

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
 Data File : VV018555.D
 Acq On : 30 Sep 2020 09:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Oct 01 07:36:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 04:50:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	373460	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	364497	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	202568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107740	49.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.38%
7) Chloroethane-d5	1.58	69	101356	55.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.94%
11) 1,1-Dichloroethene-d2	2.12	63	237945	53.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.64%
21) 2-Butanone-d5	3.91	46	169940	104.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.02%
24) Chloroform-d	4.37	84	240619	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.05	65	154150	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
32) Benzene-d6	5.07	84	464252	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
36) 1,2-Dichloropropane-d6	6.09	67	143564	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.92%
41) Toluene-d8	7.33	98	448088	51.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.18%
43) trans-1,3-Dichloropropene-	7.64	79	77267	51.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.54%
47) 2-Hexanone-d5	8.11	63	113859	107.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.46%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	191716	51.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	196215	50.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	125379	49.375	ug/L 100
3) Chloromethane	1.25	50	132823	48.884	ug/L 99
5) Vinyl chloride	1.32	62	140619	49.224	ug/L 99
6) Bromomethane	1.53	94	105435	54.228	ug/L 99
8) Chloroethane	1.60	64	99306	56.411	ug/L 98
9) Trichlorofluoromethane	1.77	101	226112	52.078	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	130637	53.758	ug/L 99
12) 1,1-Dichloroethene	2.13	96	123621	53.026	ug/L 95
13) Acetone	2.20	43	152794	108.249	ug/L 98
14) Carbon disulfide	2.31	76	361376	47.851	ug/L 99
15) Methyl Acetate	2.45	43	130304	47.918	ug/L 100
16) Methylene chloride	2.52	84	135021	48.255	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	131932	49.456	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	405690	49.914	ug/L 99
19) 1,1-Dichloroethane	3.21	63	230490	49.347	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	142742	50.349	ug/L 99
22) 2-Butanone	4.00	43	191435	107.361	ug/L 99

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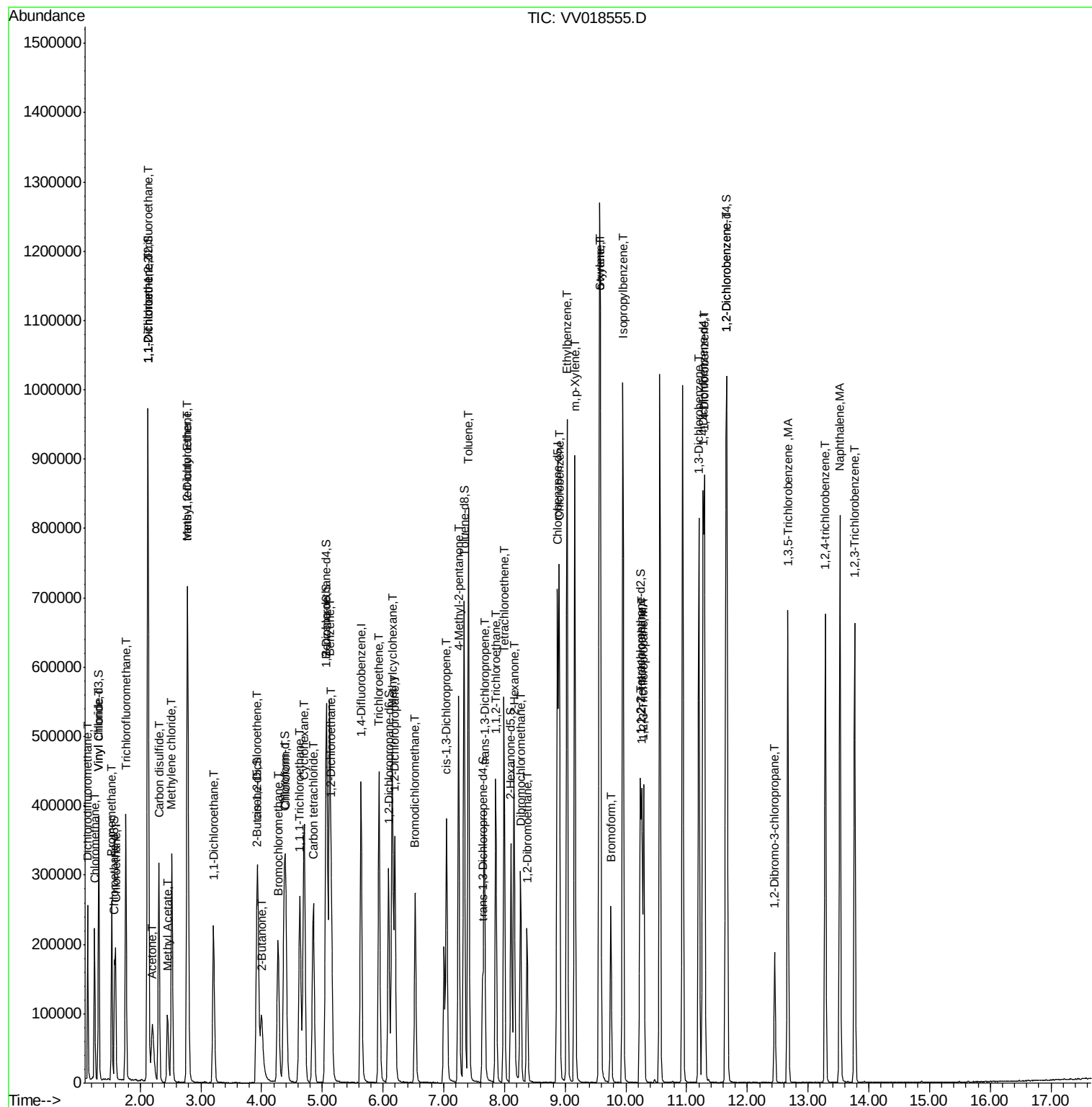
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	76605	49.138	ug/L	97
25) Chloroform	4.40	83	242554	49.180	ug/L	98
27) 1,2-Dichloroethane	5.15	62	191613	49.845	ug/L	99
29) Cyclohexane	4.70	56	206565	49.689	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	219964	48.610	ug/L	99
31) Carbon tetrachloride	4.85	117	197467	48.623	ug/L	99
33) Benzene	5.12	78	529663	49.462	ug/L	100
34) Trichloroethene	5.93	95	151078	48.596	ug/L	98
35) Methylcyclohexane	6.15	83	200730	47.864	ug/L	100
37) 1,2-Dichloropropane	6.19	63	134355	48.903	ug/L	99
38) Bromodichloromethane	6.53	83	181228	49.256	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	222282	51.568	ug/L	96
40) 4-Methyl-2-pentanone	7.24	43	356342	100.516	ug/L	100
42) Toluene	7.41	91	576559	49.771	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	215658	50.931	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	133548	49.103	ug/L	98
46) Tetrachloroethene	7.99	164	124023	49.174	ug/L	99
48) 2-Hexanone	8.15	43	286506	103.580	ug/L	99
49) Dibromochloromethane	8.27	129	154396	49.633	ug/L	99
50) 1,2-Dibromoethane	8.37	107	142279	49.203	ug/L	97
51) Chlorobenzene	8.90	112	389452	49.695	ug/L	99
52) Ethylbenzene	9.03	91	644781	49.840	ug/L	100
53) m,p-Xylene	9.16	106	250620	50.127	ug/L	97
54) o-xylene	9.56	106	241061	50.927	ug/L	98
55) Styrene	9.58	104	424938	51.557	ug/L	100
56) Isopropylbenzene	9.95	105	634768	50.002	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	188587	49.193	ug/L	96
59) 1,2,3-Trichloropropane	10.29	75	164714	49.289	ug/L	99
61) Bromoform	9.75	173	114832	49.351	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	323300	49.316	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	332542	49.260	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	317211	48.911	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42455	47.952	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	214857	47.314	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	202819	47.997	ug/L	99
69) Naphthalene	13.52	128	611497	50.553	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	201491	47.499	ug/L	99

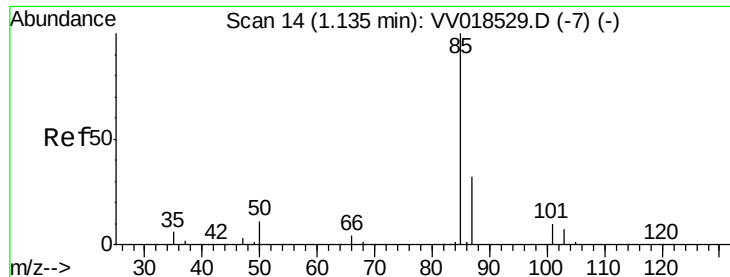
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.375 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

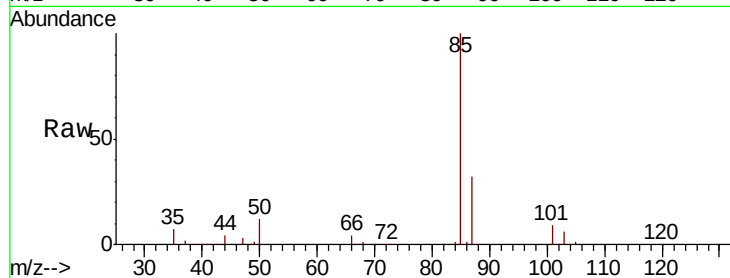
VSTD05094

Tot Ion: 85 Resp: 125379

Ion Ratio Lower Upper

85 100

87 31.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018529.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018529.D (-7) (-)

1.14

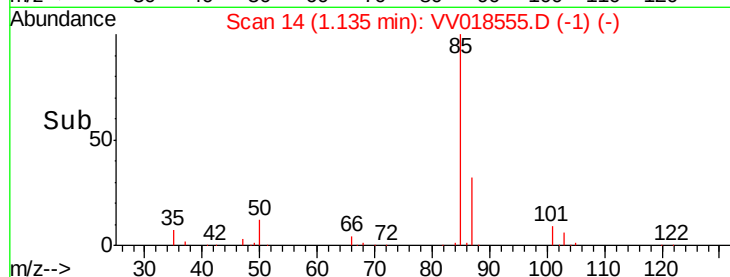
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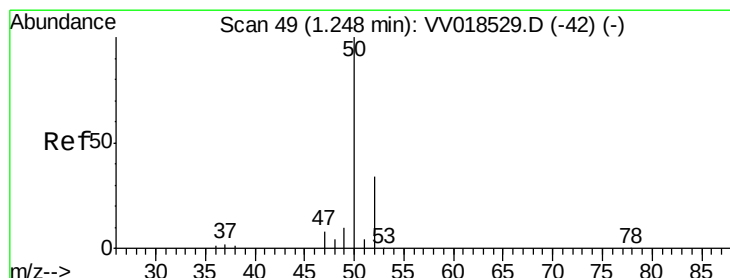
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 48.884 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018555.D

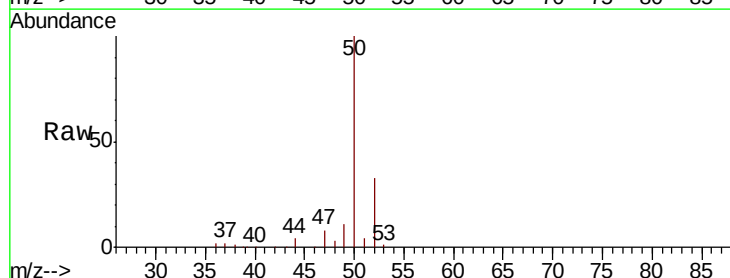
Acq: 30 Sep 2020 09:28

Tgt Ion: 50 Resp: 132823

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018529.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018529.D (-42) (-)

1.25

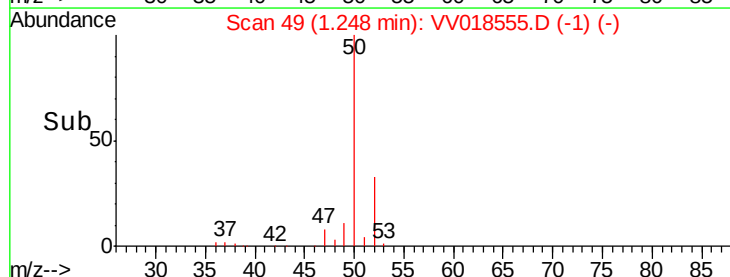
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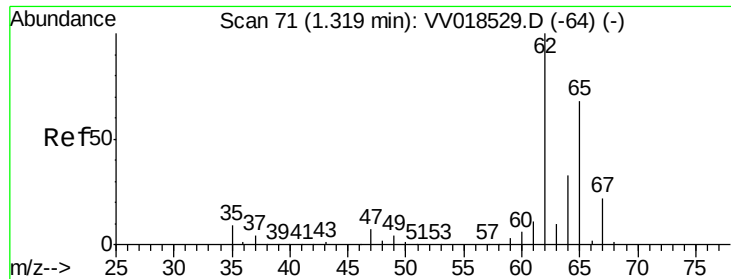
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 49.224 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

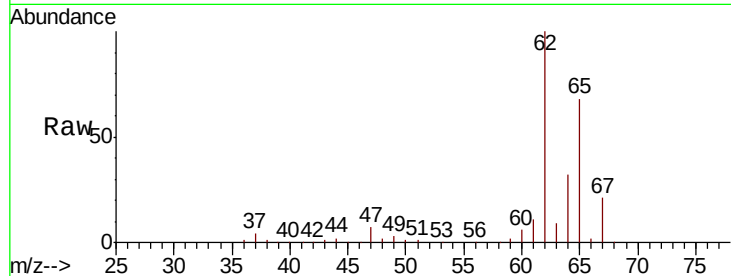
VSTD05094

Tot Ion: 62 Resp: 140619

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

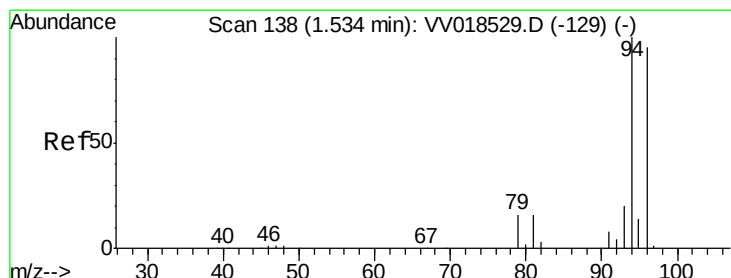
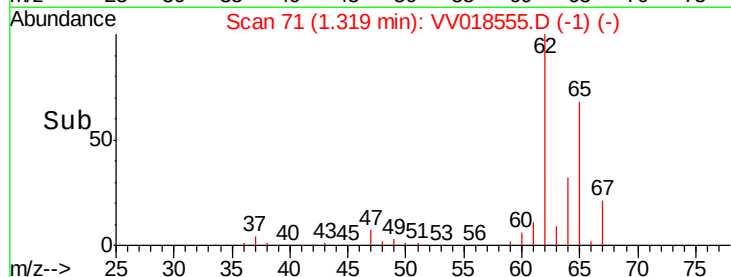
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 54.228 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018555.D

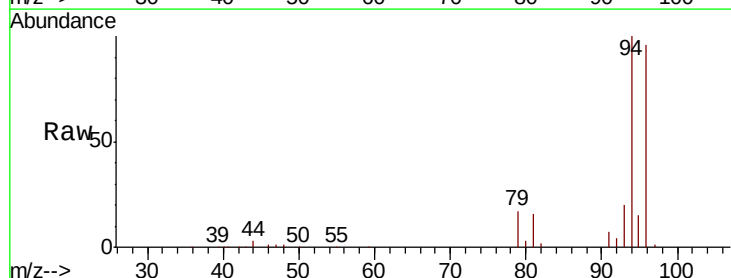
Acq: 30 Sep 2020 09:28

Tgt Ion: 94 Resp: 105435

Ion Ratio Lower Upper

94 100

96 95.7 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

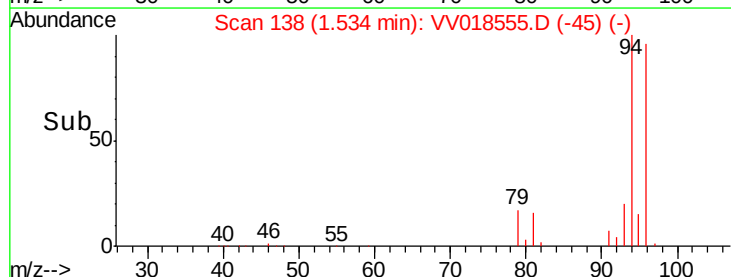
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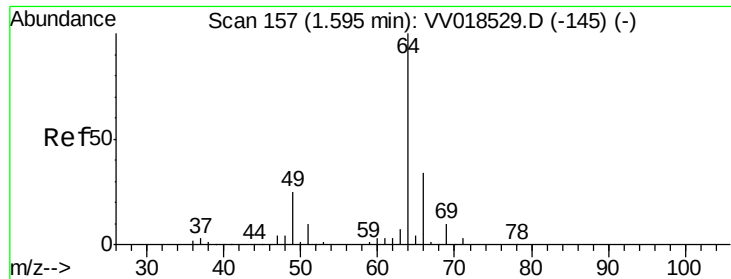
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Time-->

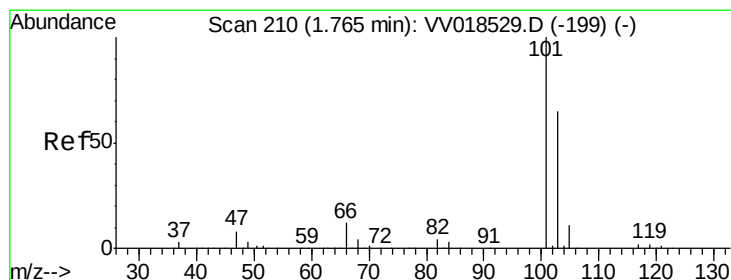
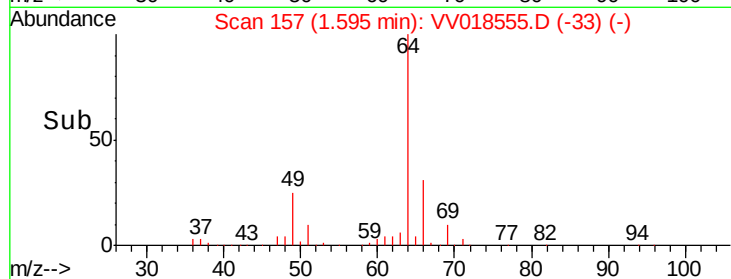
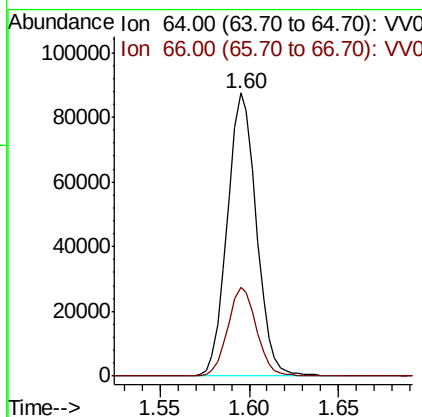
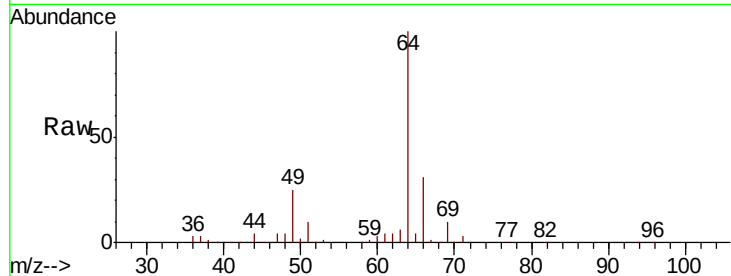




