

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\
 Data File : VV016946.D
 Acq On : 15 Jun 2020 19:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Quant Time: Jun 16 05:52:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 05:46:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	356596	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	340348	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178662	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99913	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.42%
7) Chloroethane-d5	1.57	69	70145	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.92%
11) 1,1-Dichloroethene-d2	2.12	63	191055	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.44%
21) 2-Butanone-d5	3.90	46	170068	91.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.32%
24) Chloroform-d	4.37	84	240306	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.94%
26) 1,2-Dichloroethane-d4	5.05	65	165273	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.07	84	448595	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.09	67	138719	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.72%
41) Toluene-d8	7.34	98	425521	47.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.52%
43) trans-1,3-Dichloropropene-	7.64	79	75331	47.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.58%
47) 2-Hexanone-d5	8.11	63	112407	84.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	182181	45.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	179793	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	135309	47.861	ug/L 98
3) Chloromethane	1.25	50	118134	45.692	ug/L 98
5) Vinyl chloride	1.32	62	117520	46.223	ug/L 99
6) Bromomethane	1.52	94	47782	45.124	ug/L 99
8) Chloroethane	1.59	64	64526	51.379	ug/L 98
9) Trichlorofluoromethane	1.76	101	192459	50.584	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95264	50.247	ug/L 99
12) 1,1-Dichloroethene	2.13	96	86141	48.671	ug/L 93
13) Acetone	2.17	43	112334	91.548	ug/L 98
14) Carbon disulfide	2.31	76	284960	44.469	ug/L 99
15) Methyl Acetate	2.44	43	129170	47.230	ug/L 99
16) Methylene chloride	2.52	84	121903	46.938	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	115958	48.052	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	400834	50.130	ug/L 99
19) 1,1-Dichloroethane	3.21	63	219221	48.262	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	127578	48.494	ug/L 99
22) 2-Butanone	3.98	43	176468	93.260	ug/L 99

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 ALS Vial : 25 Sample Multiplier: 1

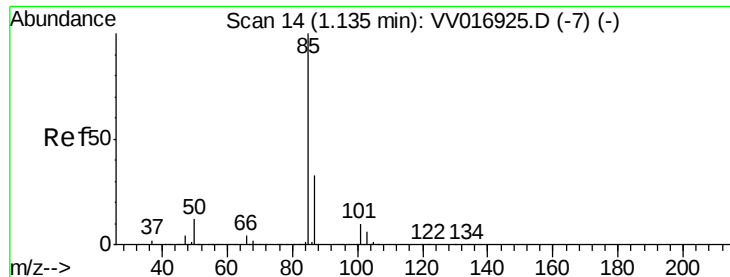
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67717	48.863	ug/L	98
25) Chloroform	4.40	83	236951	50.759	ug/L	96
27) 1,2-Dichloroethane	5.15	62	197066	50.358	ug/L	98
29) Cyclohexane	4.70	56	194487	45.985	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	217998	50.225	ug/L	99
31) Carbon tetrachloride	4.85	117	187557	49.950	ug/L	98
33) Benzene	5.13	78	480666	47.733	ug/L	100
34) Trichloroethene	5.94	95	135443	50.151	ug/L	99
35) Methylcyclohexane	6.15	83	202897	47.889	ug/L	98
37) 1,2-Dichloropropane	6.20	63	125118	47.778	ug/L	99
38) Bromodichloromethane	6.53	83	175601	50.372	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	193552	47.581	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	367041	98.910	ug/L	100
