

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012646.D
 Acq On : 10 Sep 2019 01:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	400028	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	396403	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	203407	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117620	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	105262	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.13	63	209334	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	3.96	46	373201	57.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.30%
24) Chloroform-d	4.40	84	240856	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	121163	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.09	84	445641	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	145144	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	409165	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.66	79	50273	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.14	63	229737	58.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	118196	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	161986	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	181957	5.393	ug/L 100
3) Chloromethane	1.25	50	177631	5.215	ug/L 100
5) Vinyl chloride	1.32	62	185413	5.334	ug/L 99
6) Bromomethane	1.53	94	90885	4.769	ug/L 98
8) Chloroethane	1.60	64	109971	5.350	ug/L 100
9) Trichlorofluoromethane	1.77	101	239002	5.480	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	141828	5.436	ug/L 99
12) 1,1-Dichloroethene	2.14	96	134006	5.393	ug/L 89
13) Acetone	2.23	43	228891	59.803	ug/L 98
14) Carbon disulfide	2.31	76	355091	5.313	ug/L 99
15) Methyl Acetate	2.47	43	60804	5.905	ug/L 99
16) Methylene chloride	2.53	84	147420	4.853	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	335427	5.754	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	150187	5.376	ug/L 97
19) 1,1-Dichloroethane	3.23	63	285649	5.431	ug/L 98
21) 2-Butanone	4.05	43	419818	63.963	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	162406	5.351	ug/L 98

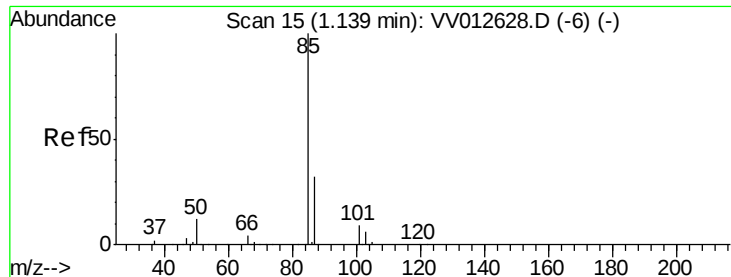
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	71881	5.542	ug/L	97
25) Chloroform	4.42	83	299129	5.164	ug/L	98
27) 1,2-Dichloroethane	5.18	62	173017	5.698	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	230504	5.283	ug/L	99
30) Cyclohexane	4.72	56	228728	5.266	ug/L	100
31) Carbon tetrachloride	4.87	117	206816	5.381	ug/L	97
33) Benzene	5.14	78	633548	5.468	ug/L	100
34) Trichloroethene	5.96	95	168121	5.251	ug/L	99
35) Methylcyclohexane	6.17	83	236317	5.223	ug/L	99
37) 1,2-Dichloropropane	6.22	63	159658	5.533	ug/L	100
38) Bromodichloromethane	6.55	83	200225	5.358	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	200594	5.299	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	1016238	63.529	ug/L	100
42) Toluene	7.43	91	672942	5.591	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	154848	5.424	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	113592	5.652	ug/L	99
47) Tetrachloroethene	8.02	164	133995	5.332	ug/L	99
48) 2-Hexanone	8.19	43	756575	66.099	ug/L	99
49) Dibromochloromethane	8.29	129	132126	5.527	ug/L	99
50) 1,2-Dibromoethane	8.40	107	100988	5.670	ug/L	98
51) Chlorobenzene	8.92	112	427907	5.408	ug/L	99
52) Ethylbenzene	9.05	91	704040	5.439	ug/L	100
53) m,p-xylene	9.18	106	273232	5.584	ug/L	96
54) o-xylene	9.59	106	263804	5.629	ug/L	99
55) Styrene	9.60	104	456582	5.858	ug/L	99
56) Isopropylbenzene	9.97	105	685442	5.521	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	119055	5.942	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	99189	5.827	ug/L	97
61) Bromoform	9.77	173	71740	5.290	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	336868	5.346	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	332673	5.230	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	316746	5.338	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	17893	5.787	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	238776	5.003	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	185928	4.921	ug/L	99
69) Naphthalene	13.55	128	293105	5.131	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	189967	5.332	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.393 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

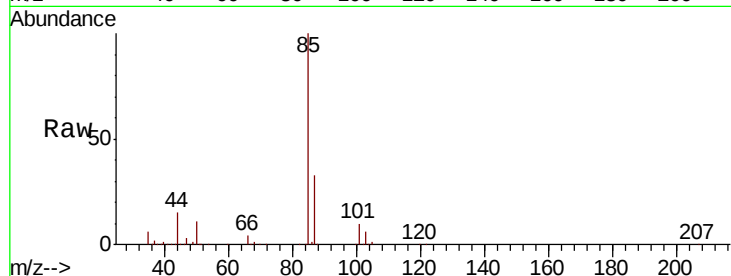
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 181957

Ion Ratio Lower Upper

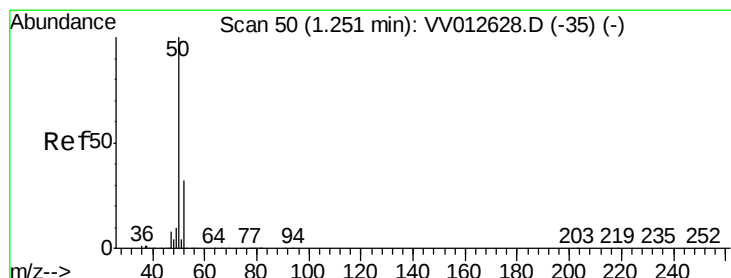
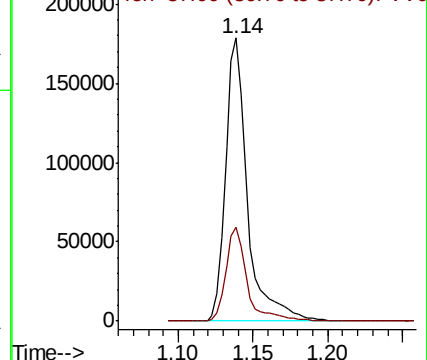
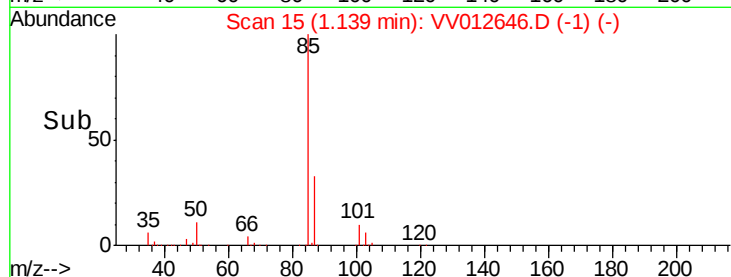
85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012646.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV012646.D (-1) (-)



#3

Chloromethane

Concen: 5.215 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012646.D

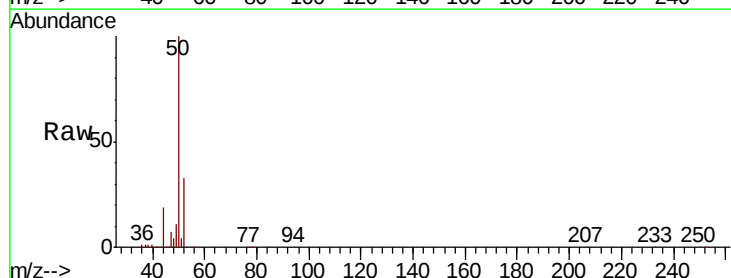
Acq: 10 Sep 2019 01:47

Tgt Ion: 50 Resp: 177631

Ion Ratio Lower Upper

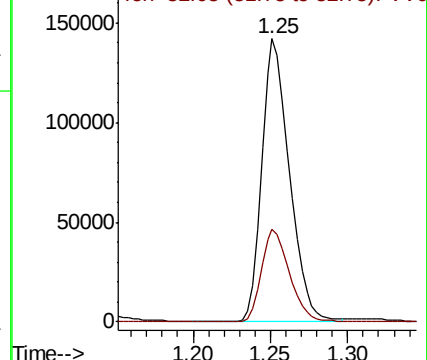
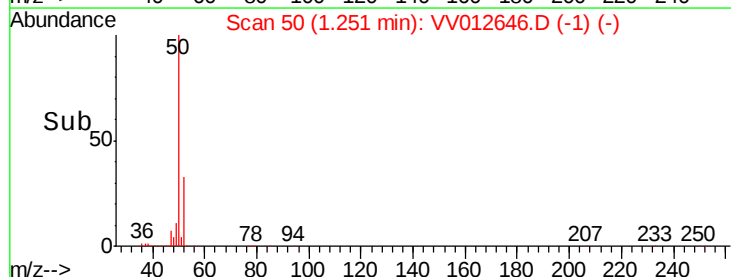
50 100

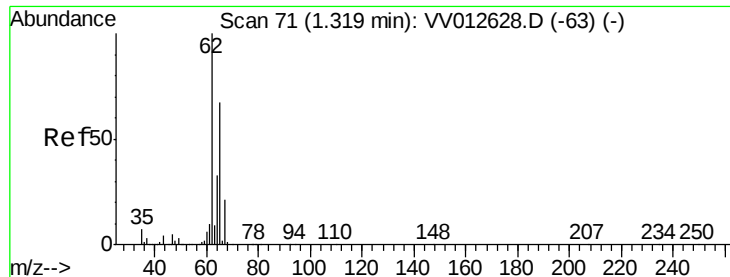
52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV012646.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV012646.D (-1) (-)





#5

Vinyl chloride

Concen: 5.334 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

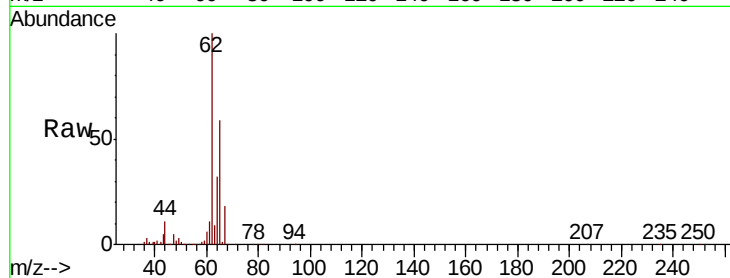
Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 185413

Ion	Ratio	Lower	Upper
62	100		
64	31.9	22.1	41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

150000

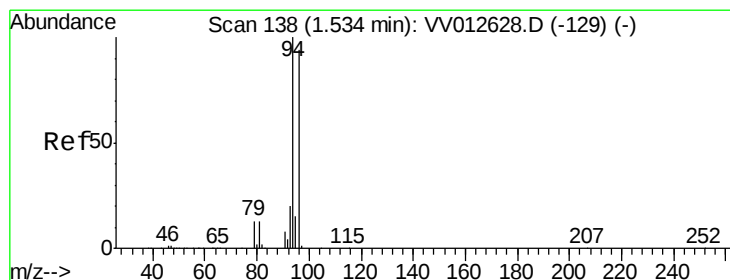
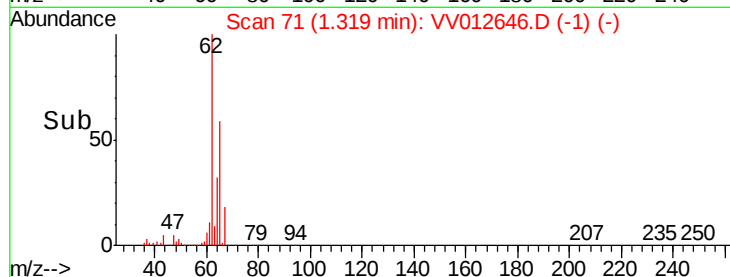
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.769 ug/L

RT: 1.53 min Scan# 138

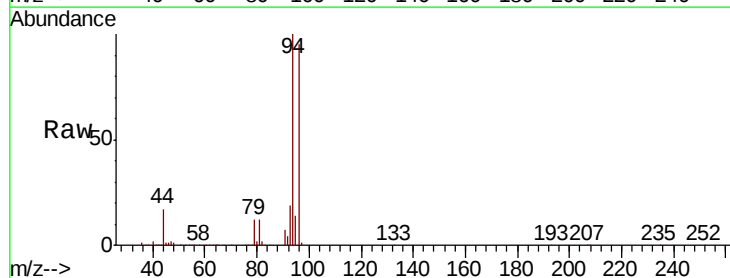
Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Tgt Ion: 94 Resp: 90885

Ion	Ratio	Lower	Upper
94	100		
96	94.5	65.0	120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

60000

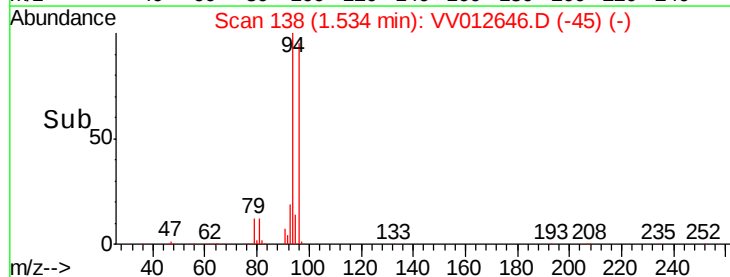
40000

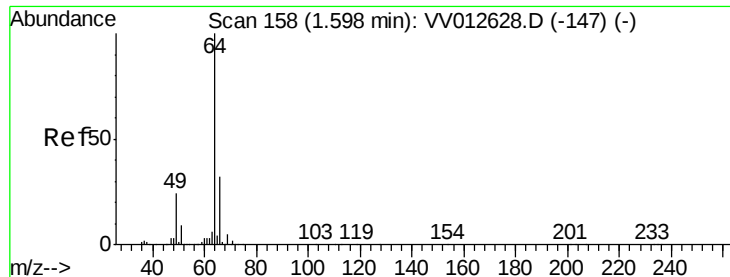
20000

0

Time-->

1.50 1.55 1.60

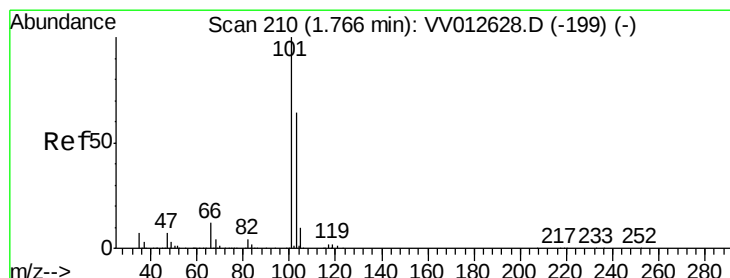
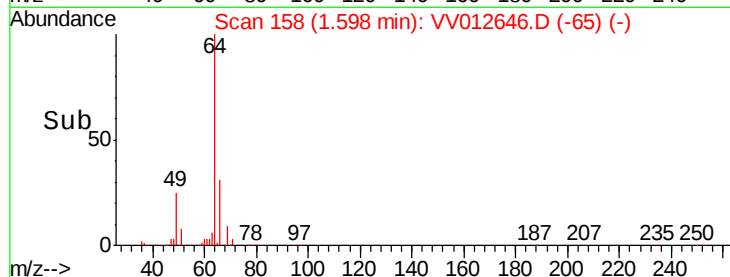
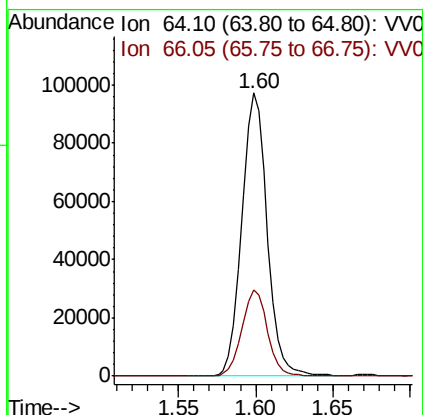
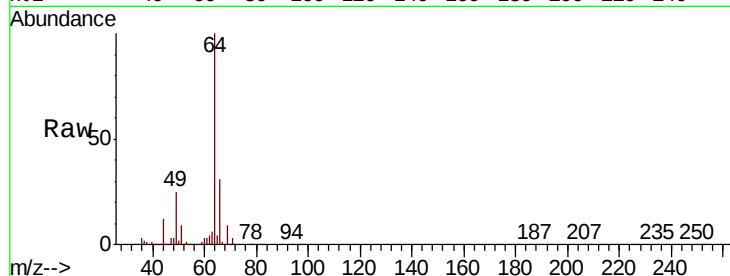




#8
Chloroethane
Concen: 5.350 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

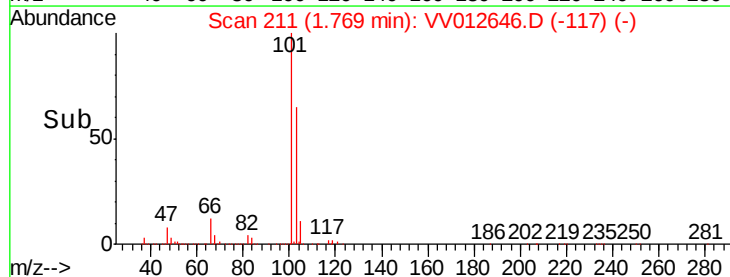
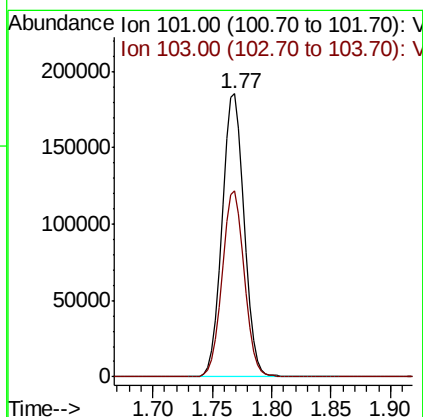
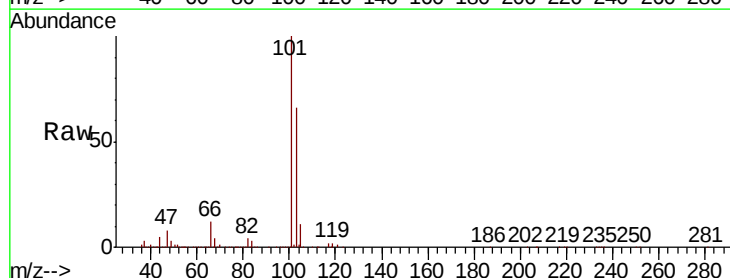
Instrument :
MSVOA_V
ClientSampled :

