

Data File : VV007599.D
Acq On : 18 Sep 2018 12:35
Operator : SY/MD
Sample : VSTD01069
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01069

Quant Time: Sep 19 01:27:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:25:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	125289	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	116351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66197	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59735	9.23	ug/L	0.00
7) Chloroethane-d5	1.59	69	53815	9.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	142424	10.30	ug/L	0.00
20) 2-Butanone-d5	3.97	46	91891	102.08	ug/L	0.00
24) Chloroform-d	4.41	84	131039	9.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	63683	9.79	ug/L	0.00
32) Benzene-d6	5.10	84	250078	9.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	72190	9.32	ug/L	0.00
41) Toluene-d8	7.36	98	266737	9.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	33216	9.36	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	65651	114.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	54194	10.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	113117	9.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96870	13.125 ug/L	98
3) Chloromethane	1.25	50	71803	11.517 ug/L	98
5) Vinyl chloride	1.33	62	82897	11.928 ug/L	99
6) Bromomethane	1.54	94	60829	12.250 ug/L	100
8) Chloroethane	1.60	64	51447	12.080 ug/L	99
9) Trichlorofluoromethane	1.77	101	165913	12.056 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	92422	12.256 ug/L	99
12) 1,1-Dichloroethene	2.14	96	82327	12.115 ug/L	99
13) Acetone	2.21	43	66313	108.018 ug/L	97
14) Carbon disulfide	2.32	76	241912	12.259 ug/L	99
15) Methyl Acetate	2.47	43	19229	10.913 ug/L	# 89
16) Methylene chloride	2.54	84	78567	10.774 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	181279	11.407 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	88094	12.039 ug/L	99
19) 1,1-Dichloroethane	3.23	63	118047	11.223 ug/L	97
21) 2-Butanone	4.05	43	107671	106.065 ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	82739	11.605 ug/L	98
23) Bromochloromethane	4.31	128	37412	11.932 ug/L	97
25) Chloroform	4.43	83	137379	11.411 ug/L	99
27) 1,2-Dichloroethane	5.19	62	79943	11.630 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	133185	11.293 ug/L	100
30) Cyclohexane	4.73	56	113249	11.052 ug/L	100
31) Carbon tetrachloride	4.88	117	125536	11.336 ug/L	99
33) Benzene	5.15	78	286913	11.415 ug/L	100
34) Trichloroethene	5.96	95	89677	11.531 ug/L	99
35) Methylcyclohexane	6.18	83	140824	11.815 ug/L	99
37) 1,2-Dichloropropane	6.23	63	69286	11.294 ug/L	100
38) Bromodichloromethane	6.56	83	98128	11.108 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	112167	11.540 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	388058	115.593 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	339484	11.717	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	90026	11.282	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	53485	11.609	ug/L	98
47) Tetrachloroethene	8.02	164	84439	12.066	ug/L	98
48) 2-Hexanone	8.20	43	300711	115.879	ug/L	99
49) Dibromochloromethane	8.30	129	75651	11.683	ug/L	99
50) 1,2-Dibromoethane	8.40	107	53659	11.995	ug/L	94
51) Chlorobenzene	8.93	112	234718	12.005	ug/L	99
52) Ethylbenzene	9.06	91	385867	11.869	ug/L	100
53) m,p-xylene	9.19	106	153475	12.162	ug/L	98
54) o-xylene	9.59	106	146828	11.930	ug/L	98
55) Styrene	9.61	104	248917	12.353	ug/L	99
56) Isopropylbenzene	9.98	105	406181	12.075	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	53725	12.133	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	44910	11.963	ug/L	100
61) Bromoform	9.78	173	45437	11.398	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	207618	11.813	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	207205	11.816	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	193506	11.852	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9208	11.482	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	172356	12.492	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	137435	13.957	ug/L	100
69) Naphthalene	13.56	128	174389	14.868	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	123974	13.766	ug/L	100

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

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ClientSampleId :
VSTD01069

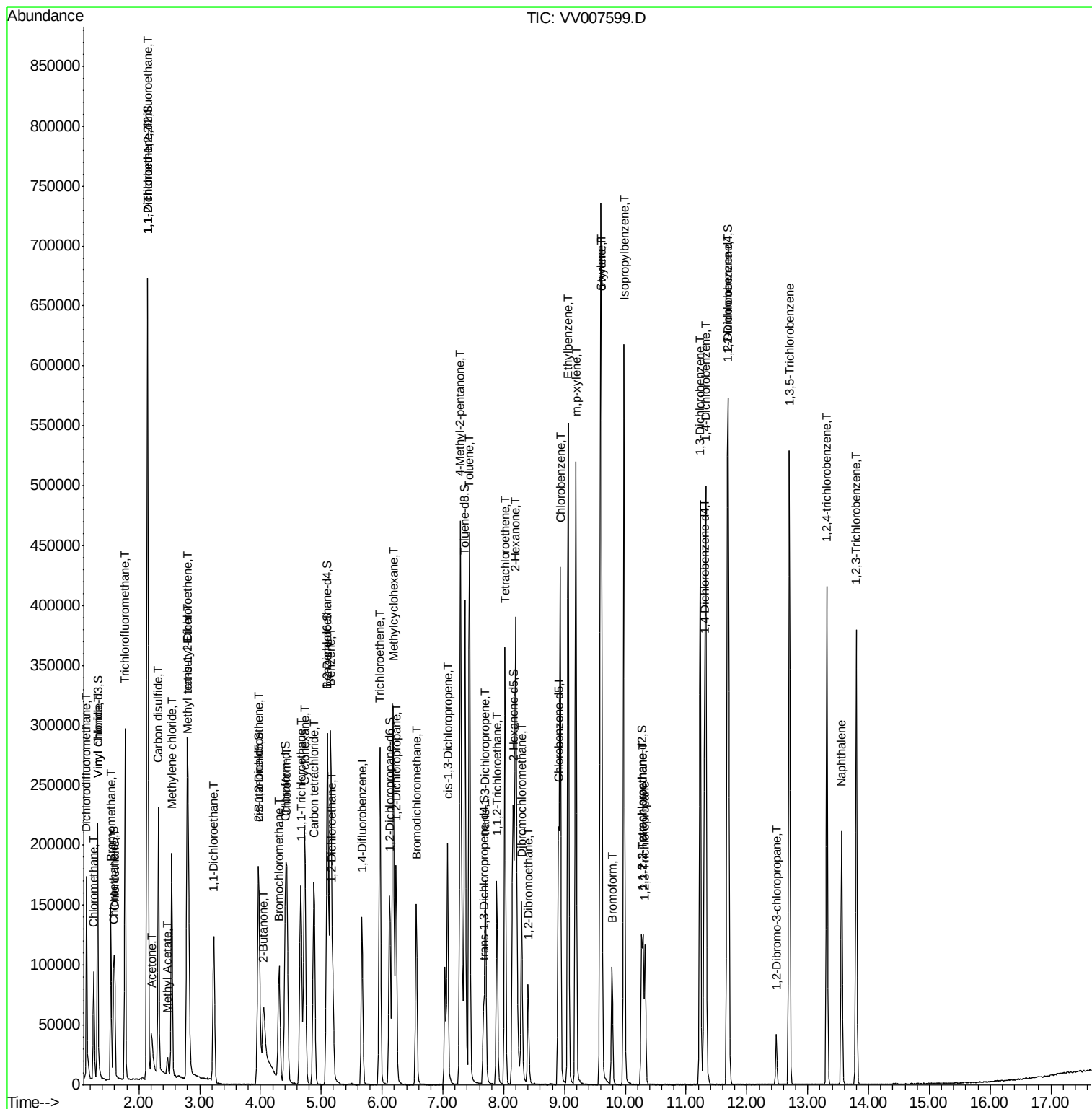
Quant Time: Sep 19 01:27:09 2018

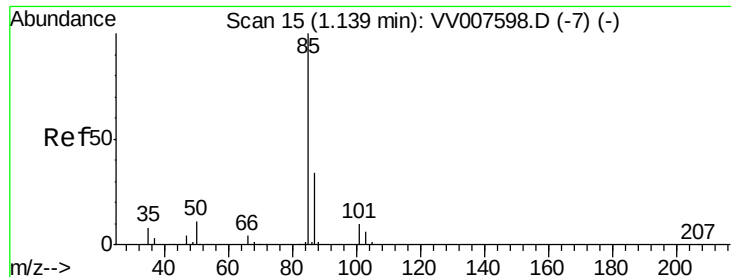
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR091818WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 19 01:25:54 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 13.125 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

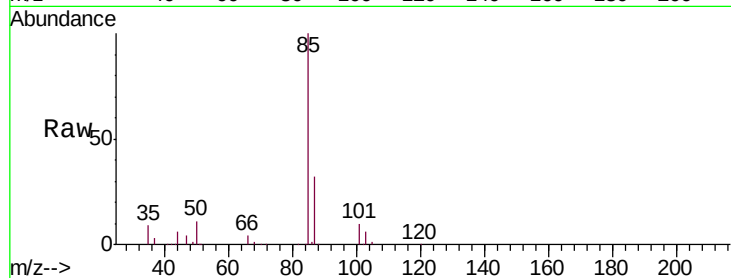
VSTD01069

Tgt Ion: 85 Resp: 96870

Ion Ratio Lower Upper

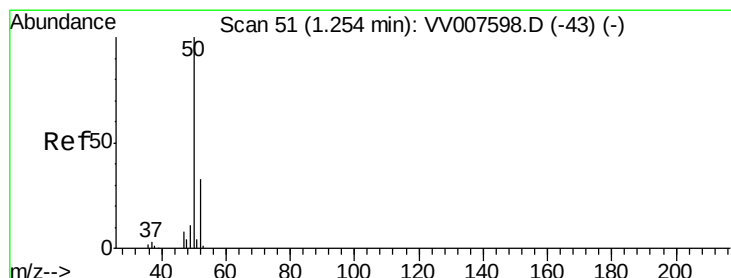
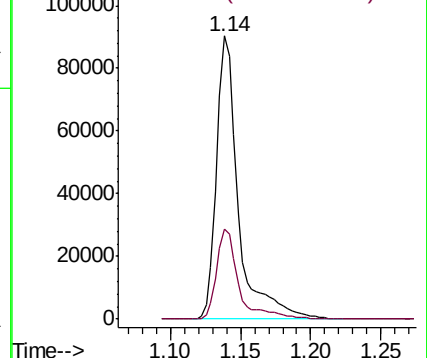
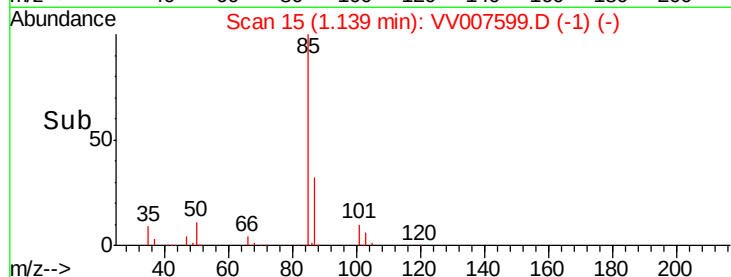
85 100

87 32.2 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV007599.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007599.D (-1) (-)



#3

Chloromethane

Concen: 11.517 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007599.D

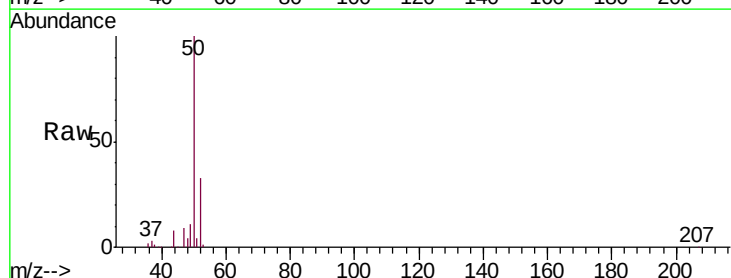
Acq: 18 Sep 2018 12:35

Tgt Ion: 50 Resp: 71803

Ion Ratio Lower Upper

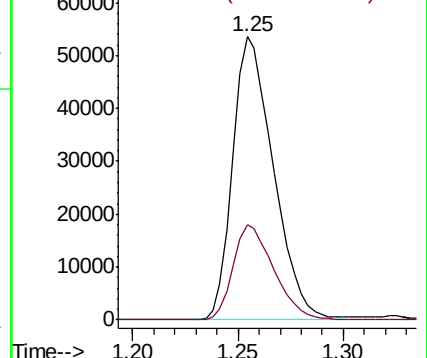
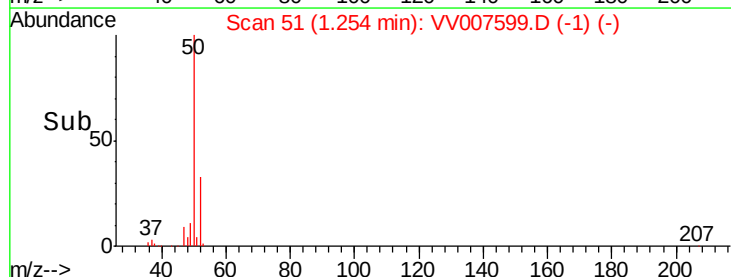
50 100

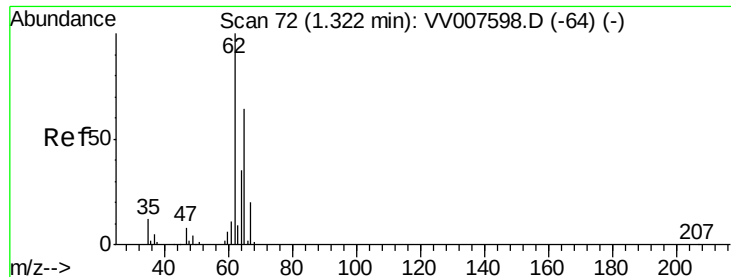
52 33.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV007599.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV007599.D (-1) (-)





#5

Vinyl chloride

Concen: 11.928 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

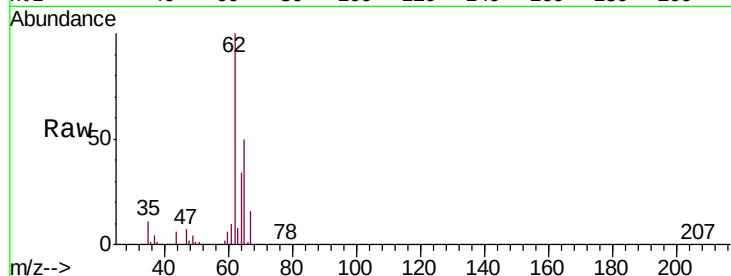
VSTD01069

Tgt Ion: 62 Resp: 82897

Ion Ratio Lower Upper

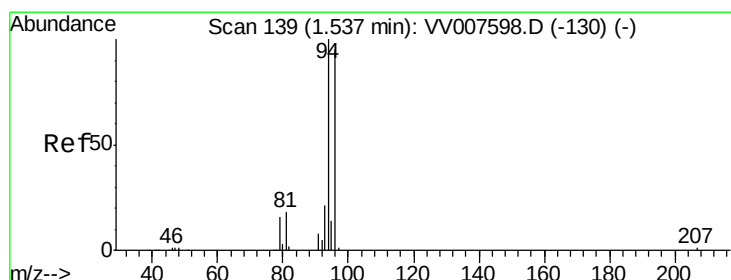
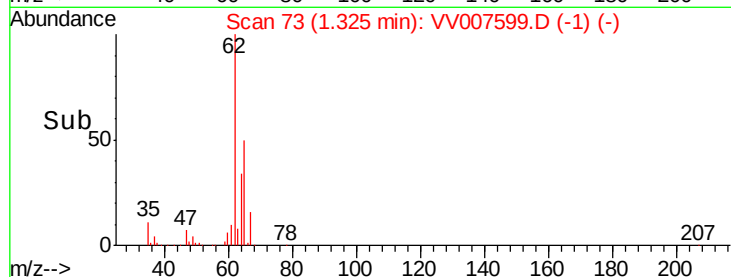
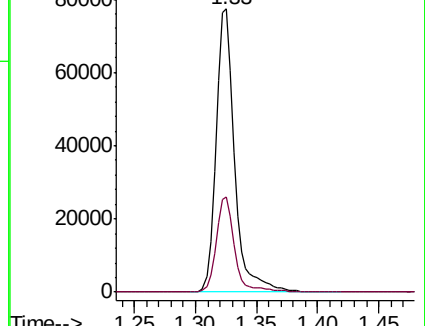
62 100

64 33.8 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV007599.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV007599.D (-64) (-)



#6

Bromomethane

Concen: 12.250 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007599.D

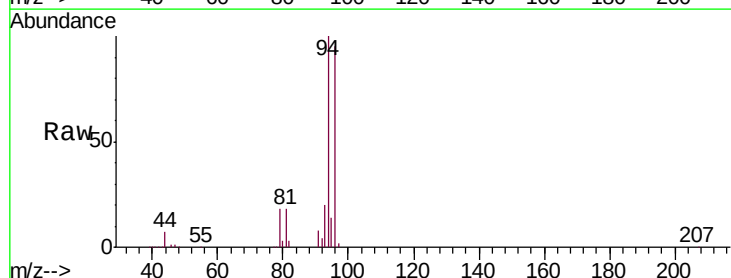
Acq: 18 Sep 2018 12:35

Tgt Ion: 94 Resp: 60829

Ion Ratio Lower Upper

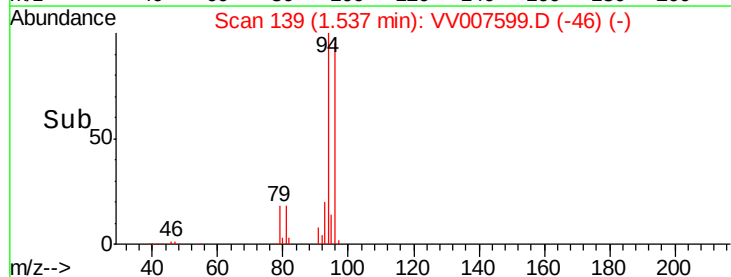
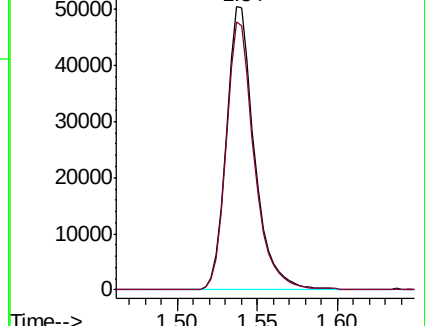
94 100

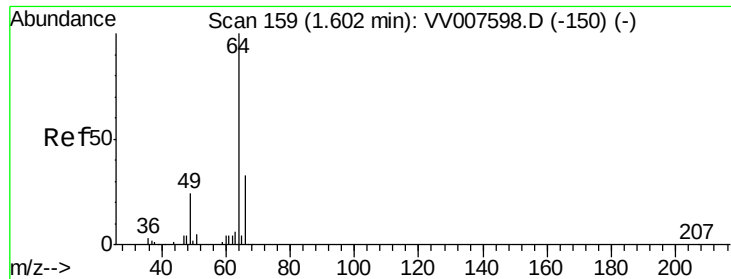
96 94.9 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV007599.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VV007599.D (-96) (-)





