

Data File : VV011062.D
Acq On : 28 May 2019 13:08
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV89

Quant Time: May 29 02:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis
QLast Update : Tue May 28 13:06:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	509533	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	494579	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	150015	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.88%
7) Chloroethane-d5	1.56	69	108688	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
10) 1,1-Dichloroethene-d2	2.12	63	282387	21.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.92%
20) 2-Butanone-d5	3.93	46	119709	49.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.44%
24) Chloroform-d	4.40	84	304168	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	5.08	65	182785	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	5.09	84	642461	22.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.76%
33) 1,2-Dichloropropane-d6	6.11	67	207510	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.08%
37) Toluene-d8	7.36	98	604622	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	7.66	79	94661	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.20%
39) 2-Hexanone-d5	8.13	63	89287	44.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	180761	22.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	214649	23.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	195278	23.503	ug/L	99
3) Chloromethane	1.25	50	205769	25.107	ug/L	99
5) Vinyl chloride	1.32	62	181207	23.957	ug/L	99
6) Bromomethane	1.51	94	80298	24.633	ug/L	97
8) Chloroethane	1.58	64	98820	24.084	ug/L	100
9) Trichlorofluoromethane	1.76	101	234341	23.130	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	119006	21.889	ug/L	99
12) 1,1-Dichloroethene	2.13	96	115021	22.484	ug/L	92
13) Acetone	2.19	43	119086	43.659	ug/L	98
14) Carbon disulfide	2.31	76	399498	23.345	ug/L	100
15) Methyl Acetate	2.46	43	87858	22.316	ug/L #	100
16) Methylene chloride	2.53	84	173592	23.303	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	452333	23.605	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	163630	23.384	ug/L	99
19) 1,1-Dichloroethane	3.22	63	320069	23.527	ug/L	99
21) 2-Butanone	4.02	43	165188	49.177	ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	183292	23.255	ug/L	99

Data File : VV011062.D
Acq On : 28 May 2019 13:08
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV89

Quant Time: May 29 02:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis
QLast Update : Tue May 28 13:06:16 2019
Response via : Initial Calibration

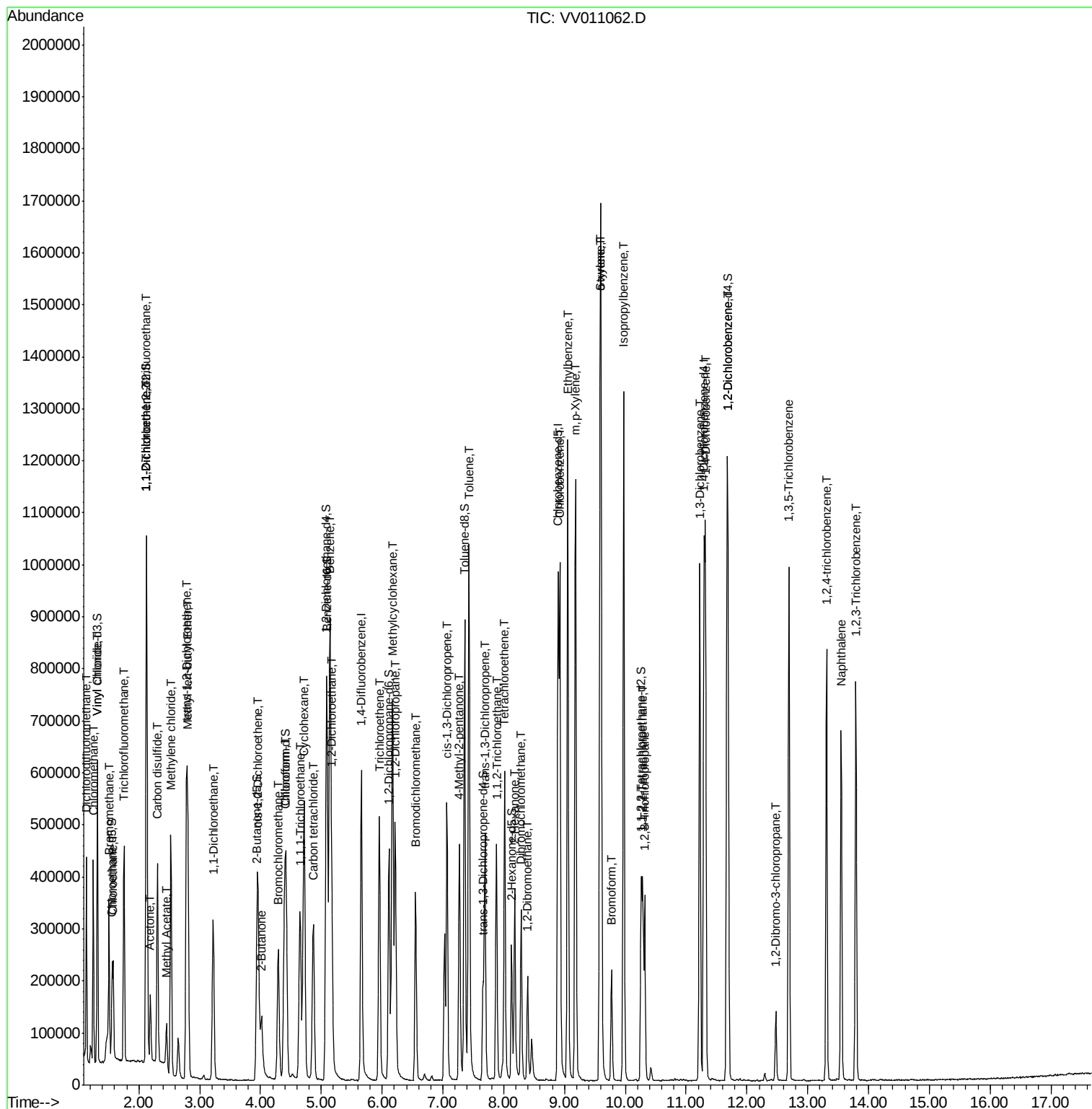
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	79284	23.747	ug/L	98
25) Chloroform	4.42	83	319730	22.256	ug/L	99
27) 1,2-Dichloroethane	5.17	62	230574	24.634	ug/L	97
30) Cyclohexane	4.72	56	309336	21.593	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	254720	22.620	ug/L	99
32) Carbon tetrachloride	4.87	117	214804	22.272	ug/L	100
34) Benzene	5.14	78	686248	22.946	ug/L	100
35) Trichloroethene	5.96	95	178779	22.888	ug/L	96
36) Methylcyclohexane	6.17	83	293611	21.785	ug/L	99
40) 1,2-Dichloropropane	6.22	63	188813	23.690	ug/L	100
41) Bromodichloromethane	6.55	83	240460	23.798	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	297117	23.332	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	313776	44.890	ug/L	99
44) Toluene	7.43	91	751989	23.126	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	249485	22.959	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	135367	22.916	ug/L	98
47) Tetrachloroethene	8.02	164	128238	22.764	ug/L	97
49) 2-Hexanone	8.18	43	241714	46.890	ug/L	97
50) Dibromochloromethane	8.29	129	160854	23.502	ug/L	100
51) 1,2-Dibromoethane	8.39	107	131608	23.282	ug/L	98
52) Chlorobenzene	8.92	112	475187	23.580	ug/L	98
53) Ethylbenzene	9.05	91	860467	23.212	ug/L	100
54) m,p-Xylene	9.18	106	322384	23.347	ug/L	100
55) o-xylene	9.59	106	317831	23.688	ug/L	97
56) Styrene	9.60	104	545102	23.960	ug/L	98
57) Isopropylbenzene	9.97	105	829554	23.166	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	182114	23.402	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	138926	23.360	ug/L	99
62) Bromoform	9.78	173	88645	22.570	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	367142	23.902	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	360811	23.605	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	343862	23.957	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	34140	23.301	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	271111	23.999	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	226278	25.178	ug/L	98
69) Naphthalene	13.55	128	489576	26.408	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	210488	25.594	ug/L	99

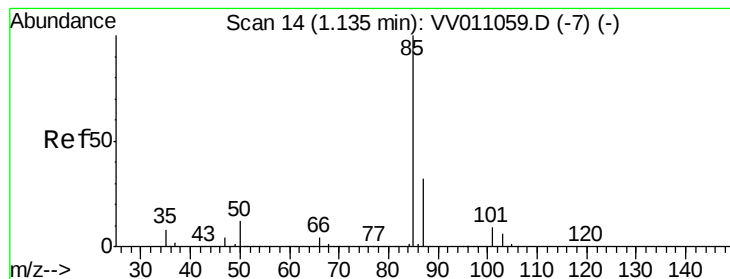
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011062.D
Acq On : 28 May 2019 13:08
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV89

Quant Time: May 29 02:12:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis
QLast Update : Tue May 28 13:06:16 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.503 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

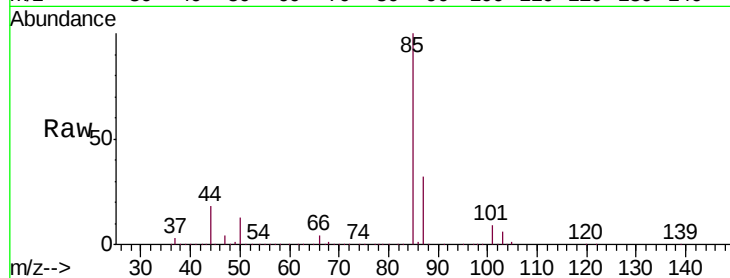
VICV89

Tgt Ion: 85 Resp: 195278

Ion Ratio Lower Upper

85 100

87 31.9 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV011059.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011059.D (-7) (-)

1.14

250000

200000

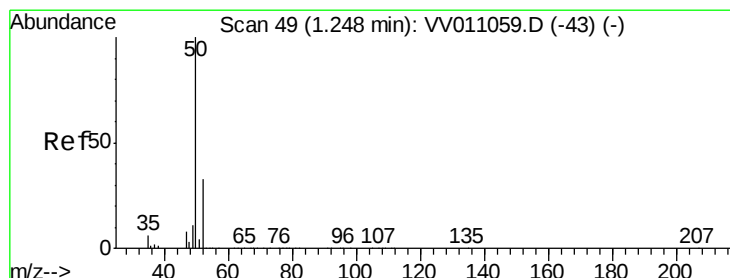
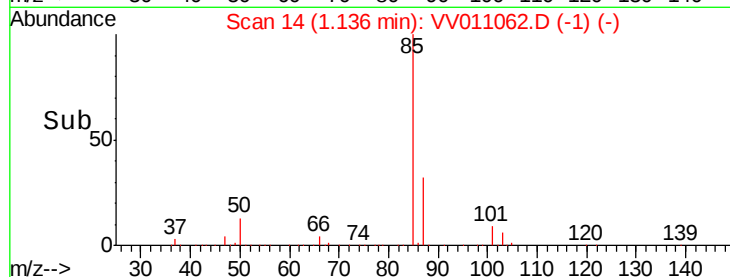
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 25.107 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011062.D

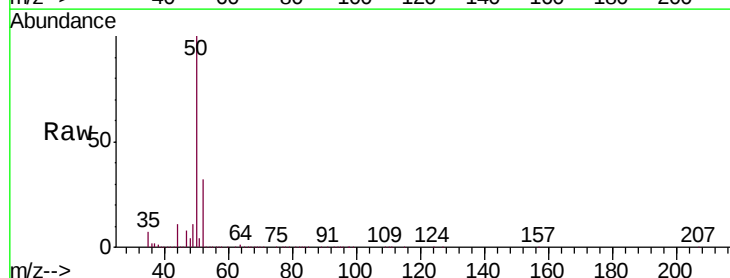
Acq: 28 May 2019 13:08

Tgt Ion: 50 Resp: 205769

Ion Ratio Lower Upper

50 100

52 32.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV011059.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV011059.D (-43) (-)

1.25

250000

200000

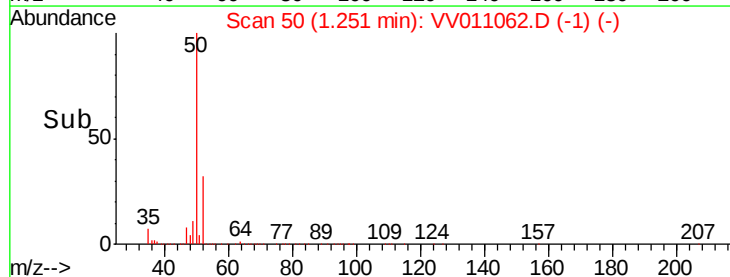
150000

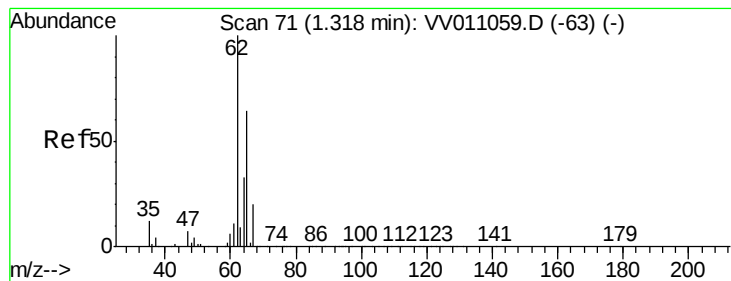
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 23.957 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

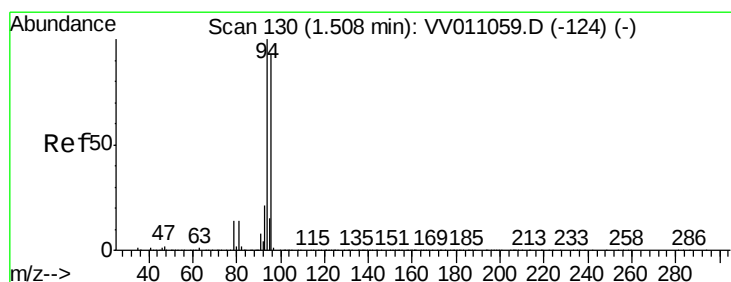
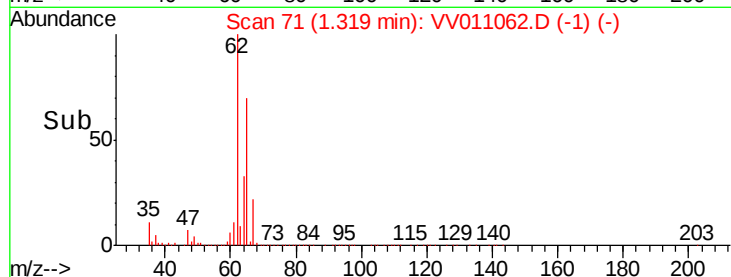
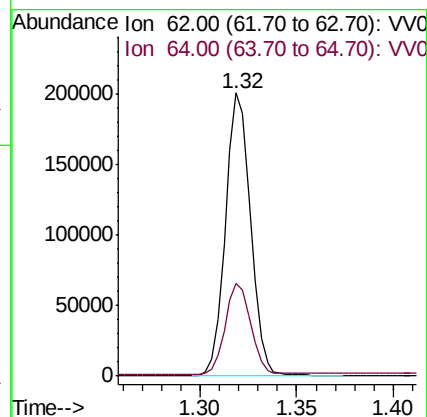
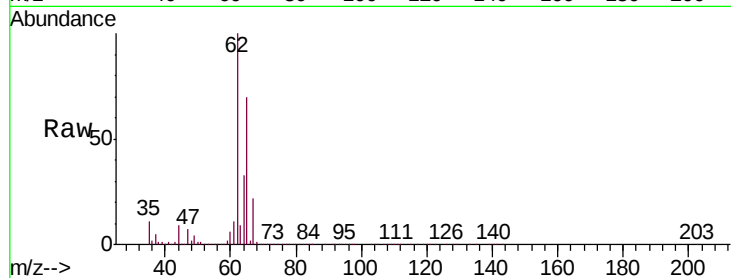
VICV89

Tgt Ion: 62 Resp: 181207

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 24.633 ug/L

RT: 1.51 min Scan# 130

Delta R.T. 0.00 min

Lab File: VV011062.D

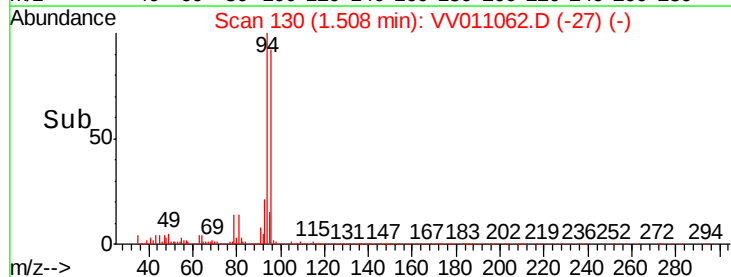
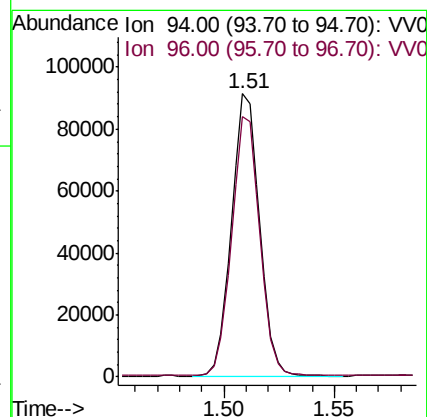
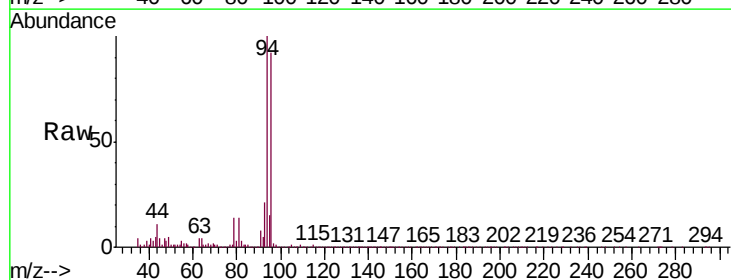
Acq: 28 May 2019 13:08

