

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007475.D
 Acq On : 12 Sep 2018 13:36
 Operator : SY/MD
 Sample : VSTD02068
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

Quant Time: Sep 13 01:55:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 01:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	134825	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	121140	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66389	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140727	19.51	ug/L	0.00
7) Chloroethane-d5	1.58	69	119274	19.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	284171	19.56	ug/L	0.00
20) 2-Butanone-d5	3.96	46	325380	209.44	ug/L	0.00
24) Chloroform-d	4.41	84	287374	20.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	149544	20.07	ug/L	0.00
32) Benzene-d6	5.10	84	553347	20.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	163526	19.83	ug/L	0.00
41) Toluene-d8	7.36	98	568236	20.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	77286	18.96	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	239811	247.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	128717	20.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	222640	19.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	163203	20.762	ug/L 97
3) Chloromethane	1.25	50	132965	19.315	ug/L 100
5) Vinyl chloride	1.32	62	150313	18.982	ug/L 98
6) Bromomethane	1.53	94	109158	20.791	ug/L 100
8) Chloroethane	1.60	64	91787	19.502	ug/L 98
9) Trichlorofluoromethane	1.77	101	269975	19.561	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	148695	18.852	ug/L 98
12) 1,1-Dichloroethene	2.14	96	134423	19.323	ug/L 94
13) Acetone	2.20	43	181366	199.976	ug/L 96
14) Carbon disulfide	2.32	76	417462	19.607	ug/L 99
15) Methyl Acetate	2.47	43	46511	18.548	ug/L 96
16) Methylene chloride	2.54	84	131140	17.640	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	339890	19.324	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	144720	19.456	ug/L 98
19) 1,1-Dichloroethane	3.23	63	230215	18.954	ug/L 95
21) 2-Butanone	4.05	43	312968	212.317	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	149493	20.459	ug/L # 99
23) Bromochloromethane	4.30	128	67705	19.361	ug/L 97
25) Chloroform	4.43	83	256962	20.512	ug/L 99
27) 1,2-Dichloroethane	5.19	62	161336	20.587	ug/L 95
29) 1,1,1-Trichloroethane	4.66	97	246591	19.748	ug/L 99
30) Cyclohexane	4.72	56	214262	19.362	ug/L 97
31) Carbon tetrachloride	4.87	117	233061	20.227	ug/L 100
33) Benzene	5.15	78	532717	20.160	ug/L 100
34) Trichloroethene	5.96	95	155959	19.572	ug/L 94
35) Methylcyclohexane	6.18	83	251380	20.335	ug/L 99
37) 1,2-Dichloropropane	6.23	63	128179	19.154	ug/L 100
38) Bromodichloromethane	6.56	83	193759	20.461	ug/L 97
39) cis-1,3-Dichloropropene	7.08	75	219828	20.412	ug/L 99
40) 4-Methyl-2-pentanone	7.29	43	779706	204.590	ug/L 99

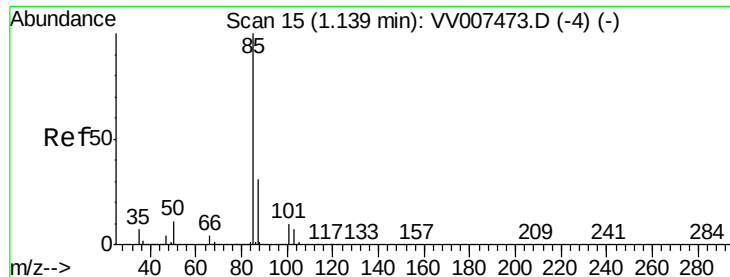
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
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Quant Time: Sep 13 01:55:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 01:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	604788	20.668	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	185709	20.543	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	99838	19.706	ug/L	96
47) Tetrachloroethene	8.02	164	138946	20.384	ug/L	99
48) 2-Hexanone	8.19	43	563647	203.181	ug/L	97
49) Dibromochloromethane	8.30	129	147582	21.053	ug/L	95
50) 1,2-Dibromoethane	8.40	107	100263	20.282	ug/L	97
51) Chlorobenzene	8.93	112	403826	20.314	ug/L	98
52) Ethylbenzene	9.06	91	690109	20.692	ug/L	99
53) m,p-xylene	9.19	106	270309	20.836	ug/L	99
54) o-xylene	9.59	106	262080	20.694	ug/L	99
55) Styrene	9.61	104	443914	21.392	ug/L	98
56) Isopropylbenzene	9.98	105	712936	20.902	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	112768	20.299	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	86252	20.242	ug/L	99
61) Bromoform	9.78	173	94197	20.430	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	339982	20.094	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	339504	20.147	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	316883	19.942	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23365	19.776	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	273374	21.072	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	231687	23.540	ug/L	100
69) Naphthalene	13.56	128	371965	24.291	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	208203	22.552	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 20.762 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

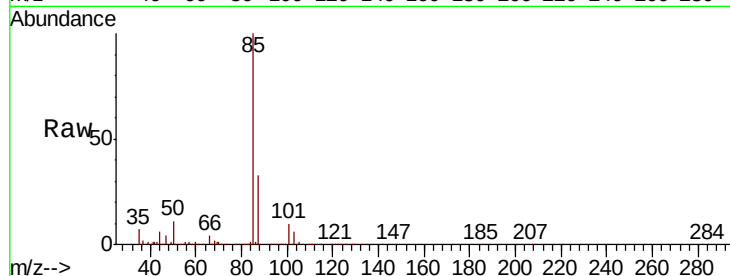
VSTD02068

Tot Ion: 85 Resp: 163203

Ion Ratio Lower Upper

85 100

87 32.9 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV007475.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV007475.D (-4) (-)

1.14

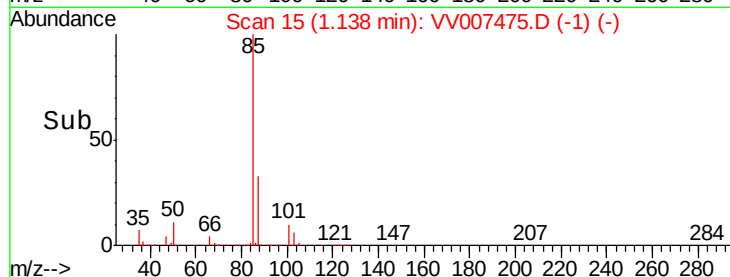
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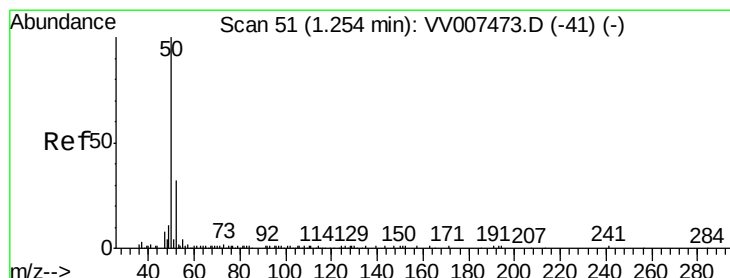
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 19.315 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007475.D

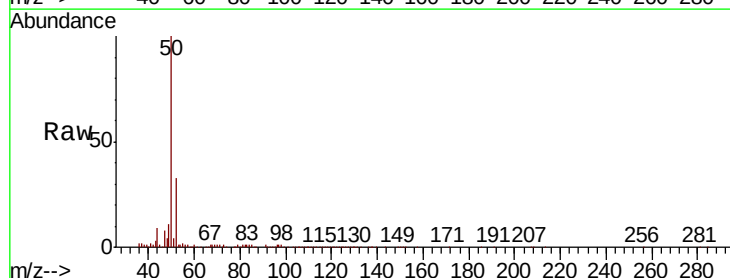
Acq: 12 Sep 2018 13:36

Tgt Ion: 50 Resp: 132965

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV007475.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV007475.D (-41) (-)

1.25

100000

80000

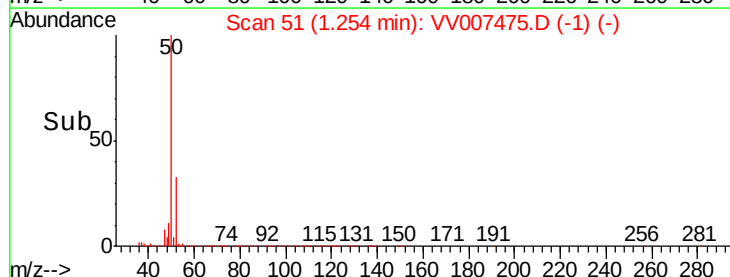
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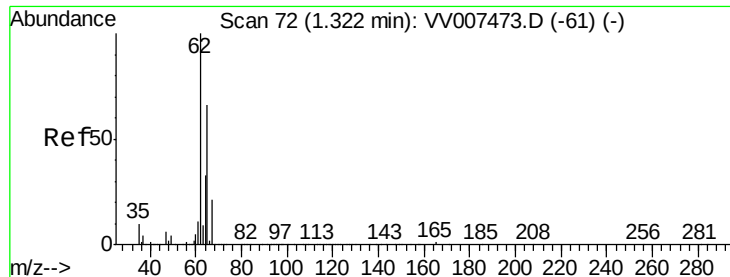
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 18.982 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

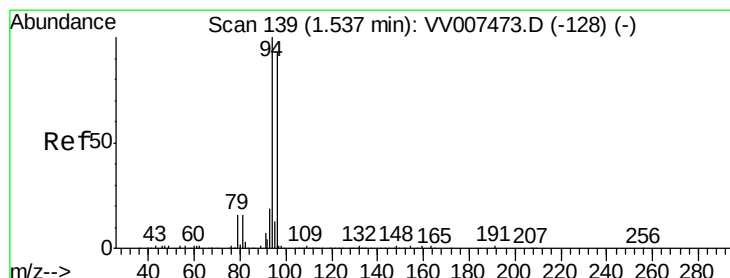
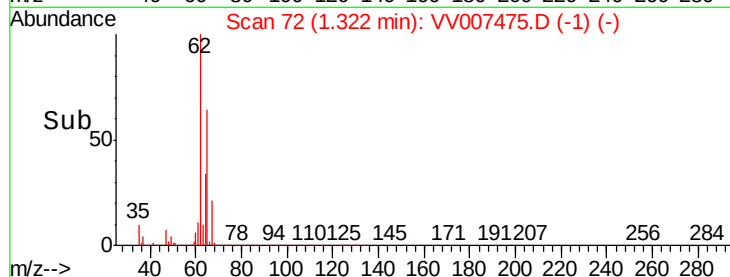
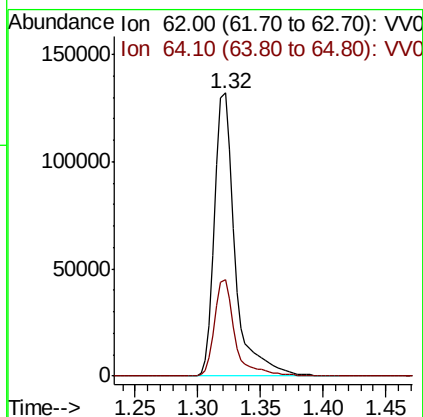
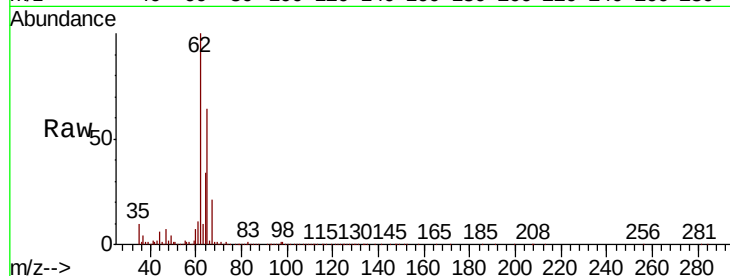
VSTD02068

Tot Ion: 62 Resp: 150313

Ion Ratio Lower Upper

62 100

64 34.0 23.1 42.9



#6

Bromomethane

Concen: 20.791 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV007475.D

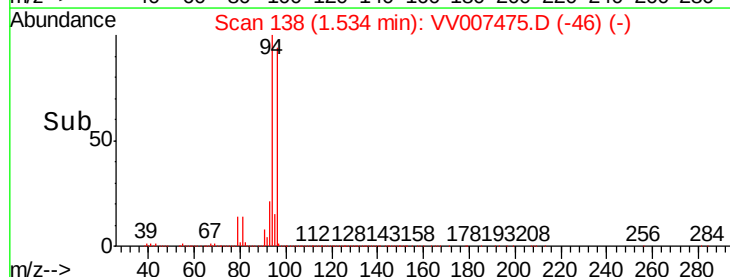
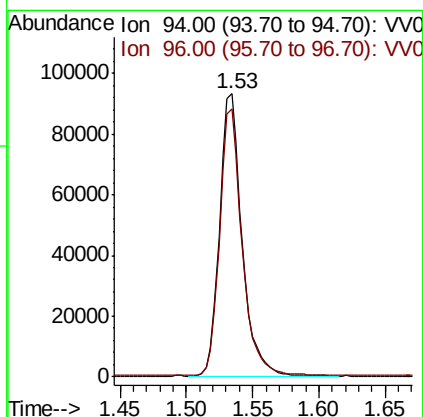
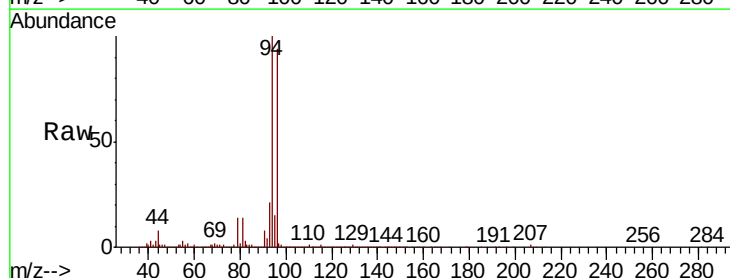
Acq: 12 Sep 2018 13:36

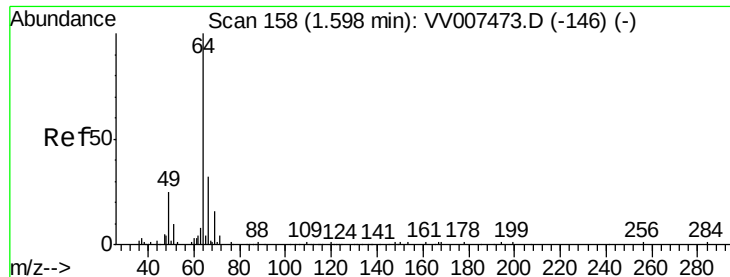
Tgt Ion: 94 Resp: 109158

Ion Ratio Lower Upper

94 100

96 94.5 66.3 123.1





#8

Chloroethane

Concen: 19.502 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

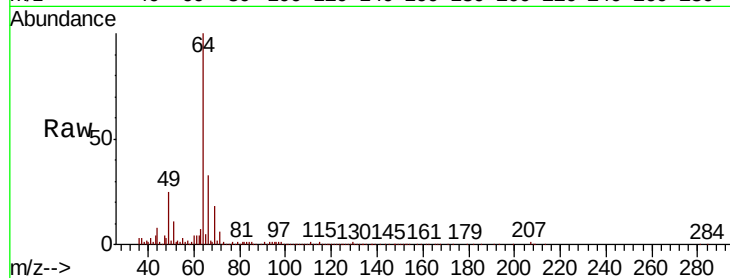
VSTD02068

Tot Ion: 64 Resp: 91787

Ion Ratio Lower Upper

64 100

66 32.7 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VV007473.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV007473.D (-146) (-)

1.60

80000

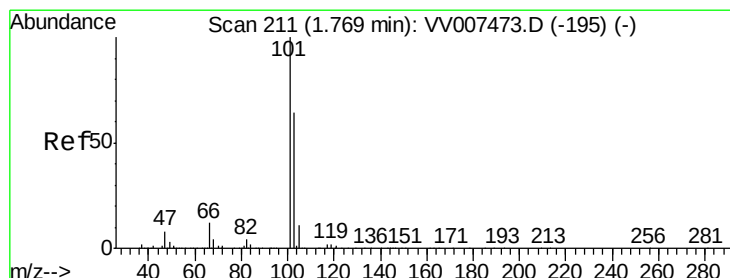
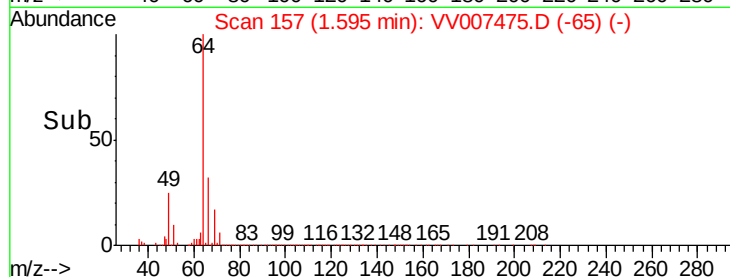
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 19.561 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV007475.D

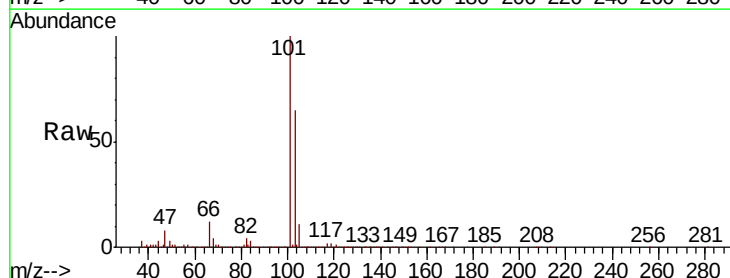
Acq: 12 Sep 2018 13:36

Tgt Ion: 101 Resp: 269975

Ion Ratio Lower Upper

101 100

103 65.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007473.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV007473.D (-195) (-)

