

Data File : VW011564.D
Acq On : 29 Jul 2019 17:06
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

Quant Time: Jul 30 06:00:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 05:56:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	388279	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347144	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	169042	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107397	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.89	69	84484	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	4.03	63	264041	22.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.92%
20) 2-Butanone-d5	7.07	46	111420	50.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.96%
24) Chloroform-d	7.65	84	240478	24.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	8.31	65	145882	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.72%
29) Benzene-d6	8.27	84	472298	22.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.00%
33) 1,2-Dichloropropane-d6	9.27	67	160400	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.36%
37) Toluene-d8	10.32	98	416714	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.60%
38) trans-1,3-Dichloropropene-	10.58	79	67609	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.08%
39) 2-Hexanone-d5	10.92	63	76755	52.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135998	25.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	146026	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	126653	26.740 ug/L	97
3) Chloromethane	2.21	50	127029	22.104 ug/L	98
5) Vinyl chloride	2.36	62	171723	25.372 ug/L	98
6) Bromomethane	2.78	94	79766	24.412 ug/L	100
8) Chloroethane	2.92	64	88852	24.653 ug/L	100
9) Trichlorofluoromethane	3.26	101	80289	24.942 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	133757	25.891 ug/L	100
12) 1,1-Dichloroethene	4.04	96	128281	24.874 ug/L	90
13) Acetone	4.12	43	105517	45.185 ug/L	99
14) Carbon disulfide	4.38	76	411324	24.599 ug/L	99
15) Methyl Acetate	4.67	43	92971	25.928 ug/L	98
16) Methylene chloride	4.92	84	140240	24.812 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	218328	26.777 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	132467	24.907 ug/L	98
19) 1,1-Dichloroethane	6.21	63	272474	25.793 ug/L	99
21) 2-Butanone	7.17	43	140168	46.706 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	142011	25.207 ug/L	98

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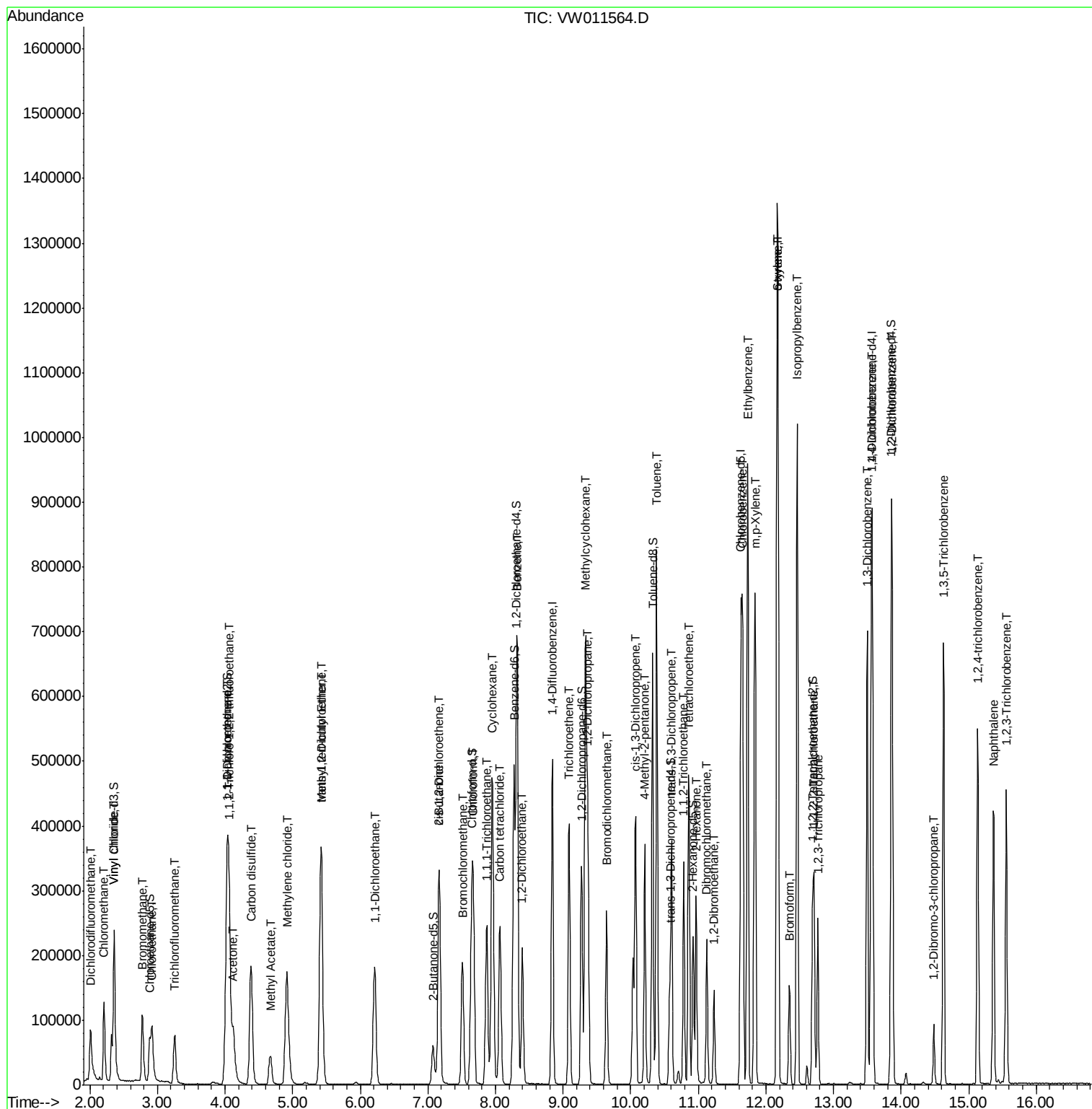
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60078	25.515	ug/L	97
25) Chloroform	7.67	83	250343	25.726	ug/L	99
27) 1,2-Dichloroethane	8.40	62	186094	26.238	ug/L	98
30) Cyclohexane	7.95	56	281633	24.907	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	194384	25.155	ug/L	99
32) Carbon tetrachloride	8.07	117	182447	25.406	ug/L	100
34) Benzene	8.32	78	565166	25.080	ug/L	100
35) Trichloroethene	9.09	95	142583	24.895	ug/L	98
36) Methylcyclohexane	9.34	83	259432	24.910	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153175	25.301	ug/L	100
41) Bromodichloromethane	9.65	83	180193	25.456	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	231599	25.463	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	262983	50.740	ug/L	99
44) Toluene	10.38	91	585256	25.321	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	190083	25.429	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	102575	25.311	ug/L	98
47) Tetrachloroethene	10.86	164	108440	24.679	ug/L	97
49) 2-Hexanone	10.97	43	197475	50.476	ug/L	100
50) Dibromochloromethane	11.13	129	115060	25.649	ug/L	98
51) 1,2-Dibromoethane	11.23	107	100556	25.657	ug/L	99
52) Chlorobenzene	11.66	112	351007	25.182	ug/L	98
53) Ethylbenzene	11.73	91	654017	25.141	ug/L	100
54) m,p-Xylene	11.84	106	237012	24.878	ug/L	99
55) o-xylene	12.16	106	227865	25.377	ug/L	95
56) Styrene	12.18	104	390765	25.869	ug/L	100
57) Isopropylbenzene	12.46	105	625519	25.575	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	135359	25.713	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	103771	25.800	ug/L	100
62) Bromoform	12.35	173	68124	25.462	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	263532	24.619	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	268692	24.713	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	245354	24.910	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23476	25.006	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	202454	24.793	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	167494	24.750	ug/L	99
69) Naphthalene	15.36	128	351266	25.498	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	152938	24.945	ug/L	100