#8

Chloroethane

Concen: 12.080 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

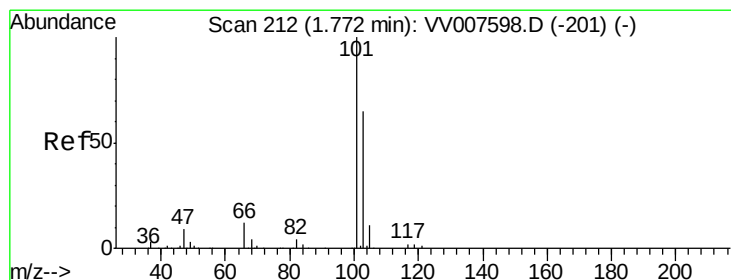
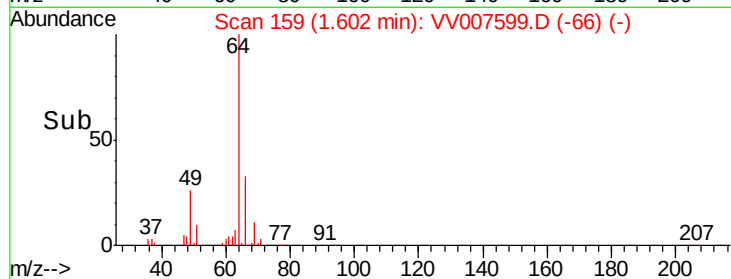
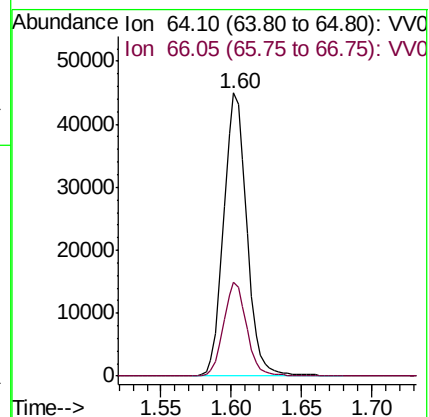
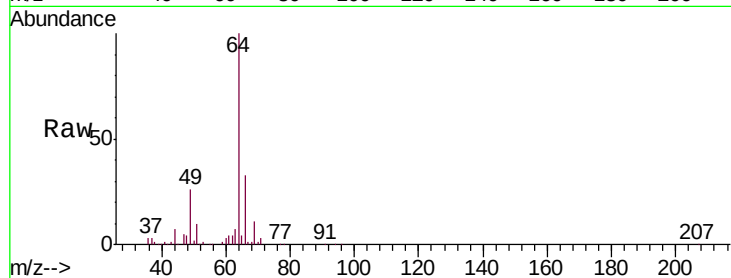
VSTD01069

Tgt Ion: 64 Resp: 51447

Ion Ratio Lower Upper

64 100

66 33.2 22.9 42.5



#9

Trichlorofluoromethane

Concen: 12.056 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007599.D

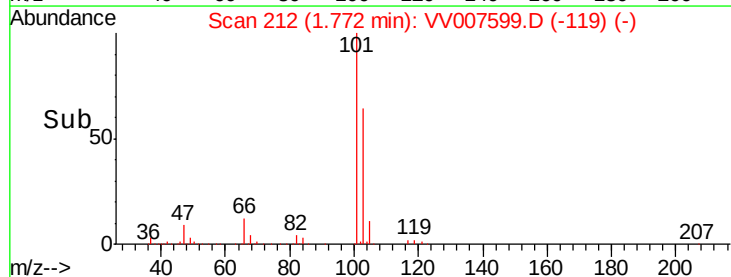
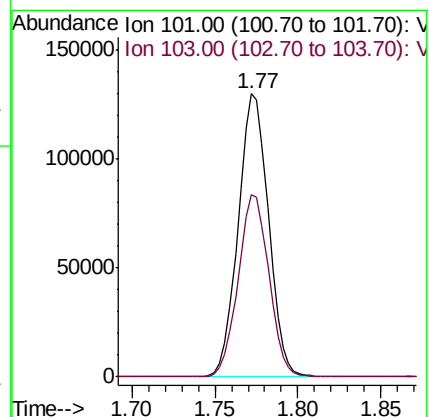
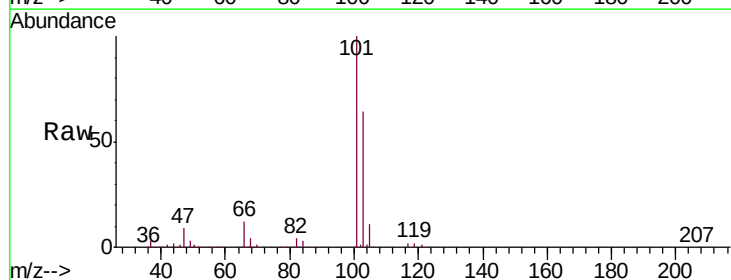
Acq: 18 Sep 2018 12:35

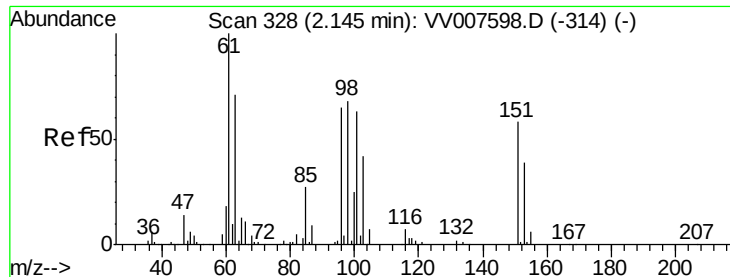
Tgt Ion: 101 Resp: 165913

Ion Ratio Lower Upper

101 100

103 65.2 52.2 78.2





#10

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

Concen: 12.256 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01069

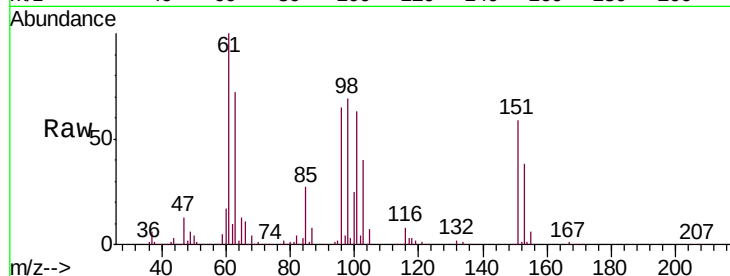
Tgt Ion: 101 Resp: 92422

Ion Ratio Lower Upper

101 100

85 43.1 34.4 51.6

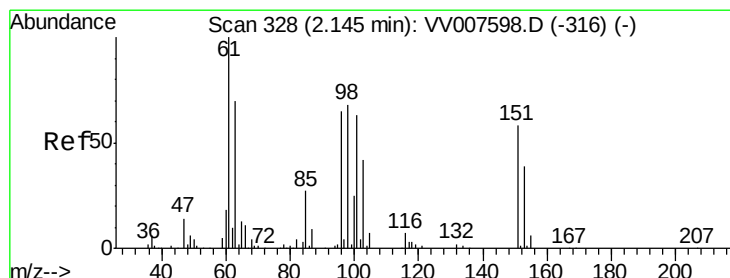
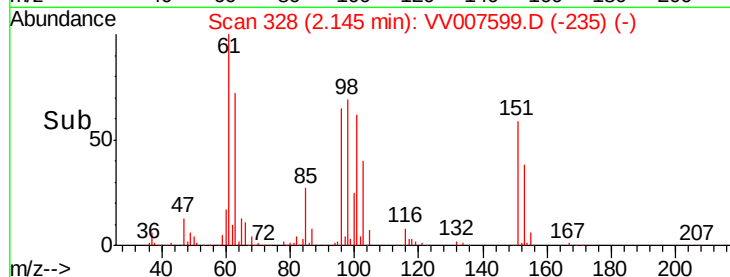
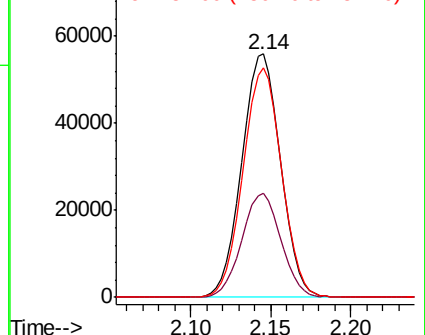
151 93.8 74.1 111.1



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: 12.115 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

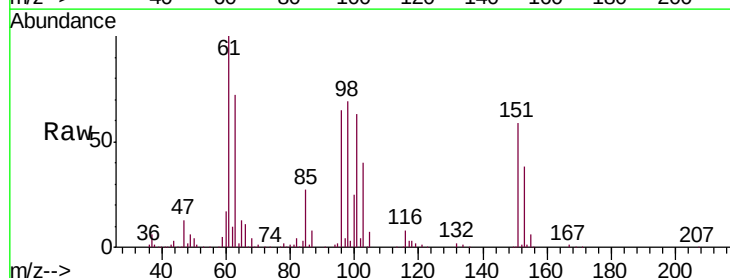
Tgt Ion: 96 Resp: 82327

Ion Ratio Lower Upper

96 100

61 153.1 108.1 200.9

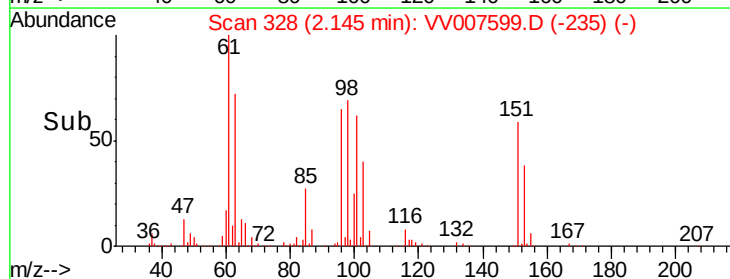
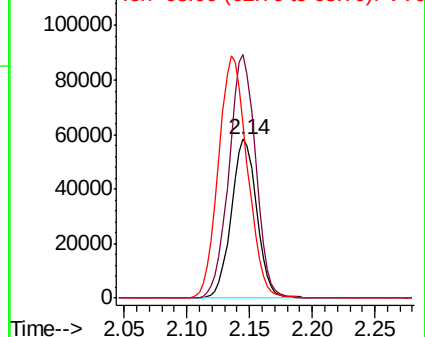
63 109.9 76.9 142.9

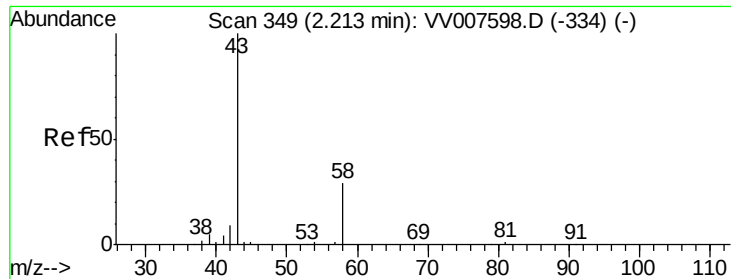


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 108.018 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

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ClientSampleId :

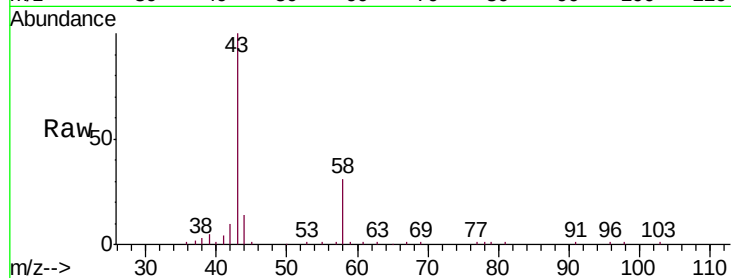
VSTD01069

Tgt Ion: 43 Resp: 66313

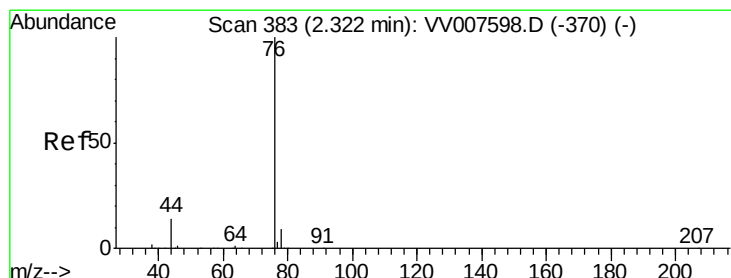
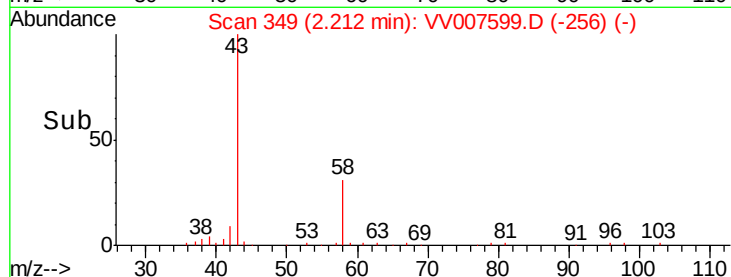
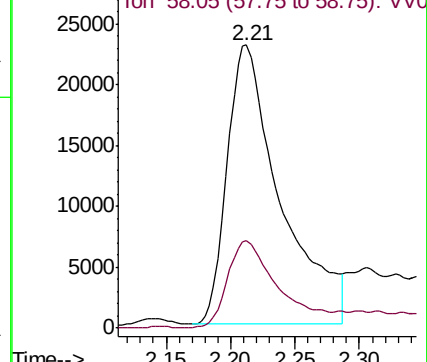
Ion Ratio Lower Upper

43 100

58 30.1 0.0 57.2



Abundance Ion 43.05 (42.75 to 43.75): VV007598.D (-334) (-)



#14

Carbon disulfide

Concen: 12.259 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007599.D

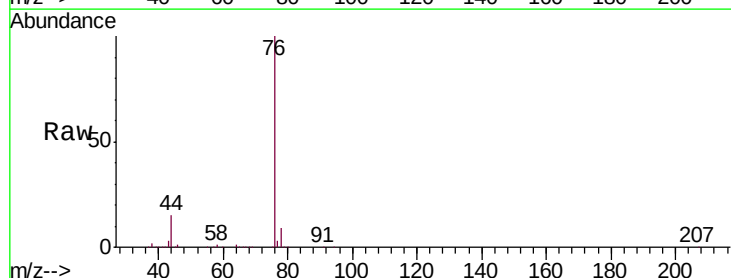
Acq: 18 Sep 2018 12:35

Tgt Ion: 76 Resp: 241912

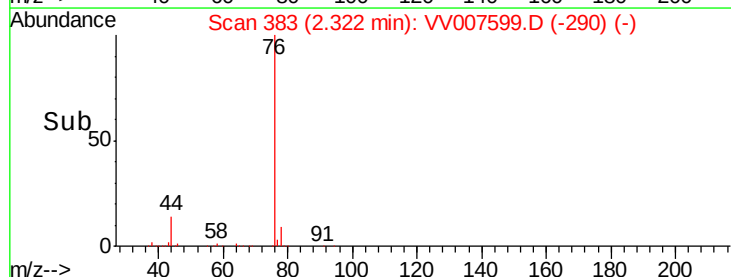
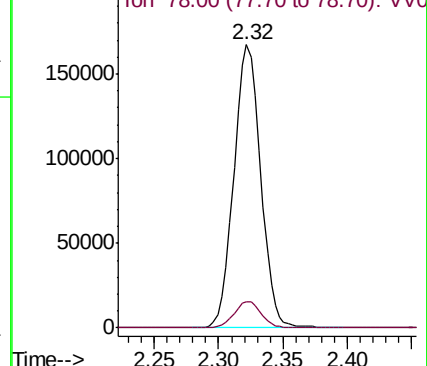
Ion Ratio Lower Upper

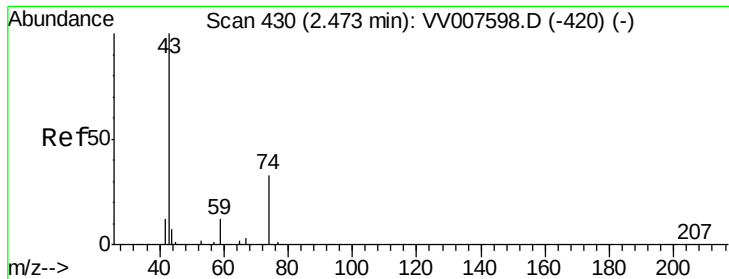
76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007598.D (-370) (-)





#15

Methyl Acetate

Concen: 10.913 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

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ClientSampleId :

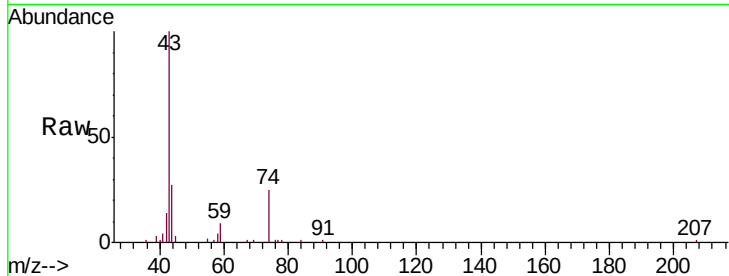
VSTD01069

Tgt Ion: 43 Resp: 19229

Ion Ratio Lower Upper

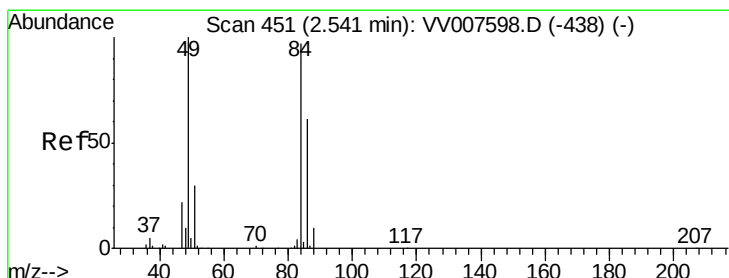
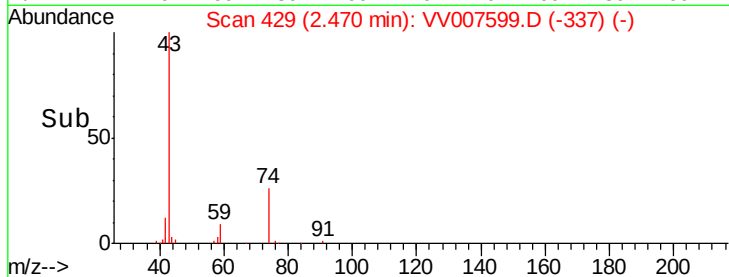
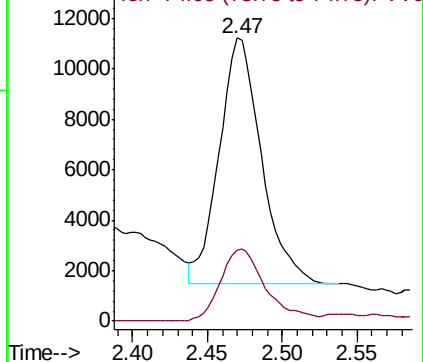
43 100

