

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007965.D
 Acq On : 28 Sep 2018 20:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Quant Time: Oct 01 01:55:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 01:51:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	83004	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21031	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.59	69	19494	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.14	63	49602	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	3.96	46	70027	52.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	4.41	84	54185	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.09	65	28238	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	98923	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.12	67	31317	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	100851	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	7.67	79	11202	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.14	63	54403	52.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.72%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24937	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	40725	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	38031	5.463	ug/L 100
3) Chloromethane	1.25	50	33448	5.400	ug/L 99
5) Vinyl chloride	1.32	62	36137	5.450	ug/L 96
6) Bromomethane	1.54	94	19959	4.880	ug/L 99
8) Chloroethane	1.60	64	22668	5.668	ug/L 97
9) Trichlorofluoromethane	1.78	101	58820	5.433	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32731	5.331	ug/L 100
12) 1,1-Dichloroethene	2.14	96	29557	5.387	ug/L 99
13) Acetone	2.22	43	45877	47.046	ug/L 99
14) Carbon disulfide	2.32	76	75518	5.078	ug/L 100
15) Methyl Acetate	2.47	43	12284	4.926	ug/L 99
16) Methylene chloride	2.54	84	31384	5.148	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	70568	5.206	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	31796	5.257	ug/L 97
19) 1,1-Dichloroethane	3.23	63	54885	5.319	ug/L 98
21) 2-Butanone	4.05	43	78643	50.619	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	33210	5.423	ug/L 93

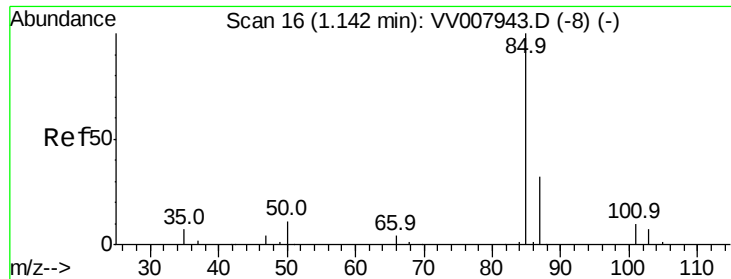
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007965.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 01:51:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	14884	5.589	ug/L	96
25) Chloroform	4.43	83	60751	5.443	ug/L	99
27) 1,2-Dichloroethane	5.19	62	38336	5.337	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	52655	5.473	ug/L	99
30) Cyclohexane	4.73	56	48019	5.310	ug/L	98
31) Carbon tetrachloride	4.88	117	47944	5.653	ug/L	99
33) Benzene	5.15	78	128488	5.608	ug/L	100
34) Trichloroethene	5.96	95	34328	5.233	ug/L	96
35) Methylcyclohexane	6.18	83	52102	5.297	ug/L	99
37) 1,2-Dichloropropane	6.23	63	32888	5.619	ug/L	100
38) Bromodichloromethane	6.56	83	38329	5.477	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	40667	5.194	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	195672	53.266	ug/L	100
42) Toluene	7.43	91	142445	5.709	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	33335	5.122	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	23419	5.545	ug/L	97
47) Tetrachloroethene	8.02	164	32020	5.267	ug/L	98
48) 2-Hexanone	8.19	43	136526	53.436	ug/L	99
49) Dibromochloromethane	8.30	129	26668	5.531	ug/L	95
50) 1,2-Dibromoethane	8.40	107	21137	5.475	ug/L	99
51) Chlorobenzene	8.93	112	94187	5.465	ug/L	99
52) Ethylbenzene	9.06	91	151838	5.455	ug/L	98
53) m,p-xylene	9.19	106	58631	5.532	ug/L	98
54) o-xylene	9.59	106	55591	5.430	ug/L	99
55) Styrene	9.61	104	96667	5.530	ug/L	98
56) Isopropylbenzene	9.98	105	153976	5.554	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	27102	5.463	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	19512	5.358	ug/L	99
61) Bromoform	9.78	173	14110	5.425	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	75698	5.294	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	78179	5.259	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	73436	5.448	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3667	5.341	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	65258	5.330	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	52051	5.030	ug/L	99
69) Naphthalene	13.56	128	71370	4.931	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	48835	5.211	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.463 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

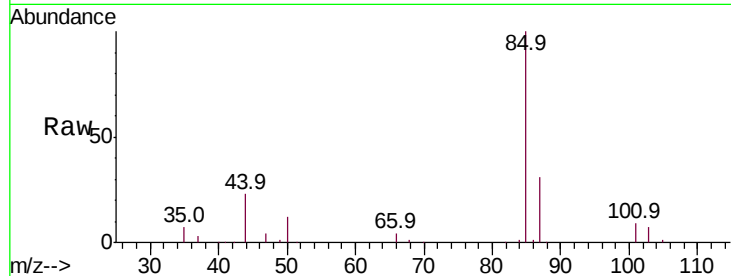
VSTD00561

Tot Ion: 85 Resp: 38031

Ion Ratio Lower Upper

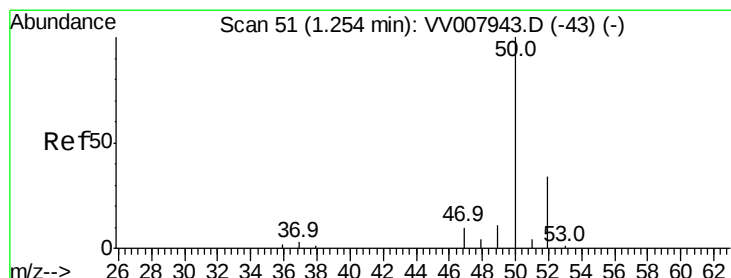
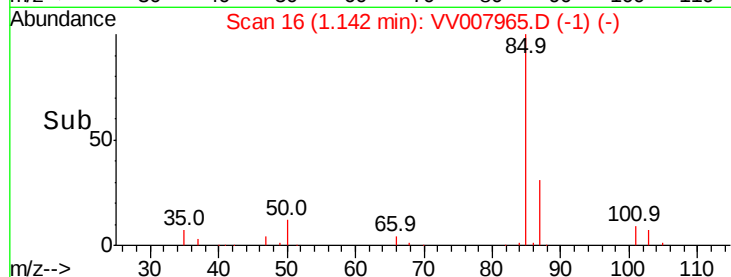
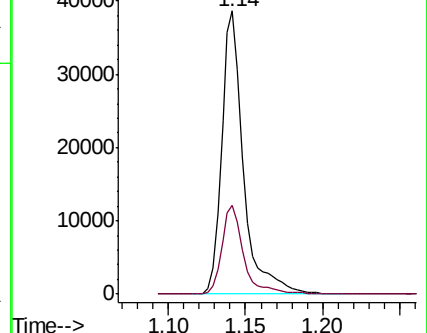
85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007943.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007943.D (-8) (-)



#3

Chloromethane

Concen: 5.400 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007965.D

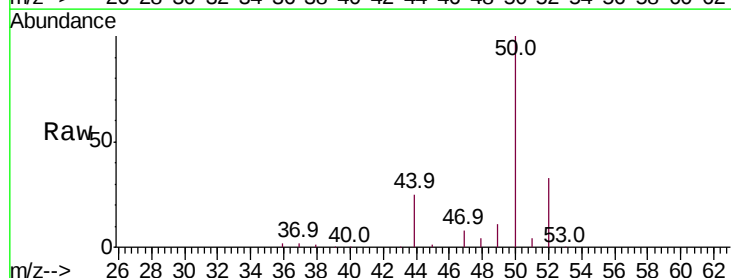
Acq: 28 Sep 2018 20:51

Tgt Ion: 50 Resp: 33448

Ion Ratio Lower Upper

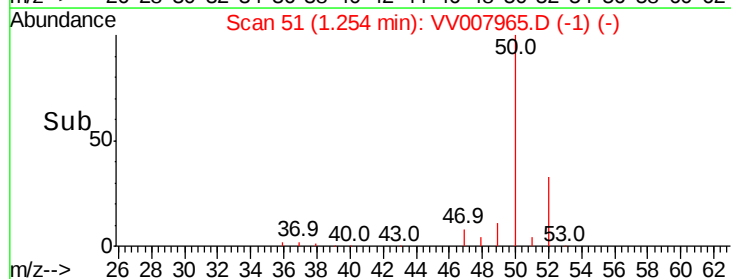
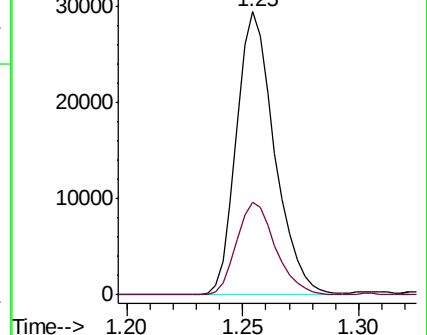
50 100

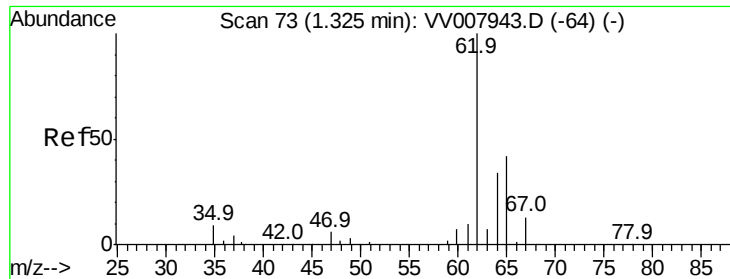
52 32.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007943.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007943.D (-43) (-)





#5

Vinyl chloride

Concen: 5.450 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

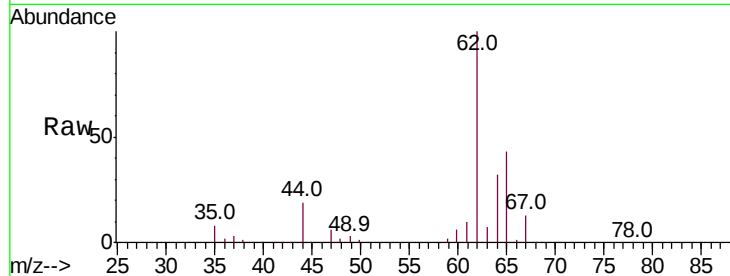
VSTD00561

Tot Ion: 62 Resp: 36137

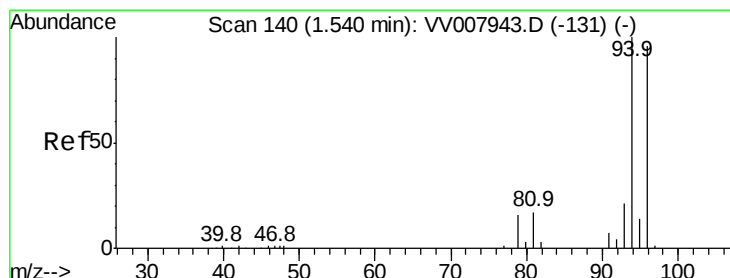
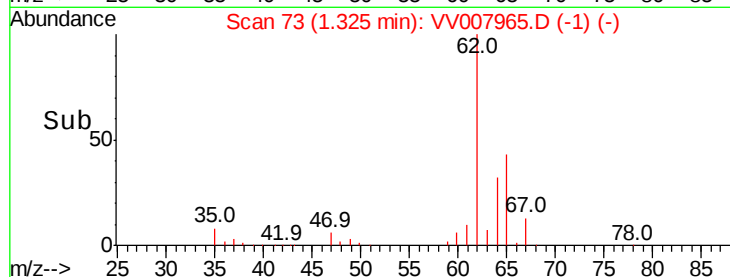
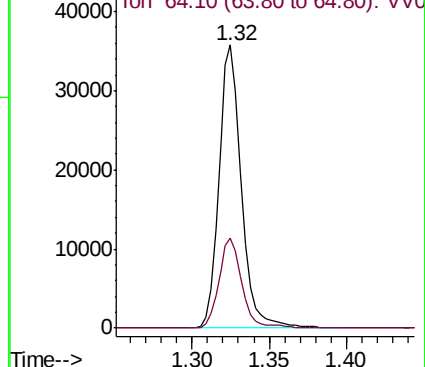
Ion Ratio Lower Upper

62 100

64 32.0 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007943.D (-64) (-)



#6

Bromomethane

Concen: 4.880 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV007965.D

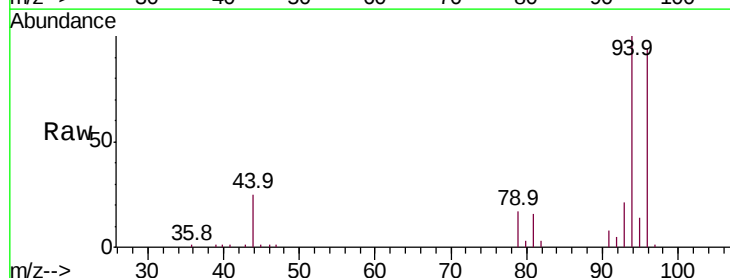
Acq: 28 Sep 2018 20:51

Tgt Ion: 94 Resp: 19959

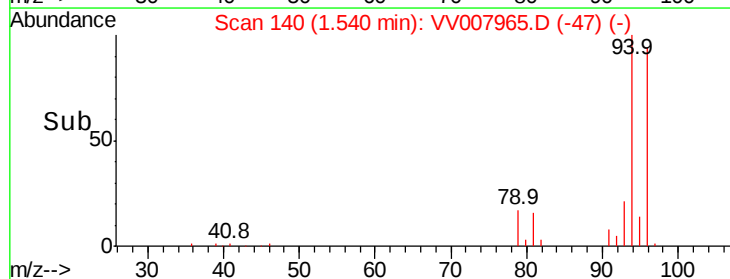
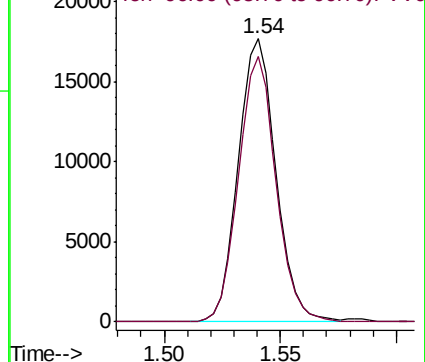
Ion Ratio Lower Upper

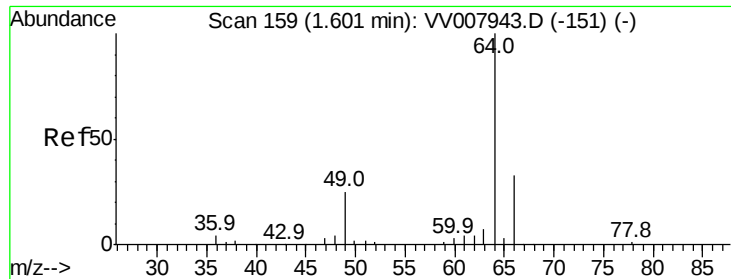
94 100

96 93.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007943.D (-131) (-)





#8

Chloroethane

Concen: 5.668 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

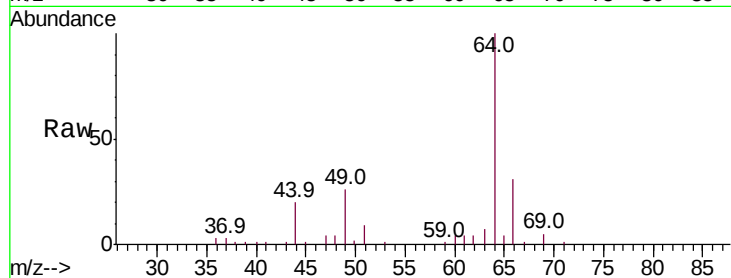
VSTD00561

Tot Ion: 64 Resp: 22668

Ion Ratio Lower Upper

64 100

66 31.1 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV007943.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV007943.D (-151) (-)

1.60

20000

15000

10000

5000

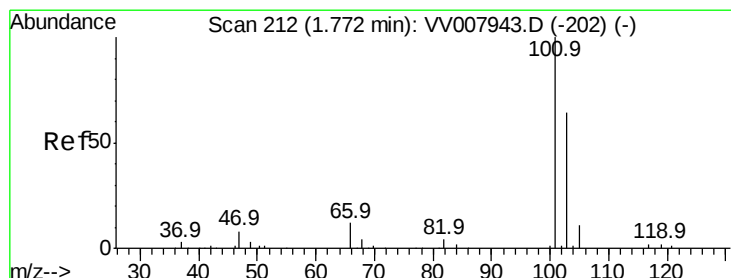
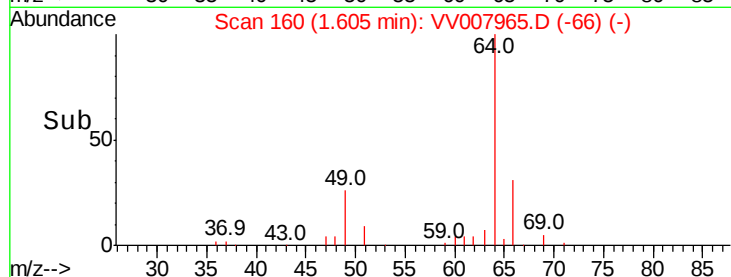
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 5.433 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007965.D

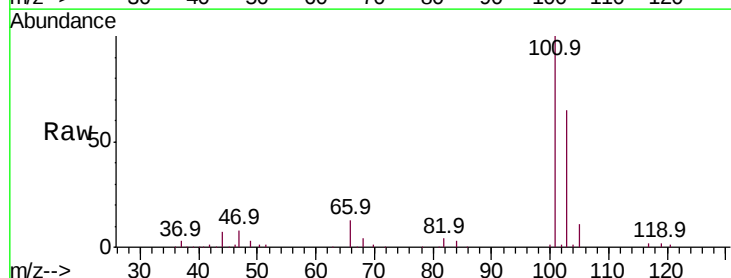
Acq: 28 Sep 2018 20:51

Tgt Ion:101 Resp: 58820

Ion Ratio Lower Upper

101 100

103 65.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007943.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007943.D (-202) (-)

