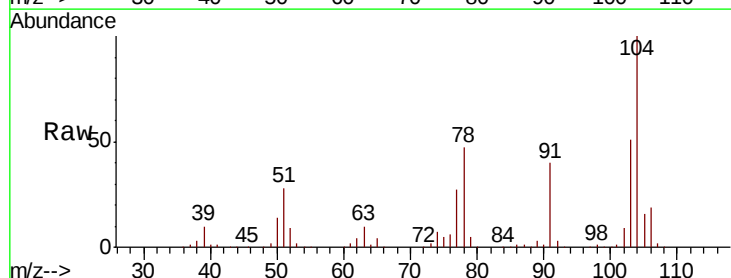


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

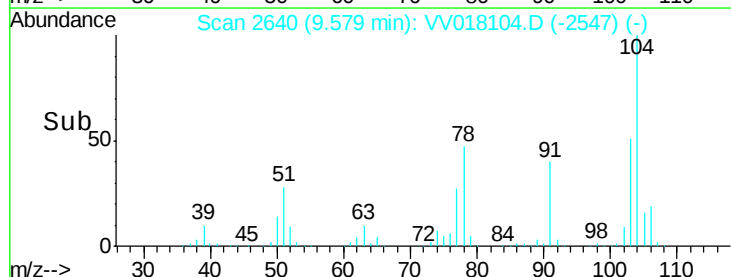
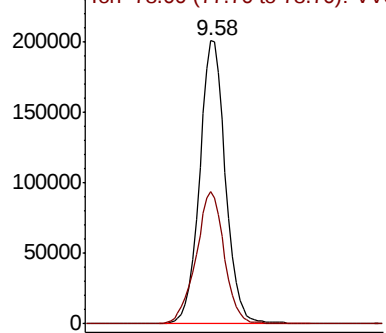


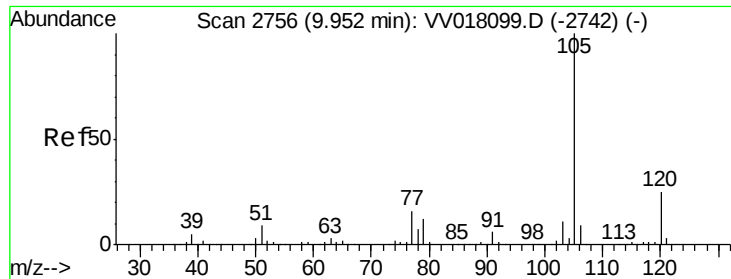
#55
Styrene
Concen: 53.357 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018104.D
Acq: 26 Aug 2020 16:52

Tgt Ion:104 Resp: 318774
Ion Ratio Lower Upper
104 100
78 46.6 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.047 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