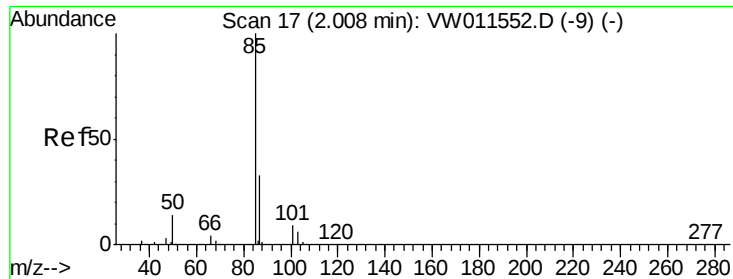
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.740 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

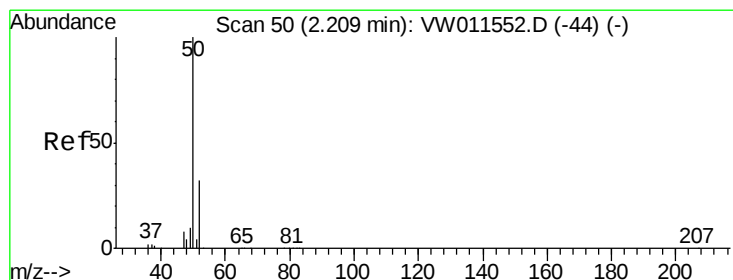
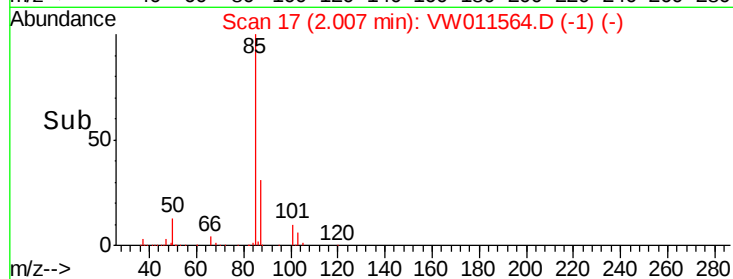
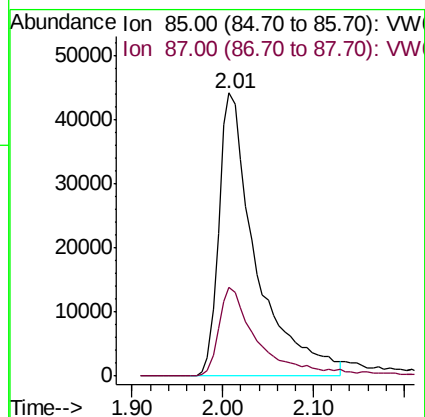
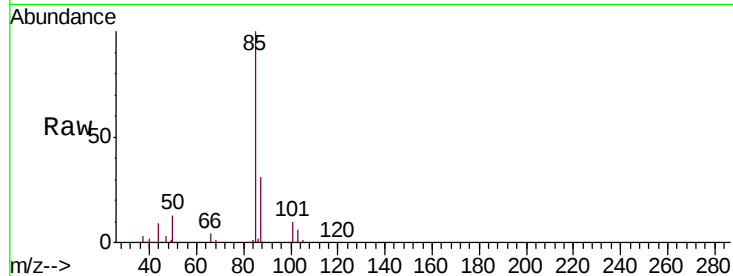
VSTD02522

Tgt Ion: 85 Resp: 126653

Ion Ratio Lower Upper

85 100

87 31.3 20.6 38.2



#3

Chloromethane

Concen: 22.104 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011564.D

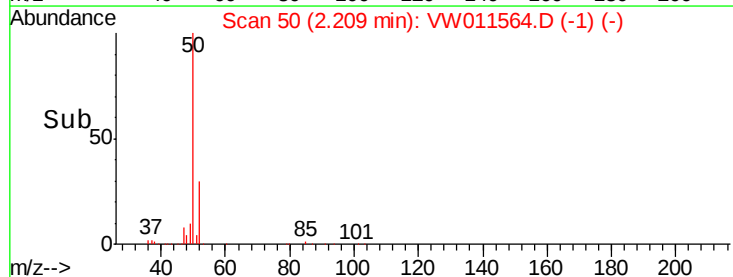
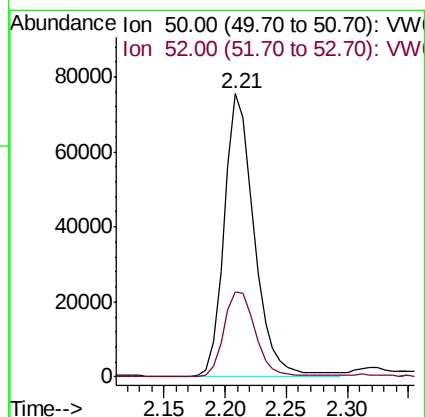
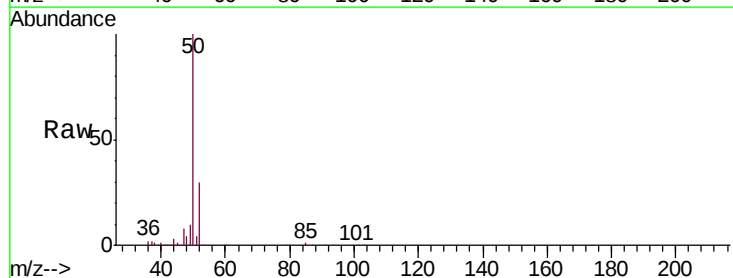
Acq: 29 Jul 2019 17:06

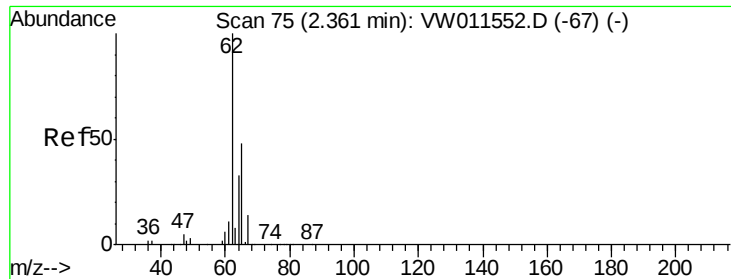
Tgt Ion: 50 Resp: 127029

Ion Ratio Lower Upper

50 100

52 30.2 22.0 41.0





#5

Vinyl chloride

Concen: 25.372 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

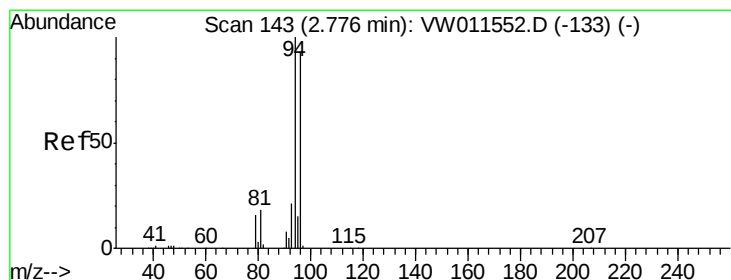
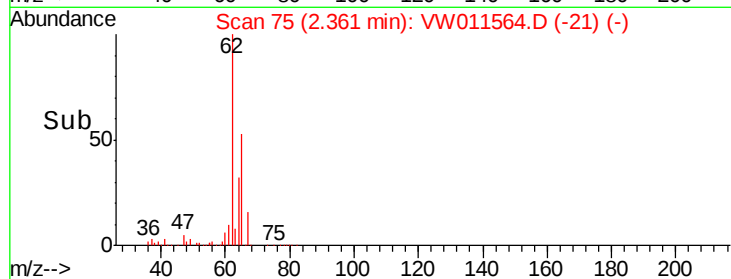
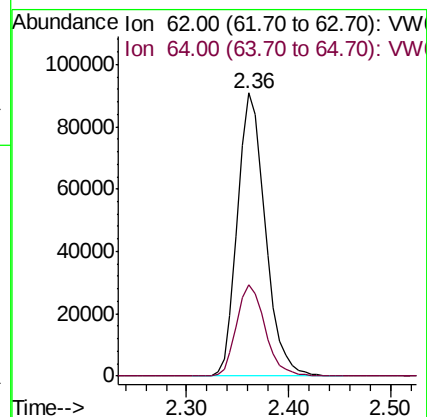
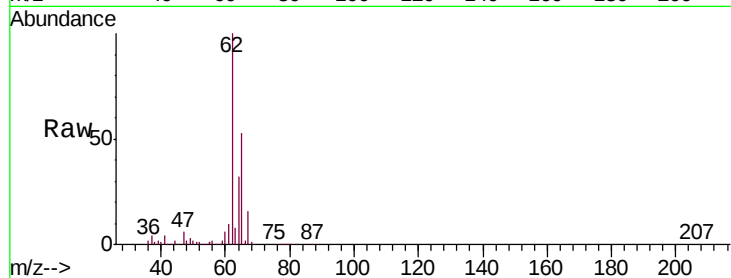
VSTD02522