42) Toluene	7.41	91	518462	48.840	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	197465	49.931	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	123608	48.924	ug/L	98
46) Tetrachloroethene	8.00	164	105616	49.724	ug/L	98
48) 2-Hexanone	8.16	43	275170	95.636	ug/L	99
49) Dibromochloromethane	8.27	129	135317	50.092	ug/L	99
50) 1,2-Dibromoethane	8.37	107	130105	49.175	ug/L	97
51) Chlorobenzene	8.90	112	337836	48.779	ug/L	99
52) Ethylbenzene	9.03	91	587076	49.929	ug/L	98
53) m,p-Xylene	9.16	106	221752	50.652	ug/L	100
54) o-xylene	9.56	106	217994	50.488	ug/L	97
55) Styrene	9.58	104	374147	51.253	ug/L	99
56) Isopropylbenzene	9.95	105	595605	51.338	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	178659	46.121	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	158728	48.852	ug/L	99
61) Bromoform	9.75	173	91067	49.555	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	279380	49.371	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	280126	48.653	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	279163	49.227	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	41564	46.612	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	213247	50.536	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	201259	51.999	ug/L	99
69) Naphthalene	13.52	128	577390	51.861	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	200692	52.993	ug/L	98

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

```
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Sample    : VSTDCCC050EC  
Misc      : 5.0mL/MSVOA V/WATER  
ALS Vial  : 25      Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 47.861 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

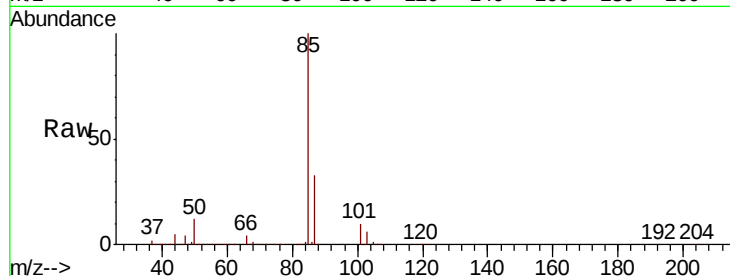
VSTD05093

Tot Ion: 85 Resp: 135309

Ion Ratio Lower Upper

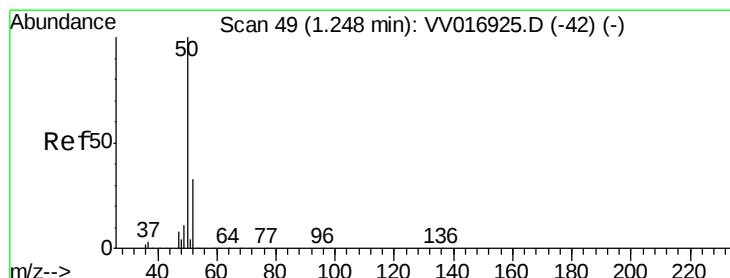
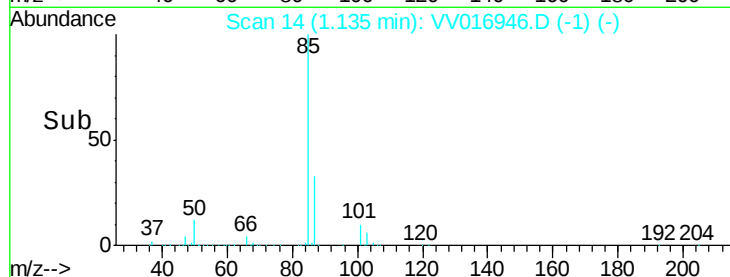
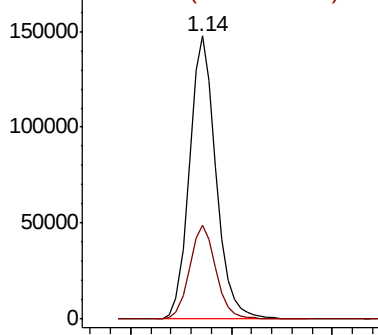
85 100

87 33.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.692 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016946.D

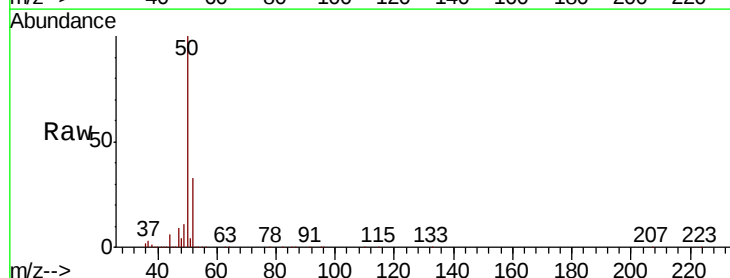
Acq: 15 Jun 2020 19:50

Tgt Ion: 50 Resp: 118134

Ion Ratio Lower Upper

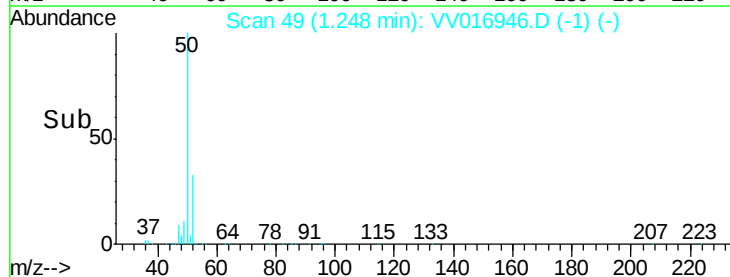
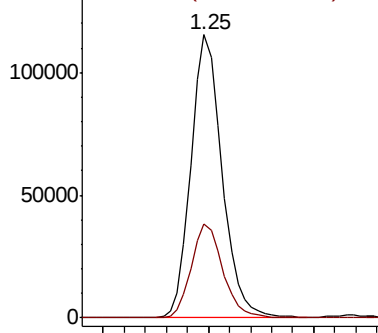
50 100

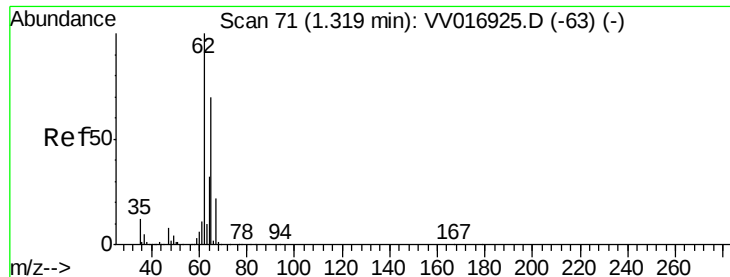
52 33.0 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.223 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

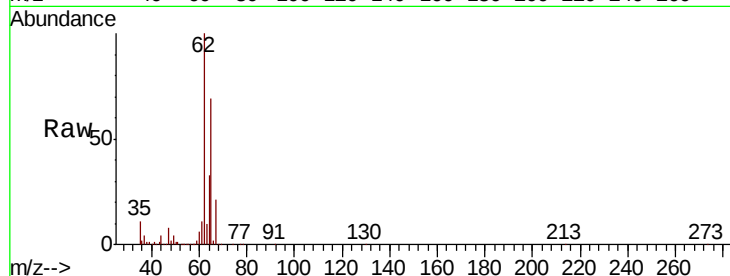
VSTD05093

Tot Ion: 62 Resp: 117520

Ion Ratio Lower Upper

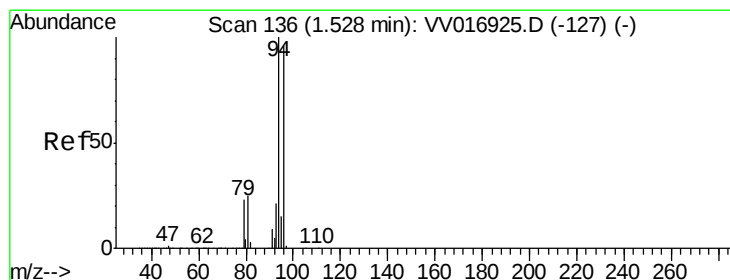
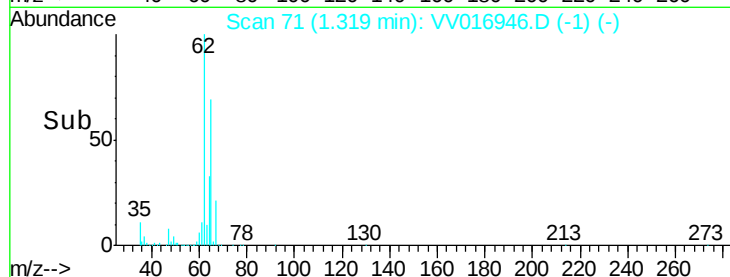
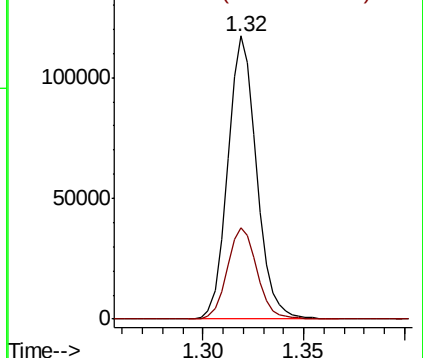
62 100

64 32.5 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: 45.124 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV016946.D

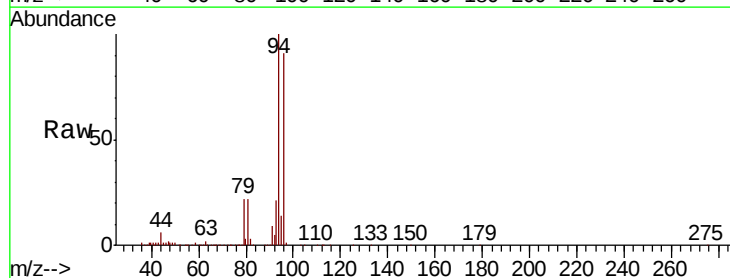
Acq: 15 Jun 2020 19:50

Tgt Ion: 94 Resp: 47782

Ion Ratio Lower Upper

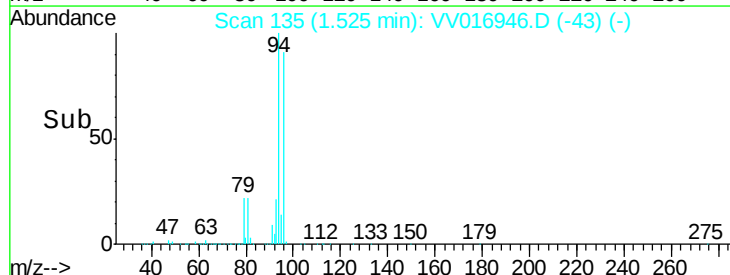
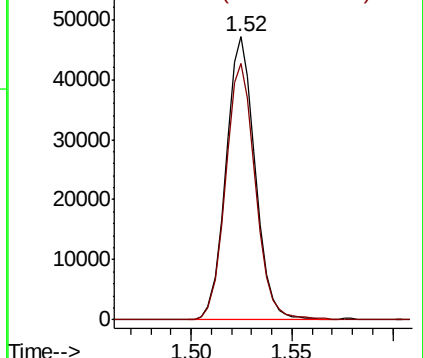
94 100

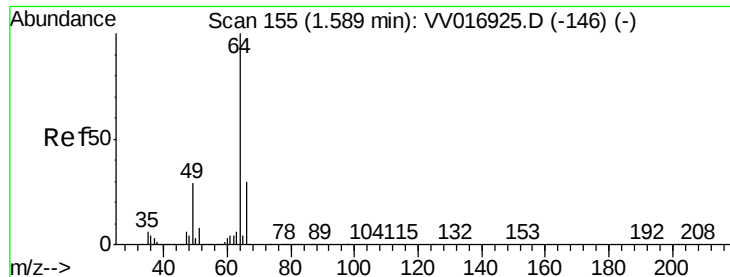
96 90.8 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 51.379 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

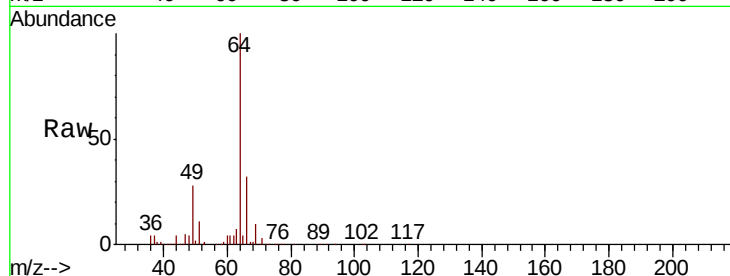
VSTD05093

Tot Ion: 64 Resp: 64526

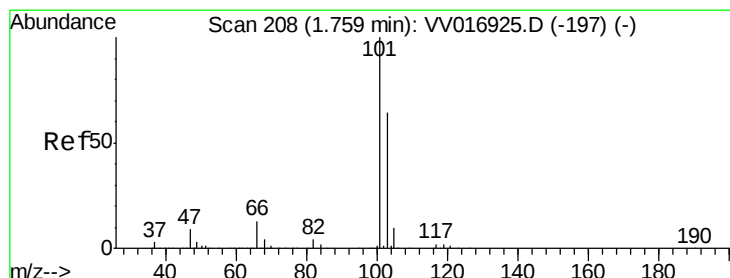
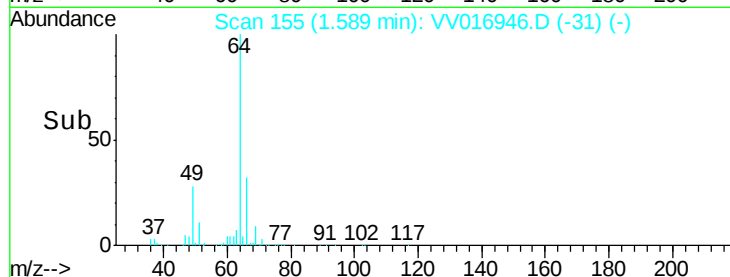