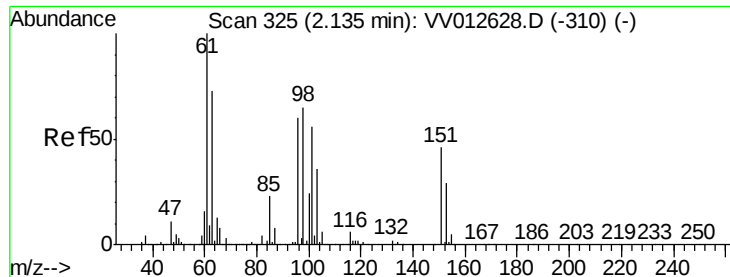
Tot Ion: 64 Resp: 109971
Ion Ratio Lower Upper
64 100
66 30.6 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.480 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Tgt Ion: 101 Resp: 239002
Ion Ratio Lower Upper
101 100
103 65.8 52.9 79.3





#10

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

Concen: 5.436 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

ClientSampled :

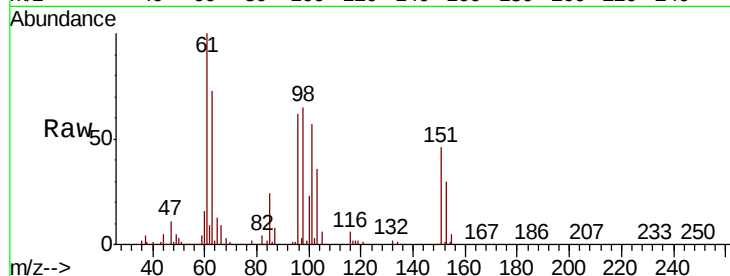
Tot Ion:101 Resp: 141828

Ion Ratio Lower Upper

101 100

85 41.4 33.0 49.6

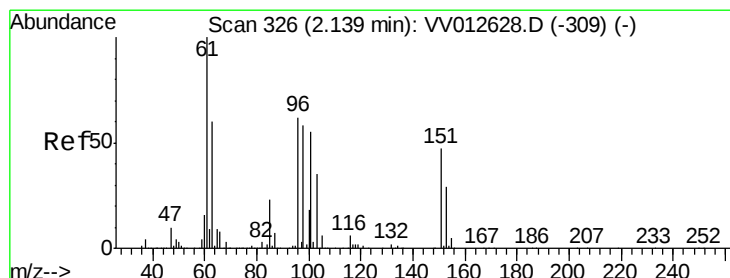
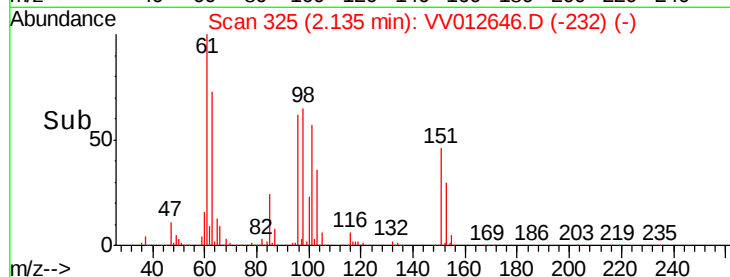
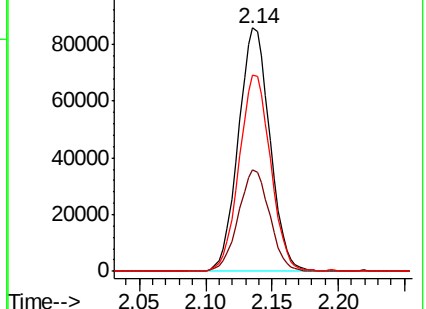
151 80.3 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): VV012628.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV012628.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV012628.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.393 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

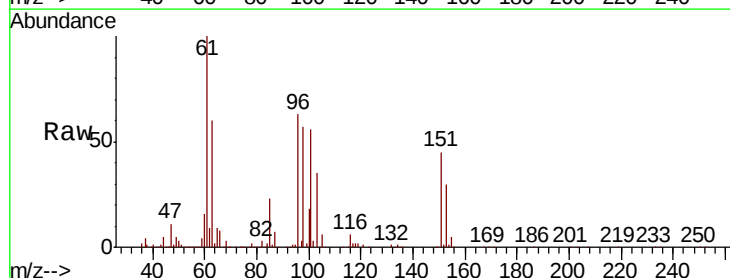
Tgt Ion: 96 Resp: 134006

Ion Ratio Lower Upper

96 100

61 157.6 115.8 215.0

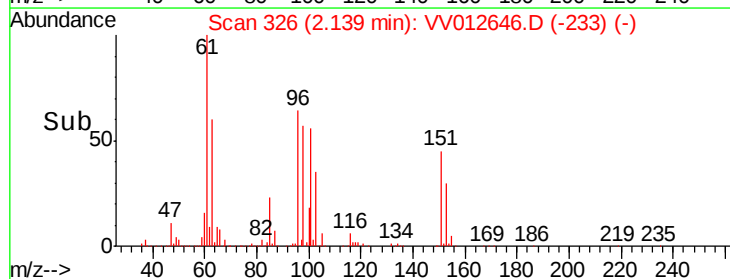
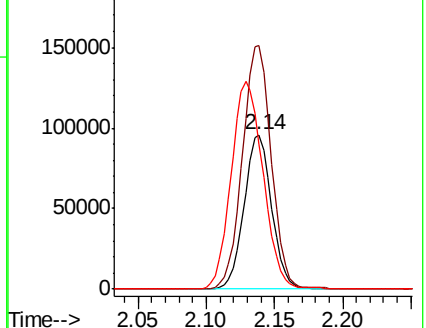
63 94.0 79.4 147.4

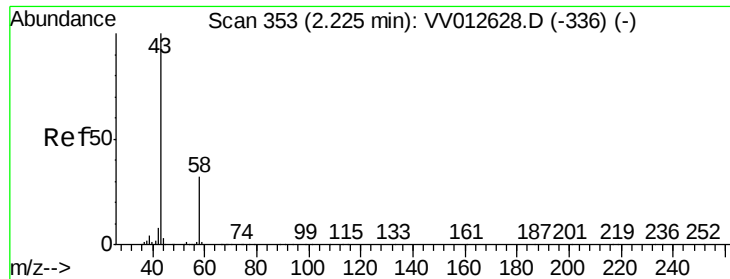


Abundance Ion 96.00 (95.70 to 96.70): VV012628.D (-309) (-)

Ion 61.05 (60.75 to 61.75): VV012628.D (-309) (-)

Ion 63.00 (62.70 to 63.70): VV012628.D (-309) (-)





#13

Acetone

Concen: 59.803 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

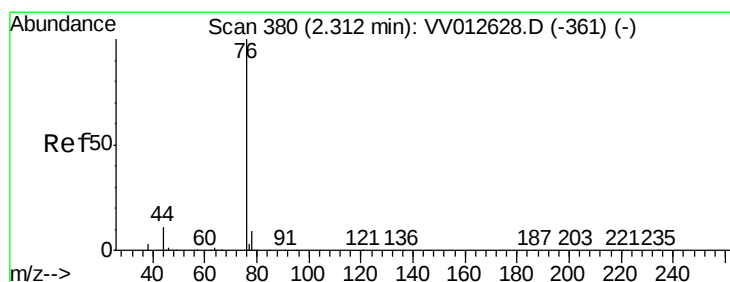
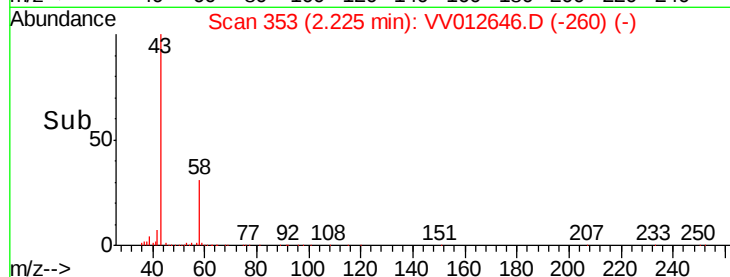
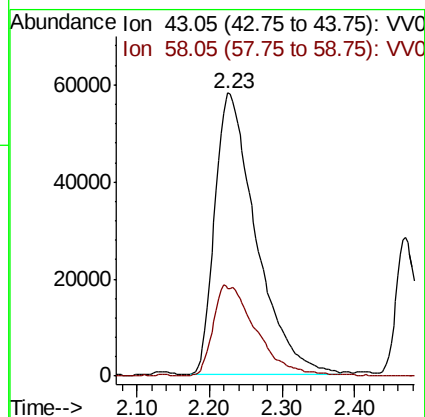
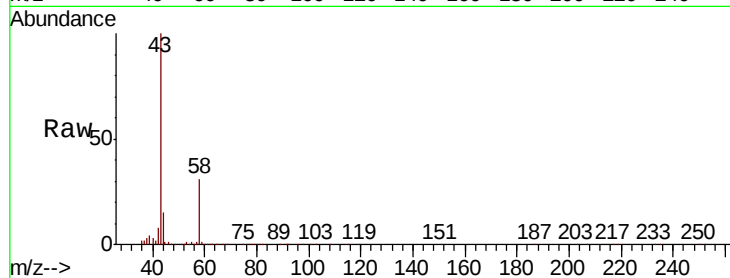
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 228891

Ion Ratio Lower Upper

43 100

58 32.6 0.0 67.4



#14

Carbon disulfide

Concen: 5.313 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012646.D

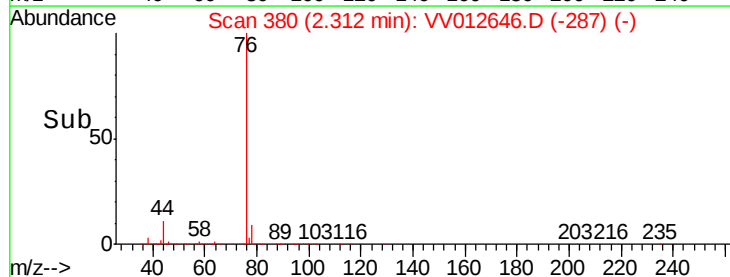
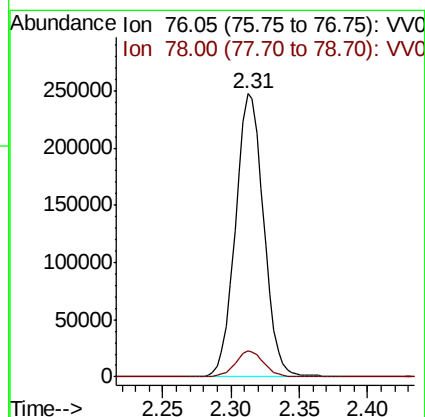
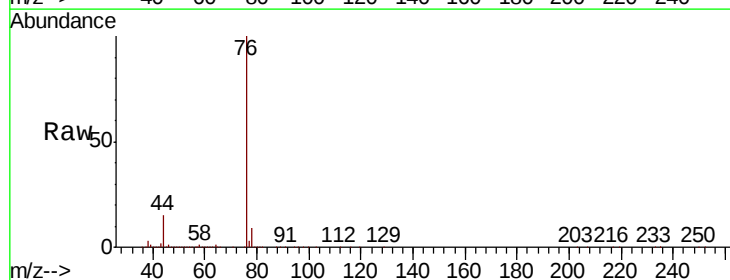
Acq: 10 Sep 2019 01:47

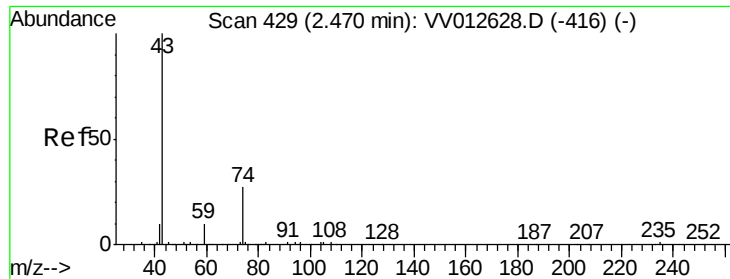
Tgt Ion: 76 Resp: 355091

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

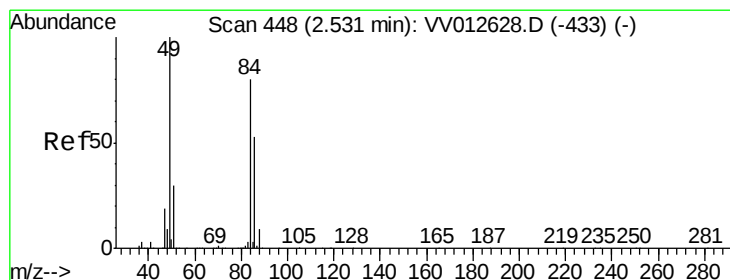
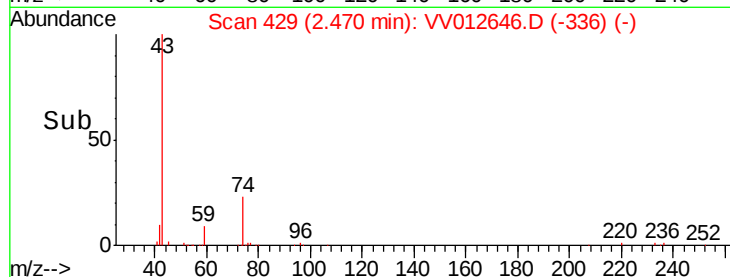
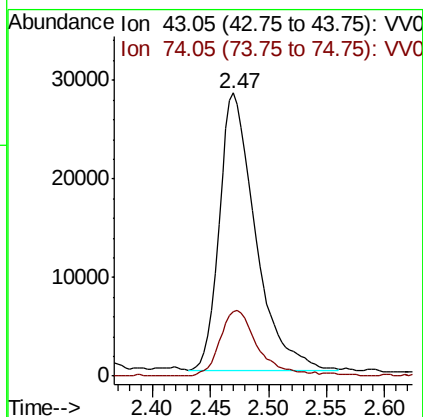
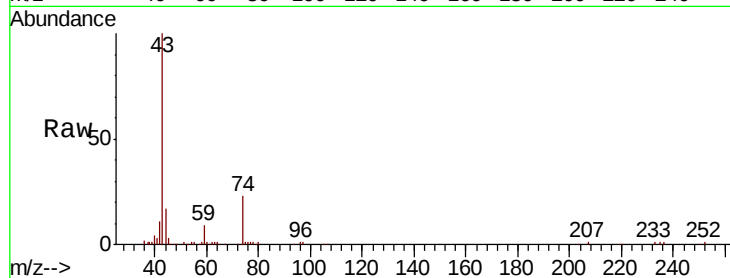




#15
Methvl Acetate
Concen: 5.905 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

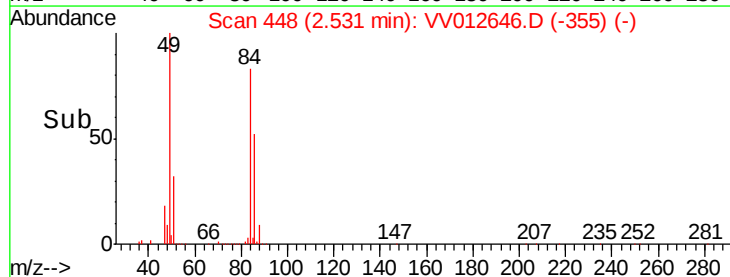
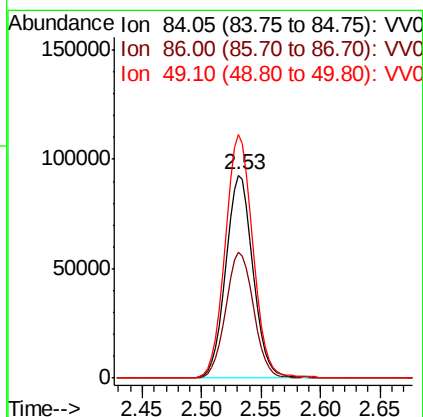
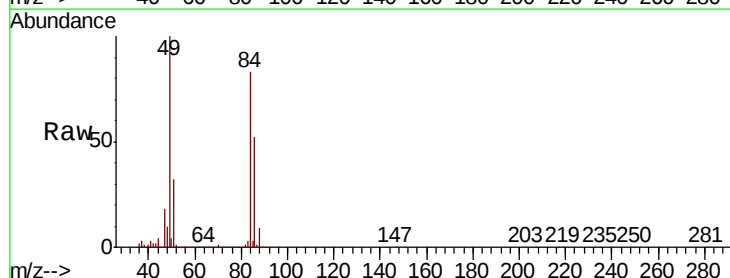
Instrument :
MSVOA_V
ClientSampleId :

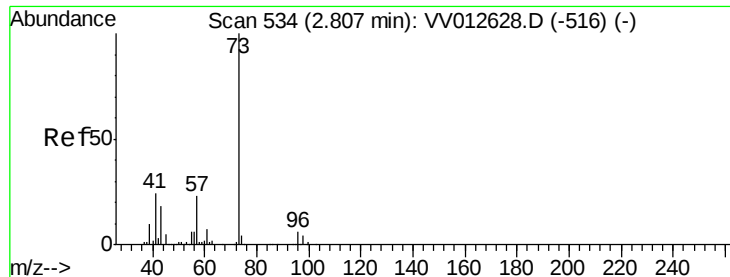
Tot Ion: 43 Resp: 60804
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.6



#16
Methylene chloride
Concen: 4.853 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Tgt Ion: 84 Resp: 147420
Ion Ratio Lower Upper
84 100
86 61.7 46.1 85.7
49 119.8 85.3 158.3

