

Data File : VV007635.D
Acq On : 19 Sep 2018 06:28
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Quant Time: Sep 19 08:40:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 04:15:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113957	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	105381	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57655	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25953	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	24012	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.14	63	64039	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.96	46	55875	74.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.18%#
24) Chloroform-d	4.41	84	57292	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.09	65	28189	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	108013	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.13	67	30819	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	112412	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.67	79	11879	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.14	63	37091	73.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	147.10%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21568	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	48313	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	44748	4.778 ug/L	98
3) Chloromethane	1.25	50	33967	4.913 ug/L	100
5) Vinyl chloride	1.32	62	39131	4.988 ug/L	97
6) Bromomethane	1.54	94	29946	5.158 ug/L	99
8) Chloroethane	1.60	64	25060	5.214 ug/L	99
9) Trichlorofluoromethane	1.77	101	78903	5.002 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	43362	4.968 ug/L	100
12) 1,1-Dichloroethene	2.15	96	39203	4.931 ug/L	91
13) Acetone	2.20	43	48019	75.283 ug/L	94
14) Carbon disulfide	2.32	76	106280	4.574 ug/L	98
15) Methyl Acetate	2.47	43	11236	6.032 ug/L	91
16) Methylene chloride	2.54	84	40001	4.763 ug/L	96
17) Methyl tert-butyl Ether	2.82	73	90041	5.203 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	43545	5.088 ug/L	99
19) 1,1-Dichloroethane	3.23	63	57241	5.168 ug/L	97
21) 2-Butanone	4.05	43	67297	67.780 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	38804	5.010 ug/L	100

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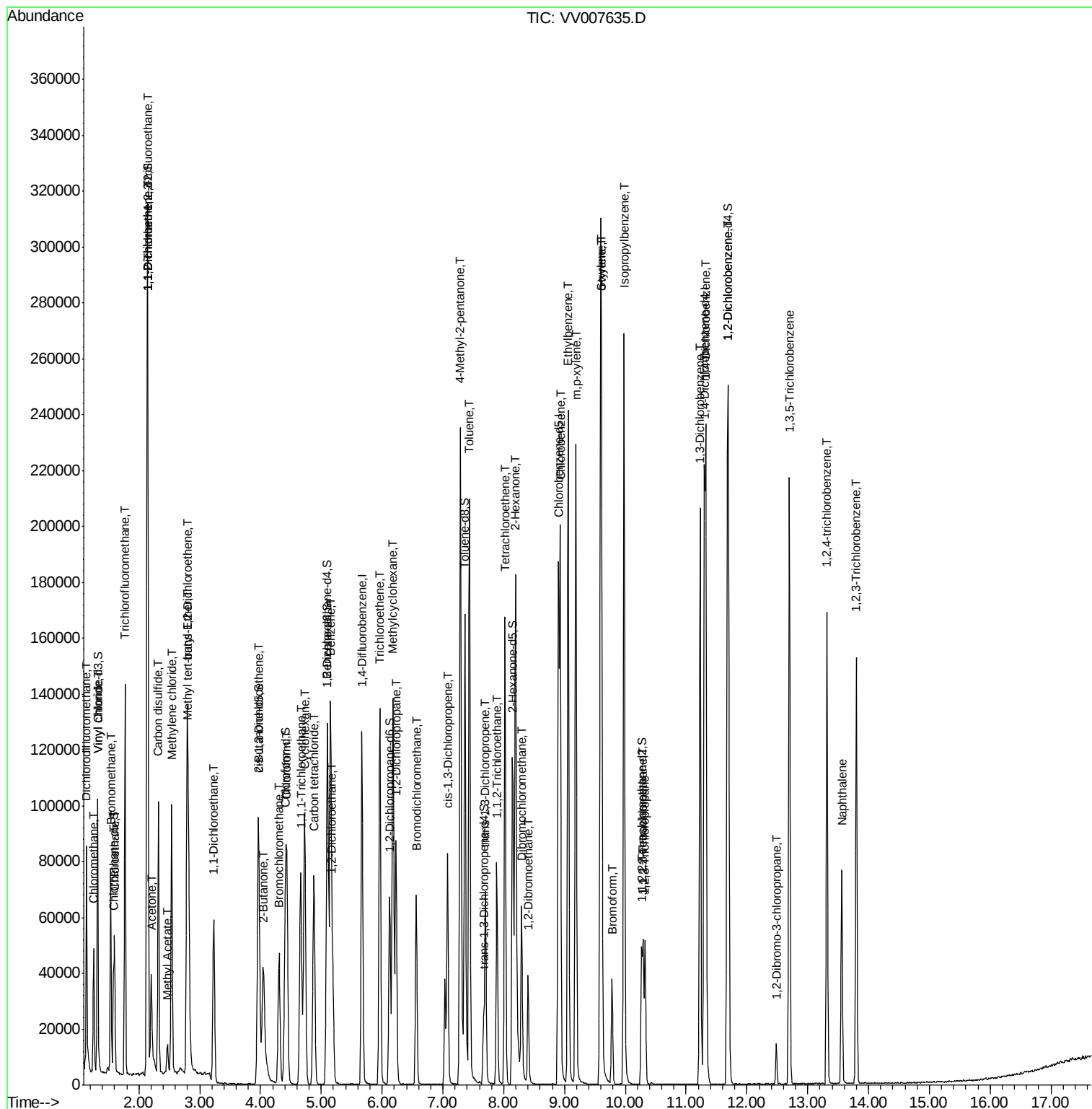
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17936	5.104	ug/L	96
25) Chloroform	4.43	83	65245	4.977	ug/L	98
27) 1,2-Dichloroethane	5.19	62	39120	5.224	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	60359	4.911	ug/L	99
30) Cyclohexane	4.73	56	51060	4.771	ug/L	99
31) Carbon tetrachloride	4.88	117	55374	4.817	ug/L	99
33) Benzene	5.15	78	135643	5.027	ug/L	100
34) Trichloroethene	5.96	95	43225	4.815	ug/L	96
35) Methylcyclohexane	6.18	83	61817	4.744	ug/L	99
37) 1,2-Dichloropropane	6.23	63	32511	5.292	ug/L	99
38) Bromodichloromethane	6.56	83	42666	4.800	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	45639	4.499	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	172926	48.078	ug/L	97
42) Toluene	7.43	91	154831	4.948	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	35702	4.392	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	24620	4.922	ug/L	98
47) Tetrachloroethene	8.02	164	38631	4.775	ug/L	99
48) 2-Hexanone	8.20	43	123722	44.631	ug/L	98
49) Dibromochloromethane	8.30	129	31527	4.765	ug/L	100
50) 1,2-Dibromoethane	8.40	107	24585	4.949	ug/L	96
51) Chlorobenzene	8.93	112	107834	4.971	ug/L	99
52) Ethylbenzene	9.06	91	172603	4.850	ug/L	100
53) m,p-xylene	9.19	106	66478	4.645	ug/L	97
54) o-xylene	9.59	106	67247	5.006	ug/L	98
55) Styrene	9.61	104	109657	4.899	ug/L	99
56) Isopropylbenzene	9.98	105	179642	4.818	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	21919	4.832	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	19204	4.677	ug/L	95
61) Bromoform	9.78	173	17214	4.477	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	93140	4.857	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	94493	4.991	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	86565	4.922	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3352	4.512	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	73751	4.869	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	55688	5.239	ug/L	99
69) Naphthalene	13.56	128	64890	5.228	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	50307	5.151	ug/L	98

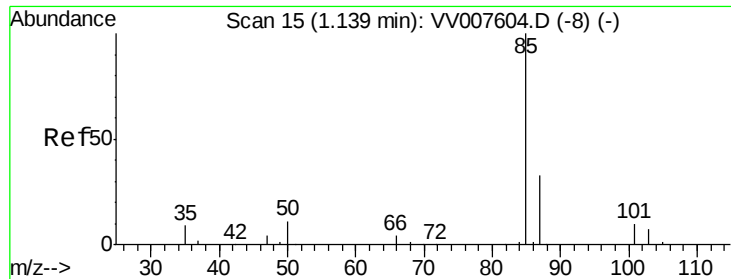
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.778 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

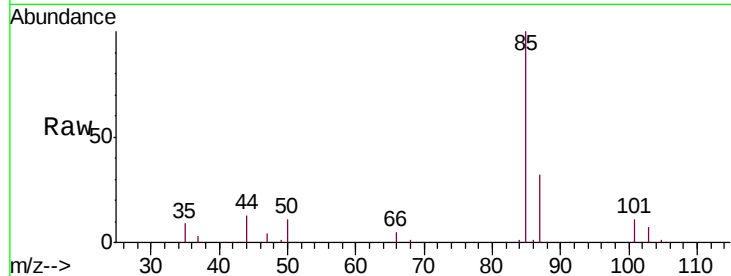
VSTD00569

Tgt Ion: 85 Resp: 44748

Ion Ratio Lower Upper

85 100

87 32.0 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV007604.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007604.D (-8) (-)

1.14

40000

30000

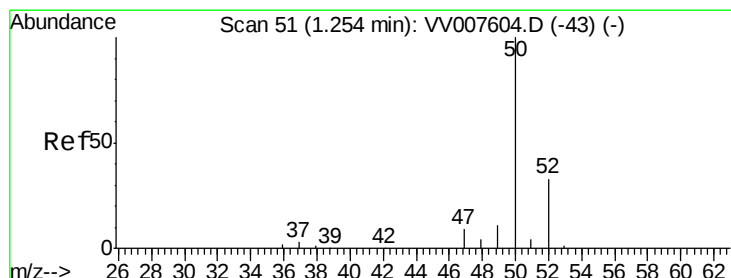
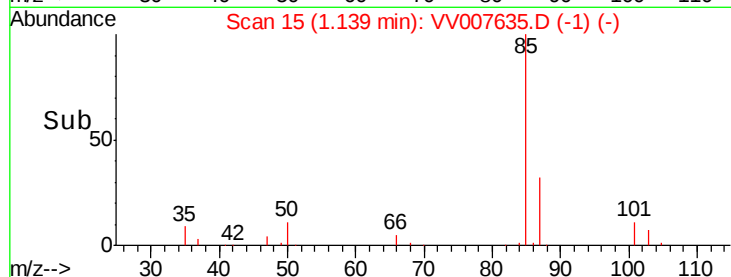
20000

10000

0

Time-->

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.913 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007635.D

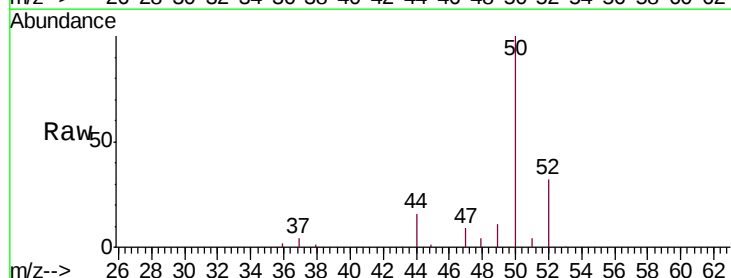
Acq: 19 Sep 2018 06:28

Tgt Ion: 50 Resp: 33967

Ion Ratio Lower Upper

50 100

52 32.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV007604.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007604.D (-43) (-)

1.25

30000

25000

20000

15000

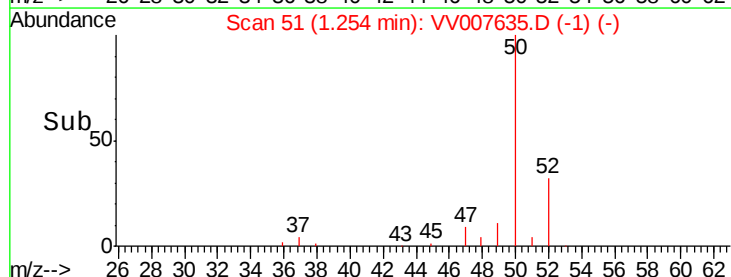
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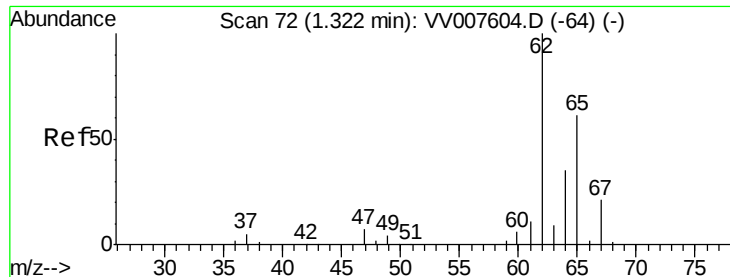
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0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.988 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

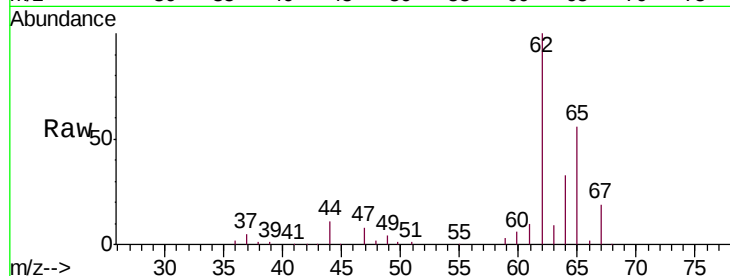
VSTD00569

Tgt Ion: 62 Resp: 39131

Ion Ratio Lower Upper

62 100

64 33.1 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV007604.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007635.D (-64) (-)

1.32

40000

30000

20000

10000

0

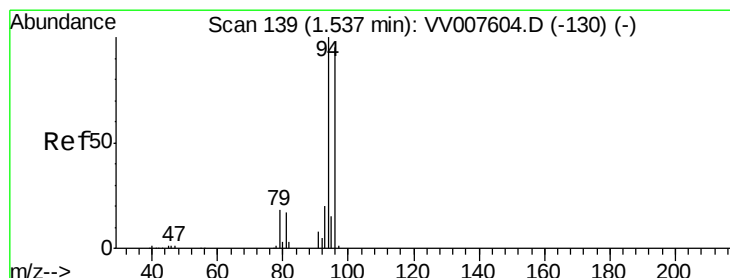
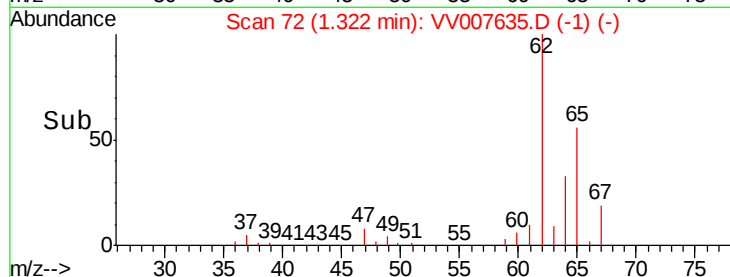
Time-->

1.25

1.30

1.35

1.40



#6

Bromomethane

Concen: 5.158 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007635.D

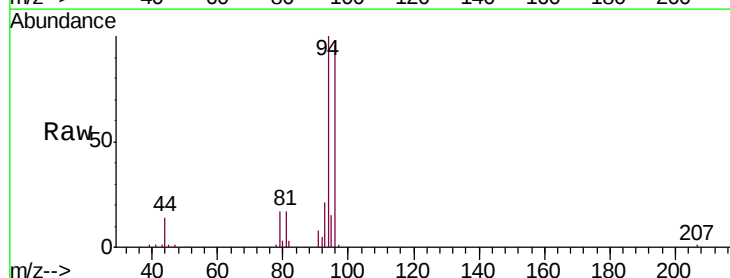
Acq: 19 Sep 2018 06:28

Tgt Ion: 94 Resp: 29946

Ion Ratio Lower Upper

94 100

96 96.5 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV007604.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007635.D (-130) (-)

1.54

30000

25000

20000

15000

10000

5000

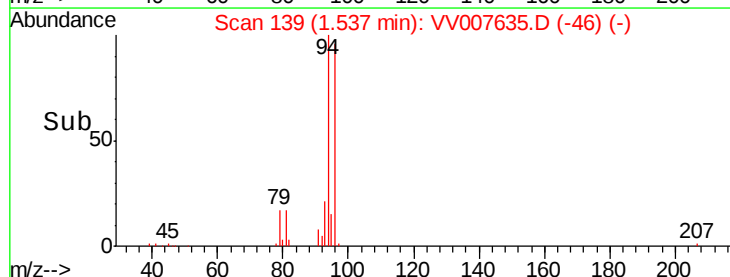
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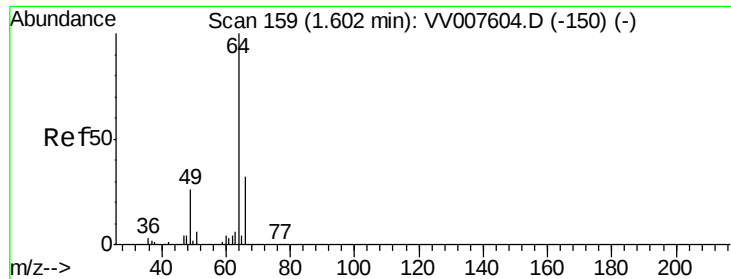
Time-->

1.50

1.55

1.60

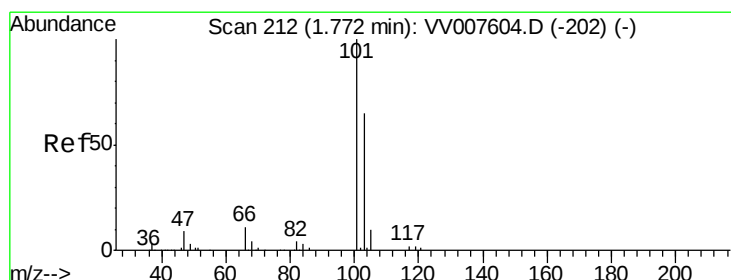
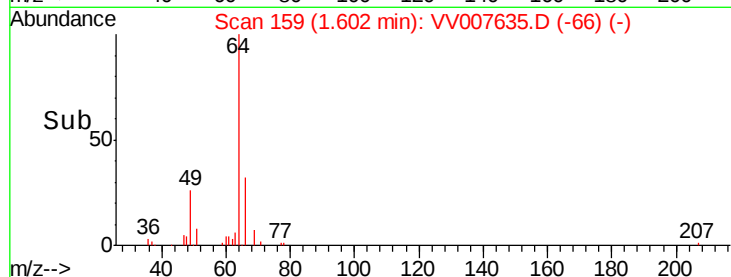
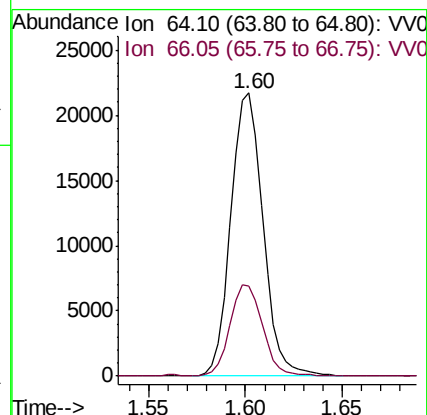
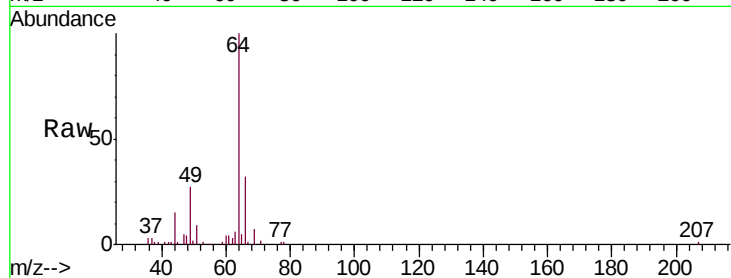