#8
 Chloroethane
 Concen: 56.411 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

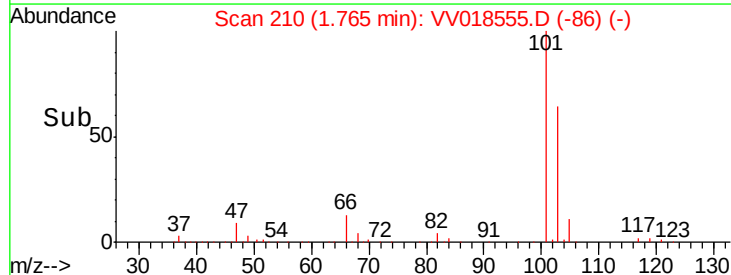
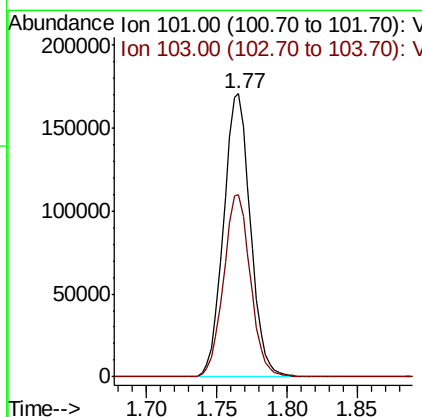
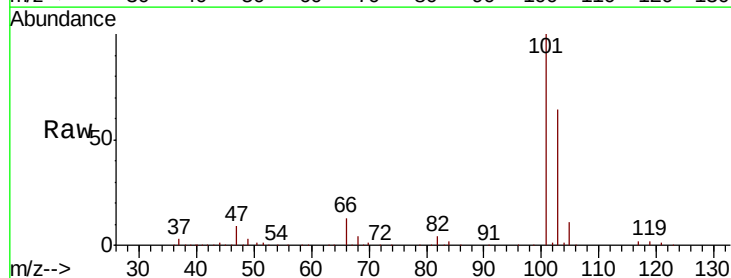
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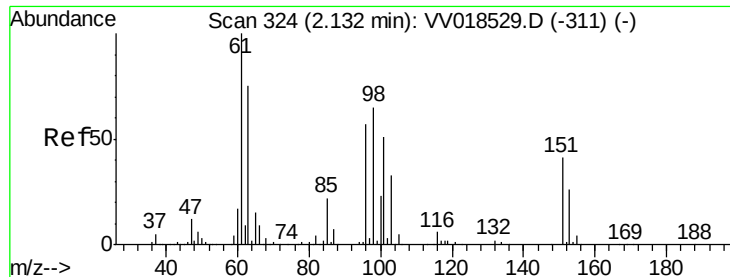
Tot Ion: 64 Resp: 99306
 Ion Ratio Lower Upper
 64 100
 66 31.4 22.8 42.4



#9
 Trichlorofluoromethane
 Concen: 52.078 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

Tgt Ion: 101 Resp: 226112
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.9 77.9





#10

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

Concen: 53.758 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

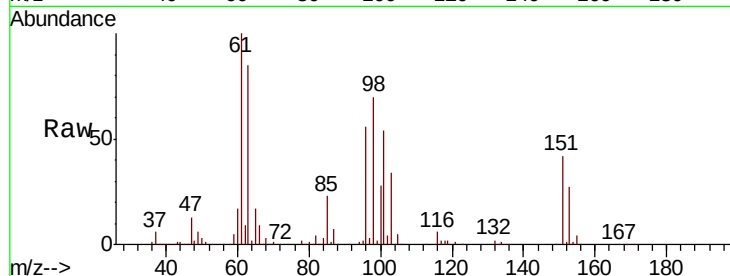
Tot Ion:101 Resp: 130637

Ion Ratio Lower Upper

101 100

85 42.9 34.6 52.0

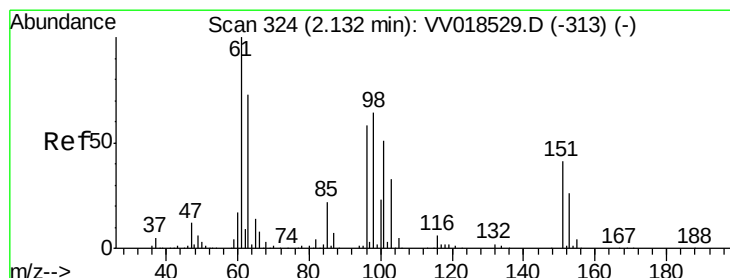
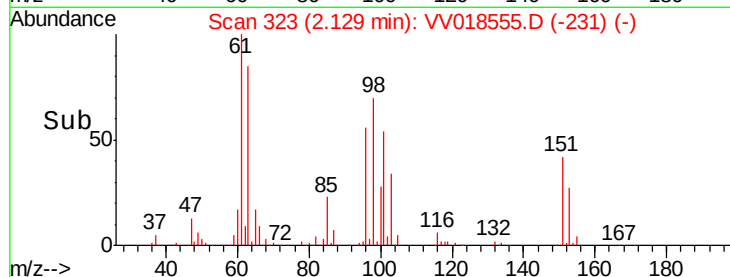
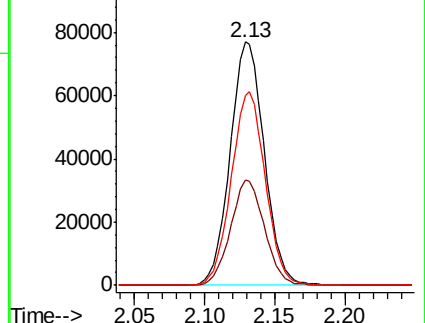
151 79.1 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.026 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

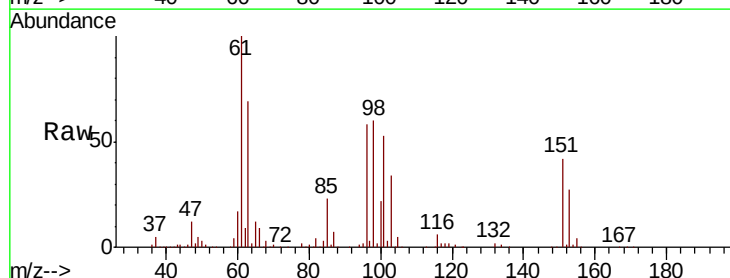
Tgt Ion: 96 Resp: 123621

Ion Ratio Lower Upper

96 100

61 173.7 122.8 228.1

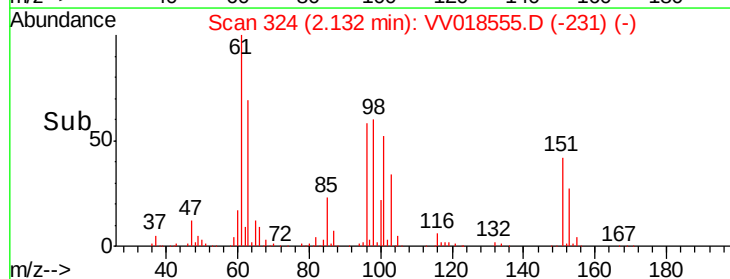
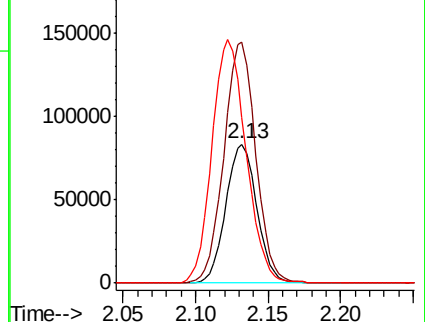
63 119.4 91.9 170.7

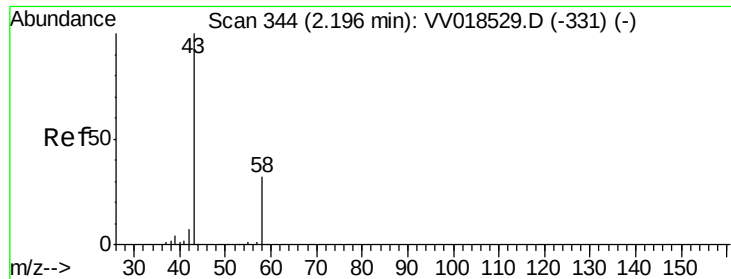


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 108.249 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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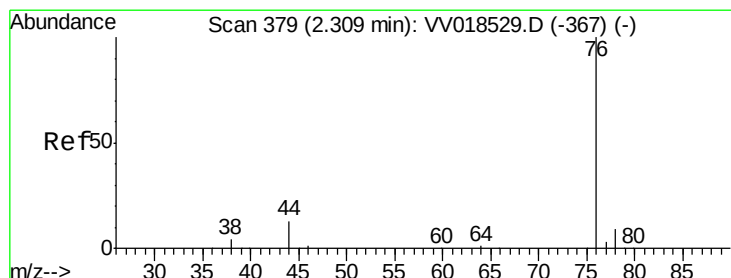
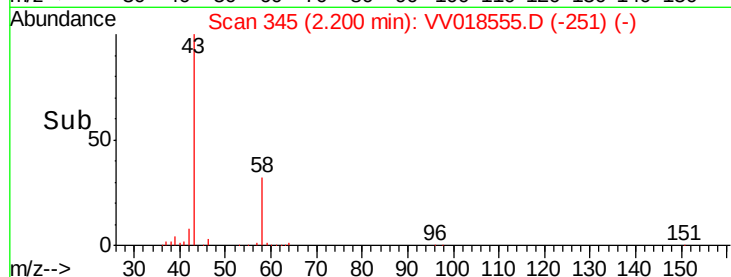
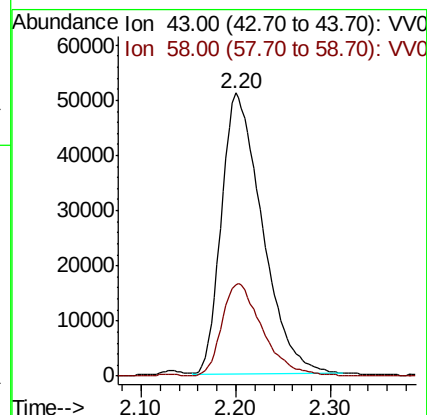
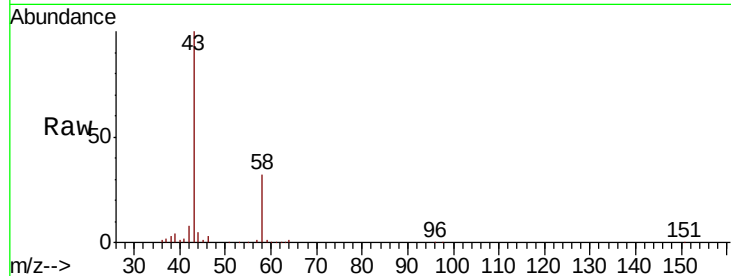
VSTD05094

Tot Ion: 43 Resp: 152794

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.0



#14

Carbon disulfide

Concen: 47.851 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018555.D

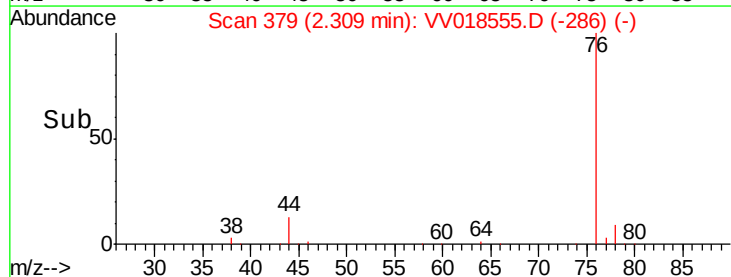
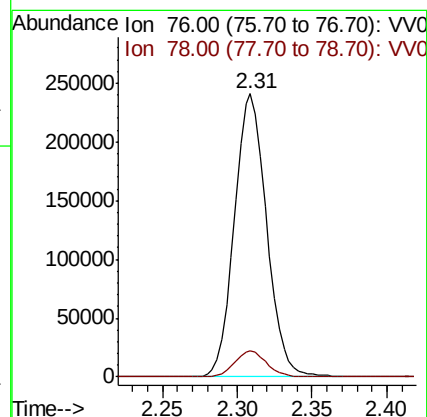
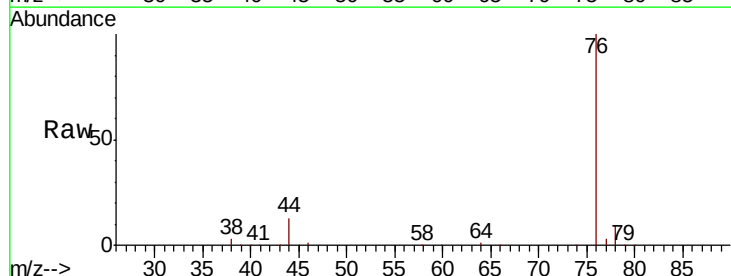
Acq: 30 Sep 2020 09:28

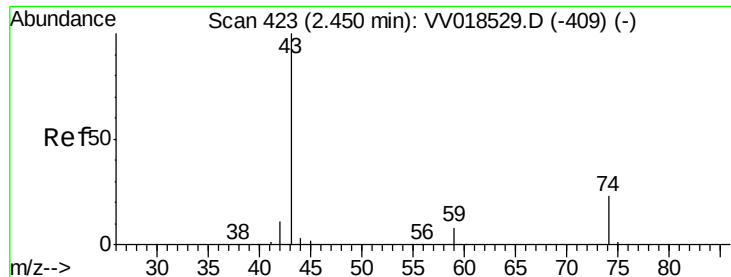
Tgt Ion: 76 Resp: 361376

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

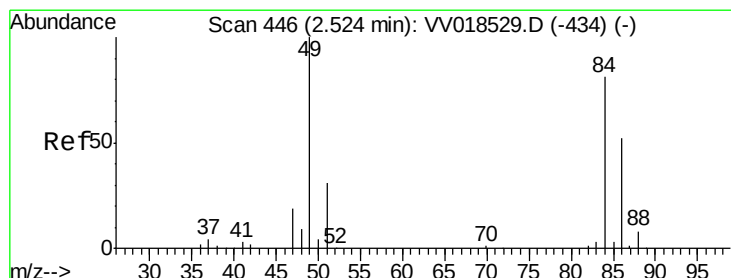
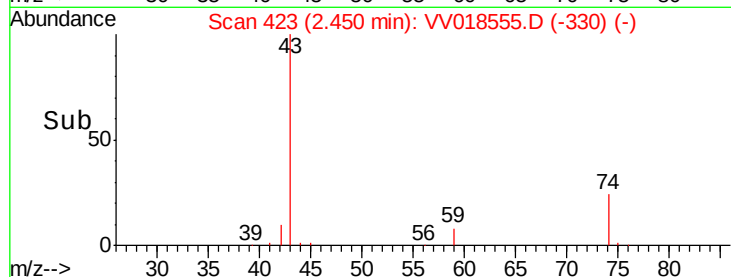
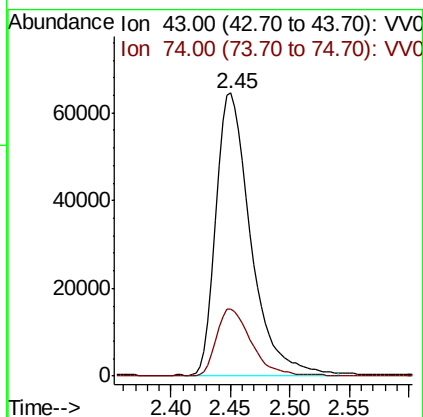
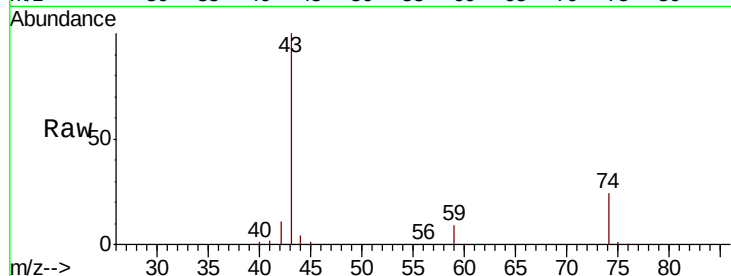




#15
Methvl Acetate
Concen: 47.918 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

