

Data File : VW011328.D
Acq On : 18 Jul 2019 01:53
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Quant Time: Jul 18 06:42:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 18 06:37:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	303319	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285720	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142587	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	77984	16.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.36%
7) Chloroethane-d5	2.89	69	66821	20.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.24%
10) 1,1-Dichloroethene-d2	4.02	63	192515	19.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.52%
20) 2-Butanone-d5	7.07	46	122601	67.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.40%
24) Chloroform-d	7.65	84	206723	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	133687	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.44%
29) Benzene-d6	8.27	84	397611	22.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.36%
33) 1,2-Dichloropropane-d6	9.27	67	140573	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	352254	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.84%
38) trans-1,3-Dichloropropene-	10.58	79	58612	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.20%
39) 2-Hexanone-d5	10.92	63	85892	65.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138501	29.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	133834	24.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	78305	20.990 ug/L	99
3) Chloromethane	2.21	50	83592	20.639 ug/L	99
5) Vinyl chloride	2.36	62	96912	18.333 ug/L	99
6) Bromomethane	2.78	94	53257	21.534 ug/L	99
8) Chloroethane	2.92	64	58025	21.717 ug/L	97
9) Trichlorofluoromethane	3.25	101	33082	18.278 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	88986	22.065 ug/L	97
12) 1,1-Dichloroethene	4.04	96	84287	21.145 ug/L #	76
13) Acetone	4.12	43	81032	45.472 ug/L	98
14) Carbon disulfide	4.39	76	222023	19.472 ug/L	100
15) Methyl Acetate	4.67	43	88907	30.661 ug/L	99
16) Methylene chloride	4.92	84	111635	25.046 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	175075	28.322 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	90936	22.576 ug/L	96
19) 1,1-Dichloroethane	6.21	63	204439	25.001 ug/L	99
21) 2-Butanone	7.17	43	129026	56.087 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	110362	25.312 ug/L	98

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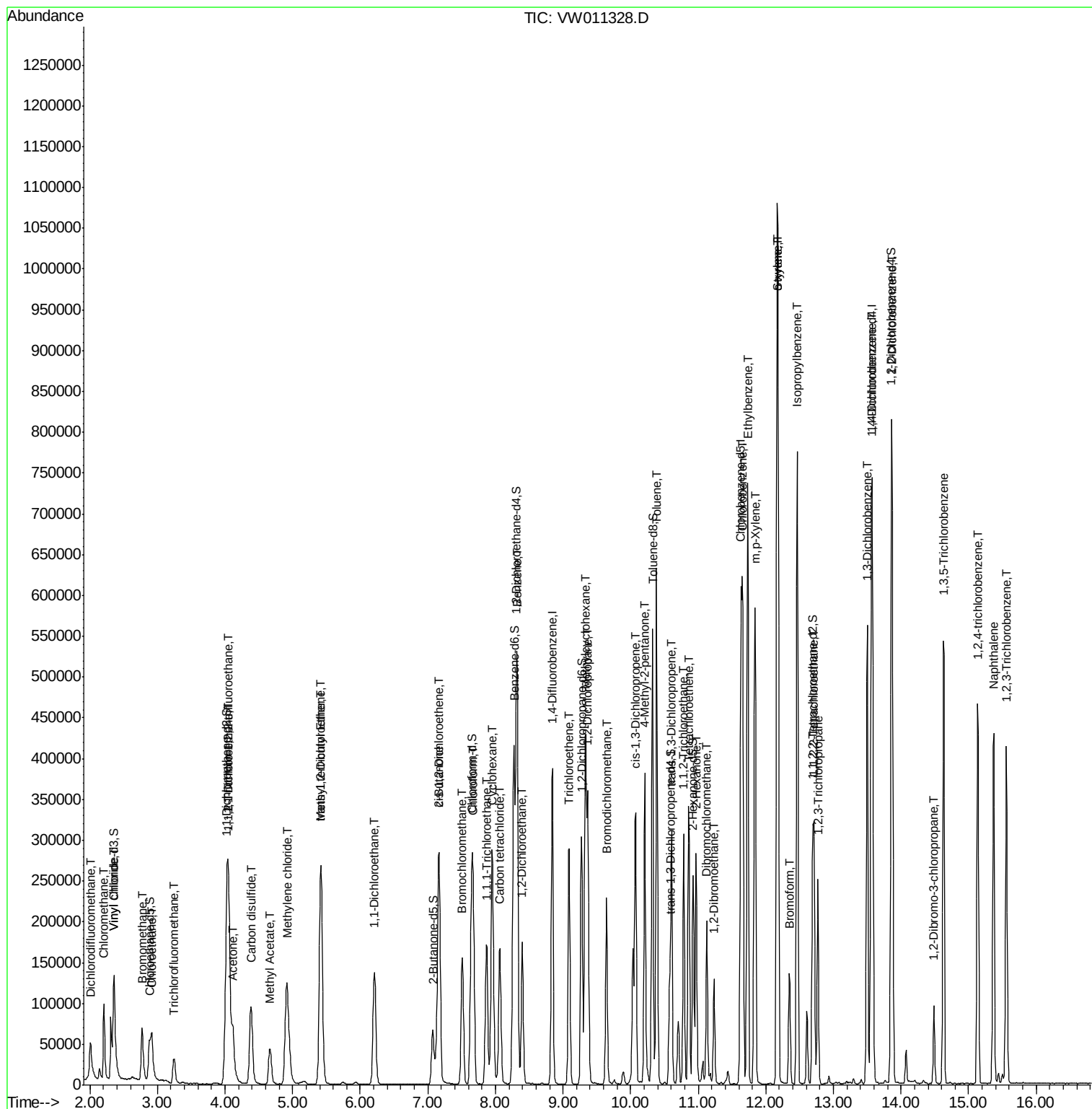
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48490	26.505	ug/L	96
25) Chloroform	7.67	83	196358	25.351	ug/L	99
27) 1,2-Dichloroethane	8.40	62	156883	26.497	ug/L	99
30) Cyclohexane	7.95	56	170536	19.631	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	135763	22.894	ug/L	99
32) Carbon tetrachloride	8.07	117	122640	22.052	ug/L	100
34) Benzene	8.32	78	420819	23.566	ug/L	100
35) Trichloroethene	9.09	95	101433	22.509	ug/L	99
36) Methylcyclohexane	9.34	83	161898	19.964	ug/L	100
40) 1,2-Dichloropropane	9.37	63	123300	25.198	ug/L	99
41) Bromodichloromethane	9.64	83	146992	26.056	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	180077	24.942	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	269722	59.462	ug/L	99
44) Toluene	10.39	91	441014	23.860	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	154655	25.888	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91205	26.916	ug/L	98
47) Tetrachloroethene	10.86	164	74411	21.849	ug/L	99
49) 2-Hexanone	10.97	43	193735	58.677	ug/L	100
50) Dibromochloromethane	11.13	129	100611	27.883	ug/L	99
51) 1,2-Dibromoethane	11.23	107	88045	26.909	ug/L	97
52) Chlorobenzene	11.66	112	278508	24.664	ug/L	99
53) Ethylbenzene	11.73	91	496137	23.665	ug/L	99
54) m,p-Xylene	11.84	106	179322	23.558	ug/L	94
55) o-xylene	12.16	106	176726	24.406	ug/L	100
56) Styrene	12.18	104	316197	25.455	ug/L	100
57) Isopropylbenzene	12.46	105	468548	23.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	128689	28.547	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100652	29.075	ug/L	99
62) Bromoform	12.35	173	60659	28.545	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	213858	24.378	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	218192	24.297	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	210905	25.828	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	23617	29.459	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	160981	24.220	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	141477	25.408	ug/L	98
69) Naphthalene	15.37	128	350785	30.080	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	138649	27.214	ug/L	100

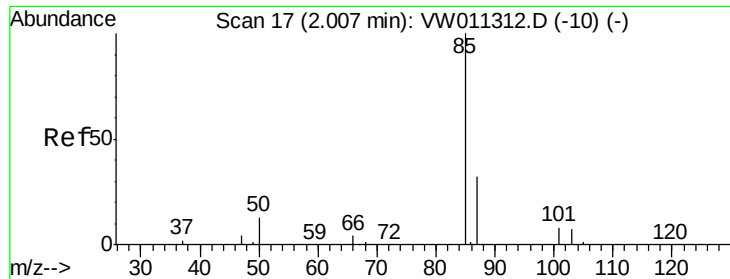
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.990 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

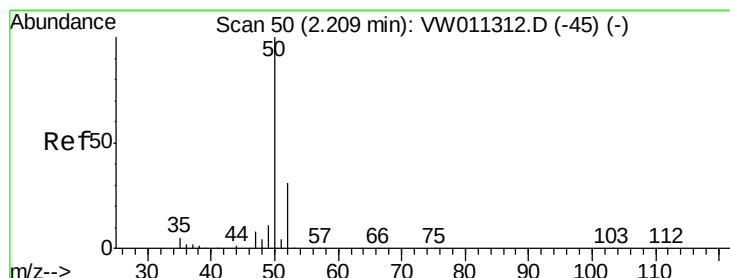
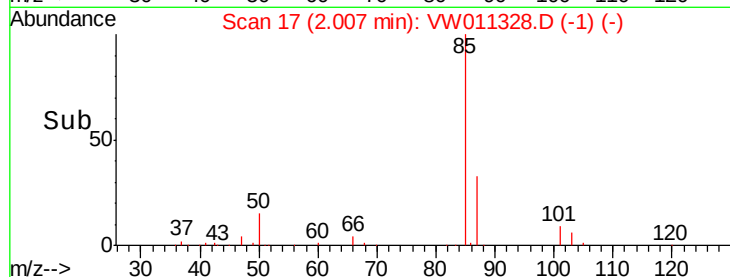
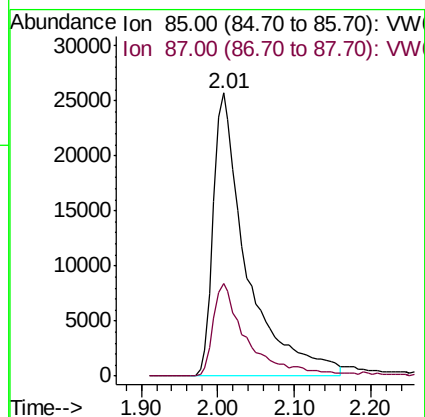
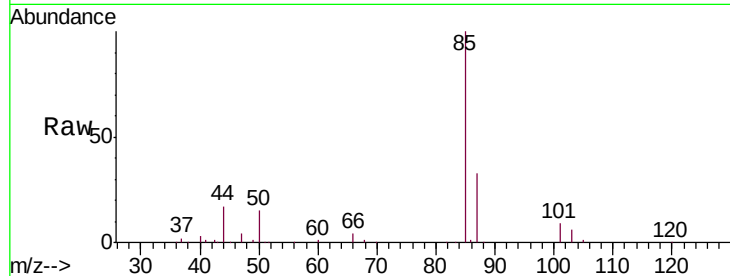
VSTD02512

Tgt Ion: 85 Resp: 78305

Ion Ratio Lower Upper

85 100

87 30.3 20.6 38.4



#3

Chloromethane

Concen: 20.639 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011328.D

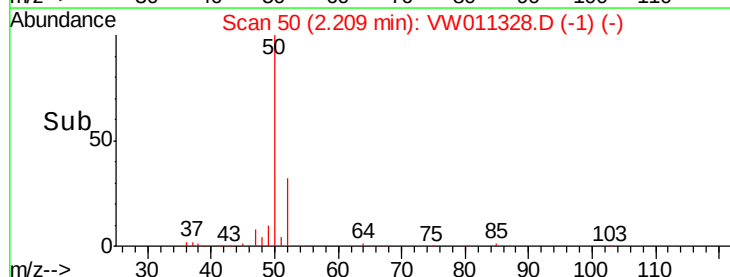
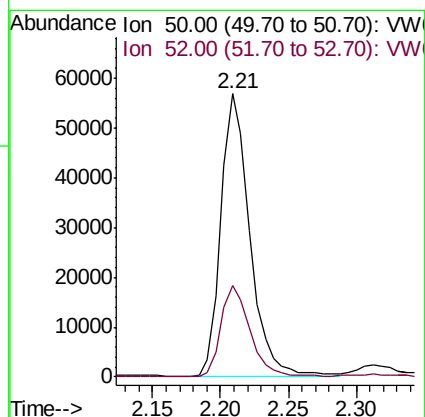
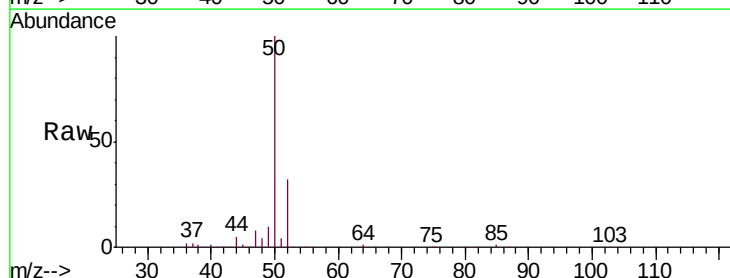
Acq: 18 Jul 2019 01:53

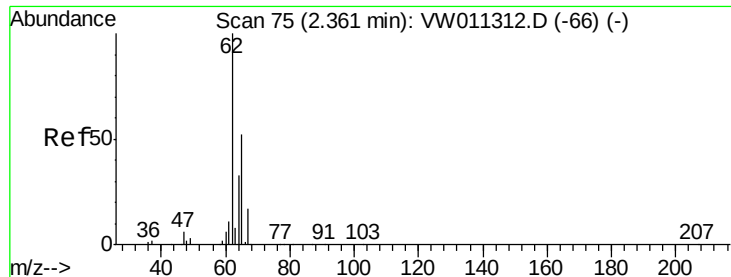
Tgt Ion: 50 Resp: 83592

Ion Ratio Lower Upper

50 100

52 32.4 22.3 41.5





#5

Vinyl chloride

Concen: 18.333 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

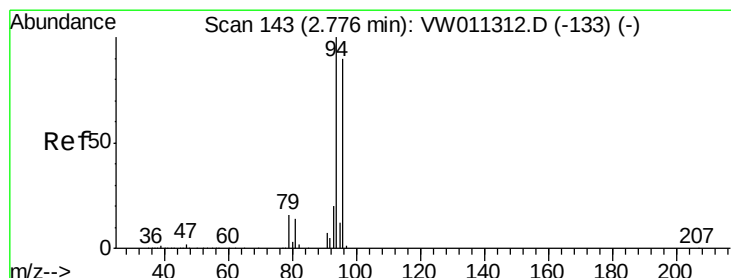
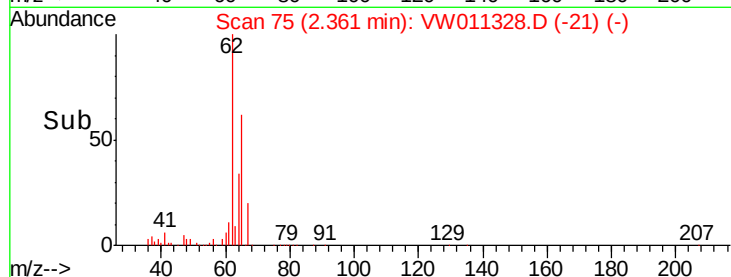
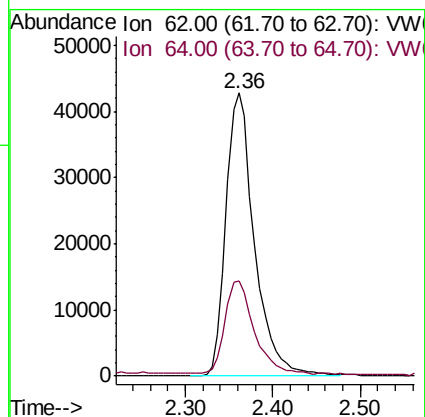
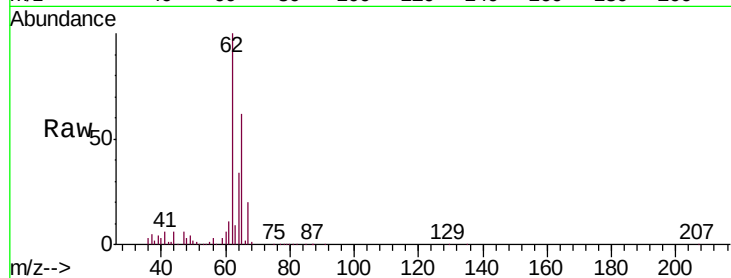
VSTD02512

Tgt Ion: 62 Resp: 96912

Ion Ratio Lower Upper

62 100

64 33.6 23.9 44.3



#6

Bromomethane

Concen: 21.534 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011328.D

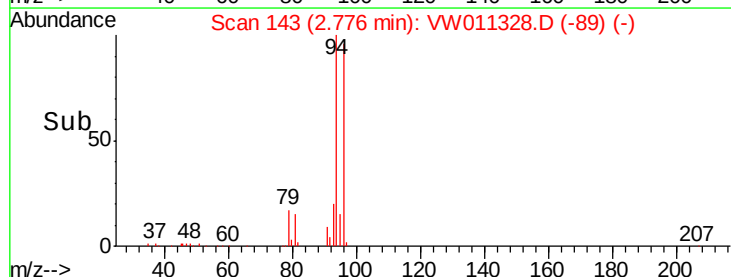
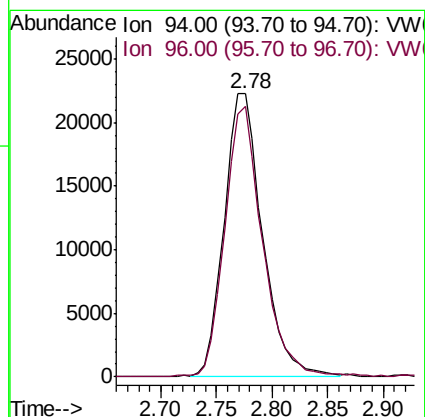
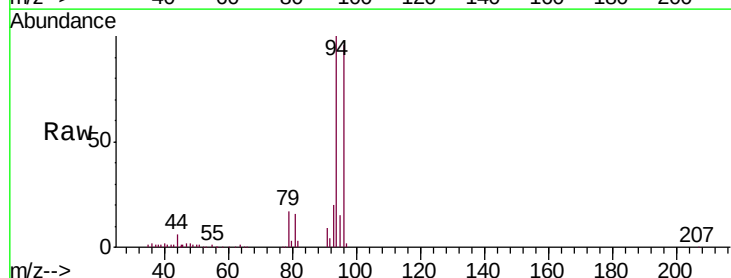
Acq: 18 Jul 2019 01:53