#8
 Chloroethane
 Concen: 5.214 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

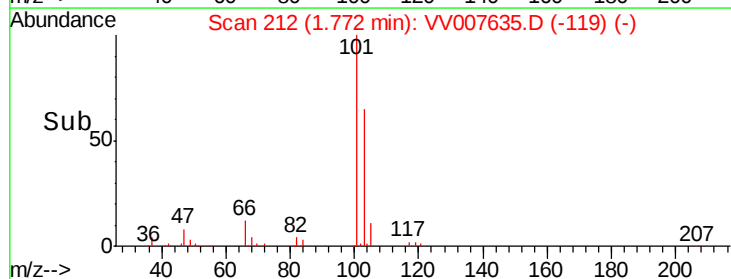
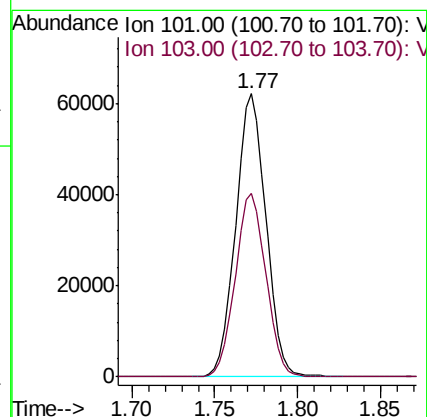
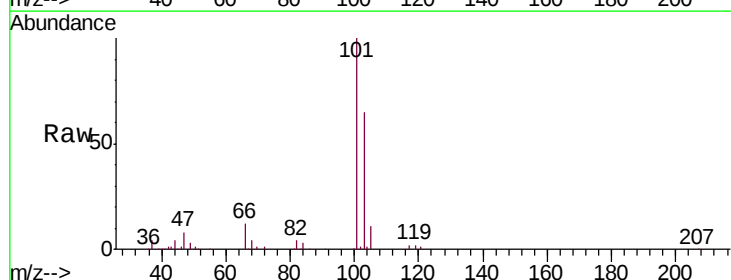
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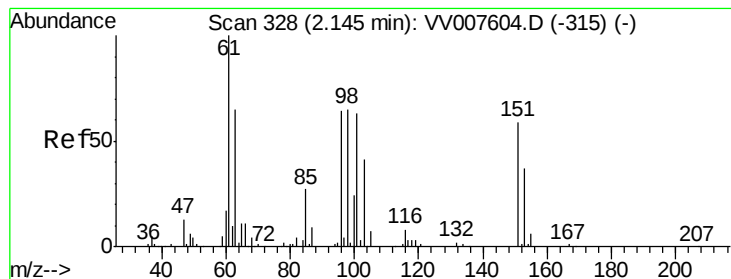
Tgt Ion: 64 Resp: 25060
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.9 42.5



#9
 Trichlorofluoromethane
 Concen: 5.002 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion: 101 Resp: 78903
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.2 78.2





#10

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

Concen: 4.968 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

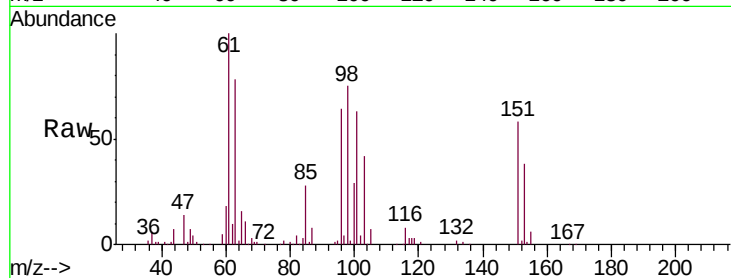
Tgt Ion: 101 Resp: 43362

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

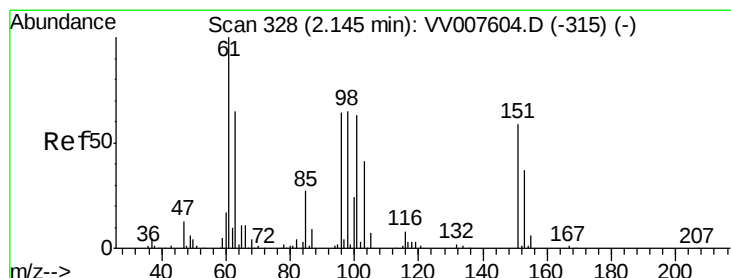
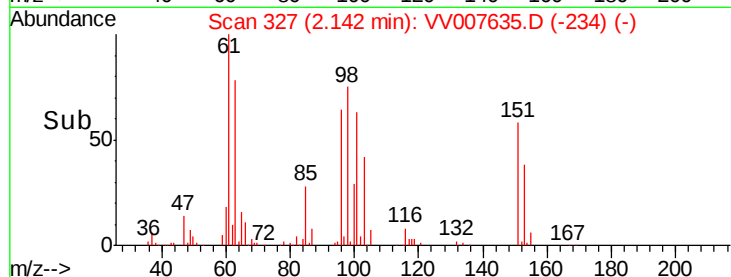
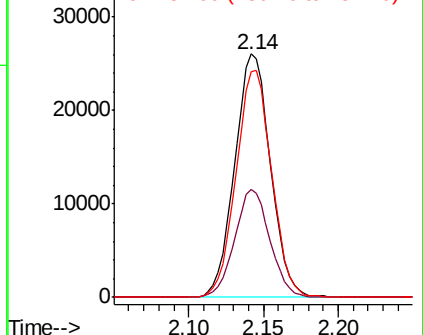
151 92.6 74.1 111.1



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: 4.931 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

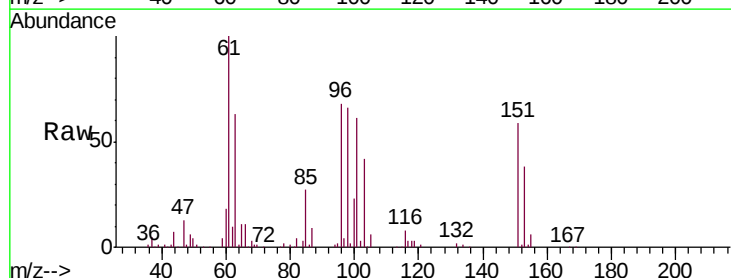
Tgt Ion: 96 Resp: 39203

Ion Ratio Lower Upper

96 100

61 148.1 108.1 200.9

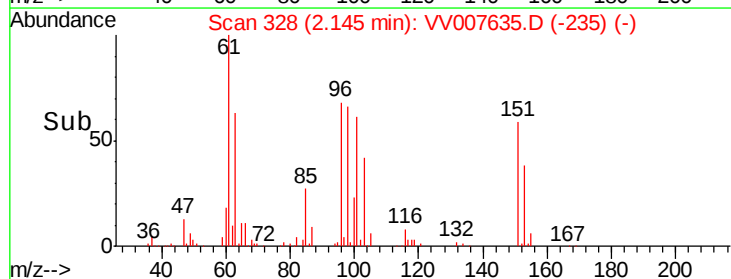
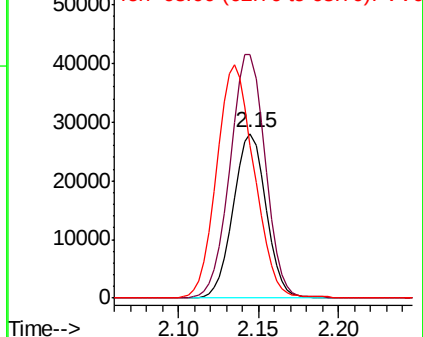
63 93.1 76.9 142.9

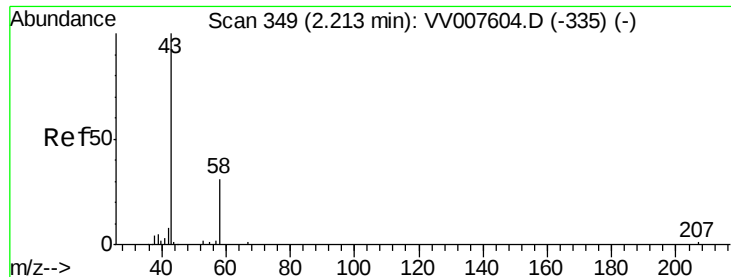


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 75.283 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

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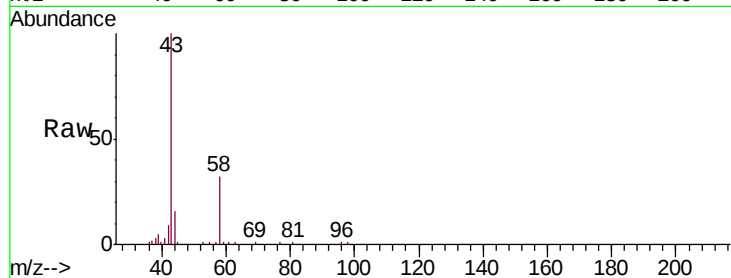
VSTD00569

Tgt Ion: 43 Resp: 48019

Ion Ratio Lower Upper

43 100

58 31.9 0.0 57.2



Abundance Ion 43.05 (42.75 to 43.75): VV007604.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV007604.D (-335) (-)

2.20

25000

20000

15000

10000

5000

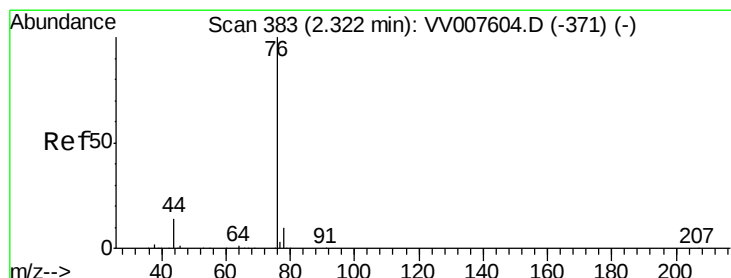
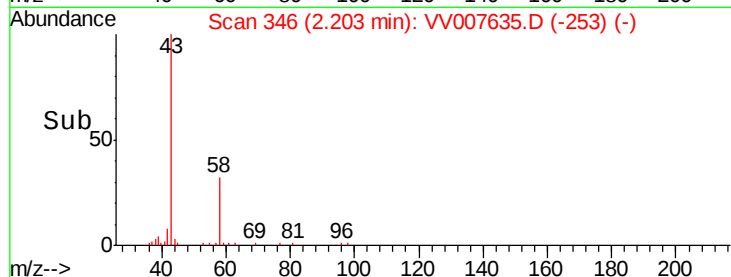
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Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 4.574 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007635.D

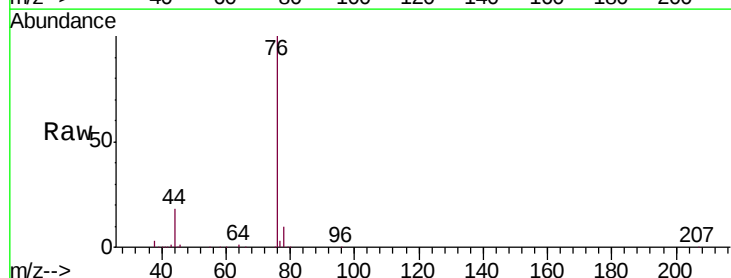
Acq: 19 Sep 2018 06:28

Tgt Ion: 76 Resp: 106280

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007604.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV007604.D (-371) (-)

2.32

80000

60000

40000

20000

0

Time-->

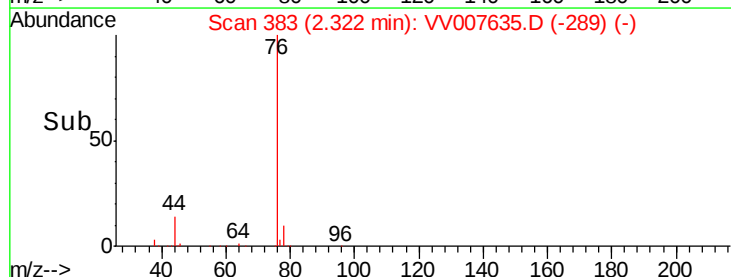
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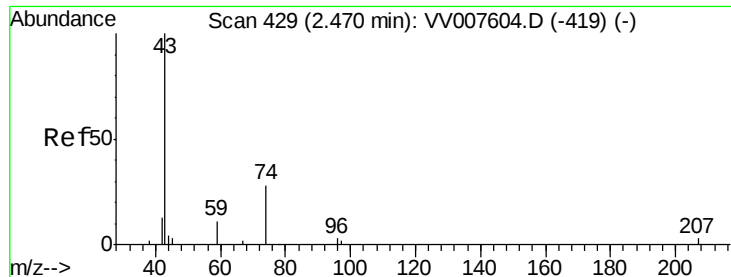
2.30

2.35

2.40

2.45

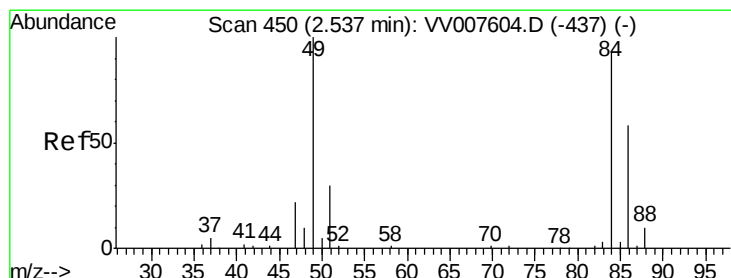
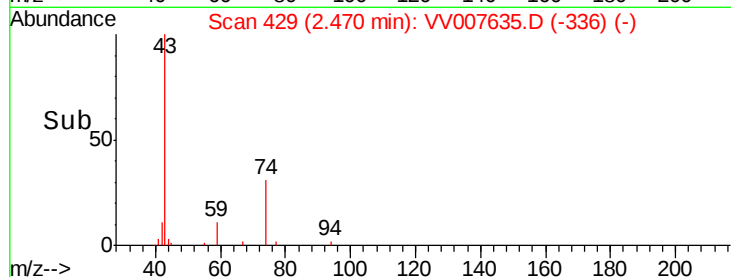
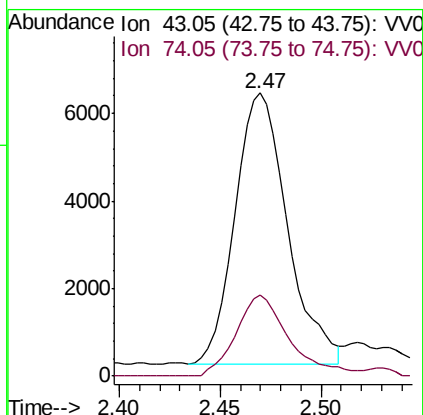
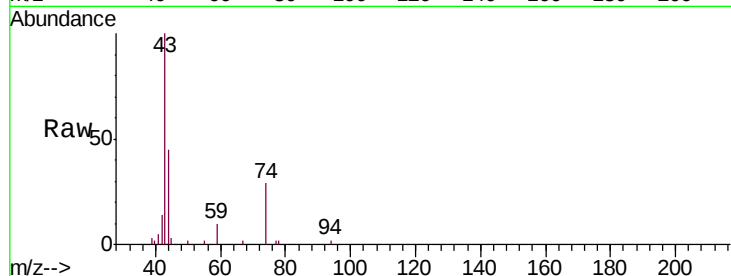




#15
Methyl Acetate
Concen: 6.032 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV007635.D
Acq: 19 Sep 2018 06:28

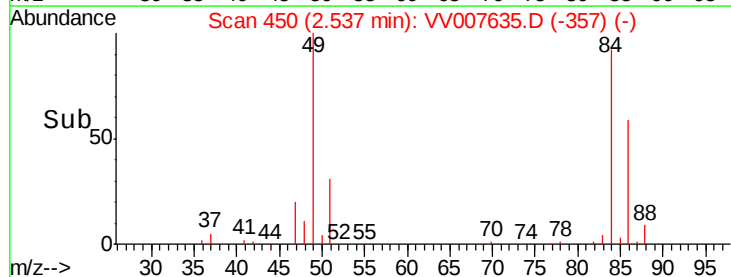
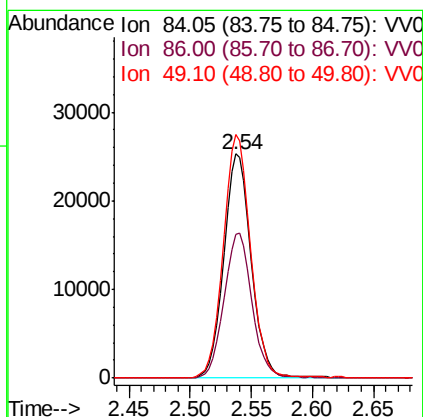
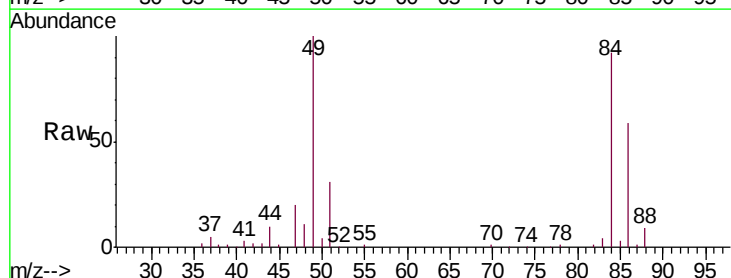
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

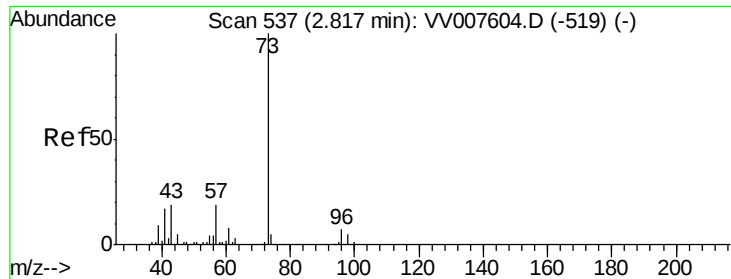
Tgt Ion: 43 Resp: 11236
Ion Ratio Lower Upper
43 100
74 30.5 20.6 31.0