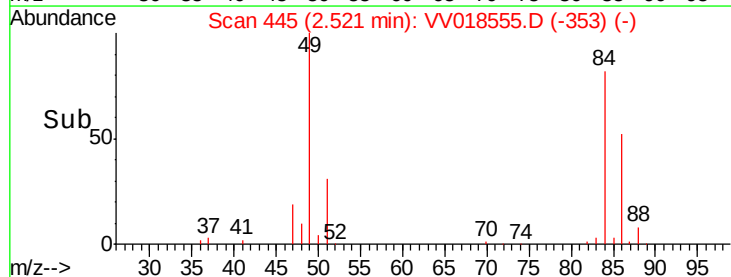
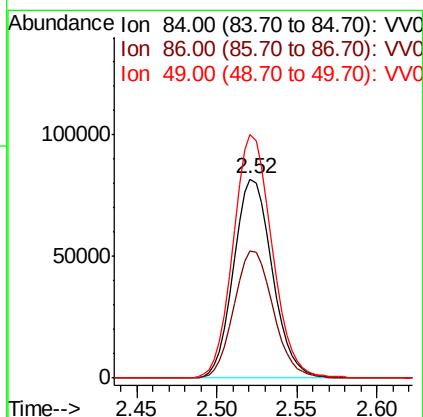
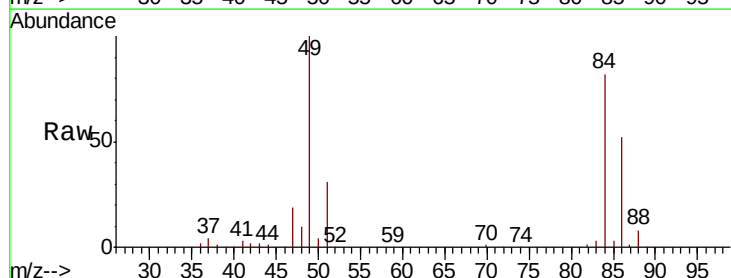
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

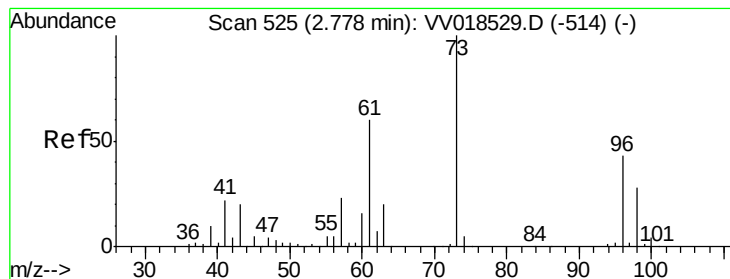
Tot Ion: 43 Resp: 130304
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



#16
Methylene chloride
Concen: 48.255 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

Tgt Ion: 84 Resp: 135021
Ion Ratio Lower Upper
84 100
86 63.7 46.2 85.8
49 122.3 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 49.456 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

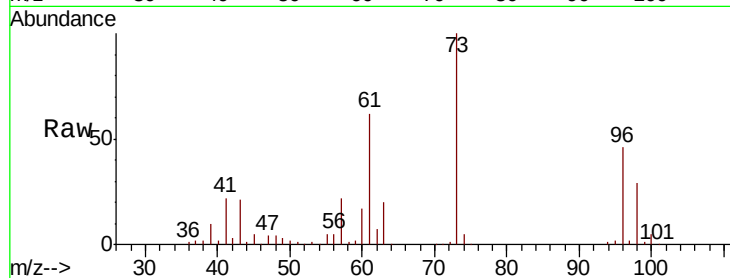
Tot Ion: 96 Resp: 131932

Ion Ratio Lower Upper

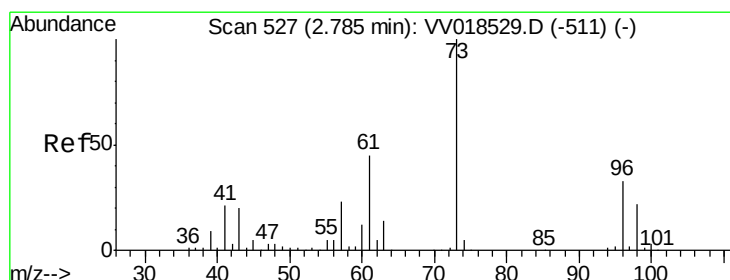
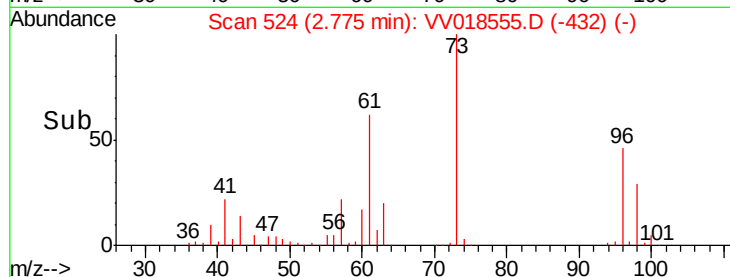
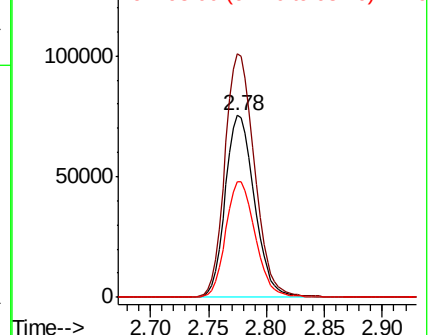
96 100

61 133.8 95.0 176.4

98 63.5 44.6 82.8



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: 49.914 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

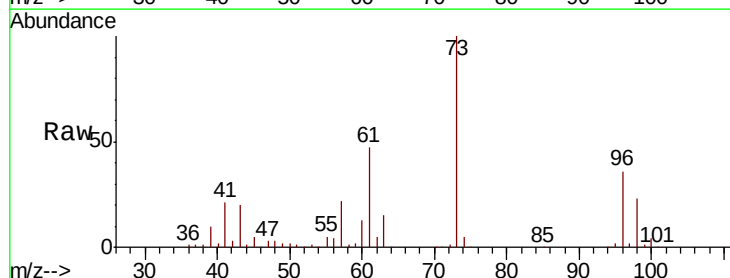
Tgt Ion: 73 Resp: 405690

Ion Ratio Lower Upper

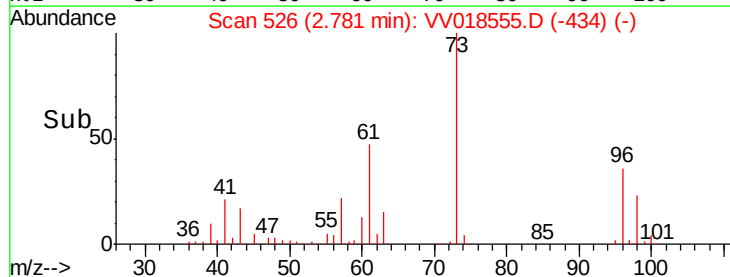
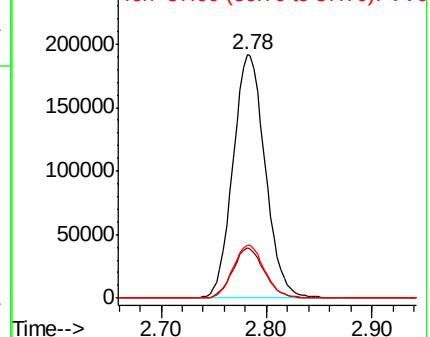
73 100

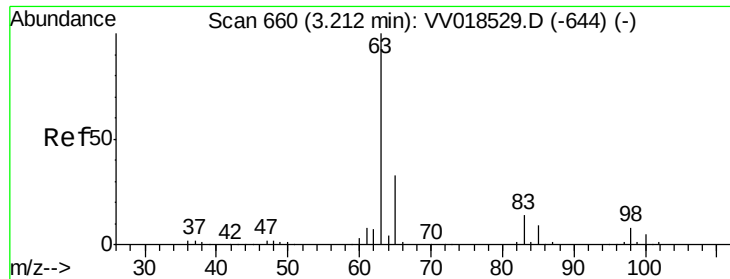
43 20.0 15.9 23.9

57 21.5 17.5 26.3



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: 49.347 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

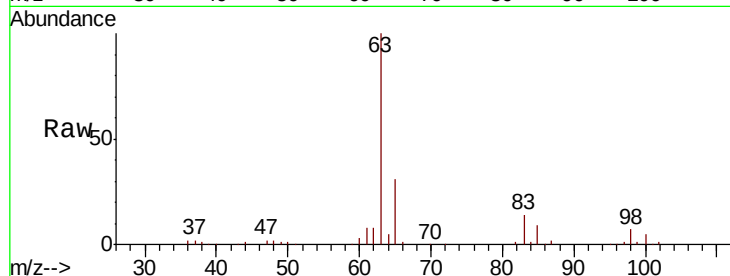
Tot Ion: 63 Resp: 230490

Ion Ratio Lower Upper

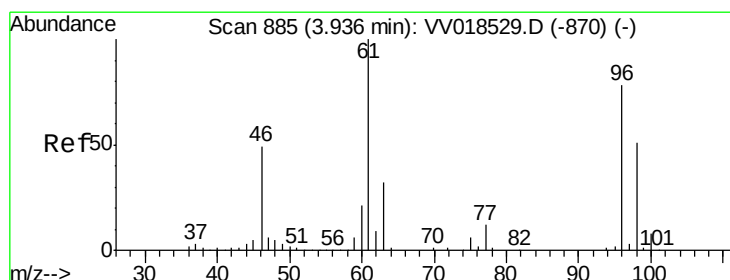
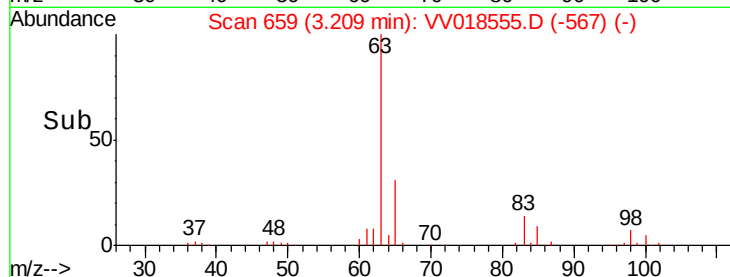
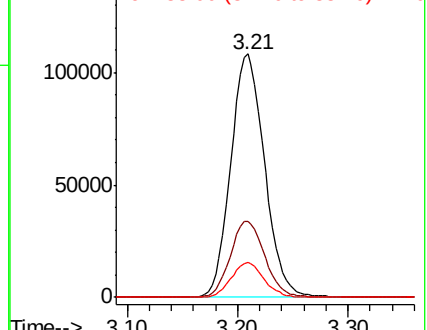
63 100

65 31.4 22.3 41.3

83 14.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.349 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

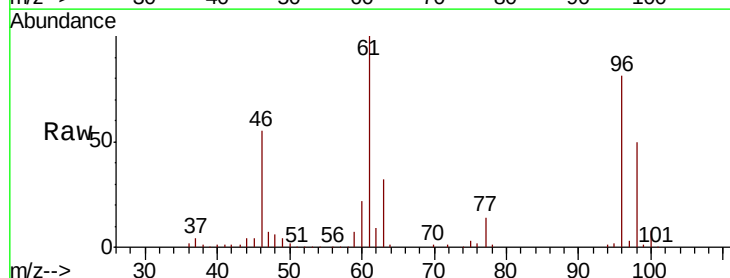
Tgt Ion: 96 Resp: 142742

Ion Ratio Lower Upper

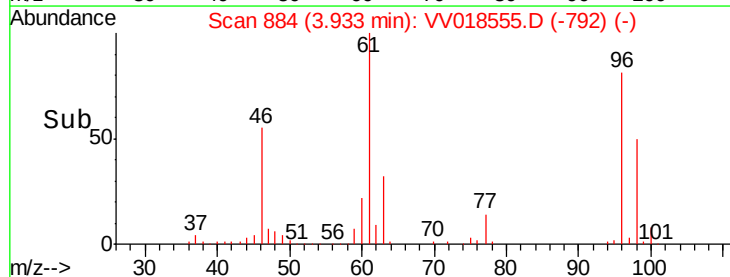
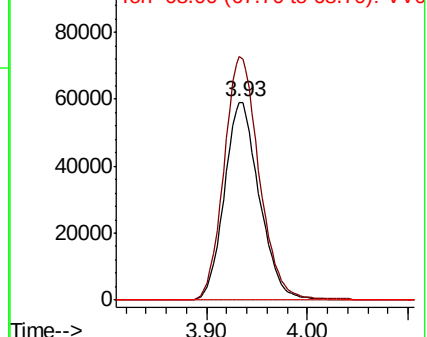
96 100

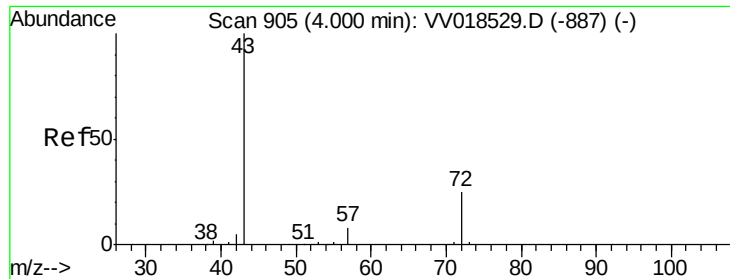
61 122.9 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 107.361 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

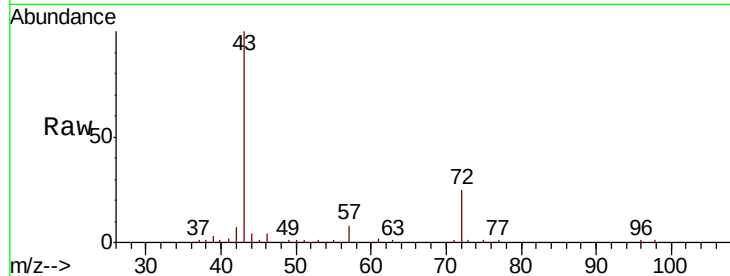
VSTD05094

Tot Ion: 43 Resp: 191435

Ion Ratio Lower Upper

43 100

72 23.9 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018529.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV018529.D (-887) (-)

4.00

60000

50000

40000

30000

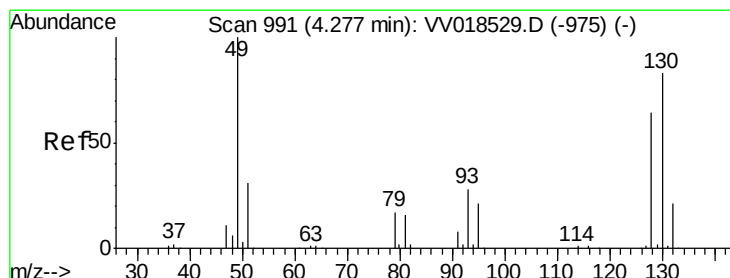
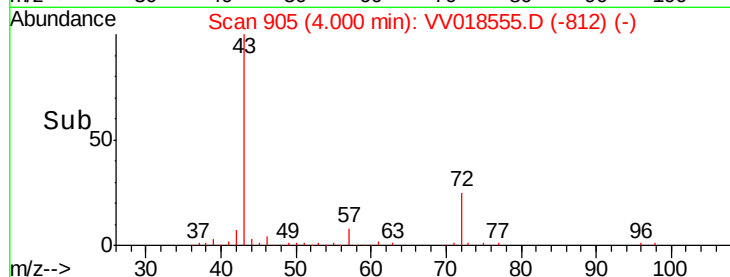
20000

10000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 49.138 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Tgt Ion: 128 Resp: 76605

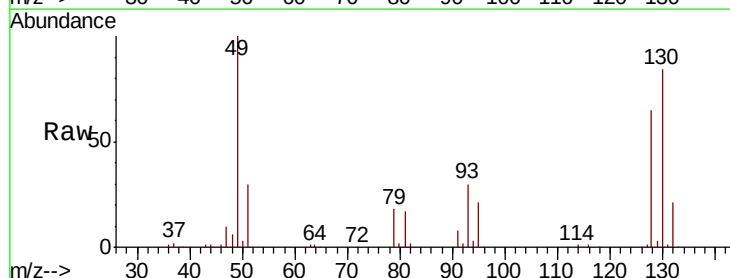
Ion Ratio Lower Upper

128 100

49 154.8 105.1 195.1

130 130.1 90.0 167.2

51 46.5 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018529.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018529.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018529.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018529.D (-975) (-)

4.27

60000

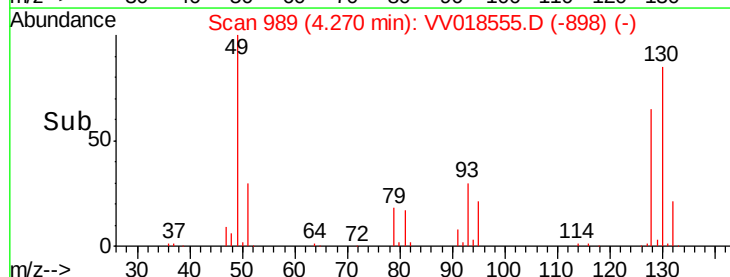
40000

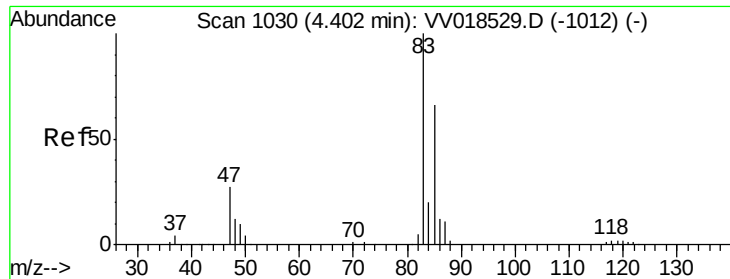
20000

0

Time-->

4.20 4.30 4.40

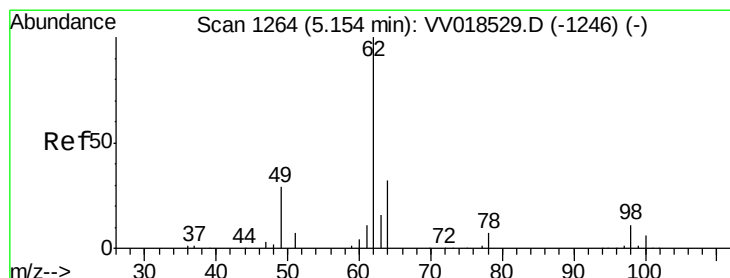
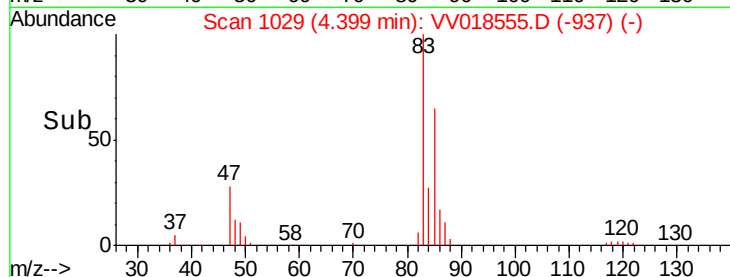
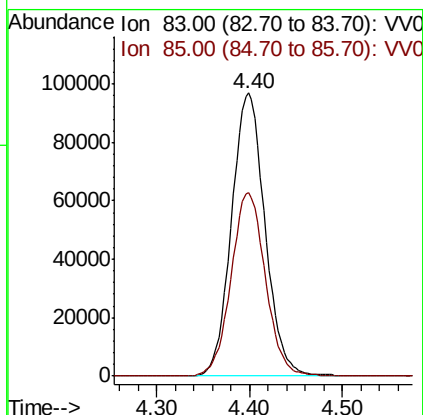
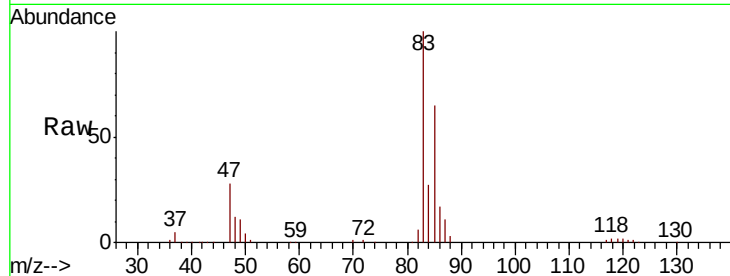




