

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007943.D
 Acq On : 28 Sep 2018 09:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Quant Time: Oct 01 01:49:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	93090	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91209	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48608	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22830	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.59	69	22064	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.14	63	55951	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	3.96	46	73960	49.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.54%
24) Chloroform-d	4.41	84	58689	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.09	65	30302	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	108173	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.12	67	33240	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	111087	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.67	79	13186	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.14	63	57884	49.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.68%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	26268	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	45012	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	42442	5.436	ug/L 99
3) Chloromethane	1.25	50	36321	5.228	ug/L 99
5) Vinyl chloride	1.32	62	37996	5.109	ug/L 100
6) Bromomethane	1.54	94	20362	4.439	ug/L 97
8) Chloroethane	1.60	64	24061	5.365	ug/L 100
9) Trichlorofluoromethane	1.77	101	64366	5.302	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37198	5.402	ug/L 98
12) 1,1-Dichloroethene	2.14	96	32847	5.338	ug/L 97
13) Acetone	2.22	43	52079	47.619	ug/L 99
14) Carbon disulfide	2.32	76	84243	5.050	ug/L 99
15) Methyl Acetate	2.47	43	13486	4.822	ug/L 99
16) Methylene chloride	2.54	84	34127	4.991	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	77139	5.074	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	34873	5.141	ug/L 98
19) 1,1-Dichloroethane	3.23	63	58088	5.019	ug/L 99
21) 2-Butanone	4.05	43	84364	48.418	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	36231	5.275	ug/L 99

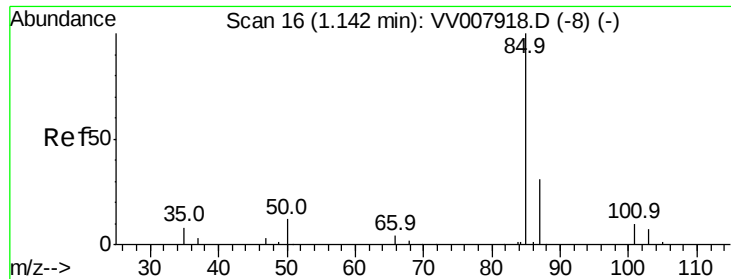
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007943.D
 Acq On : 28 Sep 2018 09:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Quant Time: Oct 01 01:49:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16177	5.416	ug/L	96
25) Chloroform	4.43	83	66259	5.293	ug/L	100
27) 1,2-Dichloroethane	5.19	62	42699	5.301	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	58518	5.336	ug/L	100
30) Cyclohexane	4.72	56	52925	5.133	ug/L	98
31) Carbon tetrachloride	4.88	117	52324	5.412	ug/L	99
33) Benzene	5.15	78	139460	5.340	ug/L	100
34) Trichloroethene	5.96	95	37455	5.008	ug/L	93
35) Methylcyclohexane	6.18	83	59768	5.330	ug/L	99
37) 1,2-Dichloropropane	6.23	63	35702	5.351	ug/L	100
38) Bromodichloromethane	6.56	83	42618	5.342	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	46949	5.260	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	209378	49.998	ug/L	99
42) Toluene	7.43	91	155597	5.471	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	38010	5.123	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	23923	4.968	ug/L	97
47) Tetrachloroethene	8.02	164	37098	5.353	ug/L	99
48) 2-Hexanone	8.19	43	147172	50.529	ug/L	99
49) Dibromochloromethane	8.30	129	29533	5.373	ug/L	100
50) 1,2-Dibromoethane	8.40	107	23232	5.278	ug/L #	97
51) Chlorobenzene	8.93	112	103565	5.272	ug/L	99
52) Ethylbenzene	9.06	91	168151	5.300	ug/L	100
53) m,p-xylene	9.18	106	65434	5.416	ug/L	96
54) o-xylene	9.59	106	61148	5.240	ug/L	99
55) Styrene	9.61	104	106492	5.343	ug/L	98
56) Isopropylbenzene	9.98	105	170742	5.402	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	28723	5.079	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	21191	5.105	ug/L	98
61) Bromoform	9.78	173	15895	5.445	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	86255	5.375	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	87551	5.247	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	81251	5.371	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3874	5.027	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	75338	5.483	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	60109	5.176	ug/L	98
69) Naphthalene	13.56	128	77947	4.798	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	54669	5.198	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.436 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

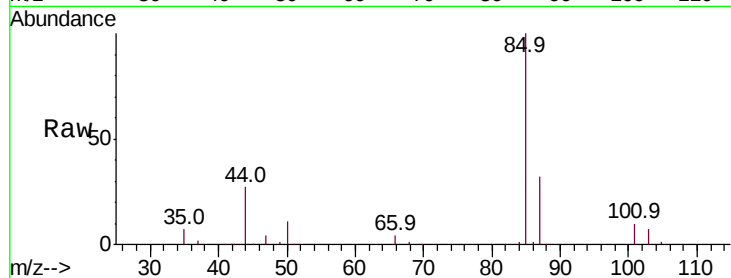
VSTD00580

Tot Ion: 85 Resp: 42442

Ion Ratio Lower Upper

85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007918.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007918.D (-8) (-)

1.14

40000

30000

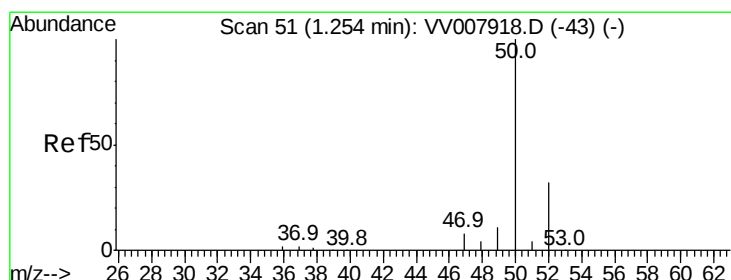
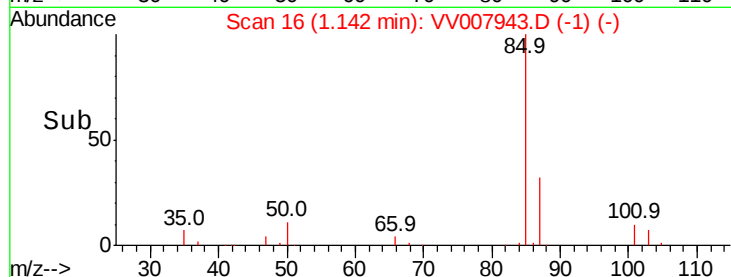
20000

10000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 5.228 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007943.D

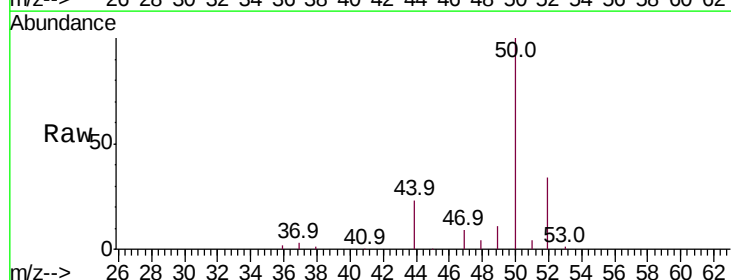
Acq: 28 Sep 2018 09:52

Tgt Ion: 50 Resp: 36321

Ion Ratio Lower Upper

50 100

52 33.9 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007918.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007918.D (-43) (-)

1.25

30000

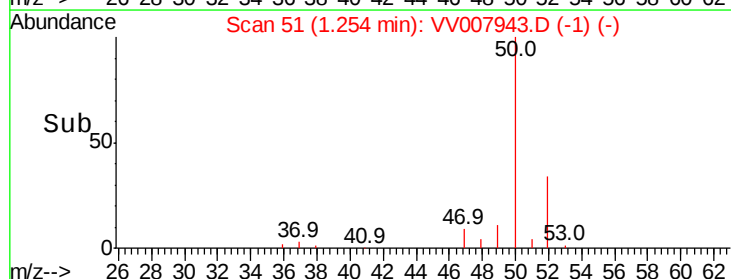
20000

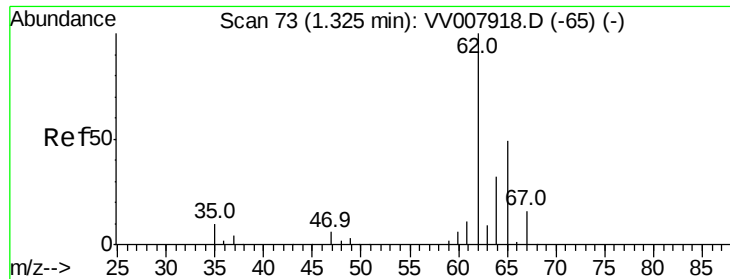
10000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.109 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

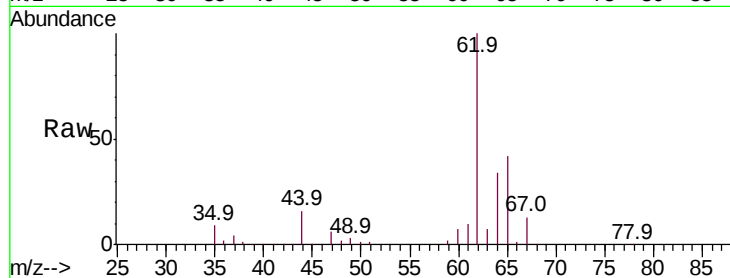
VSTD00580

Tot Ion: 62 Resp: 37996

Ion Ratio Lower Upper

62 100

64 34.4 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007918.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007918.D (-65) (-)

1.32

40000

30000

20000

10000

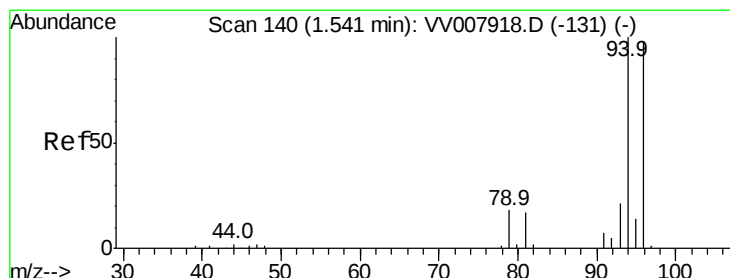
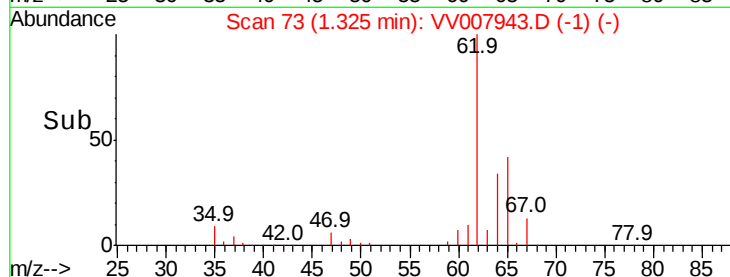
0

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 4.439 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV007943.D

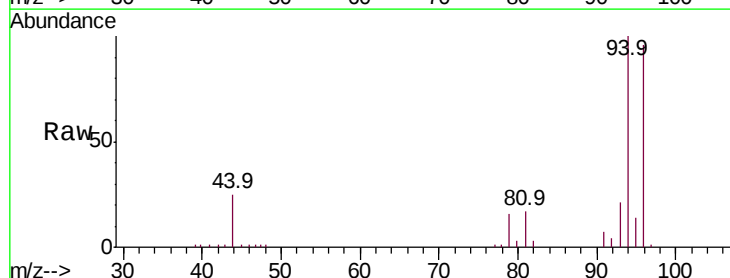
Acq: 28 Sep 2018 09:52

Tgt Ion: 94 Resp: 20362

Ion Ratio Lower Upper

94 100

96 96.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007918.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV007918.D (-131) (-)

1.54

20000

15000

10000

5000

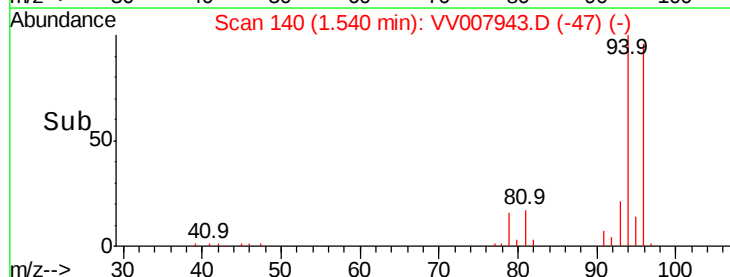
0

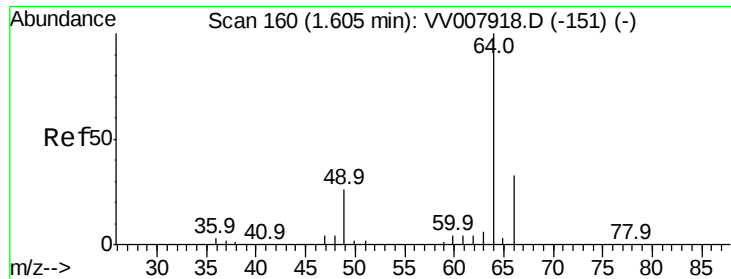
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 5.365 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

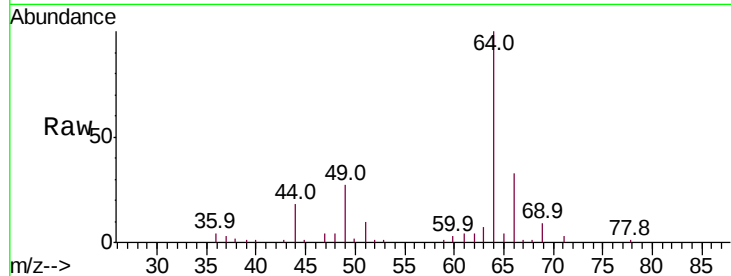
VSTD00580

Tot Ion: 64 Resp: 24061

Ion Ratio Lower Upper

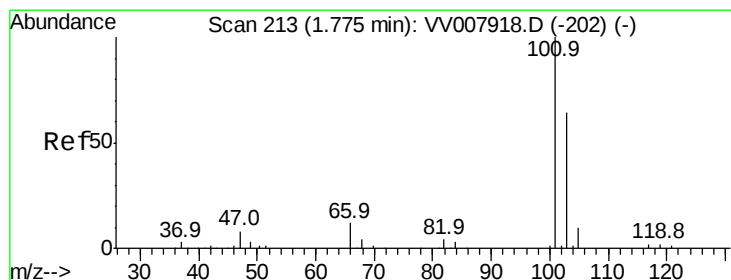
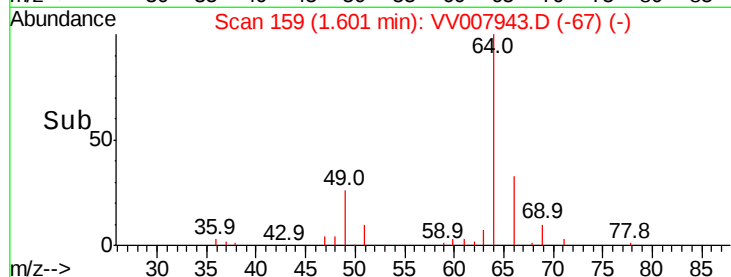
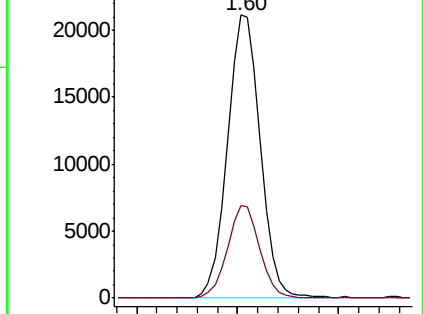
64 100

66 32.9 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV007918.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV007918.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 5.302 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007943.D

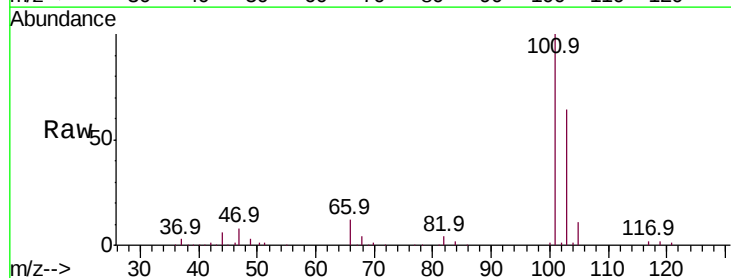
Acq: 28 Sep 2018 09:52

Tgt Ion: 101 Resp: 64366

Ion Ratio Lower Upper

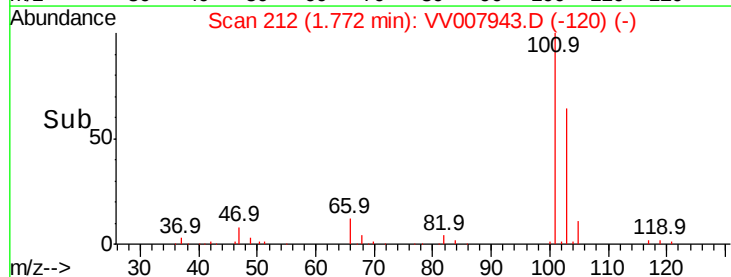
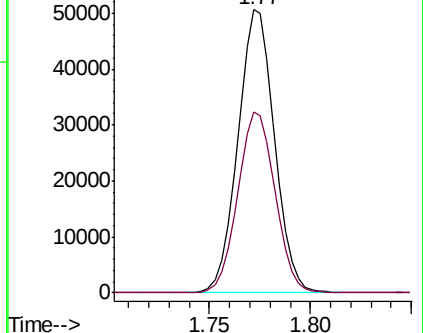
101 100