74 31.3 20.6 31.0#



Abundance Ion 43.05 (42.75 to 43.75): VV007599.D (-429) (-)

Ion 74.05 (73.75 to 74.75): VV007599.D (-429) (-)



#16

Methylene chloride

Concen: 10.774 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

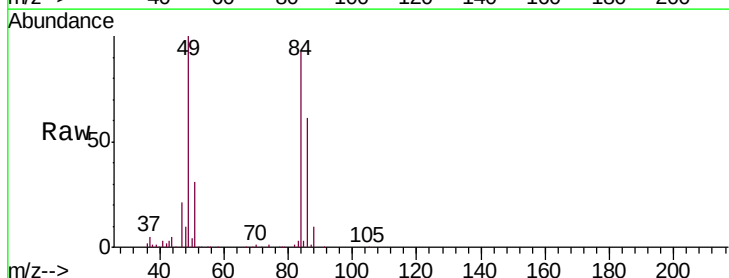
Tgt Ion: 84 Resp: 78567

Ion Ratio Lower Upper

84 100

86 65.1 44.4 82.4

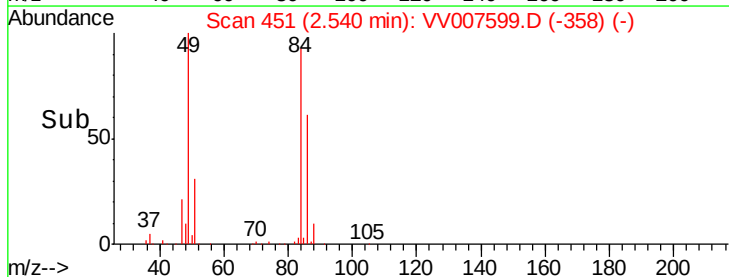
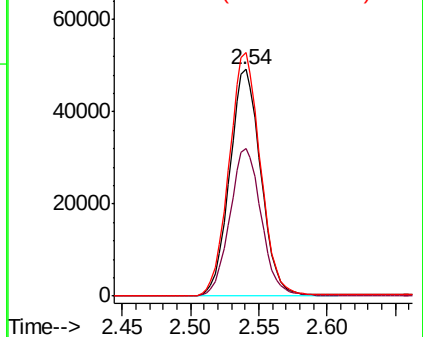
49 107.5 72.3 134.3

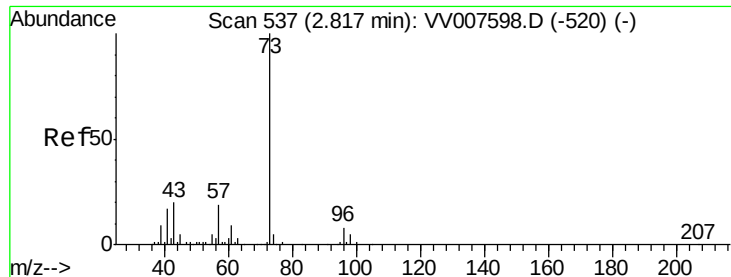


Abundance Ion 84.05 (83.75 to 84.75): VV007599.D (-451) (-)

Ion 86.00 (85.70 to 86.70): VV007599.D (-451) (-)

Ion 49.10 (48.80 to 49.80): VV007599.D (-451) (-)





#17

Methyl tert-butyl Ether

Concen: 11.407 ug/L

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01069

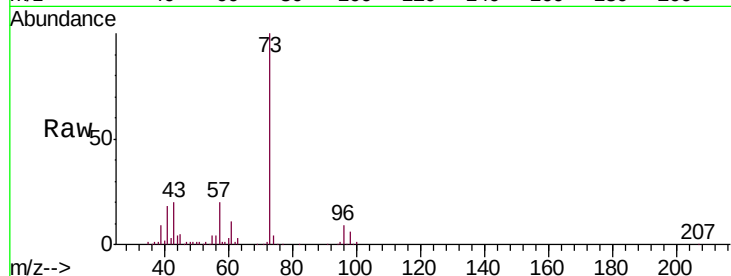
Tgt Ion: 73 Resp: 181279

Ion Ratio Lower Upper

73 100

43 19.4 16.2 24.2

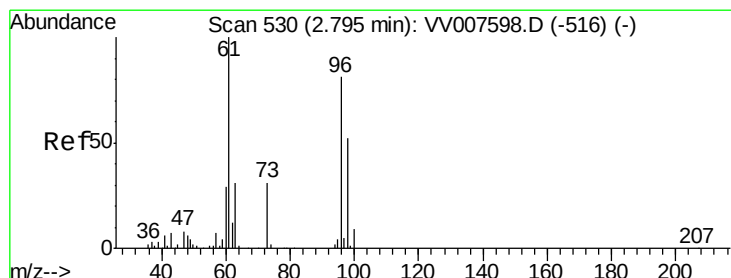
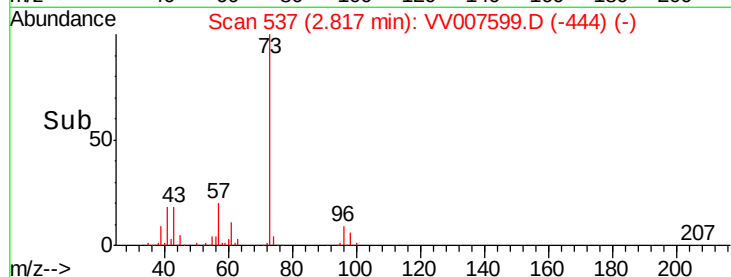
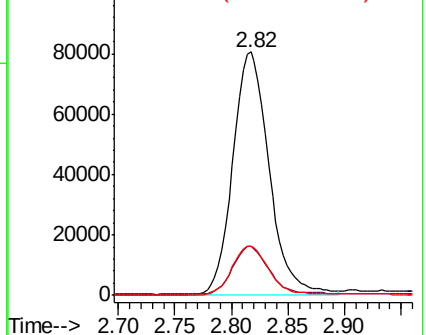
57 20.6 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV007599.D (-444) (-)

Ion 43.05 (42.75 to 43.75): VV007599.D (-444) (-)

Ion 57.10 (56.80 to 57.80): VV007599.D (-444) (-)



#18

trans-1,2-Dichloroethene

Concen: 12.039 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

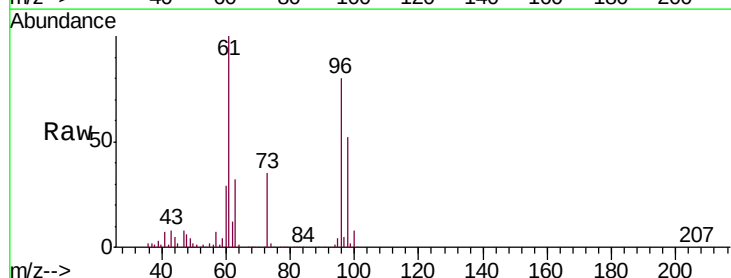
Tgt Ion: 96 Resp: 88094

Ion Ratio Lower Upper

96 100

61 124.5 86.0 159.6

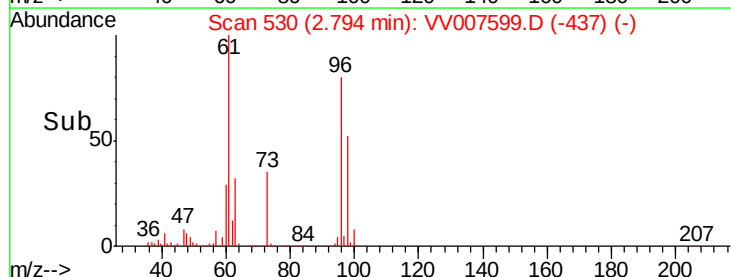
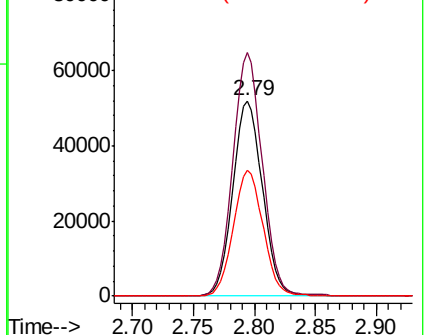
98 64.4 44.9 83.3

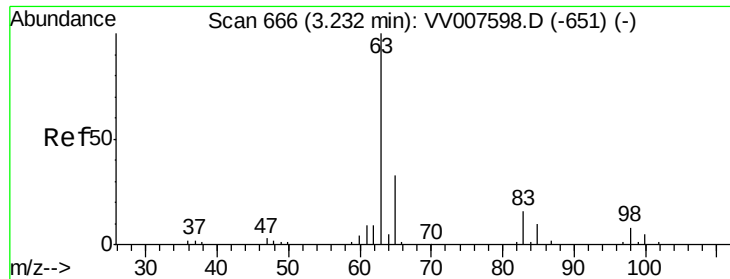


Abundance Ion 96.00 (95.70 to 96.70): VV007599.D (-437) (-)

Ion 61.05 (60.75 to 61.75): VV007599.D (-437) (-)

Ion 97.95 (97.65 to 98.65): VV007599.D (-437) (-)

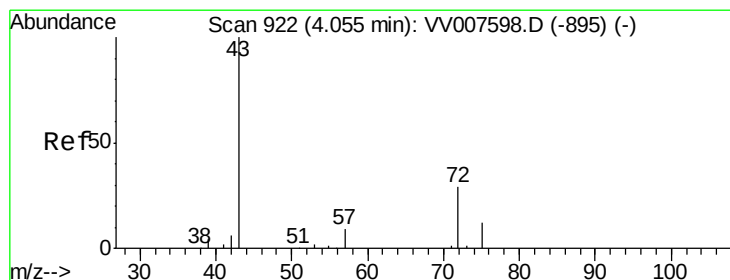
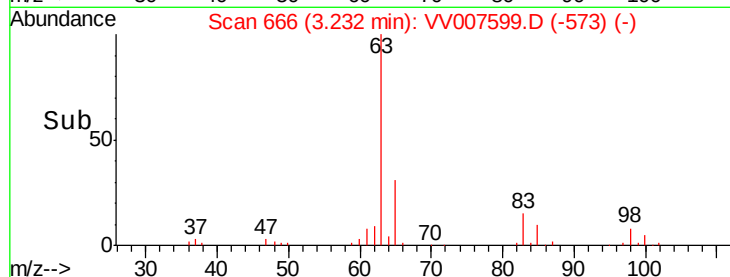
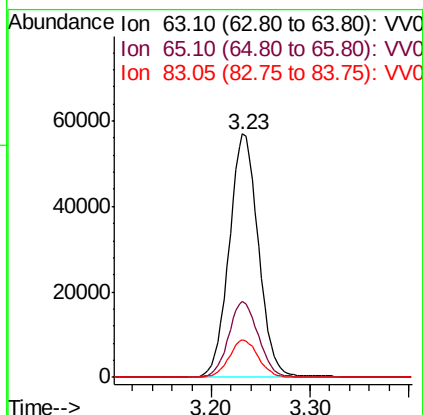
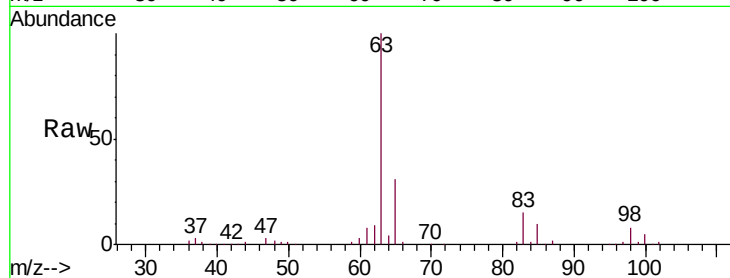




#19
 1,1-Dichloroethane
 Concen: 11.223 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

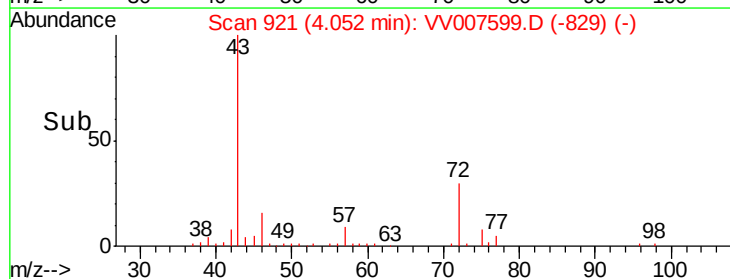
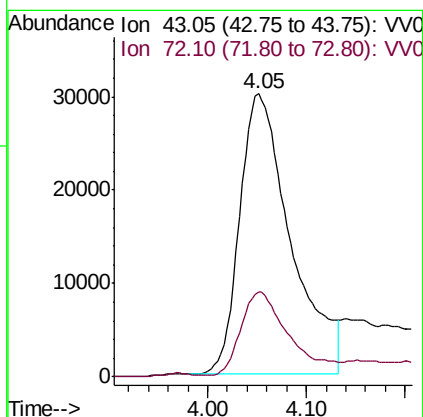
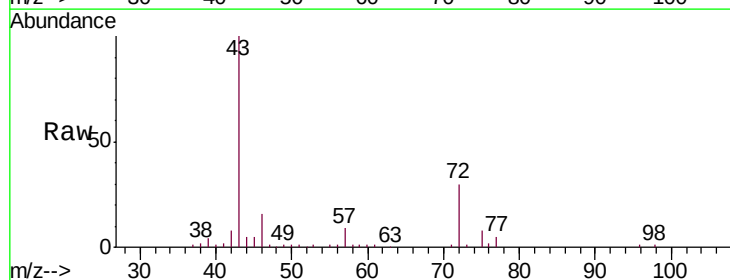
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

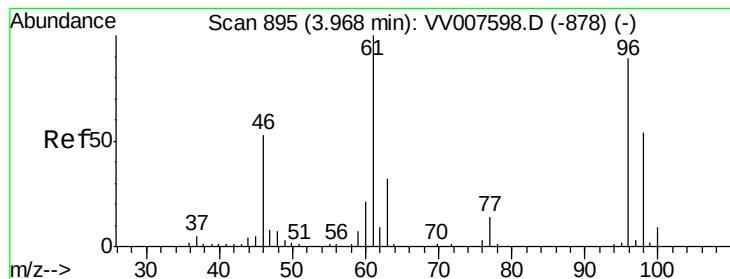
Tgt Ion: 63 Resp: 118047
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 42.8
 83 15.3 11.3 20.9



#21
 2-Butanone
 Concen: 106.065 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion: 43 Resp: 107671
 Ion Ratio Lower Upper
 43 100
 72 28.6 13.4 40.2



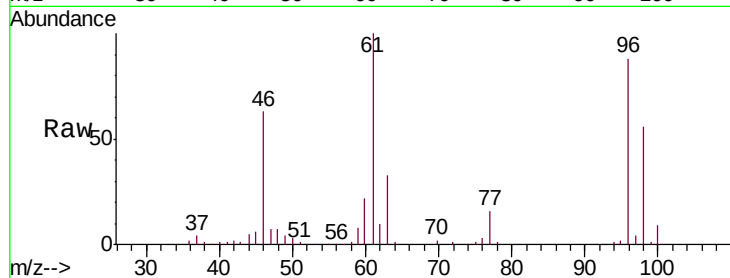


#22

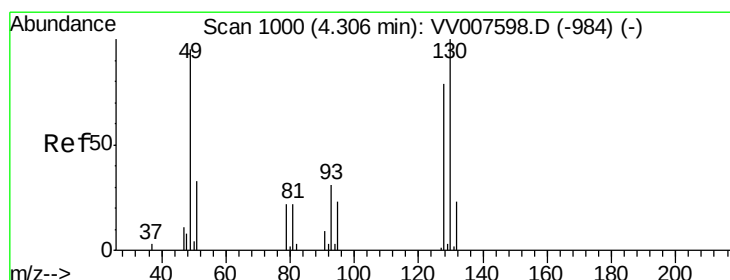
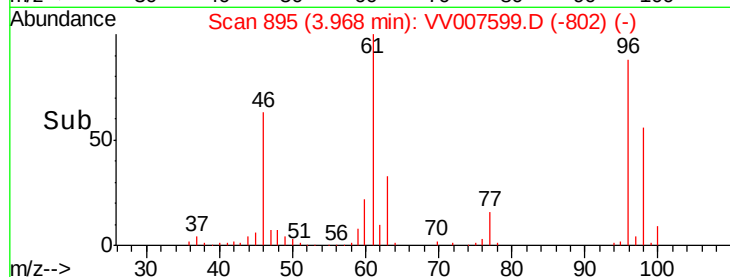
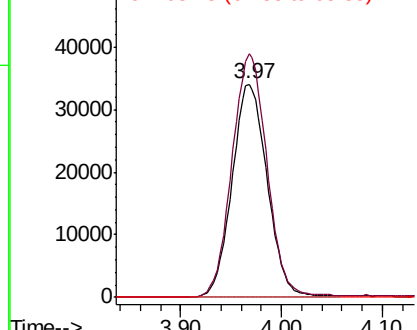
cis-1,2-Dichloroethene
 Concen: 11.605 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

Tgt Ion: 96 Resp: 82739
 Ion Ratio Lower Upper
 96 100
 61 114.2 78.4 145.6
 68 0.0 0.0 0.0



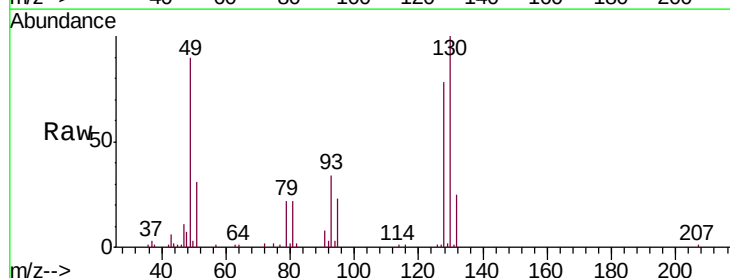
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