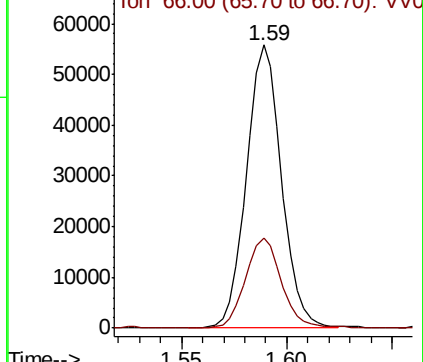
Ion Ratio Lower Upper

64 100

66 31.7 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016946.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 50.584 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV016946.D

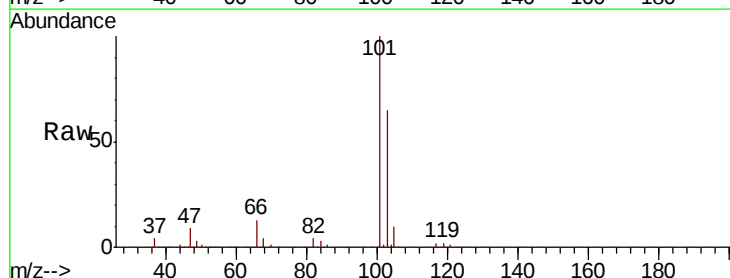
Acq: 15 Jun 2020 19:50

Tgt Ion: 101 Resp: 192459

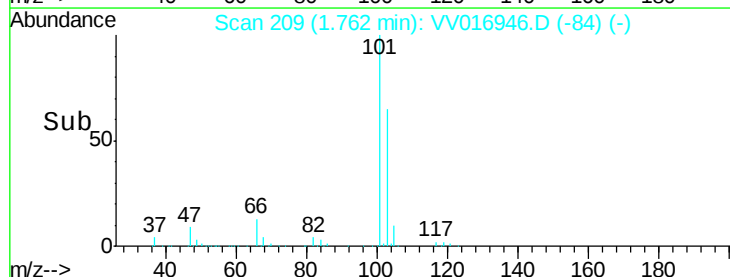
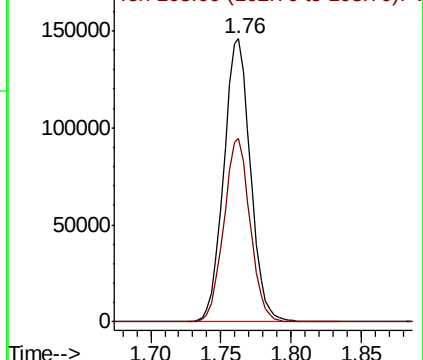
Ion Ratio Lower Upper

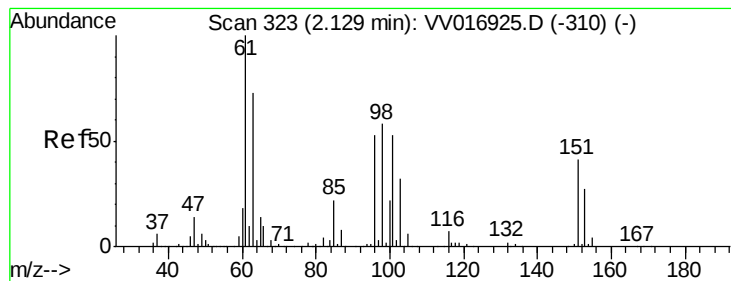
101 100

103 63.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016946.D (-197) (-)





#10

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

Concen: 50.247 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

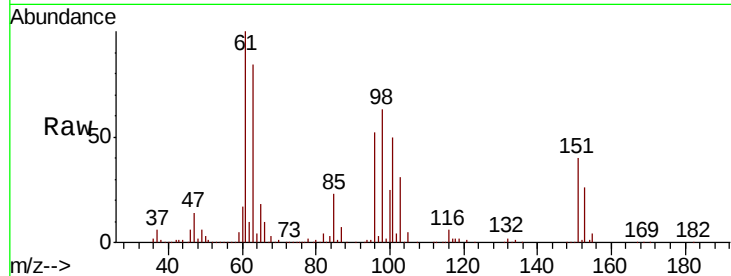
Tot Ion:101 Resp: 95264

Ion Ratio Lower Upper

101 100

85 45.2 35.5 53.3

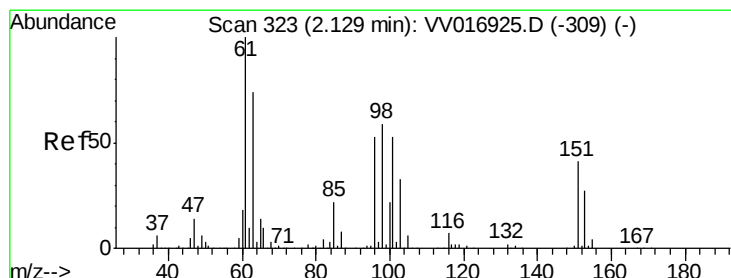
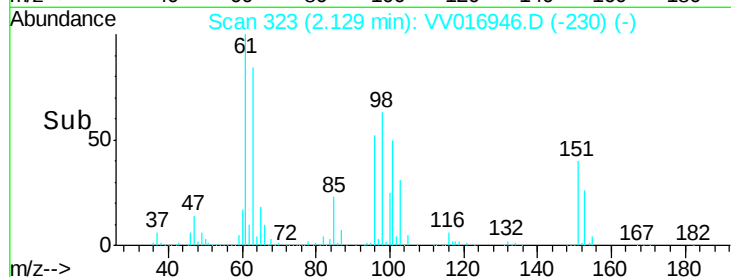
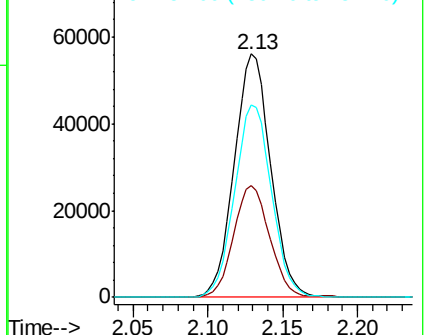
151 80.1 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016946.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016946.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016946.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 48.671 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

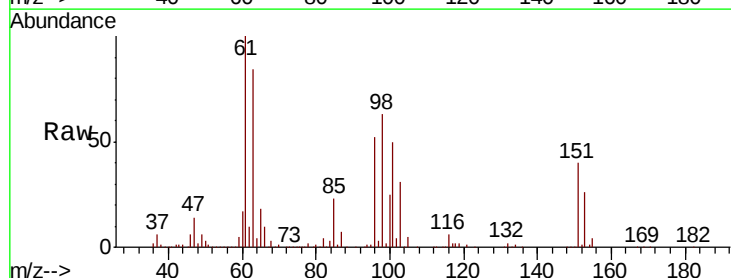
Tgt Ion: 96 Resp: 86141

Ion Ratio Lower Upper

96 100

61 191.9 130.4 242.2

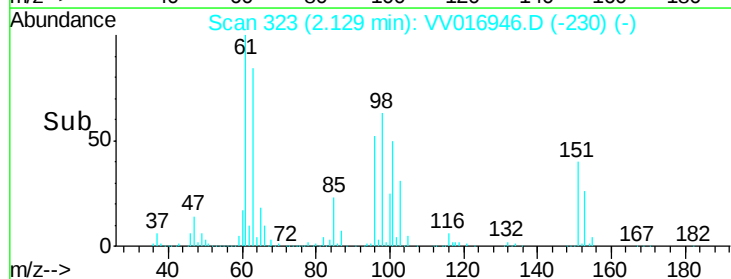
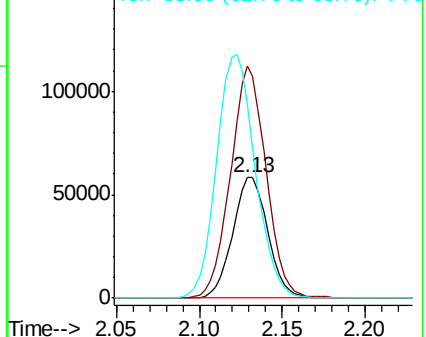
63 160.3 103.3 191.9

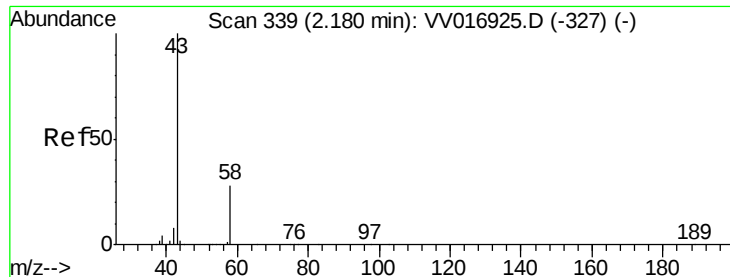


Abundance Ion 96.00 (95.70 to 96.70): VV016946.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016946.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016946.D (-230) (-)





#13

Acetone

Concen: 91.548 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.01 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

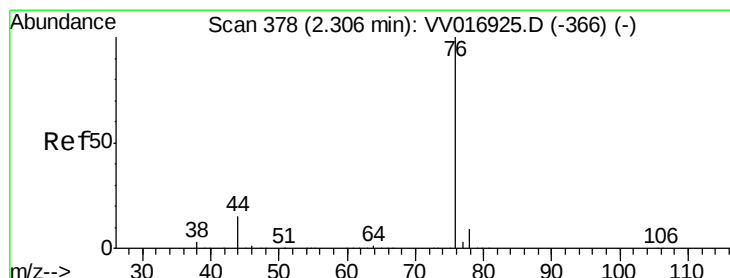
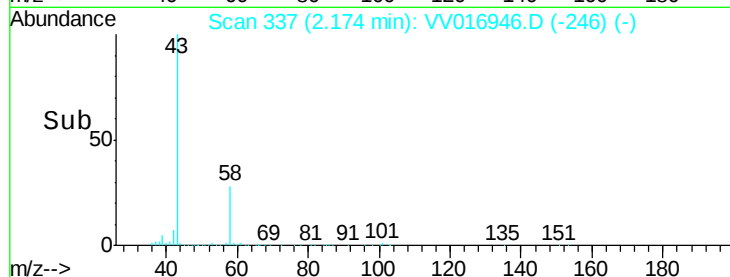
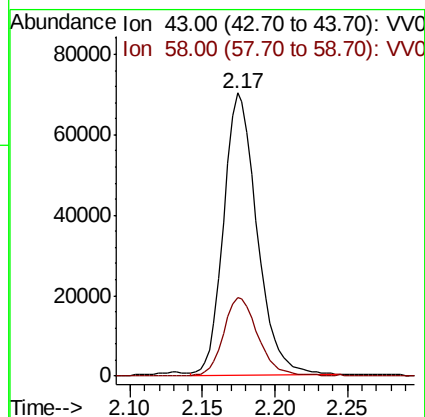
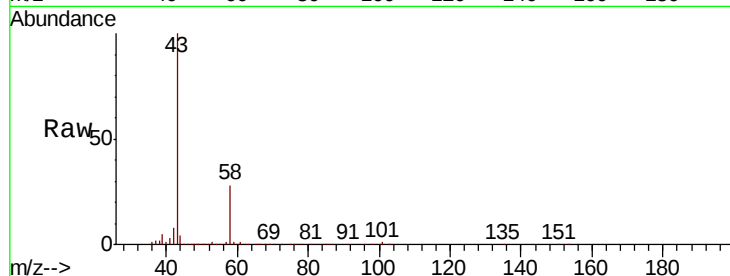
VSTD05093

Tot Ion: 43 Resp: 112334

Ion Ratio Lower Upper

43 100

58 28.8 0.0 55.2



#14

Carbon disulfide

Concen: 44.469 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016946.D

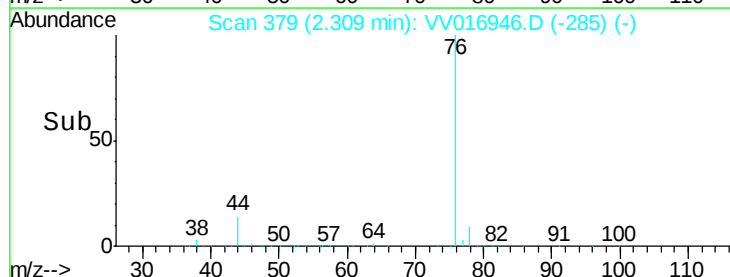
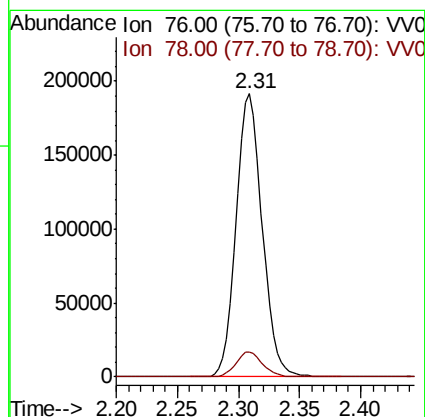
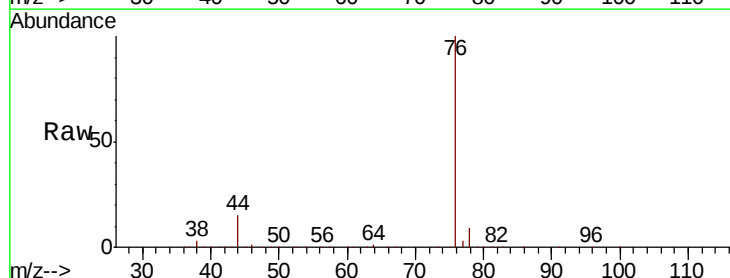
Acq: 15 Jun 2020 19:50

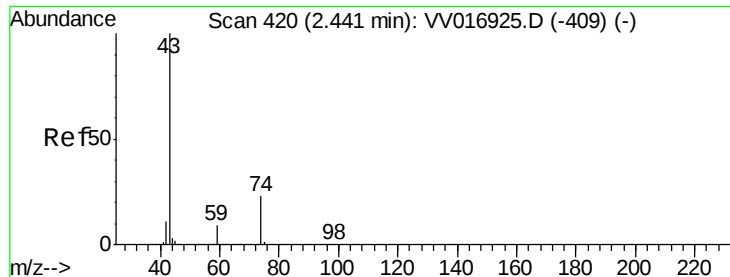
Tgt Ion: 76 Resp: 284960

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methvl Acetate

Concen: 47.230 ug/L

RT: 2.44 min Scan# 420

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

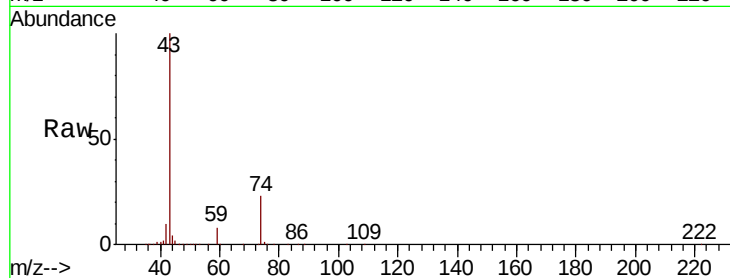
VSTD05093

Tot Ion: 43 Resp: 129170

Ion Ratio Lower Upper

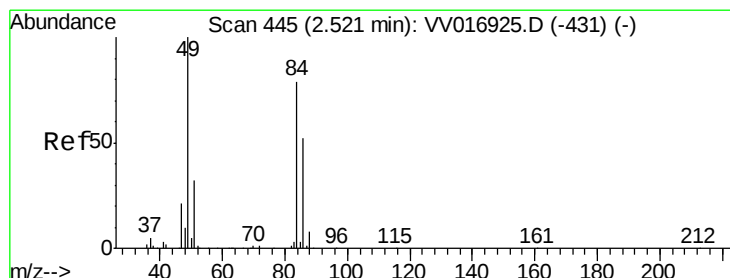
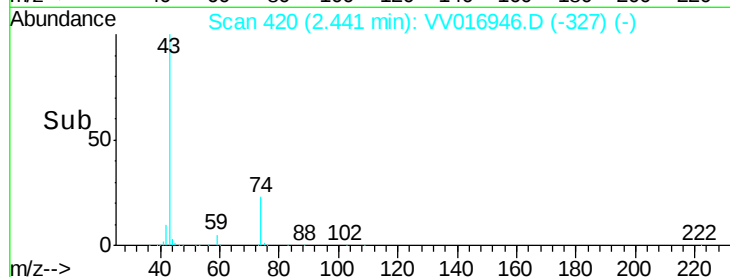
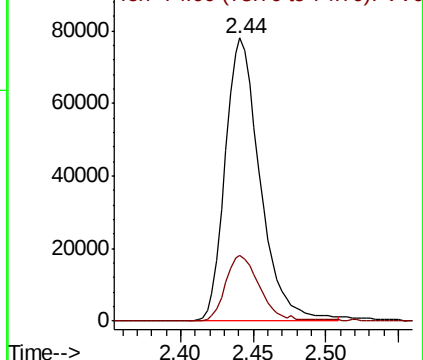
43 100

74 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.938 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

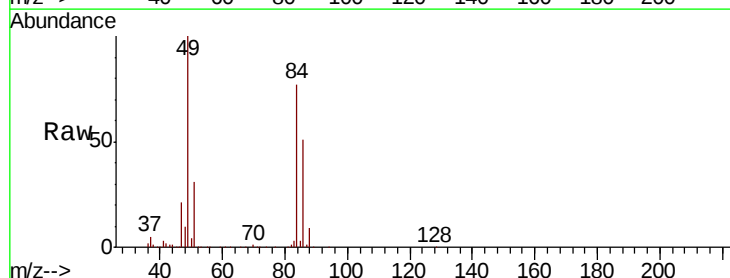
Tgt Ion: 84 Resp: 121903

Ion Ratio Lower Upper

84 100

86 65.9 44.0 81.8

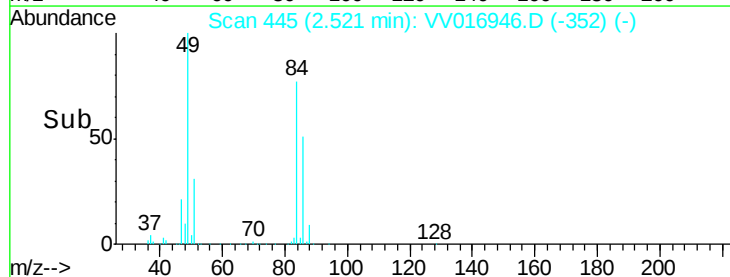
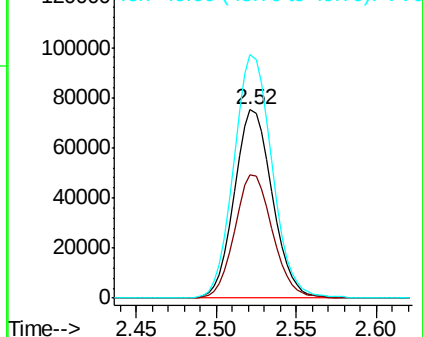
49 129.5 90.9 168.9

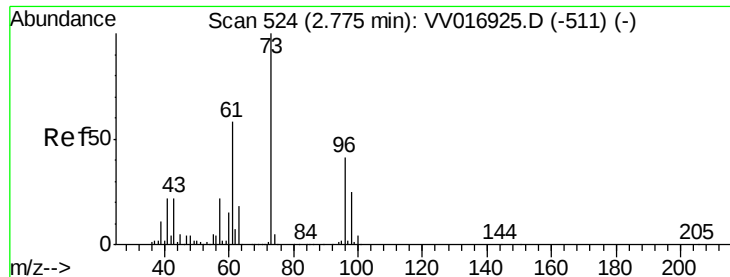


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.052 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