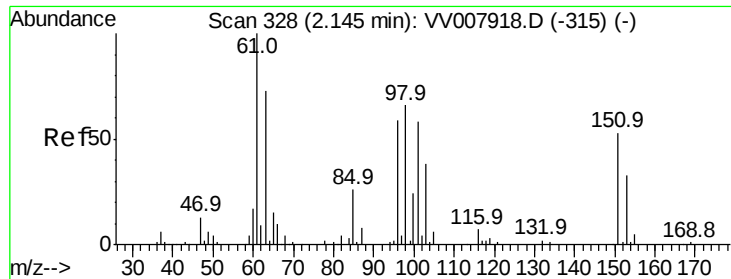
103 65.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007918.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007918.D (-202) (-)





#10

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

Concen: 5.402 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

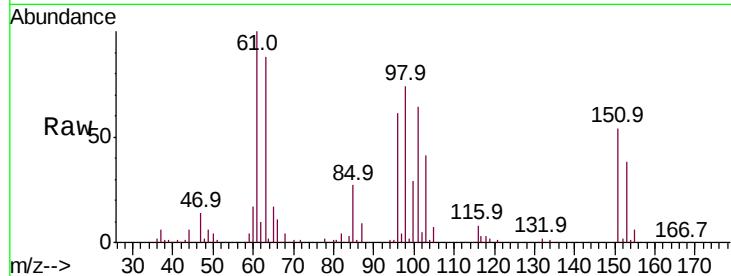
Tot Ion:101 Resp: 37198

Ion Ratio Lower Upper

101 100

85 43.9 34.7 52.1

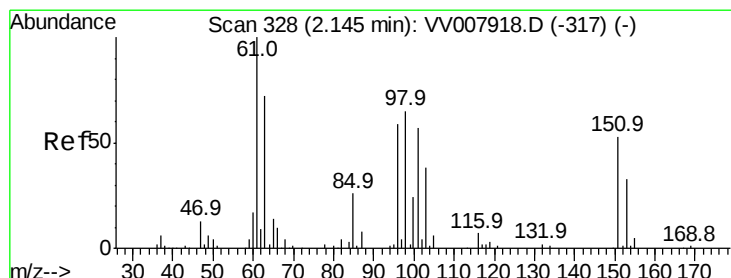
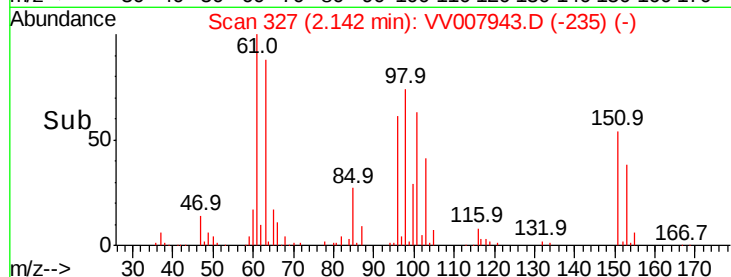
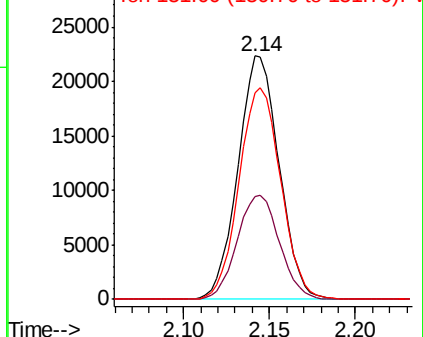
151 88.2 72.2 108.2



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: 5.338 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

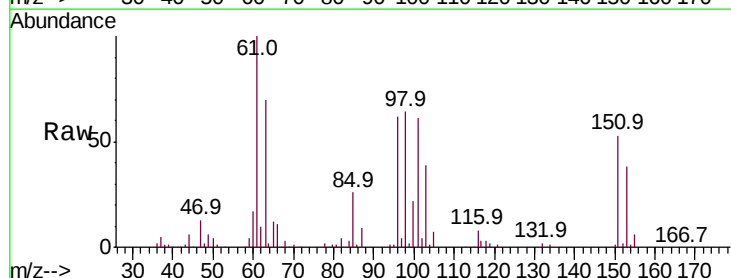
Tgt Ion: 96 Resp: 32847

Ion Ratio Lower Upper

96 100

61 160.4 114.1 211.9

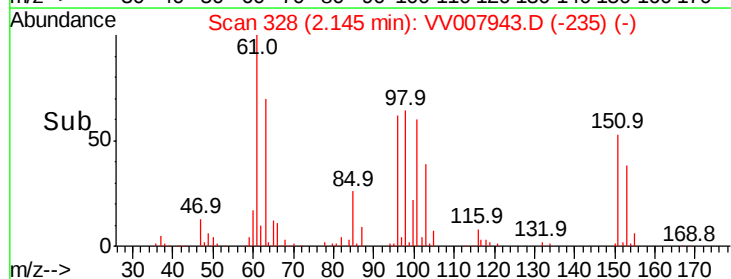
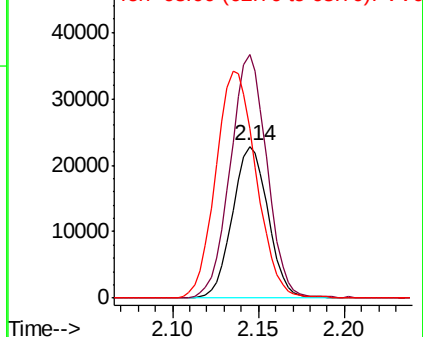
63 111.8 81.5 151.3

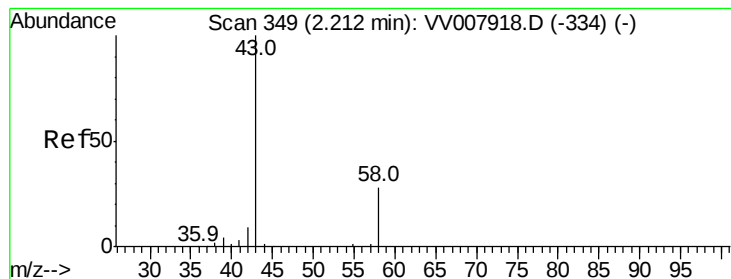


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.619 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

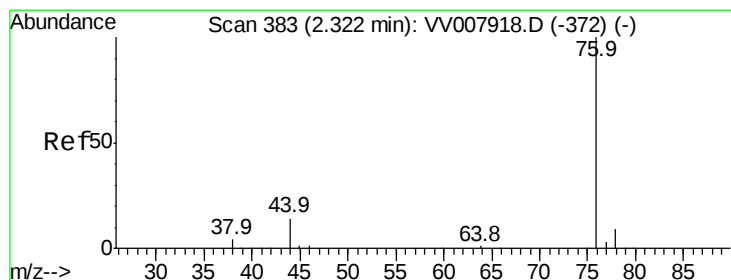
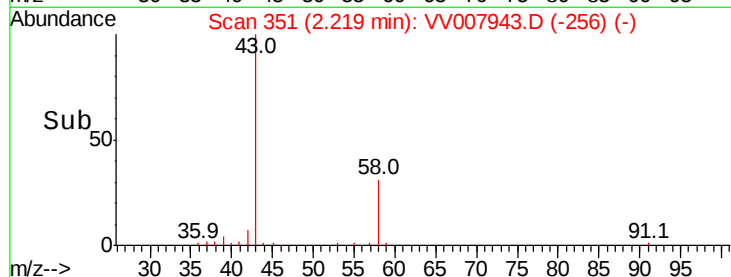
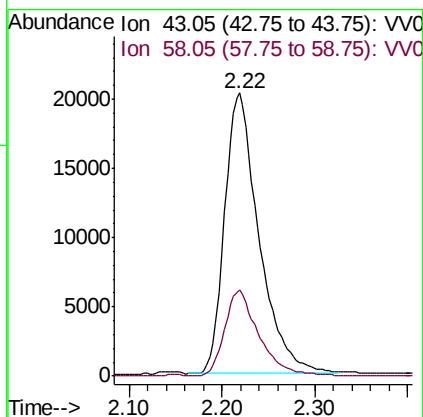
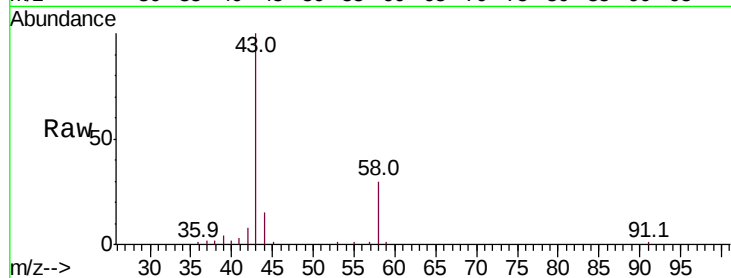
VSTD00580

Tot Ion: 43 Resp: 52079

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.0



#14

Carbon disulfide

Concen: 5.050 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007943.D

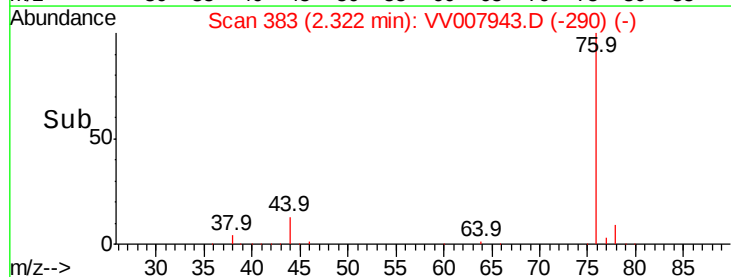
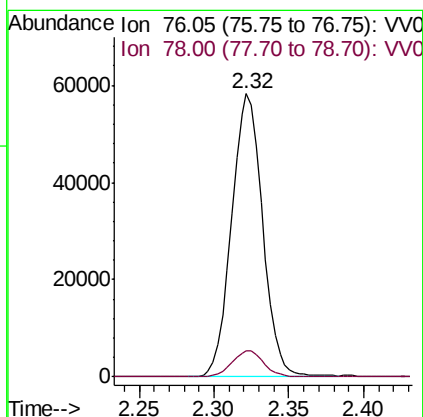
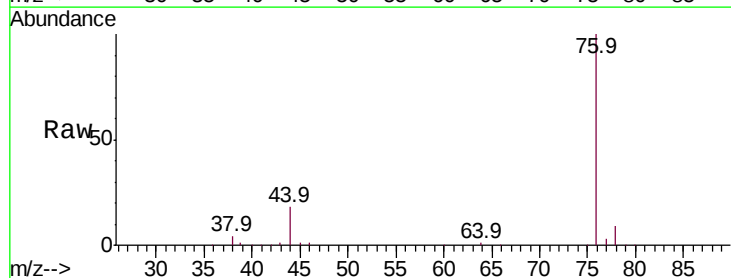
Acq: 28 Sep 2018 09:52

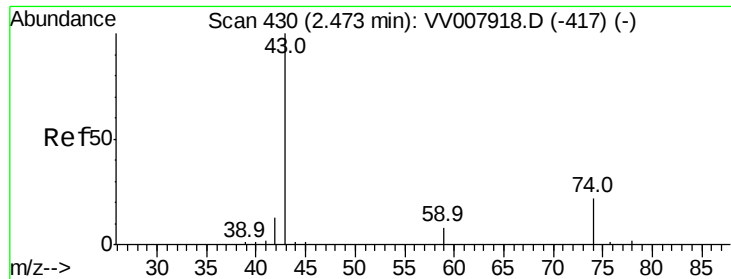
Tgt Ion: 76 Resp: 84243

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

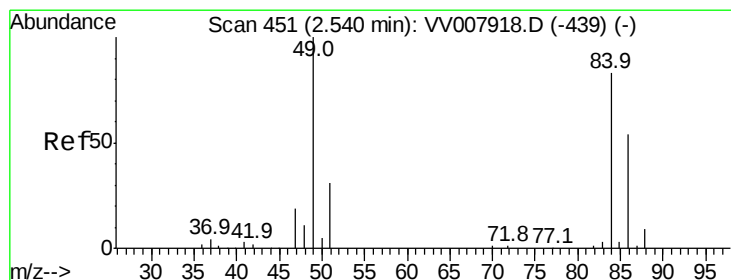
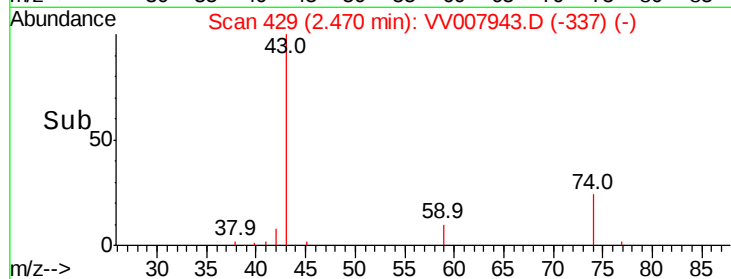
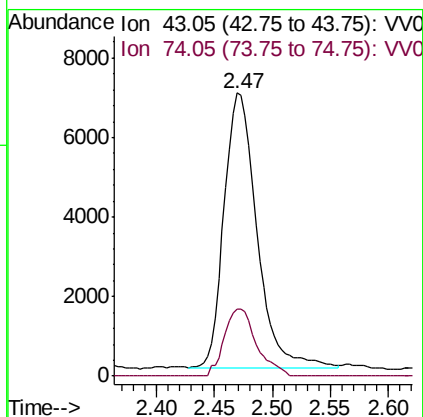
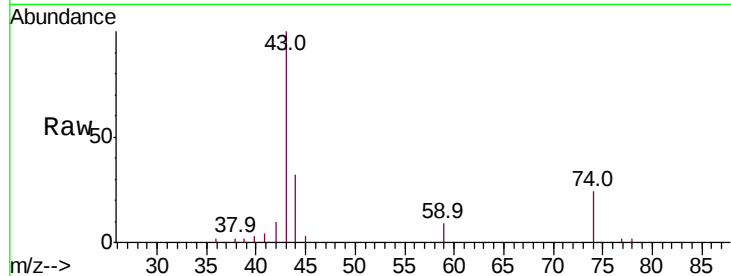




#15
Methvl Acetate
Concen: 4.822 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

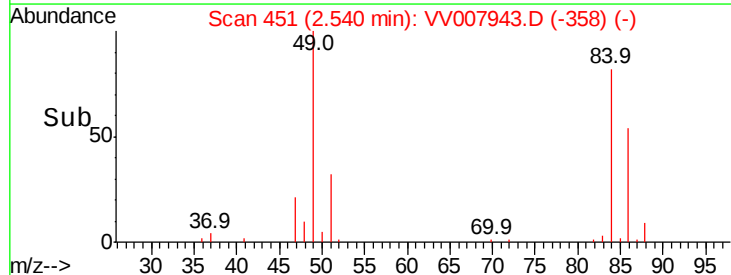
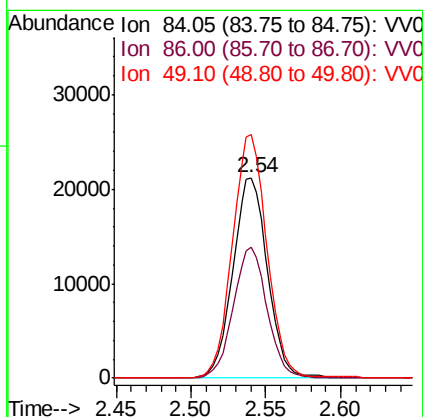
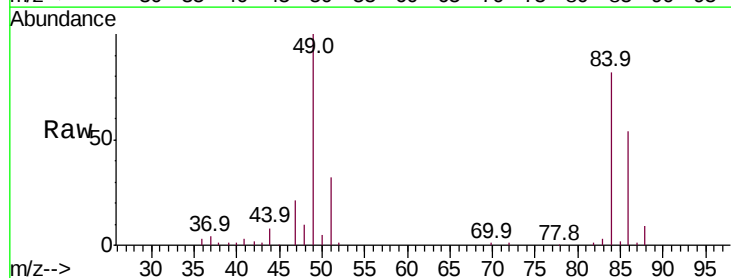
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

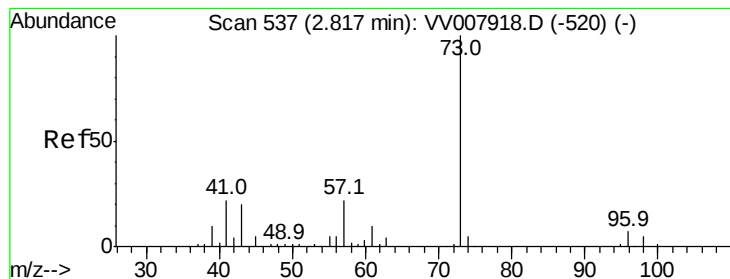
Tot Ion: 43 Resp: 13486
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3



#16
Methylene chloride
Concen: 4.991 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Tgt Ion: 84 Resp: 34127
Ion Ratio Lower Upper
84 100
86 65.1 47.3 87.8
49 121.4 90.0 167.2



