

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019351.D
 Acq On : 12 Nov 2020 14:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Nov 13 01:07:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 13:19:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	201391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	197485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	121168	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78294	51.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.14%
7) Chloroethane-d5	1.58	69	63316	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.66%
11) 1,1-Dichloroethene-d2	2.12	63	158495	50.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.48%
21) 2-Butanone-d5	3.91	46	87359	111.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.59%
24) Chloroform-d	4.38	84	149031	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.66%
26) 1,2-Dichloroethane-d4	5.06	65	102140	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
32) Benzene-d6	5.07	84	261153	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
36) 1,2-Dichloropropane-d6	6.09	67	73888	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.52%
41) Toluene-d8	7.34	98	256545	51.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.08%
43) trans-1,3-Dichloropropene-	7.64	79	46925	52.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.02%
47) 2-Hexanone-d5	8.11	63	63028	118.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.88%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	105029	54.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	119436	51.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	88567	52.446	ug/L 99
3) Chloromethane	1.25	50	82554	54.711	ug/L 98
5) Vinyl chloride	1.32	62	86558	53.214	ug/L 99
6) Bromomethane	1.53	94	60058	51.639	ug/L 96
8) Chloroethane	1.60	64	53279	51.942	ug/L 99
9) Trichlorofluoromethane	1.76	101	152109	52.130	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	71736	53.941	ug/L 98
12) 1,1-Dichloroethene	2.13	96	69970	51.548	ug/L 90
13) Acetone	2.19	43	68115	102.157	ug/L 97
14) Carbon disulfide	2.31	76	197032	52.497	ug/L 100
15) Methyl Acetate	2.45	43	63094	56.050	ug/L 100
16) Methylene chloride	2.52	84	71004	52.093	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	68400	52.387	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	226098	53.899	ug/L 99
19) 1,1-Dichloroethane	3.21	63	120280	53.129	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	72368	52.358	ug/L 98
22) 2-Butanone	3.99	43	85263	111.514	ug/L 100

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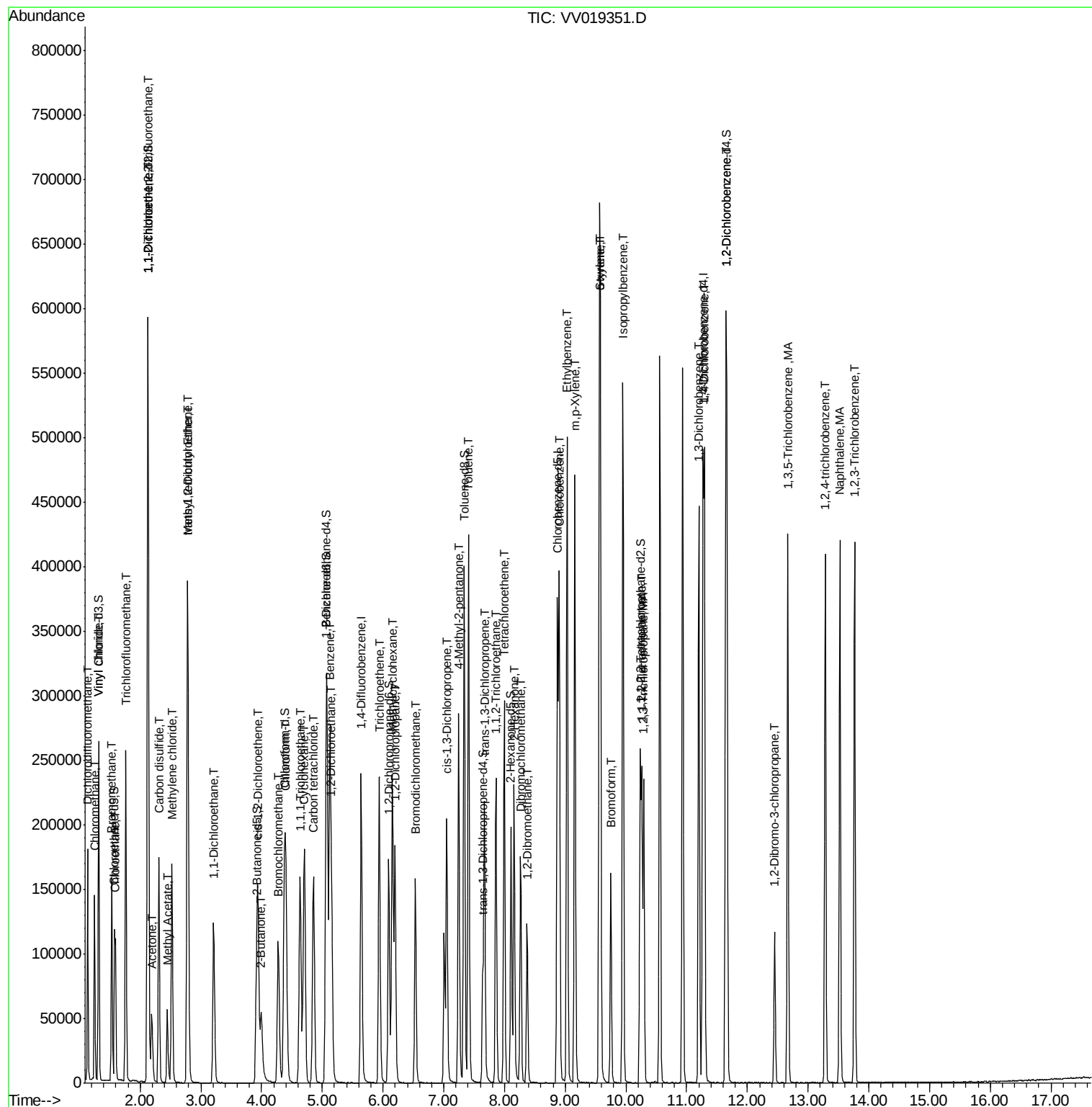
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	42278	53.039	uq/L	95
25) Chloroform	4.40	83	135340	51.399	uq/L	95
27) 1,2-Dichloroethane	5.15	62	115581	51.815	uq/L	100
29) Cyclohexane	4.70	56	94129	55.147	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	132818	51.199	uq/L	99
31) Carbon tetrachloride	4.86	117	121424	51.976	uq/L	100
33) Benzene	5.13	78	264721	53.138	uq/L	100
34) Trichloroethene	5.94	95	78695	52.377	uq/L	98
35) Methylcyclohexane	6.15	83	96234	51.827	uq/L	98
37) 1,2-Dichloropropane	6.20	63	62474	51.598	uq/L	99
38) Bromodichloromethane	6.53	83	102703	52.183	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	110967	53.456	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	169968	111.253	uq/L	99
42) Toluene	7.41	91	297285	53.049	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	119527	54.058	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	70674	53.812	uq/L	98
46) Tetrachloroethene	8.00	164	67565	51.051	uq/L	97
48) 2-Hexanone	8.16	43	132224	110.434	uq/L	97
49) Dibromochloromethane	8.27	129	89747	53.247	uq/L	99
50) 1,2-Dibromoethane	8.37	107	76460	53.213	uq/L	95
51) Chlorobenzene	8.90	112	201118	52.186	uq/L	99
52) Ethylbenzene	9.03	91	334179	53.322	uq/L	100
53) m,p-Xylene	9.16	106	130355	53.714	uq/L	97
54) o-xylene	9.56	106	125043	53.280	uq/L	95
55) Styrene	9.58	104	226520	54.578	uq/L	100
56) Isopropylbenzene	9.95	105	335255	53.202	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	97847	54.523	uq/L	97
59) 1,2,3-Trichloropropane	10.29	75	89237	53.968	uq/L	98
61) Bromoform	9.75	173	72955	52.885	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	179497	52.726	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	184347	51.764	uq/L	98
65) 1,2-Dichlorobenzene	11.66	146	180728	52.468	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	27842	55.961	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	136845	52.435	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	129544	55.177	uq/L	99
69) Naphthalene	13.52	128	324761	58.573	uq/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	131075	55.484	uq/L	99

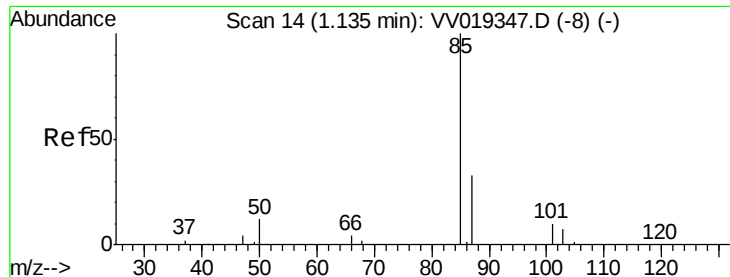
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.446 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

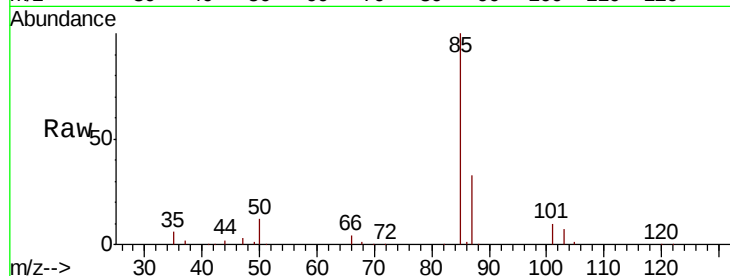
VSTD05095

Tot Ion: 85 Resp: 88567

Ion Ratio Lower Upper

85 100

87 32.7 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV019347.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019347.D (-8) (-)

1.14

100000

80000

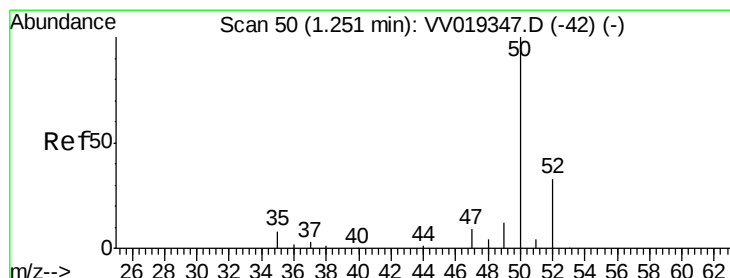
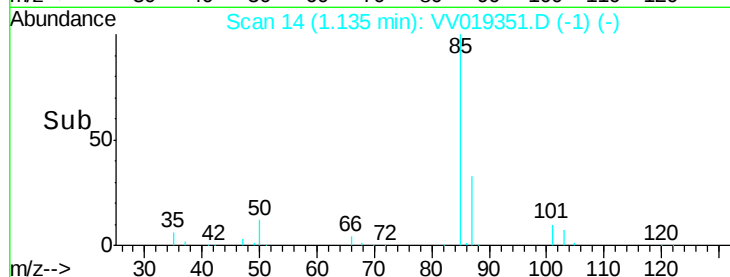
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 54.711 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019351.D

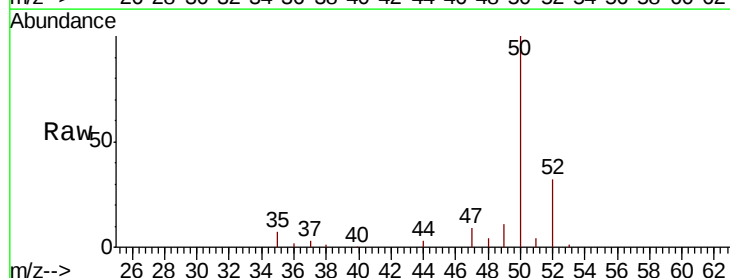
Acq: 12 Nov 2020 14:12

Tgt Ion: 50 Resp: 82554

Ion Ratio Lower Upper

50 100

52 32.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV019347.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019347.D (-42) (-)

1.25

80000

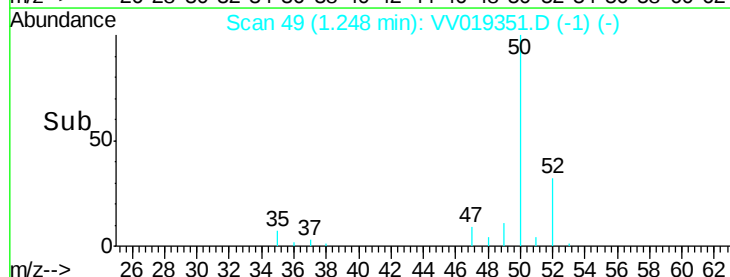
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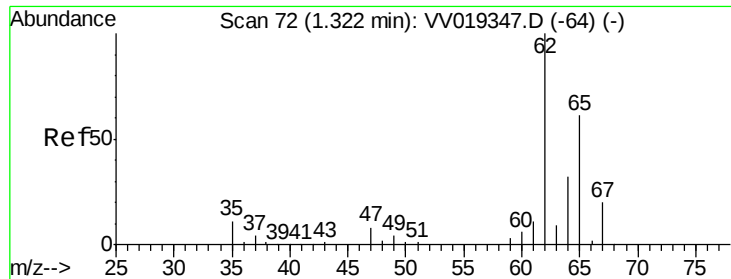
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 53.214 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleID :

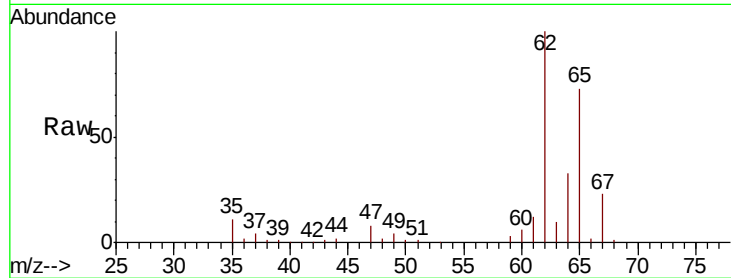
VSTD05095

Tot Ion: 62 Resp: 86558

Ion Ratio Lower Upper

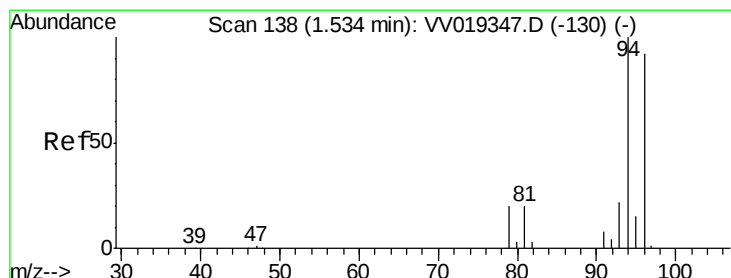
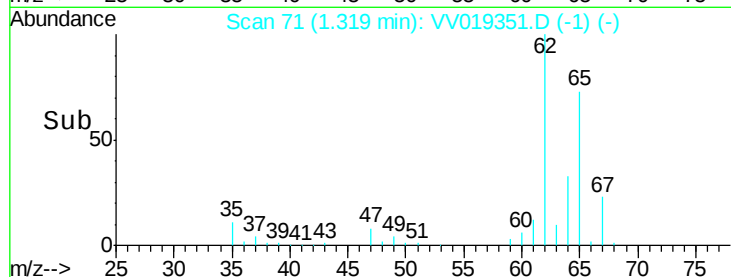
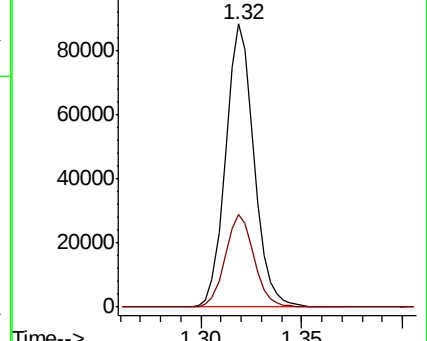
62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.639 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019351.D

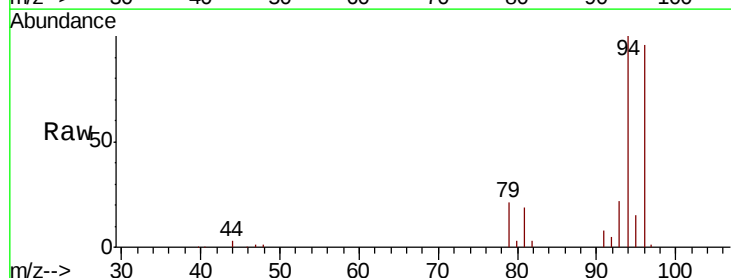
Acq: 12 Nov 2020 14:12

Tgt Ion: 94 Resp: 60058

Ion Ratio Lower Upper

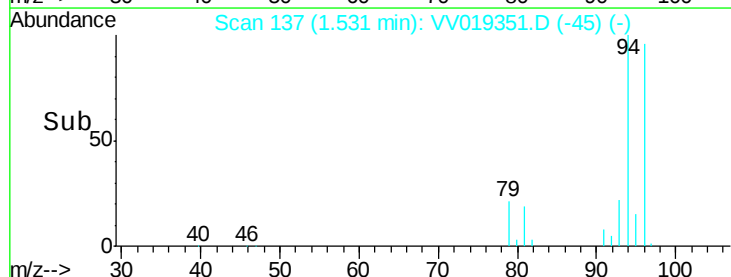
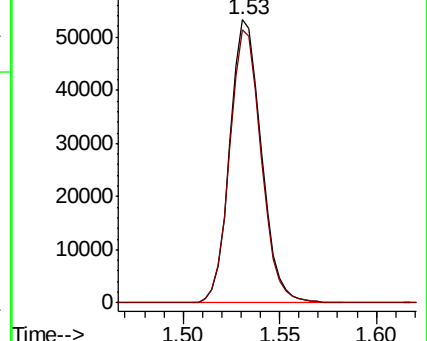
94 100

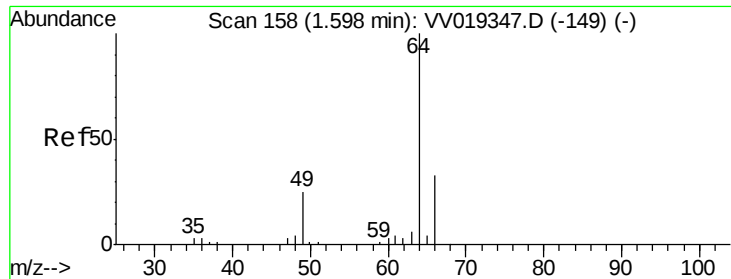
96 96.5 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 51.942 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