1.77

250000

200000

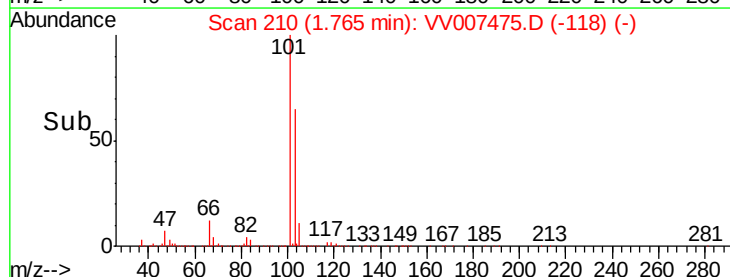
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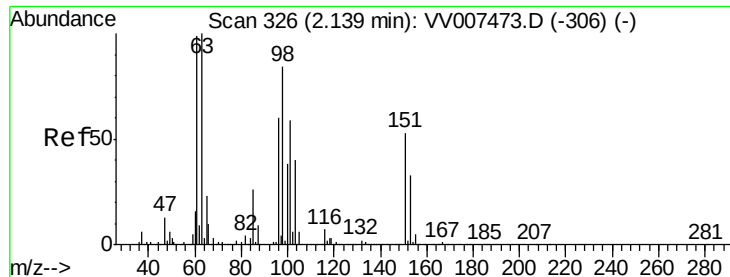
100000

50000

0

Time-->





#10

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

Concen: 18.852 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

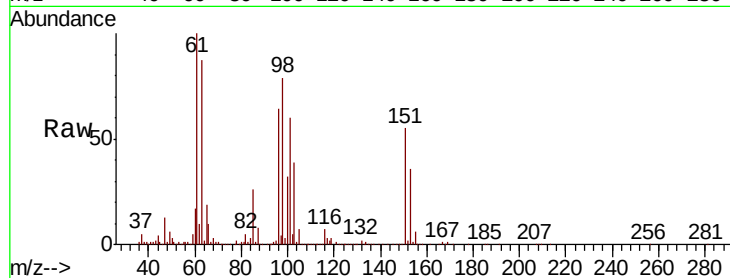
Tot Ion:101 Resp: 148695

Ion Ratio Lower Upper

101 100

85 41.6 34.5 51.7

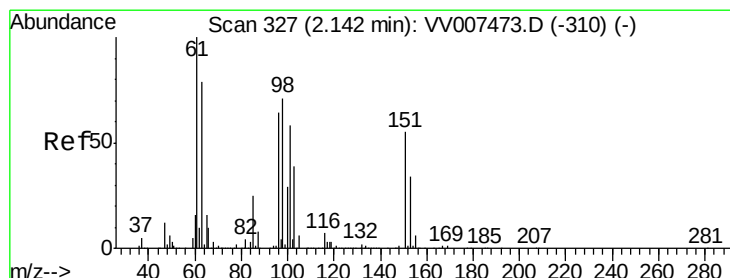
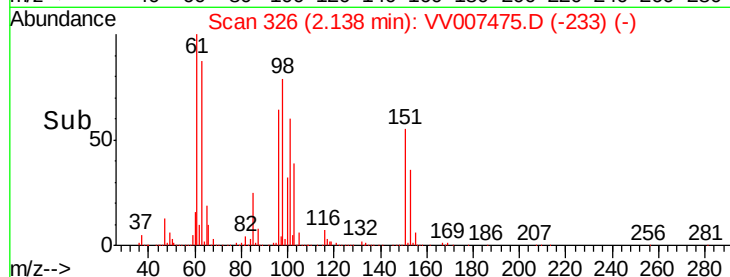
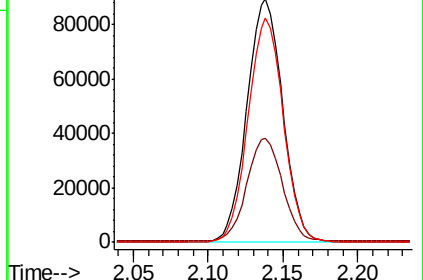
151 91.0 71.4 107.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.323 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

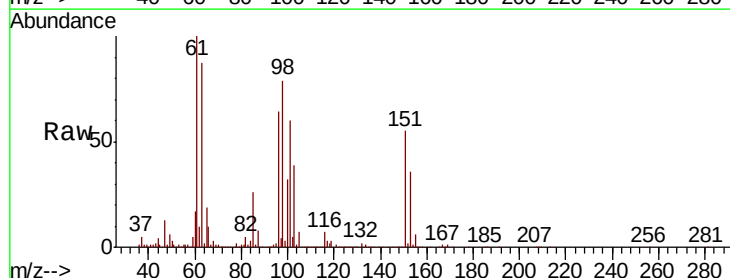
Tgt Ion: 96 Resp: 134423

Ion Ratio Lower Upper

96 100

61 156.7 108.0 200.6

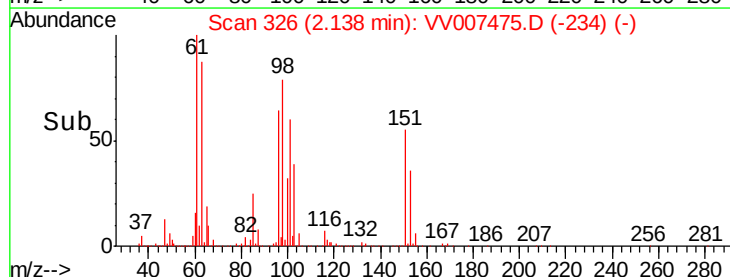
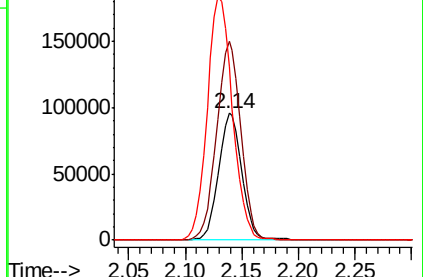
63 136.1 85.7 159.1

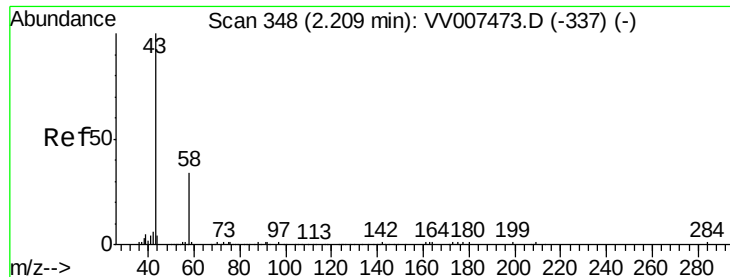


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 199.976 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

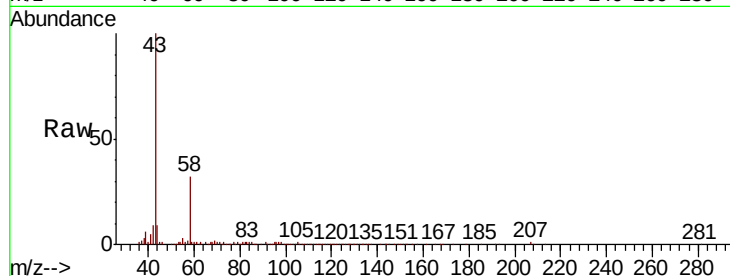
VSTD02068

Tot Ion: 43 Resp: 181366

Ion Ratio Lower Upper

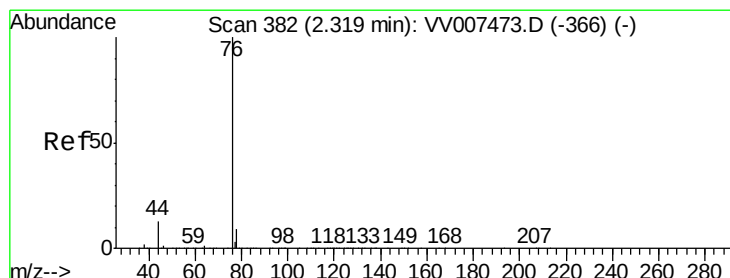
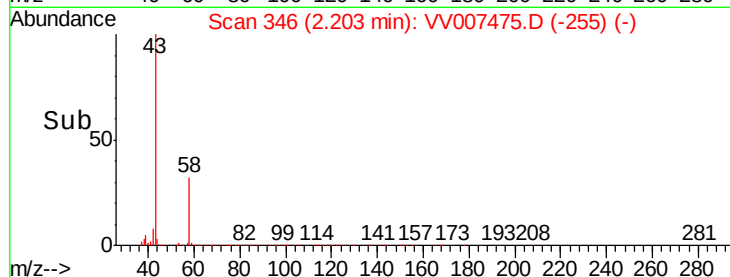
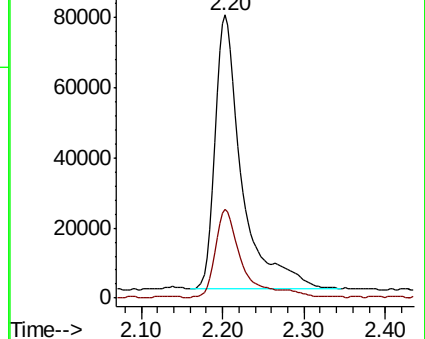
43 100

58 30.3 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VV007473.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV007473.D (-337) (-)



#14

Carbon disulfide

Concen: 19.607 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV007475.D

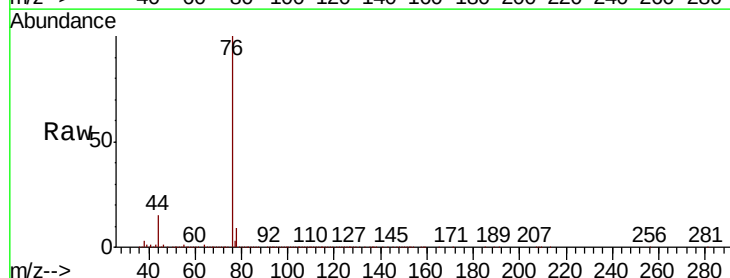
Acq: 12 Sep 2018 13:36

Tgt Ion: 76 Resp: 417462

Ion Ratio Lower Upper

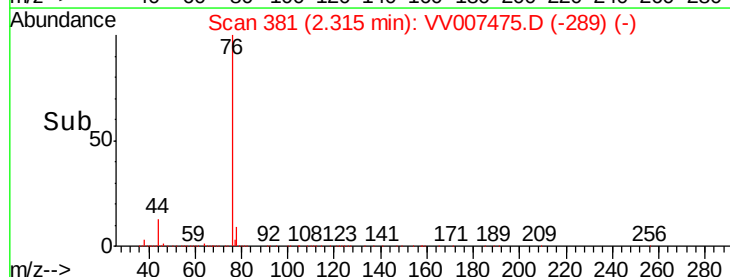
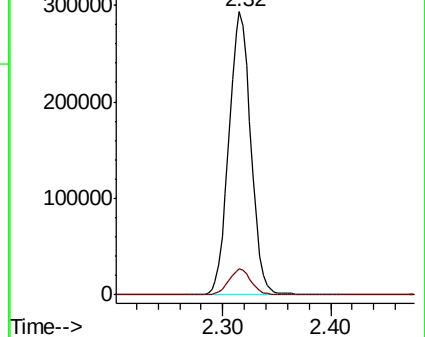
76 100

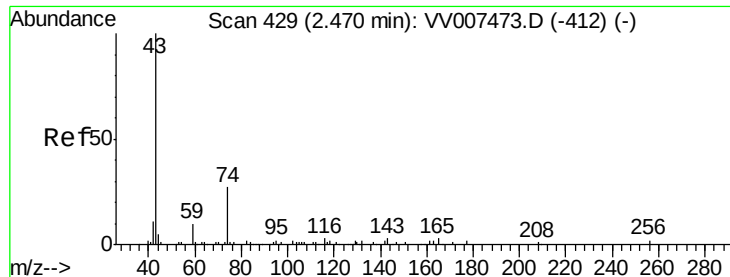
78 9.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007473.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV007473.D (-366) (-)

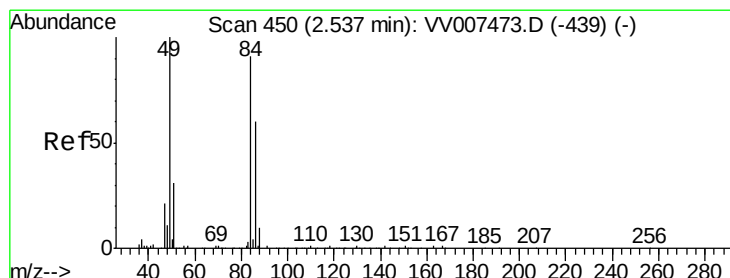
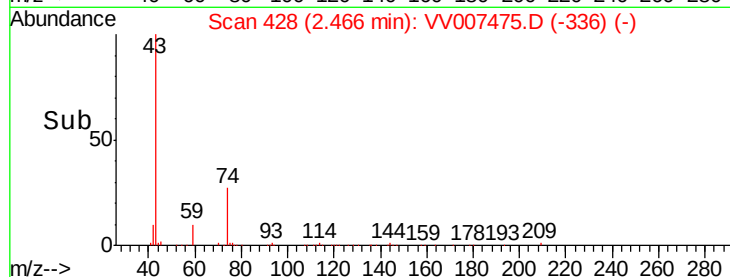
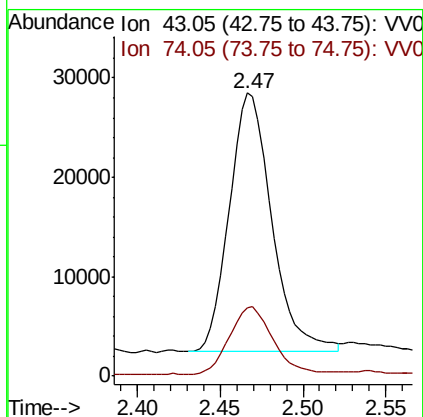
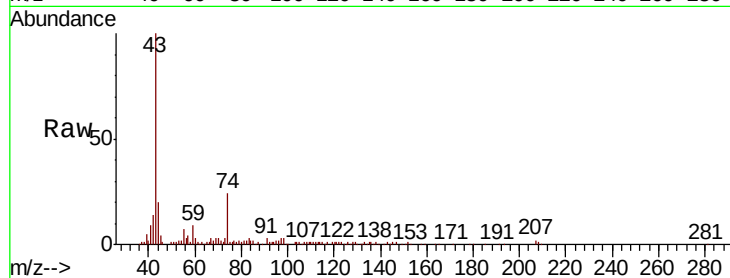




#15
Methvl Acetate
Concen: 18.548 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

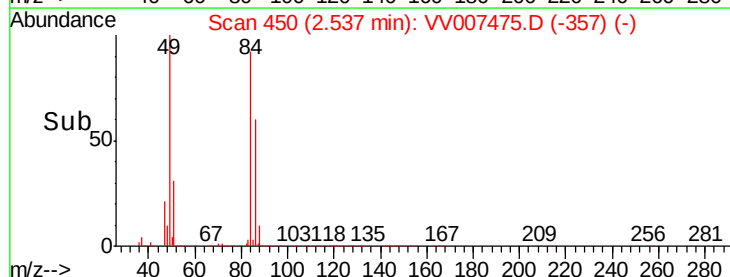
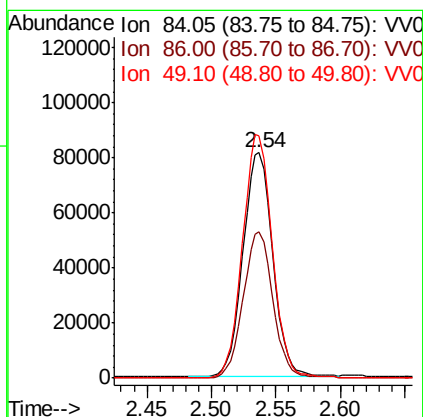
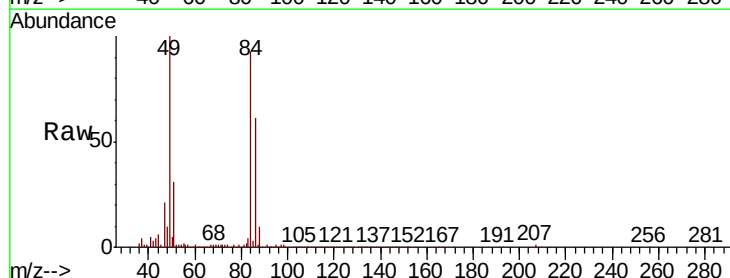
Instrument :
MSVOA_V
ClientSampleId :
VSTD02068

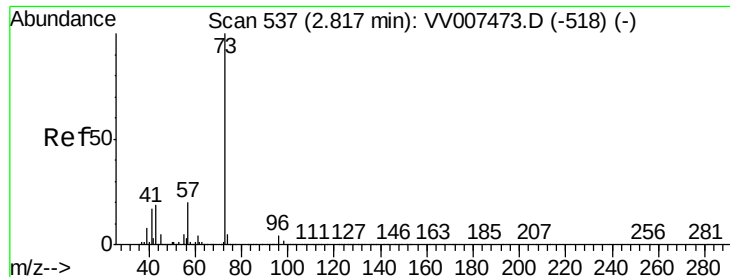
Tot Ion: 43 Resp: 46511
Ion Ratio Lower Upper
43 100
74 27.0 20.0 30.0



#16
Methylene chloride
Concen: 17.640 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

Tgt Ion: 84 Resp: 131140
Ion Ratio Lower Upper
84 100
86 65.1 44.9 83.3
49 107.4 74.2 137.8

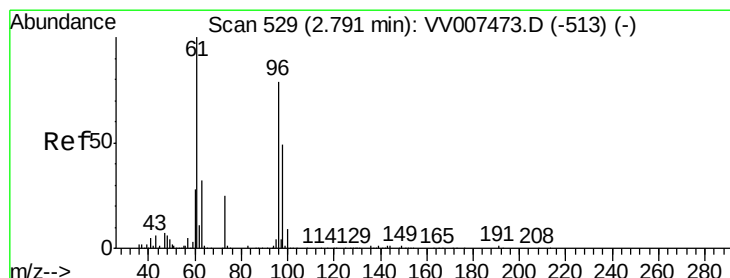
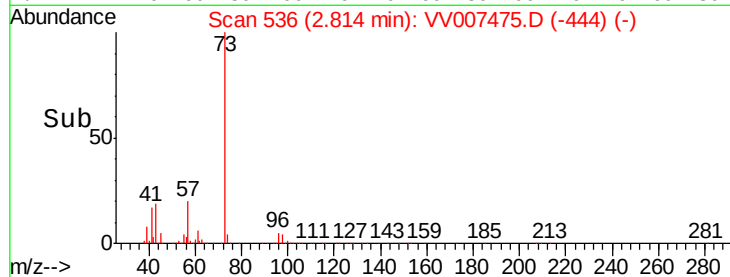
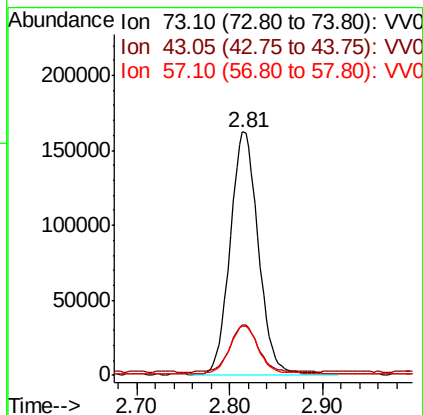
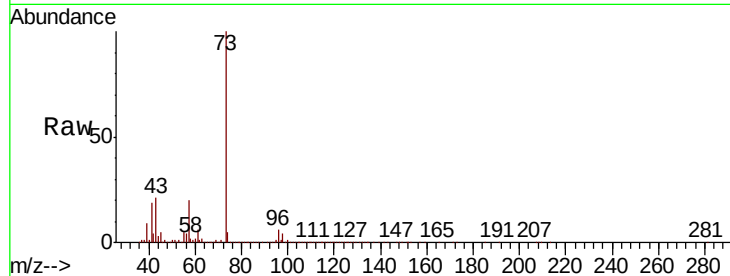