#25
Chloroform
Concen: 49.180 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

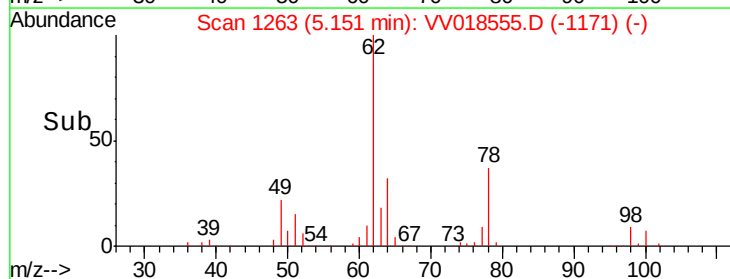
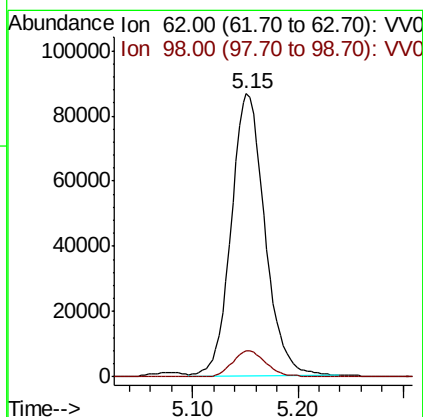
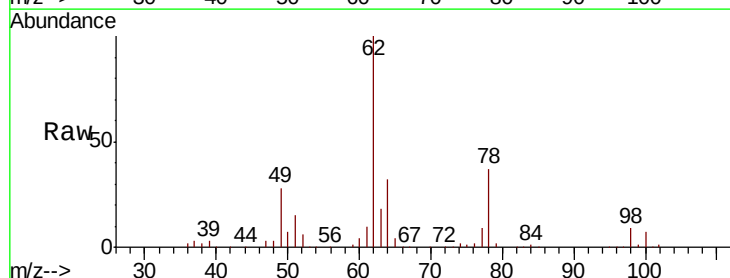
Instrument :
MSVOA_V
ClientSampled :
VSTD05094

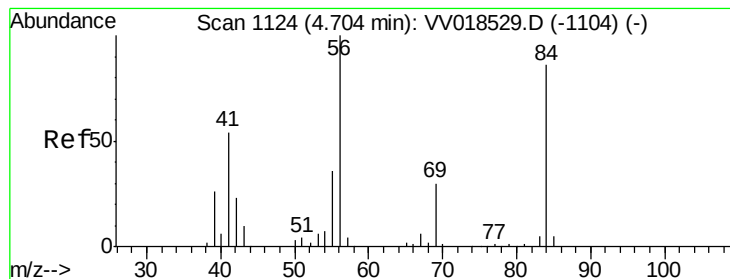
Tot Ion: 83 Resp: 242554
Ion Ratio Lower Upper
83 100
85 64.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 49.845 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

Tgt Ion: 62 Resp: 191613
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5





#29

Cyclohexane

Concen: 49.689 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

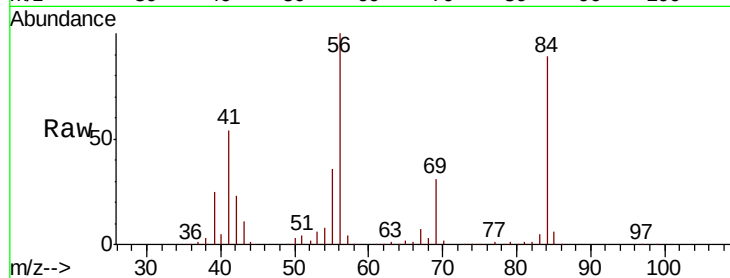
Tot Ion: 56 Resp: 206565

Ion Ratio Lower Upper

56 100

69 31.4 24.8 37.2

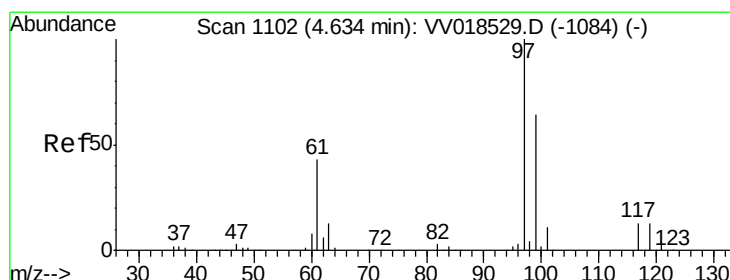
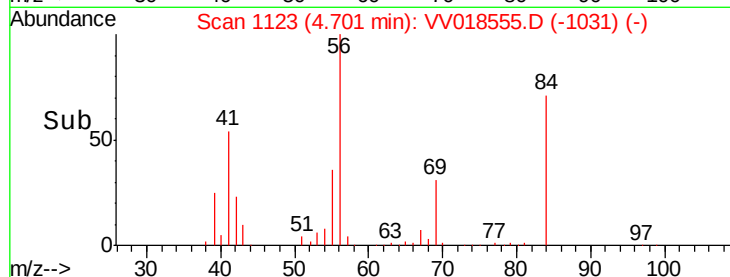
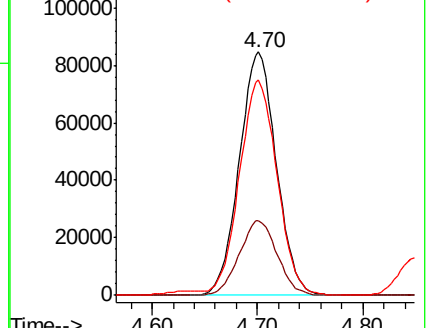
84 89.9 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV018529.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018529.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018529.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 48.610 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

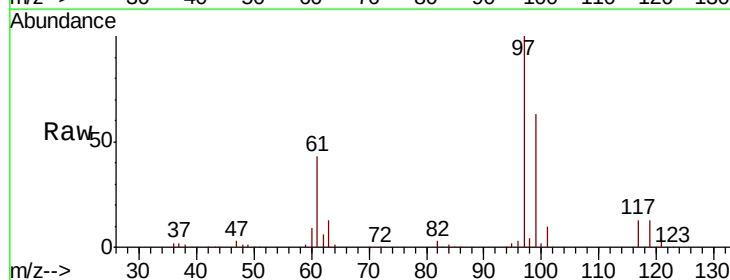
Tgt Ion: 97 Resp: 219964

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

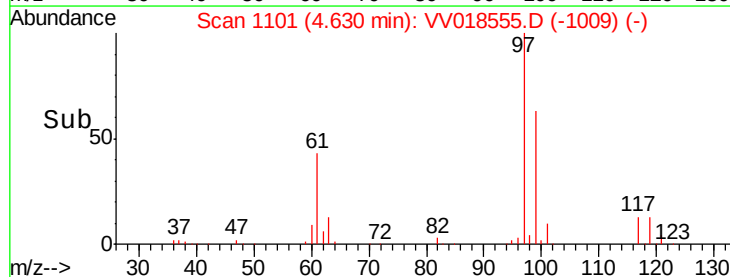
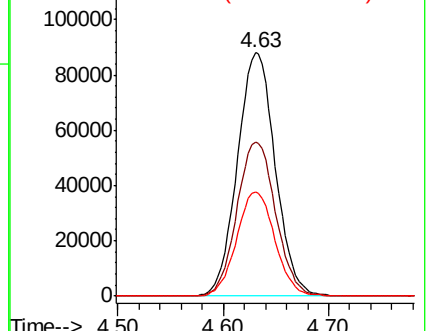
61 43.4 33.9 50.9

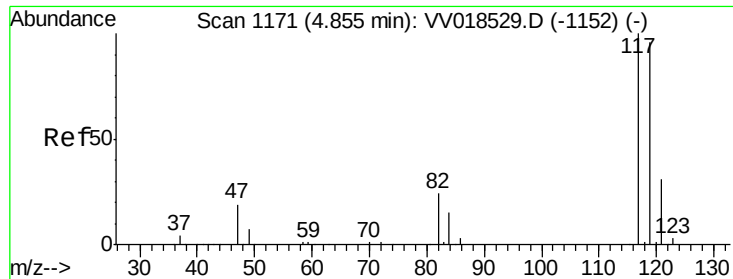


Abundance Ion 97.00 (96.70 to 97.70): VV018529.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018529.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018529.D (-1084) (-)

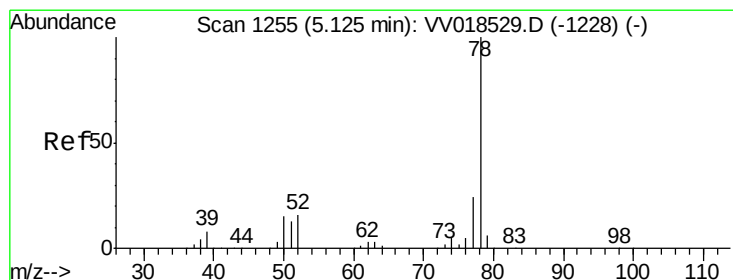
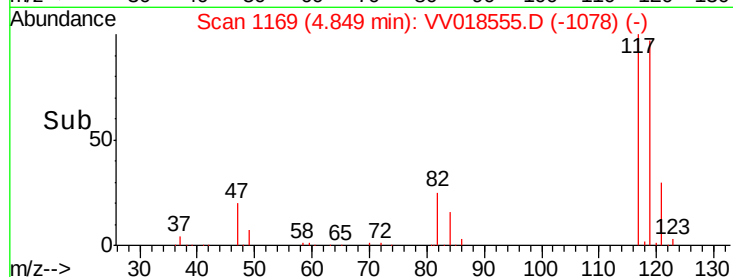
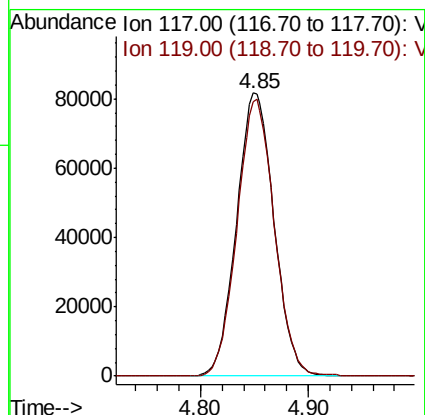
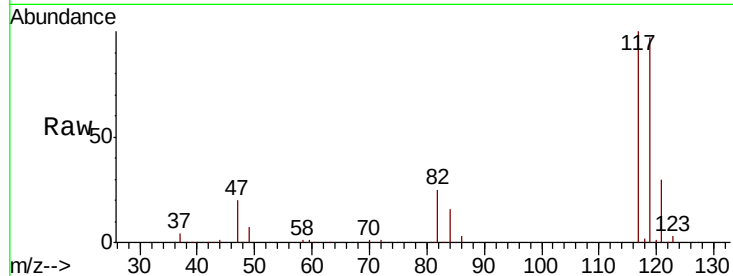




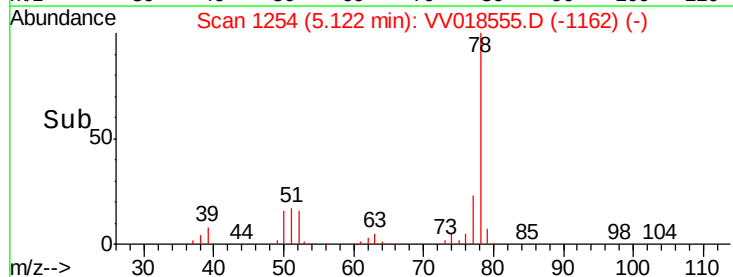
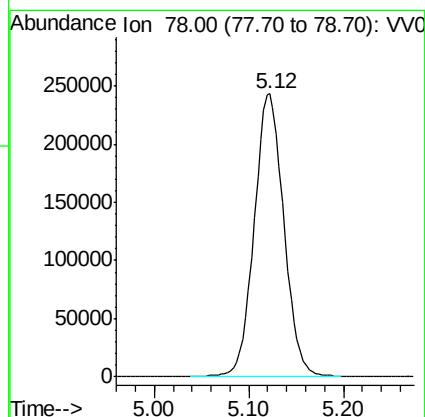
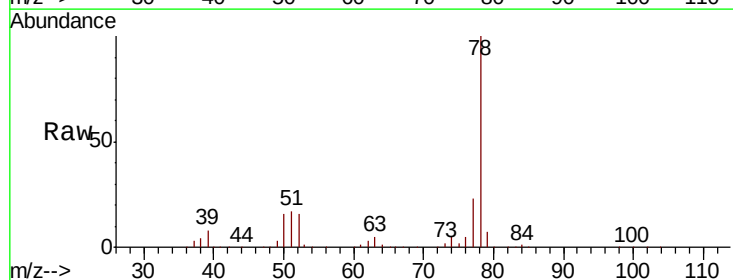
#31
Carbon tetrachloride
Concen: 48.623 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

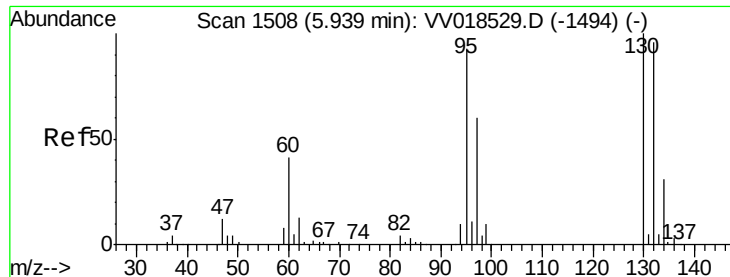
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:117 Resp: 197467
Ion Ratio Lower Upper
117 100
119 96.9 77.0 115.6



#33
Benzene
Concen: 49.462 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28
Tgt Ion: 78 Resp: 529663





#34

Trichloroethene

Concen: 48.596 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.01 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

Tot Ion: 95 Resp: 151078

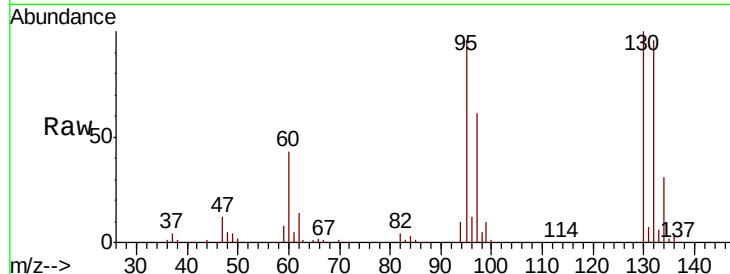
Ion Ratio Lower Upper

95 100

97 63.9 45.9 85.3

132 100.2 70.8 131.4

130 104.1 75.3 139.8

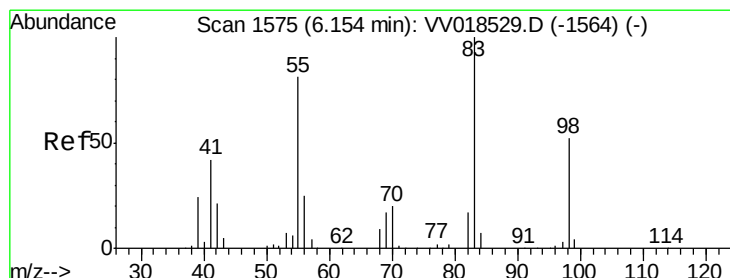
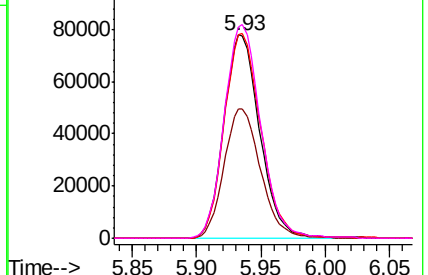
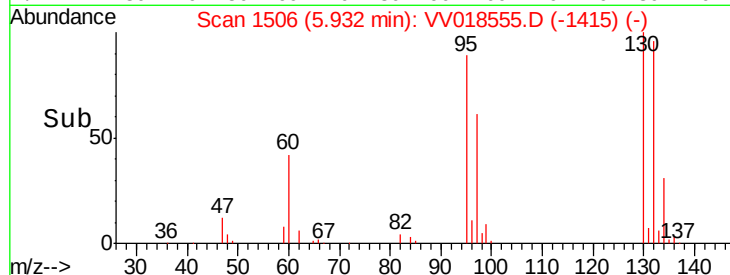


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.864 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