#16
Methylene chloride
Concen: 4.763 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007635.D
Acq: 19 Sep 2018 06:28

Tgt Ion: 84 Resp: 40001
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.4
49 108.8 72.3 134.3





#17

Methyl tert-butyl Ether

Concen: 5.203 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

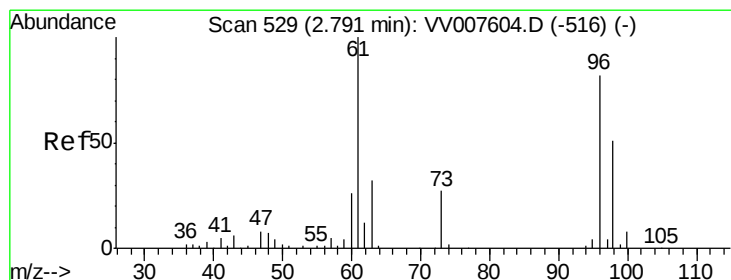
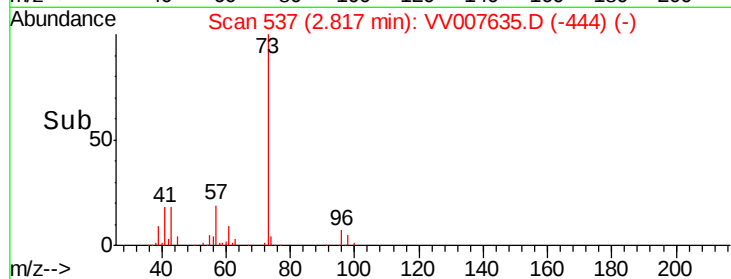
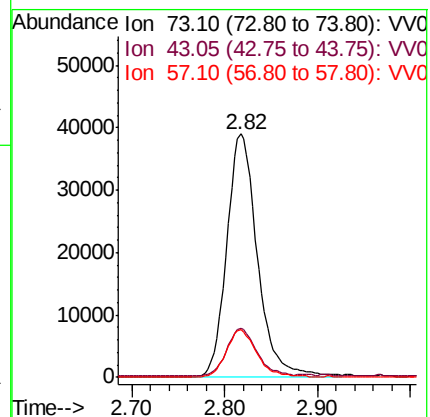
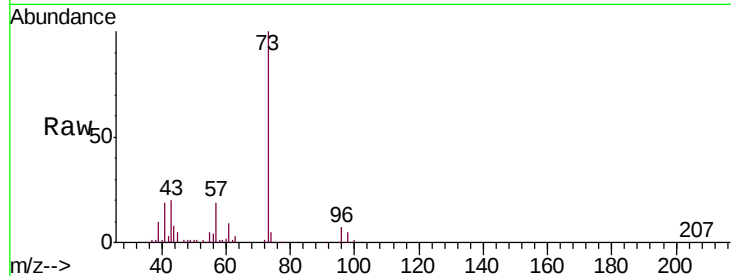
Tgt Ion: 73 Resp: 90041

Ion Ratio Lower Upper

73 100

43 19.1 16.2 24.2

57 19.5 16.4 24.6



#18

trans-1,2-Dichloroethene

Concen: 5.088 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

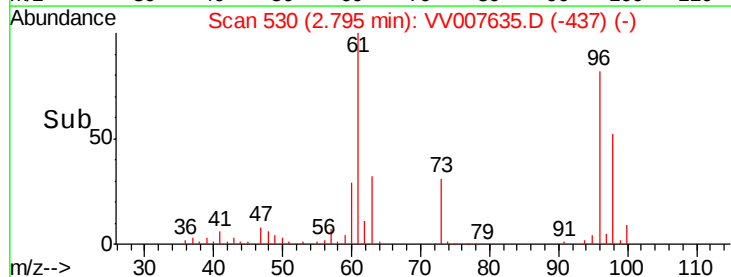
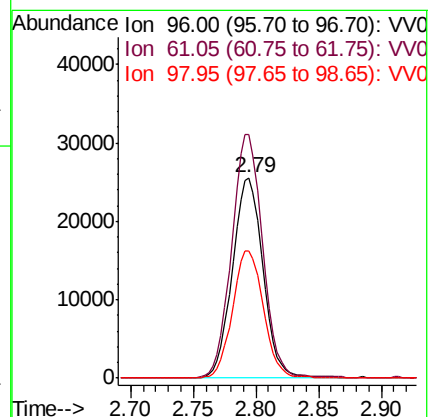
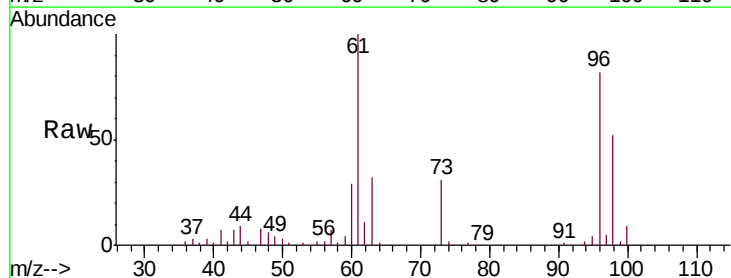
Tgt Ion: 96 Resp: 43545

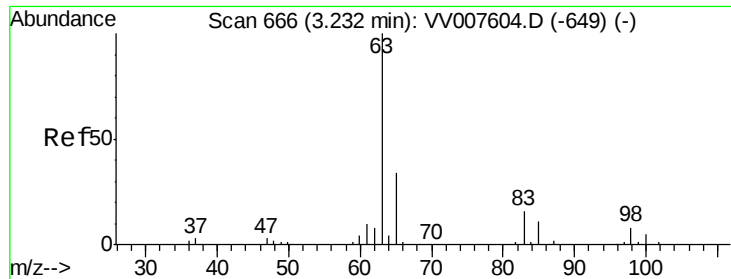
Ion Ratio Lower Upper

96 100

61 121.3 86.0 159.6

98 63.6 44.9 83.3

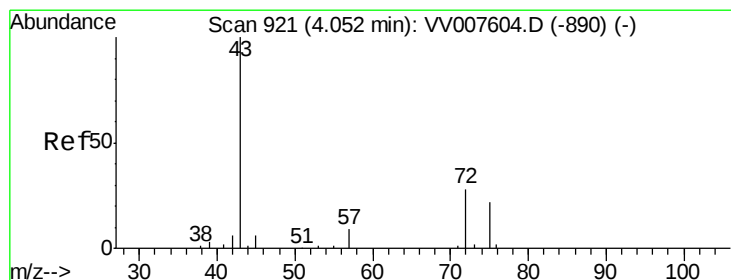
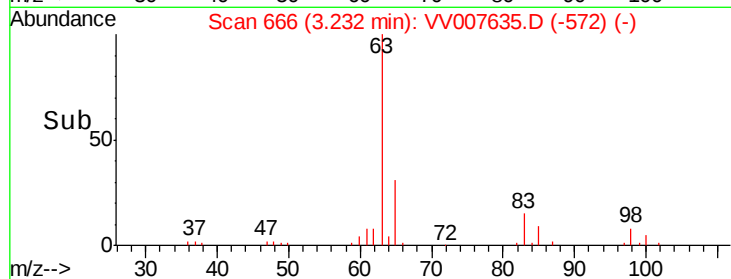
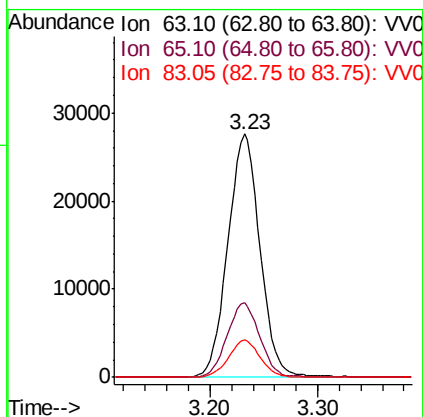
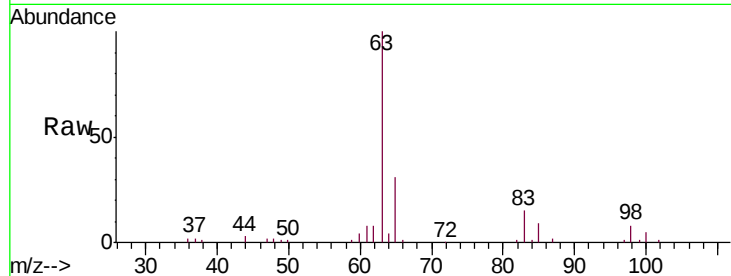




#19
 1,1-Dichloroethane
 Concen: 5.168 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

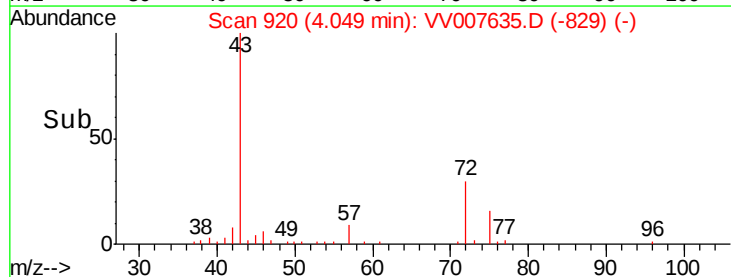
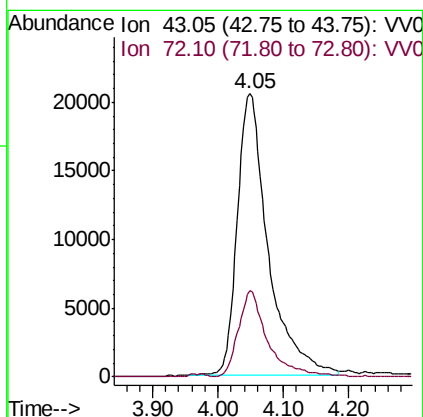
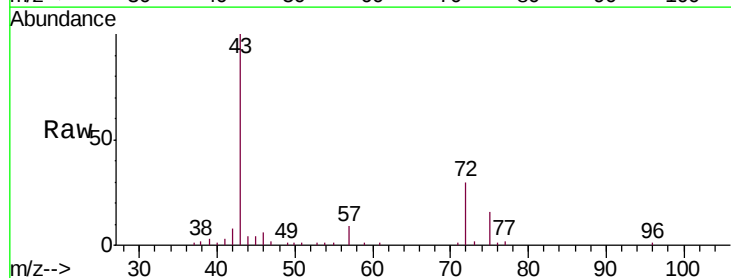
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

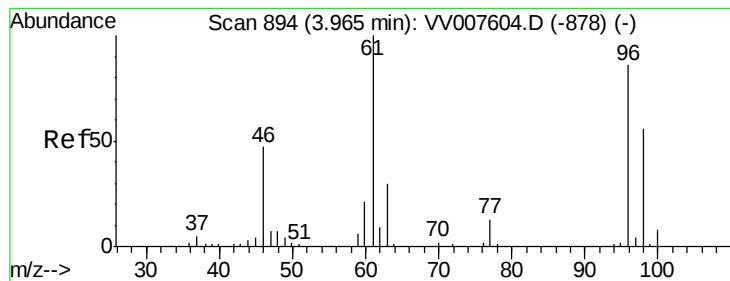
Tgt Ion: 63 Resp: 57241
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.0 42.8
 83 15.4 11.3 20.9



#21
 2-Butanone
 Concen: 67.780 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion: 43 Resp: 67297
 Ion Ratio Lower Upper
 43 100
 72 28.4 13.4 40.2



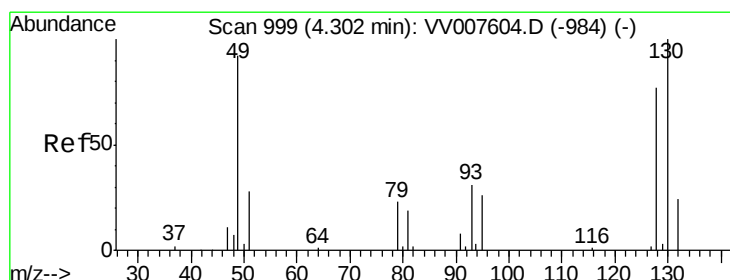
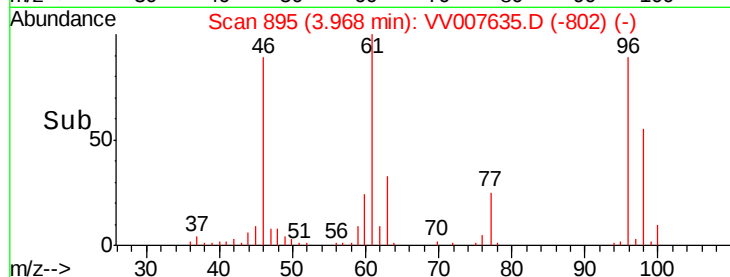
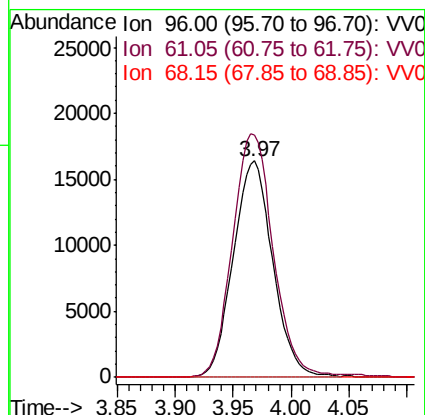
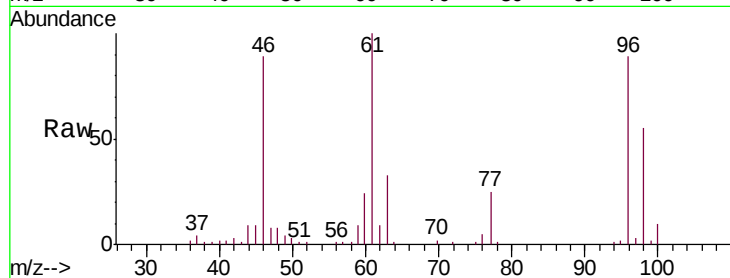


#22

cis-1,2-Dichloroethene
 Concen: 5.010 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

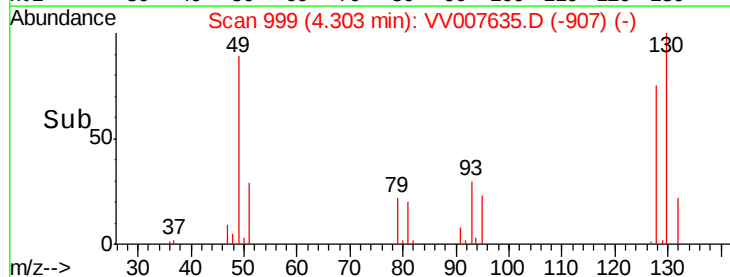
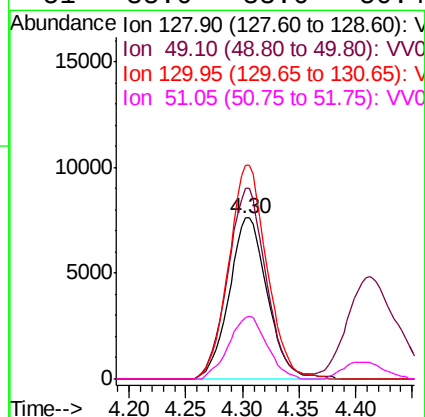
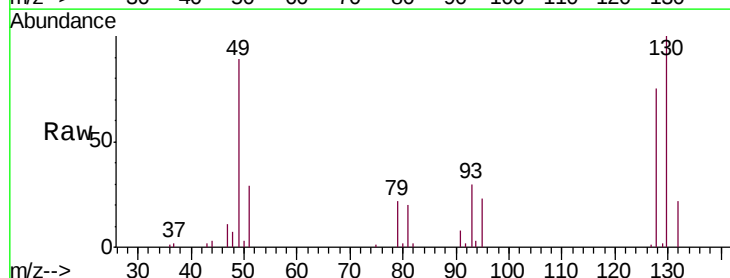
Tgt Ion: 96 Resp: 38804
 Ion Ratio Lower Upper
 96 100
 61 112.2 78.4 145.6
 68 0.0 0.0 0.0

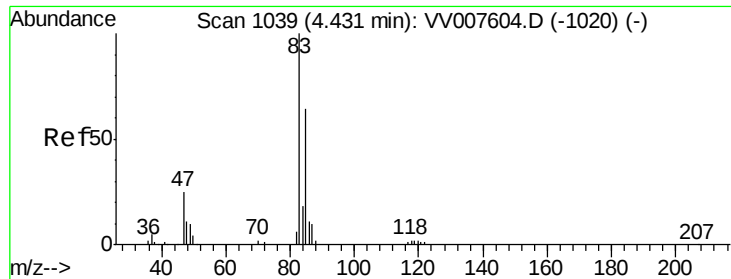


#23

Bromochloromethane
 Concen: 5.104 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion: 128 Resp: 17936
 Ion Ratio Lower Upper
 128 100
 49 118.3 84.1 156.3
 130 132.5 88.9 165.1
 51 38.0 33.6 50.4





#25

Chloroform

Concen: 4.977 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

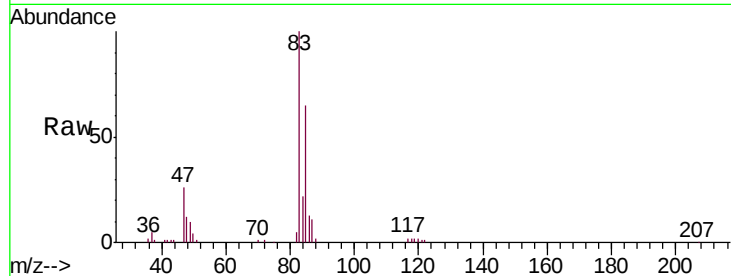
VSTD00569

Tgt Ion: 83 Resp: 65245

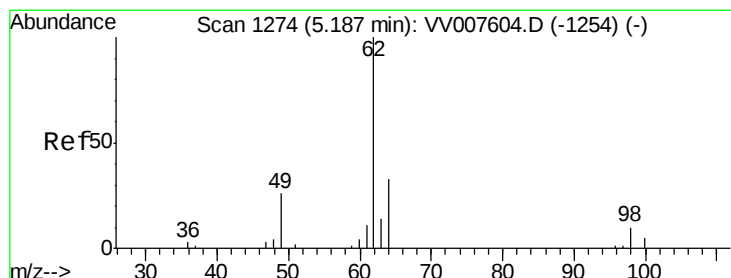
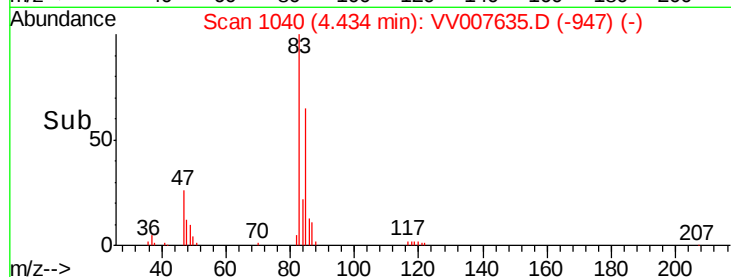
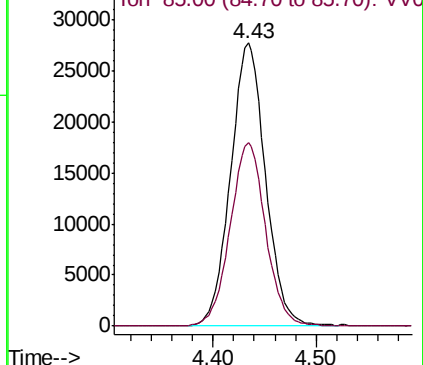
Ion Ratio Lower Upper