Tgt Ion: 62 Resp: 171723

Ion Ratio Lower Upper

62 100

64 32.1 23.3 43.3



#6

Bromomethane

Concen: 24.412 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011564.D

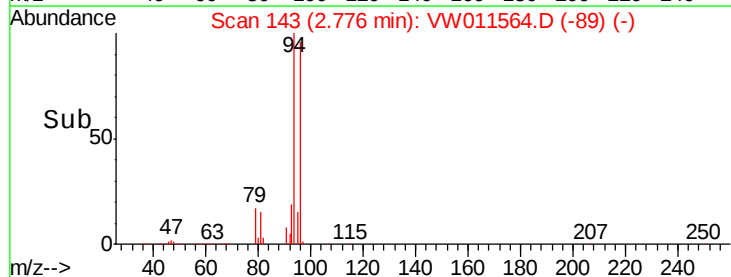
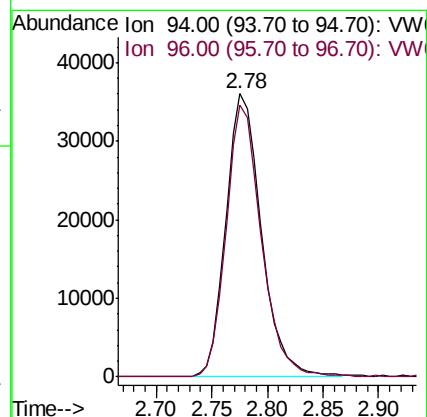
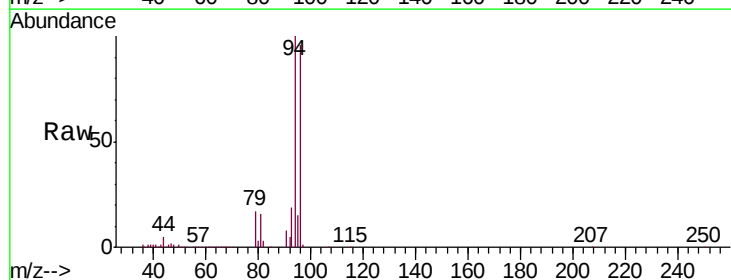
Acq: 29 Jul 2019 17:06

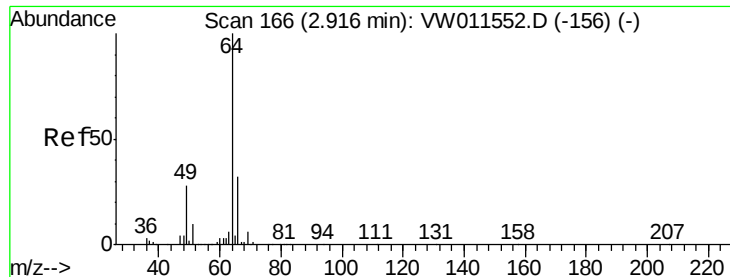
Tgt Ion: 94 Resp: 79766

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.8





#8

Chloroethane

Concen: 24.653 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

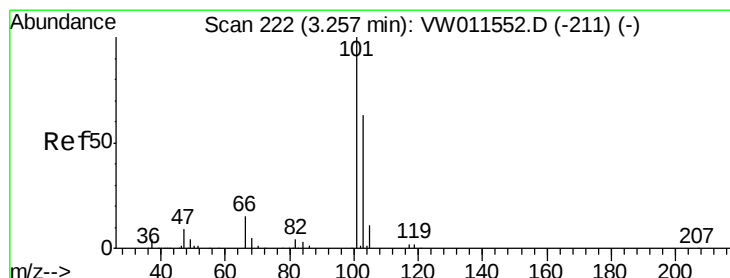
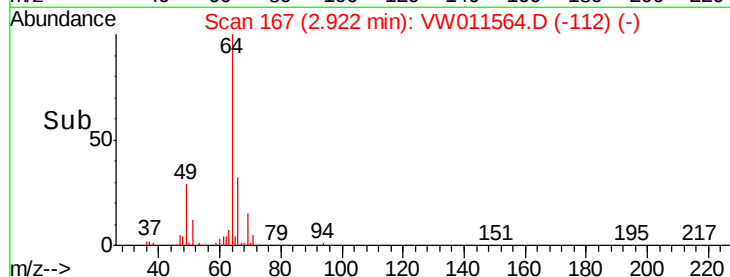
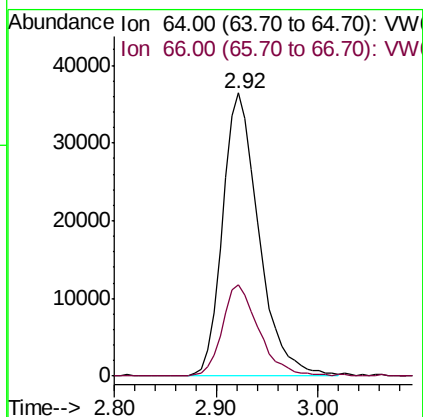
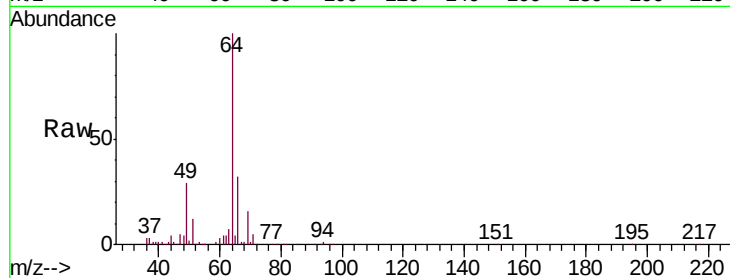
VSTD02522