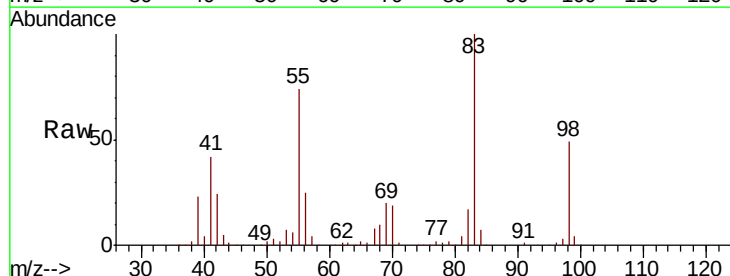
Tgt Ion: 83 Resp: 200730

Ion Ratio Lower Upper

83 100

55 75.0 60.1 90.1

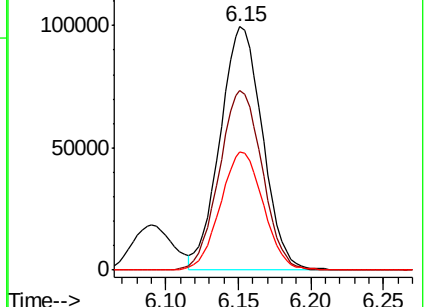
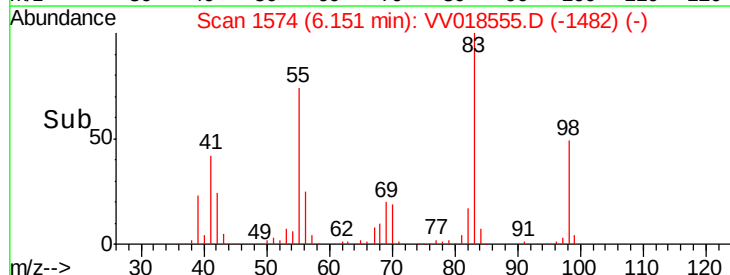
98 49.7 40.2 60.4

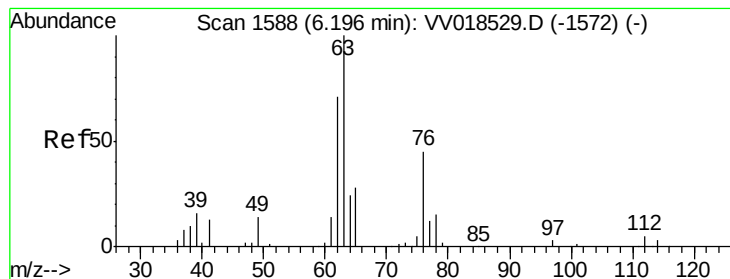


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.903 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

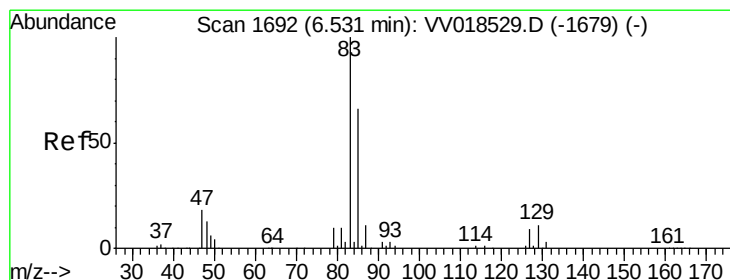
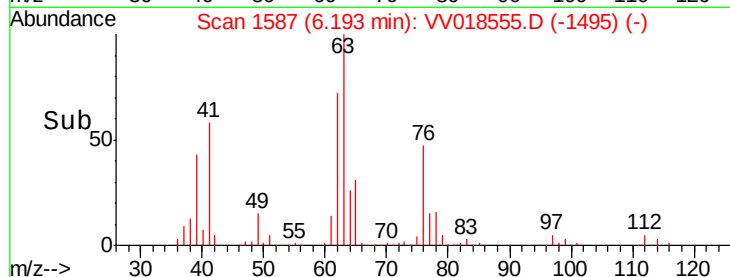
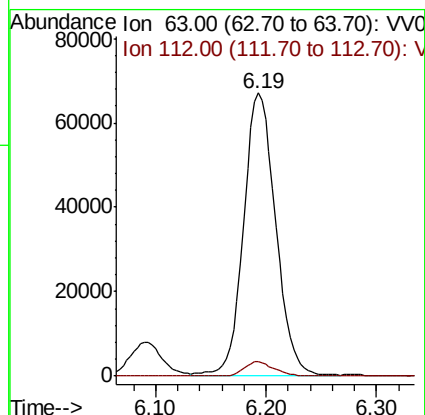
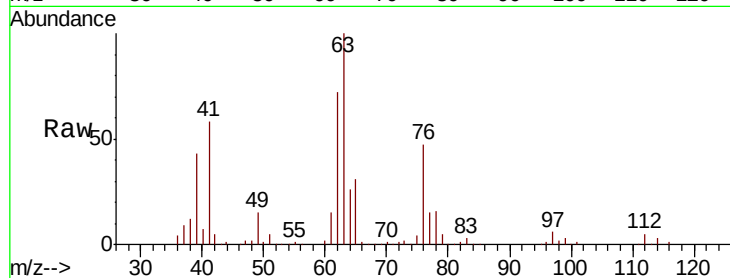
VSTD05094

Tot Ion: 63 Resp: 134355

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 49.256 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

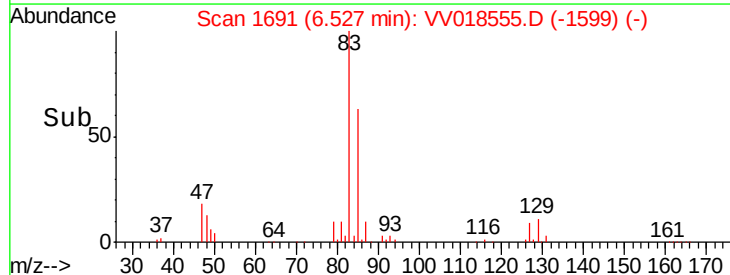
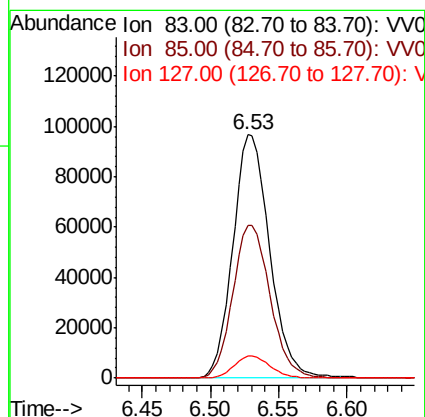
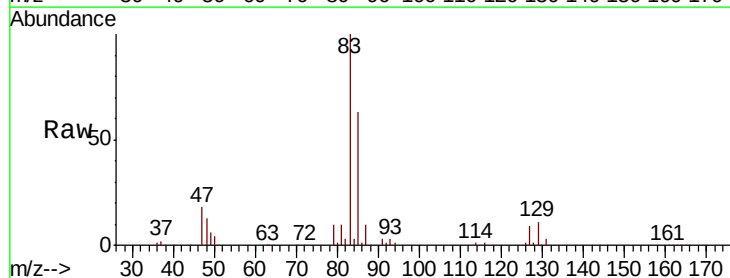
Tgt Ion: 83 Resp: 181228

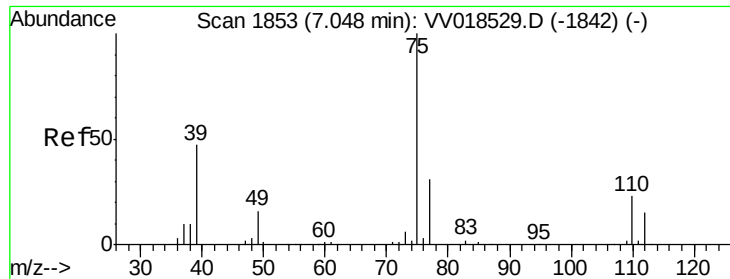
Ion Ratio Lower Upper

83 100

85 62.8 44.5 82.7

127 9.0 7.2 10.8

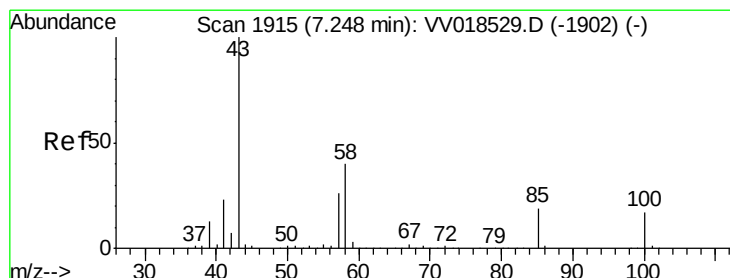
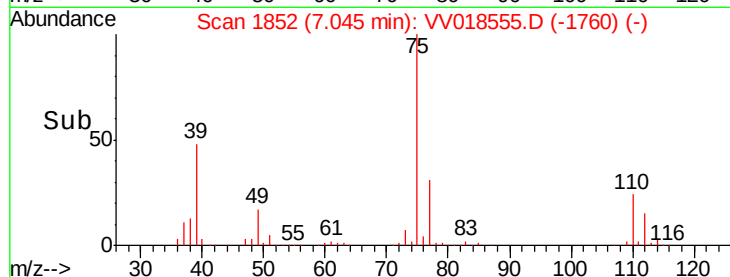
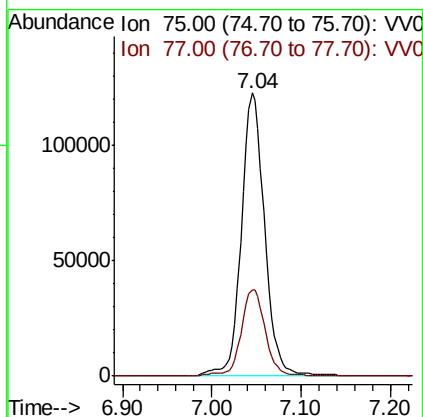
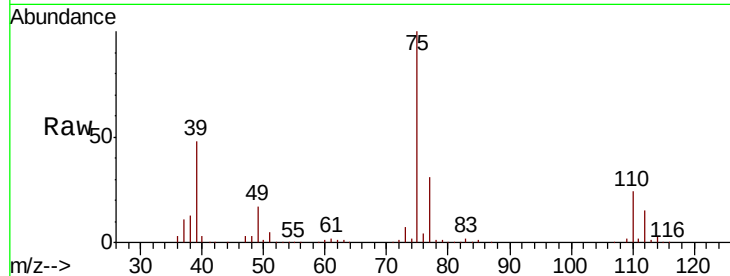




#39
 cis-1,3-Dichloropropene
 Concen: 51.568 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

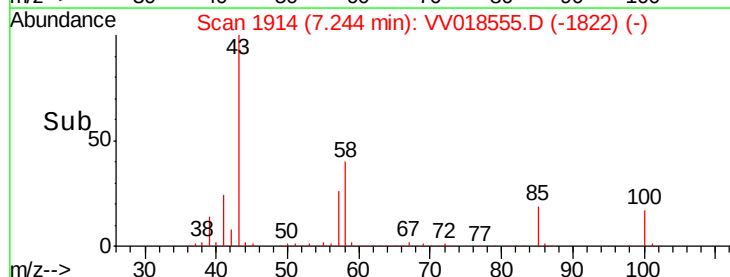
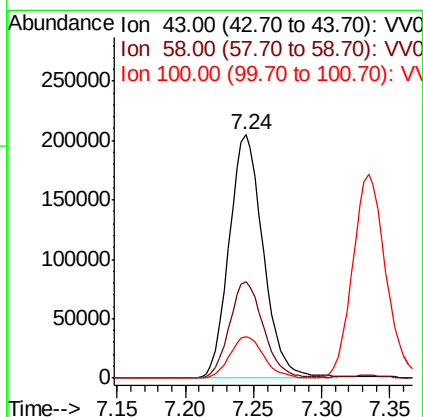
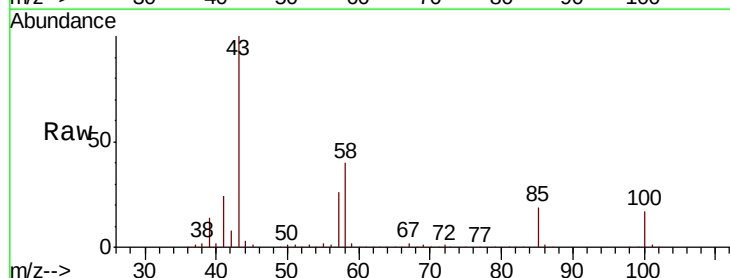
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

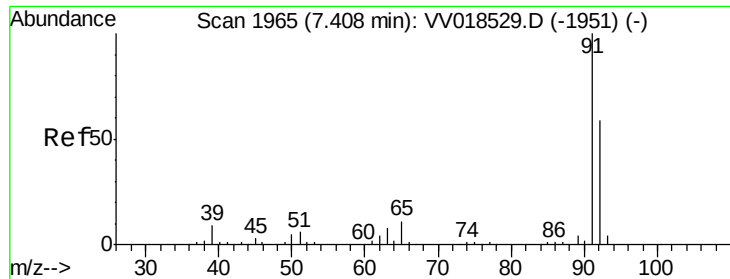
Tot Ion: 75 Resp: 222282
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 100.516 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

Tgt Ion: 43 Resp: 356342
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.6
 100 17.1 13.4 20.0





#42

Toluene

Concen: 49.771 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

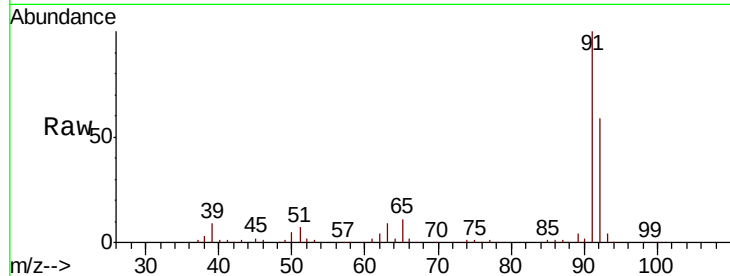
VSTD05094

Tot Ion: 91 Resp: 576559

Ion Ratio Lower Upper

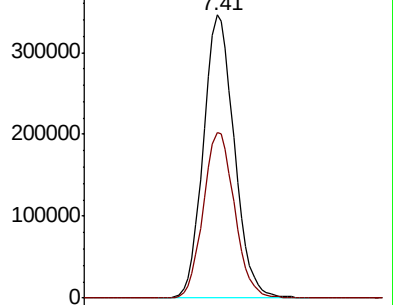
91 100

92 58.6 41.6 77.3

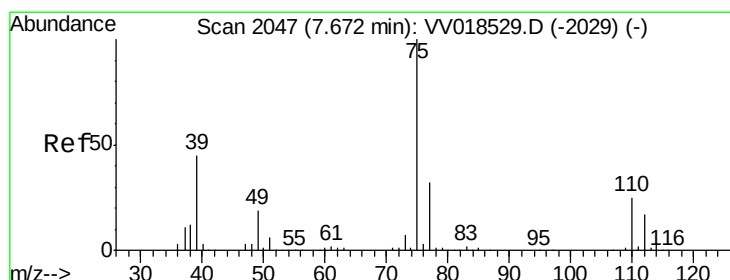
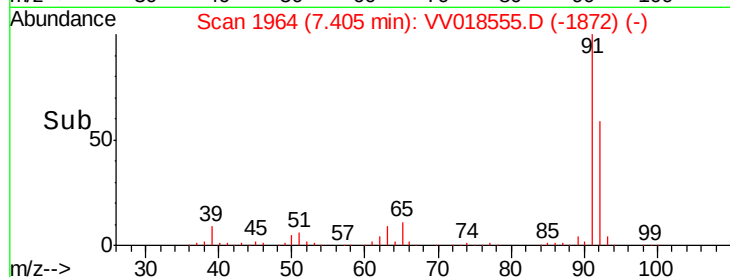


Abundance Ion 91.00 (90.70 to 91.70): VV018529.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018529.D (-1951) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.931 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018555.D

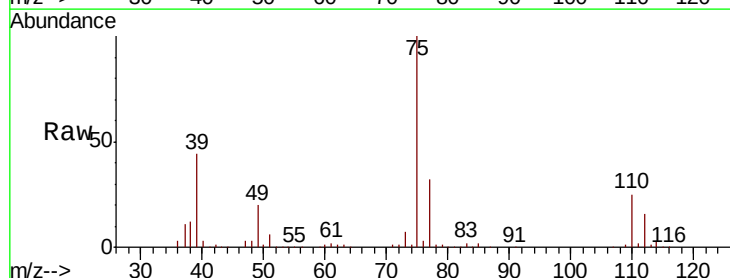
Acq: 30 Sep 2020 09:28

Tgt Ion: 75 Resp: 215658

Ion Ratio Lower Upper

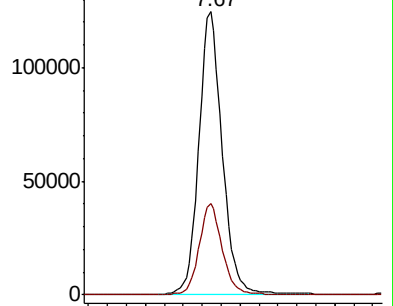
75 100

77 32.3 22.7 42.1

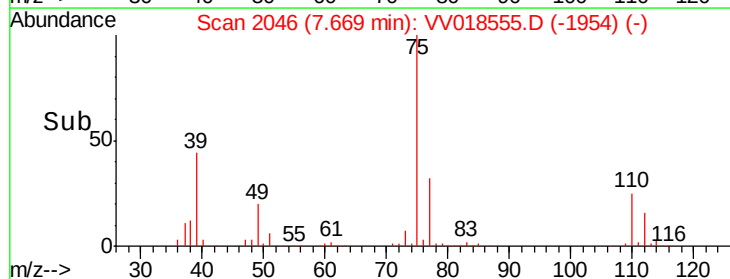


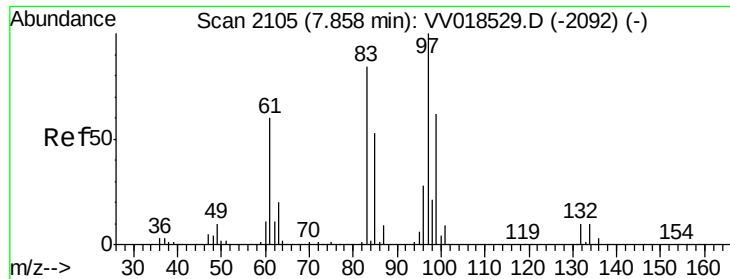
Abundance Ion 75.00 (74.70 to 75.70): VV018529.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018529.D (-2029) (-)