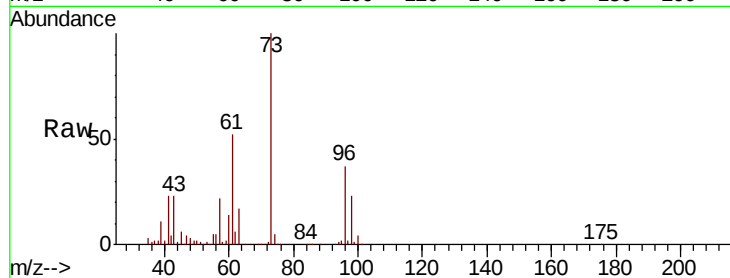
Tot Ion: 96 Resp: 115958

Ion Ratio Lower Upper

96 100

61 139.8 102.9 191.1

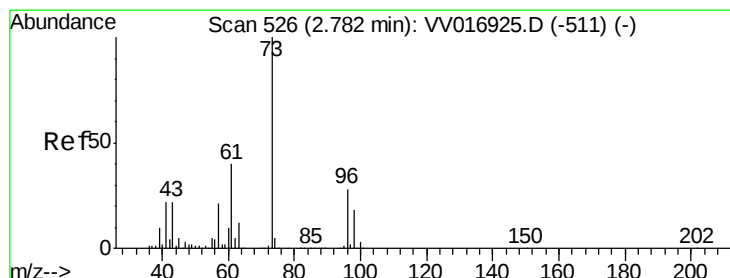
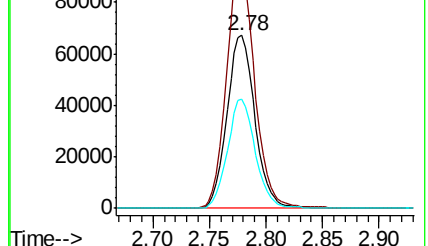
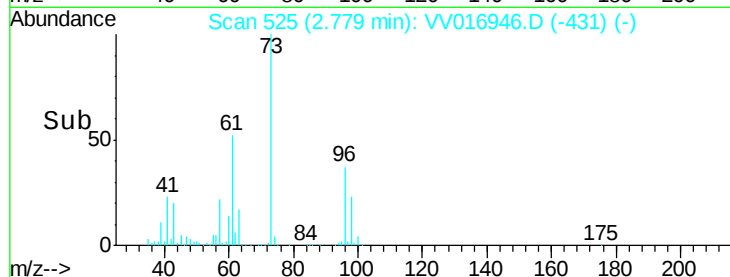
98 63.2 45.5 84.5



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: 50.130 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

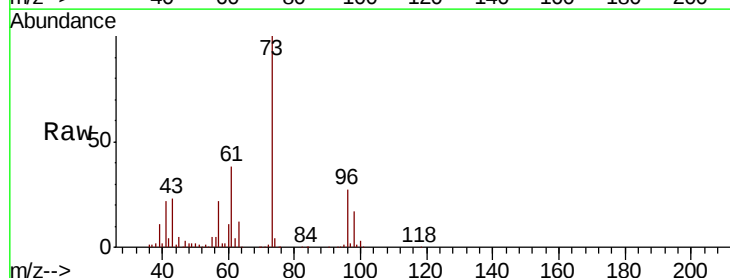
Tgt Ion: 73 Resp: 400834

Ion Ratio Lower Upper

73 100

43 23.0 17.8 26.6

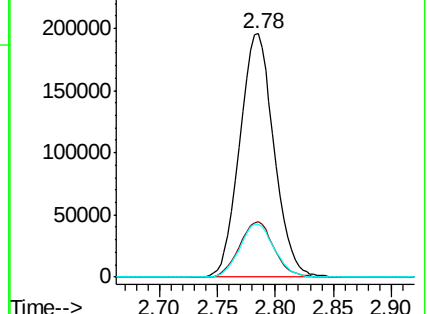
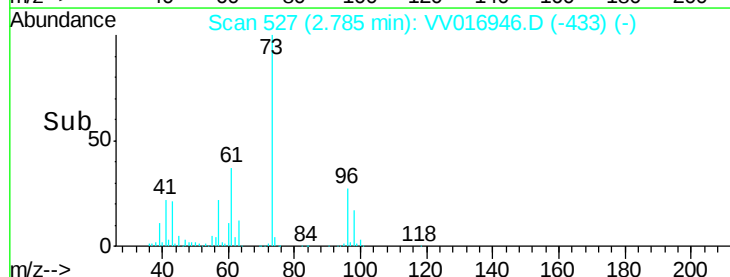
57 22.0 17.7 26.5

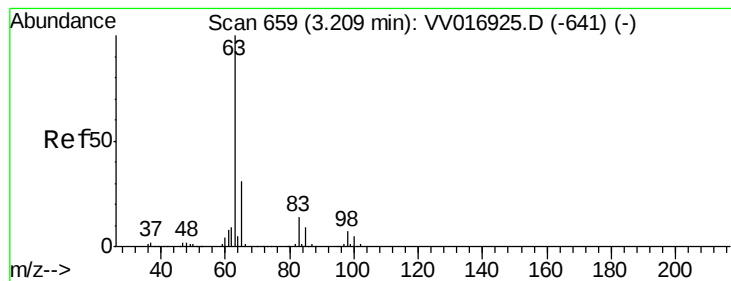


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.262 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampled :

VSTD05093

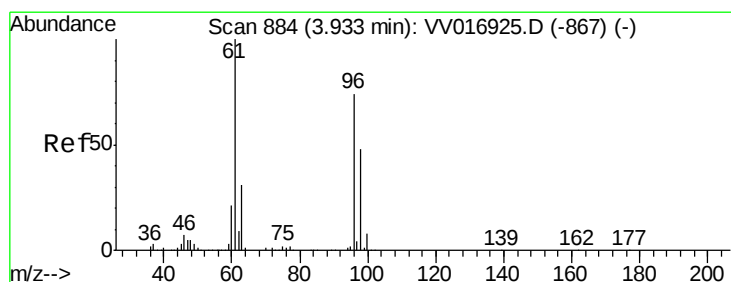
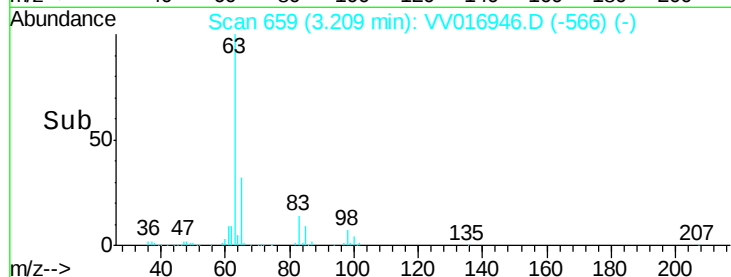
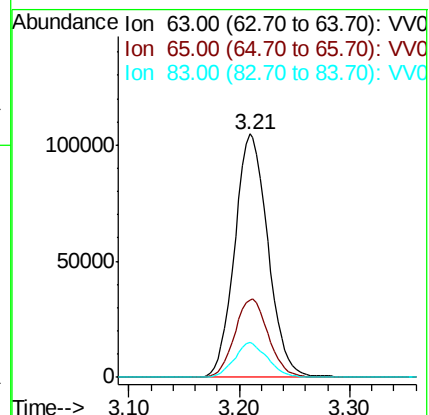
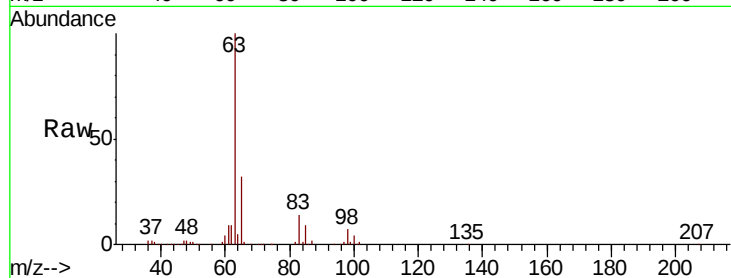
Tot Ion: 63 Resp: 219221

Ion Ratio Lower Upper

63 100

65 31.9 23.2 43.0

83 14.4 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 48.494 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

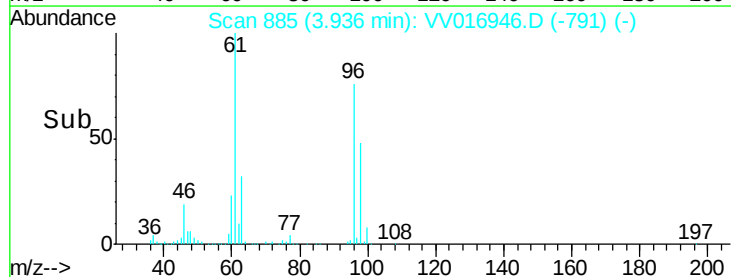
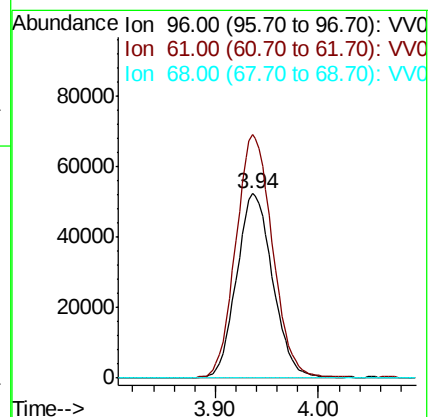
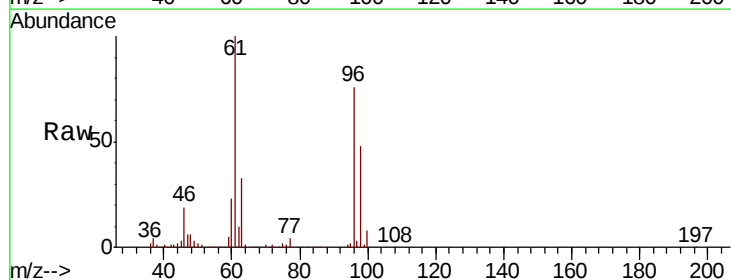
Tgt Ion: 96 Resp: 127578

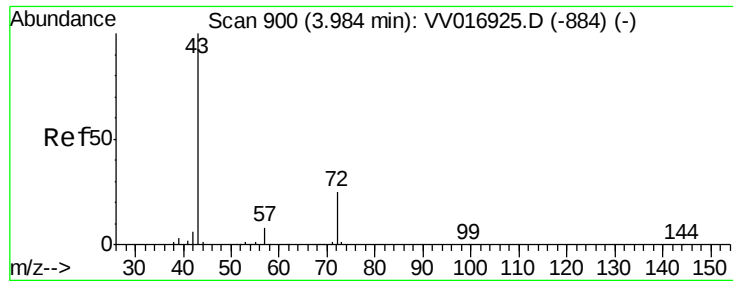
Ion Ratio Lower Upper

96 100

61 132.2 93.4 173.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.260 ug/L

RT: 3.98 min Scan# 899

Delta R.T. -0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

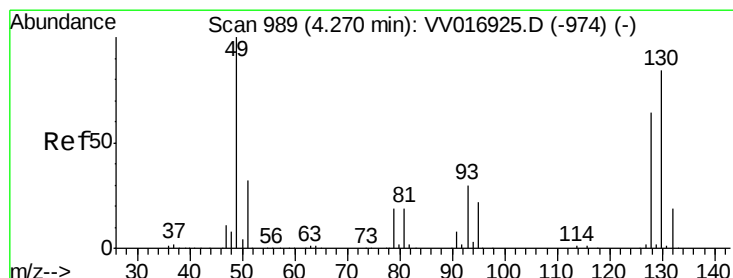
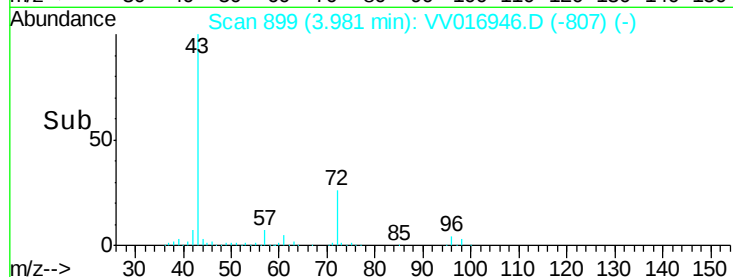
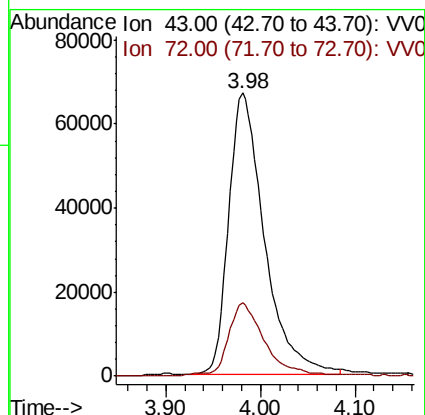
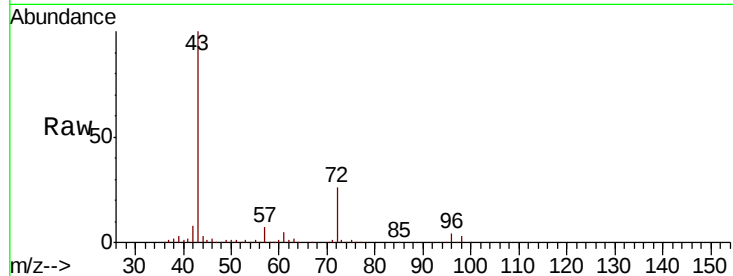
VSTD05093

Tot Ion: 43 Resp: 176468

Ion Ratio Lower Upper

43 100

72 25.6 12.4 37.4



#23

Bromochloromethane

Concen: 48.863 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Tgt Ion: 128 Resp: 67717

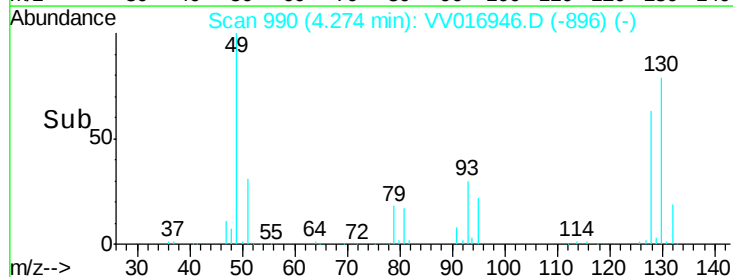
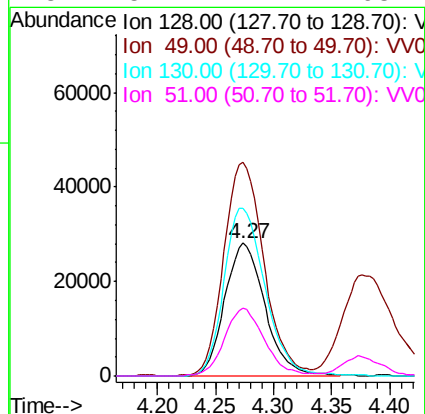
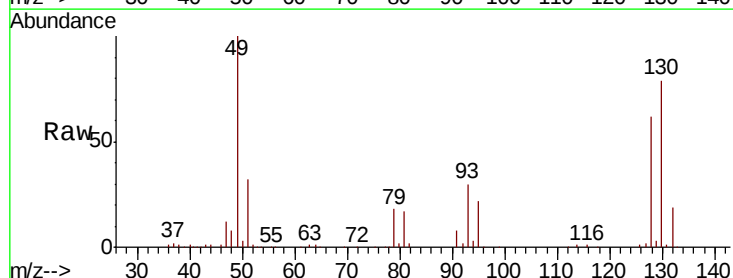
Ion Ratio Lower Upper

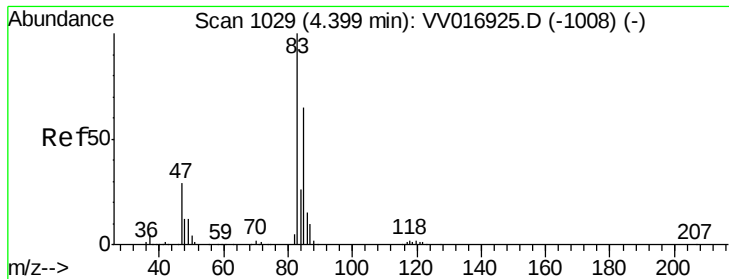
128 100

49 160.9 111.9 207.9

130 126.4 91.5 169.9

51 51.1 42.1 63.1





#25

Chloroform

Concen: 50.759 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

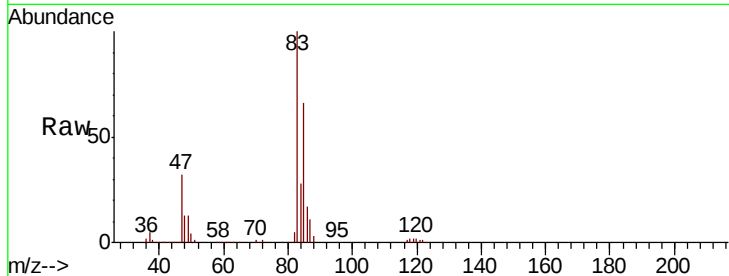
VSTD05093

Tot Ion: 83 Resp: 236951

Ion Ratio Lower Upper

83 100

85 65.8 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV016946.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV016946.D (-936) (-)

4.40

100000

80000

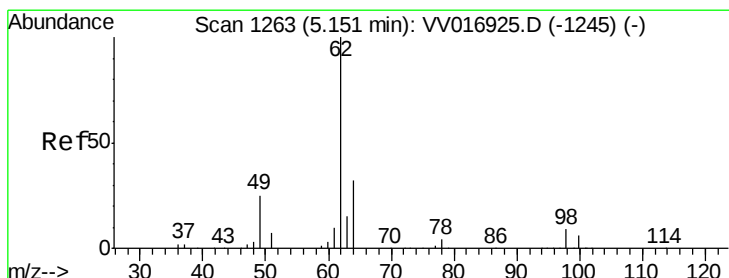
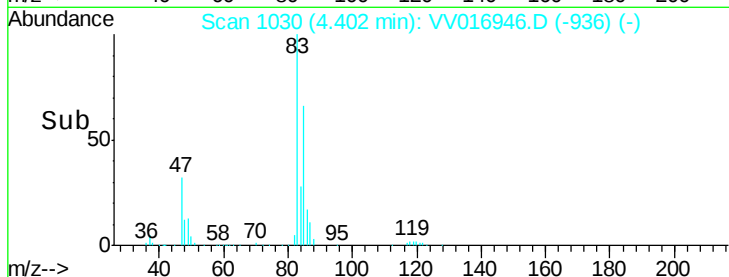
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 50.358 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016946.D

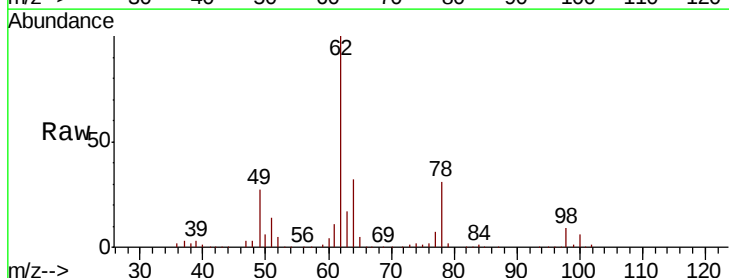
Acq: 15 Jun 2020 19:50

Tgt Ion: 62 Resp: 197066

Ion Ratio Lower Upper

62 100

98 8.6 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016946.D (-1170) (-)

Ion 98.00 (97.70 to 98.70): VV016946.D (-1170) (-)

5.15

100000

80000

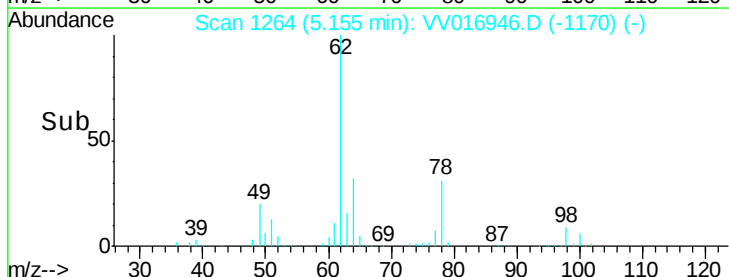
60000

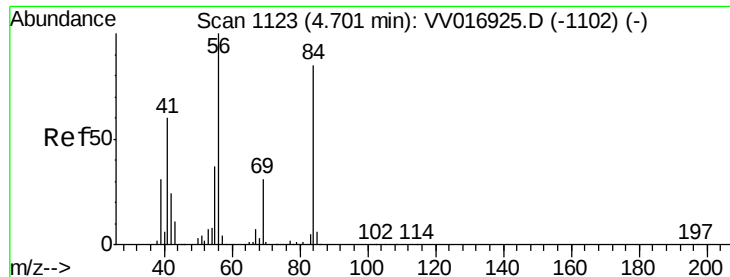
40000

20000

0

Time-->





#29

Cyclohexane

Concen: 45.985 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

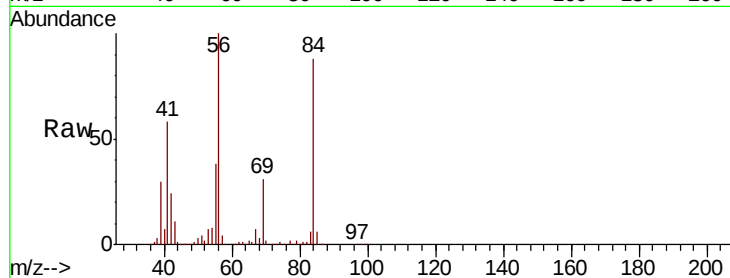
Tot Ion: 56 Resp: 194487

Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.4

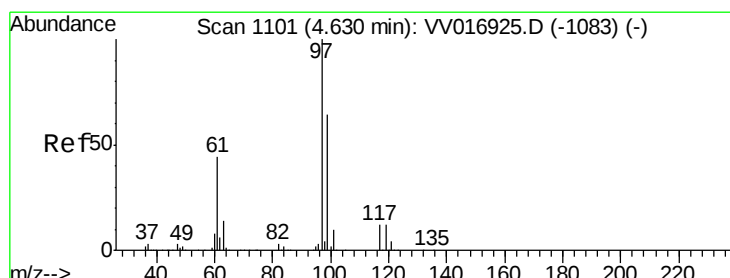
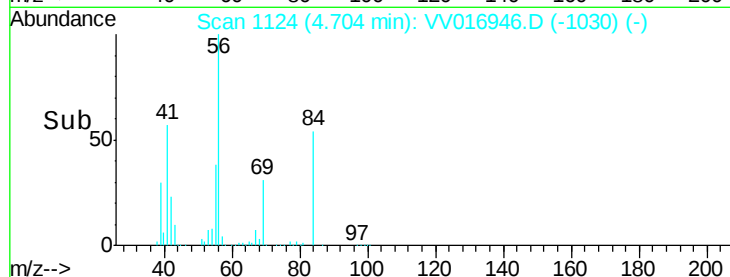
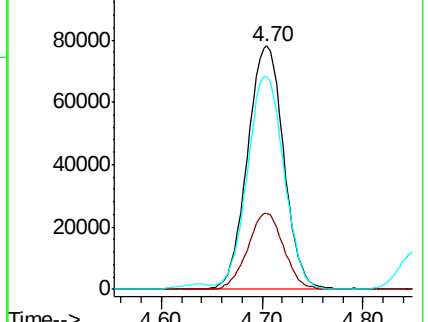
84 89.0 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016946.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV016946.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV016946.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 50.225 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

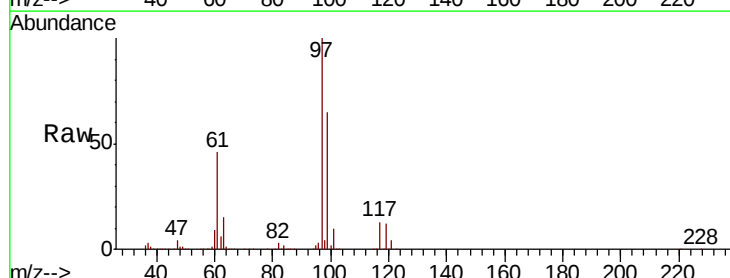
Tgt Ion: 97 Resp: 217998

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

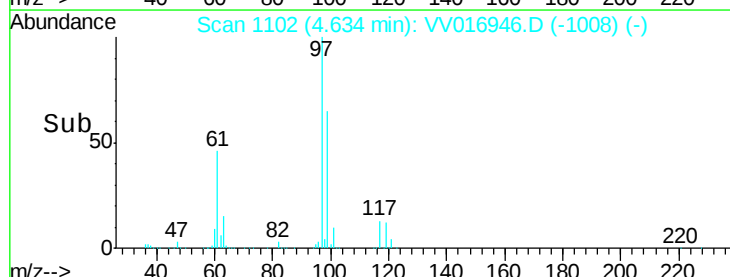
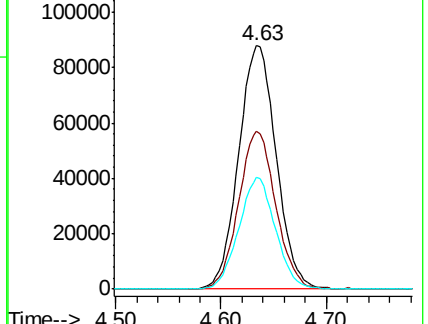
61 44.5 36.7 55.1

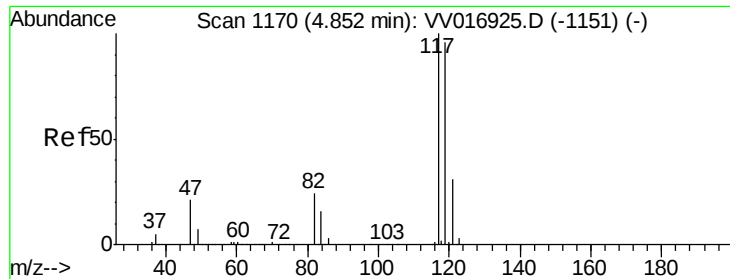


Abundance Ion 97.00 (96.70 to 97.70): VV016946.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV016946.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV016946.D (-1008) (-)



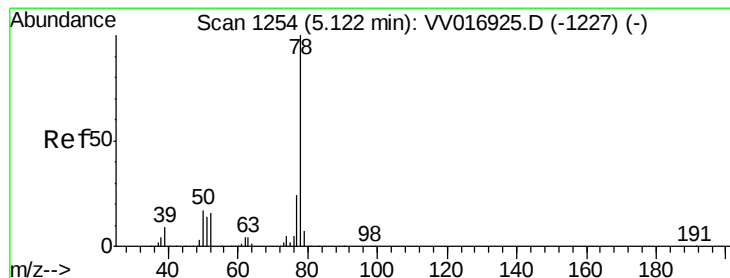
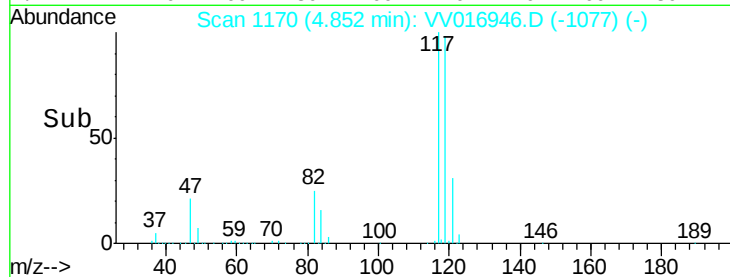
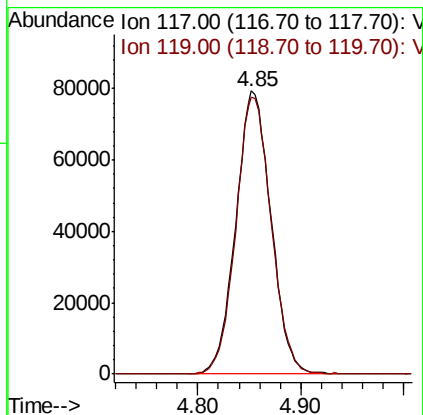
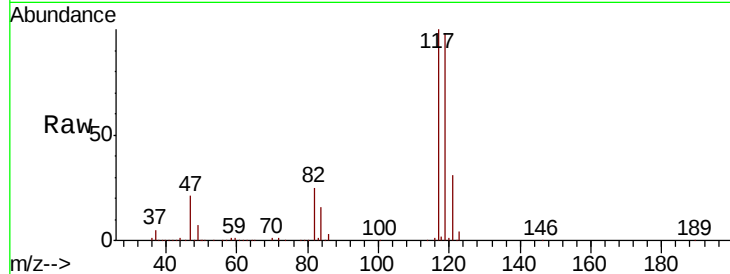


#31

Carbon tetrachloride
 Concen: 49.950 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

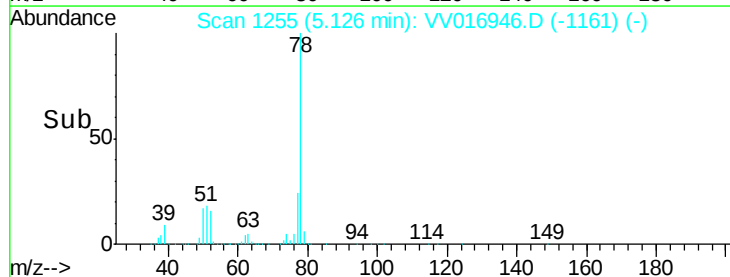
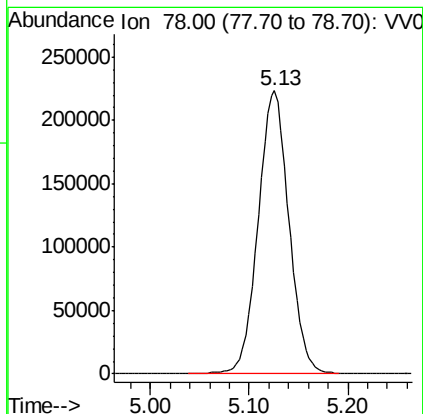
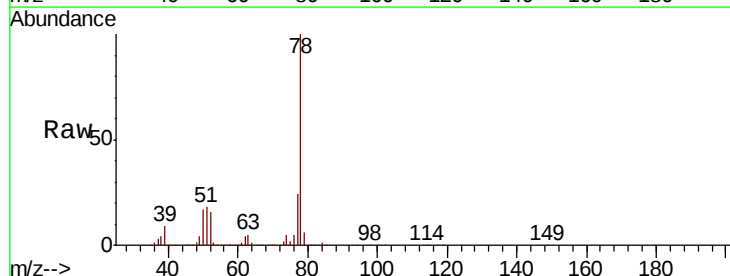
Tot Ion:117 Resp: 187557
 Ion Ratio Lower Upper
 117 100
 119 98.4 77.4 116.2

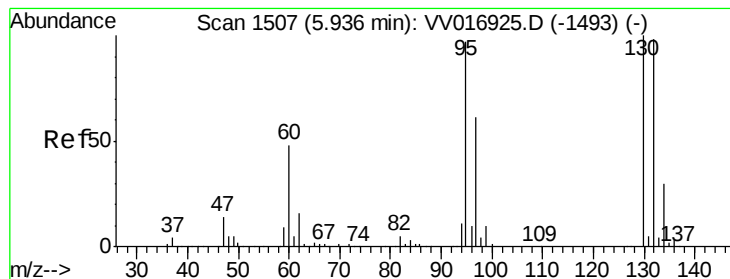


#33

Benzene
 Concen: 47.733 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Tgt Ion: 78 Resp: 480666





#34

Trichloroethene

Concen: 50.151 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 95 Resp: 135443

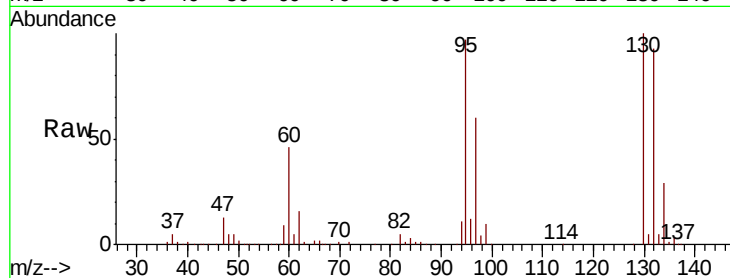
Ion Ratio Lower Upper

95 100

97 61.8 44.3 82.3

132 96.1 67.9 126.1

130 103.5 72.2 134.2

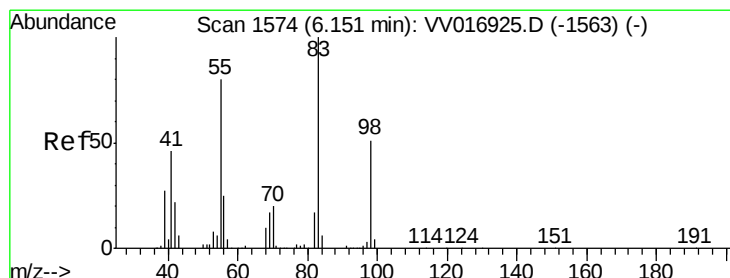
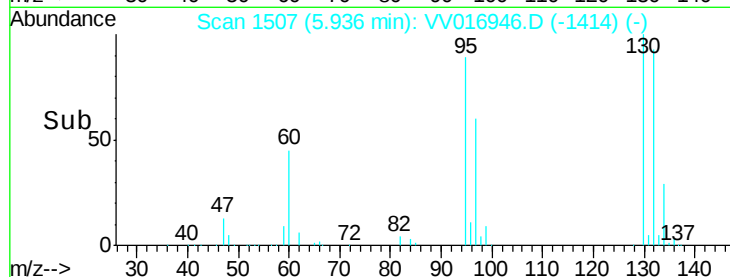
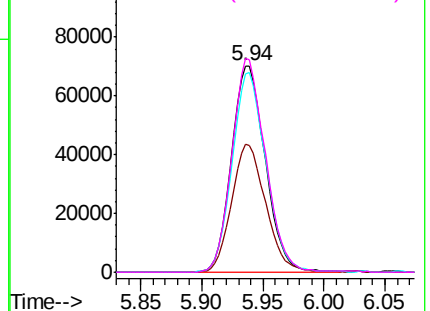


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.889 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

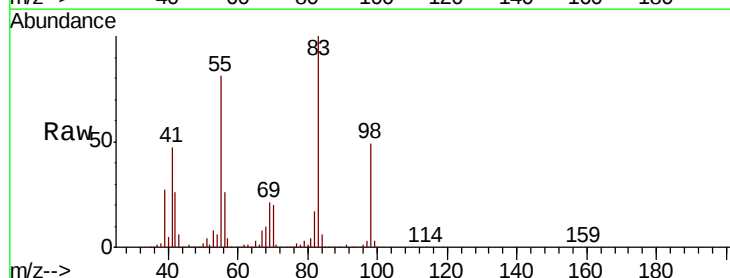
Tgt Ion: 83 Resp: 202897

Ion Ratio Lower Upper

83 100

55 78.6 64.2 96.2

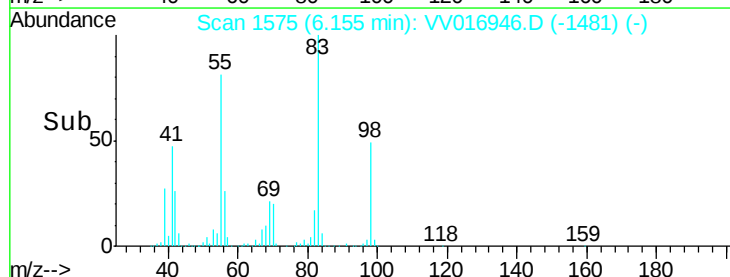
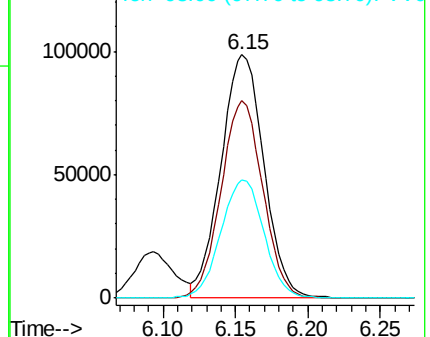
98 49.0 40.3 60.5

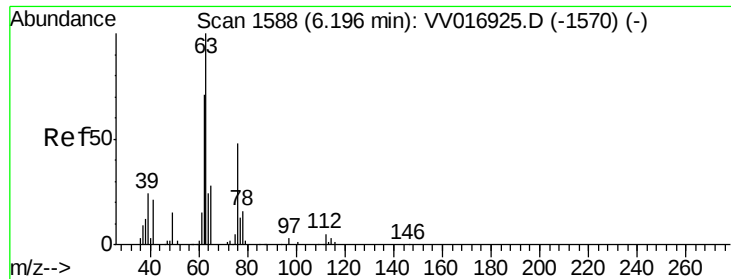


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 47.778 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

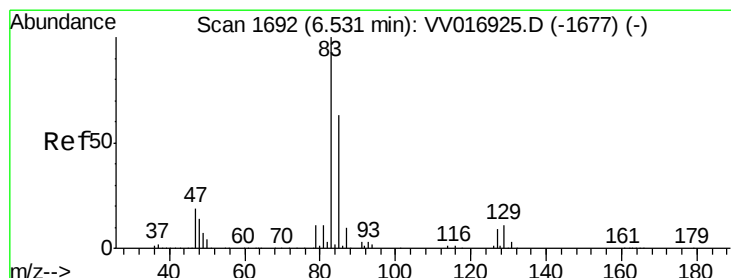
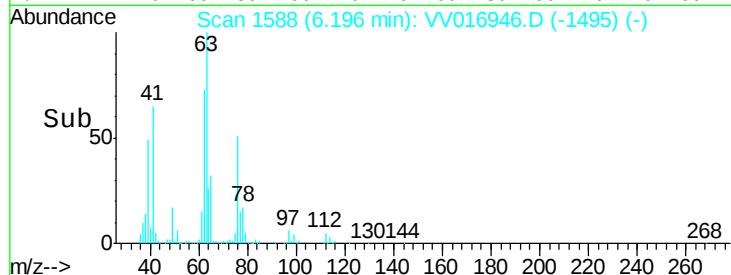
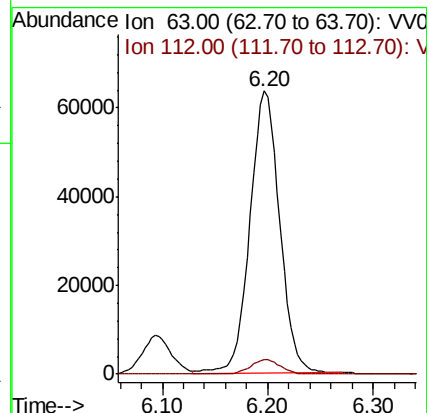
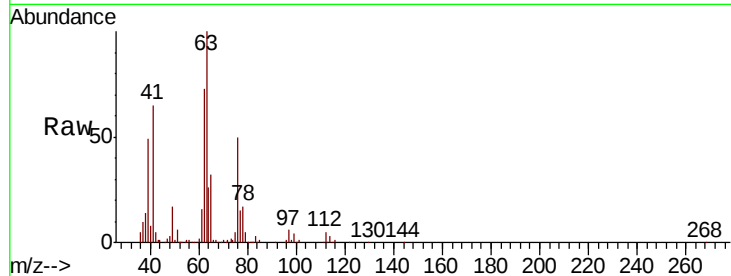
VSTD05093

Tot Ion: 63 Resp: 125118

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.6



#38

Bromodichloromethane

Concen: 50.372 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

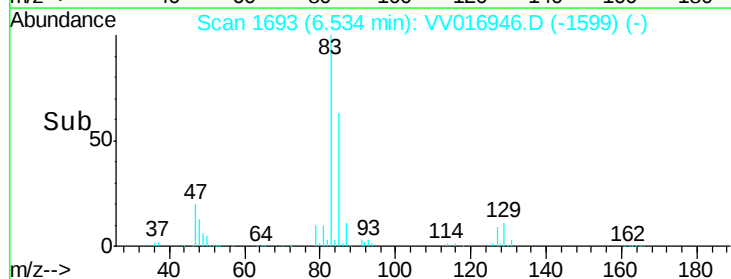
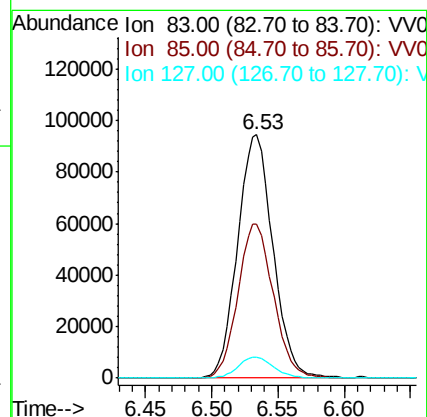
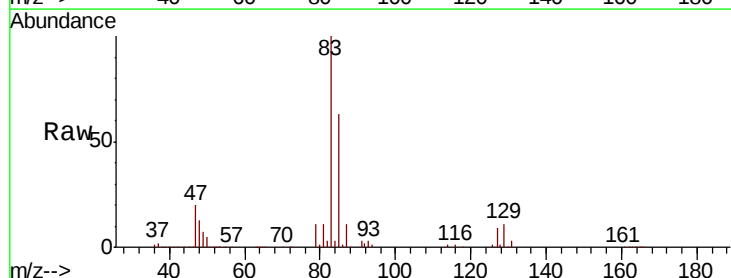
Tgt Ion: 83 Resp: 175601

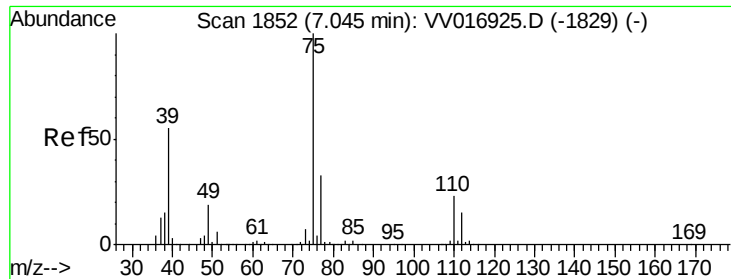
Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.5

127 8.7 7.4 11.0

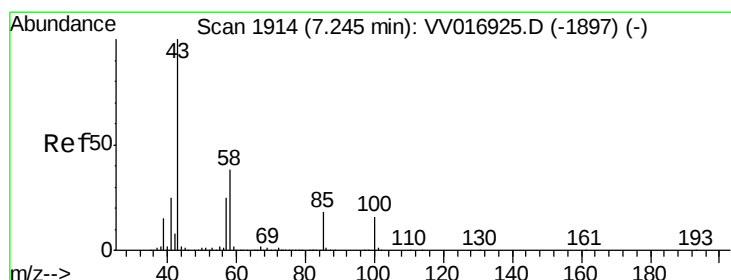
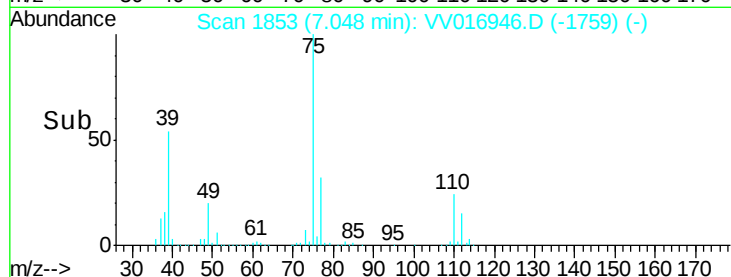
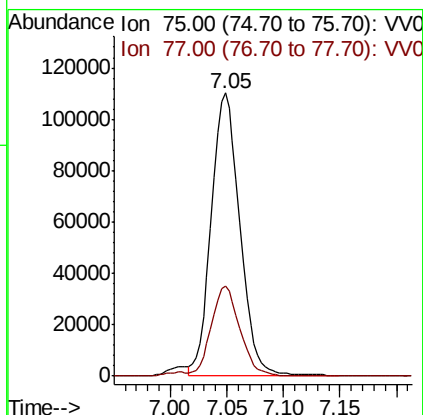
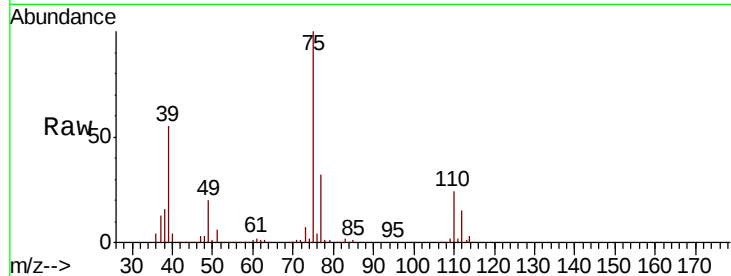




#39
 cis-1,3-Dichloropropene
 Concen: 47.581 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

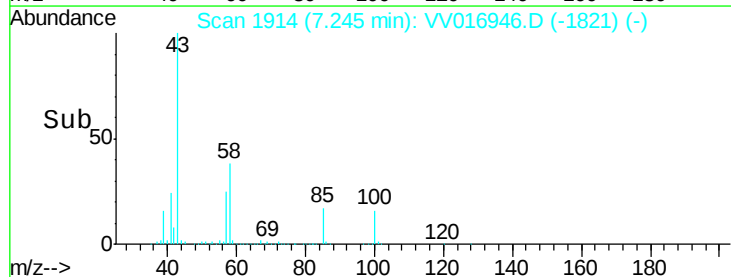