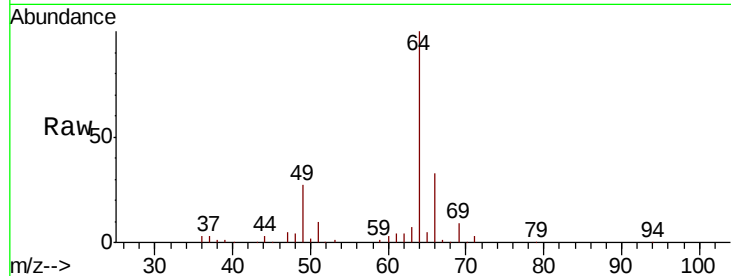
VSTD05095

Tot Ion: 64 Resp: 53279

Ion Ratio Lower Upper

64 100

66 33.1 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV019347.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV019347.D (-149) (-)

1.60

50000

40000

30000

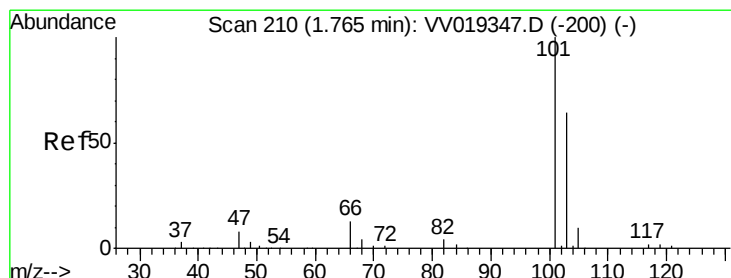
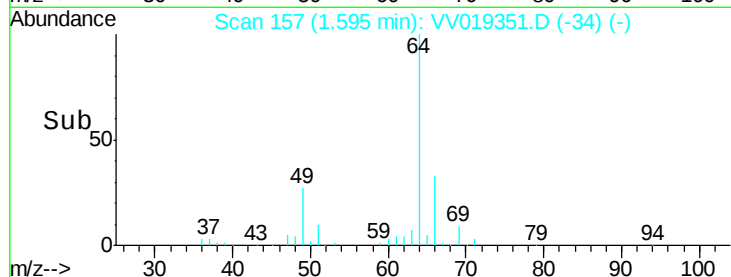
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 52.130 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019351.D

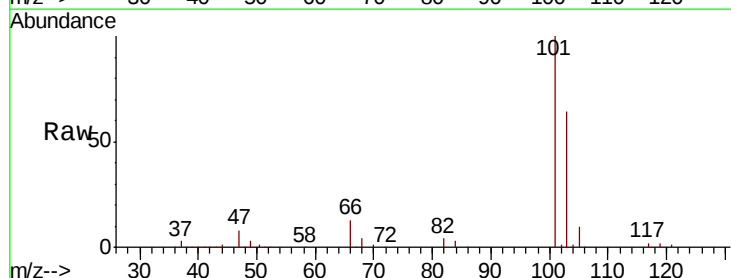
Acq: 12 Nov 2020 14:12

Tgt Ion: 101 Resp: 152109

Ion Ratio Lower Upper

101 100

103 64.8 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV019347.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019347.D (-200) (-)

1.76

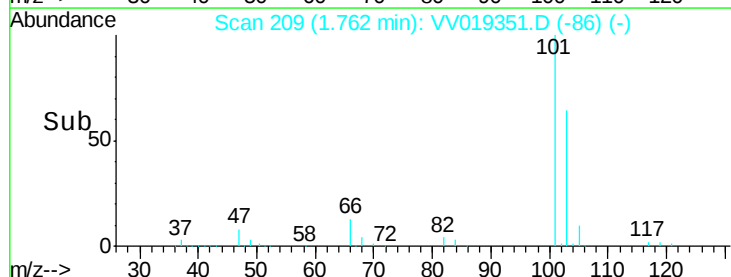
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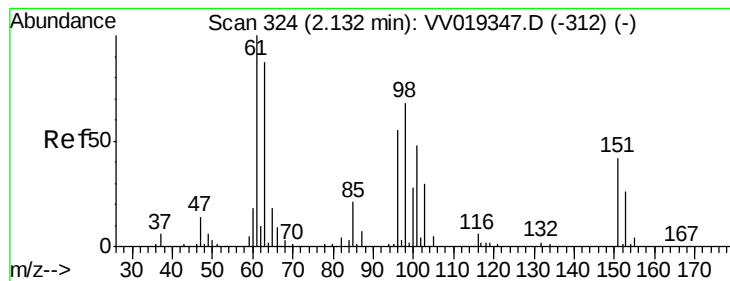
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 53.941 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

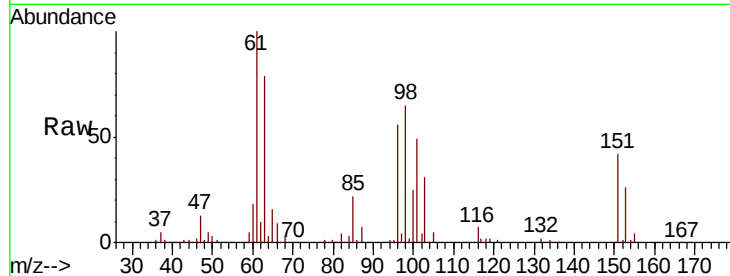
Tot Ion:101 Resp: 71736

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

151 84.2 69.2 103.8



Abundance Ion 101.00 (100.70 to 101.70): VV019347.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV019347.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV019347.D (-312) (-)

Time-->

2.05 2.10 2.15 2.20

2.13

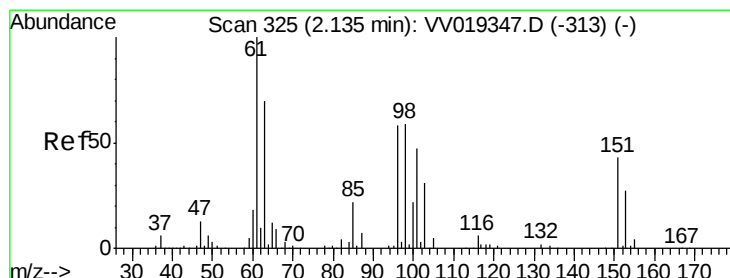
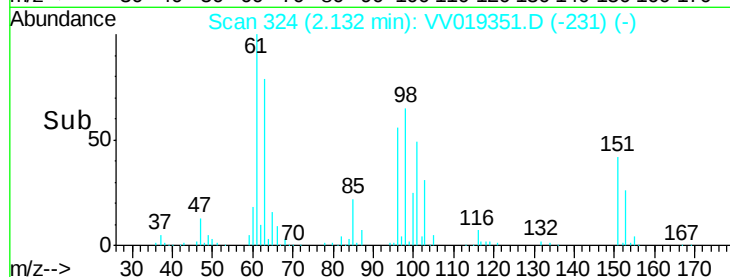
40000

30000

20000

10000

0



#12

1,1-Dichloroethene

Concen: 51.548 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

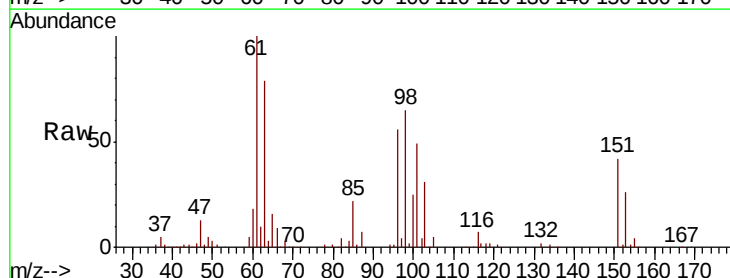
Tgt Ion: 96 Resp: 69970

Ion Ratio Lower Upper

96 100

61 178.9 121.0 224.8

63 142.0 86.2 160.0



Abundance Ion 96.00 (95.70 to 96.70): VV019347.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019347.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019347.D (-313) (-)

Time-->

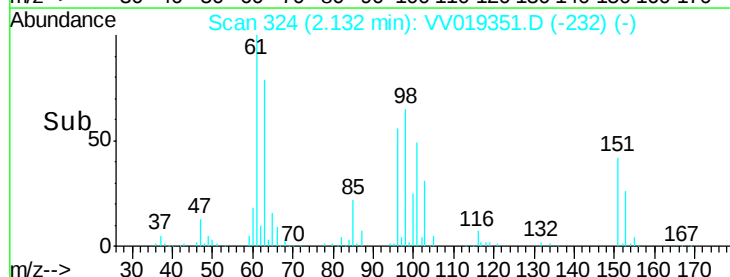
2.10 2.15 2.20

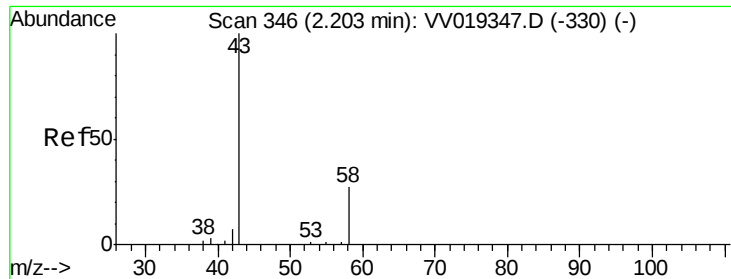
2.13

100000

50000

0





#13

Acetone

Concen: 102.157 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

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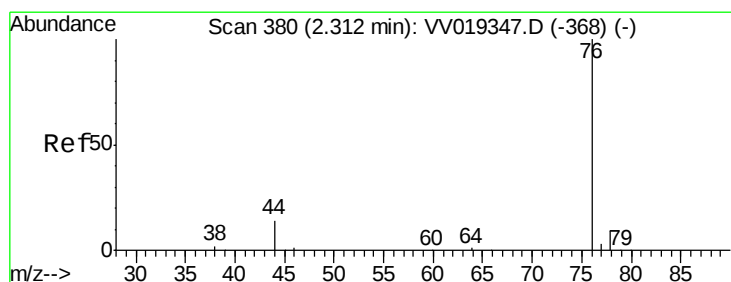
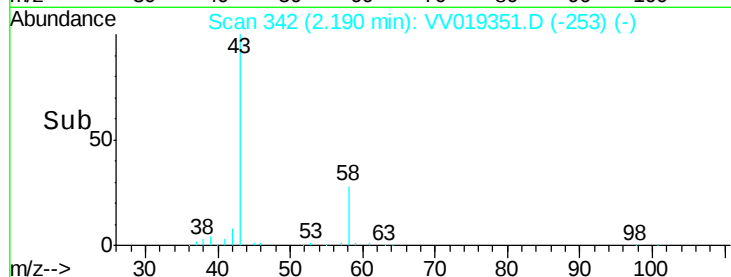
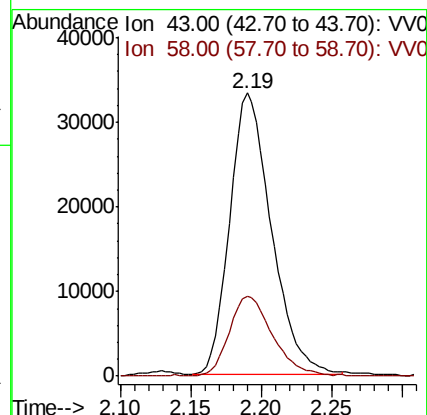
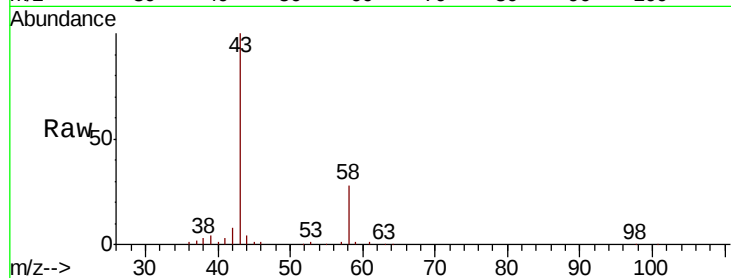
VSTD05095

Tot Ion: 43 Resp: 68115

Ion Ratio Lower Upper

43 100

58 29.7 0.0 55.8



#14

Carbon disulfide

Concen: 52.497 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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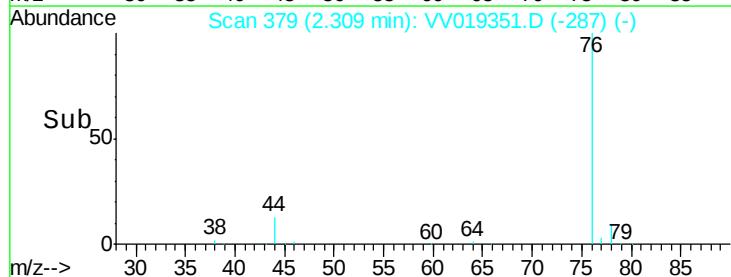
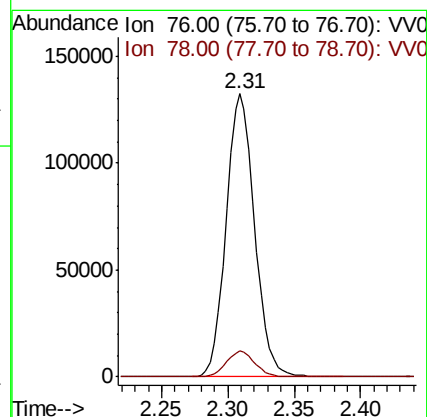
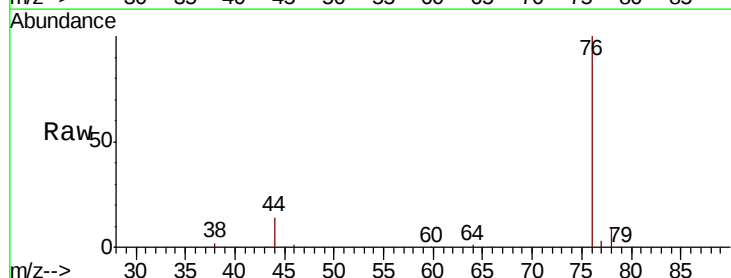
Acq: 12 Nov 2020 14:12

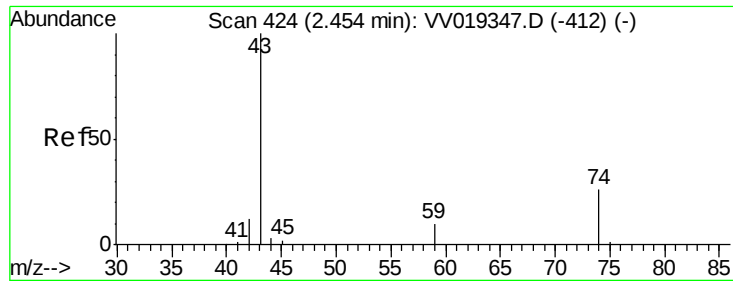
Tgt Ion: 76 Resp: 197032

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

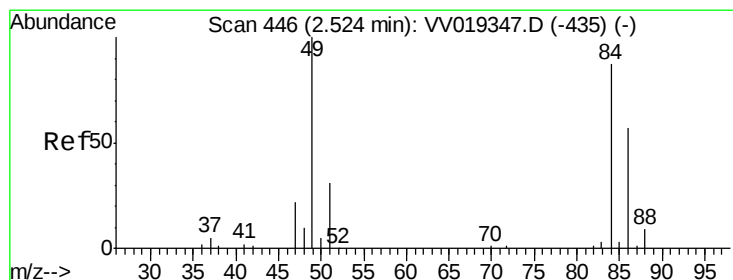
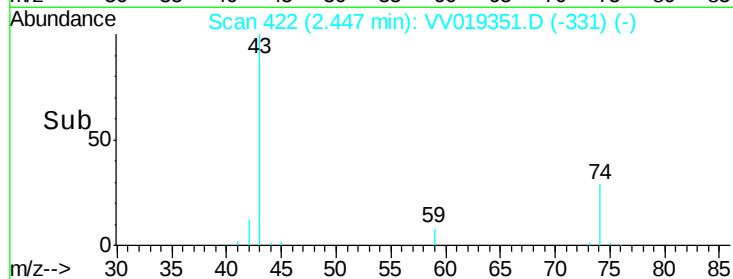
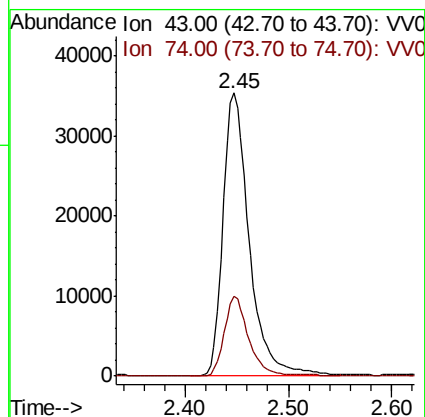
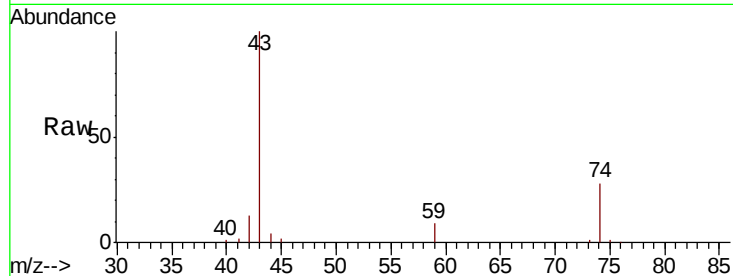




#15
Methvl Acetate
Concen: 56.050 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.01 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

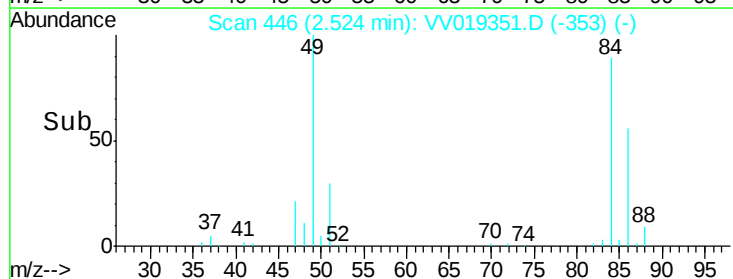
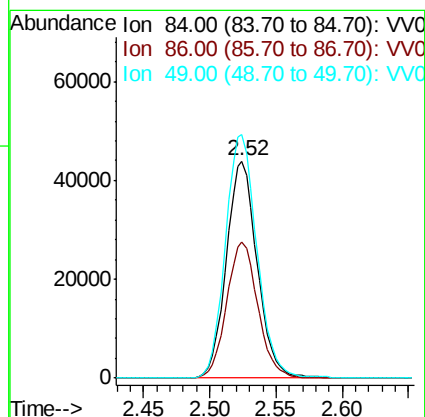
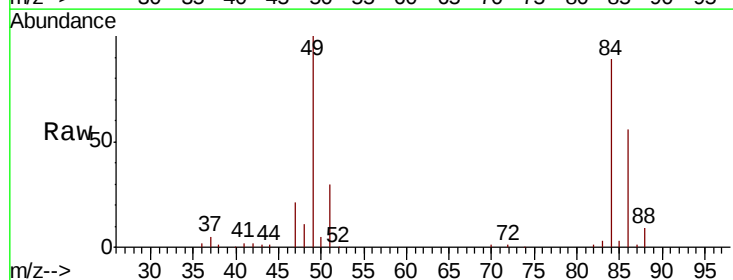
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