1.78

50000

40000

30000

20000

10000

0

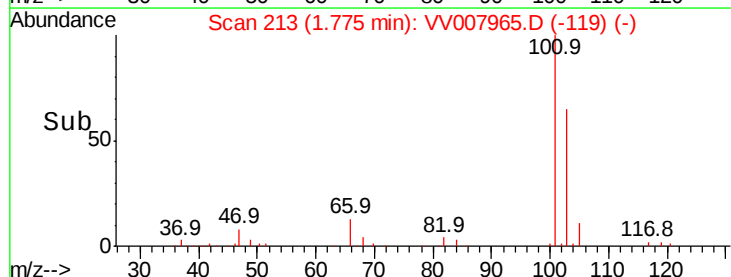
Time-->

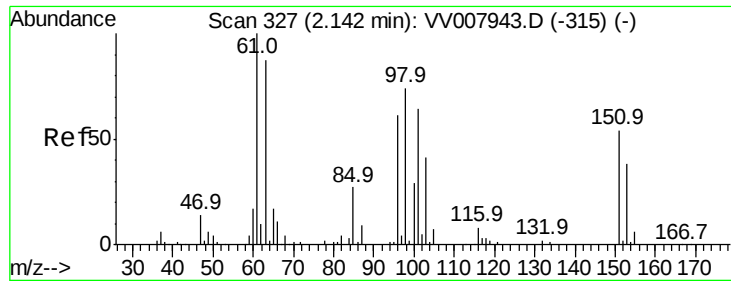
1.70

1.75

1.80

1.85





#10

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

Concen: 5.331 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampled :

VSTD00561

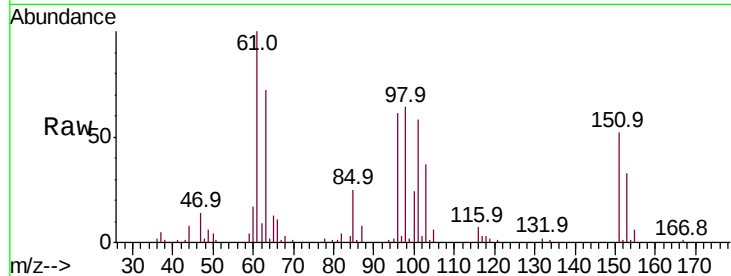
Tot Ion:101 Resp: 32731

Ion Ratio Lower Upper

101 100

85 43.2 34.7 52.1

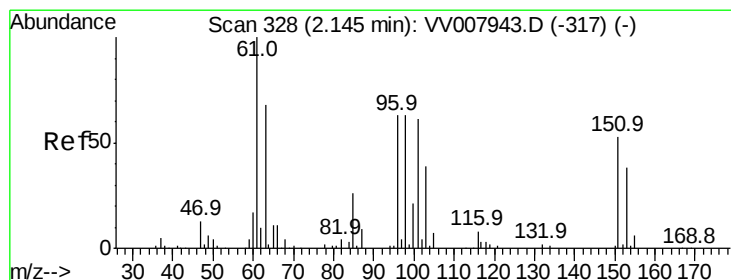
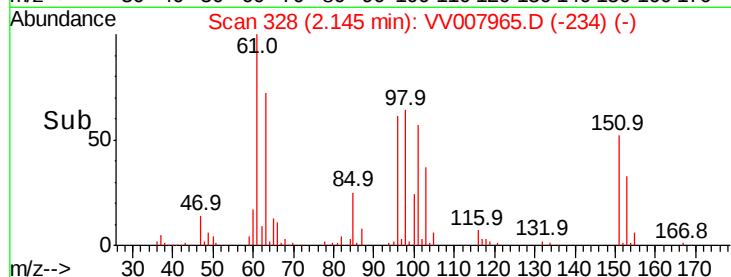
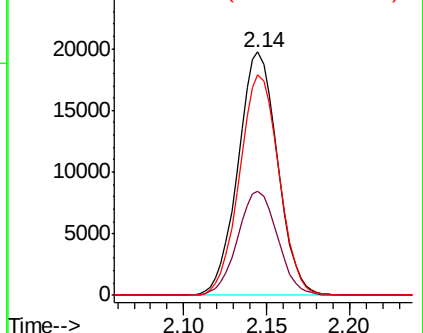
151 90.3 72.2 108.2



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: 5.387 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

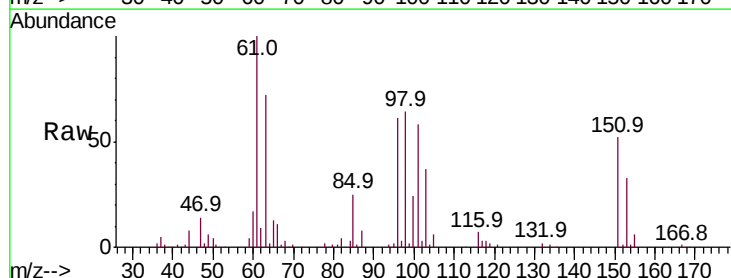
Tgt Ion: 96 Resp: 29557

Ion Ratio Lower Upper

96 100

61 163.7 114.1 211.9

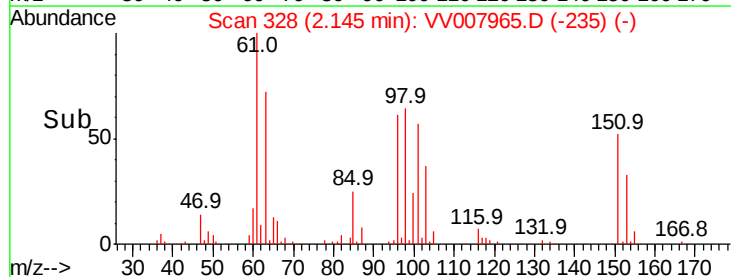
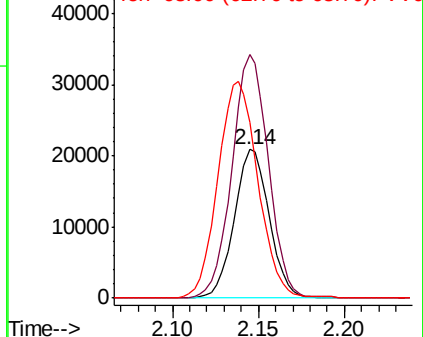
63 118.3 81.5 151.3

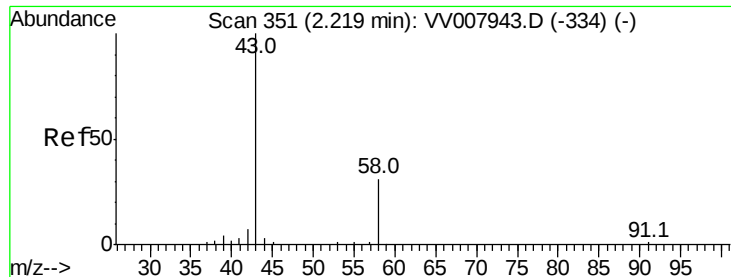


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.046 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

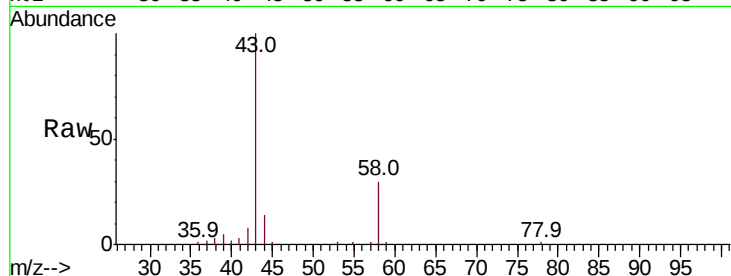
VSTD00561

Tot Ion: 43 Resp: 45877

Ion Ratio Lower Upper

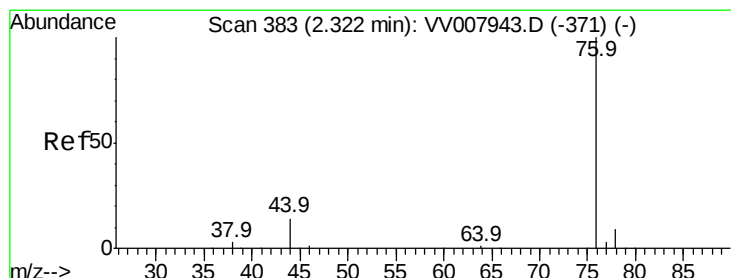
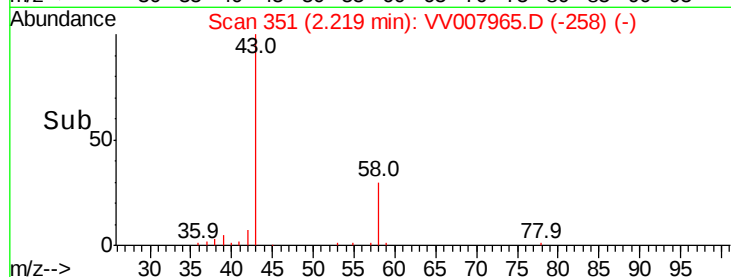
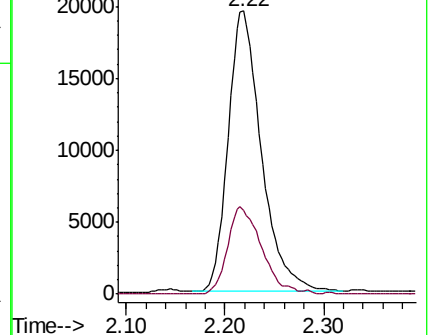
43 100

58 31.8 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007943.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007943.D (-334) (-)



#14

Carbon disulfide

Concen: 5.078 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007965.D

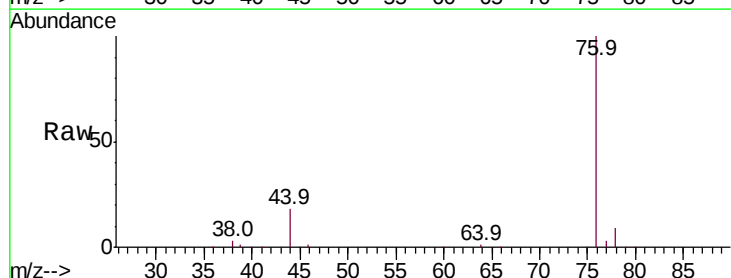
Acq: 28 Sep 2018 20:51

Tgt Ion: 76 Resp: 75518

Ion Ratio Lower Upper

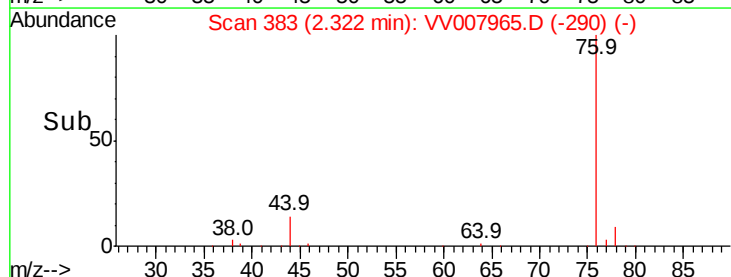
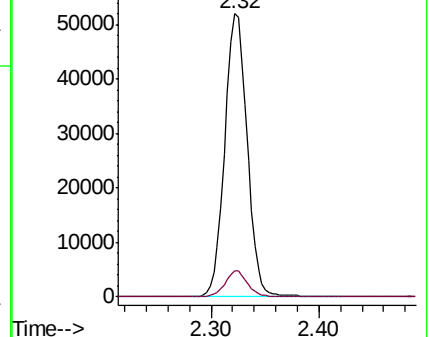
76 100

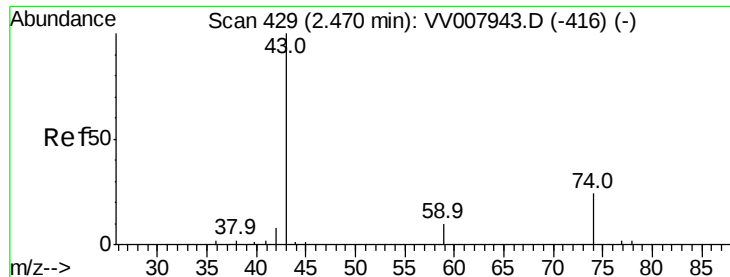
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007943.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV007943.D (-371) (-)

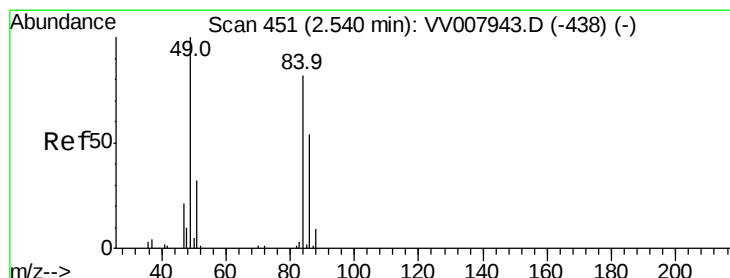
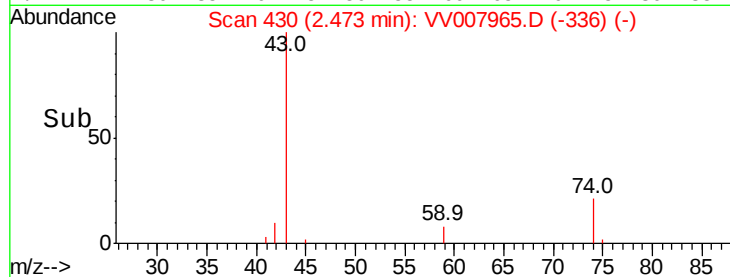
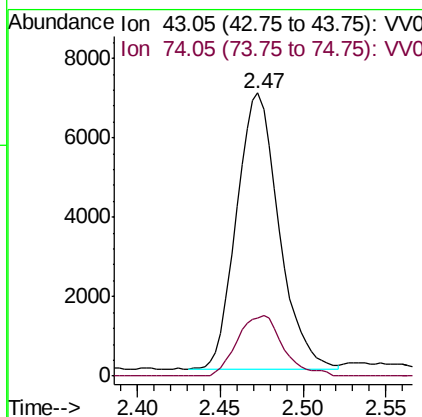
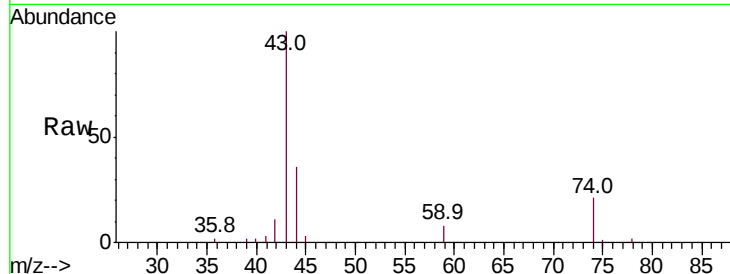




#15
Methvl Acetate
Concen: 4.926 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

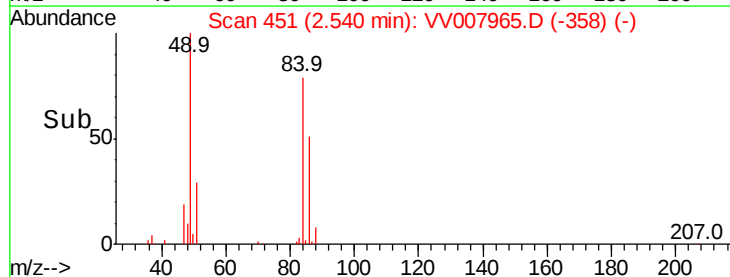
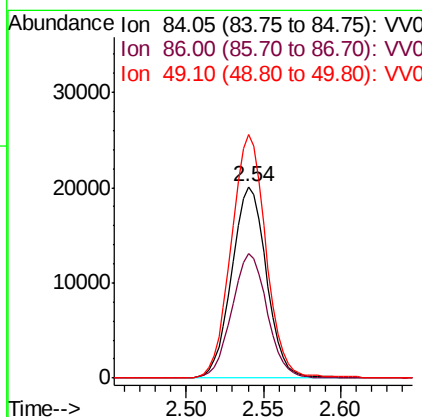
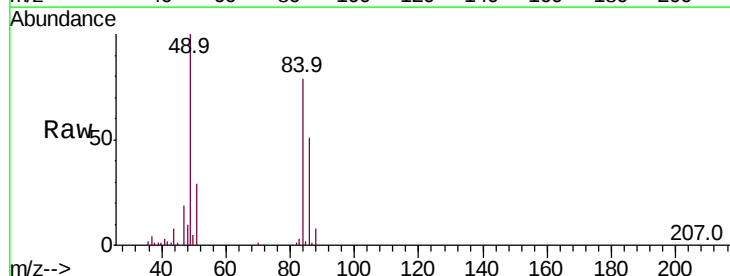
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

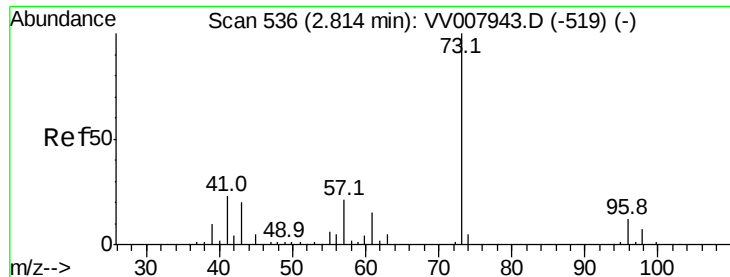
Tot Ion: 43 Resp: 12284
Ion Ratio Lower Upper
43 100
74 23.8 19.5 29.3



#16
Methylene chloride
Concen: 5.148 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Tgt Ion: 84 Resp: 31384
Ion Ratio Lower Upper
84 100
86 64.9 47.3 87.8
49 127.3 90.0 167.2