#17
Methyl tert-butyl Ether
Concen: 19.324 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

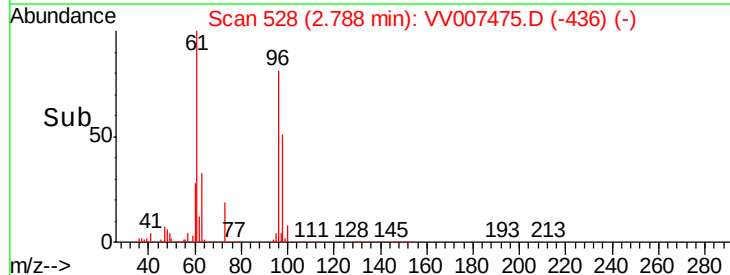
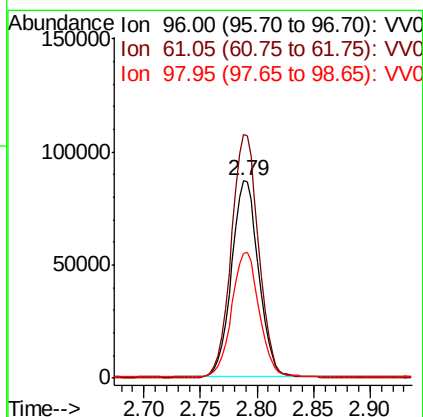
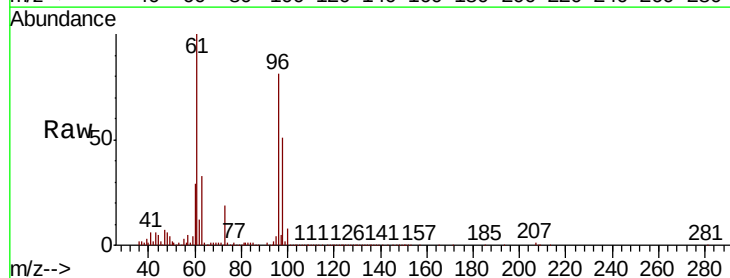
Instrument :
MSVOA_V
ClientSampleId :
VSTD02068

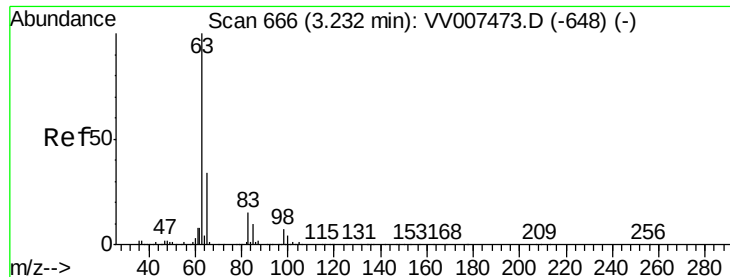
Tot Ion:	73	Resp:	339890
Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.3	22.9
57	19.8	16.5	24.7



#18
trans-1,2-Dichloroethene
Concen: 19.456 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

Tgt Ion:	96	Resp:	144720
Ion	Ratio	Lower	Upper
96	100		
61	123.4	87.6	162.6
98	63.4	45.7	84.9

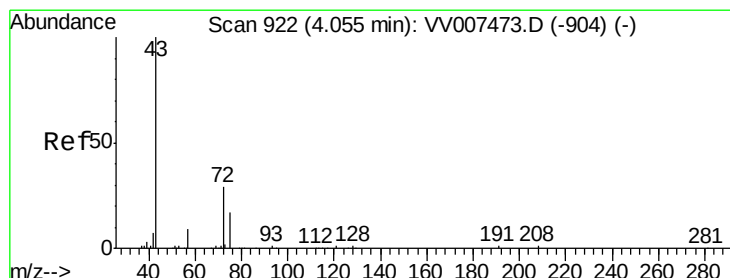
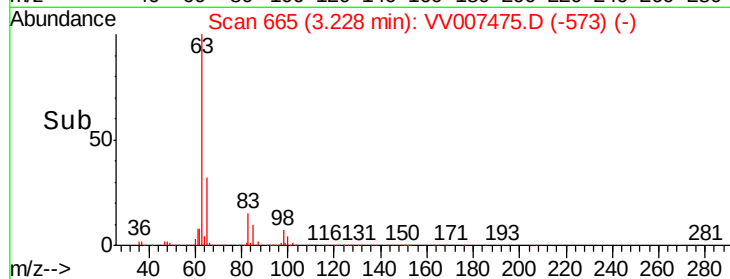
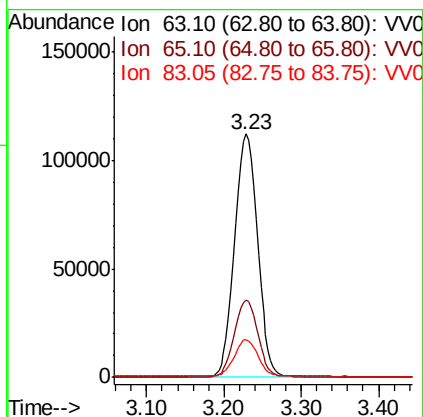
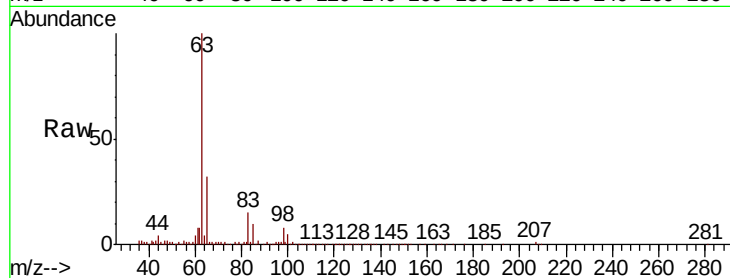




#19
 1,1-Dichloroethane
 Concen: 18.954 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

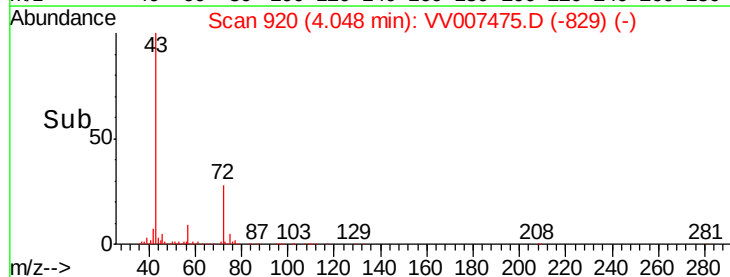
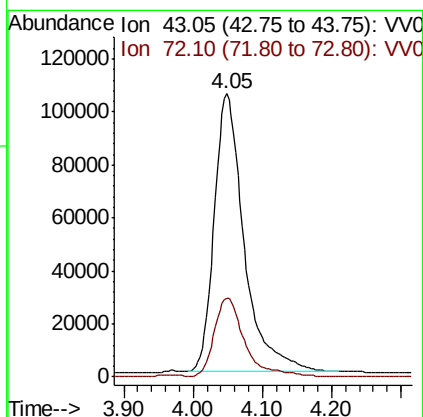
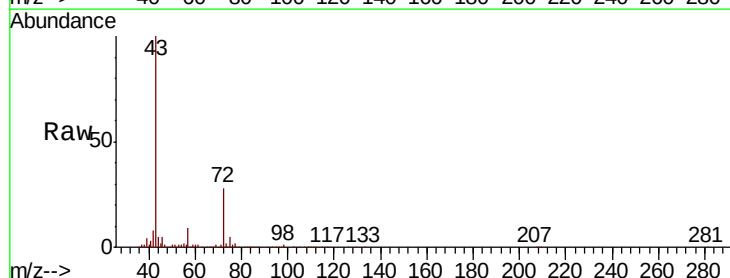
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

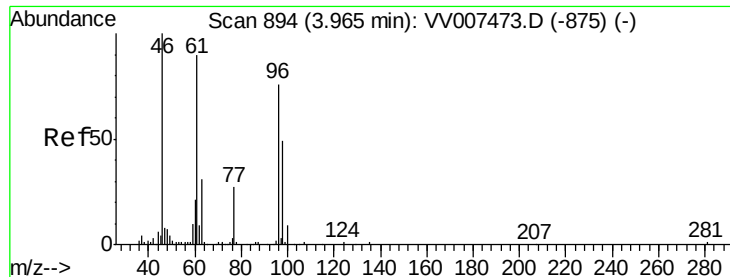
Tot Ion:	63	Resp:	230215
Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.0	44.6
83	15.4	12.5	23.1



#21
 2-Butanone
 Concen: 212.317 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion:	43	Resp:	312968
Ion	Ratio	Lower	Upper
43	100		
72	29.0	14.8	44.4



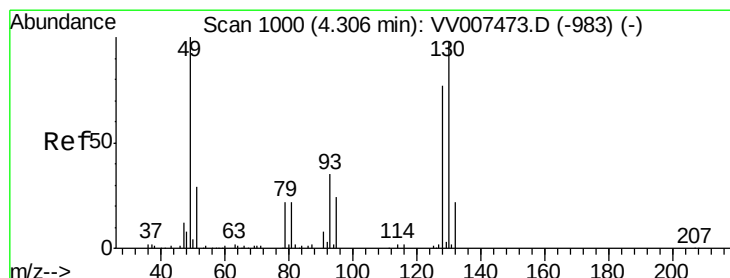
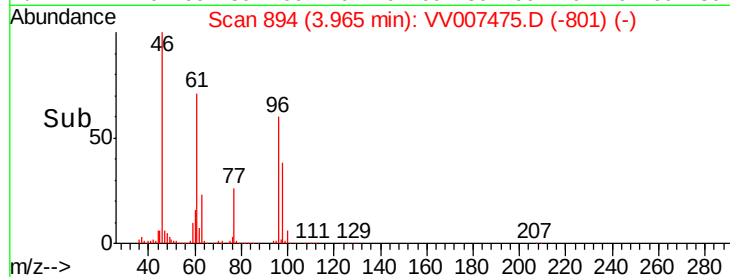
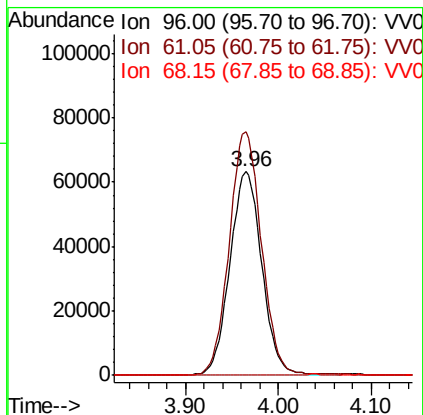
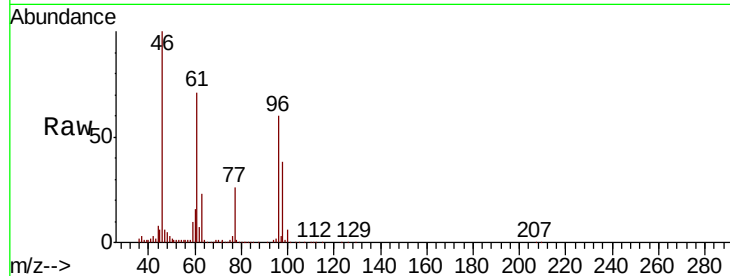


#22

cis-1,2-Dichloroethene
 Concen: 20.459 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

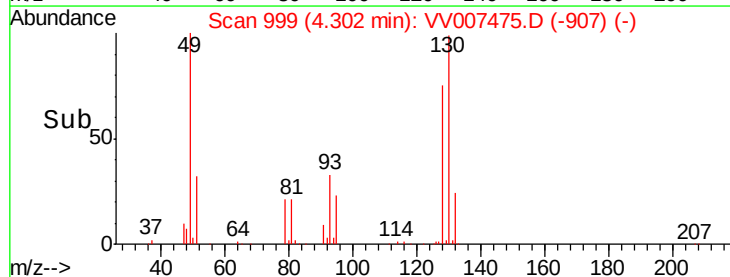
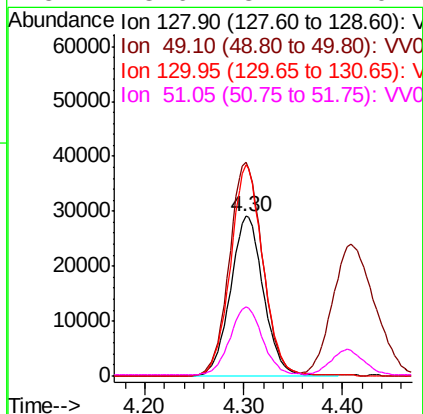
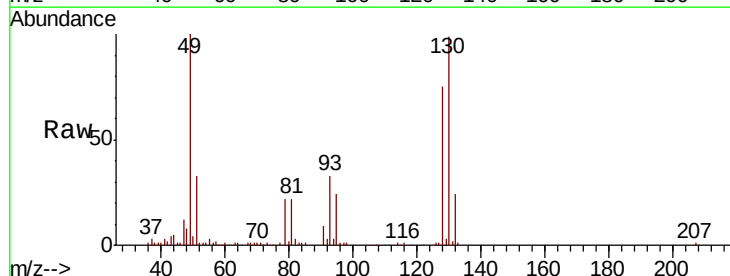
Tot Ion	Ratio	Lower	Upper
96	100		
61	119.5	82.6	153.4
68	0.4	1.2	2.2#

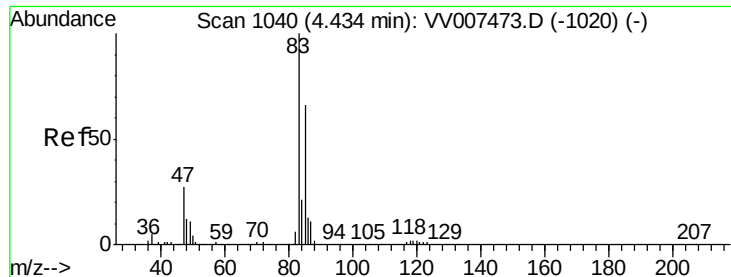


#23

Bromochloromethane
 Concen: 19.361 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	133.8	91.1	169.1
130	131.9	89.5	166.1
51	43.6	32.7	49.1

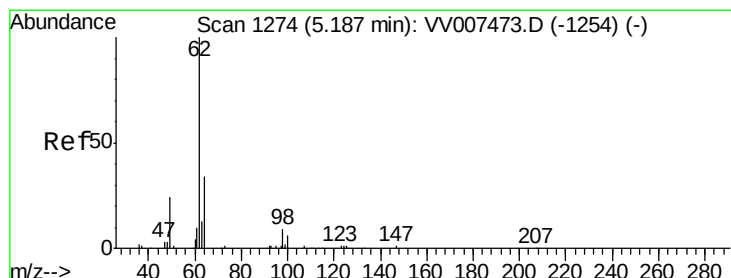
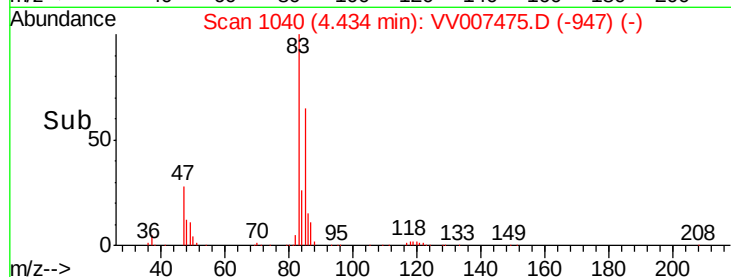
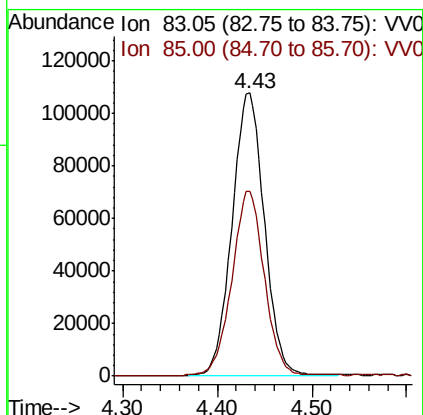
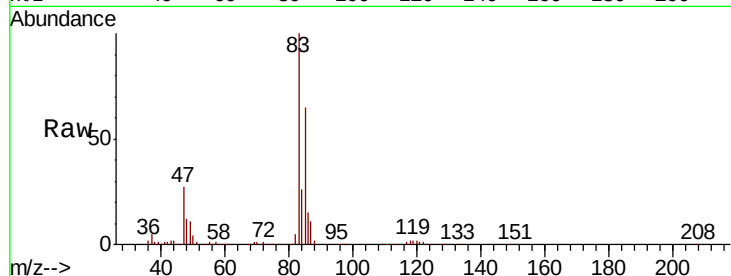




#25
Chloroform
Concen: 20.512 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