Time-->





#45

1,1,2-Trichloroethane

Concen: 49.103 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

Tot Ion: 97 Resp: 133548

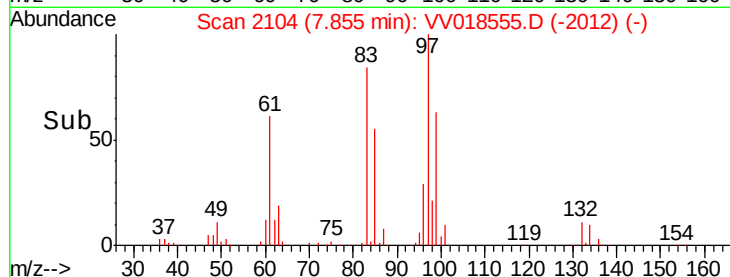
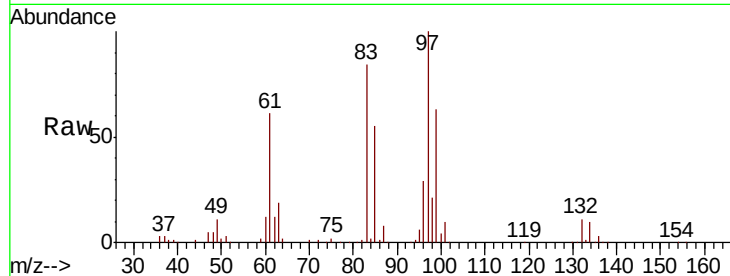
Ion Ratio Lower Upper

97 100

99 63.3 43.3 80.3

83 84.0 60.5 112.5

85 55.2 38.3 71.1



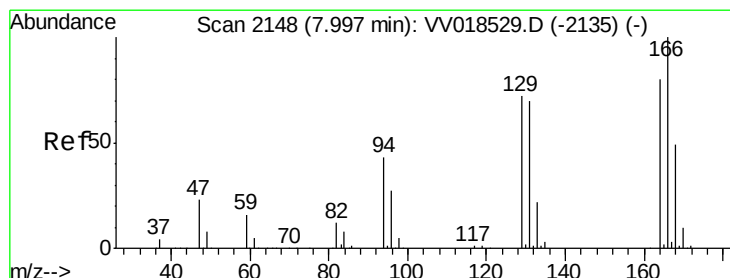
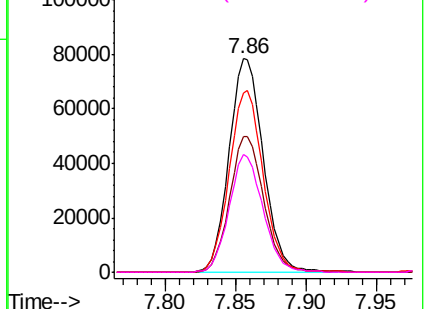
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.174 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Tgt Ion: 164 Resp: 124023

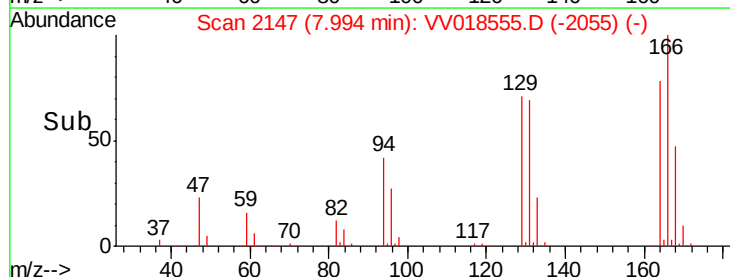
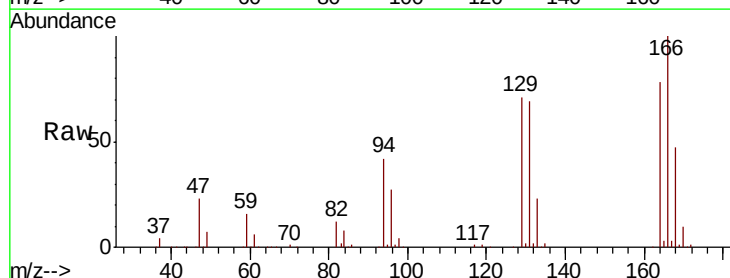
Ion Ratio Lower Upper

164 100

129 90.7 62.8 116.6

131 88.4 60.8 112.8

166 128.3 88.9 165.1



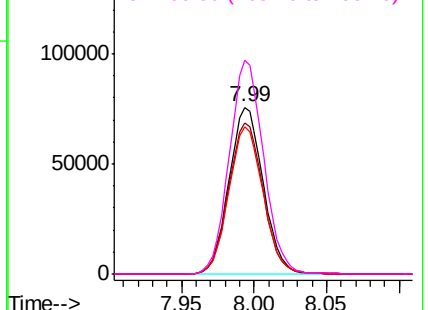
Abundance

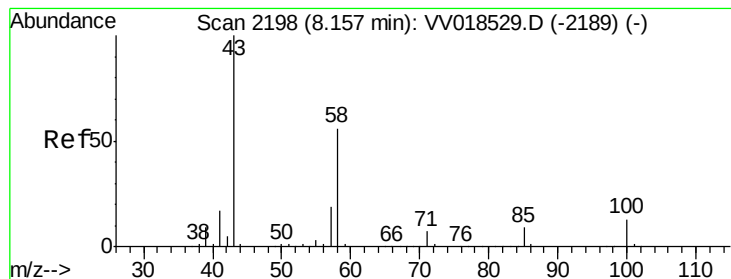
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 103.580 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

Tot Ion: 43 Resp: 286506

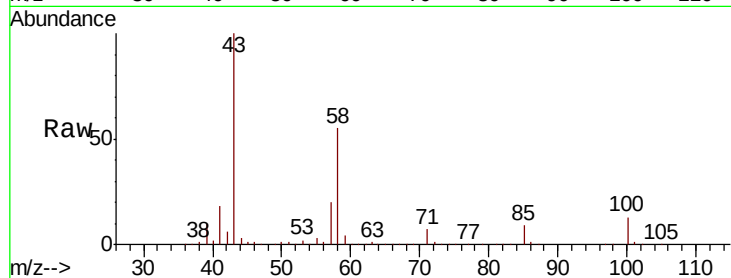
Ion Ratio Lower Upper

43 100

58 55.1 45.1 67.7

57 19.4 15.7 23.5

100 13.2 11.0 16.4

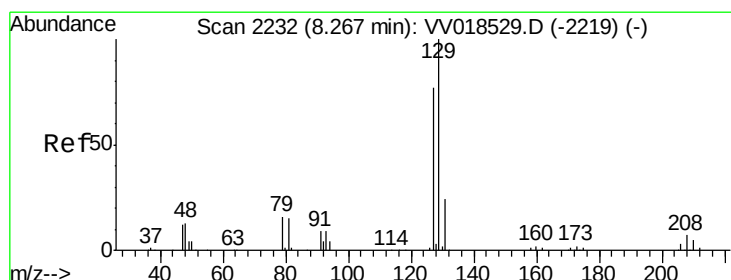
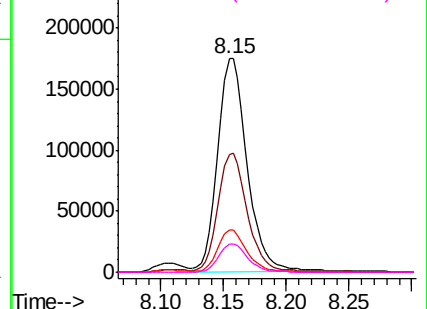
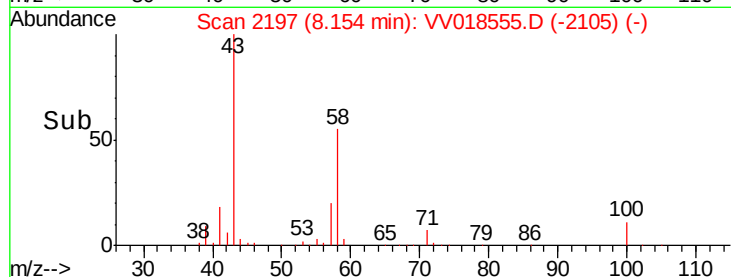


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 49.633 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018555.D

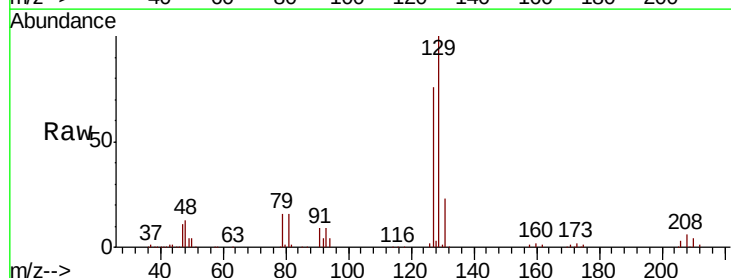
Acq: 30 Sep 2020 09:28

Tgt Ion: 129 Resp: 154396

Ion Ratio Lower Upper

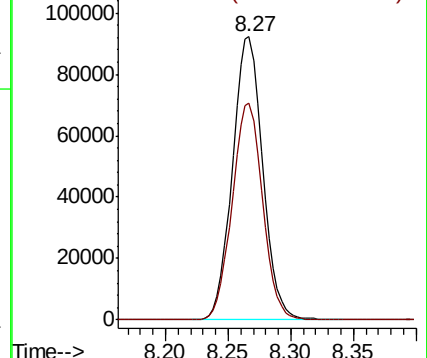
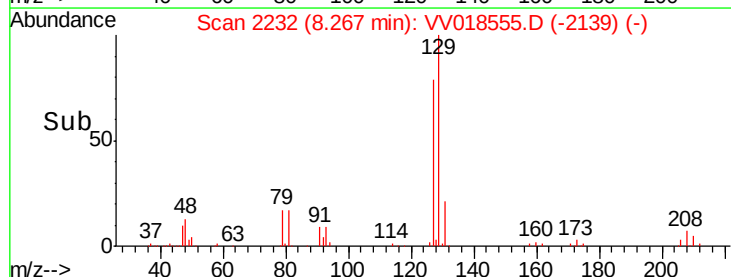
129 100

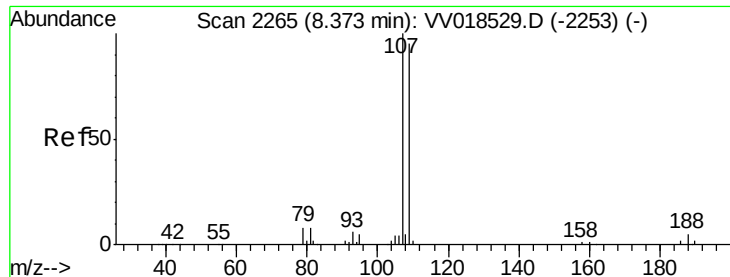
127 76.4 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

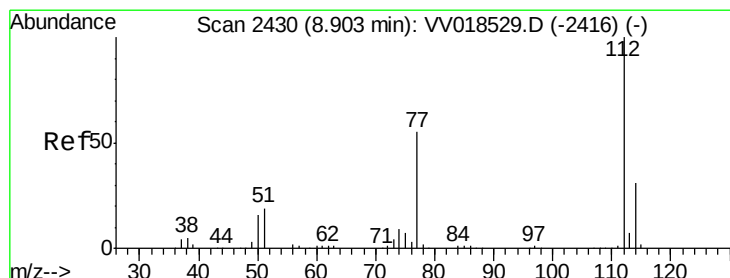
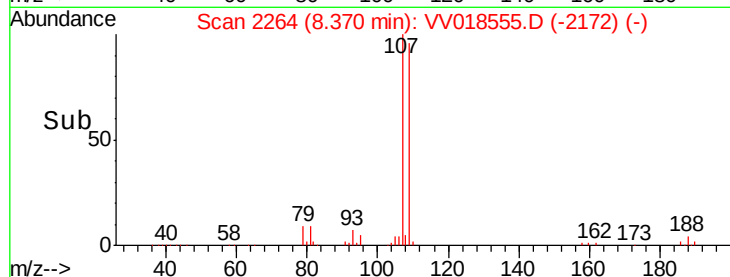
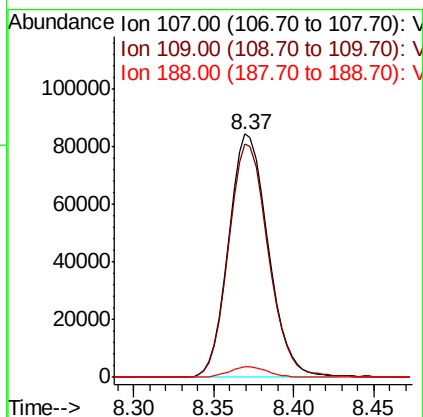
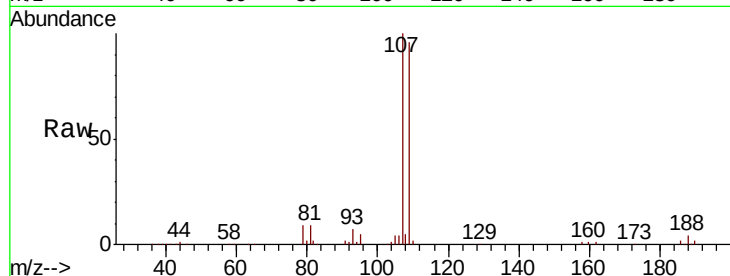




#50
 1,2-Dibromoethane
 Concen: 49.203 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

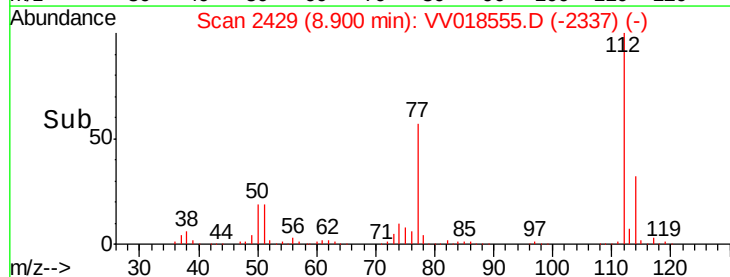
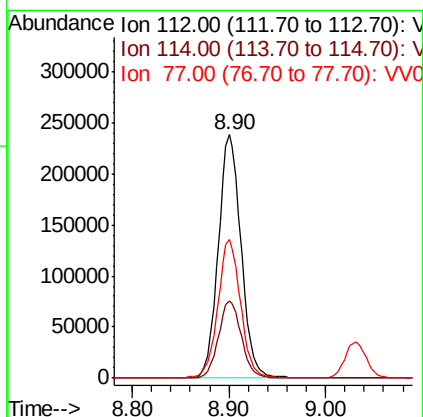
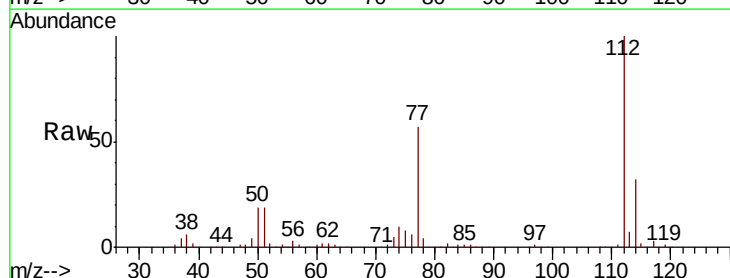
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

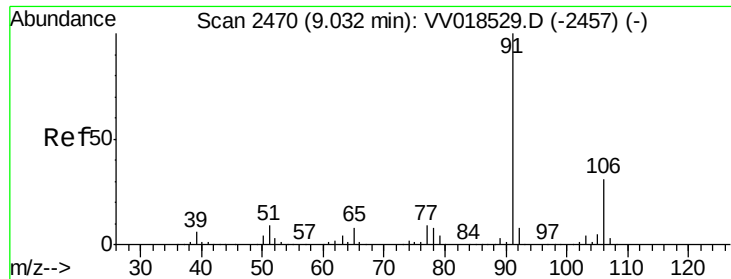
Tot Ion:107 Resp: 142279
 Ion Ratio Lower Upper
 107 100
 109 95.7 65.1 120.9
 188 4.2 3.7 5.5



#51
 Chlorobenzene
 Concen: 49.695 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

Tgt Ion:112 Resp: 389452
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.4 41.6
 77 56.9 44.8 67.2





#52

Ethylbenzene

Concen: 49.840 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

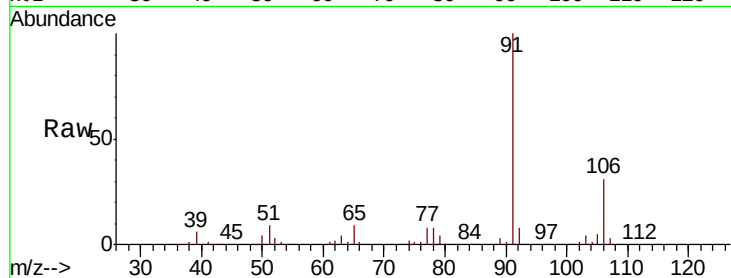
VSTD05094

Tot Ion: 91 Resp: 644781

Ion Ratio Lower Upper

91 100

106 31.0 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018529.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV018529.D (-2457) (-)

9.03

400000

300000

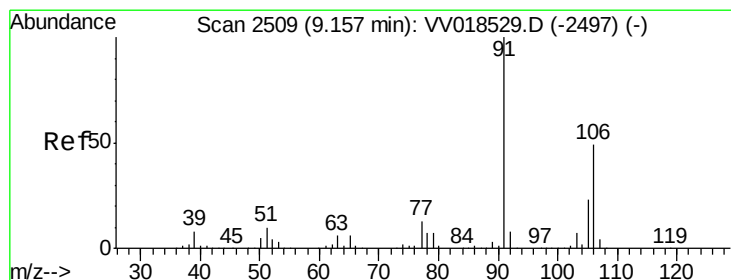
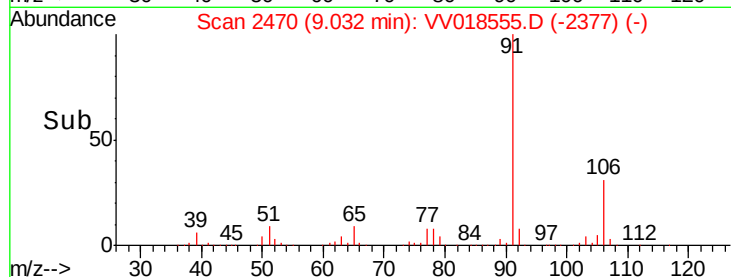
200000

100000

0

8.95 9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 50.127 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018555.D