83 100

85 64.9 44.5 82.7



Abundance Ion 83.05 (82.75 to 83.75): VV007604.D (-1020) (-)



#27

1,2-Dichloroethane

Concen: 5.224 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV007635.D

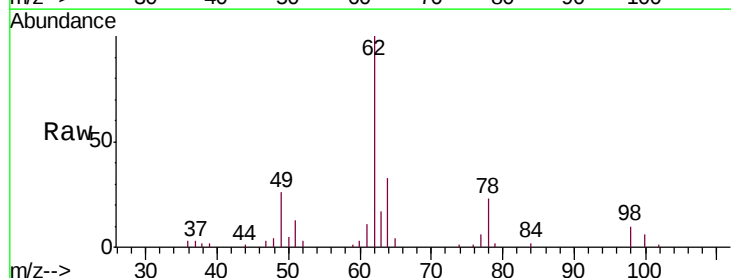
Acq: 19 Sep 2018 06:28

Tgt Ion: 62 Resp: 39120

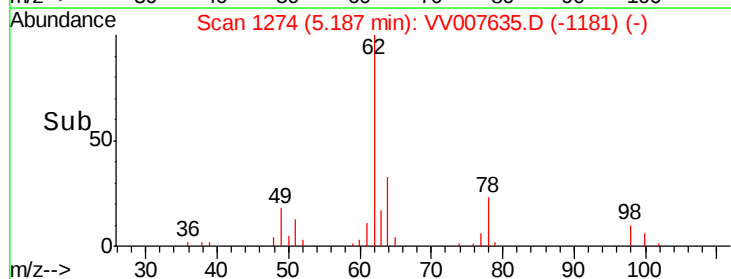
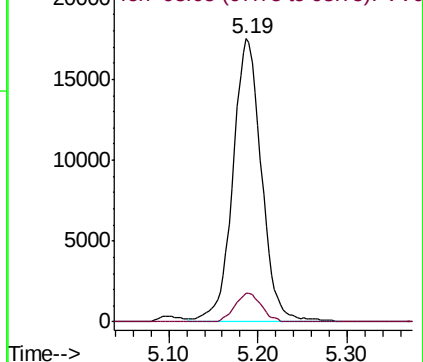
Ion Ratio Lower Upper

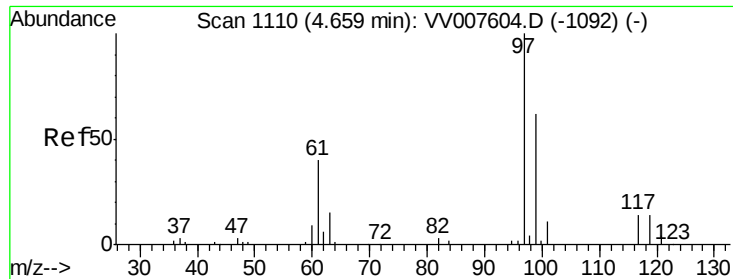
62 100

98 10.0 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV007604.D (-1254) (-)

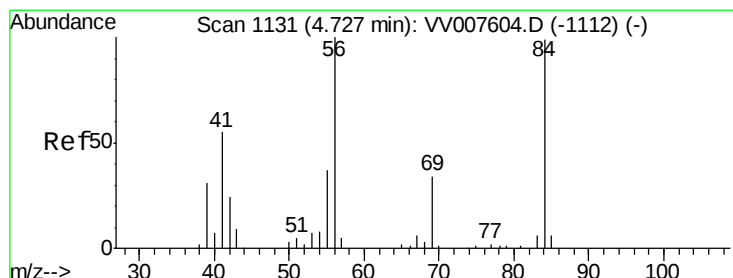
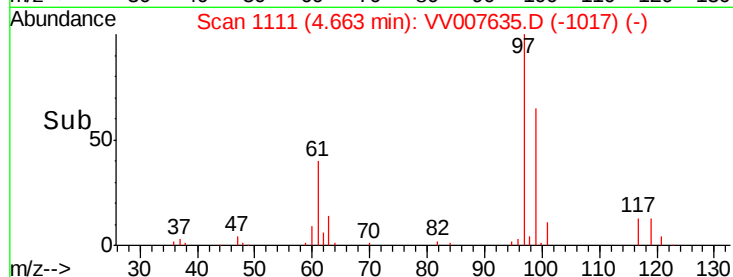
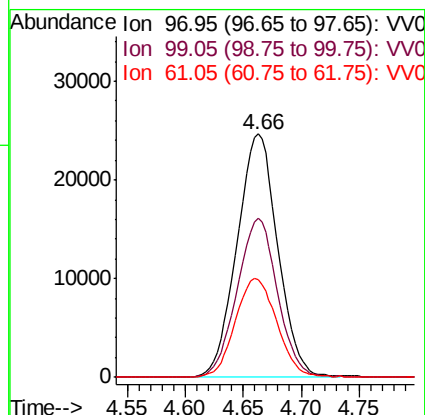
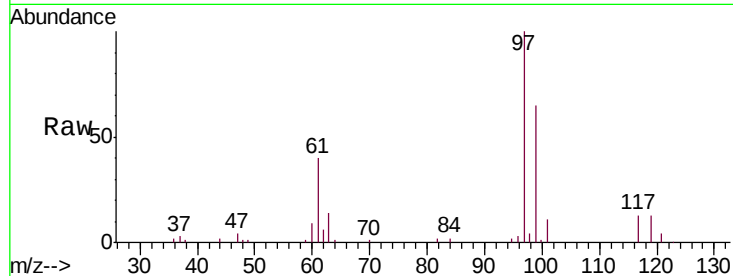




#29
 1,1,1-Trichloroethane
 Concen: 4.911 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

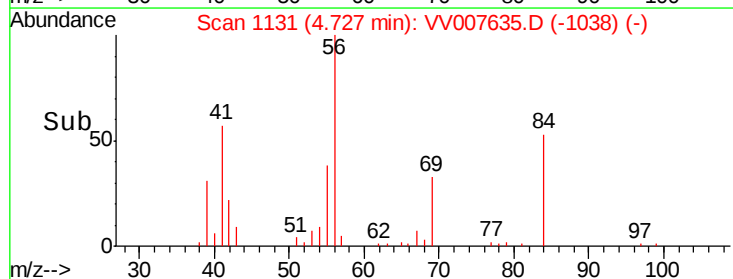
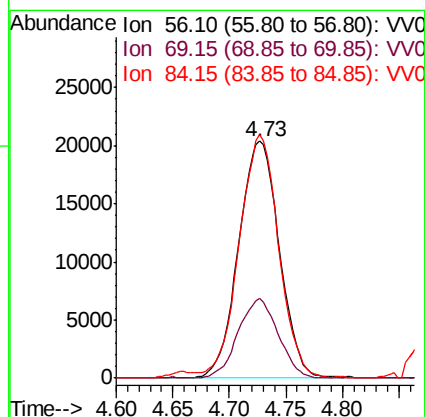
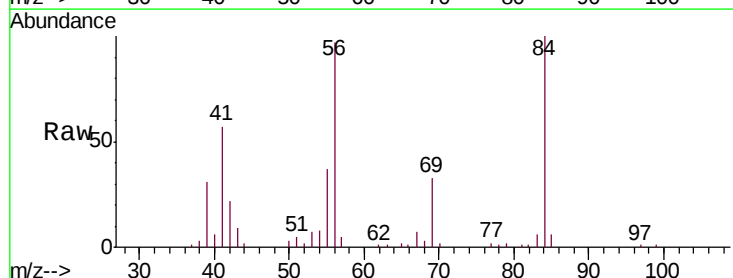
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

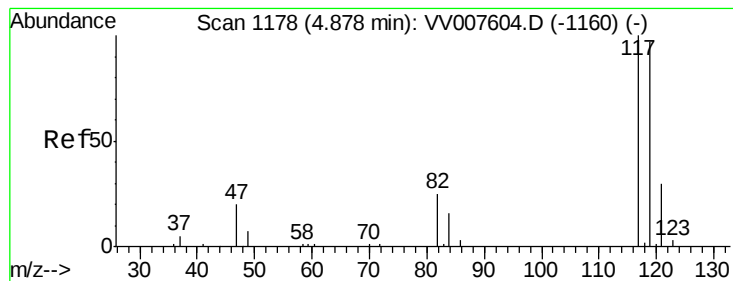
Tgt Ion: 97 Resp: 60359
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.0
 61 41.3 32.9 49.3



#30
 Cyclohexane
 Concen: 4.771 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion: 56 Resp: 51060
 Ion Ratio Lower Upper
 56 100
 69 32.9 26.1 39.1
 84 99.6 79.1 118.7





#31

Carbon tetrachloride

Concen: 4.817 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

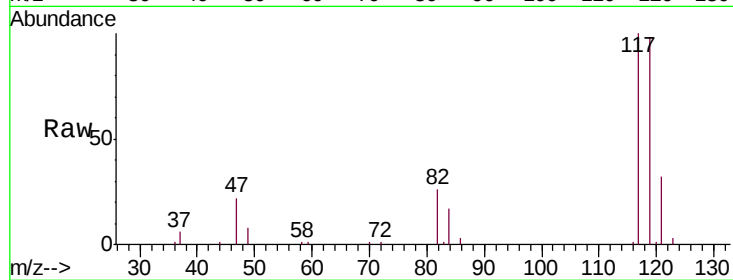
VSTD00569

Tgt Ion:117 Resp: 55374

Ion Ratio Lower Upper

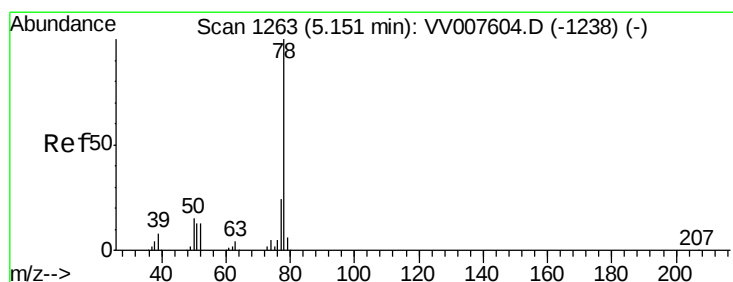
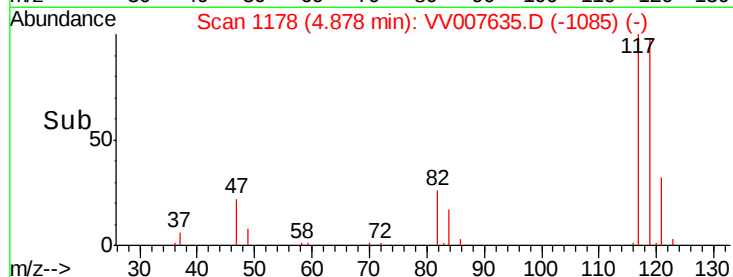
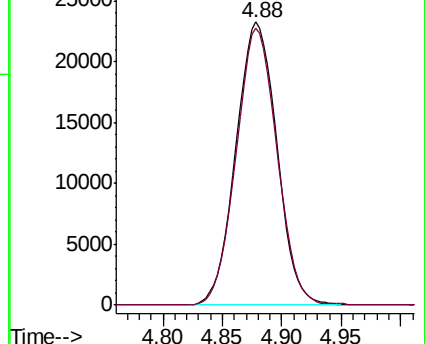
117 100

119 97.4 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.027 ug/L

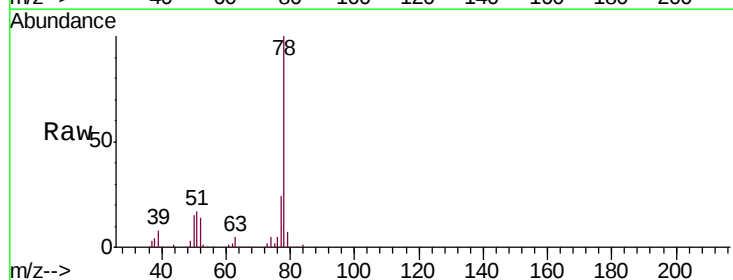
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

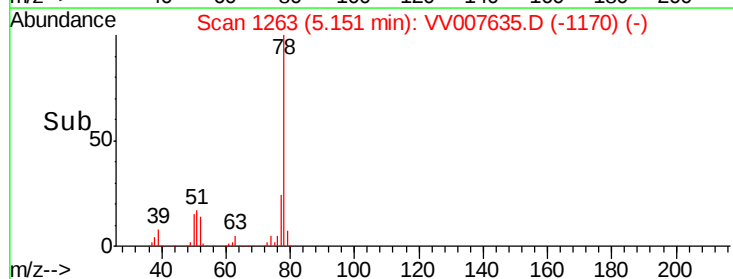
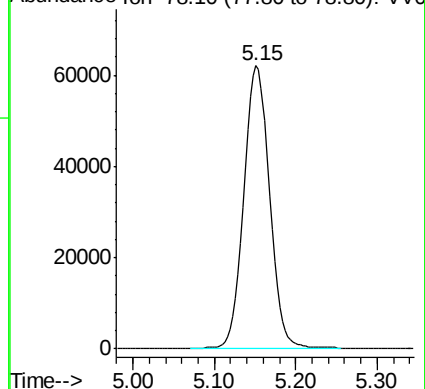
Lab File: VV007635.D

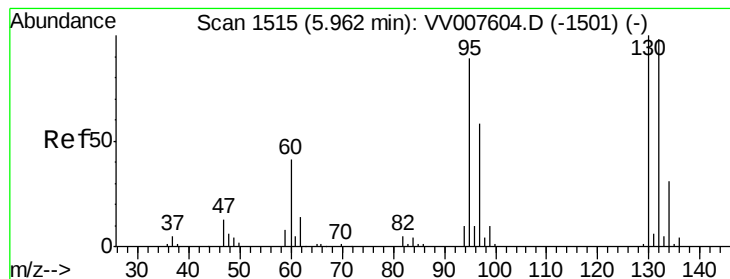
Acq: 19 Sep 2018 06:28

Tgt Ion: 78 Resp: 135643



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.815 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

Tgt Ion: 95 Resp: 43225

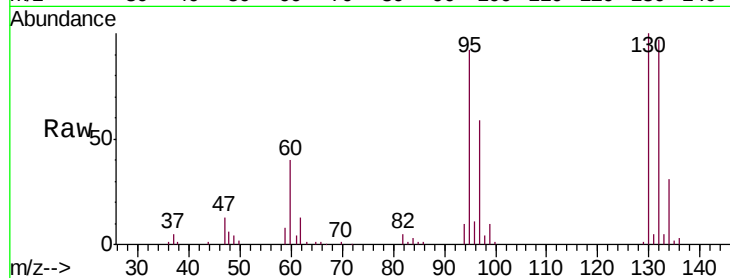
Ion Ratio Lower Upper

95 100

97 63.5 46.5 86.5

132 105.0 75.5 140.3

130 108.1 78.8 146.4

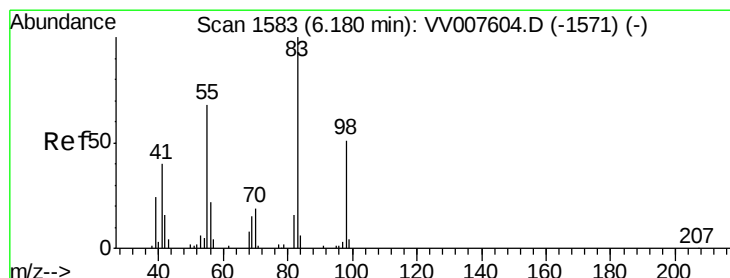
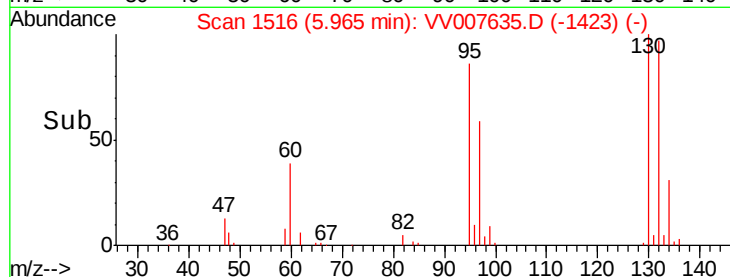
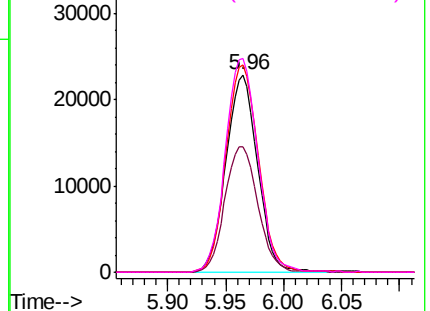


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.744 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