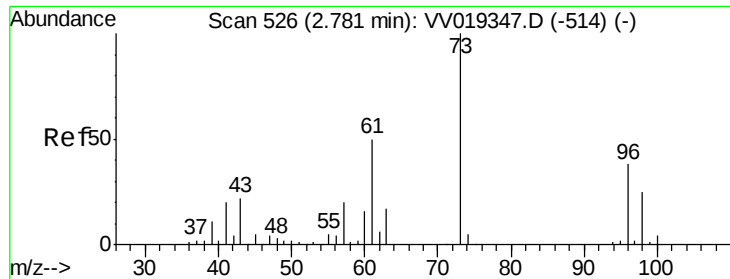
Tot Ion: 43 Resp: 63094
Ion Ratio Lower Upper
43 100
74 25.8 20.7 31.1



#16
Methylene chloride
Concen: 52.093 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Tgt Ion: 84 Resp: 71004
Ion Ratio Lower Upper
84 100
86 62.9 45.6 84.8
49 112.0 80.2 149.0





#17

trans-1,2-Dichloroethene

Concen: 52.387 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

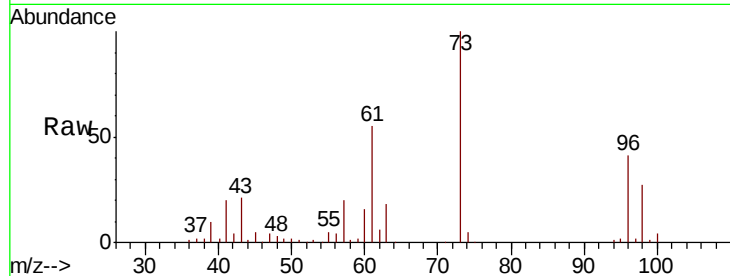
Tot Ion: 96 Resp: 68400

Ion Ratio Lower Upper

96 100

61 133.5 91.8 170.6

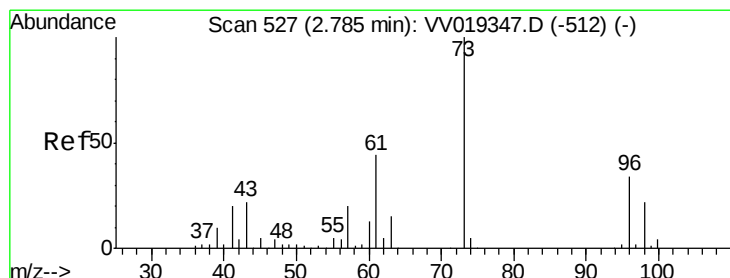
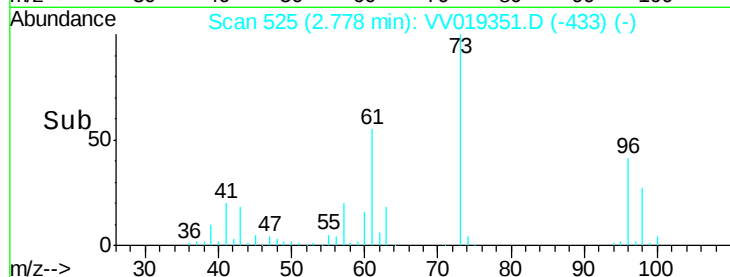
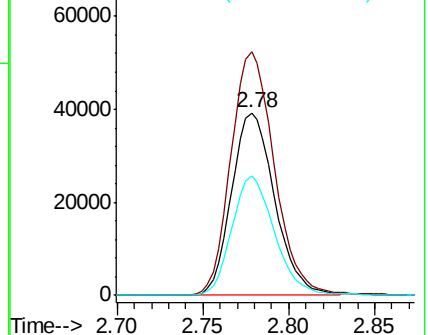
98 65.2 45.1 83.7



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: 53.899 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

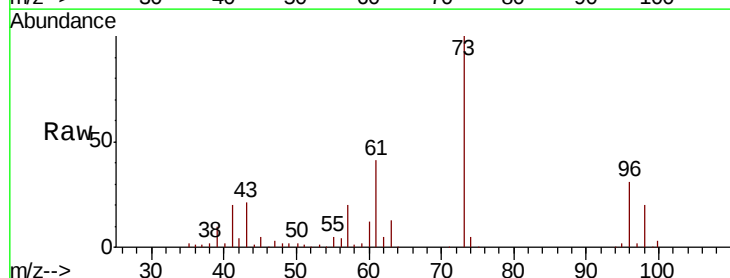
Tgt Ion: 73 Resp: 226098

Ion Ratio Lower Upper

73 100

43 21.3 17.2 25.8

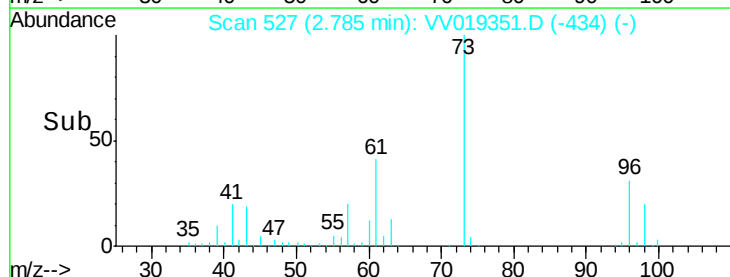
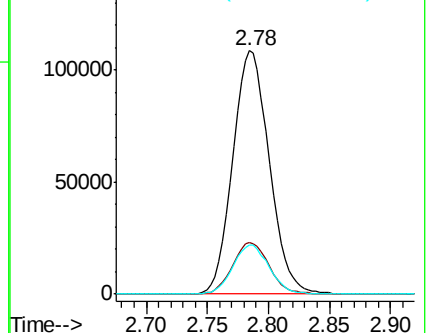
57 20.3 15.9 23.9

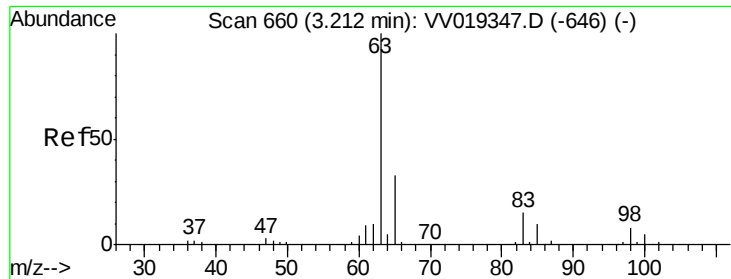


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

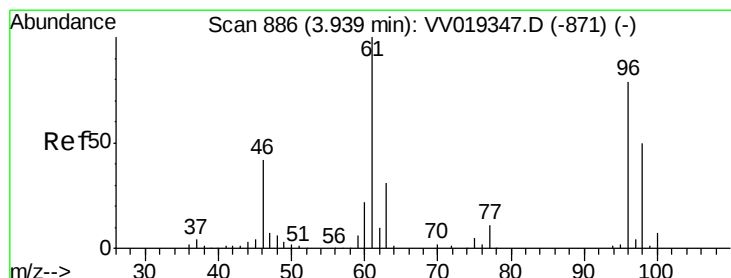
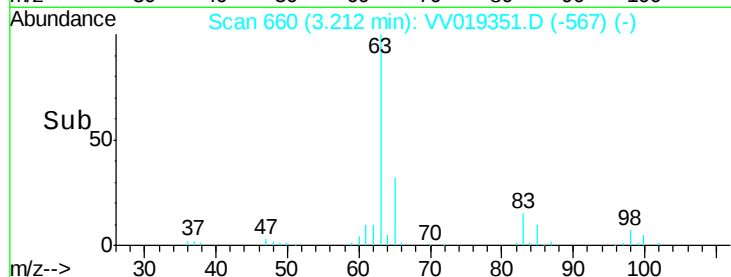
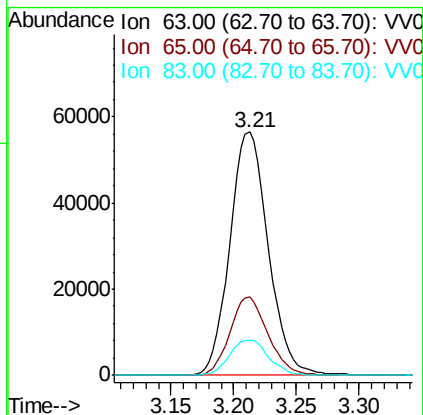
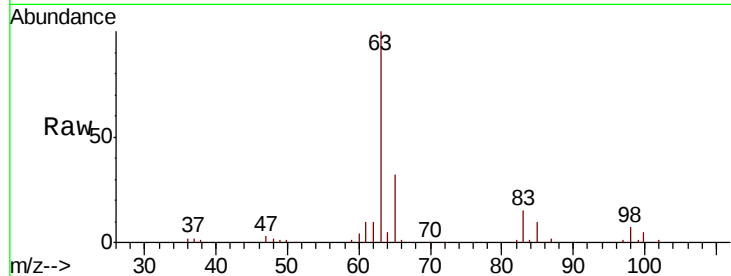




#19
 1,1-Dichloroethane
 Concen: 53.129 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

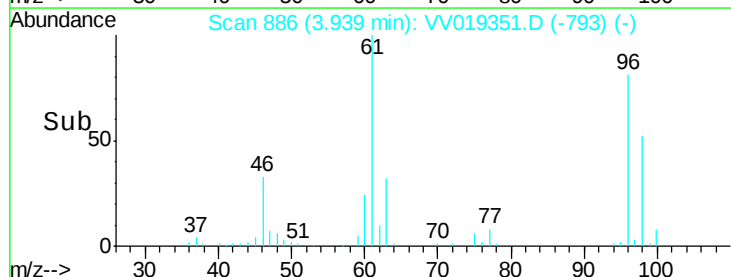
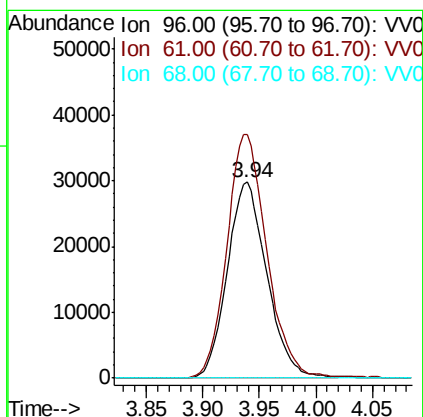
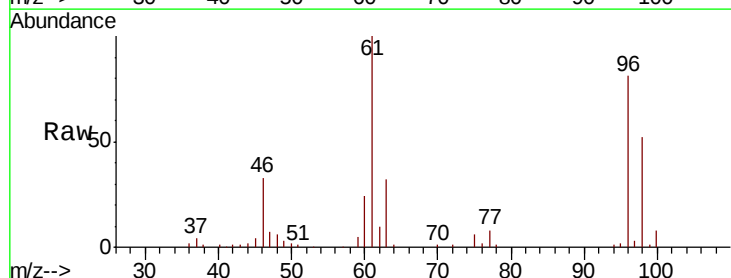
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

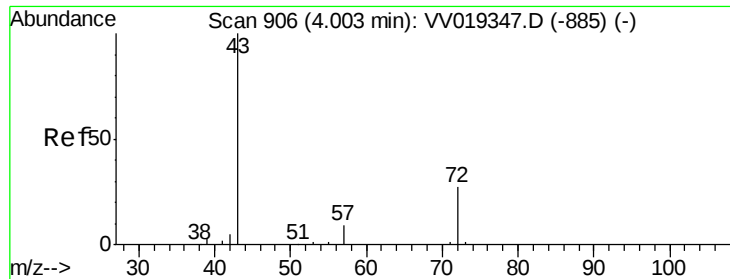
Tot Ion: 63 Resp: 120280
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.0 42.8
 83 14.6 10.7 19.9



#20
 cis-1,2-Dichloroethene
 Concen: 52.358 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

Tgt Ion: 96 Resp: 72368
 Ion Ratio Lower Upper
 96 100
 61 124.1 88.2 163.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.514 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

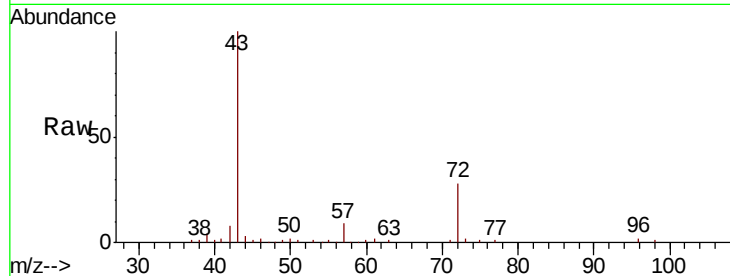
VSTD05095

Tot Ion: 43 Resp: 85263

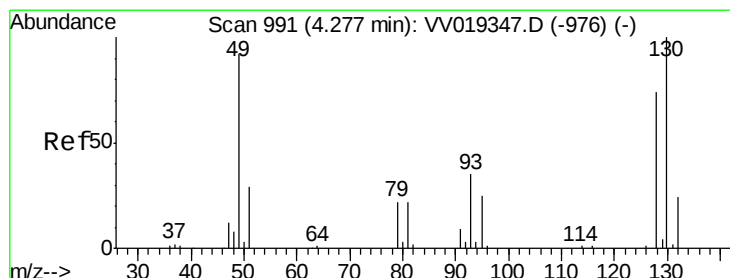
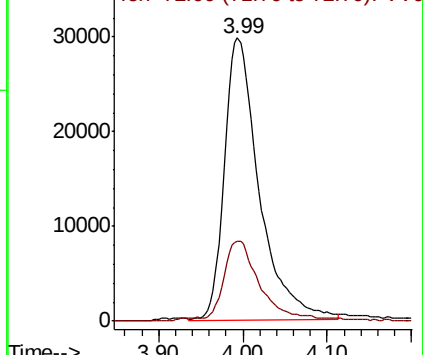
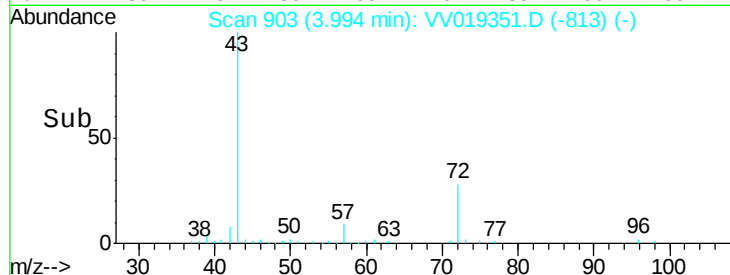
Ion Ratio Lower Upper

43 100

72 26.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV019351.D (-813) (-)



#23

Bromochloromethane

Concen: 53.039 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Tgt Ion:128 Resp: 42278

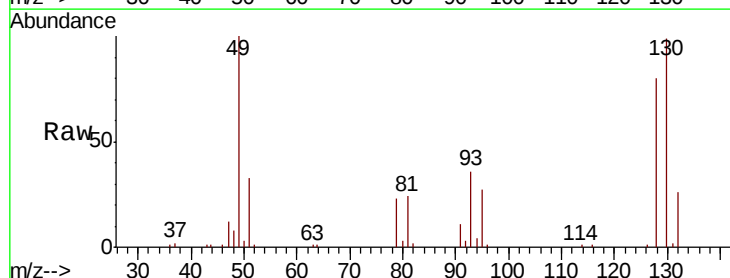
Ion Ratio Lower Upper

128 100

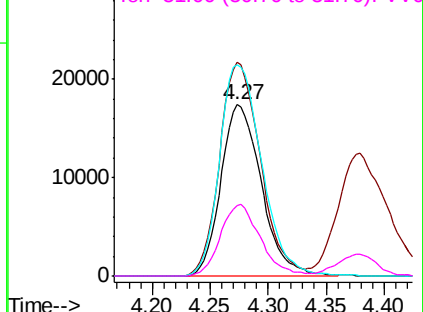
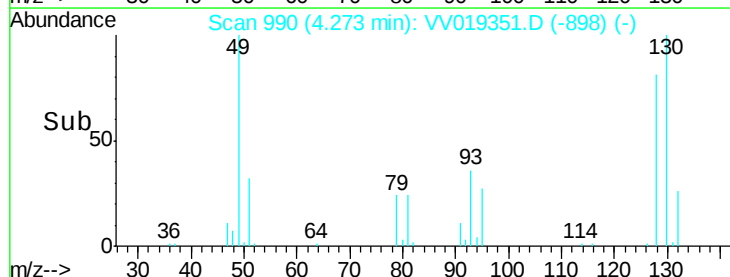
49 124.6 86.2 160.0

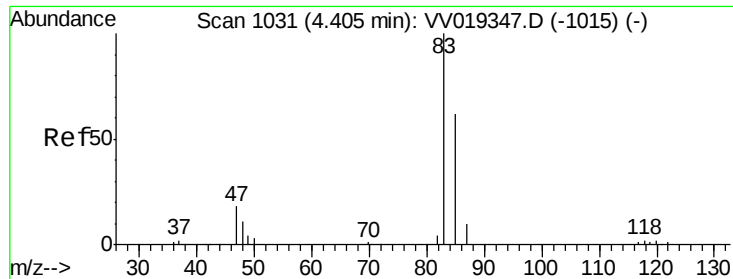
130 123.3 94.0 174.6

51 41.4 30.6 46.0



Abundance Ion 128.00 (127.70 to 128.70): VV019351.D (-898) (-)