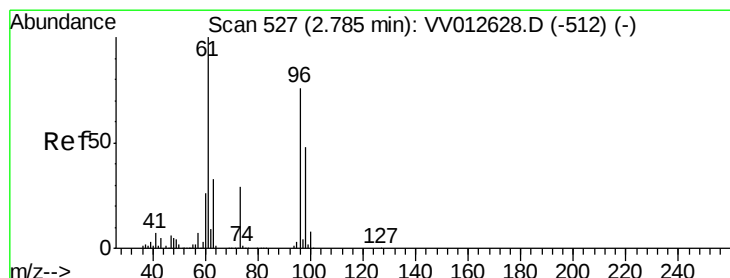
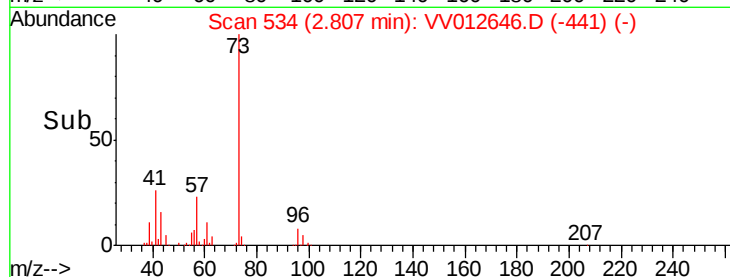
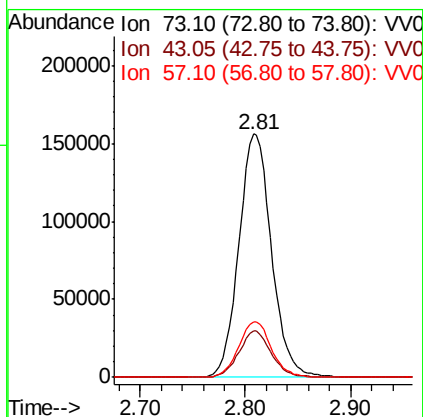
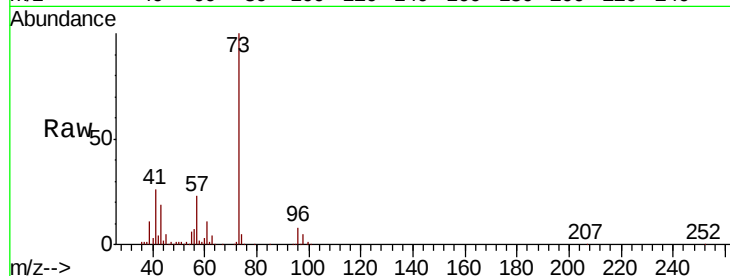




#17
Methvl tert-butvl Ether
Concen: 5.754 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

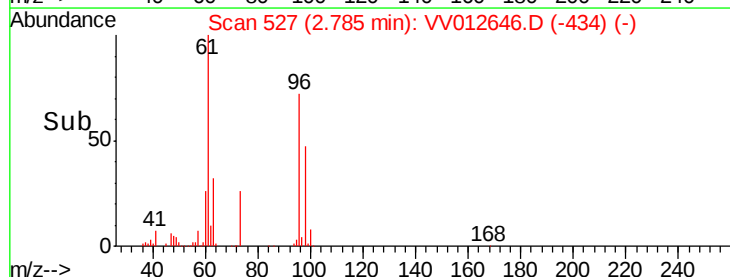
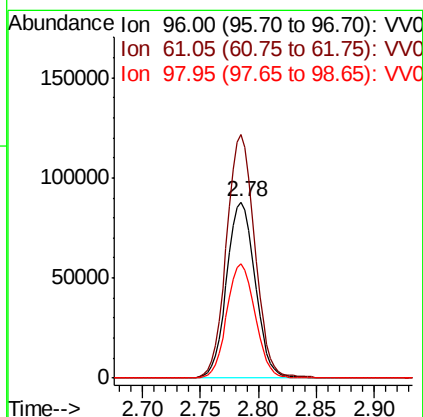
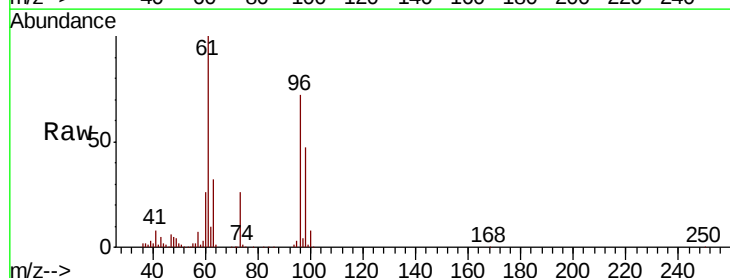
Instrument :
MSVOA_V
ClientSampleId :

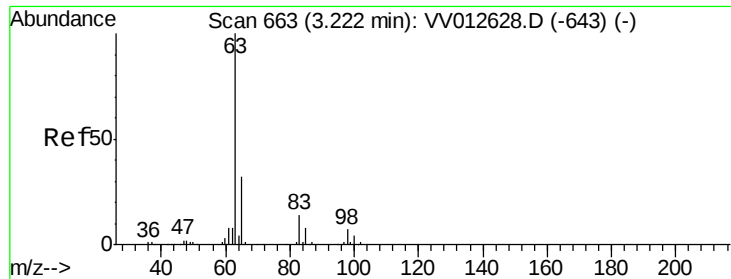
Tot Ion: 73 Resp: 335427
Ion Ratio Lower Upper
73 100
43 18.5 14.6 21.8
57 23.1 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.376 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Tgt Ion: 96 Resp: 150187
Ion Ratio Lower Upper
96 100
61 138.3 93.0 172.8
98 64.8 44.7 83.1

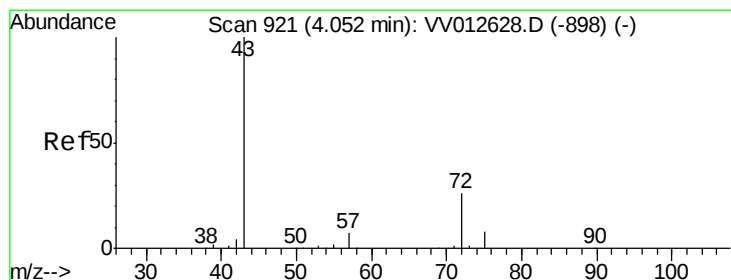
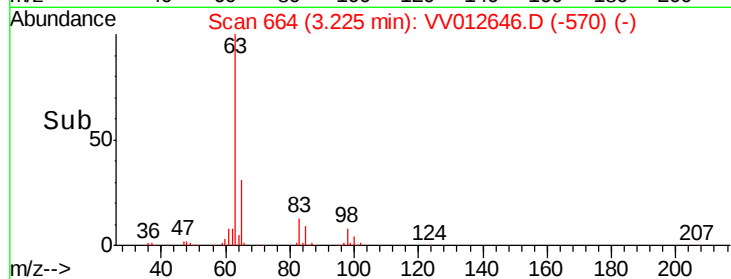
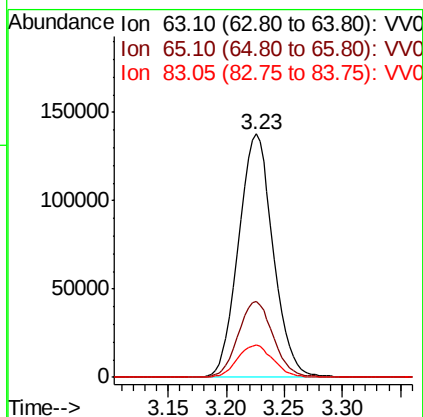
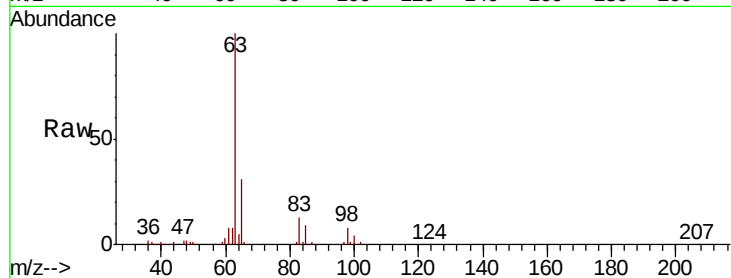




#19
 1,1-Dichloroethane
 Concen: 5.431 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

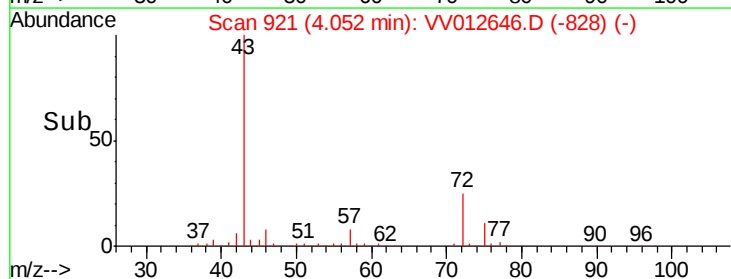
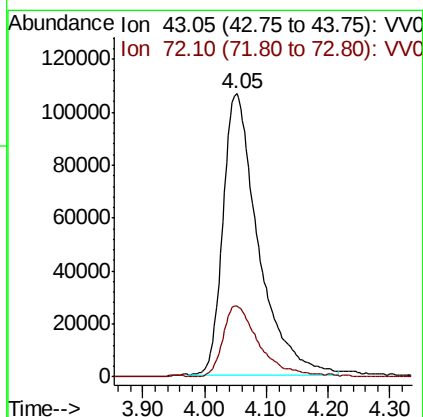
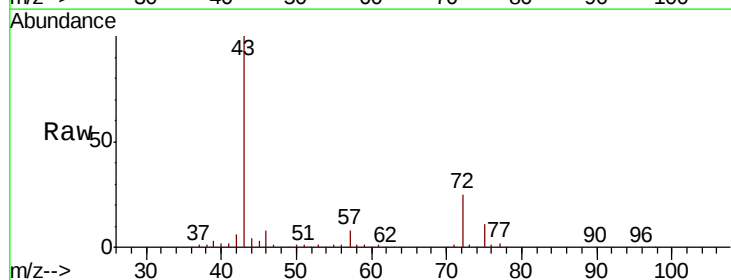
Instrument :
 MSVOA_V
 ClientSampled :

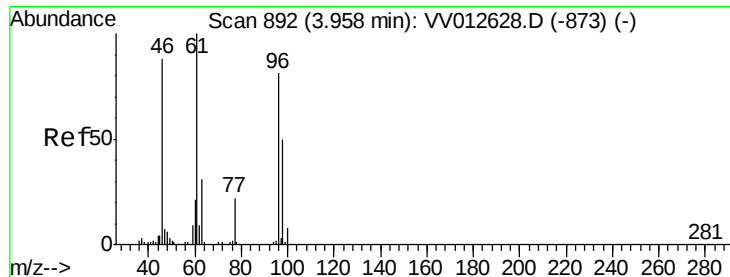
Tot Ion: 63 Resp: 285649
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.3
 83 13.1 9.1 16.9



#21
 2-Butanone
 Concen: 63.963 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Tgt Ion: 43 Resp: 419818
 Ion Ratio Lower Upper
 43 100
 72 25.4 13.0 38.9



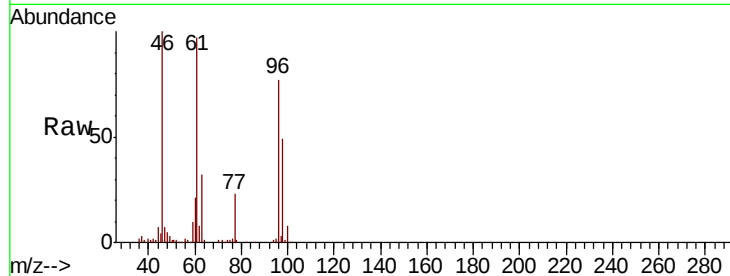


#22

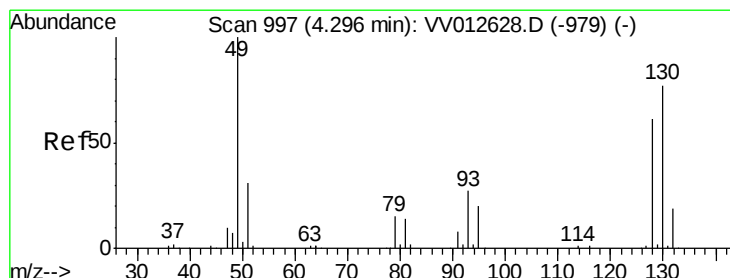
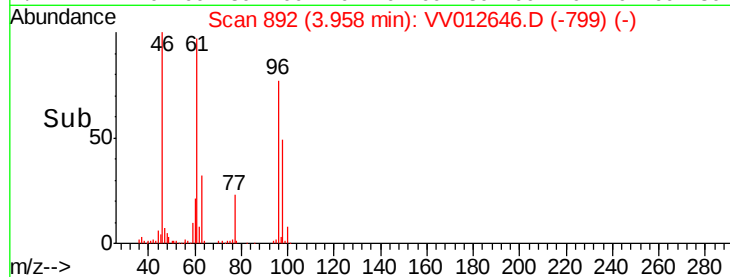
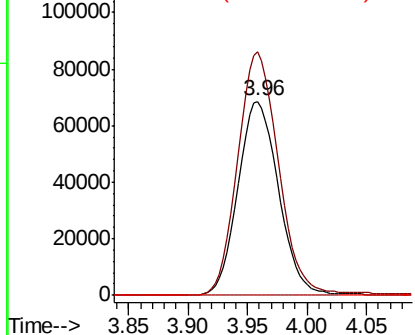
cis-1,2-Dichloroethene
 Concen: 5.351 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 162406
 Ion Ratio Lower Upper
 96 100
 61 125.6 89.7 166.5
 68 0.0 0.0 0.0



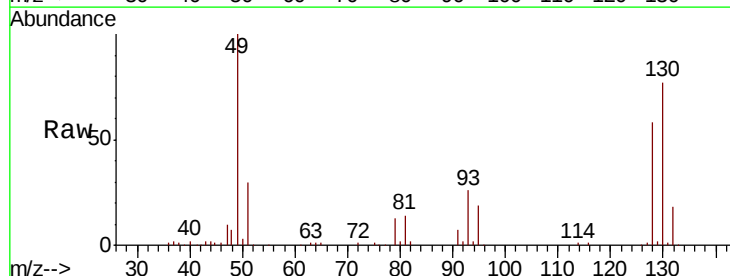
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



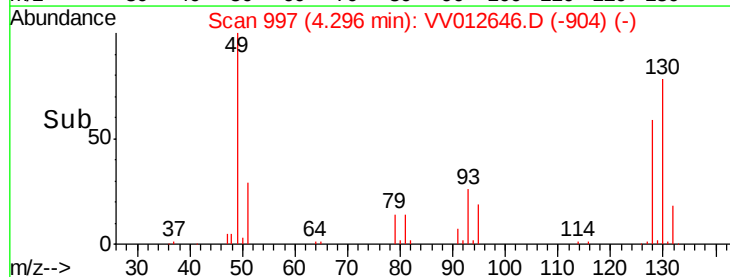
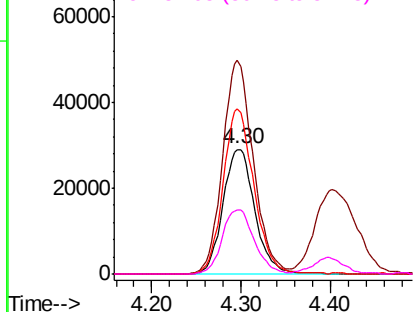
#23

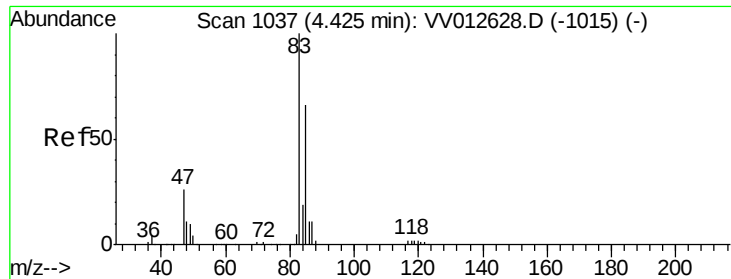
Bromochloromethane
 Concen: 5.542 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Tgt Ion: 128 Resp: 71881
 Ion Ratio Lower Upper
 128 100
 49 171.5 115.2 214.0
 130 132.6 92.9 172.5
 51 51.3 40.8 61.2



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

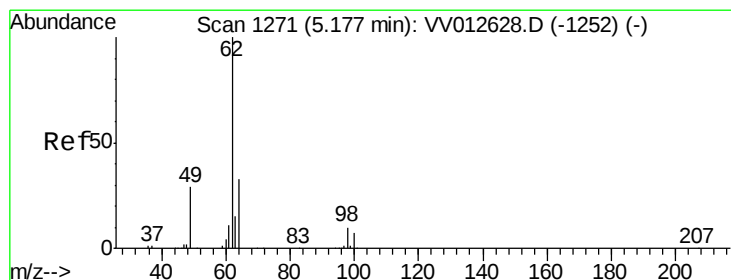
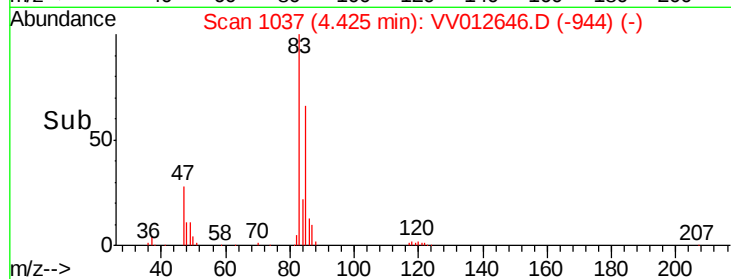
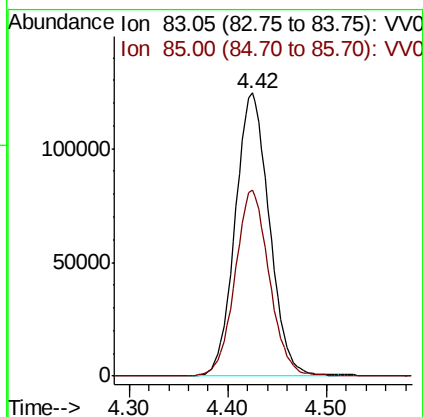
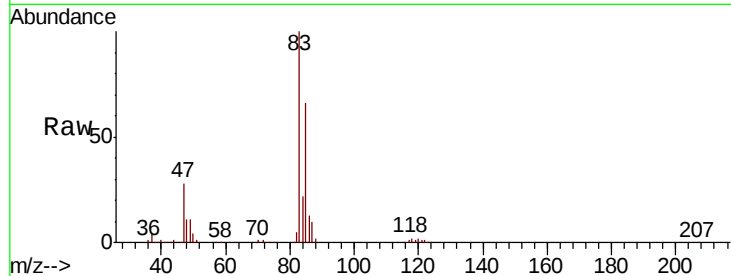