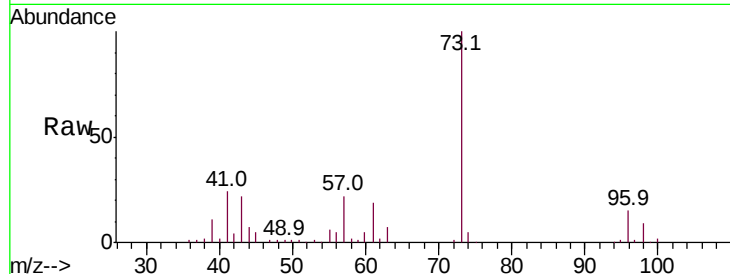




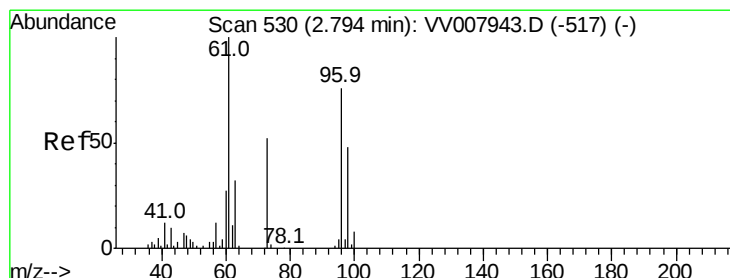
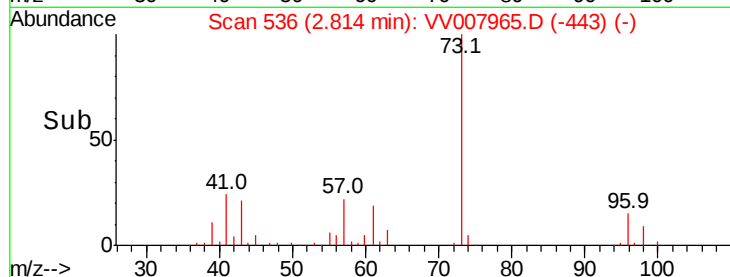
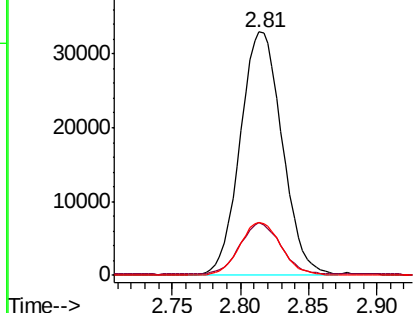
#17
Methvl tert-butvl Ether
Concen: 5.206 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tot Ion: 73 Resp: 70568
Ion Ratio Lower Upper
73 100
43 20.5 16.8 25.2
57 21.6 17.6 26.4

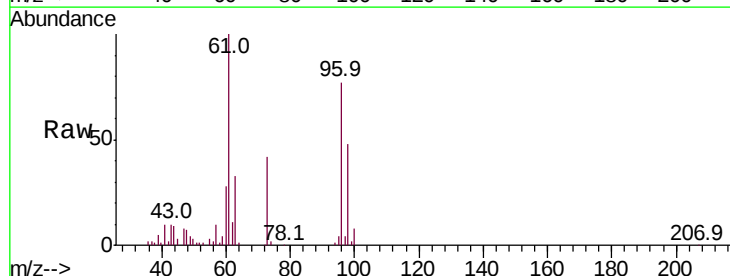


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

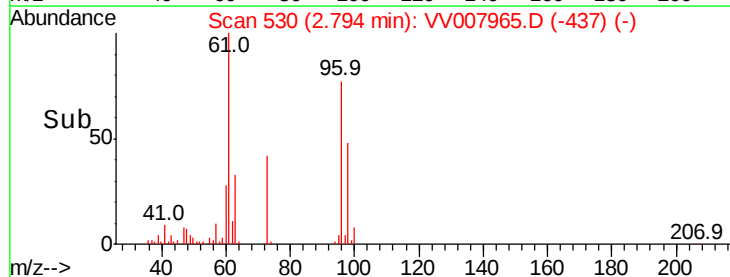
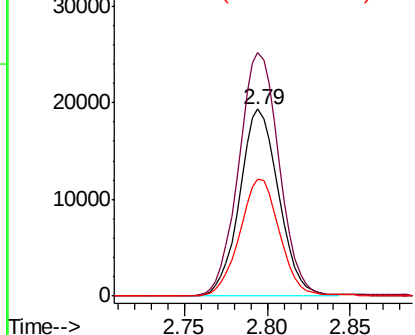


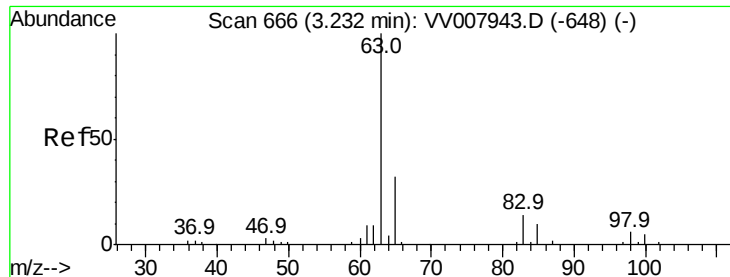
#18
trans-1,2-Dichloroethene
Concen: 5.257 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Tgt Ion: 96 Resp: 31796
Ion Ratio Lower Upper
96 100
61 130.4 94.2 175.0
98 62.9 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

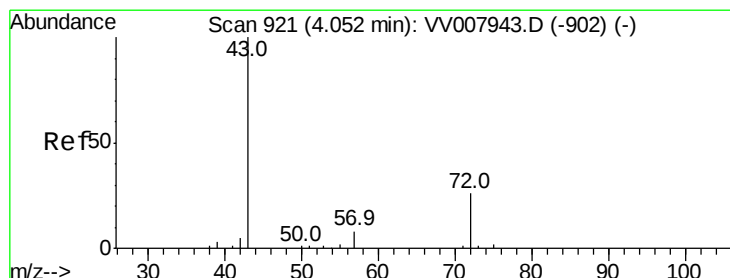
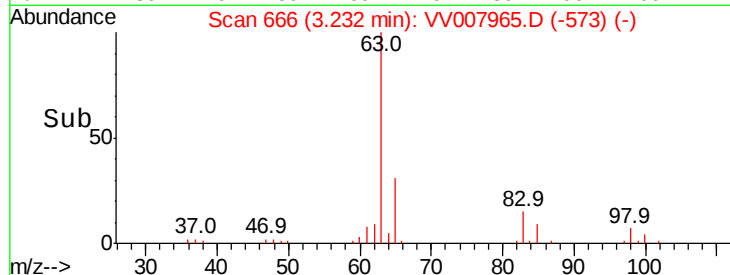
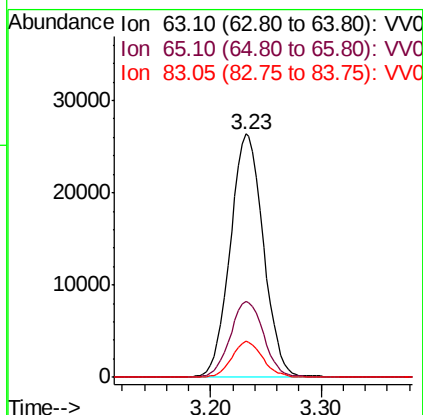
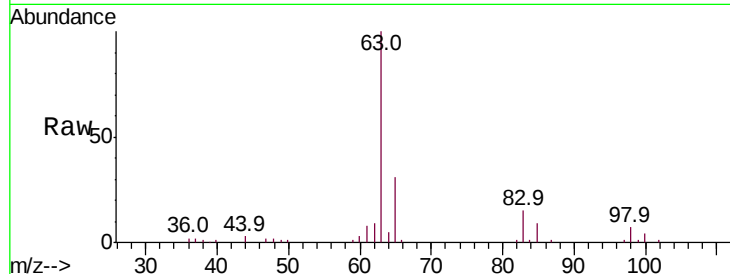




#19
 1,1-Dichloroethane
 Concen: 5.319 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

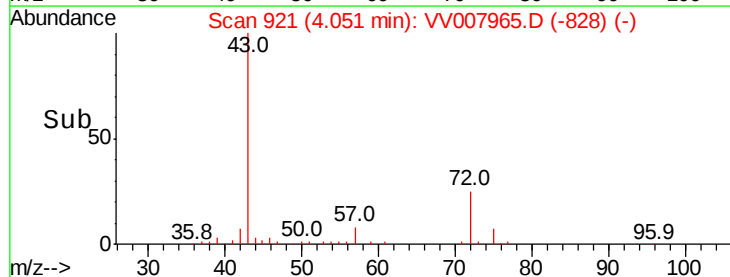
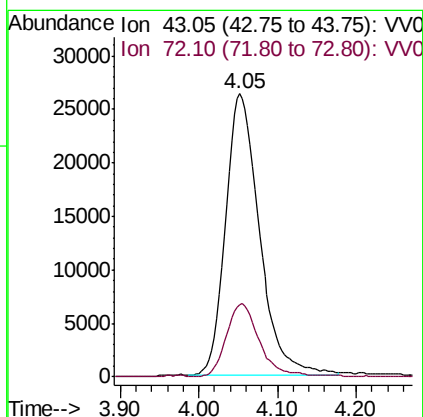
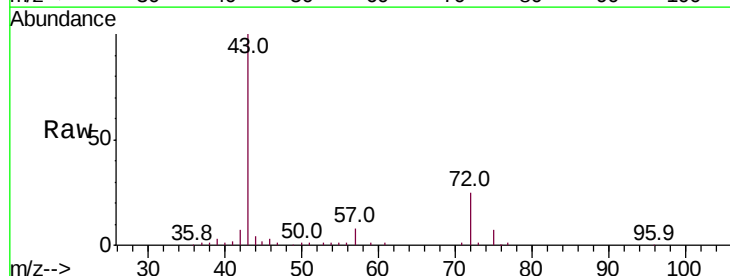
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

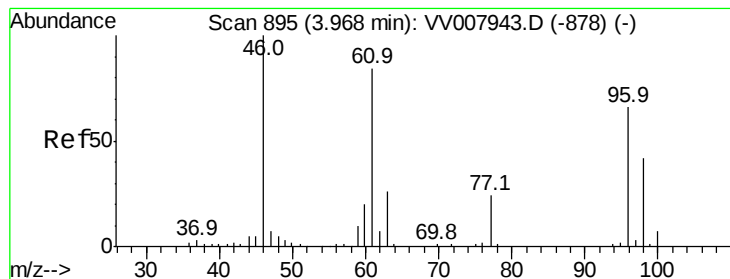
Tot Ion: 63 Resp: 54885
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.3 41.5
 83 14.7 9.8 18.2



#21
 2-Butanone
 Concen: 50.619 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion: 43 Resp: 78643
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.5 37.5



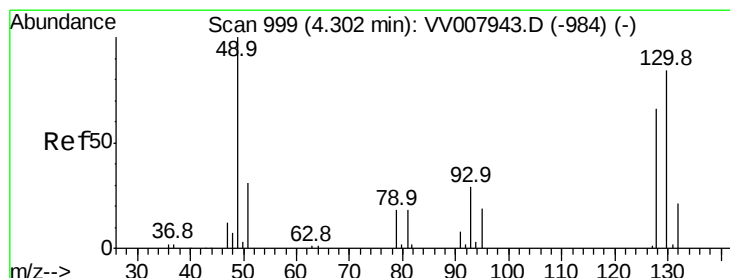
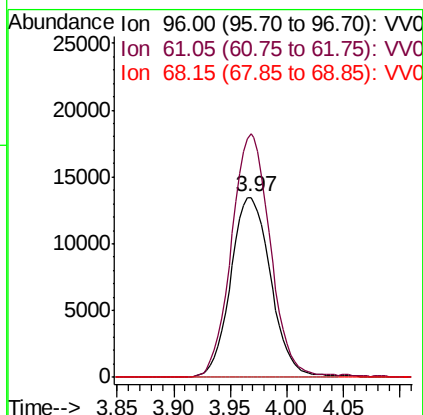
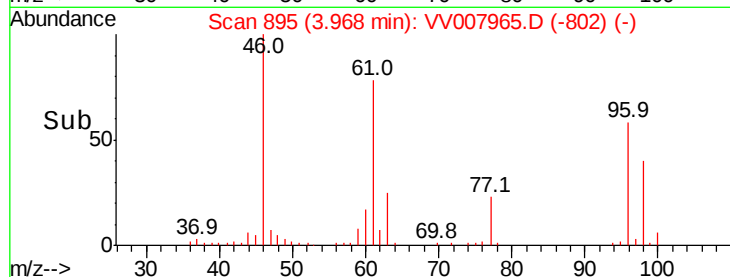
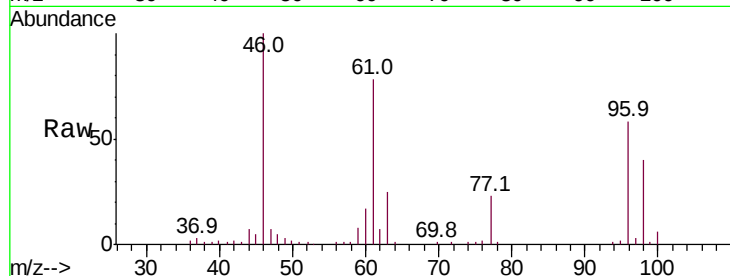


#22

cis-1,2-Dichloroethene
Concen: 5.423 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

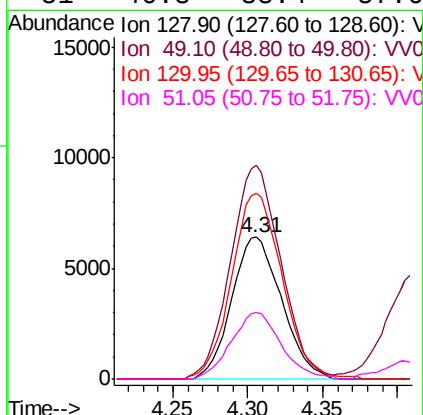
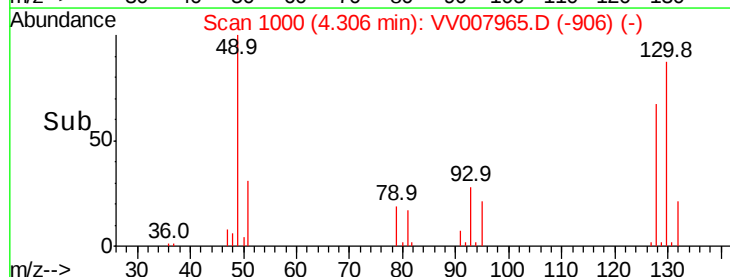
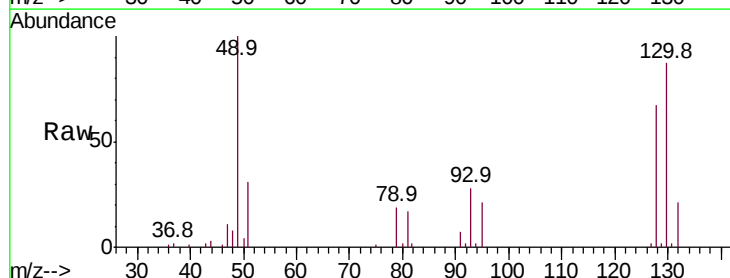
Tot Ion: 96 Resp: 33210
Ion Ratio Lower Upper
96 100
61 135.5 89.5 166.1
68 0.0 0.0 0.0

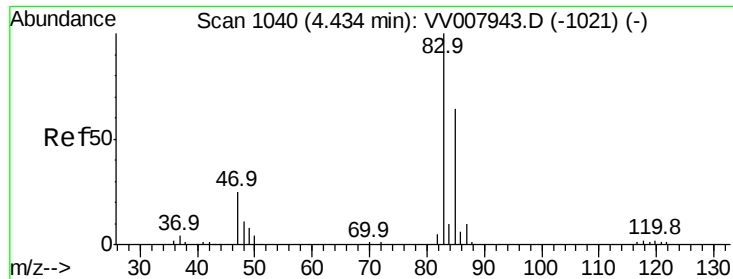


#23

Bromochloromethane
Concen: 5.589 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Tgt Ion: 128 Resp: 14884
Ion Ratio Lower Upper
128 100
49 150.4 112.8 209.4
130 130.9 92.3 171.5
51 46.8 38.4 57.6

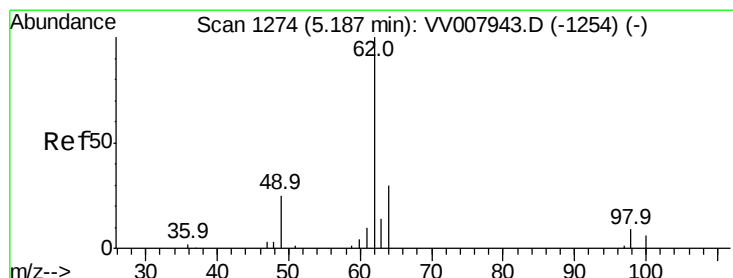
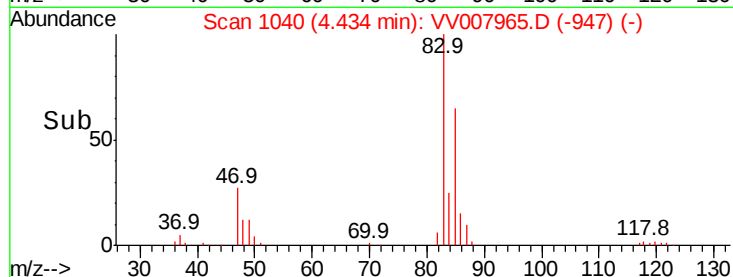
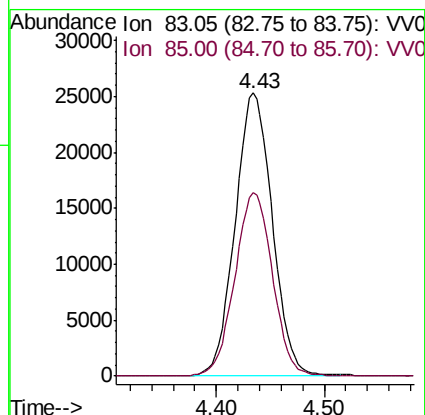
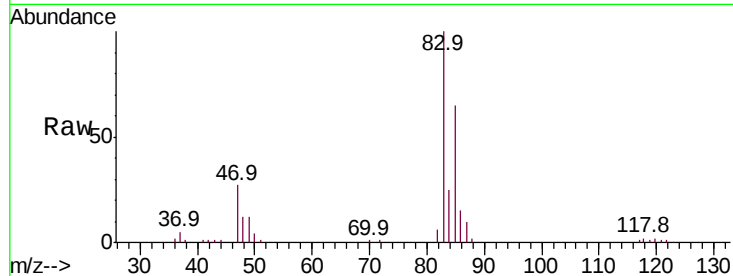