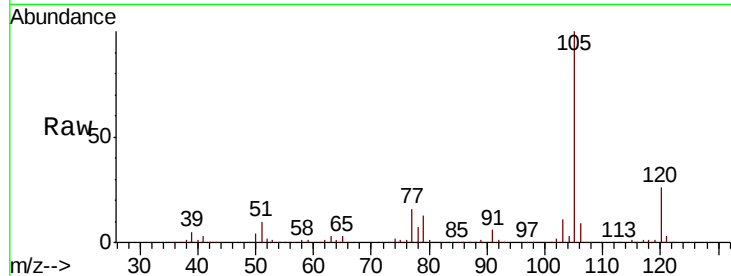
Tot Ion:105 Resp: 479015

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

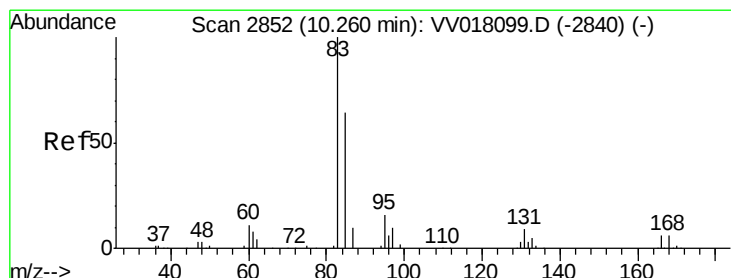
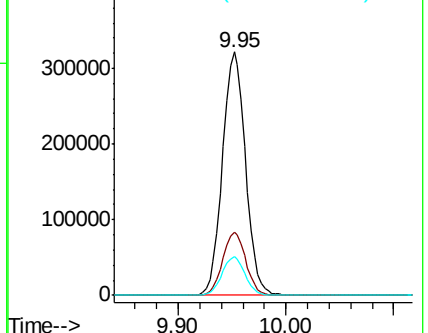
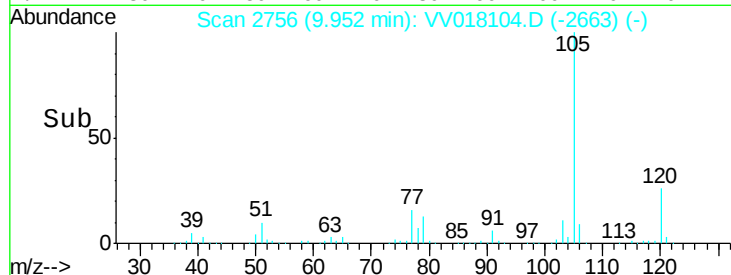
77 15.9 13.1 19.7



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: 48.235 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

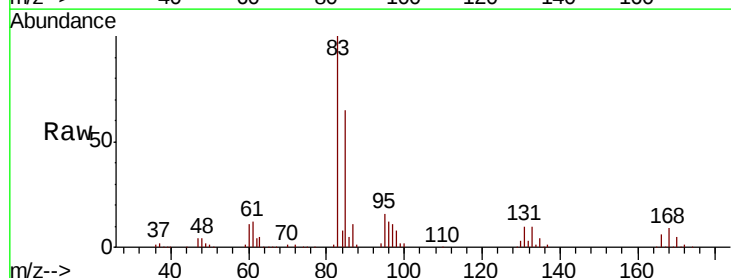
Tgt Ion: 83 Resp: 160031

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

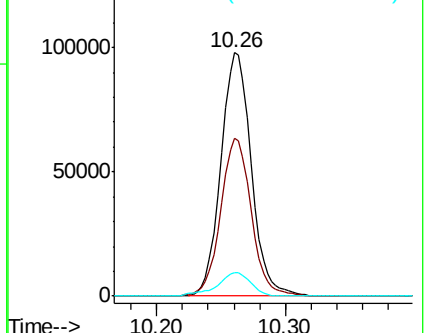
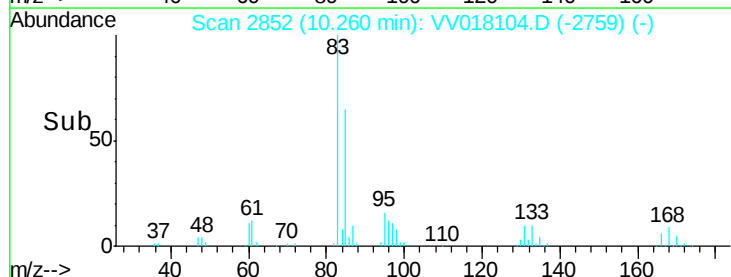
131 9.6 7.8 11.6