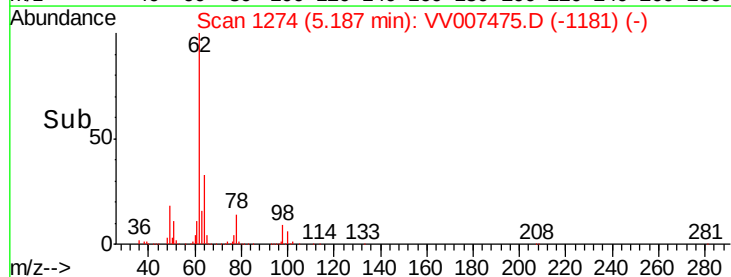
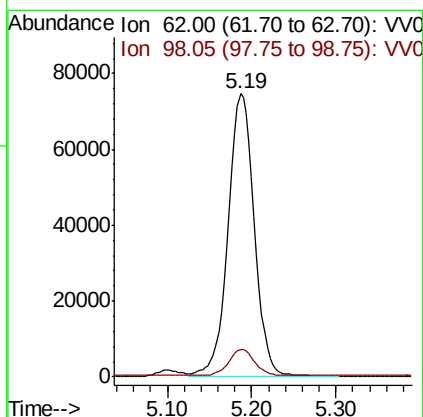
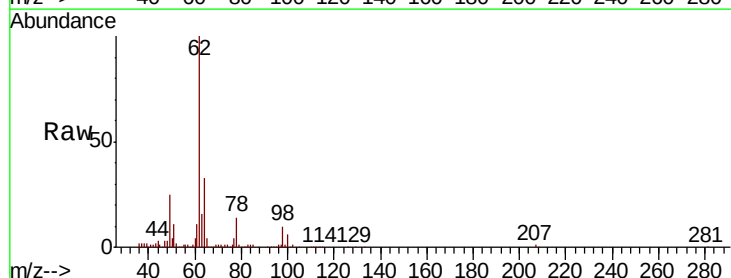
Instrument :
MSVOA_V
ClientSampleId :
VSTD02068

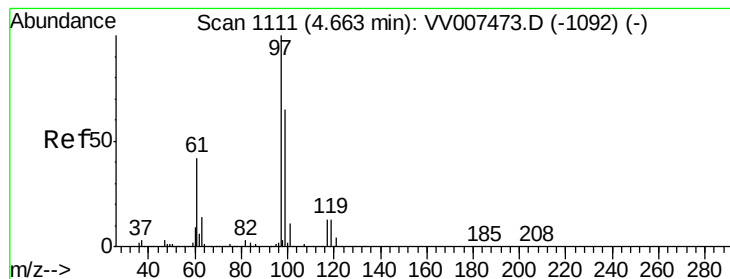
Tot Ion: 83 Resp: 256962
Ion Ratio Lower Upper
83 100
85 65.4 46.6 86.6



#27
1,2-Dichloroethane
Concen: 20.587 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

Tgt Ion: 62 Resp: 161336
Ion Ratio Lower Upper
62 100
98 9.8 9.5 14.3





#29

1,1,1-Trichloroethane

Concen: 19.748 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

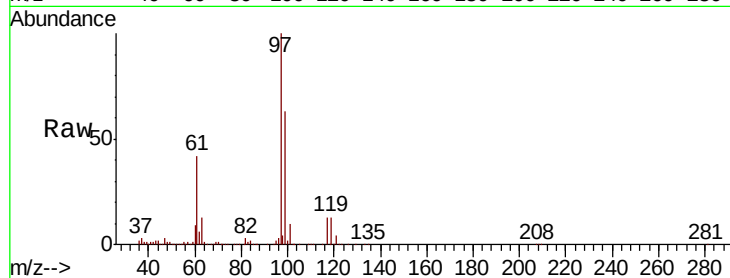
Tot Ion: 97 Resp: 246591

Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

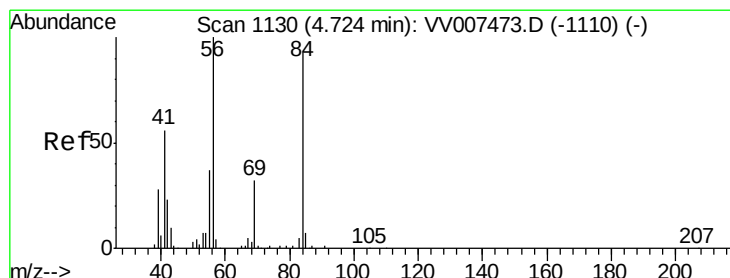
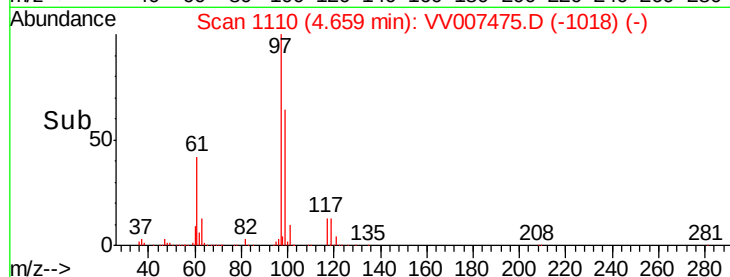
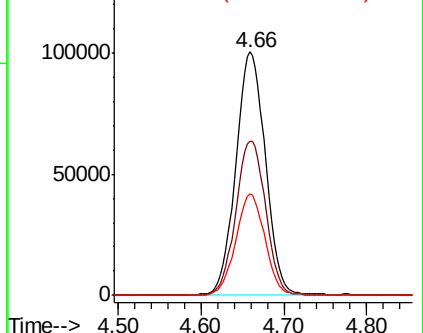
61 41.8 33.4 50.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 19.362 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

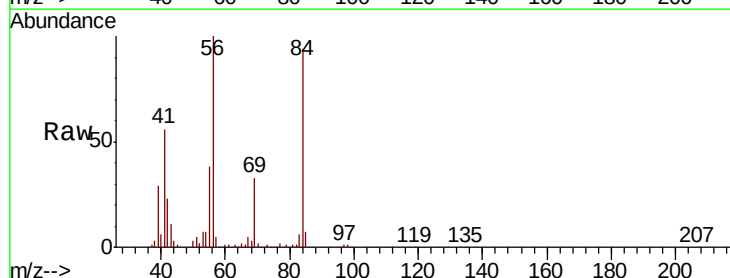
Tgt Ion: 56 Resp: 214262

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

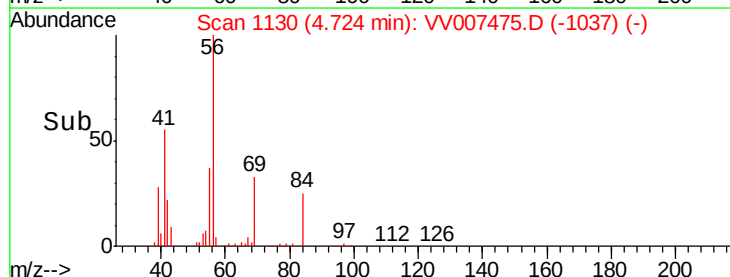
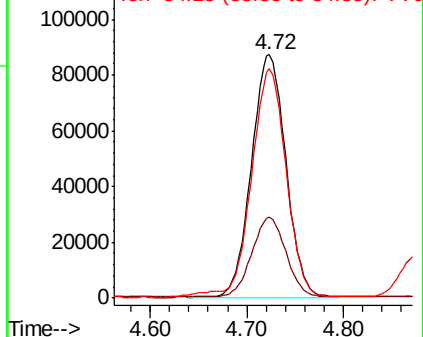
84 95.8 73.8 110.8

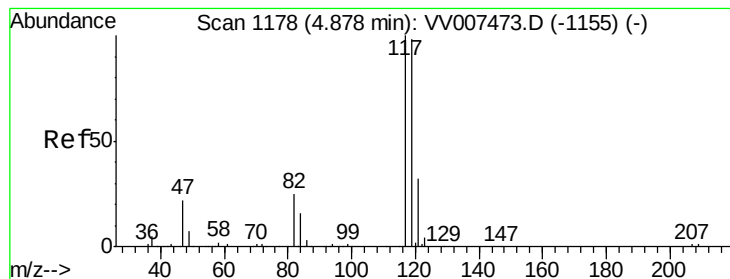


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 20.227 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampled :

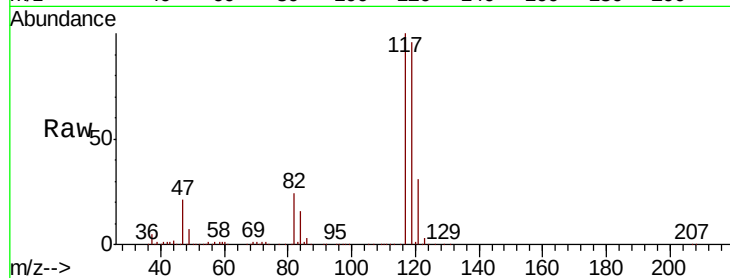
VSTD02068

Tot Ion:117 Resp: 233061

Ion Ratio Lower Upper

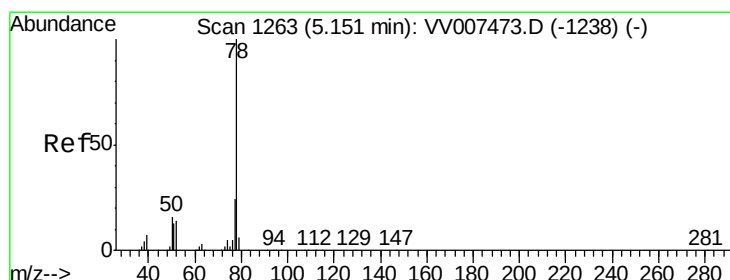
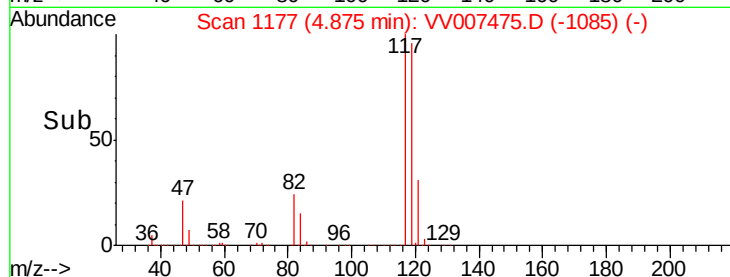
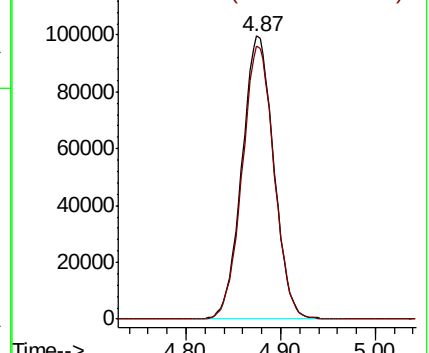
117 100

119 96.7 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.160 ug/L

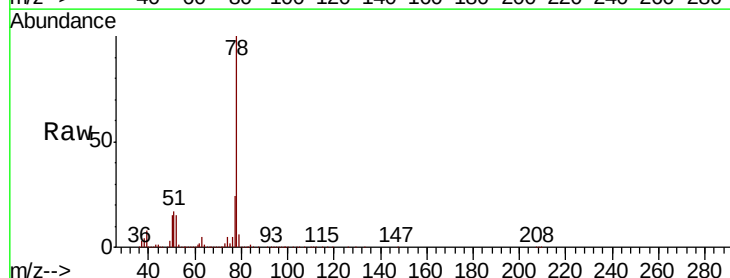
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

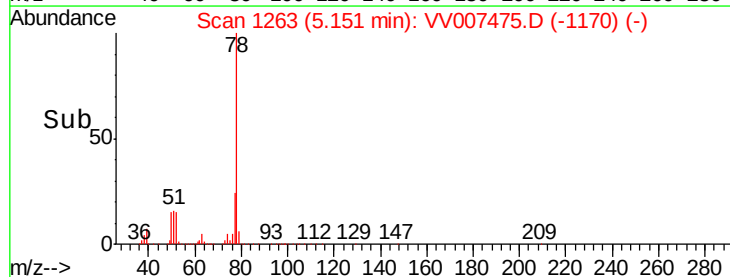
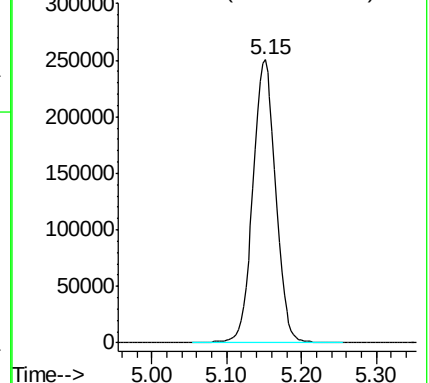
Lab File: VV007475.D

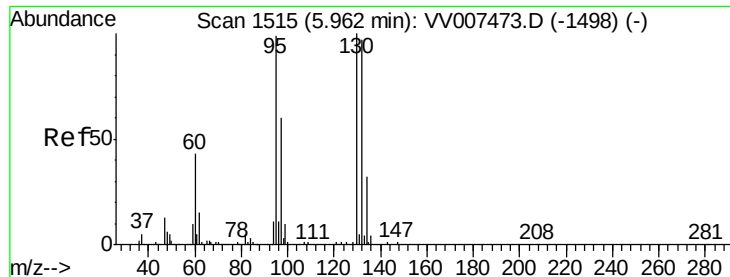
Acq: 12 Sep 2018 13:36

Tgt Ion: 78 Resp: 532717



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 19.572 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

Tot Ion: 95 Resp: 155959

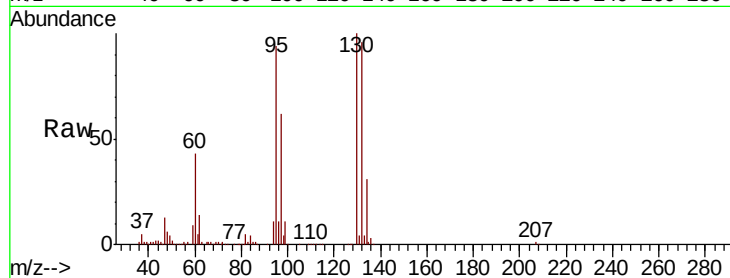
Ion Ratio Lower Upper

95 100

97 65.6 42.8 79.4

132 102.3 67.6 125.6

130 106.4 69.6 129.2

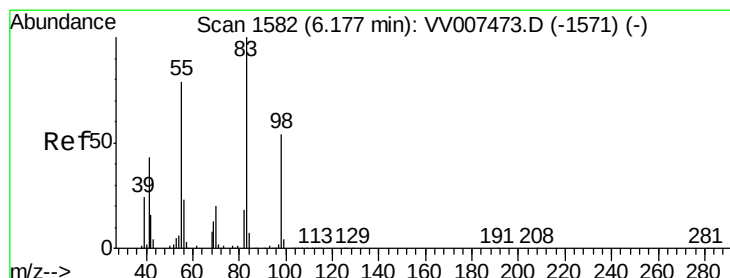
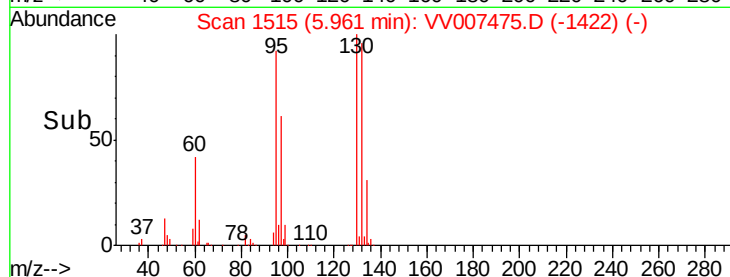
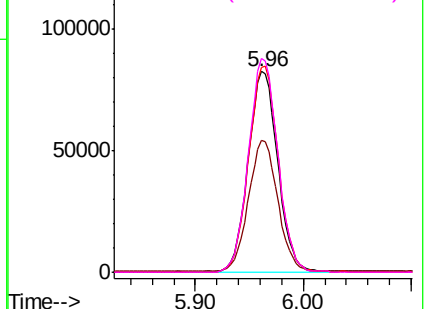


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 20.335 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

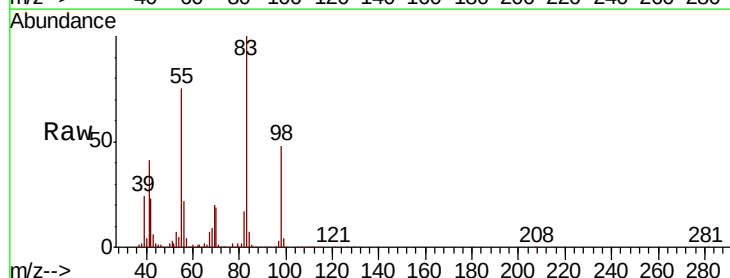
Tgt Ion: 83 Resp: 251380

Ion Ratio Lower Upper

83 100

55 72.6 57.4 86.0

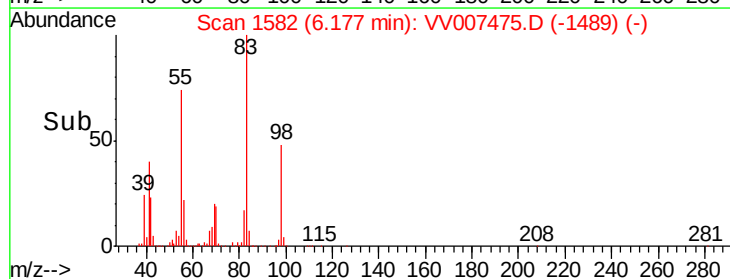
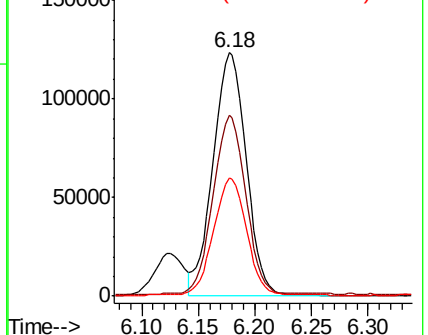
98 48.1 38.8 58.2