#25
Chloroform
Concen: 5.164 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

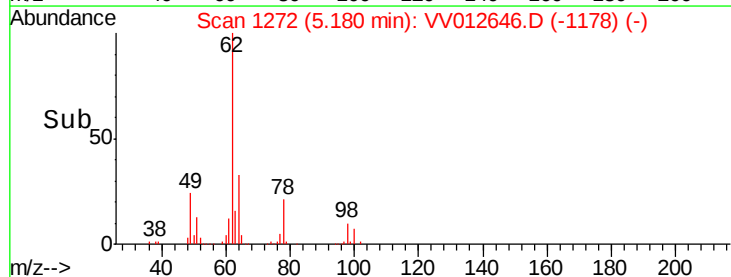
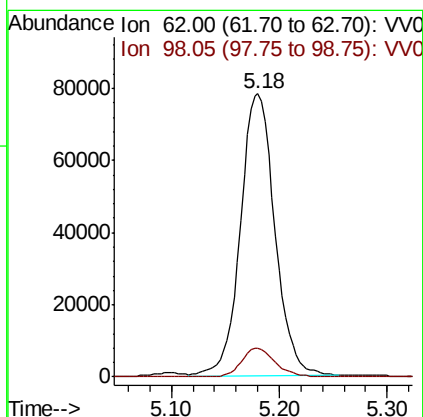
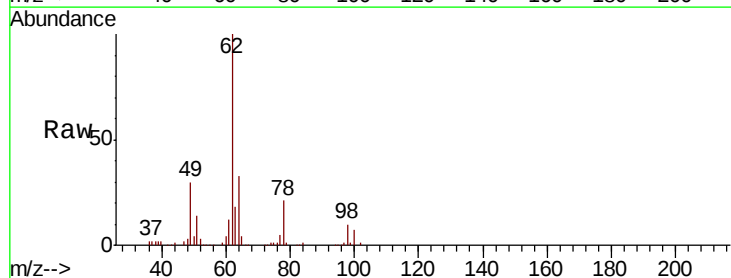
Instrument :
MSVOA_V
ClientSampled :

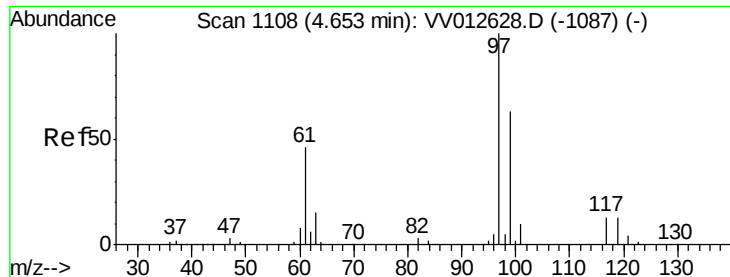
Tot Ion: 83 Resp: 299129
Ion Ratio Lower Upper
83 100
85 65.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.698 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Tgt Ion: 62 Resp: 173017
Ion Ratio Lower Upper
62 100
98 10.2 8.4 12.6

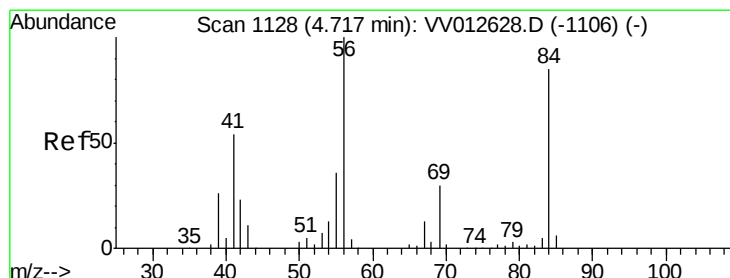
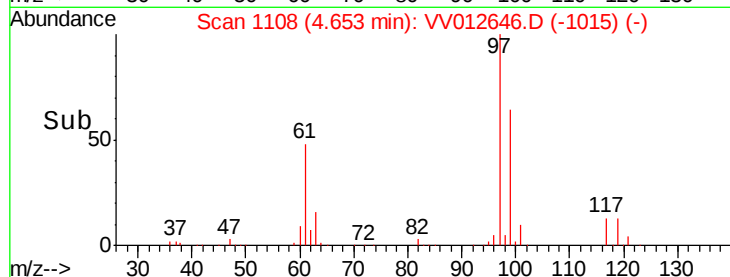
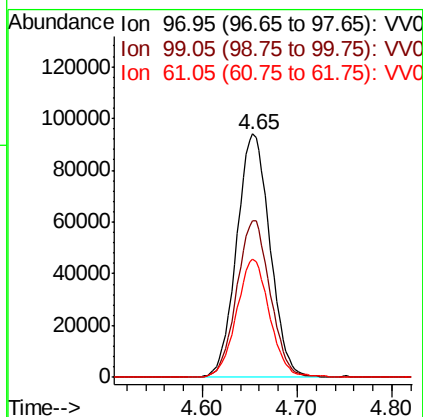
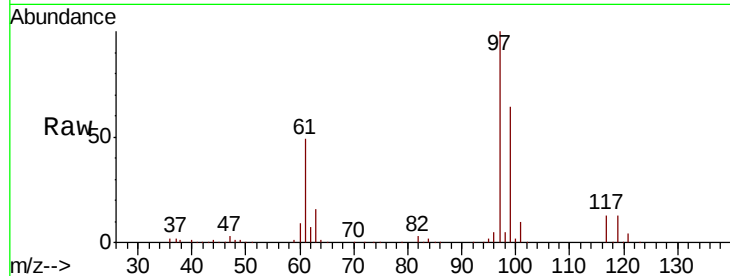




#29
 1,1,1-Trichloroethane
 Concen: 5.283 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

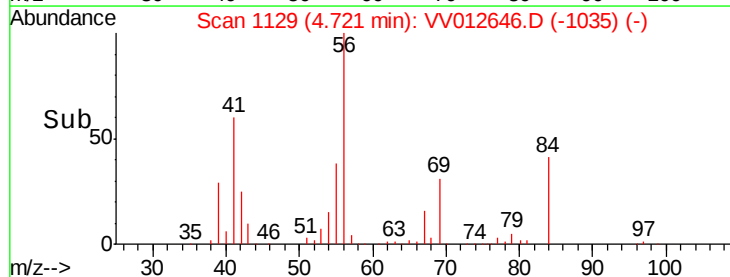
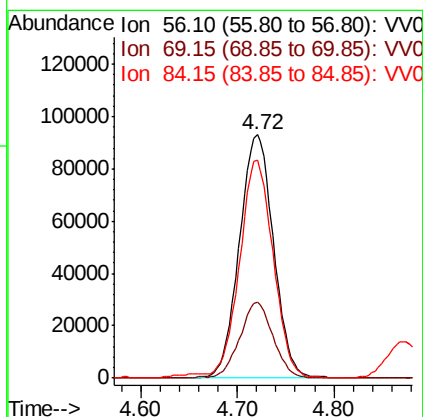
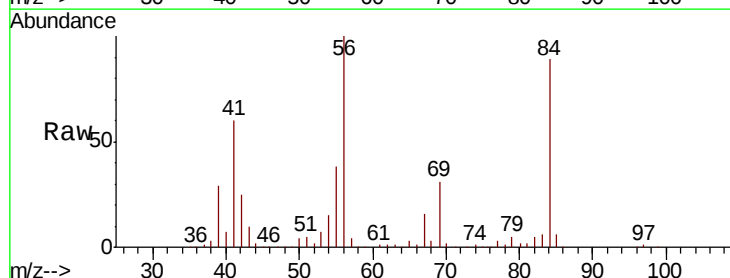
Instrument :
 MSVOA_V
 ClientSampleId :

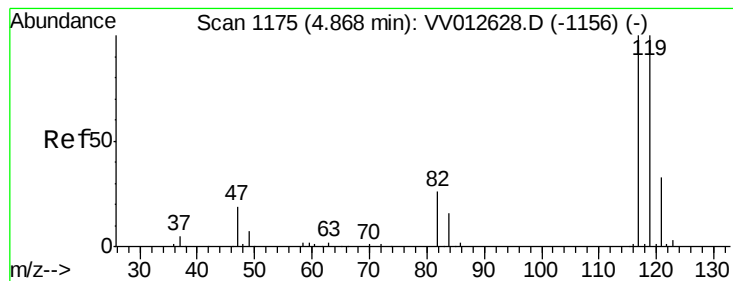
Tot Ion: 97 Resp: 230504
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.6 77.4
 61 48.2 37.5 56.3



#30
 Cyclohexane
 Concen: 5.266 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Tgt Ion: 56 Resp: 228728
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.8 35.8
 84 87.6 70.1 105.1





#31

Carbon tetrachloride

Concen: 5.381 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

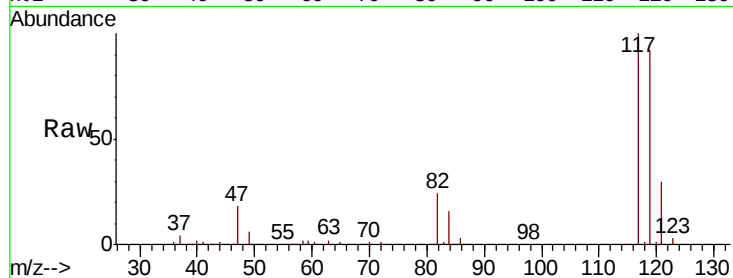
ClientSampleId :

Tot Ion:117 Resp: 206816

Ion Ratio Lower Upper

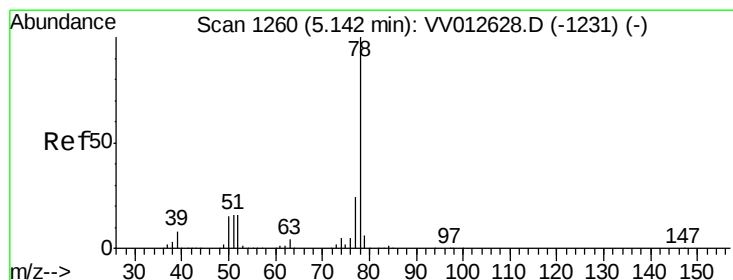
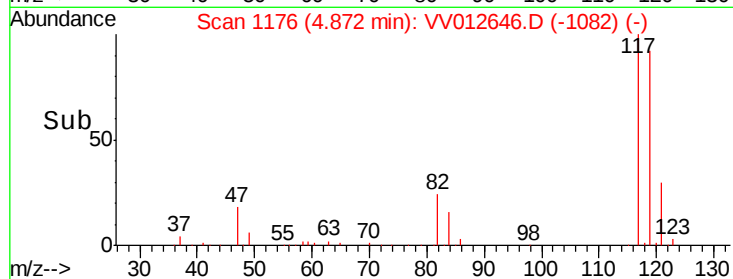
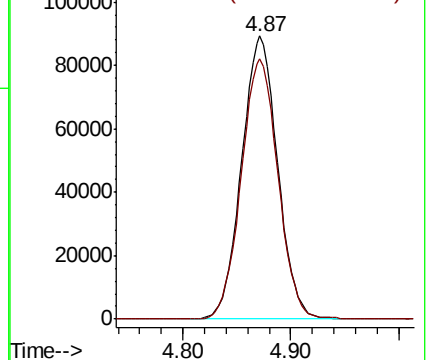
117 100

119 93.9 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.468 ug/L

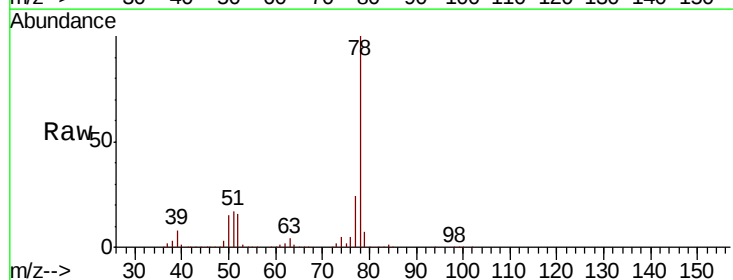
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

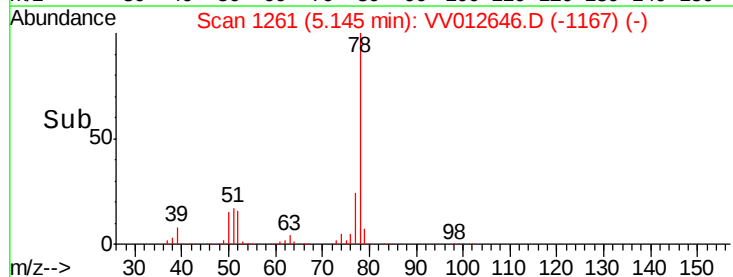
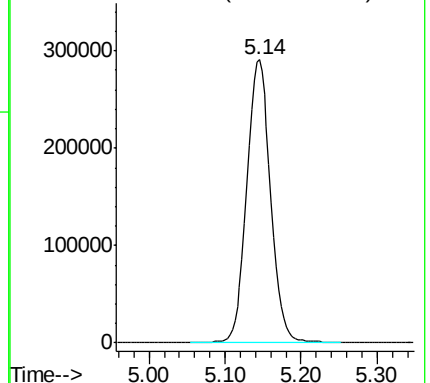
Lab File: VV012646.D

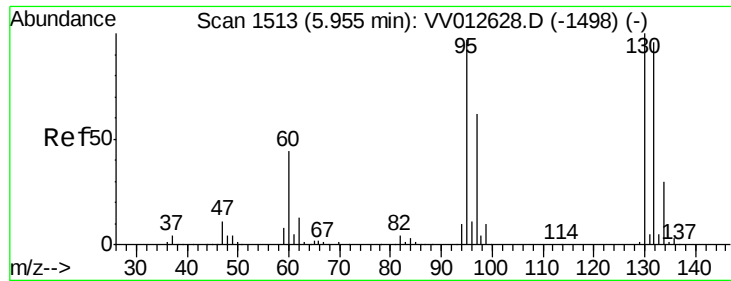
Acq: 10 Sep 2019 01:47

Tgt Ion: 78 Resp: 633548



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.251 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 168121

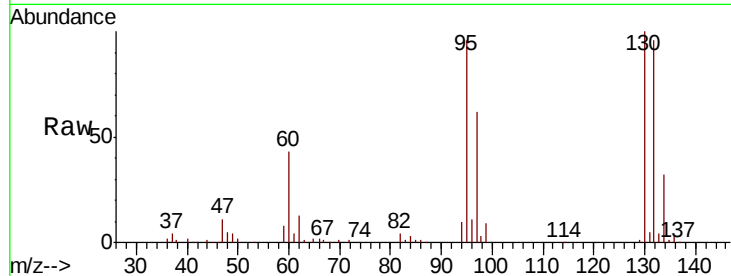
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 100.3 70.2 130.4

130 104.5 74.2 137.8

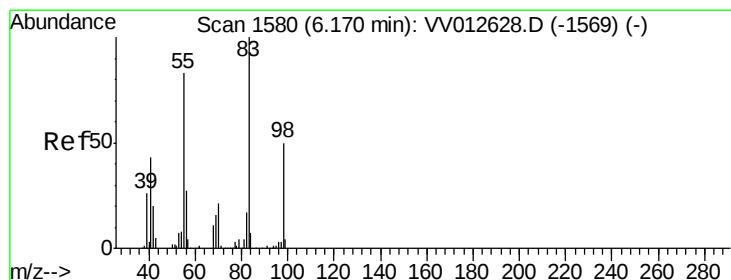
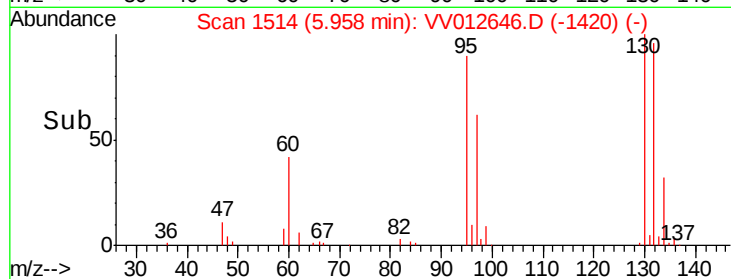
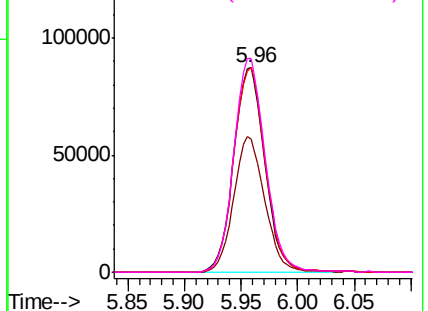


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.223 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

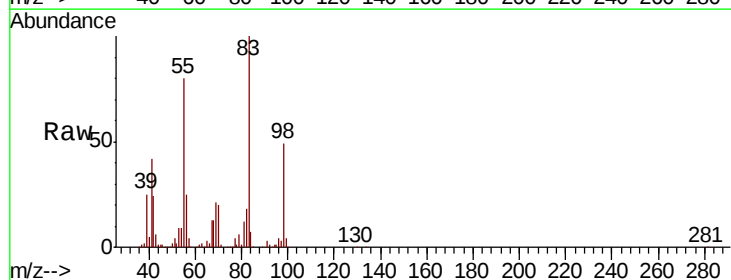
Tgt Ion: 83 Resp: 236317

Ion Ratio Lower Upper

83 100

55 80.0 63.0 94.4

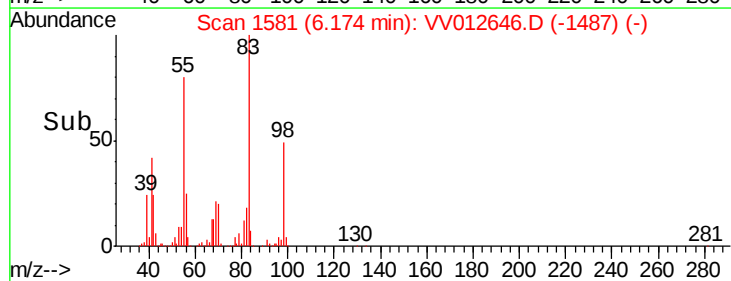
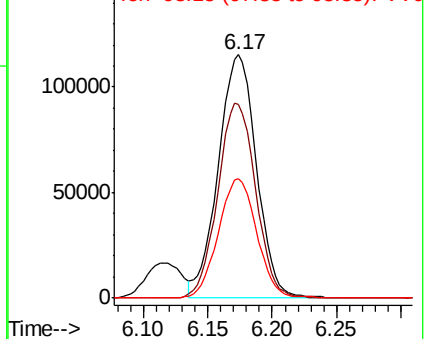
98 49.8 39.8 59.8