#25
Chloroform
Concen: 5.443 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

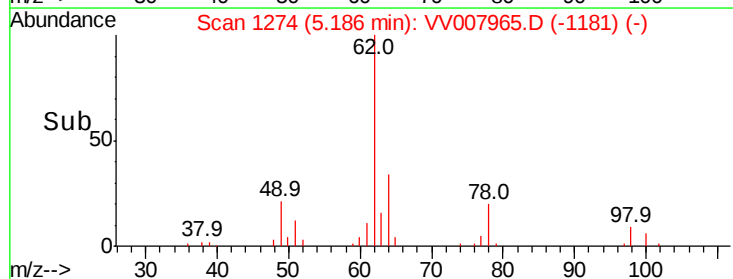
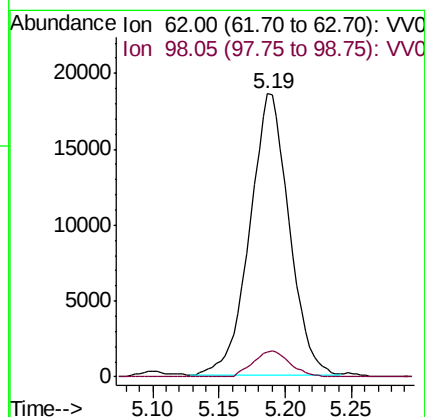
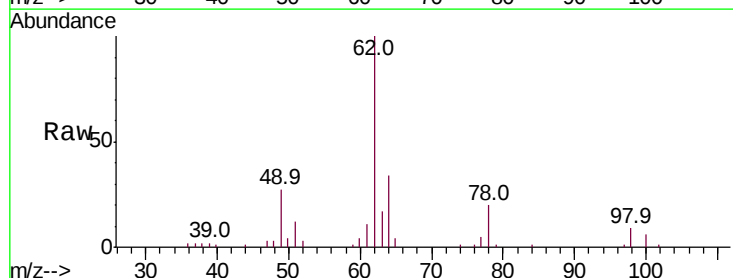
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

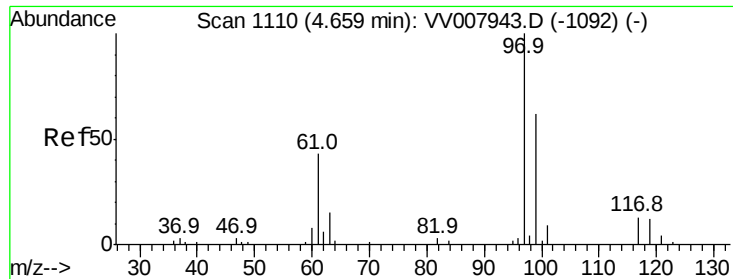
Tot Ion: 83 Resp: 60751
Ion Ratio Lower Upper
83 100
85 64.7 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.337 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Tgt Ion: 62 Resp: 38336
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

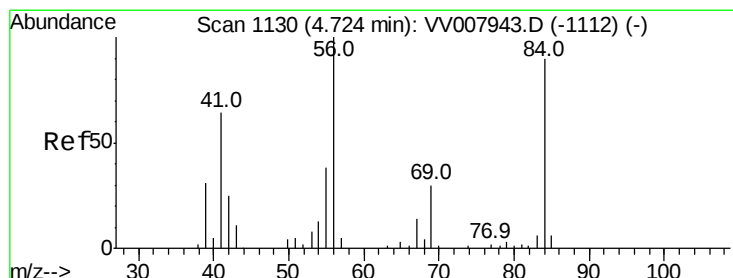
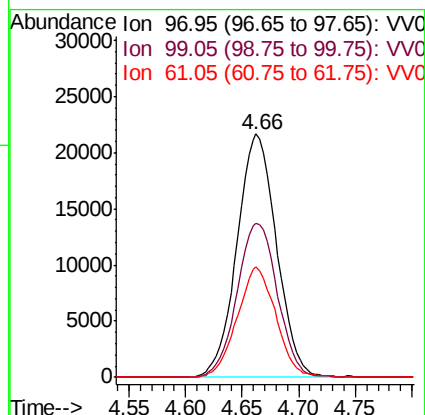
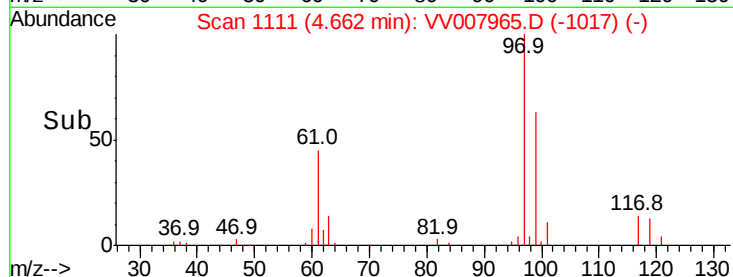
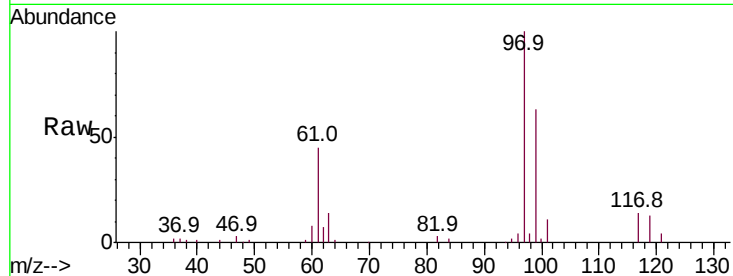




#29
 1,1,1-Trichloroethane
 Concen: 5.473 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

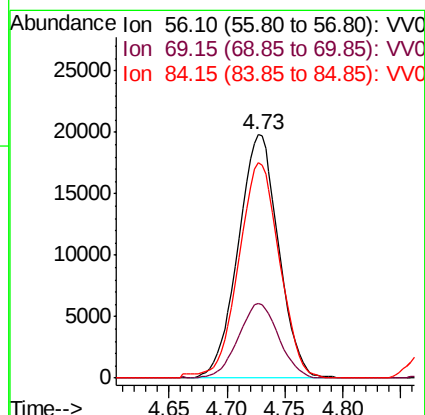
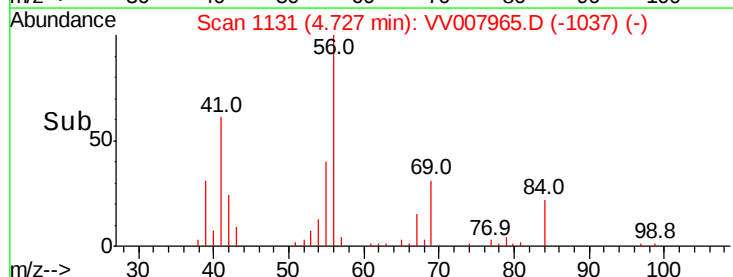
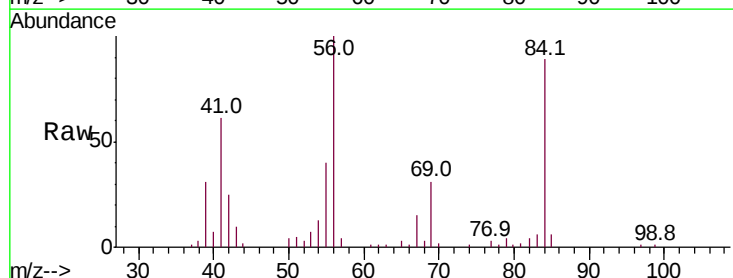
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

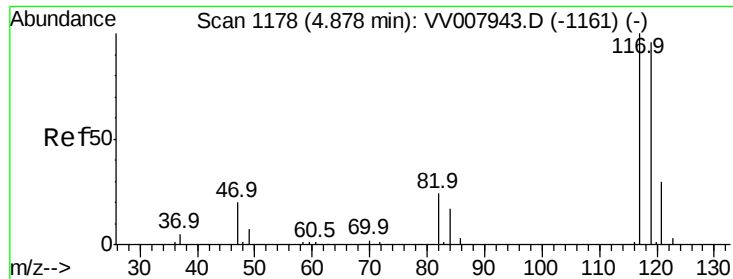
Tot Ion: 97 Resp: 52655
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.2 76.8
 61 44.4 34.6 52.0



#30
 Cyclohexane
 Concen: 5.310 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion: 56 Resp: 48019
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.2 36.4
 84 89.1 69.8 104.8





#31

Carbon tetrachloride

Concen: 5.653 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

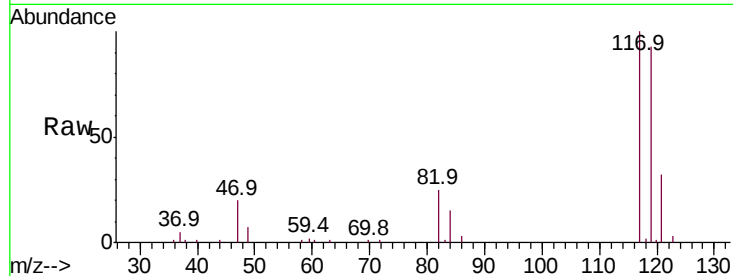
VSTD00561

Tot Ion:117 Resp: 47944

Ion Ratio Lower Upper

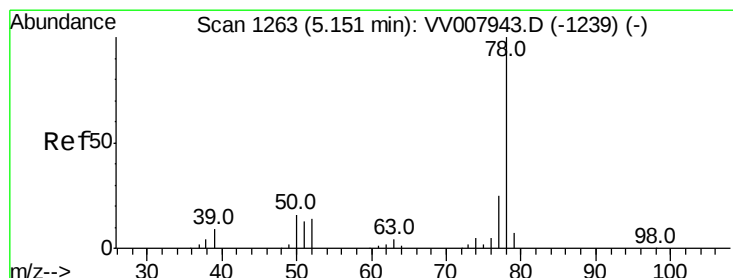
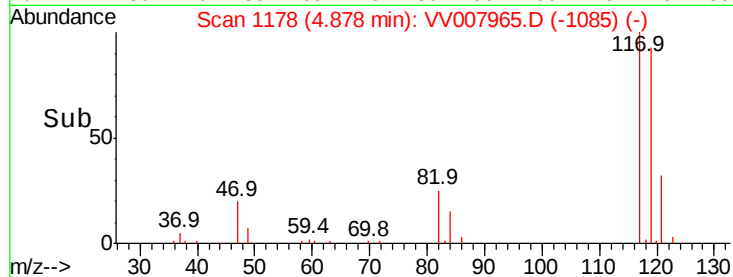
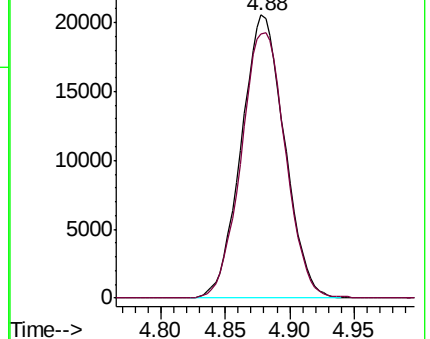
117 100

119 96.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.608 ug/L

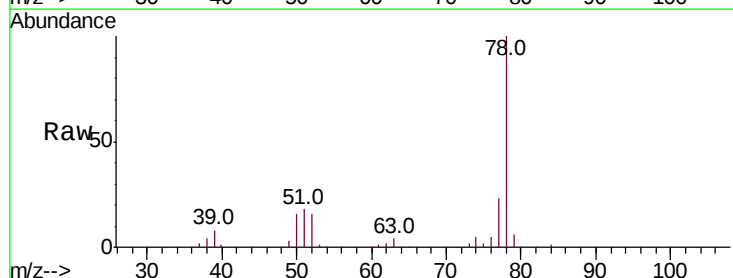
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

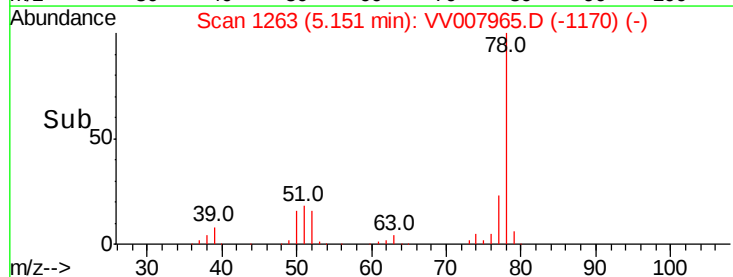
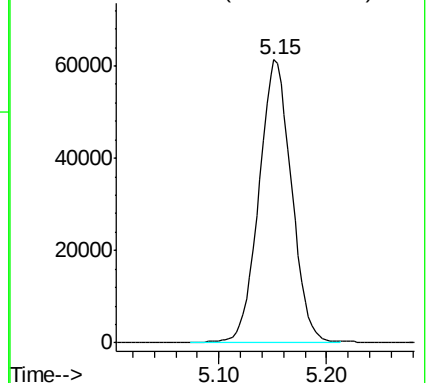
Lab File: VV007965.D

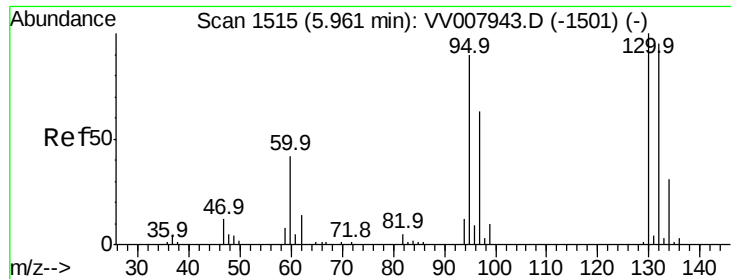
Acq: 28 Sep 2018 20:51

Tgt Ion: 78 Resp: 128488



Abundance Ion 78.10 (77.80 to 78.80): VV0

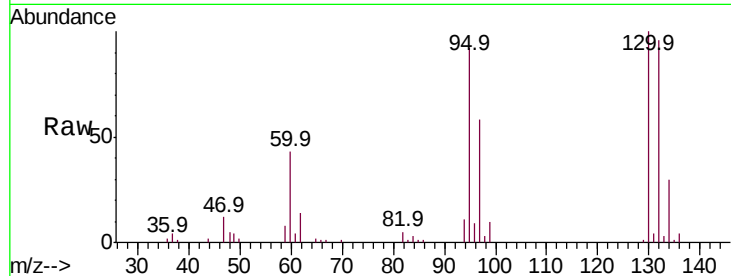




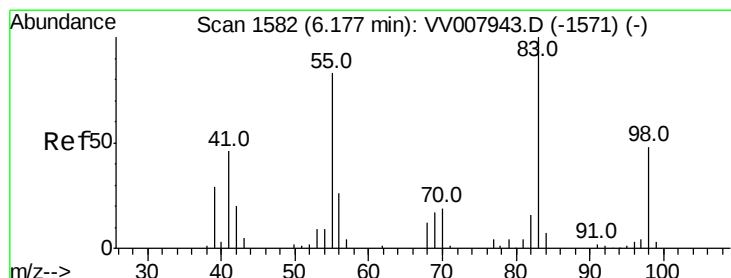
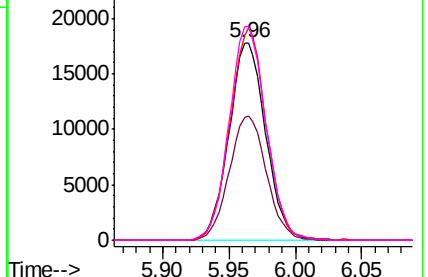
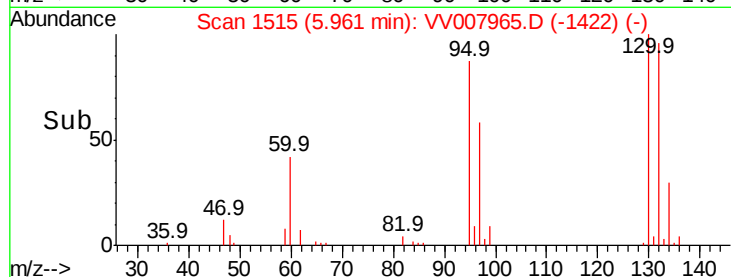
#34
 Trichloroethene
 Concen: 5.233 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tot Ion: 95 Resp: 34328
 Ion Ratio Lower Upper
 95 100
 97 62.5 43.6 81.0
 132 104.0 69.9 129.9
 130 108.2 71.7 133.3

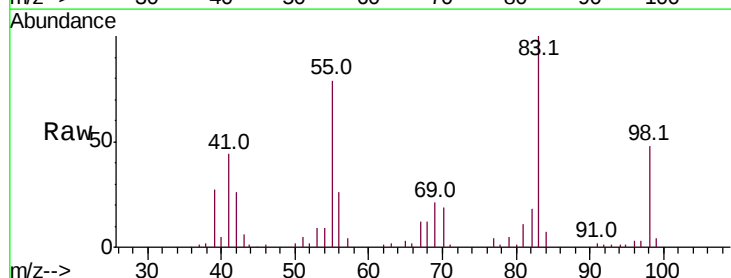


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

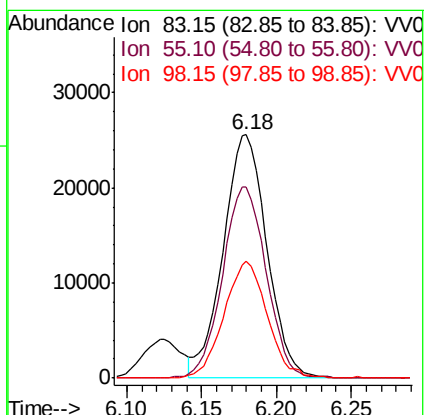
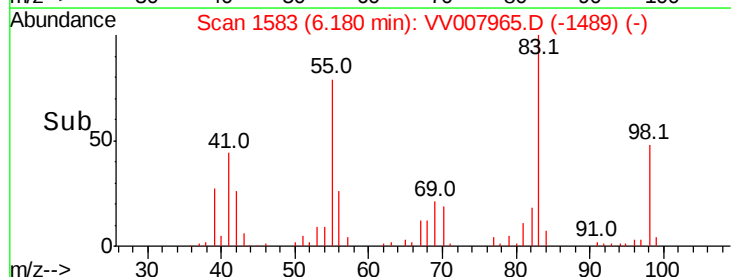