Tgt Ion: 64 Resp: 88852

Ion Ratio Lower Upper

64 100

66 32.4 22.7 42.3



#9

Trichlorofluoromethane

Concen: 24.942 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011564.D

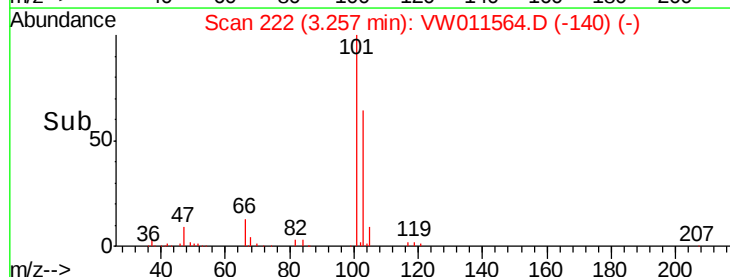
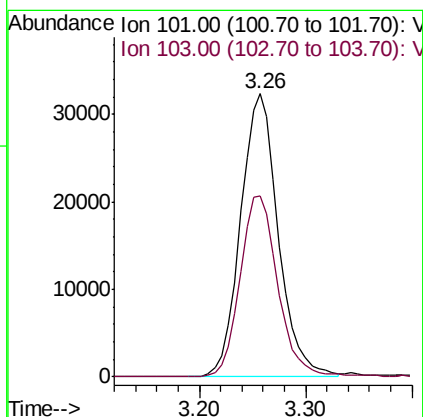
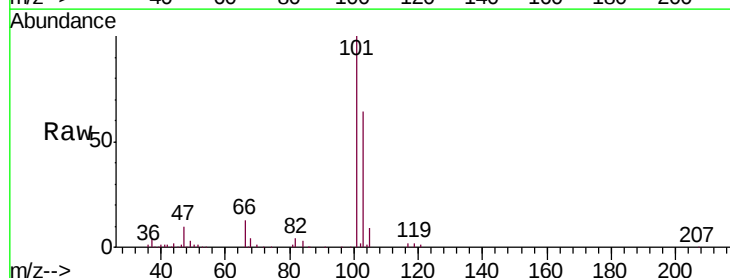
Acq: 29 Jul 2019 17:06

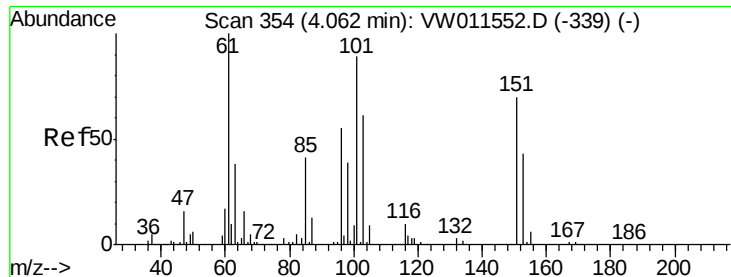
Tgt Ion: 101 Resp: 80289

Ion Ratio Lower Upper

101 100

103 63.7 45.2 84.0





#11

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

Concen: 25.891 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

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ClientSampleId :

VSTD02522

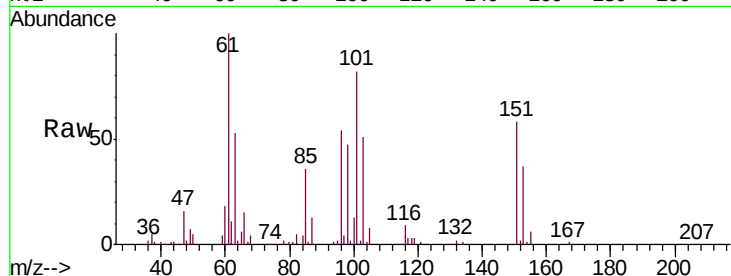
Tgt Ion:101 Resp: 133757

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

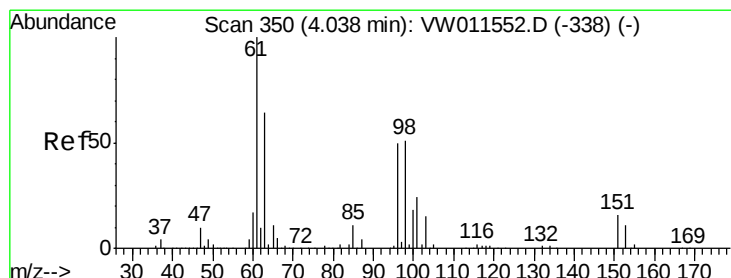
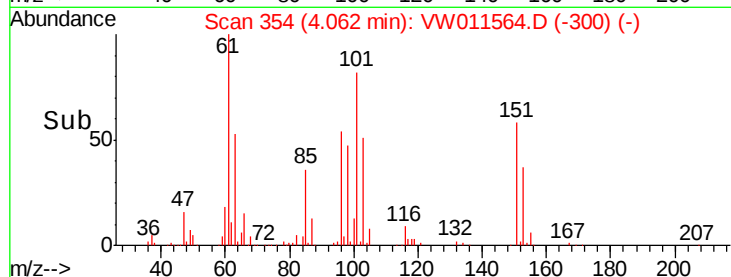
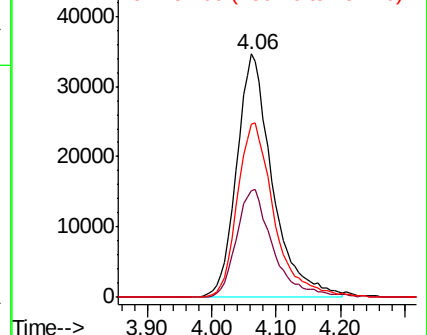
151 73.0 58.6 87.8



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: 24.874 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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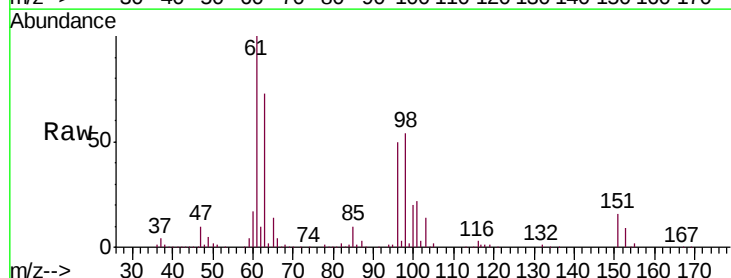
Tgt Ion: 96 Resp: 128281

Ion Ratio Lower Upper

96 100

61 199.8 133.2 247.4

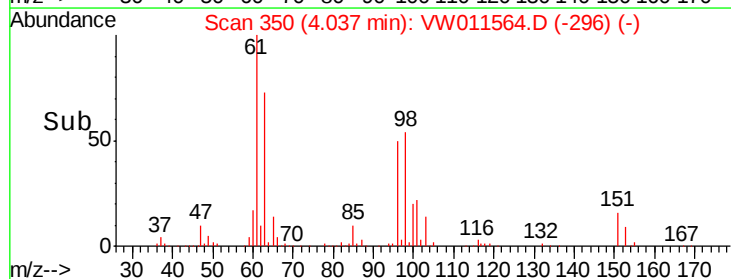
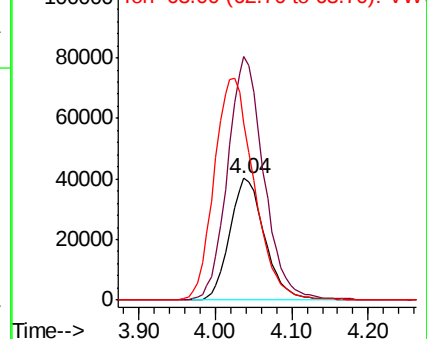
63 145.4 89.9 166.9

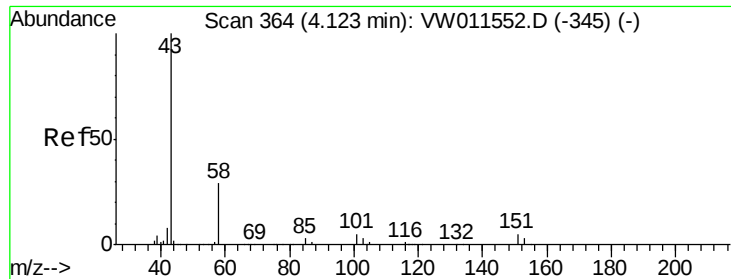


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.185 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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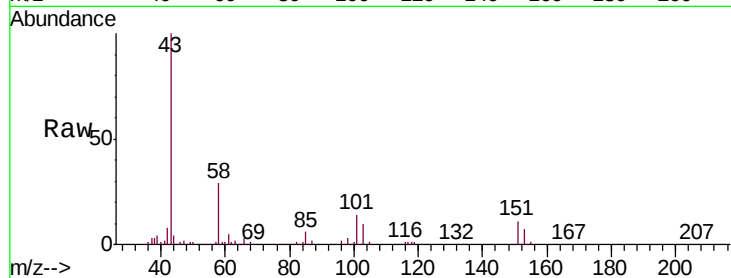
VSTD02522