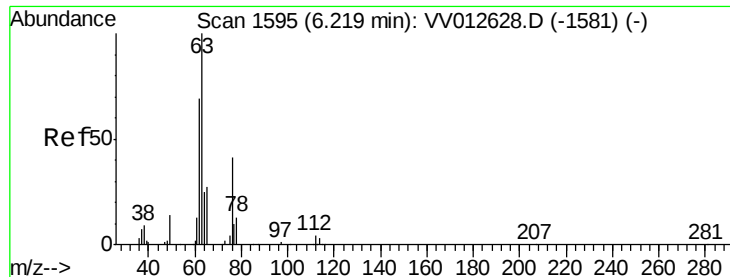


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.533 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

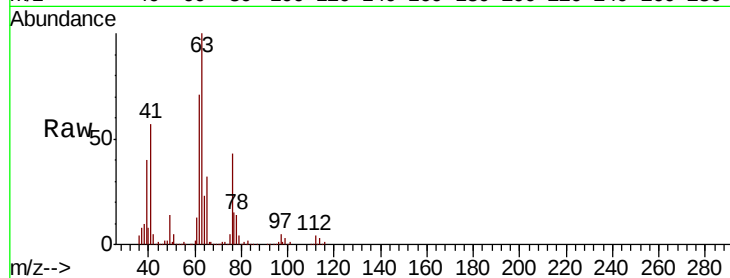
ClientSampleId :

Tot Ion: 63 Resp: 159658

Ion Ratio Lower Upper

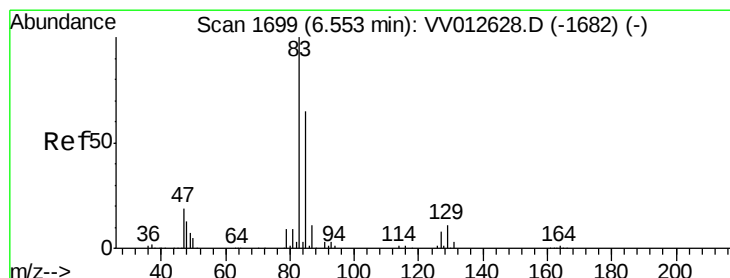
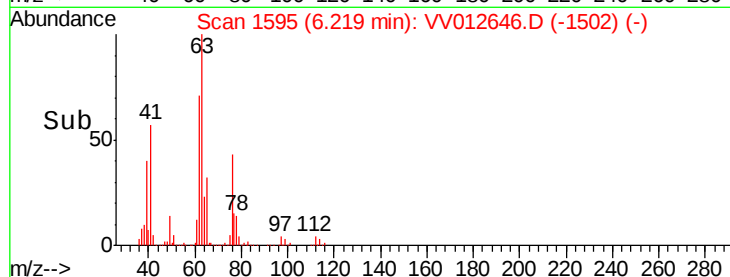
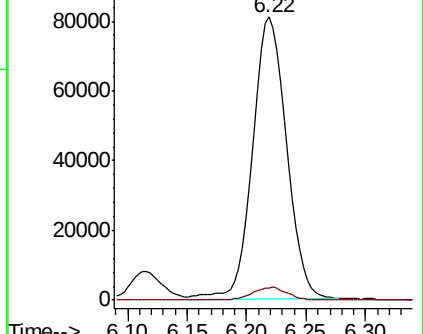
63 100

112 4.7 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV012628.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012628.D (-1581) (-)



#38

Bromodichloromethane

Concen: 5.358 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

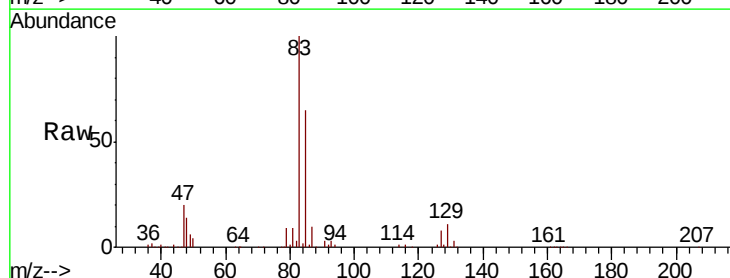
Tgt Ion: 83 Resp: 200225

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

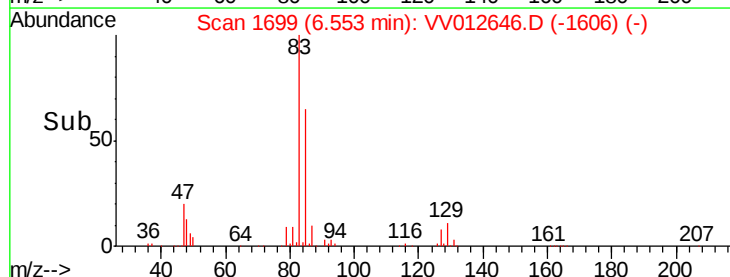
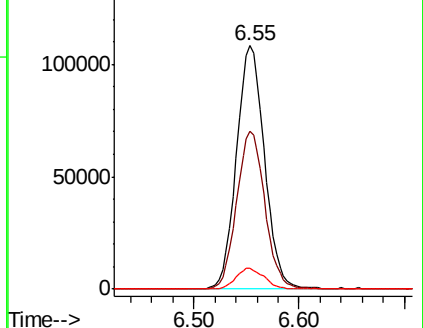
127 8.3 6.8 10.2

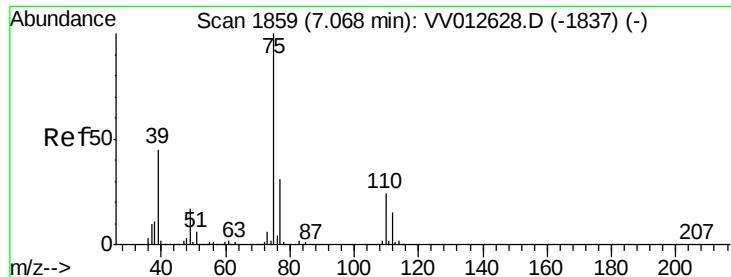


Abundance Ion 82.95 (82.65 to 83.65): VV012628.D (-1682) (-)

Ion 85.00 (84.70 to 85.70): VV012628.D (-1682) (-)

Ion 126.90 (126.60 to 127.60): VV012628.D (-1682) (-)

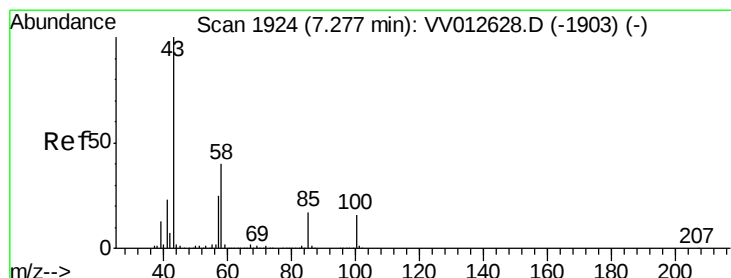
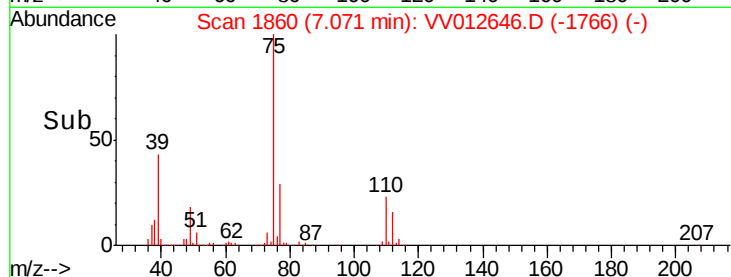
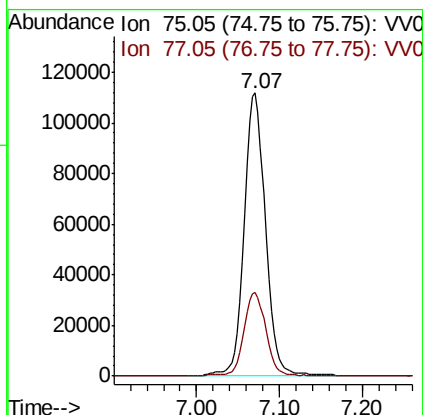
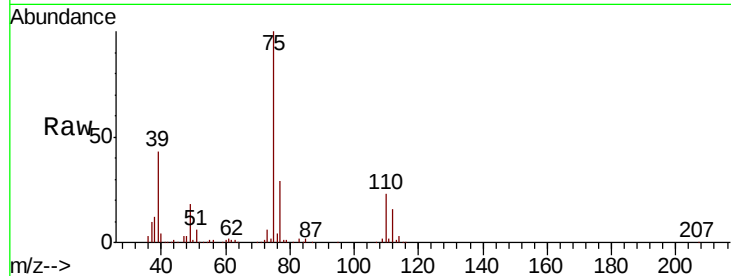




#39
 cis-1,3-Dichloropropene
 Concen: 5.299 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

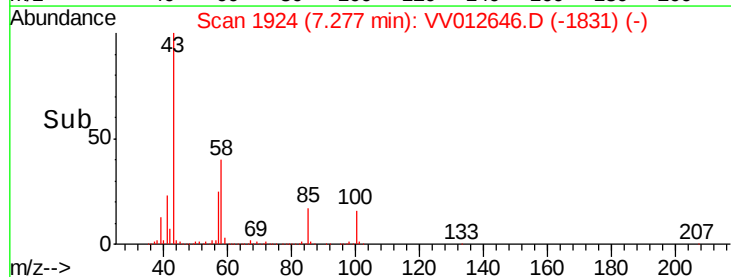
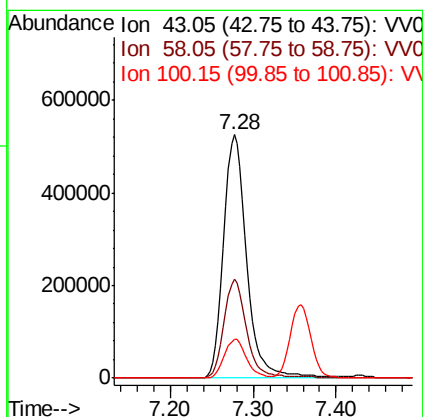
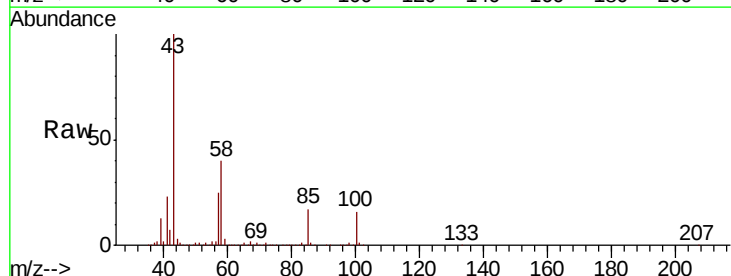
Instrument :
 MSVOA_V
 ClientSampleId :

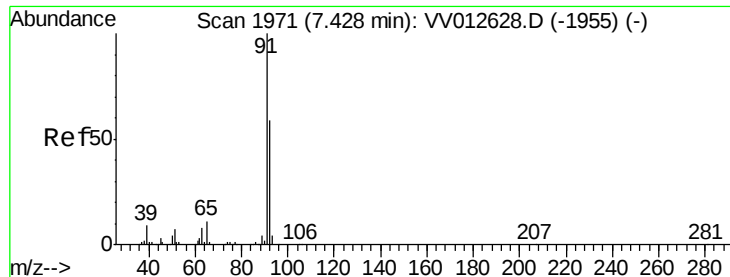
Tot Ion: 75 Resp: 200594
 Ion Ratio Lower Upper
 75 100
 77 29.4 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 63.529 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Tgt Ion: 43 Resp: 1016238
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.4 47.0
 100 15.3 12.6 18.8





#42

Toluene

Concen: 5.591 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

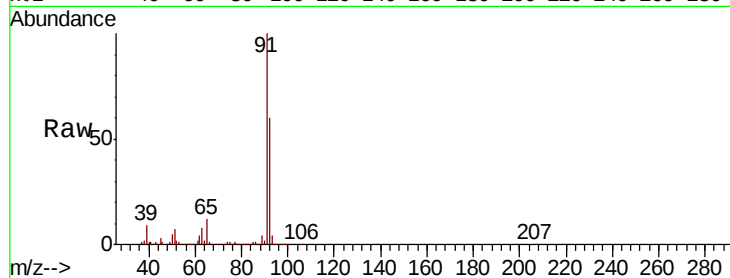
ClientSampleId :

Tot Ion: 91 Resp: 672942

Ion Ratio Lower Upper

91 100

92 59.6 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

400000

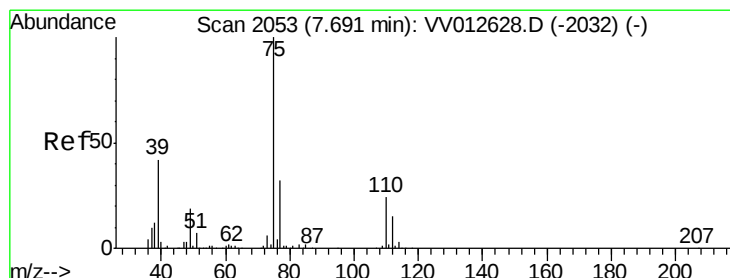
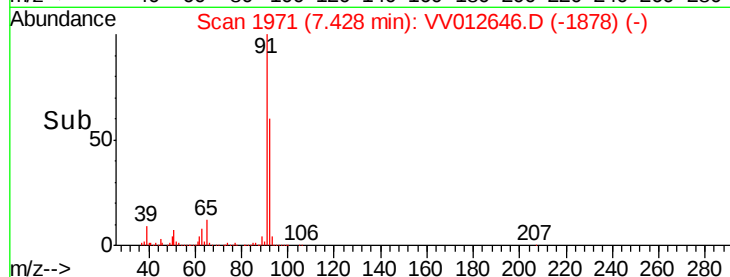
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.424 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012646.D

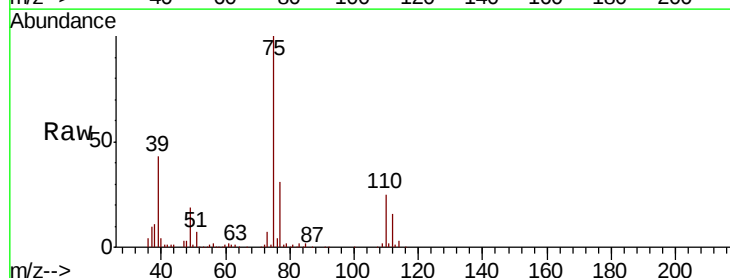
Acq: 10 Sep 2019 01:47

Tgt Ion: 75 Resp: 154848

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

100000

80000

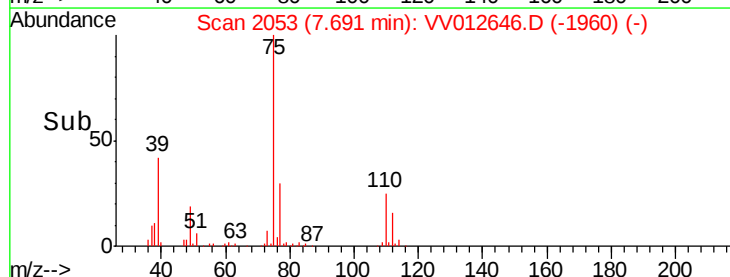
60000

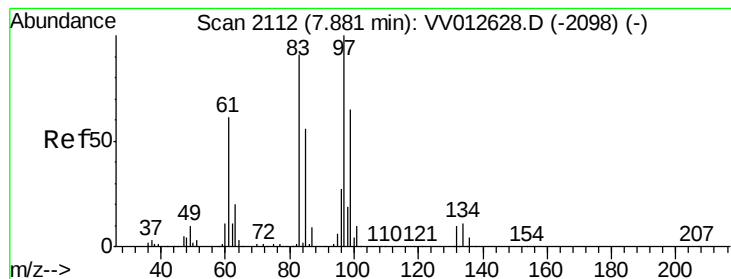
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.652 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 113592

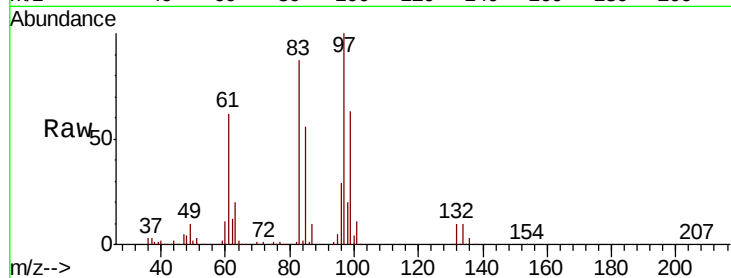
Ion Ratio Lower Upper

97 100

99 63.1 44.2 82.0

83 87.0 60.8 112.8

85 56.1 38.6 71.6

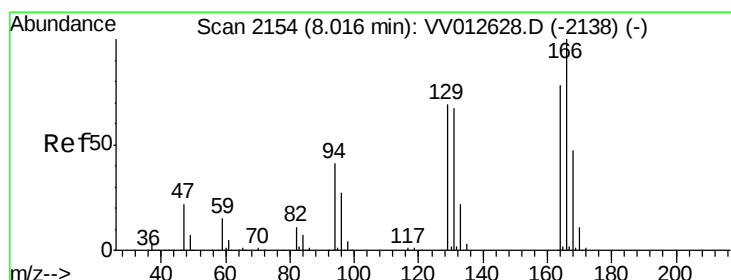
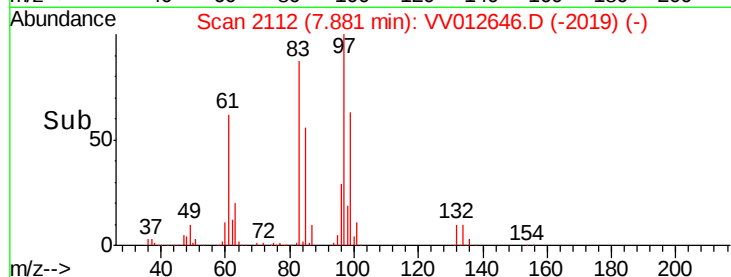
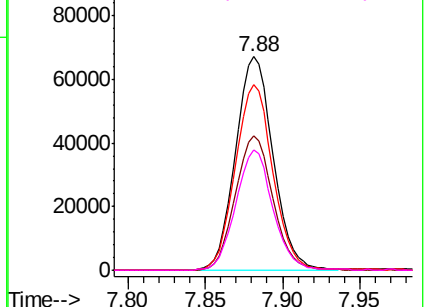