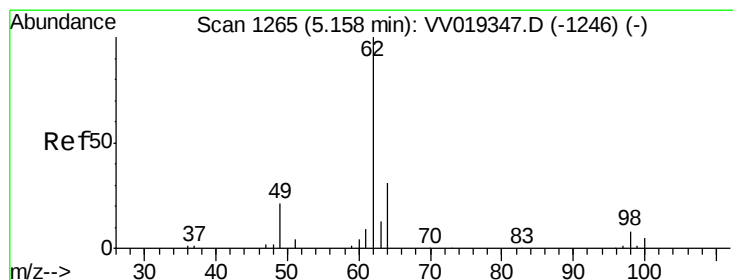
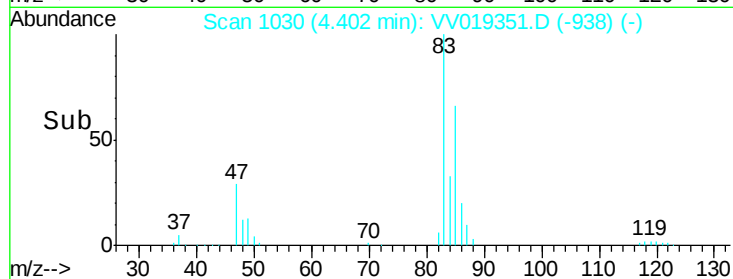
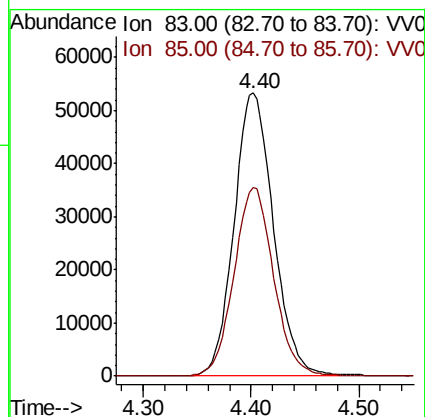
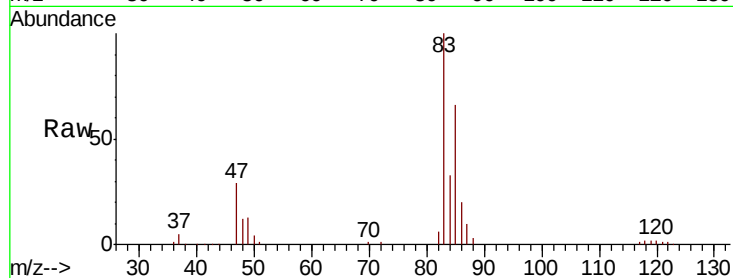




#25
Chloroform
Concen: 51.399 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

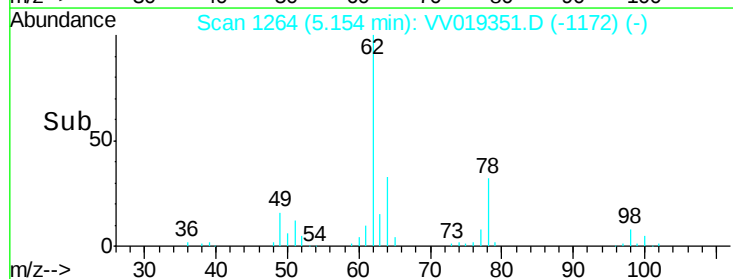
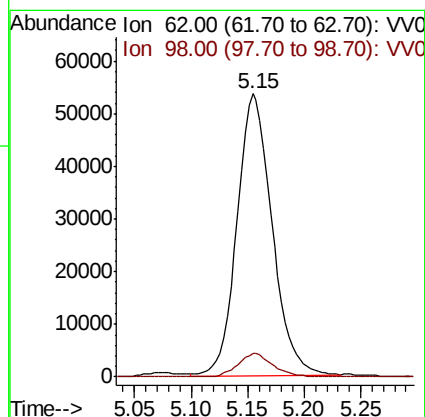
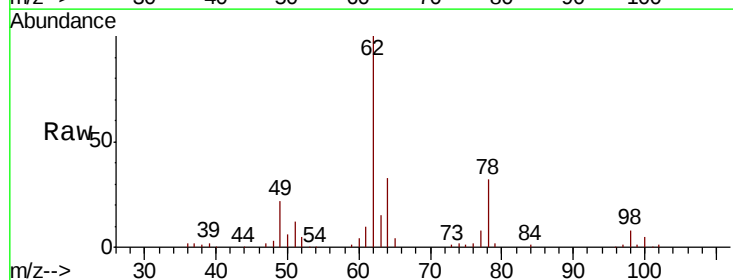
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

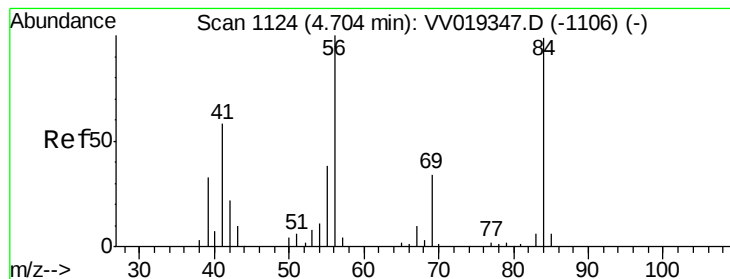
Tot Ion: 83 Resp: 135340
Ion Ratio Lower Upper
83 100
85 66.5 44.0 81.8



#27
1,2-Dichloroethane
Concen: 51.815 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Tgt Ion: 62 Resp: 115581
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 55.147 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

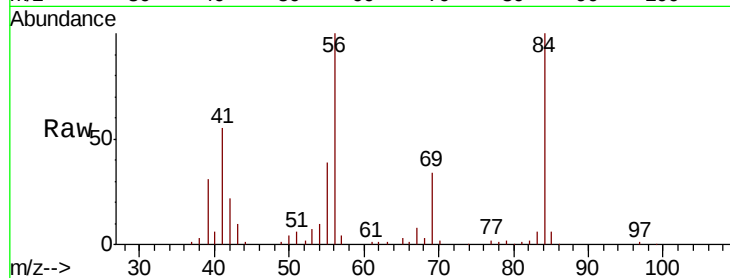
Tot Ion: 56 Resp: 94129

Ion Ratio Lower Upper

56 100

69 33.0 26.7 40.1

84 96.8 79.5 119.3

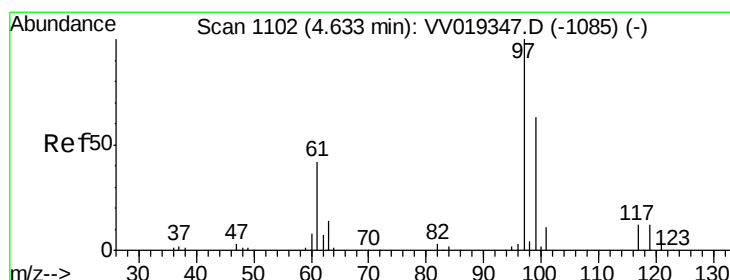
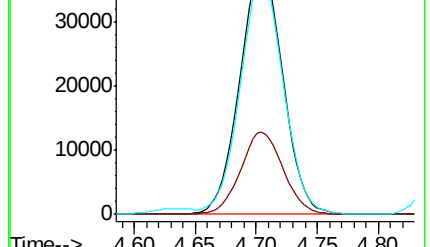
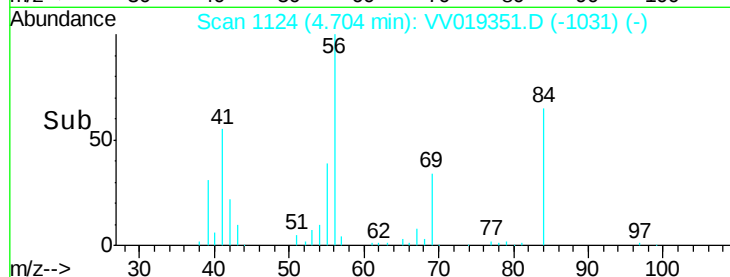


Abundance Ion 56.00 (55.70 to 56.70): VV019351.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV019351.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV019351.D (-1031) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 51.199 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

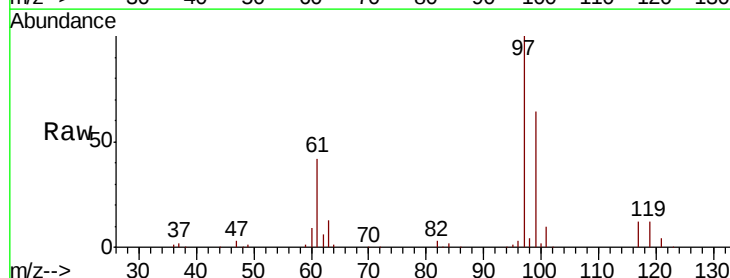
Tgt Ion: 97 Resp: 132818

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.6

61 41.5 33.2 49.8

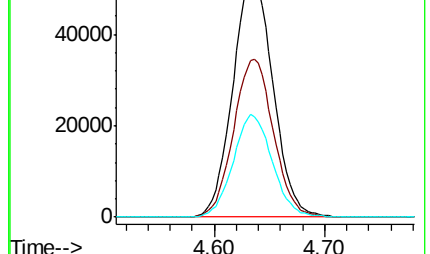
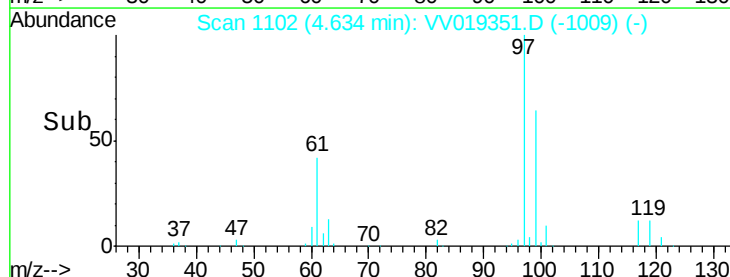


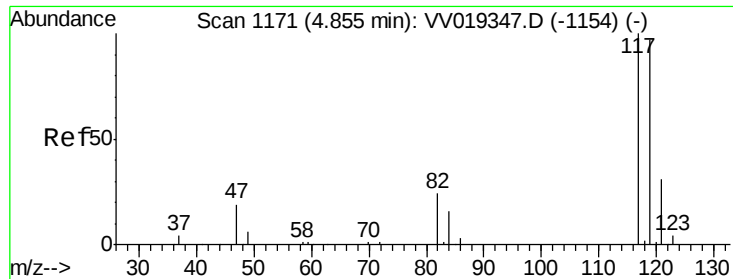
Abundance Ion 97.00 (96.70 to 97.70): VV019351.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV019351.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV019351.D (-1009) (-)

Time-->





#31

Carbon tetrachloride

Concen: 51.976 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

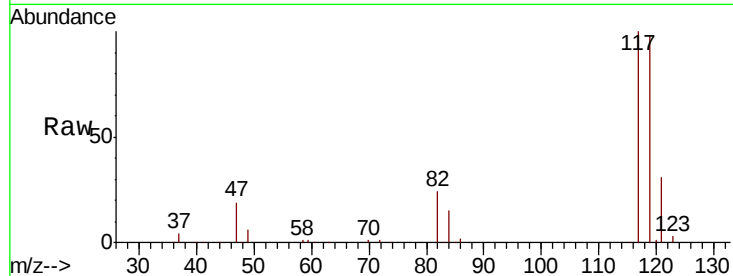
VSTD05095

Tot Ion:117 Resp: 121424

Ion Ratio Lower Upper

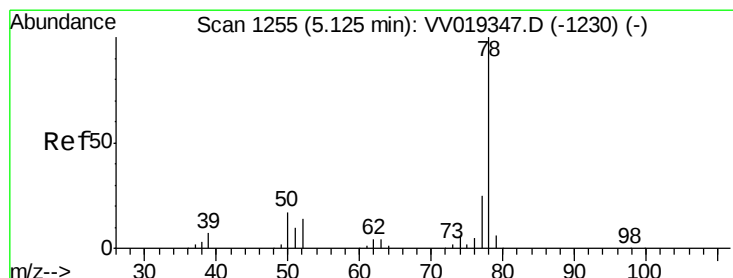
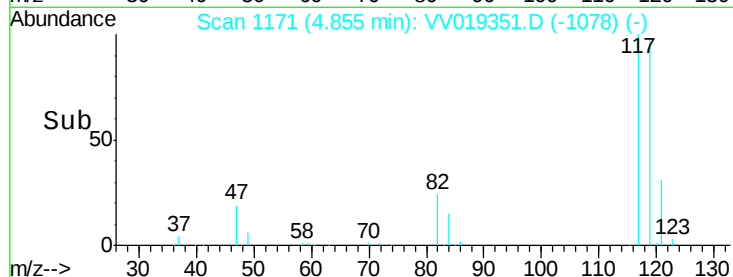
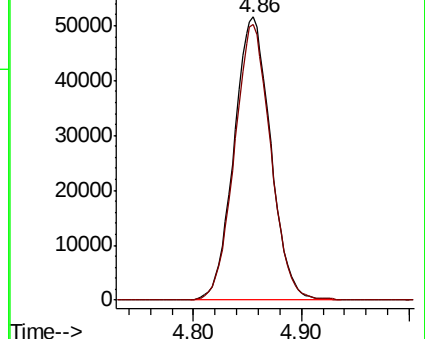
117 100

119 96.1 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.138 ug/L

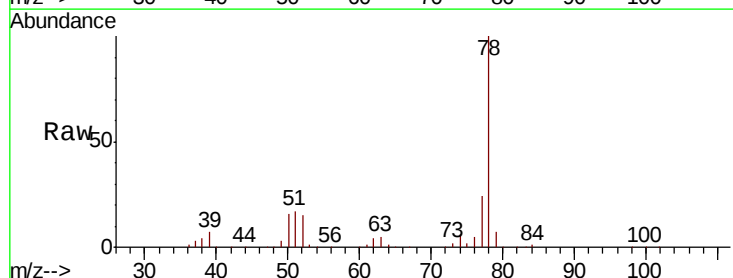
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

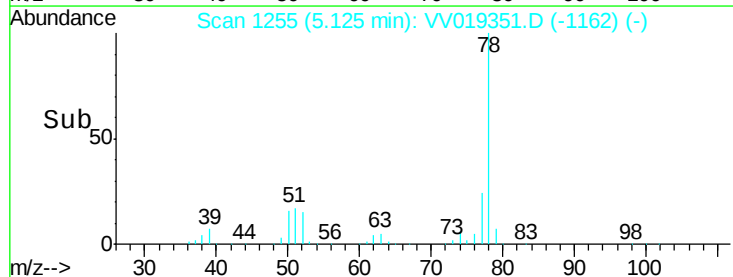
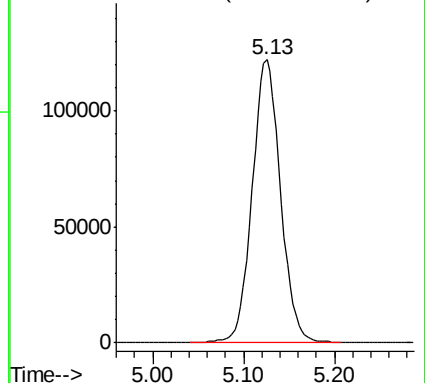
Lab File: VV019351.D

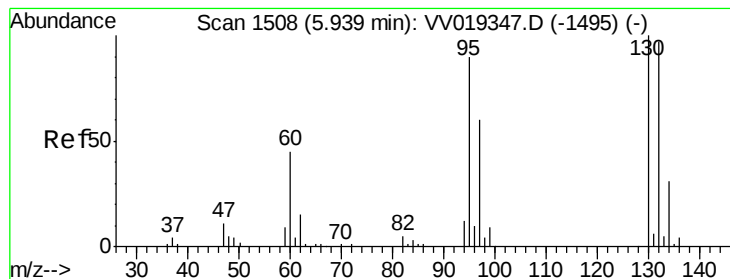
Acq: 12 Nov 2020 14:12

Tgt Ion: 78 Resp: 264721



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.377 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

Tot Ion: 95 Resp: 78695

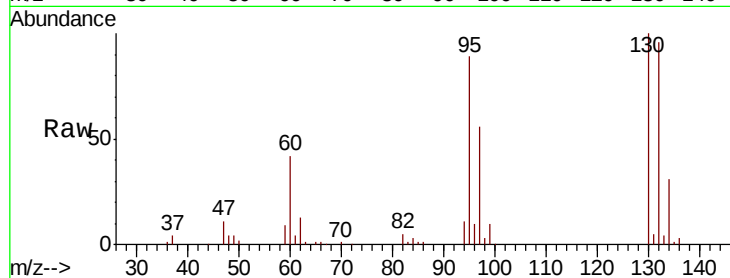
Ion Ratio Lower Upper

95 100

97 62.3 46.8 86.8

132 106.9 75.5 140.3

130 111.9 77.7 144.3

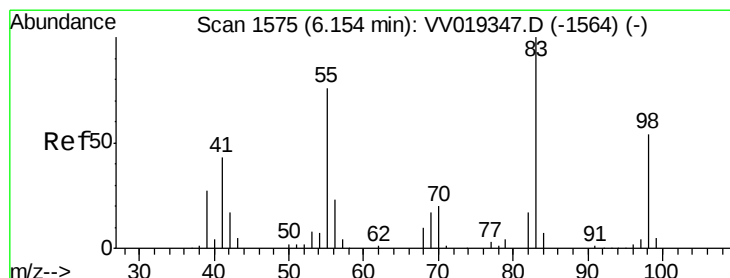
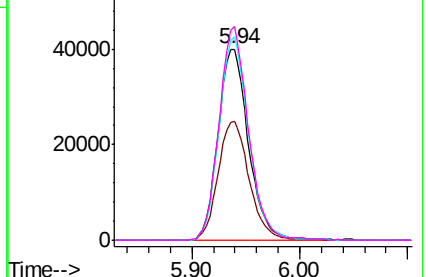
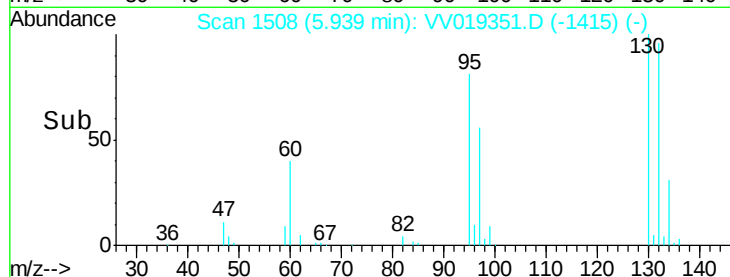


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.827 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