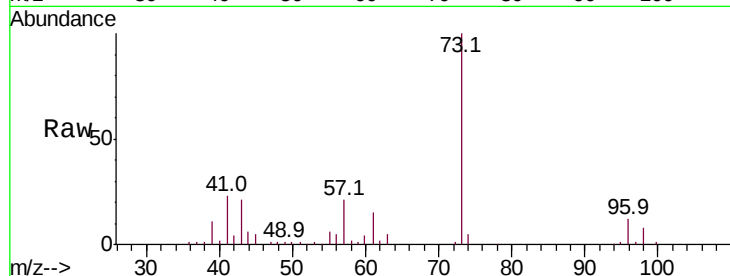


#17

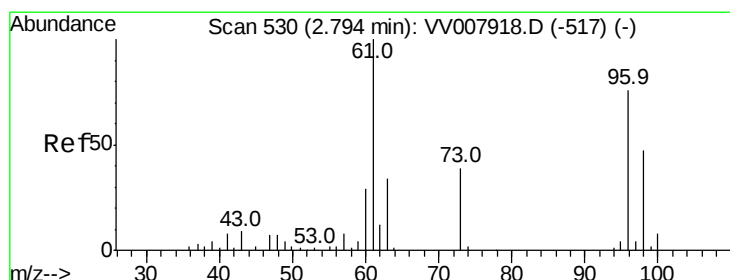
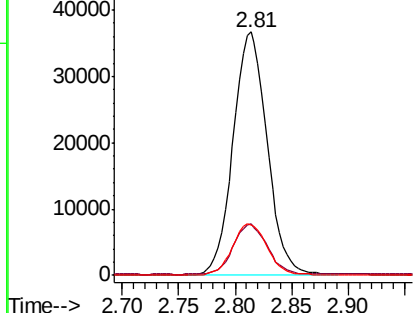
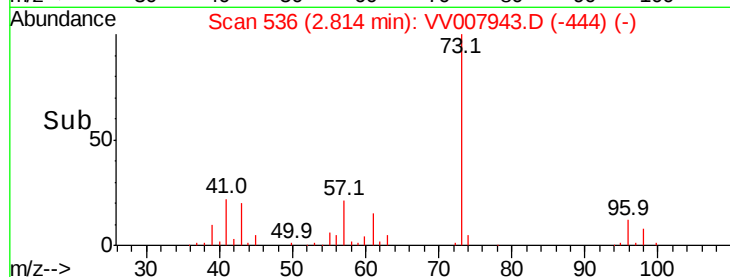
Methvl tert-butvl Ether
 Concen: 5.074 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tot Ion: 73 Resp: 77139
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.8 25.2
 57 21.6 17.6 26.4



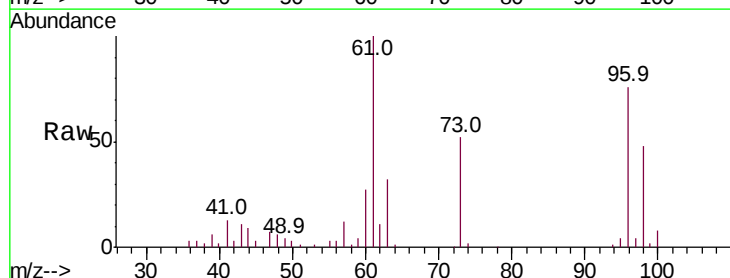
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



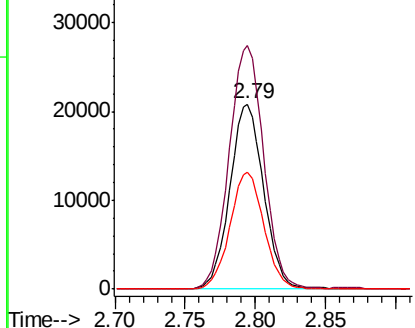
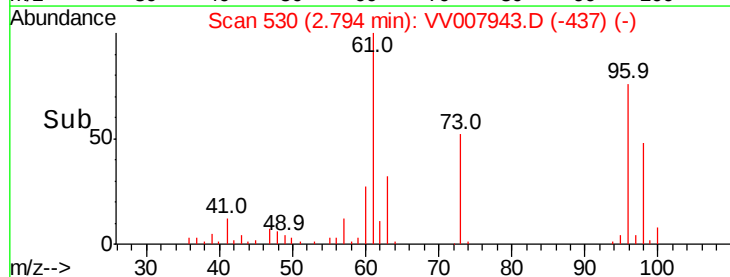
#18

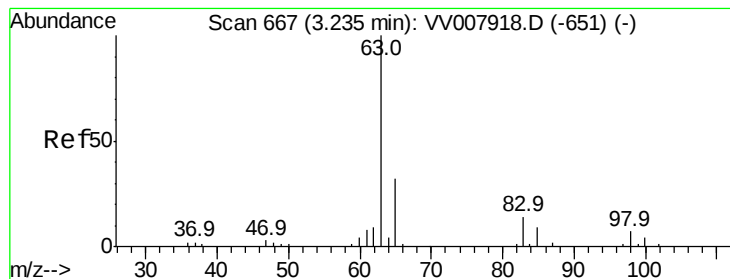
trans-1,2-Dichloroethene
 Concen: 5.141 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Tgt Ion: 96 Resp: 34873
 Ion Ratio Lower Upper
 96 100
 61 131.4 94.2 175.0
 98 62.8 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: 5.019 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

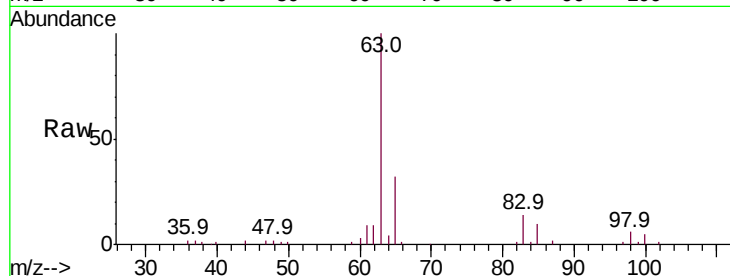
Tot Ion: 63 Resp: 58088

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

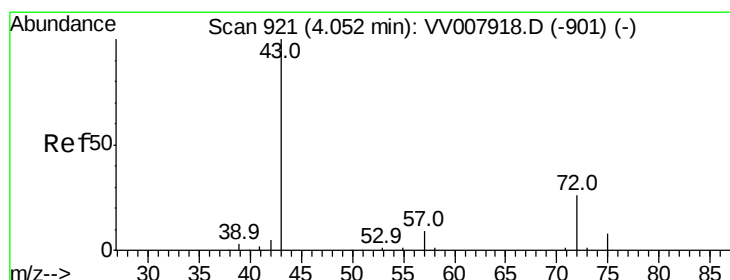
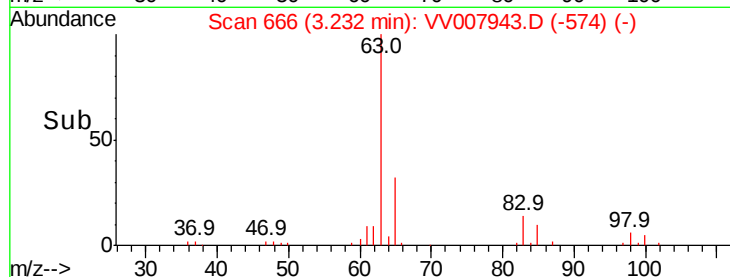
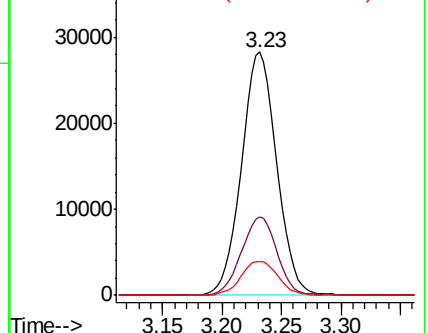
83 14.0 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV007918.D (-651) (-)

Ion 65.10 (64.80 to 65.80): VV007918.D (-651) (-)

Ion 83.05 (82.75 to 83.75): VV007918.D (-651) (-)



#21

2-Butanone

Concen: 48.418 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV007943.D

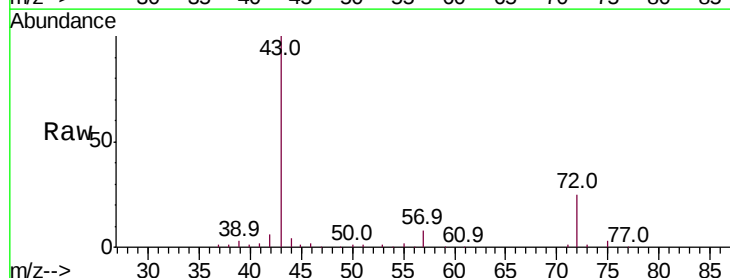
Acq: 28 Sep 2018 09:52

Tgt Ion: 43 Resp: 84364

Ion Ratio Lower Upper

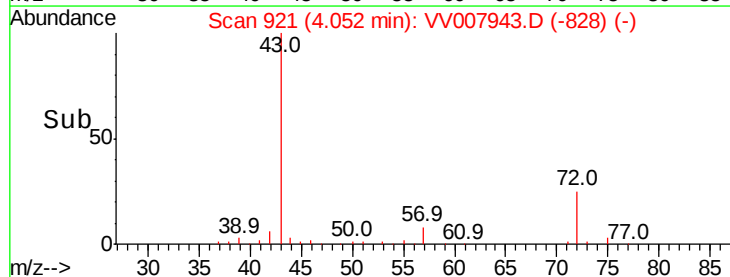
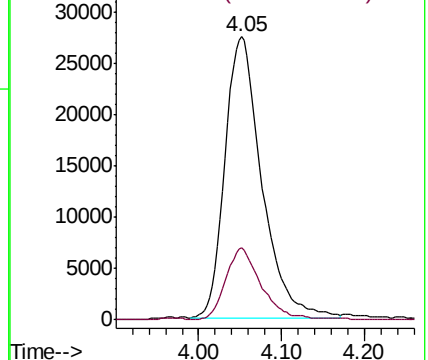
43 100

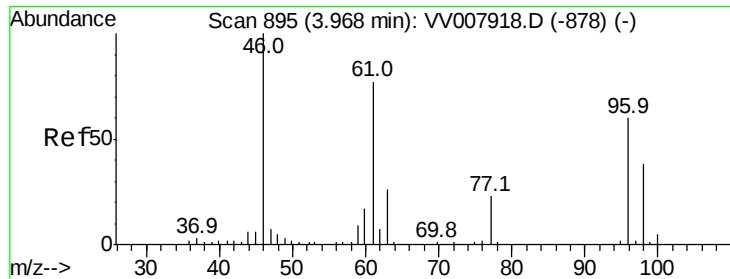
72 24.6 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV007918.D (-901) (-)

Ion 72.10 (71.80 to 72.80): VV007918.D (-901) (-)



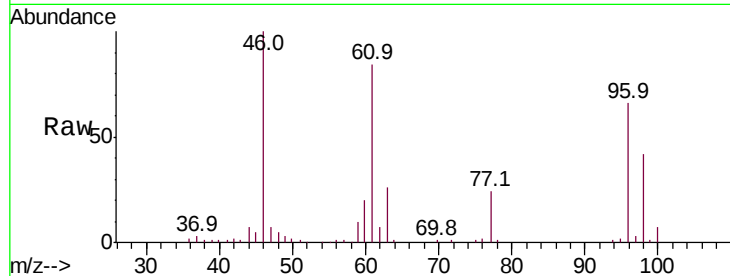


#22

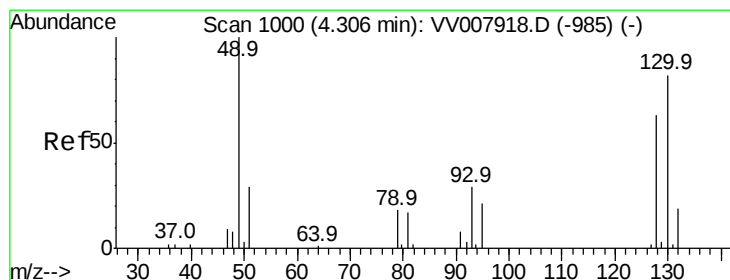
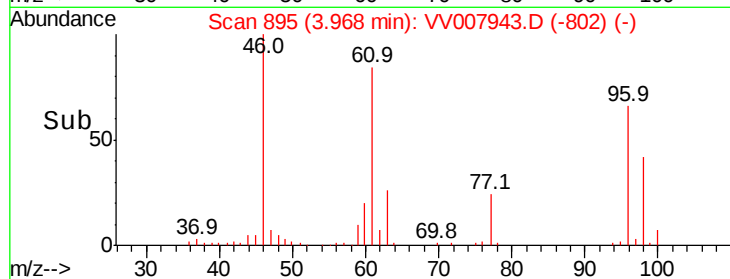
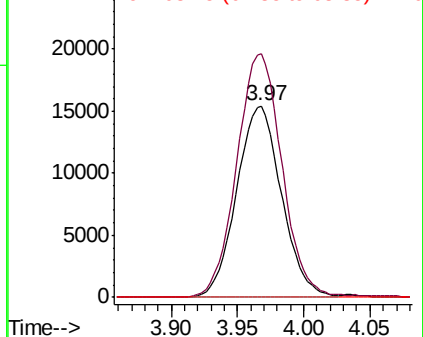
cis-1,2-Dichloroethene
Concen: 5.275 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tot Ion: 96 Resp: 36231
Ion Ratio Lower Upper
96 100
61 127.2 89.5 166.1
68 0.0 0.0 0.0



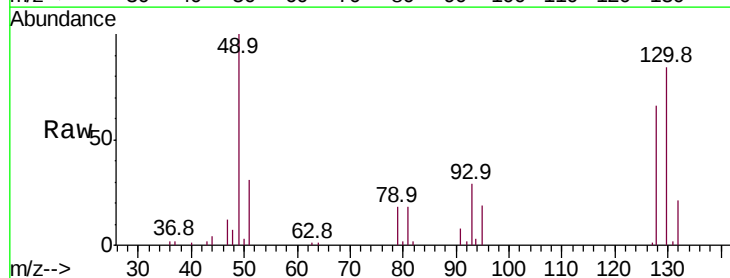
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



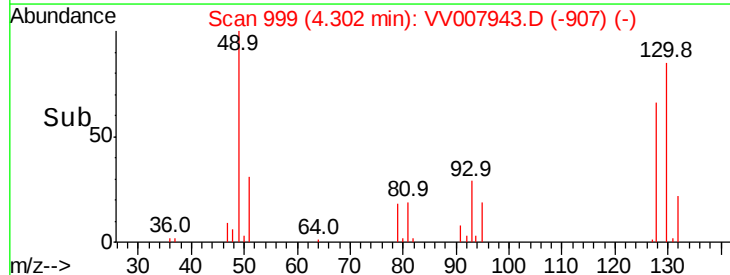
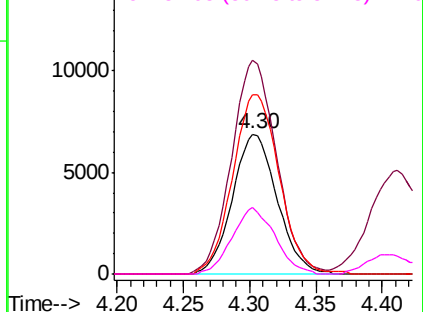
#23

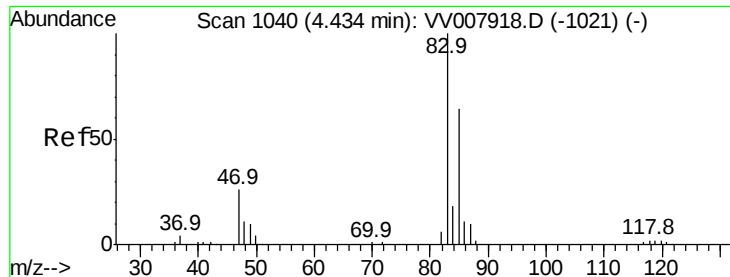
Bromochloromethane
Concen: 5.416 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Tgt Ion: 128 Resp: 16177
Ion Ratio Lower Upper
128 100
49 152.6 112.8 209.4
130 128.1 92.3 171.5
51 47.2 38.4 57.6



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

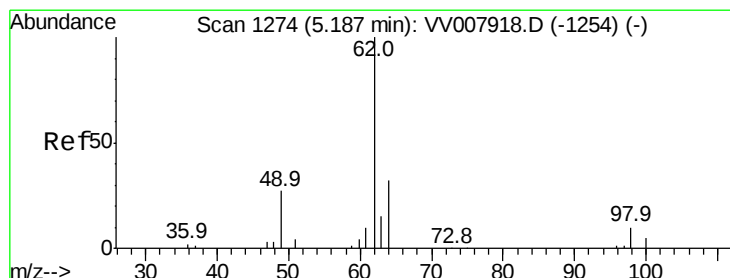
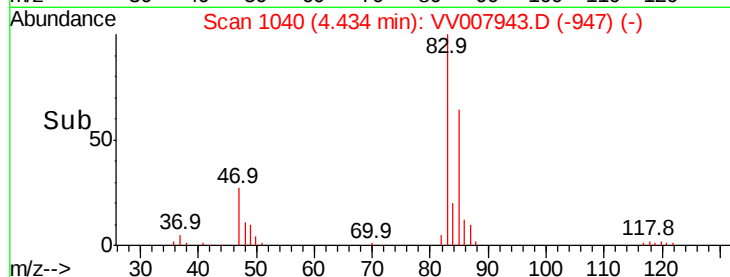
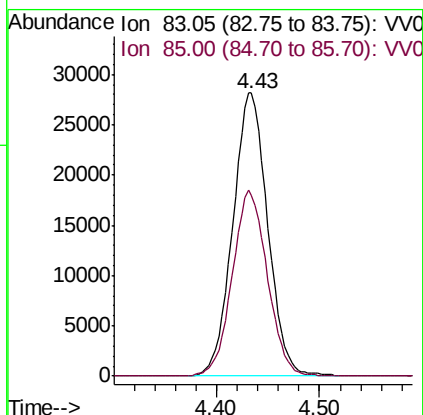
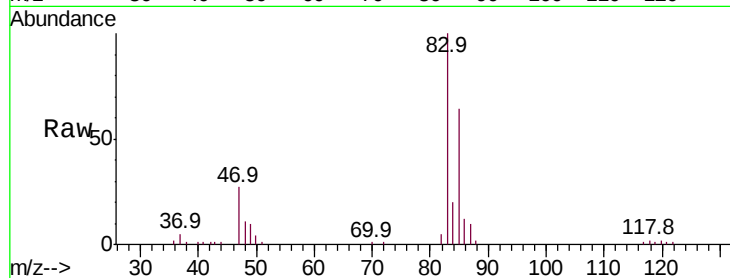