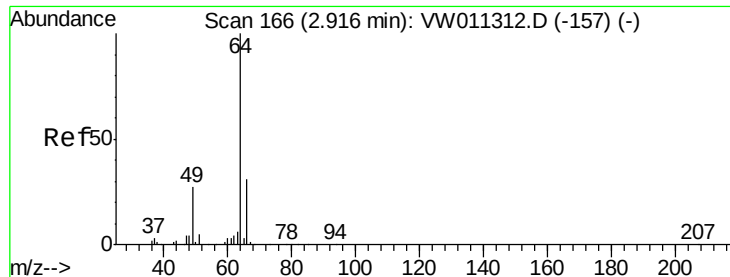
Tgt Ion: 94 Resp: 53257

Ion Ratio Lower Upper

94 100

96 94.1 9.3 177.3





#8

Chloroethane

Concen: 21.717 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

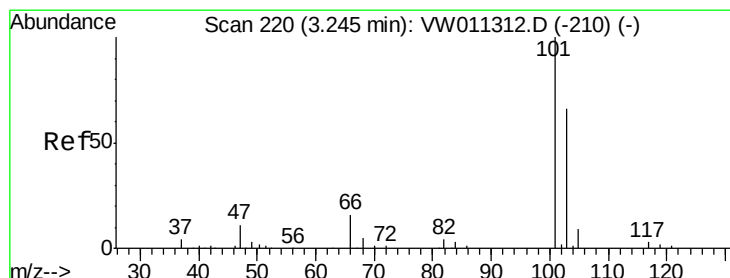
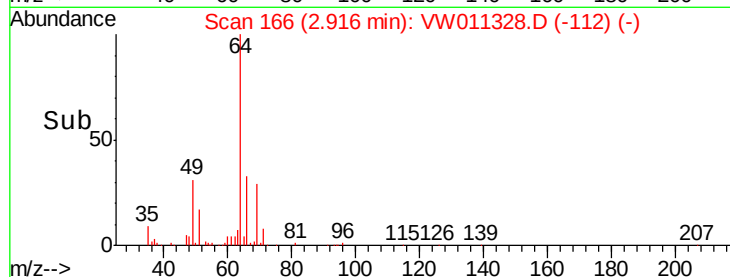
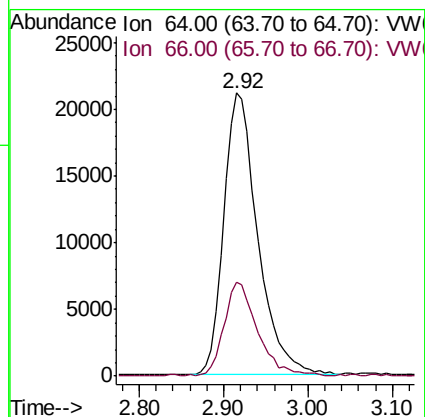
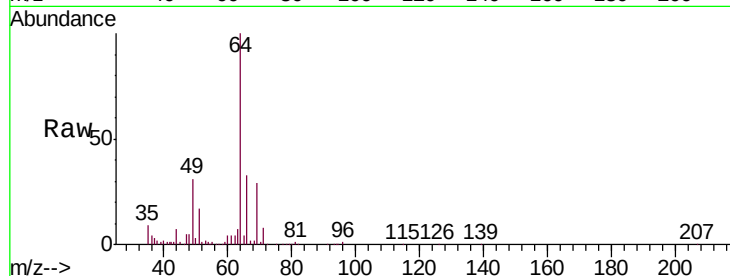
VSTD02512

Tgt Ion: 64 Resp: 58025

Ion Ratio Lower Upper

64 100

66 33.2 21.9 40.7



#9

Trichlorofluoromethane

Concen: 18.278 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW011328.D

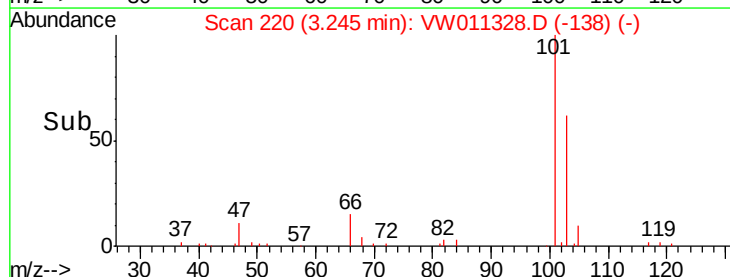
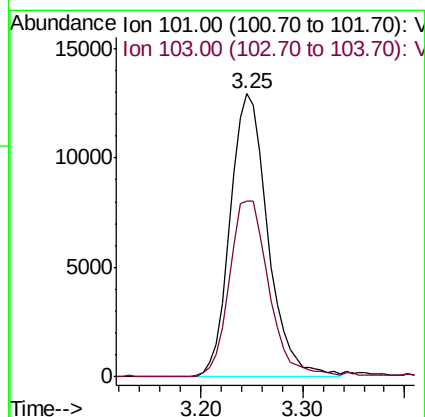
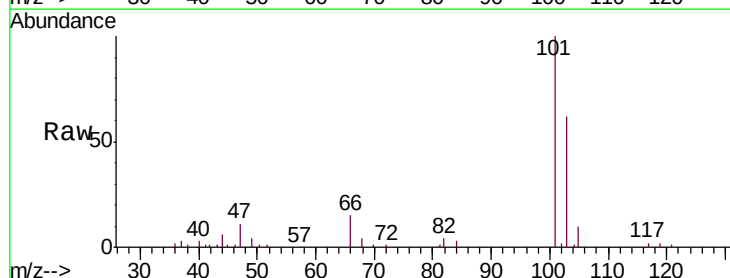
Acq: 18 Jul 2019 01:53

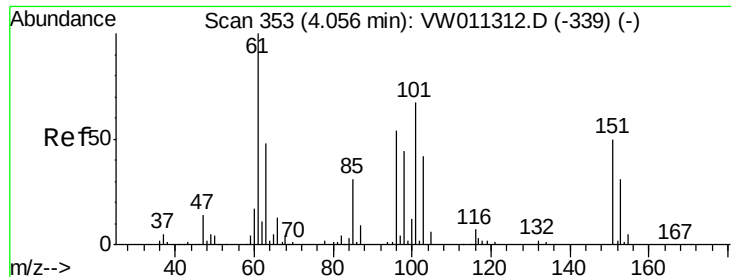
Tgt Ion: 101 Resp: 33082

Ion Ratio Lower Upper

101 100

103 65.4 44.6 82.8





#11

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

Concen: 22.065 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

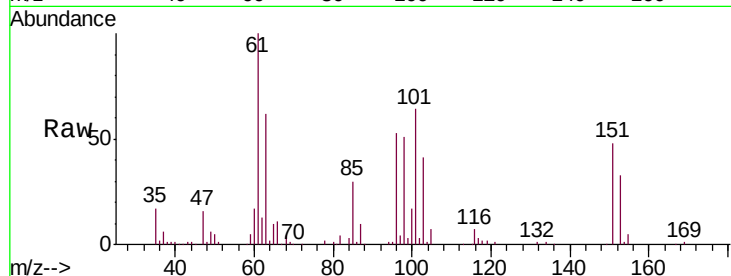
Tgt Ion: 101 Resp: 88986

Ion Ratio Lower Upper

101 100

85 45.5 33.8 50.8

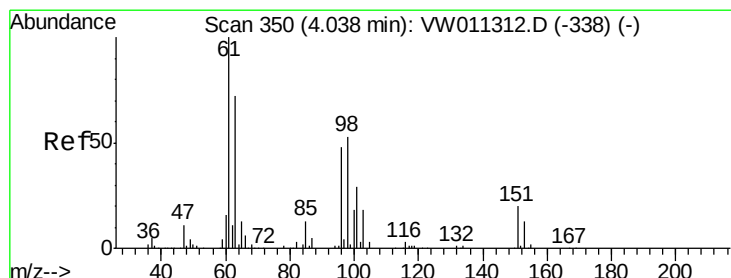
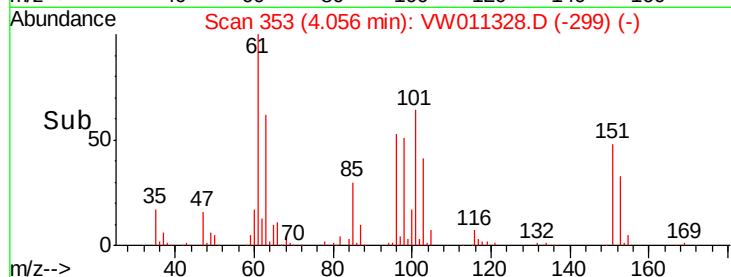
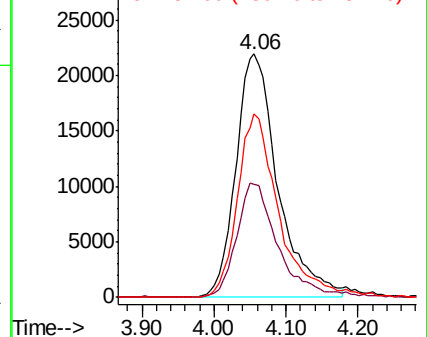
151 73.0 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.145 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

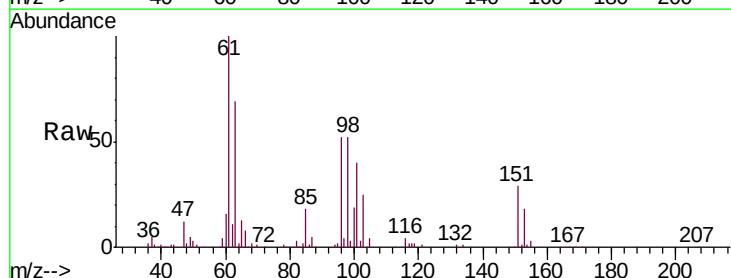
Tgt Ion: 96 Resp: 84287

Ion Ratio Lower Upper

96 100

61 194.1 142.2 264.0

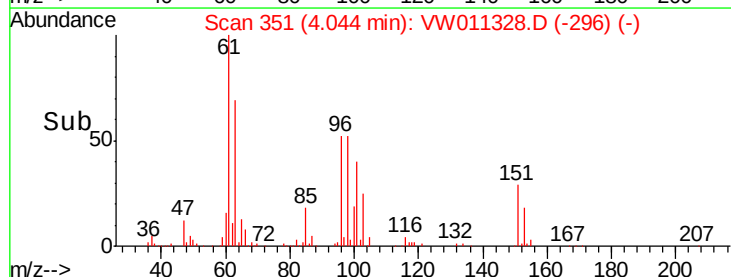
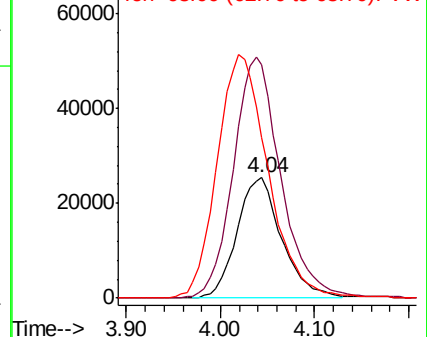
63 133.7 138.9 257.9#

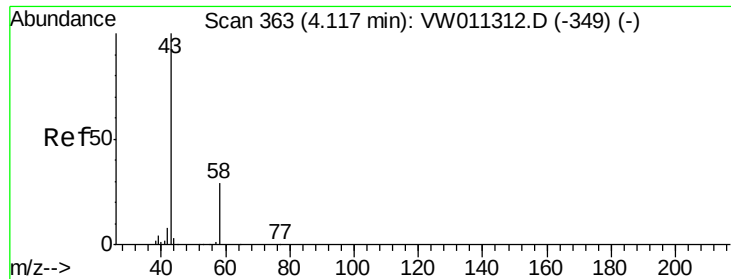


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.472 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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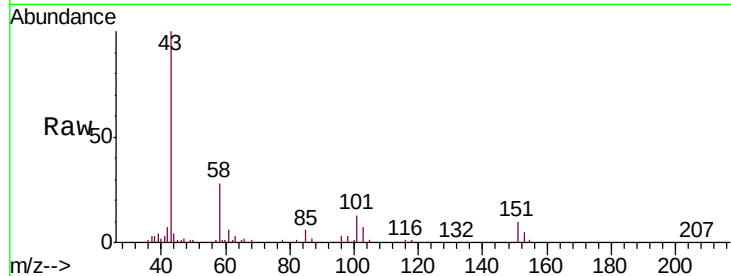
VSTD02512

Tgt Ion: 43 Resp: 81032

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

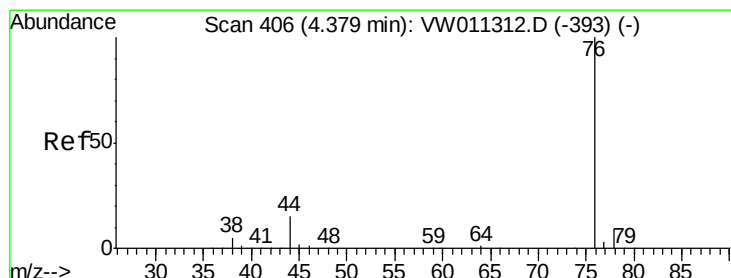
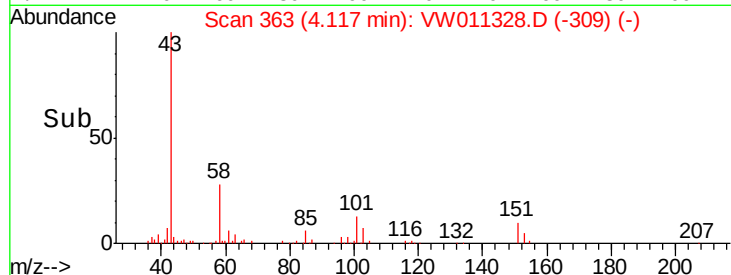
30000

20000

10000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 19.472 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011328.D

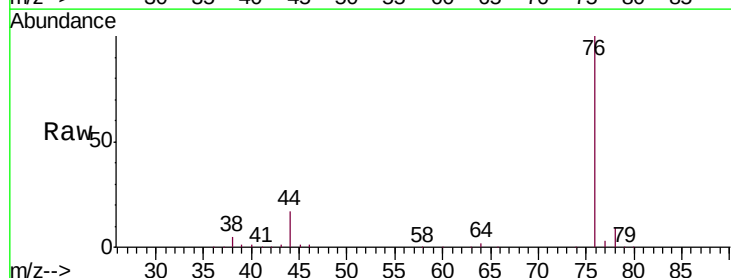
Acq: 18 Jul 2019 01:53

Tgt Ion: 76 Resp: 222023

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

80000

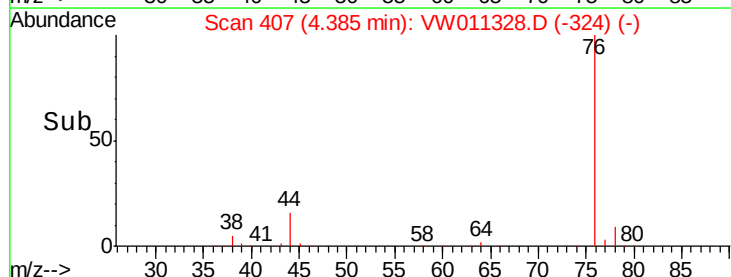
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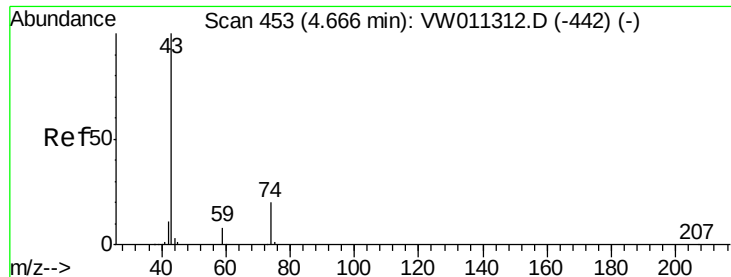
40000

20000

0

Time--> 4.30 4.40 4.50

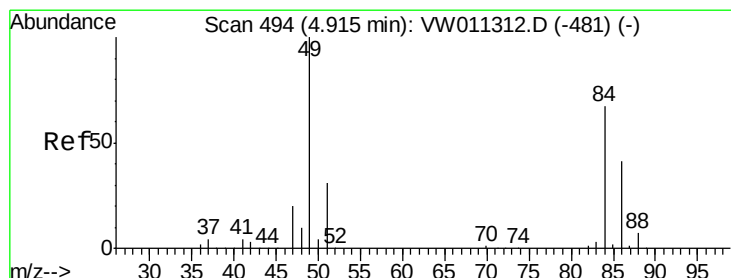
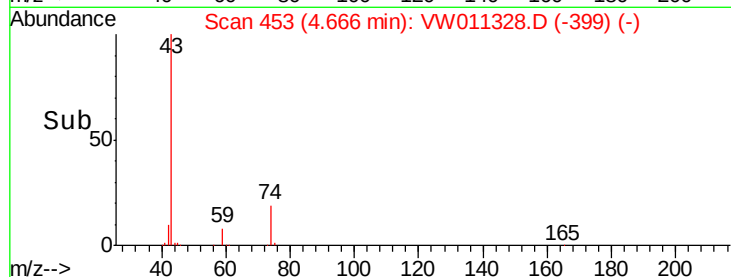
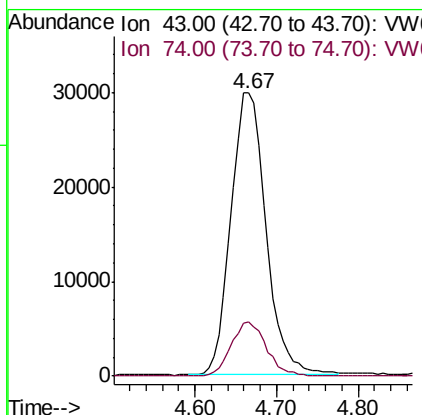
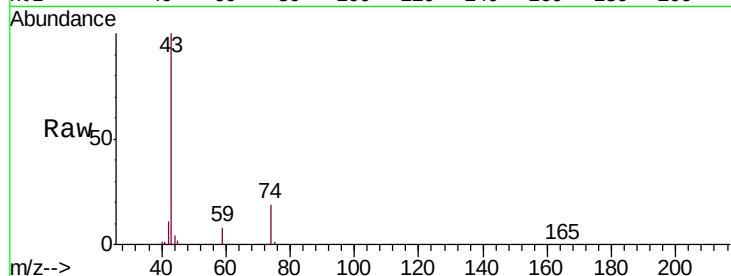




#15
Methyl Acetate
Concen: 30.661 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