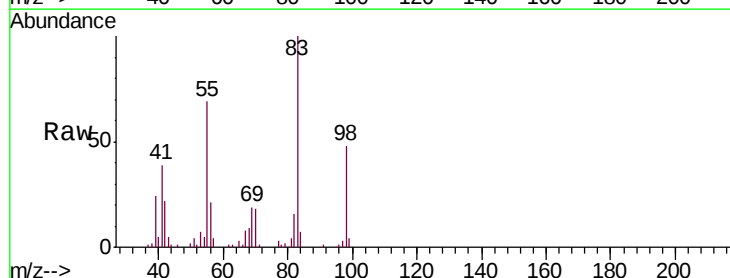
Tgt Ion: 83 Resp: 61817

Ion Ratio Lower Upper

83 100

55 67.6 54.6 82.0

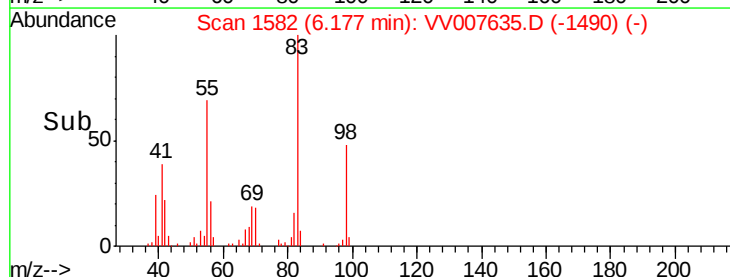
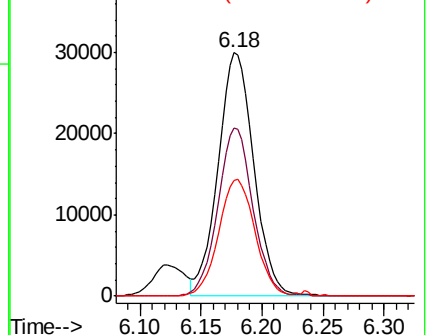
98 48.6 39.8 59.6

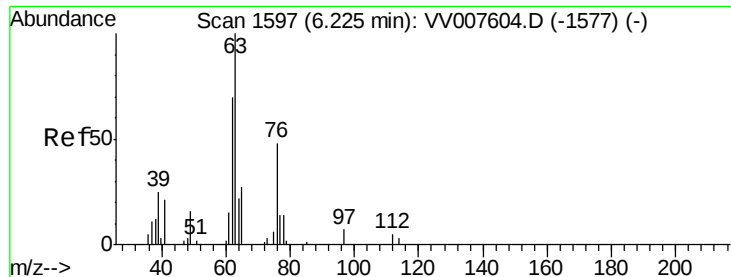


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.292 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

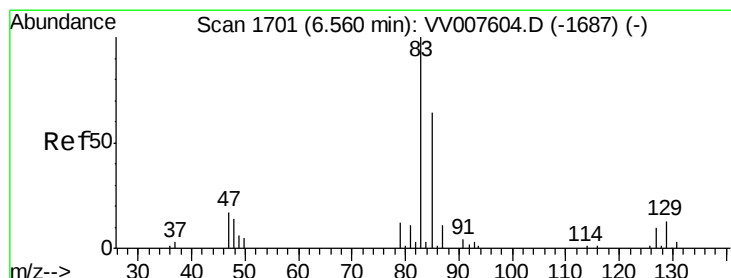
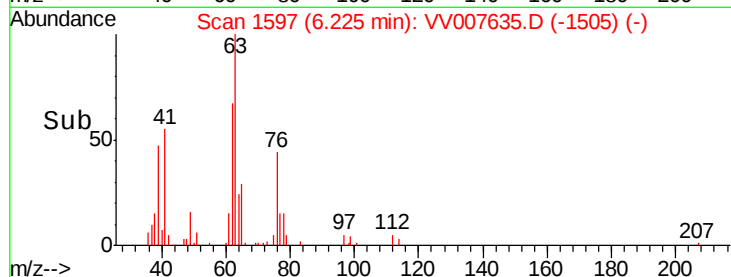
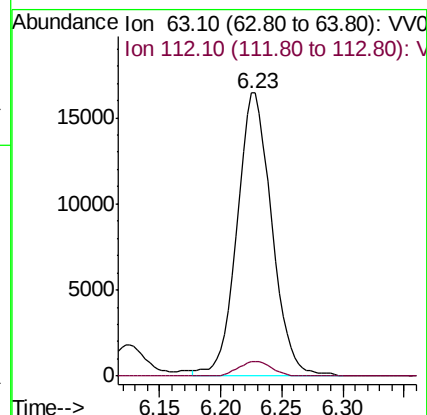
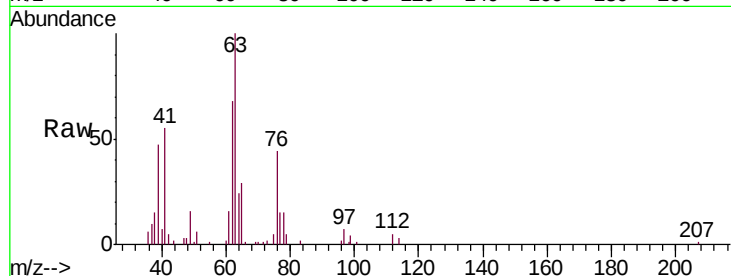
VSTD00569

Tgt Ion: 63 Resp: 32511

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#38

Bromodichloromethane

Concen: 4.800 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

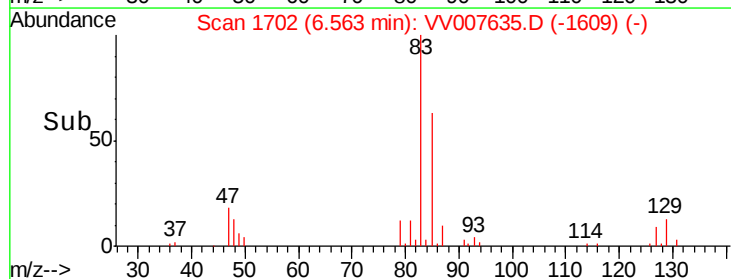
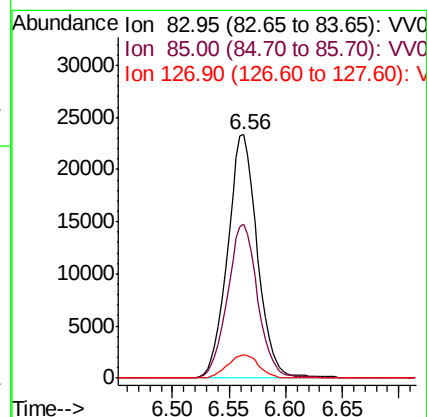
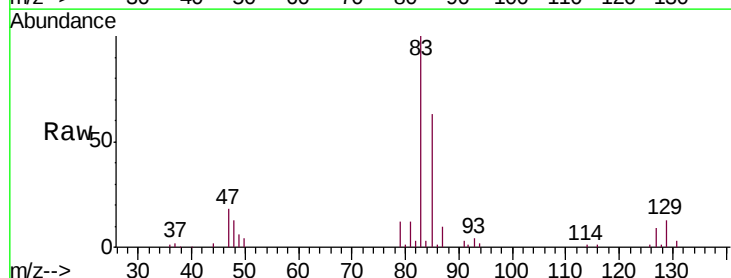
Tgt Ion: 83 Resp: 42666

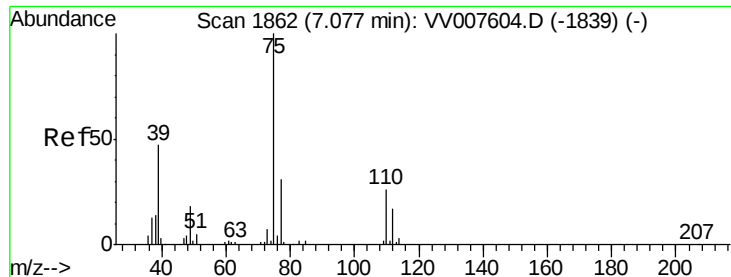
Ion Ratio Lower Upper

83 100

85 63.0 44.7 83.1

127 9.4 8.6 12.8



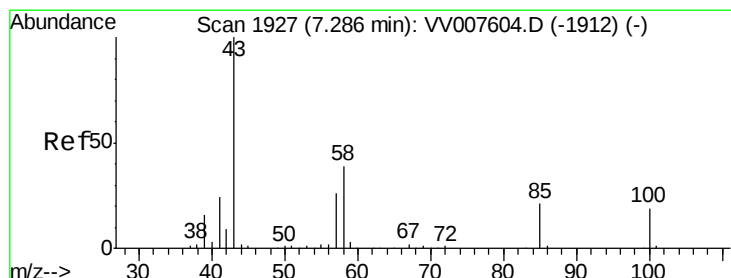
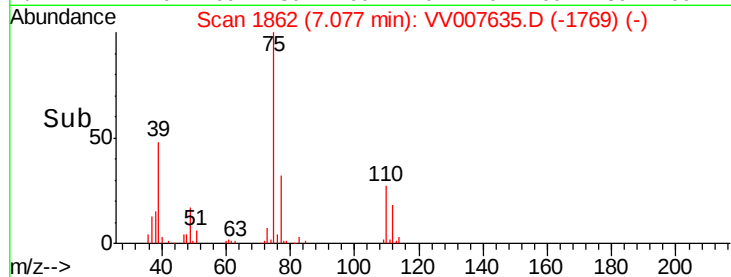
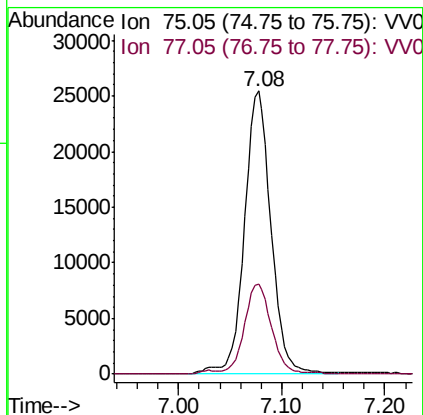
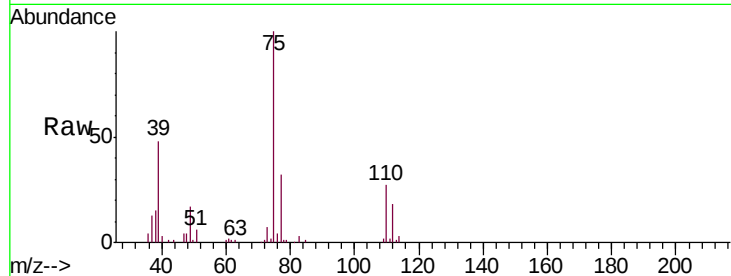


#39

cis-1,3-Dichloropropene
 Concen: 4.499 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

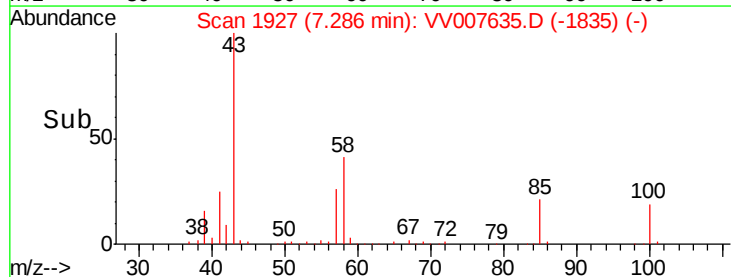
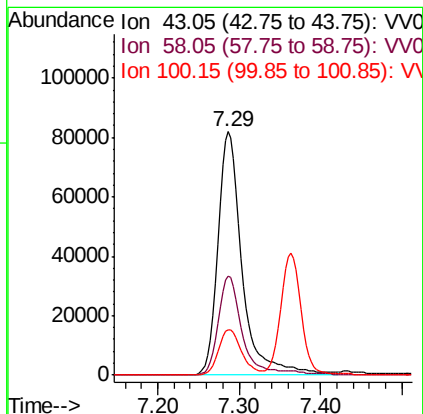
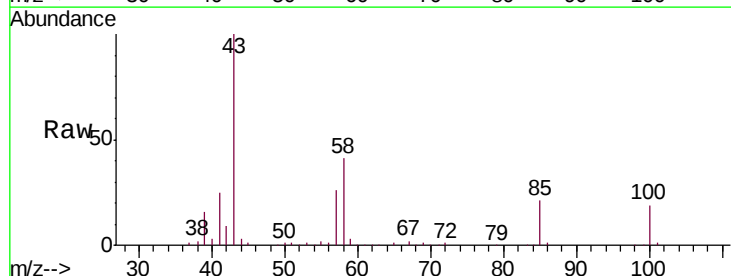
Tgt Ion: 75 Resp: 45639
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.0 42.8

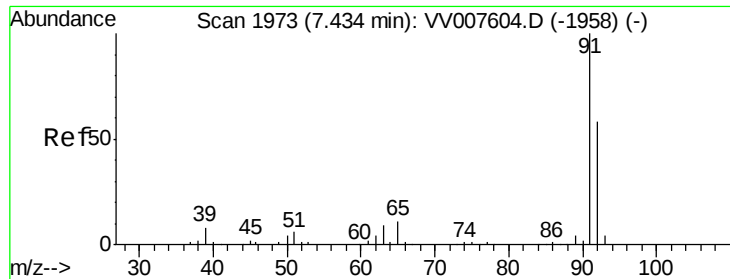


#40

4-Methyl-2-pentanone
 Concen: 48.078 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion: 43 Resp: 172926
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.6 49.0
 100 17.8 13.1 19.7





#42

Toluene

Concen: 4.948 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

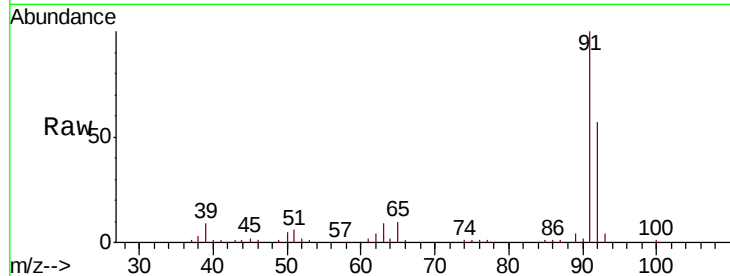
VSTD00569

Tgt Ion: 91 Resp: 154831

Ion Ratio Lower Upper

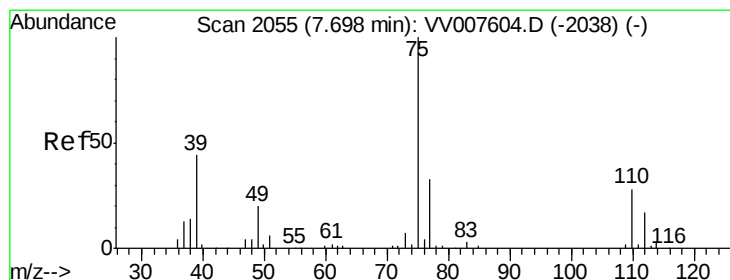
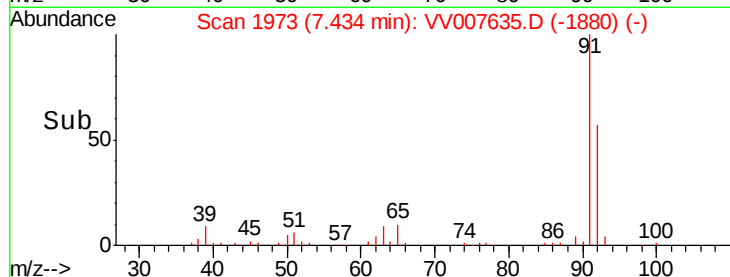
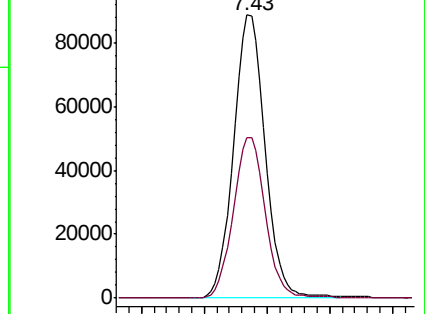
91 100

92 56.6 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007604.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV007604.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.392 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007635.D

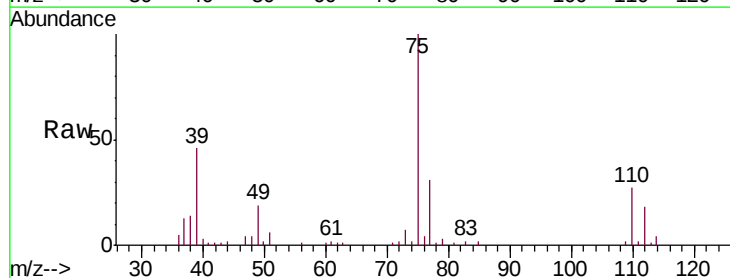
Acq: 19 Sep 2018 06:28

Tgt Ion: 75 Resp: 35702

Ion Ratio Lower Upper

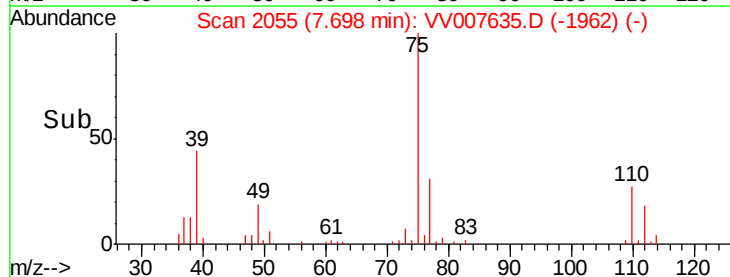
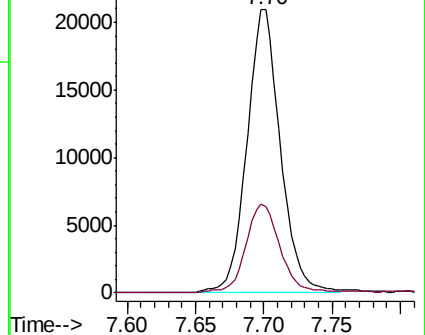
75 100

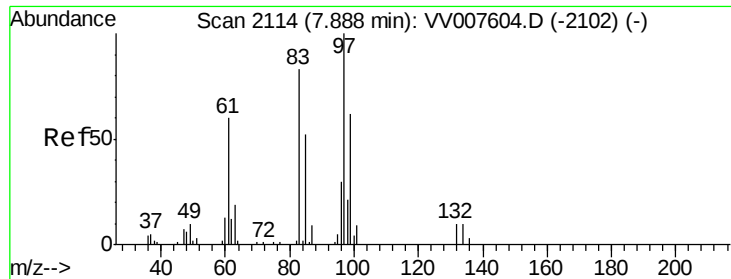
77 31.3 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007604.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007604.D (-2038) (-)