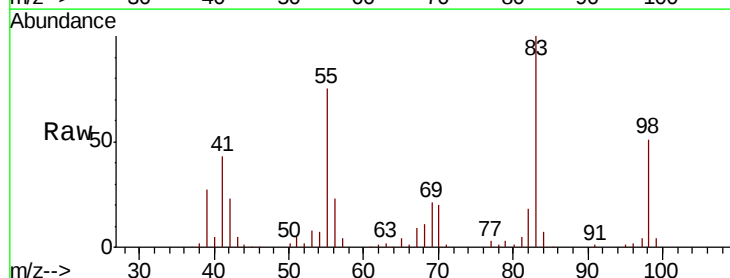
Tgt Ion: 83 Resp: 96234

Ion Ratio Lower Upper

83 100

55 75.6 58.6 88.0

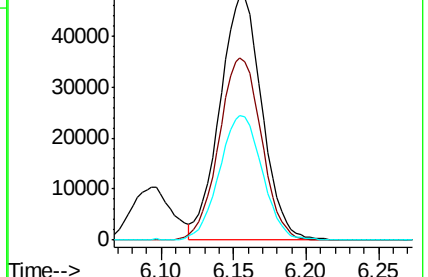
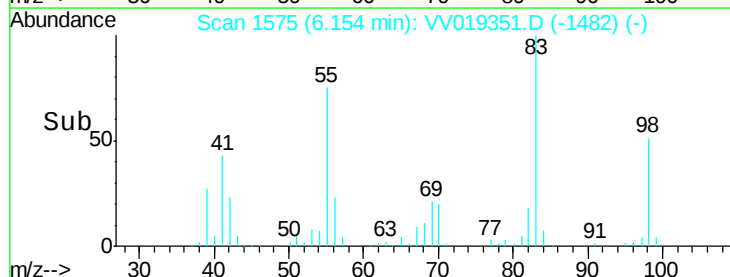
98 52.3 41.4 62.0

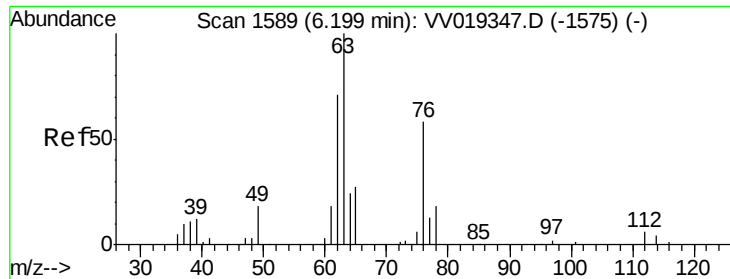


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

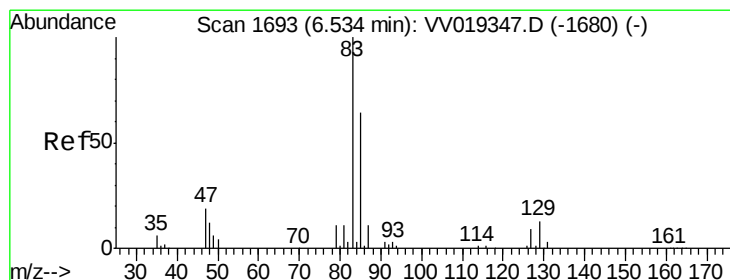
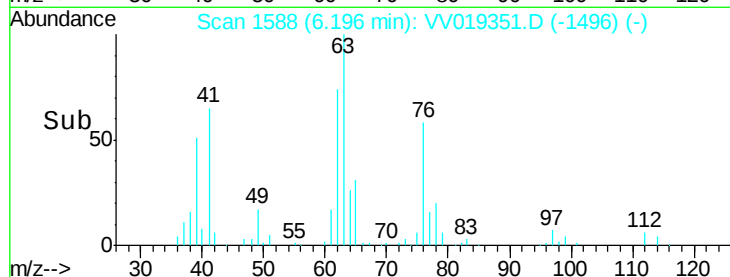
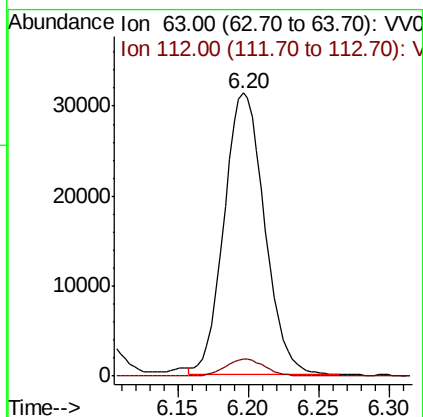
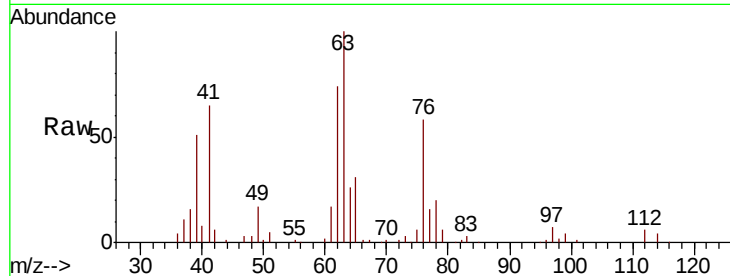




#37
 1,2-Dichloropropane
 Concen: 51.598 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

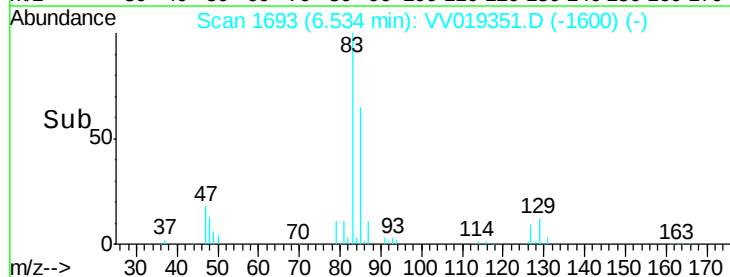
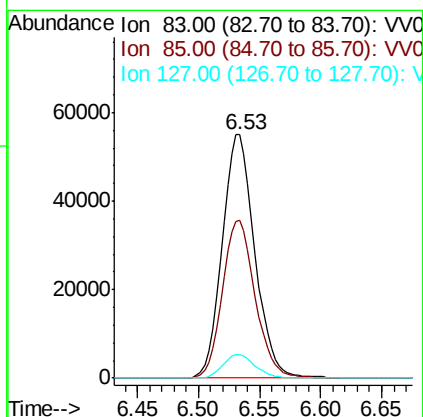
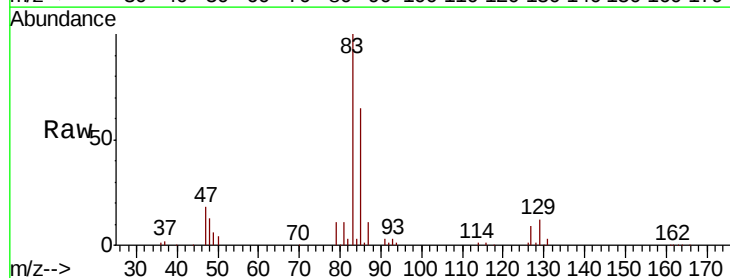
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

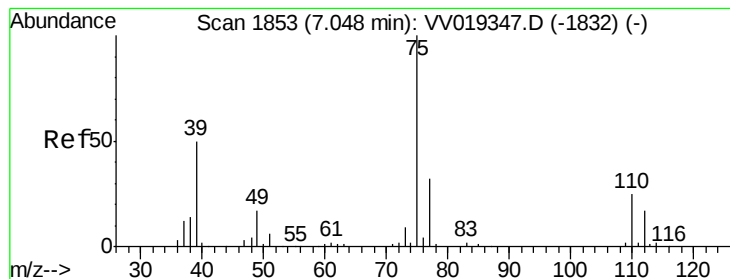
Tot Ion: 63 Resp: 62474
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.6 6.8



#38
 Bromodichloromethane
 Concen: 52.183 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

Tgt Ion: 83 Resp: 102703
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.7
 127 9.4 7.2 10.8



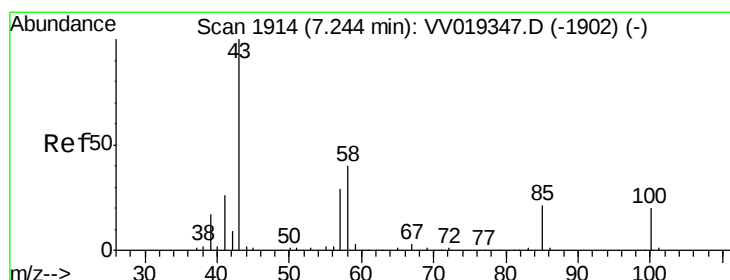
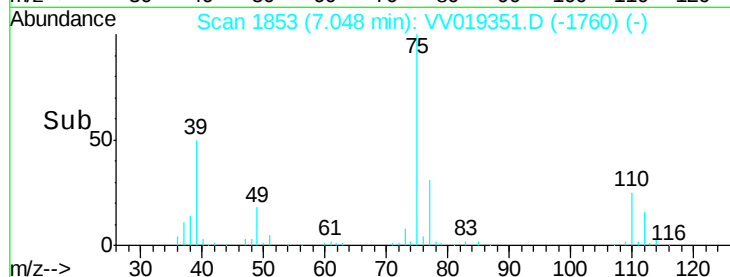
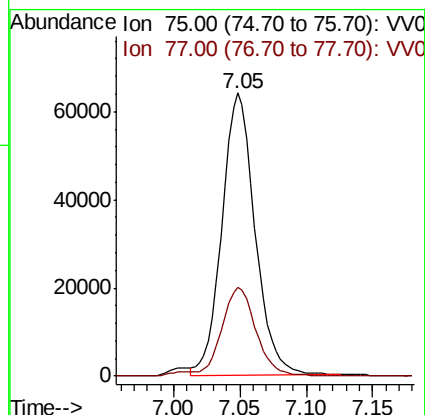
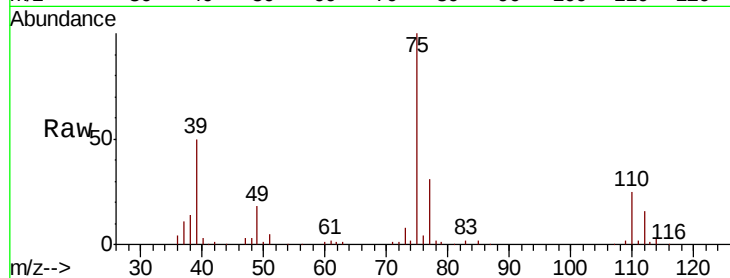


#39

cis-1,3-Dichloropropene
Concen: 53.456 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

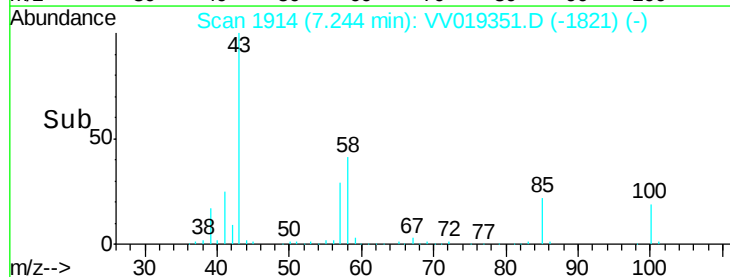
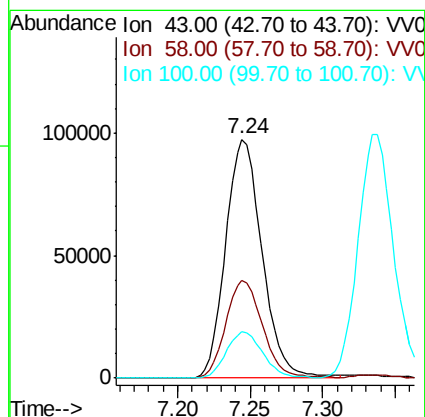
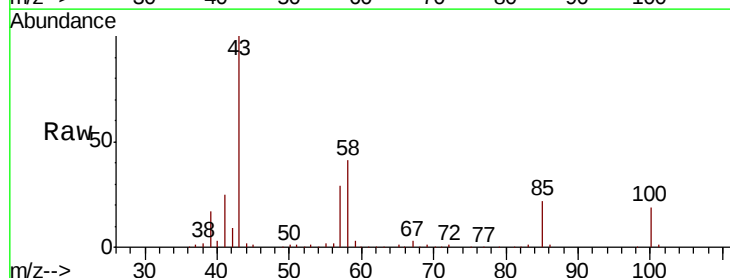
Tot Ion: 75 Resp: 110967
Ion Ratio Lower Upper
75 100
77 31.4 22.7 42.1

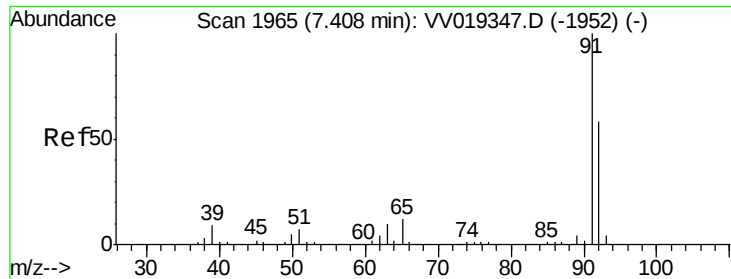


#40

4-Methyl-2-pentanone
Concen: 111.253 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Tgt Ion: 43 Resp: 169968
Ion Ratio Lower Upper
43 100
58 41.2 32.7 49.1
100 19.4 15.9 23.9





#42

Toluene

Concen: 53.049 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

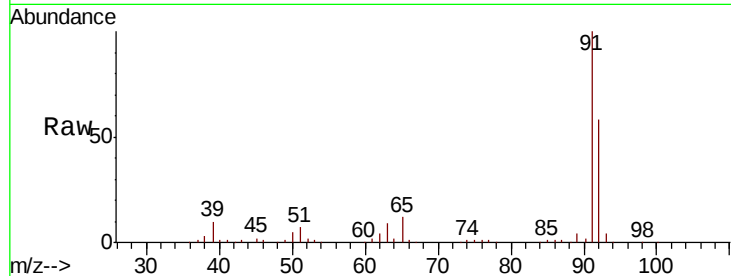
VSTD05095

Tot Ion: 91 Resp: 297285

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

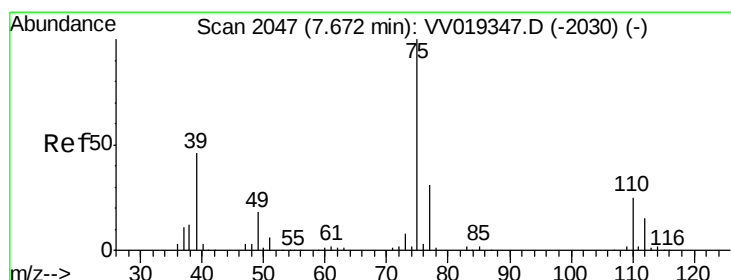
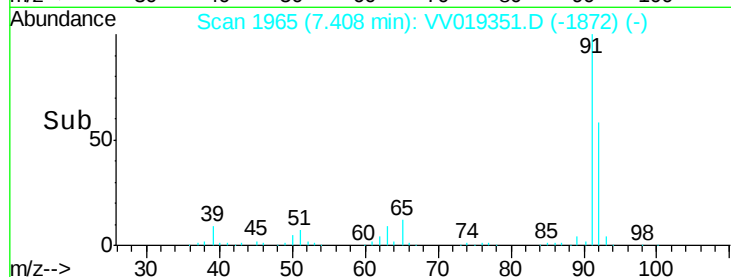
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.058 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019351.D

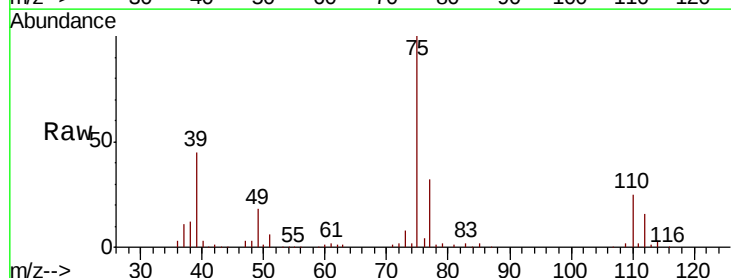
Acq: 12 Nov 2020 14:12

Tgt Ion: 75 Resp: 119527

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

80000

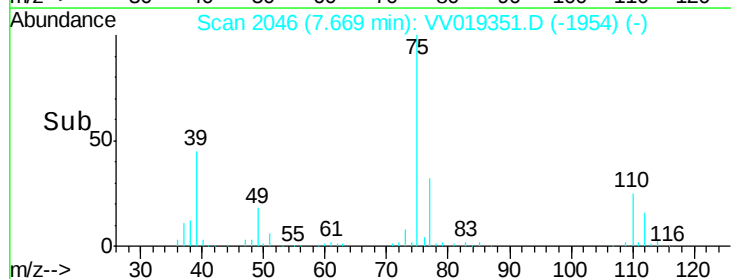
60000

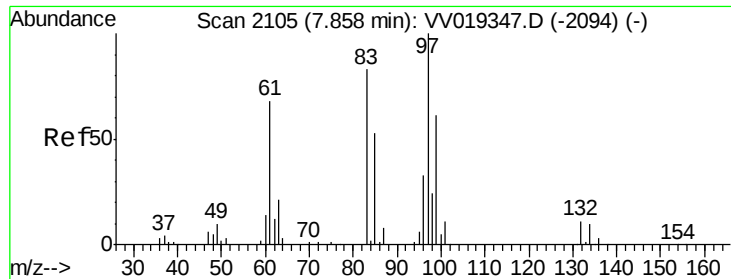
40000

20000

0

Time-->

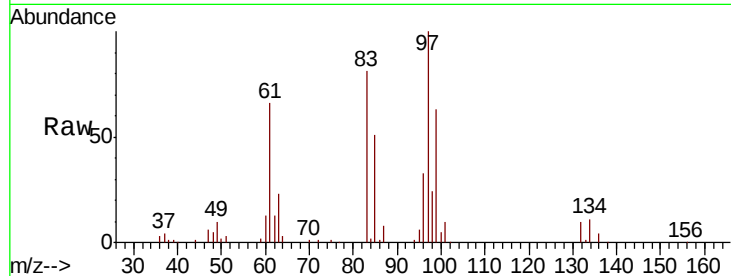




#45
 1,1,2-Trichloroethane
 Concen: 53.812 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