#25
Chloroform
Concen: 5.293 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

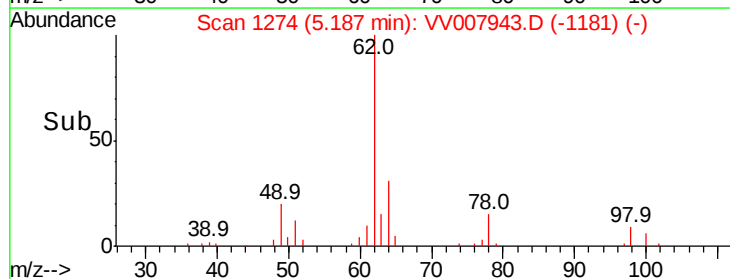
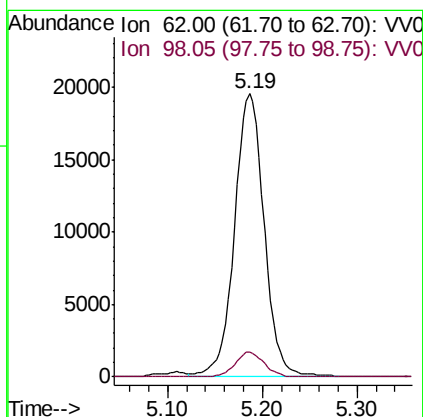
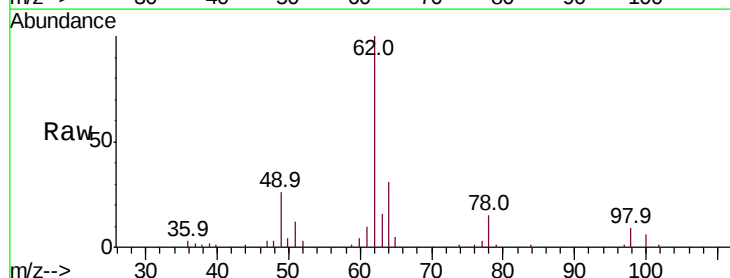
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

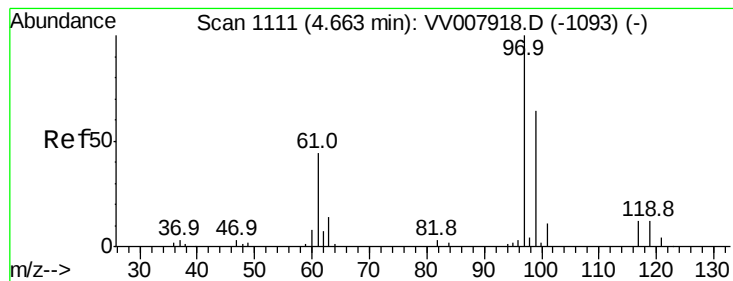
Tot Ion: 83 Resp: 66259
Ion Ratio Lower Upper
83 100
85 64.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.301 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Tgt Ion: 62 Resp: 42699
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.336 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

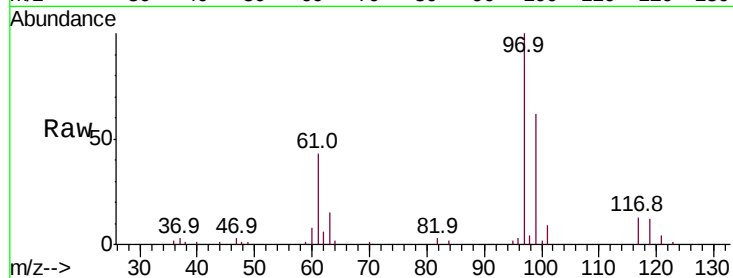
Tot Ion: 97 Resp: 58518

Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

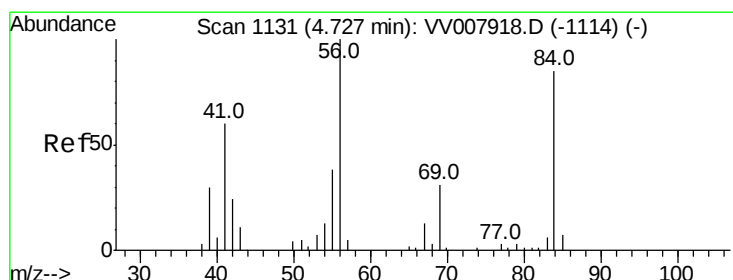
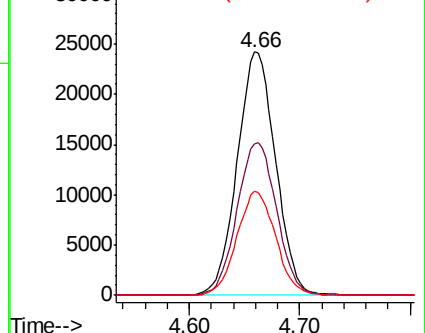
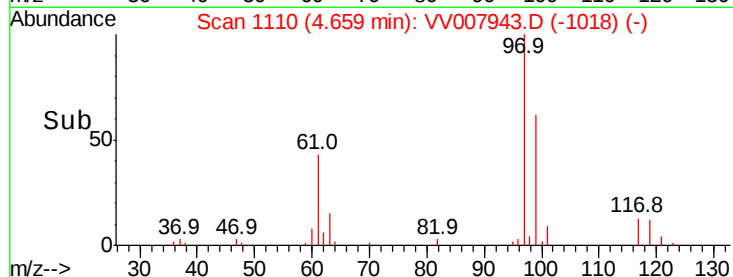
61 43.1 34.6 52.0



Abundance Ion 96.95 (96.65 to 97.65): VV007943.D (-1018) (-)

Ion 99.05 (98.75 to 99.75): VV007943.D (-1018) (-)

Ion 61.05 (60.75 to 61.75): VV007943.D (-1018) (-)



#30

Cyclohexane

Concen: 5.133 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

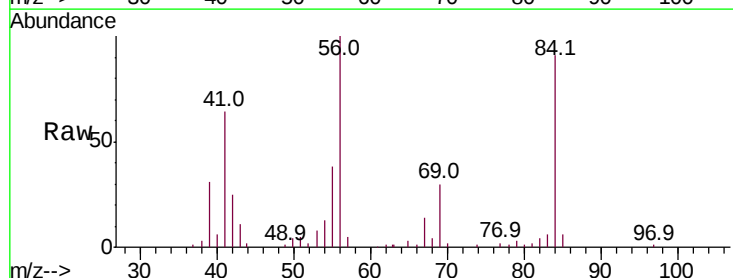
Tgt Ion: 56 Resp: 52925

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

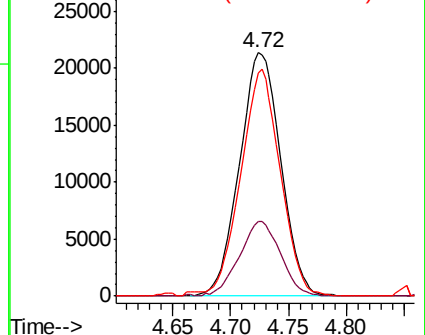
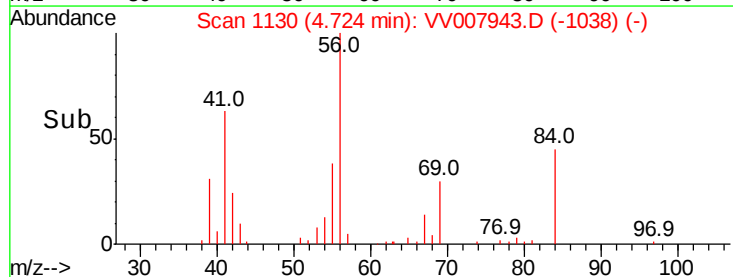
84 89.2 69.8 104.8

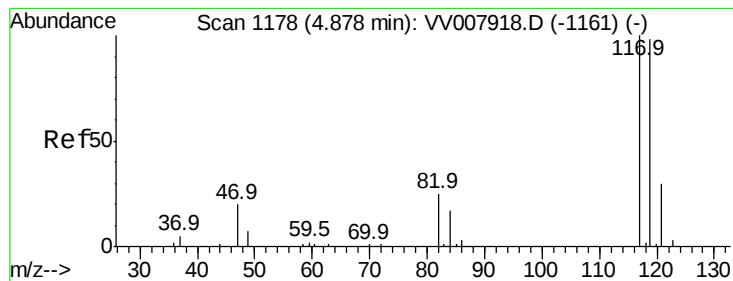


Abundance Ion 56.10 (55.80 to 56.80): VV007943.D (-1038) (-)

Ion 69.15 (68.85 to 69.85): VV007943.D (-1038) (-)

Ion 84.15 (83.85 to 84.85): VV007943.D (-1038) (-)





#31

Carbon tetrachloride

Concen: 5.412 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

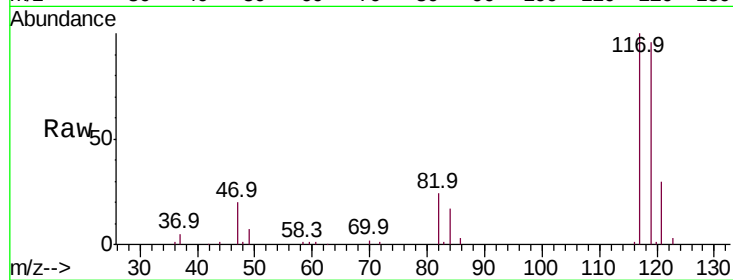
VSTD00580

Tot Ion:117 Resp: 52324

Ion Ratio Lower Upper

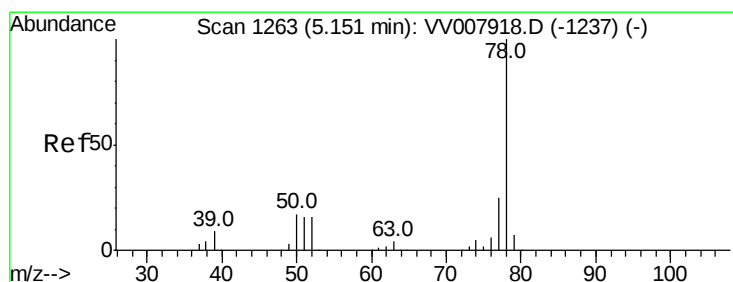
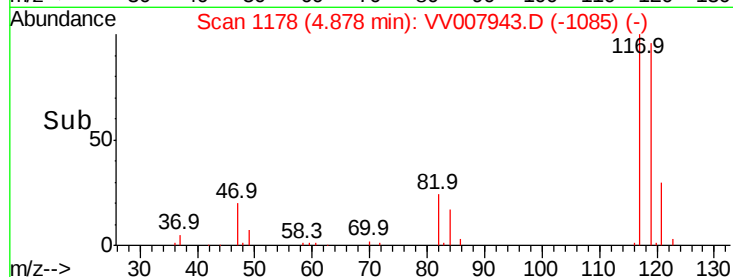
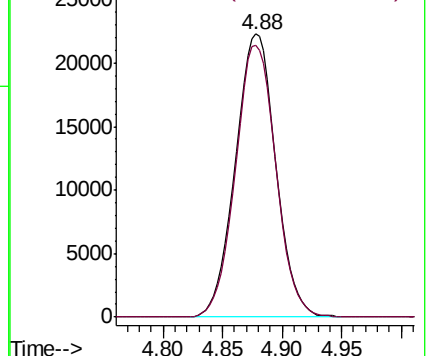
117 100

119 96.4 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: 5.340 ug/L

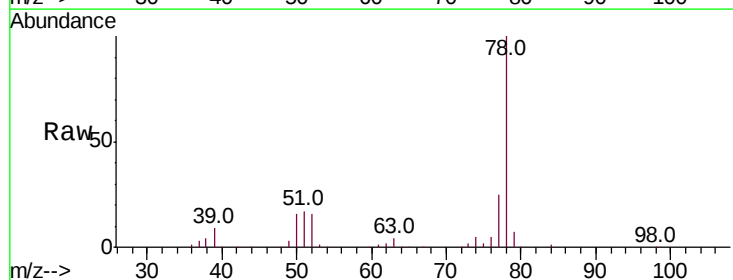
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

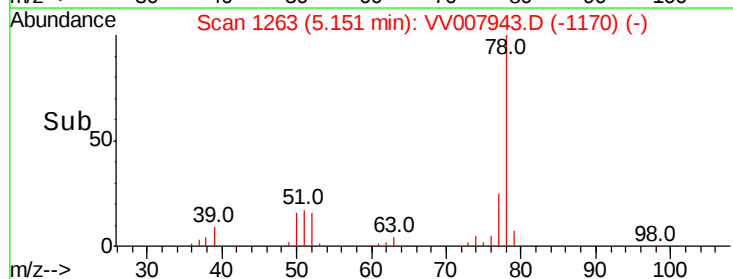
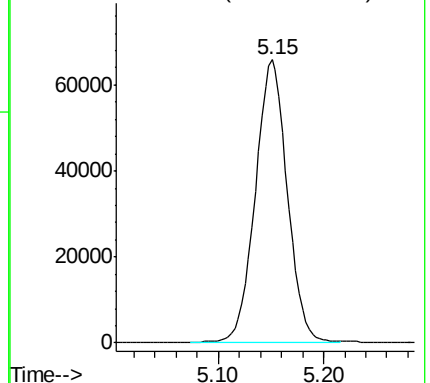
Lab File: VV007943.D

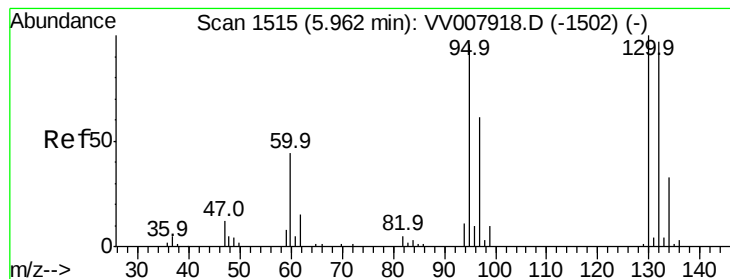
Acq: 28 Sep 2018 09:52

Tgt Ion: 78 Resp: 139460



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.008 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

Tot Ion: 95 Resp: 37455

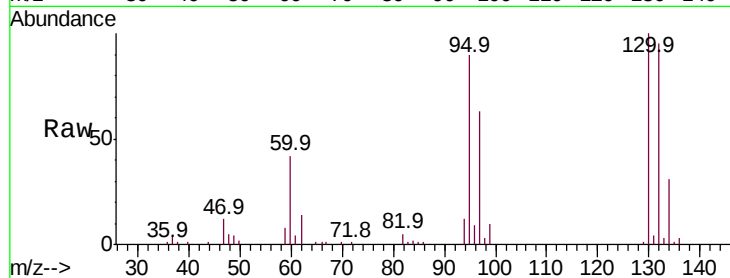
Ion Ratio Lower Upper

95 100

97 69.3 43.6 81.0

132 104.8 69.9 129.9

130 110.9 71.7 133.3

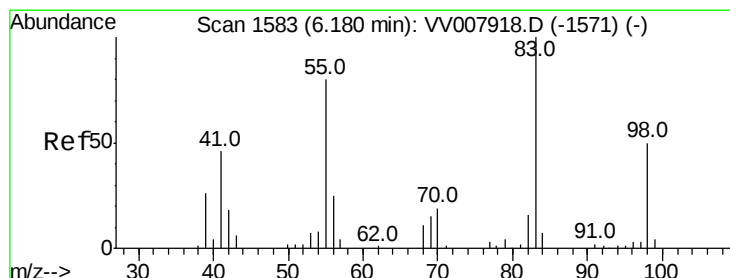
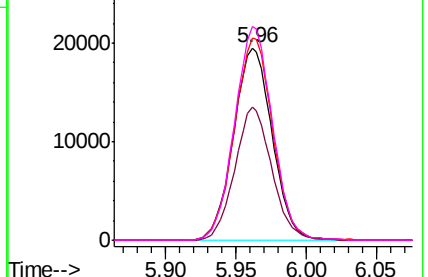
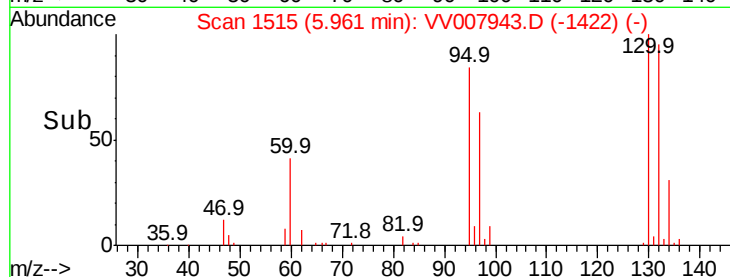


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.330 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

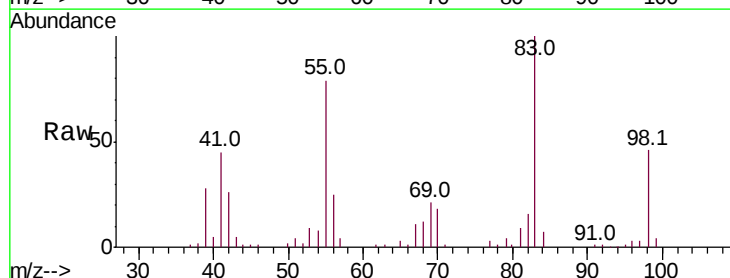
Tgt Ion: 83 Resp: 59768

Ion Ratio Lower Upper

83 100

55 78.3 62.2 93.2

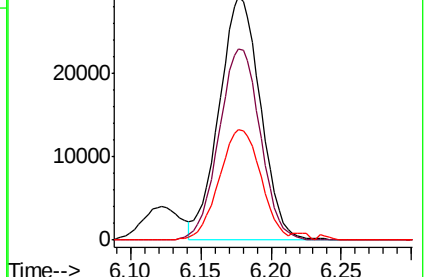
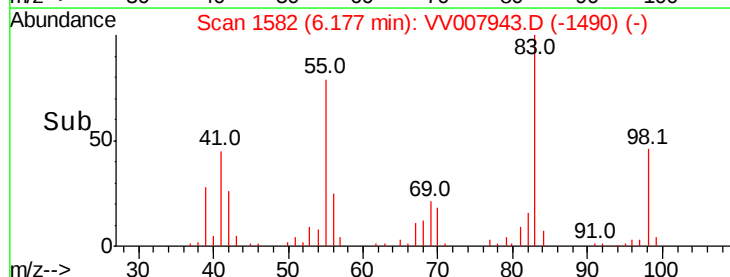
98 45.7 38.0 57.0