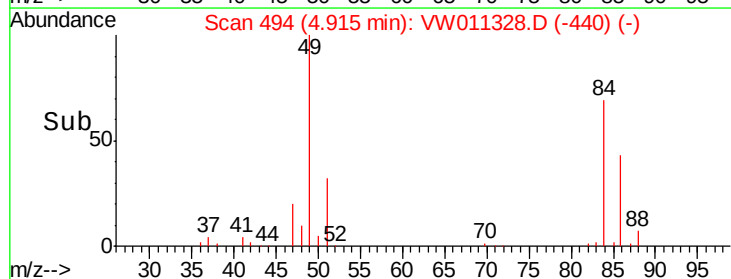
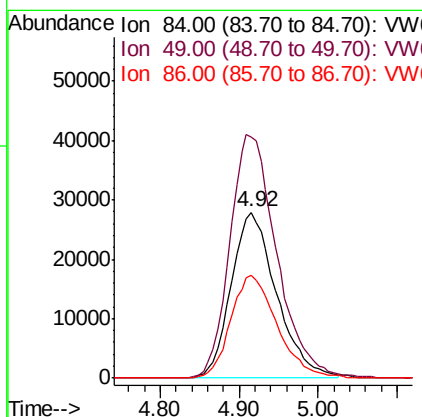
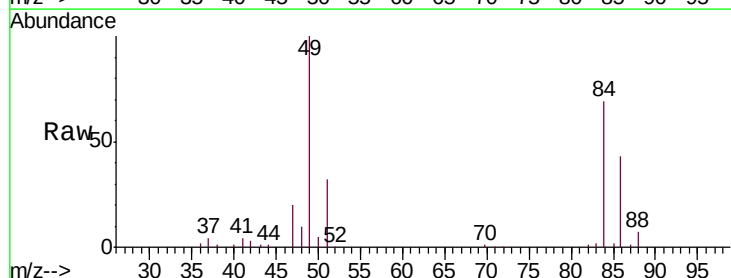
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

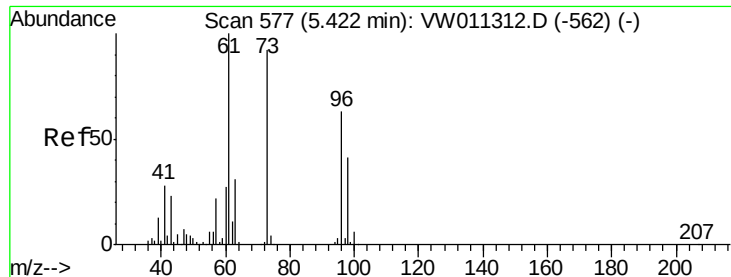
Tgt Ion: 43 Resp: 88907
Ion Ratio Lower Upper
43 100
74 19.4 15.1 22.7



#16
Methylene chloride
Concen: 25.046 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

Tgt Ion: 84 Resp: 111635
Ion Ratio Lower Upper
84 100
49 145.8 102.5 190.3
86 62.2 46.4 86.2

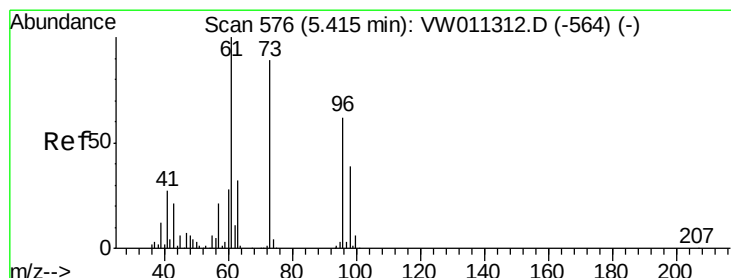
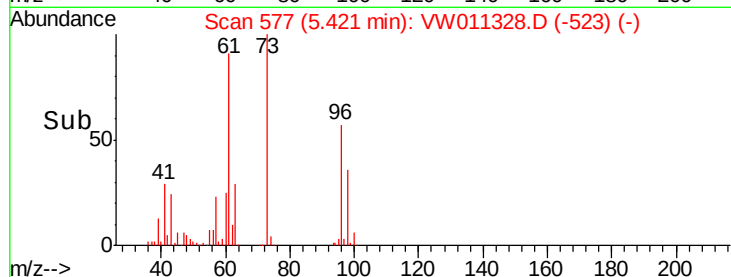
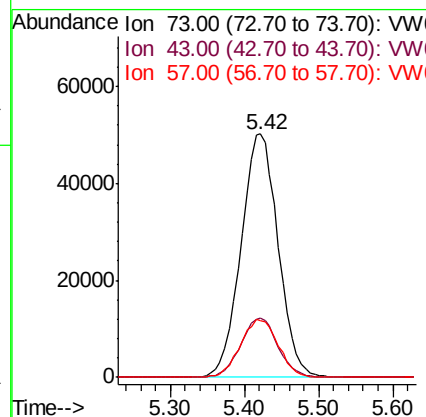
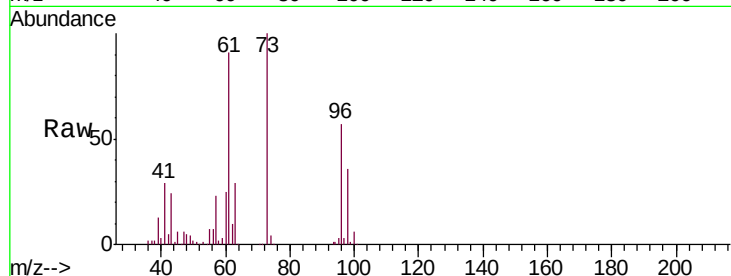




#17
Methyl tert-butyl Ether
Concen: 28.322 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

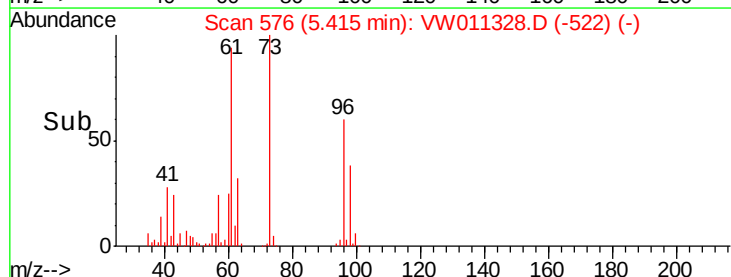
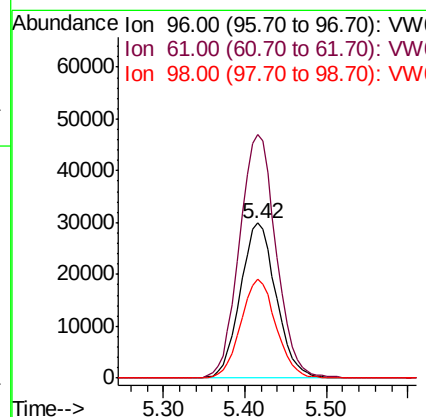
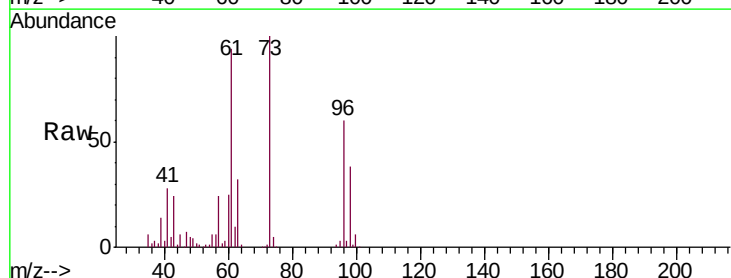
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

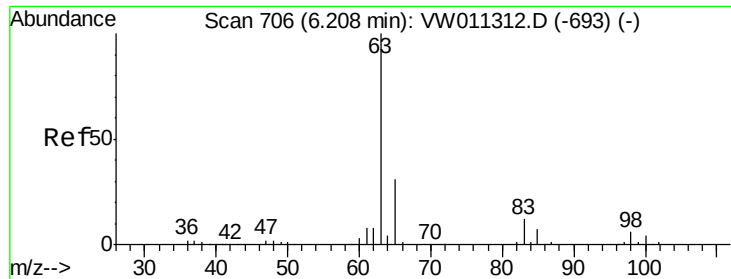
Tgt Ion: 73 Resp: 175075
Ion Ratio Lower Upper
73 100
43 23.9 20.2 30.2
57 24.3 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 22.576 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

Tgt Ion: 96 Resp: 90936
Ion Ratio Lower Upper
96 100
61 156.9 113.7 211.1
98 63.8 43.3 80.3

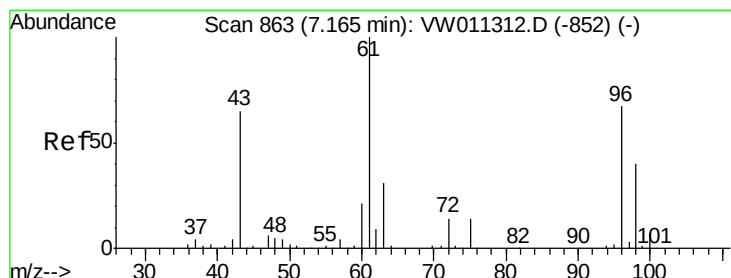
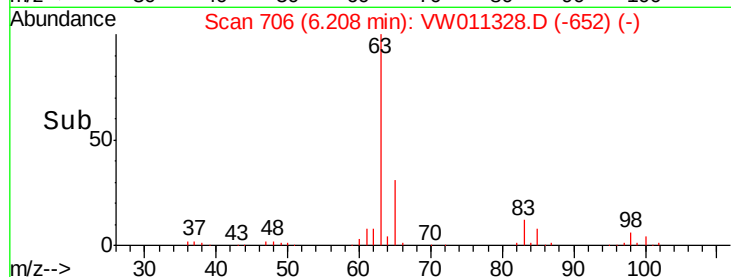
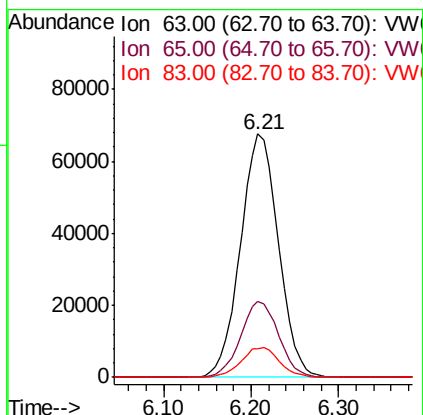
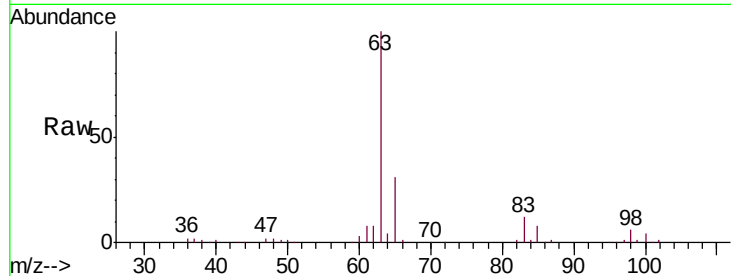




#19
 1,1-Dichloroethane
 Concen: 25.001 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

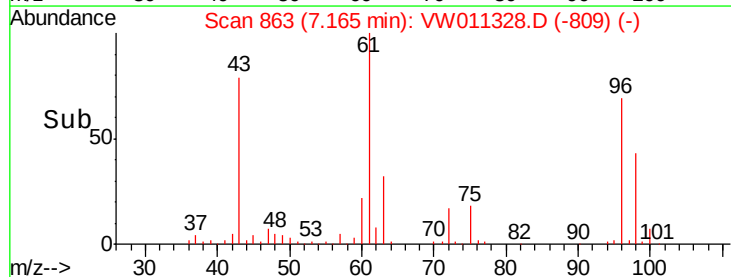
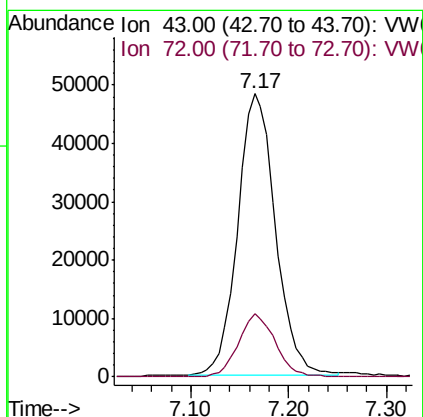
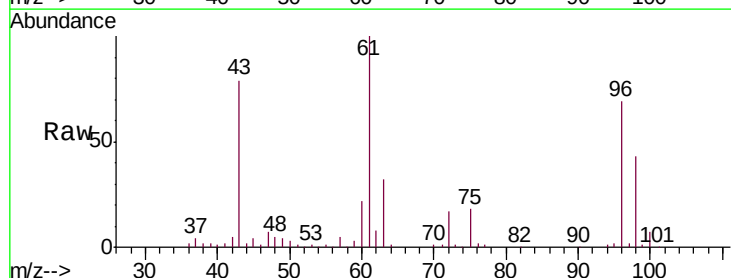
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

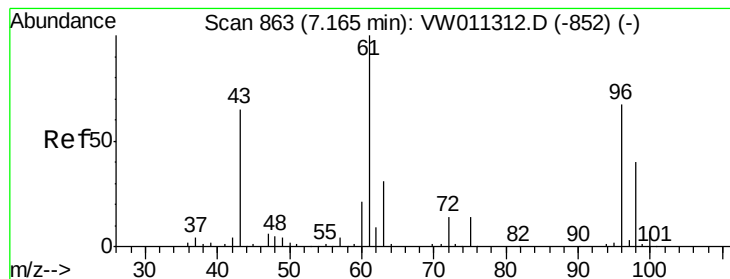
Tgt Ion: 63 Resp: 204439
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.1 41.1
 83 11.8 9.0 16.6



#21
 2-Butanone
 Concen: 56.087 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Tgt Ion: 43 Resp: 129026
 Ion Ratio Lower Upper
 43 100
 72 22.2 11.2 33.6





#22

cis-1,2-Dichloroethene

Concen: 25.312 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

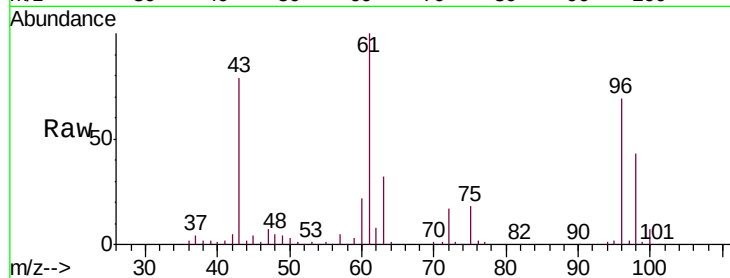
Tgt Ion: 96 Resp: 110362

Ion Ratio Lower Upper

96 100

61 145.2 103.2 191.6

98 62.3 44.8 83.2

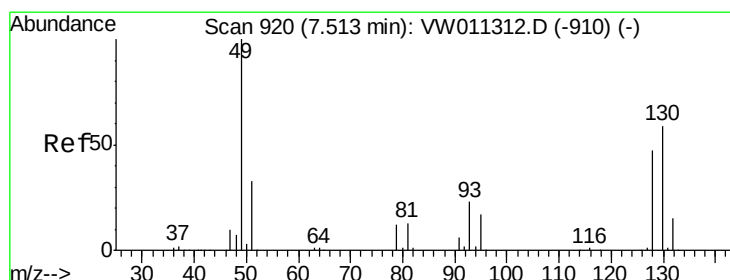
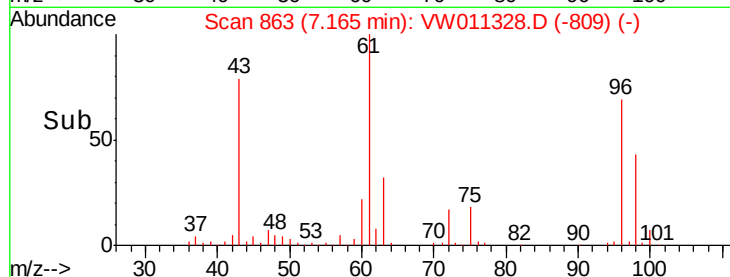
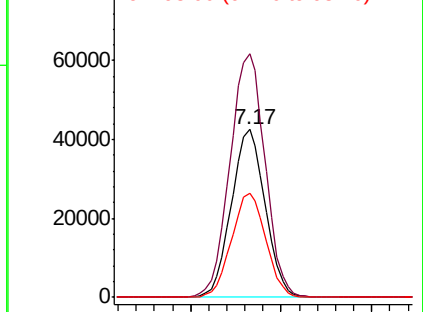


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 26.505 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Tgt Ion: 128 Resp: 48490

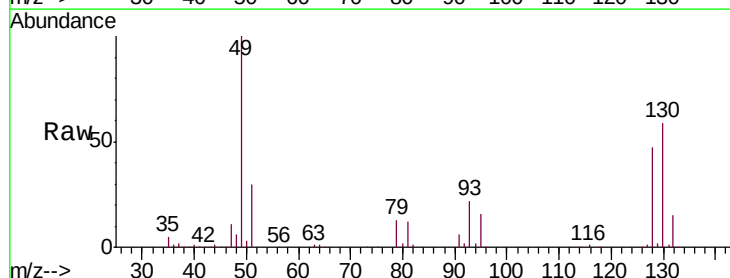
Ion Ratio Lower Upper

128 100

49 214.4 153.8 285.6

130 127.4 86.4 160.4

51 64.5 56.2 84.4



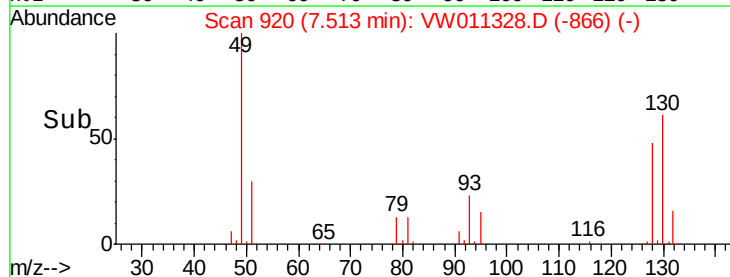
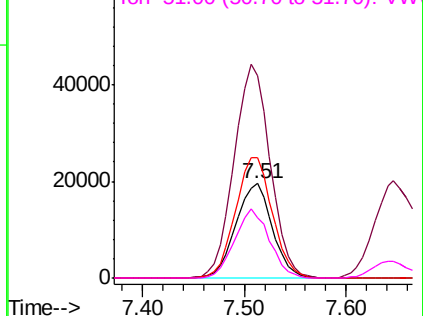
Abundance

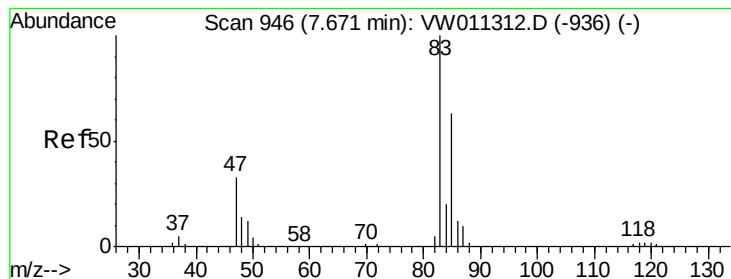
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 25.351 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