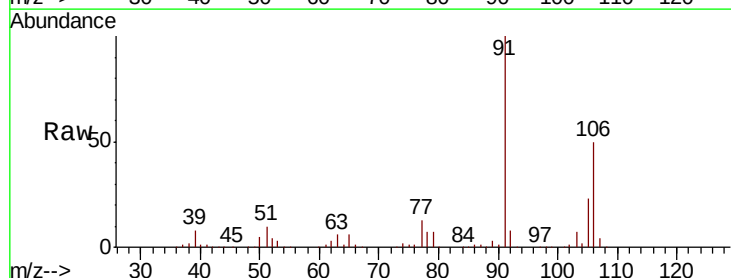
Acq: 30 Sep 2020 09:28

Tgt Ion: 106 Resp: 250620

Ion Ratio Lower Upper

106 100

91 198.2 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018529.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018529.D (-2497) (-)

9.16

300000

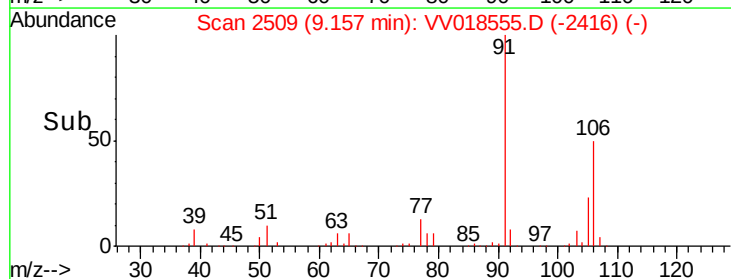
200000

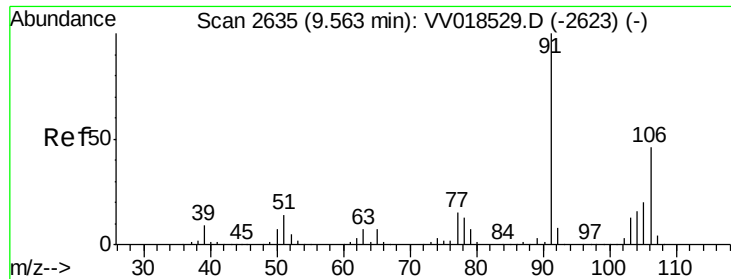
100000

0

9.10 9.15 9.20 9.25

Time-->

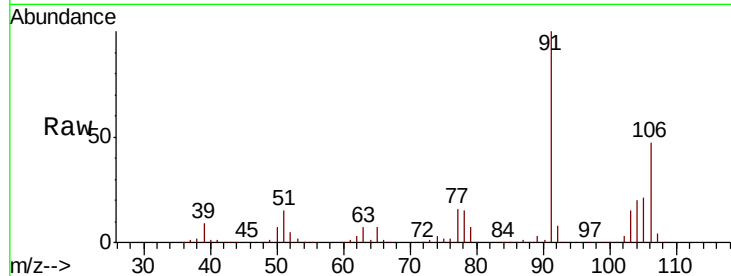




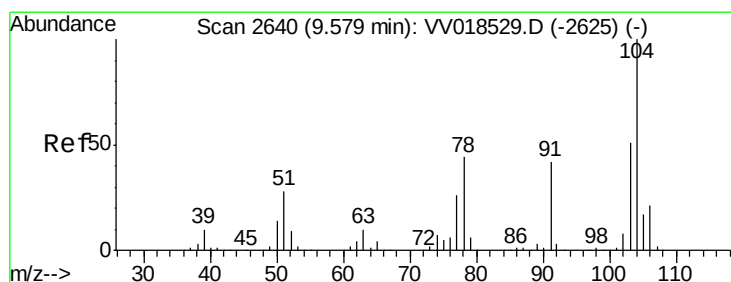
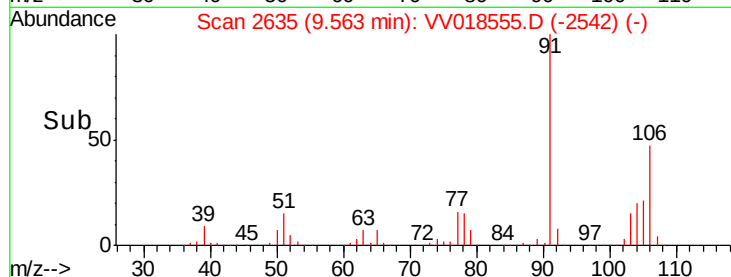
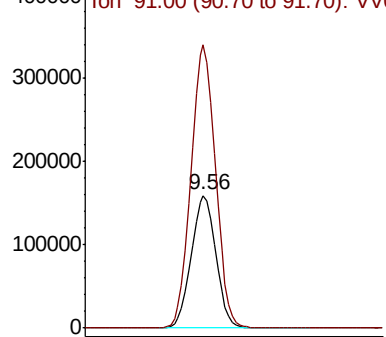
#54
o-xylene
Concen: 50.927 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:106 Resp: 241061
Ion Ratio Lower Upper
106 100
91 213.0 151.0 280.4

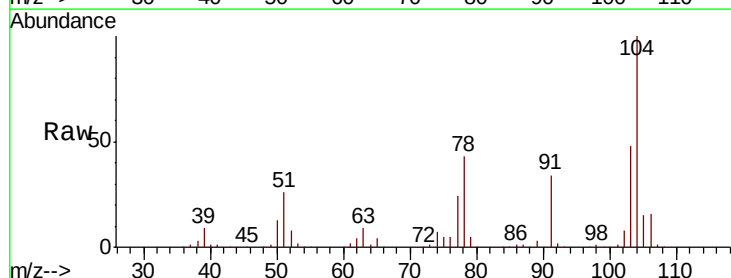


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

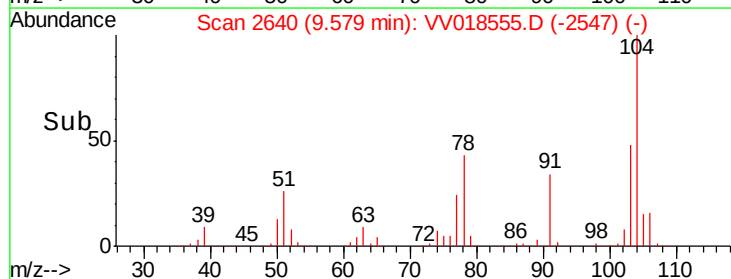
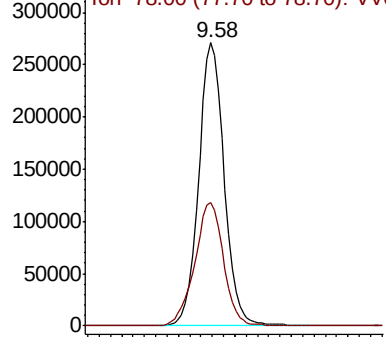


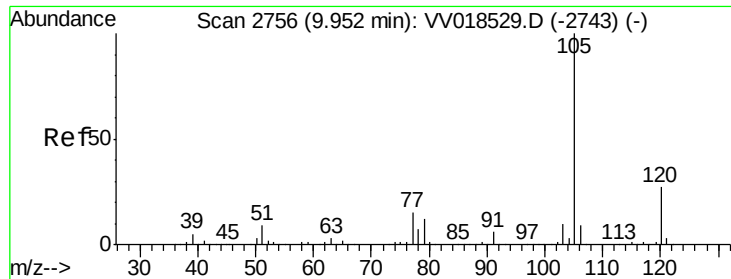
#55
Styrene
Concen: 51.557 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018555.D
Acq: 30 Sep 2020 09:28

Tgt Ion:104 Resp: 424938
Ion Ratio Lower Upper
104 100
78 43.5 30.2 56.2



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





#56

Isopropylbenzene

Concen: 50.002 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

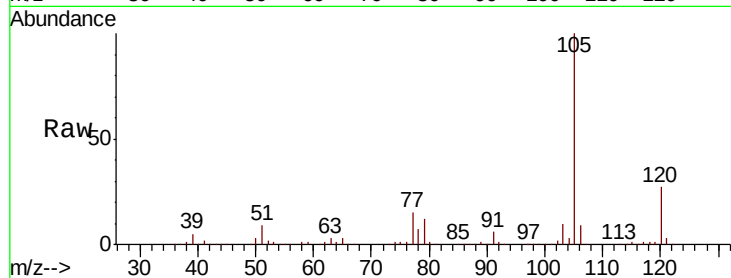
Tot Ion:105 Resp: 634768

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

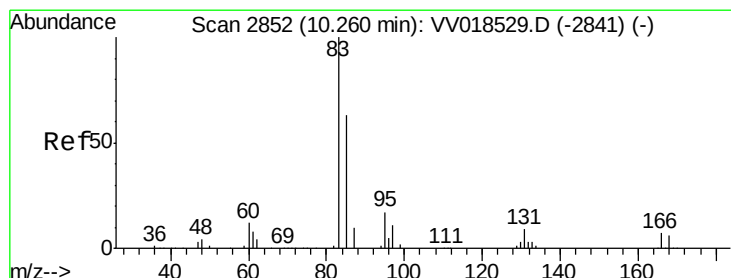
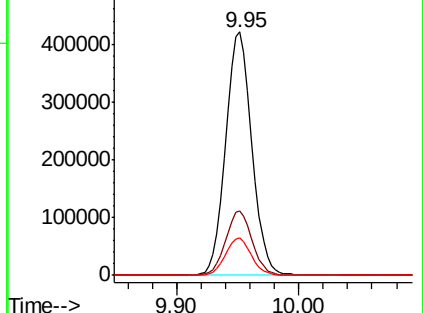
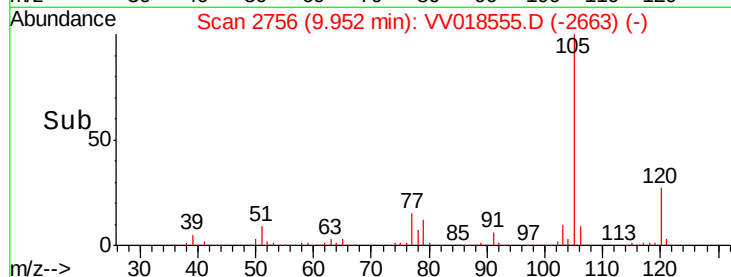
77 15.3 12.2 18.2



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: 49.193 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

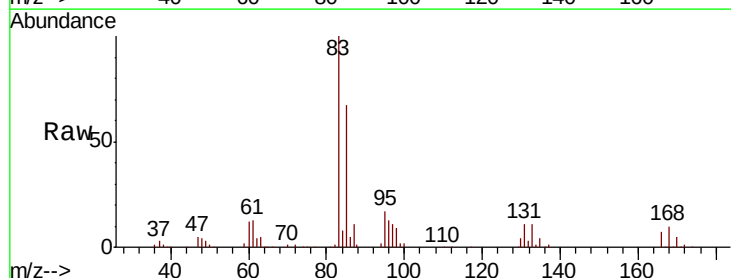
Tgt Ion: 83 Resp: 188587

Ion Ratio Lower Upper

83 100

85 67.0 44.5 82.7

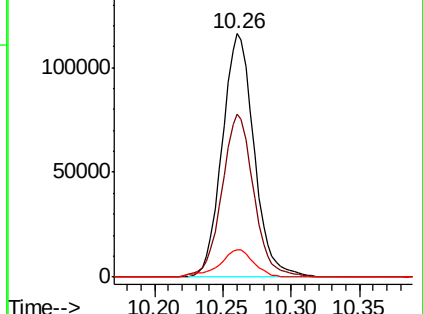
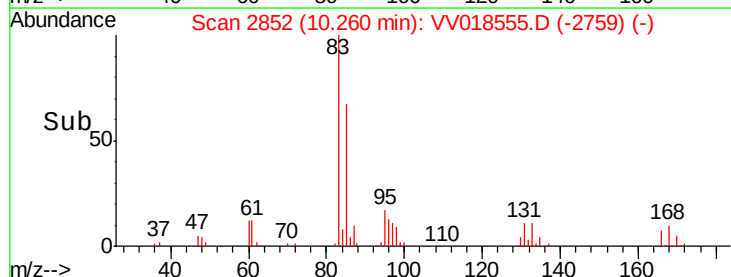
131 11.4 8.6 12.8

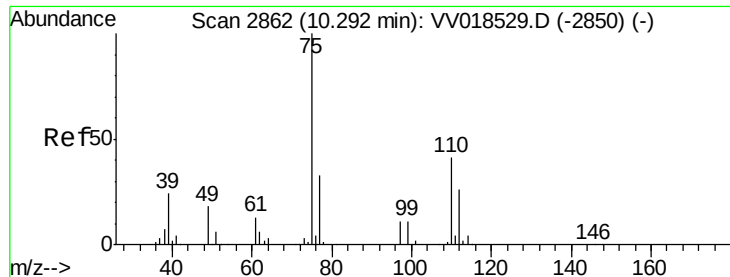


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.289 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

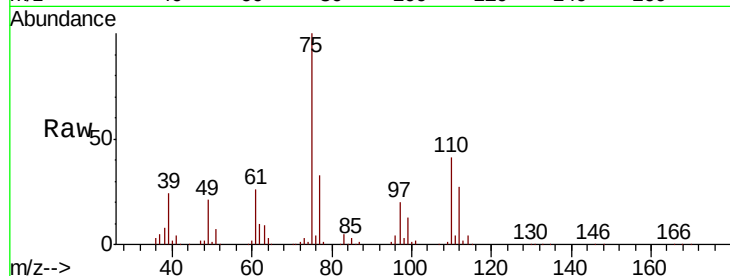
VSTD05094

Tot Ion: 75 Resp: 164714

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

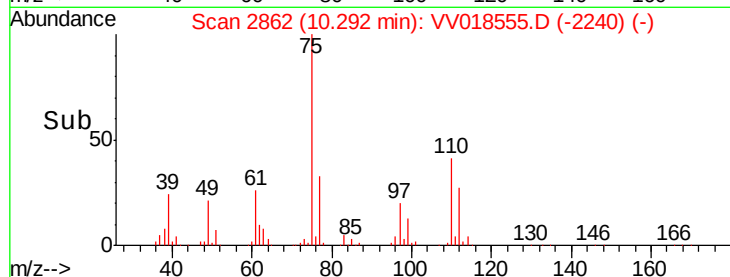


Abundance Ion 75.00 (74.70 to 75.70): VV018529.D

Ion 77.00 (76.70 to 77.70): VV018529.D

10.29

Time-->

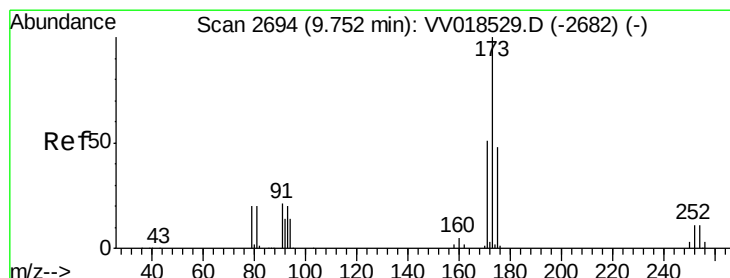


Abundance Ion 75.00 (74.70 to 75.70): VV018555.D

Ion 77.00 (76.70 to 77.70): VV018555.D

10.29

Time-->



#61

Bromoform

Concen: 49.351 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

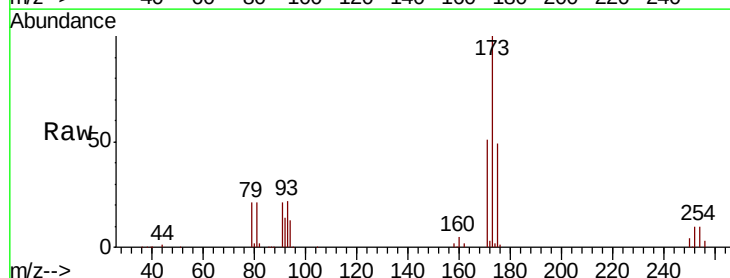
Tgt Ion: 173 Resp: 114832

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.8

254 9.9 8.5 12.7



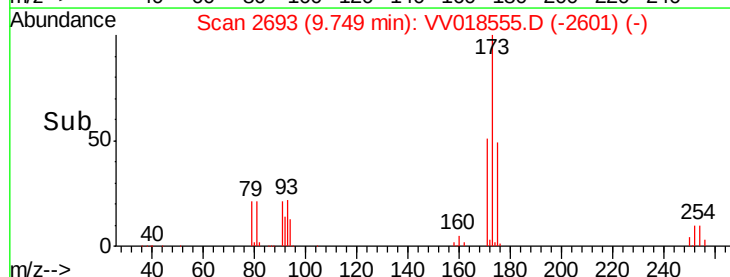
Abundance Ion 173.00 (172.70 to 173.70): VV018529.D

Ion 175.00 (174.70 to 175.70): VV018529.D

Ion 254.00 (253.70 to 254.70): VV018529.D

9.75

Time-->



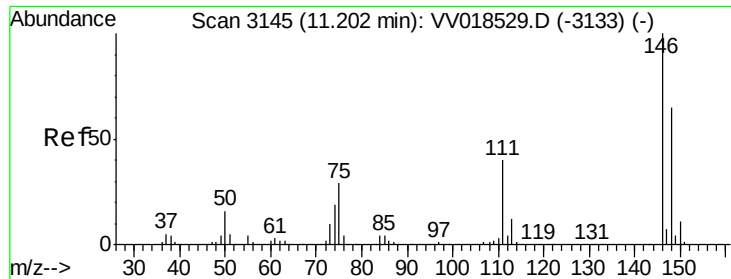
Abundance Ion 173.00 (172.70 to 173.70): VV018555.D