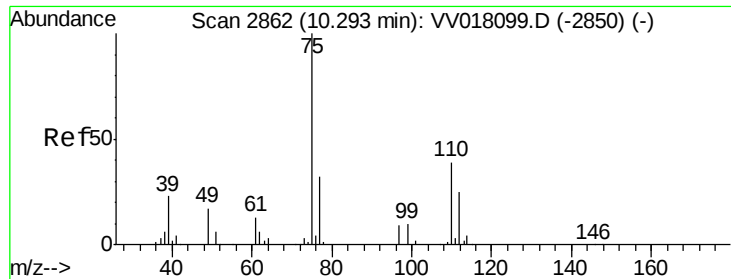


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

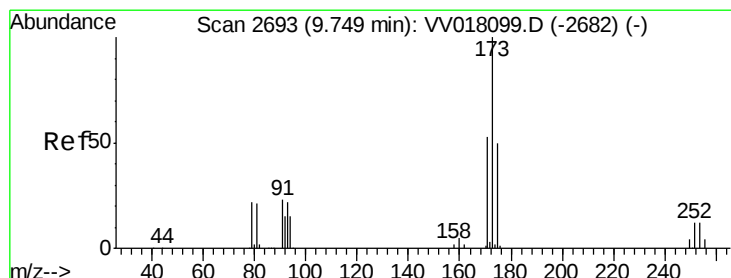
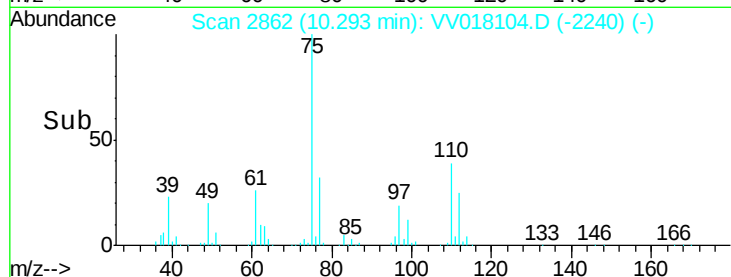
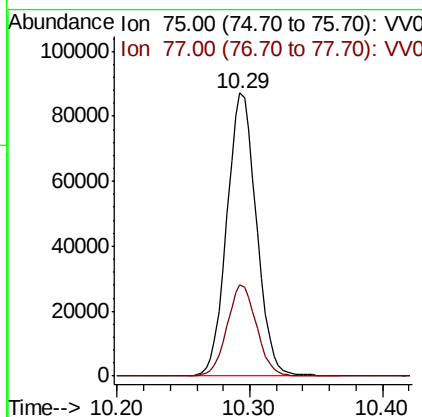
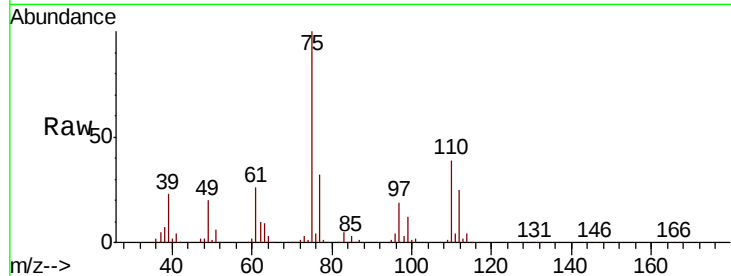




#59
 1,2,3-Trichloropropane
 Concen: 47.512 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

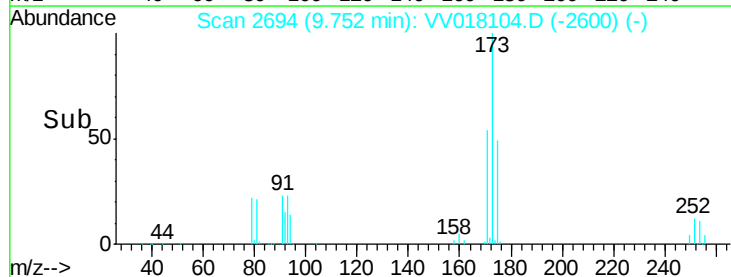
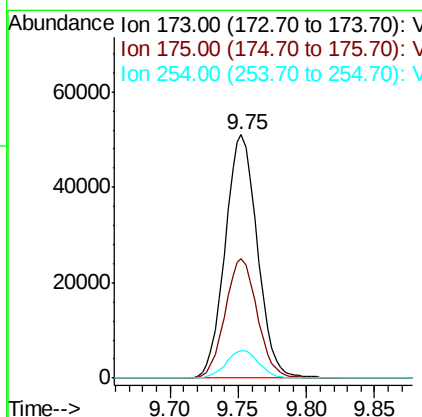
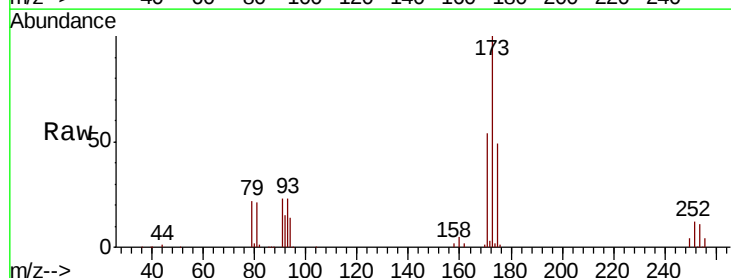
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