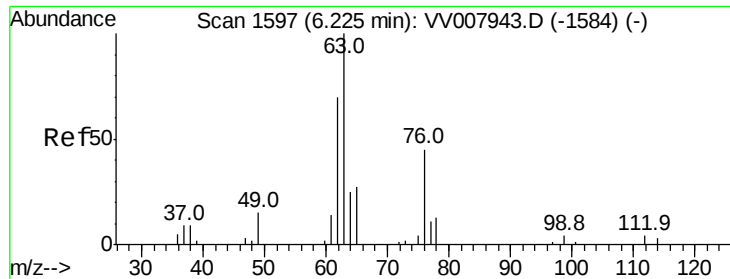
#35
 Methylcyclohexane
 Concen: 5.297 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion: 83 Resp: 52102
 Ion Ratio Lower Upper
 83 100
 55 78.7 62.2 93.2
 98 47.2 38.0 57.0



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: 5.619 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

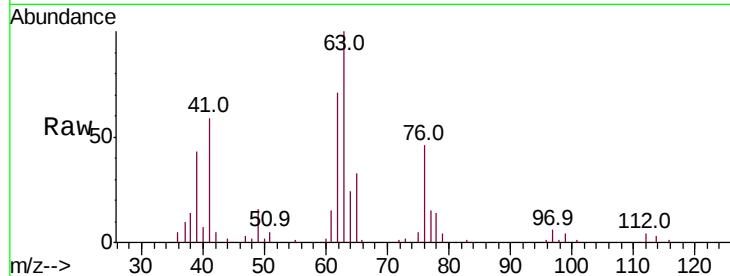
VSTD00561

Tot Ion: 63 Resp: 32888

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV007943.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV007943.D (-1584) (-)

6.23

15000

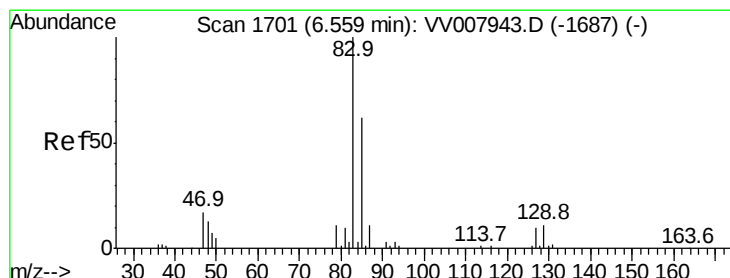
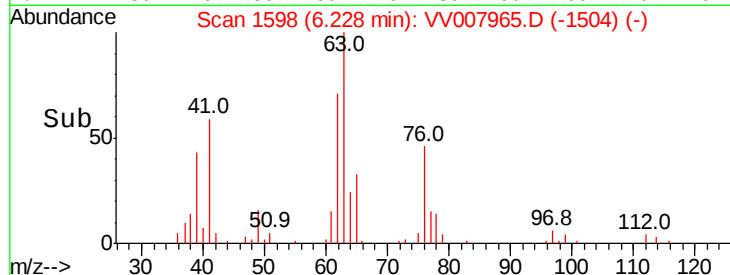
10000

5000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.477 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

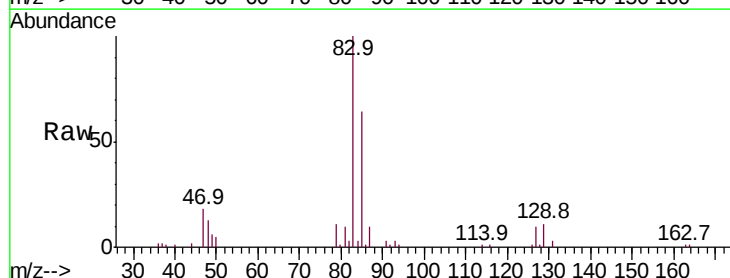
Tgt Ion: 83 Resp: 38329

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

127 9.9 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV007943.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV007943.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV007943.D (-1687) (-)

6.56

25000

20000

15000

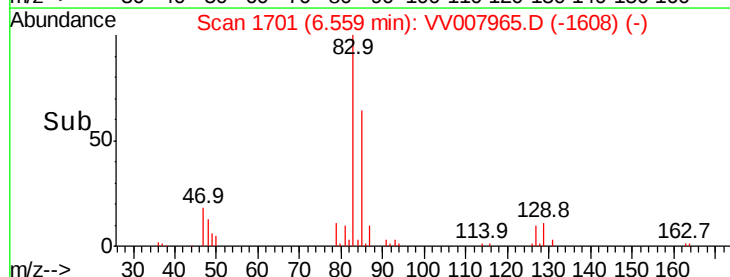
10000

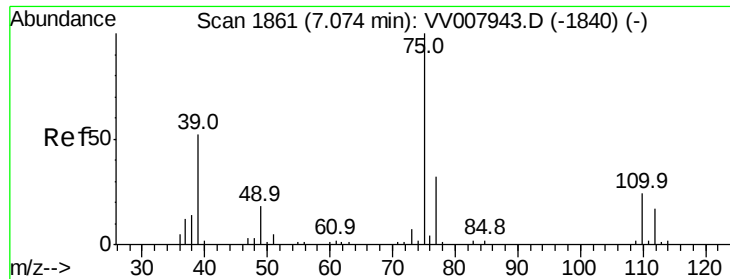
5000

0

6.50 6.55 6.60 6.65

Time-->

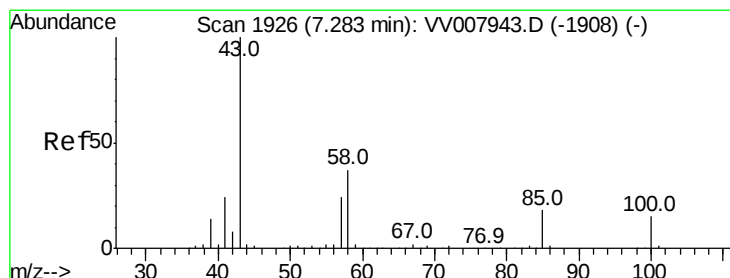
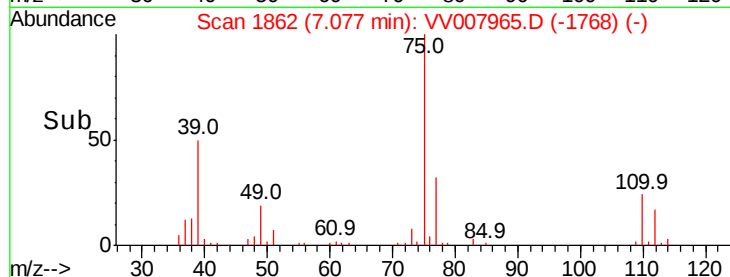
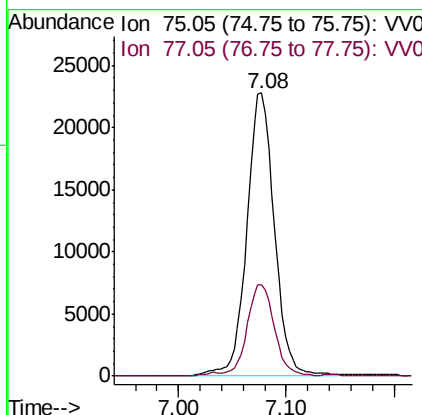
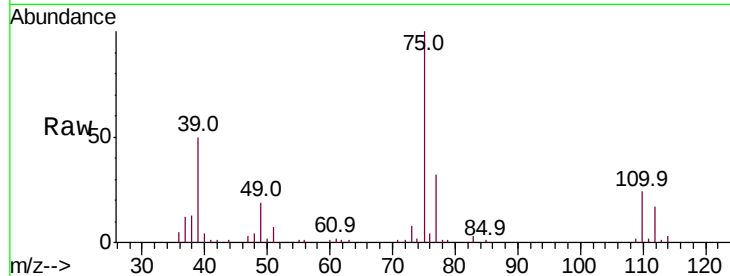




#39
 cis-1,3-Dichloropropene
 Concen: 5.194 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

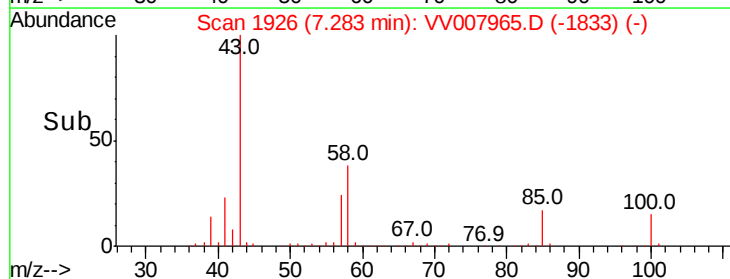
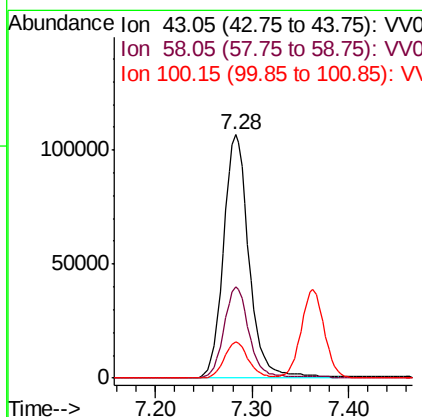
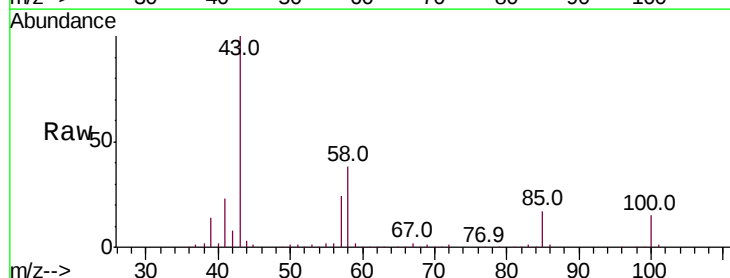
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00561

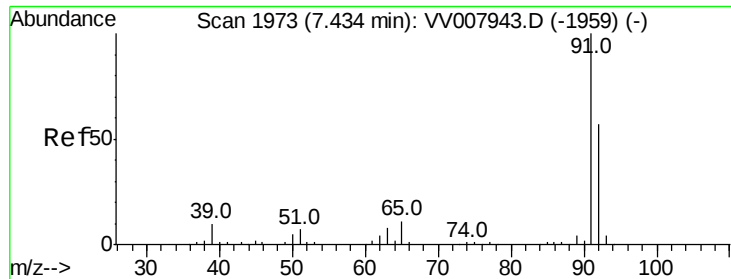
Tot Ion: 75 Resp: 40667
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 53.266 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion: 43 Resp: 195672
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.0
 100 14.2 11.5 17.3





#42

Toluene

Concen: 5.709 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

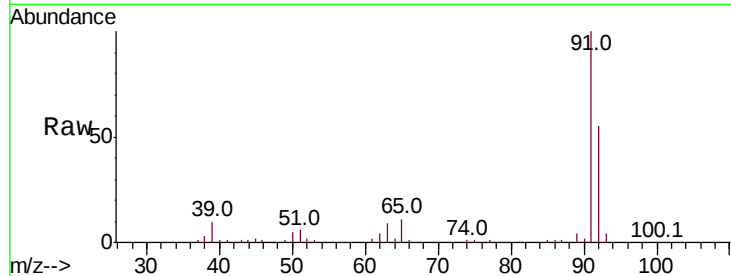
VSTD00561

Tot Ion: 91 Resp: 142445

Ion Ratio Lower Upper

91 100

92 55.2 40.8 75.8

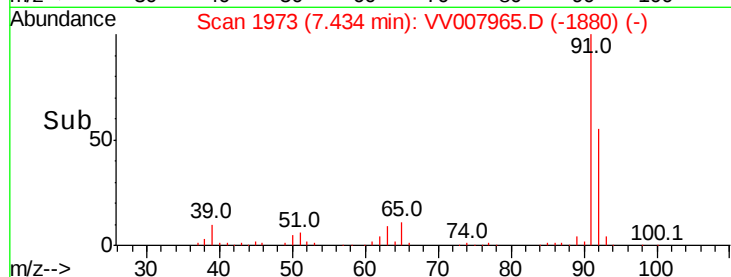


Abundance Ion 91.15 (90.85 to 91.85): VV007943.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007943.D (-1959) (-)

7.43

Time-->

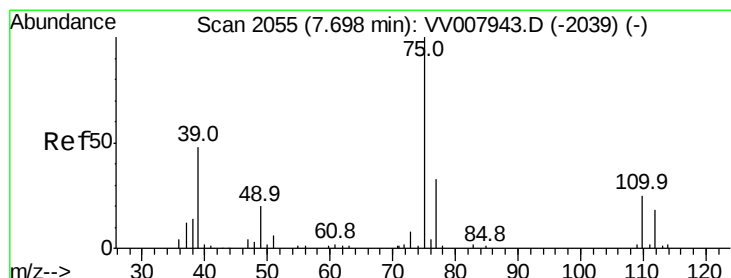


Abundance Ion 91.15 (90.85 to 91.85): VV007965.D (-1880) (-)

Ion 92.15 (91.85 to 92.85): VV007965.D (-1880) (-)

7.43

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.122 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007965.D

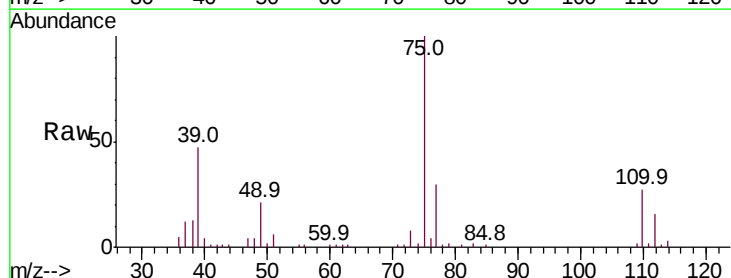
Acq: 28 Sep 2018 20:51

Tgt Ion: 75 Resp: 33335

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.5

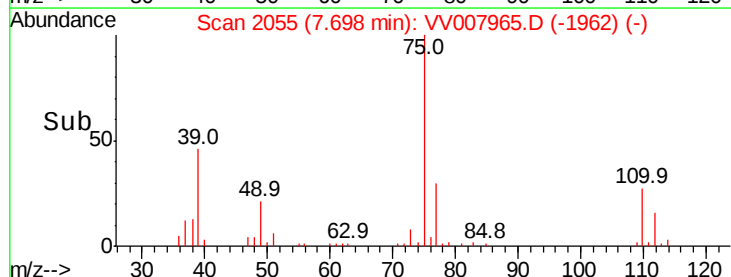


Abundance Ion 75.05 (74.75 to 75.75): VV007943.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV007943.D (-2039) (-)

7.70

Time-->

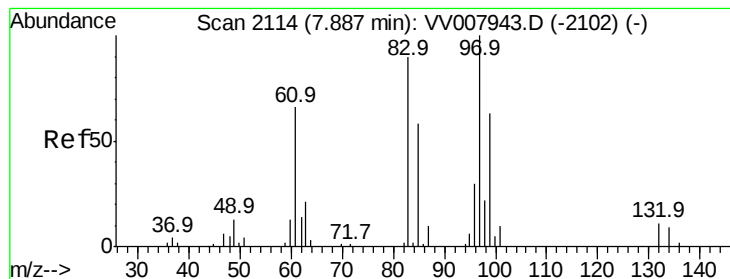


Abundance Ion 75.05 (74.75 to 75.75): VV007965.D (-1962) (-)

Ion 77.05 (76.75 to 77.75): VV007965.D (-1962) (-)

7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 5.545 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tot Ion: 97 Resp: 23419

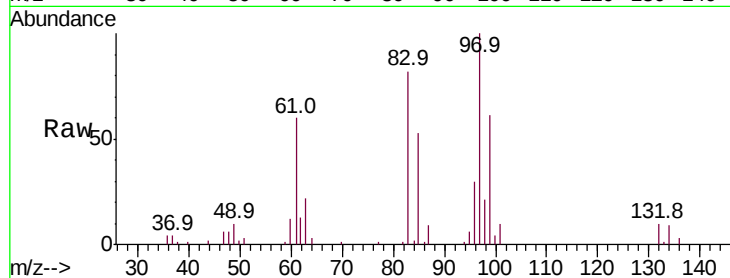
Ion Ratio Lower Upper

97 100

99 60.7 43.5 80.9

83 82.5 59.7 110.9

85 53.0 39.5 73.3

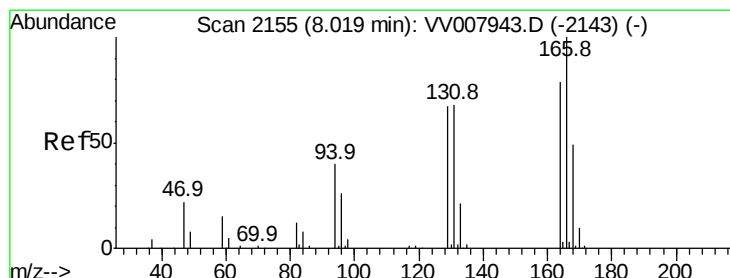
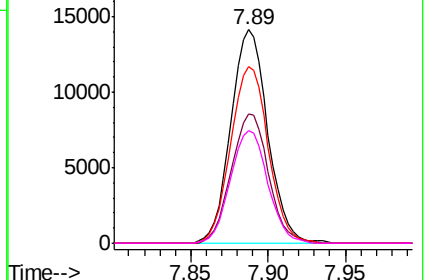
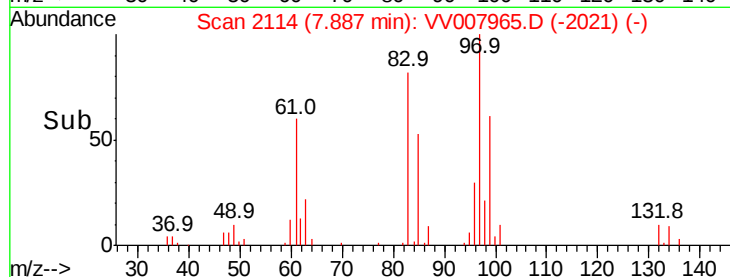


