

Data File : VV013899.D
Acq On : 03 Dec 2019 19:05
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Quant Time: Dec 04 01:16:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 04 01:11:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	669941	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	647799	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	335822	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167038	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.22%
7) Chloroethane-d5	1.57	69	183409	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.70%
11) 1,1-Dichloroethene-d2	2.13	63	390710	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
21) 2-Butanone-d5	3.92	46	300112	110.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.04%
24) Chloroform-d	4.39	84	415322	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
26) 1,2-Dichloroethane-d4	5.08	65	253518	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
32) Benzene-d6	5.09	84	809222	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
36) 1,2-Dichloropropane-d6	6.11	67	242883	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.40%
41) Toluene-d8	7.35	98	743529	48.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.18%
43) trans-1,3-Dichloropropene-	7.66	79	112537	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.80%
47) 2-Hexanone-d5	8.13	63	165770	88.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.11%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	344860	47.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.54%
64) 1,2-Dichlorobenzene-d4	11.67	152	315014	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	278739	46.728	ug/L	100
3) Chloromethane	1.25	50	280266	51.391	ug/L	99
5) Vinyl chloride	1.32	62	270255	47.514	ug/L	98
6) Bromomethane	1.51	94	160911	46.792	ug/L	98
8) Chloroethane	1.59	64	180733	47.755	ug/L	100
9) Trichlorofluoromethane	1.76	101	418496	47.307	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	232793	46.202	ug/L	99
12) 1,1-Dichloroethene	2.14	96	227164	46.675	ug/L	93
13) Acetone	2.18	43	358490	89.701	ug/L	98
14) Carbon disulfide	2.31	76	576395	44.909	ug/L	98
15) Methyl Acetate	2.45	43	240447	48.817	ug/L	99
16) Methylene chloride	2.53	84	238970	47.151	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	221652	46.560	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	683568	49.480	ug/L	100
19) 1,1-Dichloroethane	3.22	63	406556	47.402	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	245987	47.715	ug/L	97
22) 2-Butanone	4.00	43	381971	99.575	ug/L	98

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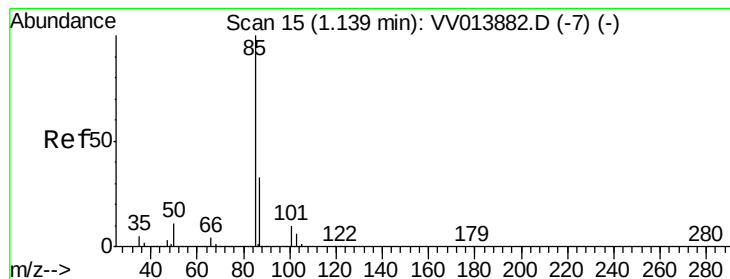
Quant Time: Dec 04 01:16:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 04 01:11:22 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	136630	47.970	ug/L	97
25) Chloroform	4.42	83	427109	46.581	ug/L	100
27) 1,2-Dichloroethane	5.17	62	324295	49.084	ug/L	98
29) Cyclohexane	4.72	56	354791	46.878	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	363722	46.510	ug/L	99
31) Carbon tetrachloride	4.87	117	326750	46.774	ug/L	99
33) Benzene	5.14	78	937666	48.605	ug/L	100
34) Trichloroethene	5.95	95	243186	47.000	ug/L	99
35) Methylcyclohexane	6.17	83	356396	45.908	ug/L	99
37) 1,2-Dichloropropane	6.22	63	226545	48.520	ug/L	100
38) Bromodichloromethane	6.55	83	311903	47.104	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	348959	47.475	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	596335	98.220	ug/L	99
42) Toluene	7.42	91	961041	48.283	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	303812	45.644	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	225545	48.666	ug/L	97
46) Tetrachloroethene	8.01	164	212893	45.597	ug/L	97
48) 2-Hexanone	8.18	43	493705	101.652	ug/L	96
49) Dibromochloromethane	8.28	129	266889	47.110	ug/L	99
50) 1,2-Dibromoethane	8.39	107	246733	48.328	ug/L	100
51) Chlorobenzene	8.92	112	646930	47.110	ug/L	99
52) Ethylbenzene	9.05	91	1089434	49.649	ug/L	99
53) m,p-Xylene	9.18	106	399583	47.091	ug/L	98
54) o-xylene	9.58	106	409915	49.408	ug/L	99
55) Styrene	9.60	104	690265	48.223	ug/L	100
56) Isopropylbenzene	9.97	105	1086429	48.717	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	330078	43.749	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	296186	46.877	ug/L	100
61) Bromoform	9.77	173	206490	50.265	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	516597	46.882	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	522744	45.888	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	514347	46.664	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	73419	47.929	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	396190	44.275	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	312953	38.760	ug/L	100
69) Naphthalene	13.55	128	653744	30.837	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	328301	38.881	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 46.728 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

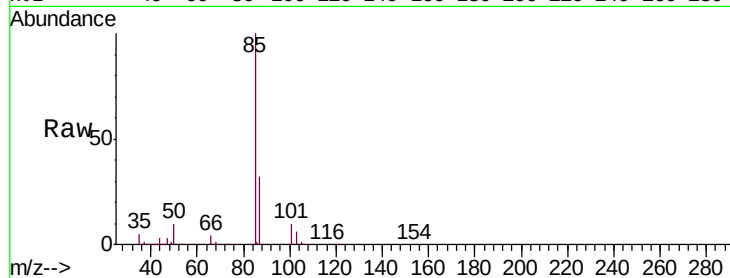
VSTD05098

Tgt Ion: 85 Resp: 278739

Ion Ratio Lower Upper

85 100

87 32.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV013882.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013882.D (-7) (-)

1.14

300000

250000

200000

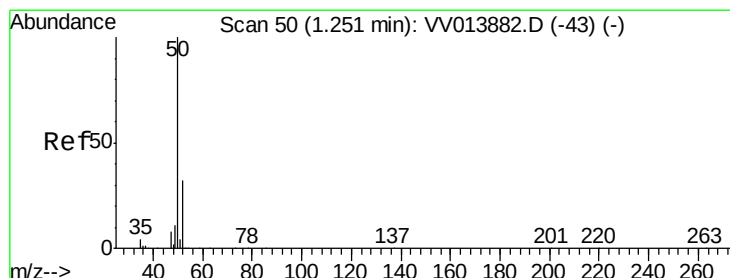
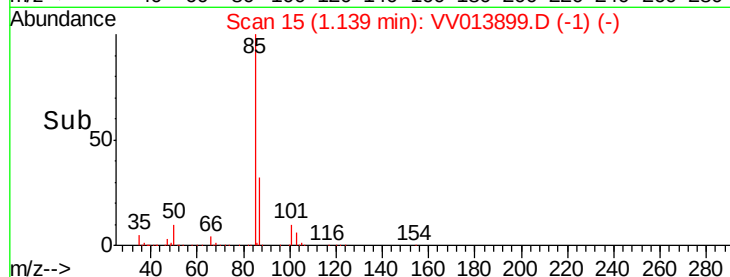
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.391 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013899.D

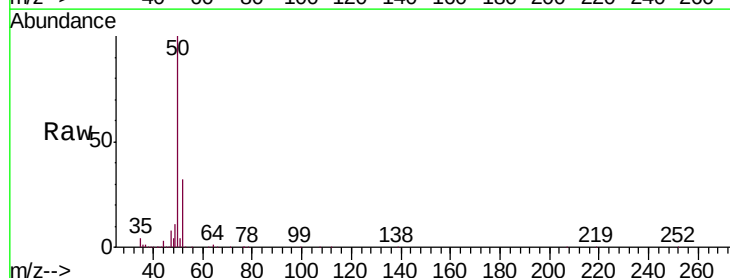
Acq: 03 Dec 2019 19:05

Tgt Ion: 50 Resp: 280266

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013882.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013882.D (-43) (-)

1.25

300000

250000

200000

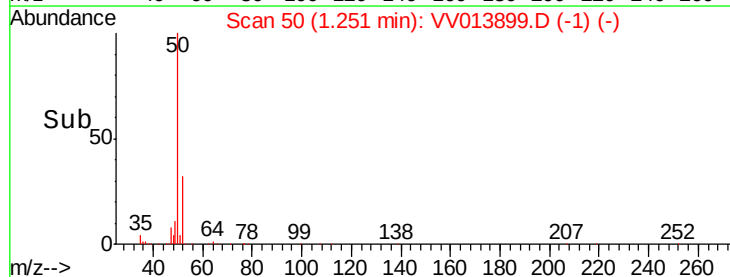
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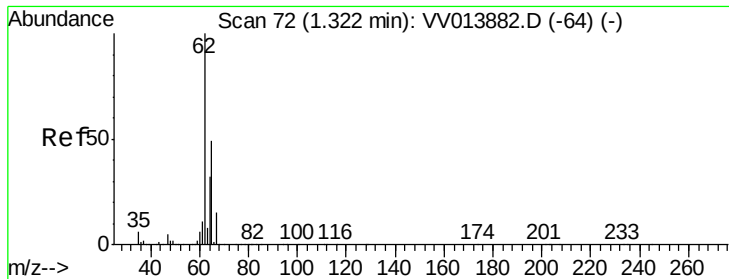
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.514 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

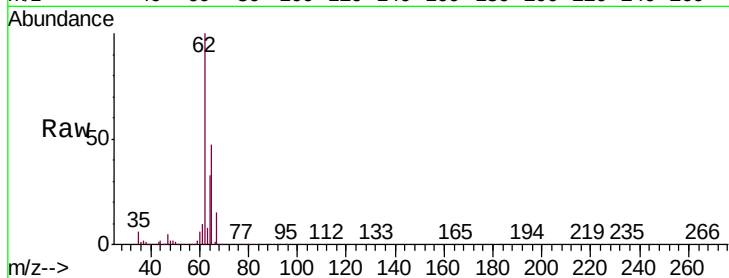
VSTD05098

Tgt Ion: 62 Resp: 270255

Ion Ratio Lower Upper

62 100

64 33.3 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

300000

250000

200000

150000

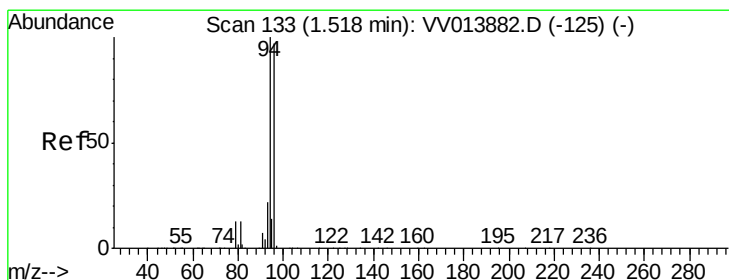
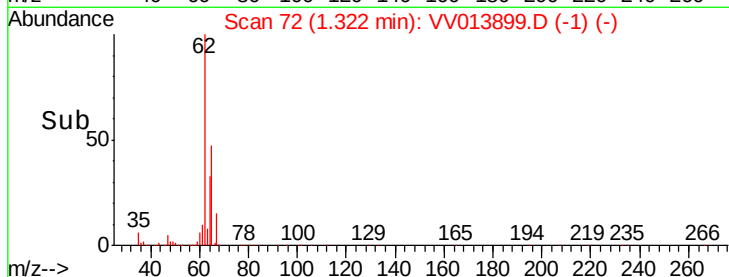
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 46.792 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV013899.D

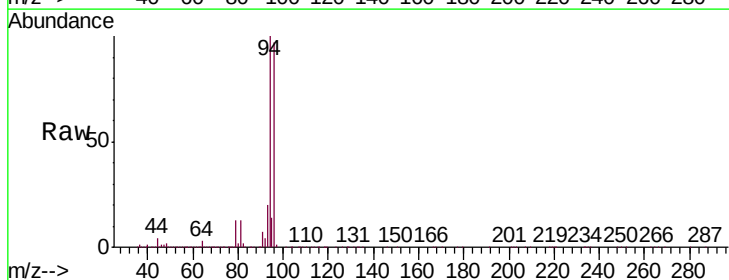
Acq: 03 Dec 2019 19:05

Tgt Ion: 94 Resp: 160911

Ion Ratio Lower Upper

94 100

96 96.7 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

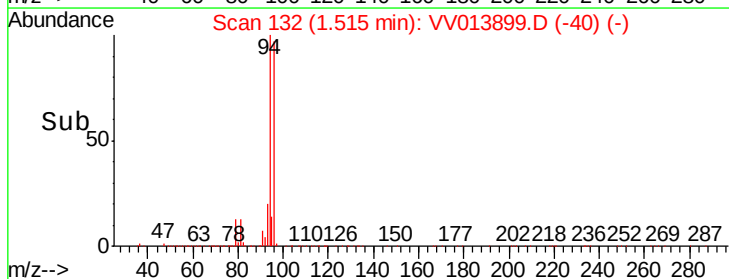
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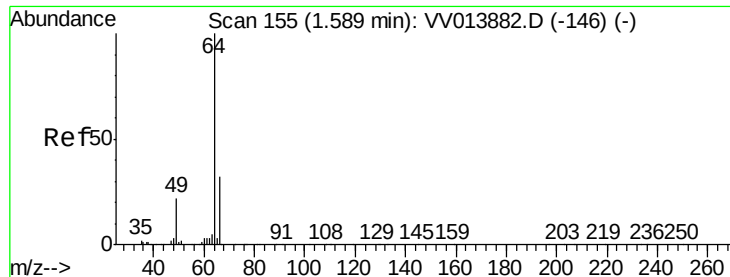
50000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 47.755 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

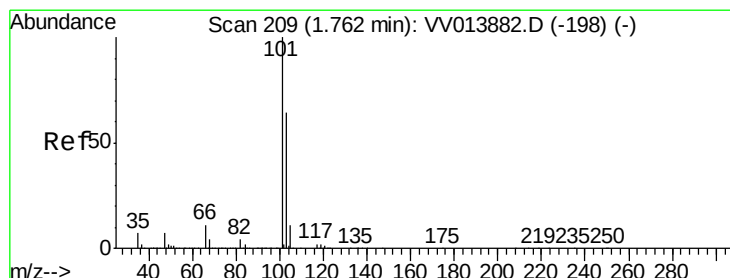
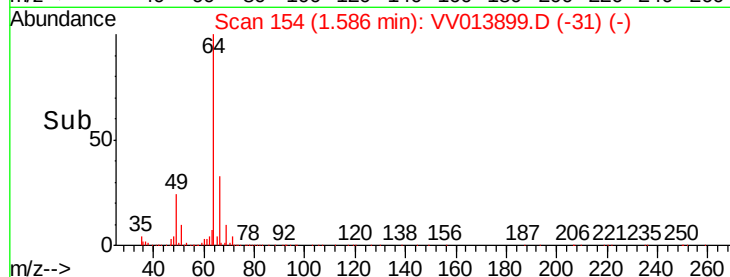
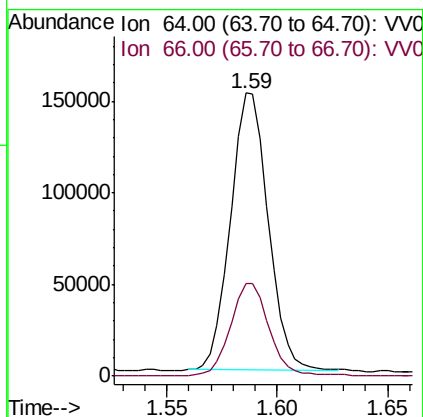
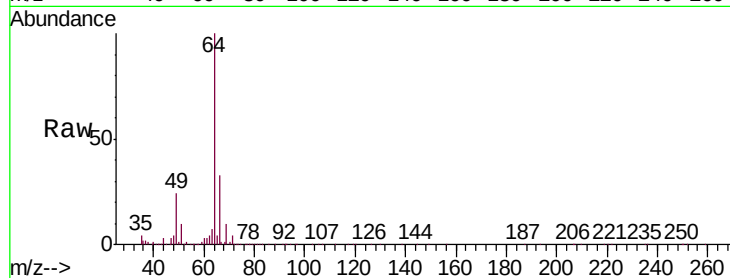
VSTD05098

Tgt Ion: 64 Resp: 180733

Ion Ratio Lower Upper

64 100

66 32.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 47.307 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV013899.D

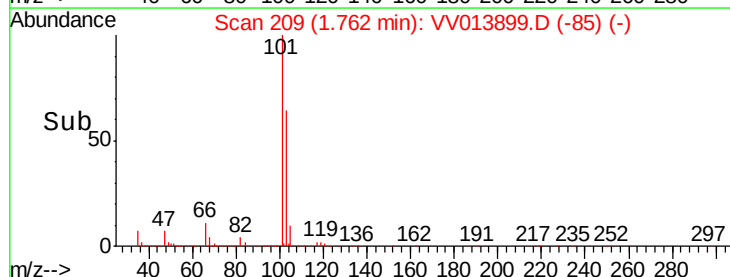
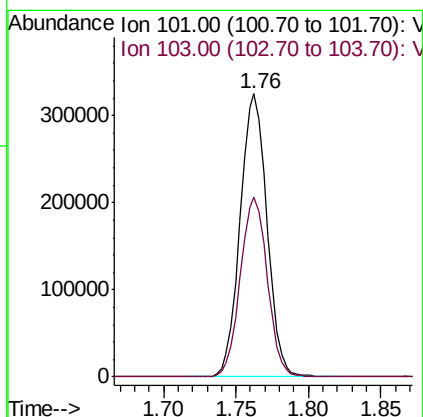
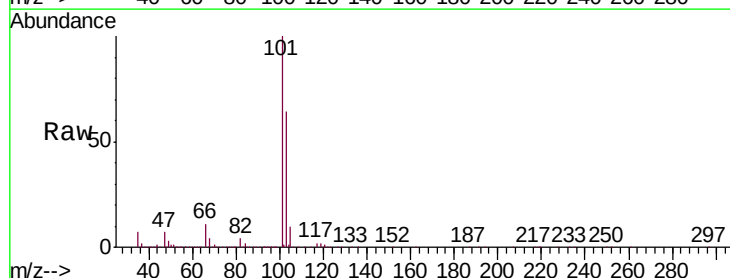
Acq: 03 Dec 2019 19:05