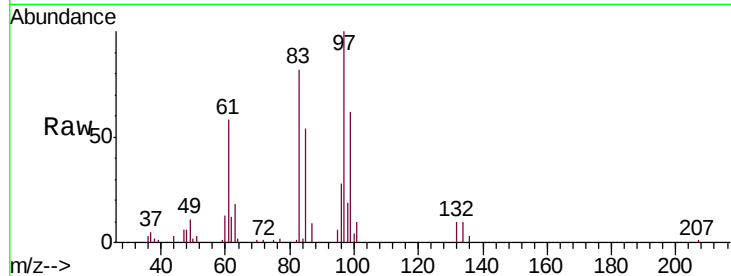




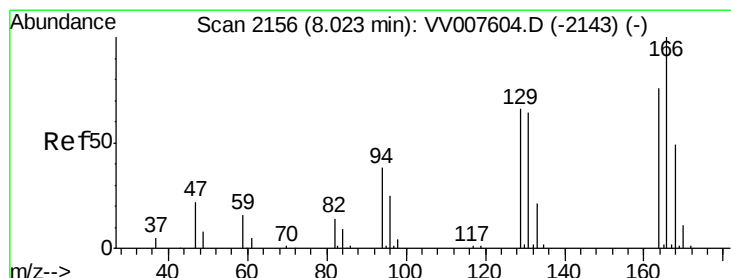
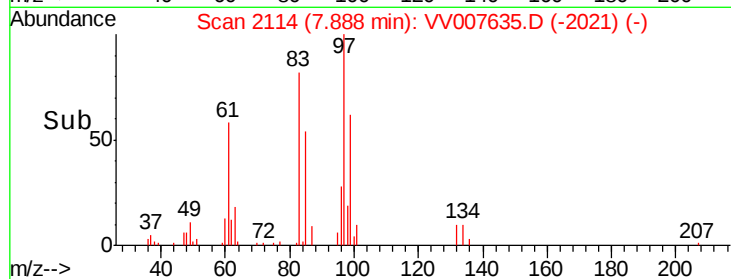
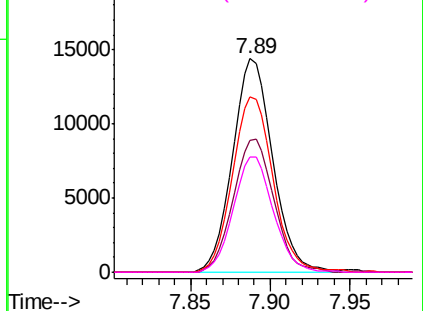
#45
 1,1,2-Trichloroethane
 Concen: 4.922 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:	97	Resp:	24620
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.9	85.3
83	82.0	57.2	106.2
85	54.1	38.9	72.3

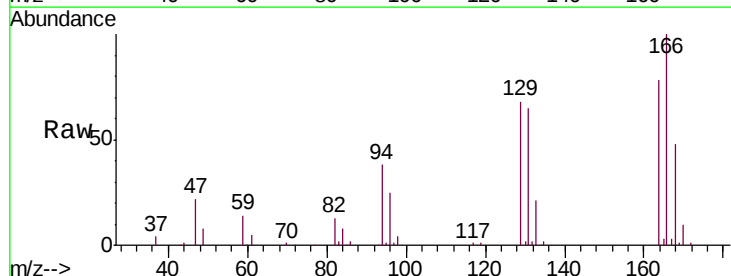


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

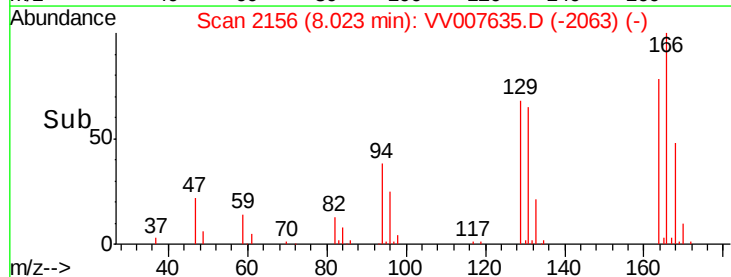
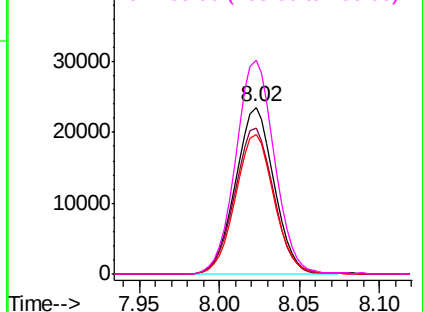


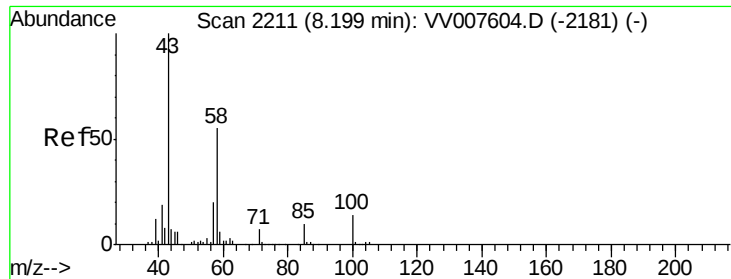
#47
 Tetrachloroethene
 Concen: 4.775 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion:	164	Resp:	38631
Ion	Ratio	Lower	Upper
164	100		
129	87.5	60.0	111.4
131	83.8	58.8	109.2
166	128.3	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

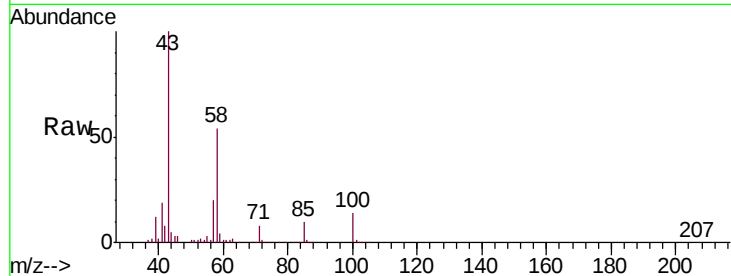




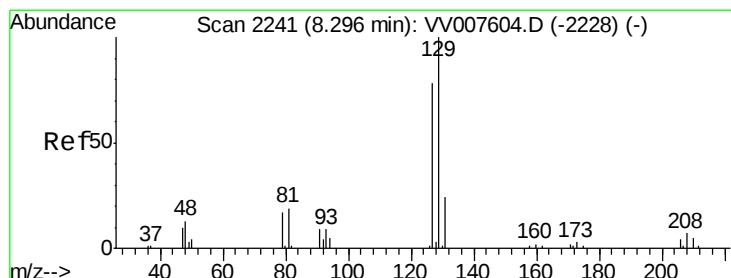
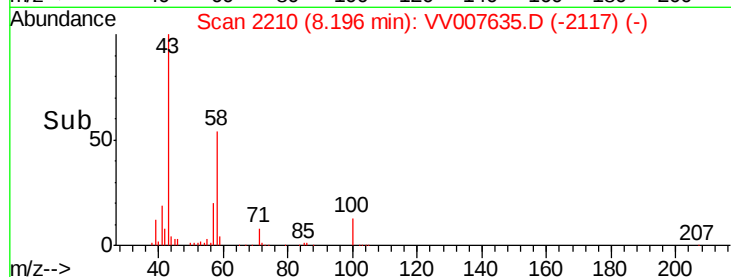
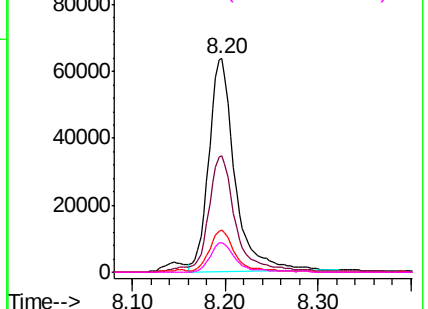
#48
2-Hexanone
Concen: 44.631 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV007635.D
Acq: 19 Sep 2018 06:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion:	43	Resp:	123722
Ion	Ratio	Lower	Upper
43	100		
58	58.4	45.5	68.3
57	19.2	16.3	24.5
100	13.8	10.7	16.1

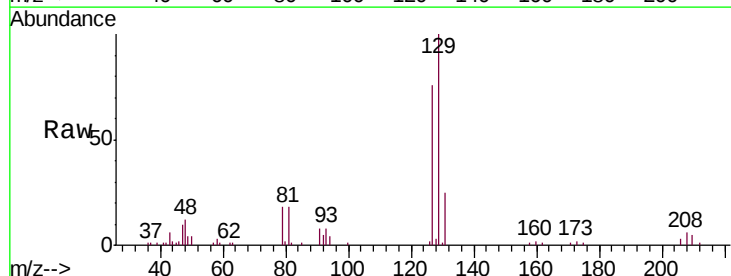


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

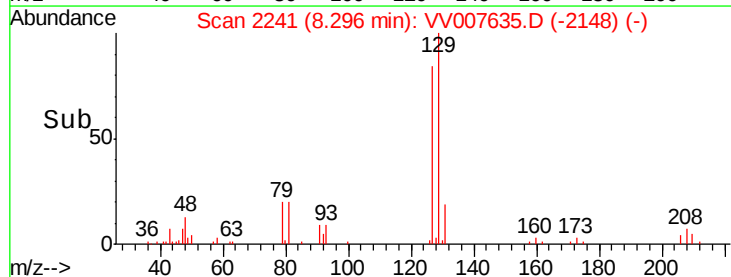
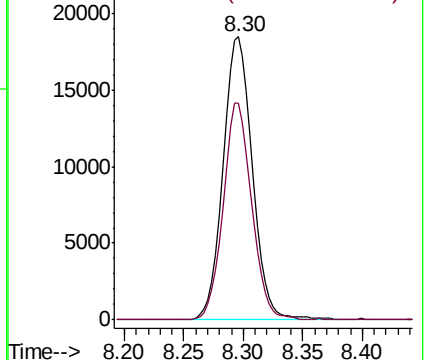


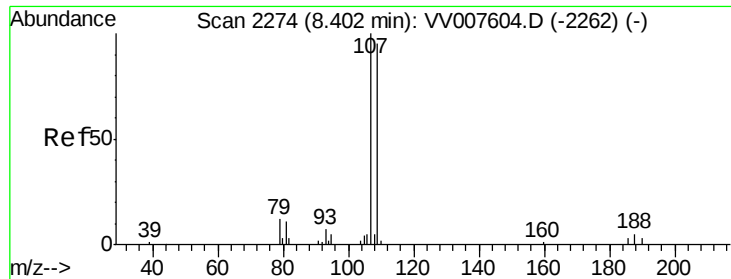
#49
Dibromochloromethane
Concen: 4.765 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007635.D
Acq: 19 Sep 2018 06:28

Tgt Ion:	129	Resp:	31527
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.949 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

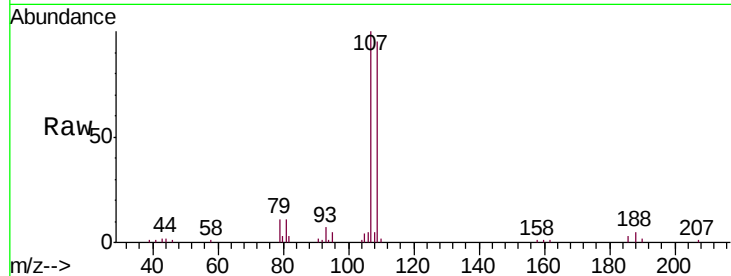
Tgt Ion:107 Resp: 24585

Ion Ratio Lower Upper

107 100

109 94.9 63.8 118.6

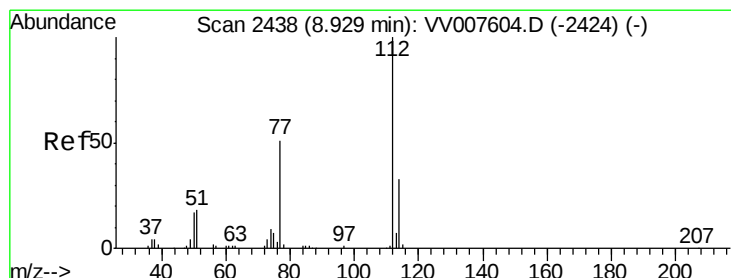
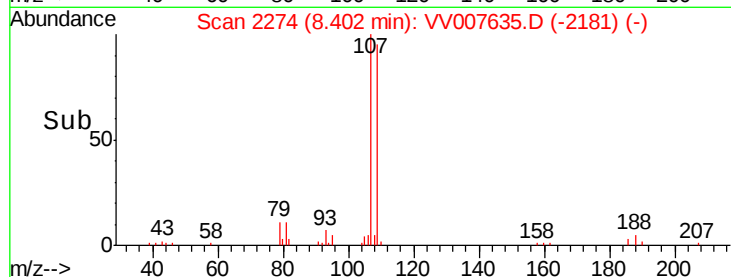
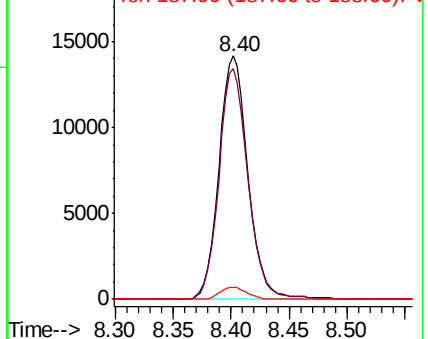
188 4.9 3.6 5.4



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.971 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

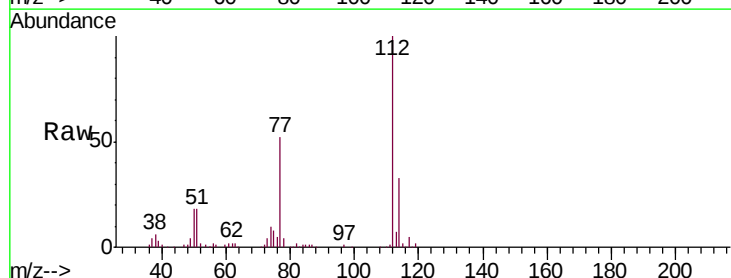
Tgt Ion:112 Resp: 107834

Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.5

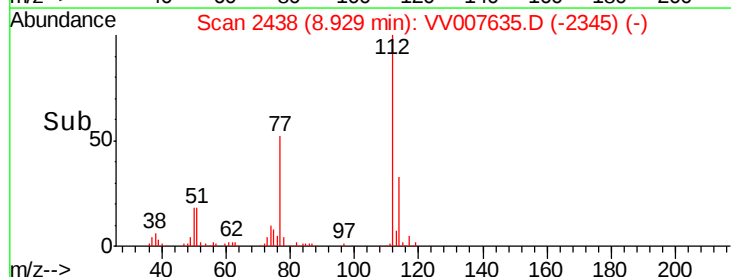
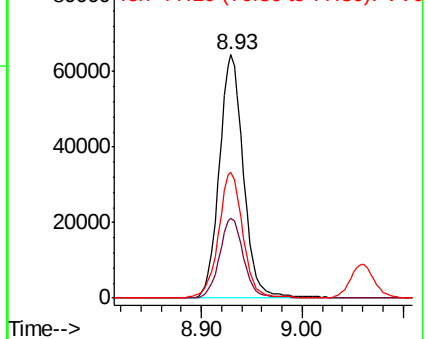
77 51.7 42.0 63.0

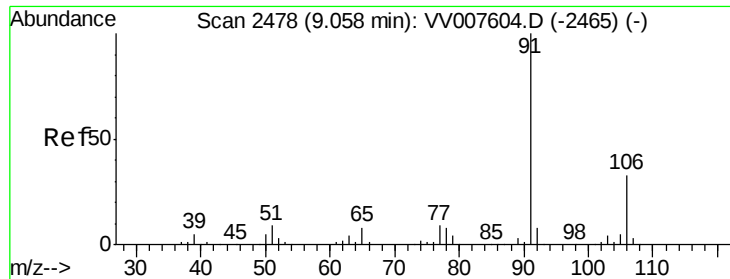


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.850 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

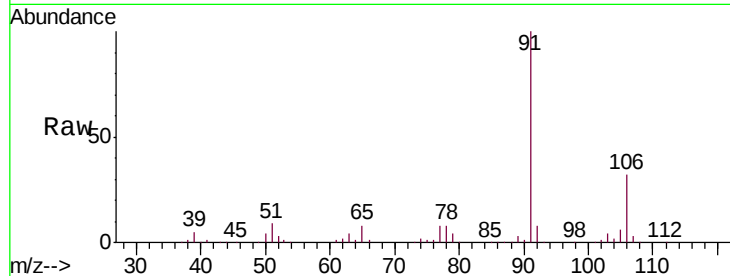
VSTD00569

Tgt Ion: 91 Resp: 172603

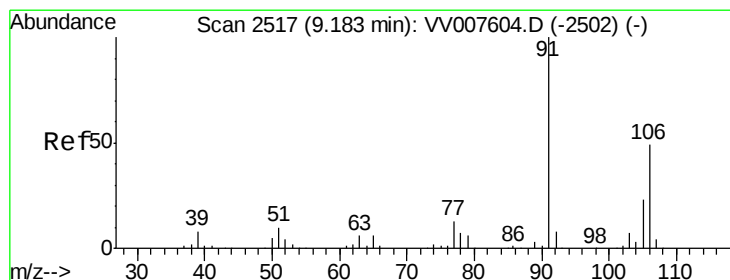
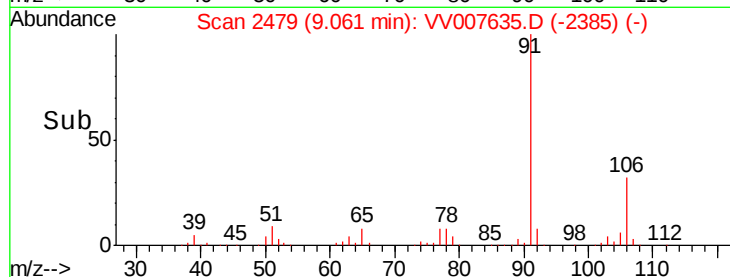
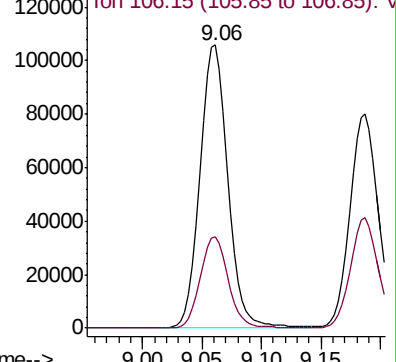
Ion Ratio Lower Upper

91 100

106 32.3 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VV007604.D (-2465) (-)