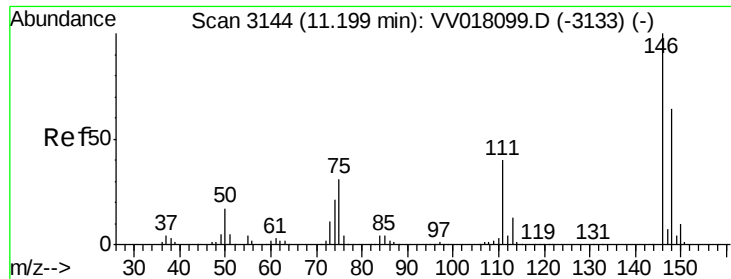
Tot Ion: 75 Resp: 134996
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#61
 Bromoform
 Concen: 58.880 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion: 173 Resp: 83701
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.6 57.8
 254 11.4 8.4 12.6

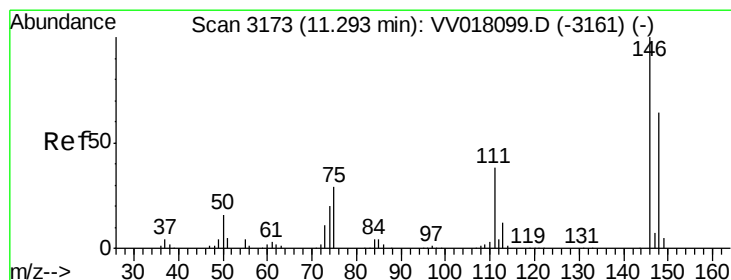
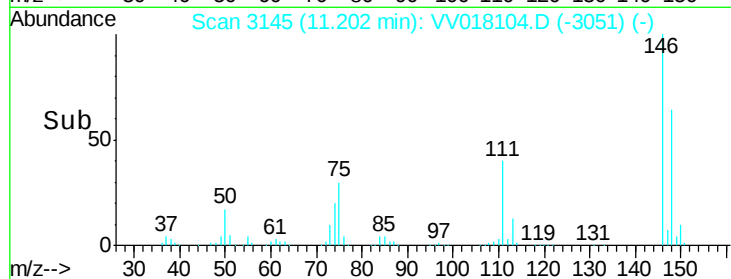
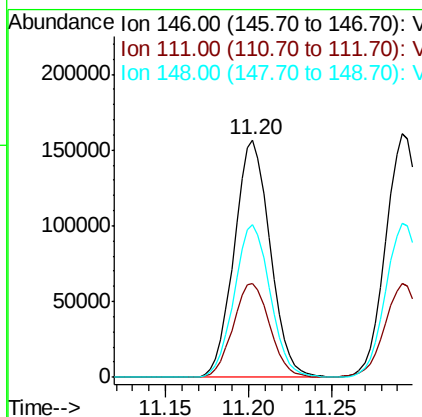
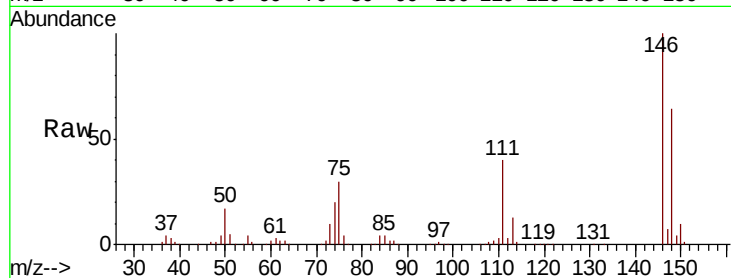




#62
 1,3-Dichlorobenzene
 Concen: 49.549 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