Abundance Ion 96.95 (96.65 to 97.65): VV007943.D (-2102) (-)

Ion 99.05 (98.75 to 99.75): VV007943.D (-2102) (-)

Ion 82.95 (82.65 to 83.65): VV007943.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV007943.D (-2102) (-)



#47

Tetrachloroethene

Concen: 5.267 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Tgt Ion: 164 Resp: 32020

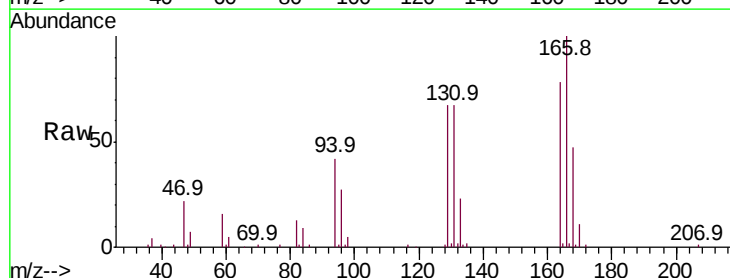
Ion Ratio Lower Upper

164 100

129 86.1 59.2 110.0

131 85.5 57.1 106.1

166 128.0 88.6 164.6

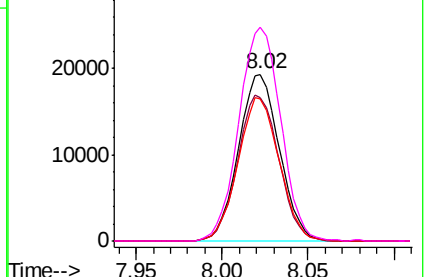
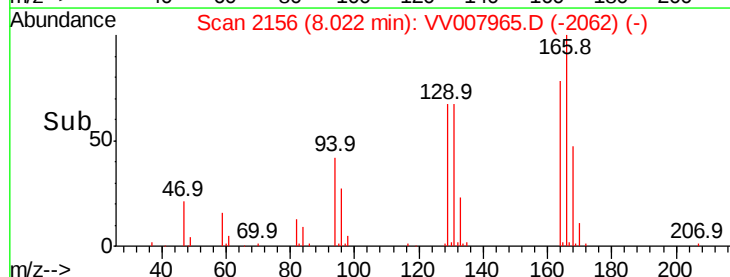


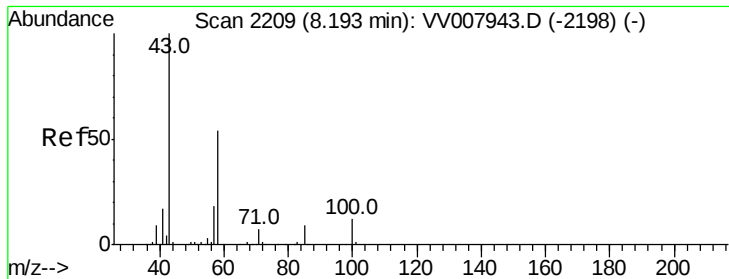
Abundance Ion 163.90 (163.60 to 164.60): VV007943.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV007943.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV007943.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV007943.D (-2143) (-)

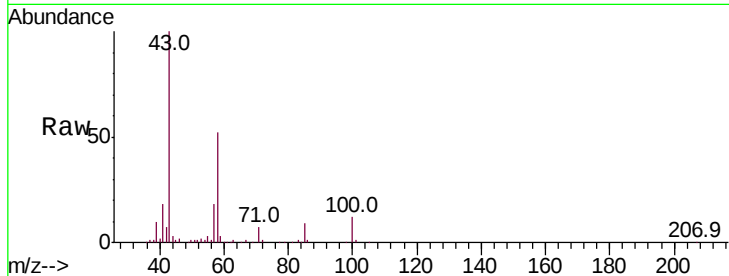




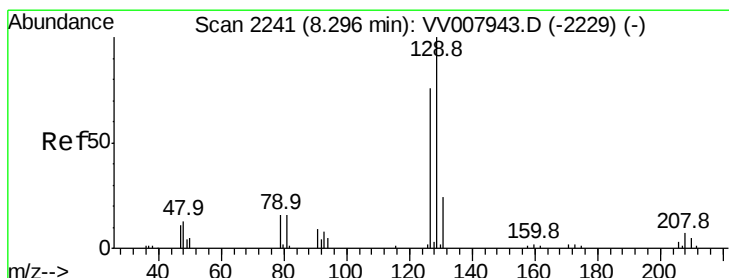
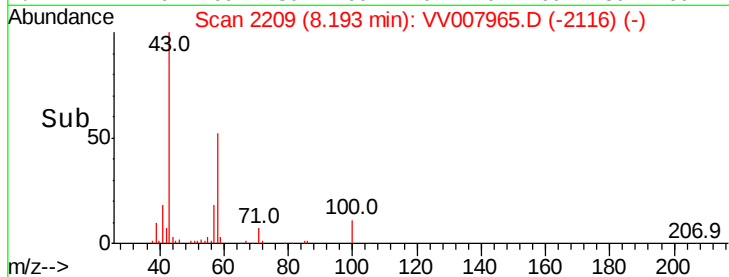
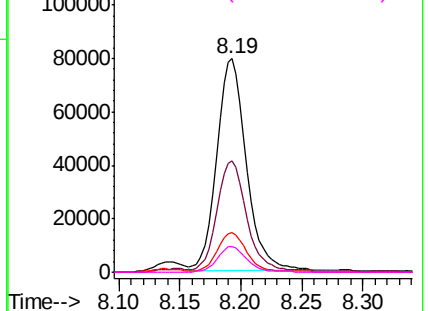
#48
2-Hexanone
Concen: 53.436 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tot Ion: 43 Resp: 136526
Ion Ratio Lower Upper
43 100
58 53.4 41.9 62.9
57 18.5 14.3 21.5
100 12.0 9.2 13.8

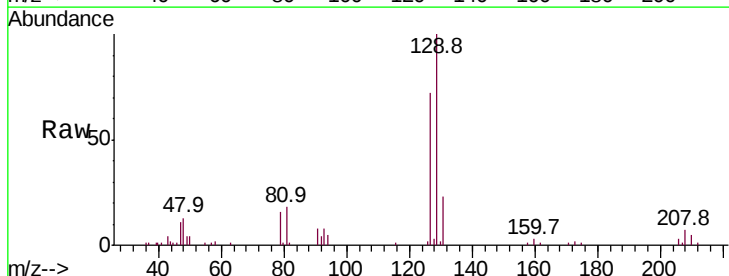


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

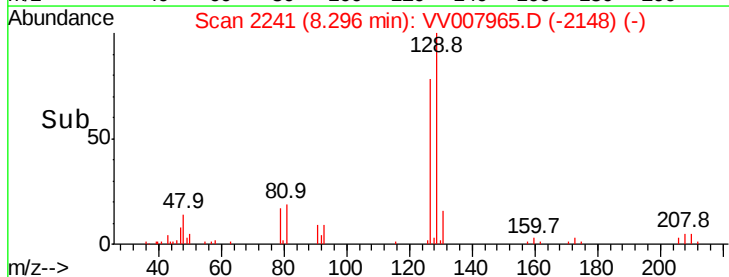
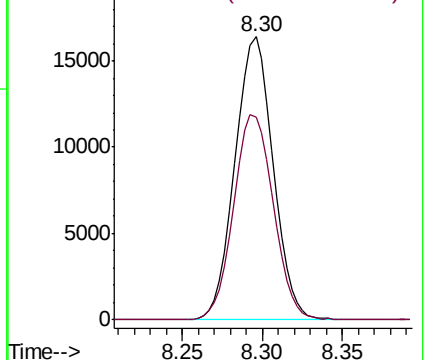


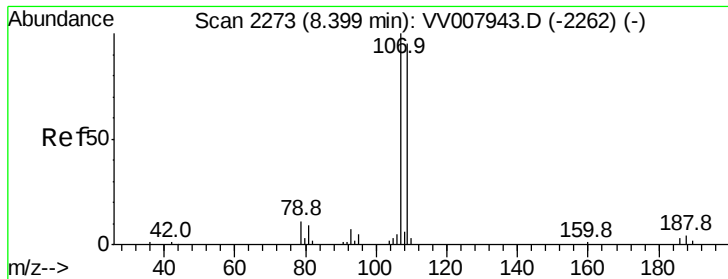
#49
Dibromochloromethane
Concen: 5.531 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Tgt Ion: 129 Resp: 26668
Ion Ratio Lower Upper
129 100
127 71.8 53.1 98.5



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

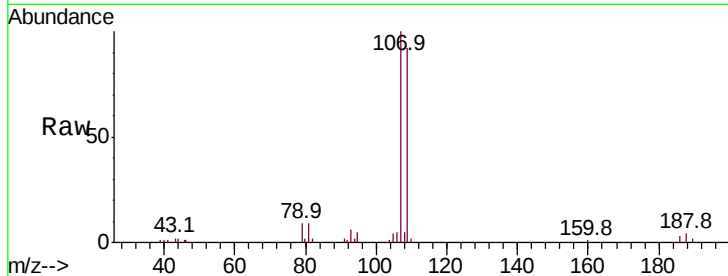




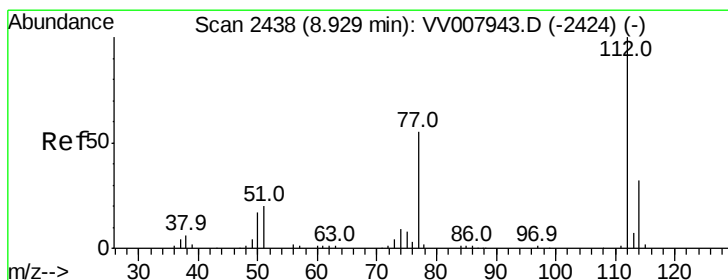
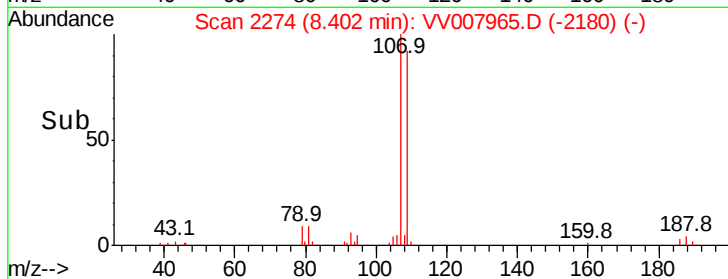
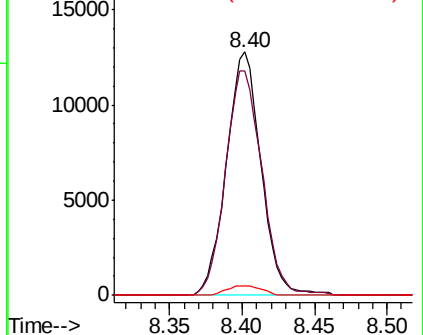
#50
1,2-Dibromoethane
Concen: 5.475 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tot Ion:107 Resp: 21137
Ion Ratio Lower Upper
107 100
109 92.0 64.9 120.5
188 4.0 4.0 6.0

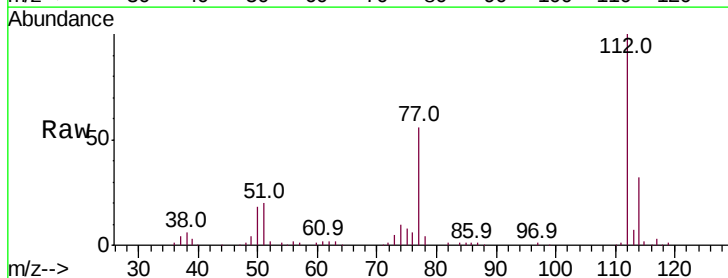


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

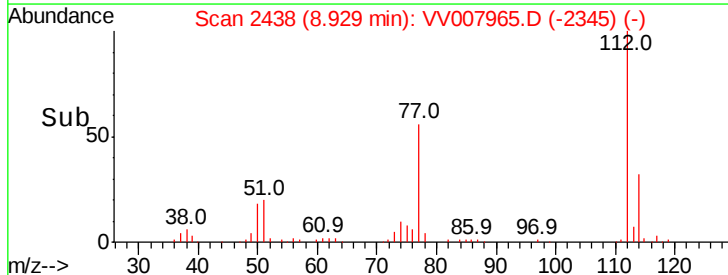
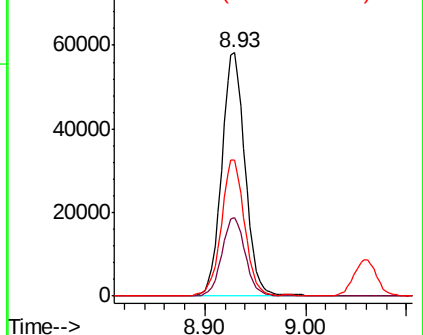


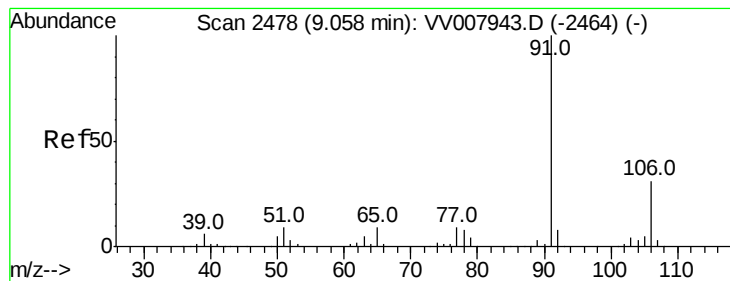
#51
Chlorobenzene
Concen: 5.465 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007965.D
Acq: 28 Sep 2018 20:51

Tgt Ion:112 Resp: 94187
Ion Ratio Lower Upper
112 100
114 32.5 22.4 41.6
77 55.7 45.0 67.6



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: 5.455 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampled :

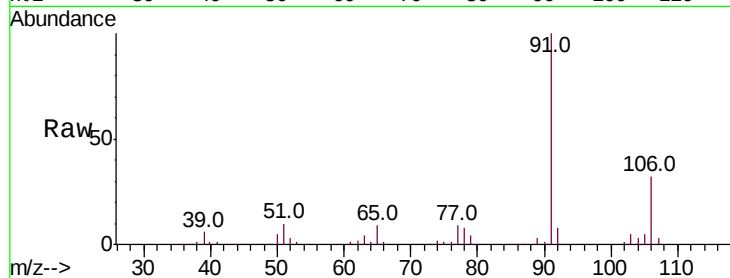
VSTD00561

Tot Ion: 91 Resp: 151838

Ion Ratio Lower Upper

91 100

106 32.1 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007943.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV007943.D (-2464) (-)

9.06

100000

80000

60000

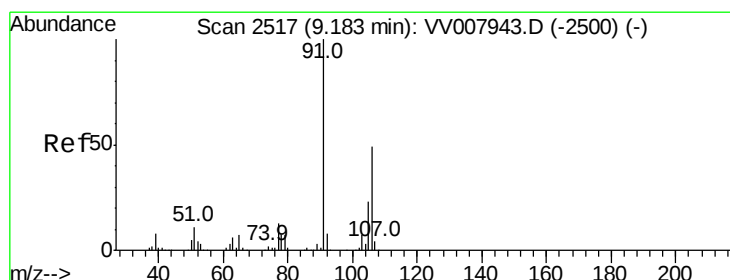
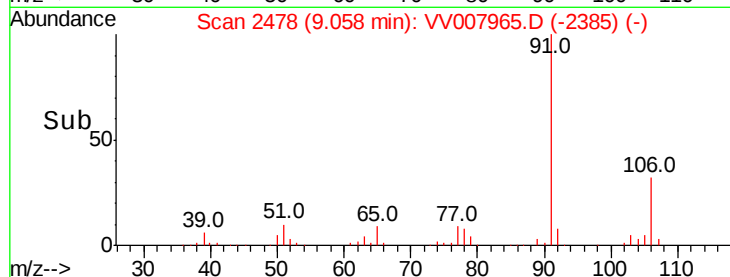
40000

20000

0

9.00 9.05 9.10

Time-->



#53

m,p-xylene

Concen: 5.532 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007965.D

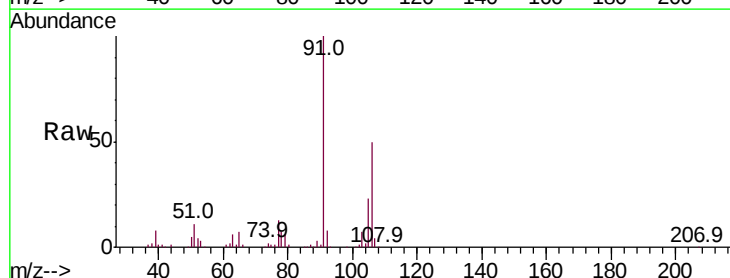
Acq: 28 Sep 2018 20:51

Tgt Ion: 106 Resp: 58631

Ion Ratio Lower Upper

106 100

91 201.4 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007943.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV007943.D (-2500) (-)