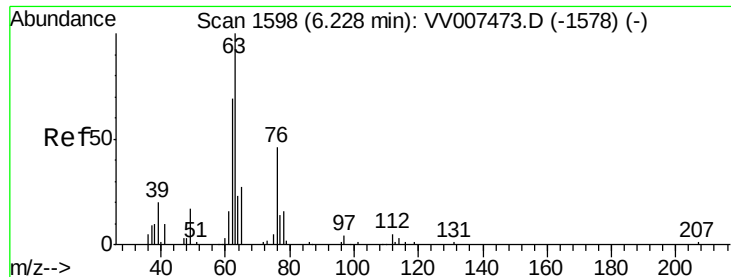


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

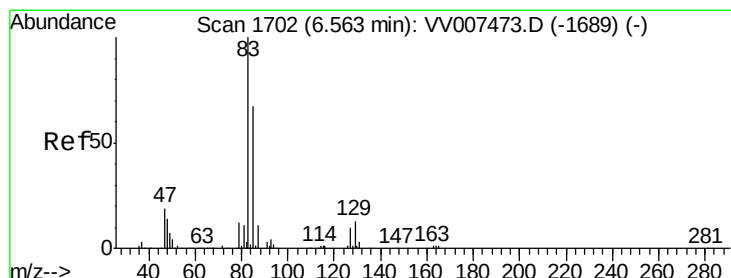
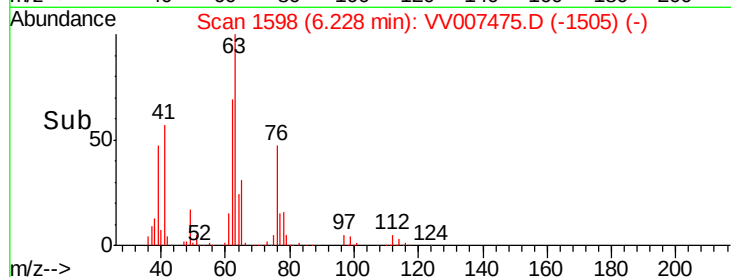
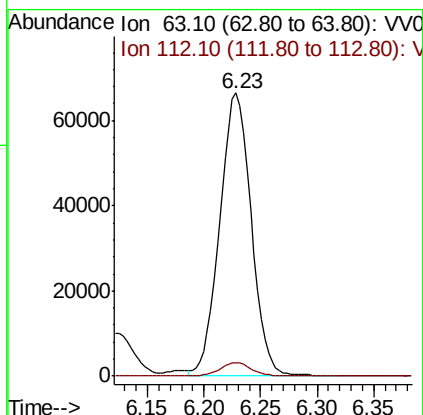
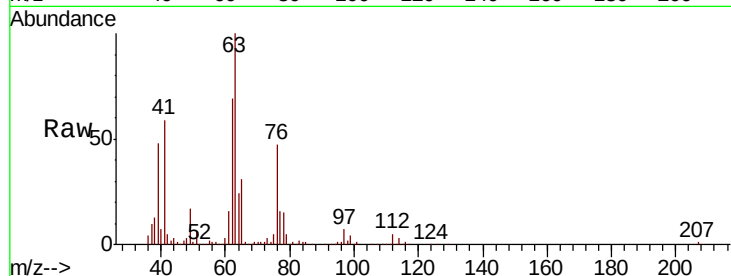




#37
 1,2-Dichloropropane
 Concen: 19.154 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

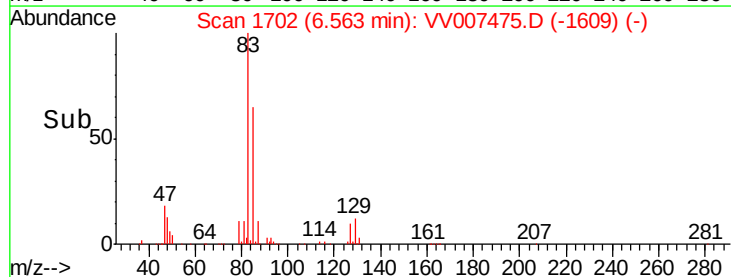
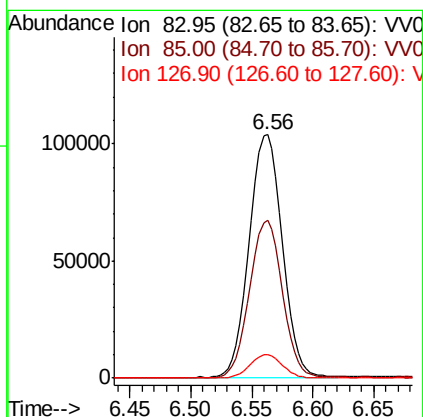
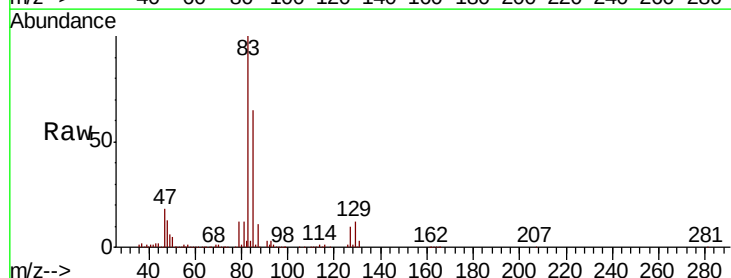
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

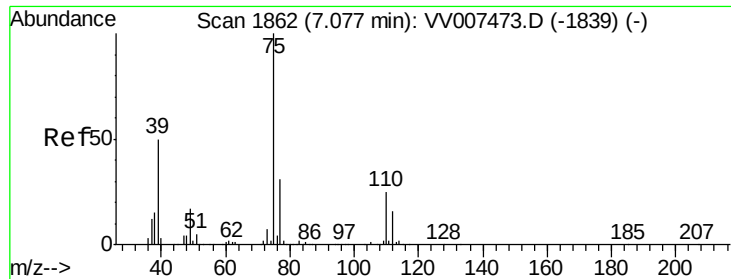
Tot Ion: 63 Resp: 128179
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 20.461 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion: 83 Resp: 193759
 Ion Ratio Lower Upper
 83 100
 85 64.8 47.0 87.2
 127 9.5 7.8 11.6

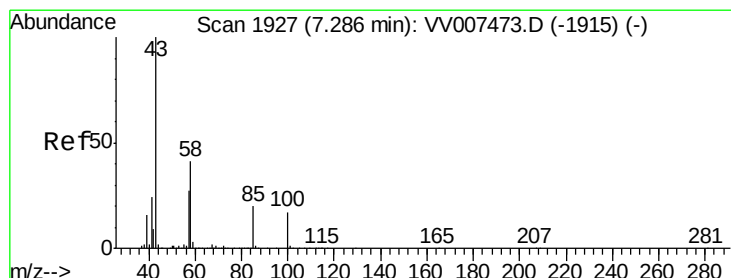
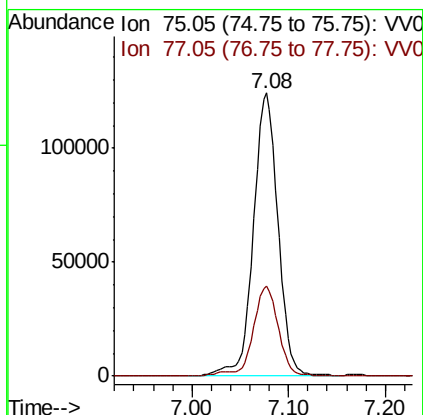
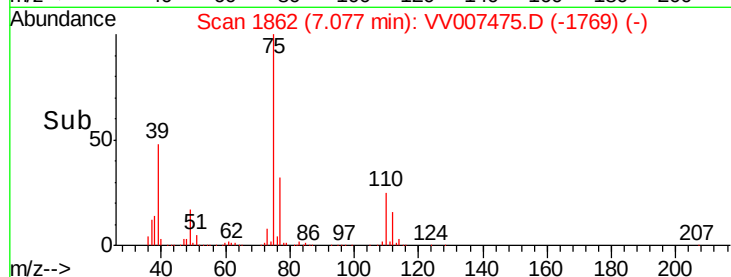
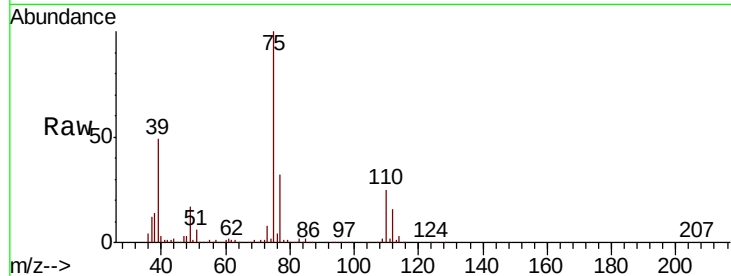




#39
 cis-1,3-Dichloropropene
 Concen: 20.412 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

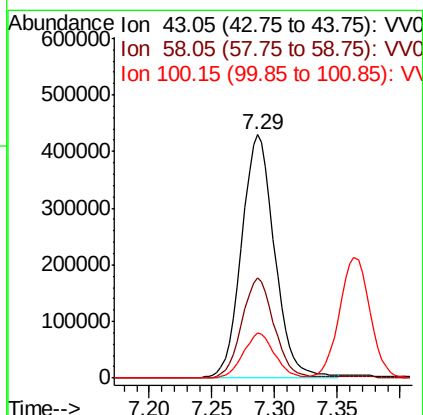
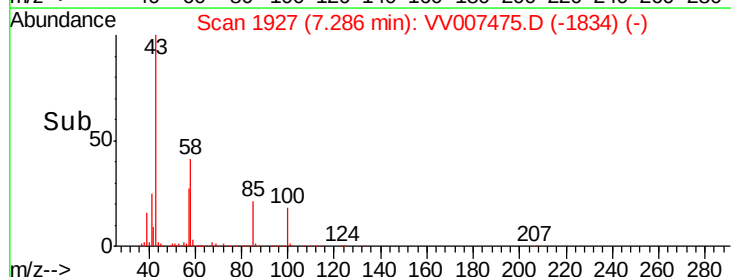
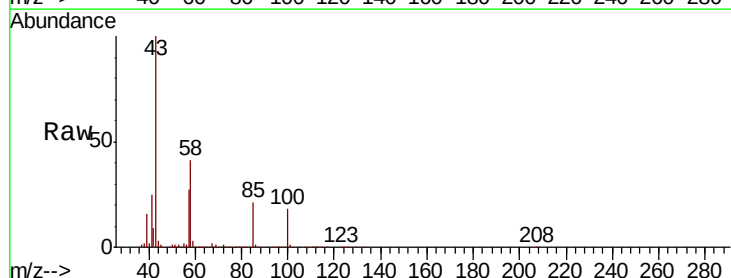
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

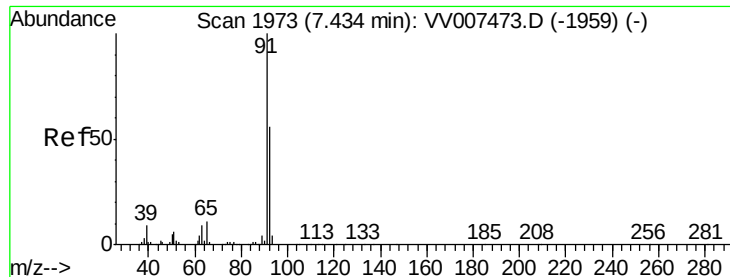
Tot Ion: 75 Resp: 219828
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 204.590 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion: 43 Resp: 779706
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.2
 100 17.8 13.6 20.4





#42

Toluene

Concen: 20.668 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

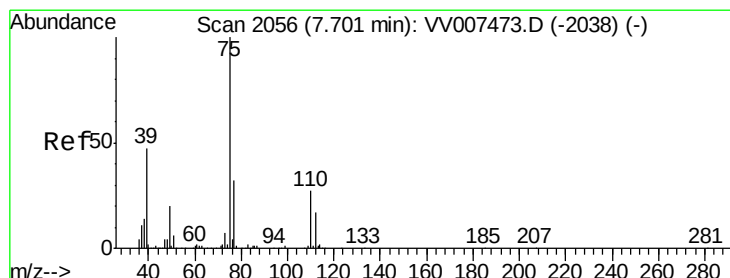
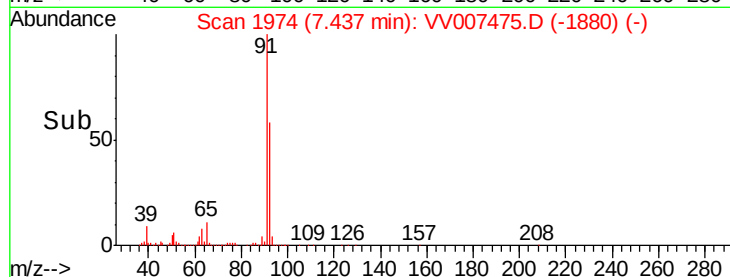
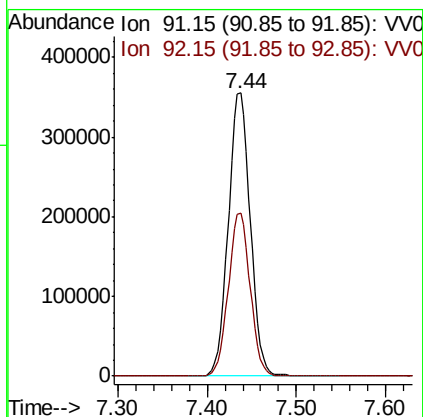
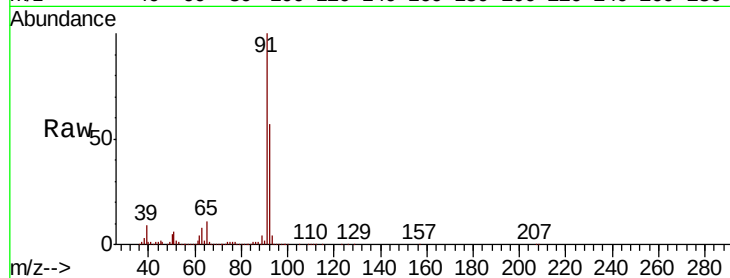
VSTD02068

Tot Ion: 91 Resp: 604788

Ion Ratio Lower Upper

91 100

92 57.5 38.9 72.2



#44

trans-1,3-Dichloropropene

Concen: 20.543 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007475.D

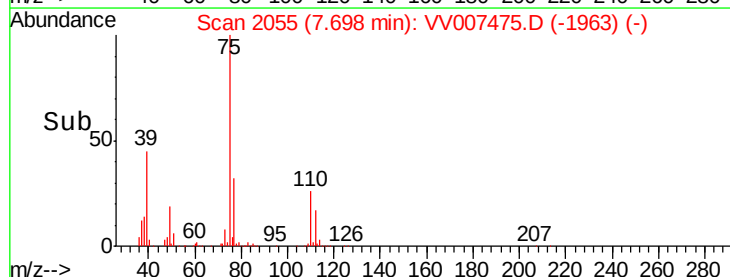
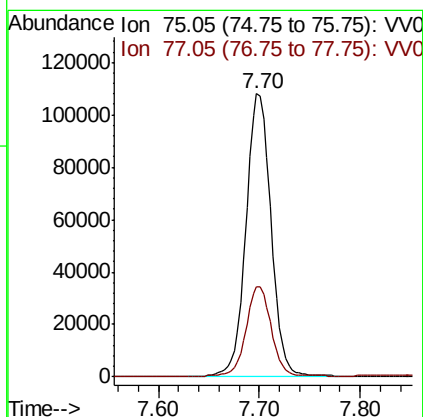
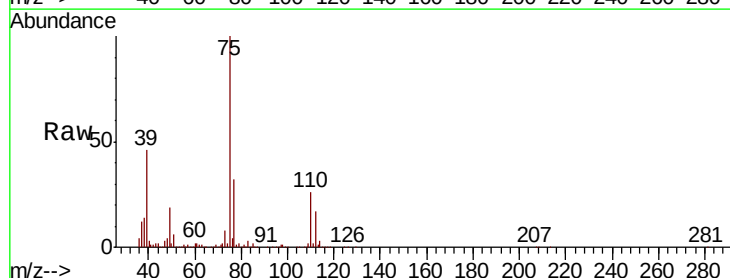
Acq: 12 Sep 2018 13:36

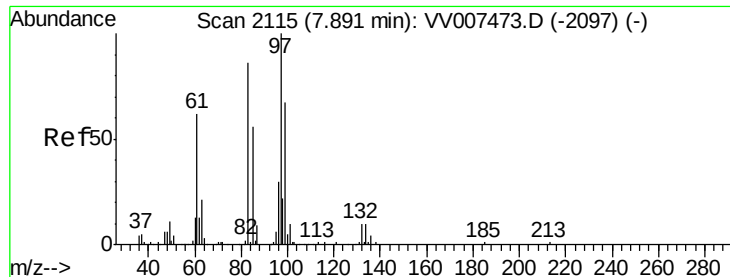
Tgt Ion: 75 Resp: 185709

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8

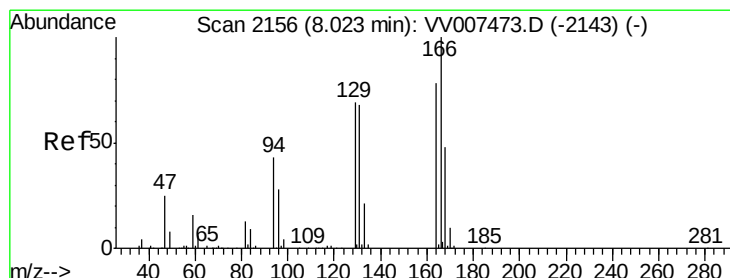
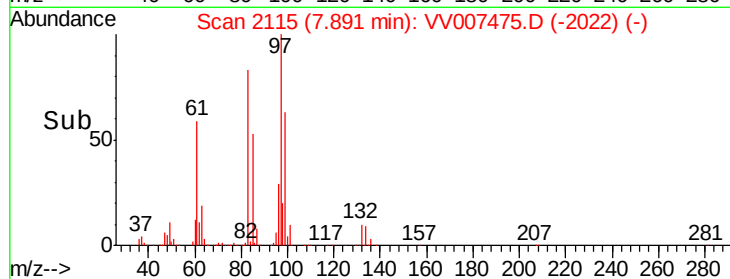
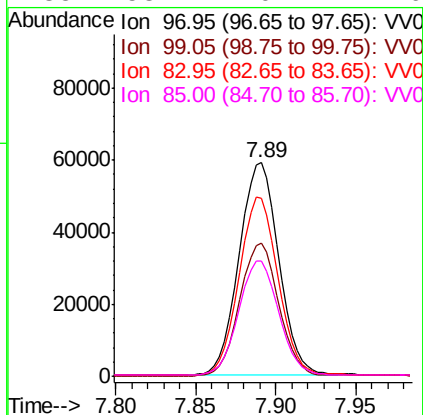
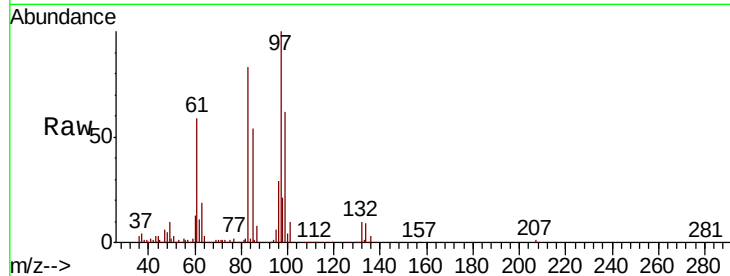