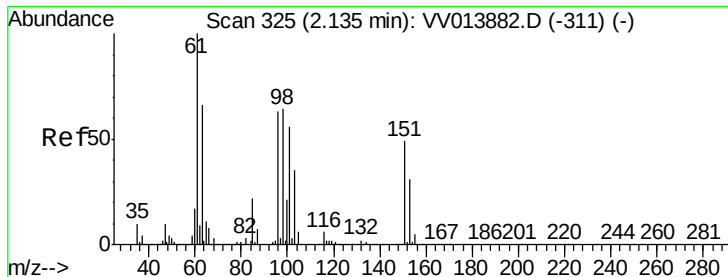
Tgt Ion: 101 Resp: 418496

Ion Ratio Lower Upper

101 100

103 64.0 51.9 77.9





#10

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

Concen: 46.202 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

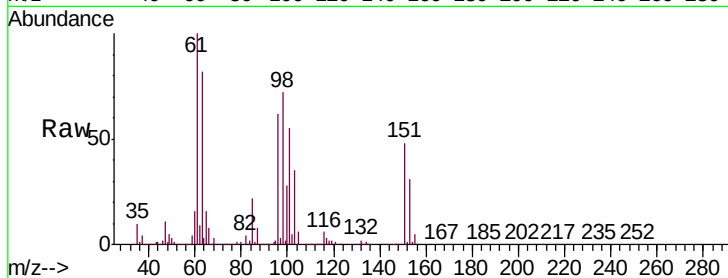
Tgt Ion: 101 Resp: 232793

Ion Ratio Lower Upper

101 100

85 41.5 32.5 48.7

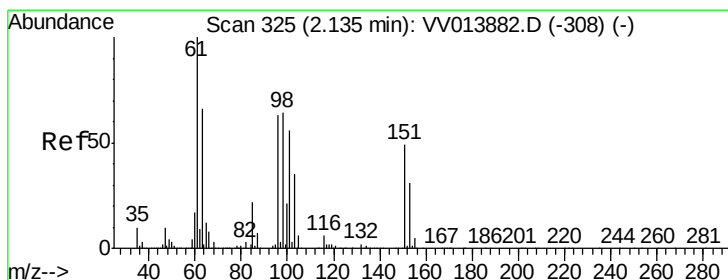
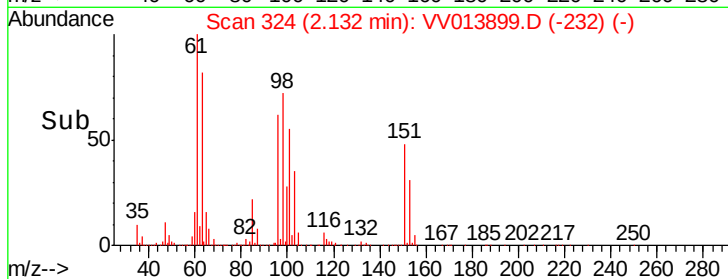
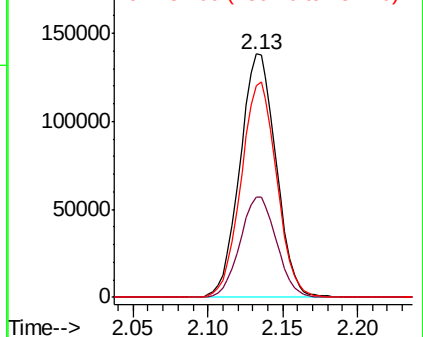
151 87.0 69.8 104.6



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: 46.675 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

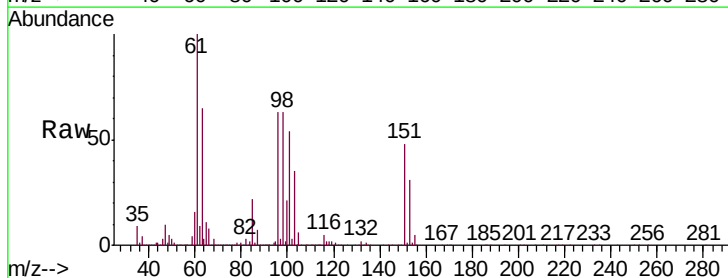
Tgt Ion: 96 Resp: 227164

Ion Ratio Lower Upper

96 100

61 158.1 114.0 211.8

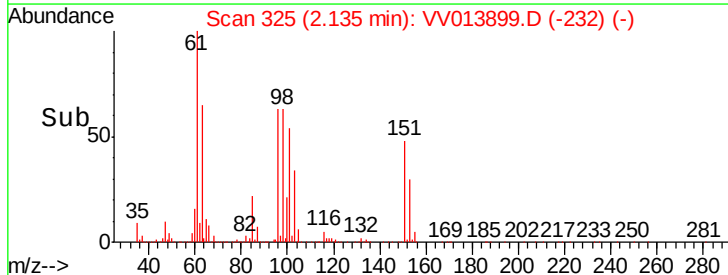
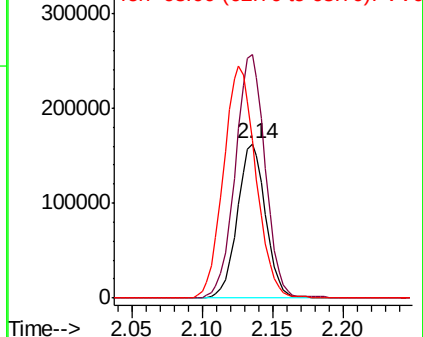
63 102.6 80.3 149.1

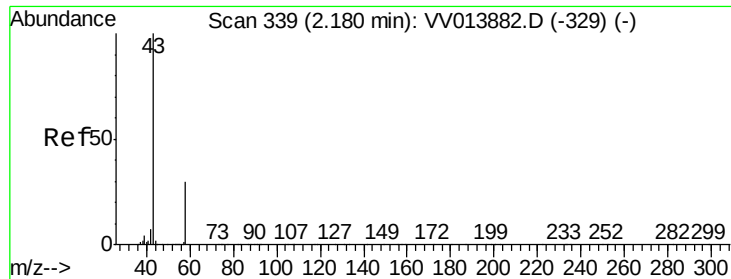


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 89.701 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

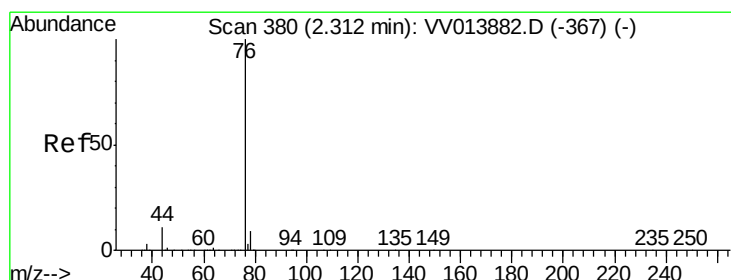
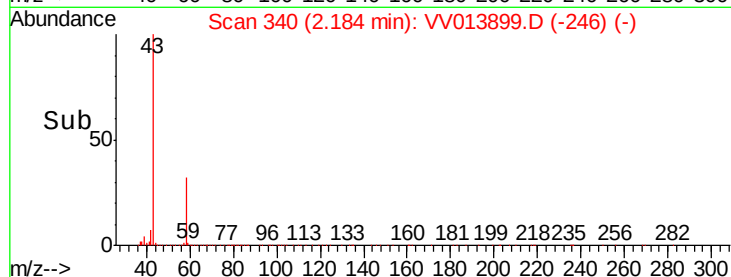
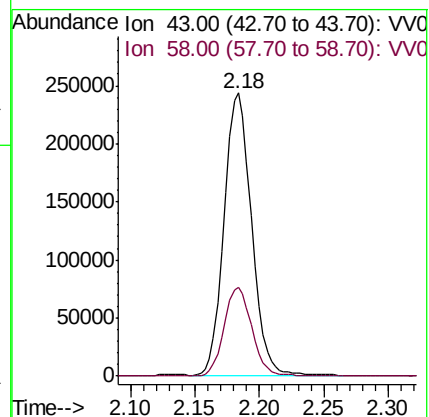
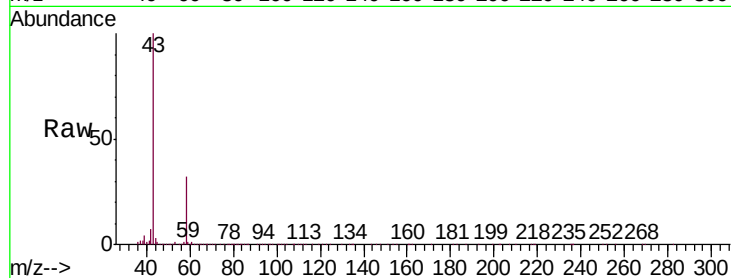
VSTD05098

Tgt Ion: 43 Resp: 358490

Ion Ratio Lower Upper

43 100

58 31.7 0.0 60.8



#14

Carbon disulfide

Concen: 44.909 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013899.D

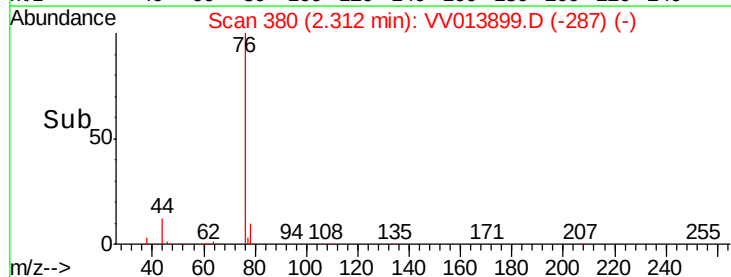
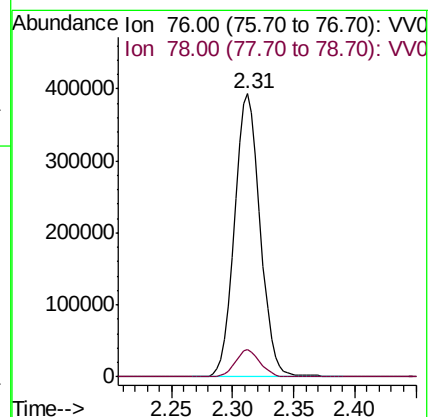
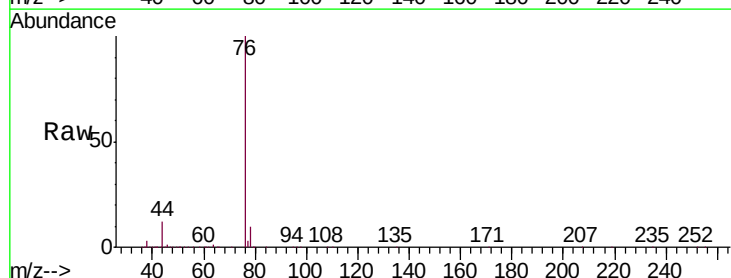
Acq: 03 Dec 2019 19:05

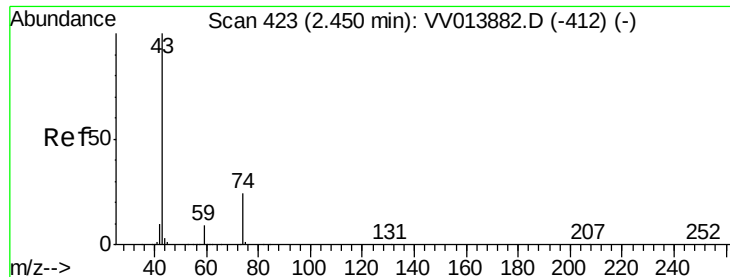
Tgt Ion: 76 Resp: 576395

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

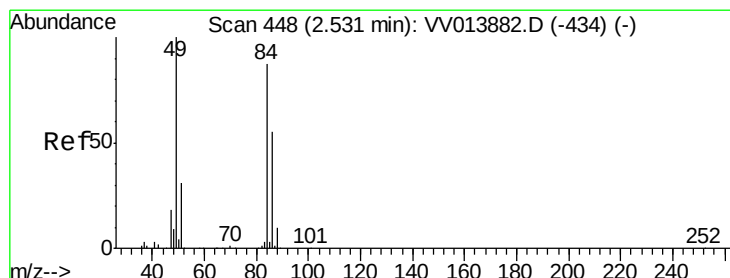
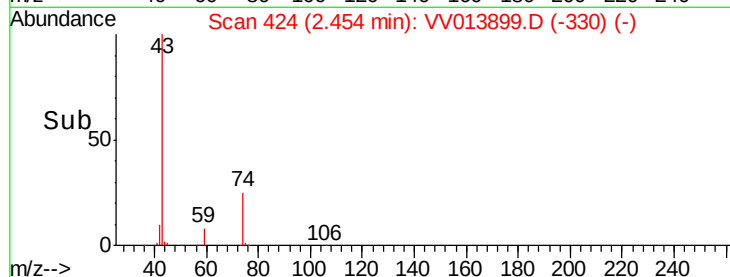
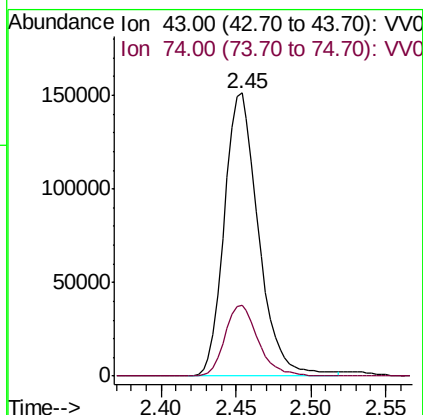
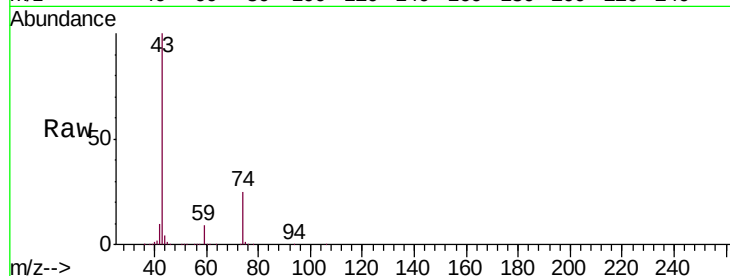




#15
Methyl Acetate
Concen: 48.817 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

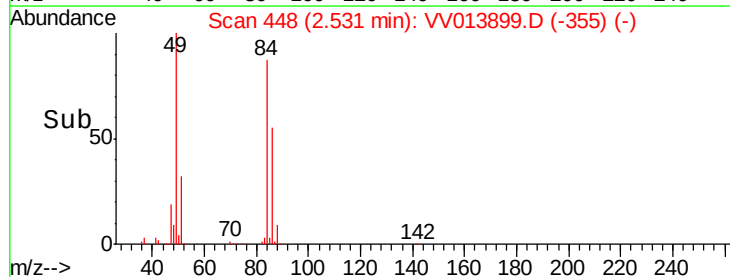
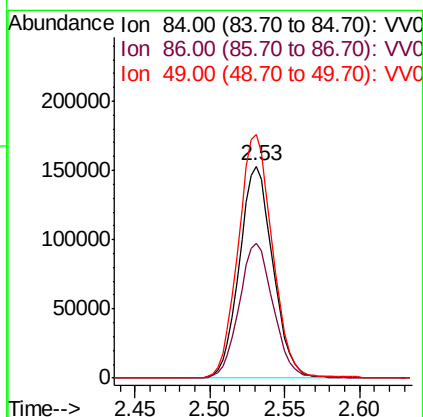
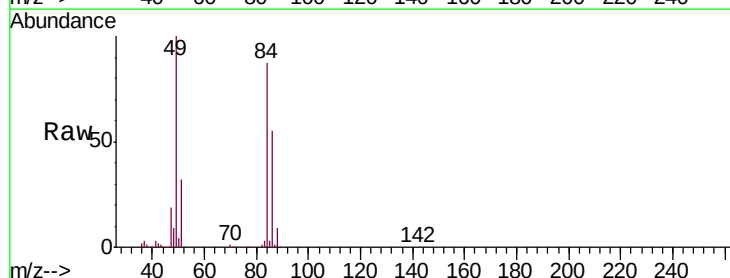
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

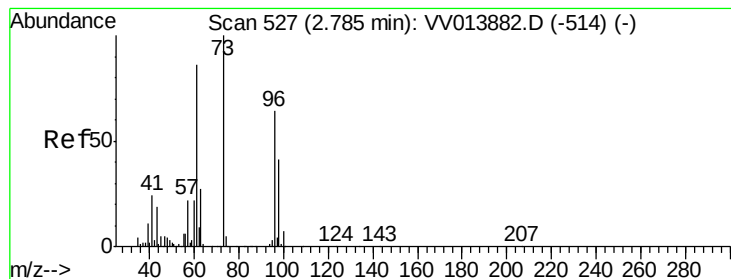
Tgt Ion: 43 Resp: 240447
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9



#16
Methylene chloride
Concen: 47.151 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

Tgt Ion: 84 Resp: 238970
Ion Ratio Lower Upper
84 100
86 63.4 43.9 81.5
49 114.9 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 46.560 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

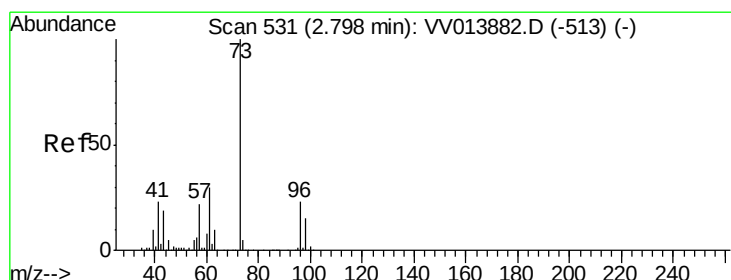
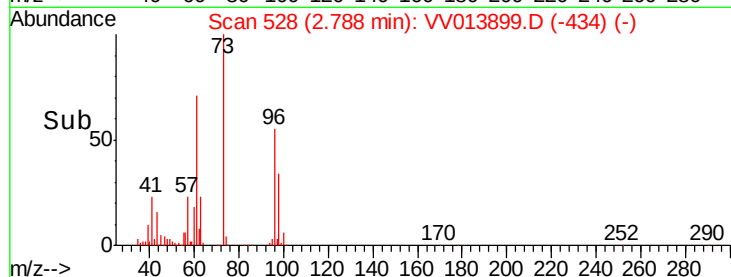
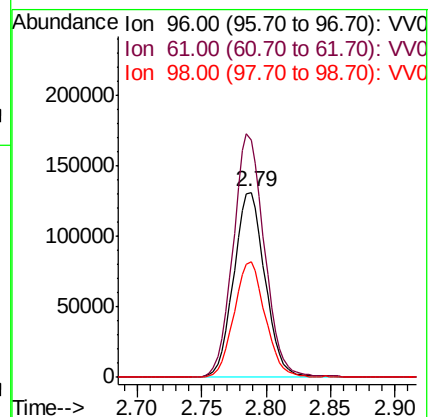
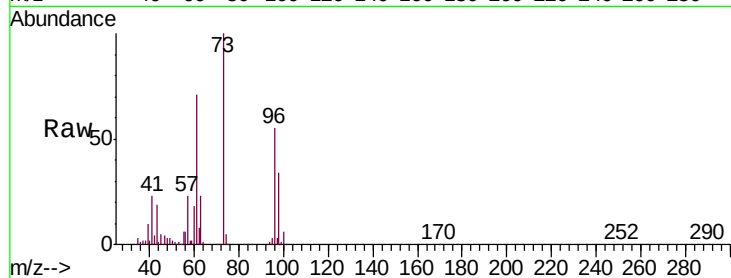
Tgt Ion: 96 Resp: 221652