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.332 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Tgt Ion: 164 Resp: 133995

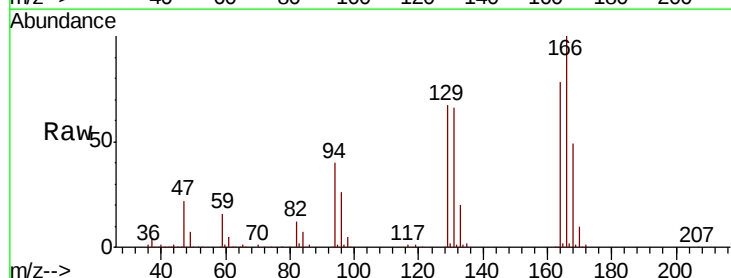
Ion Ratio Lower Upper

164 100

129 85.7 61.9 114.9

131 85.0 59.7 110.9

166 128.2 90.4 167.8

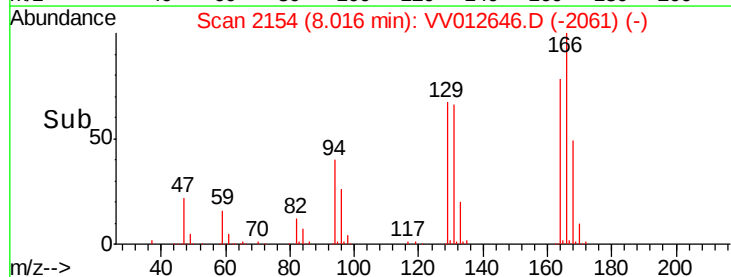
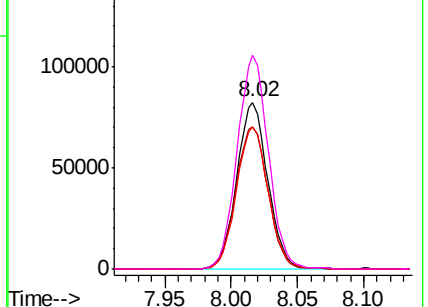


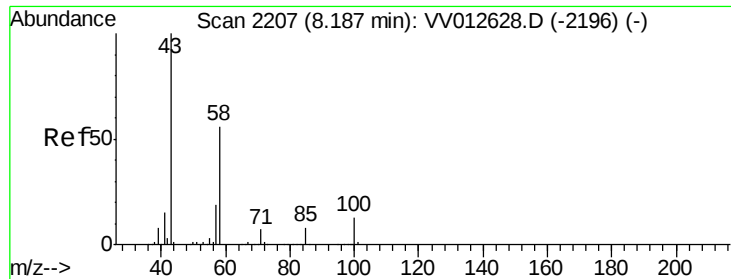
Abundance Ion 163.90 (163.60 to 164.60): V

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

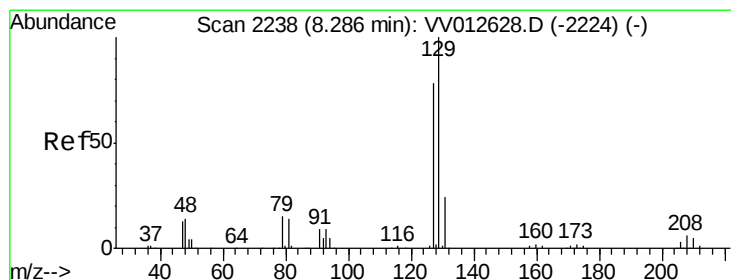
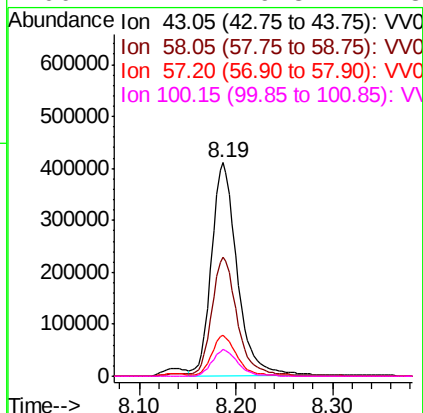
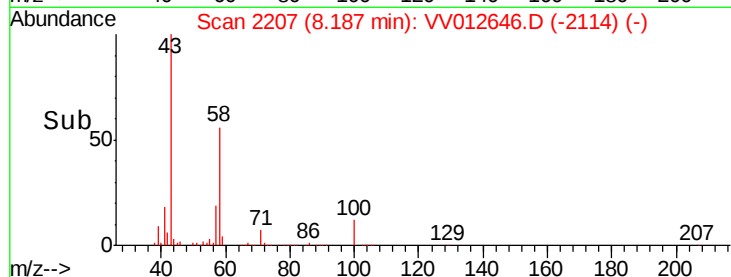
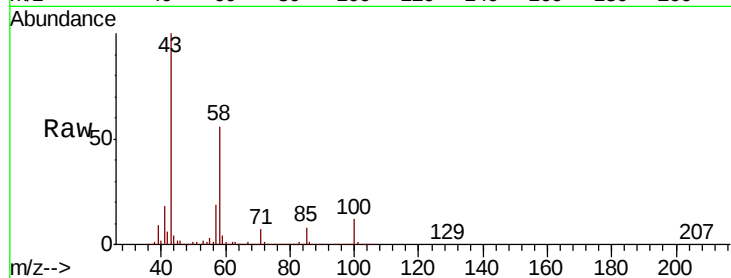




#48
2-Hexanone
Concen: 66.099 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

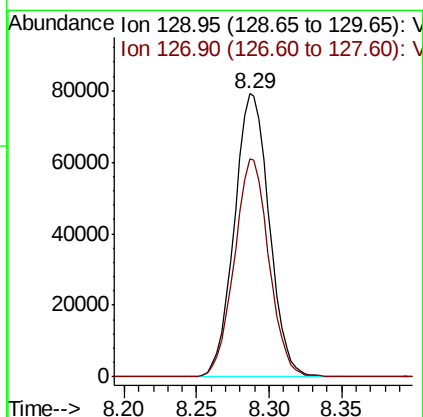
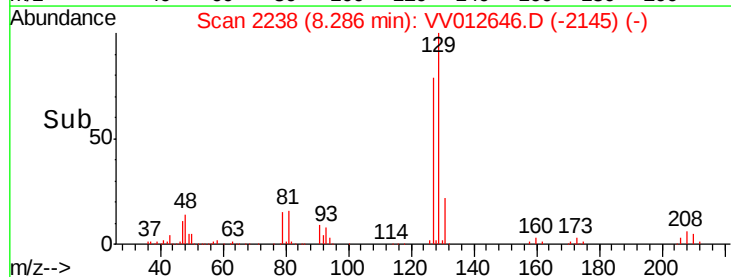
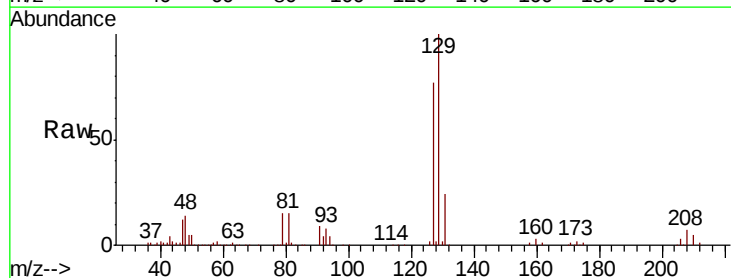
Instrument :
MSVOA_V
ClientSampleId :

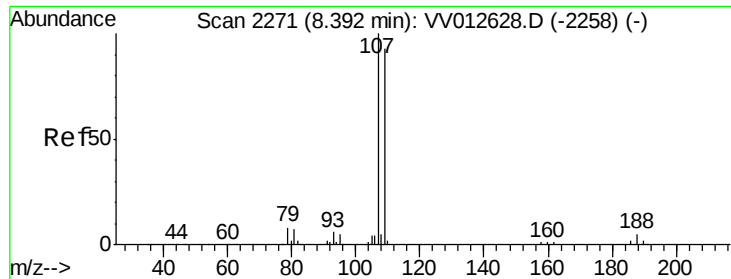
Tot Ion: 43 Resp: 756575
Ion Ratio Lower Upper
43 100
58 55.3 44.8 67.2
57 18.9 14.9 22.3
100 12.2 9.8 14.8



#49
Dibromochloromethane
Concen: 5.527 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Tgt Ion: 129 Resp: 132126
Ion Ratio Lower Upper
129 100
127 77.0 53.5 99.5

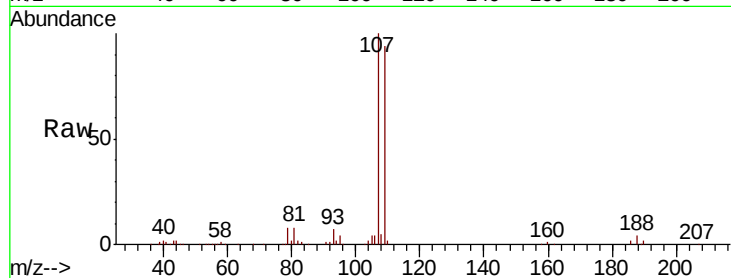




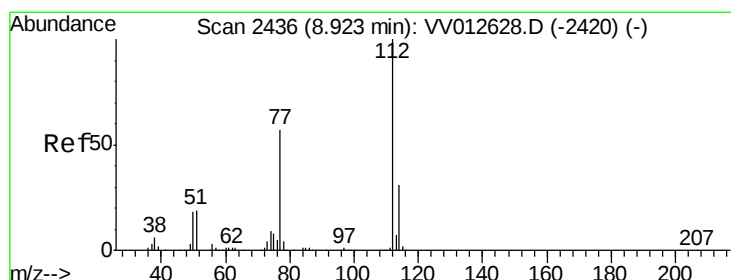
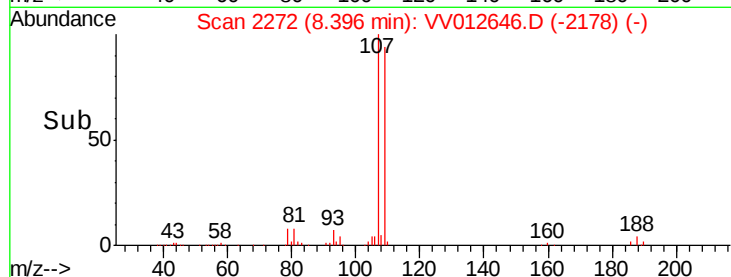
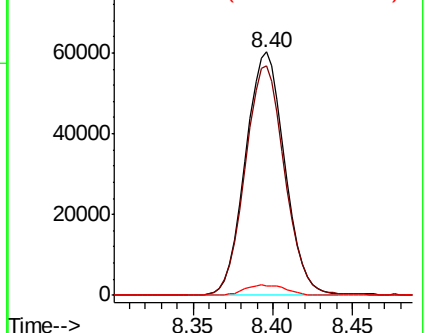
#50
1,2-Dibromoethane
Concen: 5.670 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 100988
Ion Ratio Lower Upper
107 100
109 94.4 67.7 125.7
188 4.1 3.3 4.9

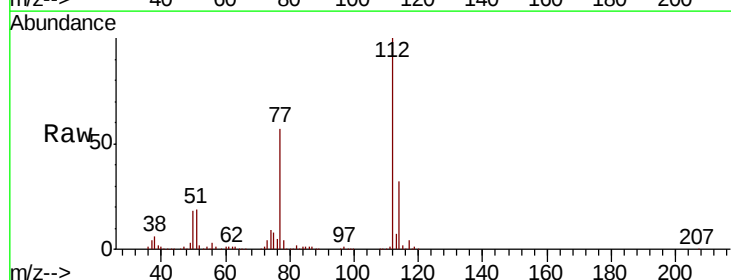


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

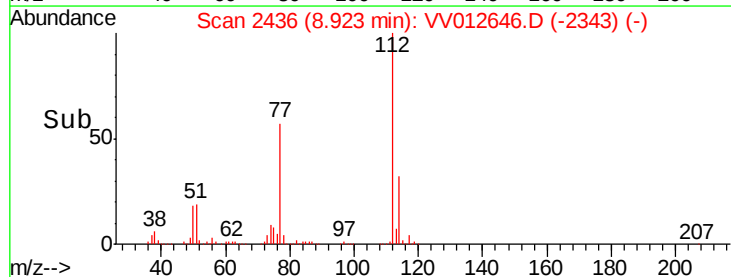
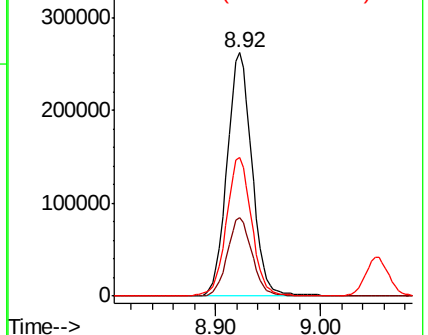


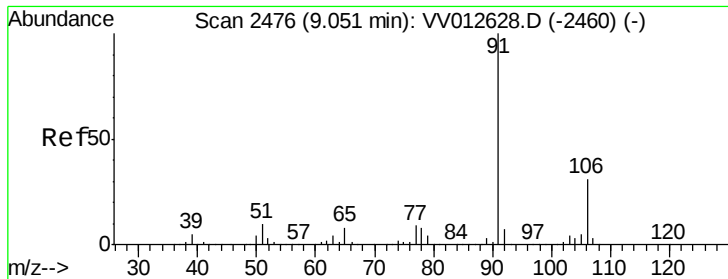
#51
Chlorobenzene
Concen: 5.408 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012646.D
Acq: 10 Sep 2019 01:47

Tgt Ion:112 Resp: 427907
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 57.1 46.2 69.2



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





#52

Ethylbenzene

Concen: 5.439 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

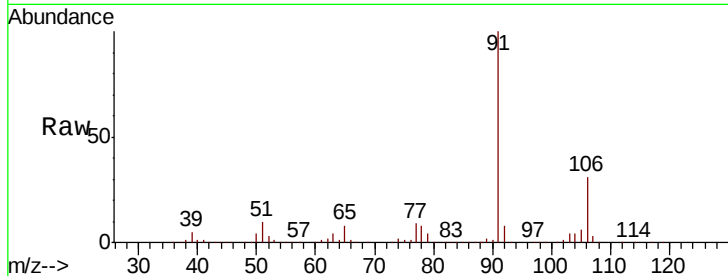
ClientSampled :

Tot Ion: 91 Resp: 704040

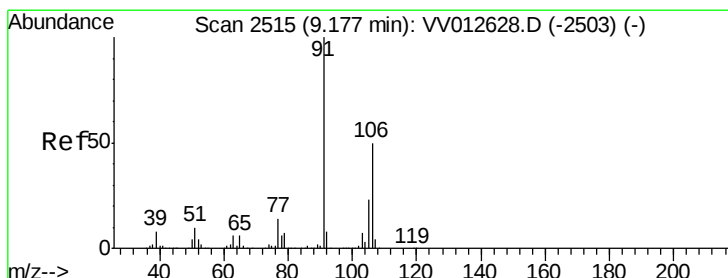
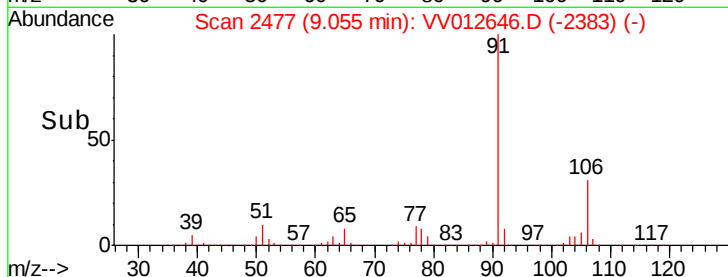
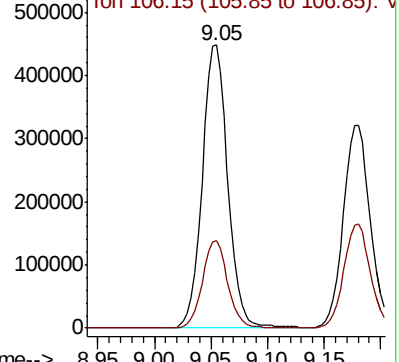
Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012628.D (-2460) (-)



#53

m,p-xylene

Concen: 5.584 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012646.D

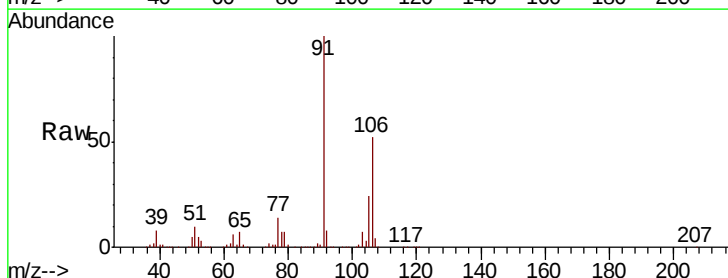
Acq: 10 Sep 2019 01:47

Tgt Ion: 106 Resp: 273232

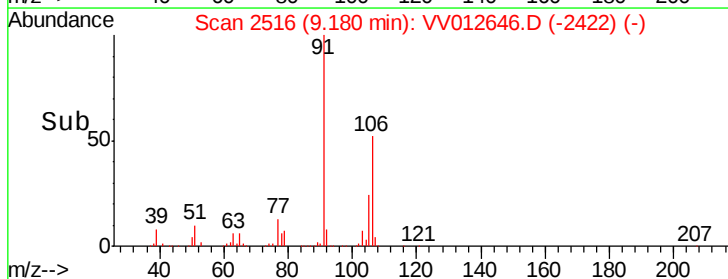
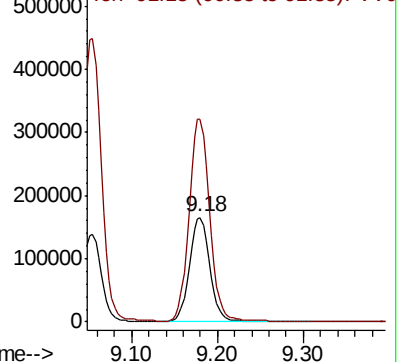
Ion Ratio Lower Upper