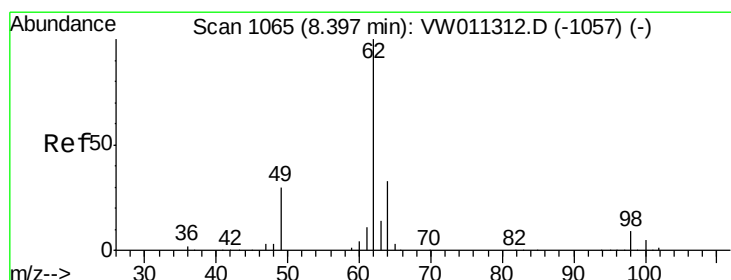
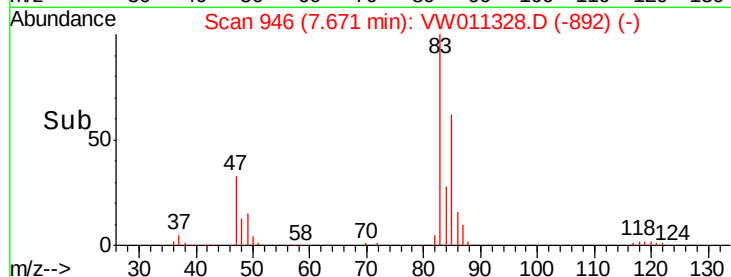
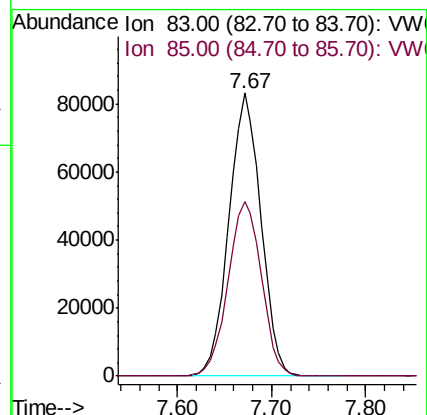
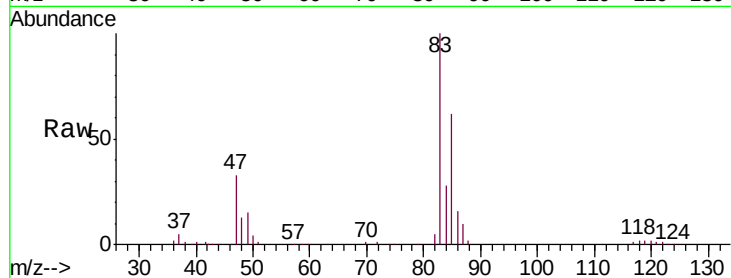
VSTD02512

Tgt Ion: 83 Resp: 196358

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6



#27

1,2-Dichloroethane

Concen: 26.497 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011328.D

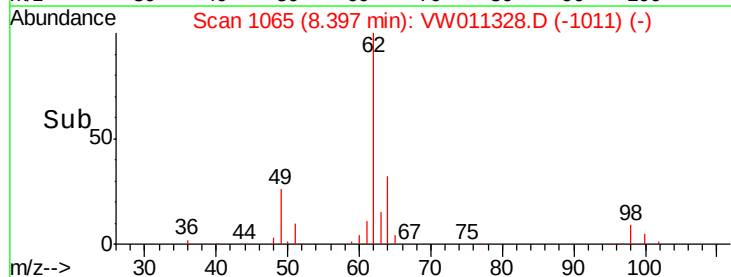
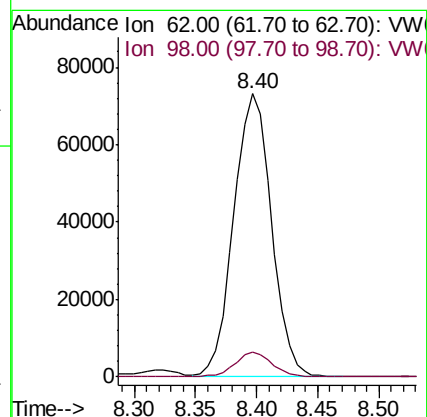
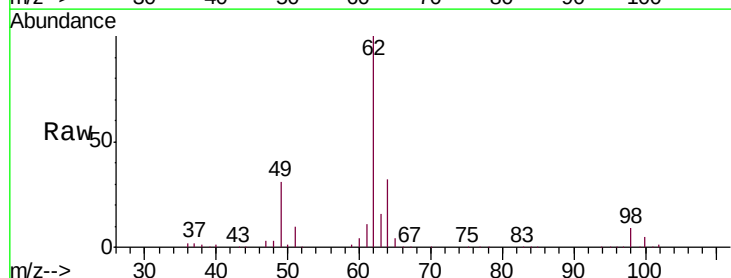
Acq: 18 Jul 2019 01:53

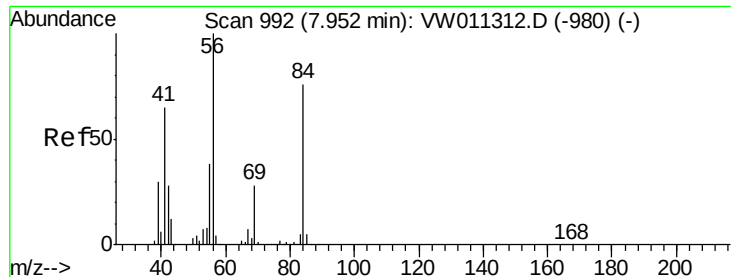
Tgt Ion: 62 Resp: 156883

Ion Ratio Lower Upper

62 100

98 8.6 6.6 10.0

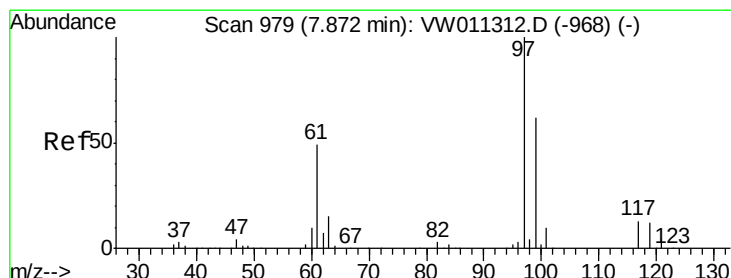
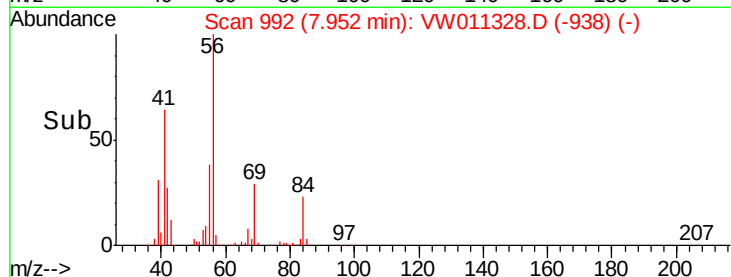
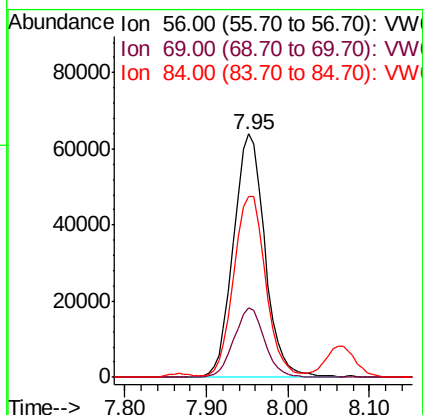
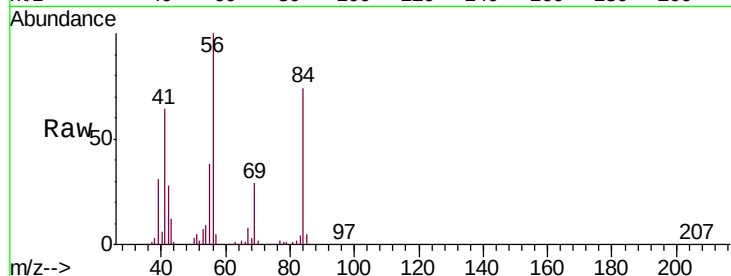




#30
Cyclohexane
Concen: 19.631 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

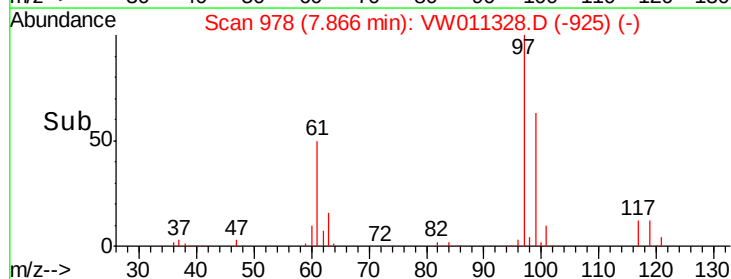
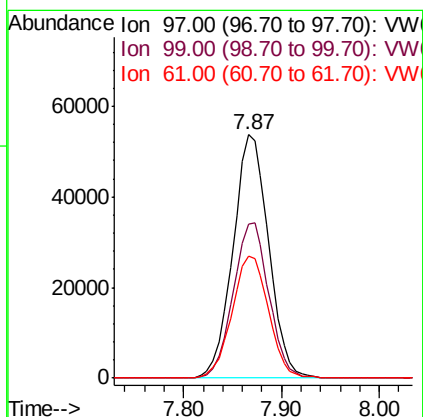
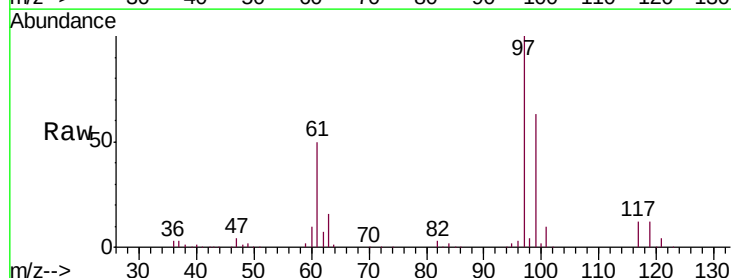
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

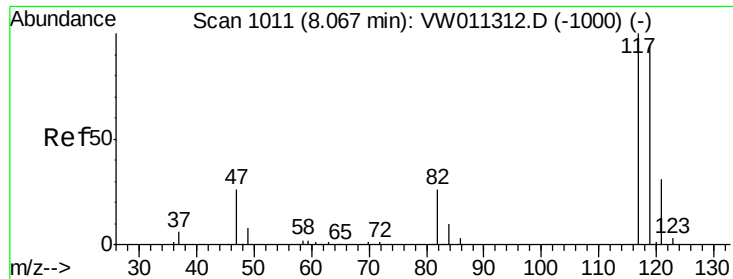
Tgt Ion: 56 Resp: 170536
Ion Ratio Lower Upper
56 100
69 28.0 22.5 33.7
84 76.0 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 22.894 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

Tgt Ion: 97 Resp: 135763
Ion Ratio Lower Upper
97 100
99 63.9 50.6 75.8
61 51.4 40.9 61.3





#32

Carbon tetrachloride

Concen: 22.052 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

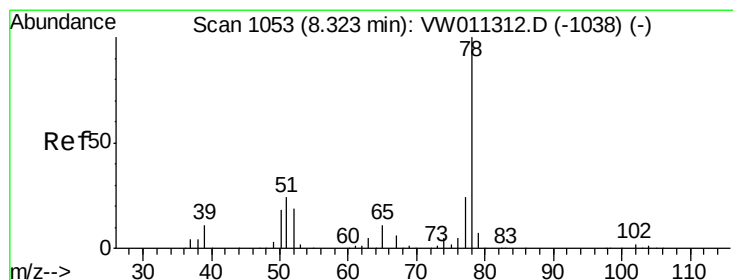
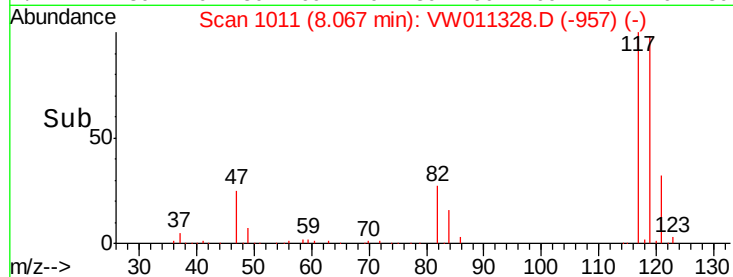
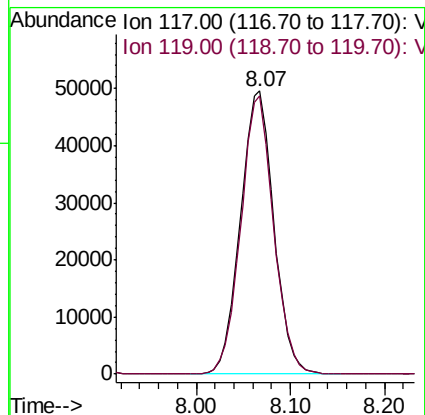
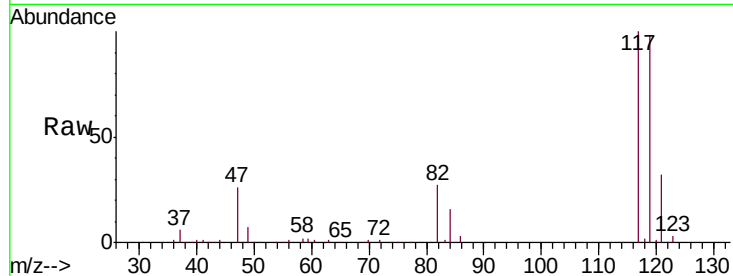
VSTD02512

Tgt Ion:117 Resp: 122640

Ion Ratio Lower Upper

117 100

119 96.5 77.4 116.0



#34

Benzene

Concen: 23.566 ug/L

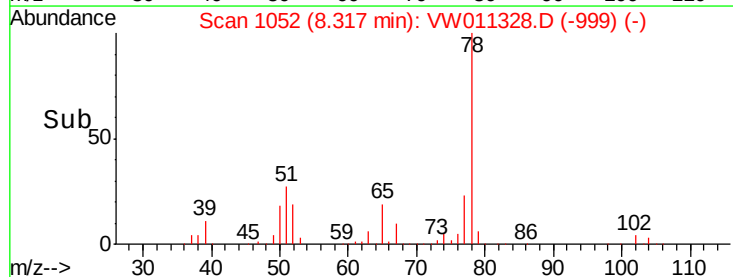
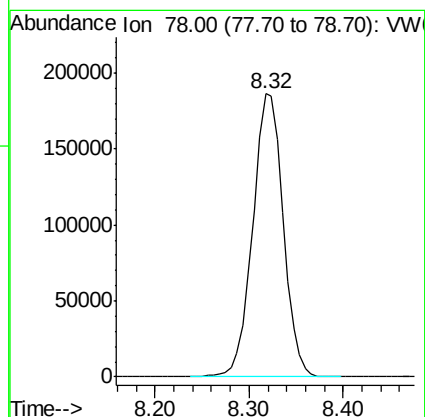
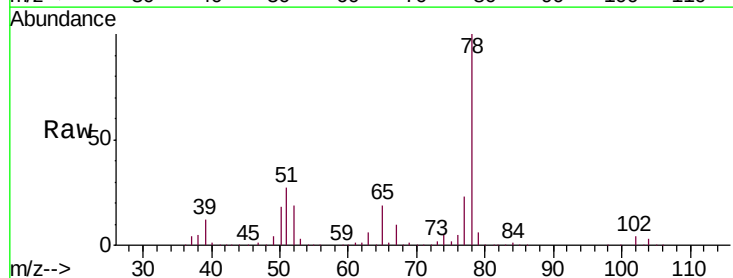
RT: 8.32 min Scan# 1052

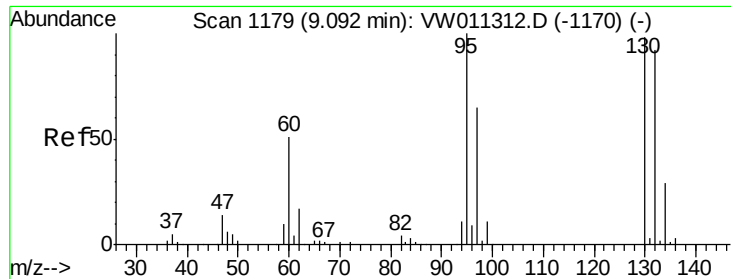
Delta R.T. -0.01 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Tgt Ion: 78 Resp: 420819

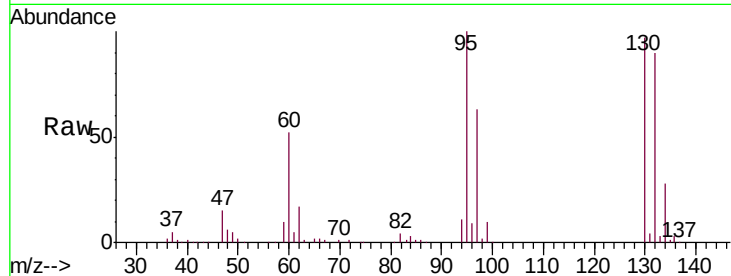




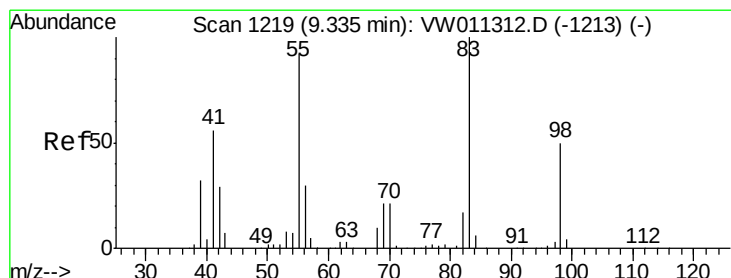
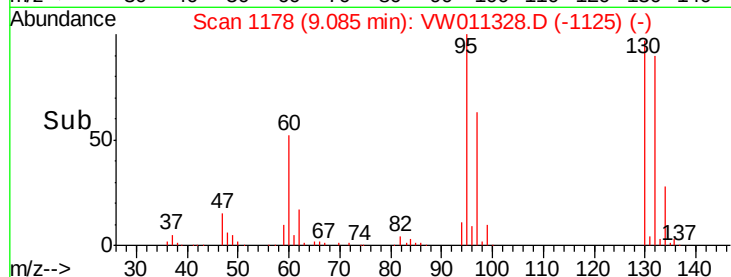
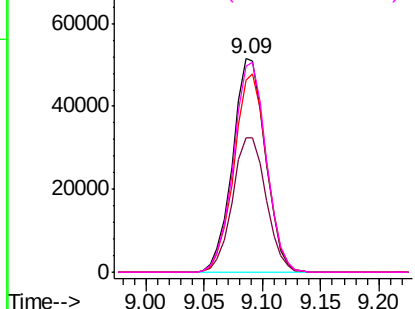
#35
 Trichloroethene
 Concen: 22.509 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:	95	Resp:	101433
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.4	84.2
132	92.6	65.0	120.8
130	98.0	67.8	126.0