Ion Ratio Lower Upper

96 100

61 128.2 92.2 171.2

98 62.1 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 49.480 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

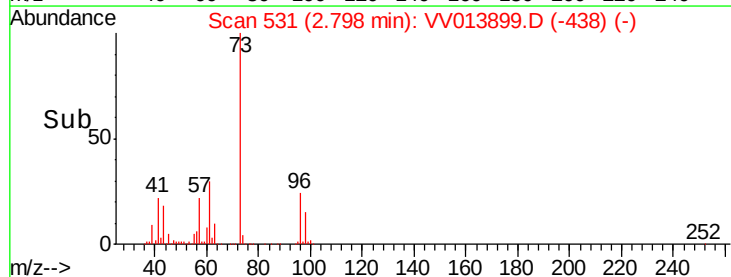
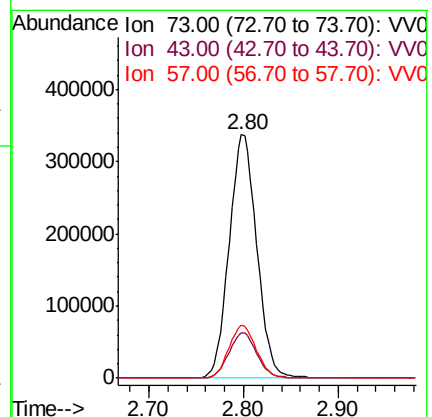
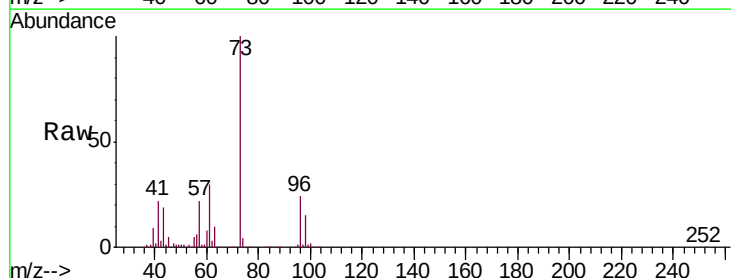
Tgt Ion: 73 Resp: 683568

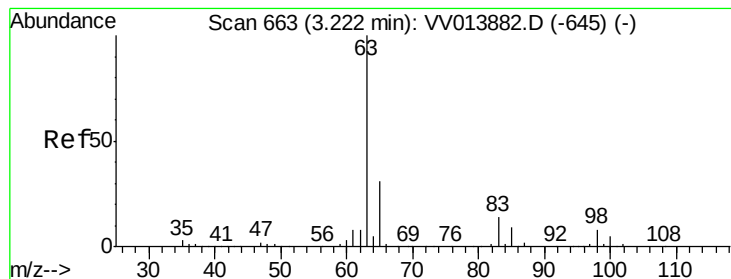
Ion Ratio Lower Upper

73 100

43 18.7 15.0 22.6

57 21.6 17.4 26.2





#19

1,1-Dichloroethane

Concen: 47.402 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampled :

VSTD05098

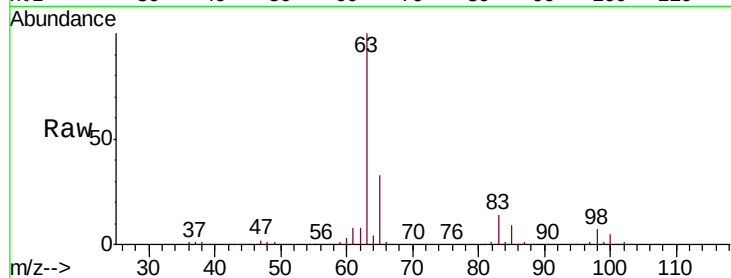
Tgt Ion: 63 Resp: 406556

Ion Ratio Lower Upper

63 100

65 32.5 21.5 39.9

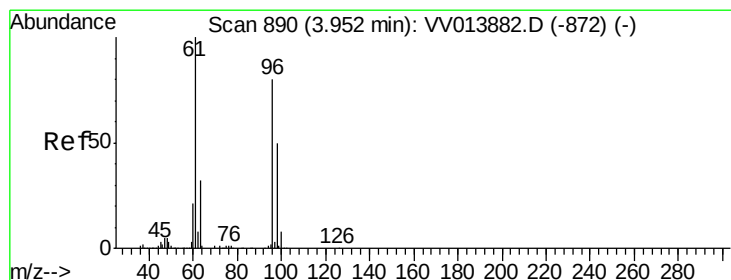
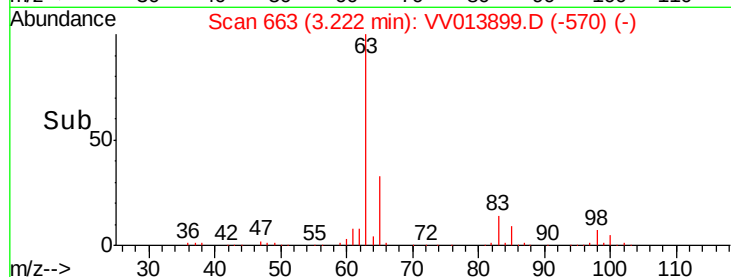
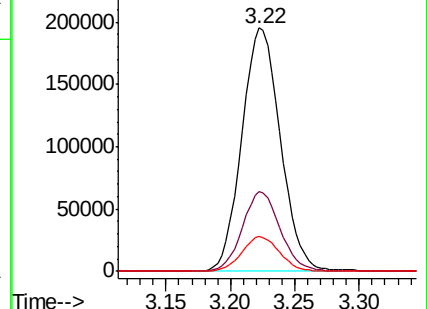
83 14.3 9.7 18.1



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: 47.715 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

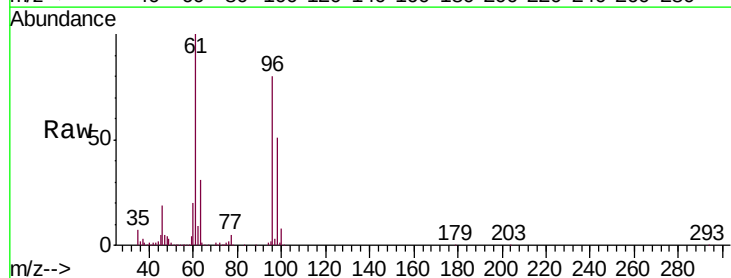
Tgt Ion: 96 Resp: 245987

Ion Ratio Lower Upper

96 100

61 125.2 85.3 158.5

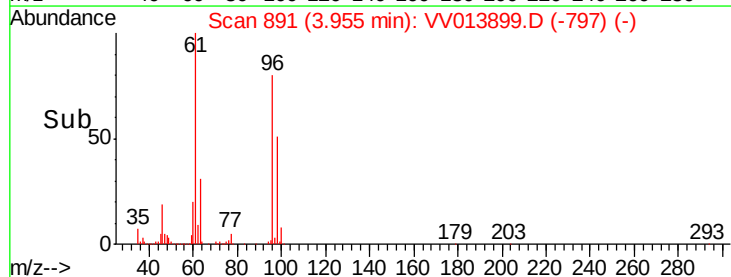
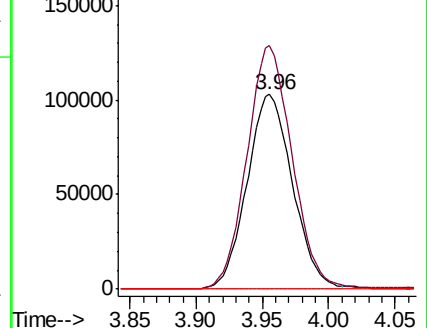
68 0.0 0.0 0.0

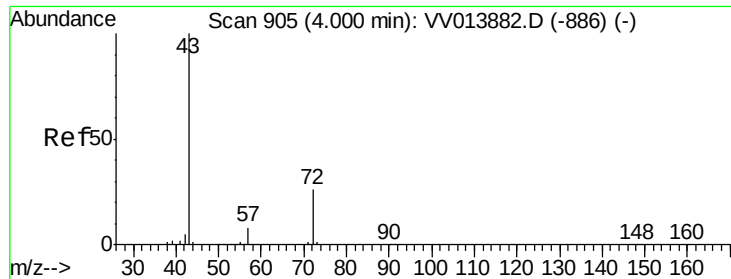


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 99.575 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

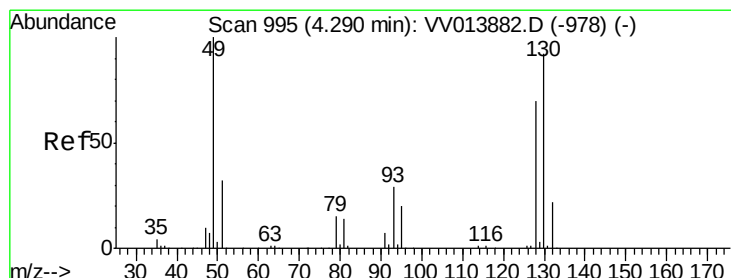
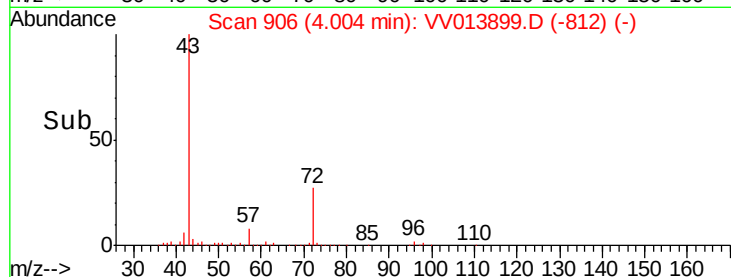
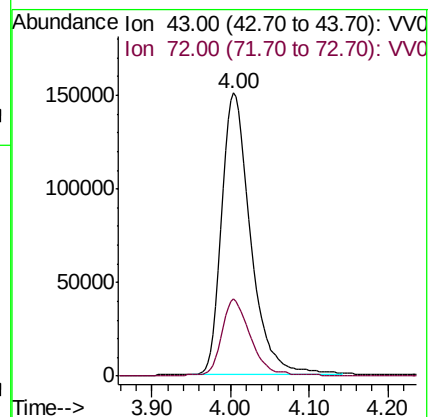
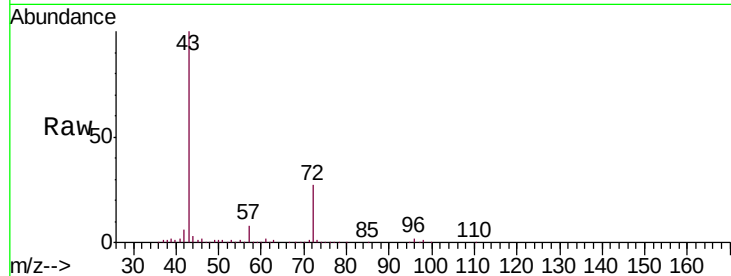
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tgt Ion: 43 Resp: 381971

Ion Ratio Lower Upper

43 100

72 27.1 14.1 42.2



#23

Bromochloromethane

Concen: 47.970 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Tgt Ion: 128 Resp: 136630

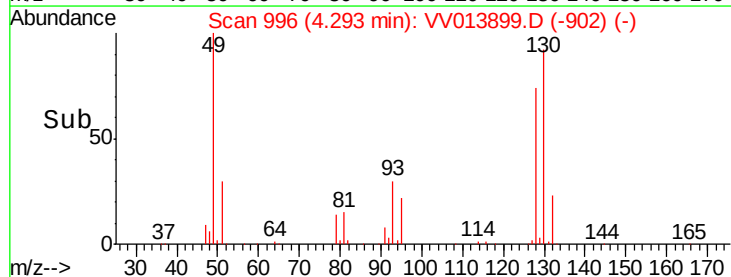
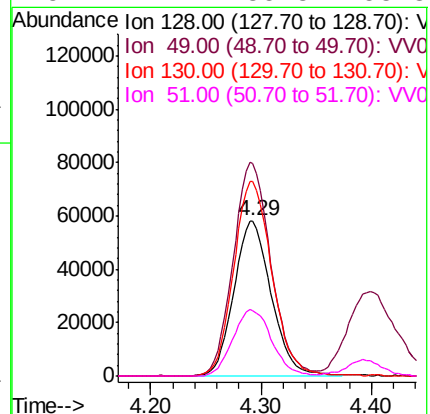
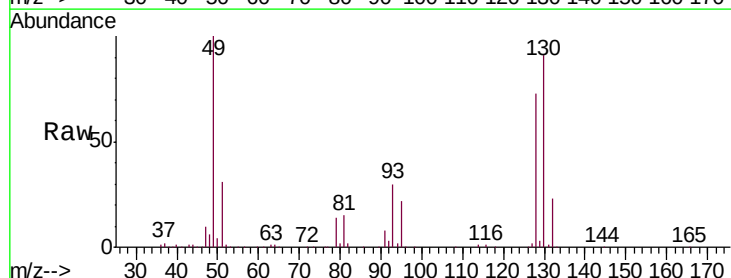
Ion Ratio Lower Upper

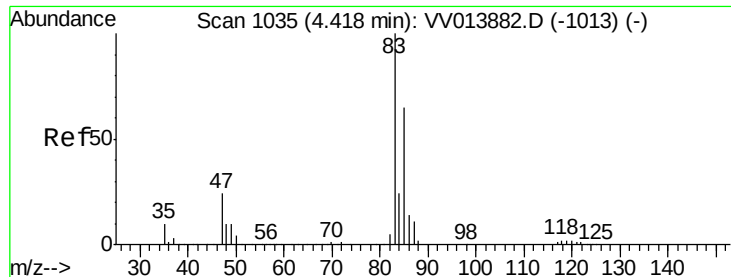
128 100

49 137.1 100.4 186.4

130 125.3 88.3 163.9

51 42.4 35.8 53.8

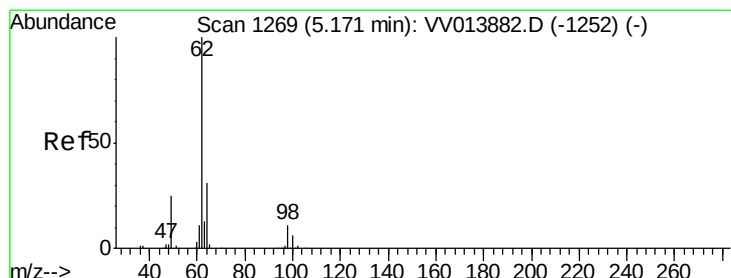
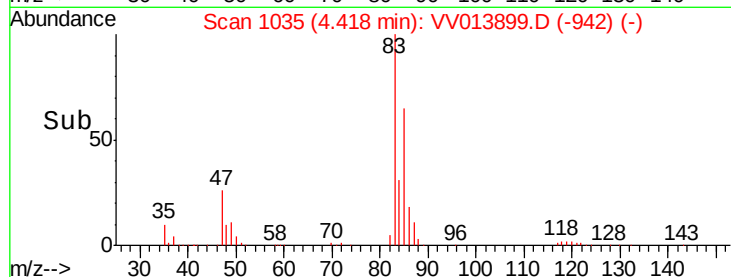
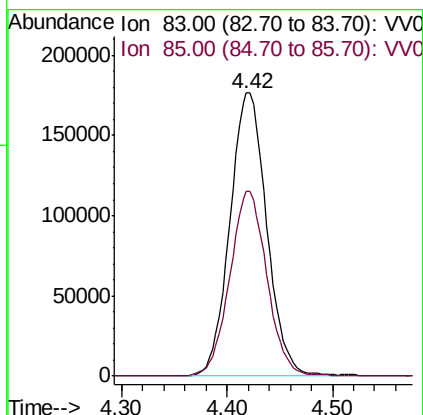
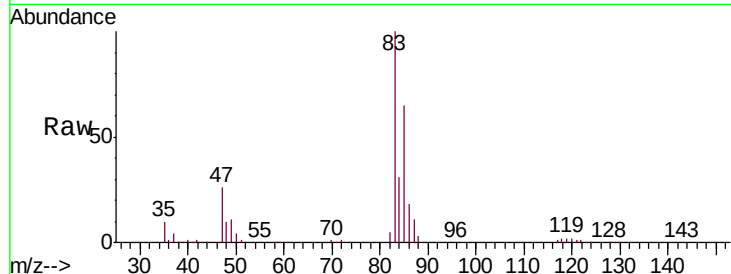




#25
Chloroform
Concen: 46.581 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