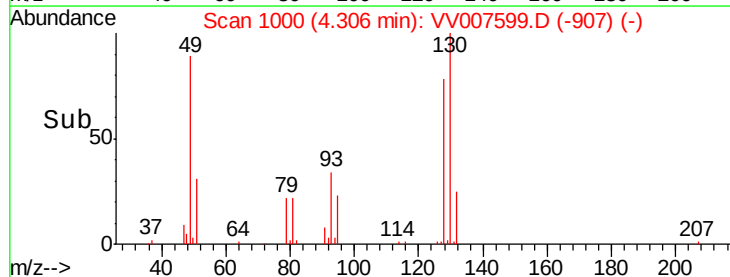
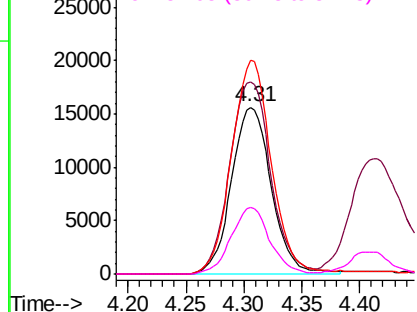
#23

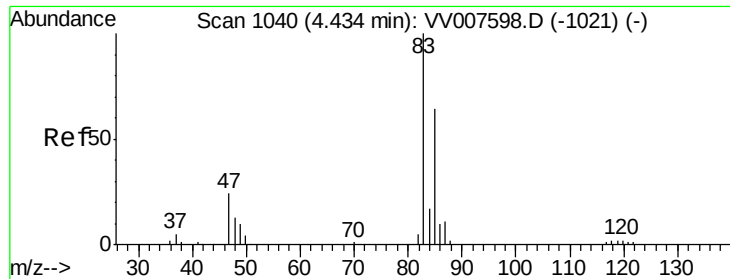
Bromochloromethane
 Concen: 11.932 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion: 128 Resp: 37412
 Ion Ratio Lower Upper
 128 100
 49 115.3 84.1 156.3
 130 127.9 88.9 165.1
 51 40.1 33.6 50.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

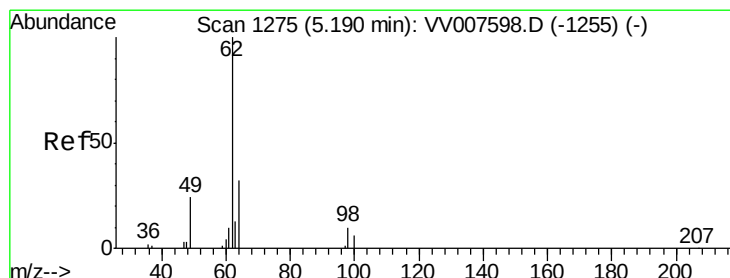
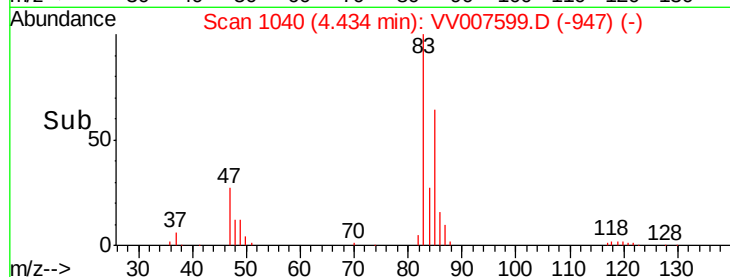
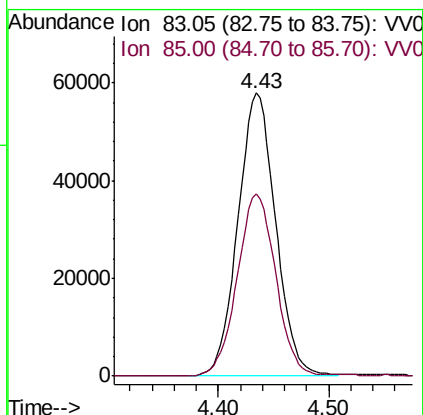
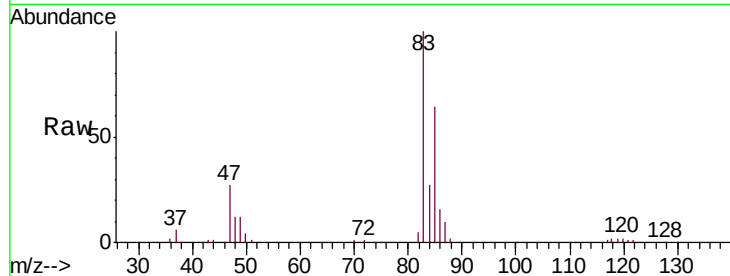




#25
Chloroform
Concen: 11.411 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007599.D
Acq: 18 Sep 2018 12:35

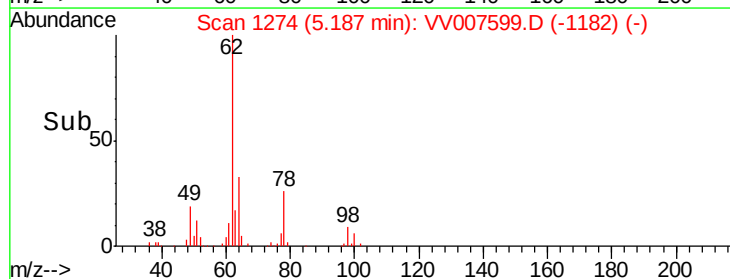
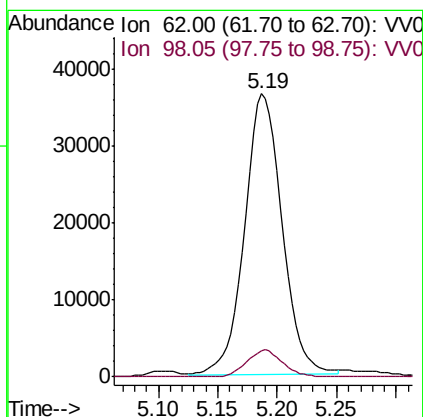
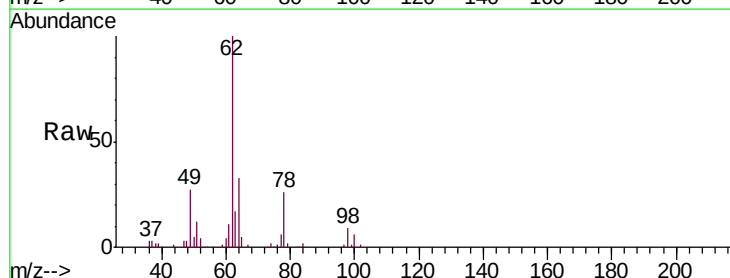
Instrument :
MSVOA_V
ClientSampleId :
VSTD01069

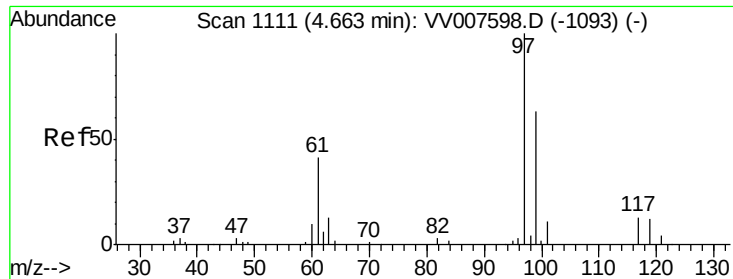
Tgt Ion: 83 Resp: 137379
Ion Ratio Lower Upper
83 100
85 64.3 44.5 82.7



#27
1,2-Dichloroethane
Concen: 11.630 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007599.D
Acq: 18 Sep 2018 12:35

Tgt Ion: 62 Resp: 79943
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

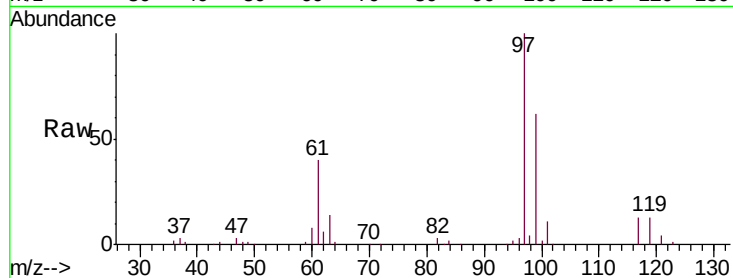




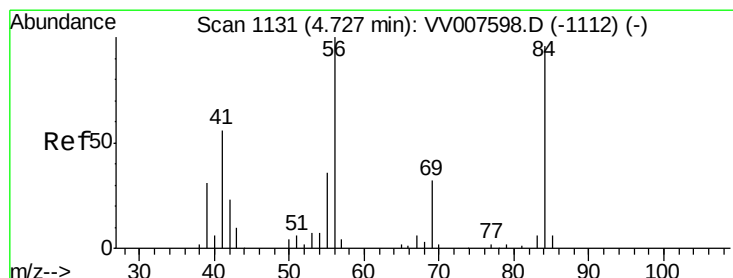
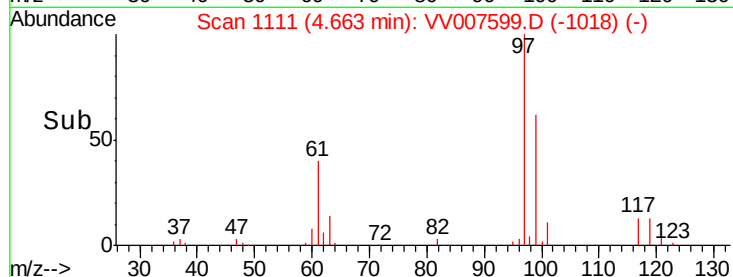
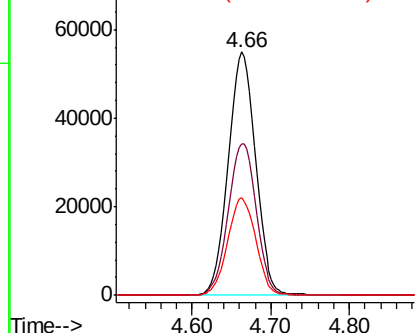
#29
 1,1,1-Trichloroethane
 Concen: 11.293 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

Tgt Ion: 97 Resp: 133185
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.4 77.0
 61 41.1 32.9 49.3

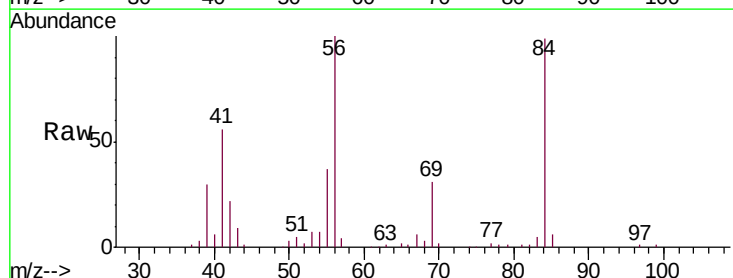


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

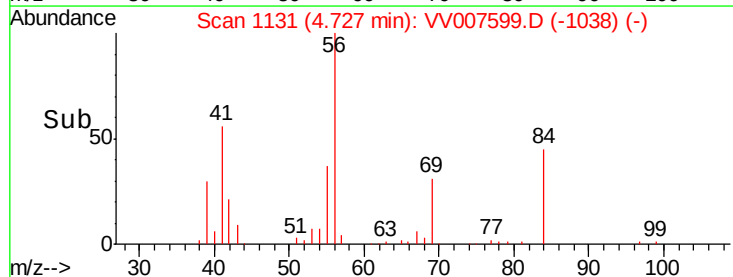
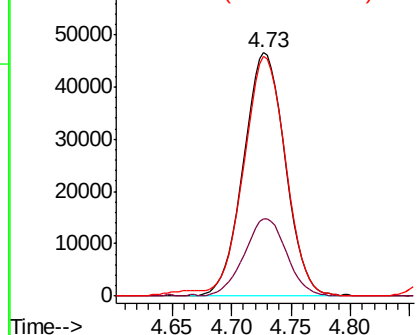


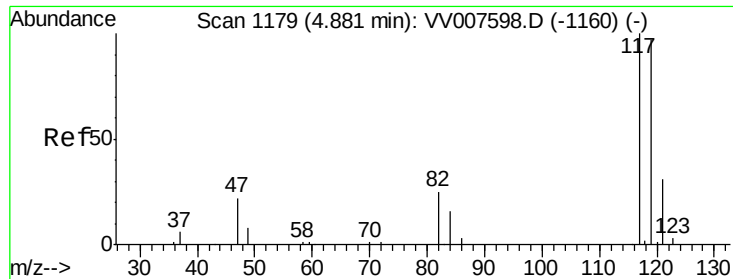
#30
 Cyclohexane
 Concen: 11.052 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion: 56 Resp: 113249
 Ion Ratio Lower Upper
 56 100
 69 32.2 26.1 39.1
 84 98.9 79.1 118.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 11.336 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

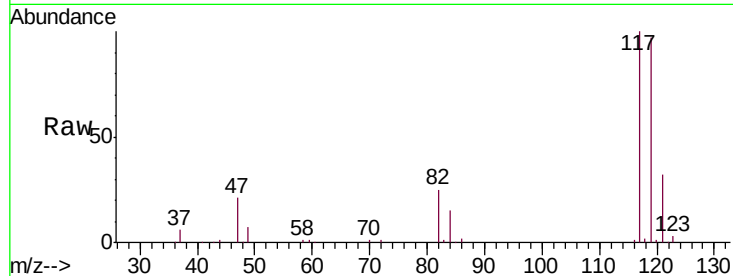
VSTD01069

Tgt Ion:117 Resp: 125536

Ion Ratio Lower Upper

117 100

119 97.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

60000

50000

40000

30000

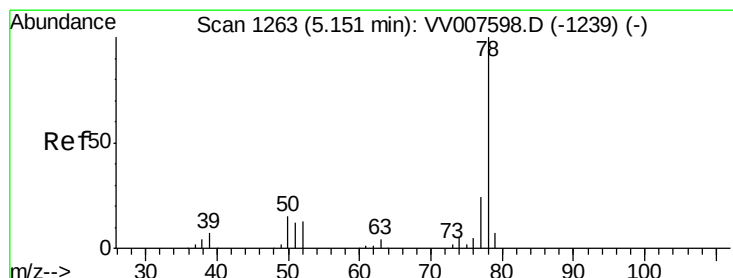
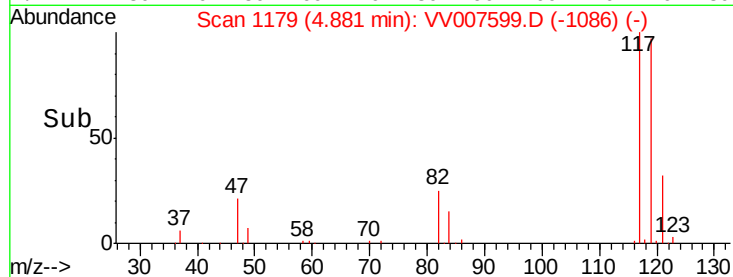
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 11.415 ug/L

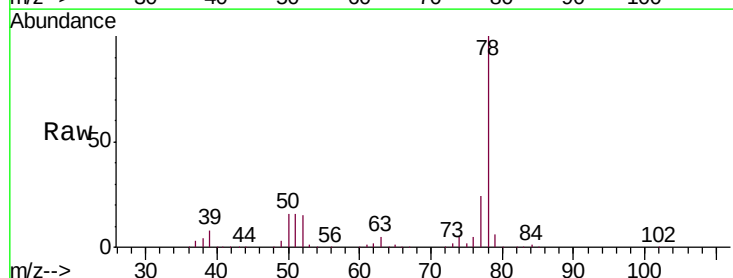
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Tgt Ion: 78 Resp: 286913



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

150000

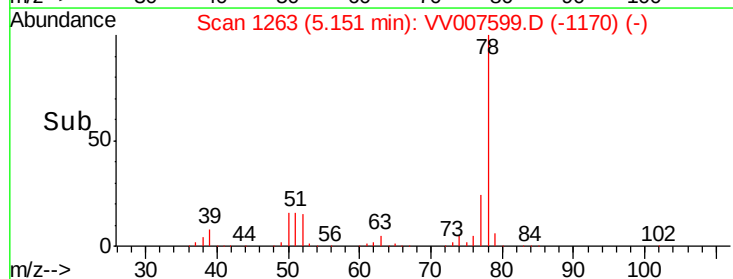
100000

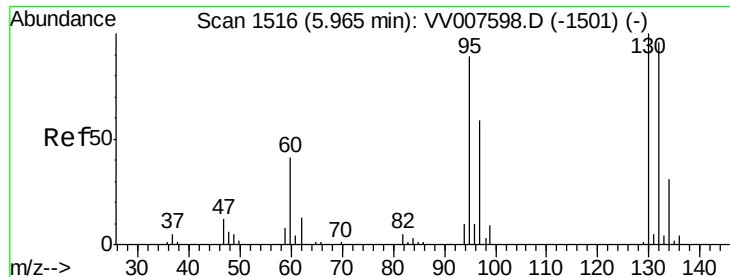
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 11.531 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01069

Tgt Ion: 95 Resp: 89677

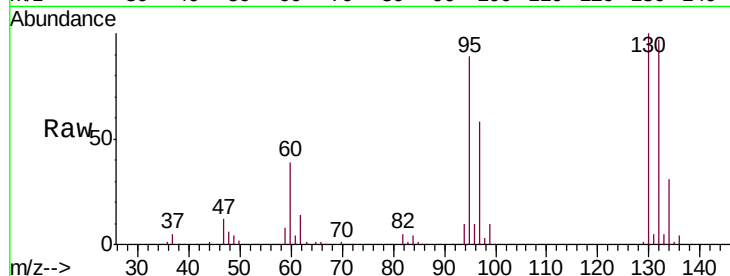
Ion Ratio Lower Upper

95 100

97 65.5 46.5 86.5

132 109.3 75.5 140.3

130 112.9 78.8 146.4

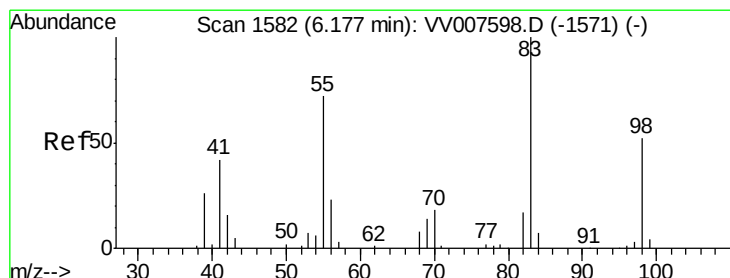
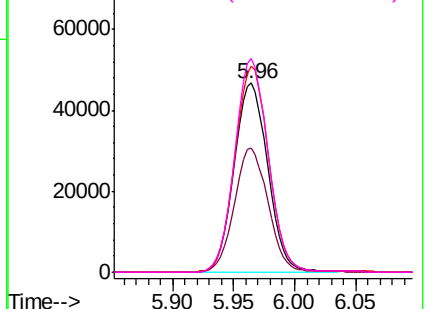
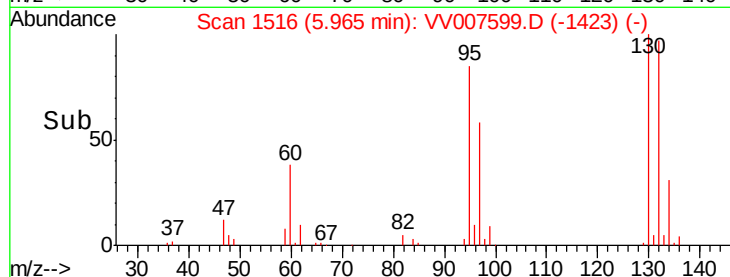