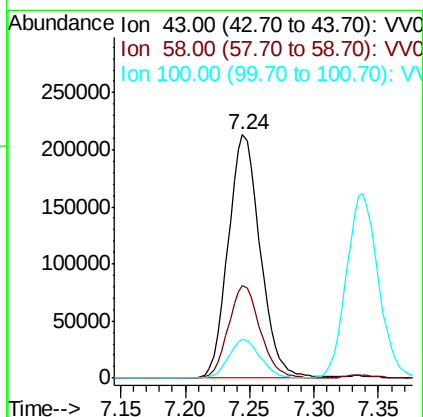
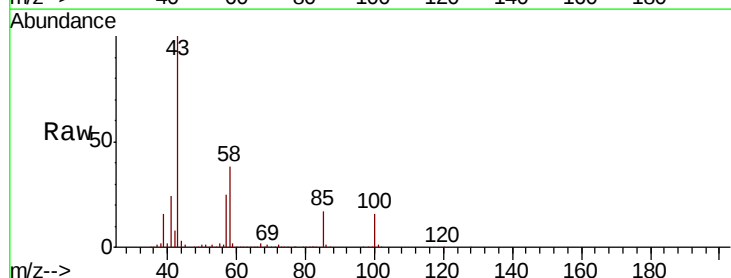
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

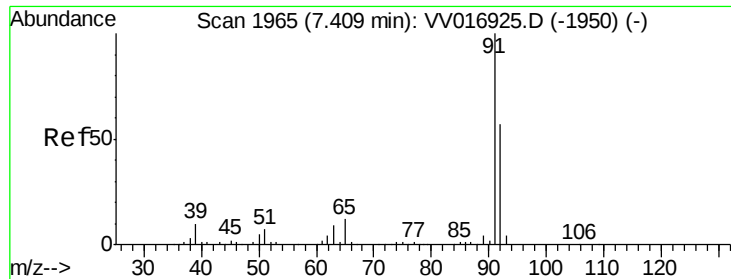
Tot Ion: 75 Resp: 193552
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 98.910 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Tgt Ion: 43 Resp: 367041
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4
 100 16.0 12.3 18.5





#42

Toluene

Concen: 48.840 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

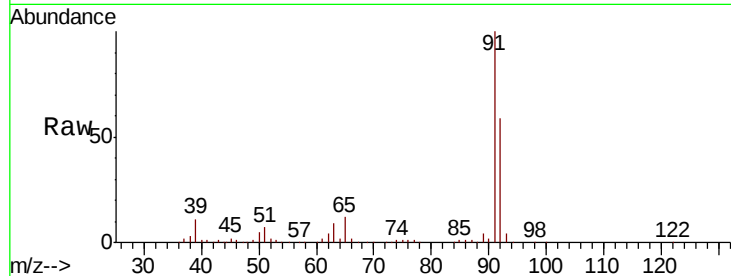
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

Tot Ion: 91 Resp: 518462

Ion Ratio Lower Upper

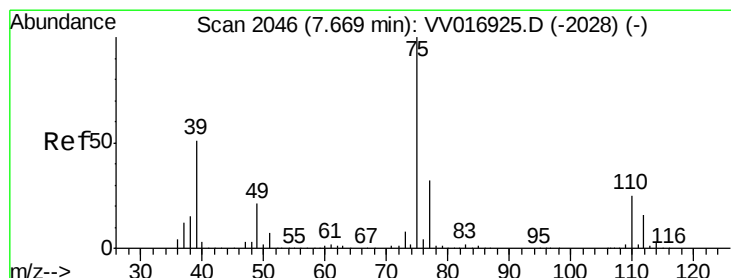
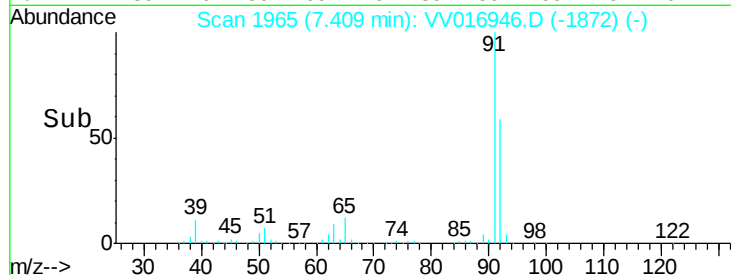
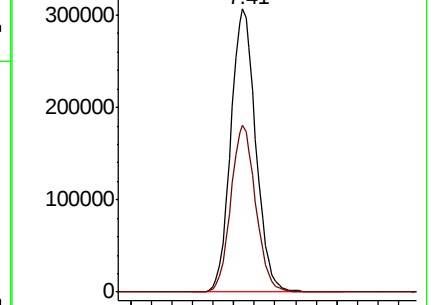
91 100

92 59.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016946.D (-1872) (-)

Ion 92.00 (91.70 to 92.70): VV016946.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.931 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016946.D

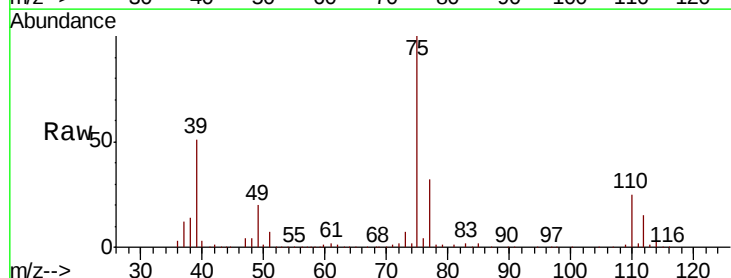
Acq: 15 Jun 2020 19:50

Tgt Ion: 75 Resp: 197465

Ion Ratio Lower Upper

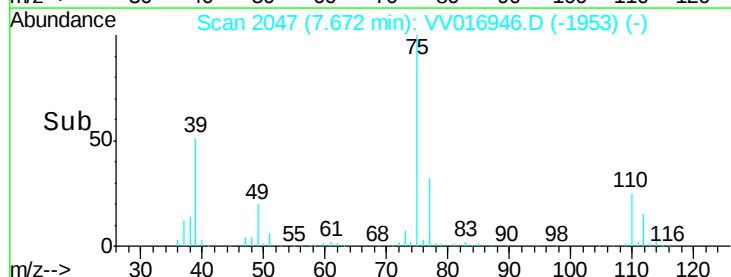
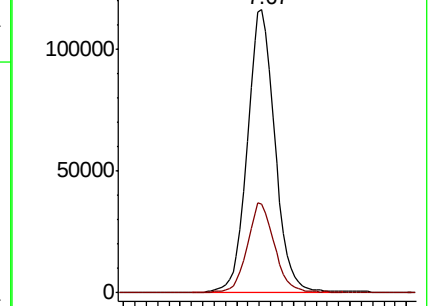
75 100

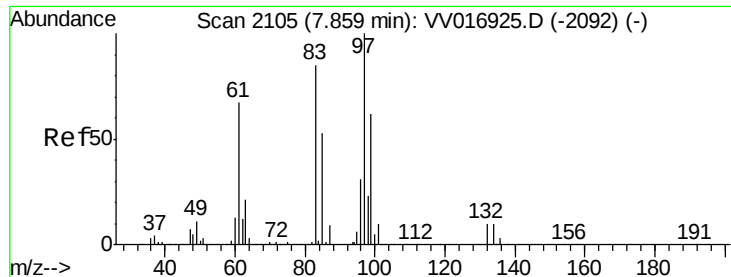
77 31.5 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016946.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV016946.D (-1953) (-)

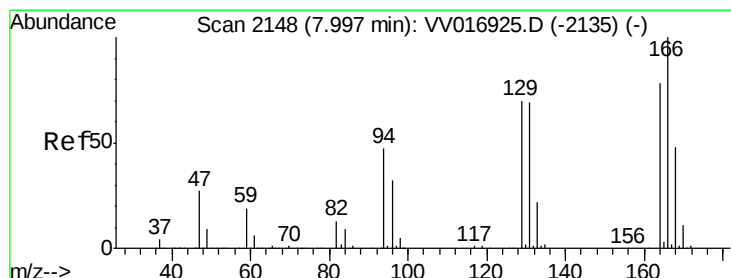
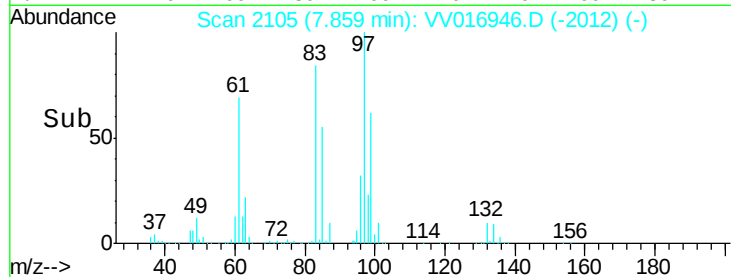
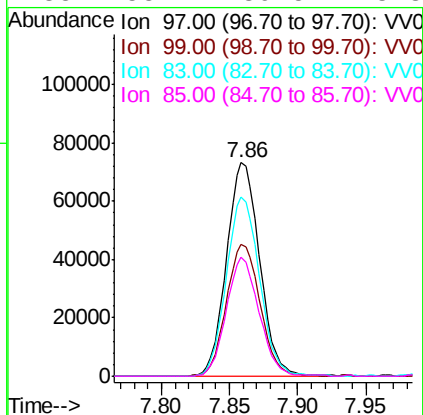
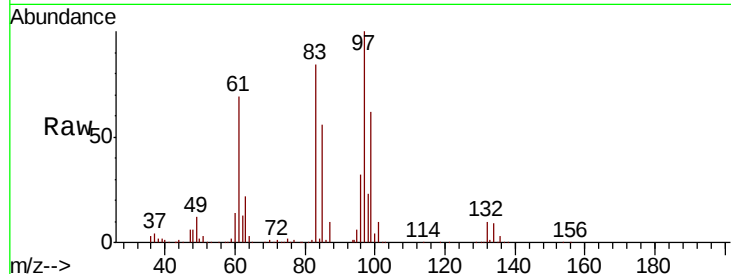




#45
 1,1,2-Trichloroethane
 Concen: 48.924 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

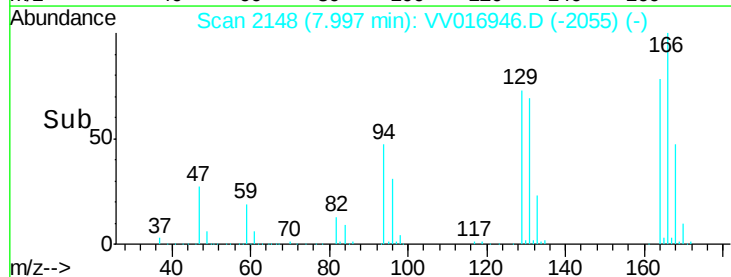
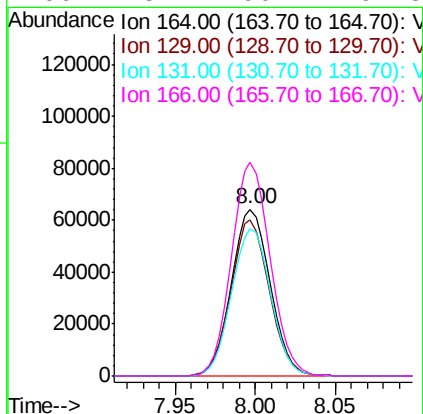
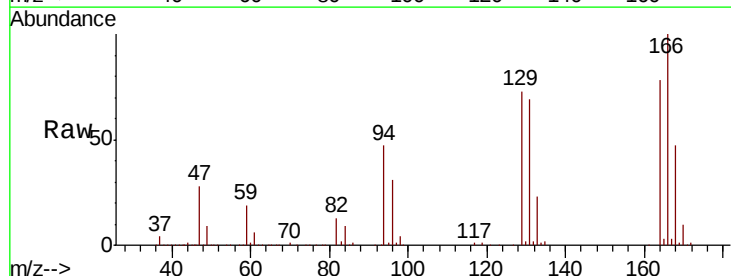
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

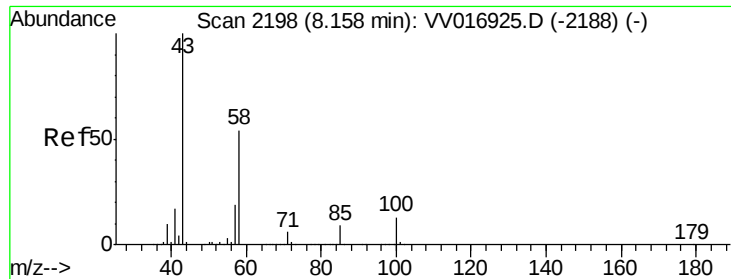
Tot Ion:	97	Resp:	123608
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.3	82.3
83	84.2	60.0	111.4
85	55.7	39.5	73.3



#46
 Tetrachloroethene
 Concen: 49.724 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Tgt Ion:	164	Resp:	105616
Ion	Ratio	Lower	Upper
164	100		
129	93.8	67.0	124.4
131	88.2	64.8	120.3
166	128.2	90.4	167.8

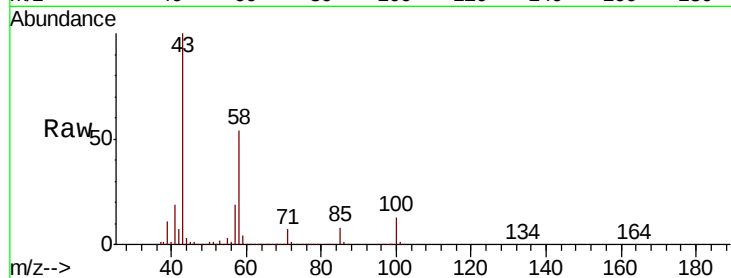




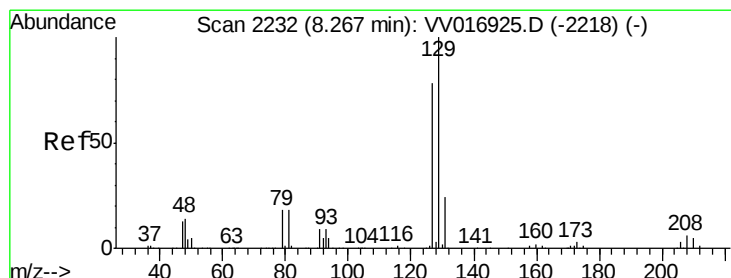
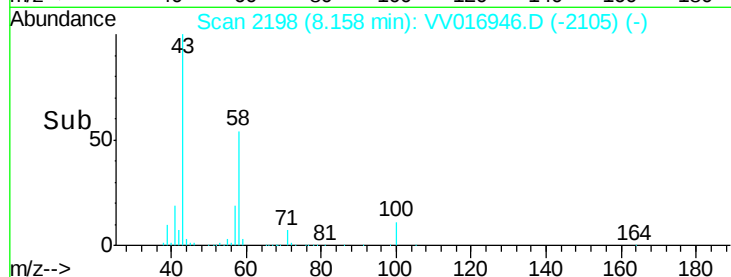
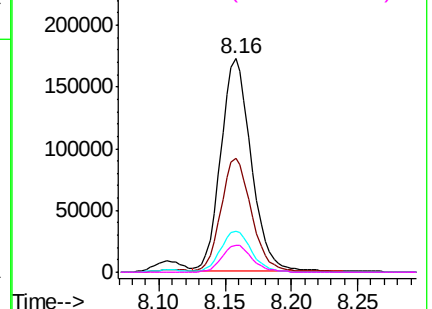
#48
2-Hexanone
Concen: 95.636 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016946.D
Acq: 15 Jun 2020 19:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

Tot Ion: 43 Resp: 275170
Ion Ratio Lower Upper
43 100
58 52.6 43.1 64.7
57 19.1 15.3 22.9
100 12.8 10.0 15.0

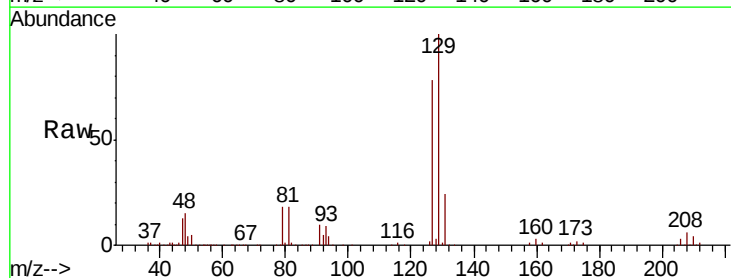


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

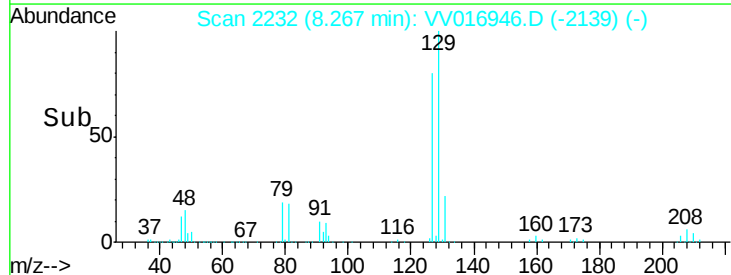
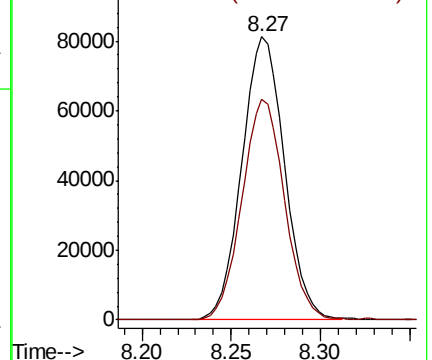


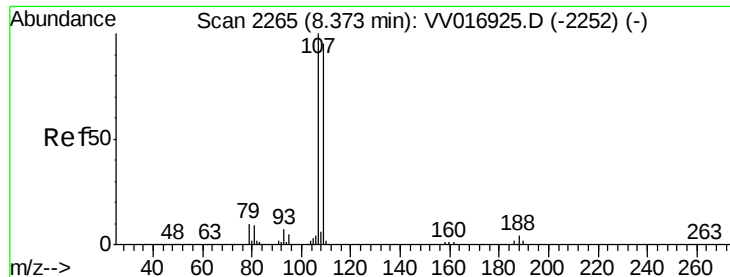
#49
Dibromochloromethane
Concen: 50.092 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016946.D
Acq: 15 Jun 2020 19:50

Tgt Ion: 129 Resp: 135317
Ion Ratio Lower Upper
129 100
127 78.2 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

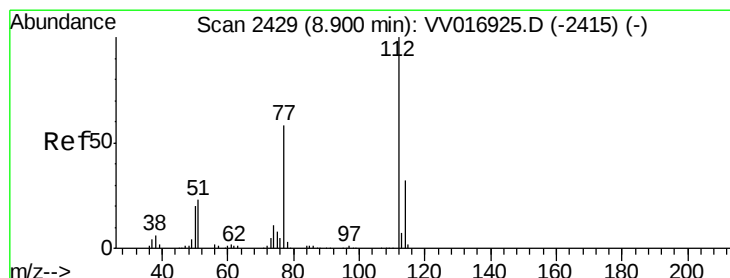
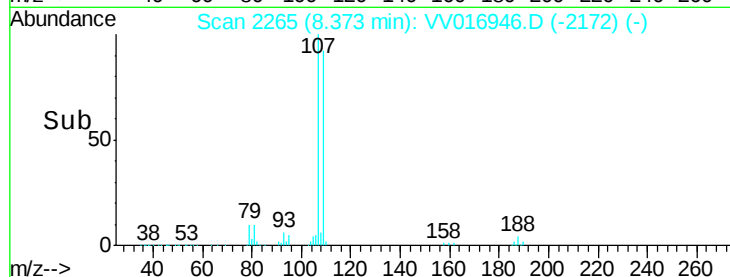
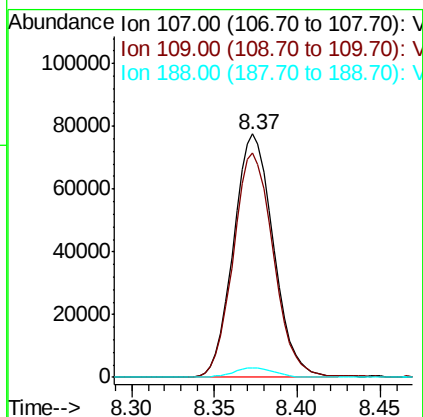
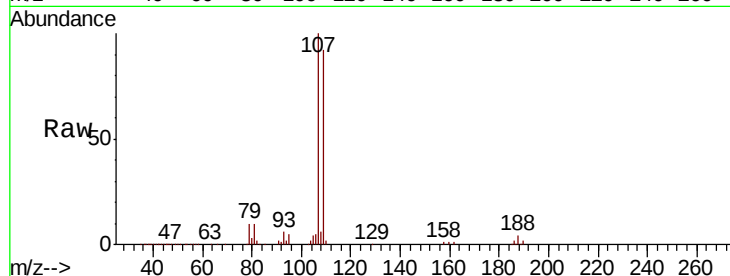