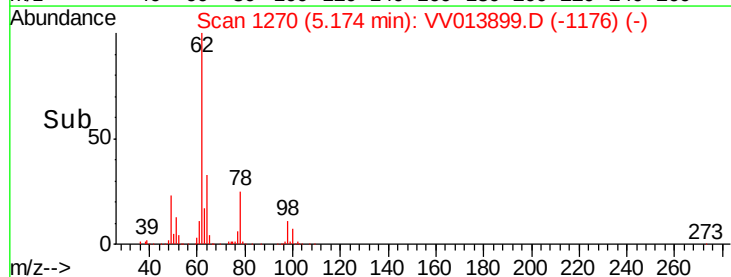
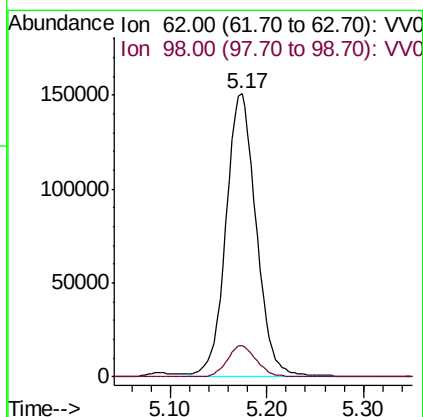
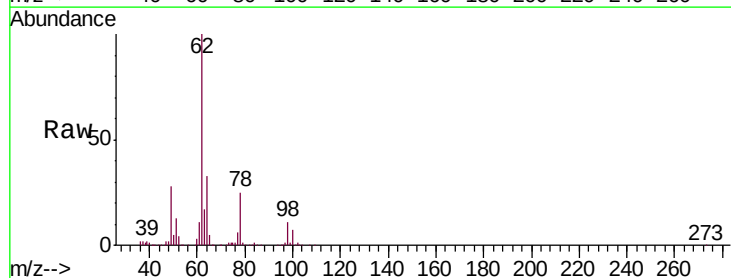
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

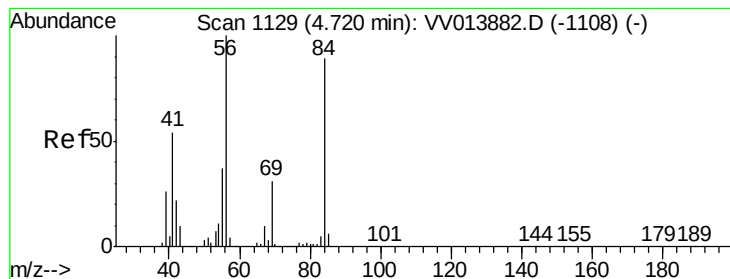
Tgt Ion: 83 Resp: 427109
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 49.084 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

Tgt Ion: 62 Resp: 324295
Ion Ratio Lower Upper
62 100
98 11.2 8.5 12.7





#29

Cyclohexane

Concen: 46.878 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

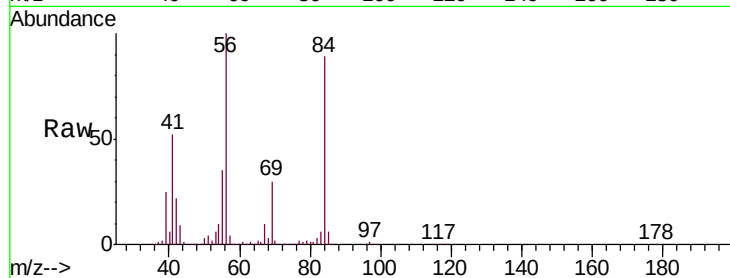
Tgt Ion: 56 Resp: 354791

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

84 89.4 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VV013882.D (-1108) (-)

Ion 69.00 (68.70 to 69.70): VV013882.D (-1108) (-)

Ion 84.00 (83.70 to 84.70): VV013882.D (-1108) (-)

200000

150000

100000

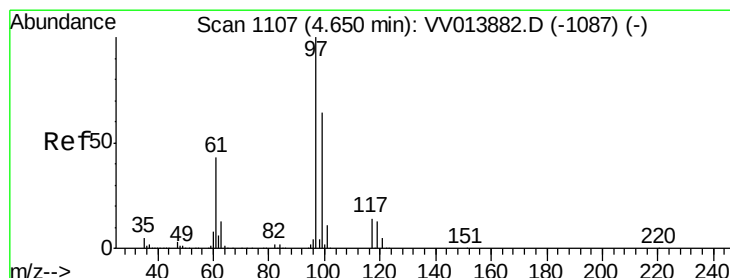
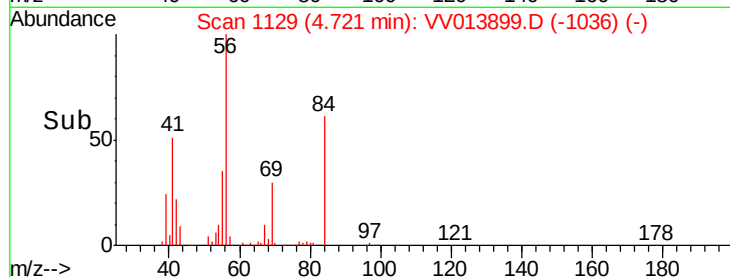
50000

0

4.60 4.70 4.80

4.72

Time-->



#30

1,1,1-Trichloroethane

Concen: 46.510 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

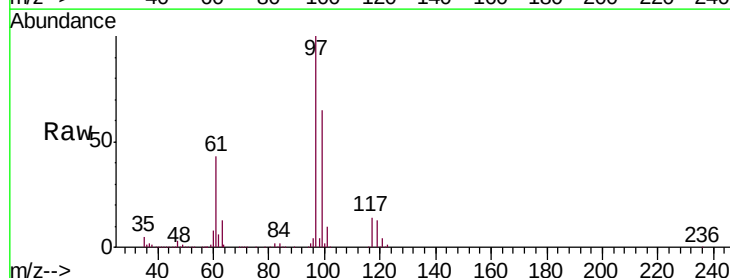
Tgt Ion: 97 Resp: 363722

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.2

61 42.6 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV013882.D (-1087) (-)

Ion 99.00 (98.70 to 99.70): VV013882.D (-1087) (-)

Ion 61.05 (60.75 to 61.75): VV013882.D (-1087) (-)

200000

150000

100000

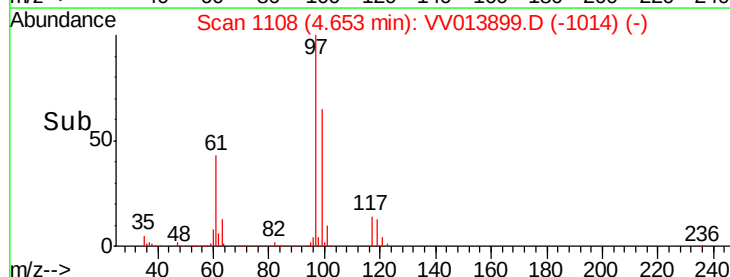
50000

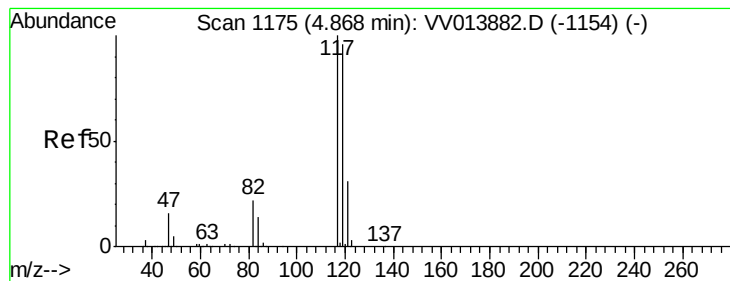
0

4.55 4.60 4.65 4.70 4.75

4.65

Time-->





#31

Carbon tetrachloride

Concen: 46.774 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

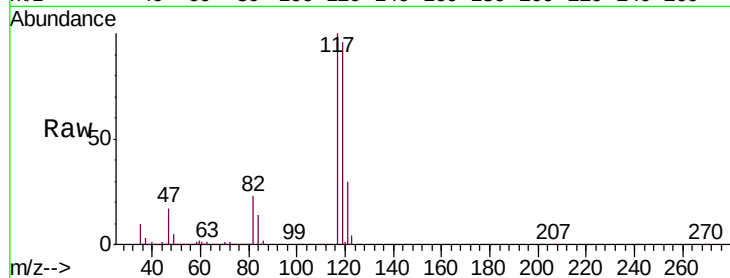
VSTD05098

Tgt Ion:117 Resp: 326750

Ion Ratio Lower Upper

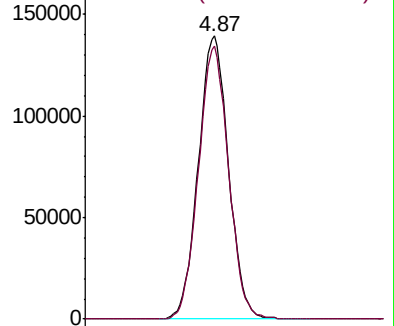
117 100

119 96.2 77.9 116.9

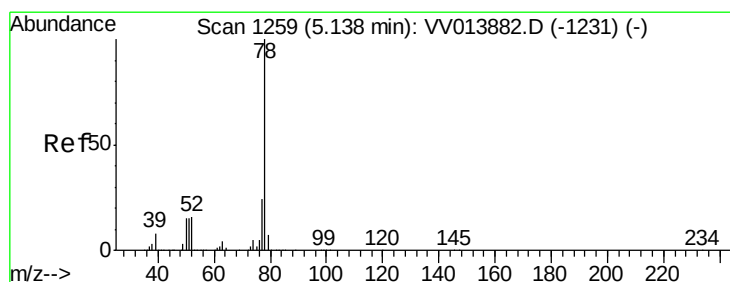
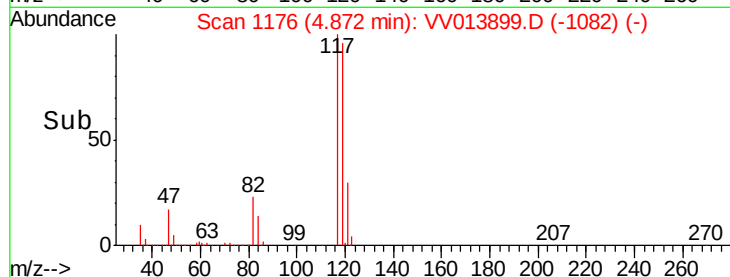


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 48.605 ug/L

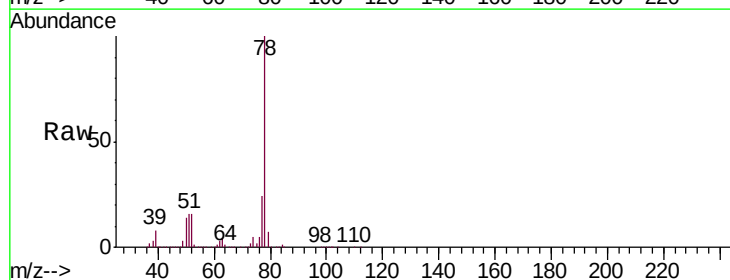
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

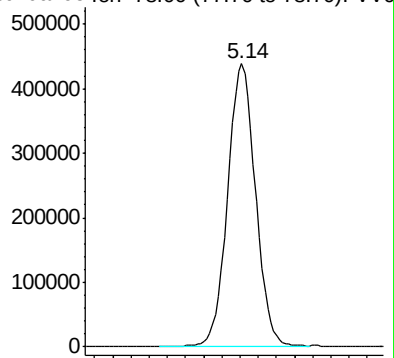
Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

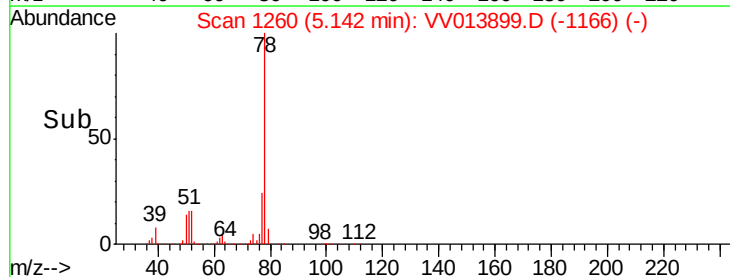
Tgt Ion: 78 Resp: 937666

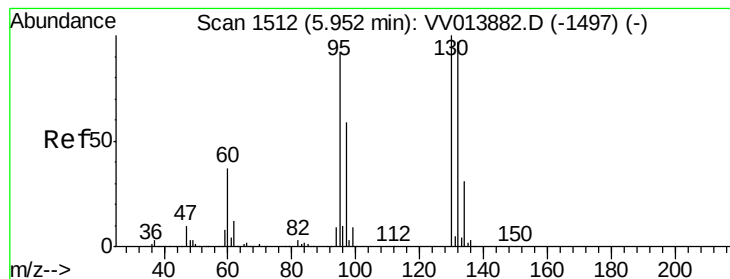


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#34

Trichloroethene

Concen: 47.000 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tgt Ion: 95 Resp: 243186

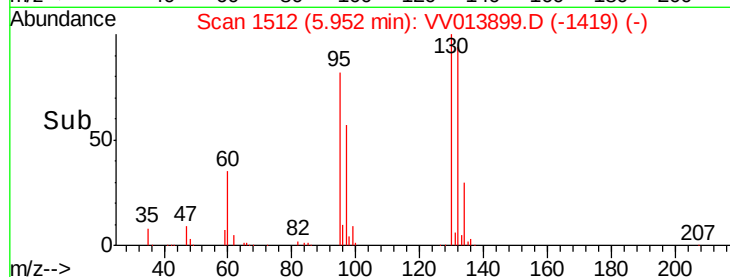
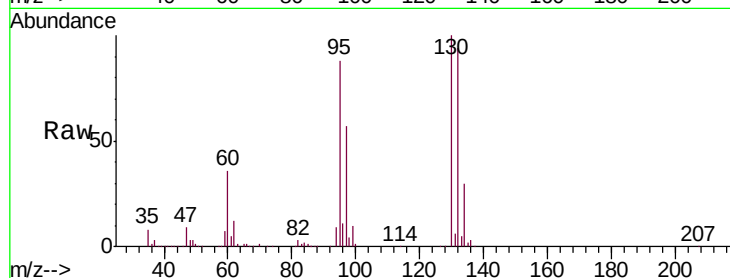
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.4

132 106.2 73.7 136.9

130 113.1 77.1 143.1

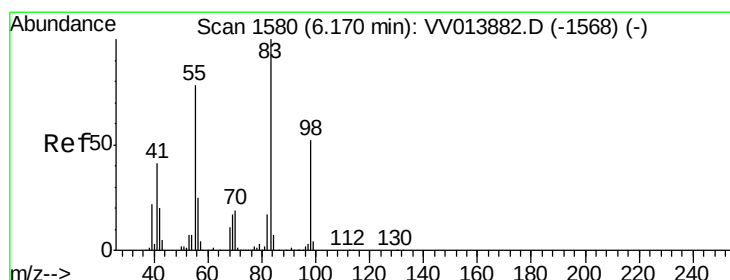
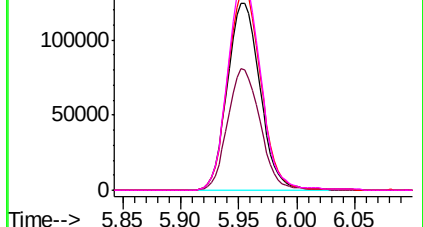


Abundance Ion 95.00 (94.70 to 95.70): VV013882.D (-1497) (-)

Ion 97.00 (96.70 to 97.70): VV013882.D (-1497) (-)

Ion 132.00 (131.70 to 132.70): VV013882.D (-1497) (-)

Ion 130.00 (129.70 to 130.70): VV013882.D (-1497) (-)



#35

Methylcyclohexane

Concen: 45.908 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

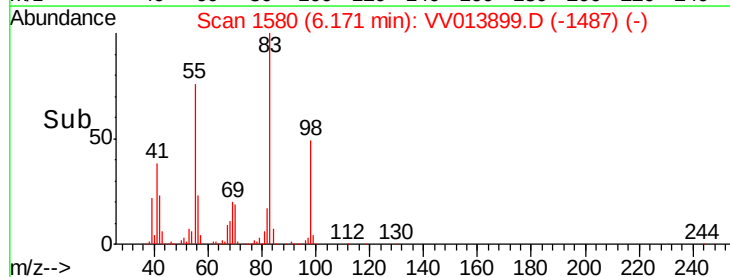
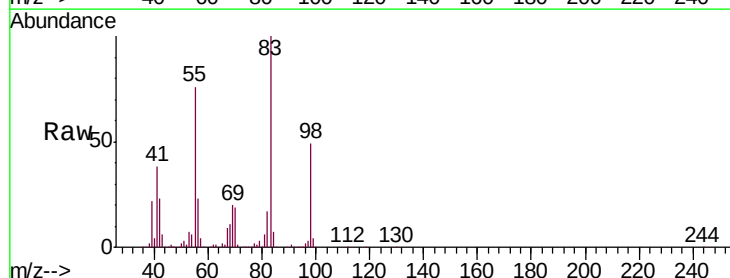
Tgt Ion: 83 Resp: 356396

Ion Ratio Lower Upper

83 100

55 75.3 61.0 91.4

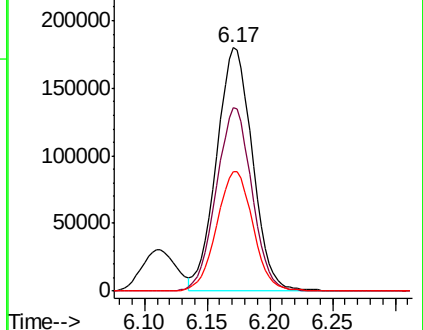
98 49.7 39.6 59.4

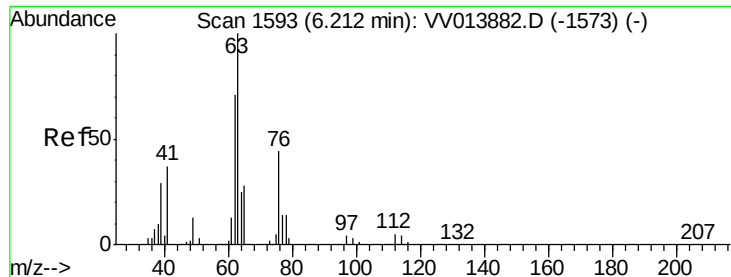


Abundance Ion 83.00 (82.70 to 83.70): VV013882.D (-1568) (-)

Ion 55.00 (54.70 to 55.70): VV013882.D (-1568) (-)

Ion 98.00 (97.70 to 98.70): VV013882.D (-1568) (-)