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 11.815 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

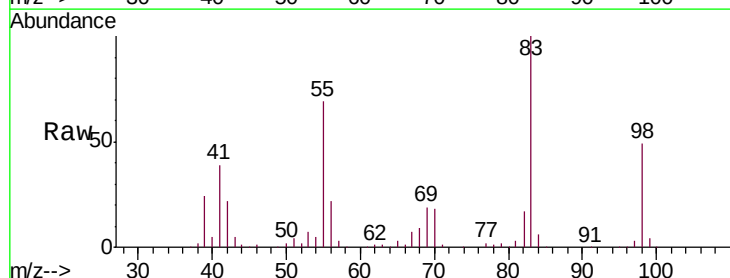
Tgt Ion: 83 Resp: 140824

Ion Ratio Lower Upper

83 100

55 67.6 54.6 82.0

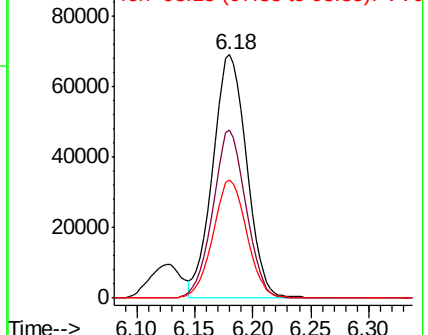
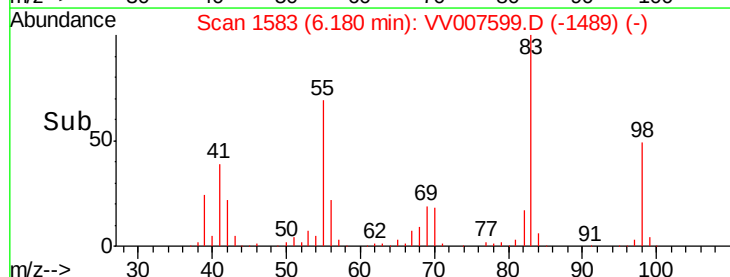
98 48.7 39.8 59.6

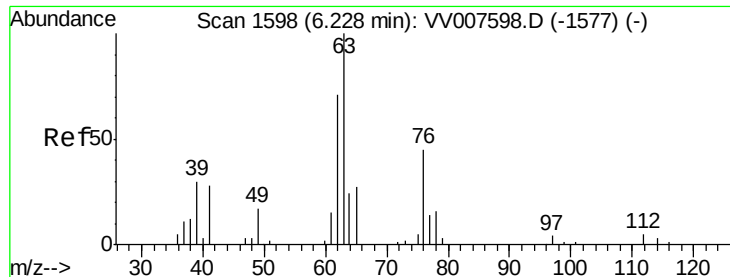


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

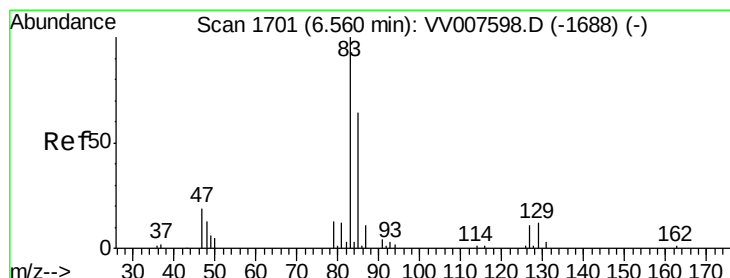
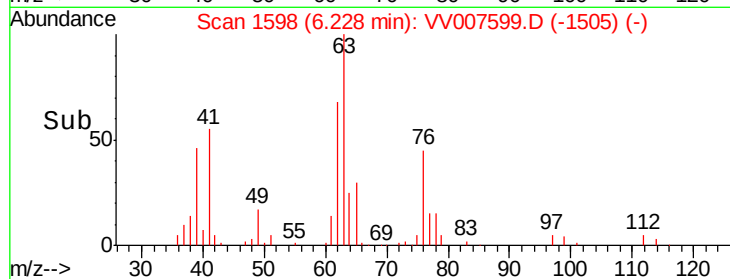
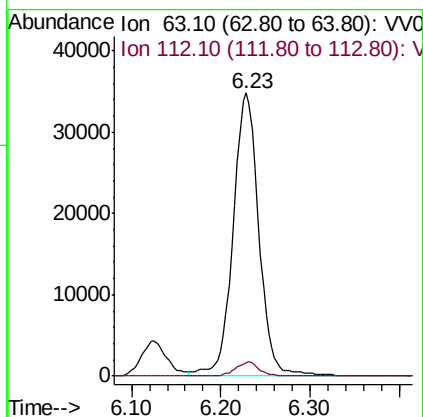
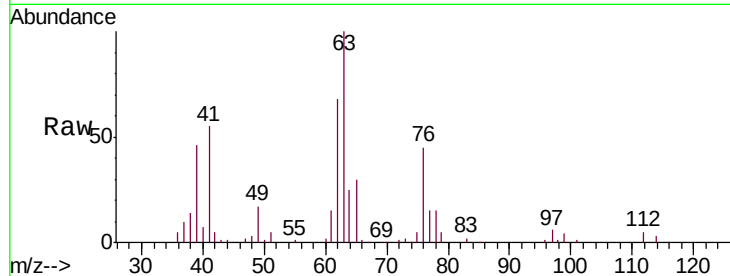




#37
 1,2-Dichloropropane
 Concen: 11.294 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

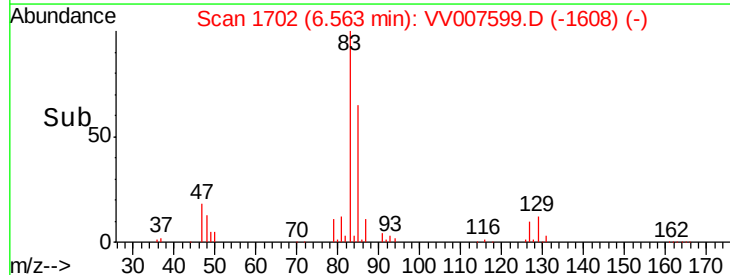
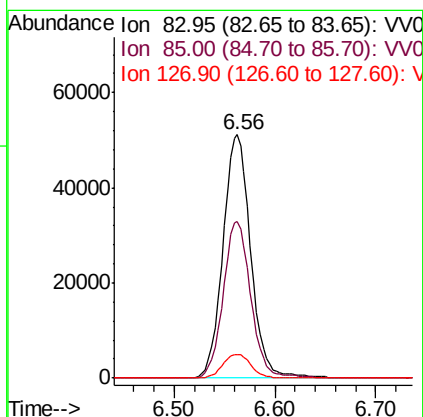
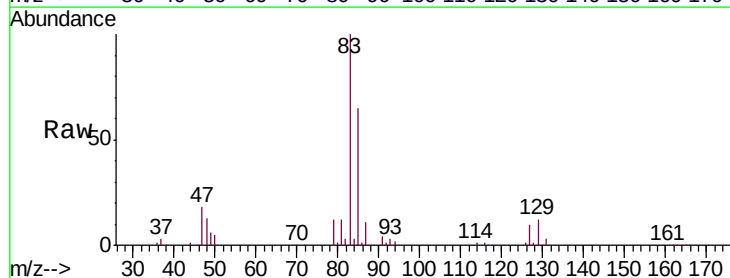
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

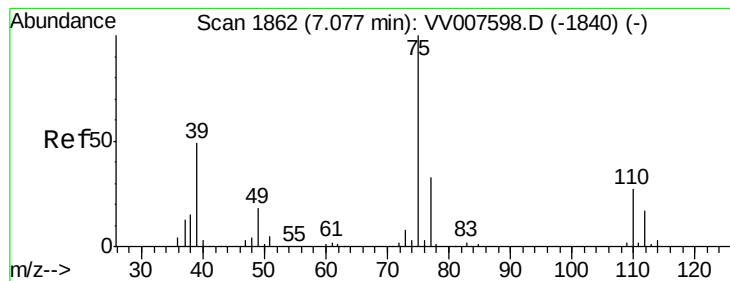
Tgt Ion: 63 Resp: 69286
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 11.108 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion: 83 Resp: 98128
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 83.1
 127 9.8 8.6 12.8



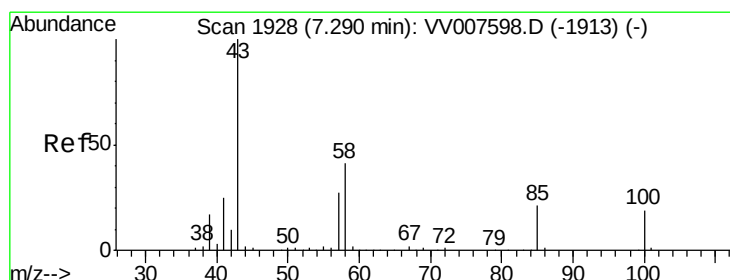
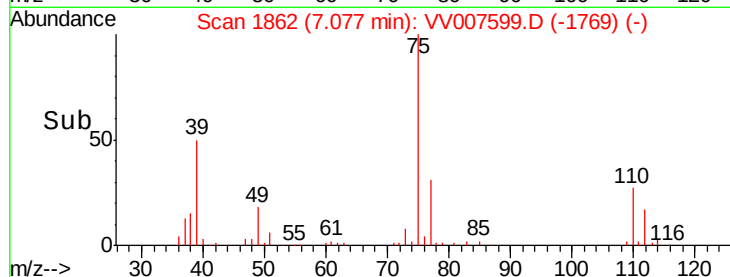
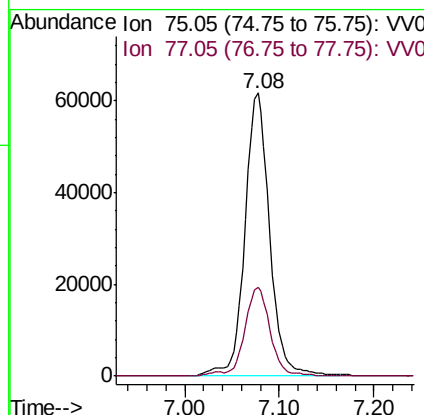
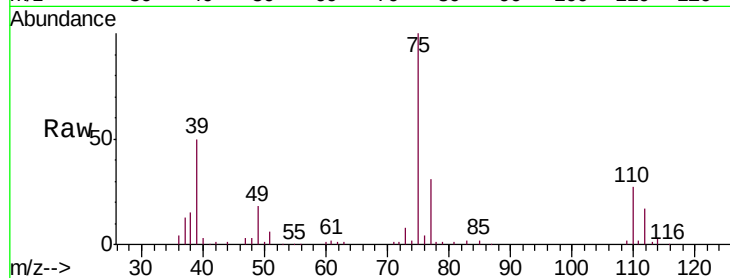


#39

cis-1,3-Dichloropropene
 Concen: 11.540 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

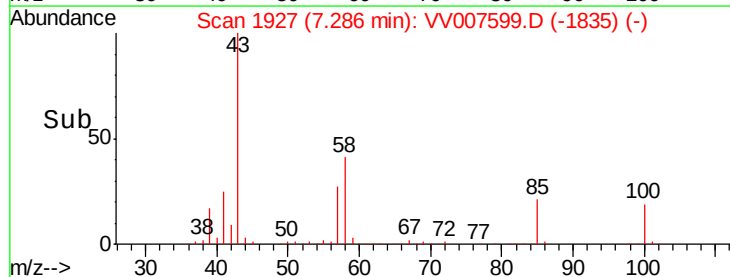
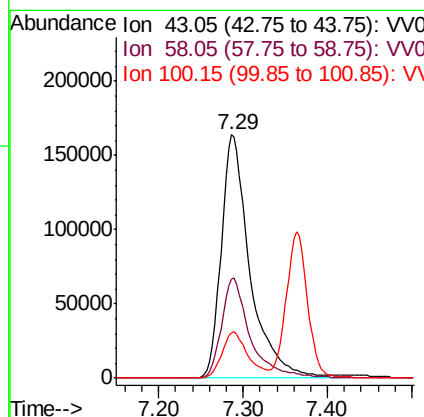
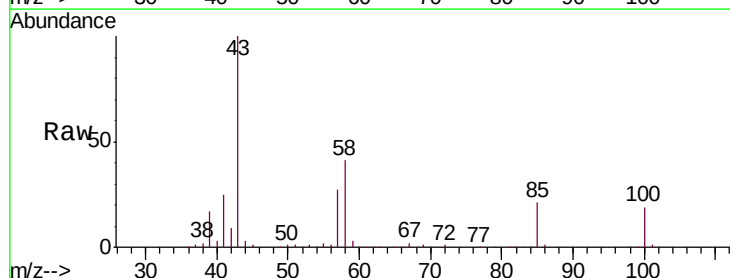
Tgt Ion: 75 Resp: 112167
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.0 42.8

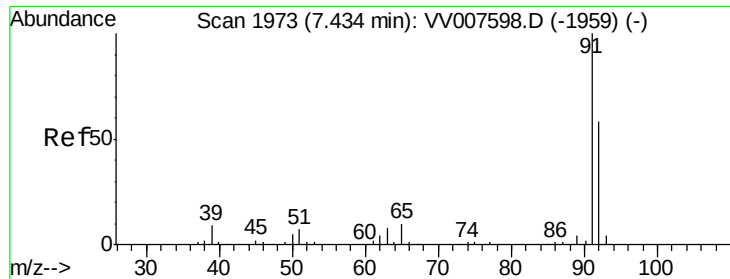


#40

4-Methyl-2-pentanone
 Concen: 115.593 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion: 43 Resp: 388058
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 49.0
 100 17.1 13.1 19.7





#42

Toluene

Concen: 11.717 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

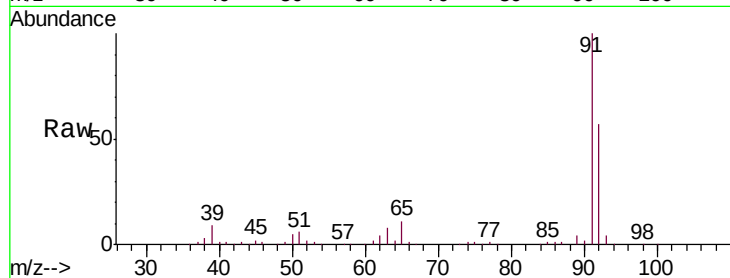
VSTD01069

Tgt Ion: 91 Resp: 339484

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007598.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007599.D (-1880) (-)

7.43

200000

150000

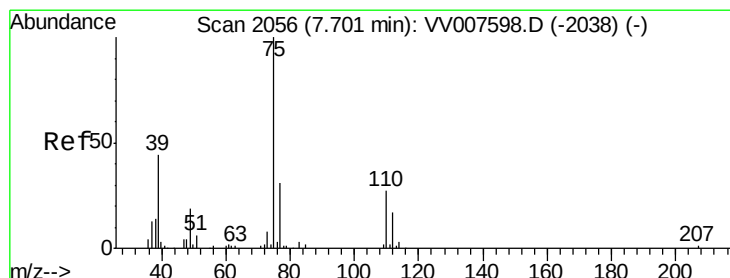
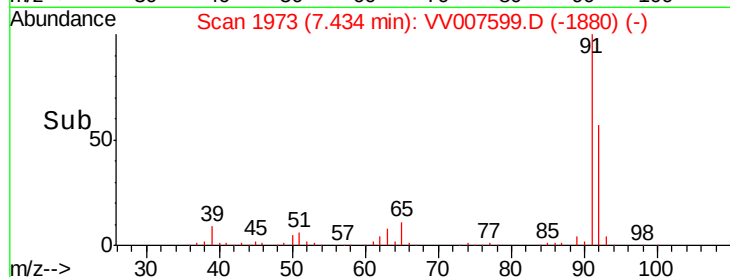
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.282 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007599.D

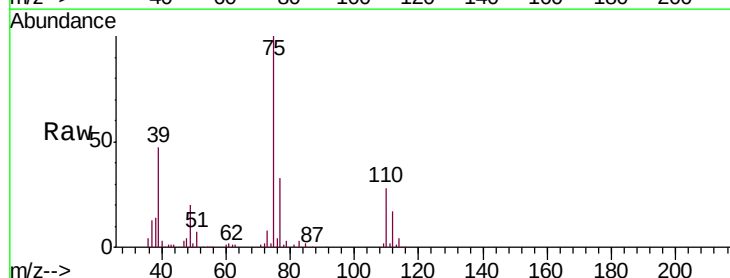
Acq: 18 Sep 2018 12:35

Tgt Ion: 75 Resp: 90026

Ion Ratio Lower Upper

75 100

77 33.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007598.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007599.D (-1963) (-)