#50
 1,2-Dibromoethane
 Concen: 49.175 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

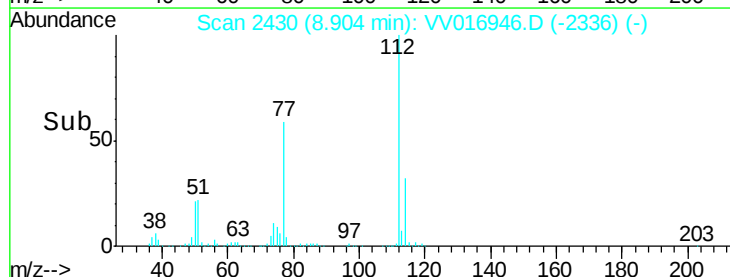
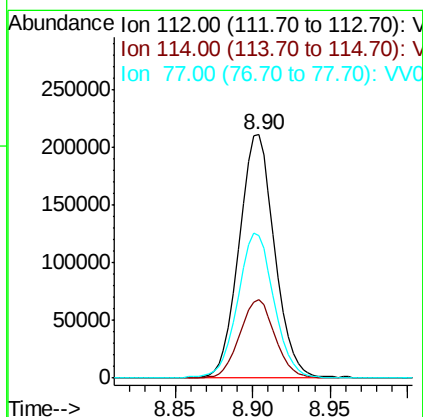
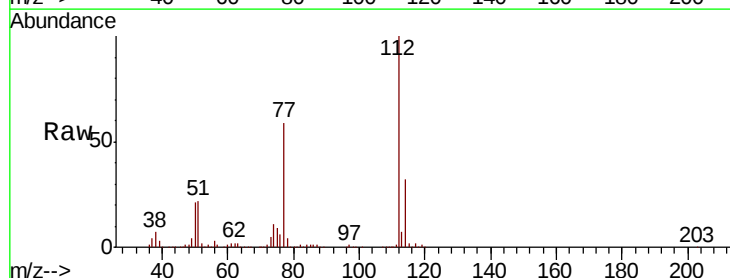
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

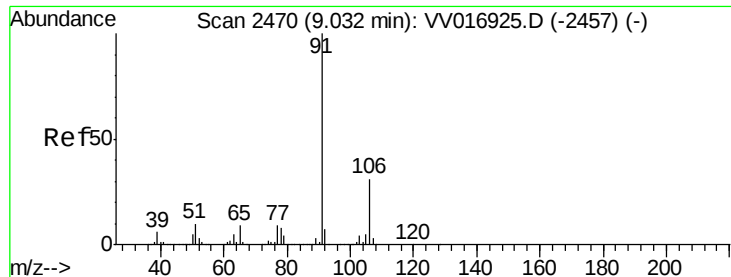
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.4	123.2
188	3.9	3.1	4.7



#51
 Chlorobenzene
 Concen: 48.779 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.3
77	58.8	47.9	71.9

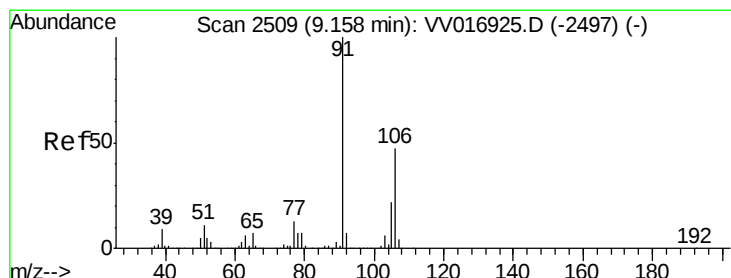
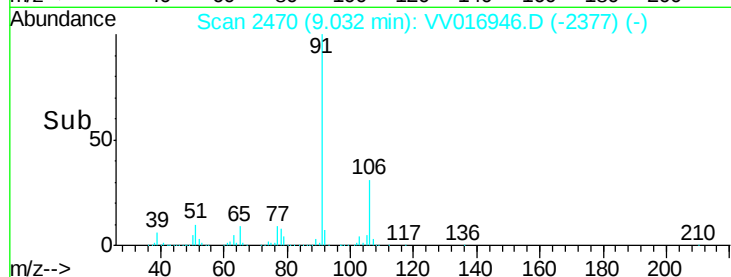
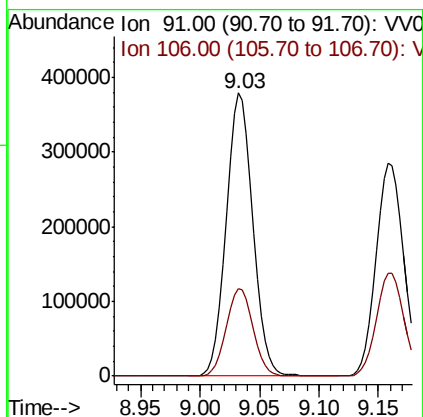
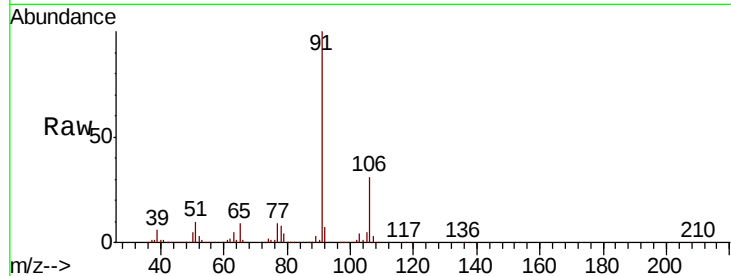




#52
Ethylbenzene
Concen: 49.929 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016946.D
Acq: 15 Jun 2020 19:50

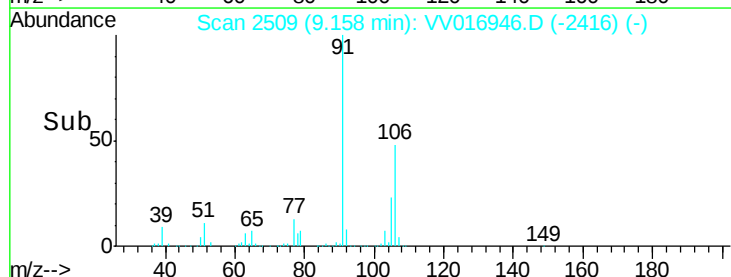
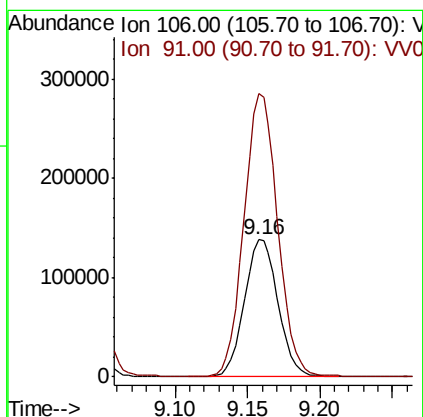
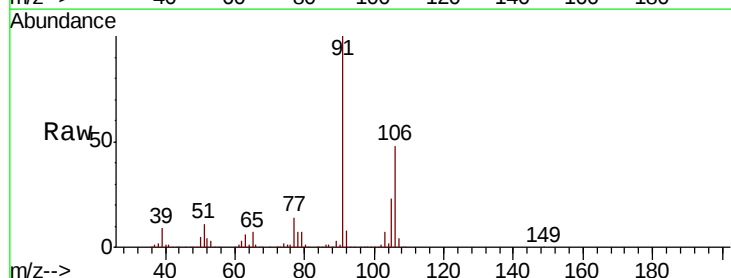
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

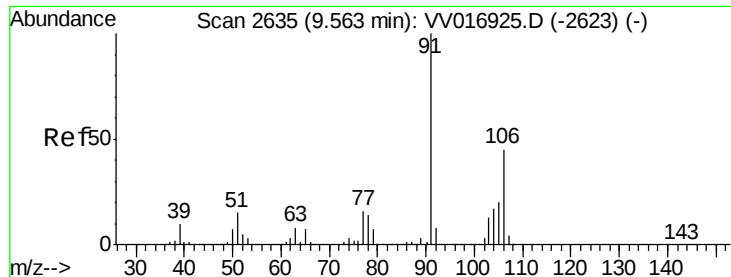
Tot Ion: 91 Resp: 587076
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.1



#53
m,p-Xylene
Concen: 50.652 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV016946.D
Acq: 15 Jun 2020 19:50

Tgt Ion: 106 Resp: 221752
Ion Ratio Lower Upper
106 100
91 206.8 144.6 268.6





#54

o-xylene

Concen: 50.488 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

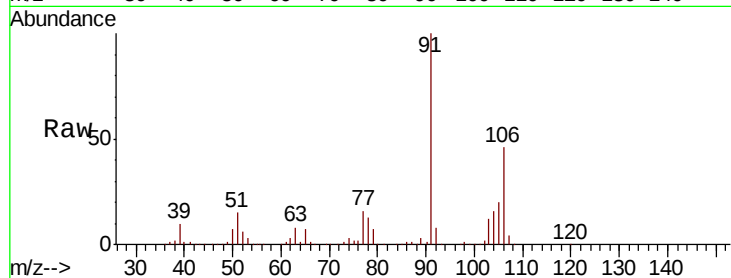
VSTD05093

Tot Ion:106 Resp: 217994

Ion Ratio Lower Upper

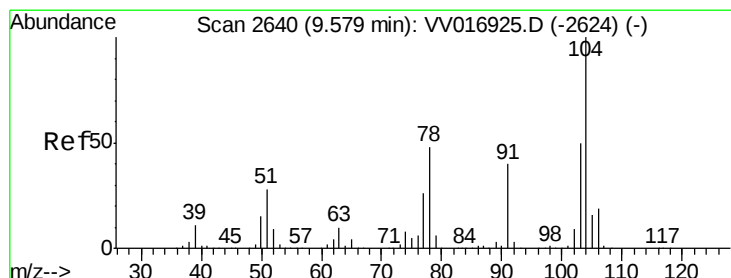
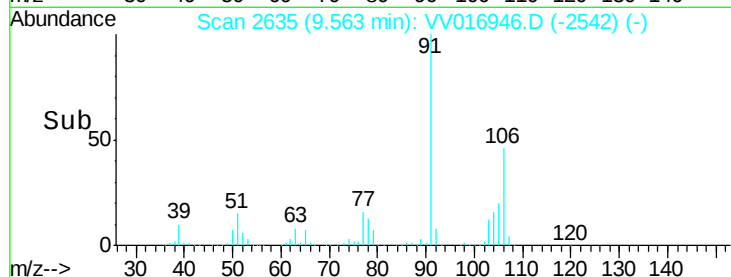
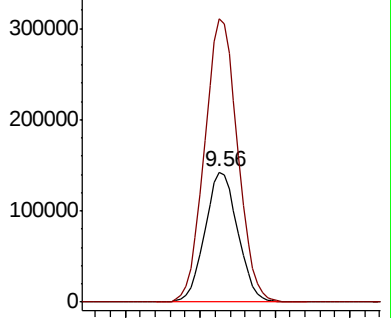
106 100

91 218.0 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.253 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016946.D

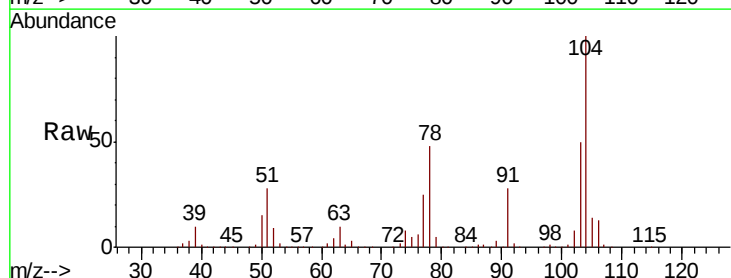
Acq: 15 Jun 2020 19:50

Tgt Ion:104 Resp: 374147

Ion Ratio Lower Upper

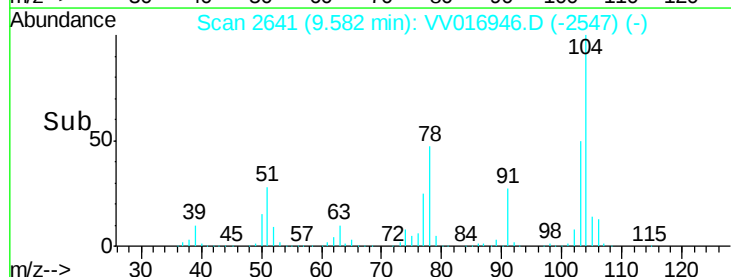
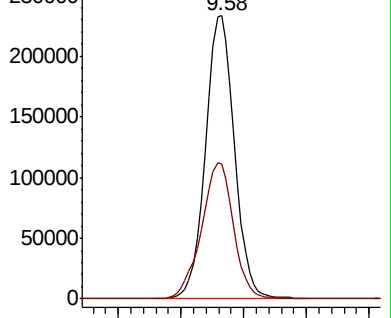
104 100

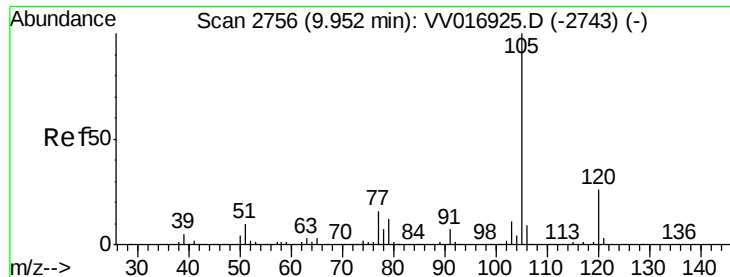
78 47.5 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.338 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

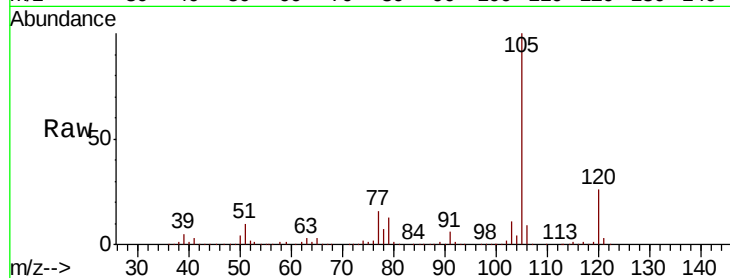
Tot Ion:105 Resp: 595605

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

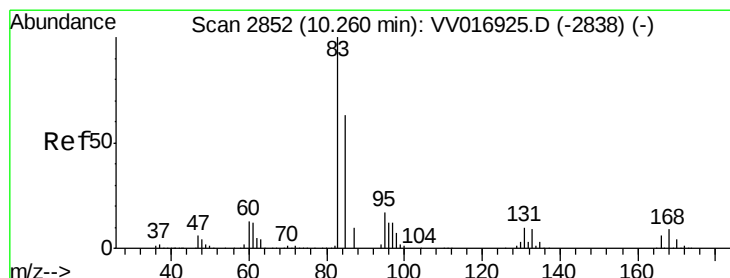
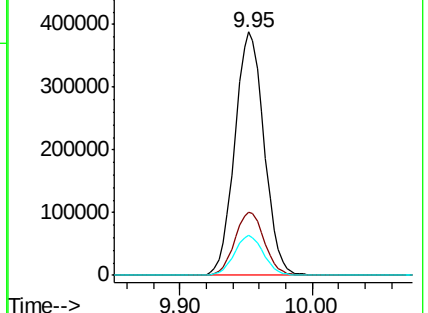
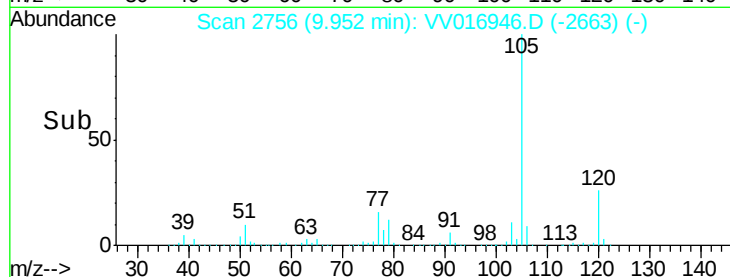
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.121 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

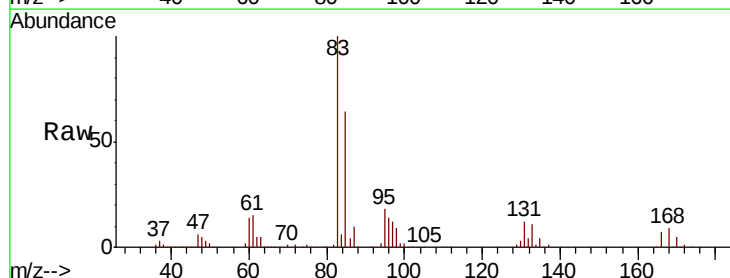
Tgt Ion: 83 Resp: 178659

Ion Ratio Lower Upper

83 100

85 63.5 46.8 86.8

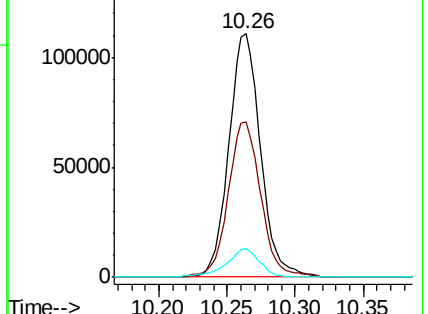
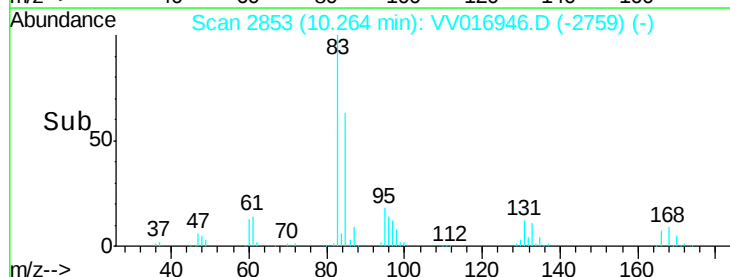
131 11.6 7.9 11.9

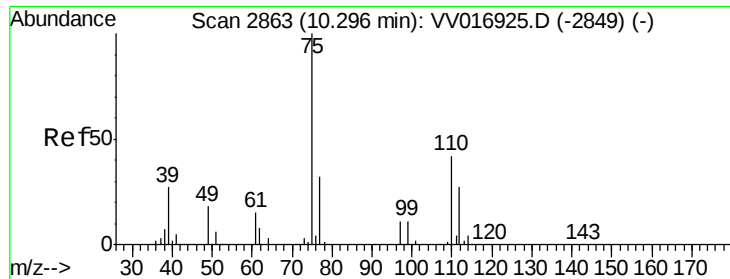


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.852 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

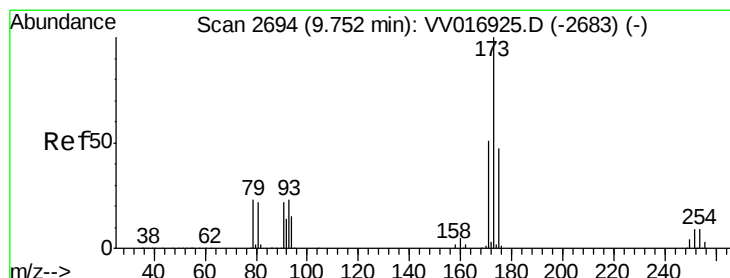
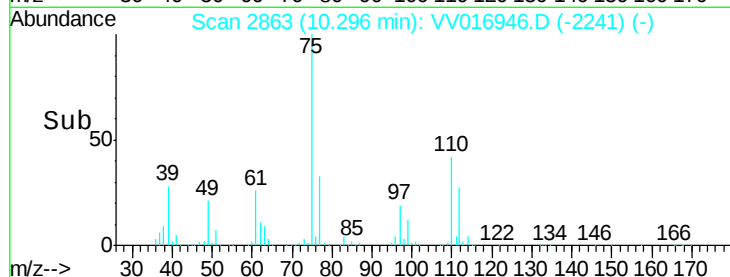
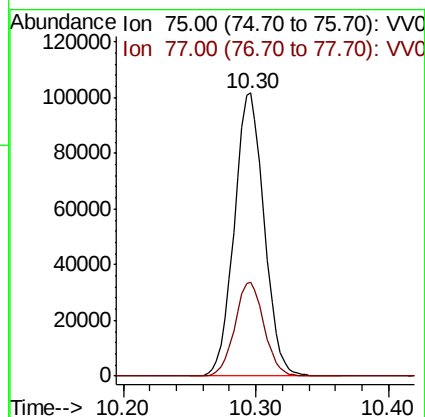
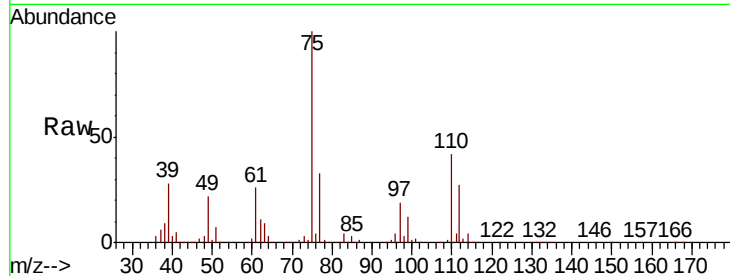
VSTD05093

Tot Ion: 75 Resp: 158728

Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1



#61

Bromoform

Concen: 49.555 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

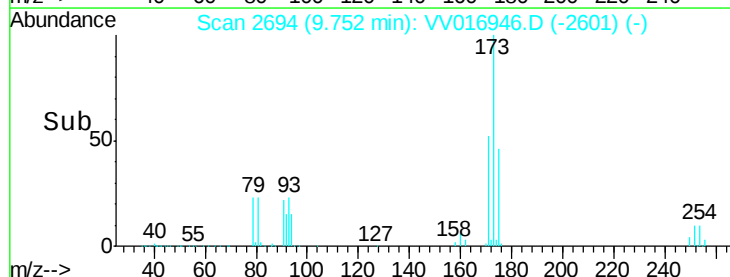
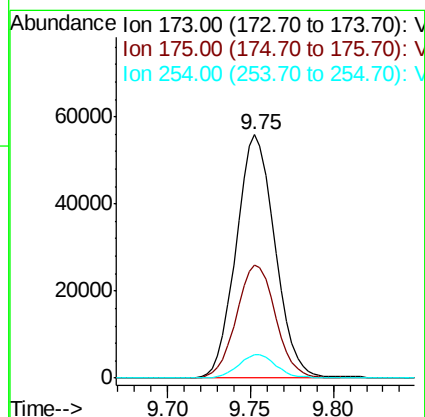
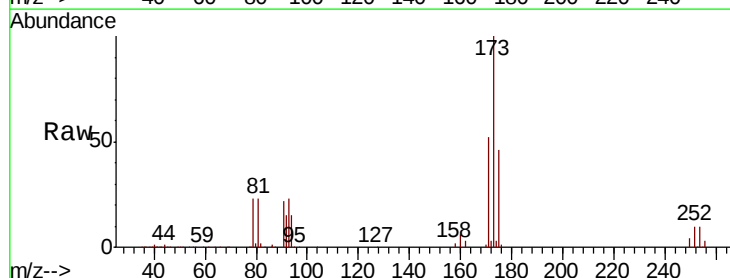