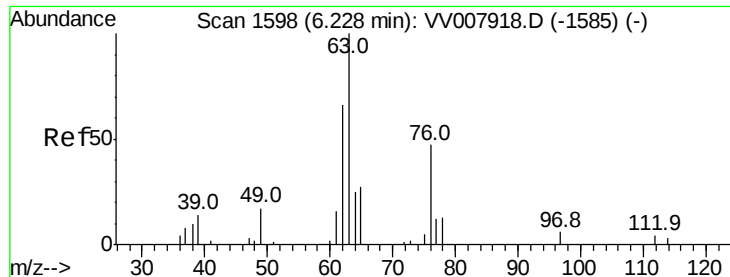


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.351 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

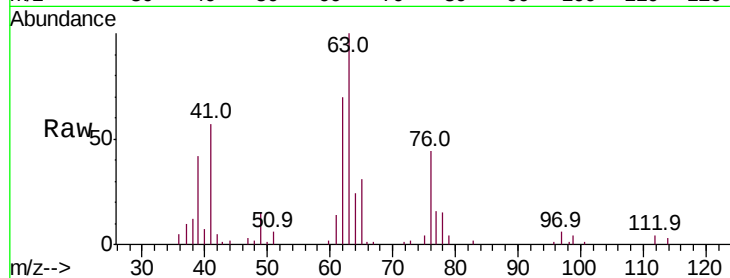
VSTD00580

Tot Ion: 63 Resp: 35702

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV007918.D (-1585) (-)

Ion 112.10 (111.80 to 112.80): VV007918.D (-1585) (-)

6.23

20000

15000

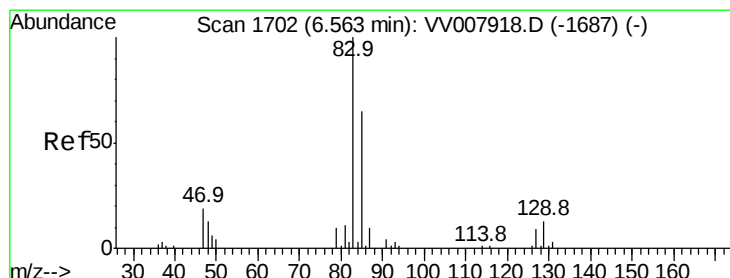
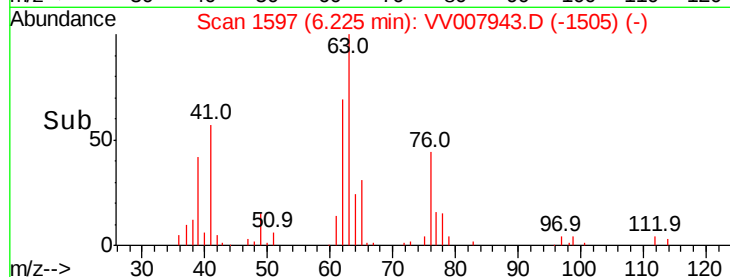
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.342 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

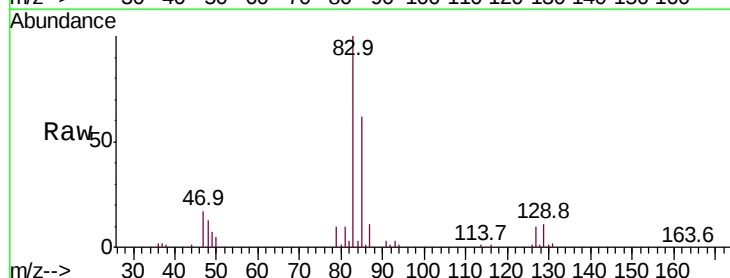
Tgt Ion: 83 Resp: 42618

Ion Ratio Lower Upper

83 100

85 62.4 44.7 82.9

127 10.4 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV007918.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV007918.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV007918.D (-1687) (-)

6.56

30000

25000

20000

15000

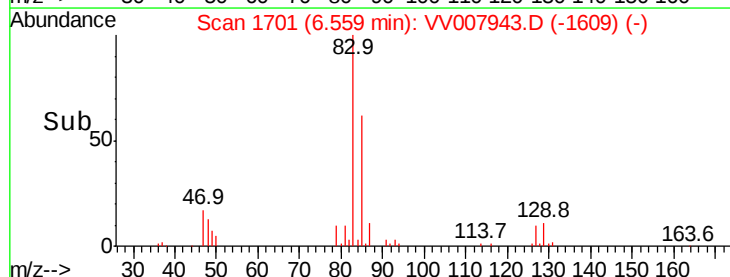
10000

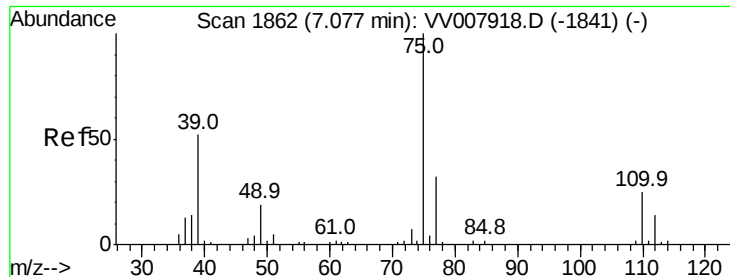
5000

0

6.50 6.55 6.60 6.65

Time-->

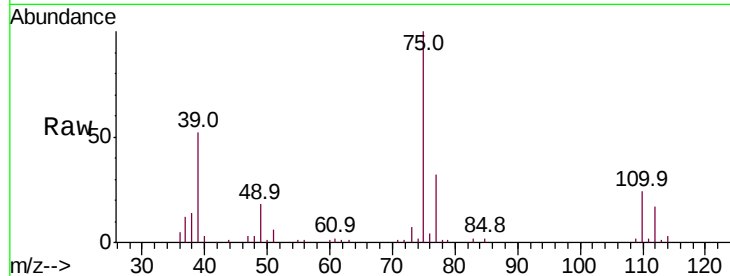




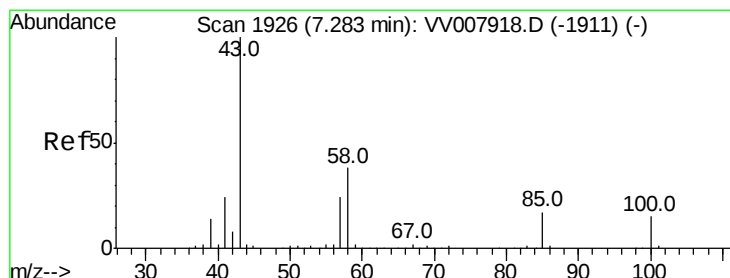
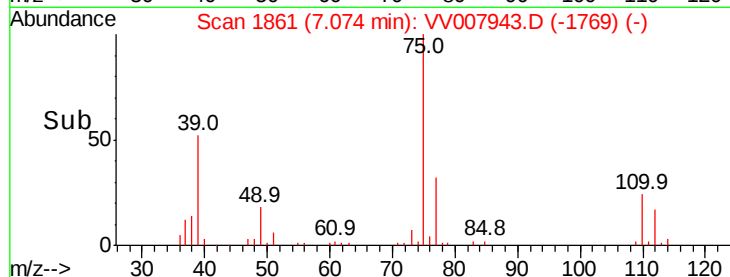
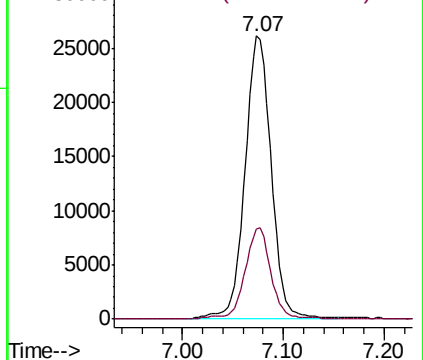
#39
 cis-1,3-Dichloropropene
 Concen: 5.260 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tot Ion: 75 Resp: 46949
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.9 42.5

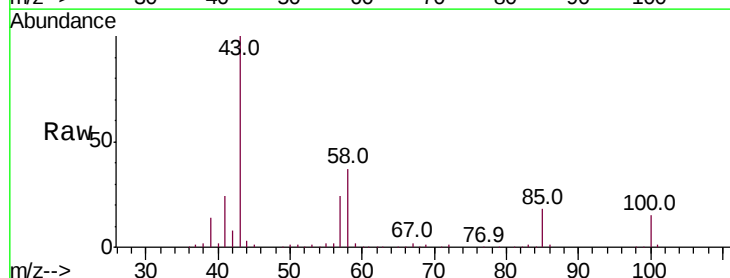


Abundance Ion 75.05 (74.75 to 75.75): VV007918.D (-1841) (-)
 Ion 77.05 (76.75 to 77.75): VV007918.D (-1841) (-)

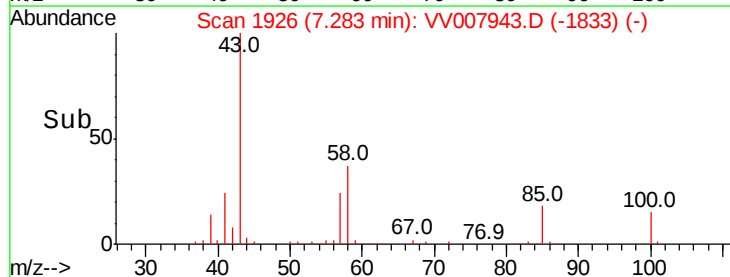
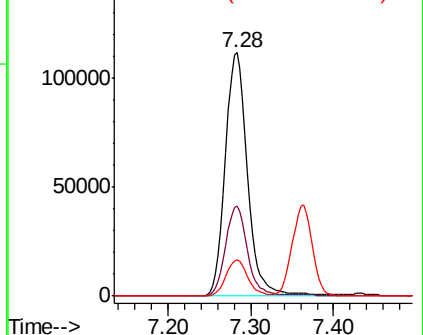


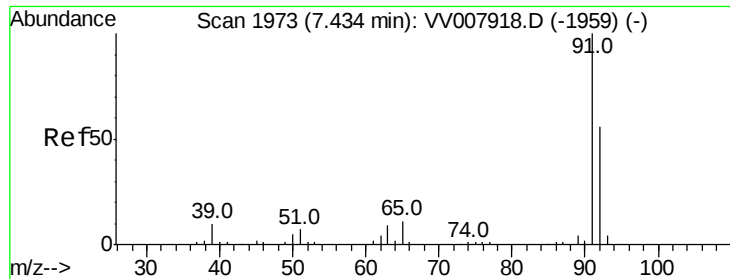
#40
 4-Methyl-2-pentanone
 Concen: 49.998 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Tgt Ion: 43 Resp: 209378
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.4 44.0
 100 14.4 11.5 17.3



Abundance Ion 43.05 (42.75 to 43.75): VV007918.D (-1911) (-)
 Ion 58.05 (57.75 to 58.75): VV007918.D (-1911) (-)
 Ion 100.15 (99.85 to 100.85): VV007918.D (-1911) (-)





#42

Toluene

Concen: 5.471 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

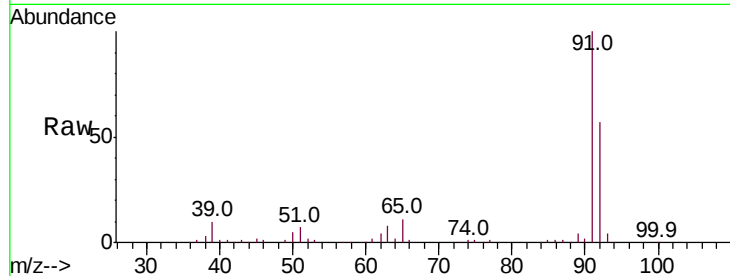
VSTD00580

Tot Ion: 91 Resp: 155597

Ion Ratio Lower Upper

91 100

92 56.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007918.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007918.D (-1959) (-)

7.43

100000

80000

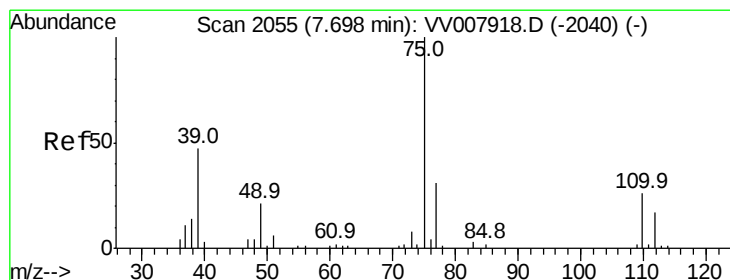
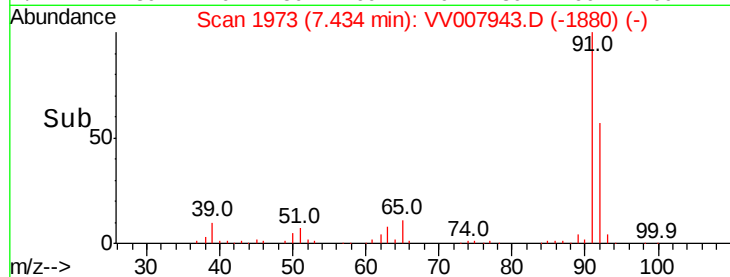
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.123 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007943.D

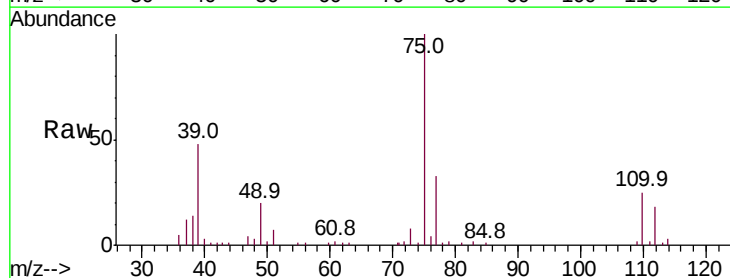
Acq: 28 Sep 2018 09:52

Tgt Ion: 75 Resp: 38010

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007918.D (-2040) (-)

Ion 77.05 (76.75 to 77.75): VV007918.D (-2040) (-)

7.70

25000

20000

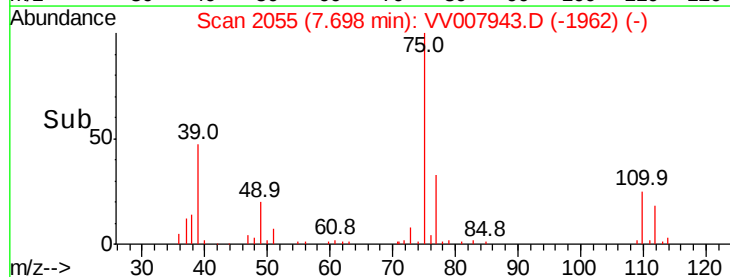
15000

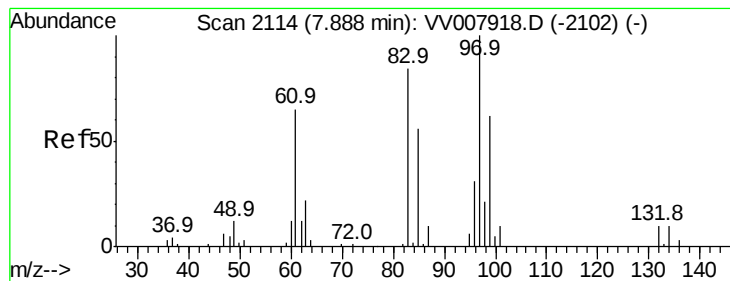
10000

5000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.968 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

Tot Ion: 97 Resp: 23923

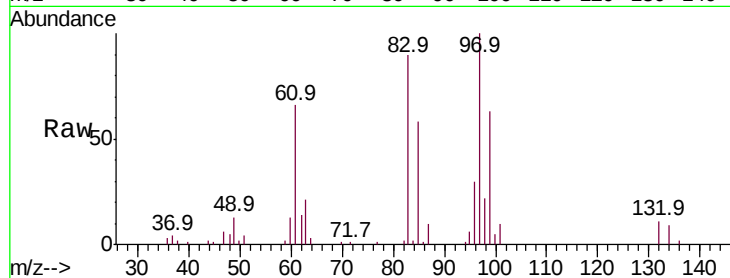
Ion Ratio Lower Upper

97 100

99 63.0 43.5 80.9

83 90.3 59.7 110.9

85 57.5 39.5 73.3



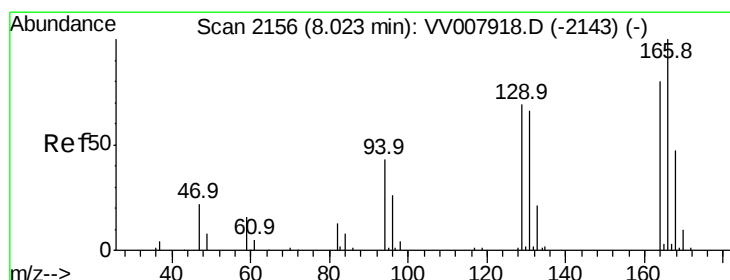
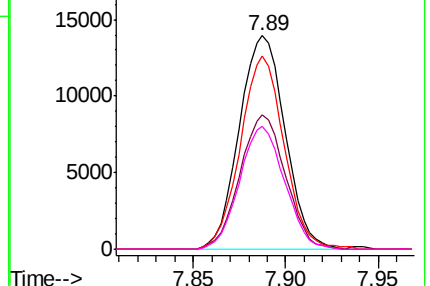
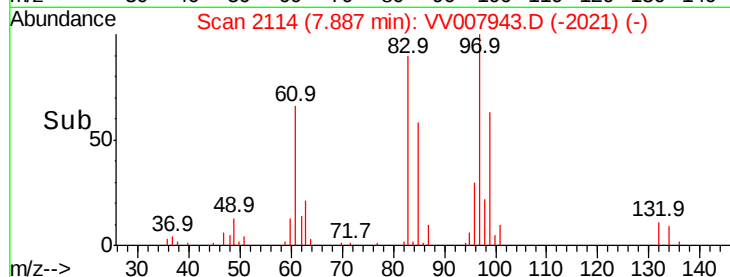
Abundance