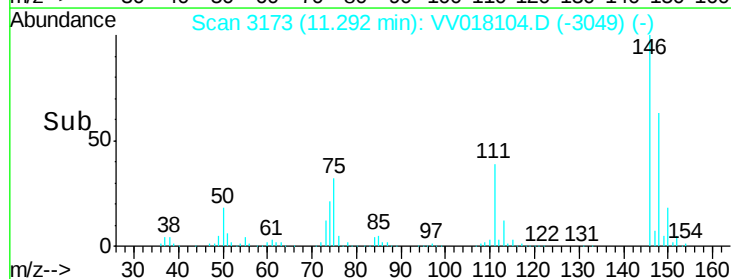
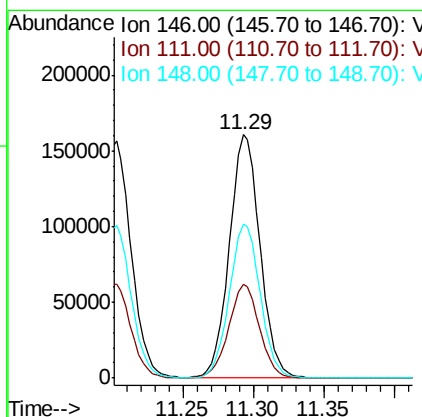
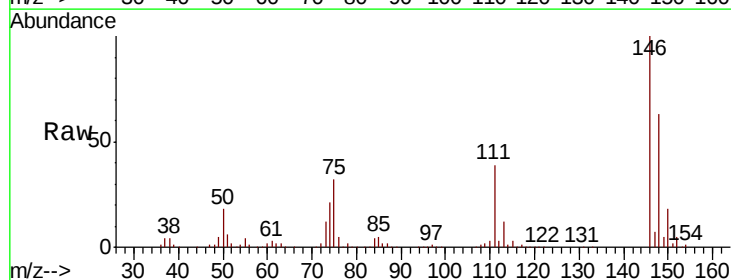
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

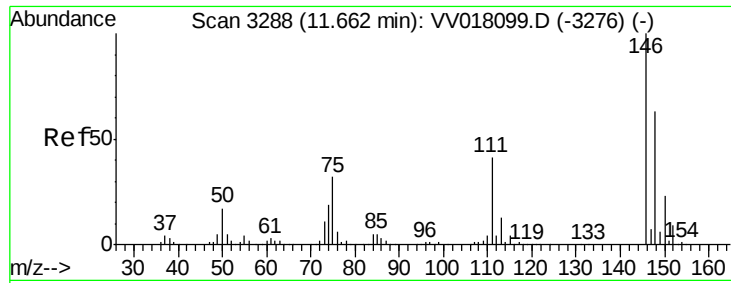
Tot Ion:146 Resp: 236719
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.8 53.4
 148 64.5 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 49.587 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion:146 Resp: 243366
 Ion Ratio Lower Upper
 146 100
 111 38.5 28.0 52.0
 148 63.3 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 49.122 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

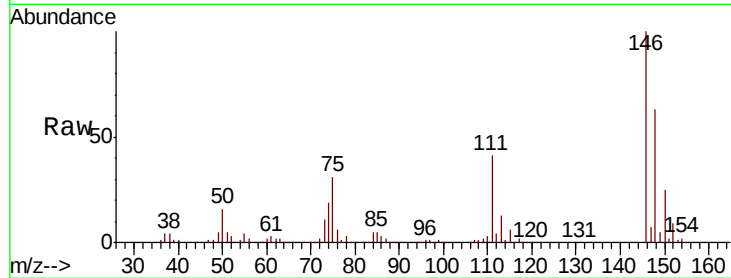
Tot Ion:146 Resp: 241550

Ion Ratio Lower Upper

146 100

111 41.0 34.2 51.4

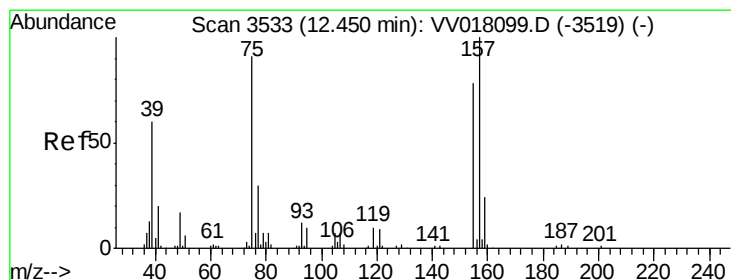
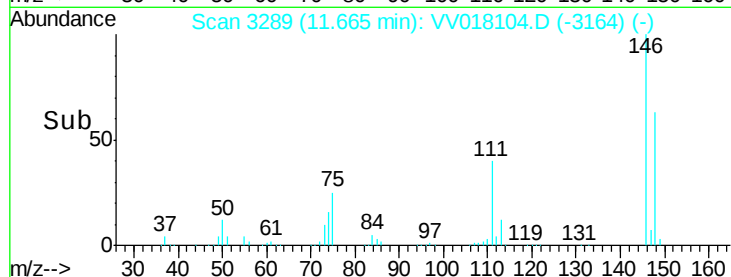
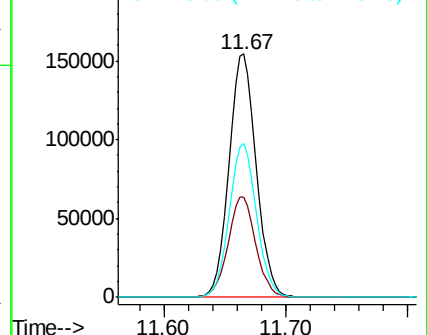
148 63.2 50.6 76.0