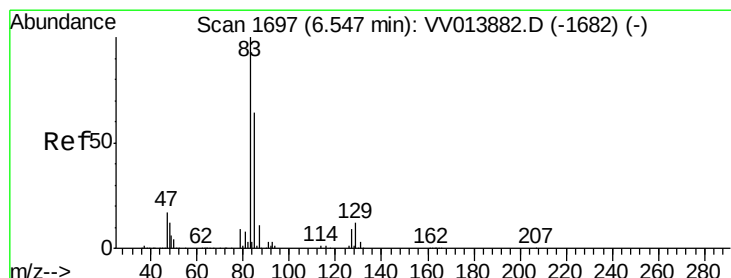
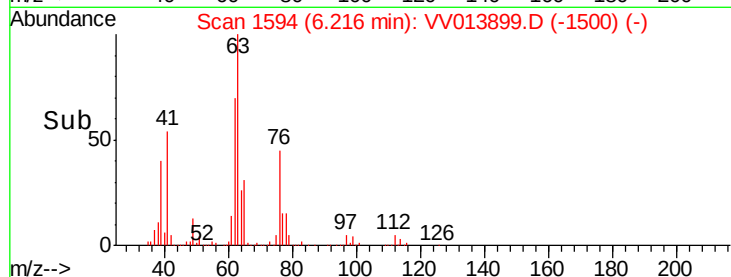
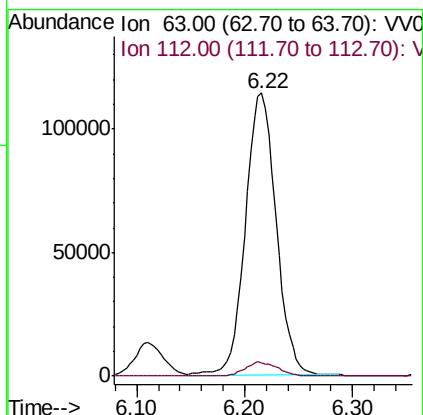
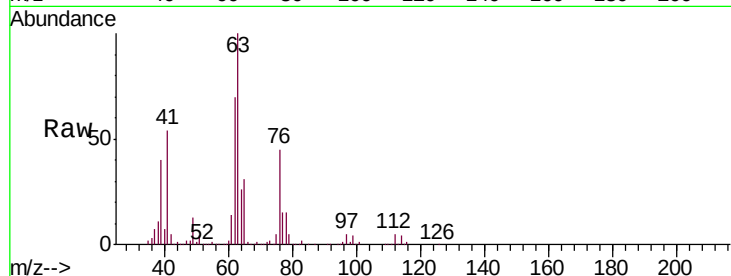




#37
 1,2-Dichloropropane
 Concen: 48.520 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

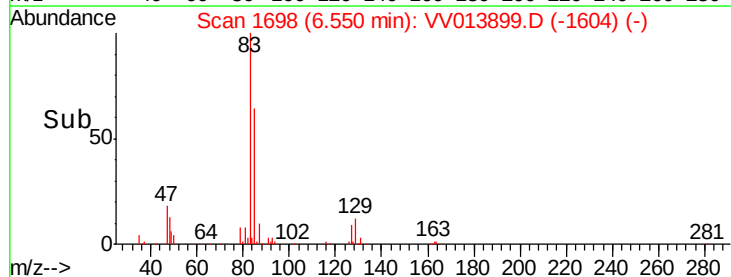
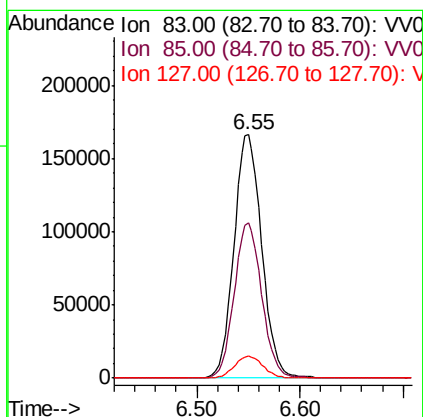
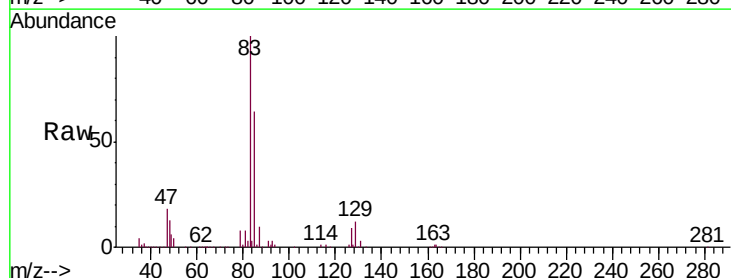
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

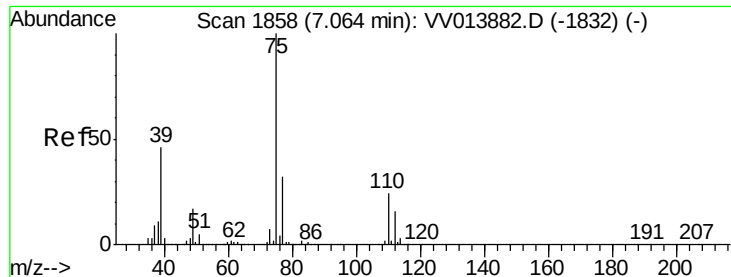
Tgt Ion: 63 Resp: 226545
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.2



#38
 Bromodichloromethane
 Concen: 47.104 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

Tgt Ion: 83 Resp: 311903
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.8 83.2
 127 8.9 7.7 11.5

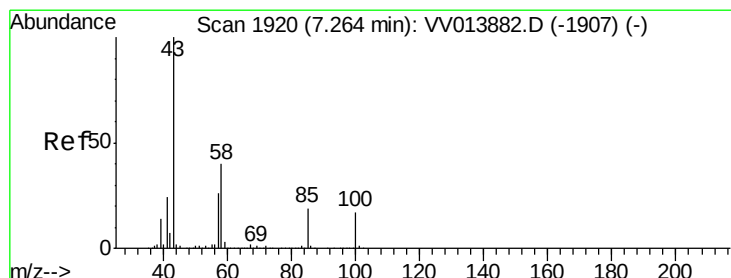
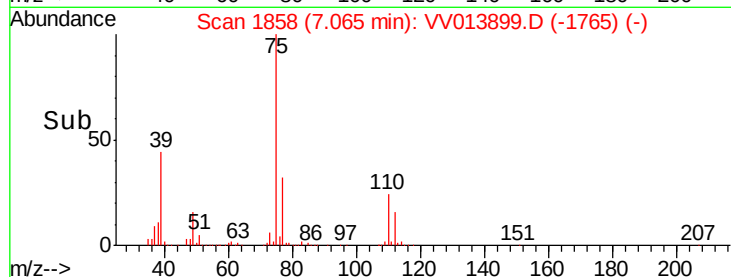
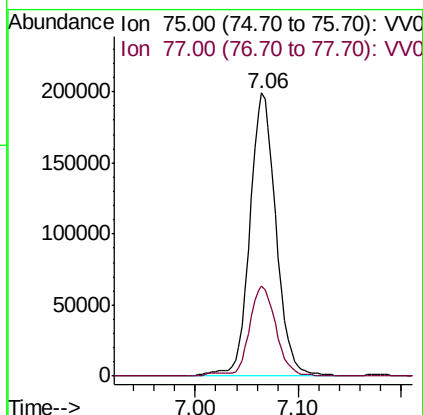
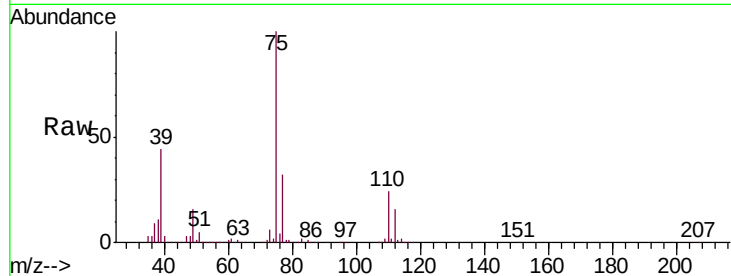




#39
 cis-1,3-Dichloropropene
 Concen: 47.475 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

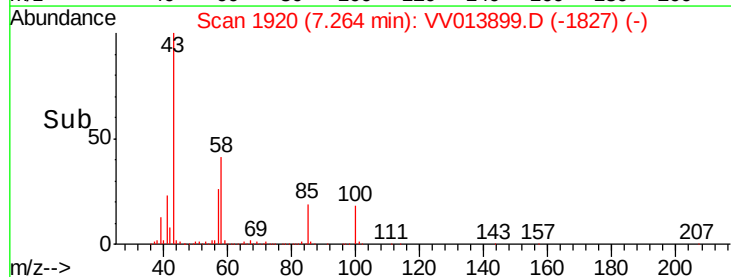
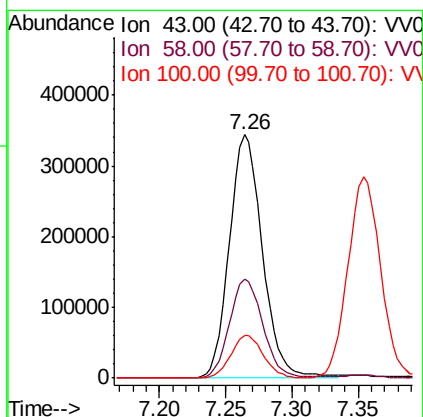
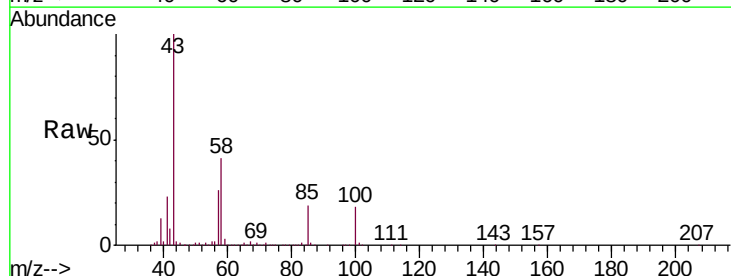
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

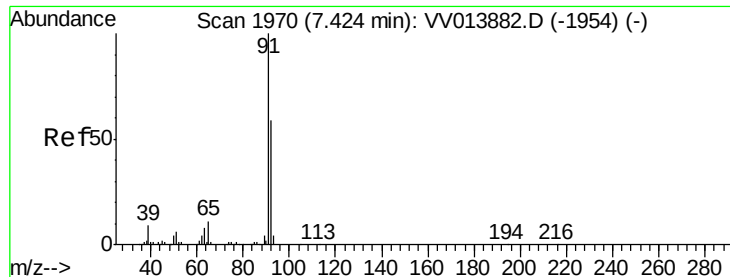
Tgt Ion: 75 Resp: 348959
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 98.220 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

Tgt Ion: 43 Resp: 596335
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.9 47.9
 100 17.4 13.7 20.5





#42

Toluene

Concen: 48.283 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

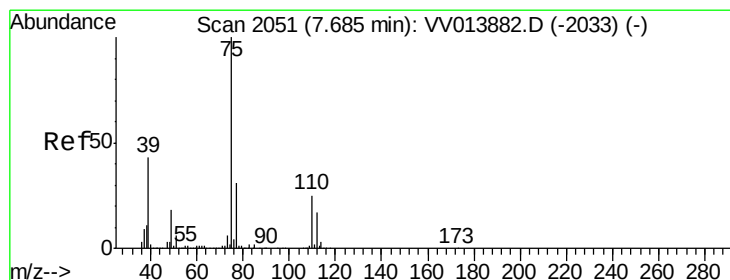
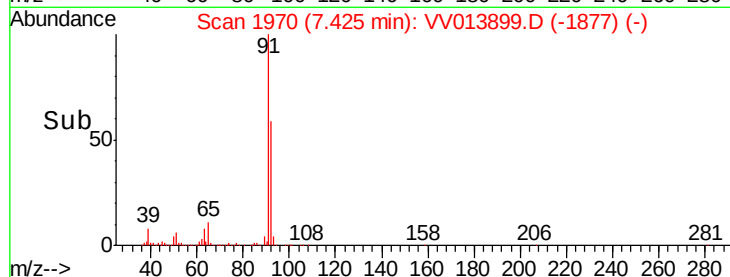
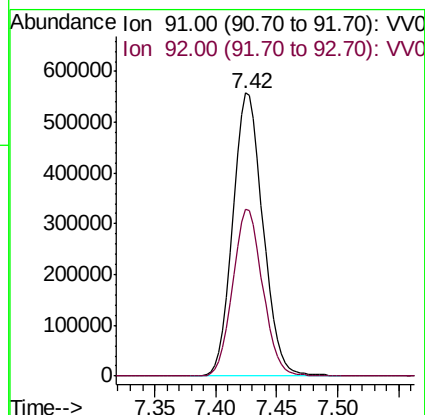
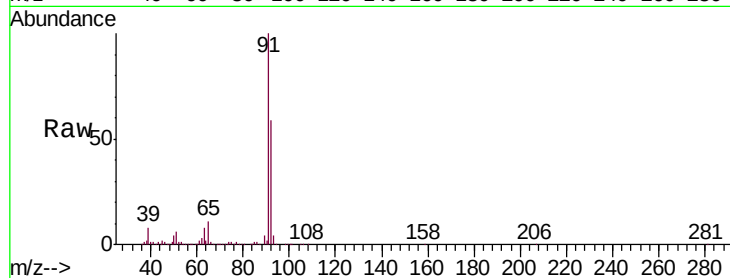
VSTD05098

Tgt Ion: 91 Resp: 961041

Ion Ratio Lower Upper

91 100

92 58.8 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 45.644 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013899.D

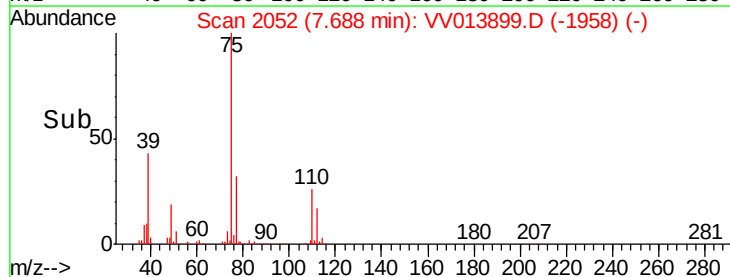
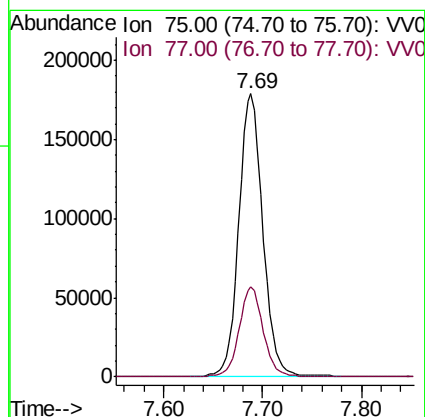
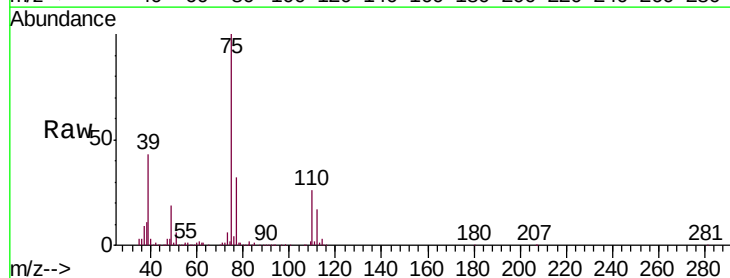
Acq: 03 Dec 2019 19:05

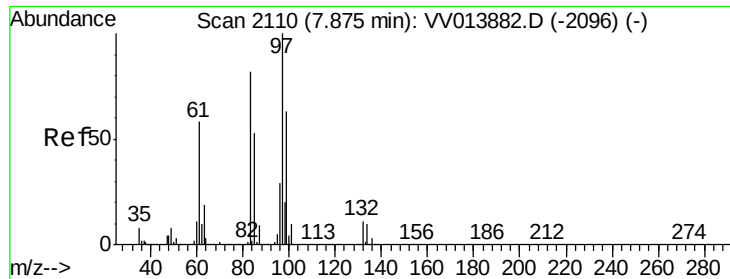
Tgt Ion: 75 Resp: 303812

Ion Ratio Lower Upper

75 100

77 31.9 22.9 42.5

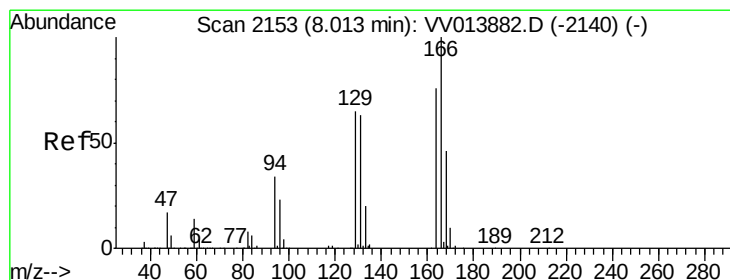
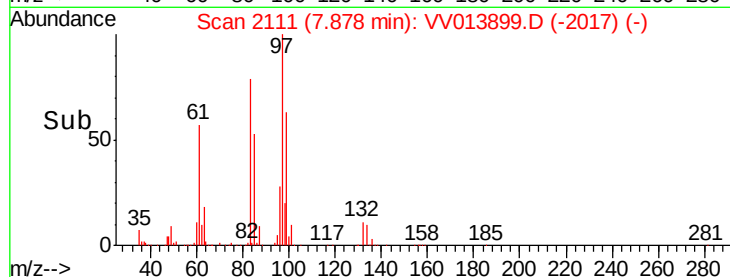
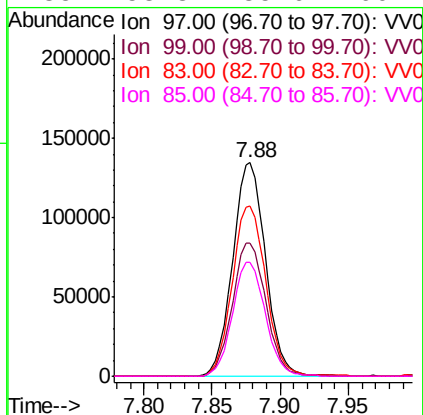
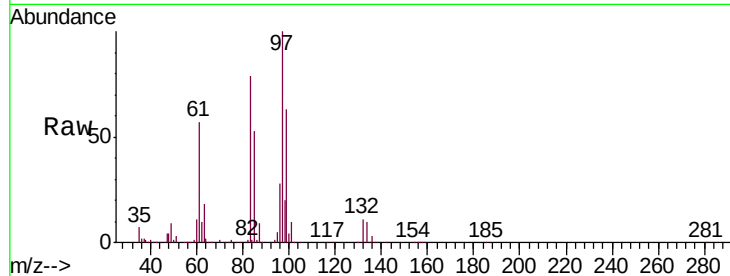