#53

m,p-xylene

Concen: 4.645 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007635.D

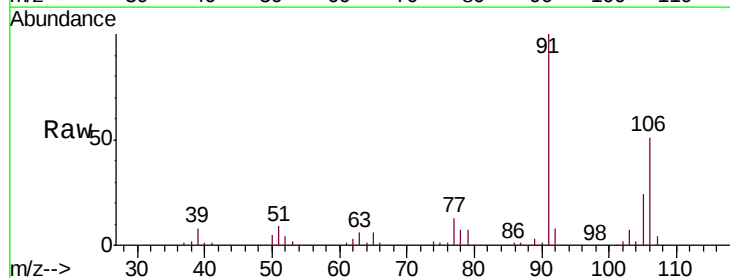
Acq: 19 Sep 2018 06:28

Tgt Ion: 106 Resp: 66478

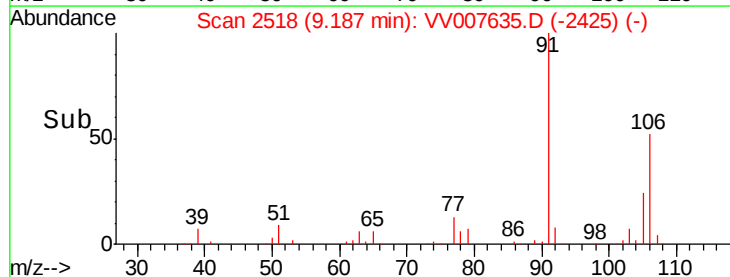
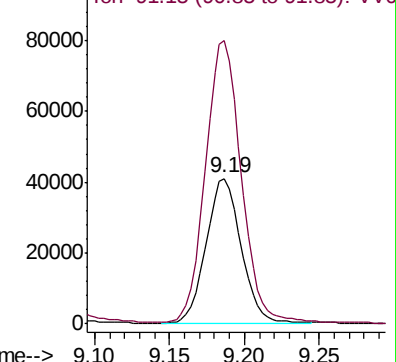
Ion Ratio Lower Upper

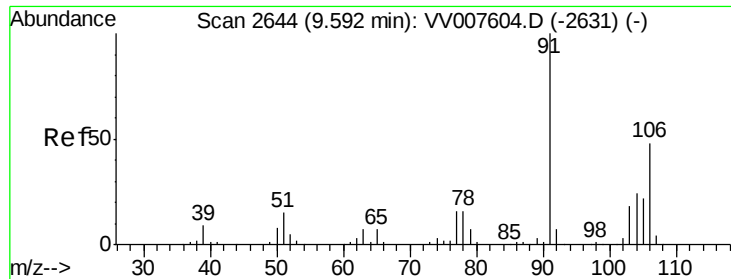
106 100

91 194.4 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007604.D (-2502) (-)





#54

o-xylene

Concen: 5.006 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

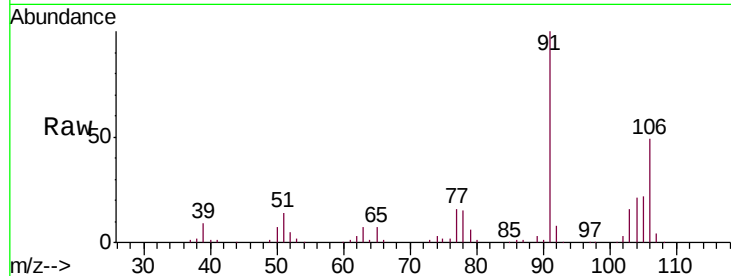
VSTD00569

Tgt Ion:106 Resp: 67247

Ion Ratio Lower Upper

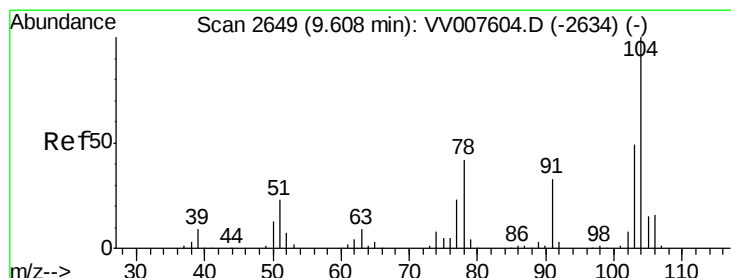
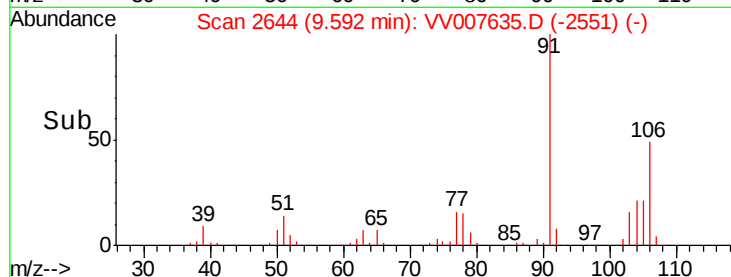
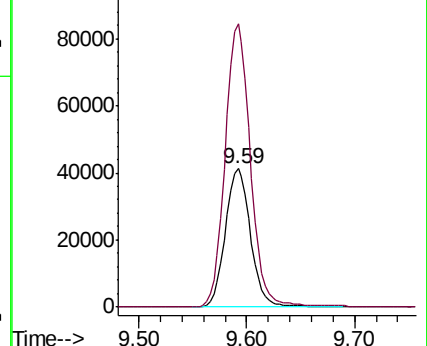
106 100

91 204.8 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.899 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007635.D

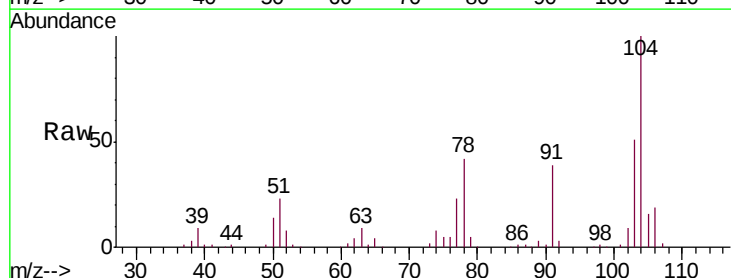
Acq: 19 Sep 2018 06:28

Tgt Ion:104 Resp: 109657

Ion Ratio Lower Upper

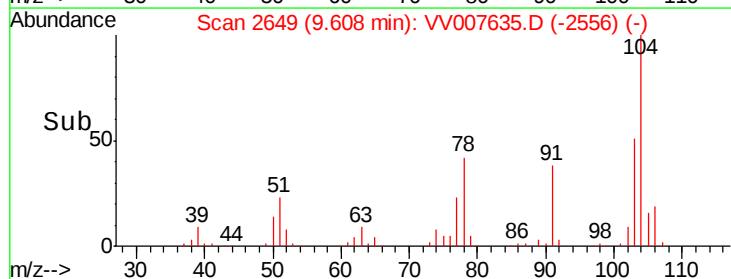
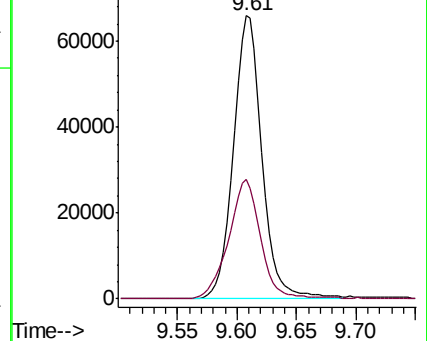
104 100

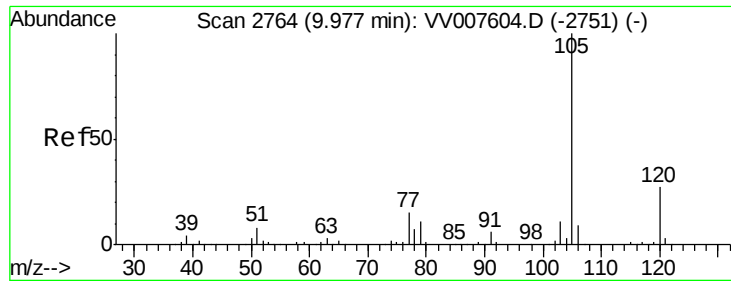
78 42.0 29.7 55.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.818 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

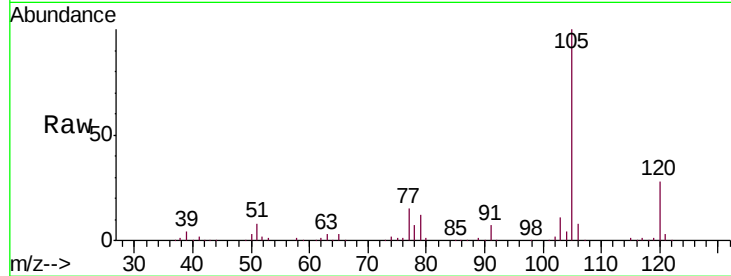
Tgt Ion: 105 Resp: 179642

Ion Ratio Lower Upper

105 100

120 27.8 22.1 33.1

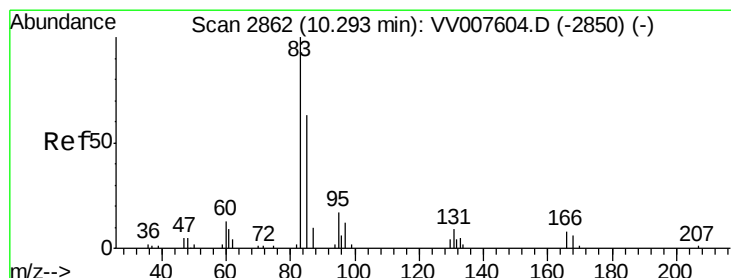
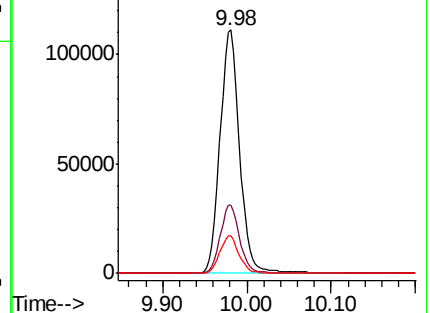
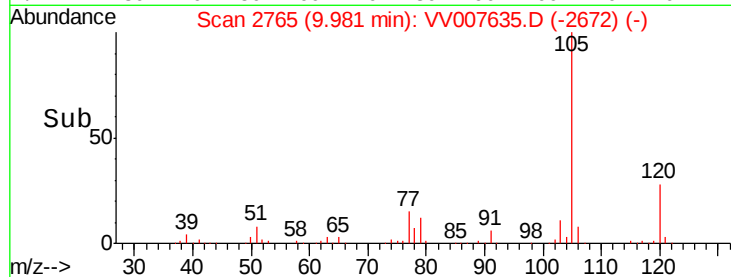
77 15.1 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.832 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

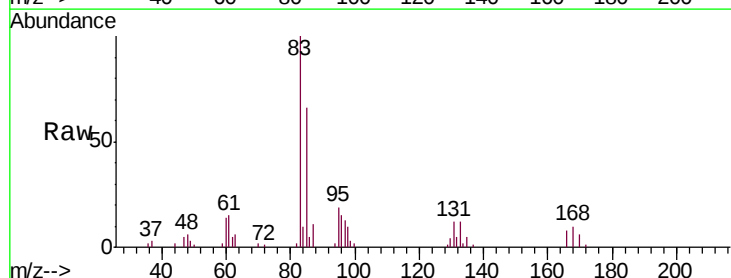
Tgt Ion: 83 Resp: 21919

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.5

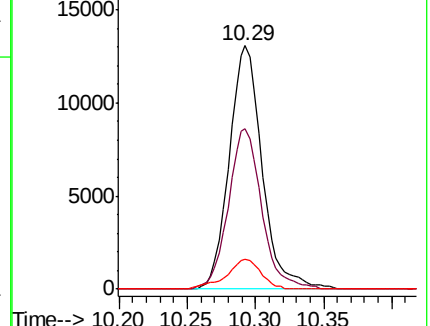
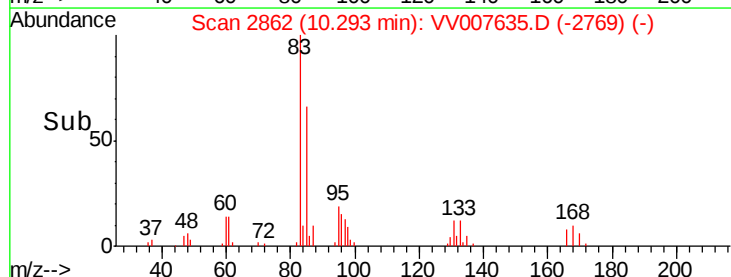
131 12.1 9.0 13.6

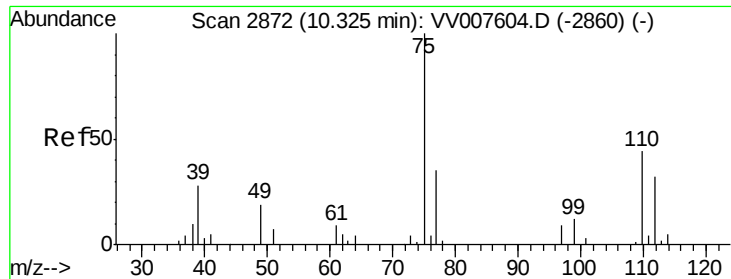


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

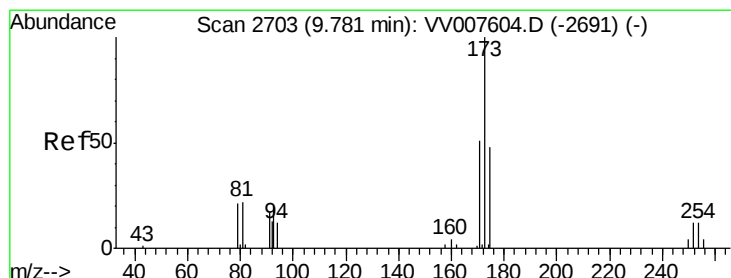
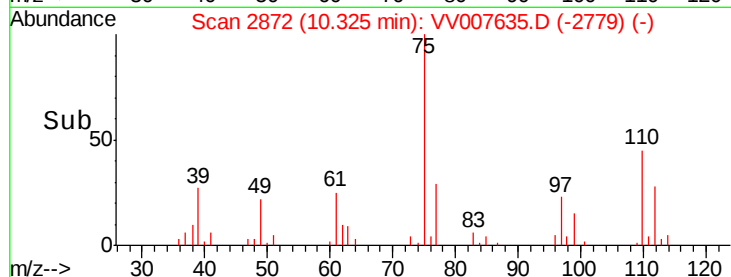
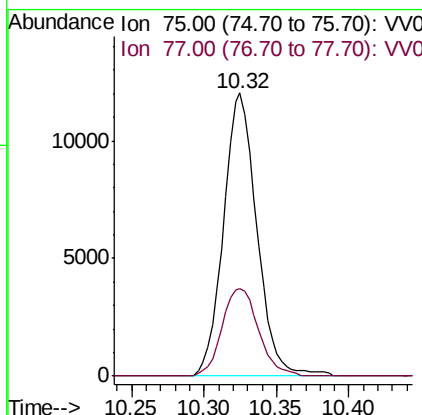
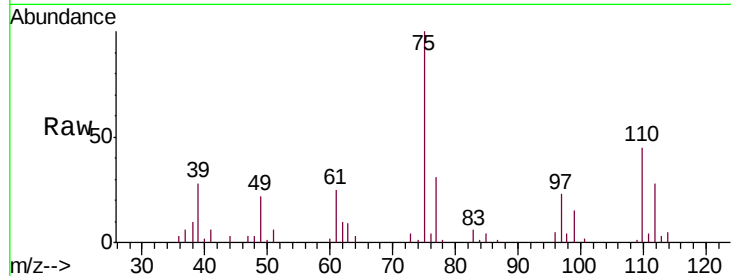




#59
 1,2,3-Trichloropropane
 Concen: 4.677 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

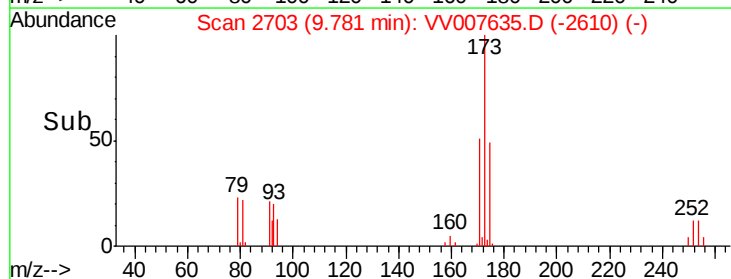
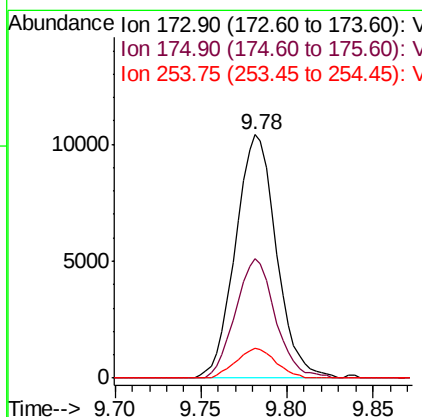
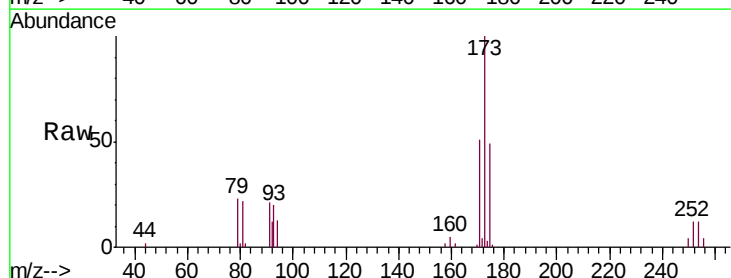
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

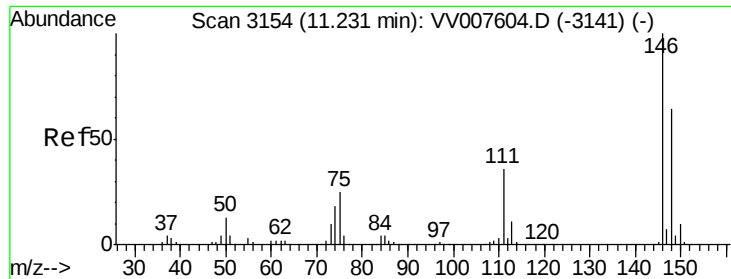
Tgt Ion: 75 Resp: 19204
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.0 37.4



#61
 Bromoform
 Concen: 4.477 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion: 173 Resp: 17214
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.4
 254 11.8 8.9 13.3