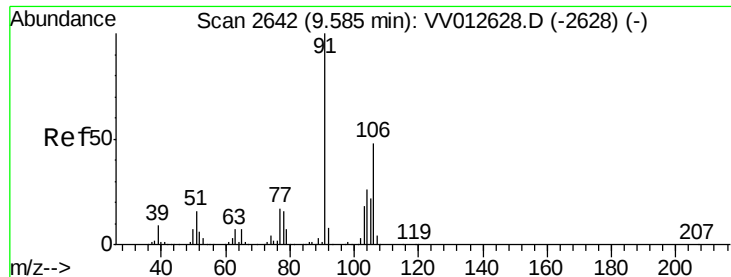
106 100

91 193.4 140.0 260.0



Abundance Ion 106.15 (105.85 to 106.85): VV012628.D (-2503) (-)





#54

o-xylene

Concen: 5.629 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

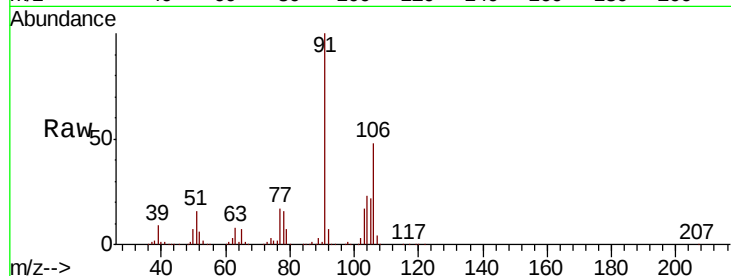
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 263804

Ion Ratio Lower Upper

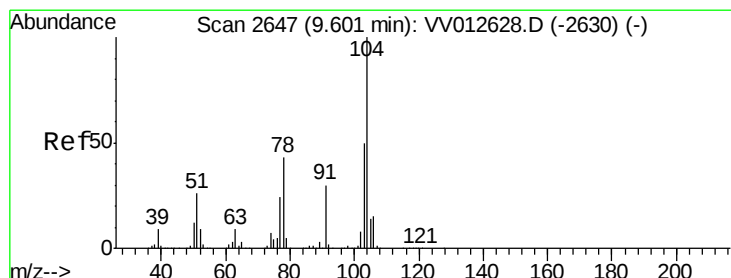
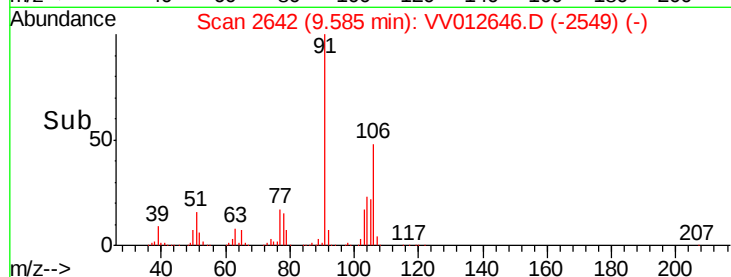
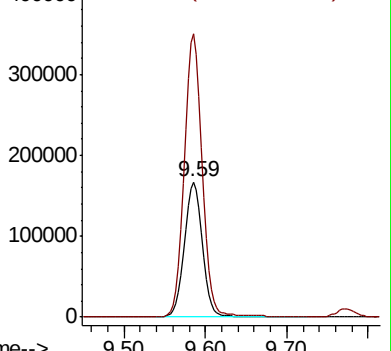
106 100

91 209.9 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.858 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012646.D

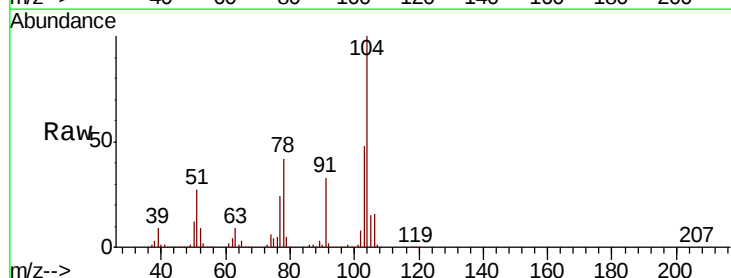
Acq: 10 Sep 2019 01:47

Tgt Ion:104 Resp: 456582

Ion Ratio Lower Upper

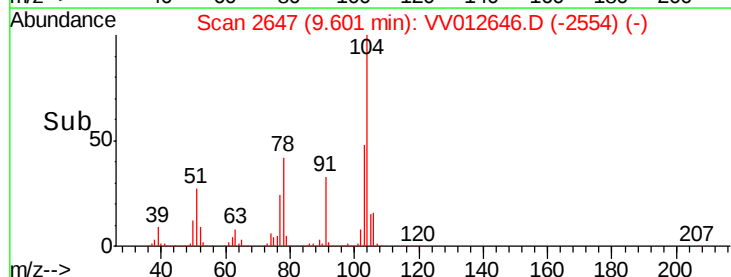
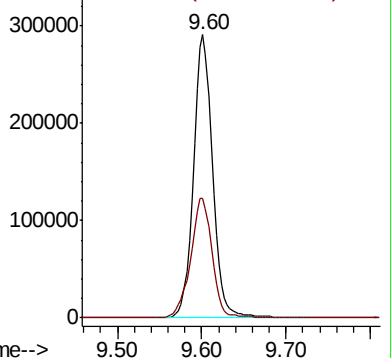
104 100

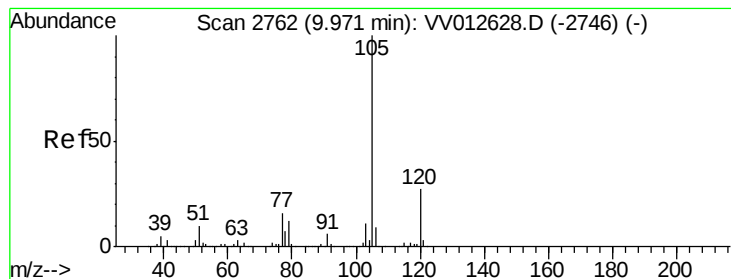
78 42.4 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.521 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

ClientSampled :

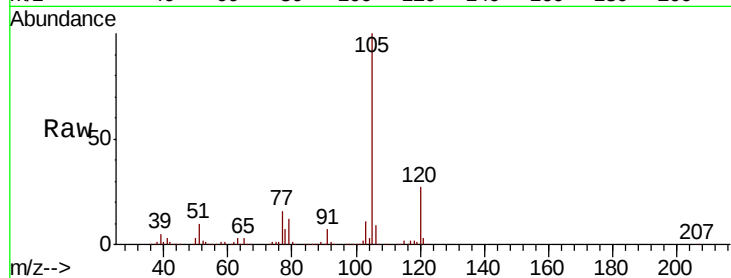
Tot Ion:105 Resp: 685442

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

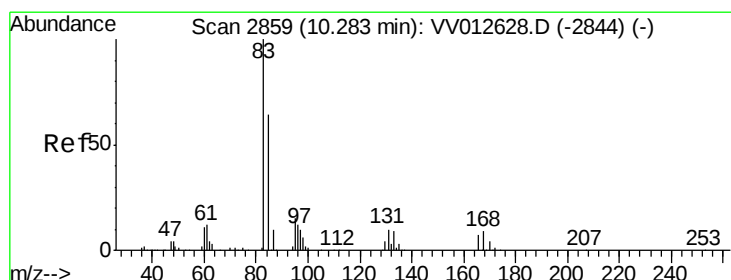
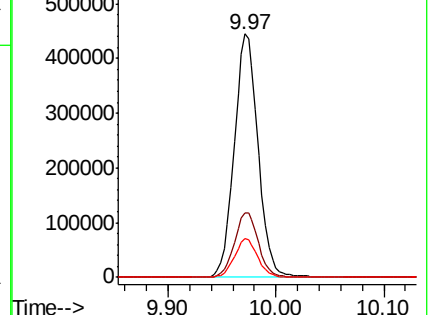
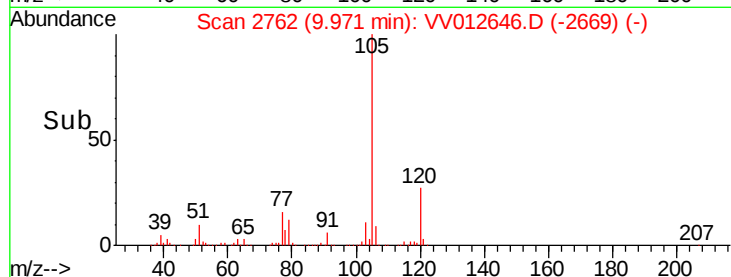
77 15.7 12.2 18.4



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: 5.942 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

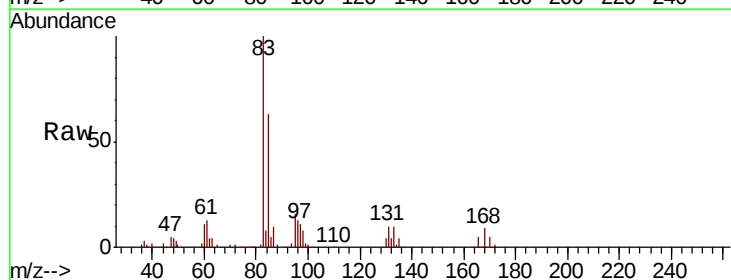
Tgt Ion: 83 Resp: 119055

Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.2

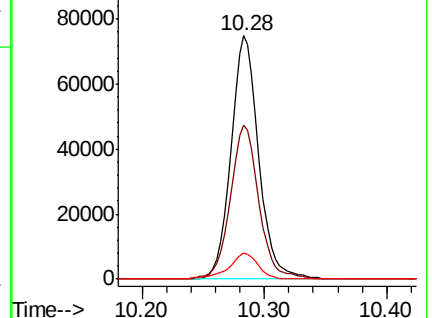
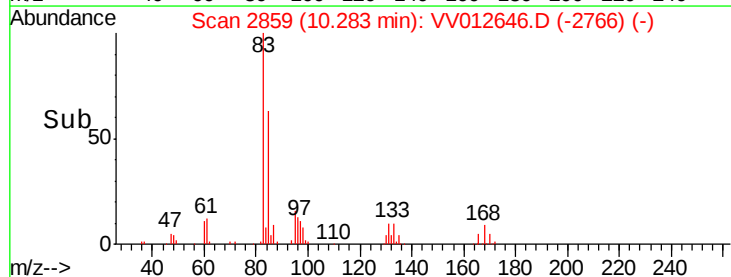
131 10.4 8.2 12.4

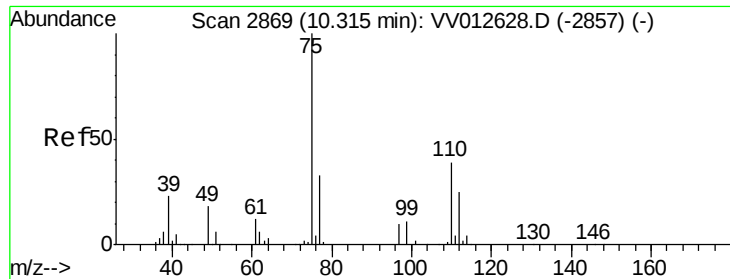


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.827 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

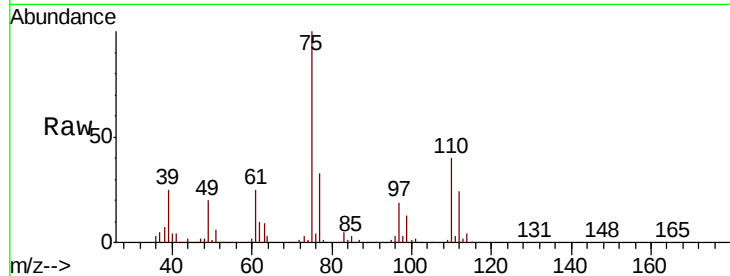
ClientSampleId :

Tot Ion: 75 Resp: 99189

Ion Ratio Lower Upper

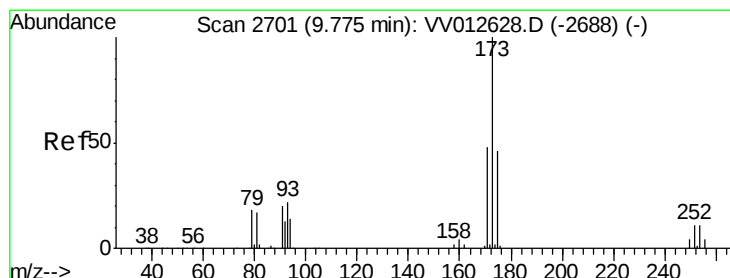
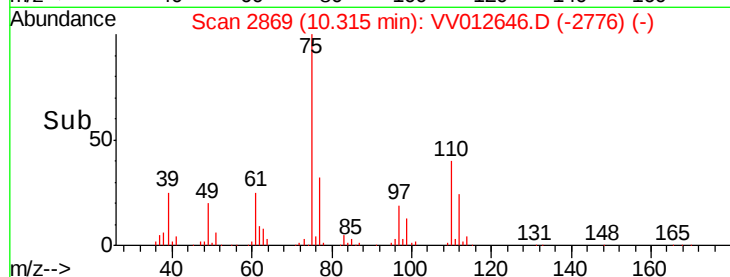
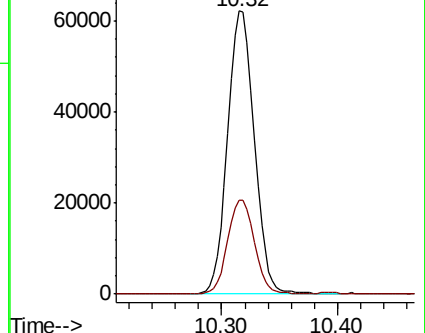
75 100

77 32.5 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VV012628.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012628.D (-2857) (-)



#61

Bromoform

Concen: 5.290 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

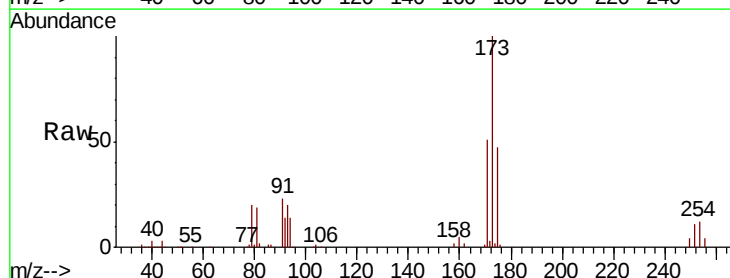
Tgt Ion: 173 Resp: 71740

Ion Ratio Lower Upper

173 100

175 47.6 39.8 59.6

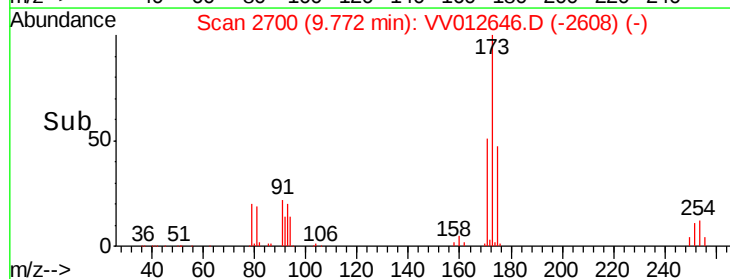
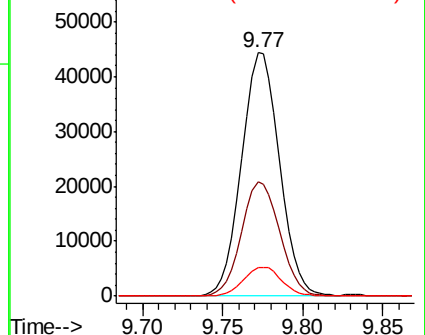
254 11.9 9.1 13.7

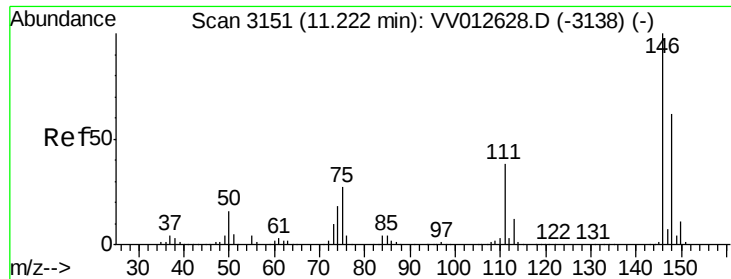


Abundance Ion 172.90 (172.60 to 173.60): VV012628.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV012628.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV012628.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 5.346 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

ClientSampled :