#45
 1,1,2-Trichloroethane
 Concen: 48.666 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

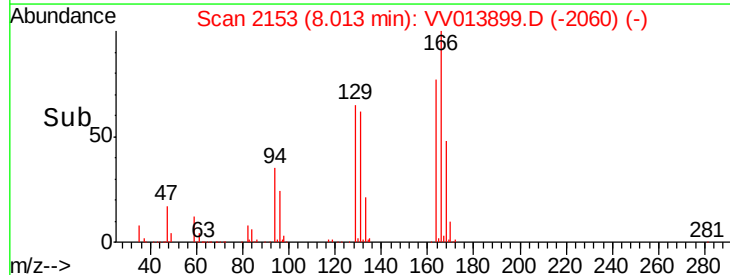
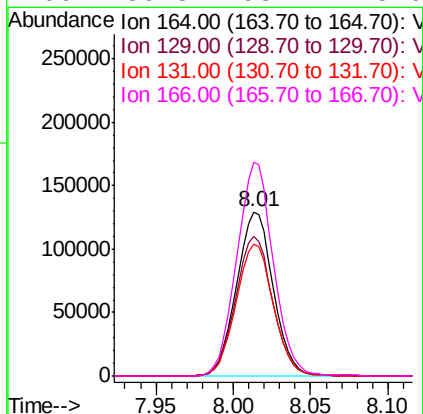
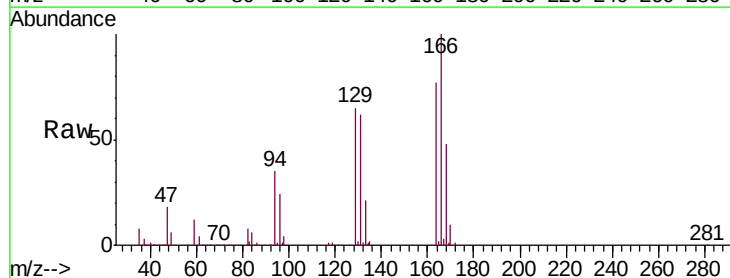
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

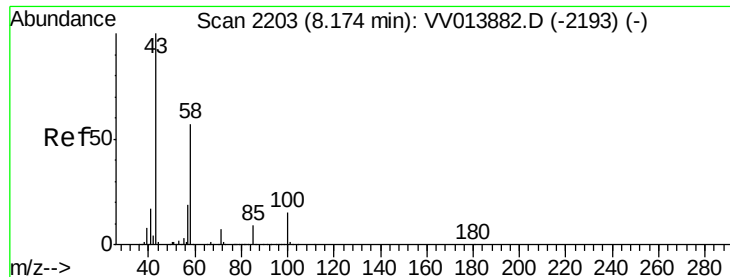
Tgt Ion:	97	Resp:	225545
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.0	80.0
83	79.4	57.5	106.9
85	53.3	35.6	66.2



#46
 Tetrachloroethene
 Concen: 45.597 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

Tgt Ion:	164	Resp:	212893
Ion	Ratio	Lower	Upper
164	100		
129	85.2	61.7	114.7
131	80.5	58.4	108.6
166	130.3	93.4	173.6

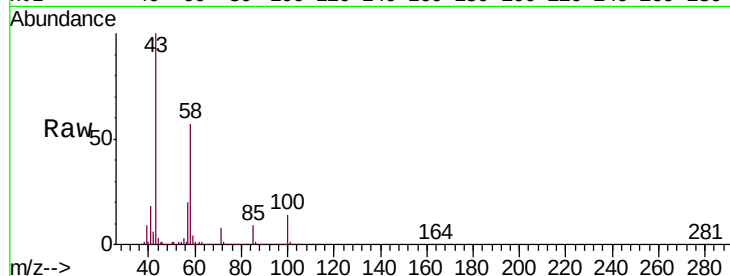




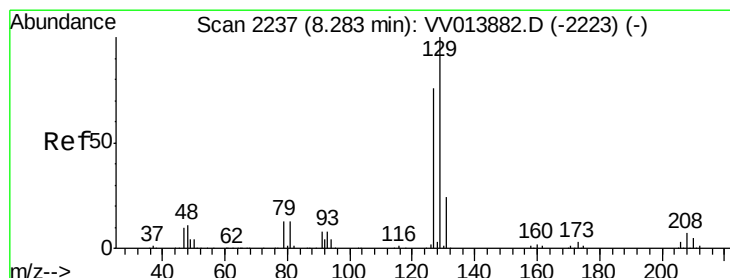
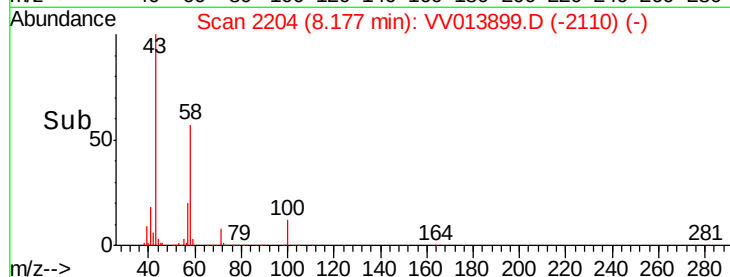
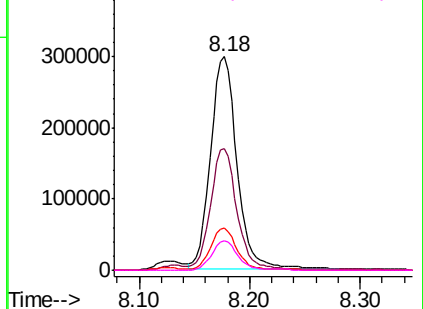
#48
2-Hexanone
Concen: 101.652 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tgt Ion: 43 Resp: 493705
Ion Ratio Lower Upper
43 100
58 56.9 48.4 72.6
57 20.3 16.6 24.8
100 13.5 11.9 17.9

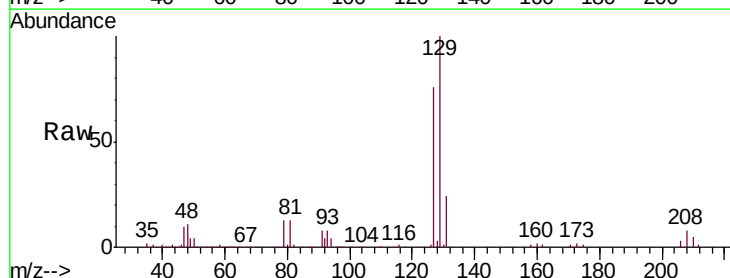


Abundance Ion 43.00 (42.70 to 43.70): VV013882.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VV013882.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VV013882.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VV013882.D (-2193) (-)

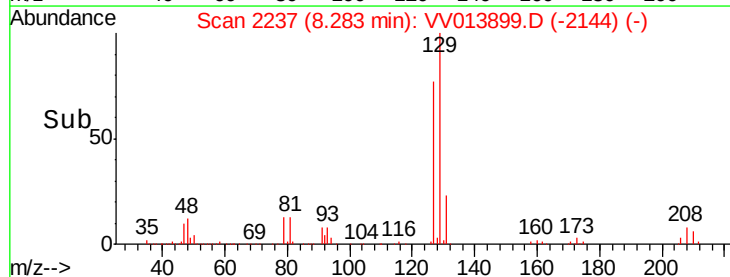
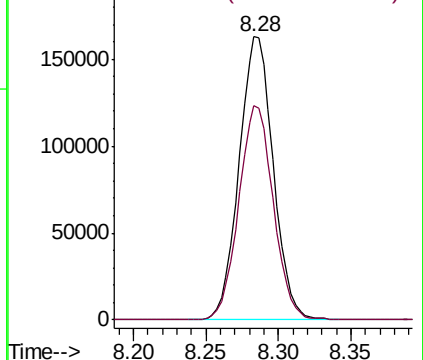


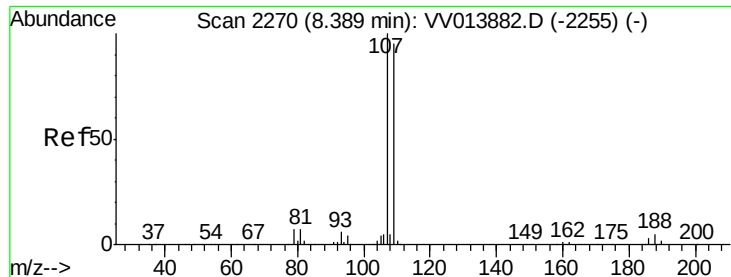
#49
Dibromochloromethane
Concen: 47.110 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

Tgt Ion: 129 Resp: 266889
Ion Ratio Lower Upper
129 100
127 75.6 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV013882.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV013882.D (-2223) (-)

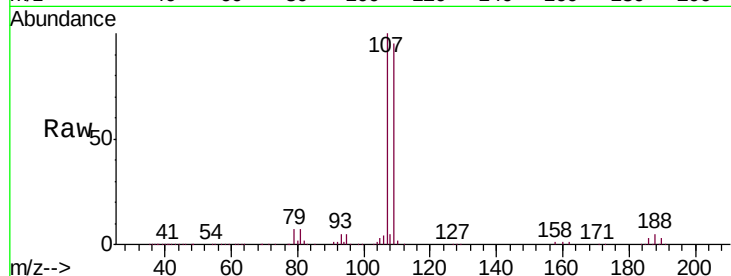




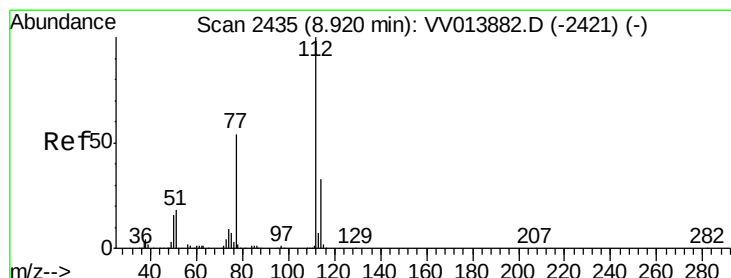
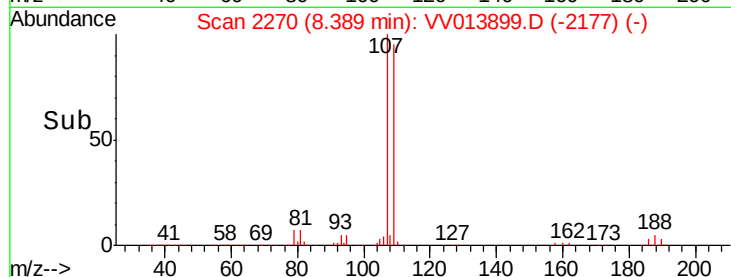
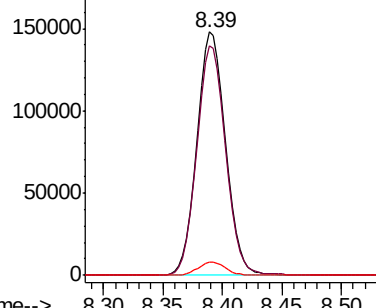
#50
1,2-Dibromoethane
Concen: 48.328 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.9	122.5
188	5.4	3.6	5.4

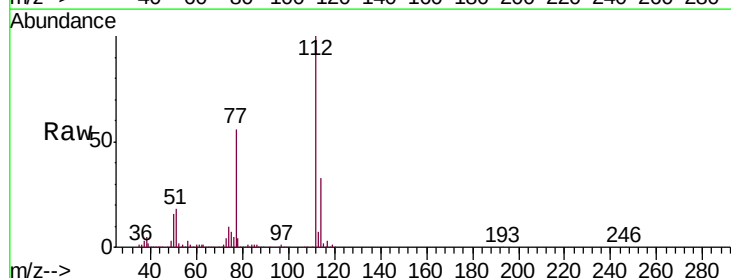


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

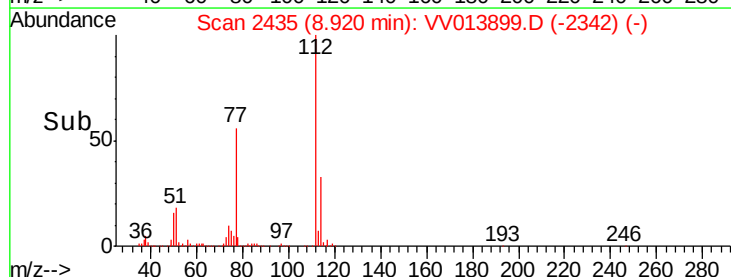
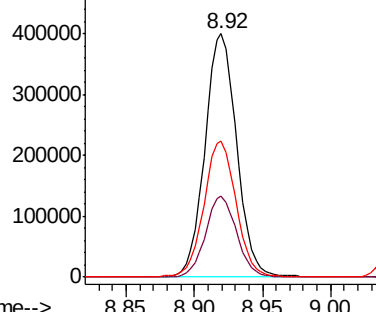


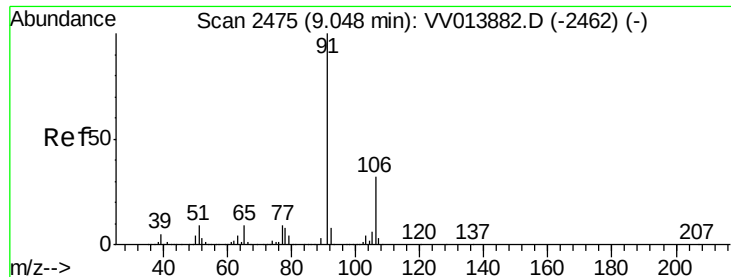
#51
Chlorobenzene
Concen: 47.110 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013899.D
Acq: 03 Dec 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	23.2	43.2
77	55.7	45.0	67.4



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





#52

Ethylbenzene

Concen: 49.649 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

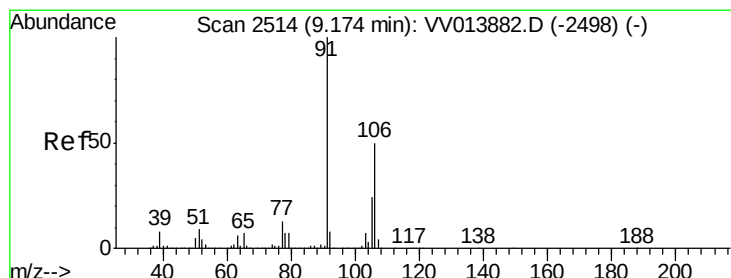
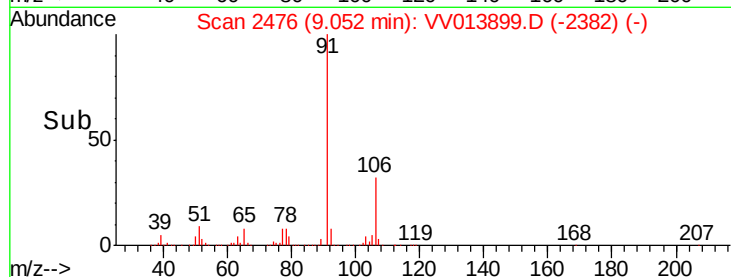
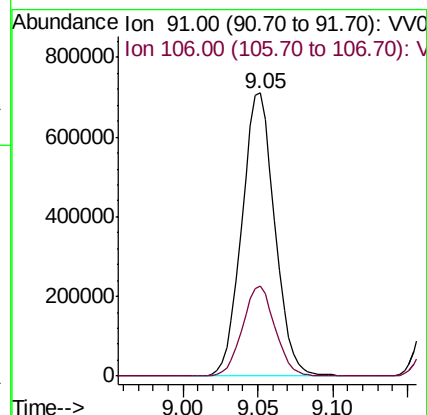
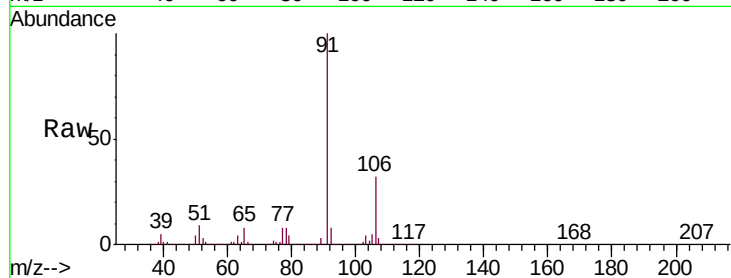
VSTD05098

Tgt Ion: 91 Resp: 1089434

Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.4



#53

m,p-Xylene

Concen: 47.091 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013899.D

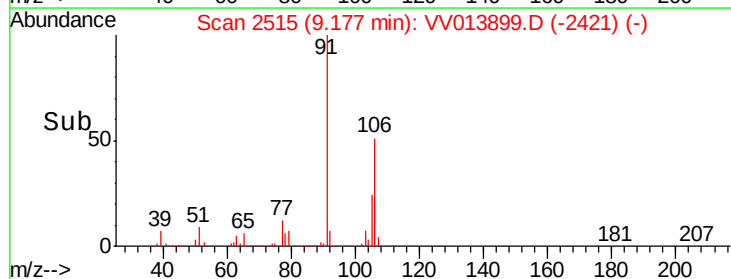
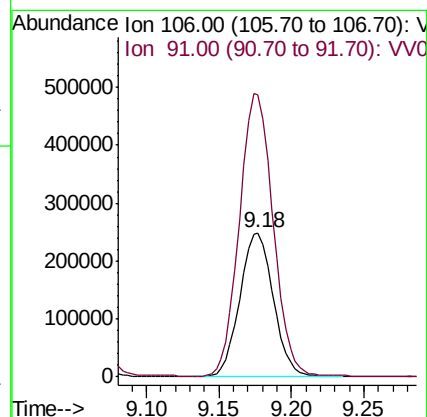
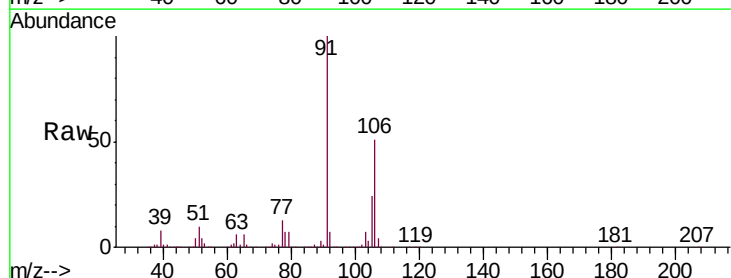
Acq: 03 Dec 2019 19:05