Tgt Ion: 43 Resp: 105517

Ion Ratio Lower Upper

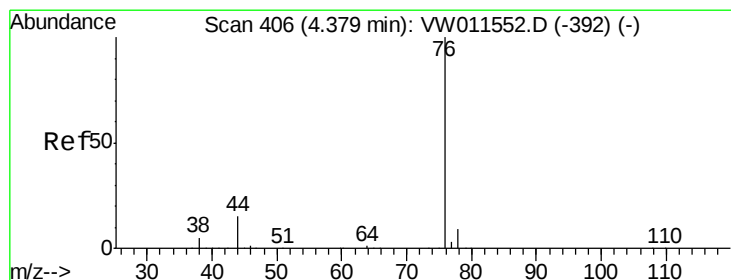
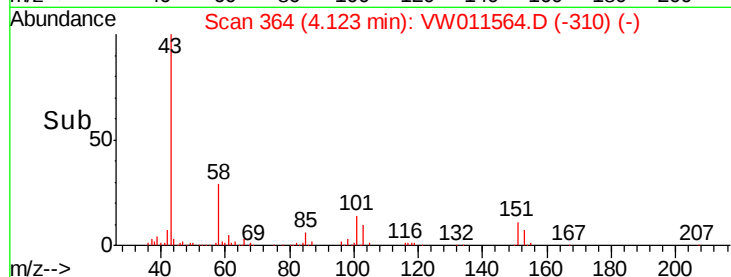
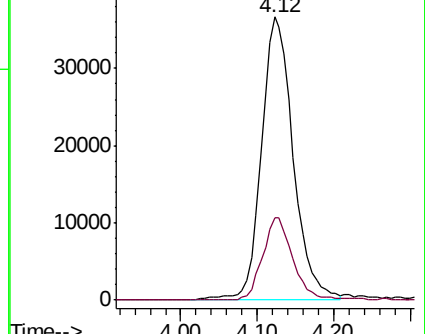
43 100

58 27.8 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.599 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011564.D

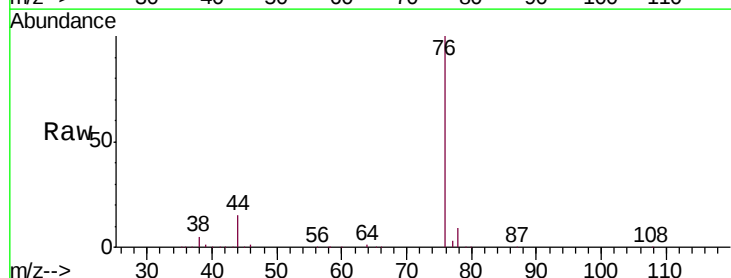
Acq: 29 Jul 2019 17:06

Tgt Ion: 76 Resp: 411324

Ion Ratio Lower Upper

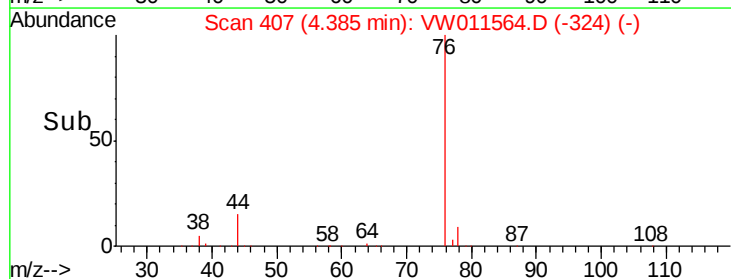
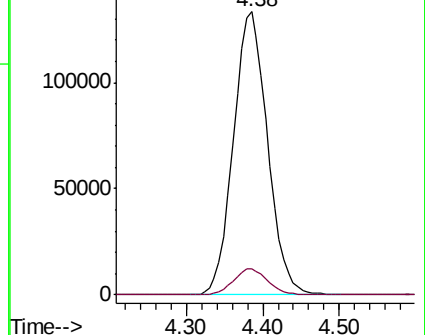
76 100

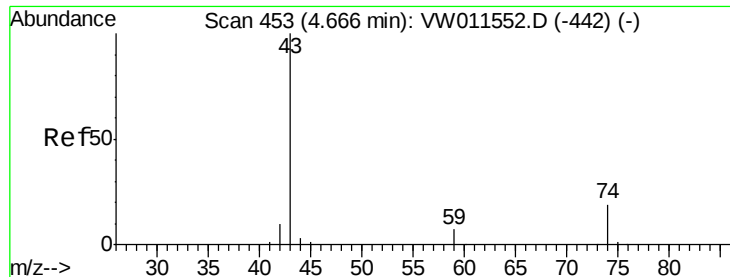
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

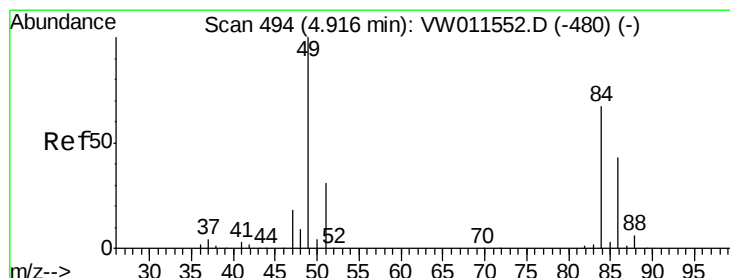
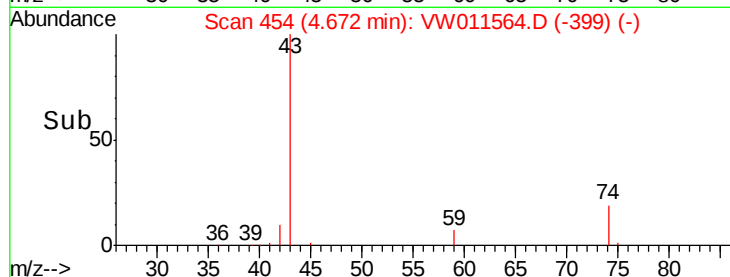
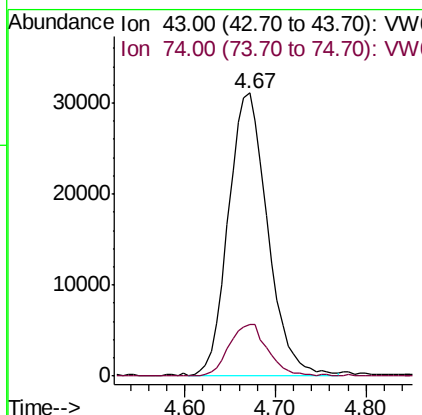
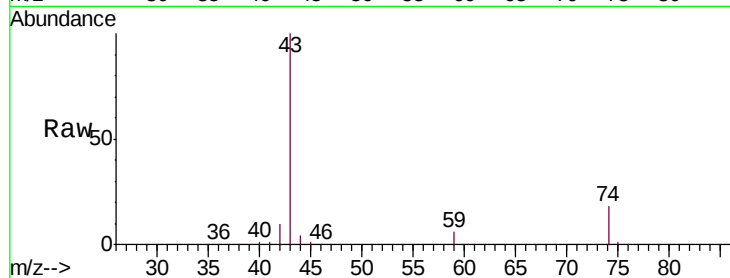




#15
Methyl Acetate
Concen: 25.928 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