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: 46.944 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

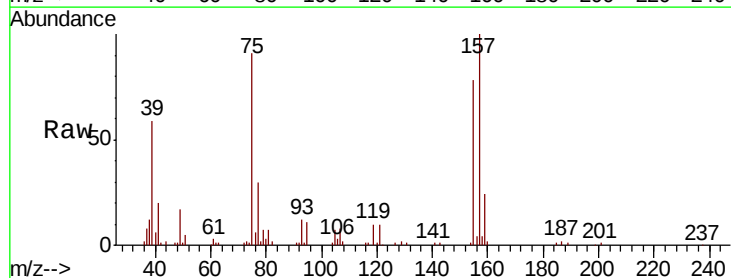
Tgt Ion: 75 Resp: 34011

Ion Ratio Lower Upper

75 100

155 86.0 67.6 101.4

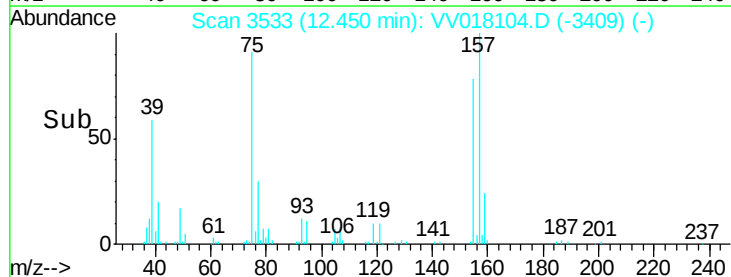
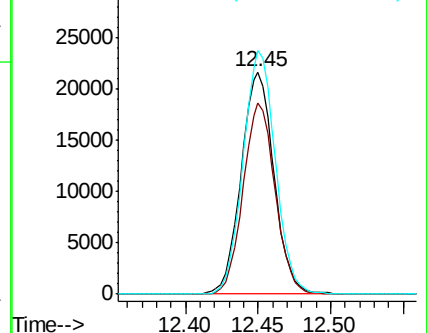
157 109.7 84.3 126.5