9.19

80000

60000

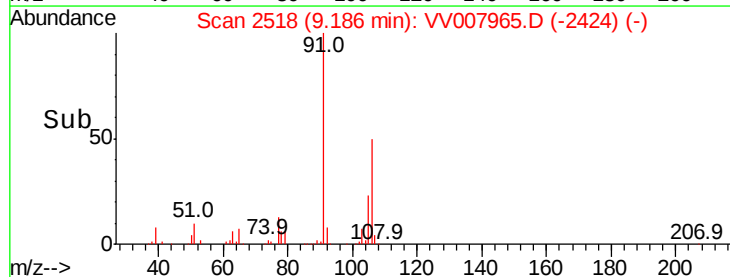
40000

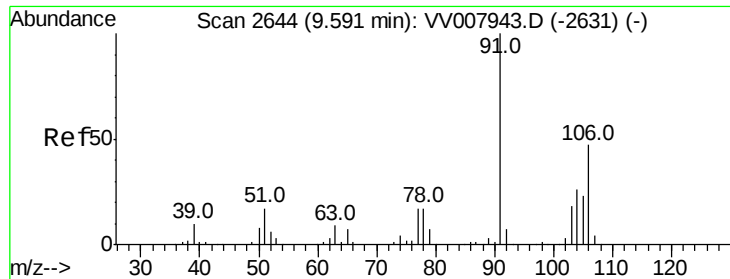
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#54

o-xylene

Concen: 5.430 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampled :

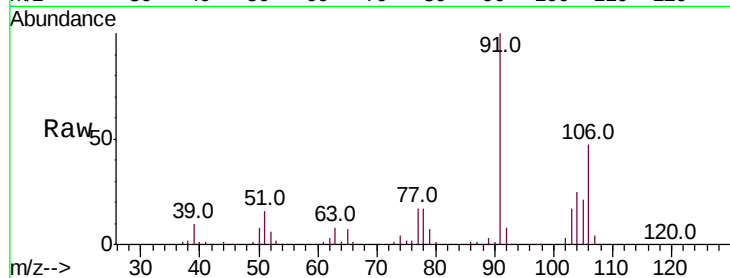
VSTD00561

Tot Ion:106 Resp: 55591

Ion Ratio Lower Upper

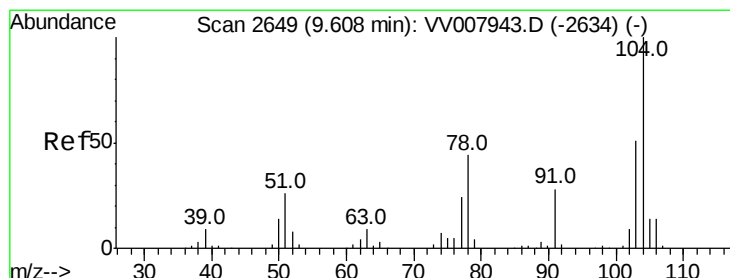
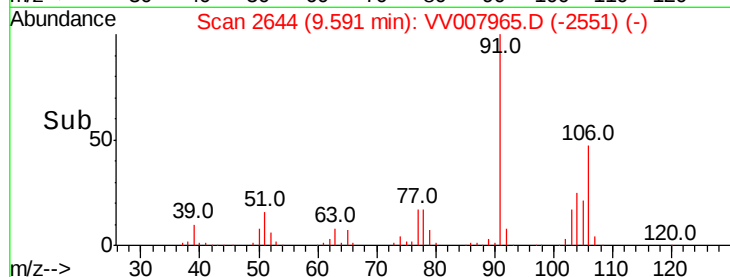
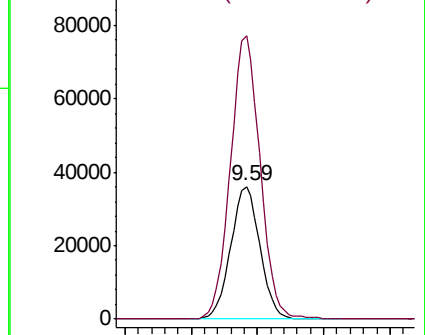
106 100

91 213.1 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.530 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007965.D

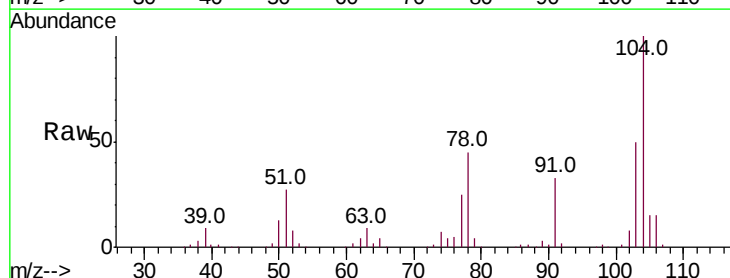
Acq: 28 Sep 2018 20:51

Tgt Ion:104 Resp: 96667

Ion Ratio Lower Upper

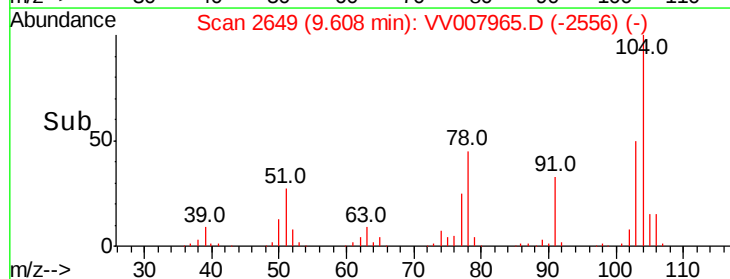
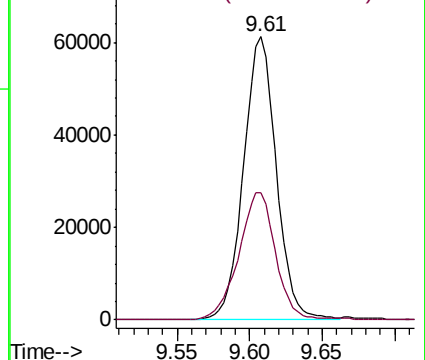
104 100

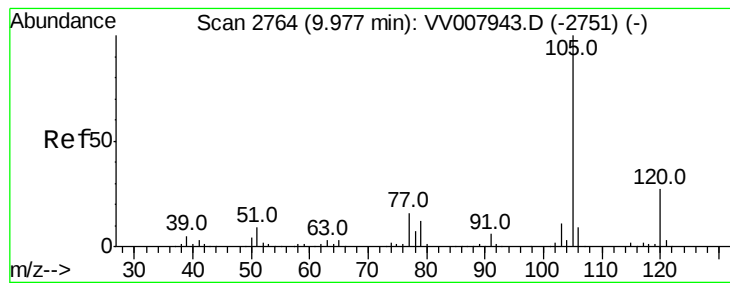
78 44.9 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.554 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

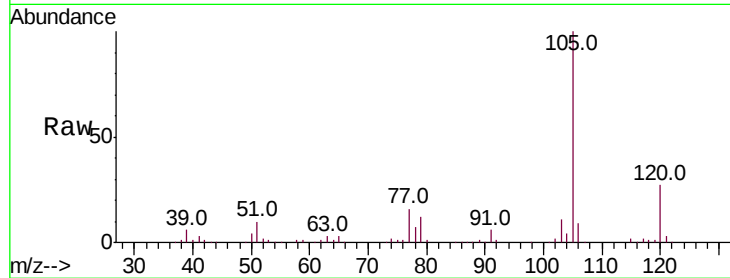
Tot Ion:105 Resp: 153976

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

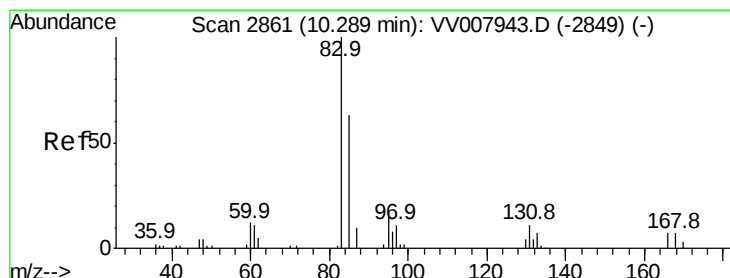
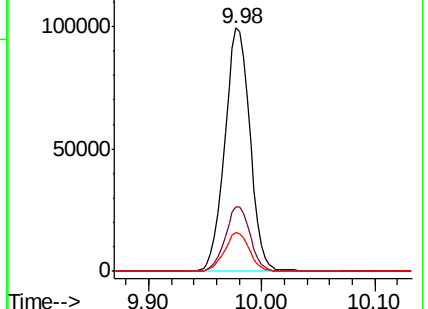
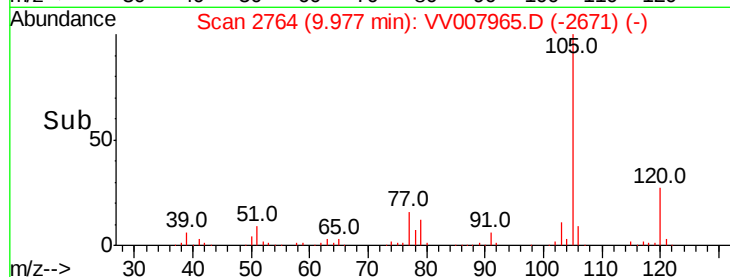
77 15.8 12.7 19.1



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: 5.463 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

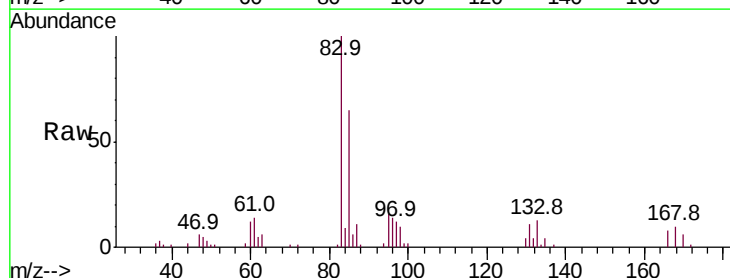
Tgt Ion: 83 Resp: 27102

Ion Ratio Lower Upper

83 100

85 64.8 43.7 81.1

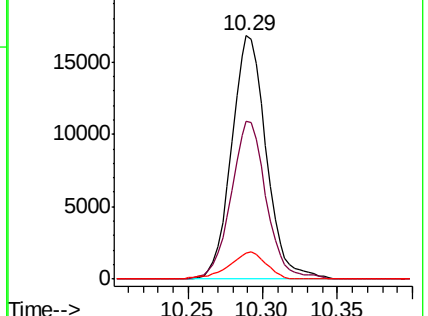
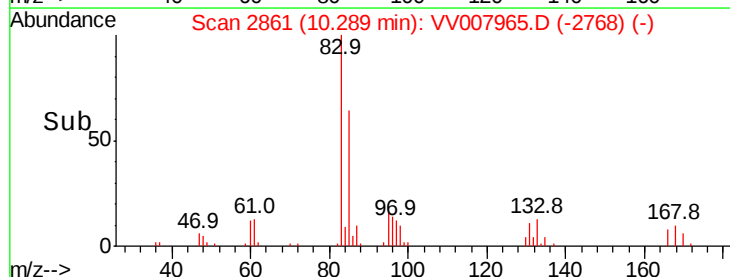
131 10.9 9.0 13.4

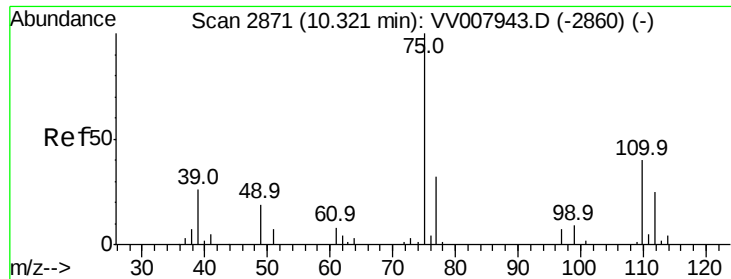


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

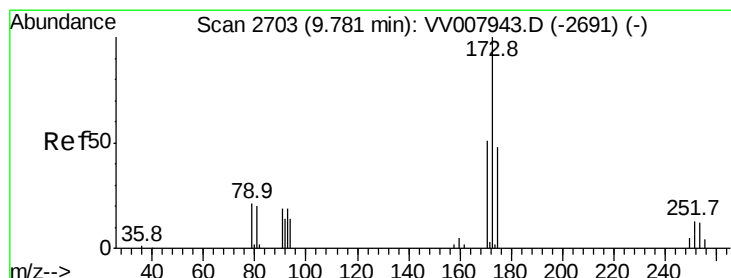
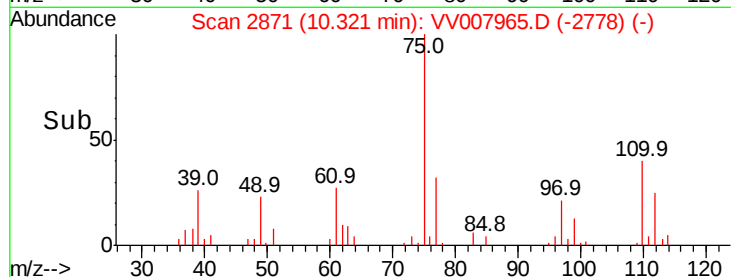
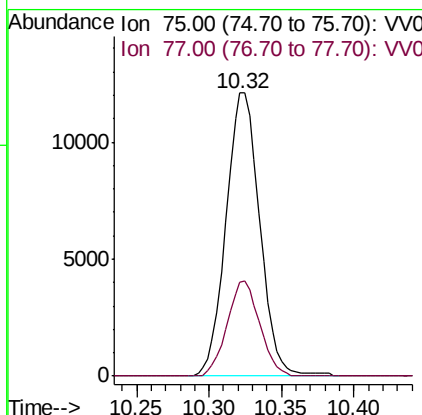
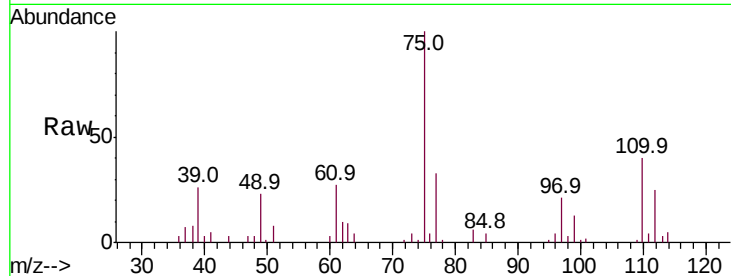




#59
 1,2,3-Trichloropropane
 Concen: 5.358 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

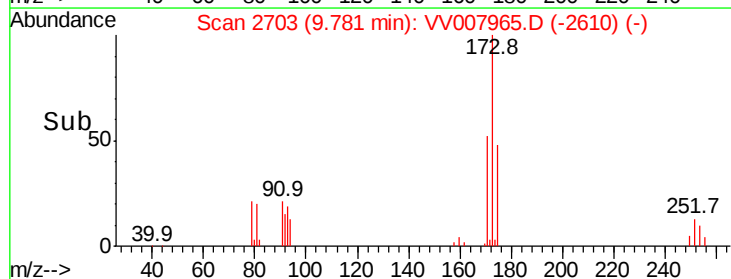
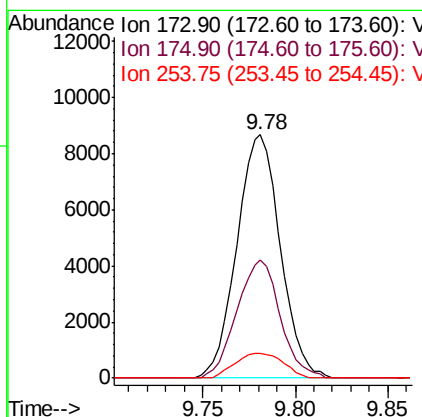
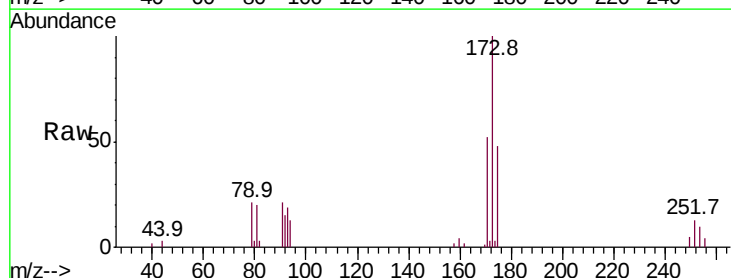
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

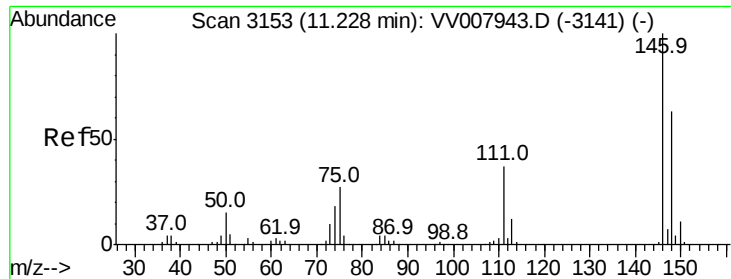
Tot Ion: 75 Resp: 19512
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.4 39.6



#61
 Bromoform
 Concen: 5.425 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion:173 Resp: 14110
 Ion Ratio Lower Upper
 173 100
 175 48.2 41.0 61.6
 254 11.3 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 5.294 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