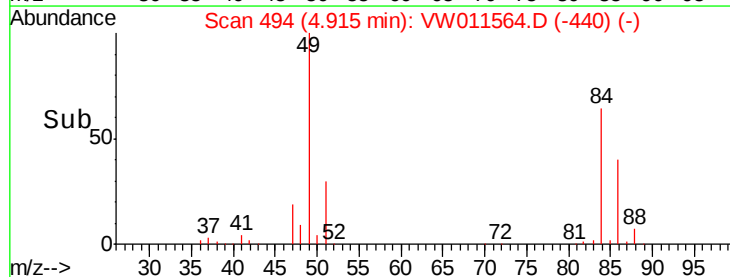
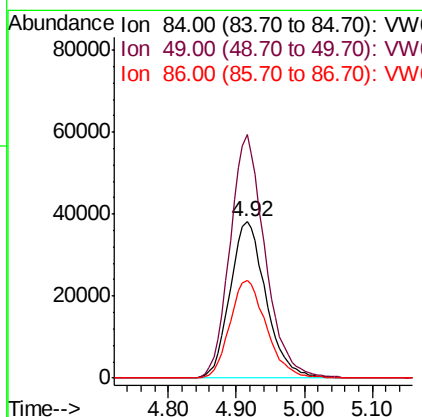
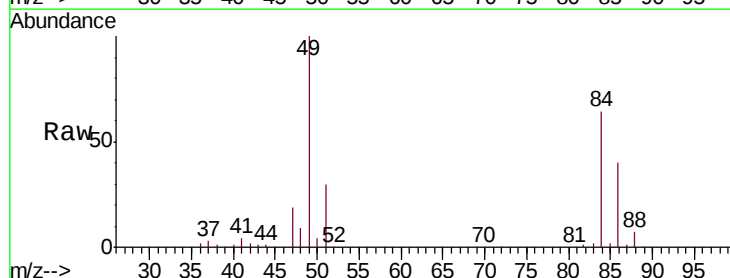
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

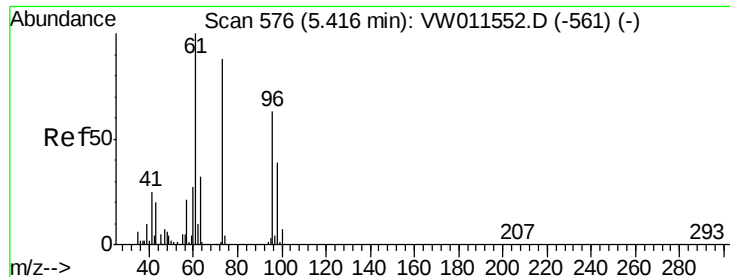
Tgt Ion: 43 Resp: 92971
Ion Ratio Lower Upper
43 100
74 18.2 15.2 22.8



#16
Methylene chloride
Concen: 24.812 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

Tgt Ion: 84 Resp: 140240
Ion Ratio Lower Upper
84 100
49 155.7 104.0 193.2
86 62.3 44.0 81.8

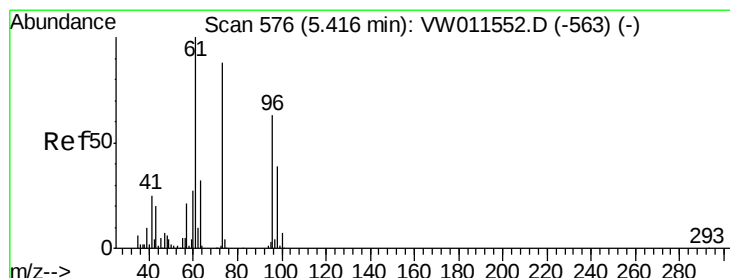
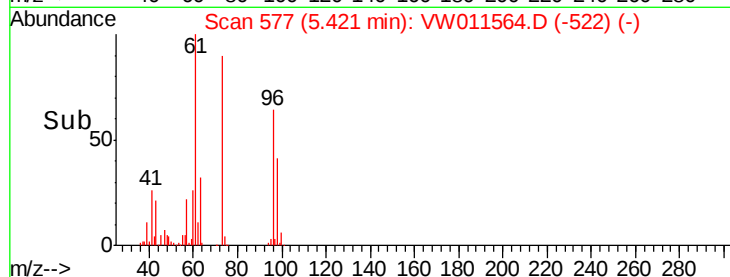
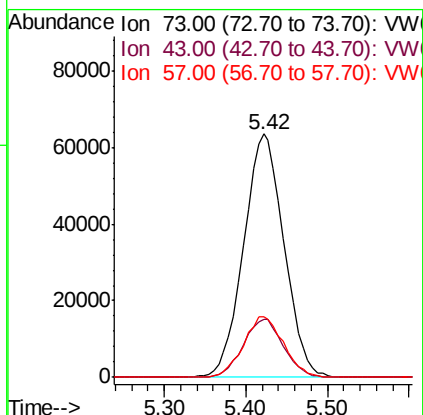
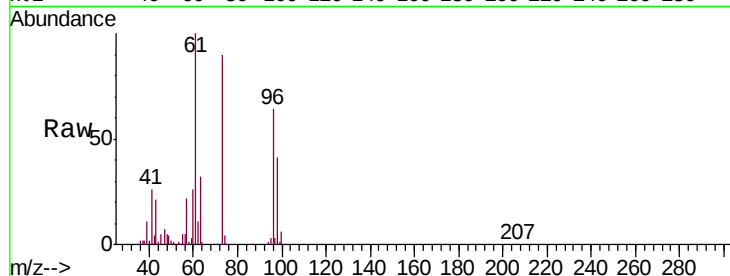




#17
Methyl tert-butyl Ether
Concen: 26.777 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

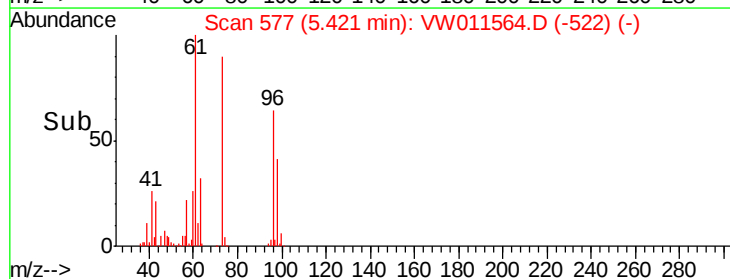
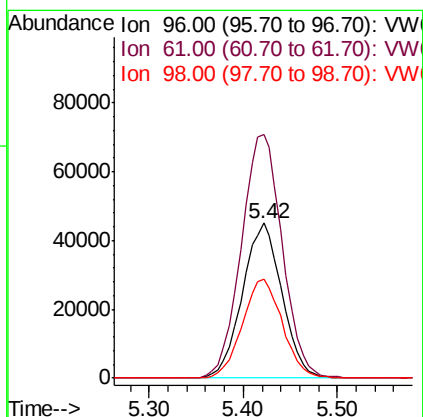
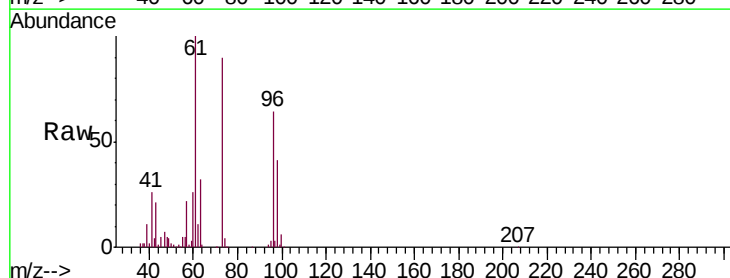
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