7.70

60000

50000

40000

30000

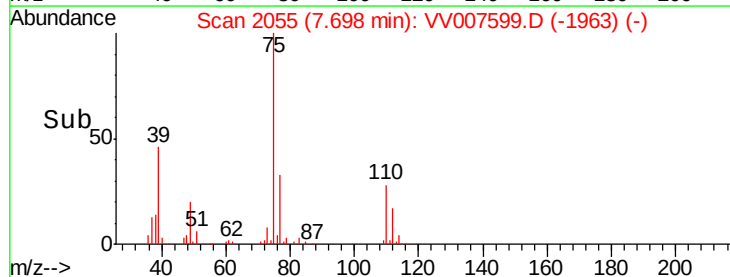
20000

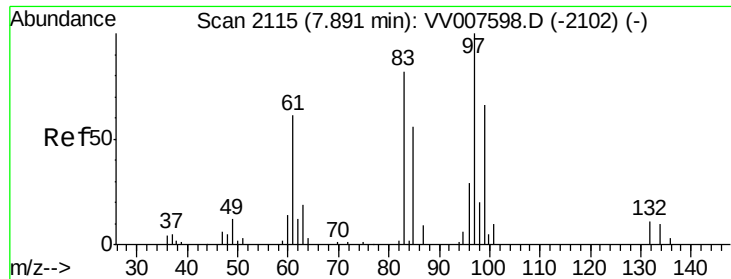
10000

0

7.60 7.70 7.80

Time-->

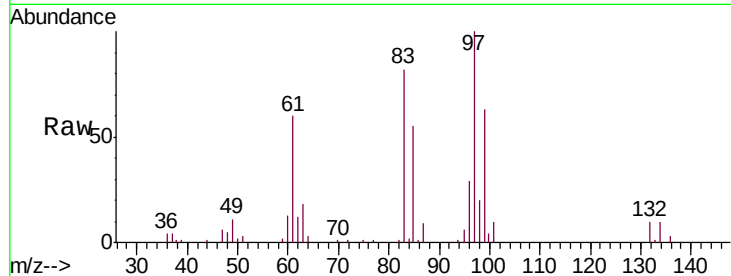




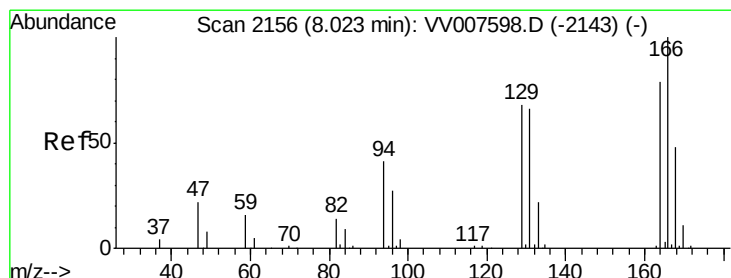
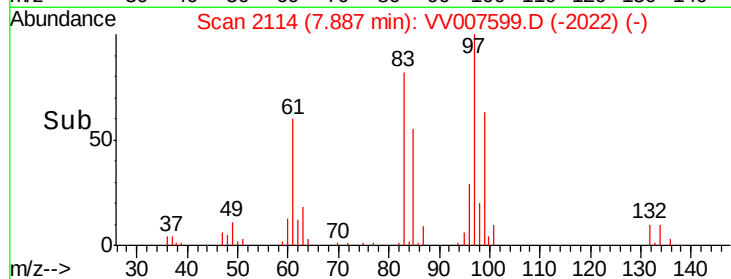
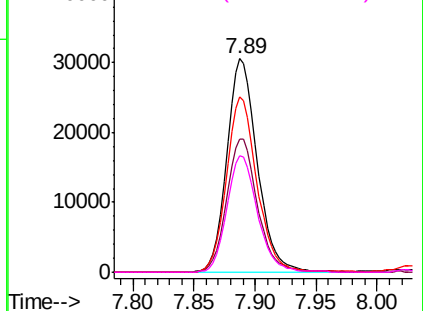
#45
 1,1,2-Trichloroethane
 Concen: 11.609 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

Tgt Ion:	97	Resp:	53485
Ion	Ratio	Lower	Upper
97	100		
99	62.5	45.9	85.3
83	81.8	57.2	106.2
85	54.7	38.9	72.3

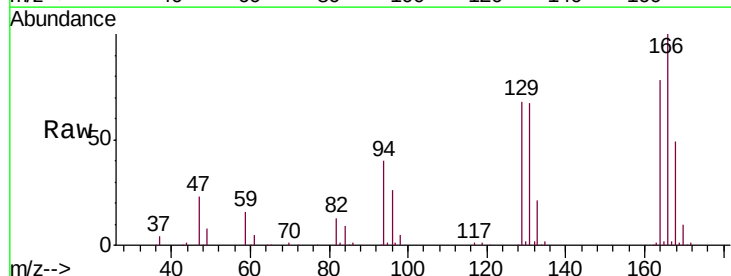


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

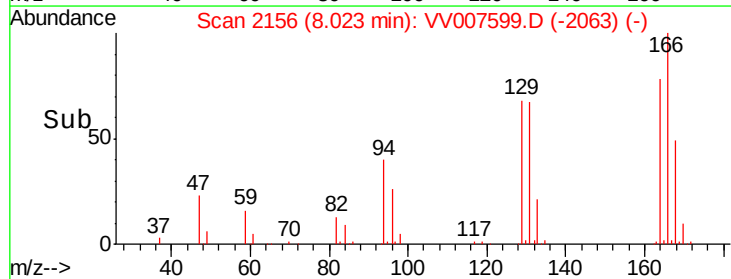
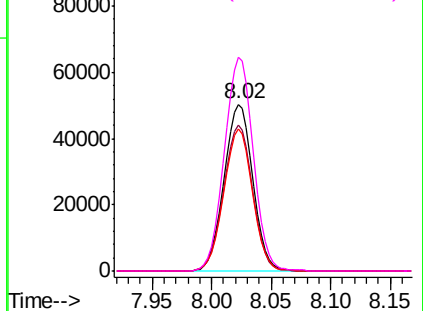


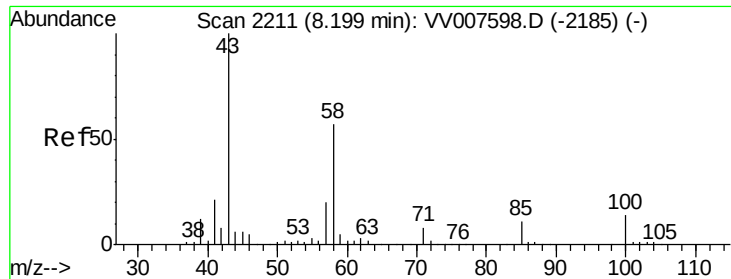
#47
 Tetrachloroethene
 Concen: 12.066 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion:	164	Resp:	84439
Ion	Ratio	Lower	Upper
164	100		
129	87.4	60.0	111.4
131	85.4	58.8	109.2
166	128.1	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

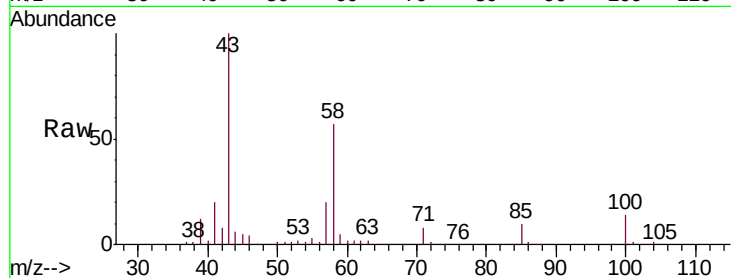




#48
2-Hexanone
Concen: 115.879 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007599.D
Acq: 18 Sep 2018 12:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD01069

Tgt Ion:	43	Resp:	300711
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.5	68.3
57	20.6	16.3	24.5
100	13.2	10.7	16.1

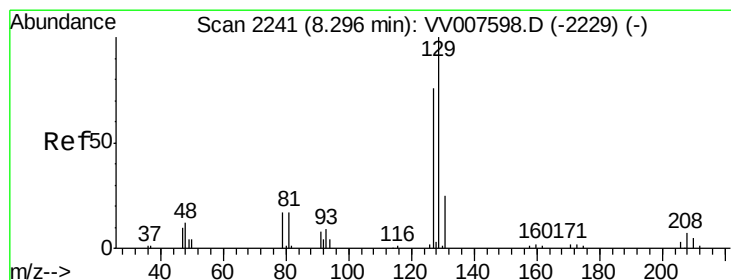
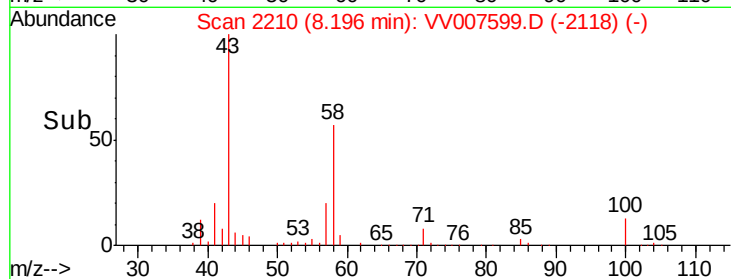
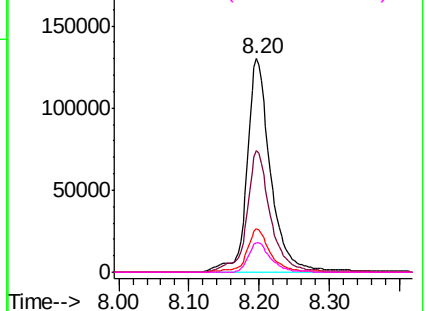


Abundance Ion 43.05 (42.75 to 43.75): VV007599.D (-2186) (-)

Ion 58.05 (57.75 to 58.75): VV007599.D (-2187) (-)

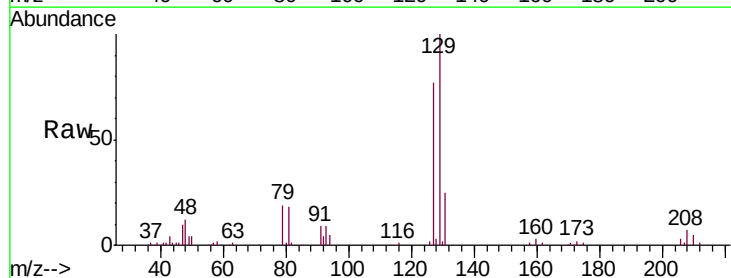
Ion 57.20 (56.90 to 57.90): VV007599.D (-2188) (-)

Ion 100.15 (99.85 to 100.85): VV007599.D (-2189) (-)



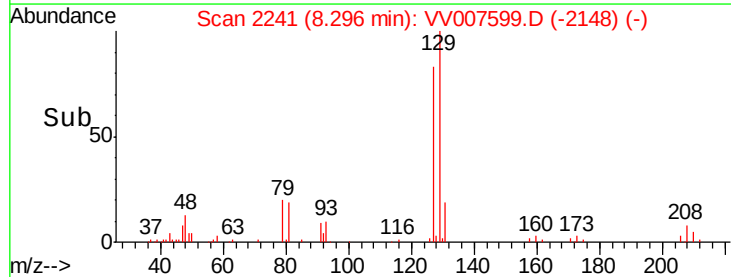
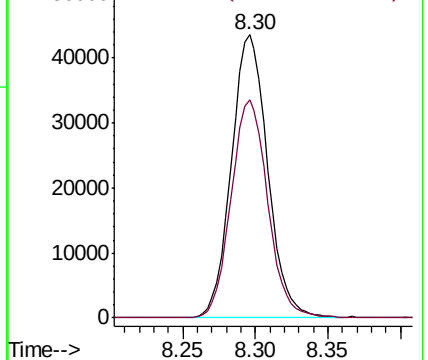
#49
Dibromochloromethane
Concen: 11.683 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007599.D
Acq: 18 Sep 2018 12:35

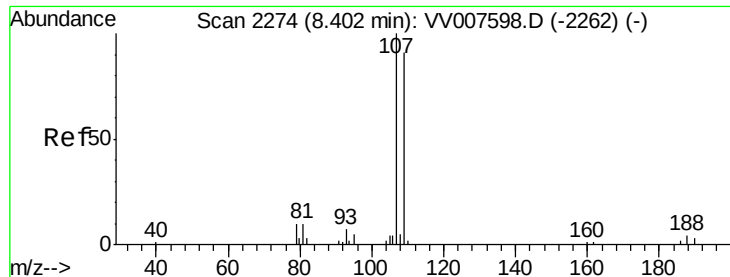
Tgt Ion:	129	Resp:	75651
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): VV007599.D (-2230) (-)

Ion 126.90 (126.60 to 127.60): VV007599.D (-2231) (-)

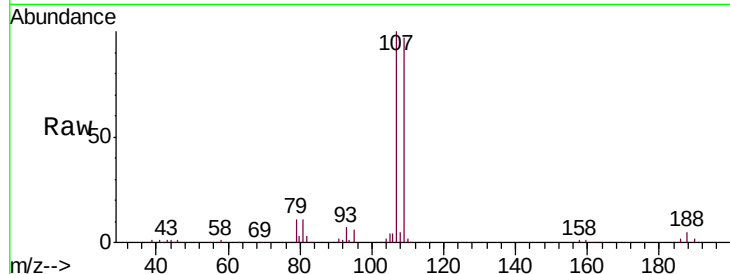




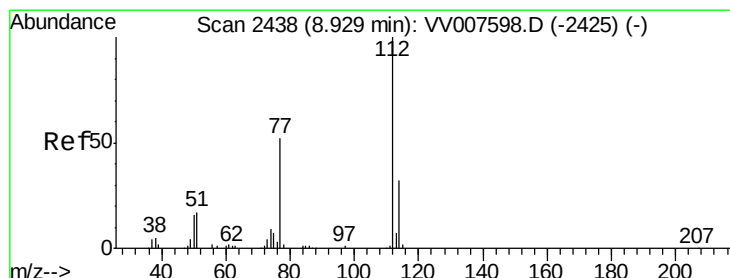
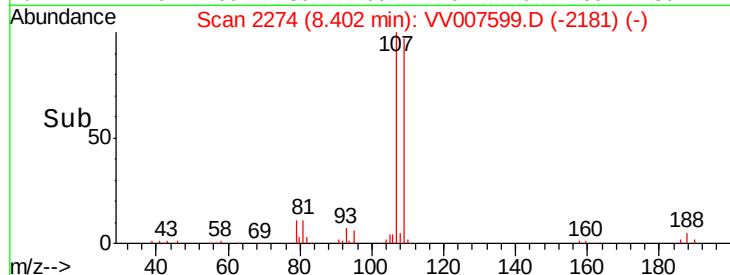
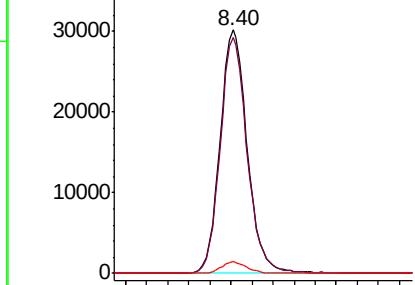
#50
 1,2-Dibromoethane
 Concen: 11.995 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.0	63.8	118.6
188	4.7	3.6	5.4

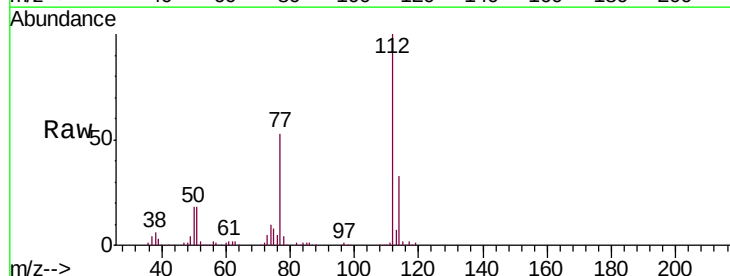


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

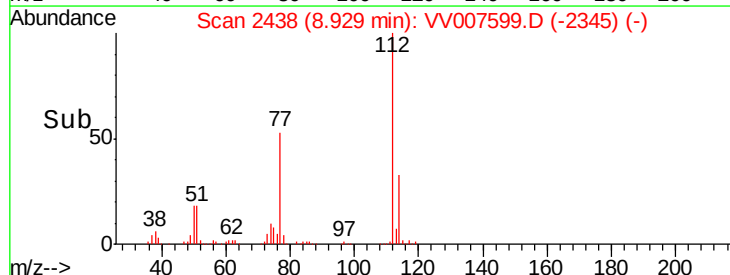
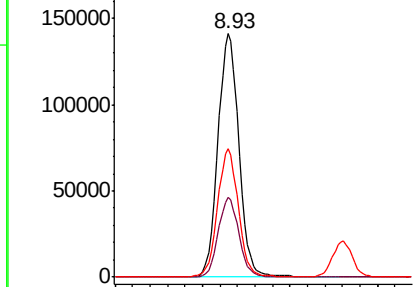


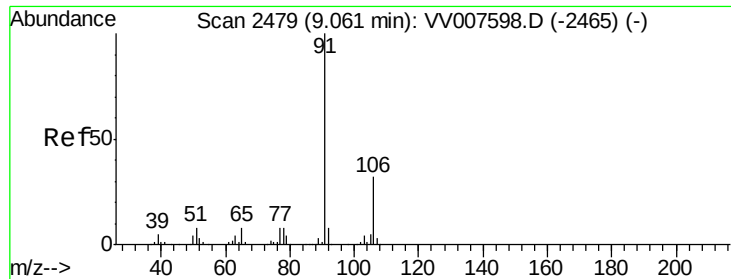
#51
 Chlorobenzene
 Concen: 12.005 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.3	41.5
77	52.8	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): V





#52

Ethylbenzene

Concen: 11.869 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampled :

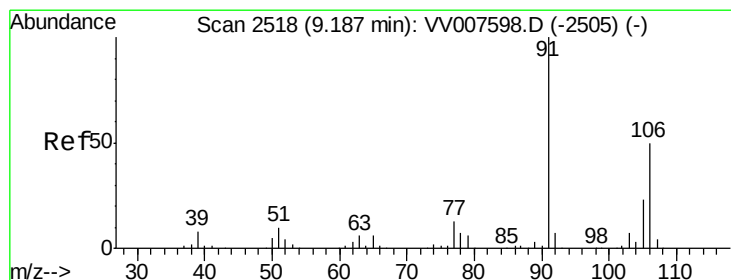
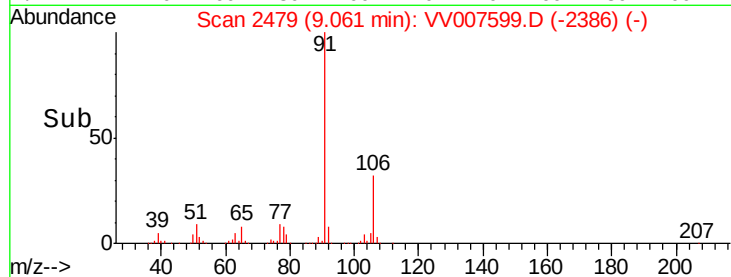
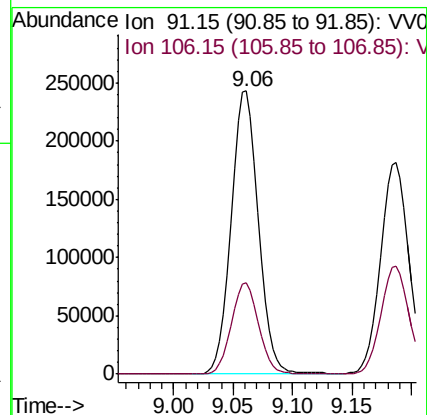
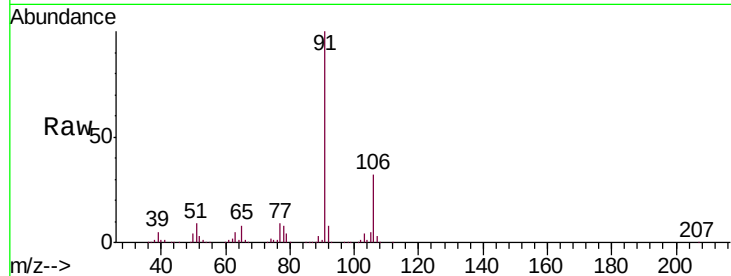
VSTD01069