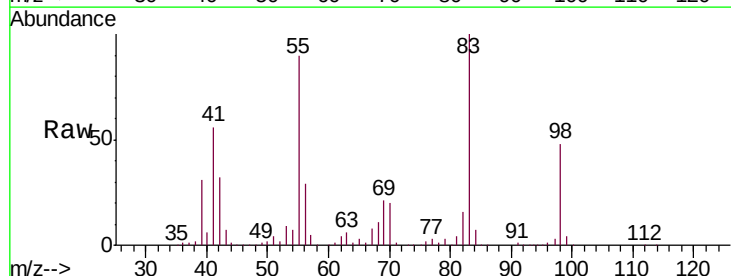


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

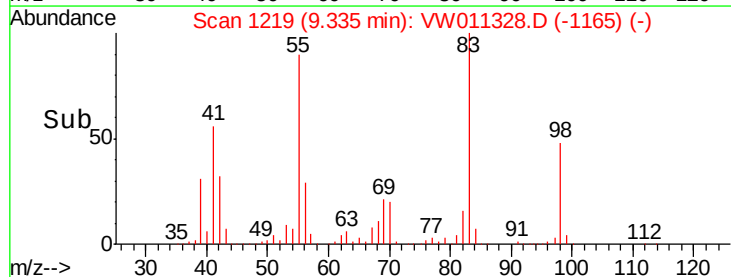
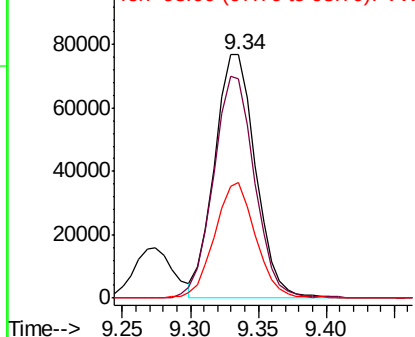


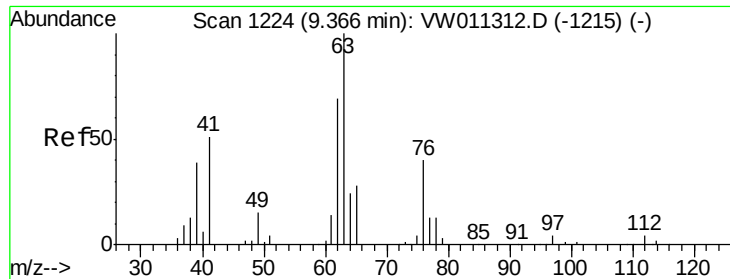
#36
 Methylcyclohexane
 Concen: 19.964 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Tgt Ion:	83	Resp:	161898
Ion	Ratio	Lower	Upper
83	100		
55	90.5	72.2	108.4
98	47.4	38.2	57.4



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.198 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

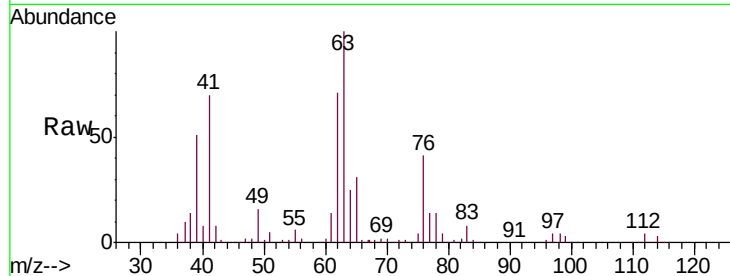
VSTD02512

Tgt Ion: 63 Resp: 123300

Ion Ratio Lower Upper

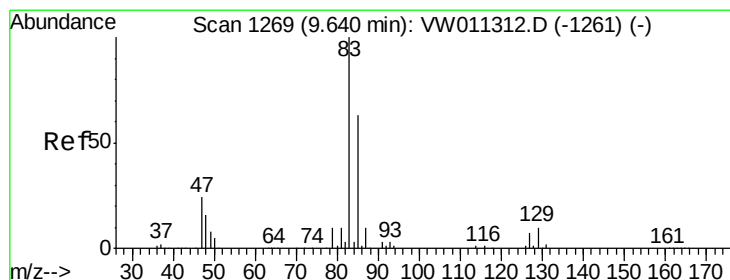
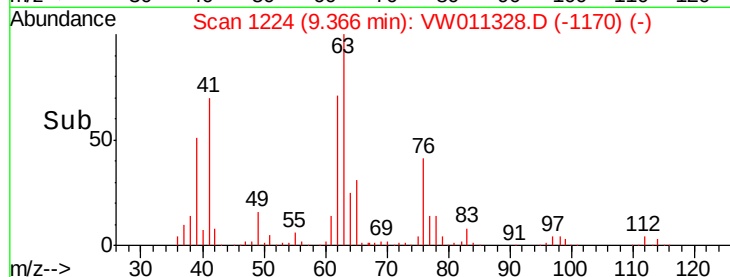
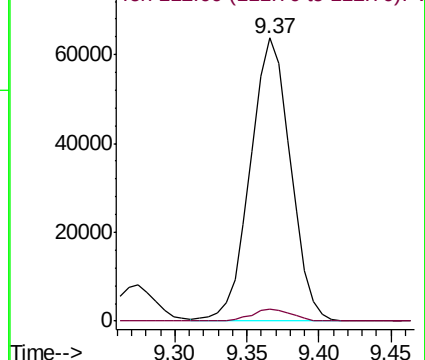
63 100

112 4.3 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.056 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

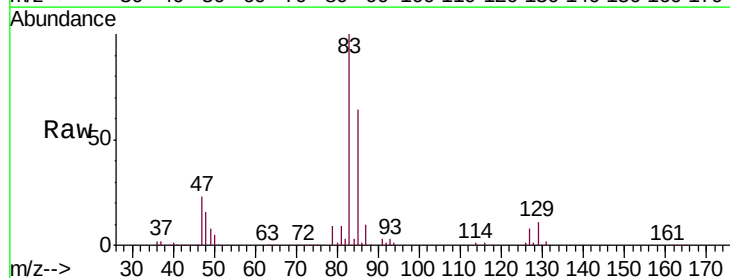
Tgt Ion: 83 Resp: 146992

Ion Ratio Lower Upper

83 100

85 63.9 45.5 84.5

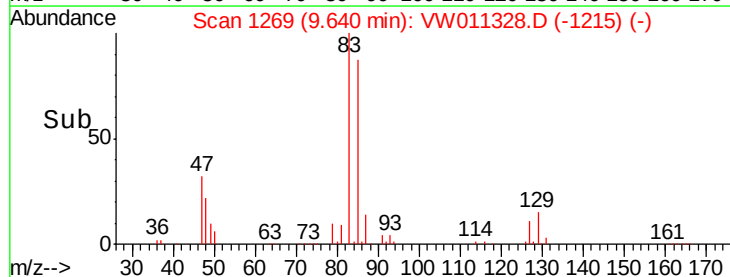
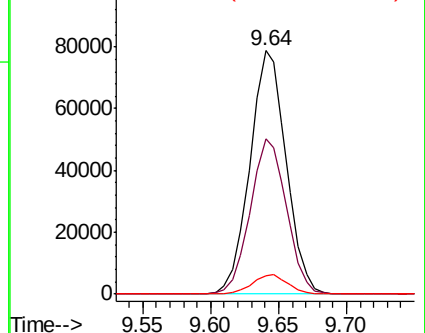
127 7.7 5.8 8.8

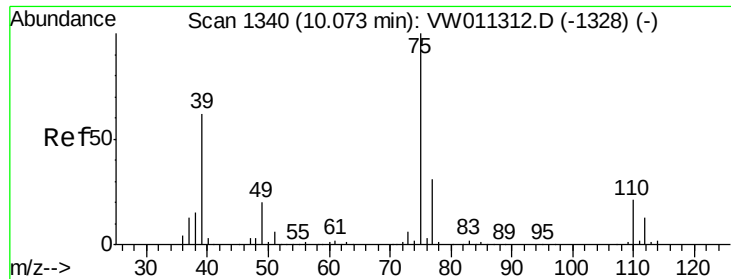


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

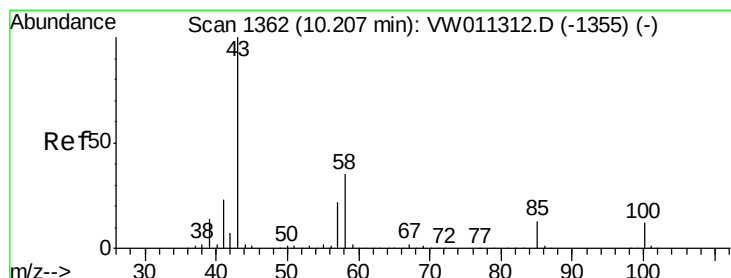
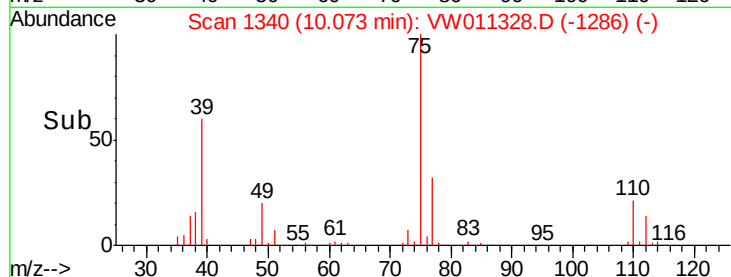
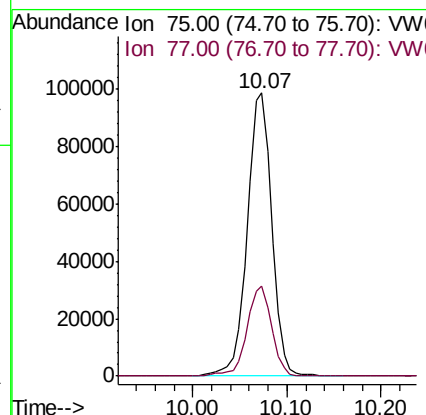
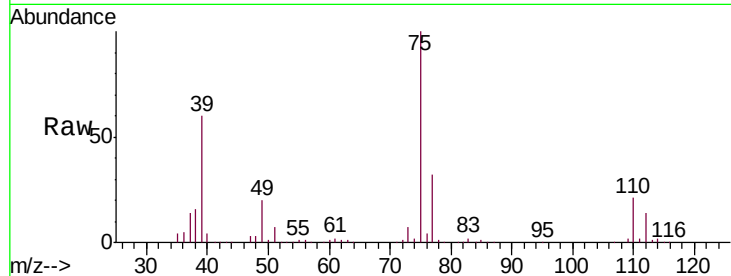




#42
 cis-1,3-Dichloropropene
 Concen: 24.942 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

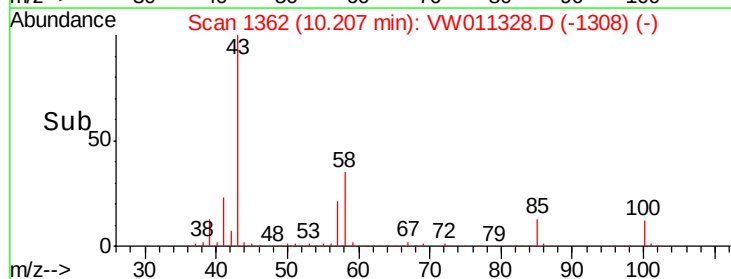
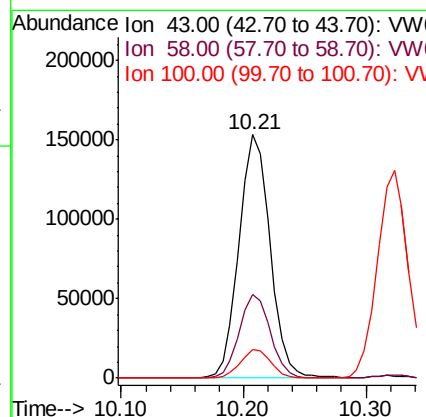
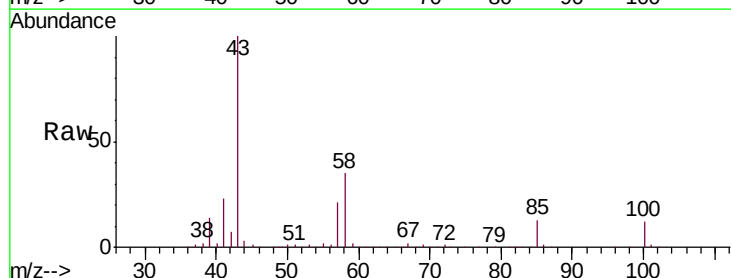
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02512

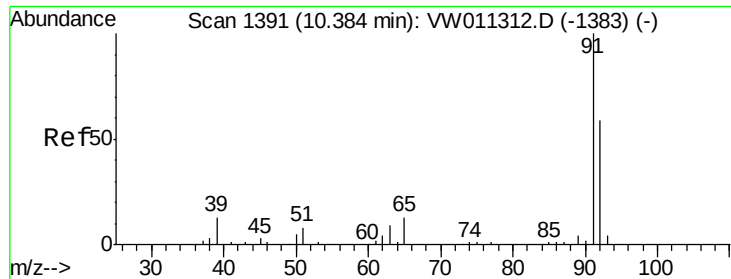
Tgt Ion: 75 Resp: 180077
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 59.462 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Tgt Ion: 43 Resp: 269722
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.1 42.1
 100 11.5 9.3 13.9





#44

Toluene

Concen: 23.860 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

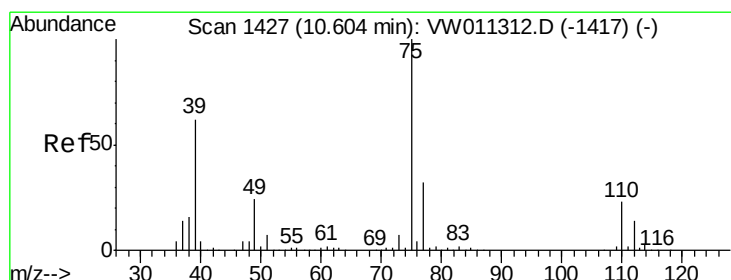
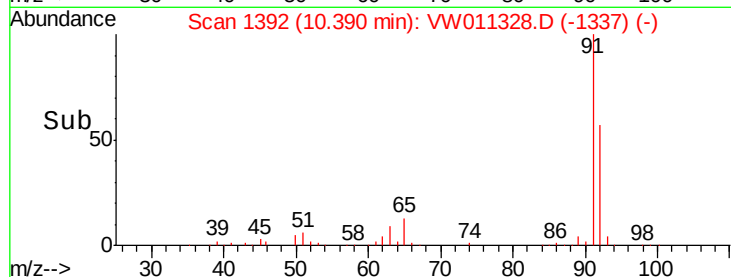
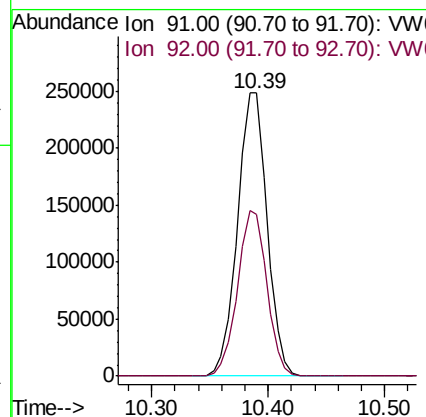
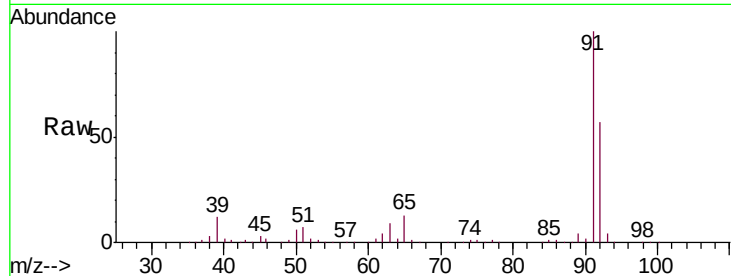
VSTD02512

Tgt Ion: 91 Resp: 441014

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.888 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011328.D

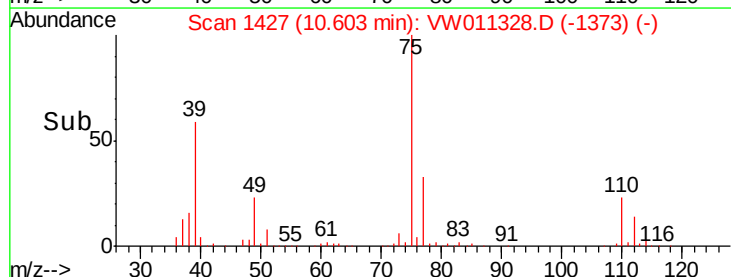
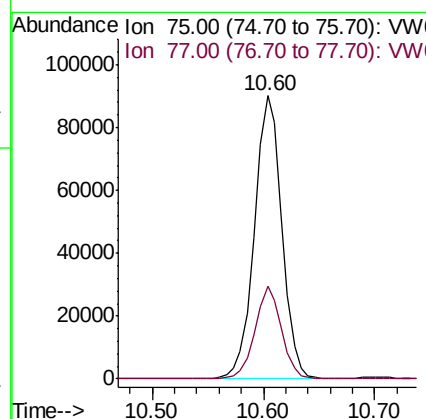
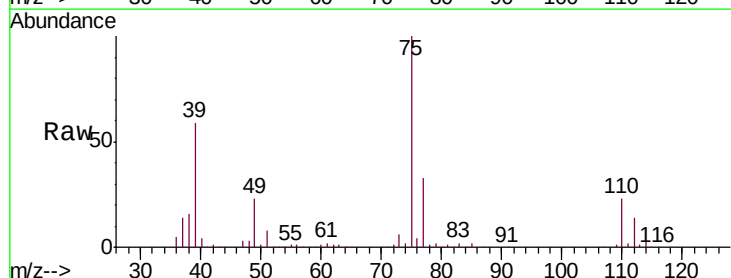
Acq: 18 Jul 2019 01:53

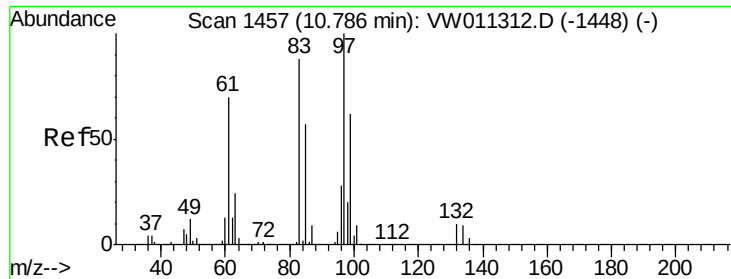
Tgt Ion: 75 Resp: 154655

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5

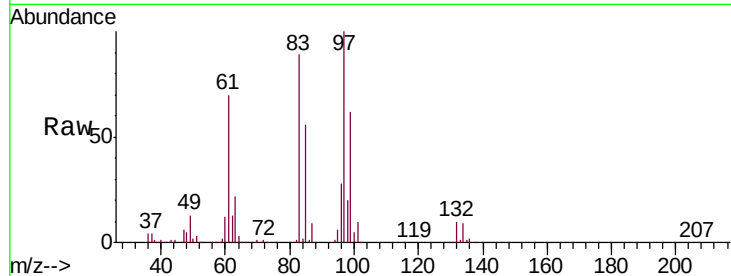




#46
 1,1,2-Trichloroethane
 Concen: 26.916 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:	97	Resp:	91205
Ion	Ratio	Lower	Upper
97	100		
83	88.7	63.1	117.3
85	56.4	39.0	72.4
99	62.1	41.5	77.1