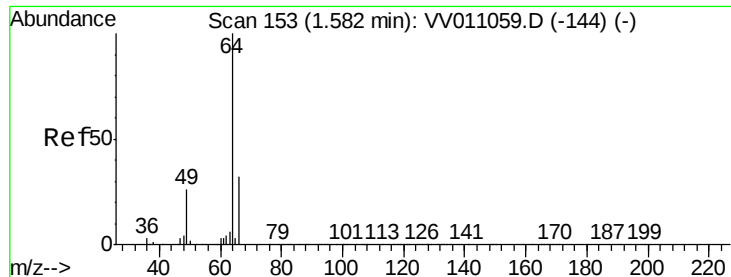
Tgt Ion: 94 Resp: 80298

Ion Ratio Lower Upper

94 100

96 91.7 9.5 179.7





#8

Chloroethane

Concen: 24.084 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

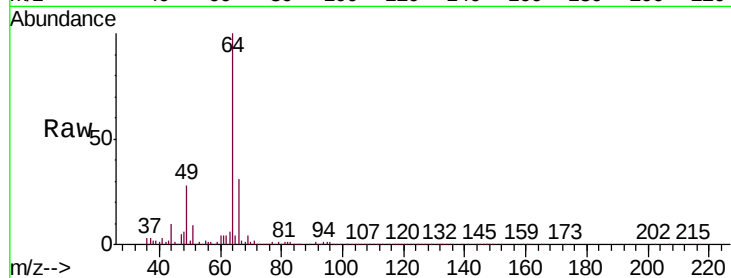
VICV89

Tgt Ion: 64 Resp: 98820

Ion Ratio Lower Upper

64 100

66 30.8 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.58

100000

80000

60000

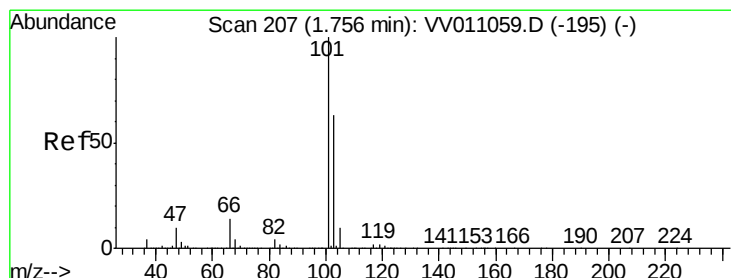
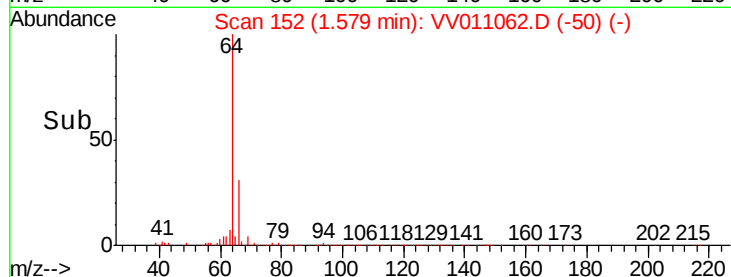
40000

20000

0

Time-->

1.55 1.60



#9

Trichlorofluoromethane

Concen: 23.130 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV011062.D

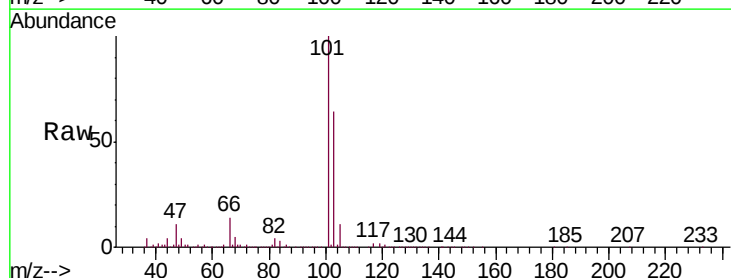
Acq: 28 May 2019 13:08

Tgt Ion: 101 Resp: 234341

Ion Ratio Lower Upper

101 100

103 63.7 44.4 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.76

200000

150000

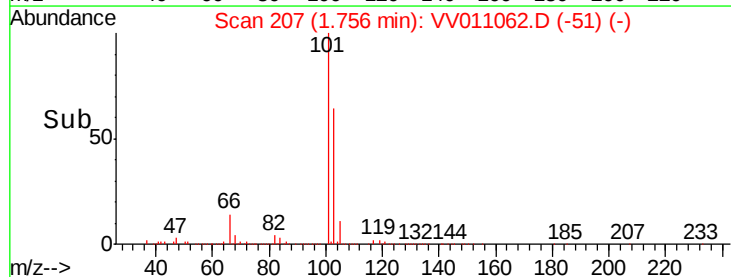
100000

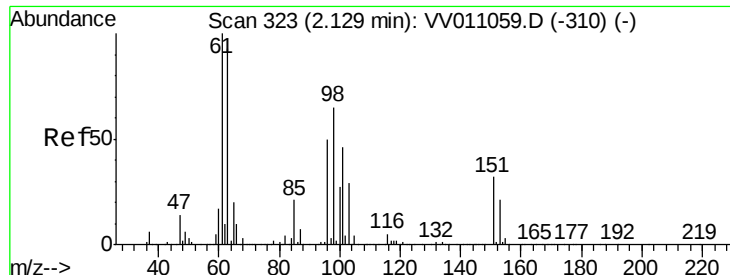
50000

0

Time-->

1.70 1.75 1.80 1.85





#11

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

Concen: 21.889 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

VICV89

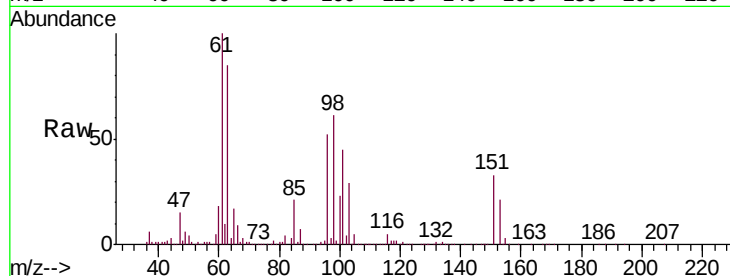
Tgt Ion: 101 Resp: 119006

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

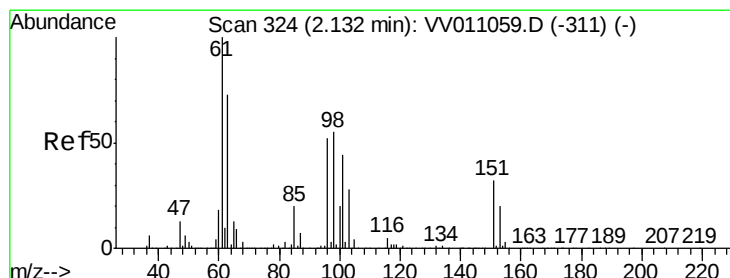
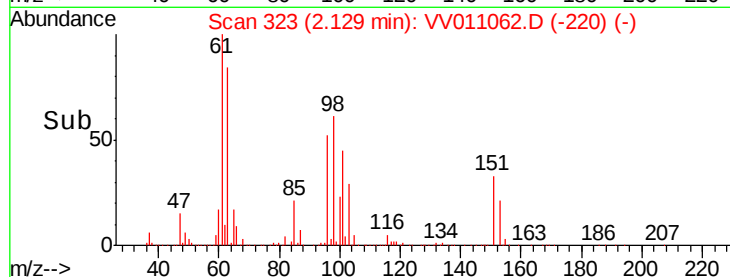
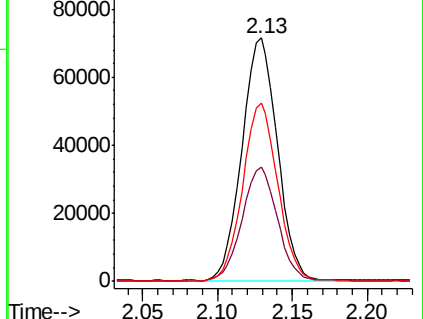
151 72.3 56.6 85.0



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: 22.484 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

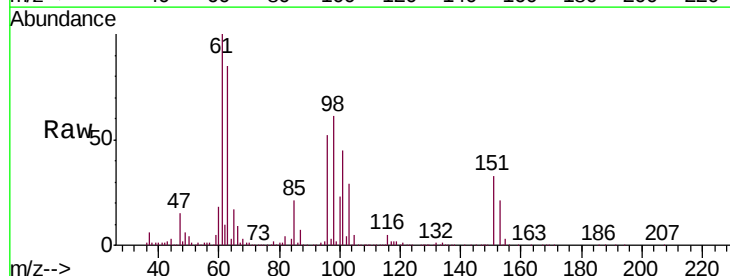
Tgt Ion: 96 Resp: 115021

Ion Ratio Lower Upper

96 100

61 192.0 134.1 249.1

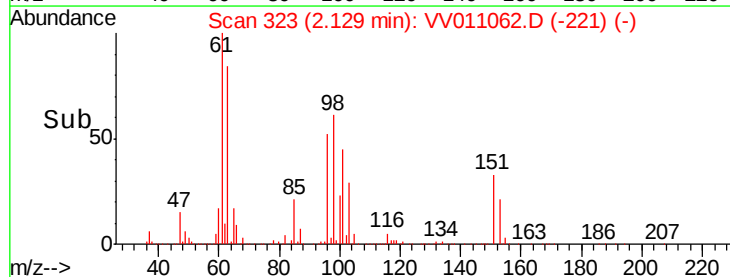
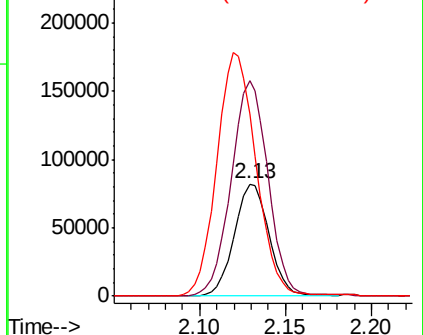
63 162.4 98.1 182.3

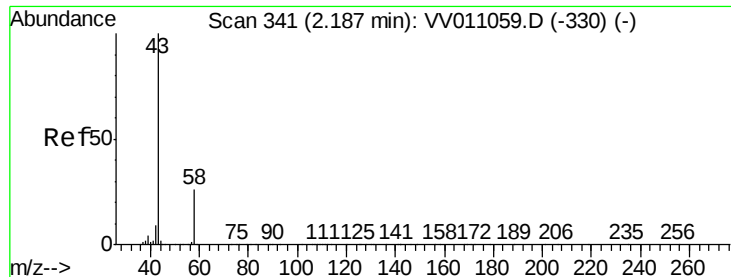


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.659 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

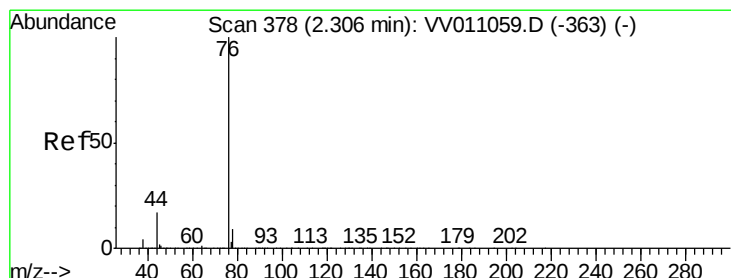
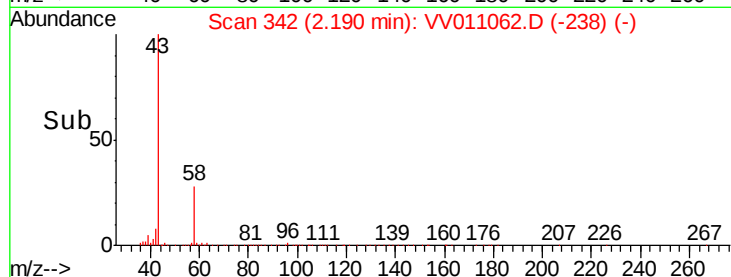
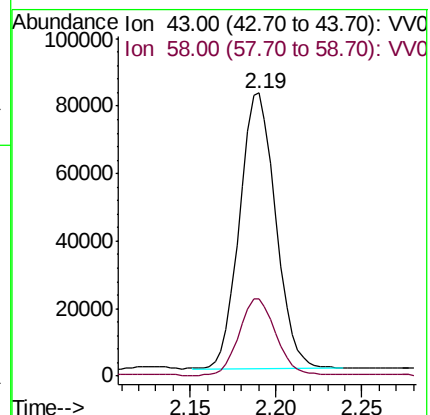
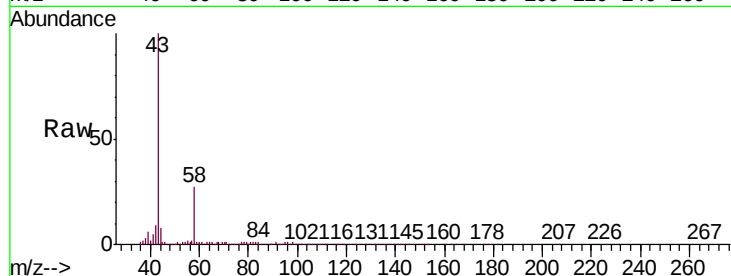
VICV89

Tgt Ion: 43 Resp: 119086

Ion Ratio Lower Upper

43 100

58 28.2 0.0 54.8



#14

Carbon disulfide

Concen: 23.345 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV011062.D

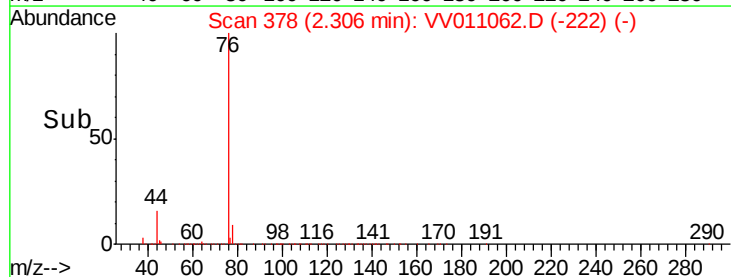
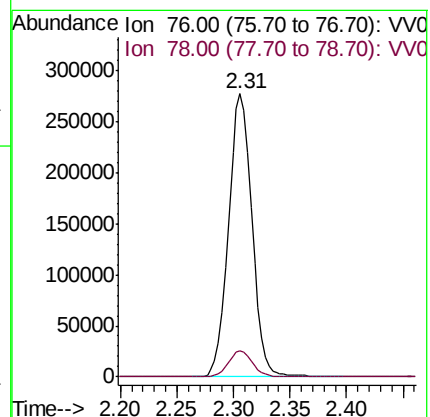
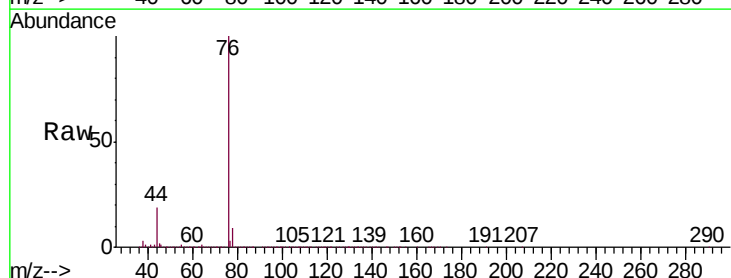
Acq: 28 May 2019 13:08

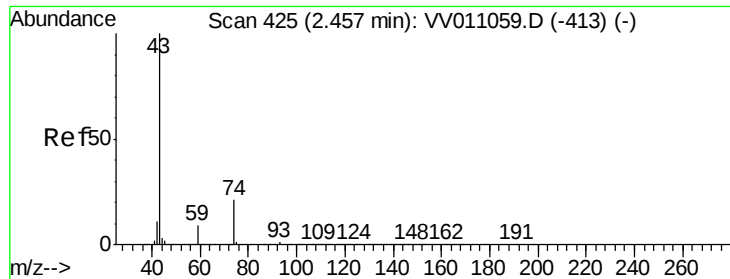
Tgt Ion: 76 Resp: 399498

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

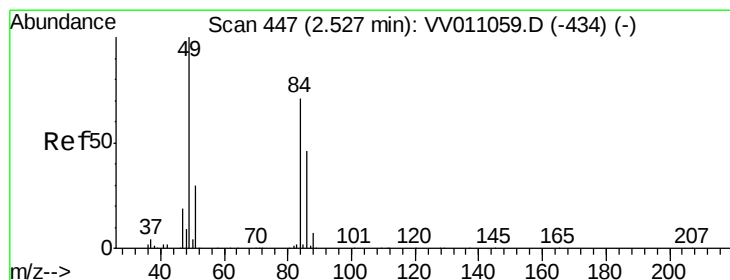
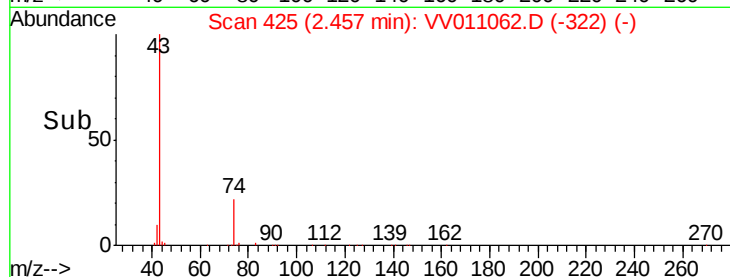
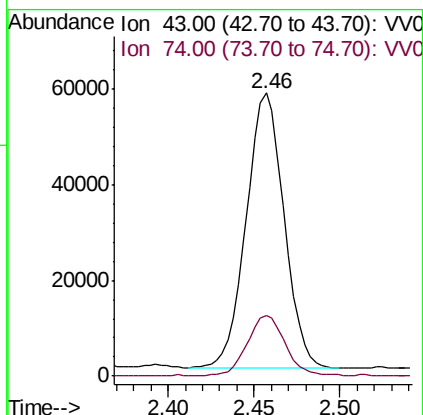
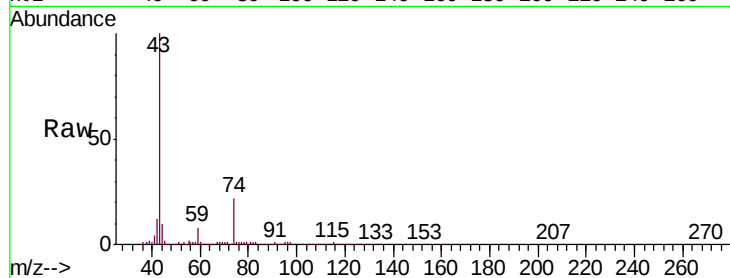




#15
Methyl Acetate
Concen: 22.316 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