Tgt Ion: 173 Resp: 91067

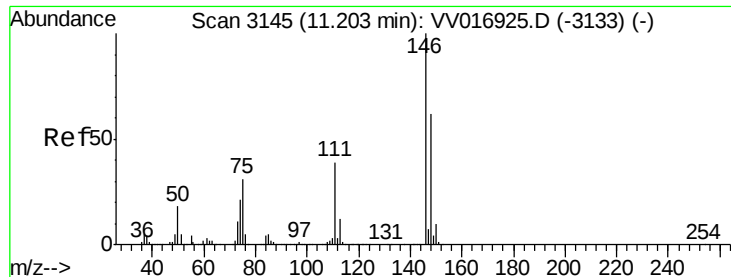
Ion Ratio Lower Upper

173 100

175 46.9 39.0 58.4

254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 49.371 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

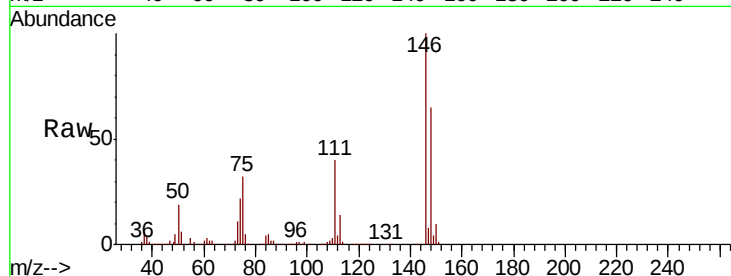
Tot Ion:146 Resp: 279380

Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.7

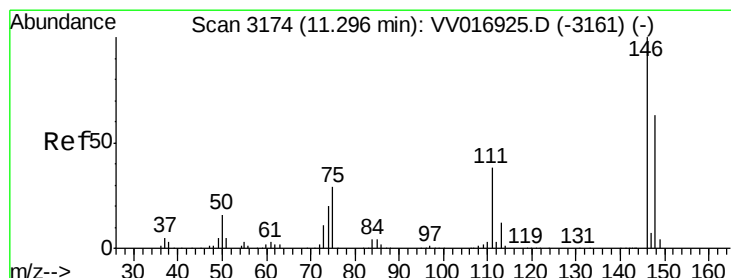
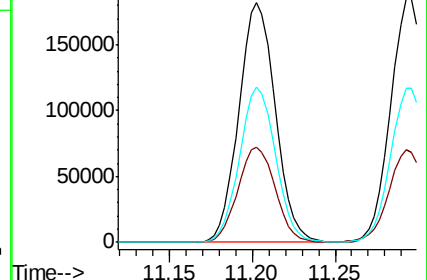
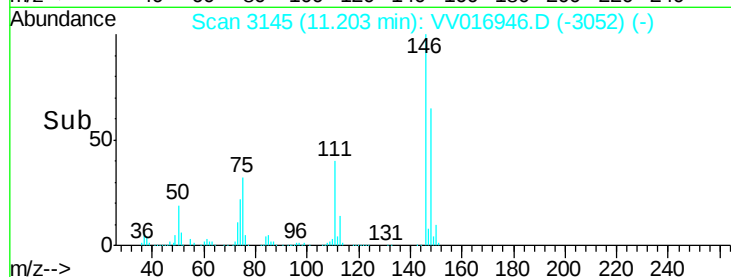
148 64.8 44.2 82.2



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: 48.653 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

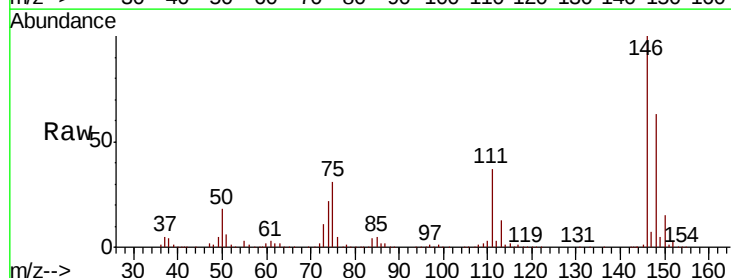
Tgt Ion:146 Resp: 280126

Ion Ratio Lower Upper

146 100

111 37.0 26.7 49.7

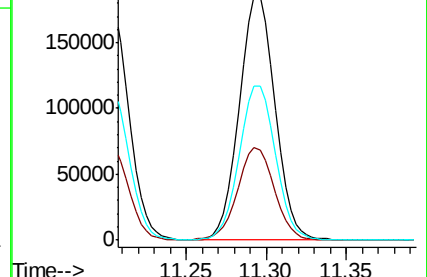
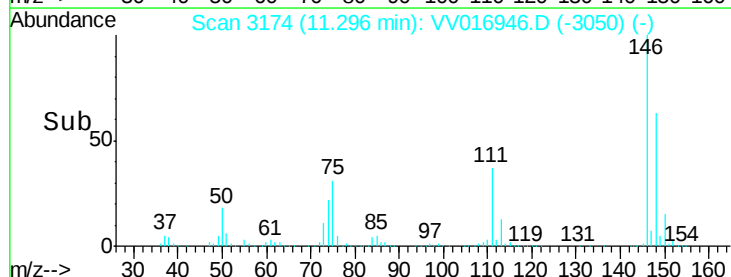
148 63.1 43.5 80.9

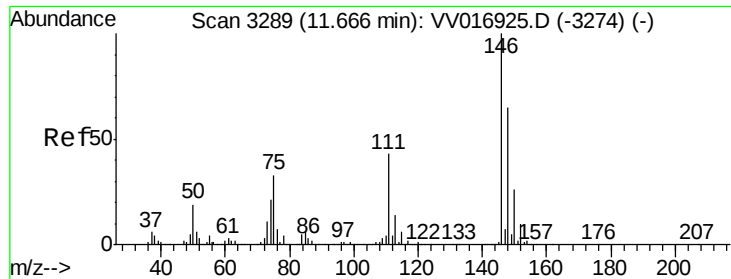


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

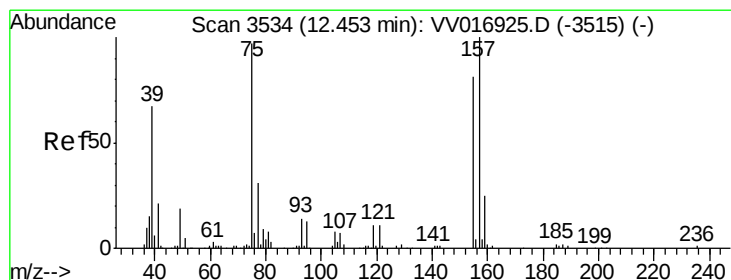
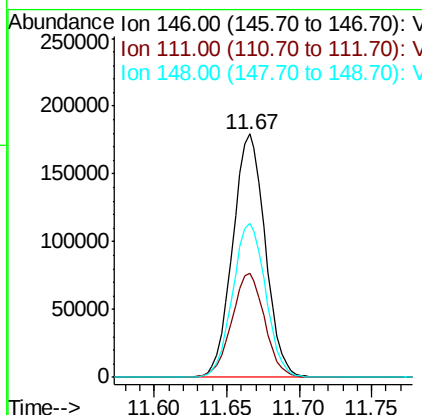
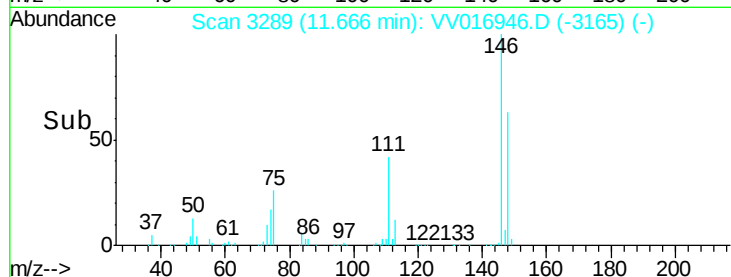
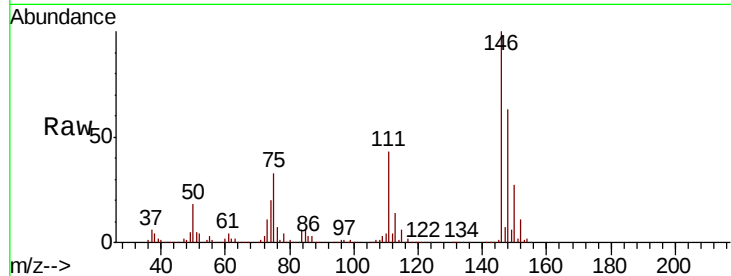




#65
 1,2-Dichlorobenzene
 Concen: 49.227 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

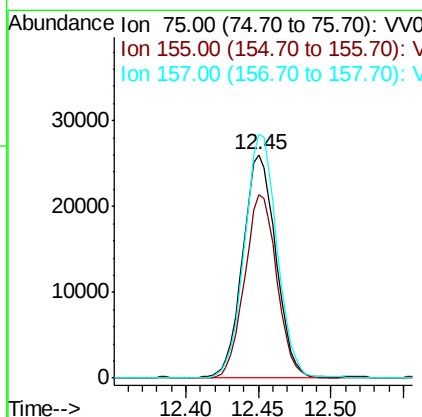
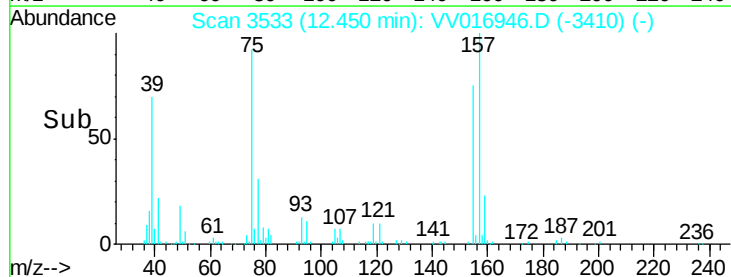
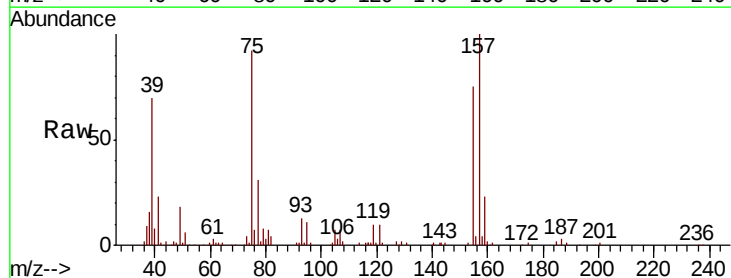
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

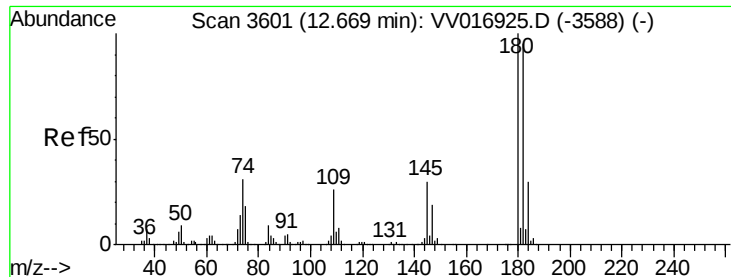
Tot Ion:146 Resp: 279163
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.7 50.5
 148 63.4 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.612 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Tgt Ion: 75 Resp: 41564
 Ion Ratio Lower Upper
 75 100
 155 82.1 69.8 104.6
 157 109.0 83.4 125.2

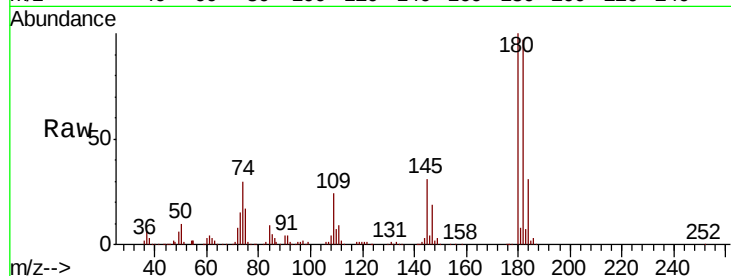




#67
 1,3,5-Trichlorobenzene
 Concen: 50.536 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Tot Ion:180	Resp:	213247
Ion Ratio	Lower	Upper
180 100		
182 97.1	75.0	112.6
184 30.2	24.5	36.7
145 31.2	24.4	36.6

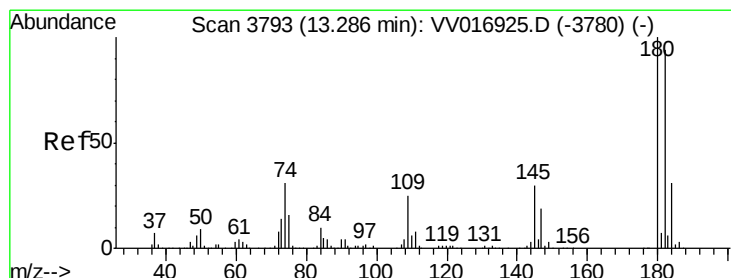
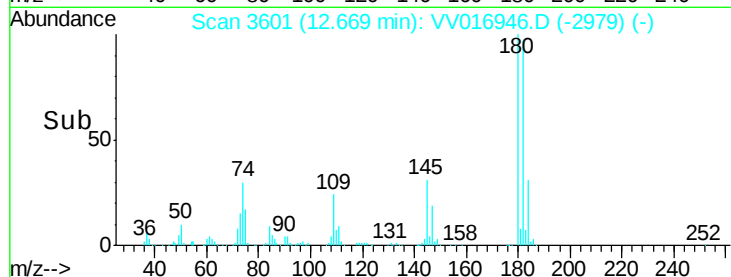
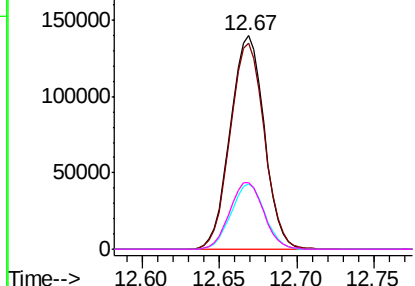


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

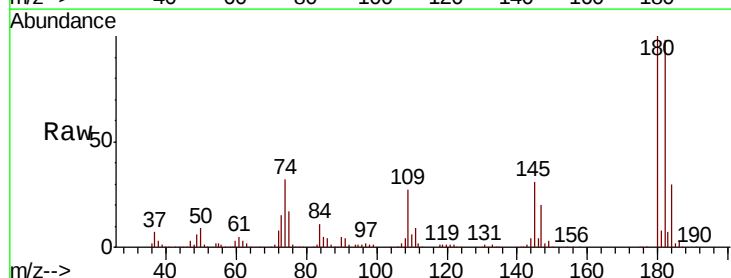
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.999 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016946.D
 Acq: 15 Jun 2020 19:50

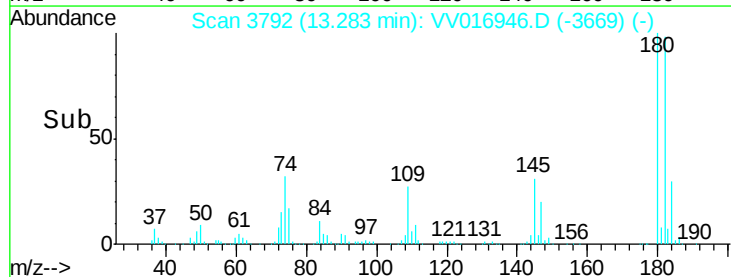
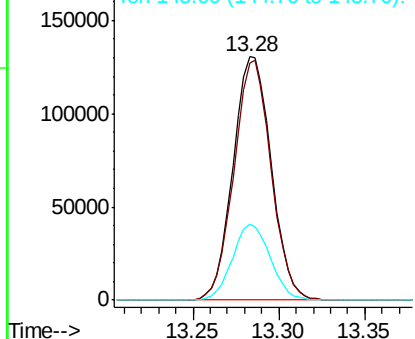
Tgt Ion:180	Resp: 201259
Ion Ratio	Lower Upper
180 100	
182 95.6	76.9 115.3
145 30.9	25.2 37.8

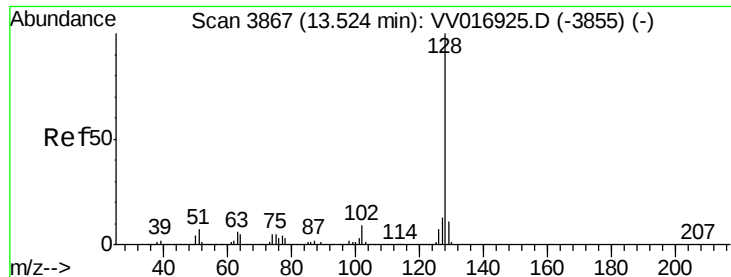


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.861 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

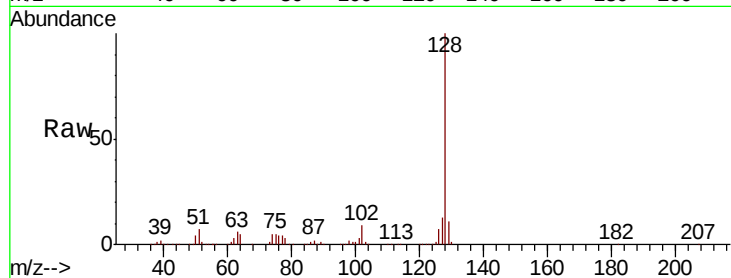
Tot Ion:128 Resp: 577390

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

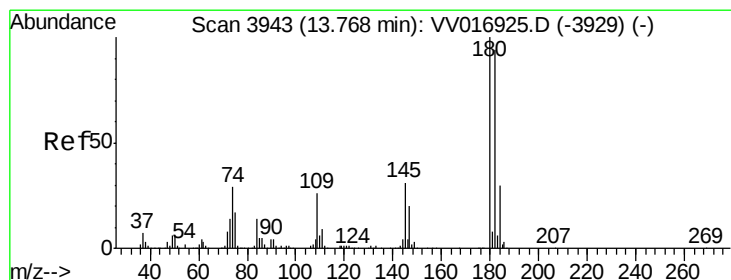
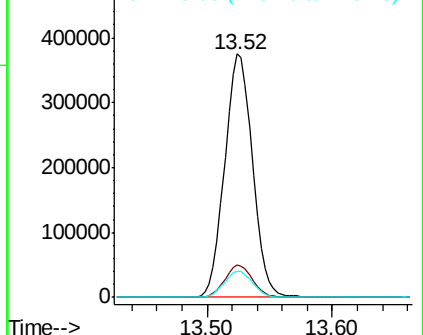
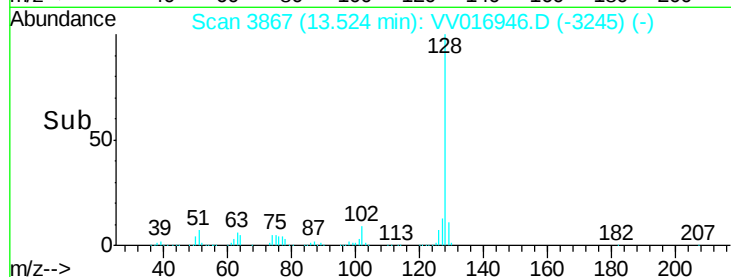
129 10.9 8.7 13.1



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: 52.993 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016946.D

Acq: 15 Jun 2020 19:50

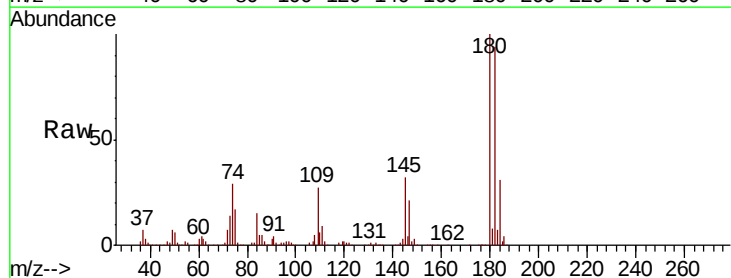
Tgt Ion:180 Resp: 200692

Ion Ratio Lower Upper

180 100

182 93.8 76.5 114.7

145 33.2 26.1 39.1



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