#45
 1,1,2-Trichloroethane
 Concen: 19.706 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

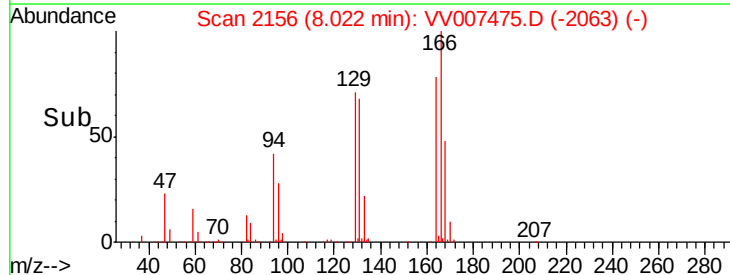
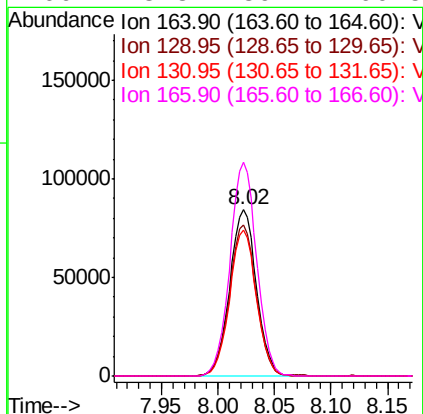
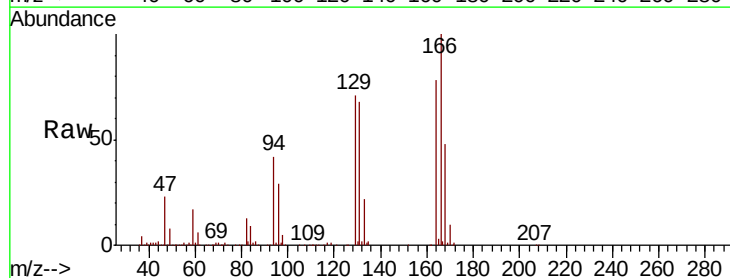
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

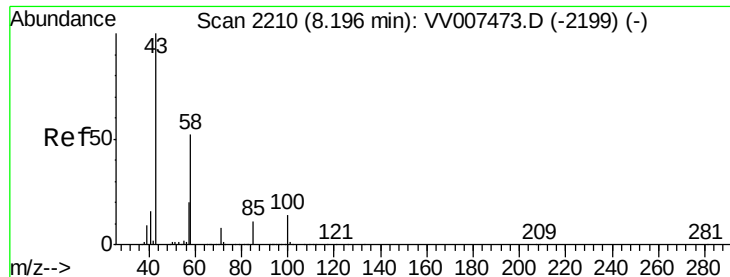
Tot Ion:	97	Resp:	99838
Ion	Ratio	Lower	Upper
97	100		
99	62.5	46.2	85.8
83	83.3	60.5	112.3
85	53.7	40.2	74.6



#47
 Tetrachloroethene
 Concen: 20.384 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion:	164	Resp:	138946
Ion	Ratio	Lower	Upper
164	100		
129	91.3	62.7	116.5
131	87.9	60.5	112.5
166	128.8	89.7	166.5

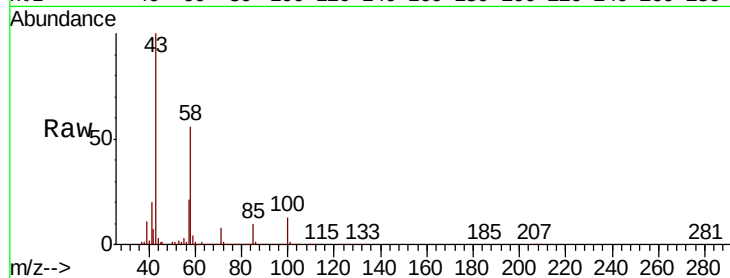




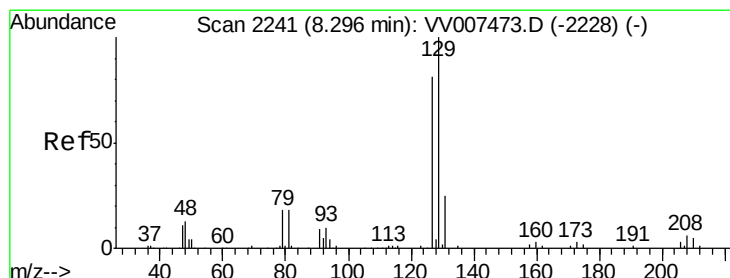
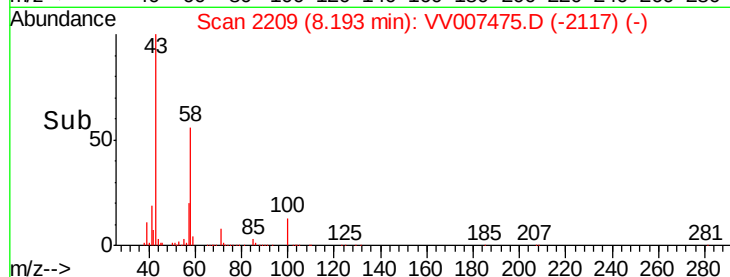
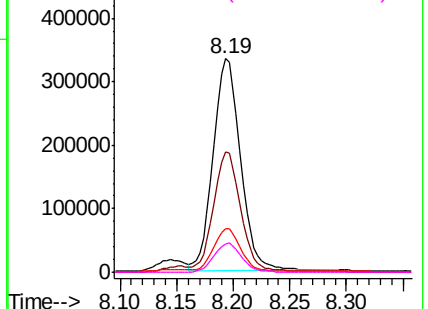
#48
2-Hexanone
Concen: 203.181 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD02068

Tot Ion:	43	Resp:	563647
Ion	Ratio	Lower	Upper
43	100		
58	56.7	47.9	71.9
57	20.2	16.2	24.2
100	13.8	11.0	16.4

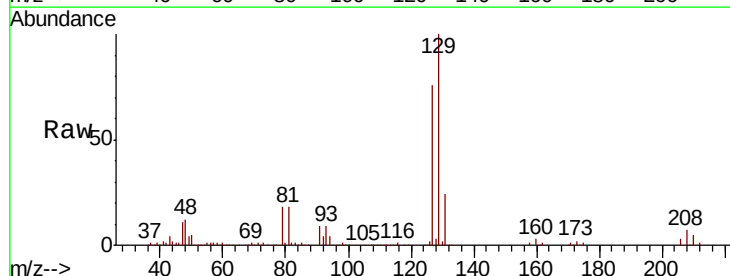


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

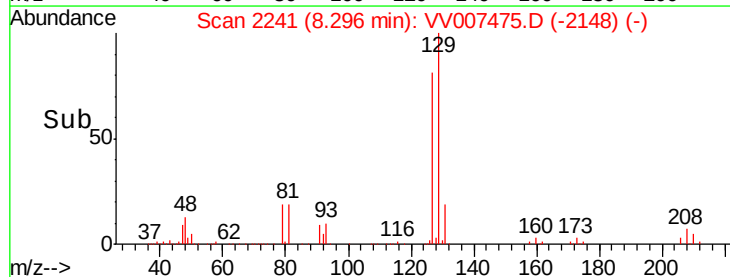
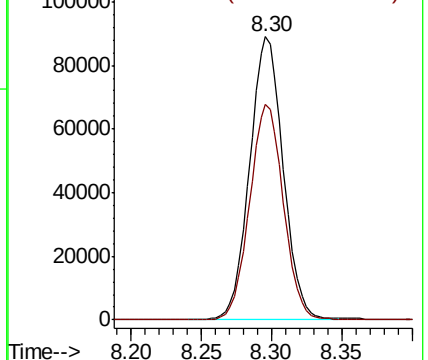


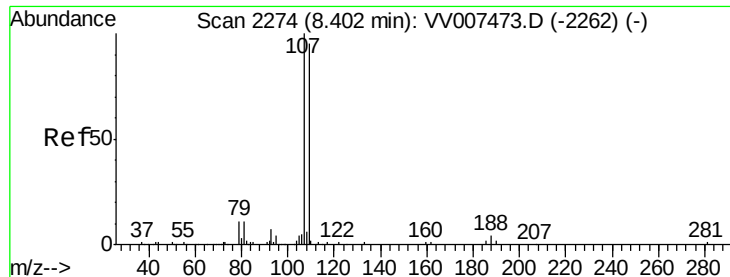
#49
Dibromochloromethane
Concen: 21.053 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

Tgt Ion:	129	Resp:	147582
Ion	Ratio	Lower	Upper
129	100		
127	76.0	56.3	104.5



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

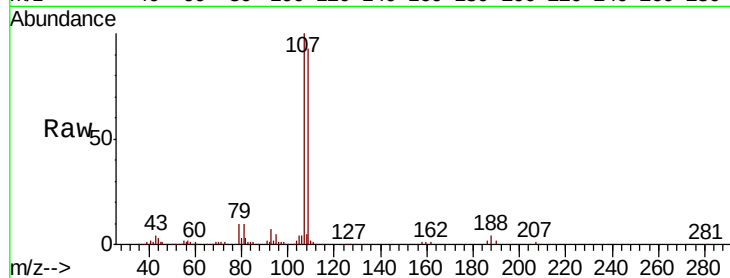




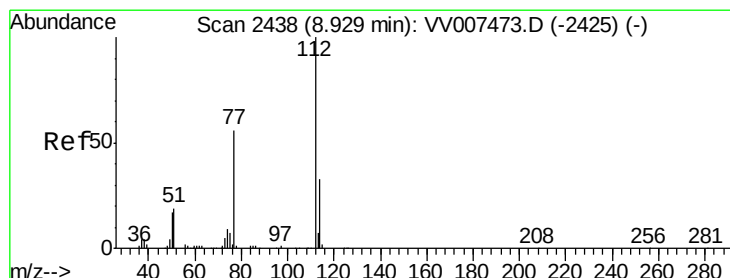
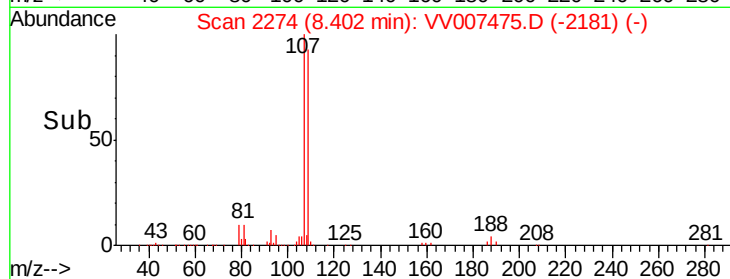
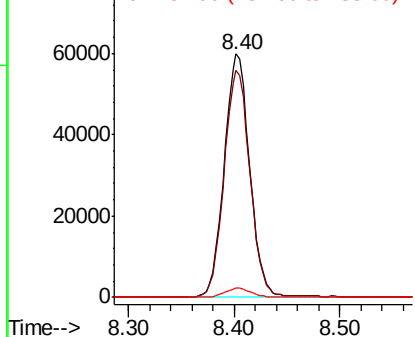
#50
 1,2-Dibromoethane
 Concen: 20.282 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	67.1	124.5
188	3.8	3.2	4.8

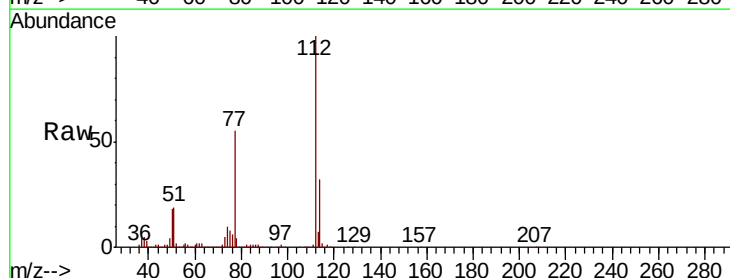


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

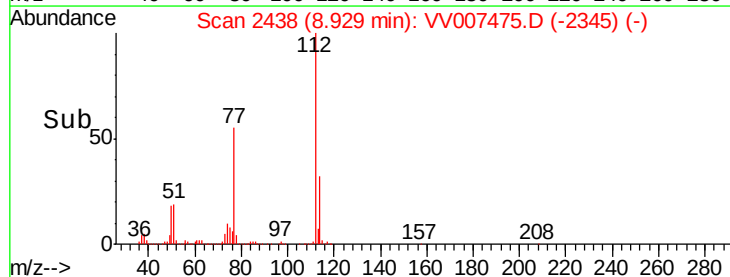
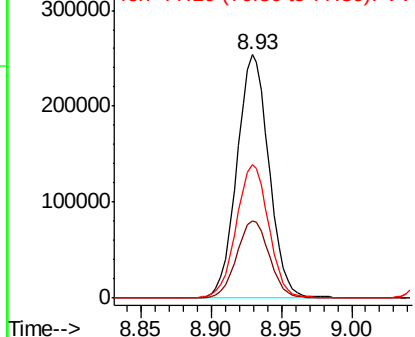


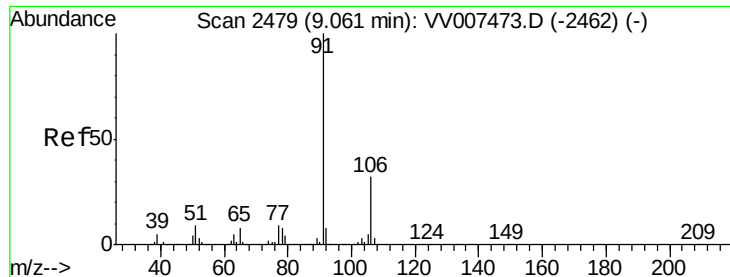
#51
 Chlorobenzene
 Concen: 20.314 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.8	42.4
77	54.8	45.4	68.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 20.692 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

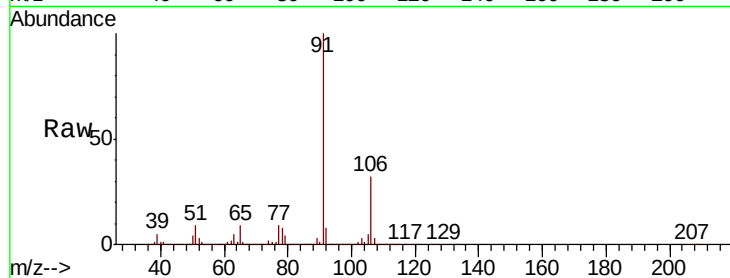
VSTD02068

Tot Ion: 91 Resp: 690109

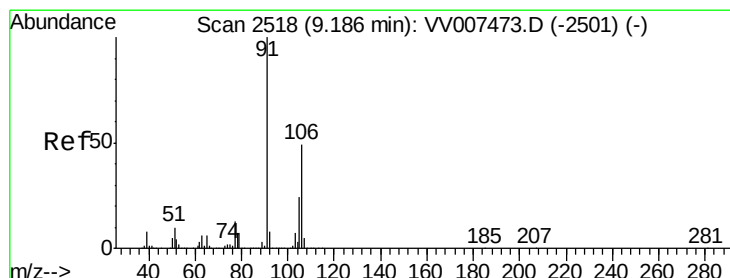
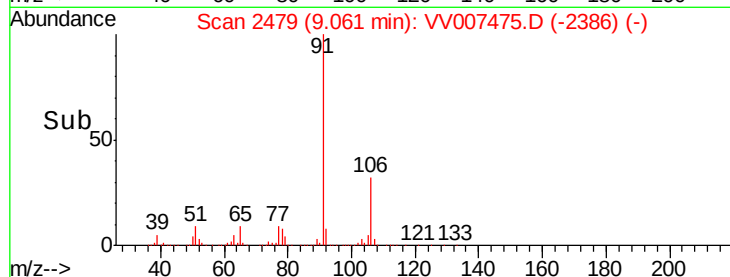
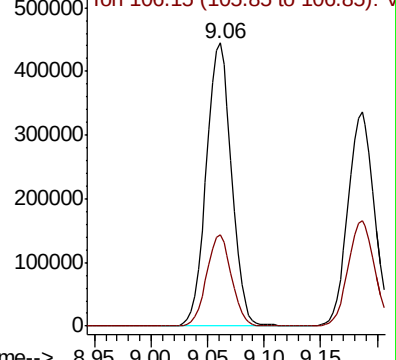
Ion Ratio Lower Upper

91 100

106 32.1 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV007475.D (-2386) (-)



#53

m,p-xylene

Concen: 20.836 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007475.D

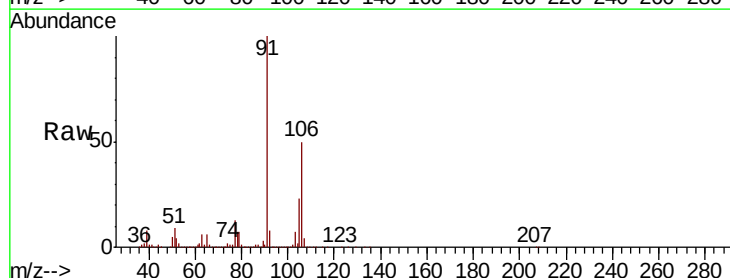
Acq: 12 Sep 2018 13:36

Tgt Ion: 106 Resp: 270309

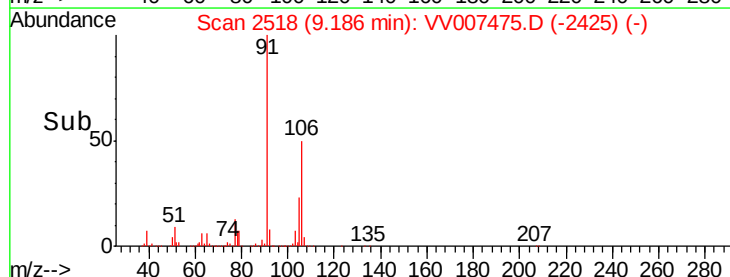
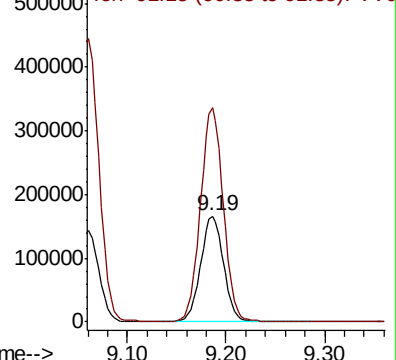
Ion Ratio Lower Upper