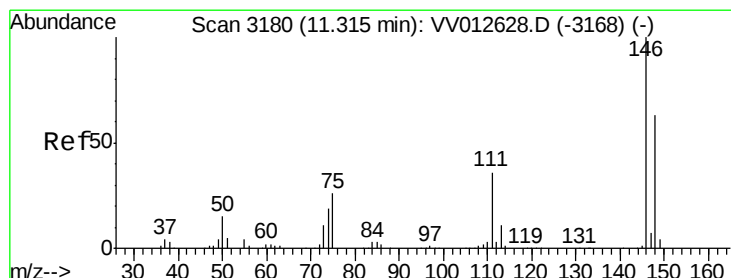
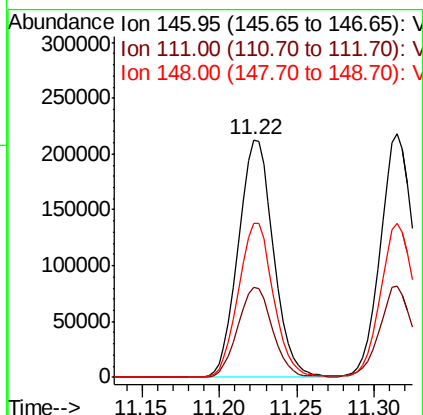
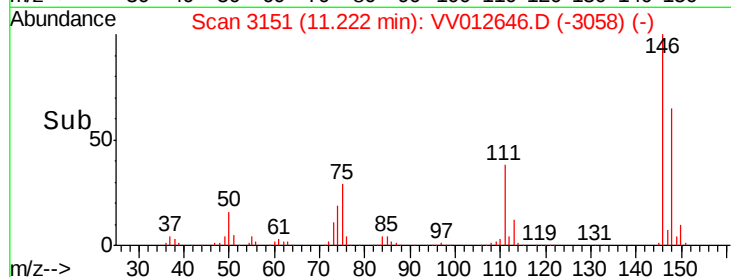
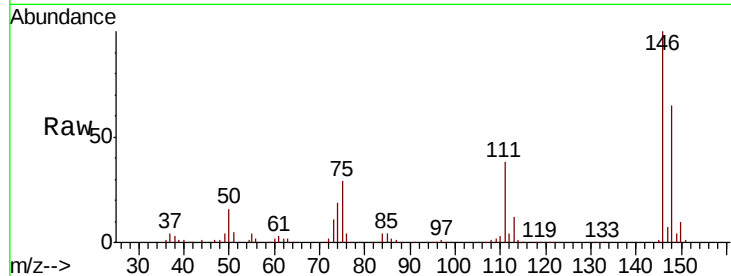
Tot Ion:146 Resp: 336868

Ion Ratio Lower Upper

146 100

111 38.1 26.3 48.9

148 65.0 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 5.230 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

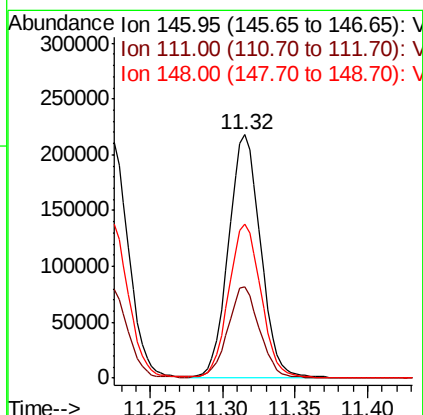
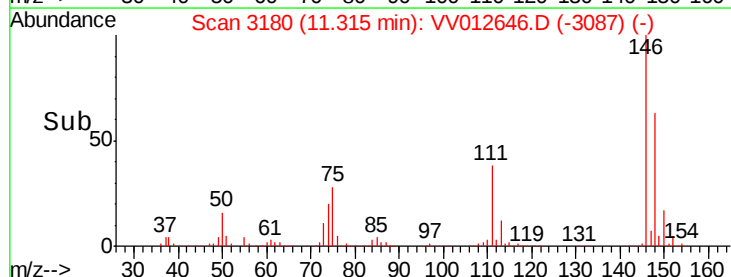
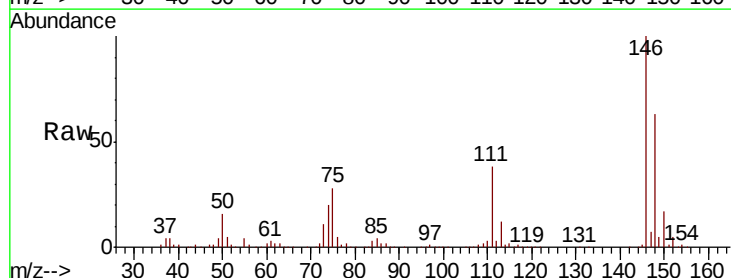
Tgt Ion:146 Resp: 332673

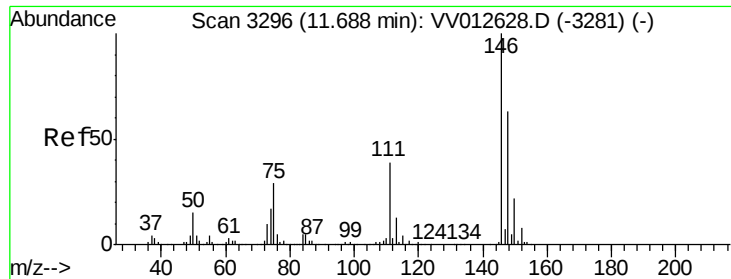
Ion Ratio Lower Upper

146 100

111 37.5 25.9 48.1

148 63.3 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 5.338 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Instrument :

MSVOA_V

ClientSampled :

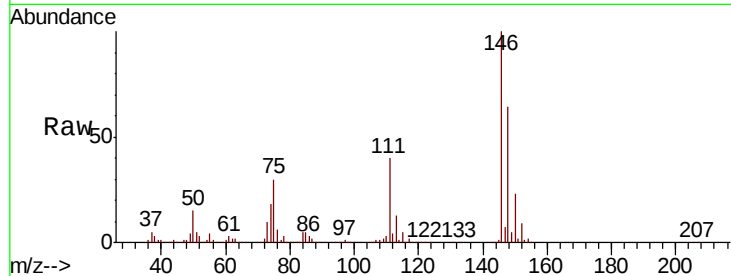
Tot Ion:146 Resp: 316746

Ion Ratio Lower Upper

146 100

111 40.4 32.2 48.4

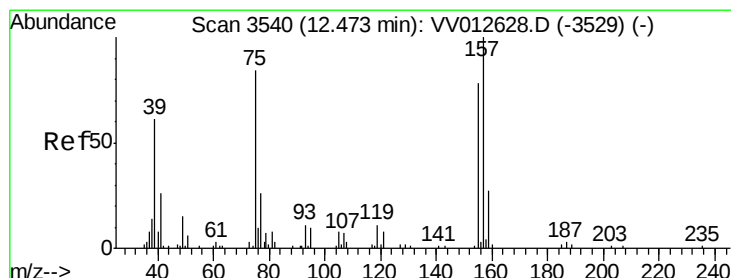
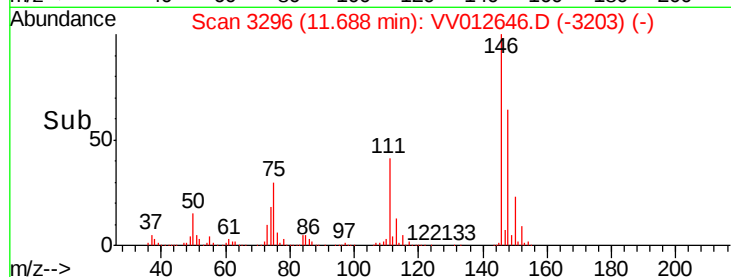
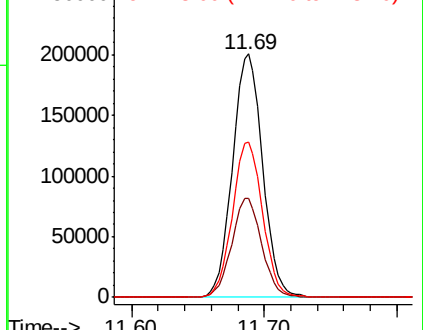
148 63.9 51.0 76.6



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: 5.787 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

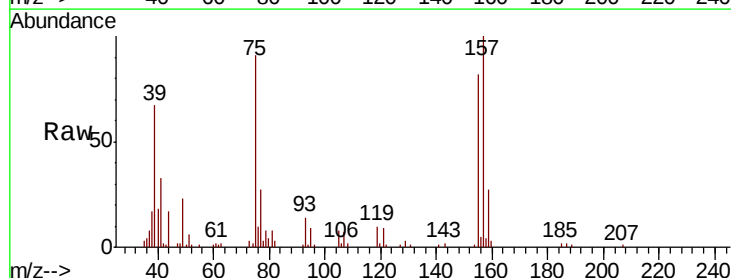
Tgt Ion: 75 Resp: 17893

Ion Ratio Lower Upper

75 100

155 90.2 74.3 111.5

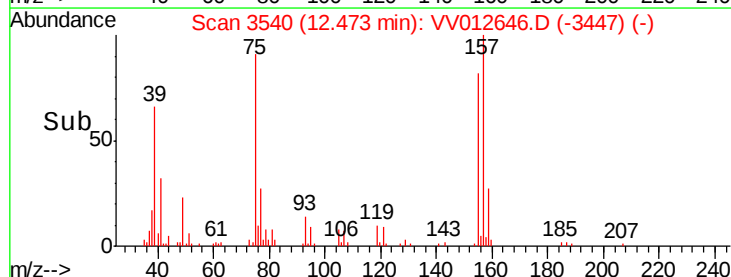
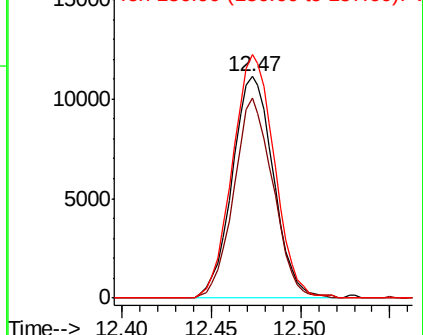
157 109.8 87.4 131.0

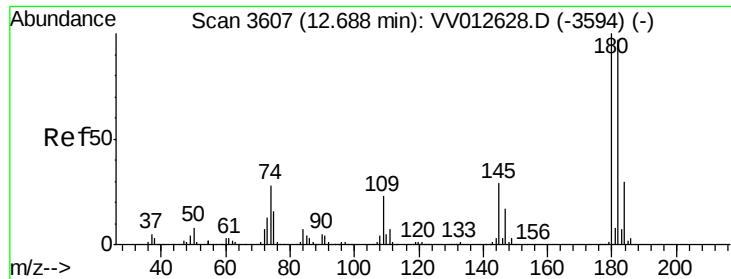


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

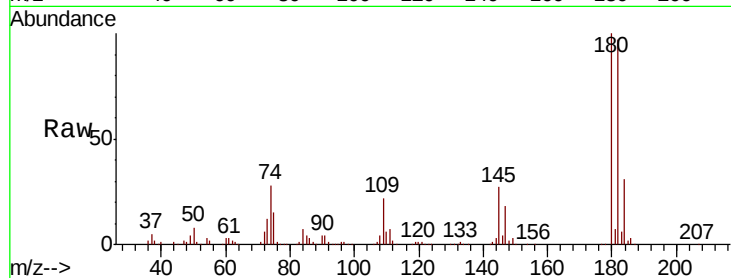




#67
 1,3,5-Trichlorobenzene
 Concen: 5.003 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
184	30.4	24.3	36.5
145	27.6	22.0	33.0



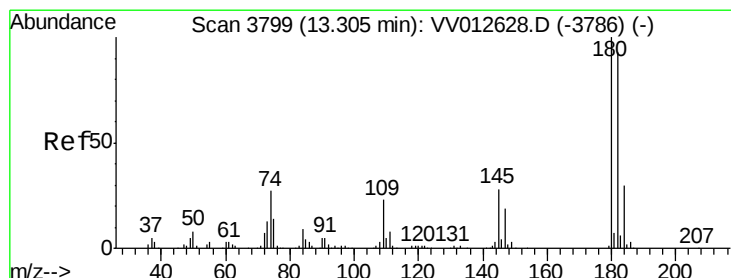
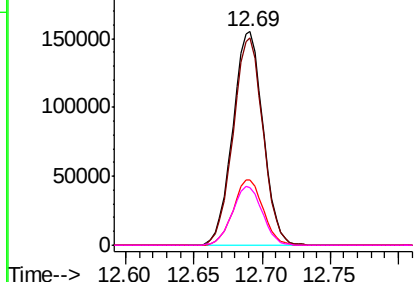
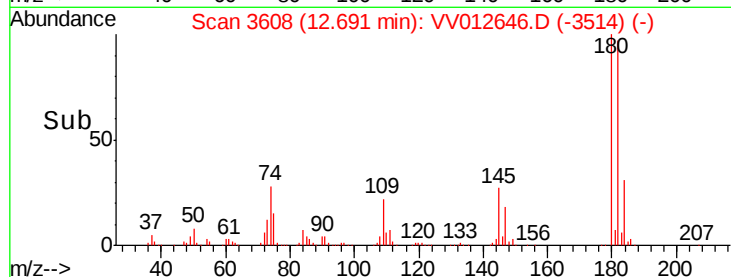
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

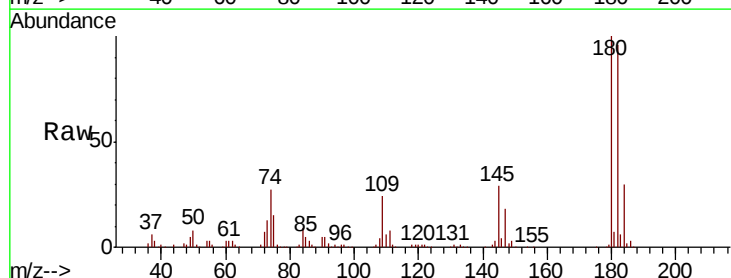
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.921 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012646.D
 Acq: 10 Sep 2019 01:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	27.8	23.2	34.8

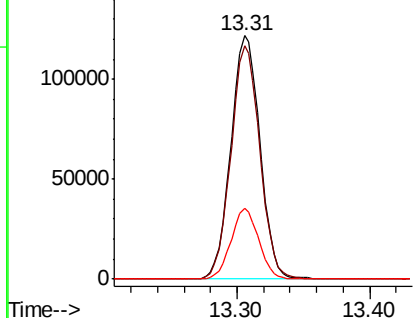
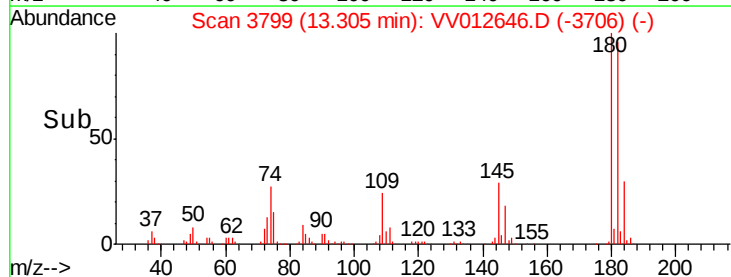


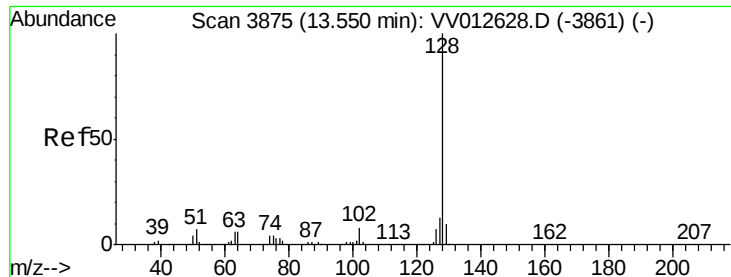
Abundance

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: 5.131 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012646.D

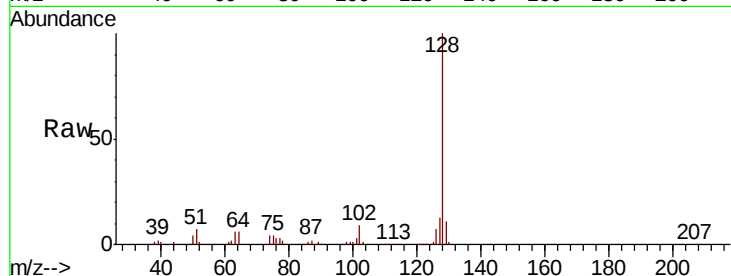
Acq: 10 Sep 2019 01:47

Instrument :

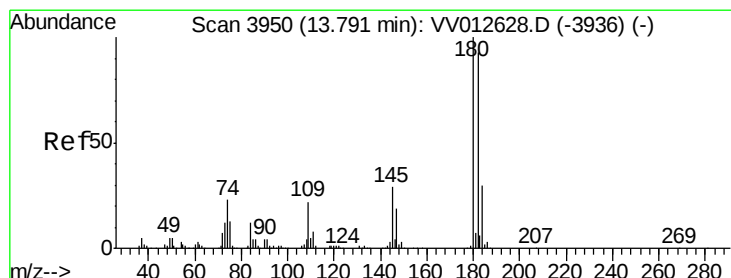
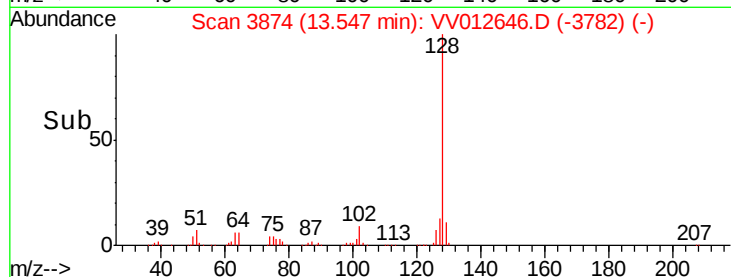
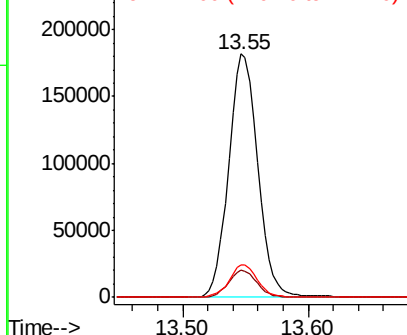
MSVOA_V

ClientSampleId :

Tot Ion:128	Resp:	293105
Ion	Ratio	Lower Upper
128	100	
129	10.8	8.7 13.1
127	13.0	10.2 15.4



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: 5.332 ug/L

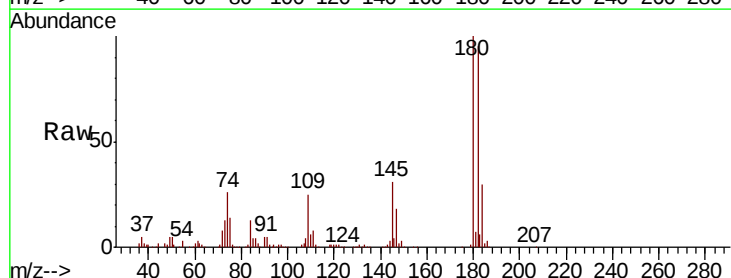
RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV012646.D

Acq: 10 Sep 2019 01:47

Tgt Ion:180	Resp:	189967
Ion	Ratio	Lower Upper
180	100	
182	94.5	77.0 115.6
145	30.5	24.5 36.7



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