Tgt Ion: 91 Resp: 385867

Ion Ratio Lower Upper

91 100

106 32.4 22.5 41.9



#53

m,p-xylene

Concen: 12.162 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007599.D

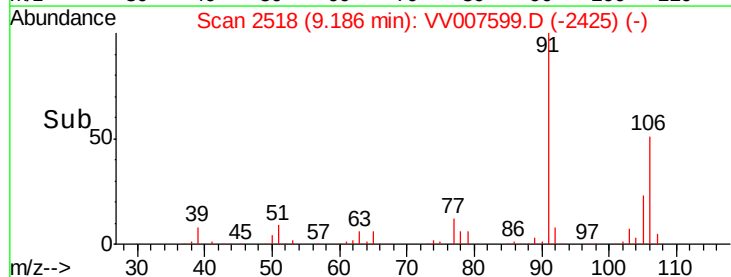
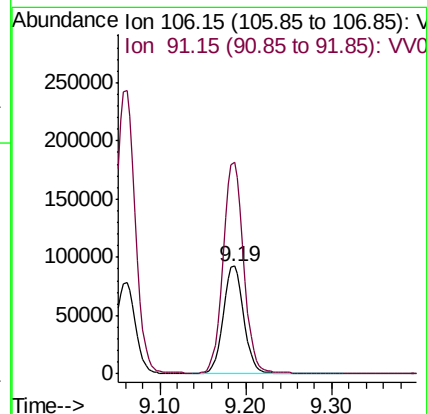
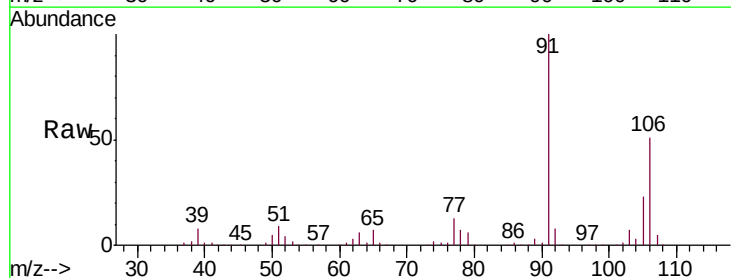
Acq: 18 Sep 2018 12:35

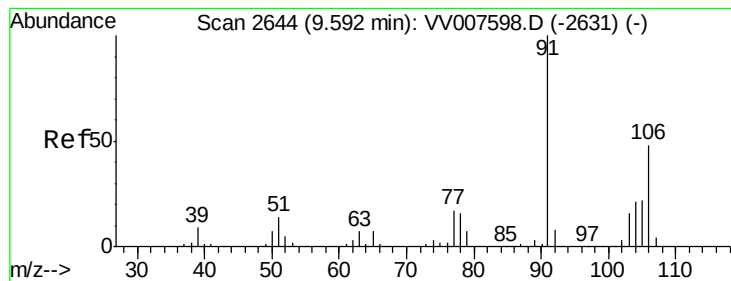
Tgt Ion: 106 Resp: 153475

Ion Ratio Lower Upper

106 100

91 196.0 139.4 258.8





#54

o-xylene

Concen: 11.930 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

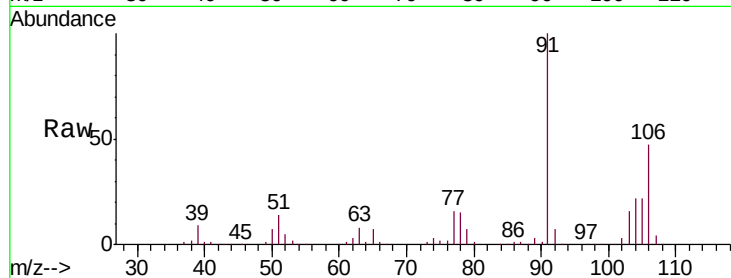
VSTD01069

Tgt Ion:106 Resp: 146828

Ion Ratio Lower Upper

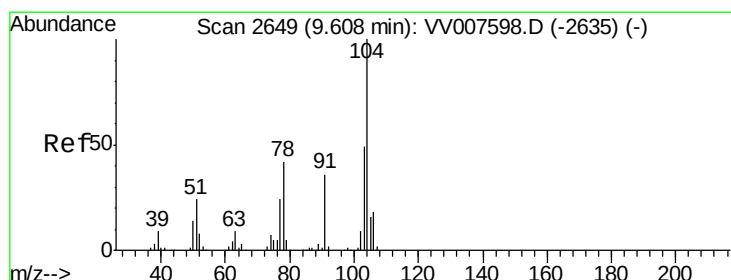
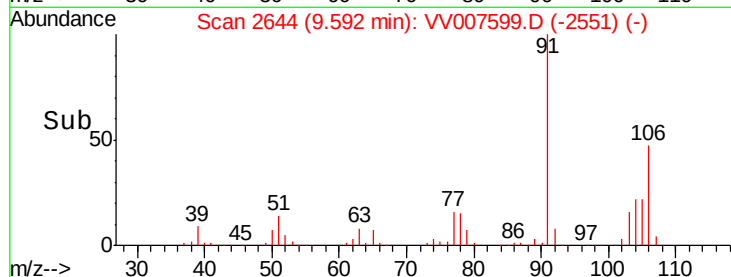
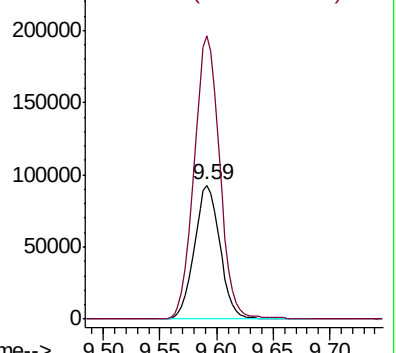
106 100

91 211.5 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 12.353 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007599.D

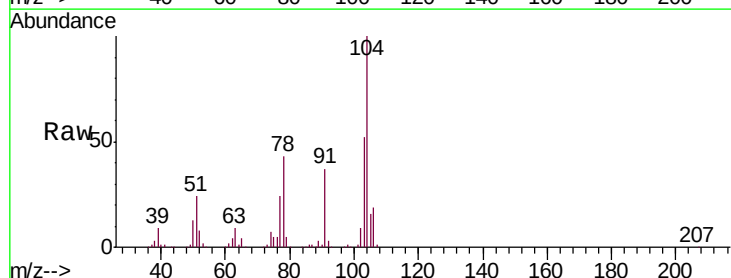
Acq: 18 Sep 2018 12:35

Tgt Ion:104 Resp: 248917

Ion Ratio Lower Upper

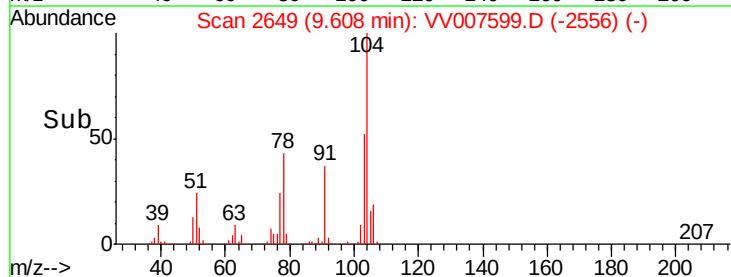
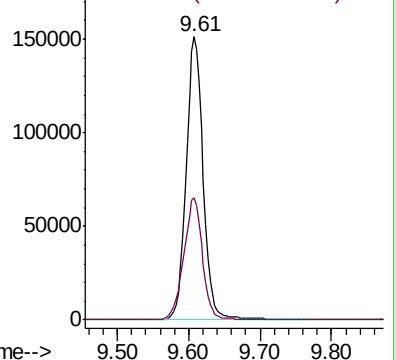
104 100

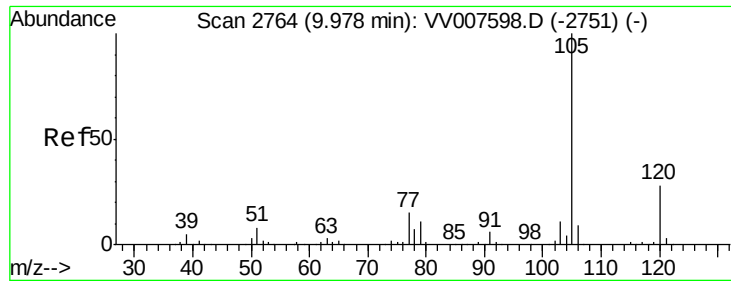
78 43.2 29.7 55.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 12.075 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01069

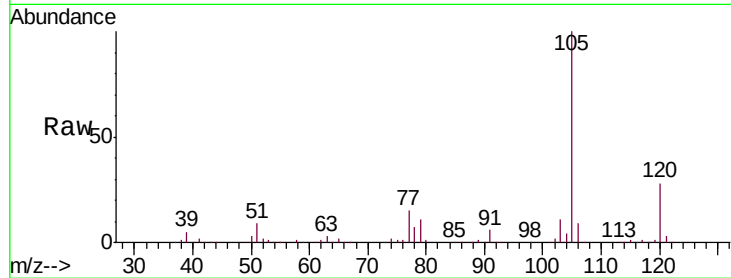
Tgt Ion:105 Resp: 406181

Ion Ratio Lower Upper

105 100

120 27.4 22.1 33.1

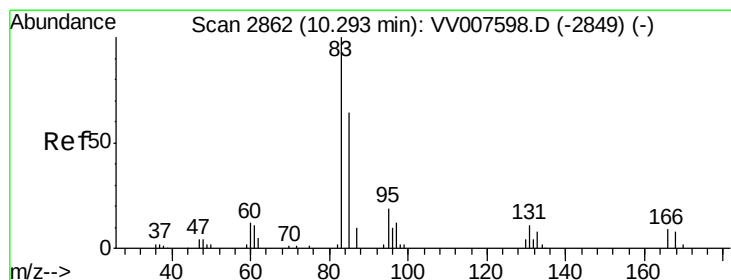
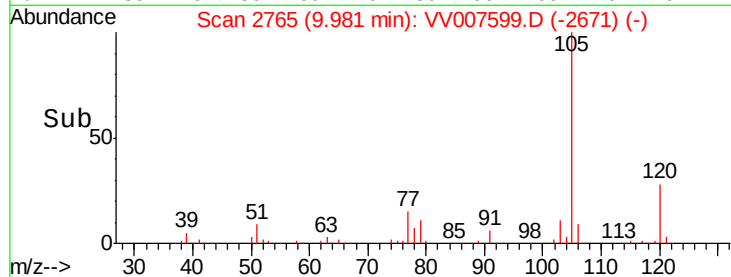
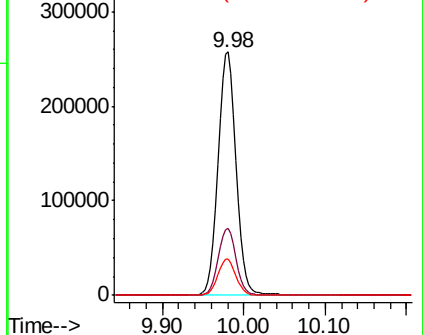
77 15.0 12.0 18.0



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: 12.133 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

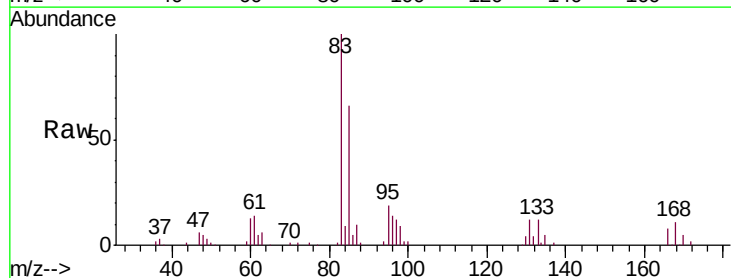
Tgt Ion: 83 Resp: 53725

Ion Ratio Lower Upper

83 100

85 65.6 44.9 83.5

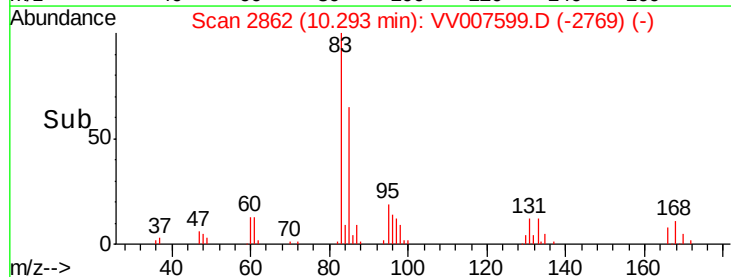
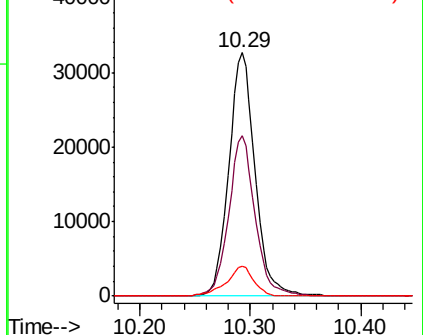
131 12.3 9.0 13.6

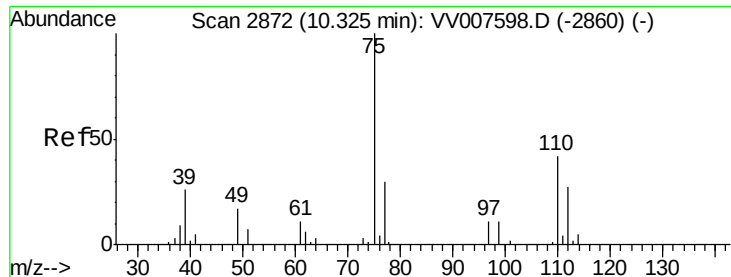


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 11.963 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

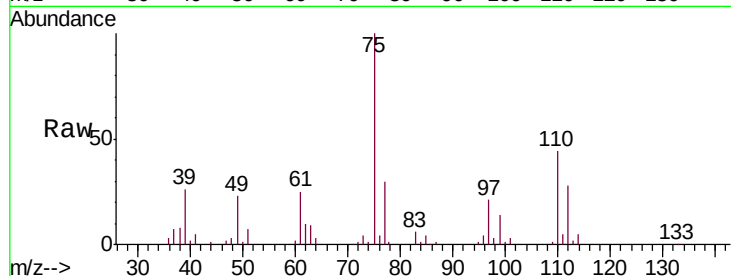
VSTD01069

Tgt Ion: 75 Resp: 44910

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

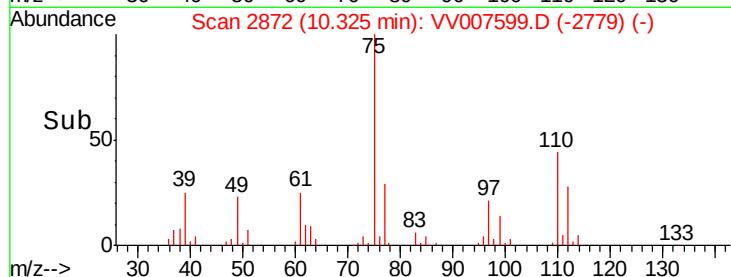


Abundance Ion 75.00 (74.70 to 75.70): VV007598.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007598.D (-2860) (-)

10.32

Time-->

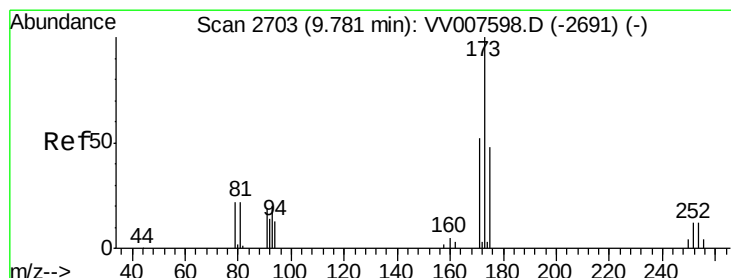


Abundance Ion 75.00 (74.70 to 75.70): VV007599.D (-2779) (-)

Ion 77.00 (76.70 to 77.70): VV007599.D (-2779) (-)

10.32

Time-->



#61

Bromoform

Concen: 11.398 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

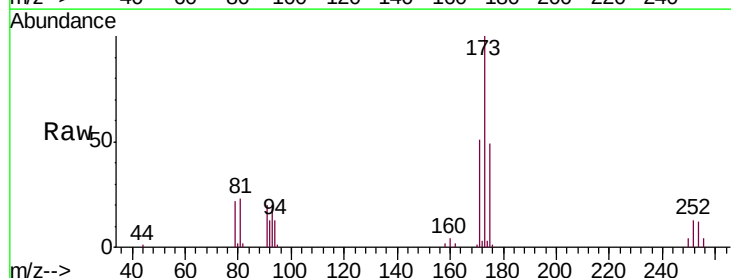
Tgt Ion: 173 Resp: 45437

Ion Ratio Lower Upper

173 100

175 48.1 38.2 57.4

254 11.4 8.9 13.3



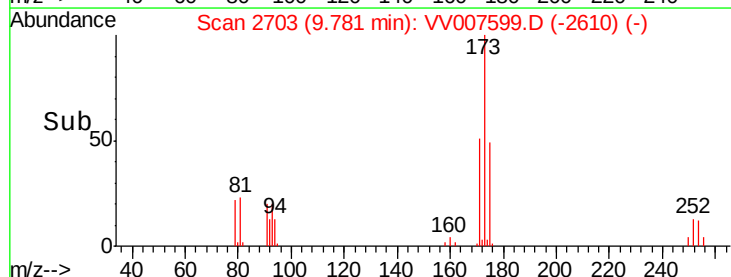
Abundance Ion 172.90 (172.60 to 173.60): VV007598.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007598.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007598.D (-2691) (-)

9.78

Time-->



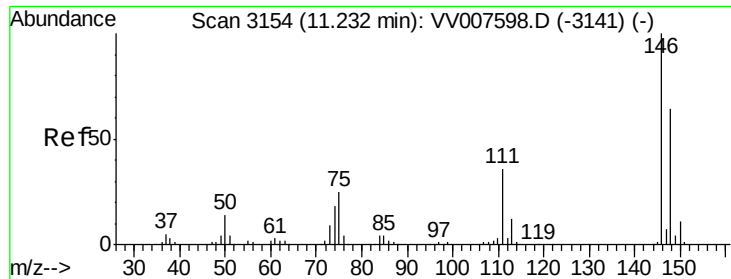
Abundance Ion 172.90 (172.60 to 173.60): VV007599.D (-2610) (-)

Ion 174.90 (174.60 to 175.60): VV007599.D (-2610) (-)

Ion 253.75 (253.45 to 254.45): VV007599.D (-2610) (-)