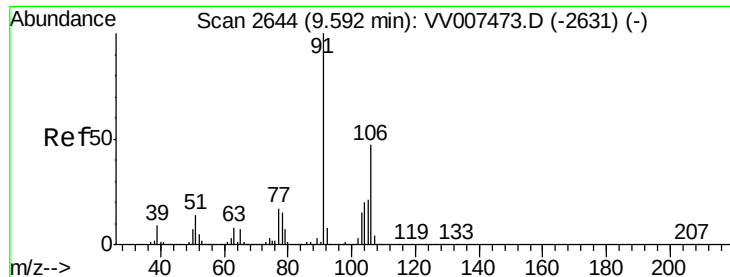
106 100

91 201.7 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VV007475.D (-2425) (-)





#54

o-xylene

Concen: 20.694 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

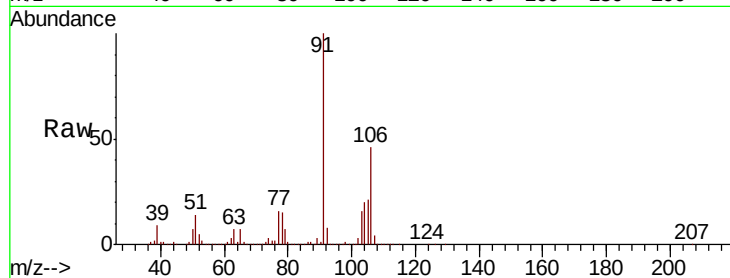
VSTD02068

Tot Ion:106 Resp: 262080

Ion Ratio Lower Upper

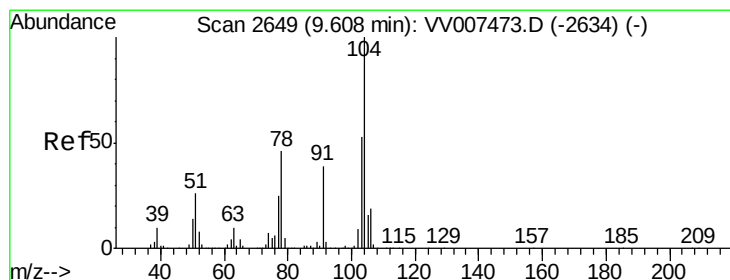
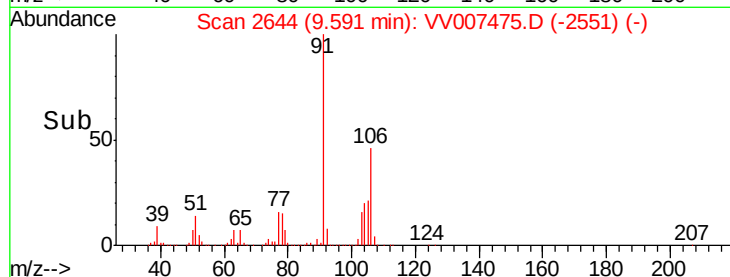
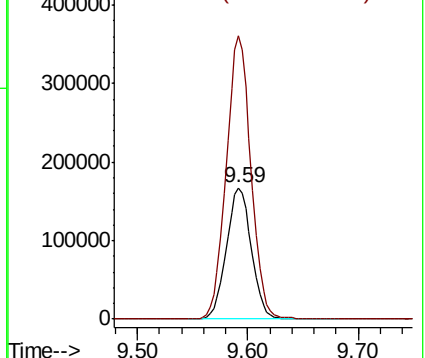
106 100

91 215.4 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 21.392 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007475.D

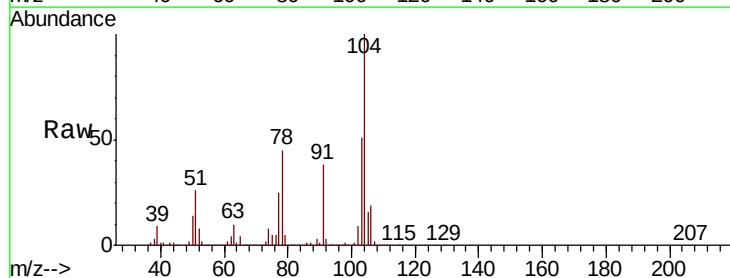
Acq: 12 Sep 2018 13:36

Tgt Ion:104 Resp: 443914

Ion Ratio Lower Upper

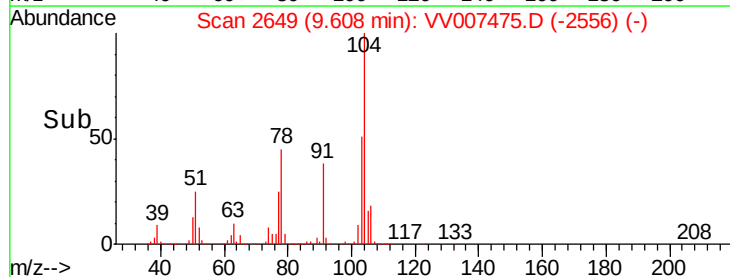
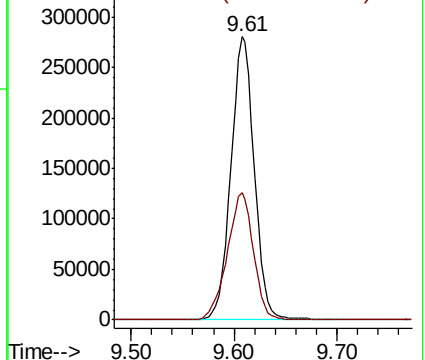
104 100

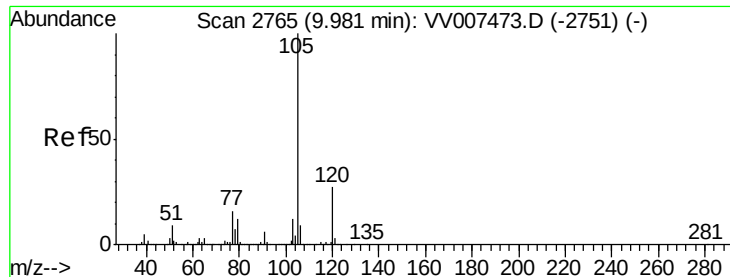
78 45.0 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.902 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

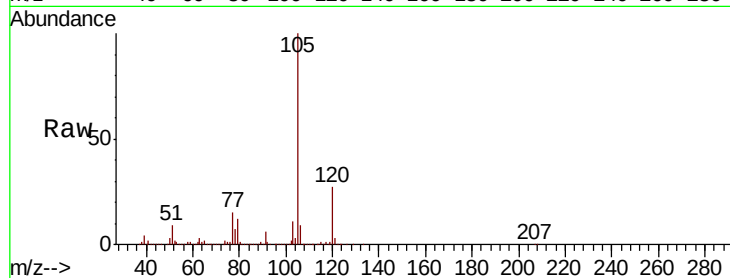
Tot Ion:105 Resp: 712936

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.8

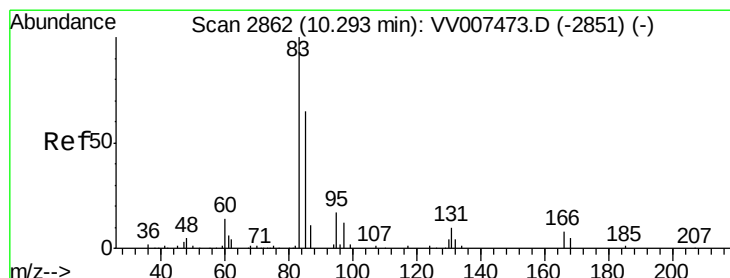
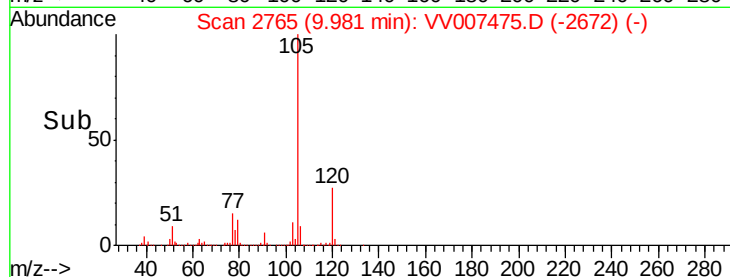
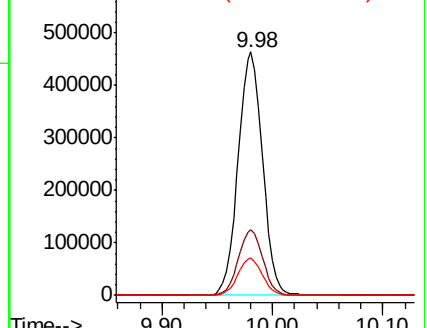
77 15.2 12.6 18.8



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: 20.299 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

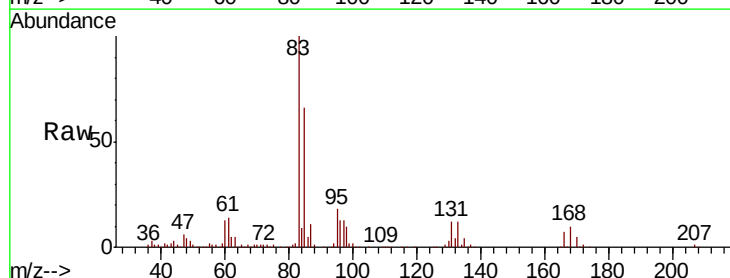
Tgt Ion: 83 Resp: 112768

Ion Ratio Lower Upper

83 100

85 66.2 48.2 89.4

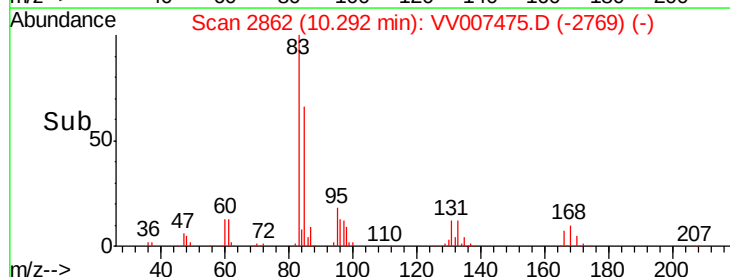
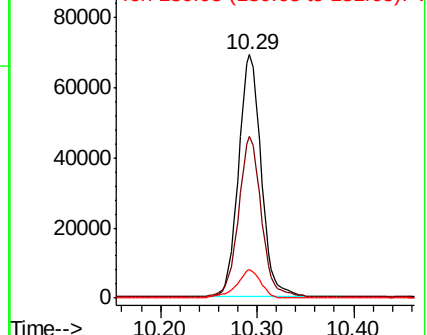
131 11.5 8.9 13.3

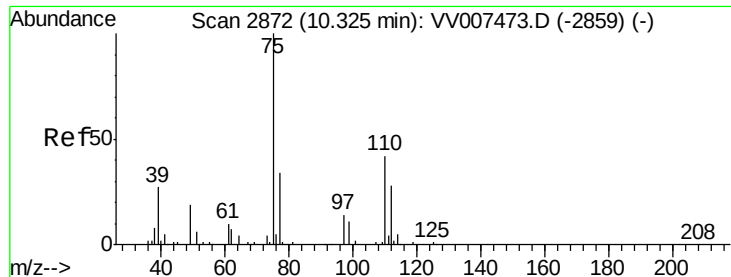


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

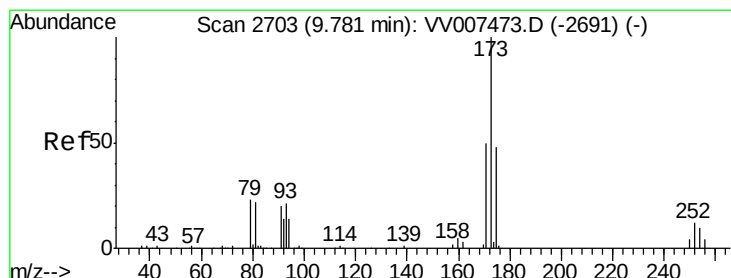
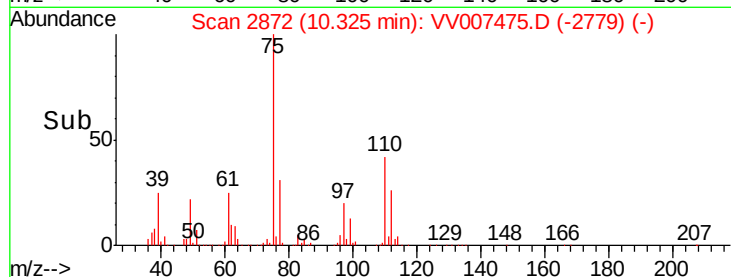
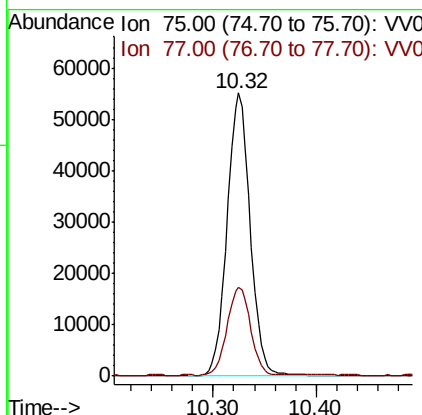
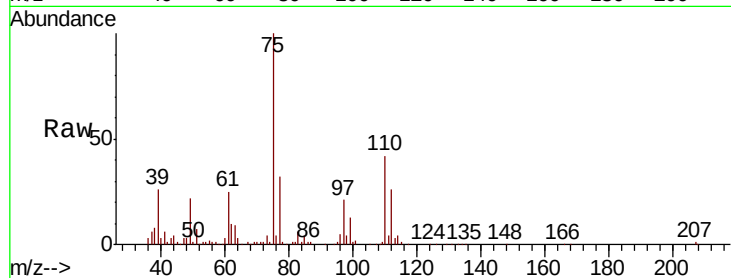




#59
1,2,3-Trichloropropane
Concen: 20.242 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

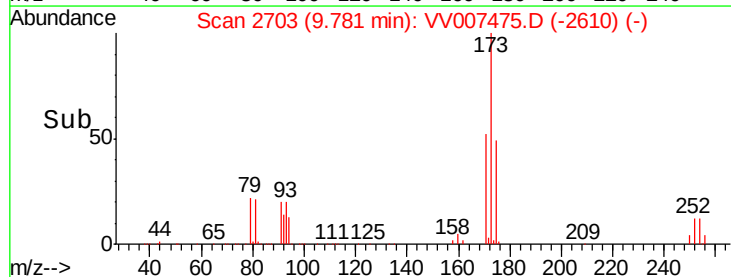
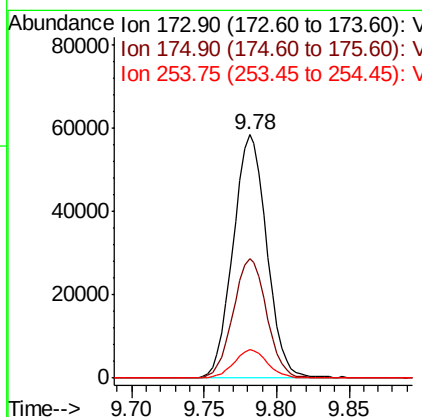
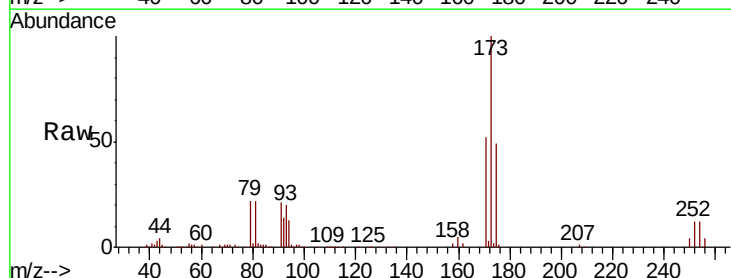
Instrument :
MSVOA_V
ClientSampleId :
VSTD02068

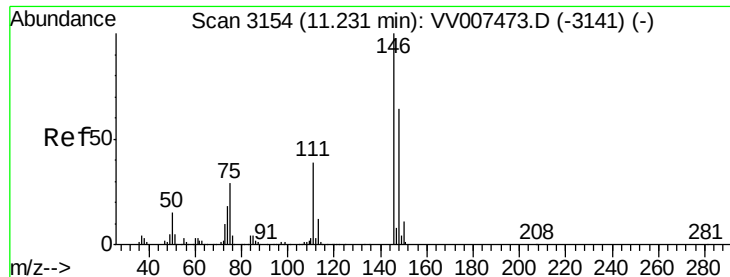
Tot Ion: 75 Resp: 86252
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0



#61
Bromoform
Concen: 20.430 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.00 min
Lab File: VV007475.D
Acq: 12 Sep 2018 13:36

Tgt Ion: 173 Resp: 94197
Ion Ratio Lower Upper
173 100
175 48.9 40.5 60.7
254 11.4 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 20.094 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