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: 5.353 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Tgt Ion: 164 Resp: 37098

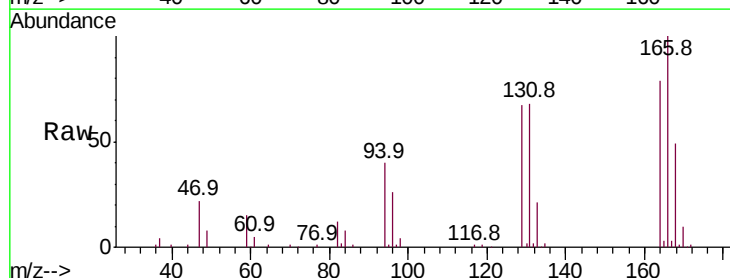
Ion Ratio Lower Upper

164 100

129 85.0 59.2 110.0

131 85.9 57.1 106.1

166 126.6 88.6 164.6



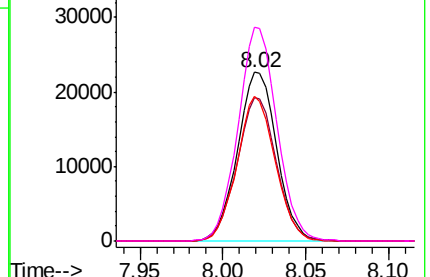
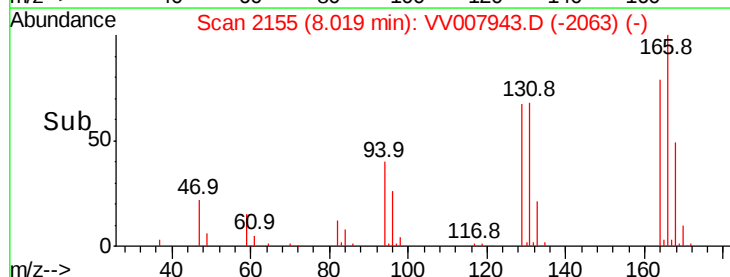
Abundance

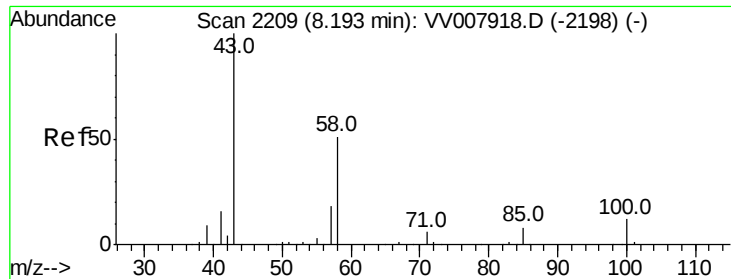
Ion 163.90 (163.60 to 164.60): V

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

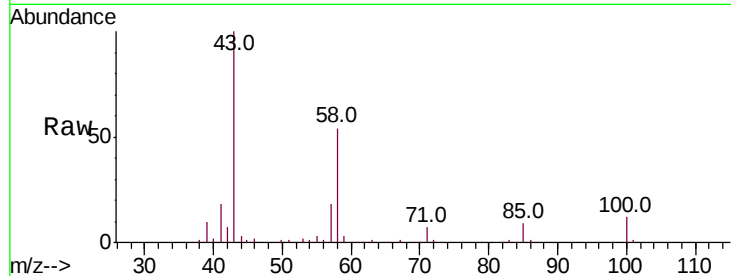




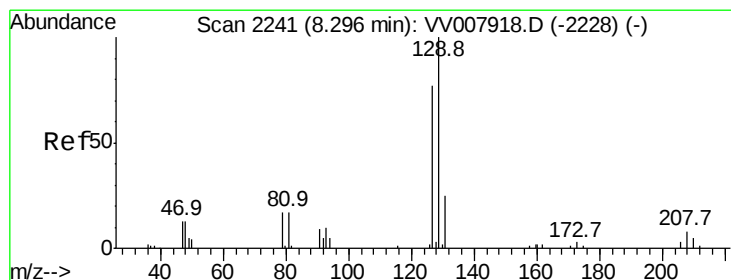
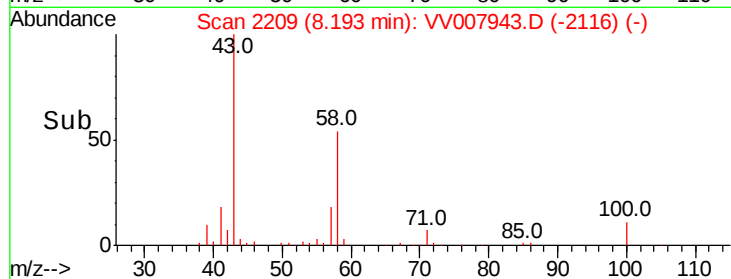
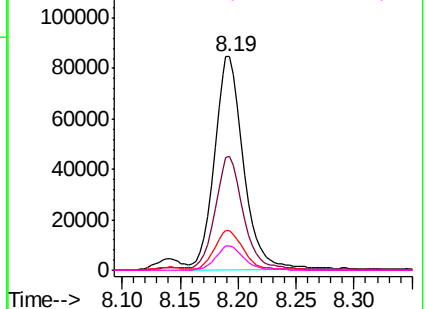
#48
2-Hexanone
Concen: 50.529 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tot Ion: 43 Resp: 147172
Ion Ratio Lower Upper
43 100
58 52.7 41.9 62.9
57 18.8 14.3 21.5
100 11.4 9.2 13.8

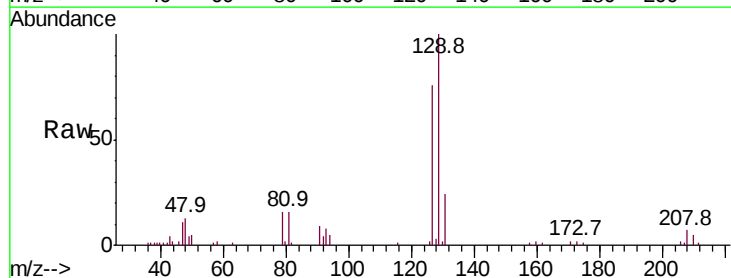


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

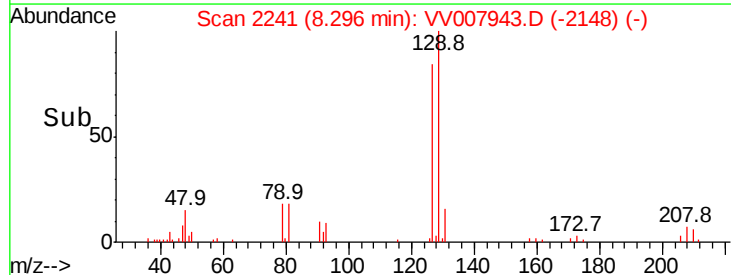
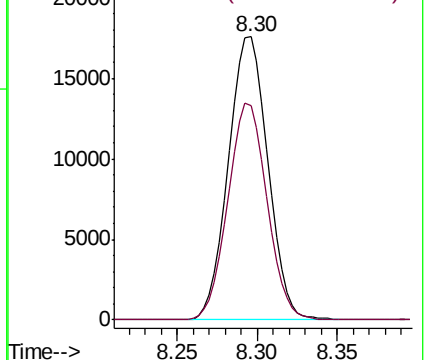


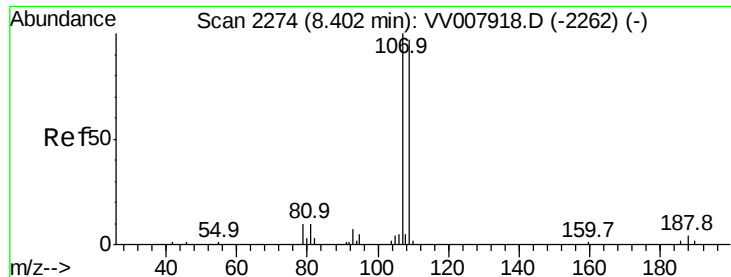
#49
Dibromochloromethane
Concen: 5.373 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Tgt Ion: 129 Resp: 29533
Ion Ratio Lower Upper
129 100
127 75.8 53.1 98.5



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

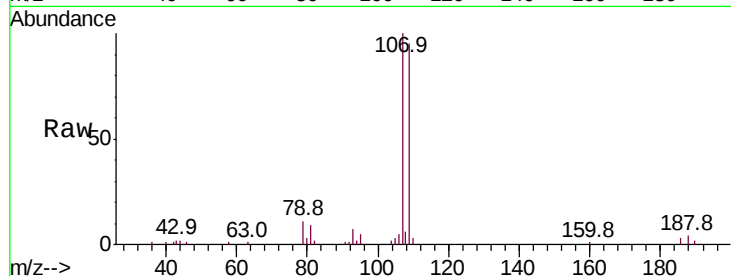




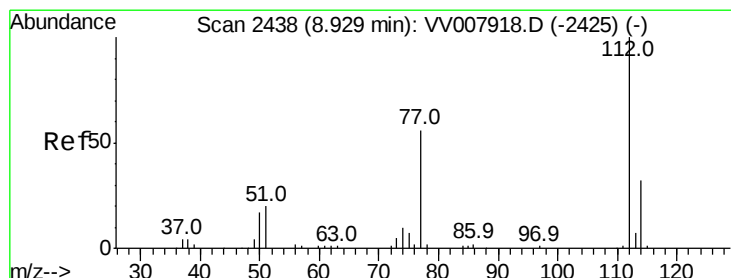
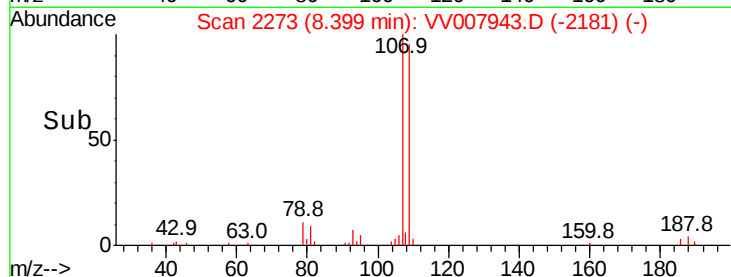
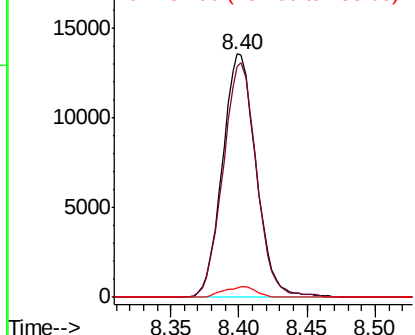
#50
1,2-Dibromoethane
Concen: 5.278 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tot Ion:107 Resp: 23232
Ion Ratio Lower Upper
107 100
109 95.1 64.9 120.5
188 3.9 4.0 6.0#

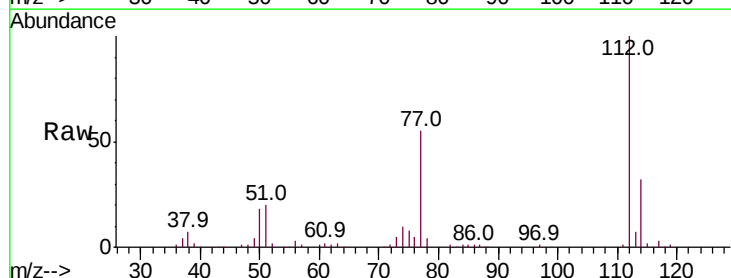


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

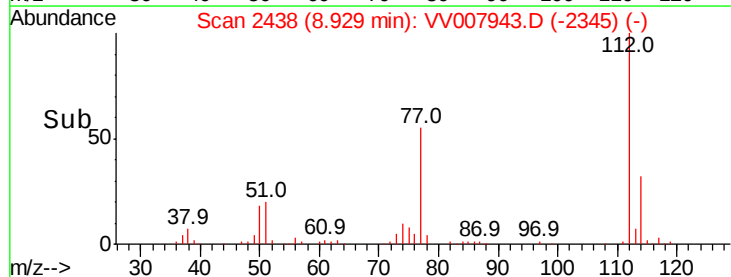
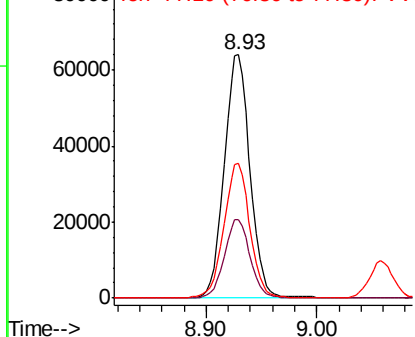


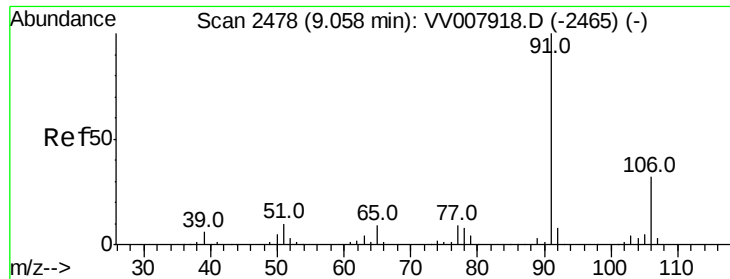
#51
Chlorobenzene
Concen: 5.272 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Tgt Ion:112 Resp: 103565
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 55.1 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): VV0





#52

Ethylbenzene

Concen: 5.300 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

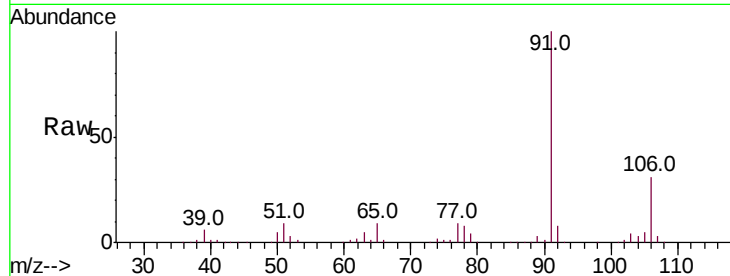
VSTD00580

Tot Ion: 91 Resp: 168151

Ion Ratio Lower Upper

91 100

106 31.3 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007918.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV007918.D (-2465) (-)

9.06

120000

100000

80000

60000

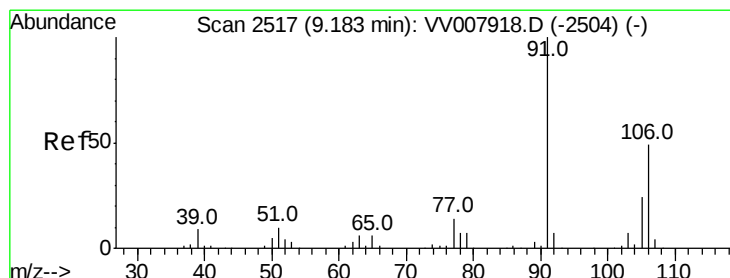
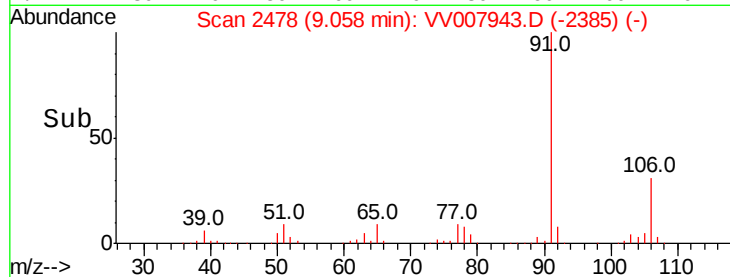
40000

20000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.416 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007943.D

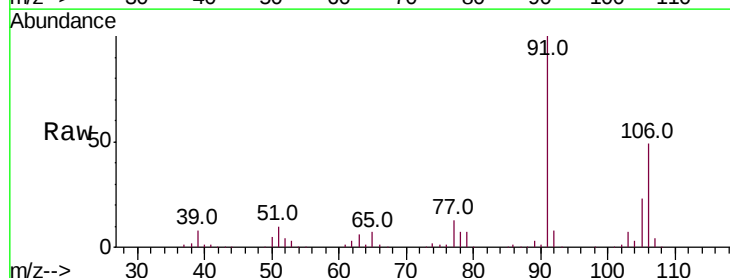
Acq: 28 Sep 2018 09:52

Tgt Ion: 106 Resp: 65434

Ion Ratio Lower Upper

106 100

91 205.8 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007918.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV007918.D (-2504) (-)