Ion 175.00 (174.70 to 175.70): VV018555.D

Ion 254.00 (253.70 to 254.70): VV018555.D

9.75

Time-->



#62

1,3-Dichlorobenzene

Concen: 49.316 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

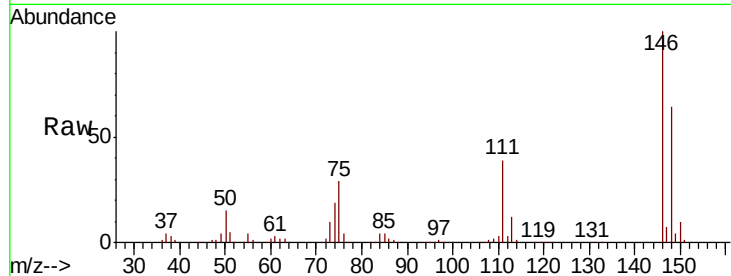
Tot Ion:146 Resp: 323300

Ion Ratio Lower Upper

146 100

111 39.0 26.8 49.8

148 64.1 44.0 81.8

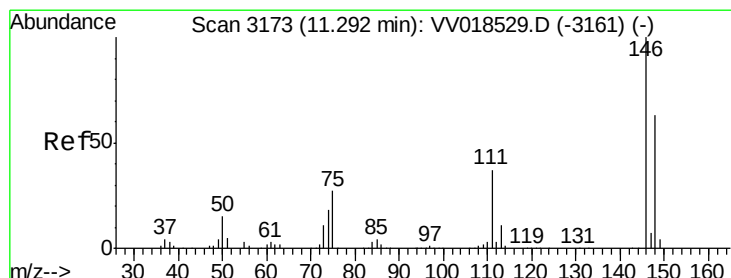
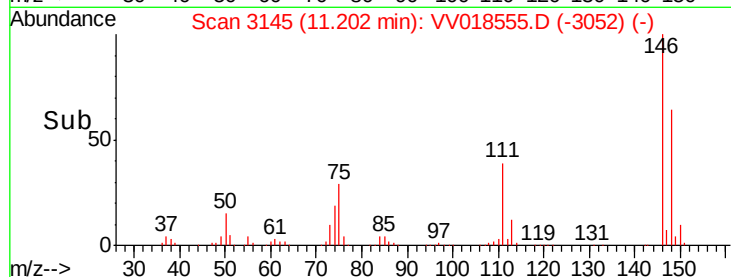
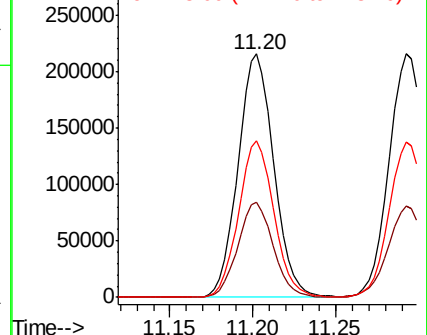


Abundance

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



#63

1,4-Dichlorobenzene

Concen: 49.260 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

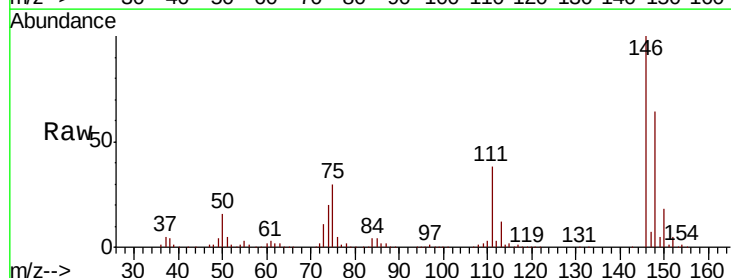
Tgt Ion:146 Resp: 332542

Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.6

148 63.7 44.4 82.5

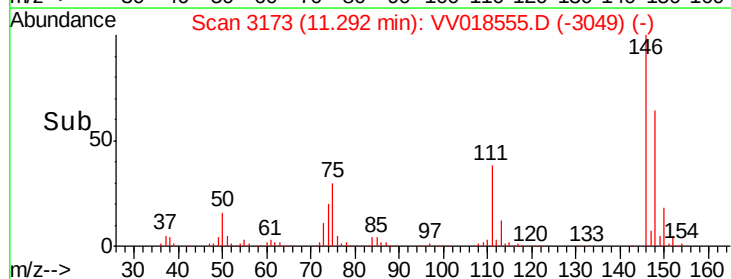
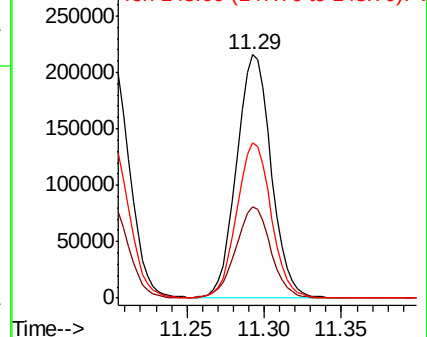


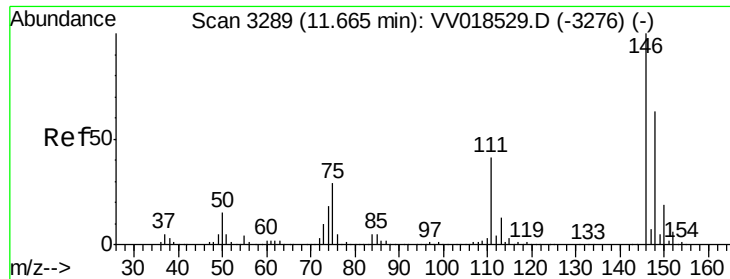
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

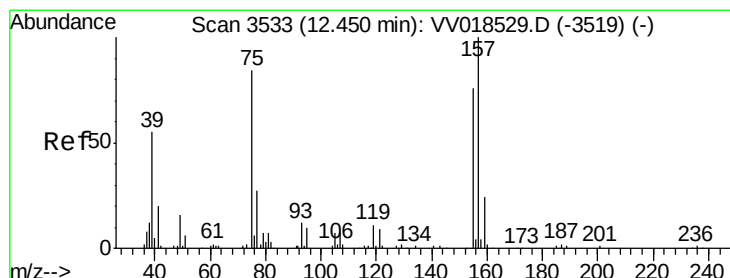
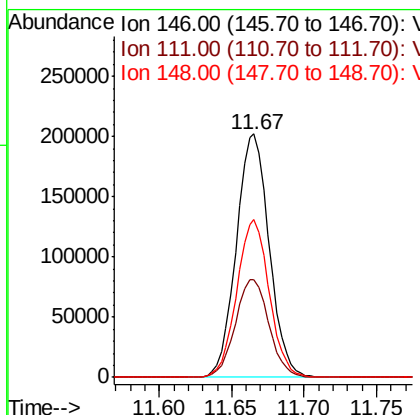
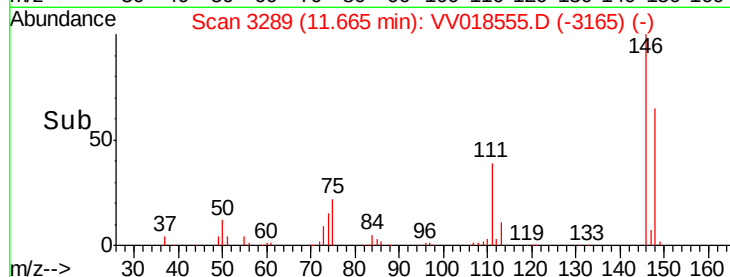
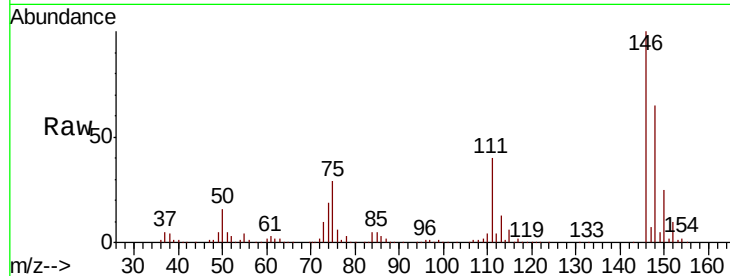




#65
 1,2-Dichlorobenzene
 Concen: 48.911 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

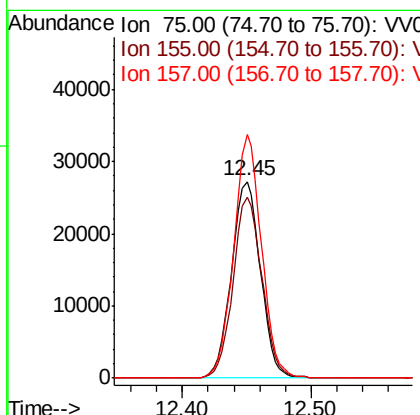
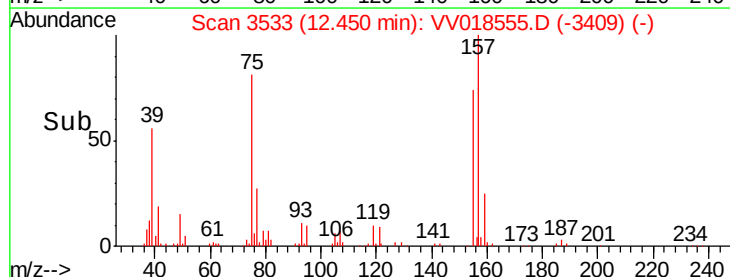
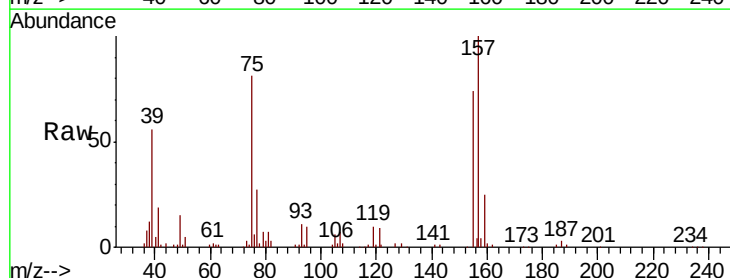
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

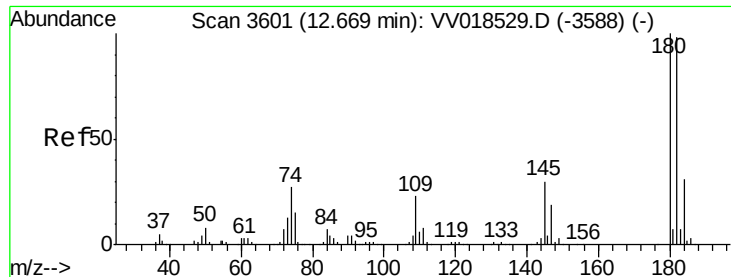
Tot Ion:146 Resp: 317211
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.8 49.2
 148 64.6 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.952 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

Tgt Ion: 75 Resp: 42455
 Ion Ratio Lower Upper
 75 100
 155 91.8 73.0 109.6
 157 123.9 95.8 143.6

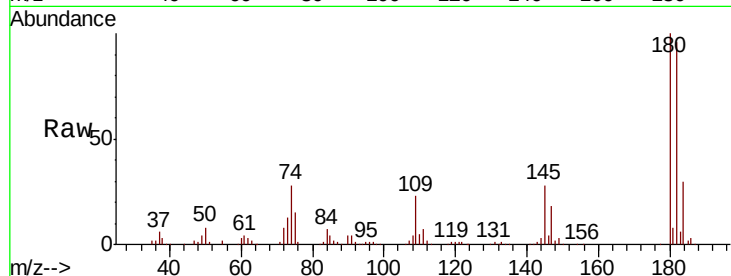




#67
 1,3,5-Trichlorobenzene
 Concen: 47.314 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.1	115.7
184	30.0	24.3	36.5
145	28.5	22.9	34.3



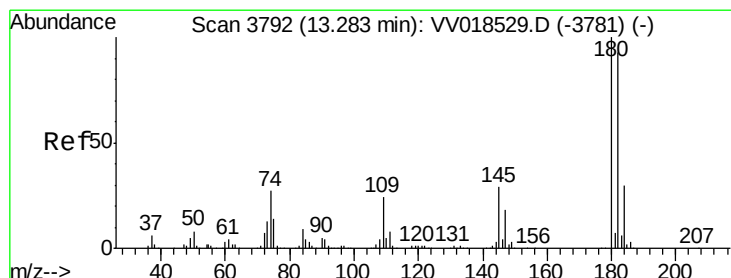
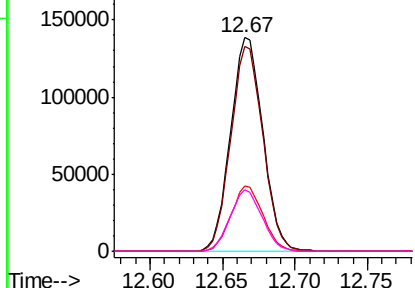
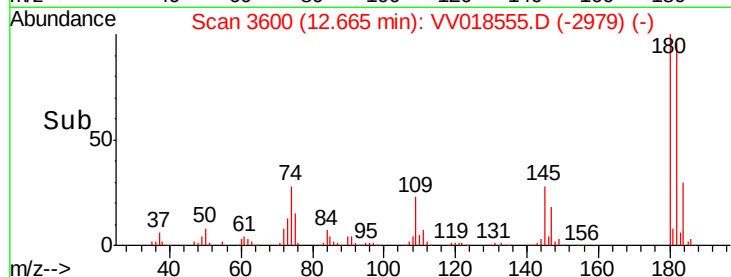
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

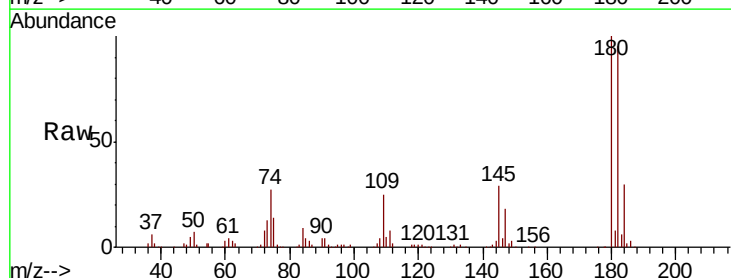
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.997 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018555.D
 Acq: 30 Sep 2020 09:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.3	114.5
145	29.2	23.6	35.4

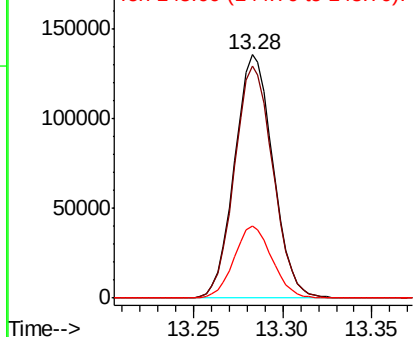
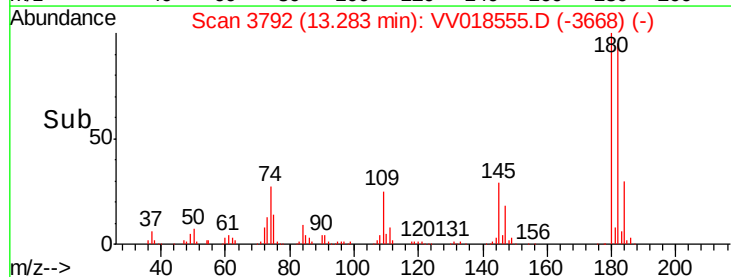


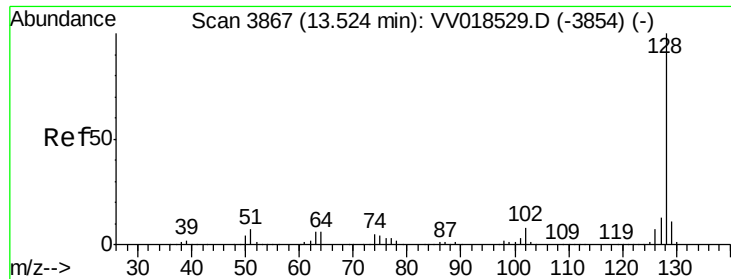
Abundance

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: 50.553 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

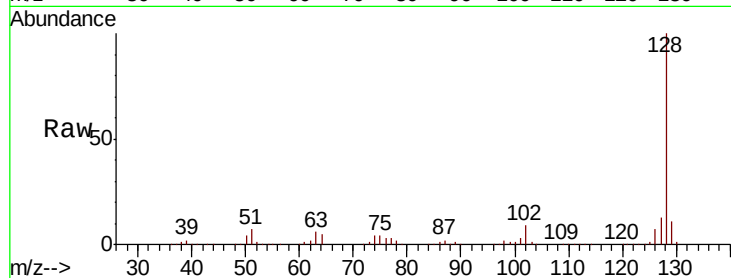
Tot Ion:128 Resp: 611497

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

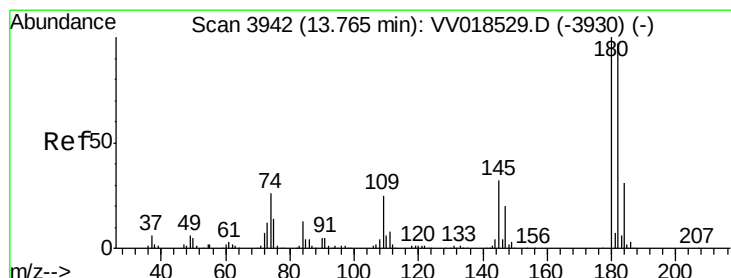
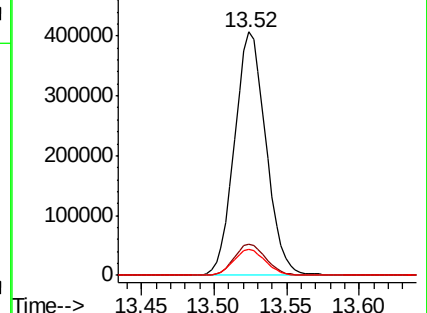
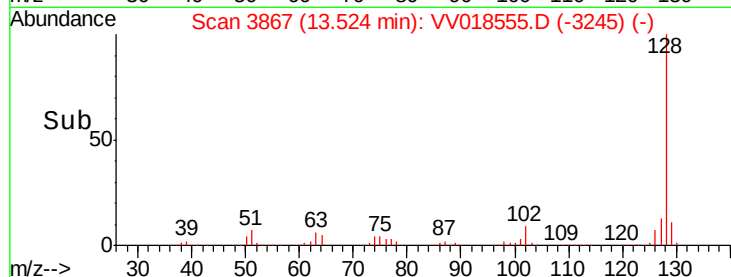
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.499 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018555.D

Acq: 30 Sep 2020 09:28

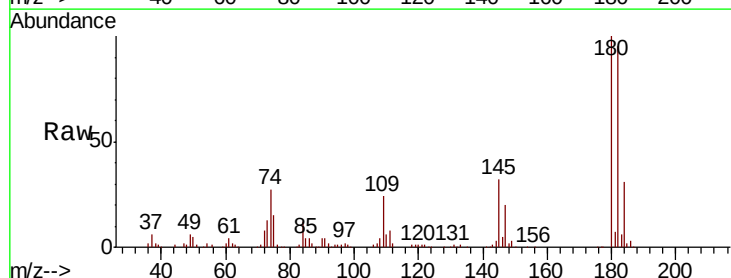
Tgt Ion:180 Resp: 201491

Ion Ratio Lower Upper

180 100

182 94.7 77.1 115.7

145 31.8 25.1 37.7



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