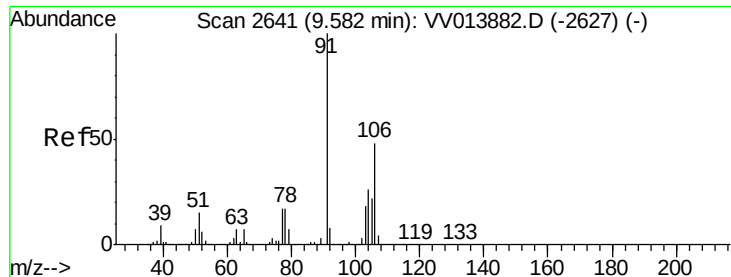
Tgt Ion: 106 Resp: 399583

Ion Ratio Lower Upper

106 100

91 195.7 139.4 259.0





#54

o-xylene

Concen: 49.408 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

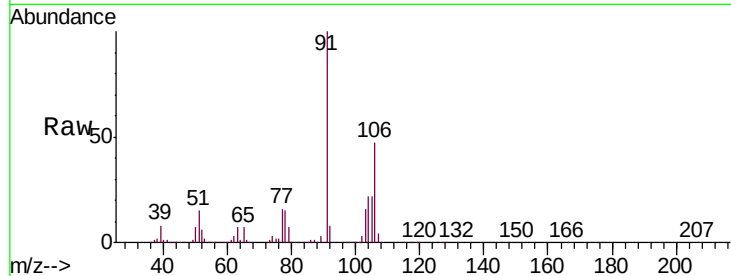
VSTD05098

Tgt Ion:106 Resp: 409915

Ion Ratio Lower Upper

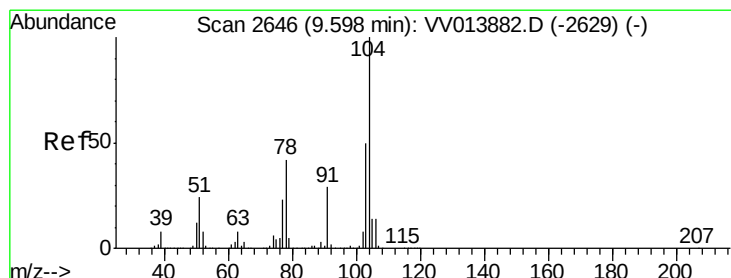
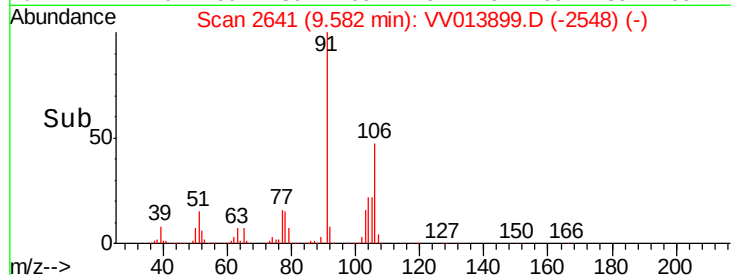
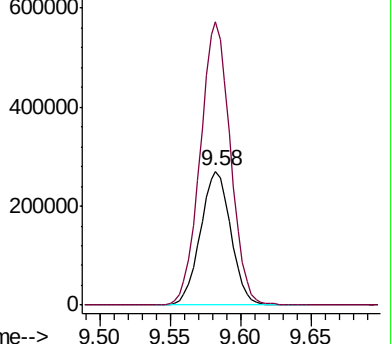
106 100

91 210.9 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.223 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013899.D

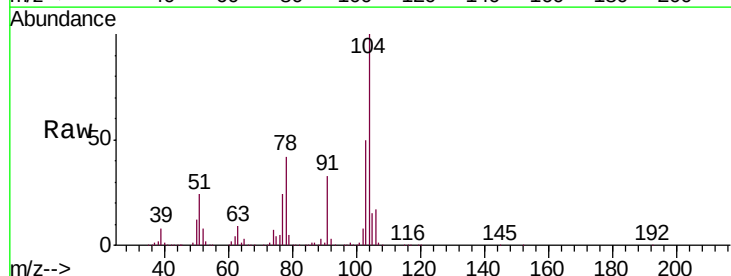
Acq: 03 Dec 2019 19:05

Tgt Ion:104 Resp: 690265

Ion Ratio Lower Upper

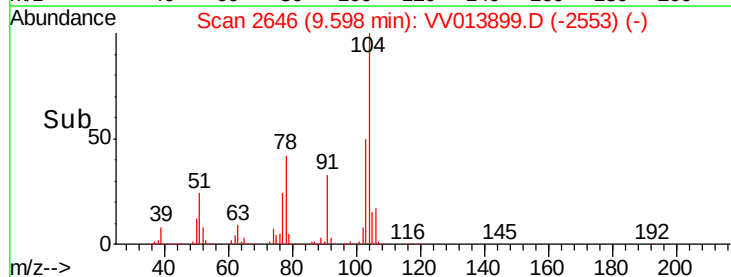
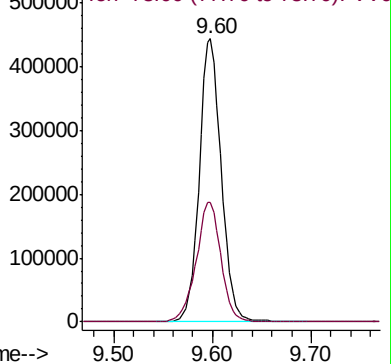
104 100

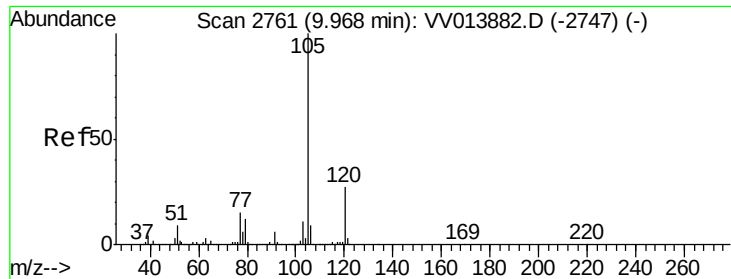
78 42.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.717 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

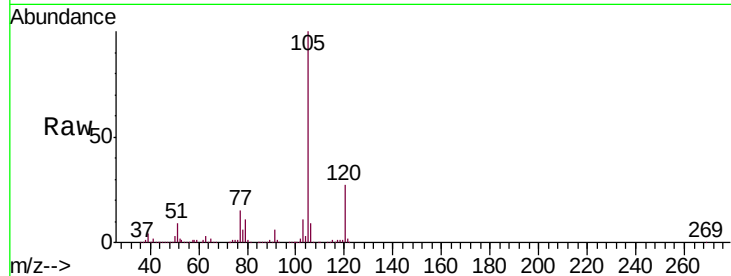
Tgt Ion:105 Resp: 1086429

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

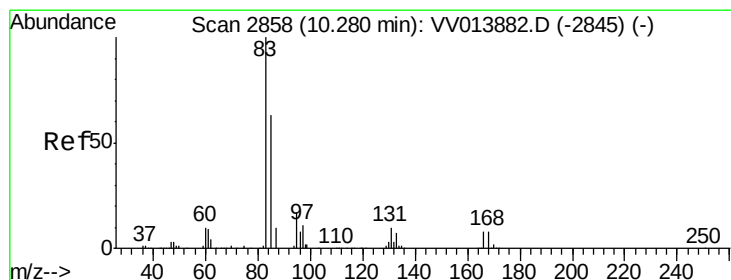
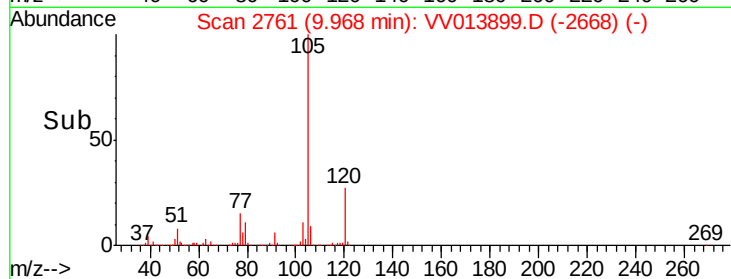
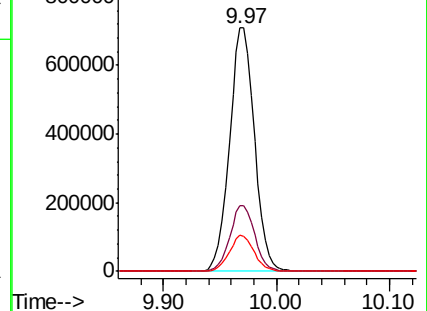
77 14.7 12.0 18.0



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: 43.749 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

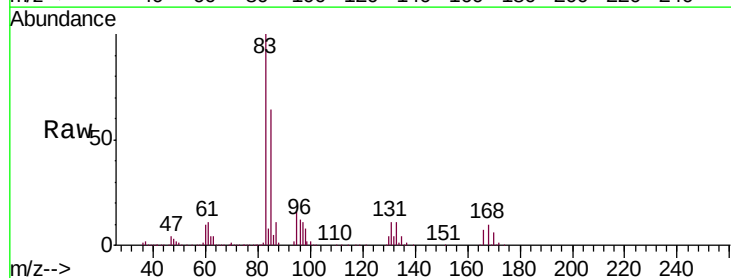
Tgt Ion: 83 Resp: 330078

Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9

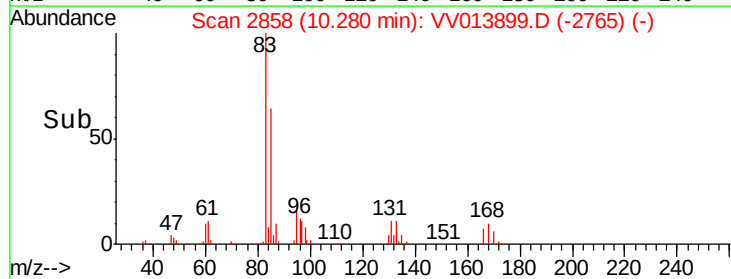
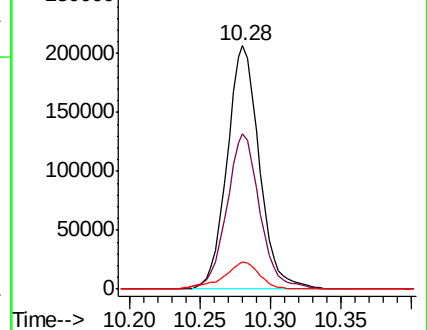
131 11.0 8.8 13.2

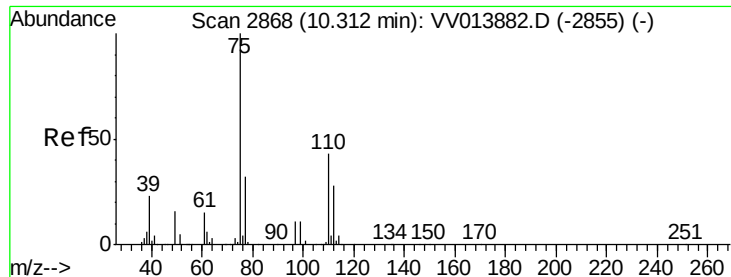


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

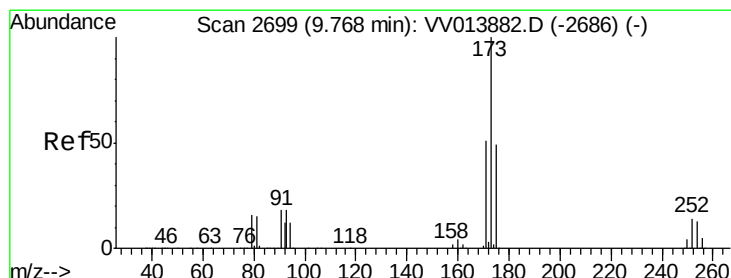
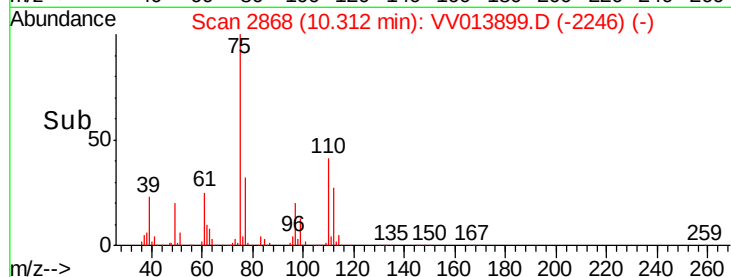
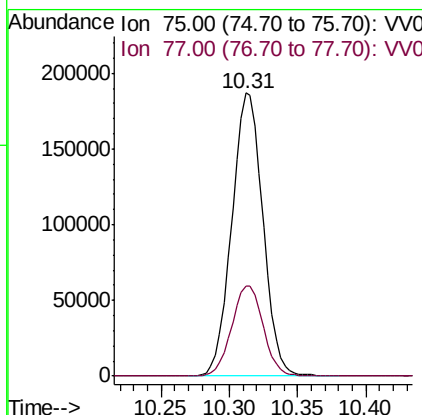
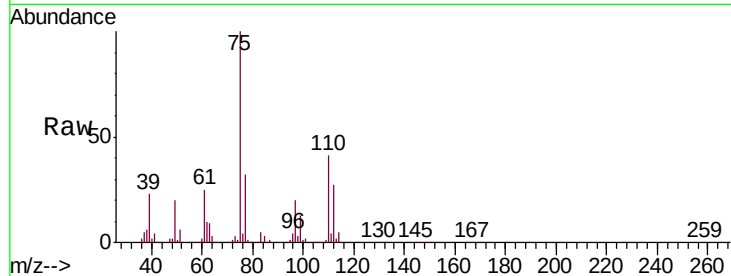




#59
 1,2,3-Trichloropropane
 Concen: 46.877 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

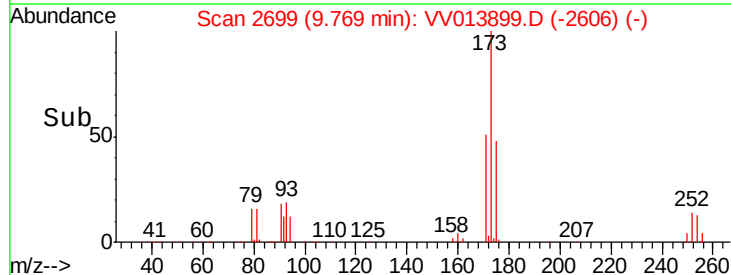
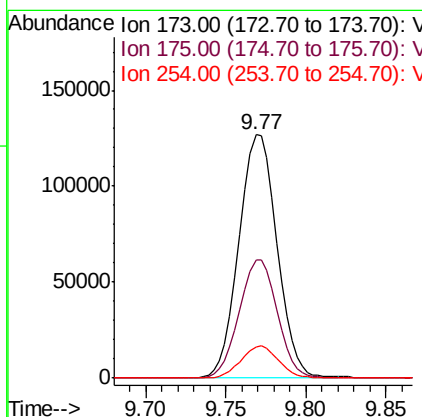
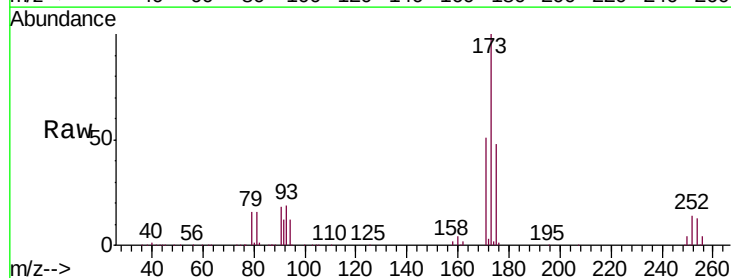
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

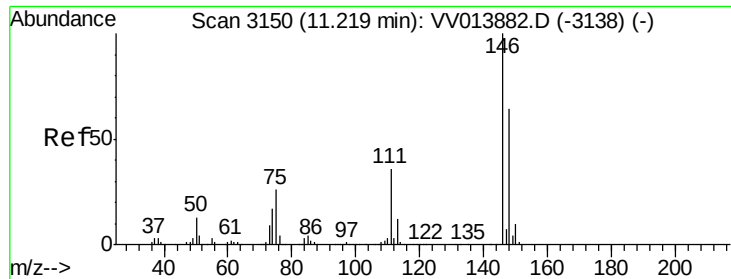
Tgt Ion: 75 Resp: 296186
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8



#61
 Bromoform
 Concen: 50.265 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

Tgt Ion: 173 Resp: 206490
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.4 57.6
 254 13.1 10.5 15.7