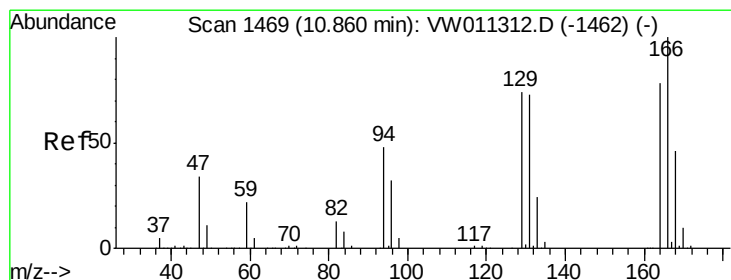
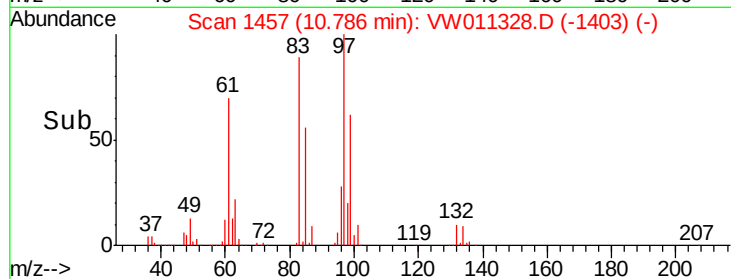
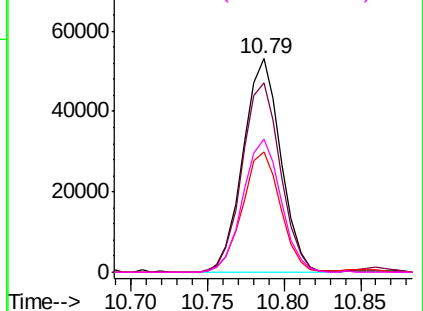
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

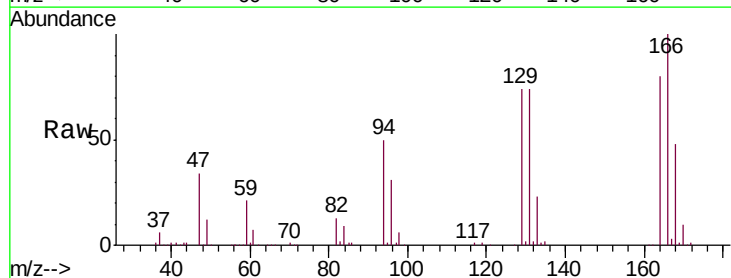
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 21.849 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Tgt Ion:	164	Resp:	74411
Ion	Ratio	Lower	Upper
164	100		
129	93.4	68.5	127.1
131	92.5	64.8	120.4
166	125.6	87.9	163.3



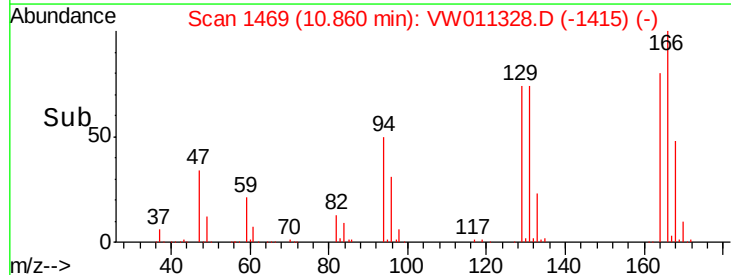
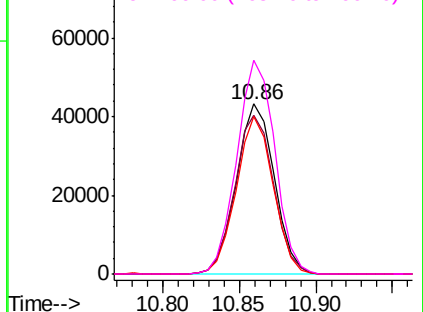
Abundance

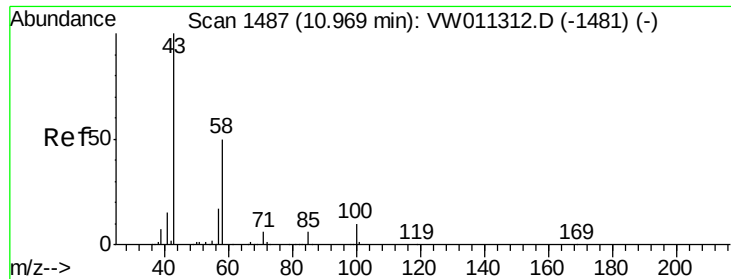
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 58.677 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 43 Resp: 193735

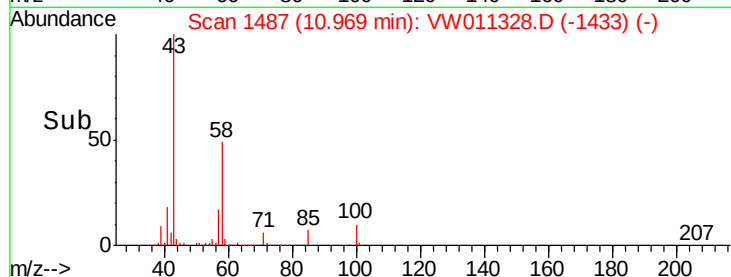
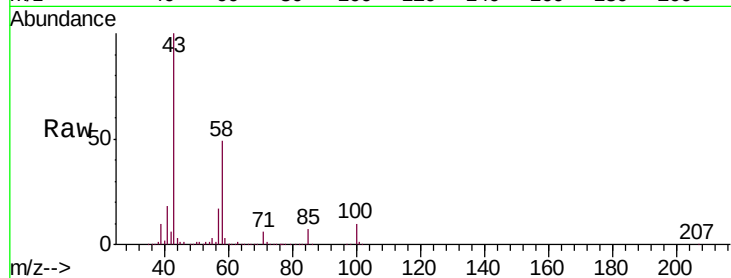
Ion Ratio Lower Upper

43 100

58 47.9 38.4 57.6

57 16.6 13.3 19.9

100 9.2 7.3 10.9

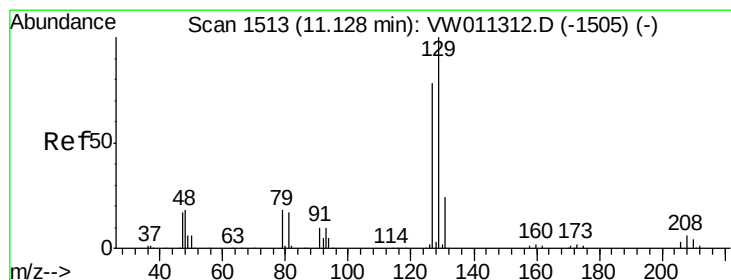
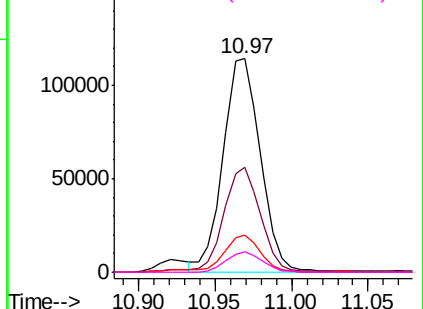


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.883 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011328.D

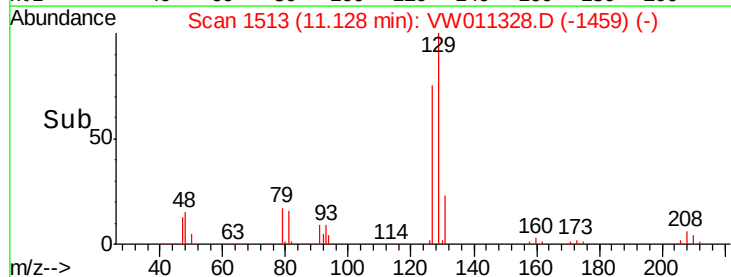
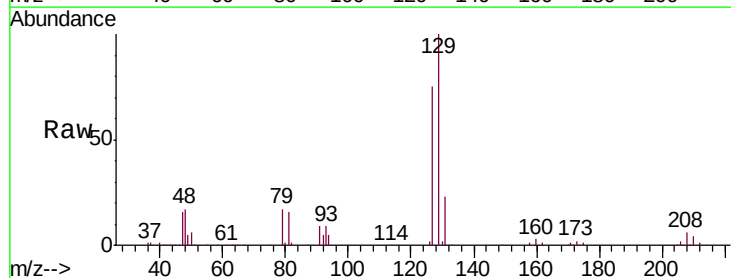
Acq: 18 Jul 2019 01:53

Tgt Ion: 129 Resp: 100611

Ion Ratio Lower Upper

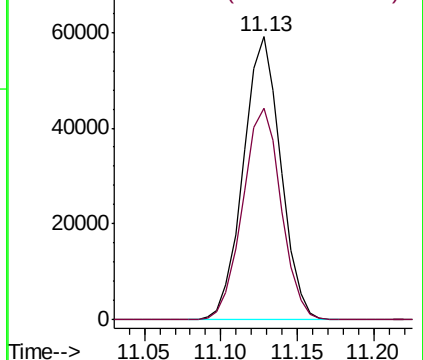
129 100

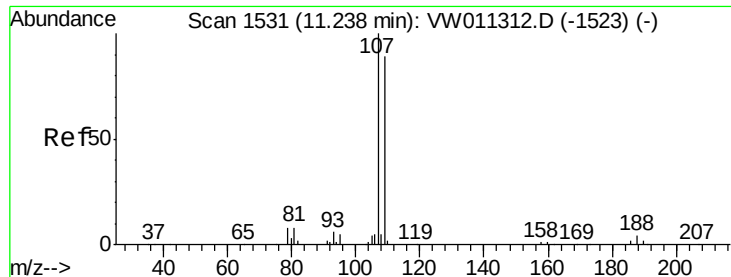
127 75.0 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

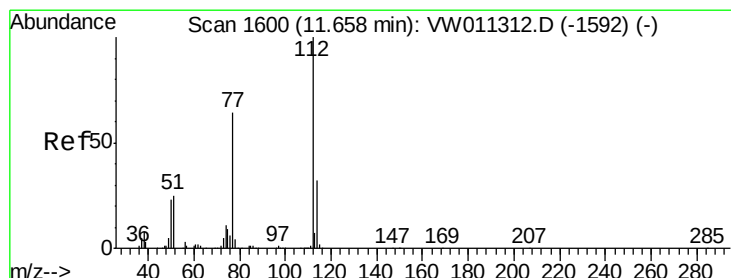
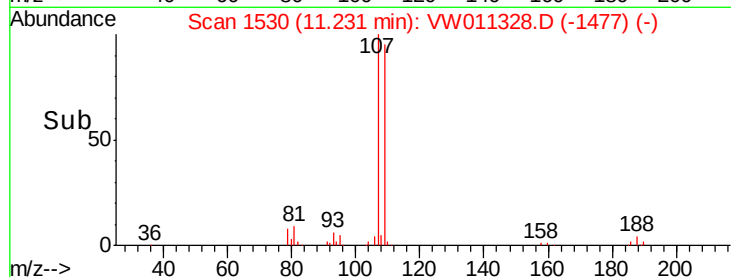
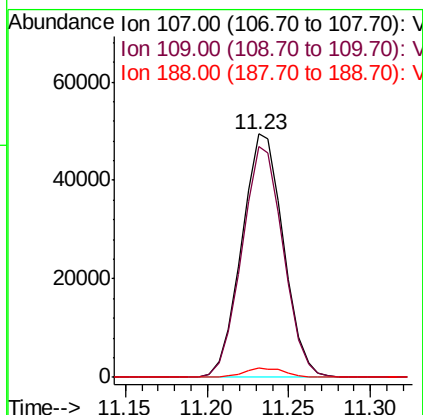
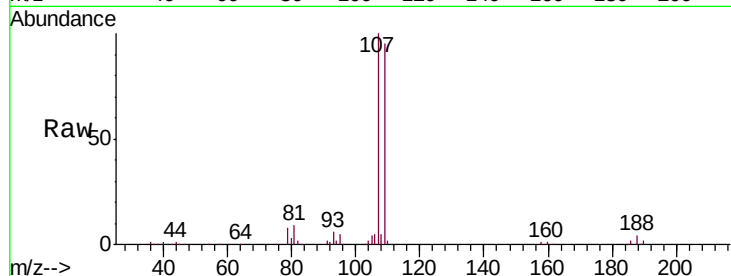




#51
1,2-Dibromoethane
Concen: 26.909 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

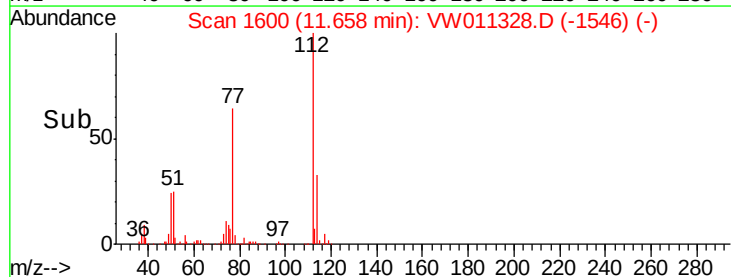
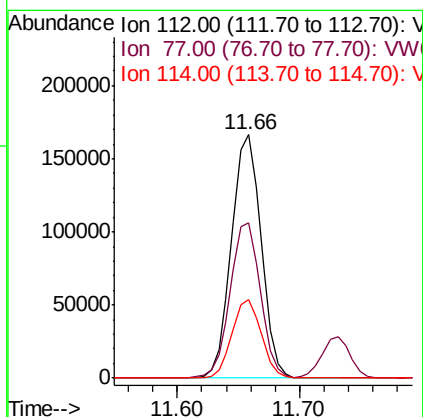
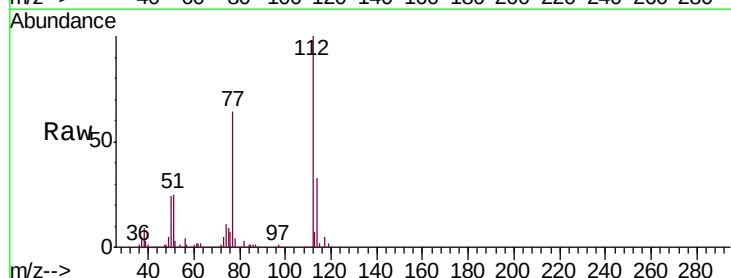
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

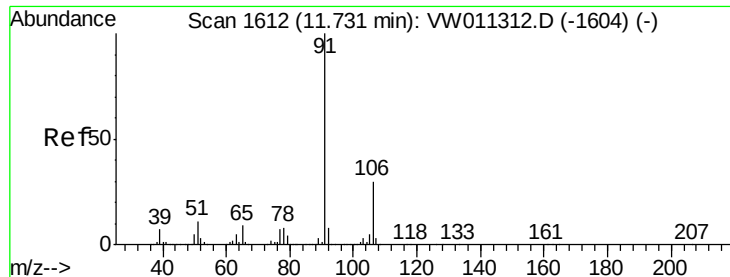
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	64.3	119.3
188	3.8	3.2	4.8



#52
Chlorobenzene
Concen: 24.664 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.9	51.2	76.8
114	32.5	22.0	40.8





#53

Ethylbenzene

Concen: 23.665 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

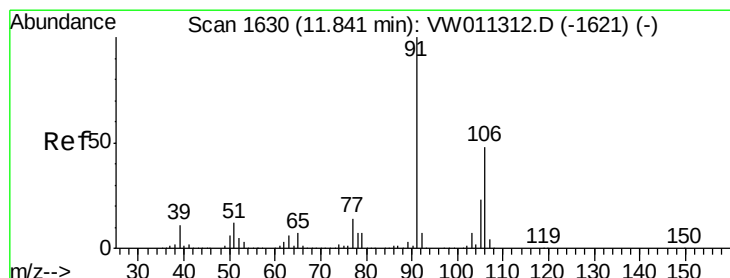
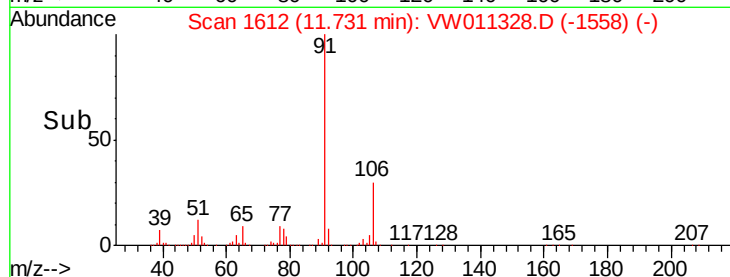
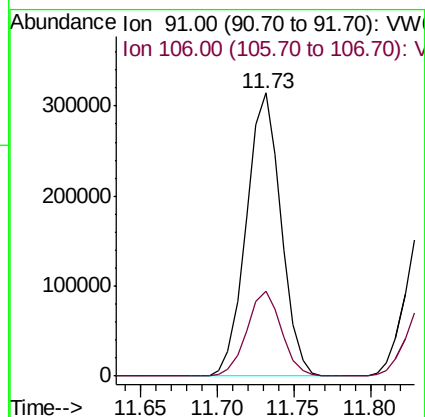
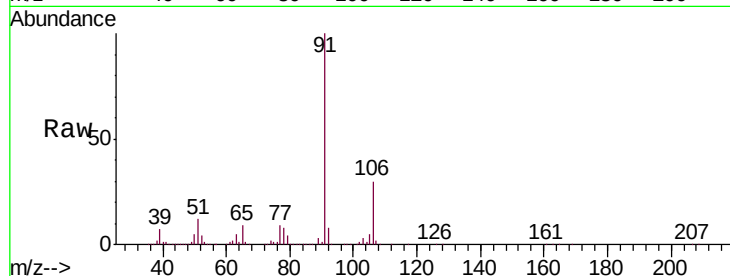
VSTD02512