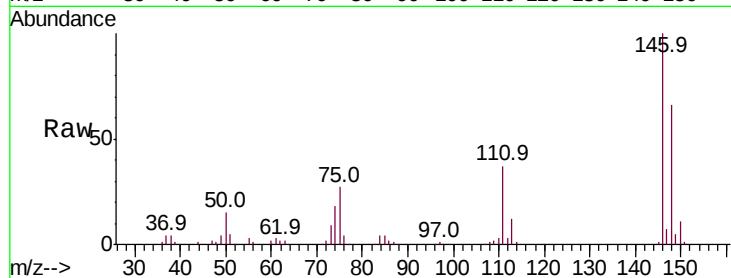
Tot Ion:146 Resp: 75698

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

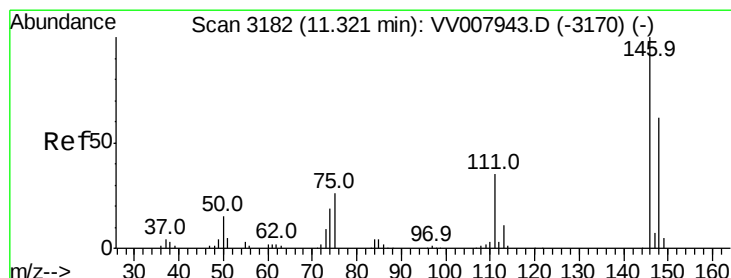
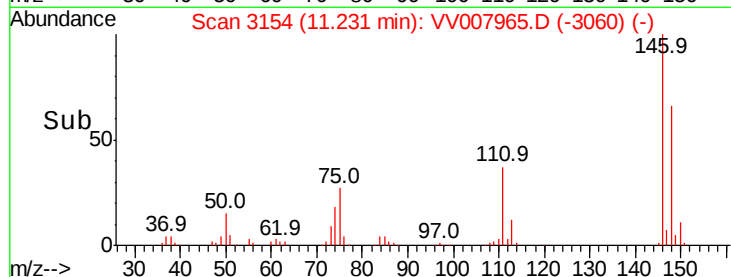
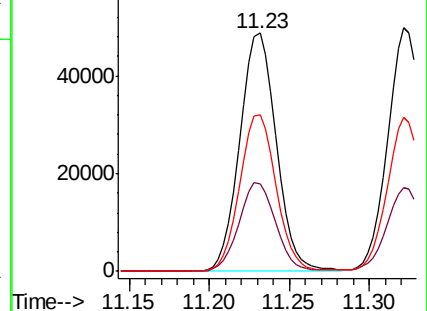
148 66.0 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 5.259 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

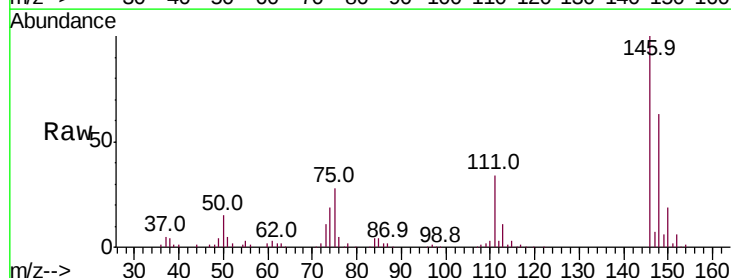
Tgt Ion:146 Resp: 78179

Ion Ratio Lower Upper

146 100

111 34.4 25.3 47.1

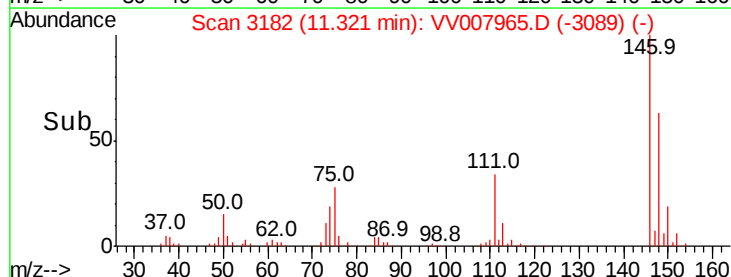
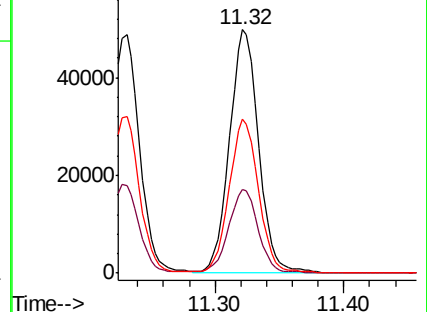
148 63.2 44.7 82.9

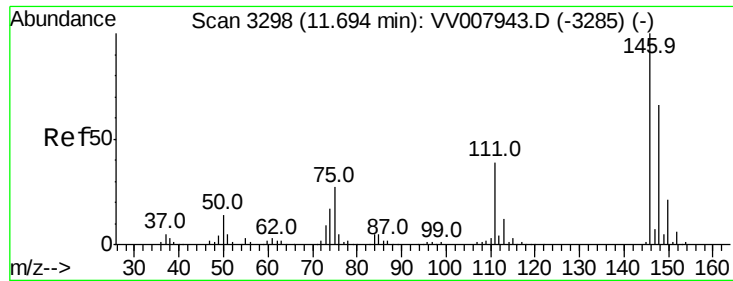


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

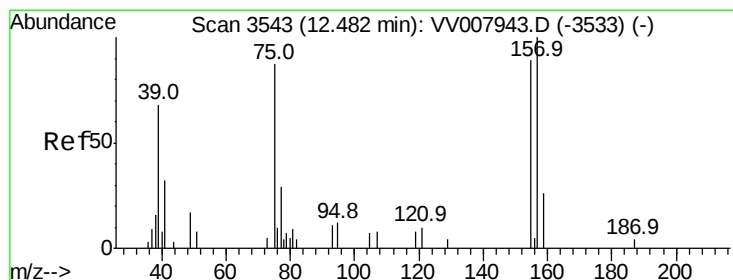
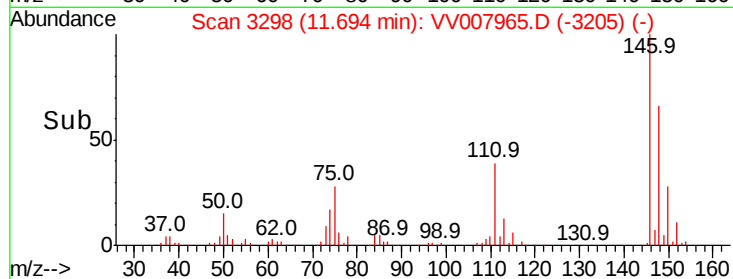
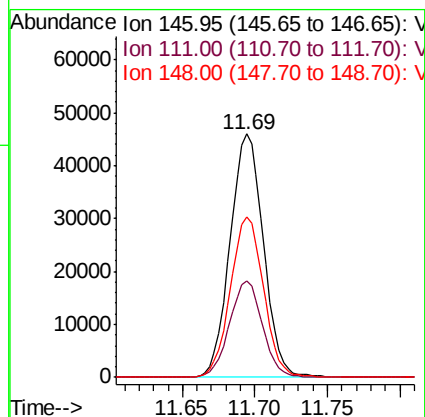
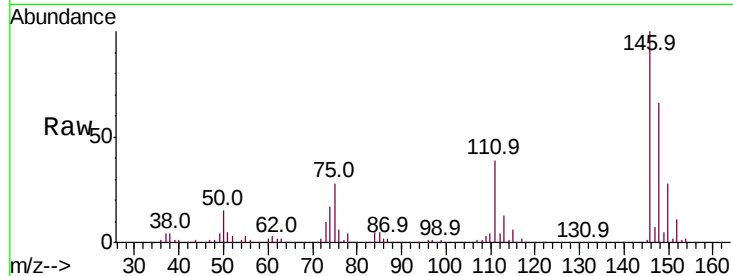




#65
 1,2-Dichlorobenzene
 Concen: 5.448 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

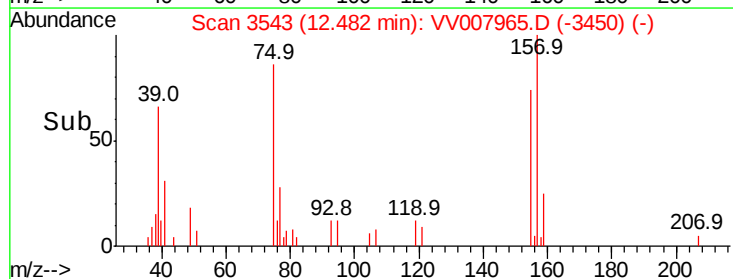
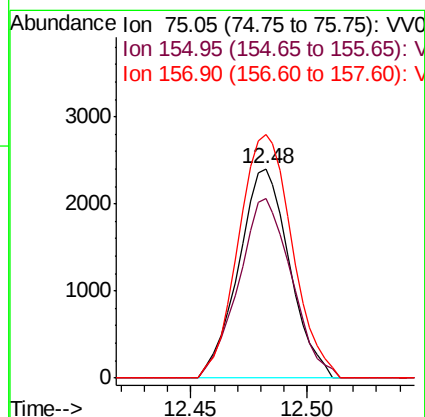
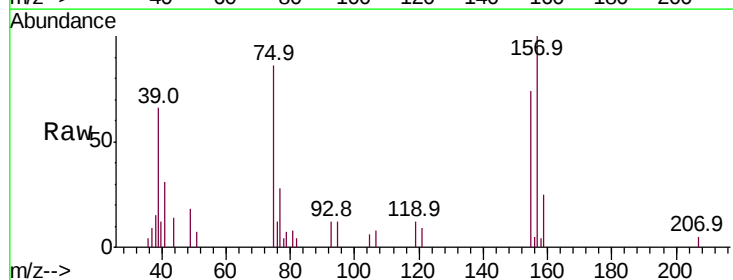
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

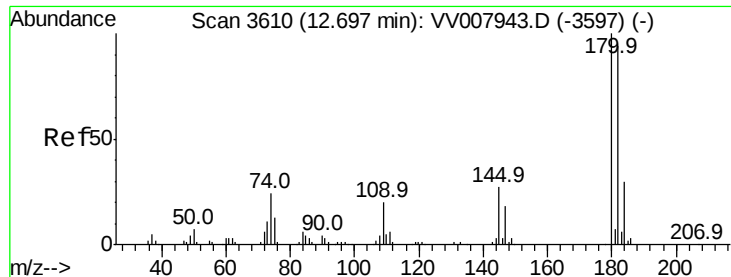
Tot Ion:146 Resp: 73436
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.2 46.8
 148 66.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.341 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion: 75 Resp: 3667
 Ion Ratio Lower Upper
 75 100
 155 85.7 83.4 125.2
 157 116.3 93.9 140.9

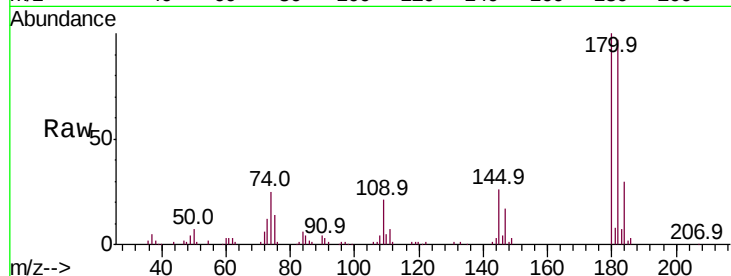




#67
 1,3,5-Trichlorobenzene
 Concen: 5.330 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.4
184	30.3	24.5	36.7
145	26.4	22.2	33.4



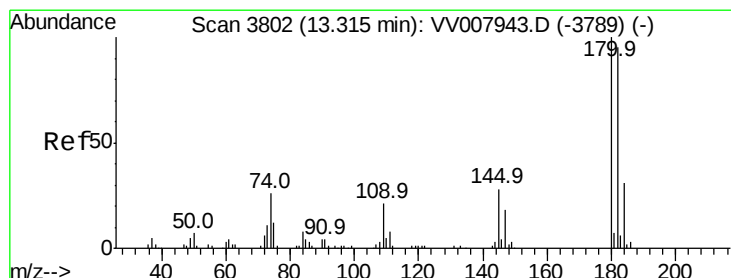
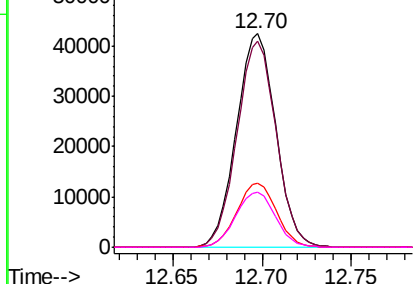
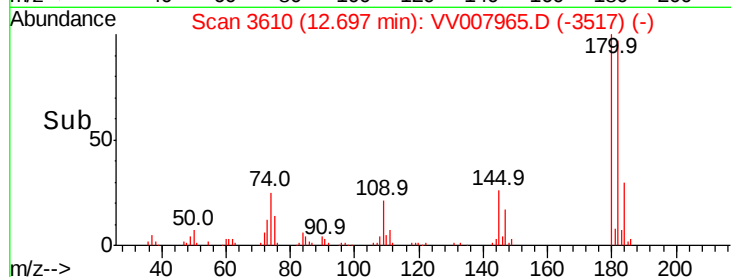
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

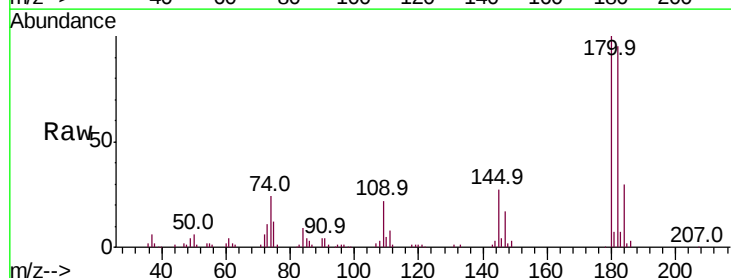
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.030 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007965.D
 Acq: 28 Sep 2018 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.2
145	27.9	22.6	33.8

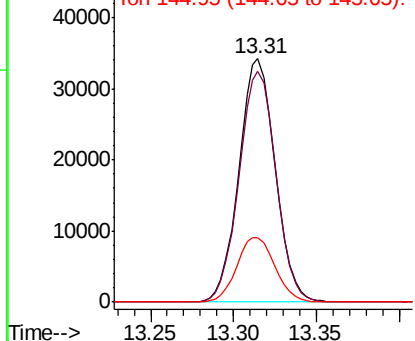
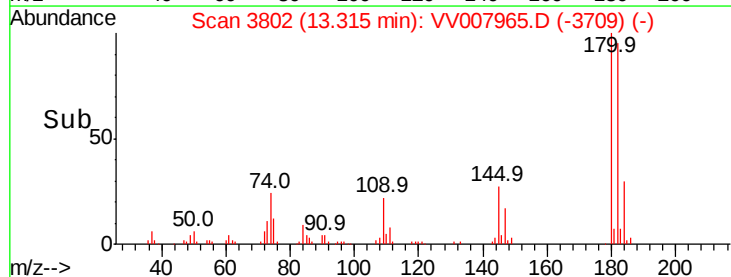


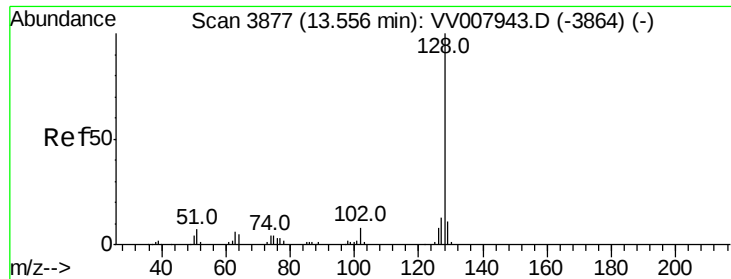
Abundance

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: 4.931 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

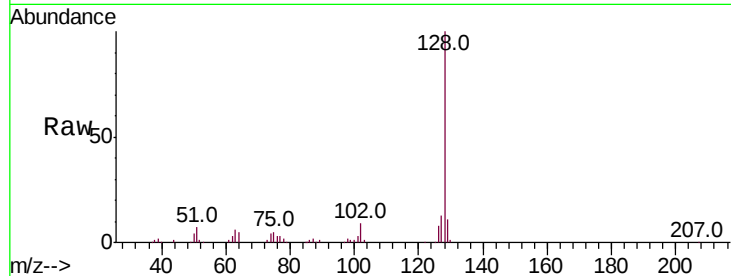
Tot Ion:128 Resp: 71370

Ion Ratio Lower Upper

128 100

129 10.1 8.6 13.0

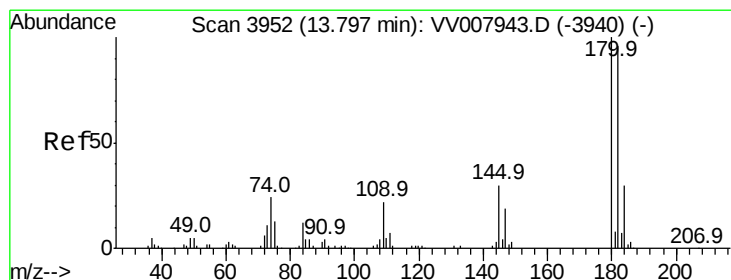
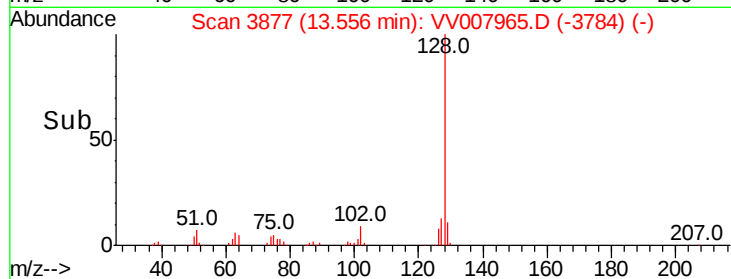
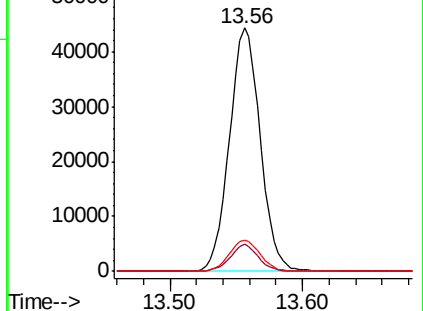
127 12.8 10.3 15.5



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: 5.211 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007965.D

Acq: 28 Sep 2018 20:51

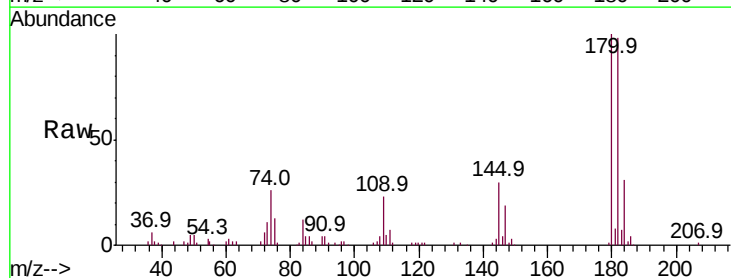
Tgt Ion:180 Resp: 48835

Ion Ratio Lower Upper

180 100

182 96.8 75.7 113.5

145 28.8 23.4 35.0



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