9.18

100000

80000

60000

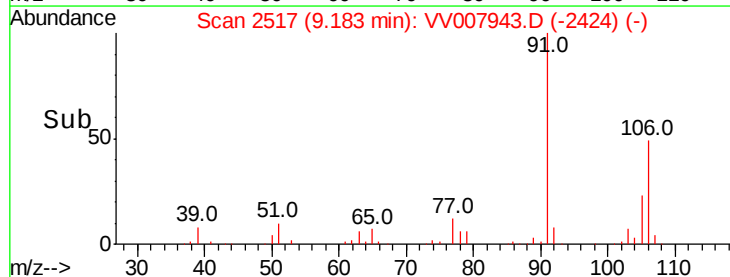
40000

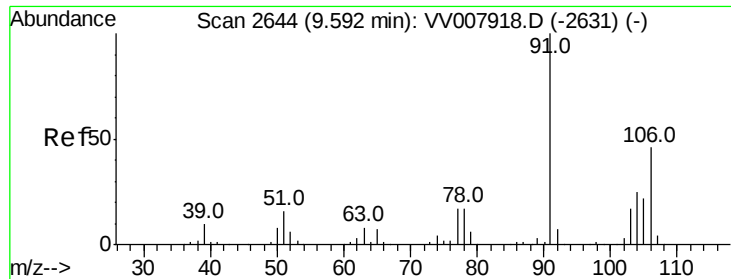
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->

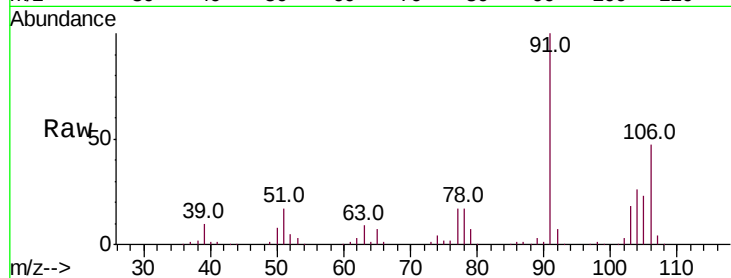




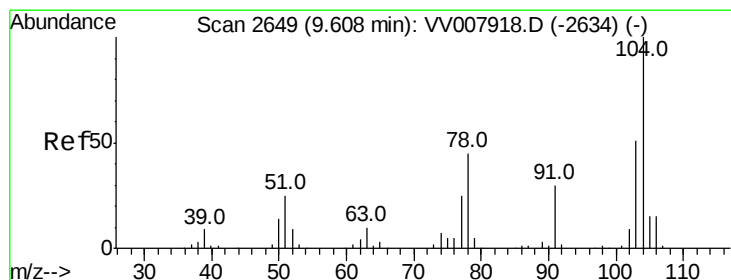
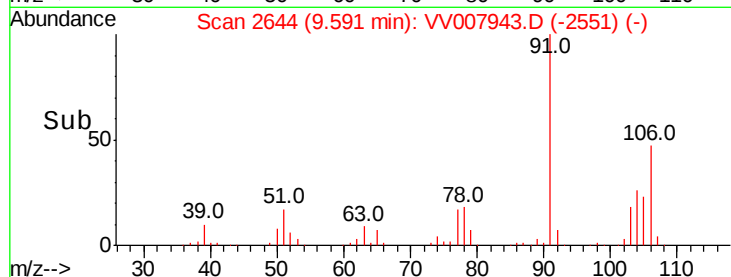
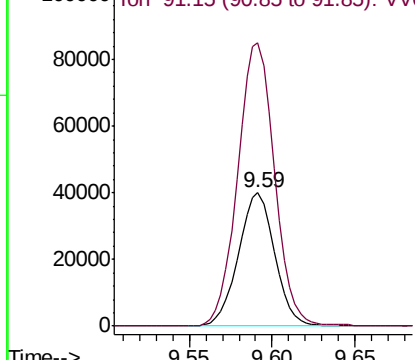
#54
o-xylene
Concen: 5.240 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tot Ion:106 Resp: 61148
Ion Ratio Lower Upper
106 100
91 212.7 150.1 278.9

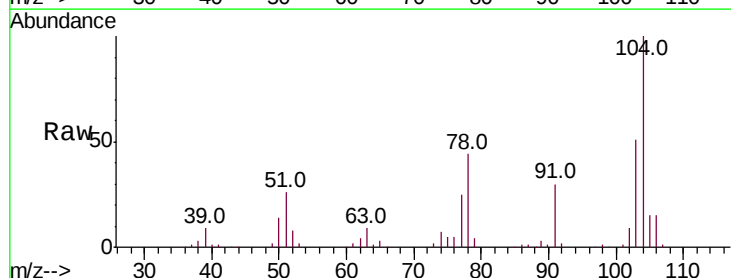


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

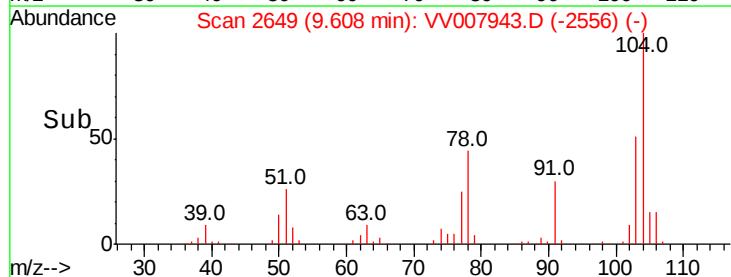
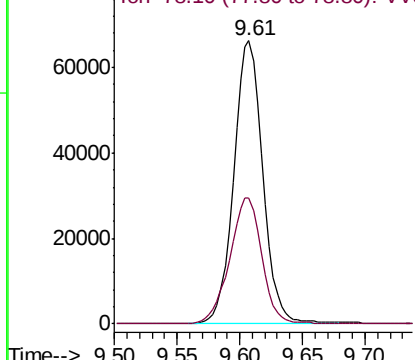


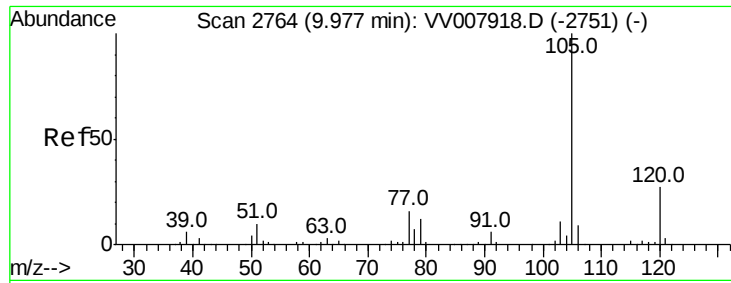
#55
Styrene
Concen: 5.343 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007943.D
Acq: 28 Sep 2018 09:52

Tgt Ion:104 Resp: 106492
Ion Ratio Lower Upper
104 100
78 44.4 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: 5.402 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

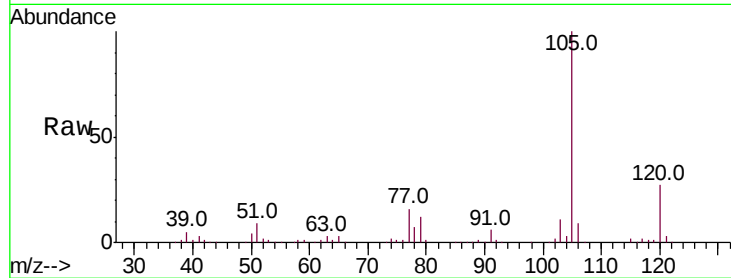
Tot Ion:105 Resp: 170742

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

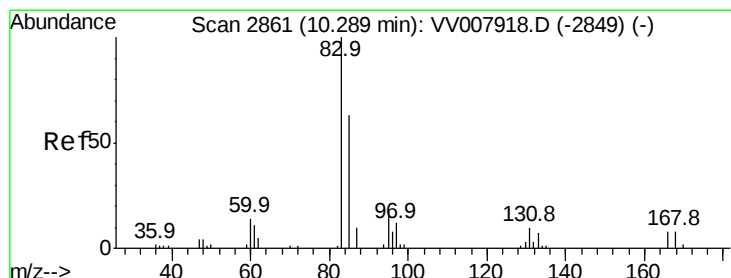
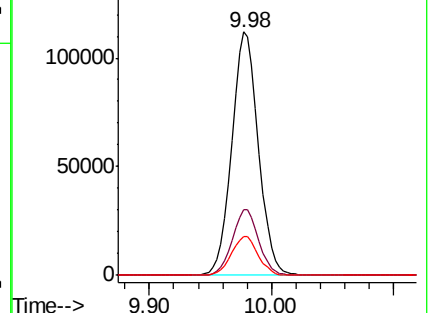
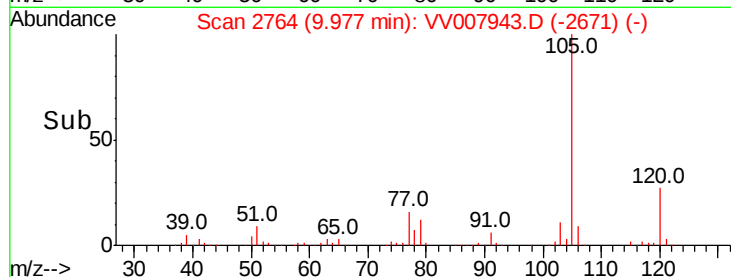
77 16.1 12.7 19.1



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: 5.079 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

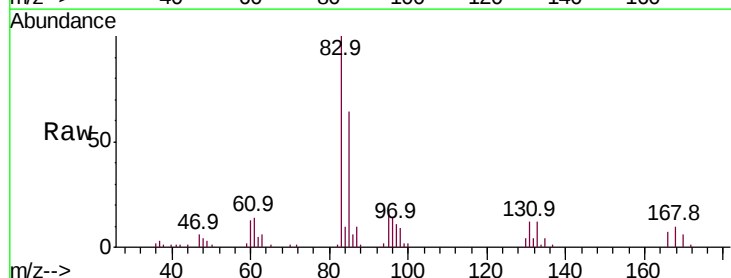
Tgt Ion: 83 Resp: 28723

Ion Ratio Lower Upper

83 100

85 63.9 43.7 81.1

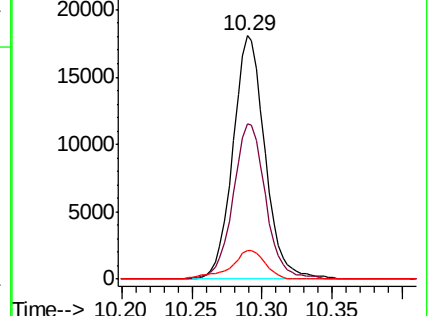
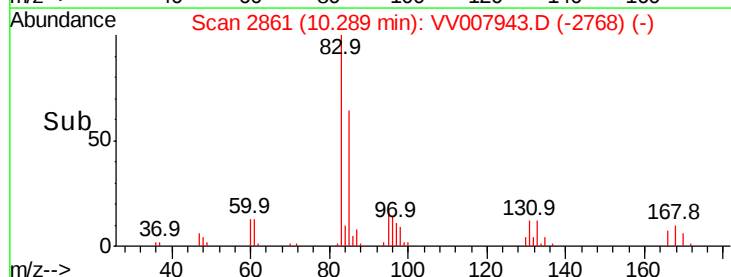
131 11.8 9.0 13.4

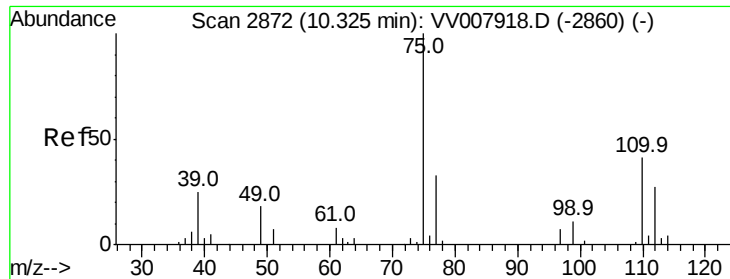


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.105 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

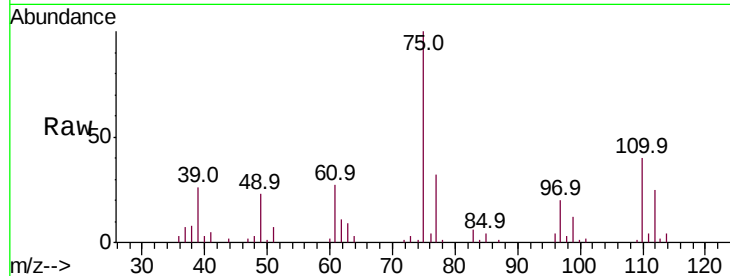
VSTD00580

Tot Ion: 75 Resp: 21191

Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV007918.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007918.D (-2860) (-)

10.32

15000

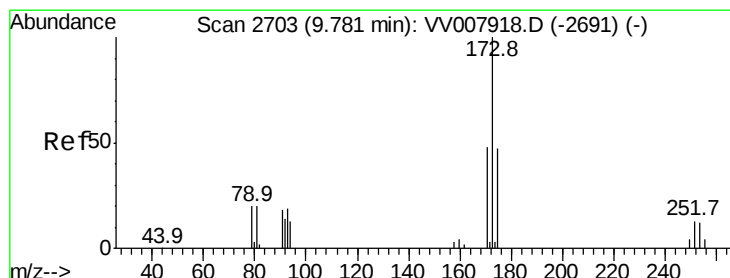
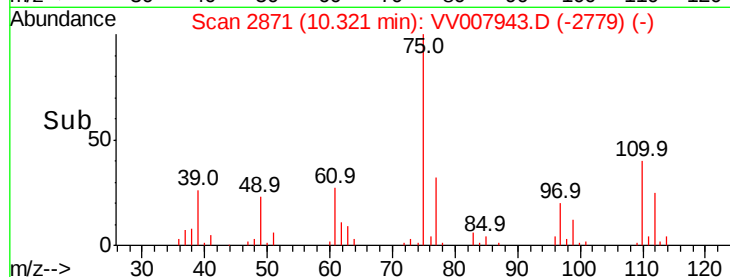
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 5.445 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

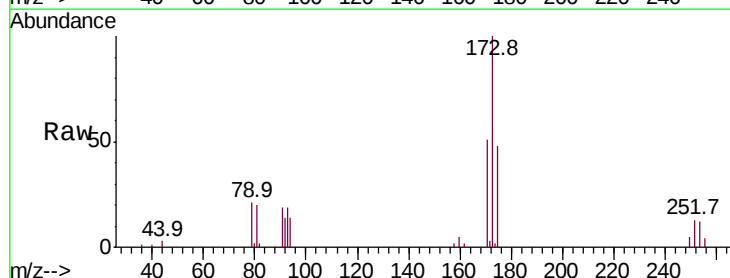
Tgt Ion:173 Resp: 15895

Ion Ratio Lower Upper

173 100

175 48.3 41.0 61.6

254 12.0 9.6 14.4



Abundance Ion 172.90 (172.60 to 173.60): VV007918.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007918.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007918.D (-2691) (-)

9.78

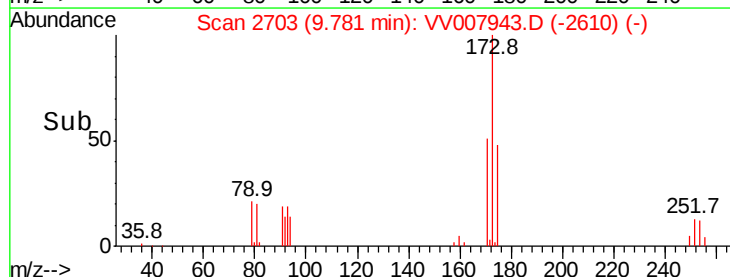
10000

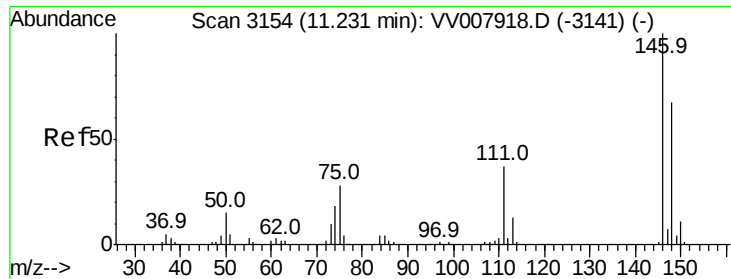
5000

0

Time-->

9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.375 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

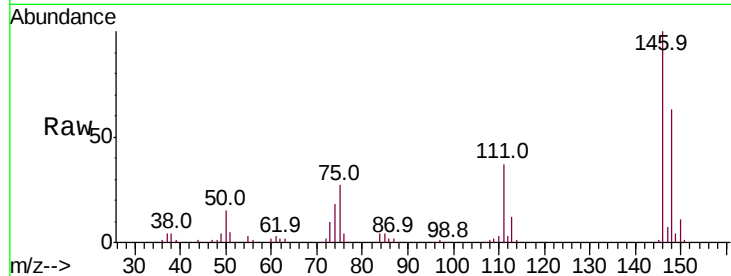
Tot Ion:146 Resp: 86255

Ion Ratio Lower Upper

146 100

111 37.2 25.8 48.0

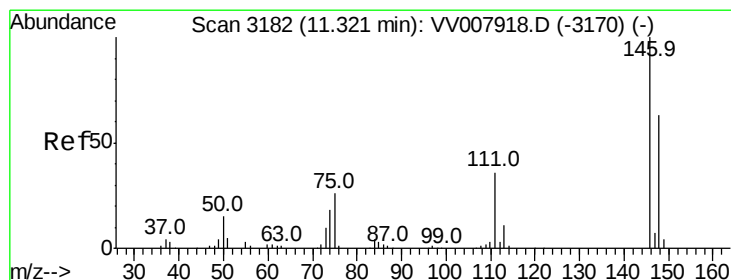
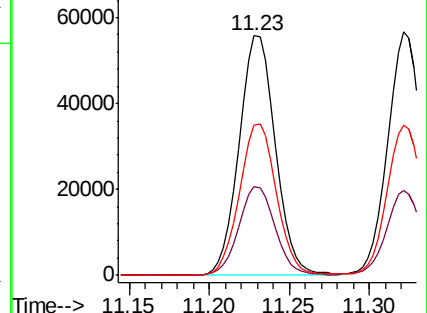
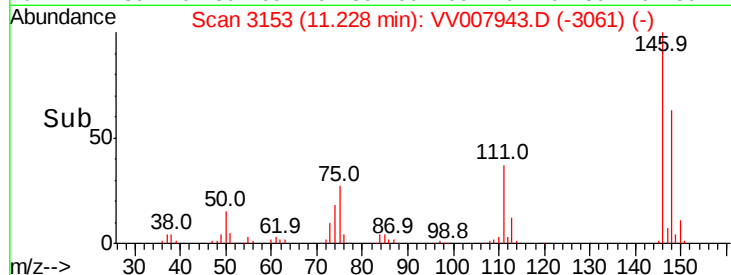
148 62.6 44.7 82.9