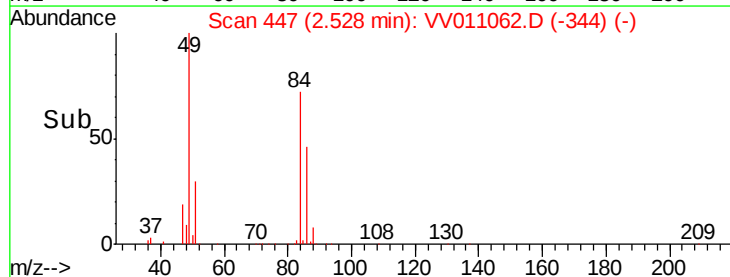
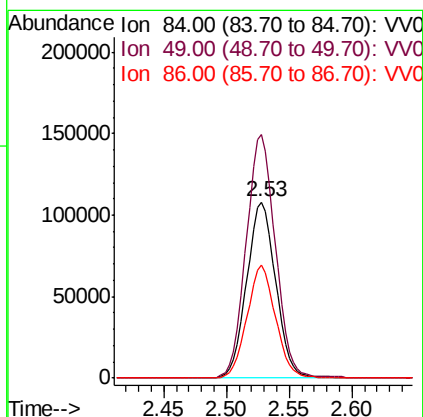
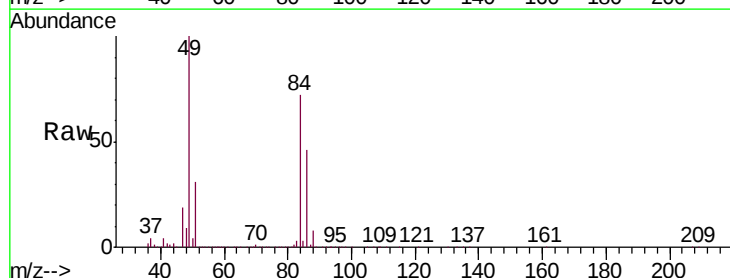
Instrument :
MSVOA_V
ClientSampleId :
VICV89

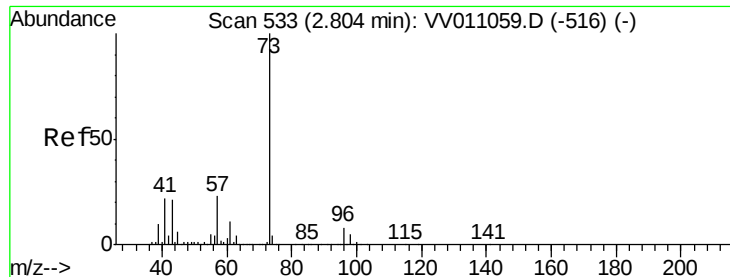
Tgt Ion: 43 Resp: 87858
Ion Ratio Lower Upper
43 100
74 22.5 0.0 0.0#



#16
Methylene chloride
Concen: 23.303 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Tgt Ion: 84 Resp: 173592
Ion Ratio Lower Upper
84 100
49 138.3 98.0 182.0
86 63.9 45.4 84.4

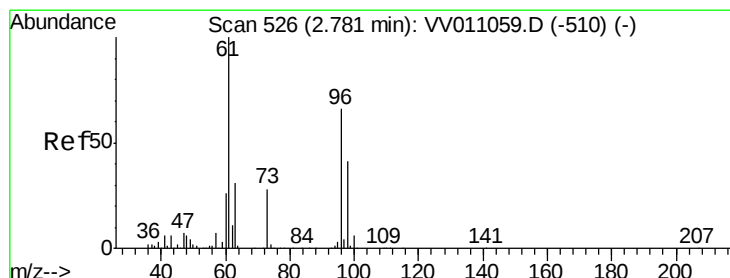
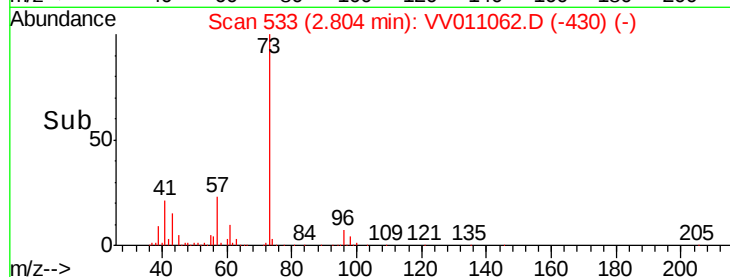
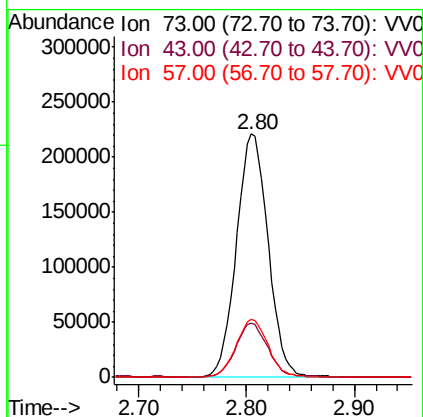
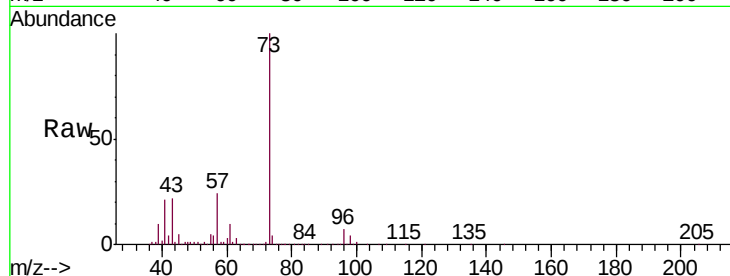




#17
Methyl tert-butyl Ether
Concen: 23.605 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

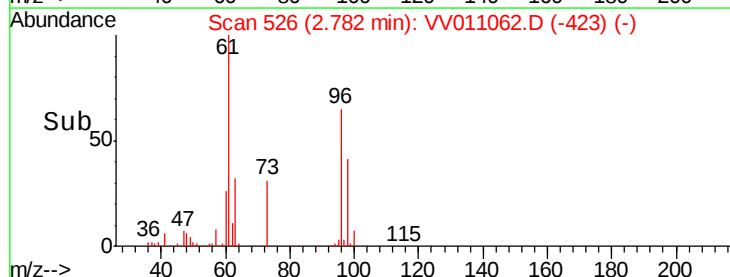
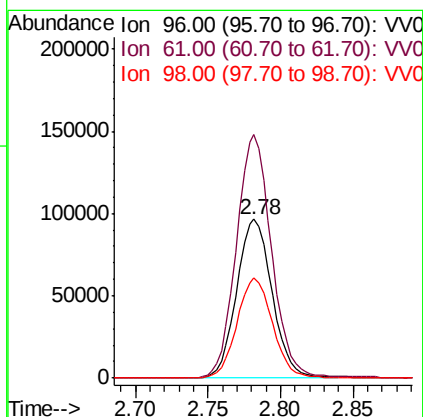
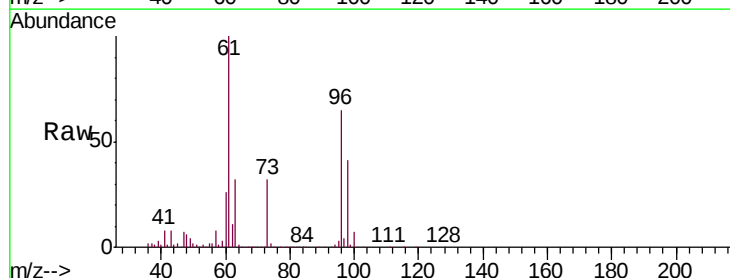
Instrument :
MSVOA_V
ClientSampleId :
VICV89

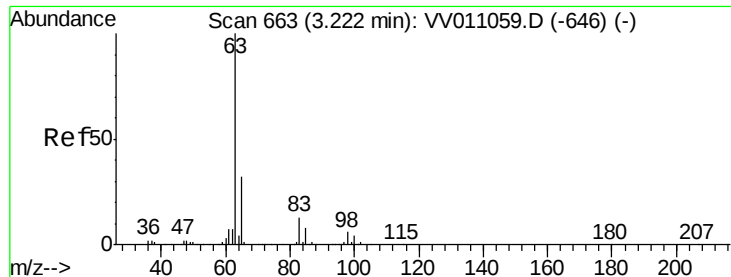
Tgt Ion: 73 Resp: 452333
Ion Ratio Lower Upper
73 100
43 22.0 17.2 25.8
57 23.7 18.5 27.7



#18
trans-1,2-Dichloroethene
Concen: 23.384 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Tgt Ion: 96 Resp: 163630
Ion Ratio Lower Upper
96 100
61 153.5 106.5 197.9
98 62.9 44.0 81.8

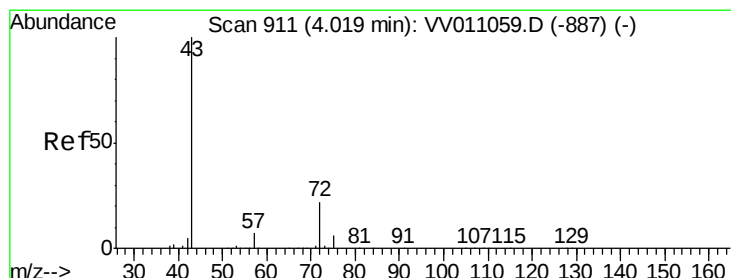
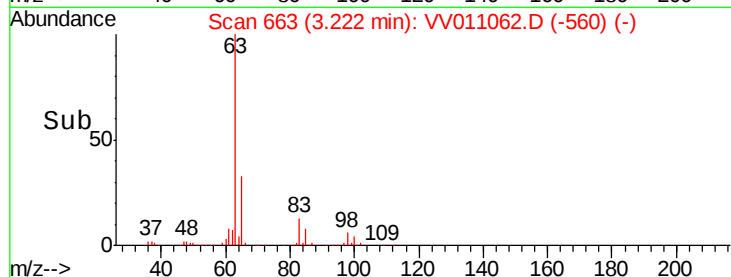
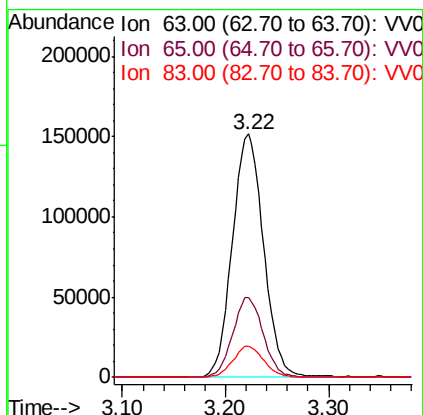
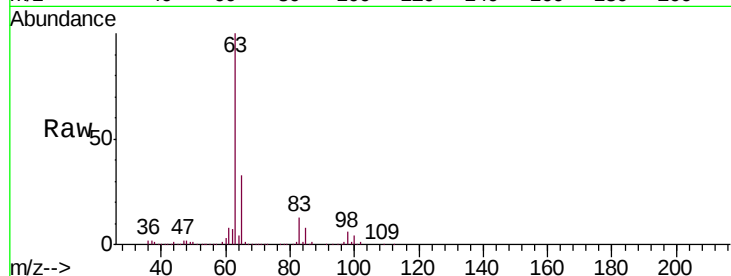




#19
 1,1-Dichloroethane
 Concen: 23.527 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

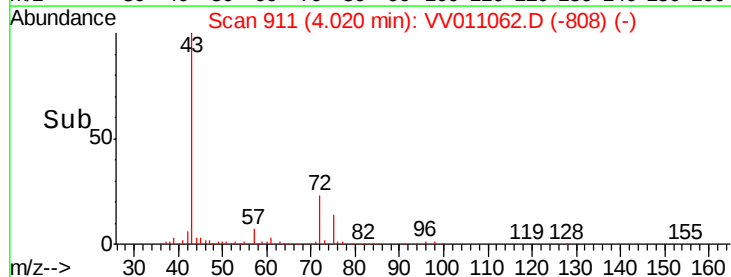
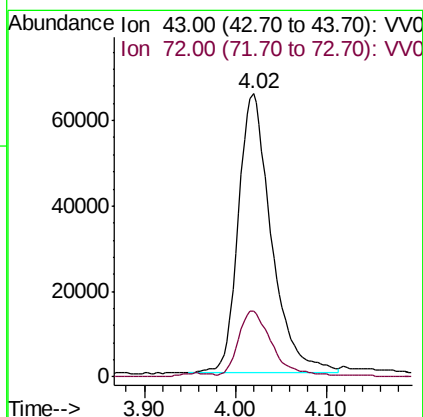
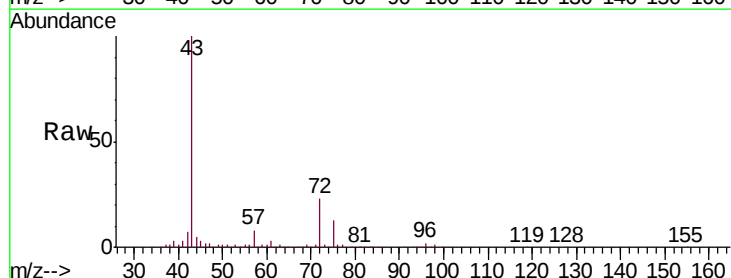
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV89

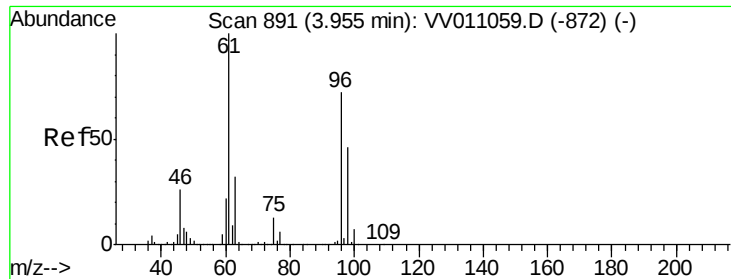
Tgt Ion: 63 Resp: 320069
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.4 41.6
 83 12.7 9.2 17.2



#21
 2-Butanone
 Concen: 49.177 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

Tgt Ion: 43 Resp: 165188
 Ion Ratio Lower Upper
 43 100
 72 22.5 10.7 31.9



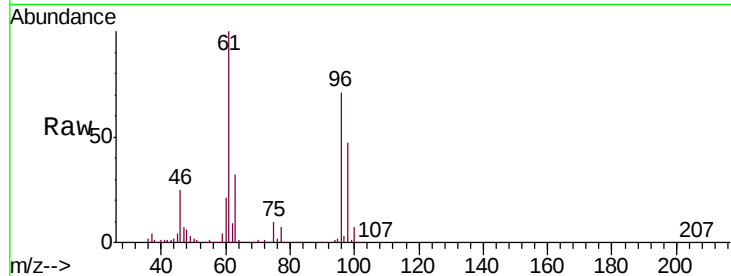


#22

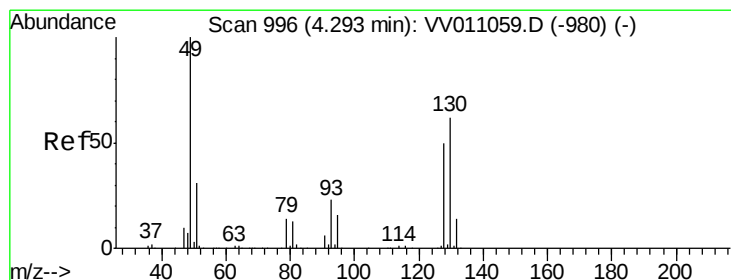
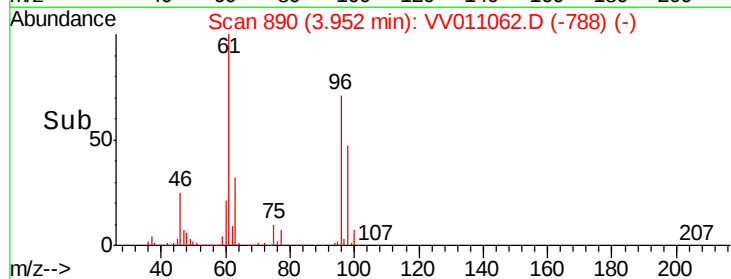
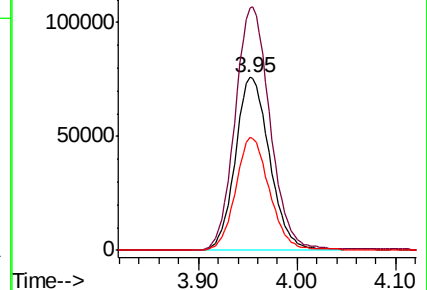
cis-1,2-Dichloroethene
Concen: 23.255 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Instrument :
MSVOA_V
ClientSampled :
VICV89

Tgt Ion: 96 Resp: 183292
Ion Ratio Lower Upper
96 100
61 140.0 97.4 180.8
98 65.3 44.4 82.5



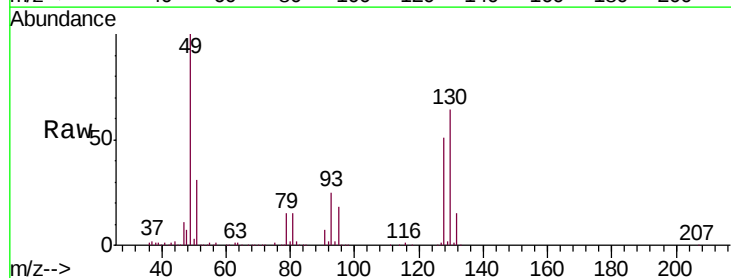
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



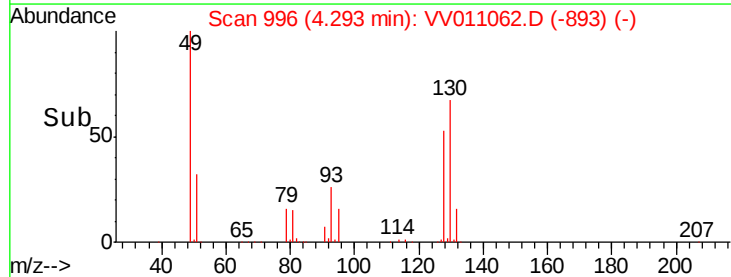
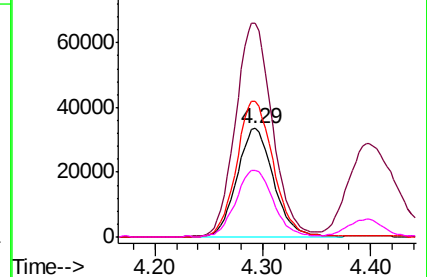
#23

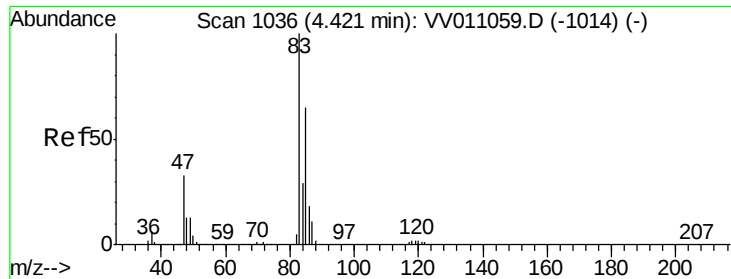
Bromochloromethane
Concen: 23.747 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Tgt Ion: 128 Resp: 79284
Ion Ratio Lower Upper
128 100
49 196.7 140.6 261.0
130 125.5 87.2 162.0
51 61.6 49.4 74.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 22.256 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampled :

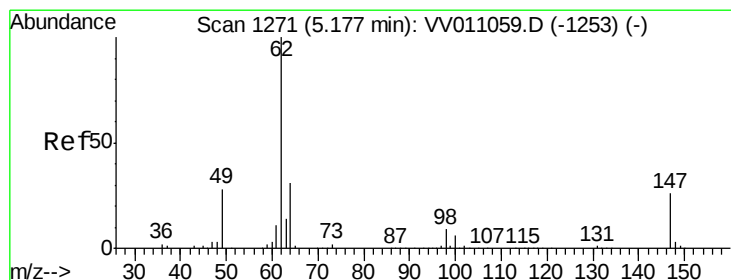
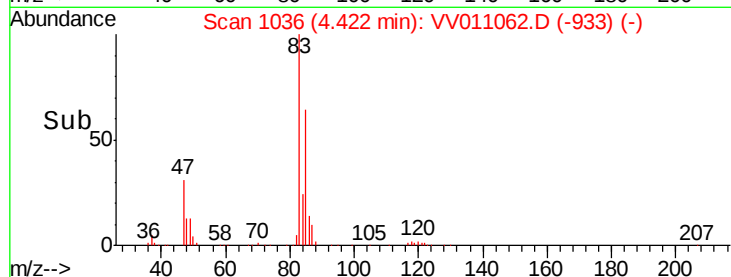
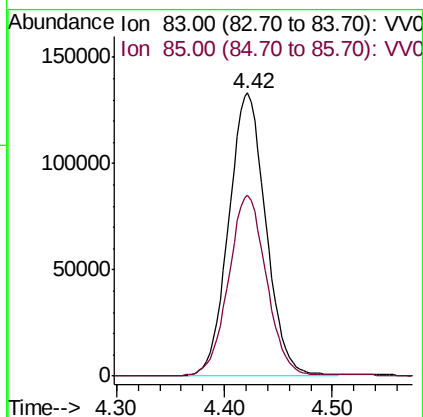
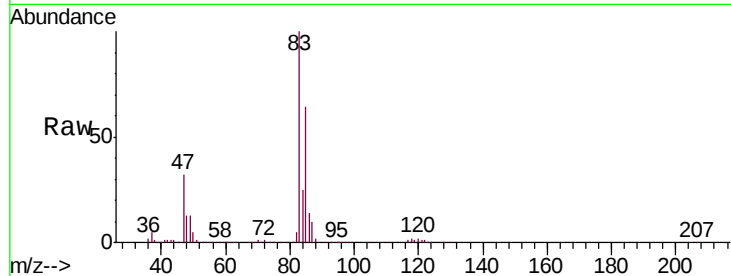
VICV89

Tgt Ion: 83 Resp: 319730

Ion Ratio Lower Upper

83 100

85 65.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 24.634 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV011062.D

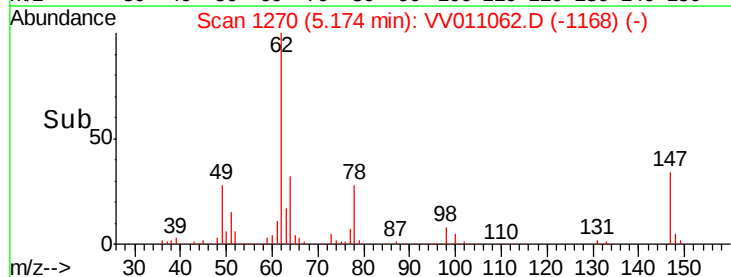
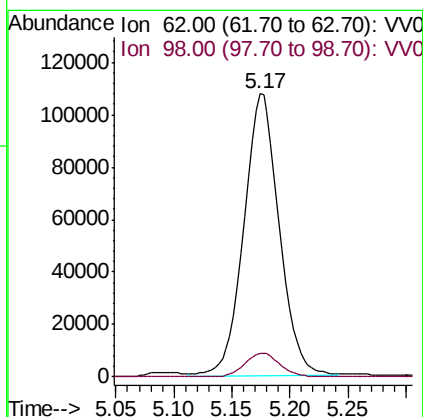
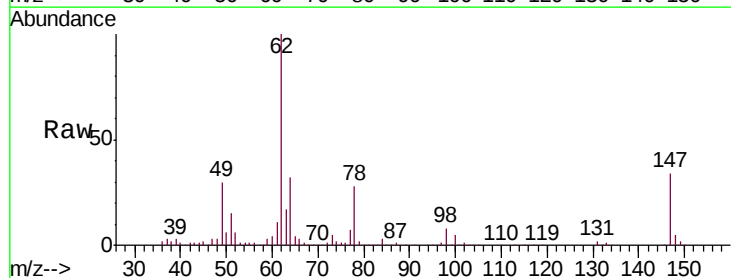
Acq: 28 May 2019 13:08

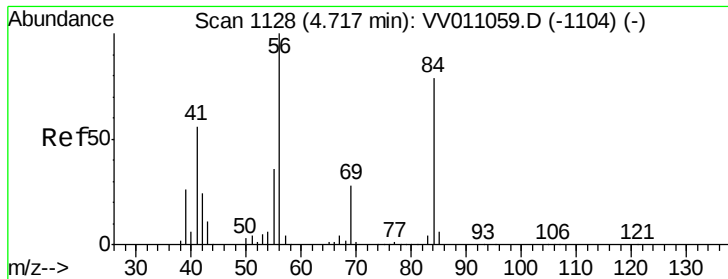
Tgt Ion: 62 Resp: 230574

Ion Ratio Lower Upper

62 100

98 8.2 7.4 11.0

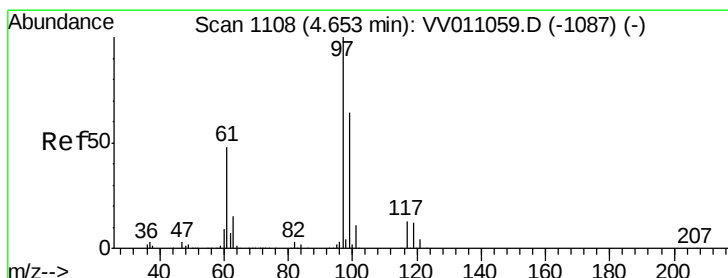
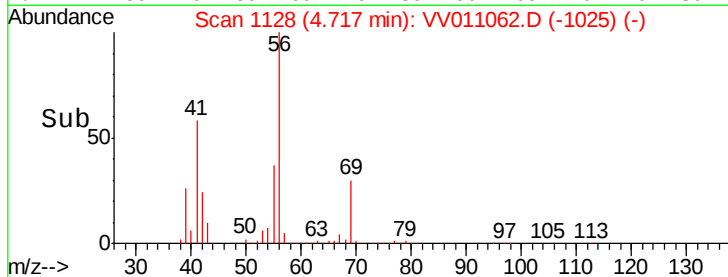
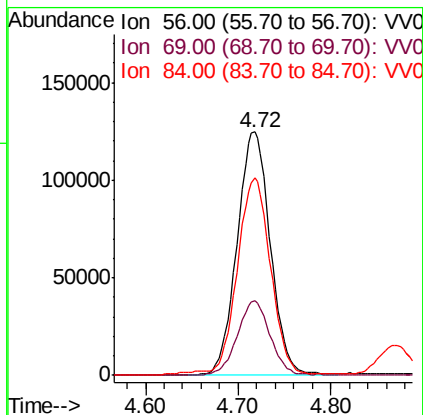
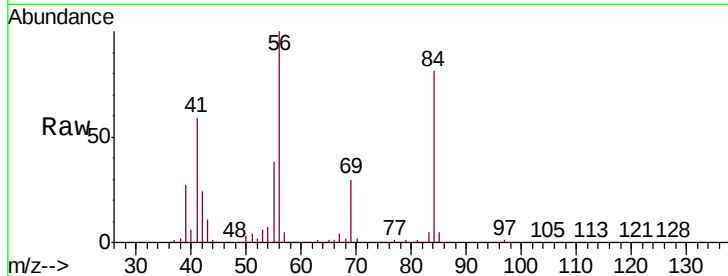




#30
Cyclohexane
Concen: 21.593 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

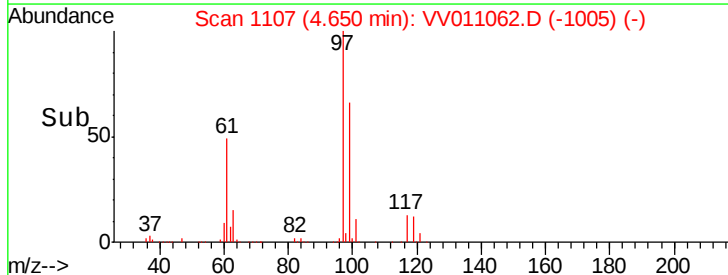
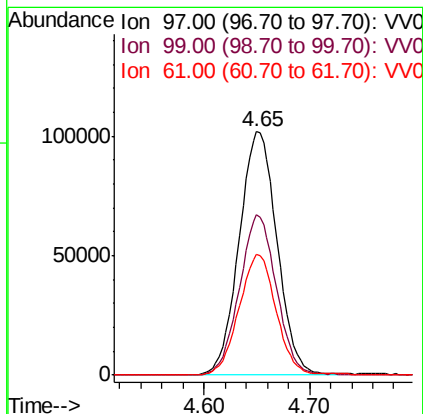
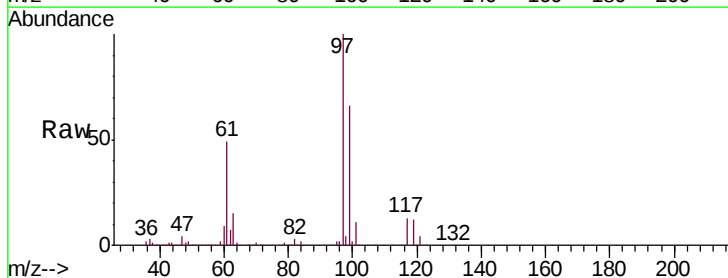
Instrument :
MSVOA_V
ClientSampled :
VICV89

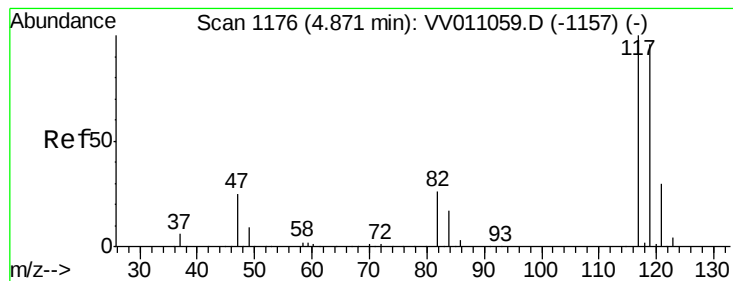
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.2	34.8
84	80.5	63.2	94.8



#31
1,1,1-Trichloroethane
Concen: 22.620 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	48.0	38.2	57.2





#32

Carbon tetrachloride

Concen: 22.272 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampled :

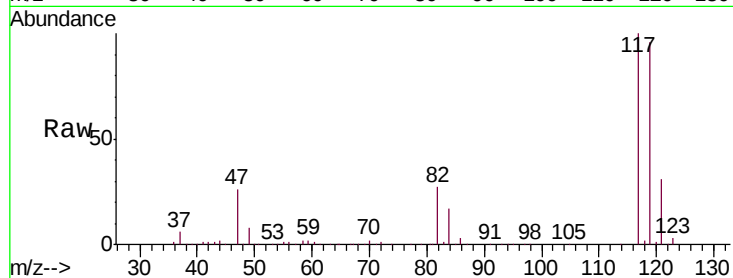
VICV89

Tgt Ion:117 Resp: 214804

Ion Ratio Lower Upper

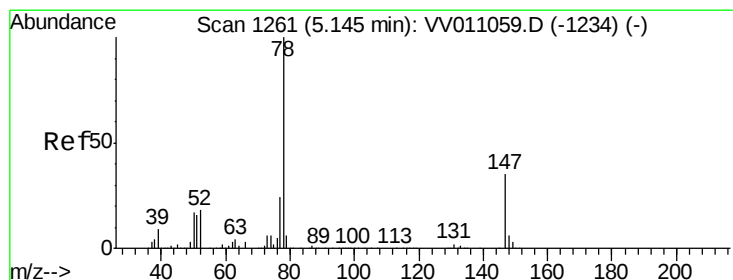
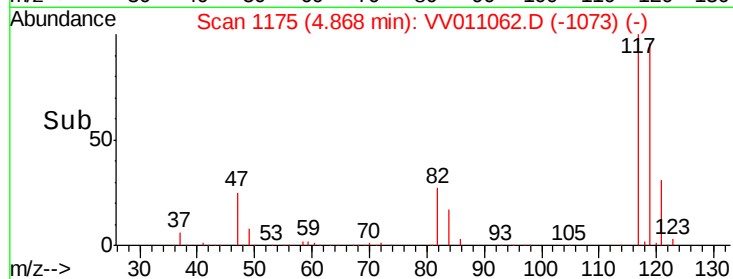
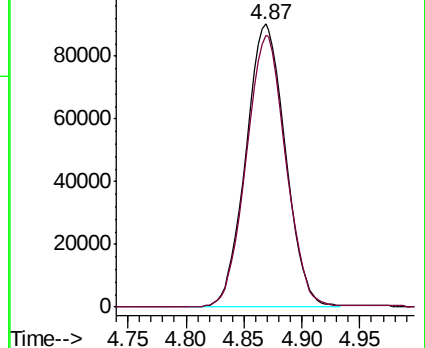
117 100

119 95.8 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.946 ug/L

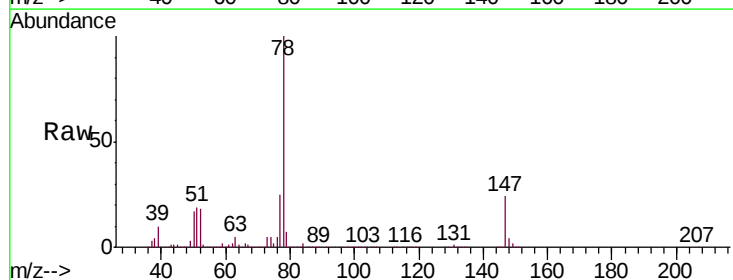
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

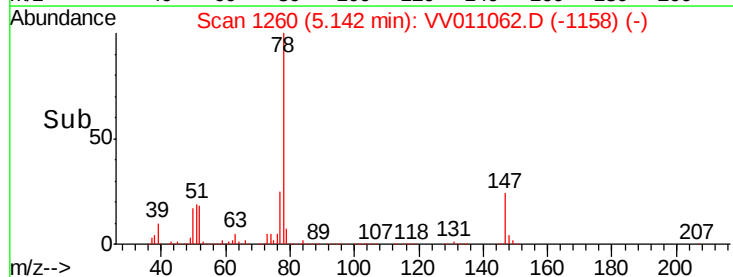
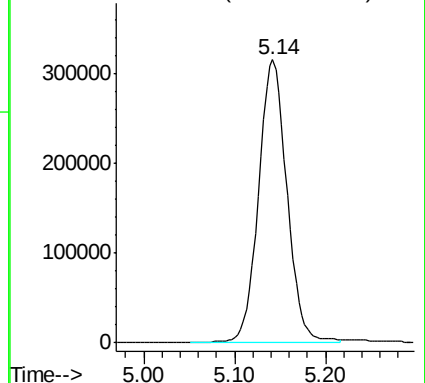
Lab File: VV011062.D

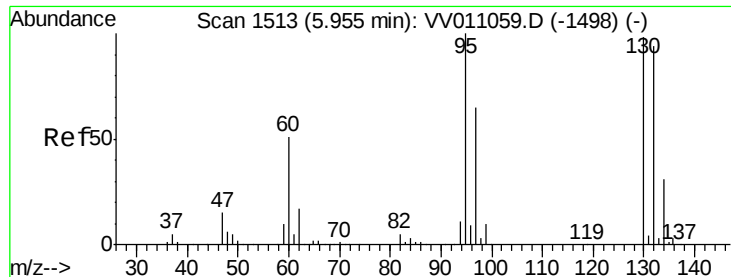
Acq: 28 May 2019 13:08

Tgt Ion: 78 Resp: 686248



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 22.888 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

VICV89

Tgt Ion: 95 Resp: 178779

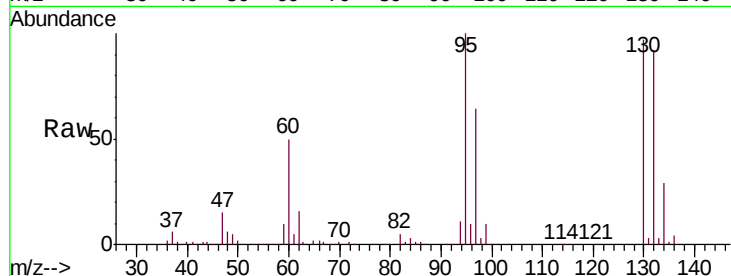
Ion Ratio Lower Upper

95 100

97 62.5 45.4 84.4

132 90.6 66.1 122.8

130 94.4 68.9 127.9

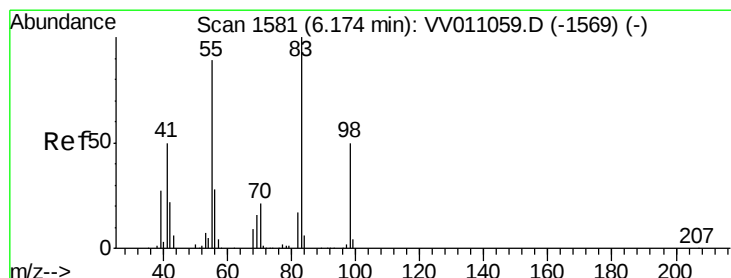
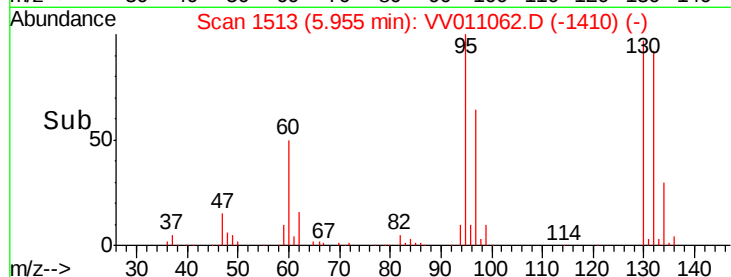
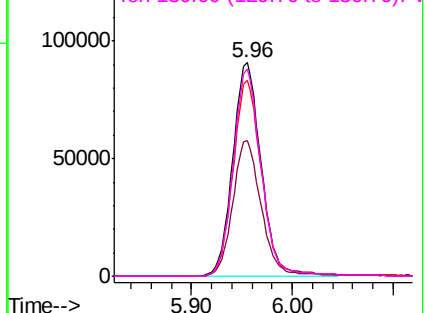