9.78

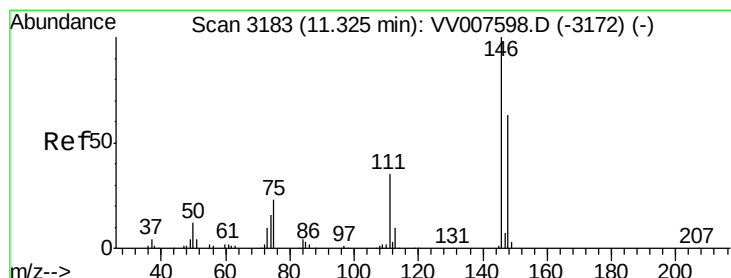
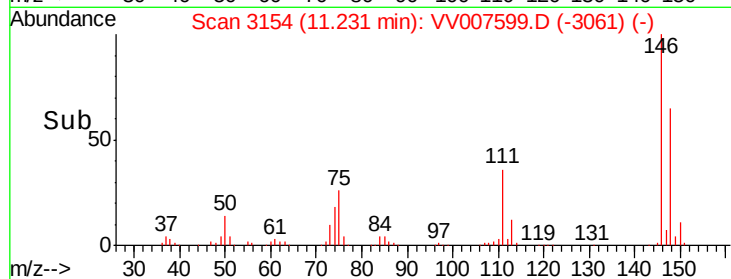
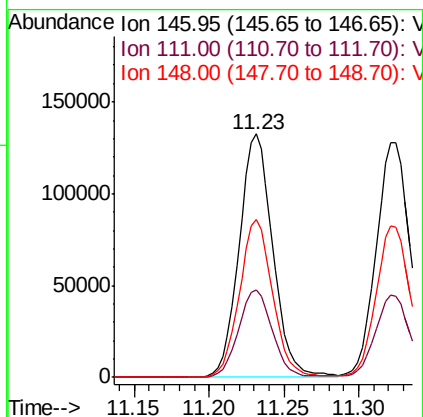
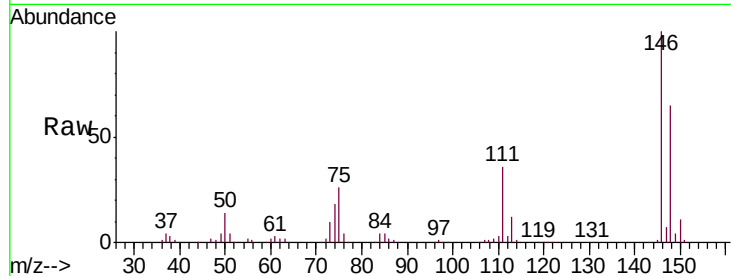
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 11.813 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

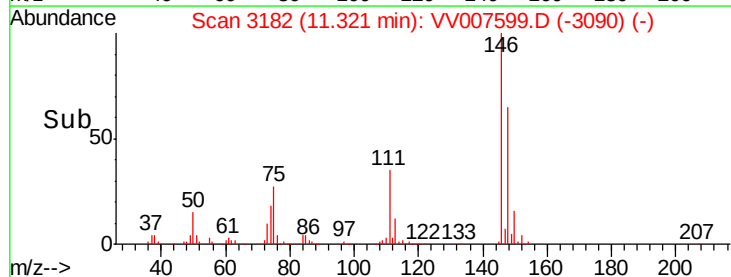
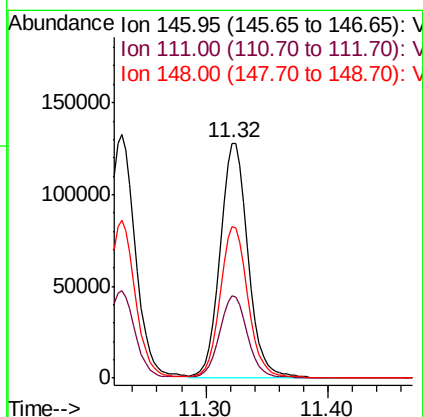
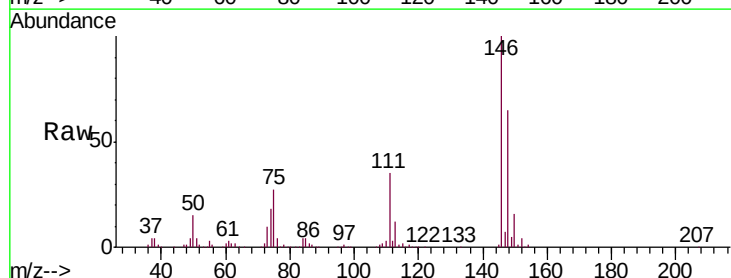
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

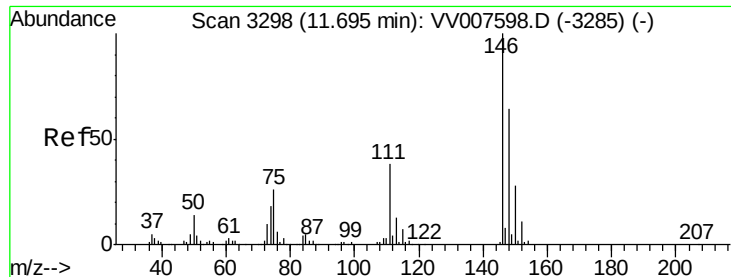
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	25.0	46.4
148	65.0	44.6	82.8



#63
 1,4-Dichlorobenzene
 Concen: 11.816 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	24.5	45.5
148	64.5	44.0	81.8

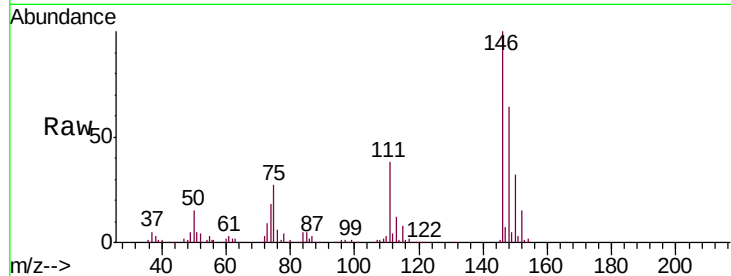




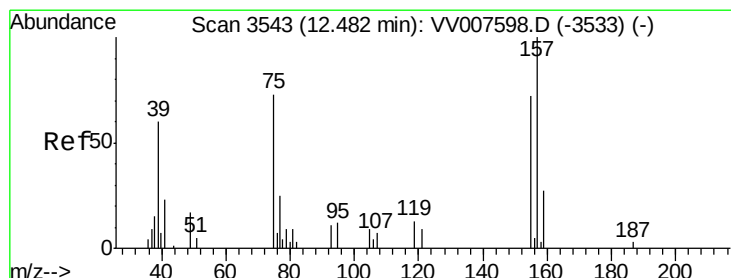
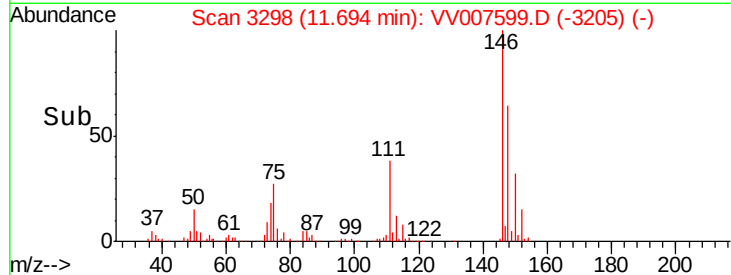
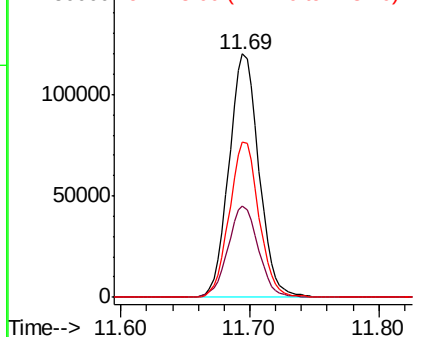
#65
 1,2-Dichlorobenzene
 Concen: 11.852 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

Tgt Ion: 146 Resp: 193506
 Ion Ratio Lower Upper
 146 100
 111 37.7 30.6 46.0
 148 64.0 51.3 76.9

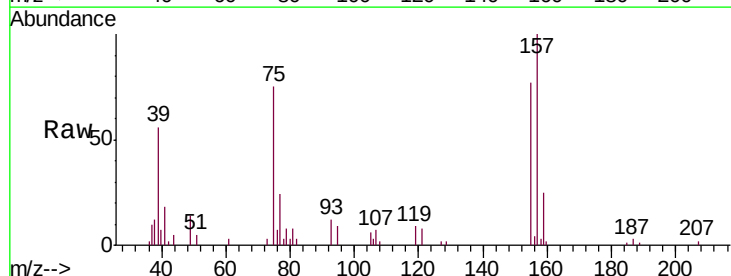


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

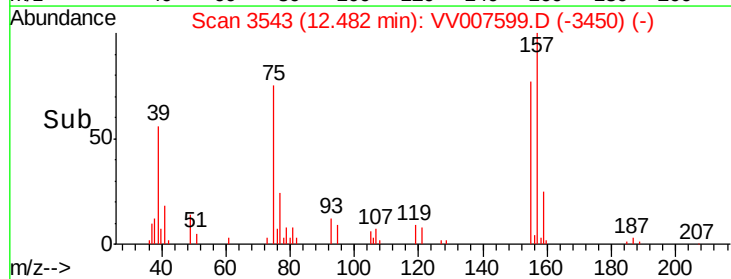
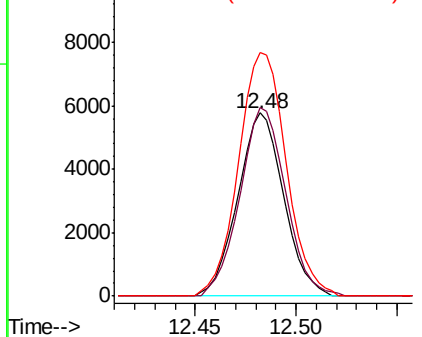


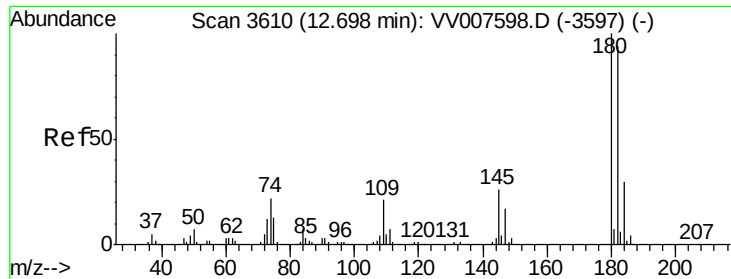
#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.482 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion: 75 Resp: 9208
 Ion Ratio Lower Upper
 75 100
 155 102.8 79.1 118.7
 157 132.7 109.8 164.6



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

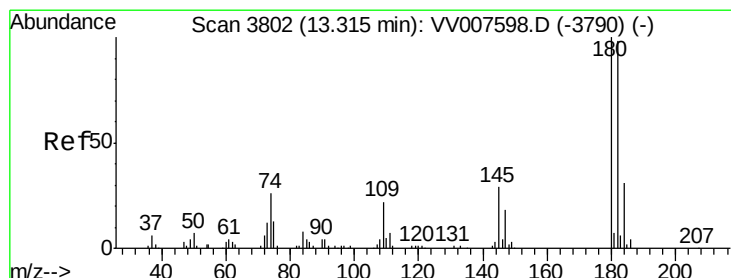
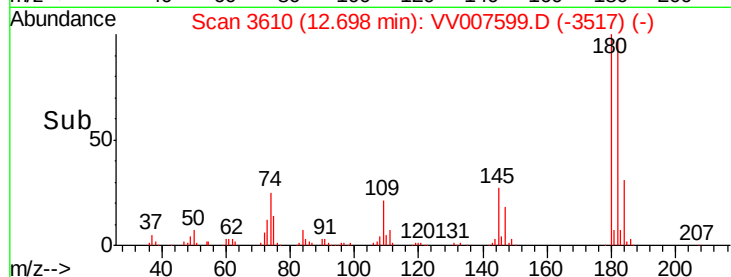
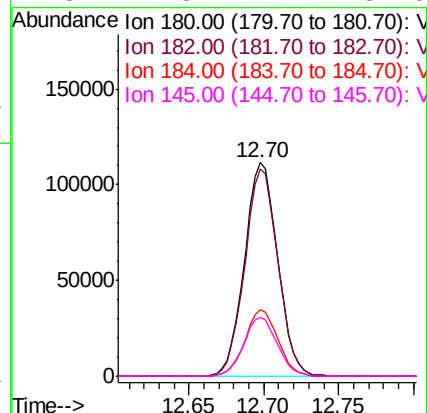
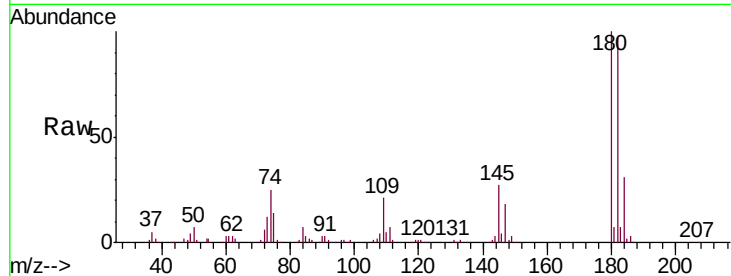




#67
 1,3,5-Trichlorobenzene
 Concen: 12.492 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

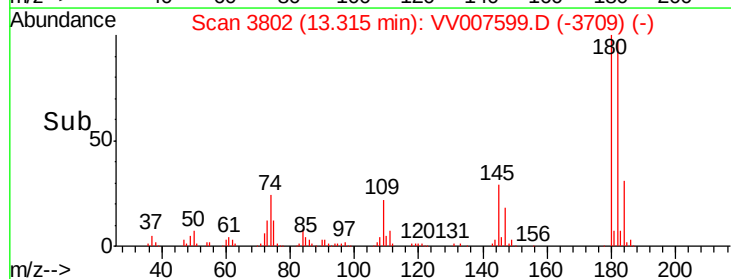
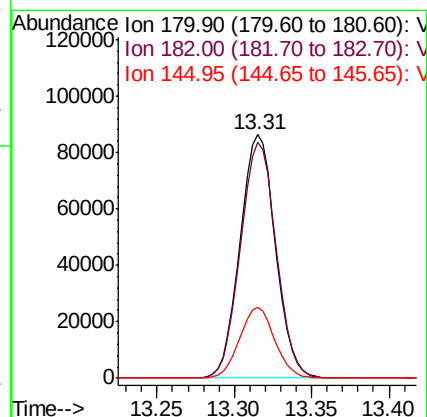
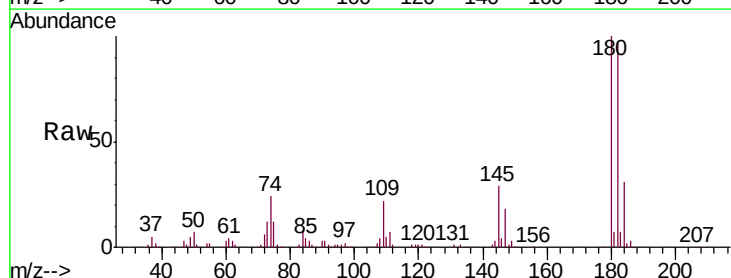
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01069

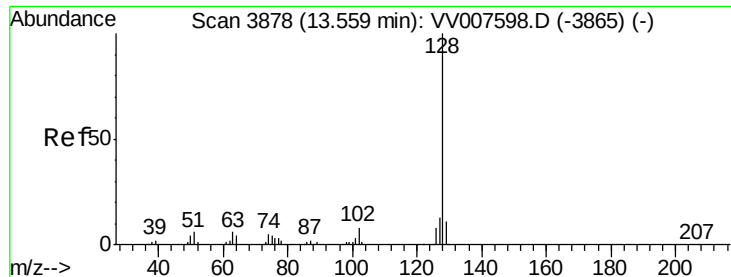
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.4	113.2
184	30.8	24.6	36.8
145	27.8	21.4	32.0



#68
 1,2,4-trichlorobenzene
 Concen: 13.957 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007599.D
 Acq: 18 Sep 2018 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
145	28.7	23.1	34.7





#69

Naphthalene

Concen: 14.868 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01069

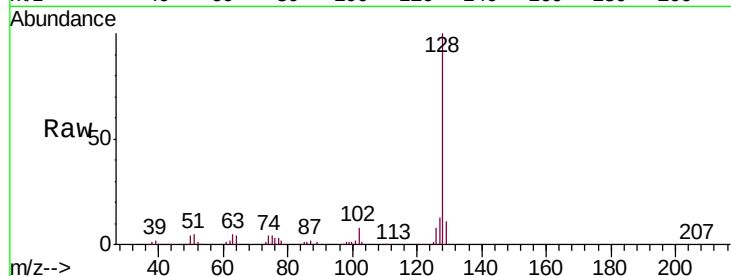
Tgt Ion:128 Resp: 174389

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

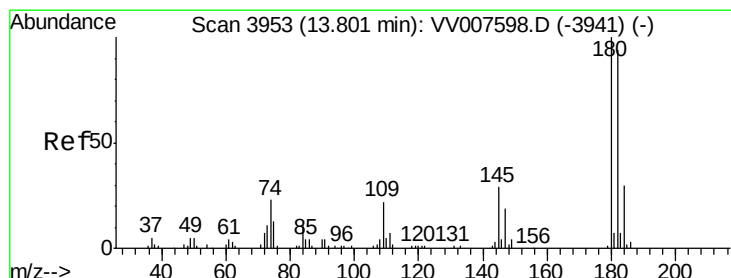
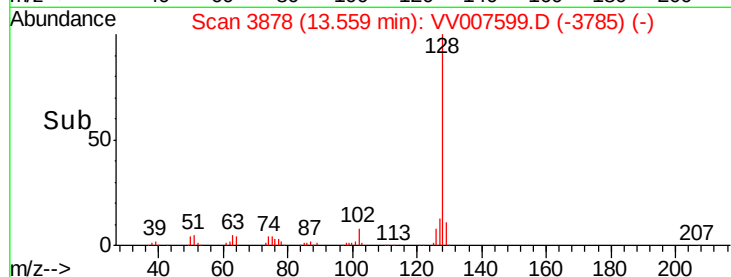
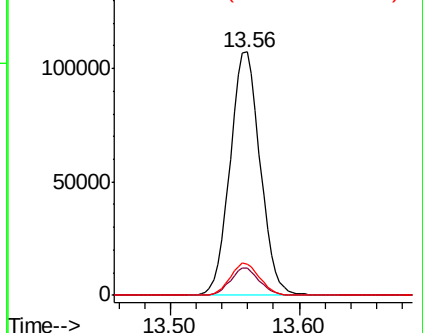
127 12.9 10.4 15.6



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: 13.766 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007599.D

Acq: 18 Sep 2018 12:35

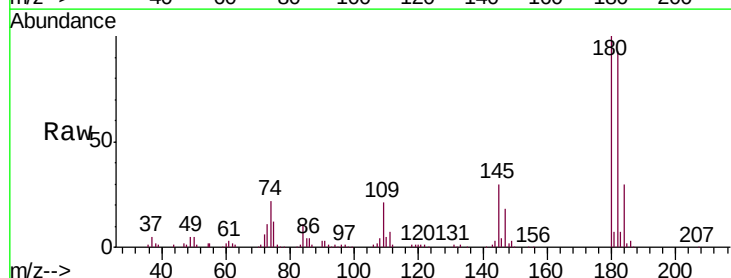
Tgt Ion:180 Resp: 123974

Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

145 29.8 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