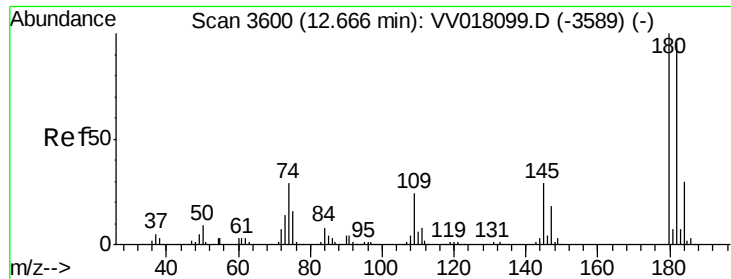


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

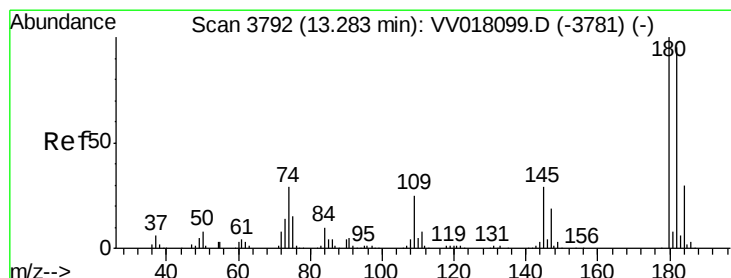
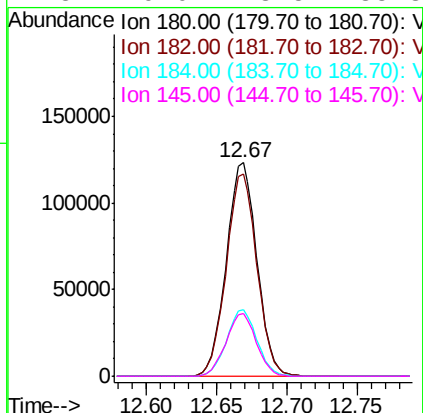
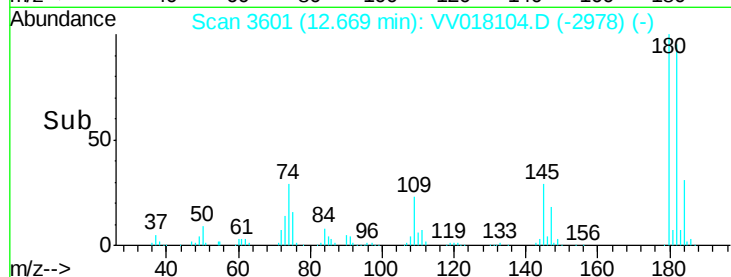
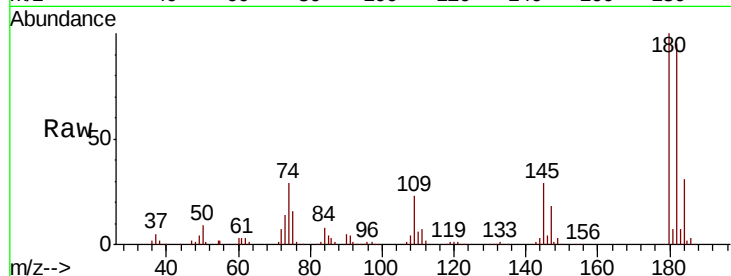




#67
 1,3,5-Trichlorobenzene
 Concen: 51.483 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

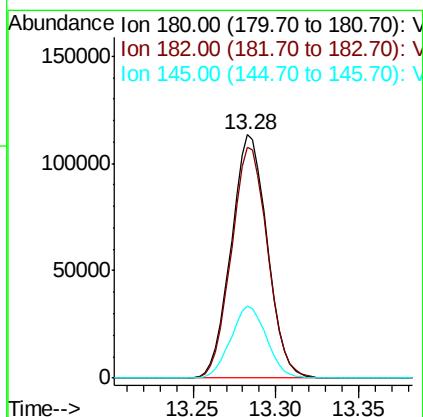
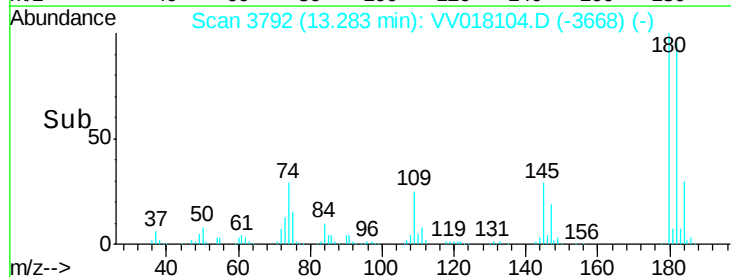
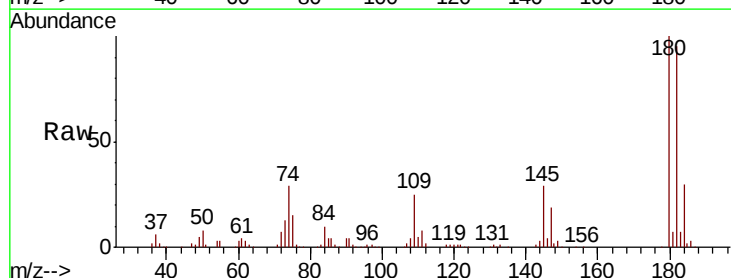
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