Abundance Ion 95.00 (94.70 to 95.70): VV011059.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV011059.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV011059.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV011059.D (-1498) (-)



#36

Methylcyclohexane

Concen: 21.785 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

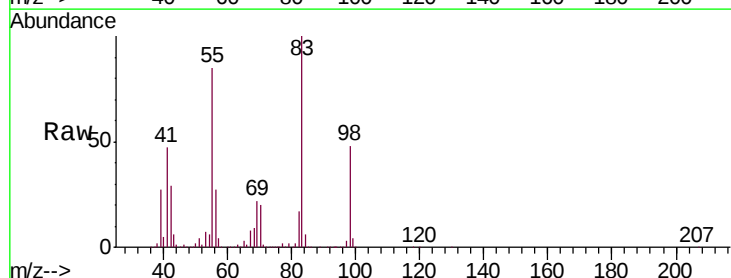
Tgt Ion: 83 Resp: 293611

Ion Ratio Lower Upper

83 100

55 87.0 69.9 104.9

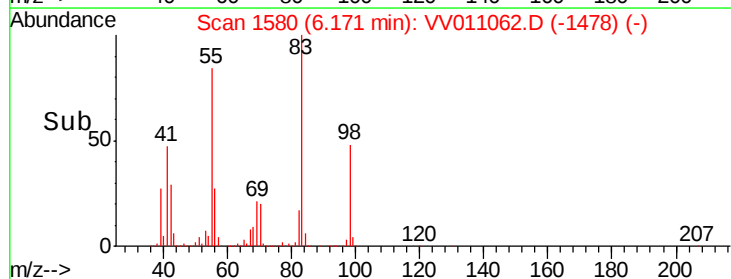
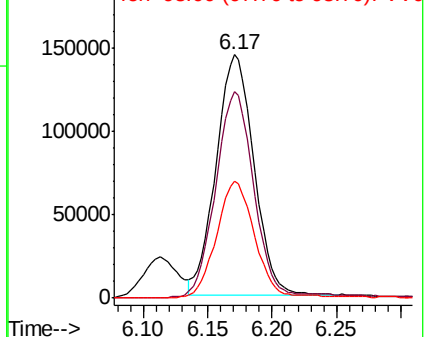
98 48.2 40.0 60.0

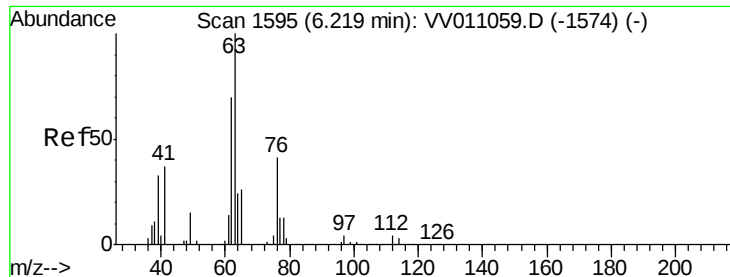


Abundance Ion 83.00 (82.70 to 83.70): VV011059.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV011059.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV011059.D (-1569) (-)

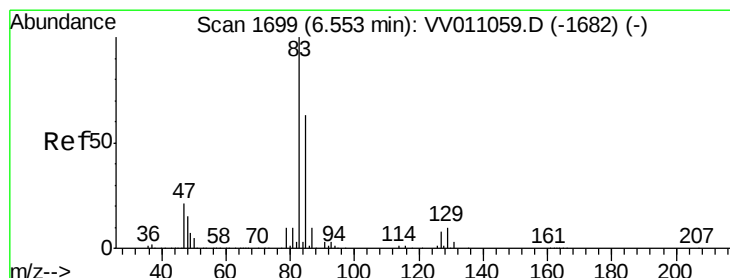
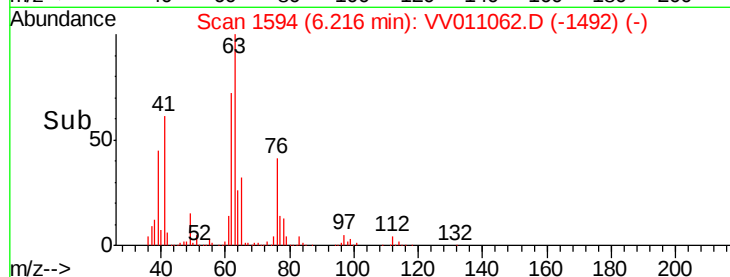
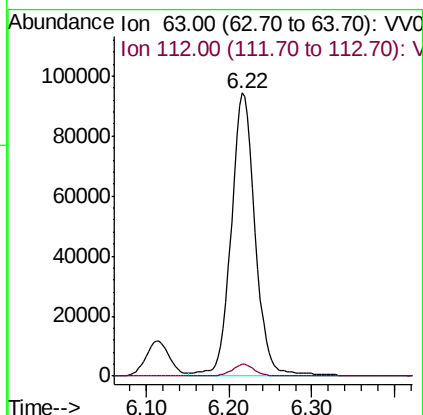
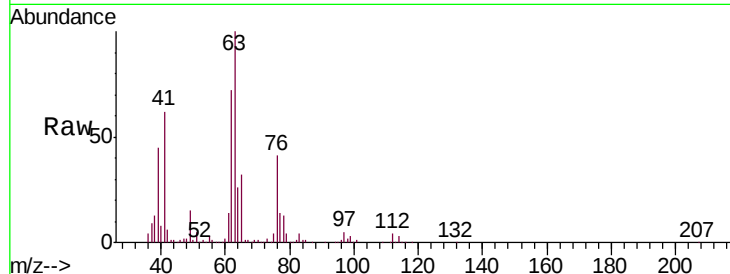




#40
 1,2-Dichloropropane
 Concen: 23.690 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

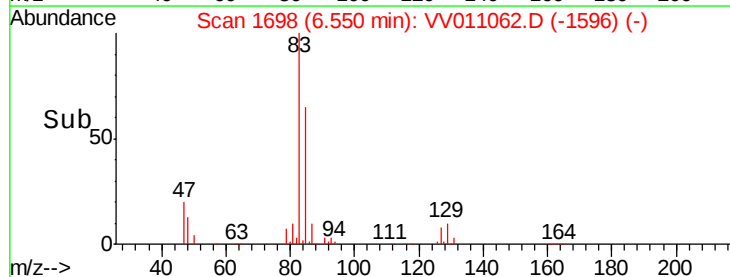
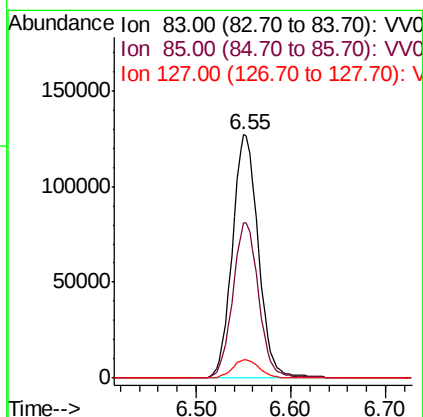
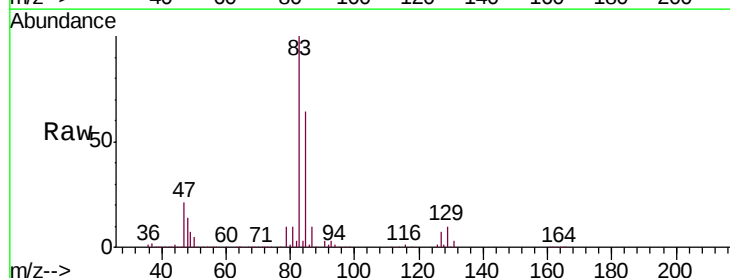
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV89

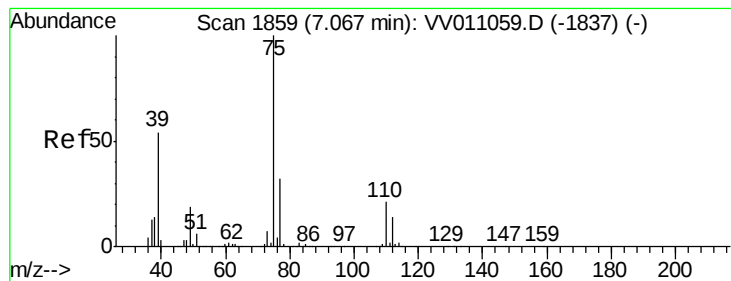
Tgt Ion: 63 Resp: 188813
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#41
 Bromodichloromethane
 Concen: 23.798 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

Tgt Ion: 83 Resp: 240460
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.4 82.4
 127 7.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 23.332 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

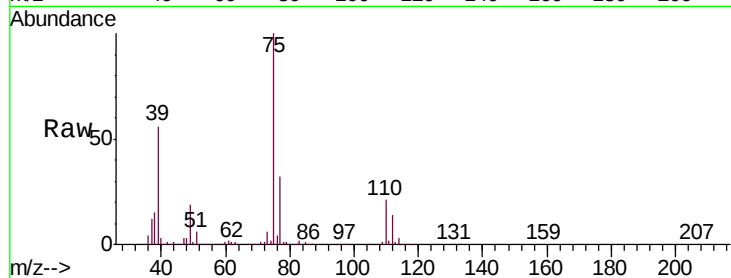
VICV89

Tgt Ion: 75 Resp: 297117

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV011059.D (-1837) (-)

Ion 77.00 (76.70 to 77.70): VV011059.D (-1837) (-)

7.07

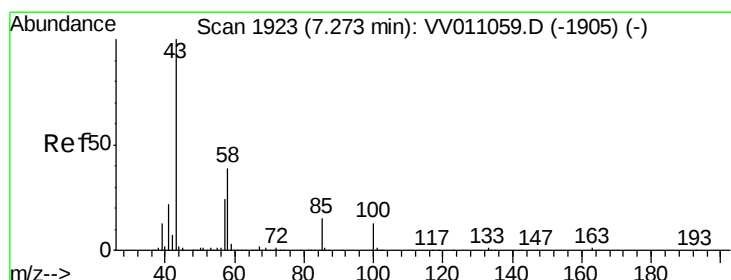
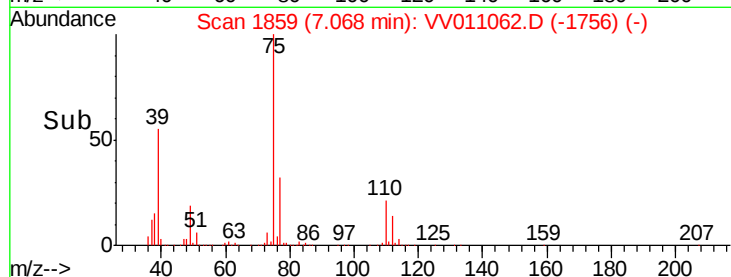
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 44.890 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

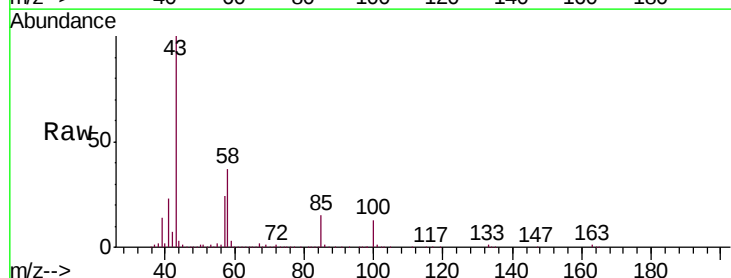
Tgt Ion: 43 Resp: 313776

Ion Ratio Lower Upper

43 100

58 37.3 30.3 45.5

100 13.2 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VV011059.D (-1905) (-)

Ion 58.00 (57.70 to 58.70): VV011059.D (-1905) (-)

Ion 100.00 (99.70 to 100.70): VV011059.D (-1905) (-)

7.27

250000

200000

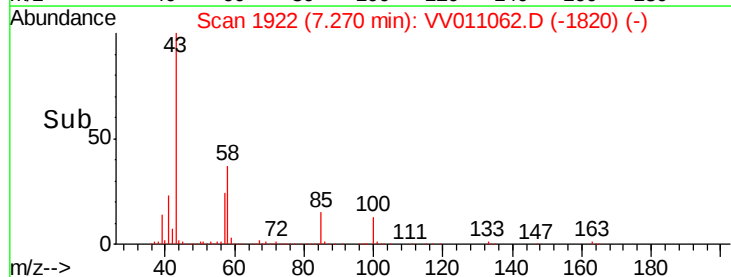
150000

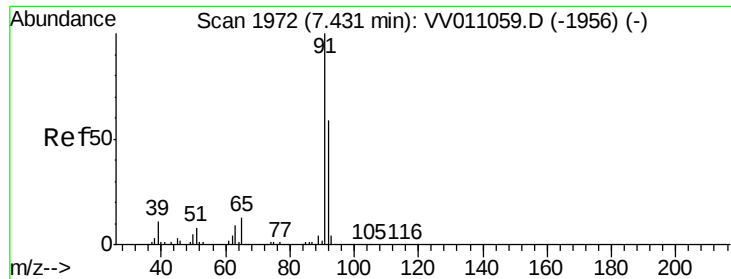
100000

50000

0

Time-->





#44

Toluene

Concen: 23.126 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

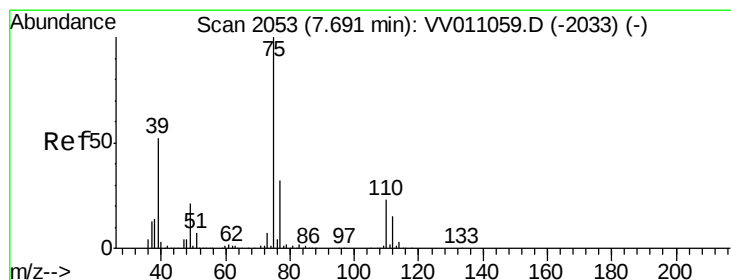
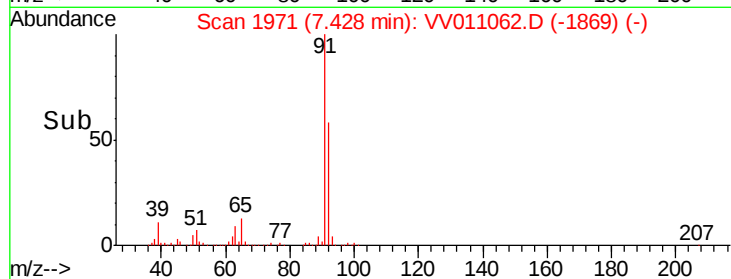
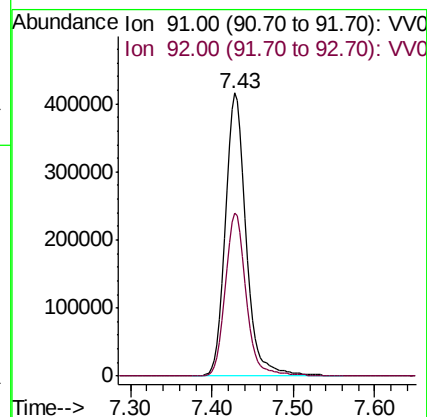
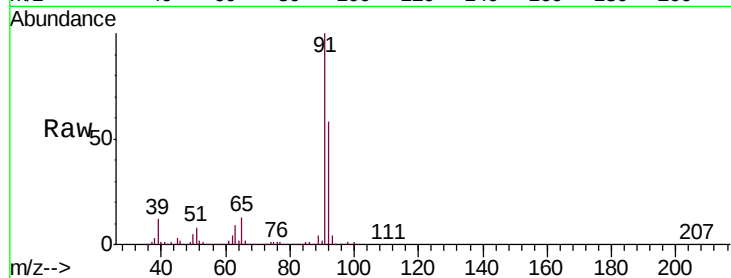
VICV89

Tgt Ion: 91 Resp: 751989

Ion Ratio Lower Upper

91 100

92 57.8 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 22.959 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011062.D

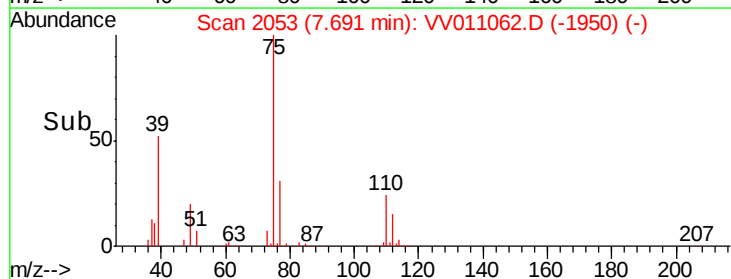
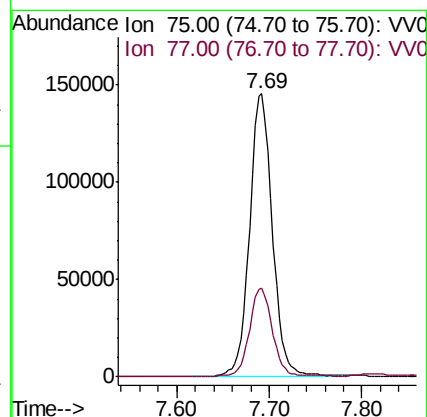
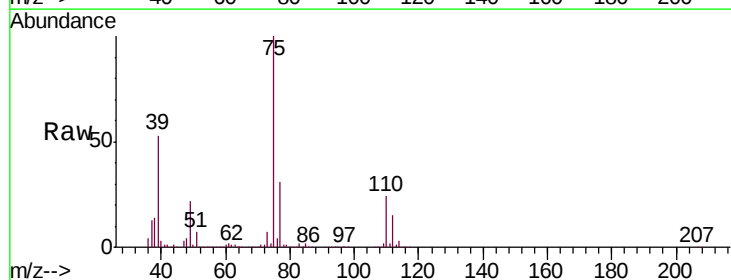
Acq: 28 May 2019 13:08

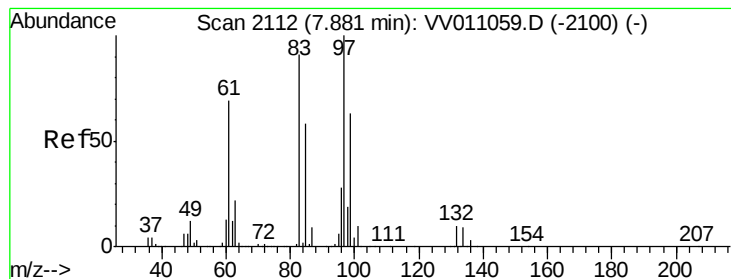
Tgt Ion: 75 Resp: 249485

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 22.916 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