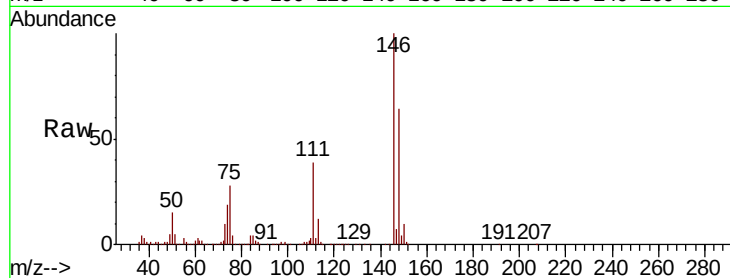
Tot Ion:146 Resp: 339982

Ion Ratio Lower Upper

146 100

111 38.5 27.4 51.0

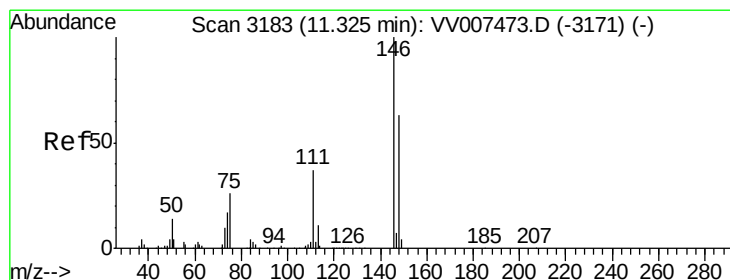
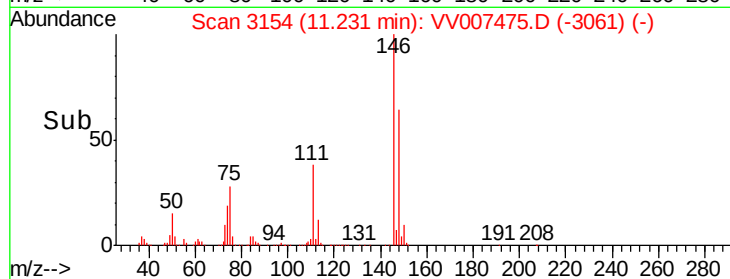
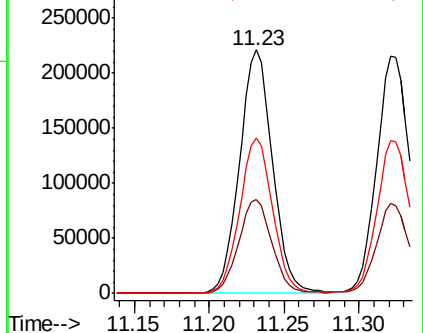
148 64.0 45.1 83.7



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: 20.147 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

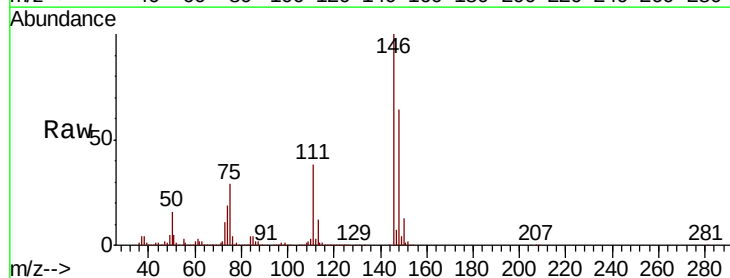
Tgt Ion:146 Resp: 339504

Ion Ratio Lower Upper

146 100

111 37.8 26.6 49.4

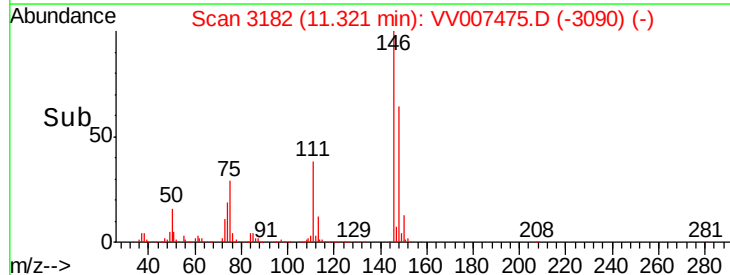
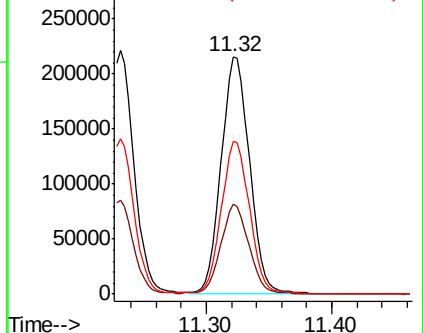
148 64.2 44.2 82.2

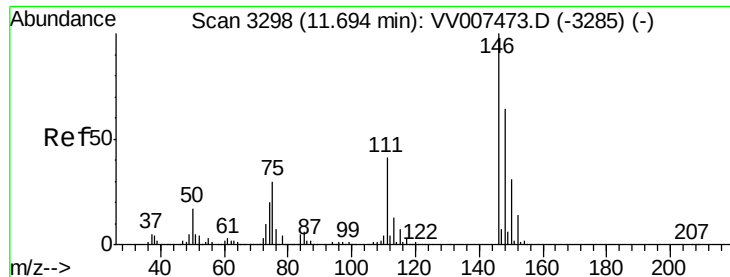


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.942 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

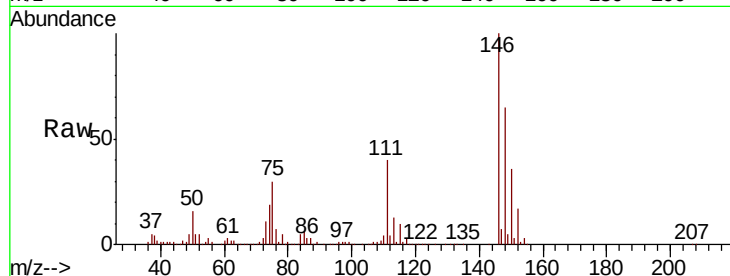
Tot Ion:146 Resp: 316883

Ion Ratio Lower Upper

146 100

111 40.5 33.0 49.4

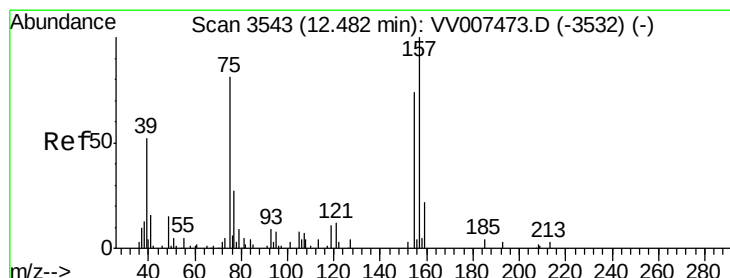
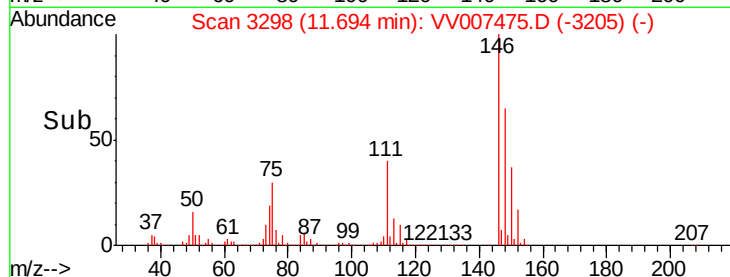
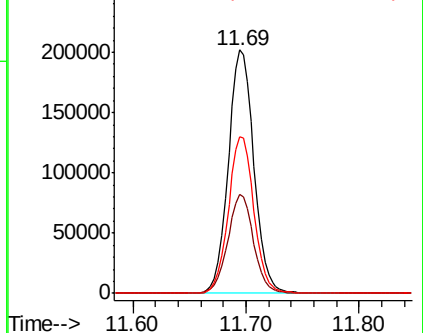
148 64.6 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.776 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

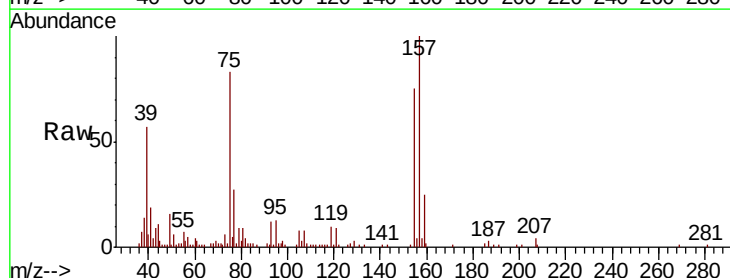
Tgt Ion: 75 Resp: 23365

Ion Ratio Lower Upper

75 100

155 90.3 73.3 109.9

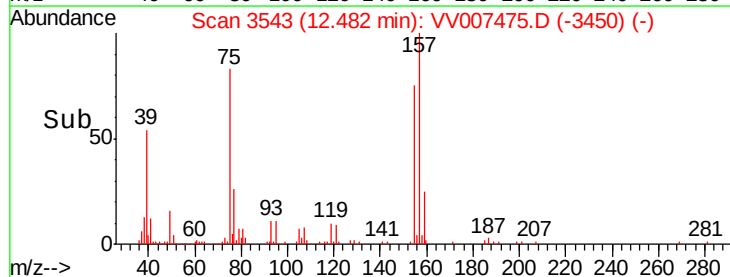
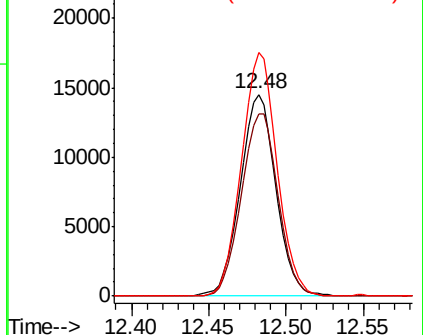
157 120.7 99.4 149.0

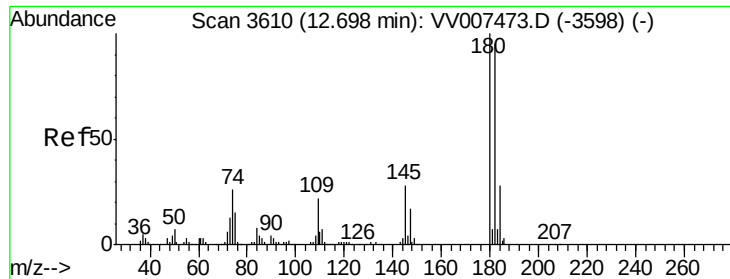


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

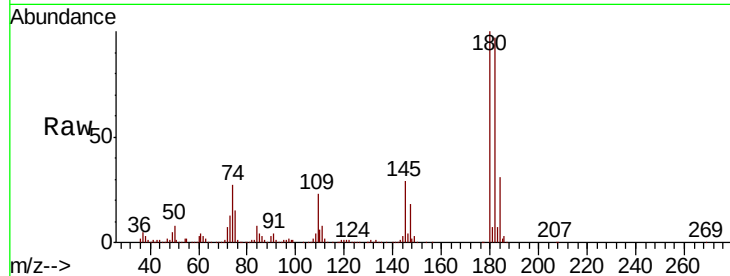




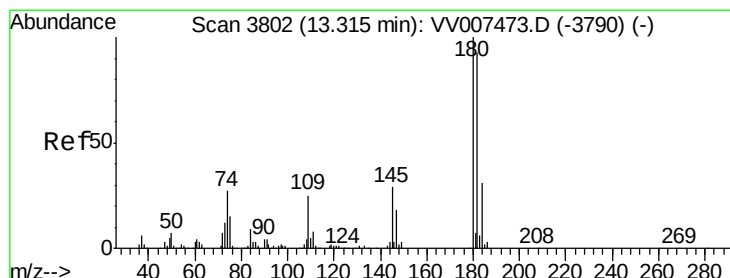
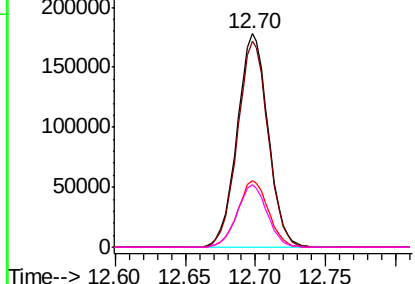
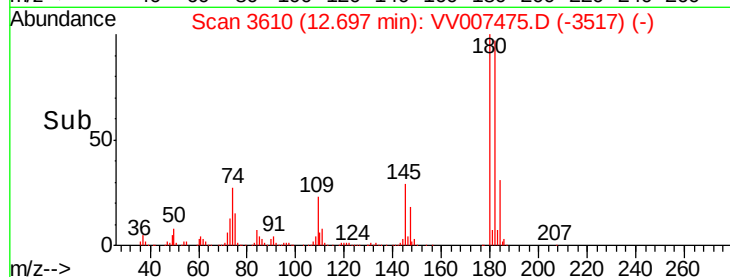
#67
 1,3,5-Trichlorobenzene
 Concen: 21.072 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02068

Tot Ion:180	Resp:	273374
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.4 113.2
184	31.0	23.8 35.8
145	28.6	23.0 34.4

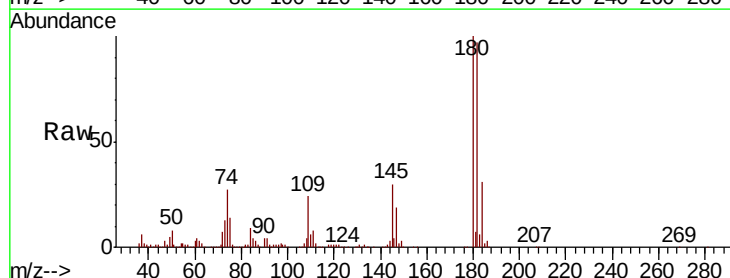


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

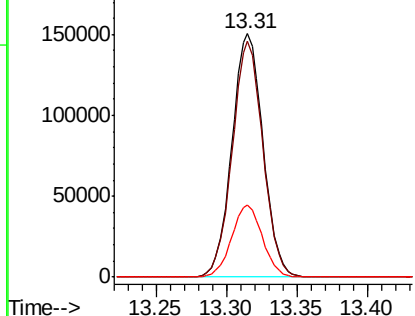
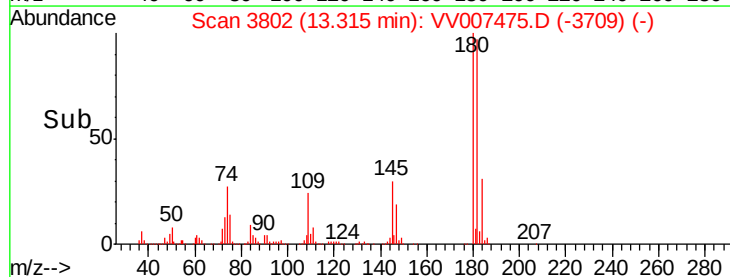


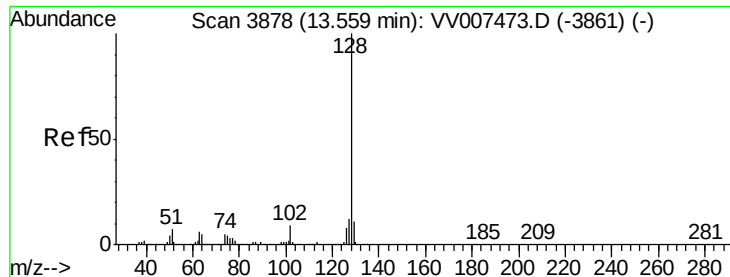
#68
 1,2,4-trichlorobenzene
 Concen: 23.540 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007475.D
 Acq: 12 Sep 2018 13:36

Tgt Ion:180	Resp:	231687
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.6 114.8
145	29.3	23.3 34.9



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: 24.291 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02068

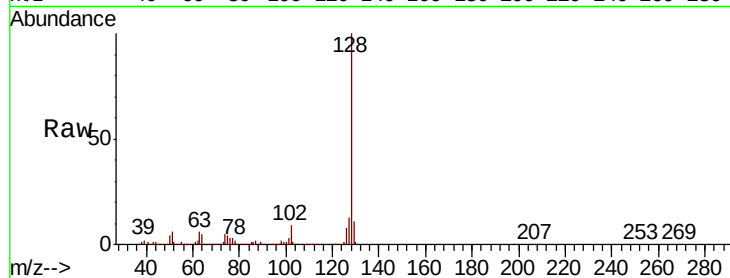
Tot Ion:128 Resp: 371965

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.3 10.8 16.2

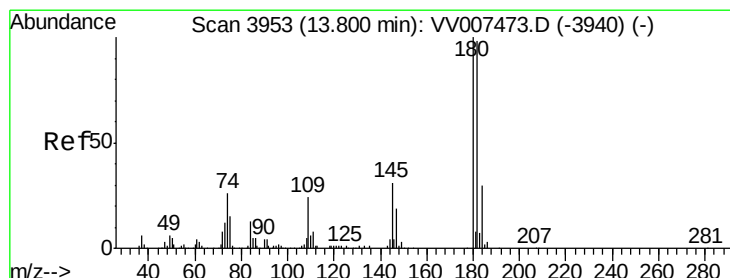
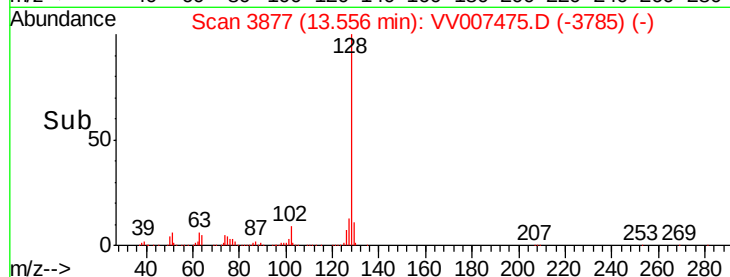
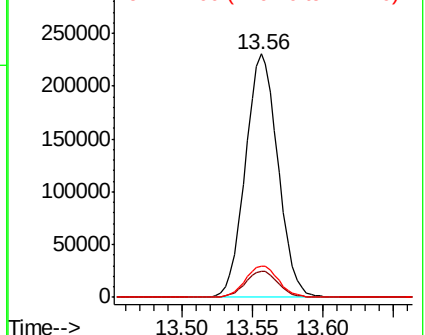


Abundance

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: 22.552 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007475.D

Acq: 12 Sep 2018 13:36

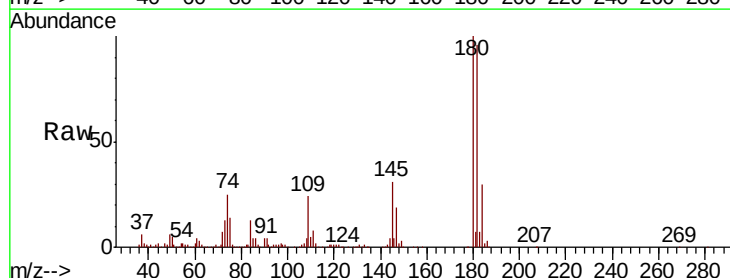
Tgt Ion:180 Resp: 208203

Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

145 31.3 25.1 37.7



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