Tgt Ion: 91 Resp: 496137

Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



#54

m,p-Xylene

Concen: 23.558 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011328.D

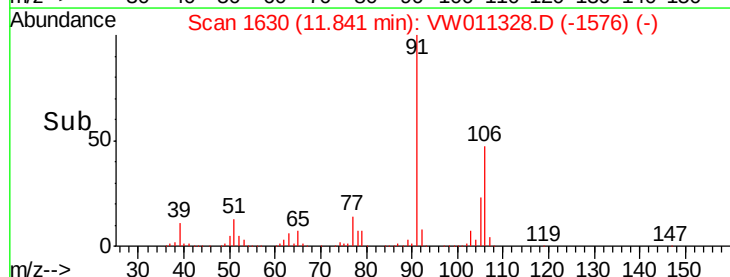
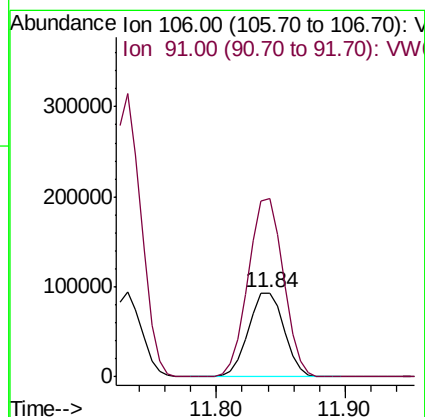
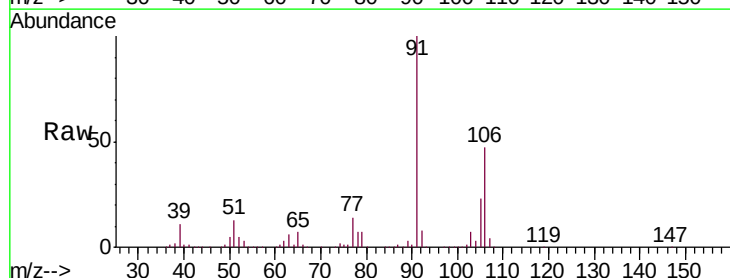
Acq: 18 Jul 2019 01:53

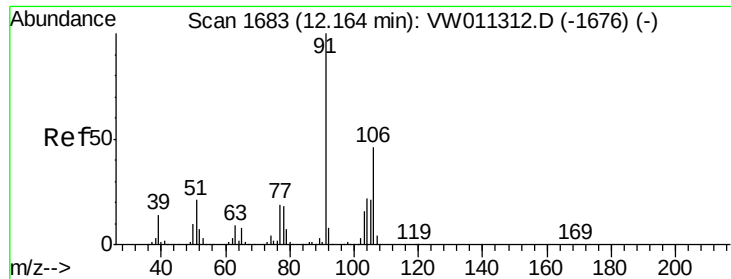
Tgt Ion: 106 Resp: 179322

Ion Ratio Lower Upper

106 100

91 212.8 142.6 264.8

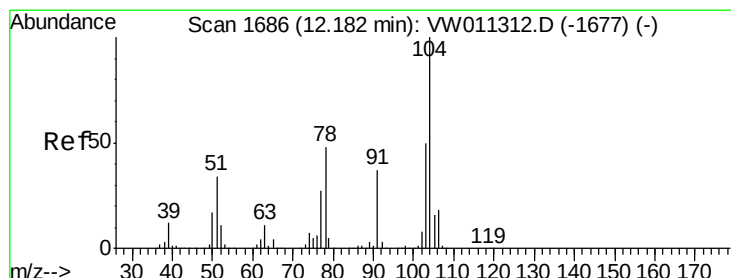
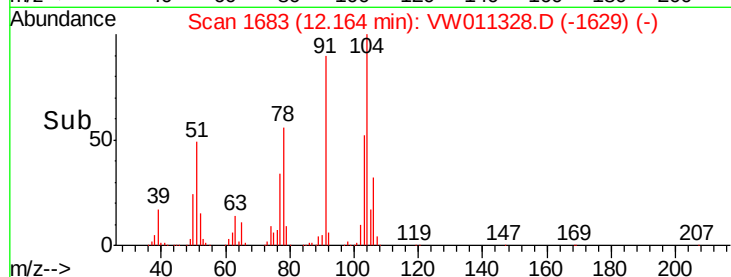
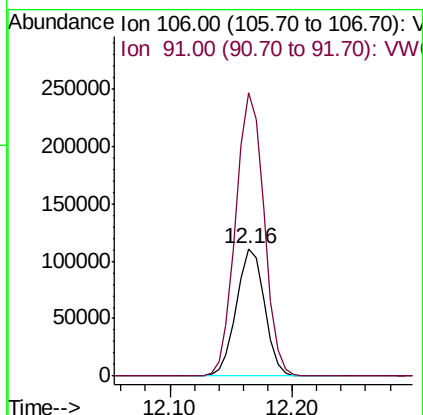
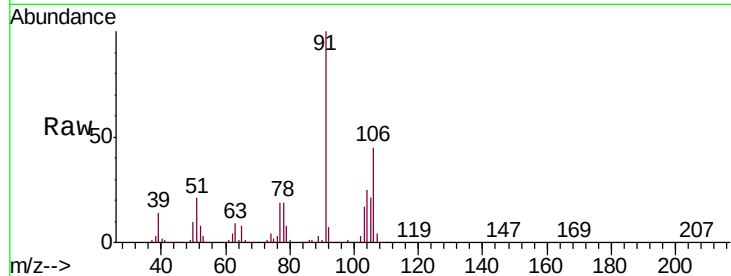




#55
o-xylene
Concen: 24.406 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

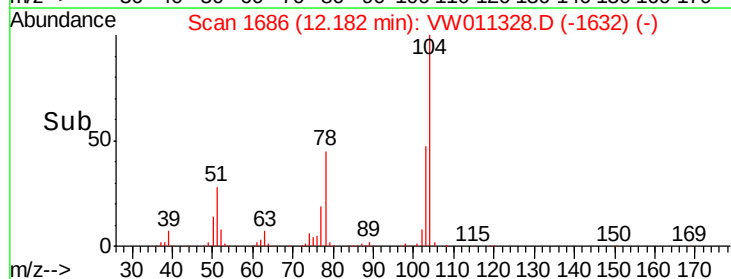
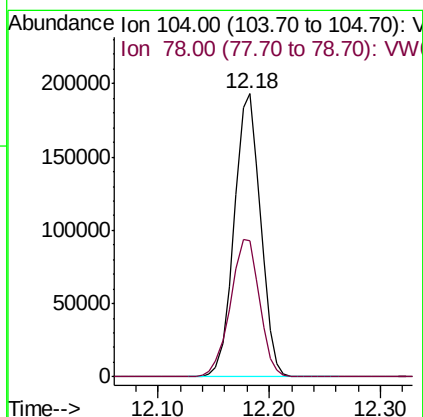
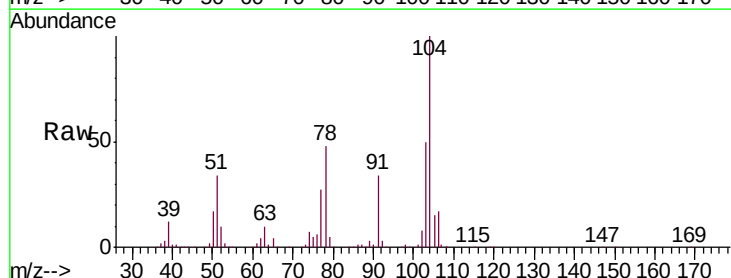
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

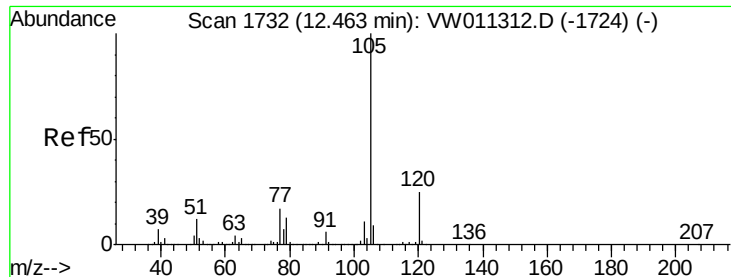
Tgt Ion:106 Resp: 176726
Ion Ratio Lower Upper
106 100
91 221.5 154.6 287.2



#56
Styrene
Concen: 25.455 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011328.D
Acq: 18 Jul 2019 01:53

Tgt Ion:104 Resp: 316197
Ion Ratio Lower Upper
104 100
78 47.9 33.7 62.7





#57

Isopropylbenzene

Concen: 23.704 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

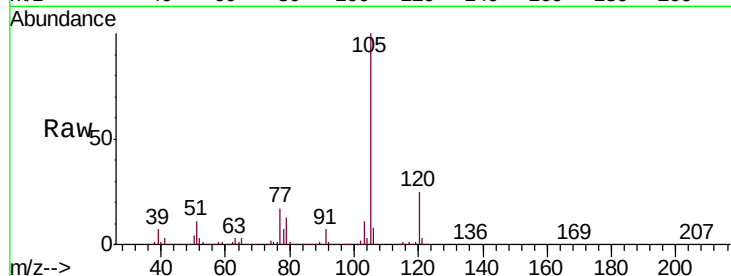
Tgt Ion: 105 Resp: 468548

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

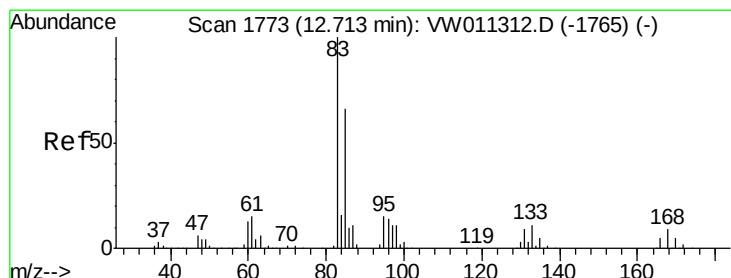
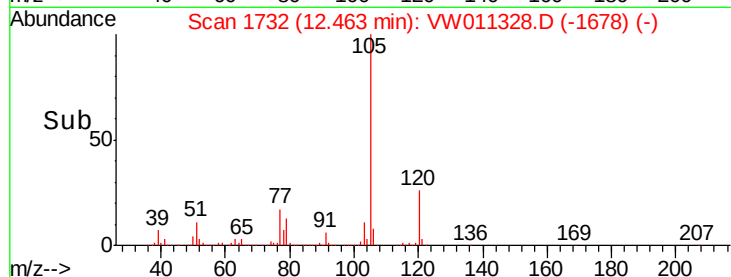
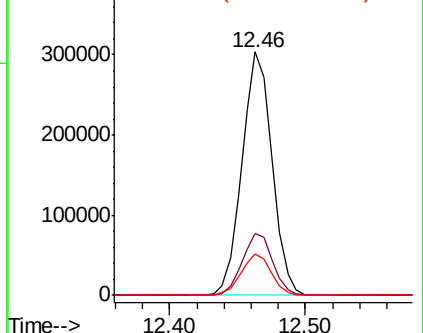
77 17.1 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.547 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

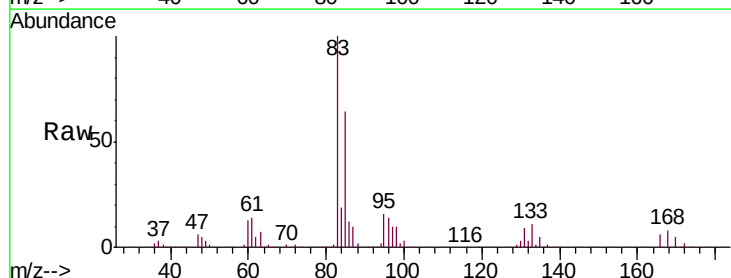
Tgt Ion: 83 Resp: 128689

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.6

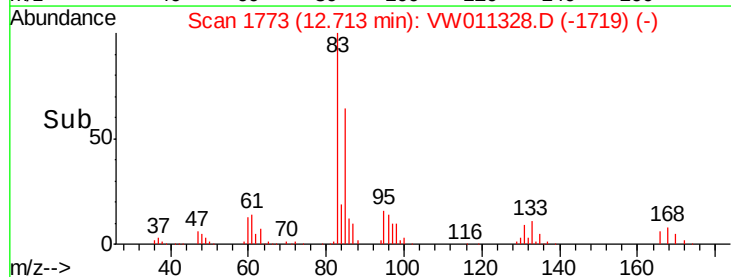
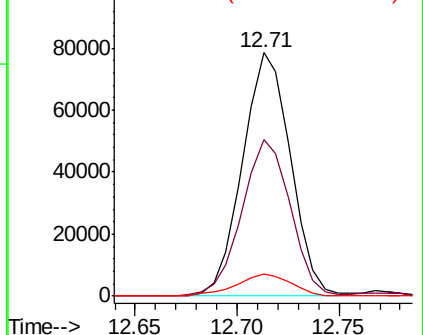
131 8.9 6.7 10.1

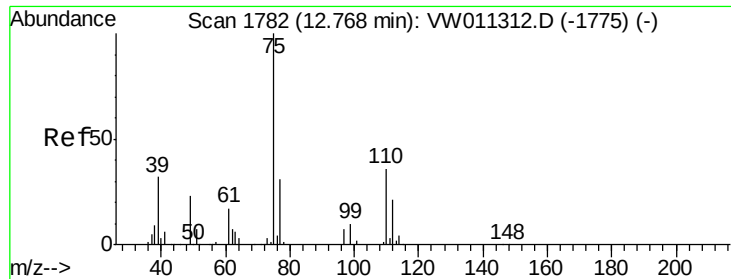


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.075 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

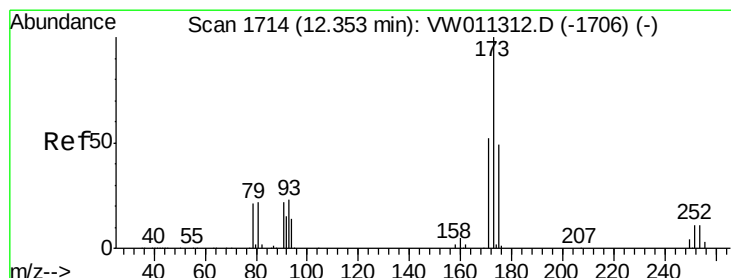
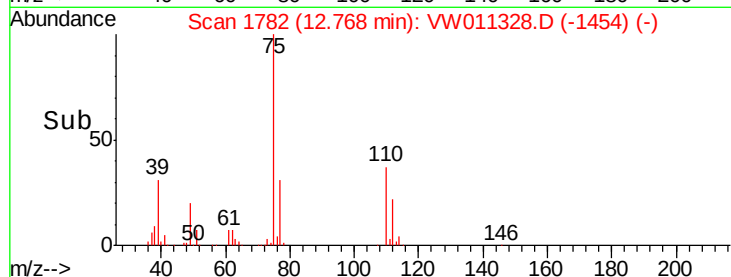
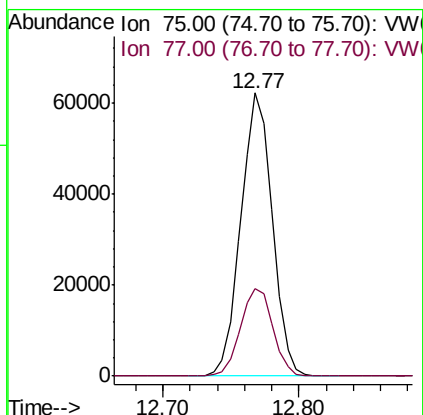
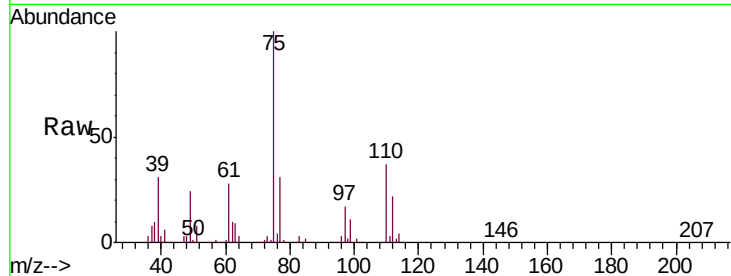
VSTD02512

Tgt Ion: 75 Resp: 100652

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 28.545 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

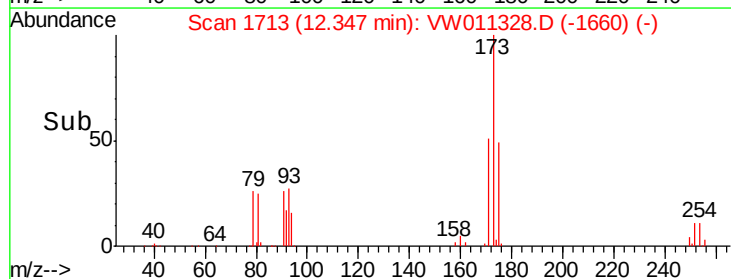
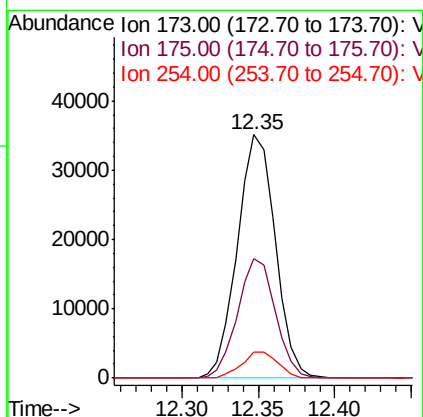
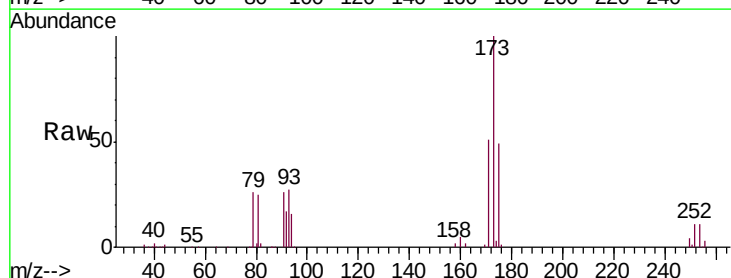
Tgt Ion: 173 Resp: 60659

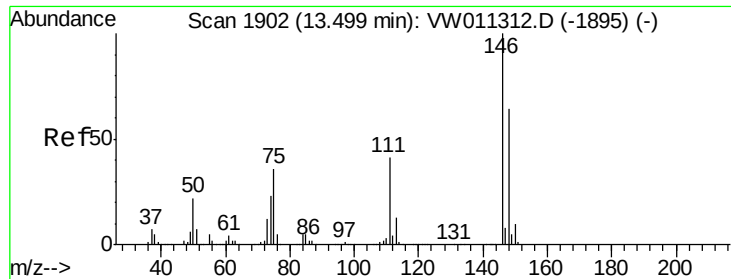
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