VICV89

Tgt Ion: 97 Resp: 135367

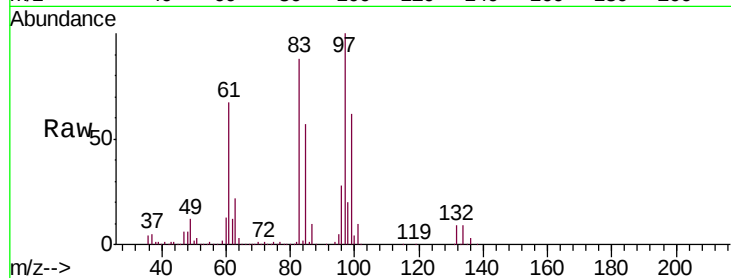
Ion Ratio Lower Upper

97 100

83 87.9 63.5 117.9

85 57.3 40.3 74.9

99 62.1 44.4 82.5

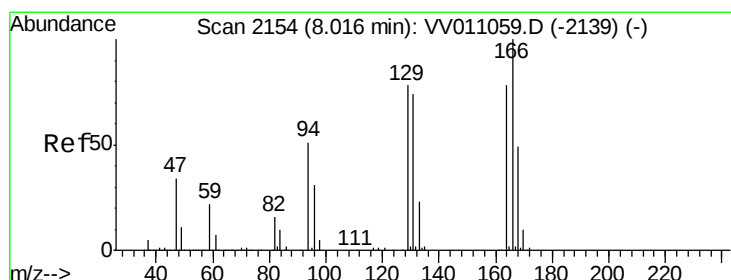
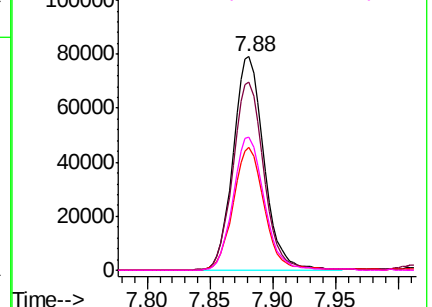
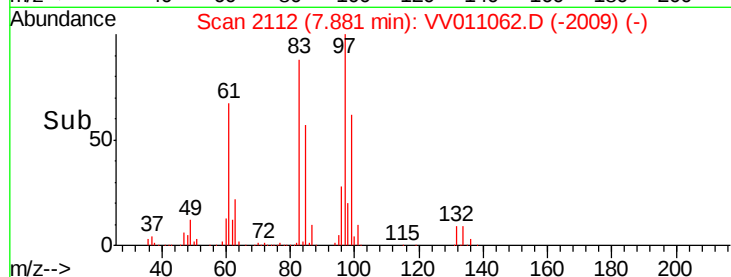


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 22.764 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Tgt Ion: 164 Resp: 128238

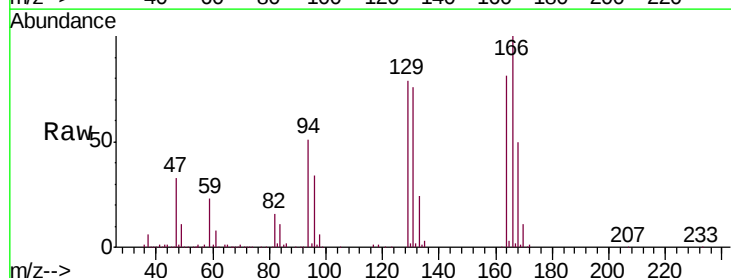
Ion Ratio Lower Upper

164 100

129 97.8 70.7 131.3

131 93.6 66.6 123.8

166 124.0 90.2 167.6

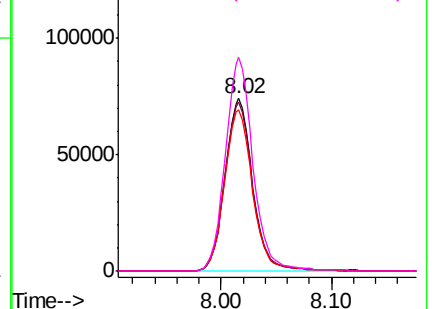
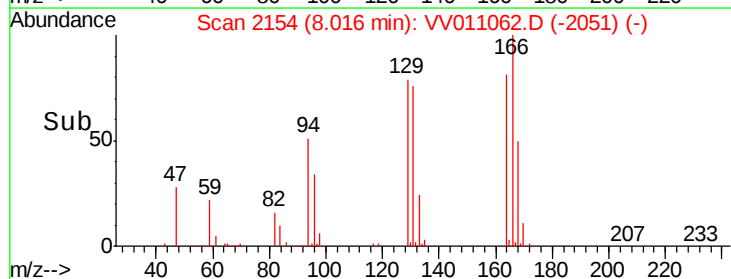


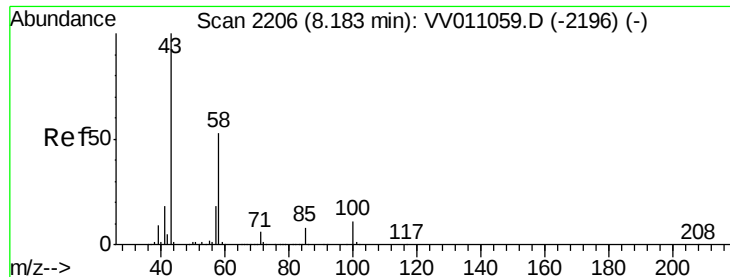
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

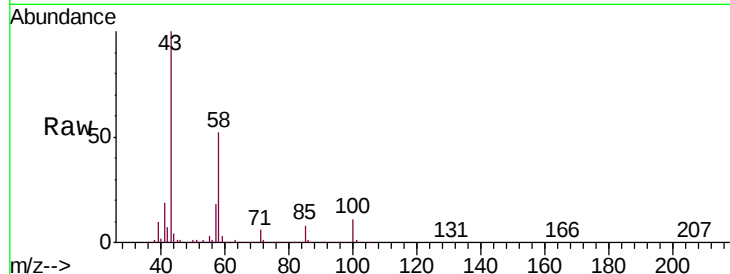




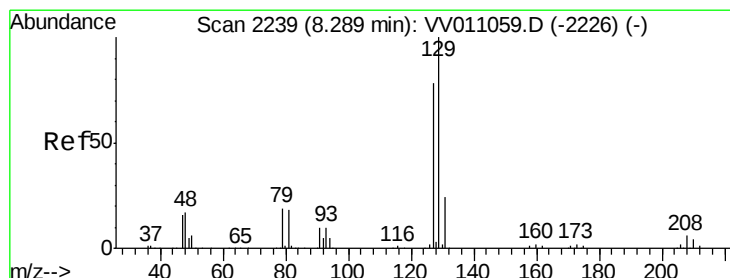
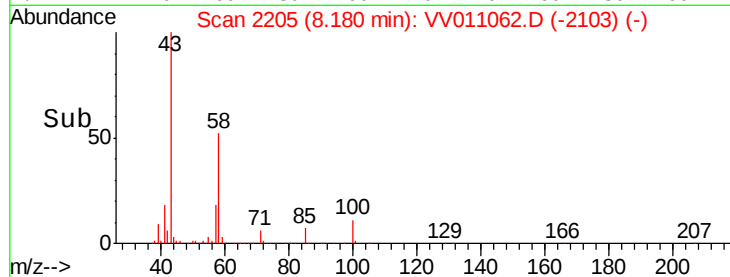
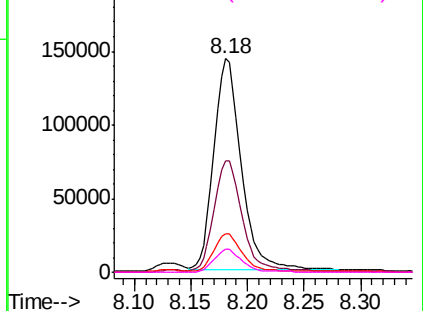
#49
2-Hexanone
Concen: 46.890 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Instrument :
MSVOA_V
ClientSampleId :
VICV89

Tgt Ion: 43 Resp: 241714
Ion Ratio Lower Upper
43 100
58 52.6 43.5 65.3
57 19.6 13.7 20.5
100 11.0 9.1 13.7

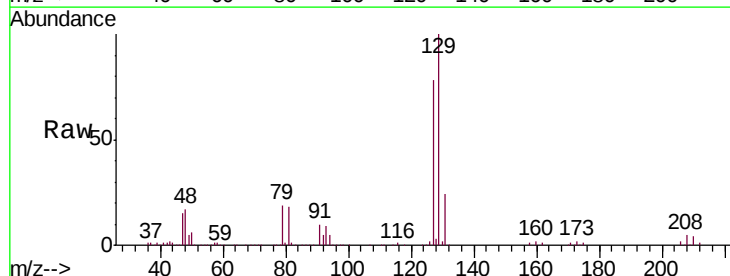


Abundance Ion 43.00 (42.70 to 43.70): VV011059.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV011059.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV011059.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV011059.D (-2196) (-)

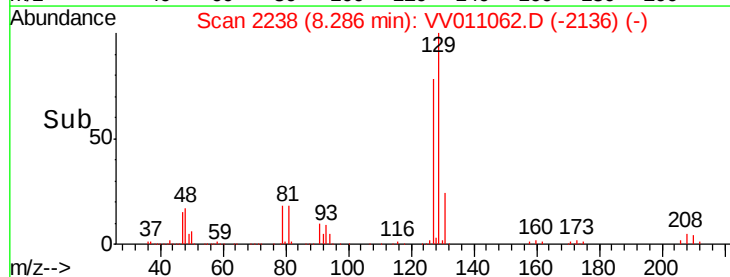
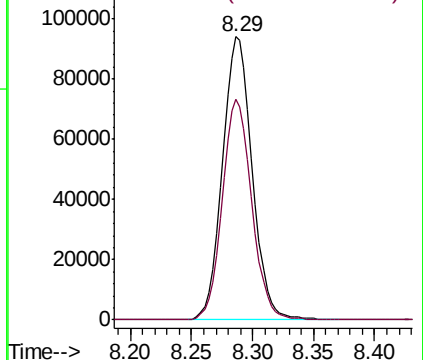


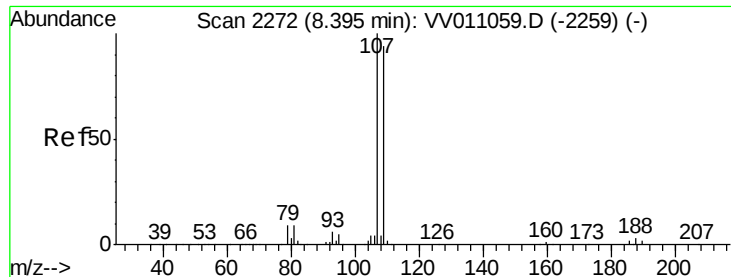
#50
Dibromochloromethane
Concen: 23.502 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV011062.D
Acq: 28 May 2019 13:08

Tgt Ion: 129 Resp: 160854
Ion Ratio Lower Upper
129 100
127 78.1 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV011059.D (-2226) (-)
Ion 127.00 (126.70 to 127.70): VV011059.D (-2226) (-)





#51

1,2-Dibromoethane

Concen: 23.282 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampled :

VICV89

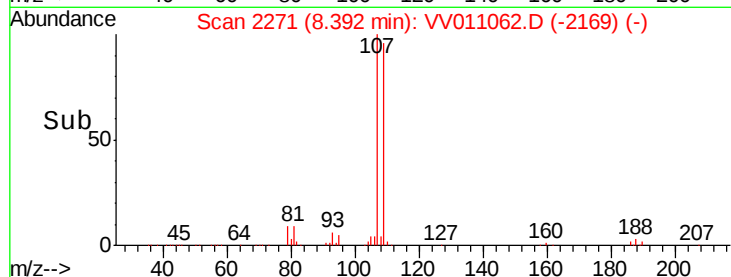
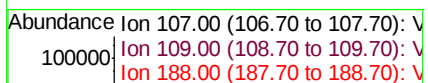
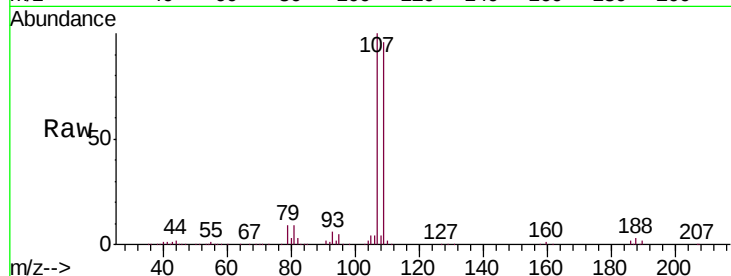
Tgt Ion:107 Resp: 131608

Ion Ratio Lower Upper

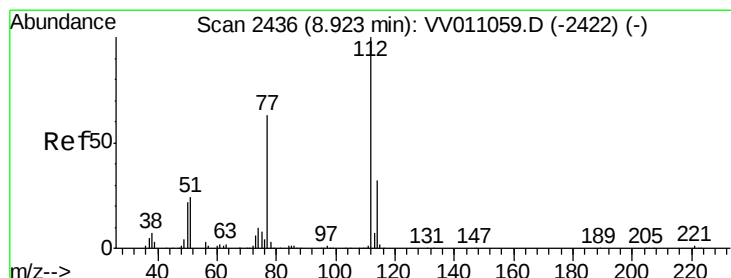
107 100

109 95.7 65.7 122.1

188 3.4 2.6 3.8



Time-->



#52

Chlorobenzene

Concen: 23.580 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

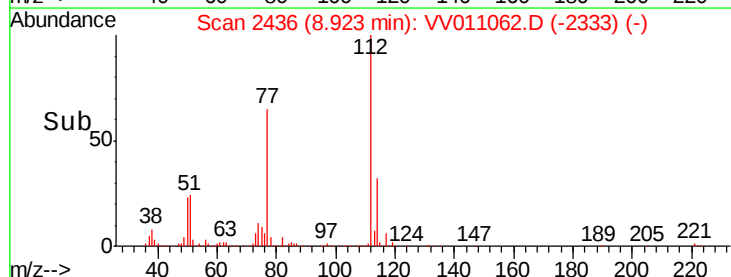
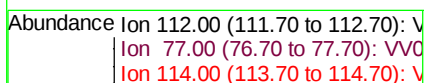
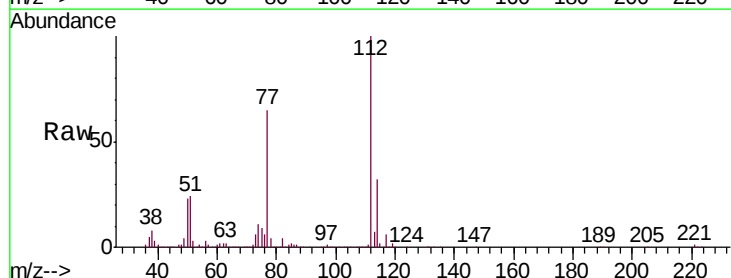
Tgt Ion:112 Resp: 475187

Ion Ratio Lower Upper

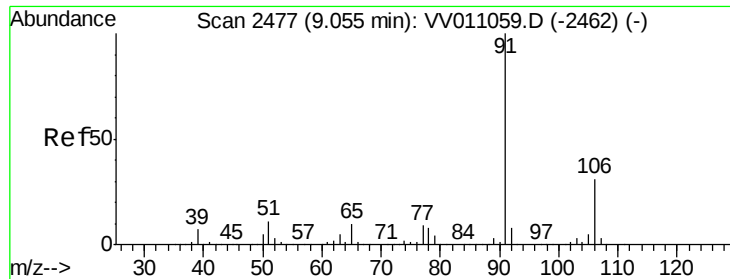
112 100

77 64.7 50.8 76.2

114 31.5 22.7 42.1



Time-->



#53

Ethylbenzene

Concen: 23.212 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

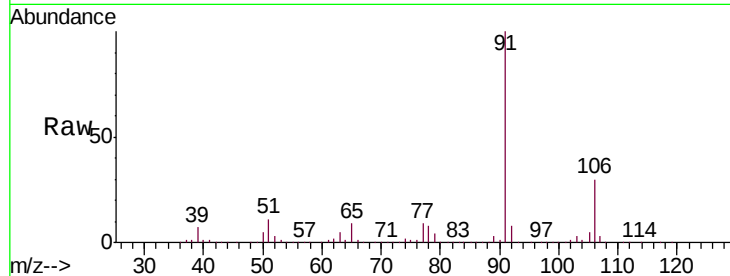
VICV89

Tgt Ion: 91 Resp: 860467

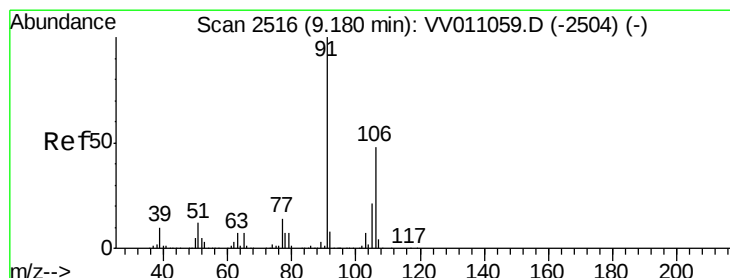
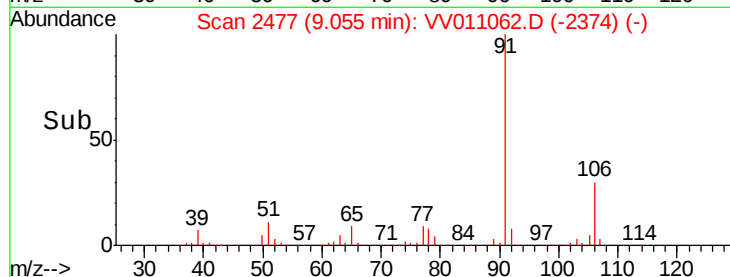
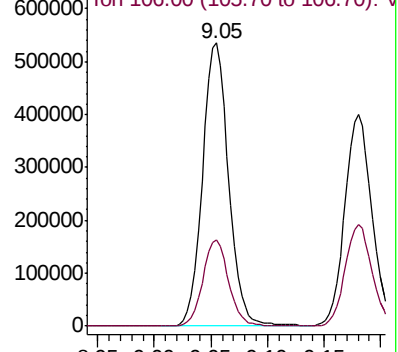
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV011059.D (-2462) (-)