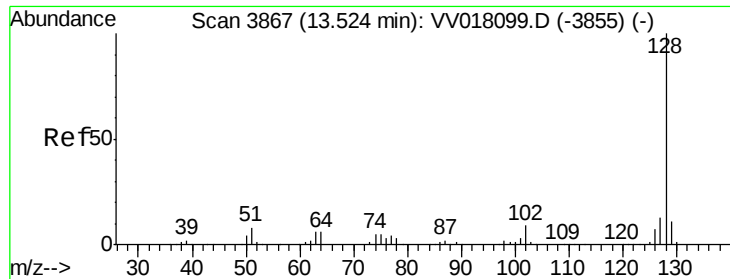
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.2	115.8
184	30.7	24.6	36.8
145	29.0	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 53.853 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018104.D
 Acq: 26 Aug 2020 16:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	29.3	24.0	36.0





#69

Naphthalene

Concen: 50.806 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

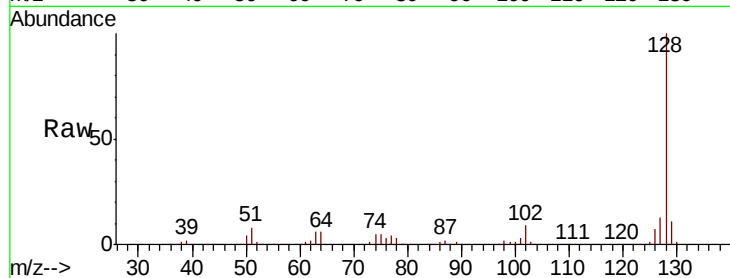
Tot Ion:128 Resp: 446819

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

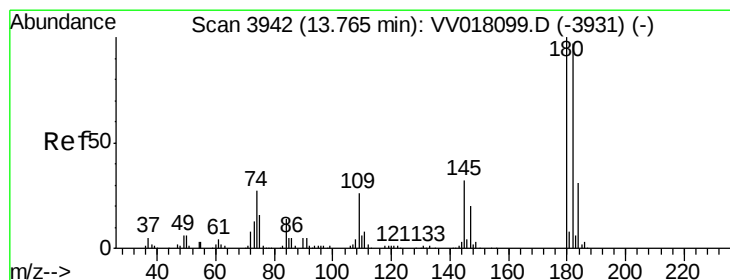
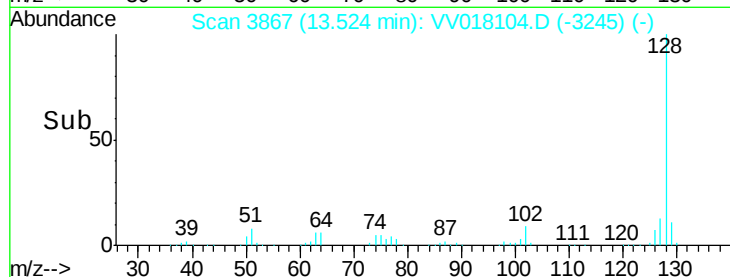
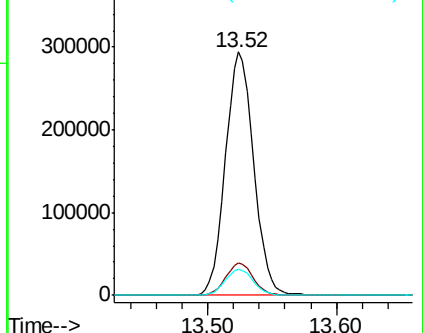
129 10.8 8.7 13.1



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: 53.074 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018104.D

Acq: 26 Aug 2020 16:52

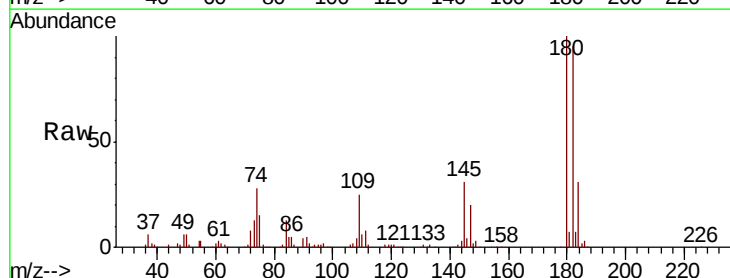
Tgt Ion:180 Resp: 172216

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 31.3 26.0 39.0



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