#62

1,3-Dichlorobenzene

Concen: 46.882 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

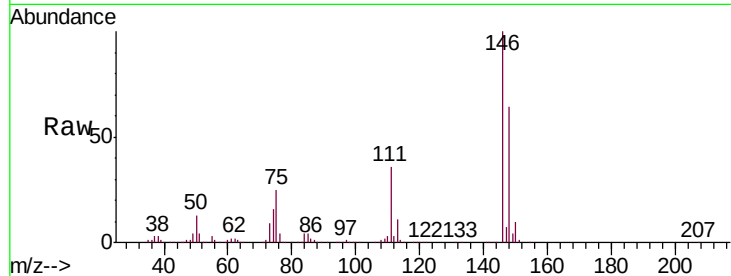
Tgt Ion:146 Resp: 516597

Ion Ratio Lower Upper

146 100

111 35.8 25.8 48.0

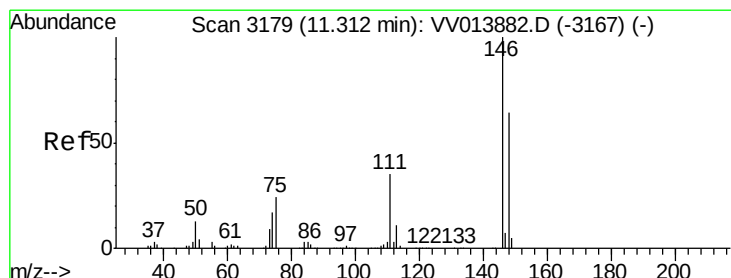
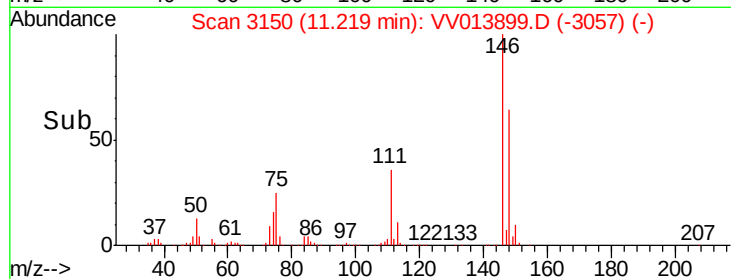
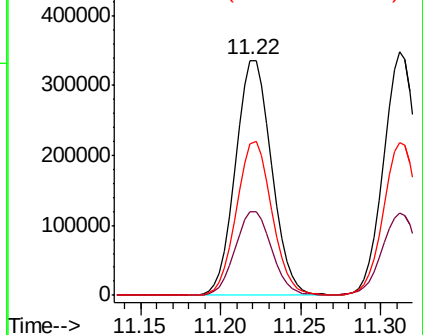
148 64.4 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.888 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

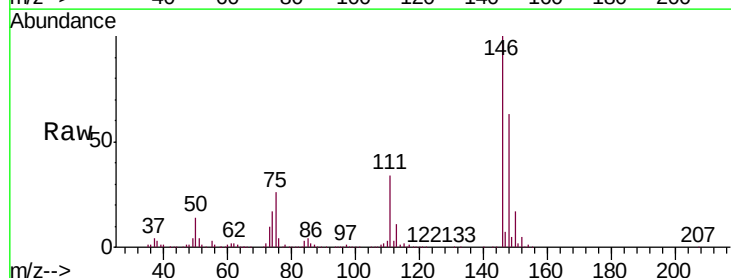
Tgt Ion:146 Resp: 522744

Ion Ratio Lower Upper

146 100

111 33.7 25.4 47.2

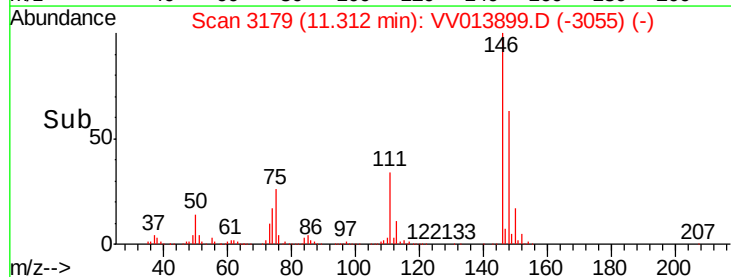
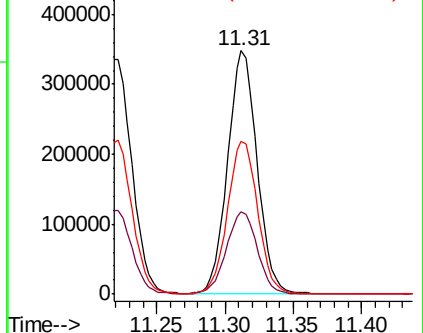
148 63.0 44.9 83.5

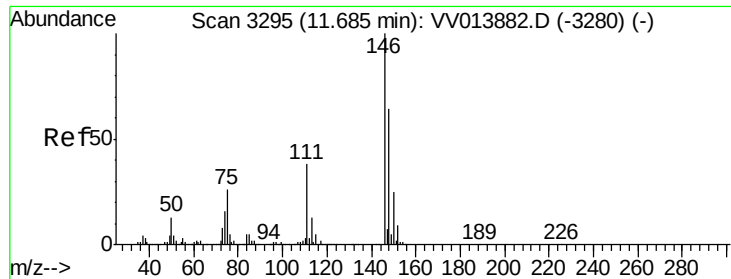


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.664 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

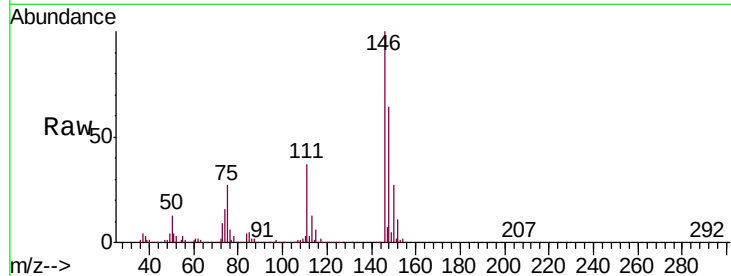
Tgt Ion:146 Resp: 514347

Ion Ratio Lower Upper

146 100

111 37.4 31.4 47.0

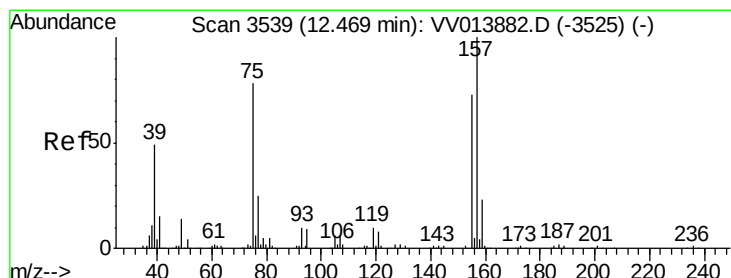
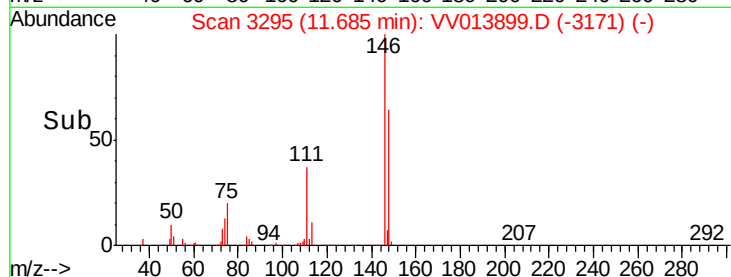
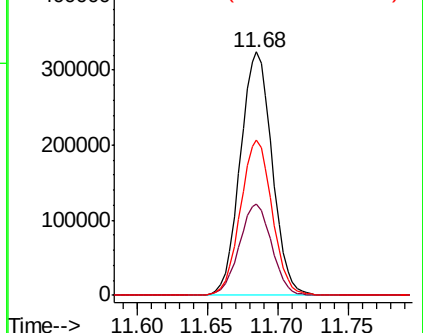
148 63.8 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.929 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

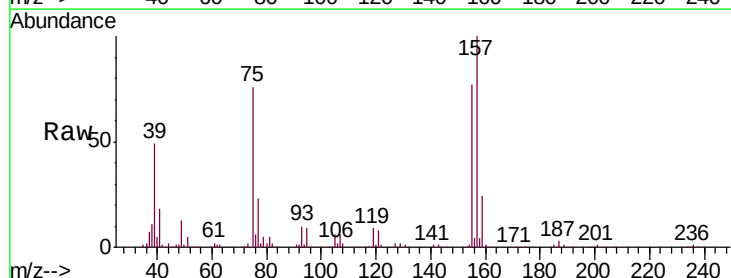
Tgt Ion: 75 Resp: 73419

Ion Ratio Lower Upper

75 100

155 101.2 78.6 117.8

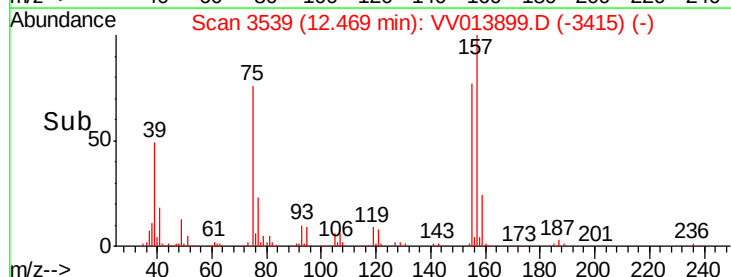
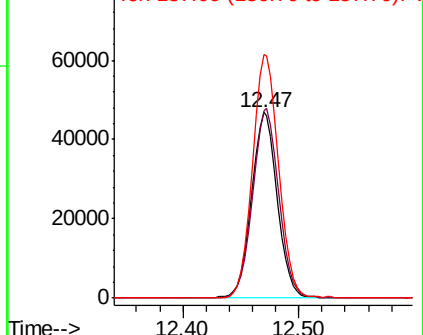
157 131.2 102.6 153.8

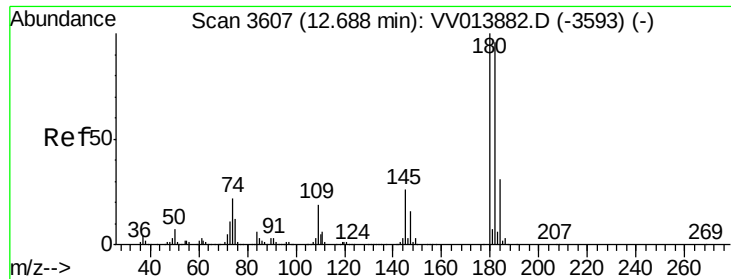


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

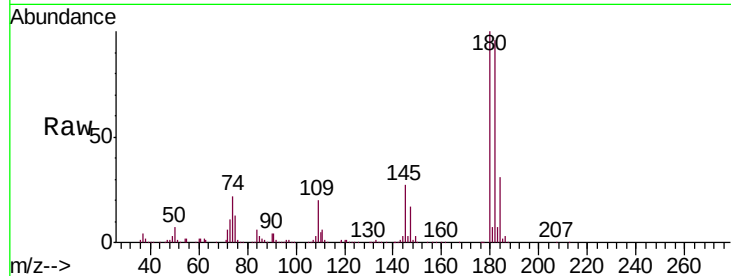




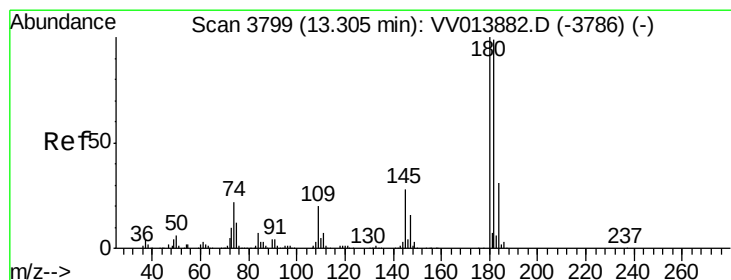
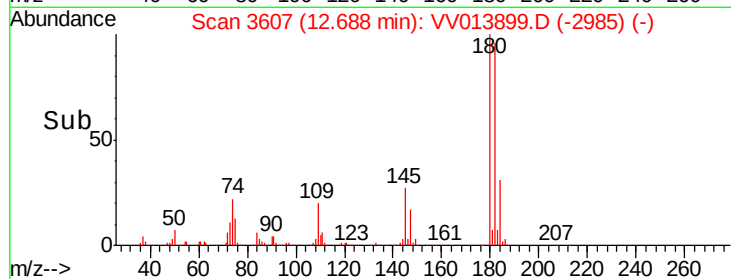
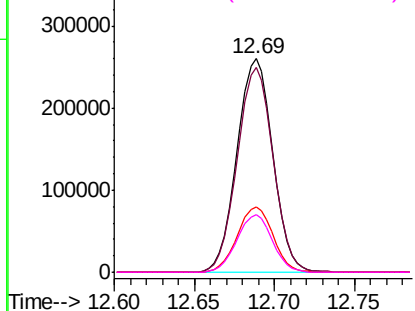
#67
 1,3,5-Trichlorobenzene
 Concen: 44.275 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tgt Ion:	180	Resp:	396190
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
184	30.6	24.2	36.4
145	26.7	21.1	31.7

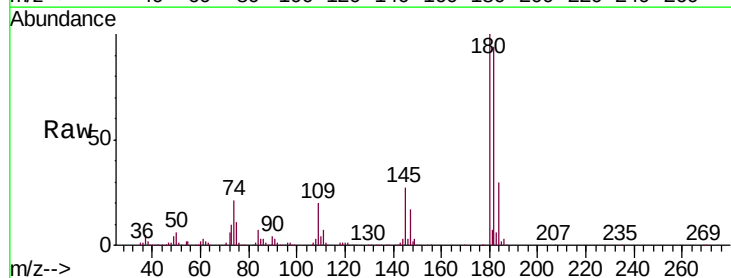


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

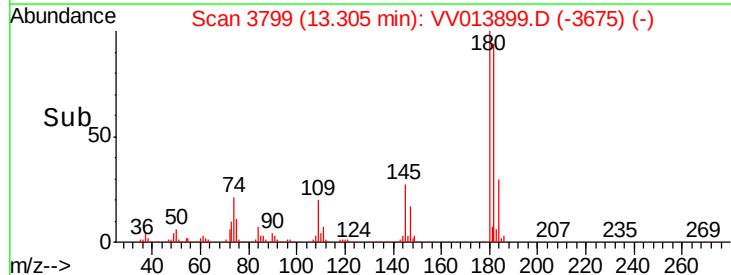
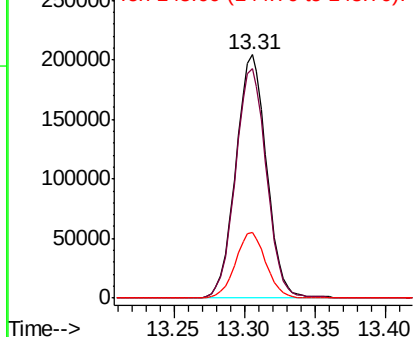


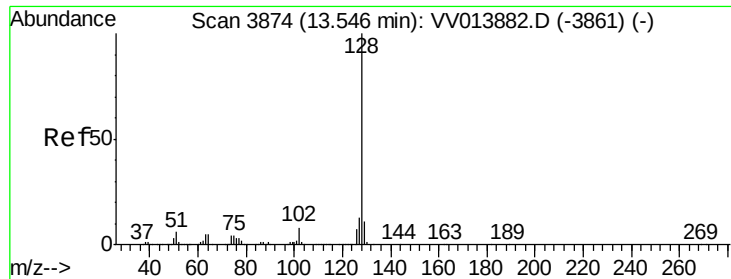
#68
 1,2,4-trichlorobenzene
 Concen: 38.760 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013899.D
 Acq: 03 Dec 2019 19:05

Tgt Ion:	180	Resp:	312953
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	26.6	21.9	32.9



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: 30.837 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

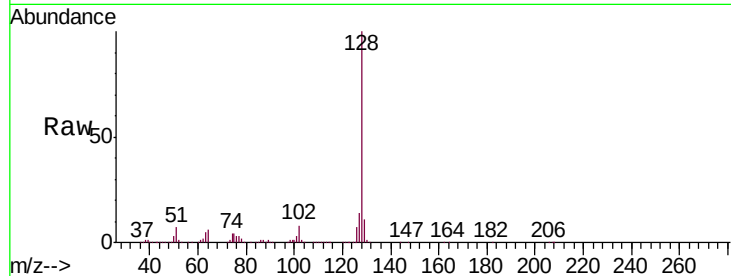
Tgt Ion:128 Resp: 653744

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

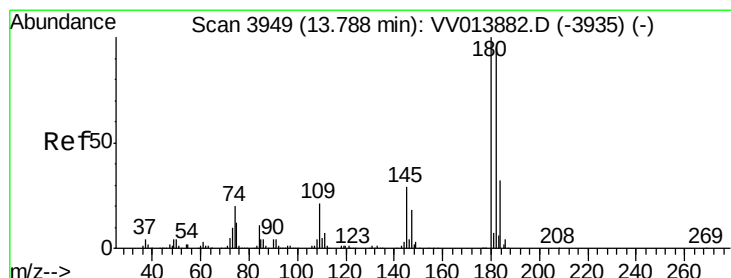
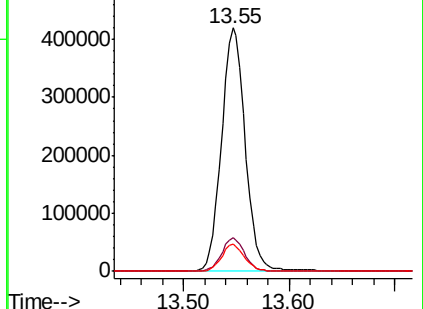
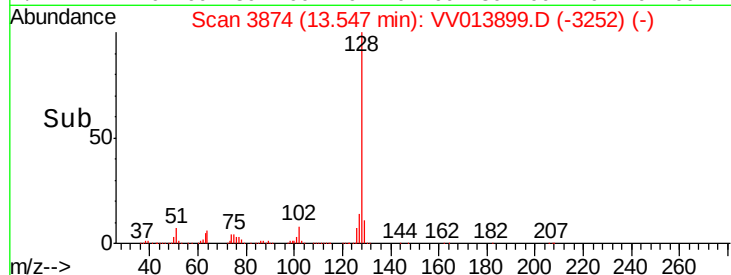
129 10.8 8.6 12.8



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: 38.881 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013899.D

Acq: 03 Dec 2019 19:05

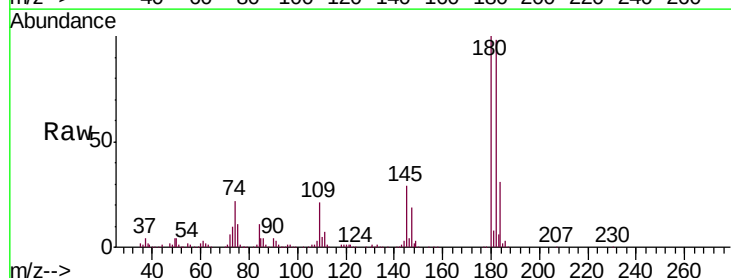
Tgt Ion:180 Resp: 328301

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.4

145 28.9 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