#54

m,p-Xylene

Concen: 23.347 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011062.D

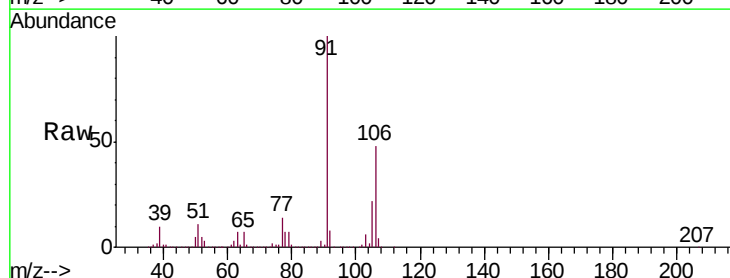
Acq: 28 May 2019 13:08

Tgt Ion: 106 Resp: 322384

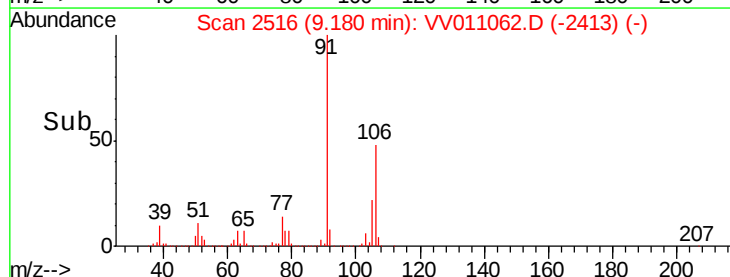
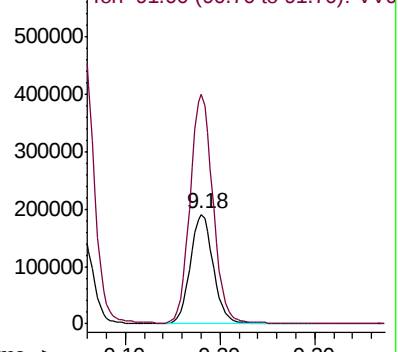
Ion Ratio Lower Upper

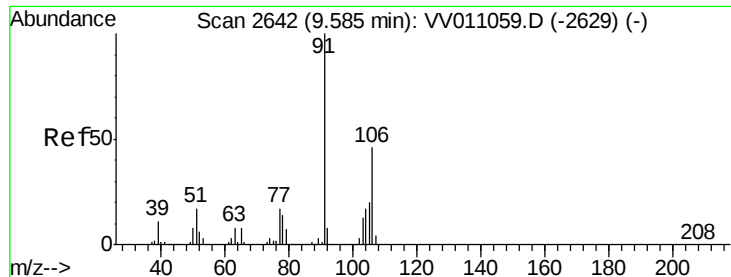
106 100

91 208.8 145.7 270.7



Abundance Ion 106.00 (105.70 to 106.70): VV011059.D (-2504) (-)





#55

o-xylene

Concen: 23.688 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

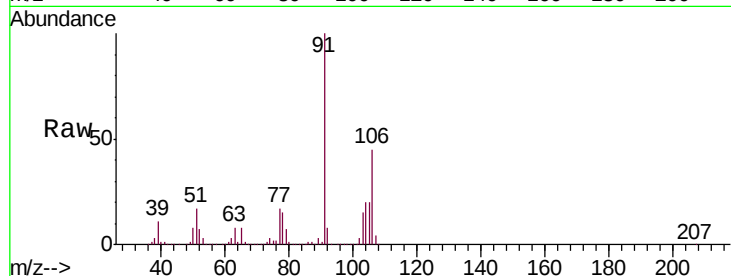
VICV89

Tgt Ion:106 Resp: 317831

Ion Ratio Lower Upper

106 100

91 221.0 151.5 281.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

500000

400000

300000

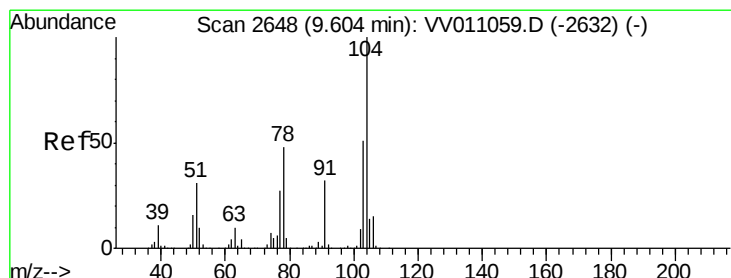
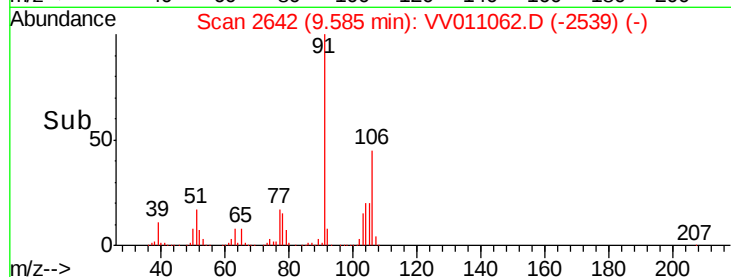
200000

100000

0

9.50 9.55 9.60 9.65

Time-->



#56

Styrene

Concen: 23.960 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011062.D

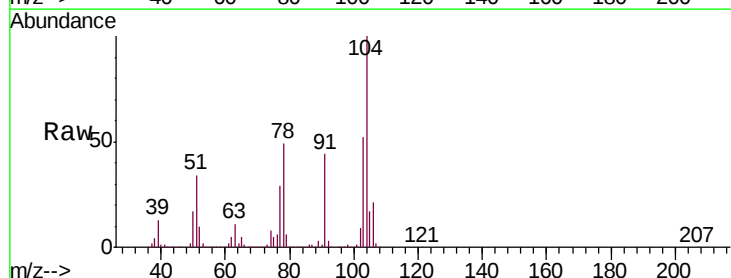
Acq: 28 May 2019 13:08

Tgt Ion:104 Resp: 545102

Ion Ratio Lower Upper

104 100

78 49.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

300000

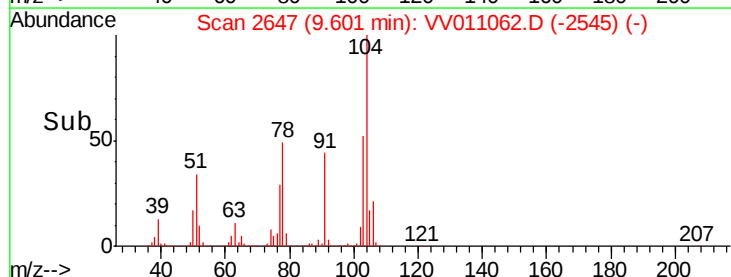
200000

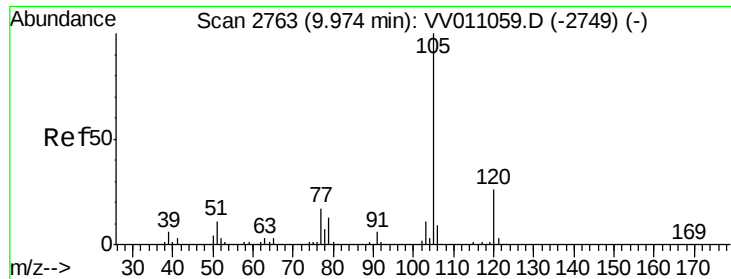
100000

0

9.50 9.60 9.70

Time-->





#57

Isopropylbenzene

Concen: 23.166 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

VICV89

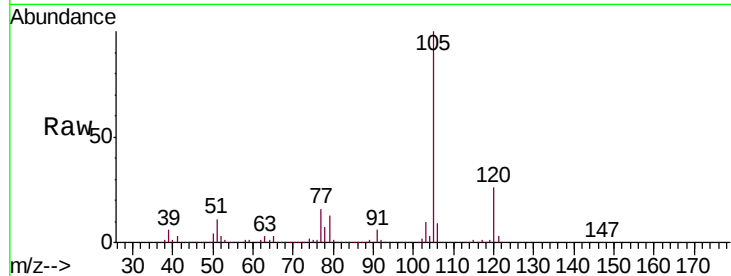
Tgt Ion: 105 Resp: 829554

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

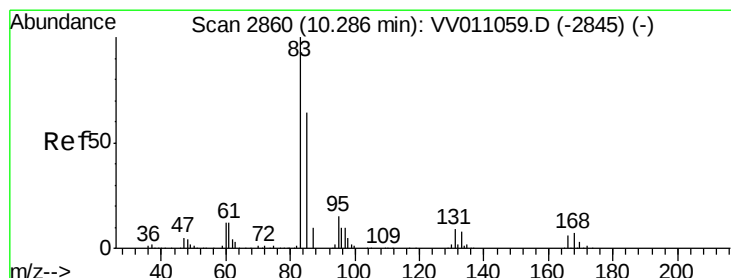
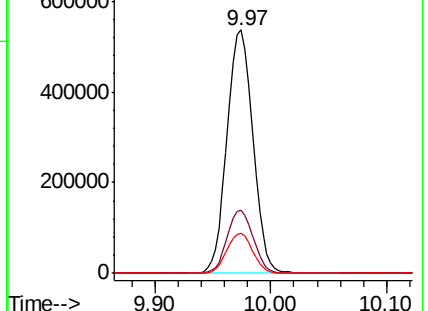
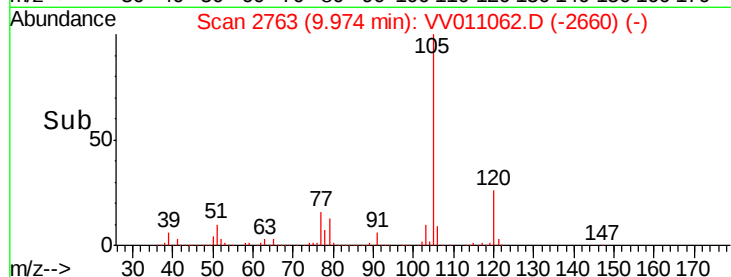
77 16.5 13.3 19.9



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: 23.402 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

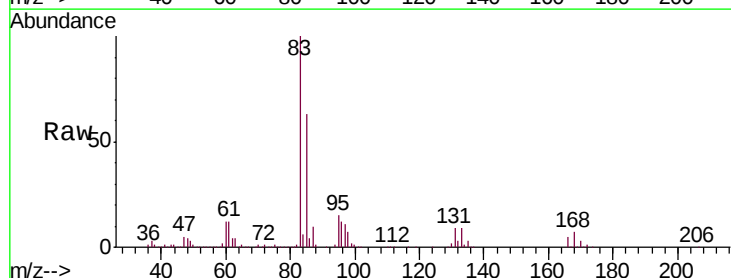
Tgt Ion: 83 Resp: 182114

Ion Ratio Lower Upper

83 100

85 63.3 44.7 82.9

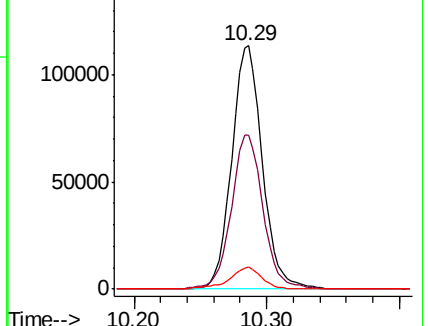
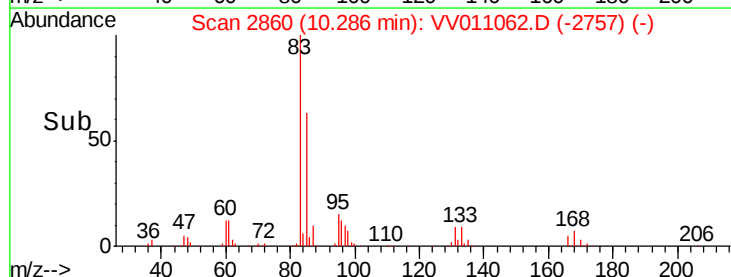
131 9.0 7.1 10.7

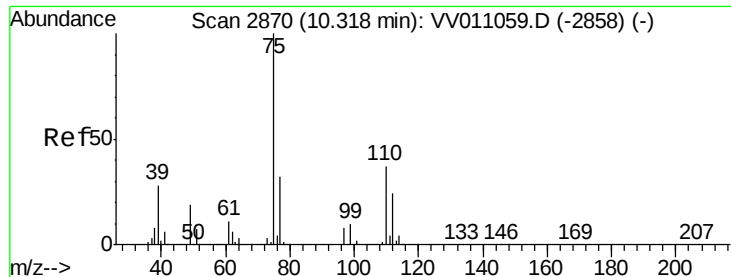


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.360 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

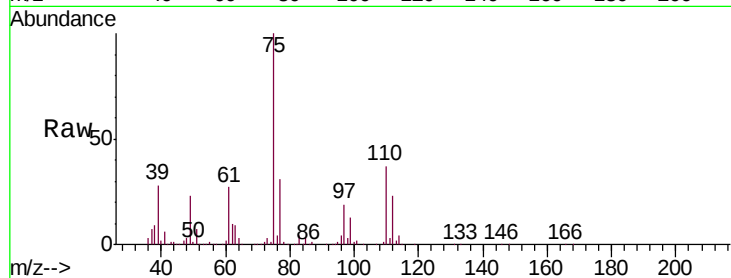
VICV89

Tgt Ion: 75 Resp: 138926

Ion Ratio Lower Upper

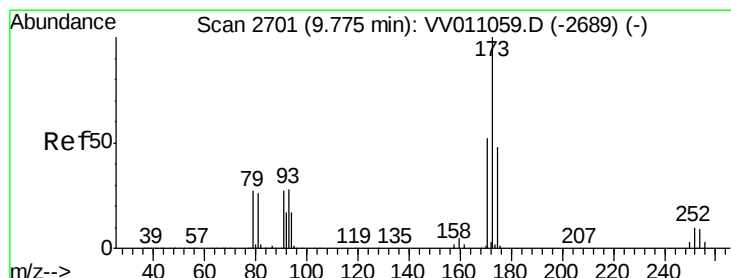
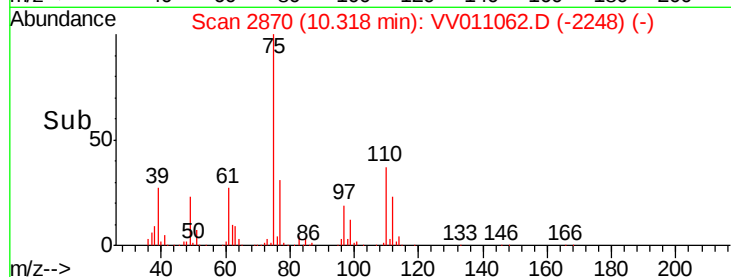
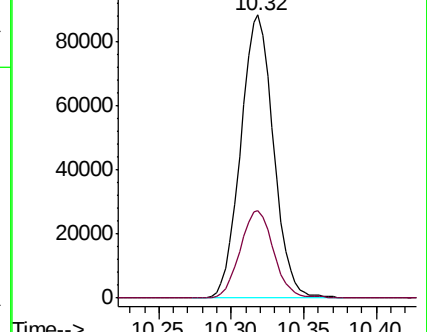
75 100

77 31.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV011059.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV011059.D (-2858) (-)



#62

Bromoform

Concen: 22.570 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

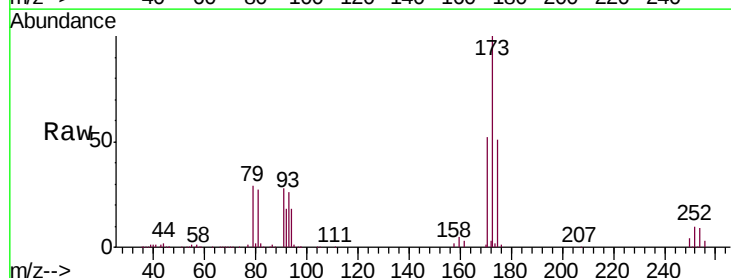
Tgt Ion: 173 Resp: 88645

Ion Ratio Lower Upper

173 100

175 50.0 39.0 58.4

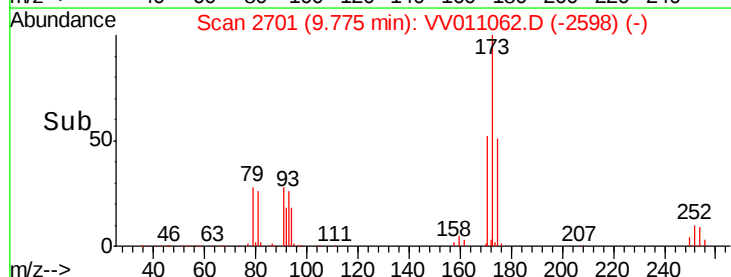
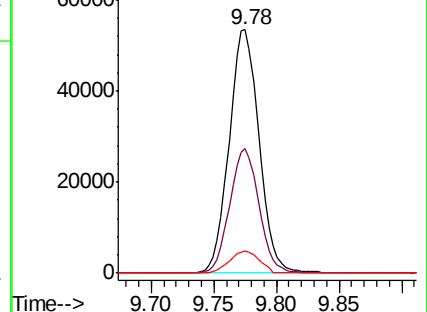
254 8.9 7.0 10.4

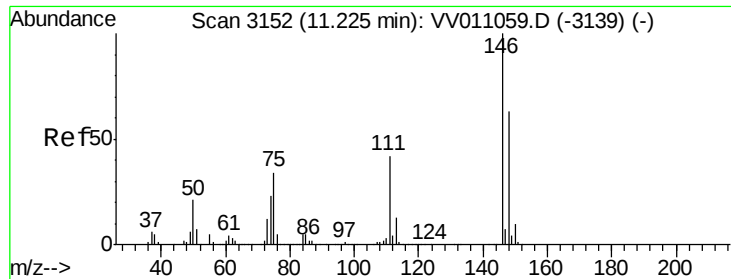


Abundance Ion 173.00 (172.70 to 173.70): VV011059.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV011059.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV011059.D (-2689) (-)