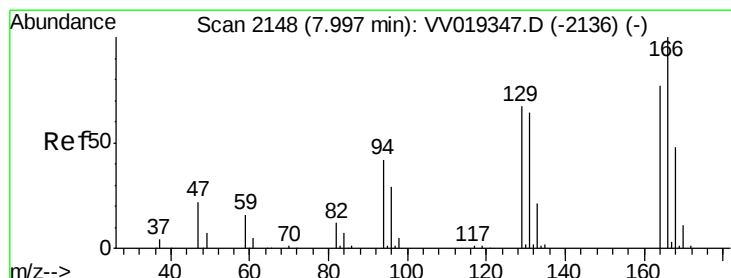
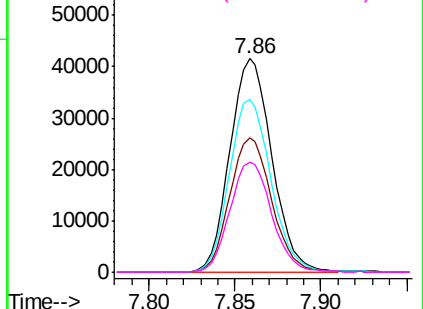
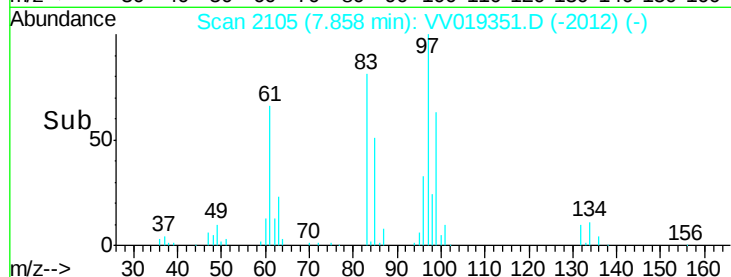
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tot Ion:	97	Resp:	70674
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.5	78.9
83	81.1	58.1	107.9
85	51.4	37.2	69.0



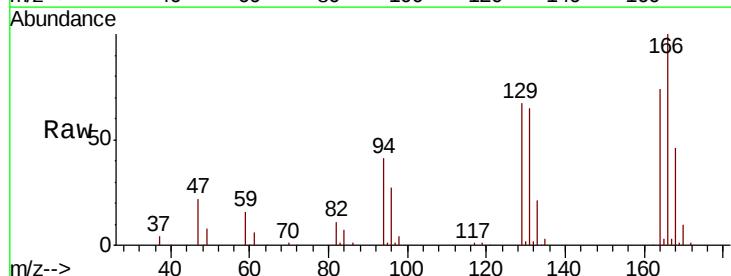
Abundance

Ion 97.00 (96.70 to 97.70): VV019351.D (-2012) (-)



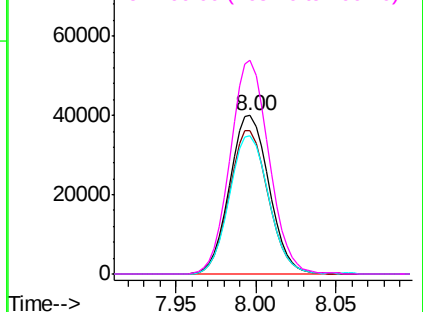
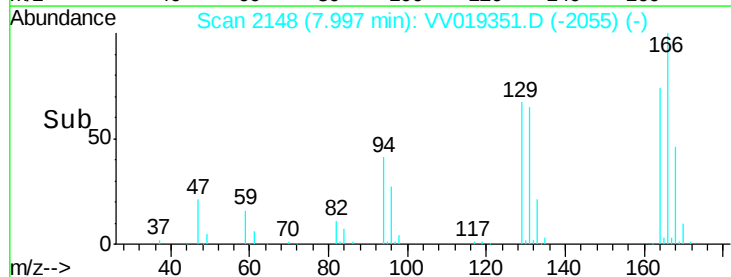
#46
 Tetrachloroethene
 Concen: 51.051 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

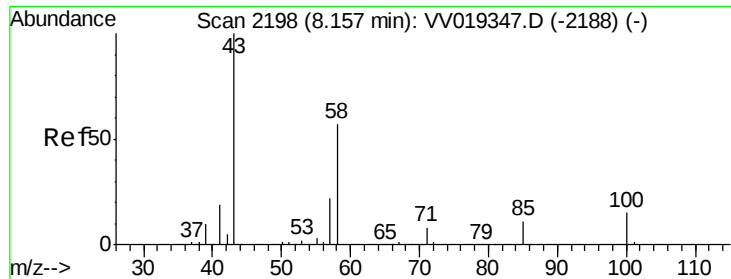
Tgt Ion:	164	Resp:	67565
Ion	Ratio	Lower	Upper
164	100		
129	90.2	60.9	113.1
131	87.2	58.9	109.5
166	134.7	91.4	169.8



Abundance

Ion 164.00 (163.70 to 164.70): VV019351.D (-2055) (-)

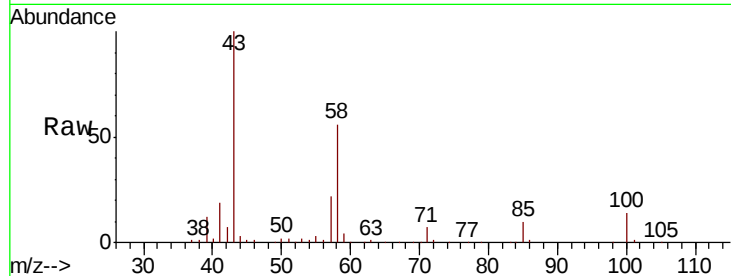




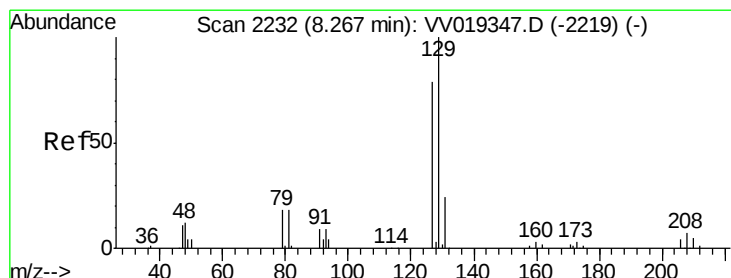
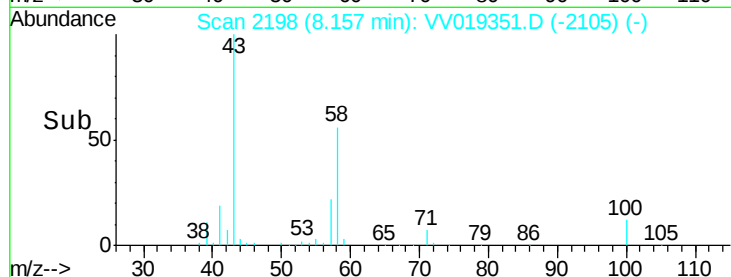
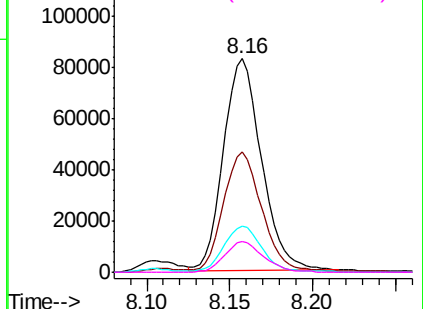
#48
2-Hexanone
Concen: 110.434 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion: 43 Resp: 132224
Ion Ratio Lower Upper
43 100
58 57.6 43.6 65.4
57 22.4 17.2 25.8
100 14.8 11.9 17.9

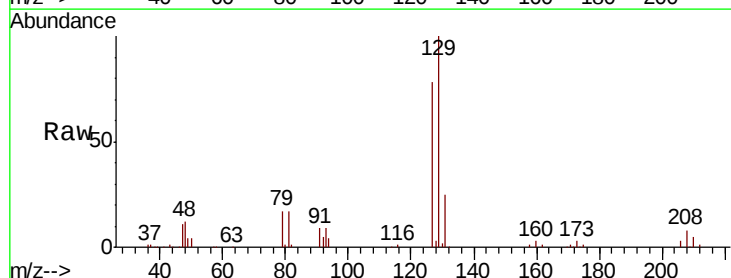


Abundance Ion 43.00 (42.70 to 43.70): VV019351.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019351.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019351.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019351.D (-2105) (-)

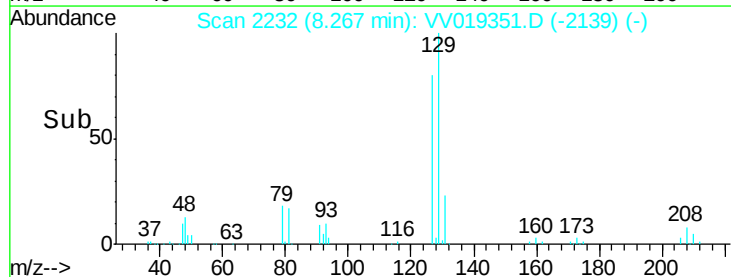
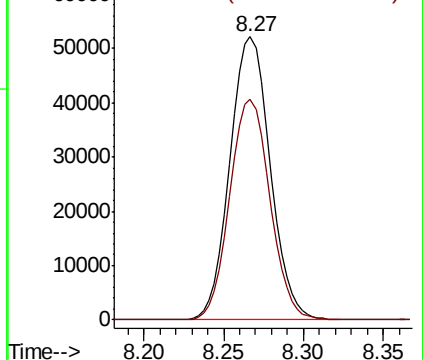


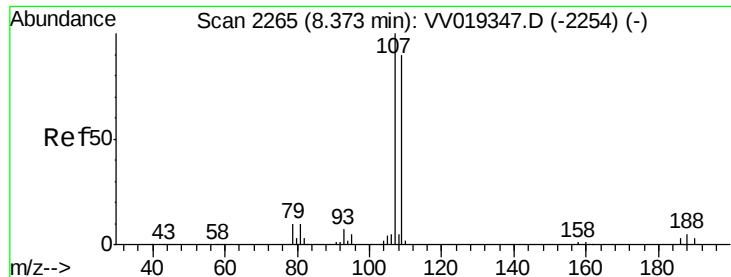
#49
Dibromochloromethane
Concen: 53.247 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Tgt Ion: 129 Resp: 89747
Ion Ratio Lower Upper
129 100
127 78.0 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VV019351.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019351.D (-2139) (-)

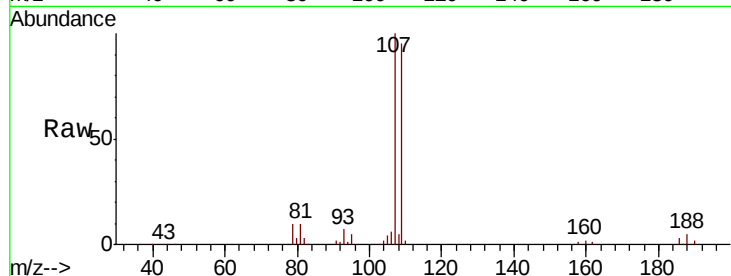




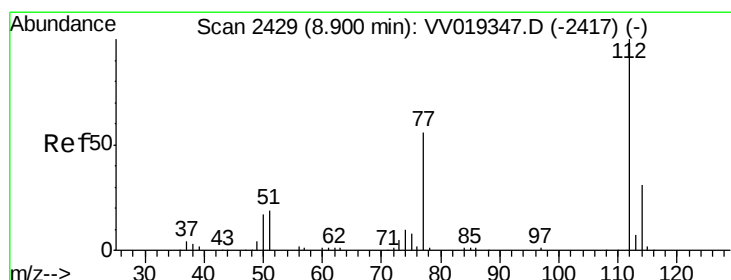
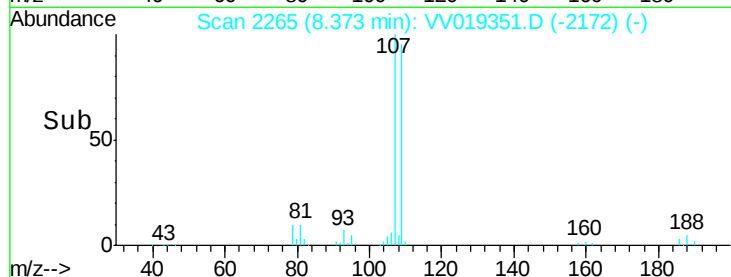
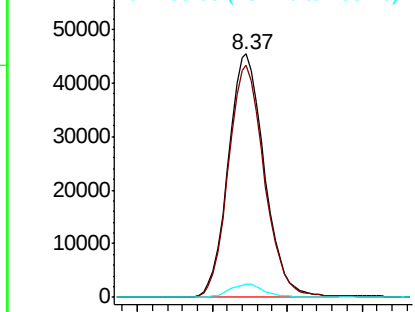
#50
1,2-Dibromoethane
Concen: 53.213 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion:107 Resp: 76460
Ion Ratio Lower Upper
107 100
109 95.1 62.9 116.9
188 5.4 3.6 5.4

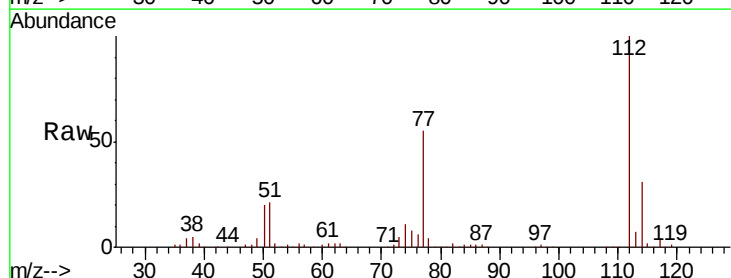


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

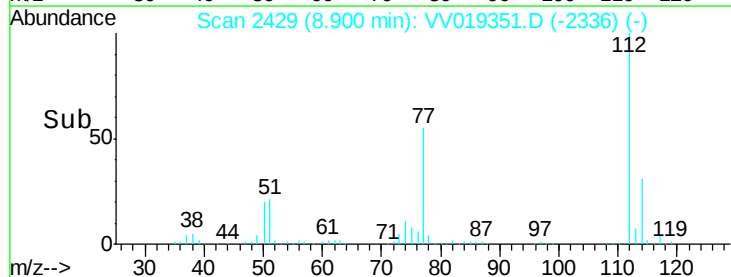
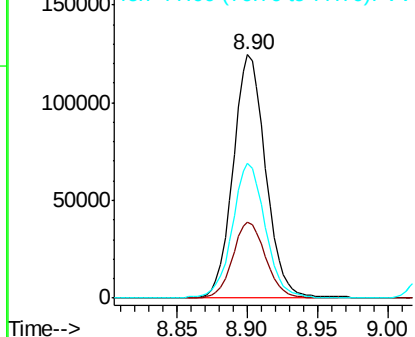


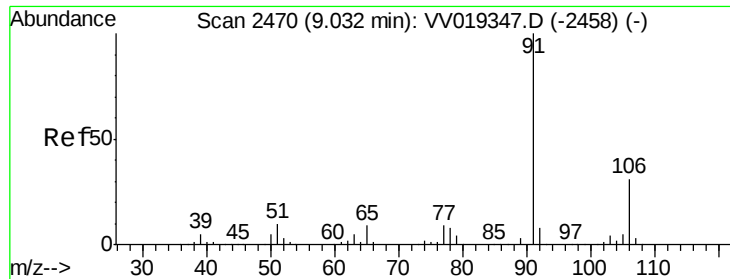
#51
Chlorobenzene
Concen: 52.186 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Tgt Ion:112 Resp: 201118
Ion Ratio Lower Upper
112 100
114 31.2 21.8 40.6
77 55.2 45.1 67.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 53.322 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

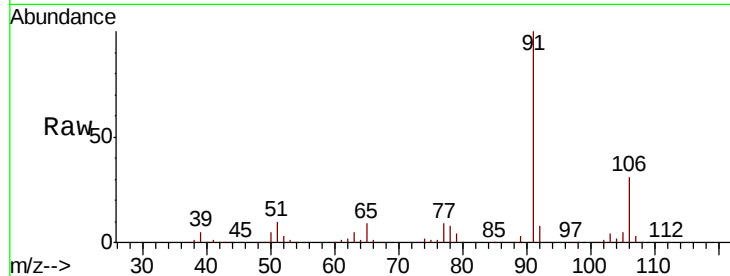
VSTD05095

Tot Ion: 91 Resp: 334179

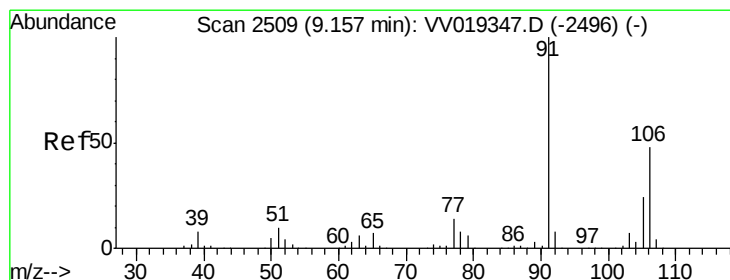
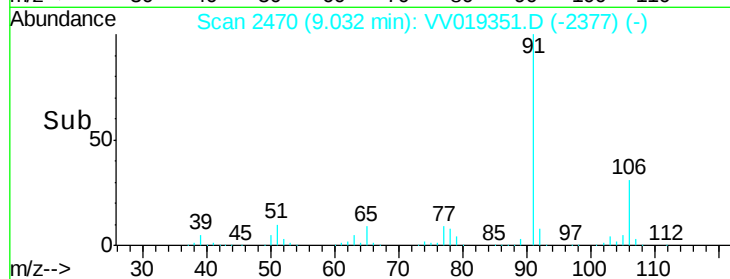
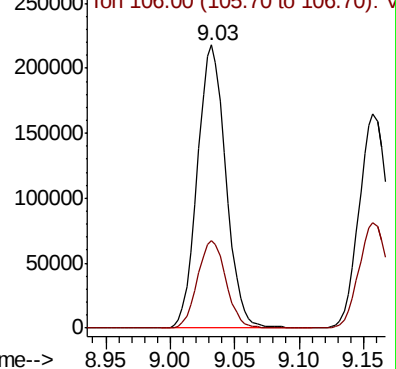
Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV019351.D (-2377) (-)