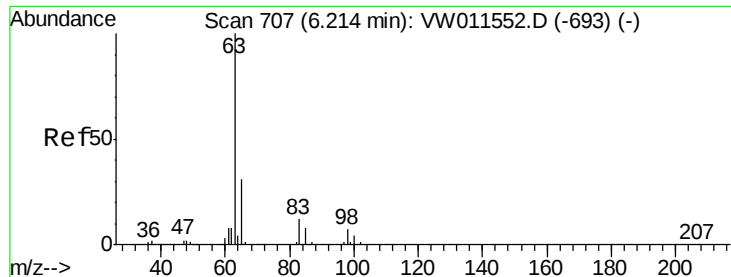
Tgt Ion: 73 Resp: 218328
Ion Ratio Lower Upper
73 100
43 24.0 19.0 28.4
57 24.7 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 24.907 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

Tgt Ion: 96 Resp: 132467
Ion Ratio Lower Upper
96 100
61 157.0 111.7 207.5
98 63.8 43.4 80.6

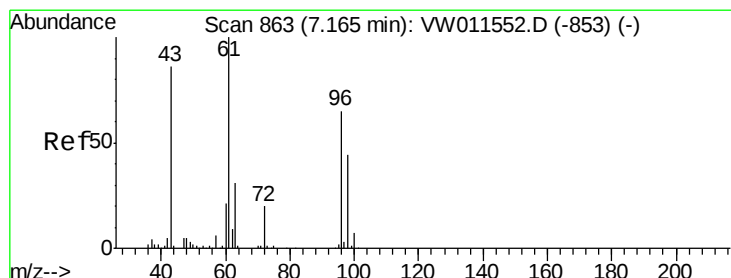
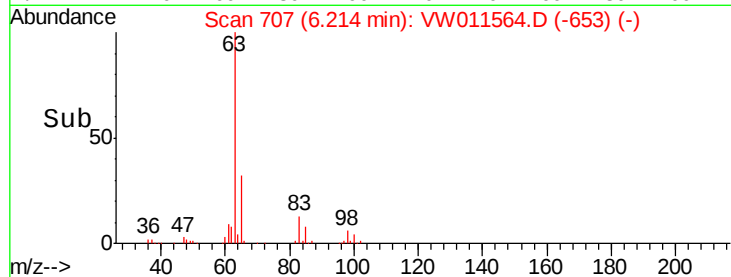
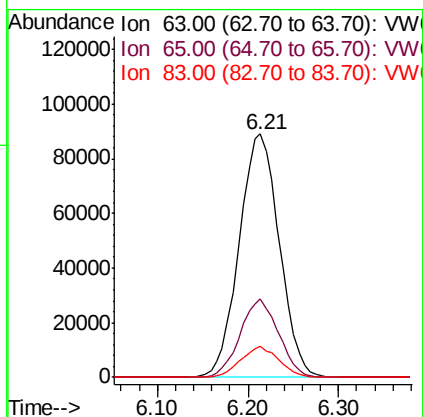
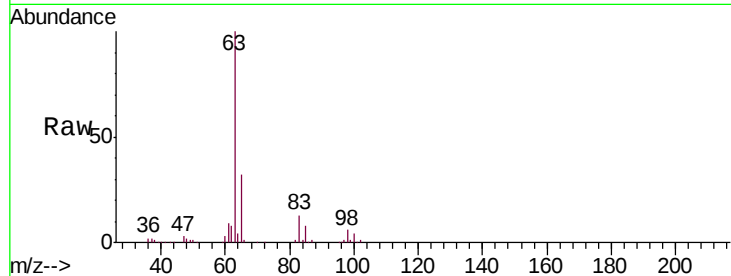




#19
 1,1-Dichloroethane
 Concen: 25.793 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

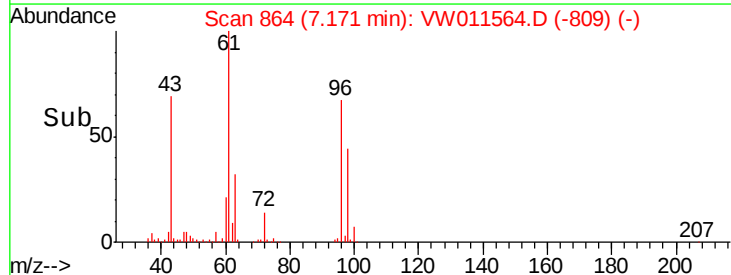
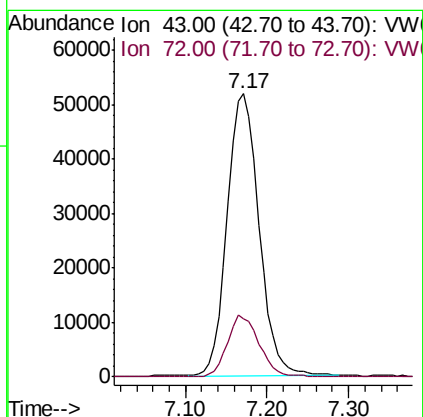
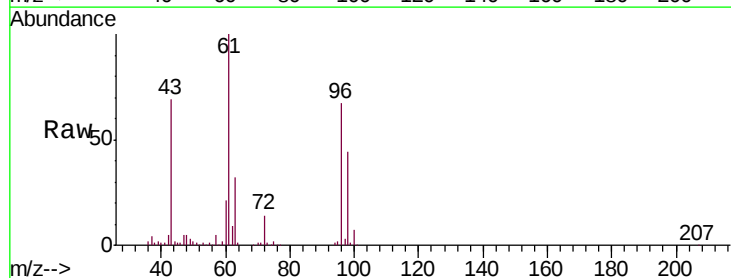
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

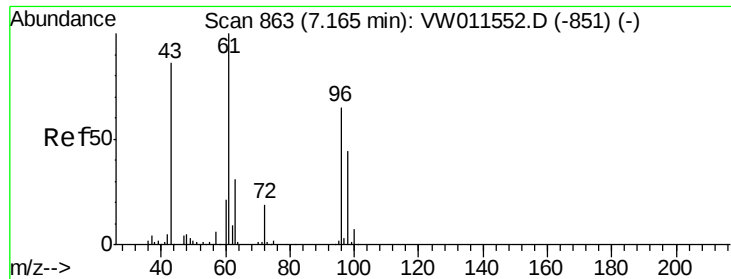
Tgt Ion: 63 Resp: 272474
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.8 42.4
 83 12.6 8.6 16.0



#21
 2-Butanone
 Concen: 46.706 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Tgt Ion: 43 Resp: 140168
 Ion Ratio Lower Upper
 43 100
 72 21.9 10.5 31.6



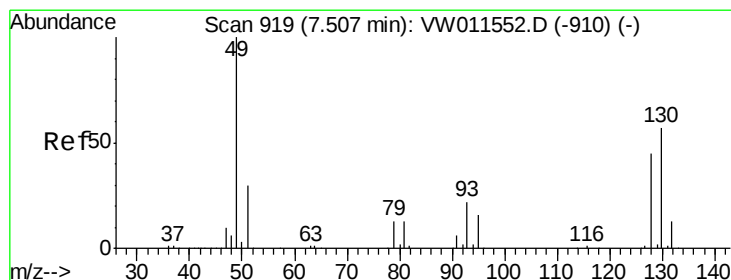
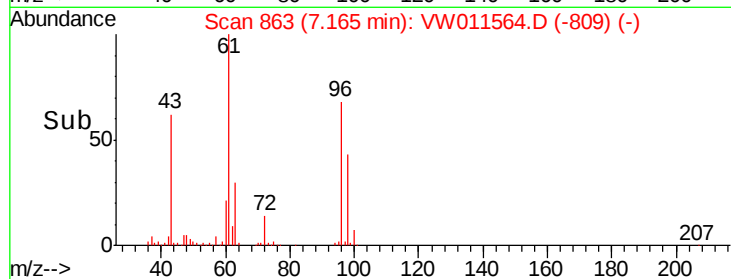
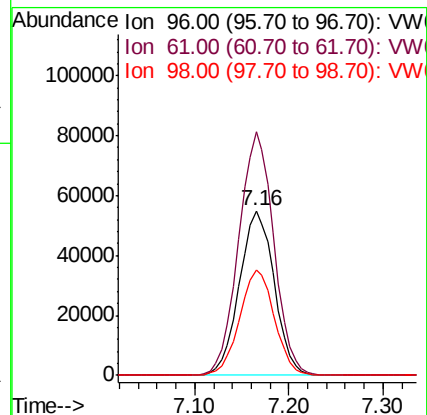
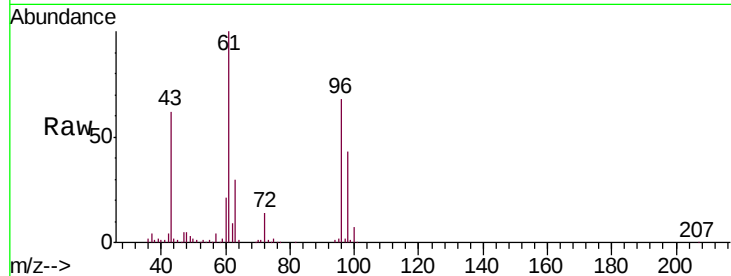