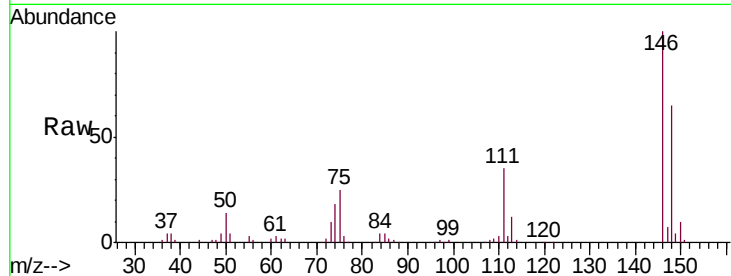




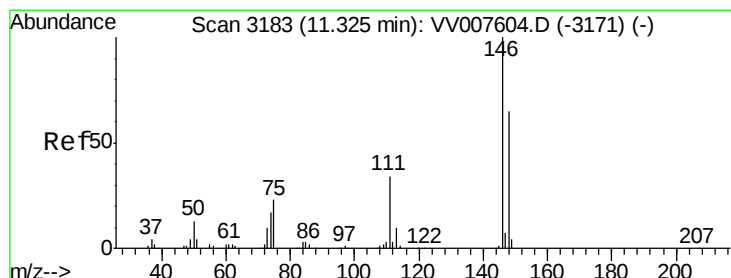
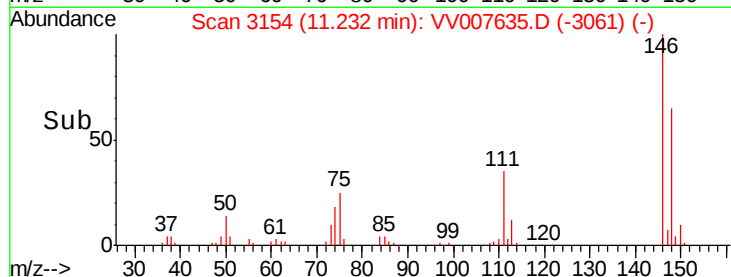
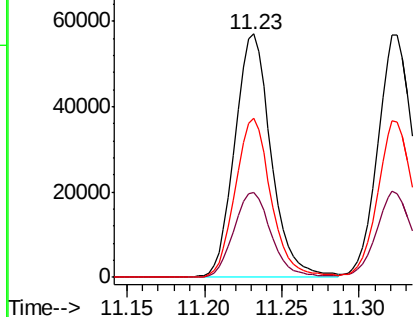
#62
 1,3-Dichlorobenzene
 Concen: 4.857 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:146 Resp: 93140
 Ion Ratio Lower Upper
 146 100
 111 34.8 25.0 46.4
 148 65.2 44.6 82.8

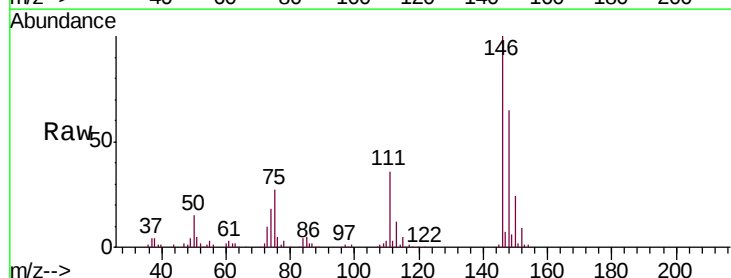


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

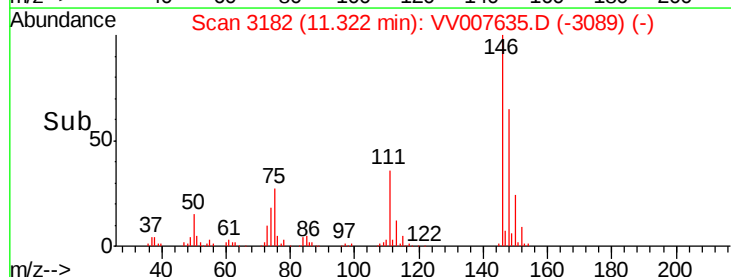
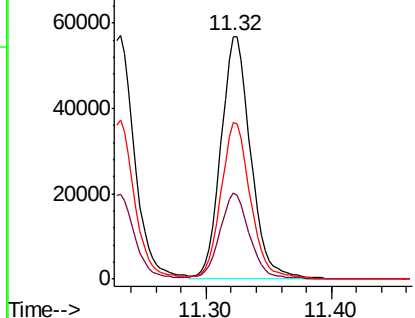


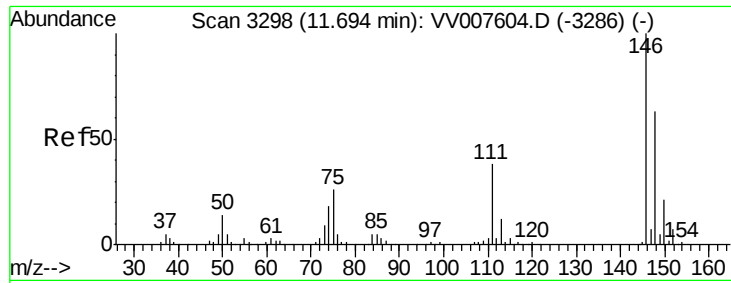
#63
 1,4-Dichlorobenzene
 Concen: 4.991 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion:146 Resp: 94493
 Ion Ratio Lower Upper
 146 100
 111 35.6 24.5 45.5
 148 64.7 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.922 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

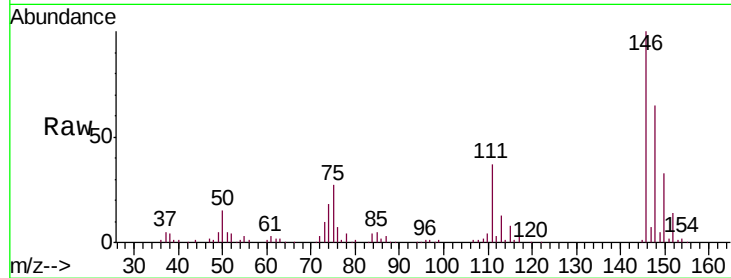
Tgt Ion:146 Resp: 86565

Ion Ratio Lower Upper

146 100

111 37.2 30.6 46.0

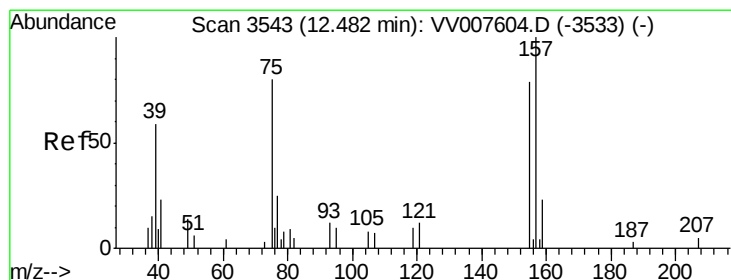
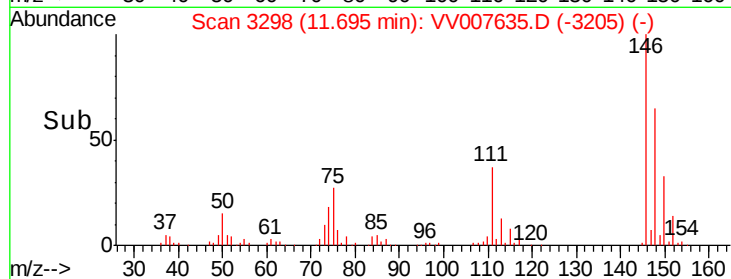
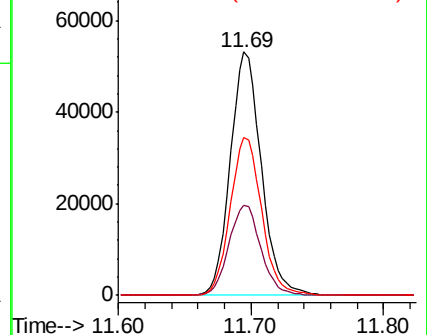
148 64.9 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.512 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

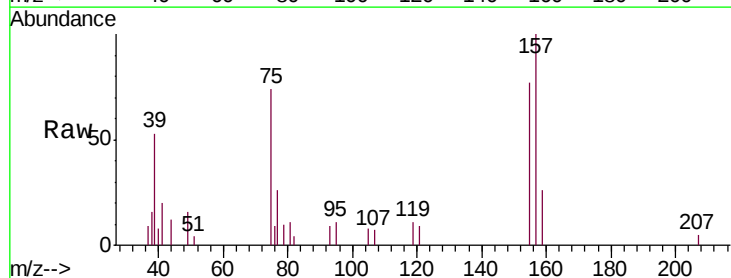
Tgt Ion: 75 Resp: 3352

Ion Ratio Lower Upper

75 100

155 103.5 79.1 118.7

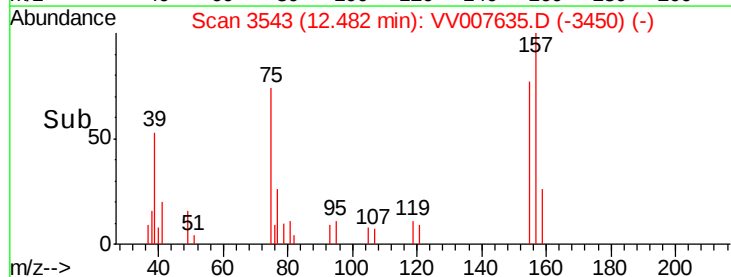
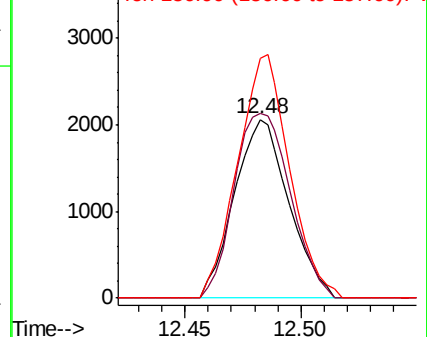
157 134.4 109.8 164.6

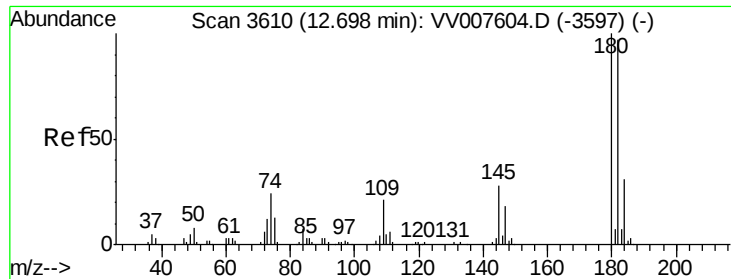


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

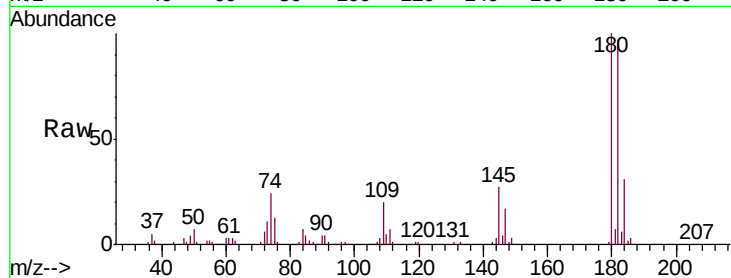




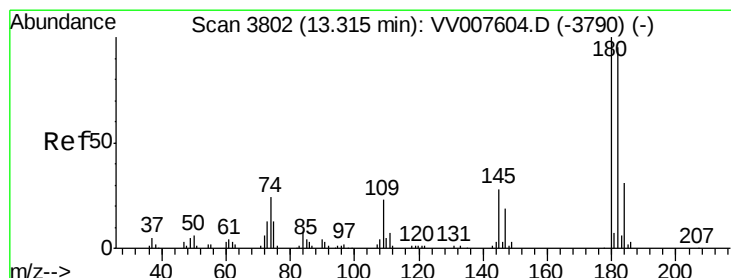
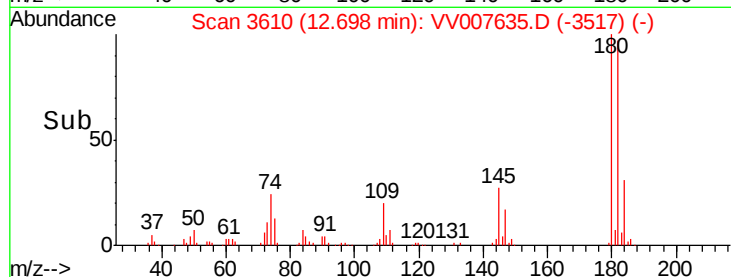
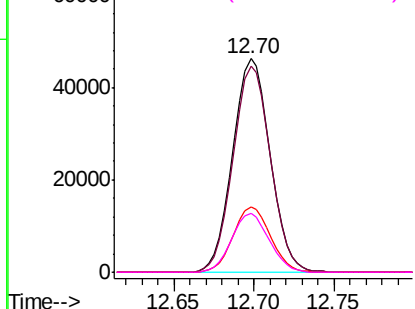
#67
 1,3,5-Trichlorobenzene
 Concen: 4.869 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:180 Resp: 73751
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.4 113.2
 184 30.5 24.6 36.8
 145 27.4 21.4 32.0

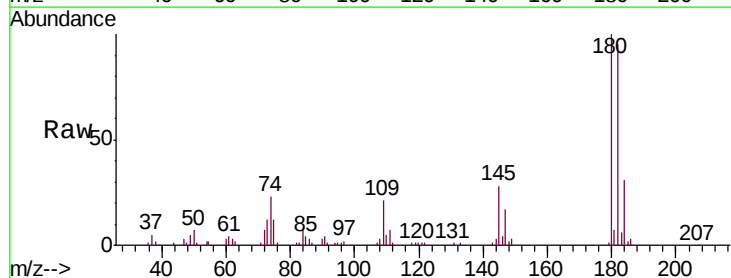


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

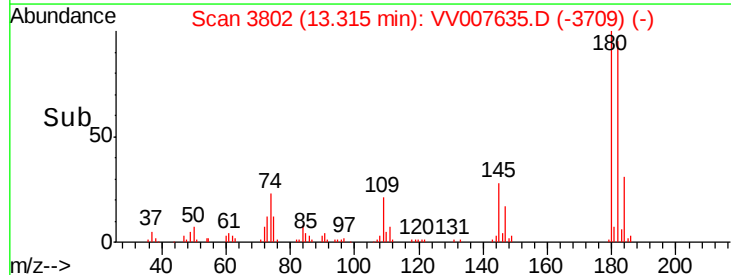
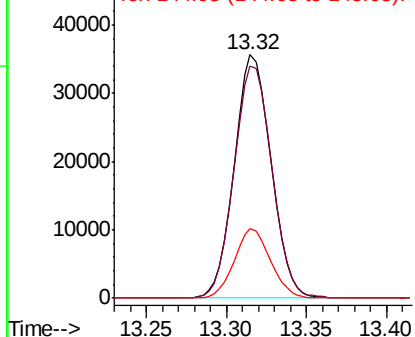


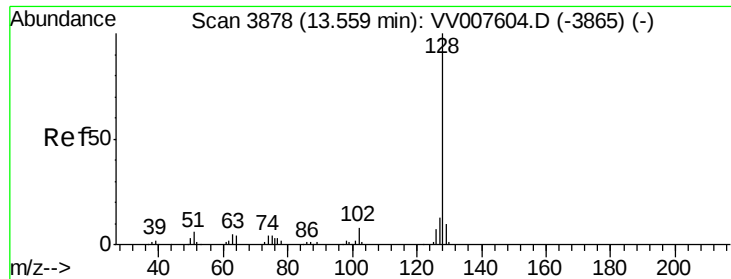
#68
 1,2,4-trichlorobenzene
 Concen: 5.239 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007635.D
 Acq: 19 Sep 2018 06:28

Tgt Ion:180 Resp: 55688
 Ion Ratio Lower Upper
 180 100
 182 98.5 77.9 116.9
 145 27.8 23.1 34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.228 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

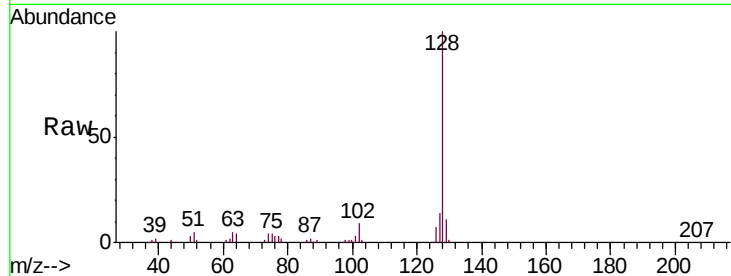
Tgt Ion:128 Resp: 64890

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

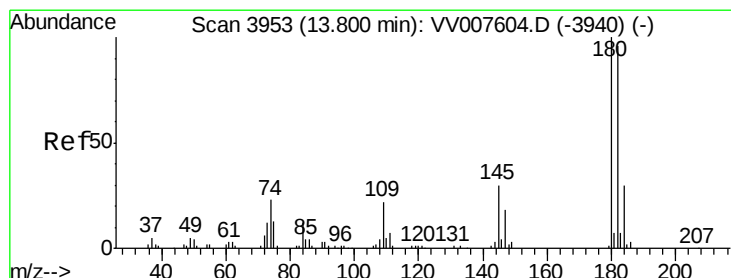
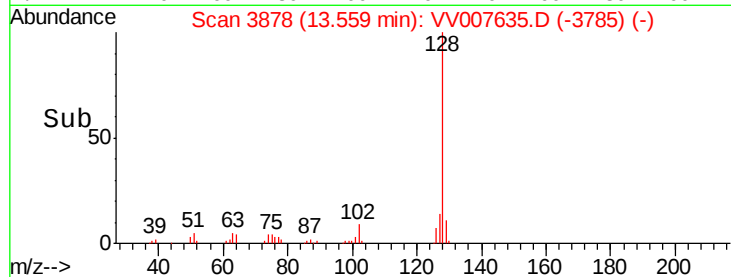
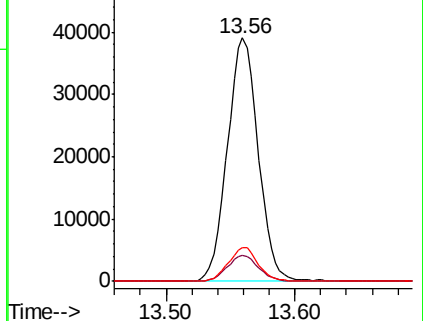
127 13.3 10.4 15.6



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: 5.151 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007635.D

Acq: 19 Sep 2018 06:28

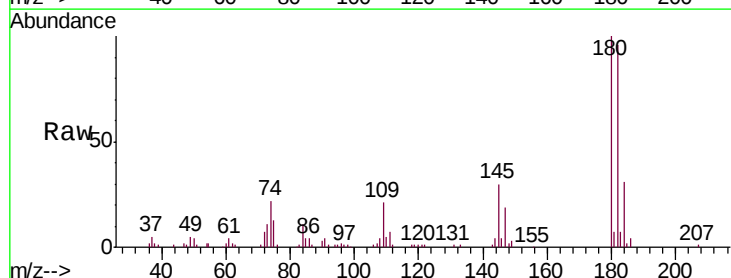
Tgt Ion:180 Resp: 50307

Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 30.0 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