254 10.3 8.5 12.7

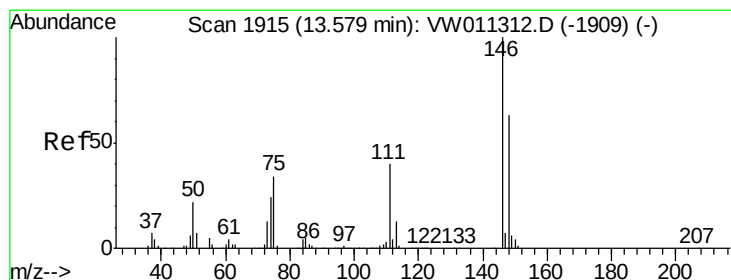
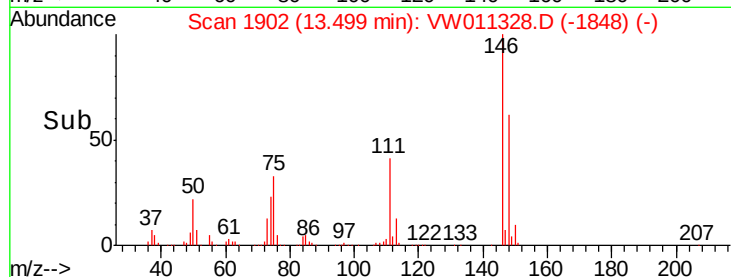
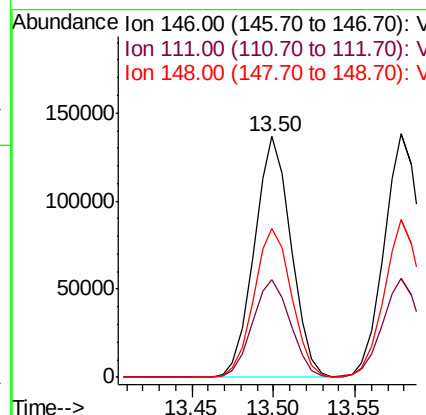
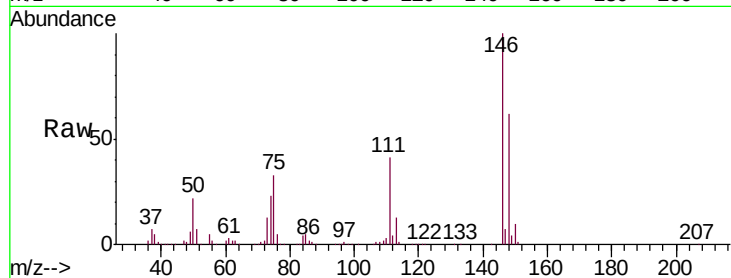




#63
 1,3-Dichlorobenzene
 Concen: 24.378 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

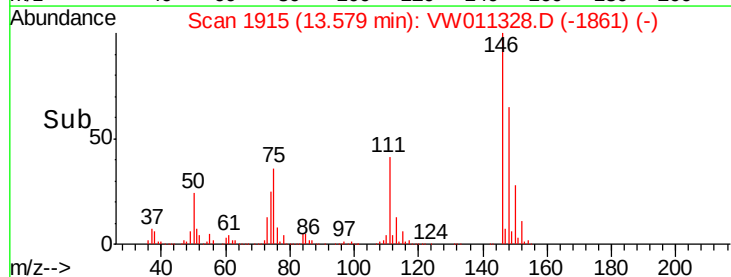
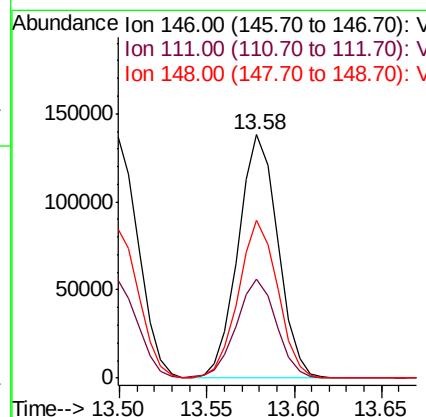
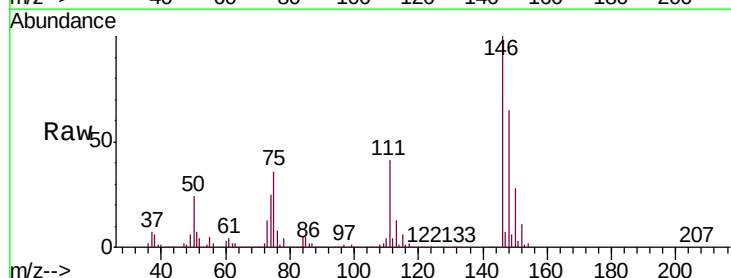
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

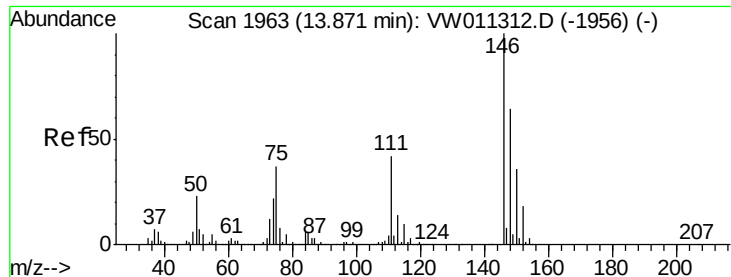
Tgt Ion:146 Resp: 213858
 Ion Ratio Lower Upper
 146 100
 111 40.5 29.0 53.8
 148 62.1 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.297 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Tgt Ion:146 Resp: 218192
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.5 51.1
 148 64.9 43.8 81.3

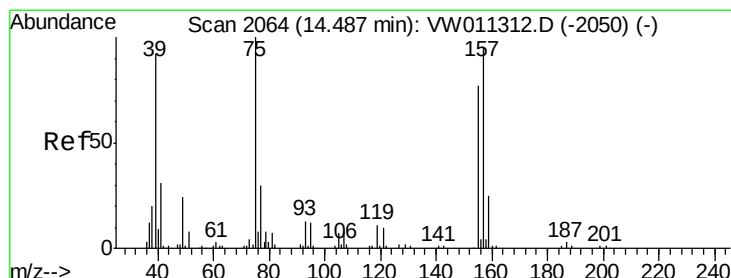
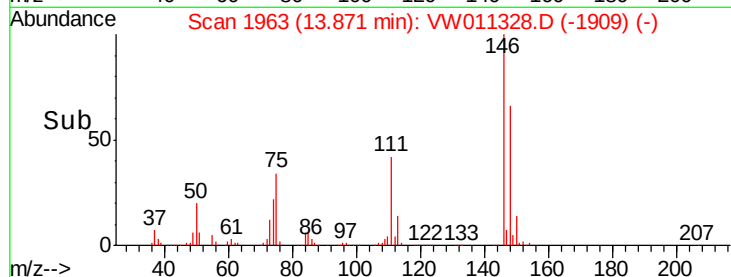
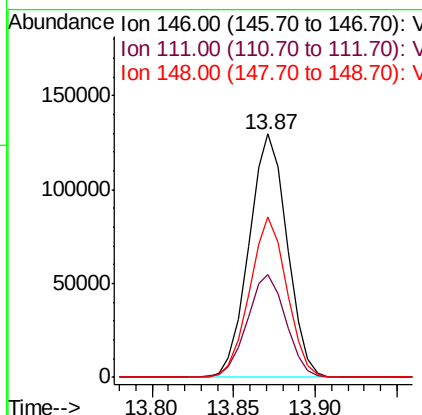
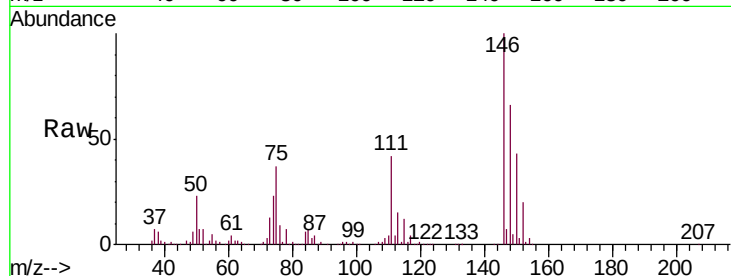




#65
 1,2-Dichlorobenzene
 Concen: 25.828 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

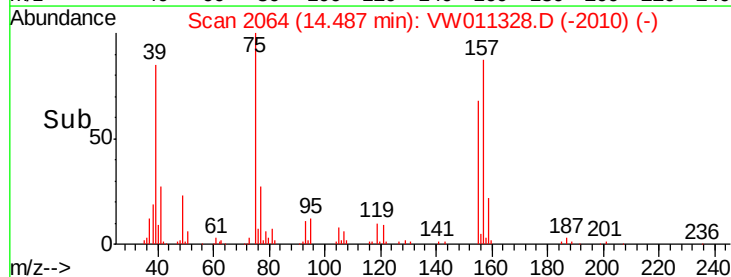
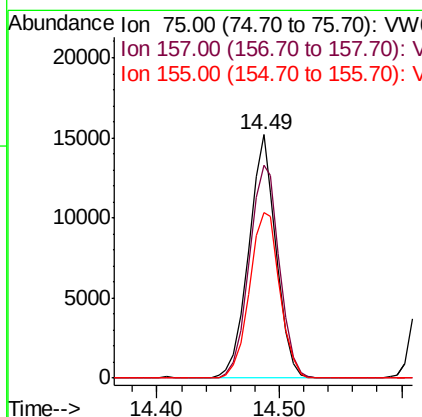
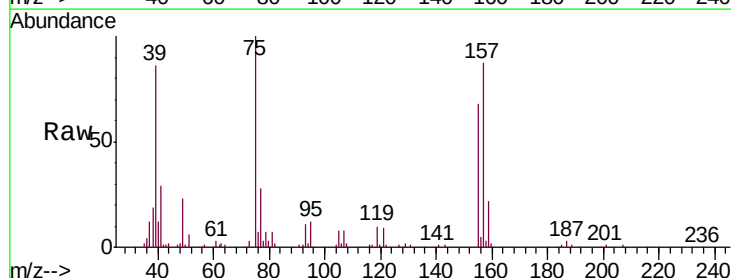
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

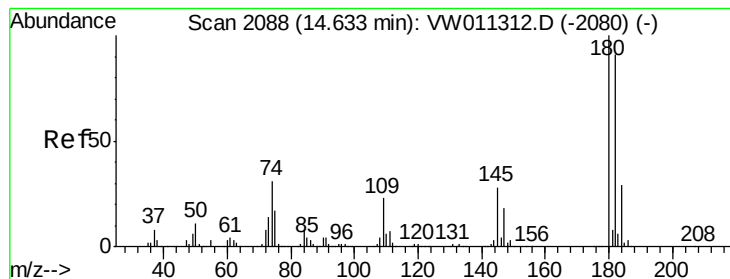
Tgt Ion:146 Resp: 210905
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.1 51.1
 148 65.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.459 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011328.D
 Acq: 18 Jul 2019 01:53

Tgt Ion: 75 Resp: 23617
 Ion Ratio Lower Upper
 75 100
 157 87.5 75.3 112.9
 155 68.2 60.2 90.2





#67

1,3,5-Trichlorobenzene

Concen: 24.220 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion:180 Resp: 160981

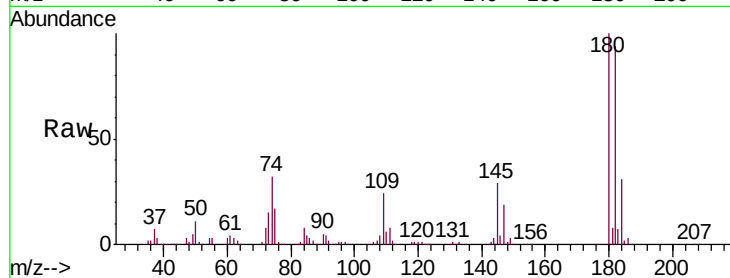
Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

184 30.5 24.3 36.5

145 29.7 24.2 36.2

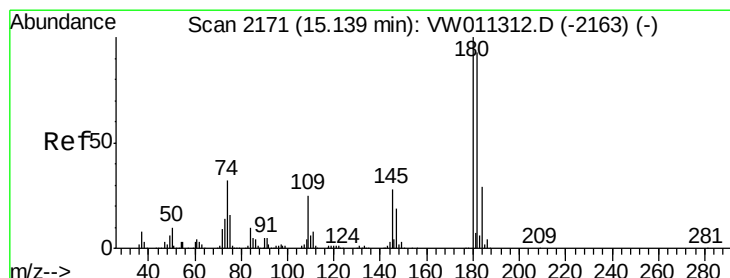
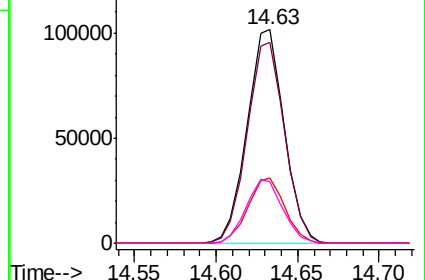
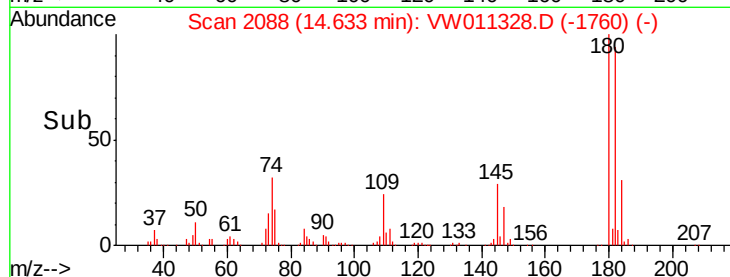


Abundance Ion 180.00 (179.70 to 180.70): V

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: 25.408 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

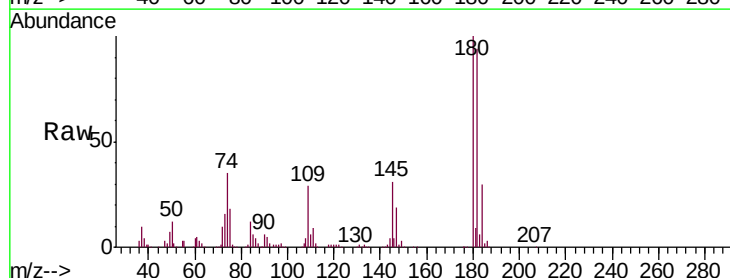
Tgt Ion:180 Resp: 141477

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.6

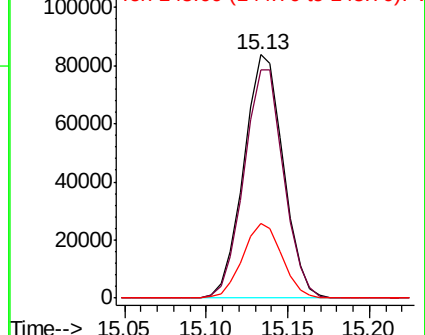
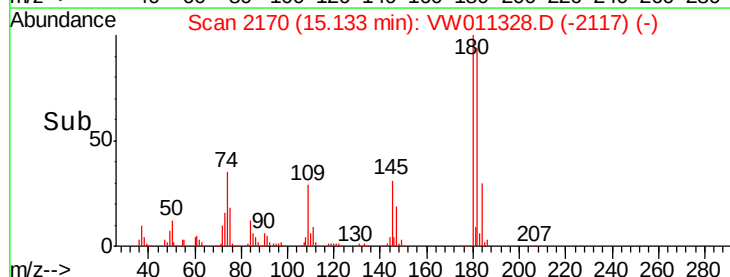
145 30.5 24.5 36.7

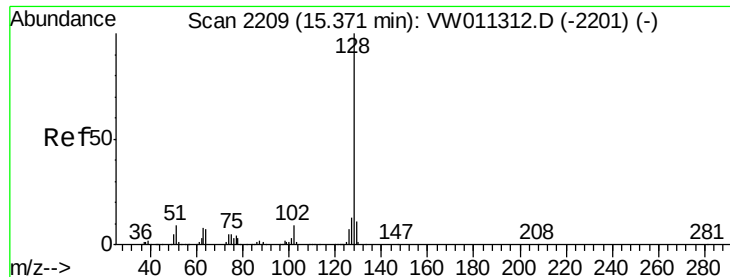


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.080 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

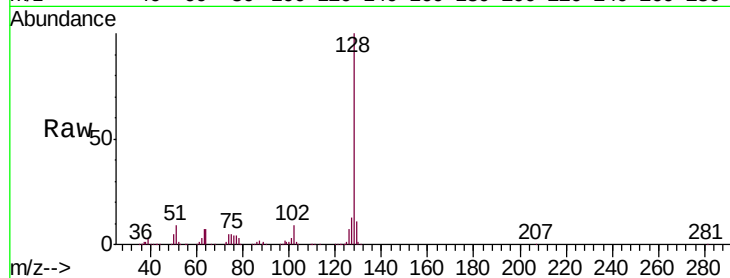
Tgt Ion:128 Resp: 350785

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

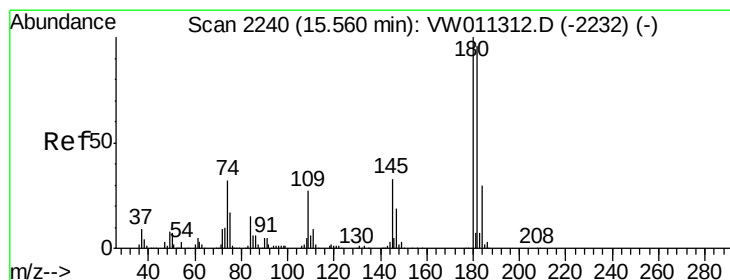
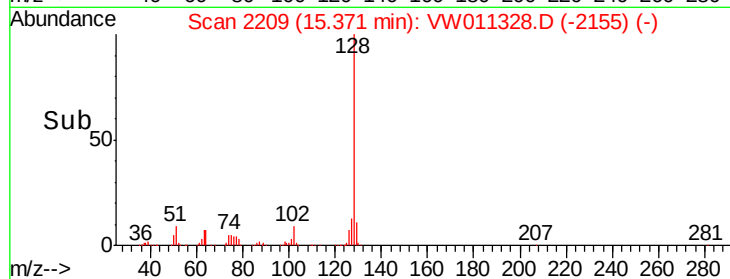
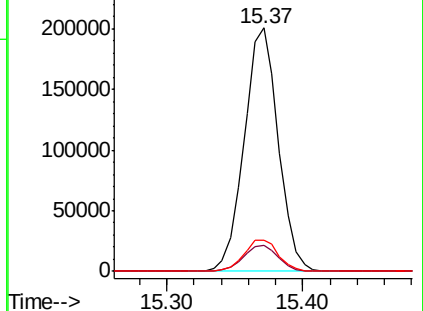
127 13.1 10.6 15.8



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: 27.214 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011328.D

Acq: 18 Jul 2019 01:53

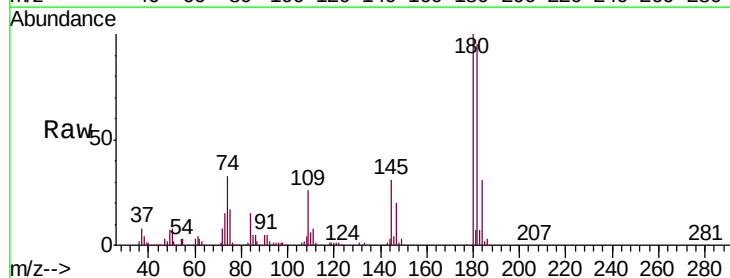
Tgt Ion:180 Resp: 138649

Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 32.2 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