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: 5.247 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

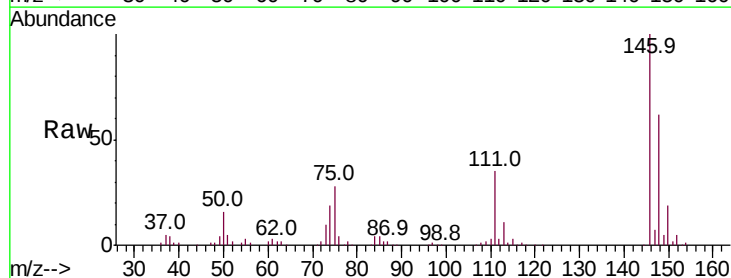
Tgt Ion:146 Resp: 87551

Ion Ratio Lower Upper

146 100

111 35.1 25.3 47.1

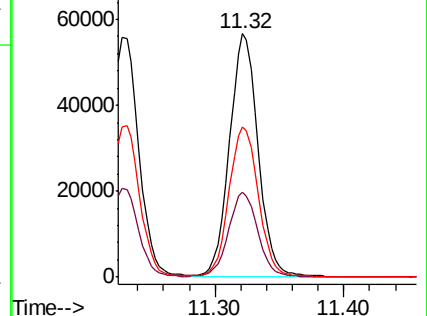
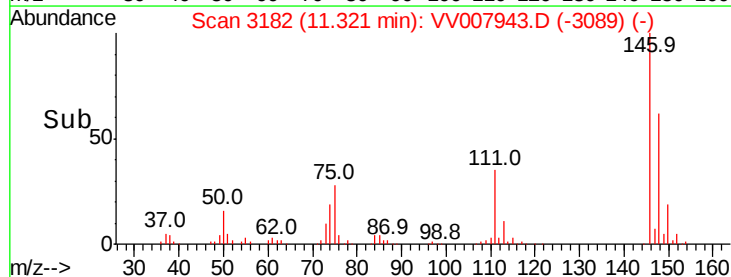
148 61.7 44.7 82.9

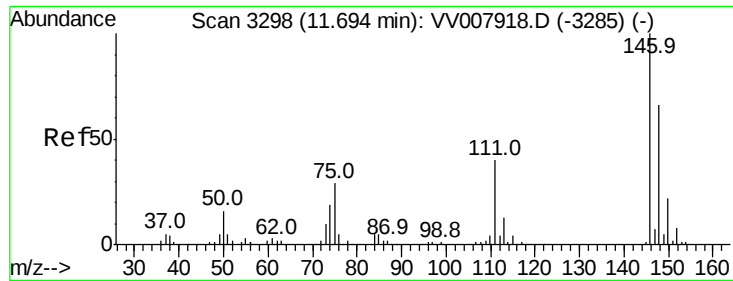


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

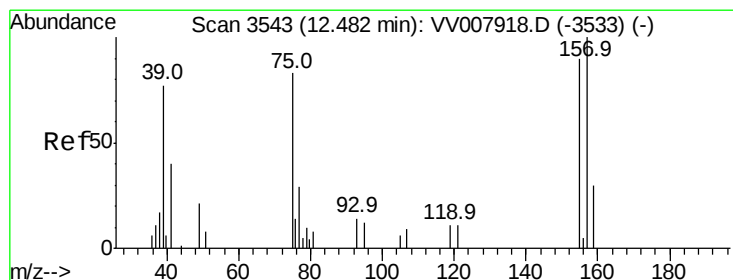
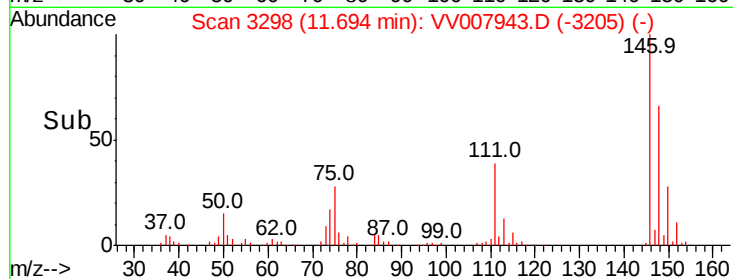
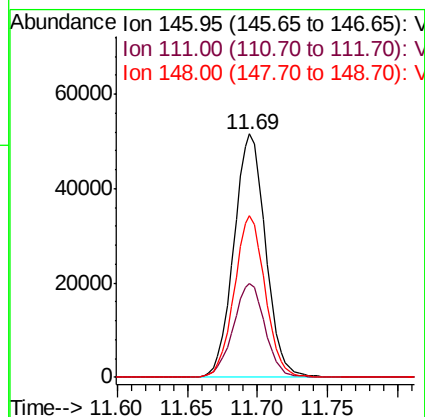
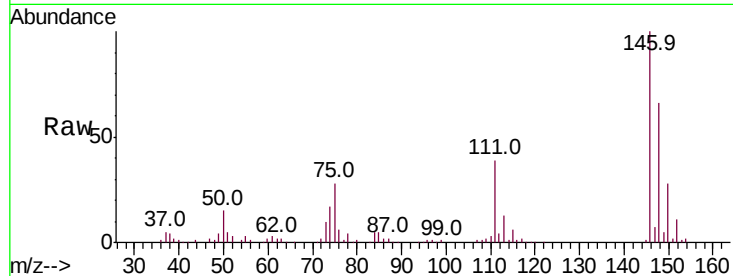




#65
 1,2-Dichlorobenzene
 Concen: 5.371 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

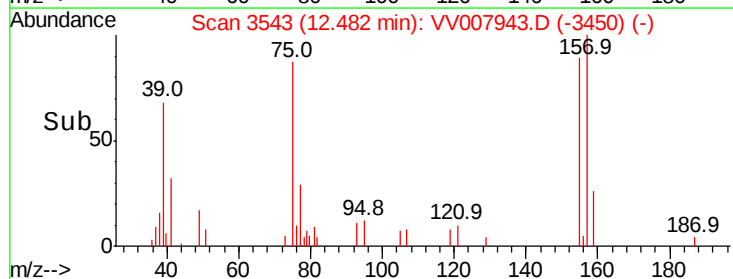
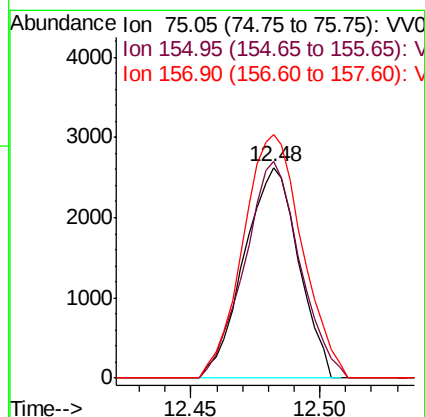
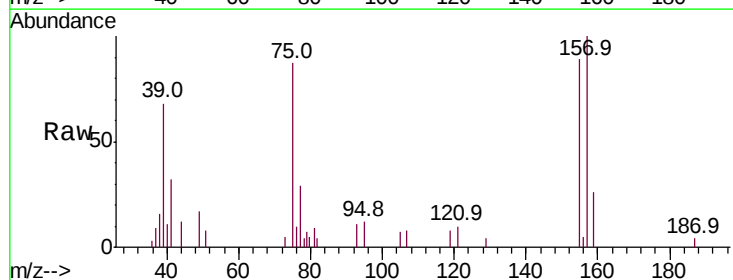
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

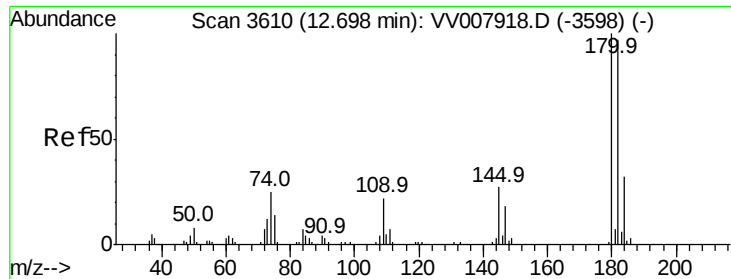
Tot Ion:146 Resp: 81251
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.2 46.8
 148 66.4 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.027 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Tgt Ion: 75 Resp: 3874
 Ion Ratio Lower Upper
 75 100
 155 102.6 83.4 125.2
 157 115.5 93.9 140.9

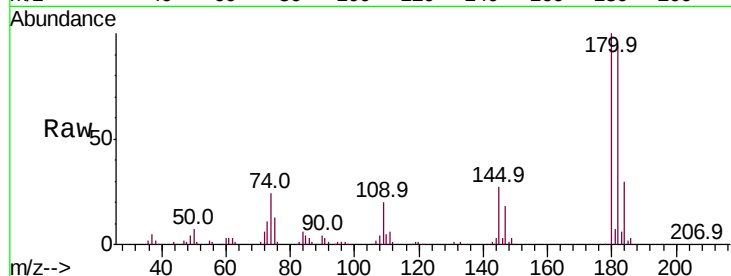




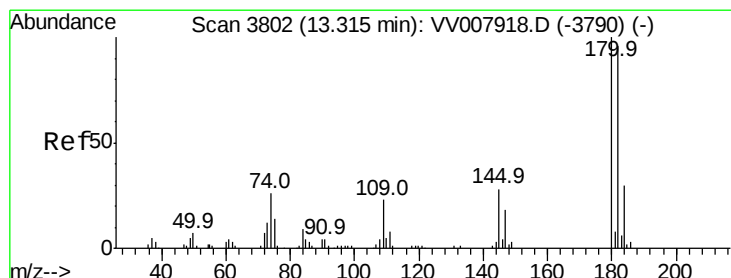
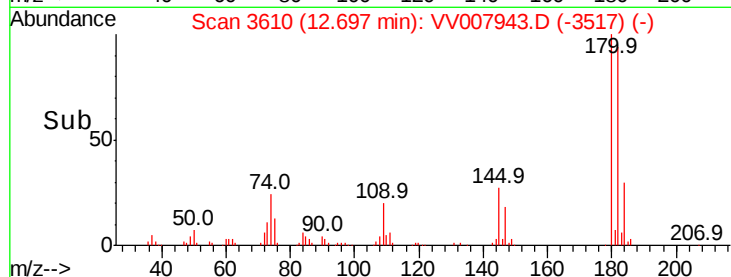
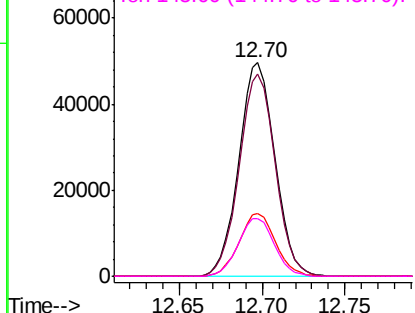
#67
 1,3,5-Trichlorobenzene
 Concen: 5.483 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tot Ion:	180	Resp:	75338
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.4
184	29.6	24.5	36.7
145	27.2	22.2	33.4

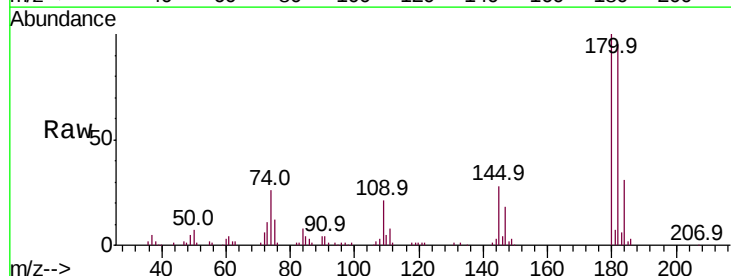


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

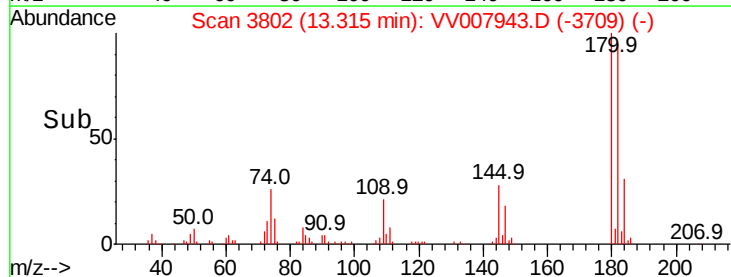
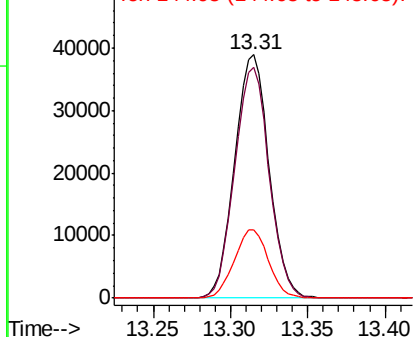


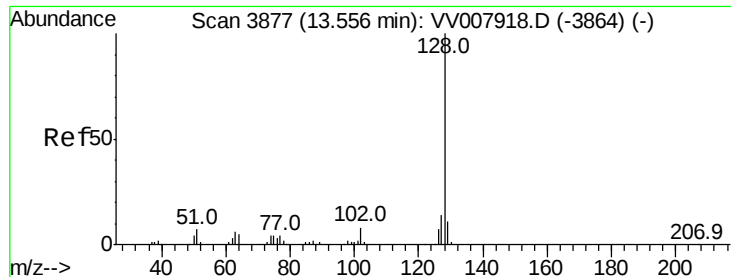
#68
 1,2,4-trichlorobenzene
 Concen: 5.176 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007943.D
 Acq: 28 Sep 2018 09:52

Tgt Ion:	180	Resp:	60109
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.4	116.2
145	27.8	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: 4.798 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Instrument :

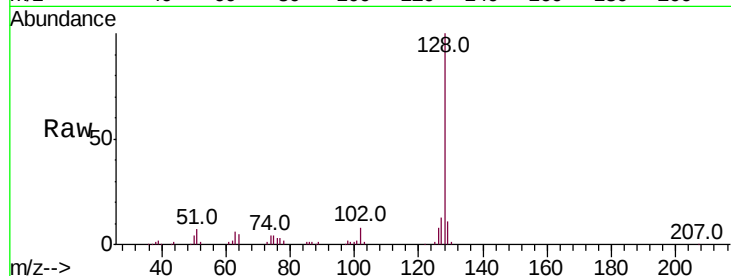
MSVOA_V

ClientSampleId :

VSTD00580

Tot Ion:128 Resp: 77947

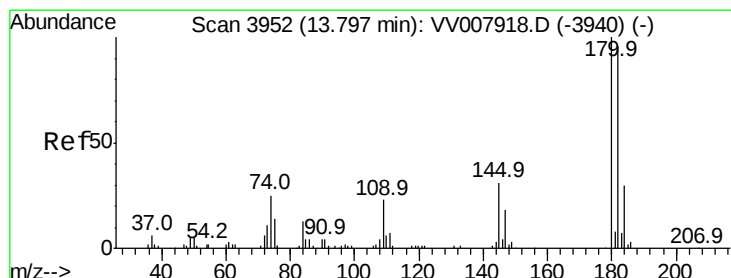
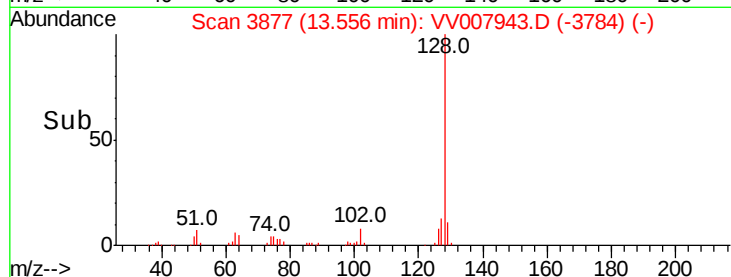
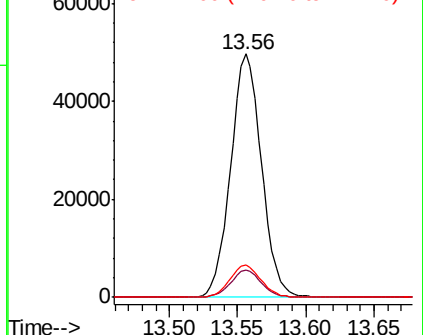
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.3	10.3	15.5



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: 5.198 ug/L

RT: 13.80 min Scan# 3952

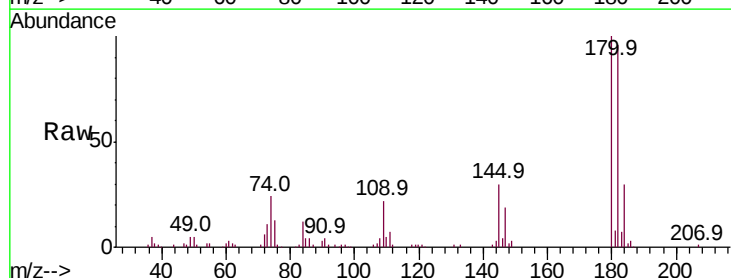
Delta R.T. -0.00 min

Lab File: VV007943.D

Acq: 28 Sep 2018 09:52

Tgt Ion:180 Resp: 54669

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
145	29.6	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