#53

m,p-Xylene

Concen: 53.714 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019351.D

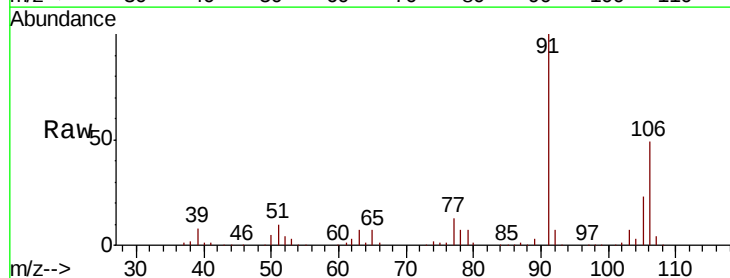
Acq: 12 Nov 2020 14:12

Tgt Ion: 106 Resp: 130355

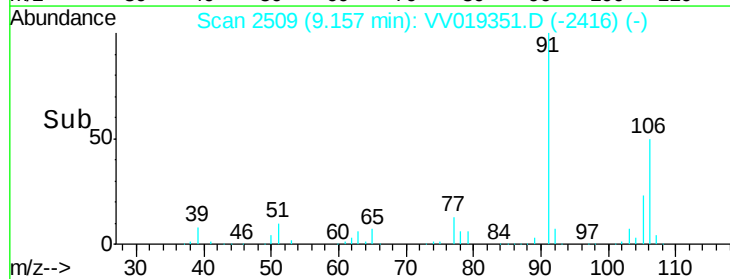
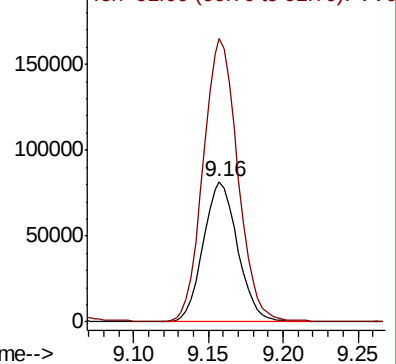
Ion Ratio Lower Upper

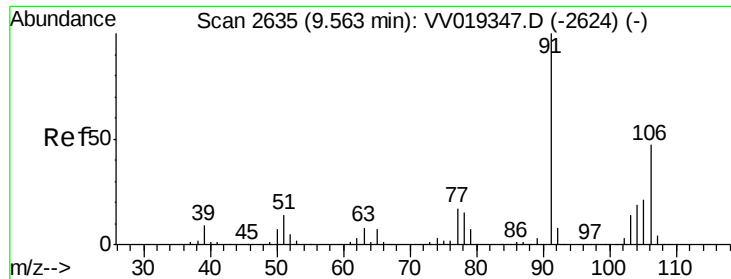
106 100

91 202.0 144.9 269.1



Abundance Ion 106.00 (105.70 to 106.70): VV019351.D (-2416) (-)

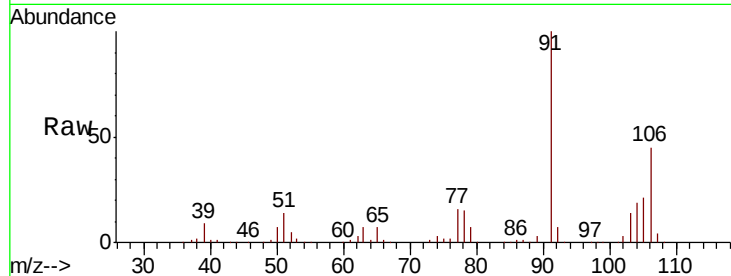




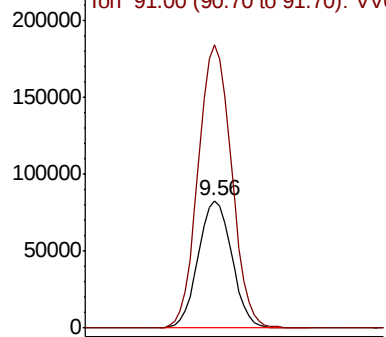
#54
o-xylene
Concen: 53.280 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

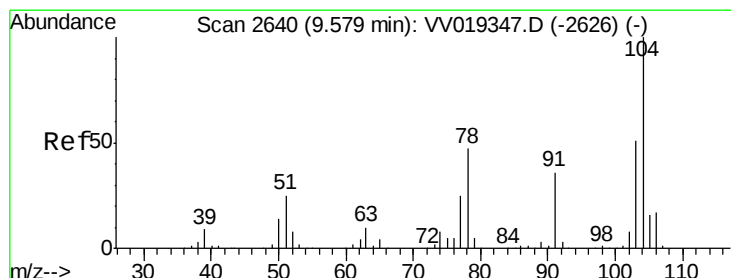
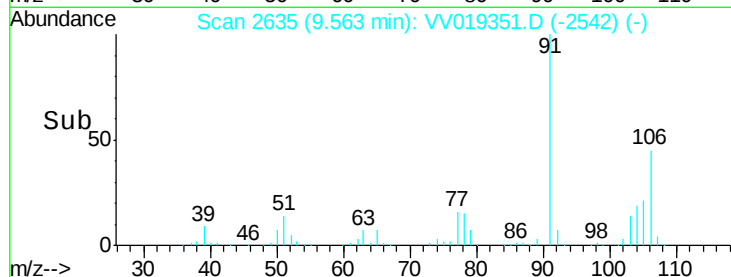
Tot Ion:106 Resp: 125043
Ion Ratio Lower Upper
106 100
91 221.6 149.3 277.3



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

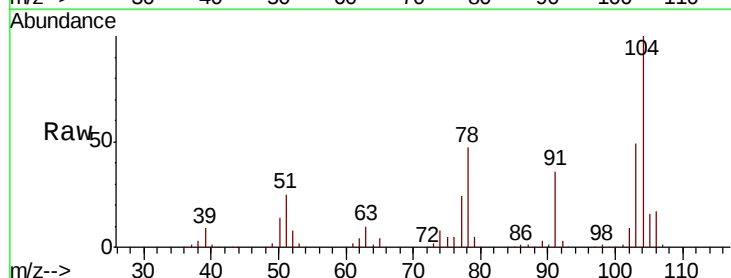


Time-->

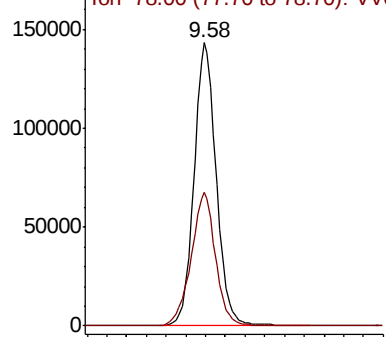


#55
Styrene
Concen: 54.578 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019351.D
Acq: 12 Nov 2020 14:12

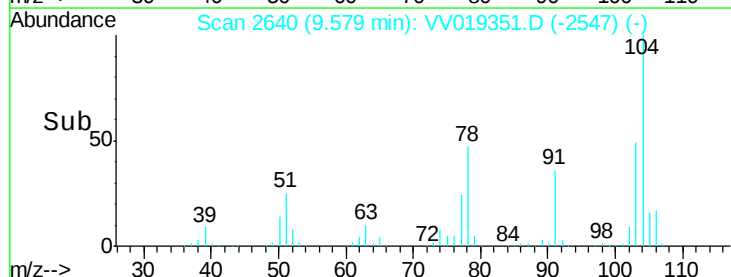
Tgt Ion:104 Resp: 226520
Ion Ratio Lower Upper
104 100
78 47.2 33.0 61.2

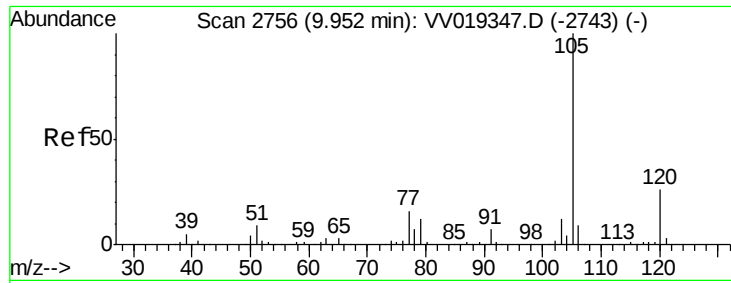


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 53.202 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

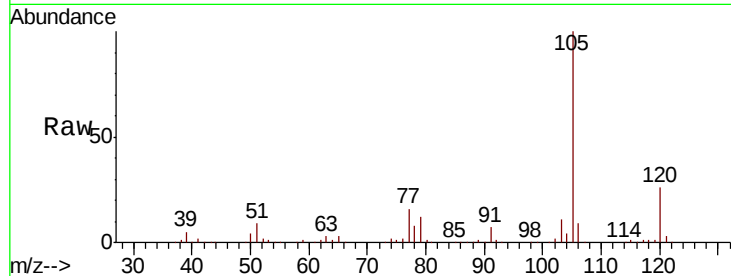
Tot Ion:105 Resp: 335255

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

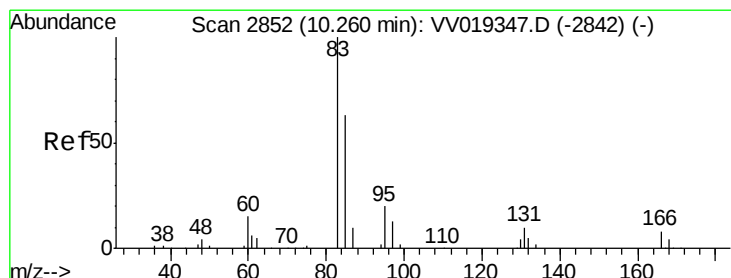
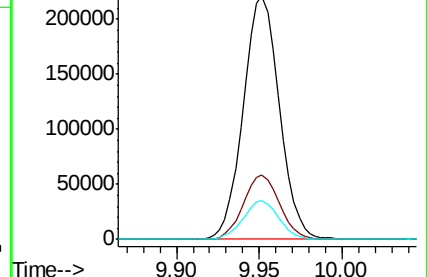
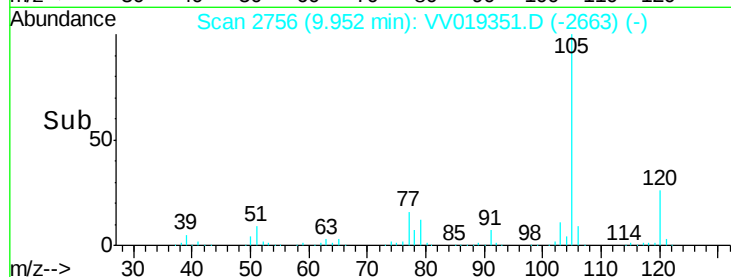
77 15.9 12.6 18.8



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: 54.523 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

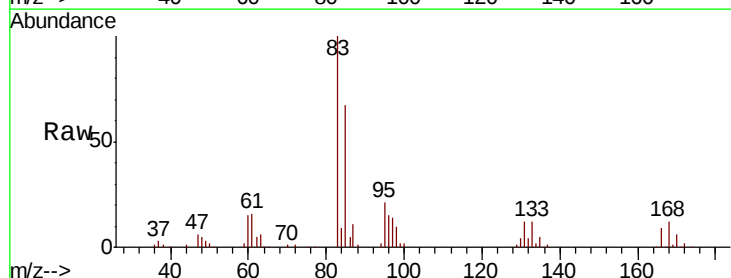
Tgt Ion: 83 Resp: 97847

Ion Ratio Lower Upper

83 100

85 67.2 45.1 83.9

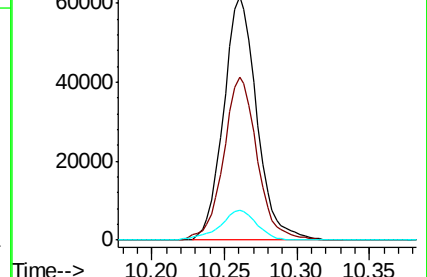
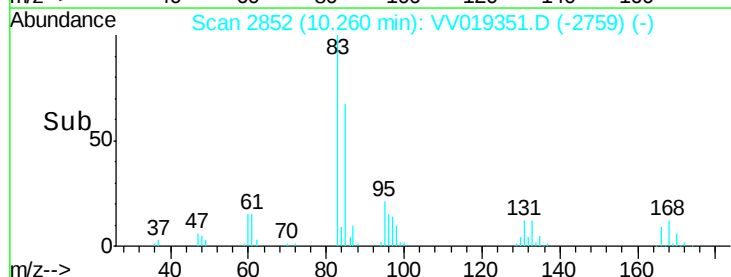
131 12.4 9.6 14.4

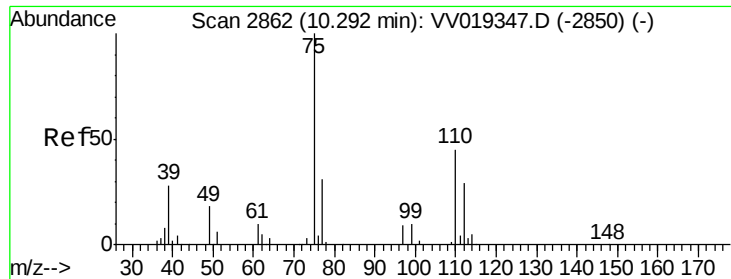


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.968 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

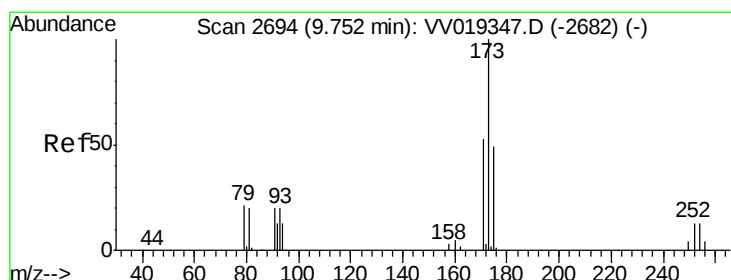
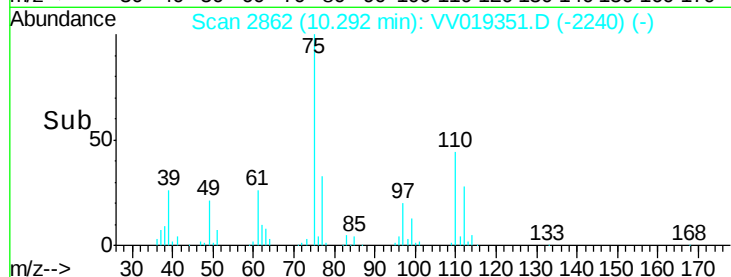
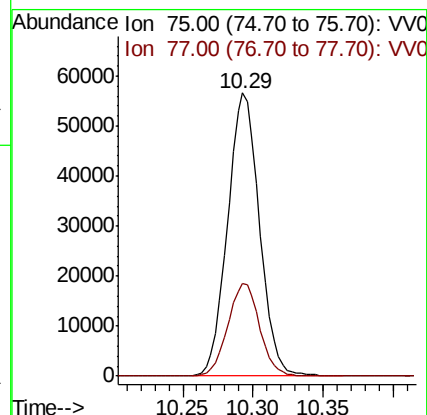
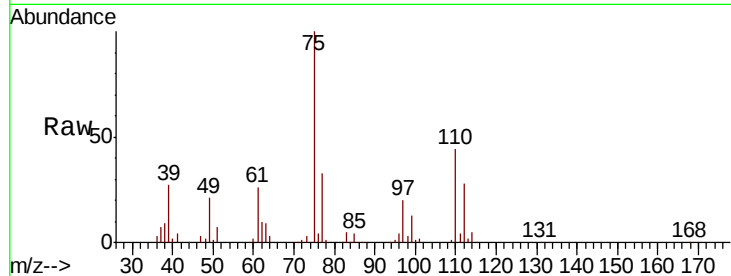
VSTD05095

Tot Ion: 75 Resp: 89237

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4



#61

Bromoform

Concen: 52.885 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

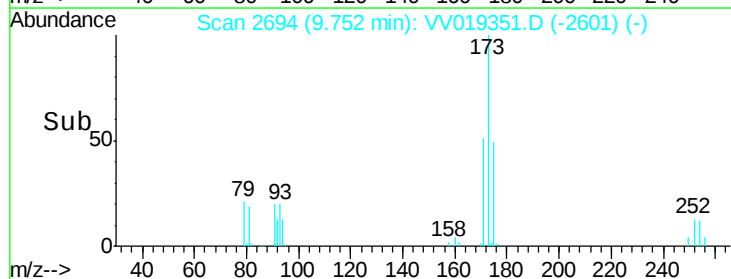
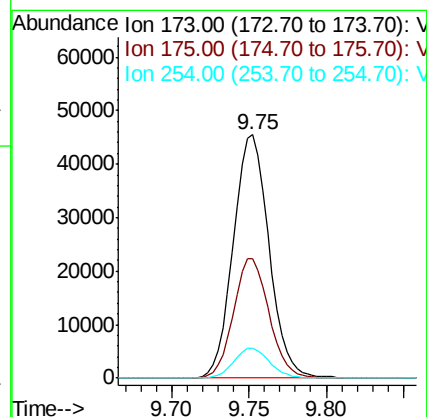
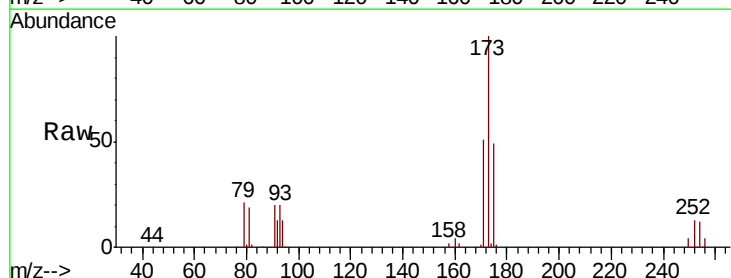
Tgt Ion: 173 Resp: 72955