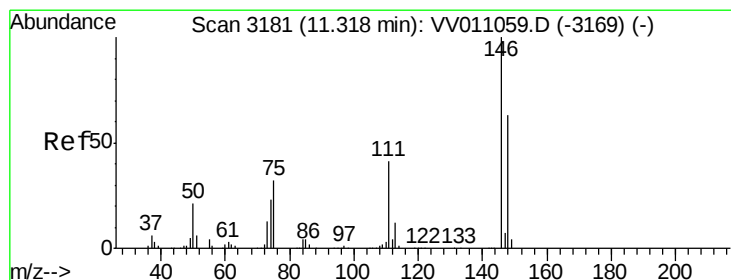
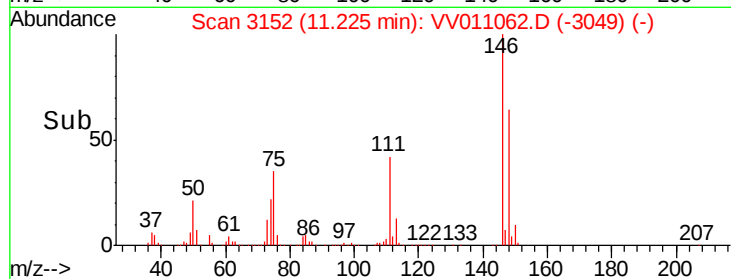
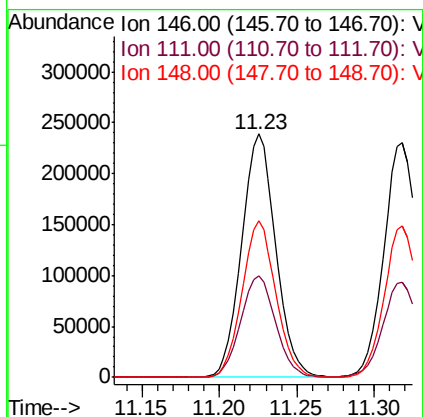
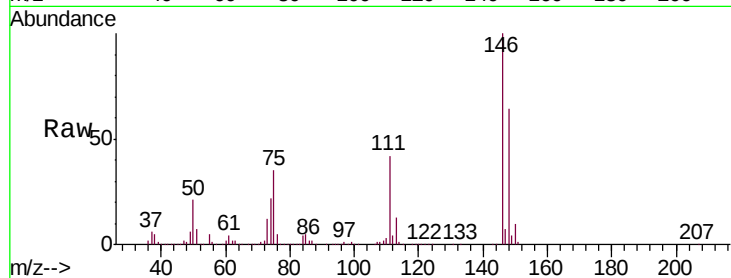




#63
 1,3-Dichlorobenzene
 Concen: 23.902 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

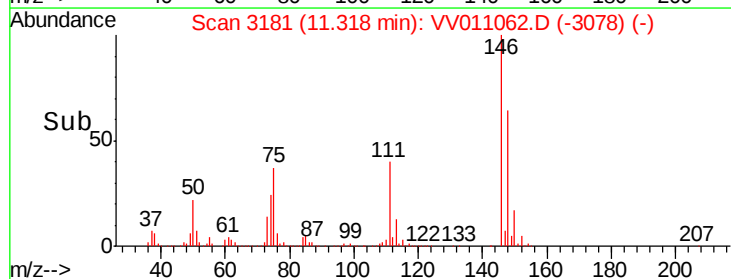
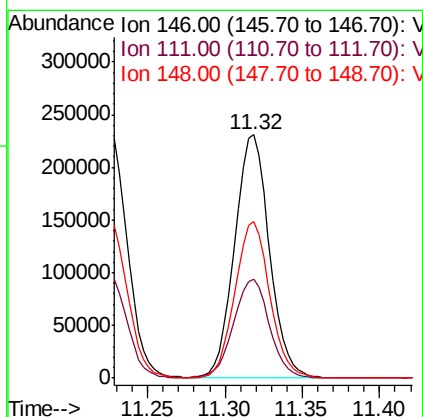
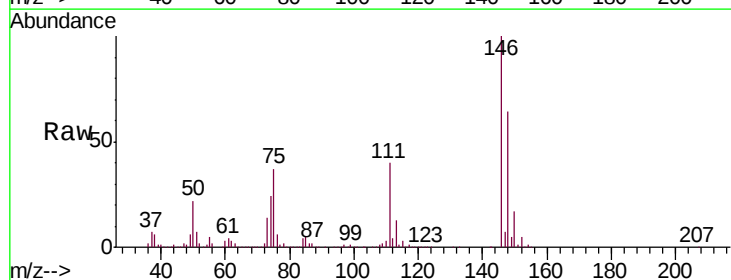
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV89

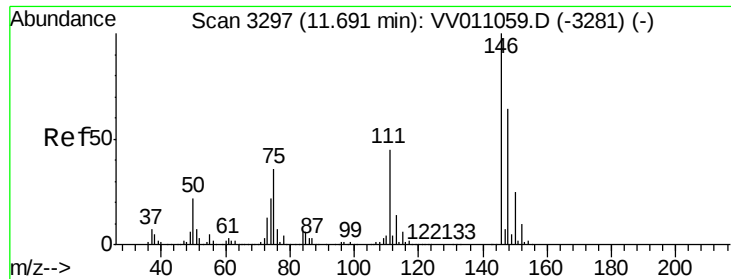
Tgt Ion:146 Resp: 367142
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.6 55.0
 148 64.3 44.1 81.9



#64
 1,4-Dichlorobenzene
 Concen: 23.605 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

Tgt Ion:146 Resp: 360811
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.8 53.4
 148 64.1 44.4 82.5

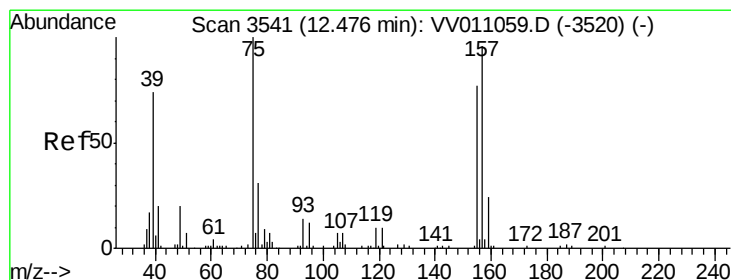
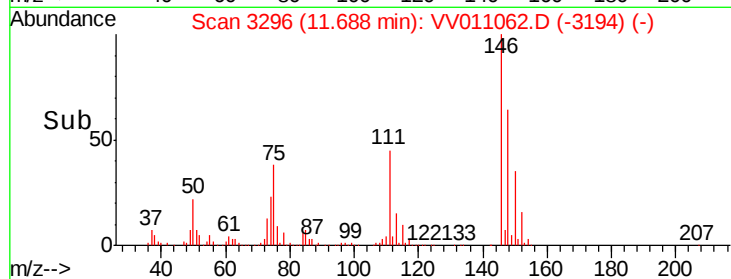
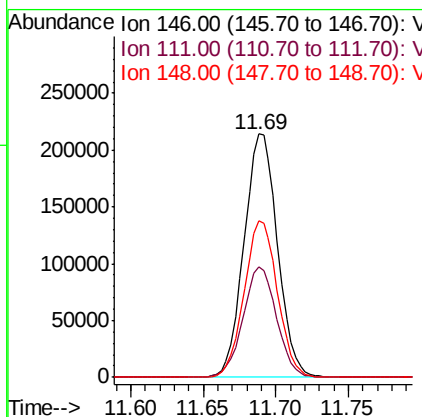
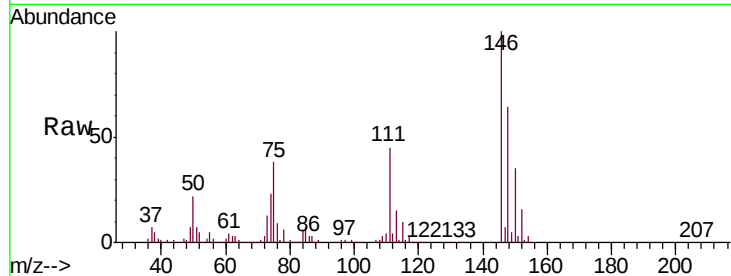




#65
 1,2-Dichlorobenzene
 Concen: 23.957 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

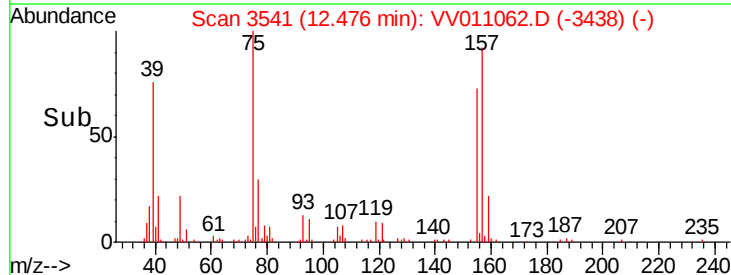
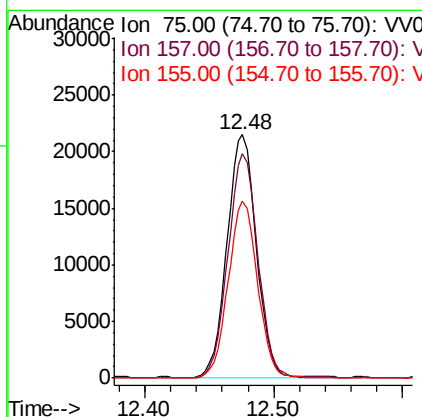
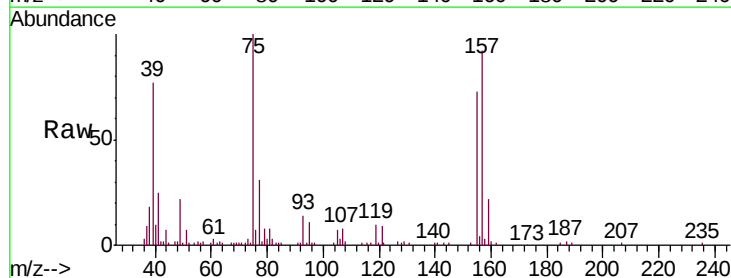
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV89

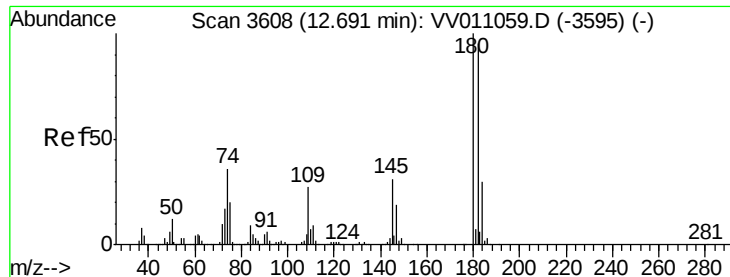
Tgt Ion: 146 Resp: 343862
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.9 53.9
 148 64.1 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.301 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011062.D
 Acq: 28 May 2019 13:08

Tgt Ion: 75 Resp: 34140
 Ion Ratio Lower Upper
 75 100
 157 92.1 76.7 115.1
 155 73.0 61.8 92.8





#67

1,3,5-Trichlorobenzene

Concen: 23.999 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampled :

VICV89

Tgt Ion:180 Resp: 271111

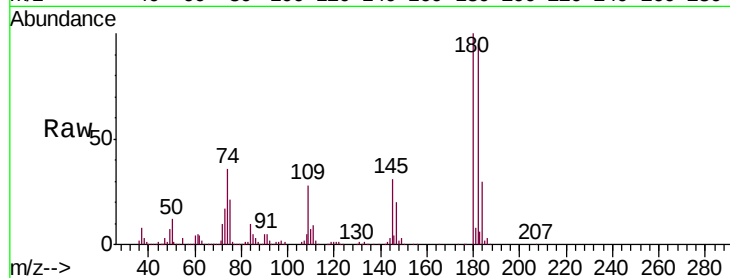
Ion Ratio Lower Upper

180 100

182 94.2 76.6 114.8

184 30.2 24.7 37.1

145 31.5 24.9 37.3

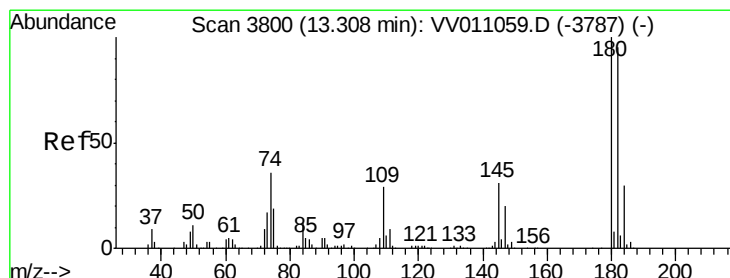
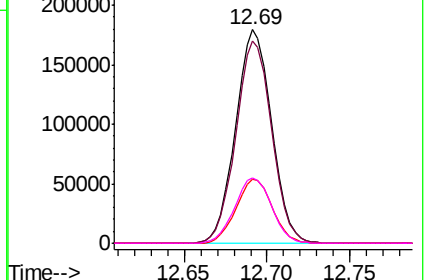
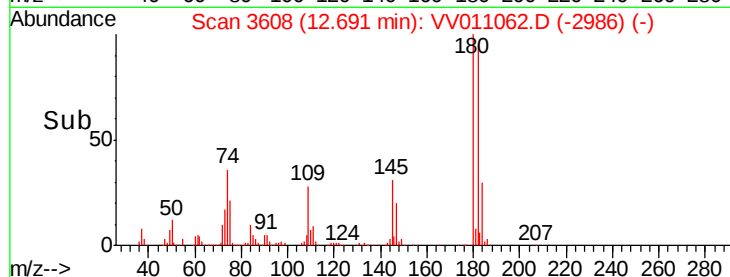


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 25.178 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

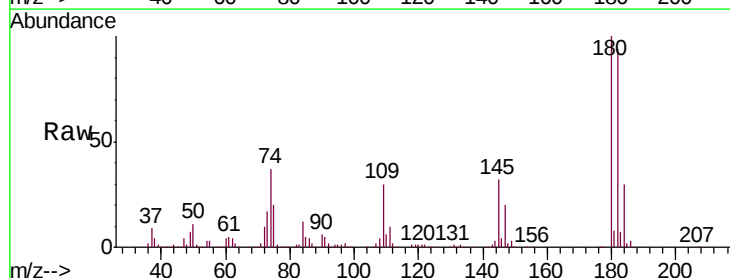
Tgt Ion:180 Resp: 226278

Ion Ratio Lower Upper

180 100

182 93.6 76.8 115.2

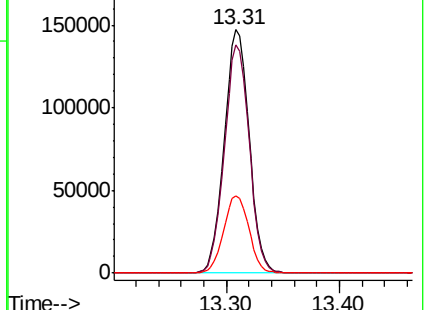
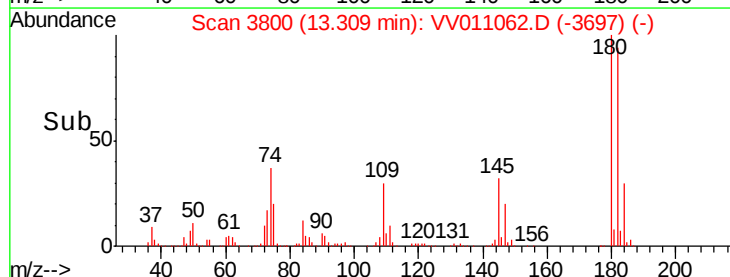
145 32.1 25.4 38.0

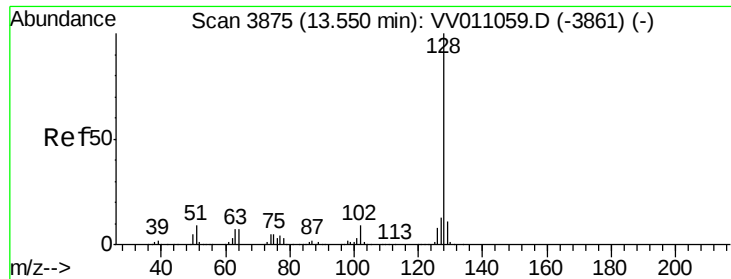


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.408 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

VICV89

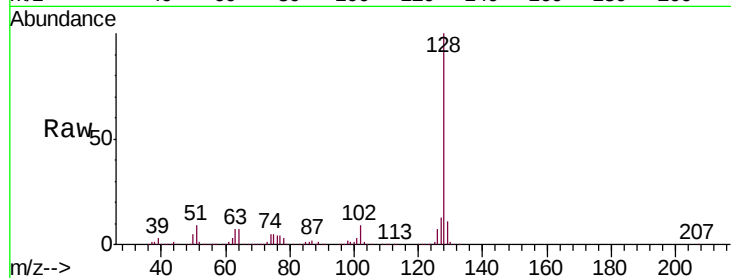
Tgt Ion:128 Resp: 489576

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

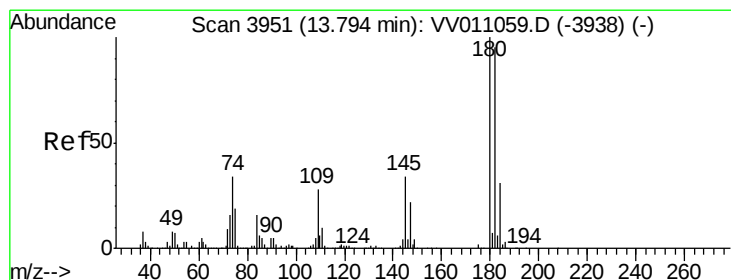
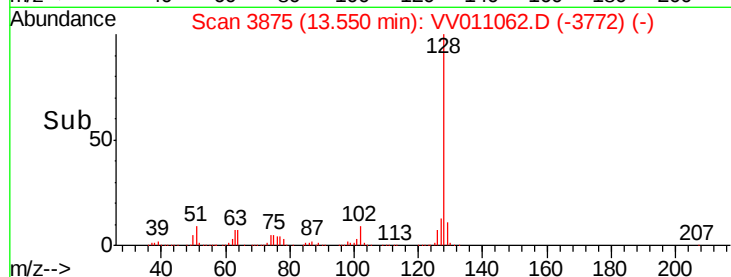
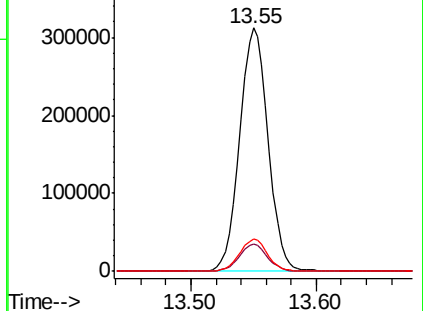
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.594 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011062.D

Acq: 28 May 2019 13:08

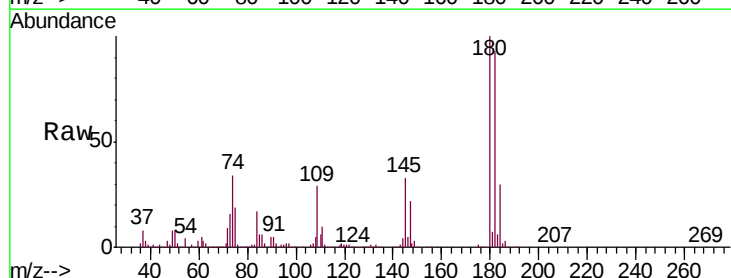
Tgt Ion:180 Resp: 210488

Ion Ratio Lower Upper

180 100

182 94.5 75.7 113.5

145 34.8 27.0 40.6



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