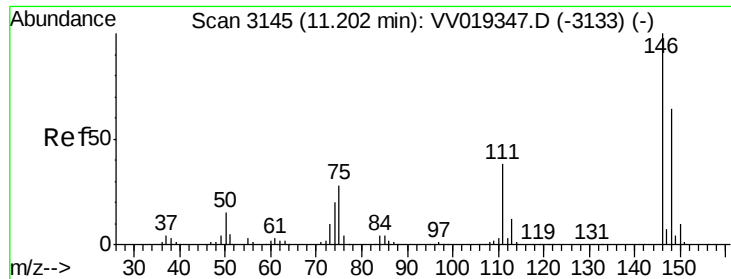
Ion Ratio Lower Upper

173 100

175 48.8 38.3 57.5

254 12.3 10.3 15.5





#62

1,3-Dichlorobenzene

Concen: 52.726 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

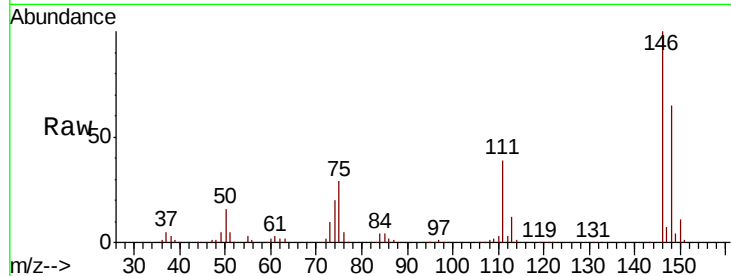
Tot Ion:146 Resp: 179497

Ion Ratio Lower Upper

146 100

111 39.2 26.5 49.3

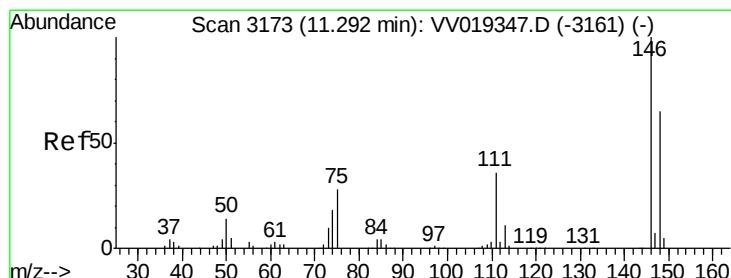
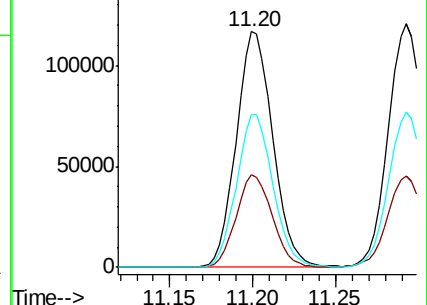
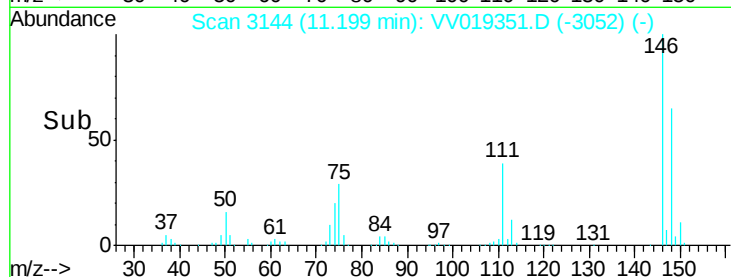
148 64.7 44.5 82.7



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: 51.764 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

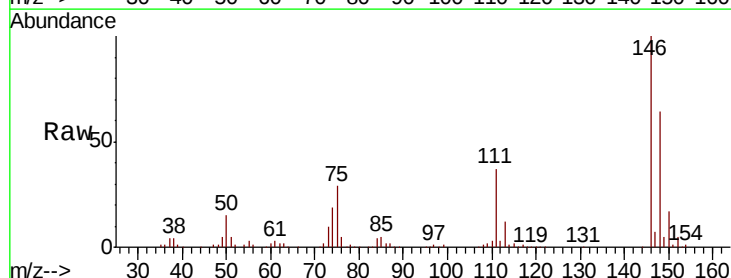
Tgt Ion:146 Resp: 184347

Ion Ratio Lower Upper

146 100

111 37.5 25.1 46.7

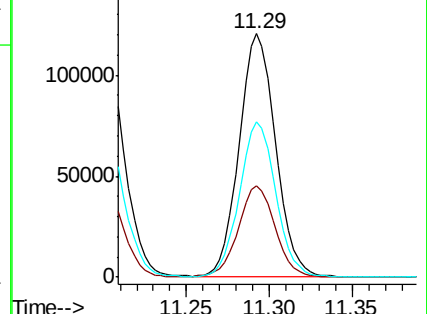
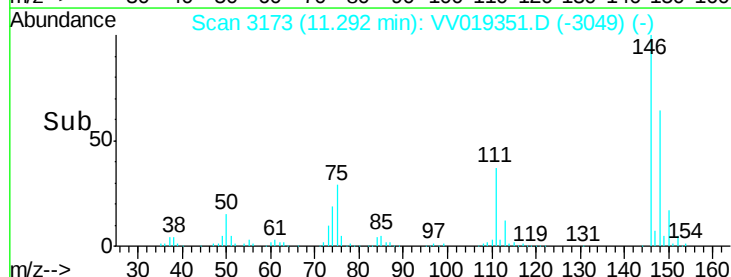
148 63.8 45.4 84.4

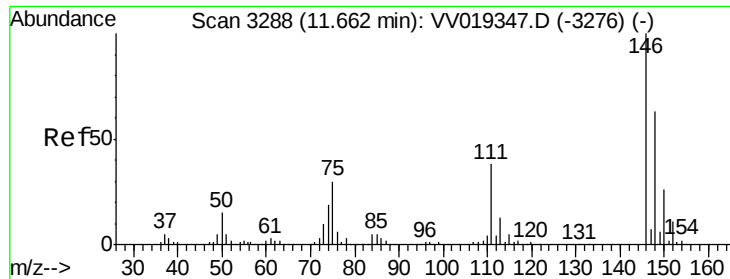


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.468 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

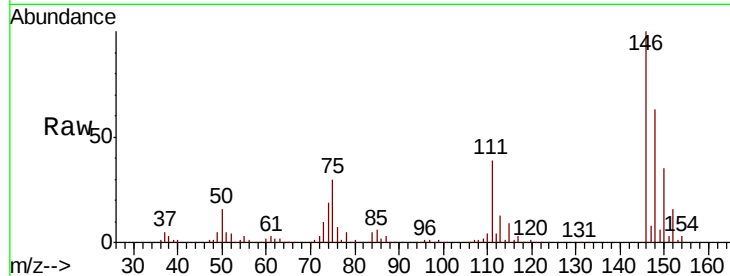
Tot Ion:146 Resp: 180728

Ion Ratio Lower Upper

146 100

111 38.9 30.6 45.8

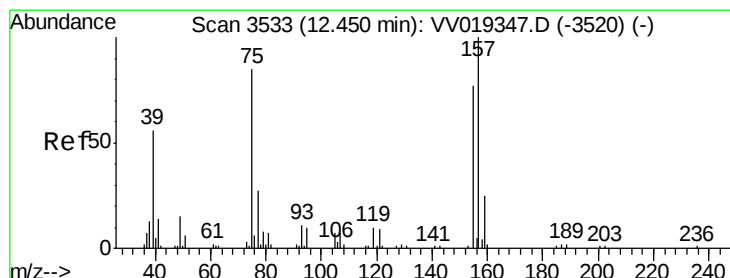
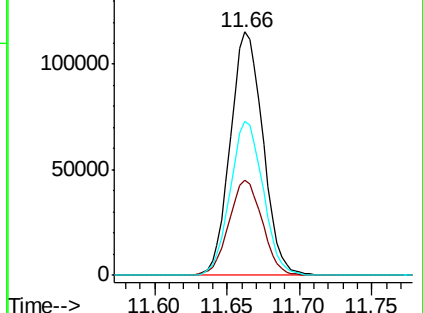
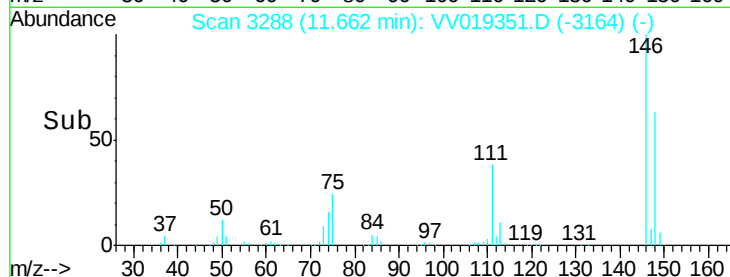
148 63.4 50.6 75.8



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: 55.961 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

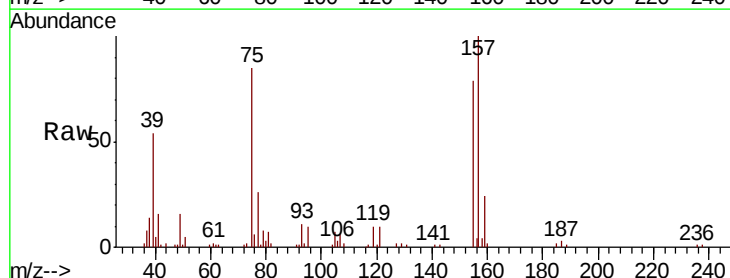
Tgt Ion: 75 Resp: 27842

Ion Ratio Lower Upper

75 100

155 92.8 72.2 108.2

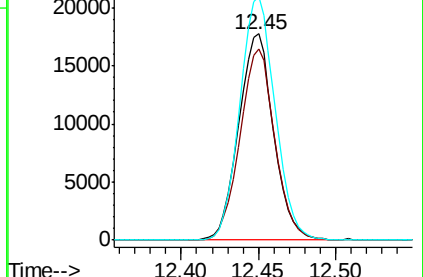
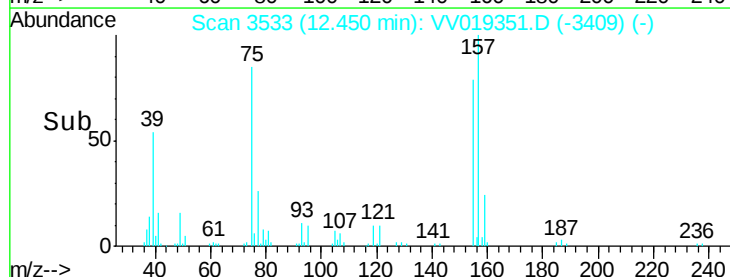
157 118.0 94.1 141.1

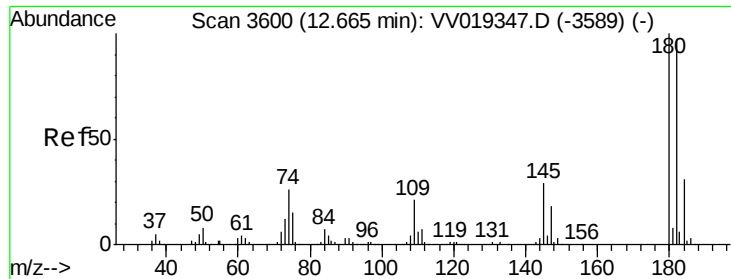


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

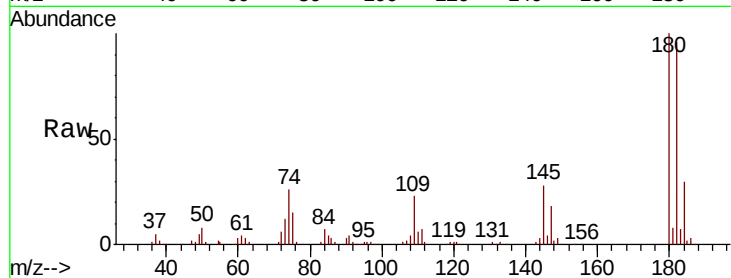




#67
 1,3,5-Trichlorobenzene
 Concen: 52.435 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.8	24.6	36.8
145	28.3	22.4	33.6

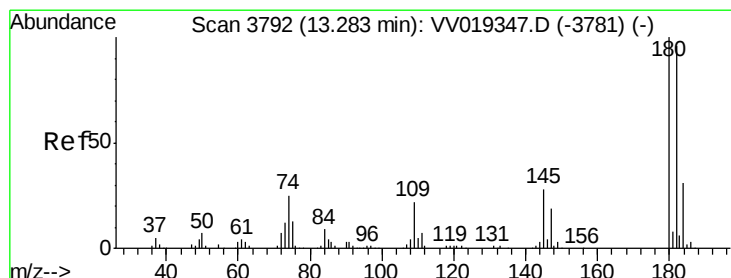
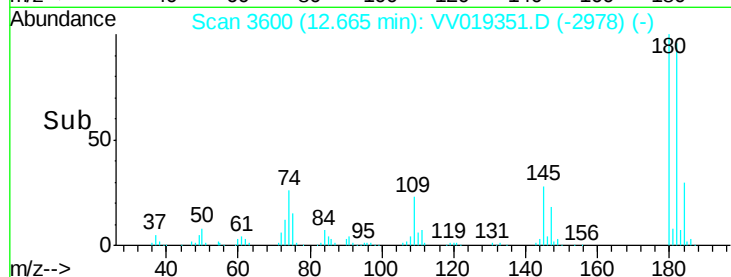
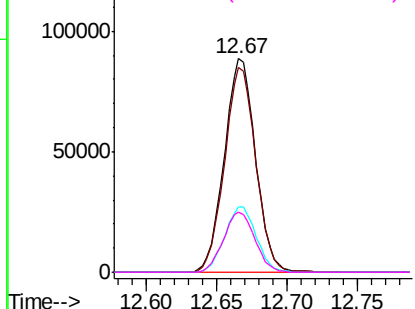


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

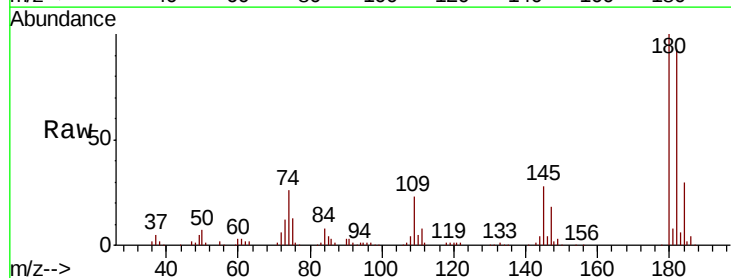
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.177 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019351.D
 Acq: 12 Nov 2020 14:12

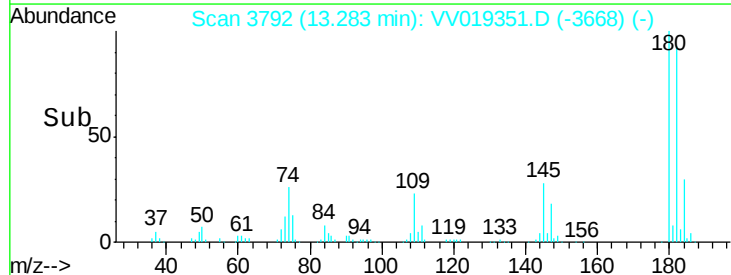
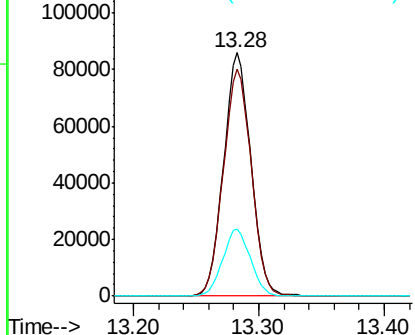
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
145	27.9	22.5	33.7

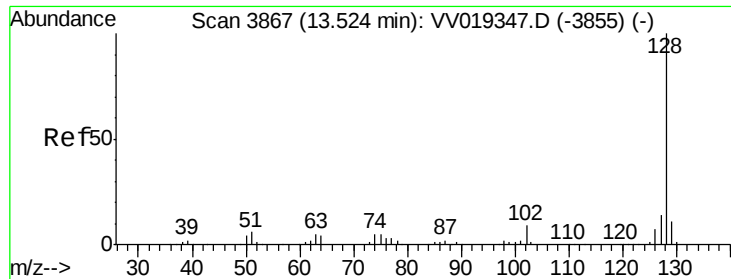


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 58.573 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

Instrument :

MSVOA_V

ClientSampled :

VSTD05095

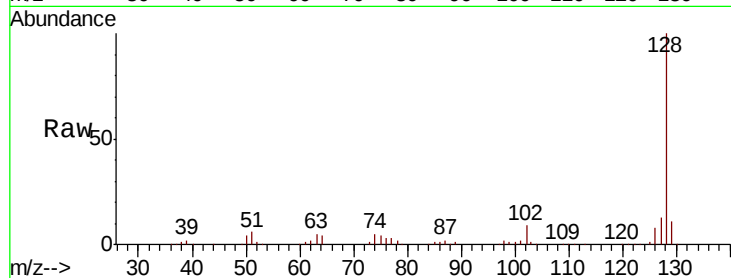
Tot Ion:128 Resp: 324761

Ion Ratio Lower Upper

128 100

127 13.3 10.9 16.3

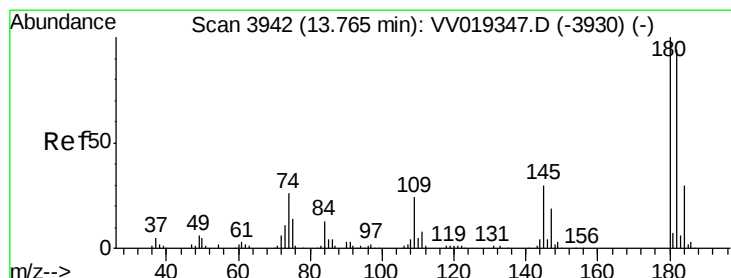
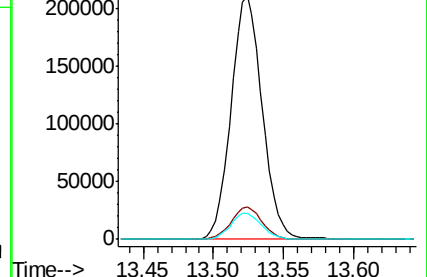
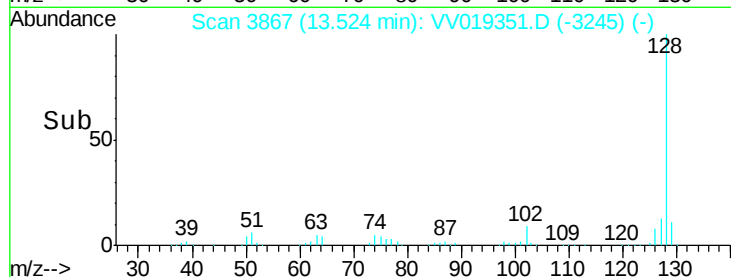
129 10.7 8.7 13.1



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: 55.484 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019351.D

Acq: 12 Nov 2020 14:12

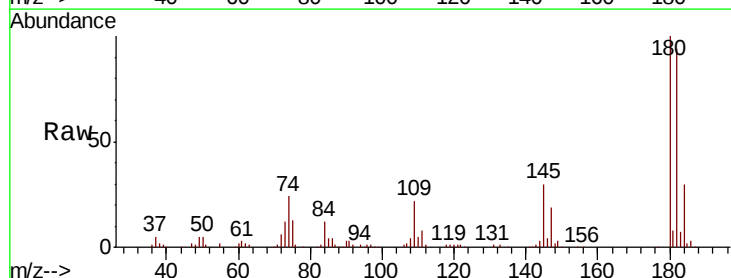
Tgt Ion:180 Resp: 131075

Ion Ratio Lower Upper

180 100

182 94.4 76.0 114.0

145 29.9 24.2 36.2



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