#22

cis-1,2-Dichloroethene
 Concen: 25.207 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02522

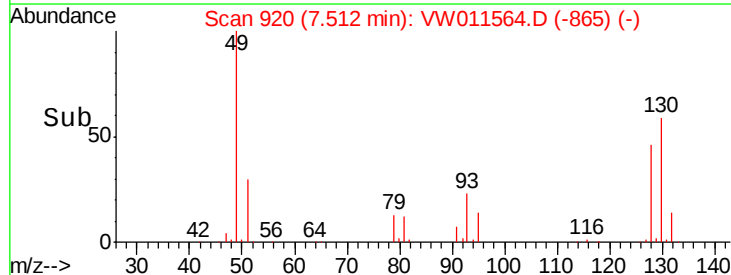
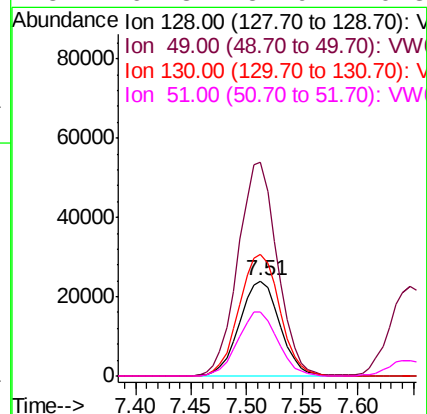
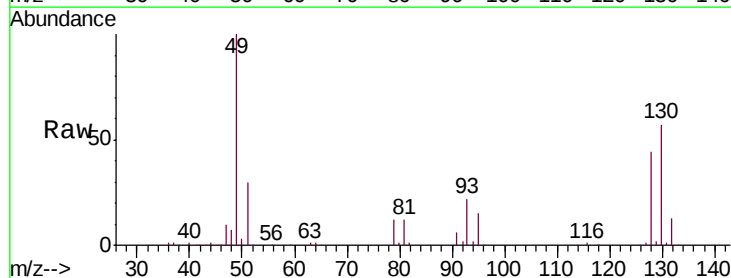
Tgt Ion: 96 Resp: 142011
 Ion Ratio Lower Upper
 96 100
 61 148.1 101.8 189.0
 98 64.0 45.4 84.2

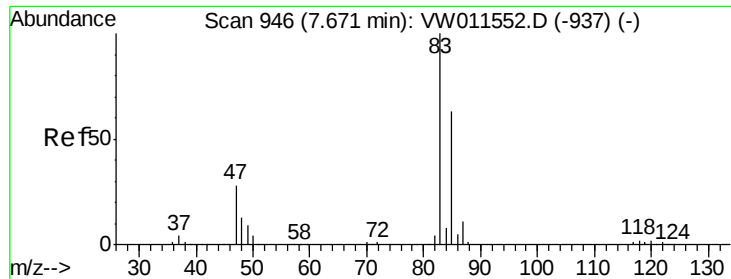


#23

Bromochloromethane
 Concen: 25.515 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Tgt Ion: 128 Resp: 60078
 Ion Ratio Lower Upper
 128 100
 49 225.4 152.0 282.2
 130 128.2 89.8 166.8
 51 67.3 52.9 79.3

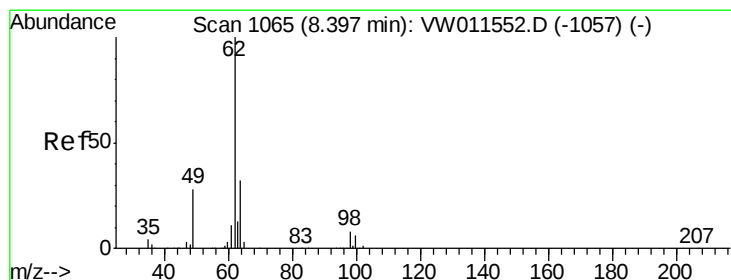
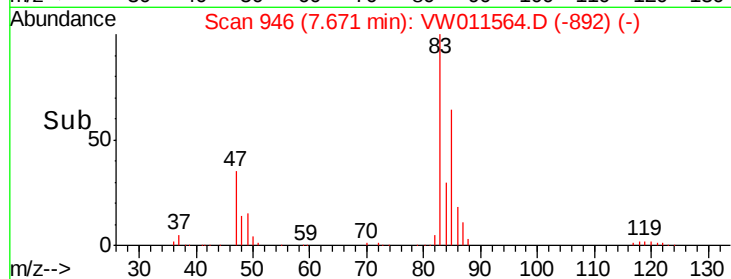
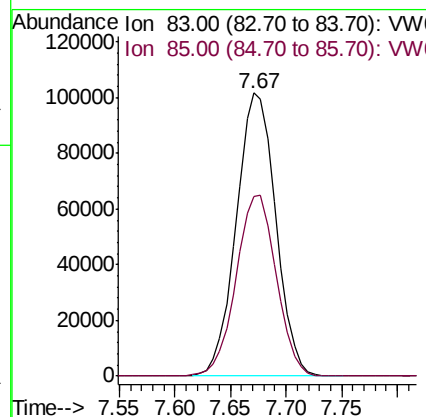
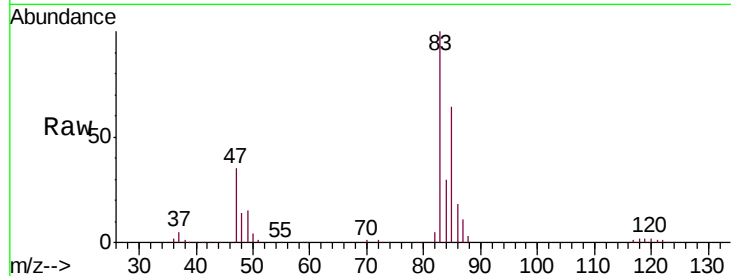




#25
Chloroform
Concen: 25.726 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

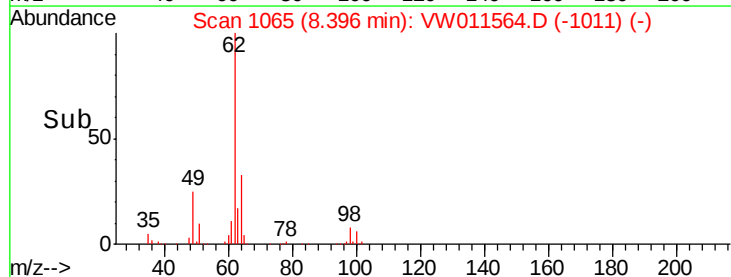
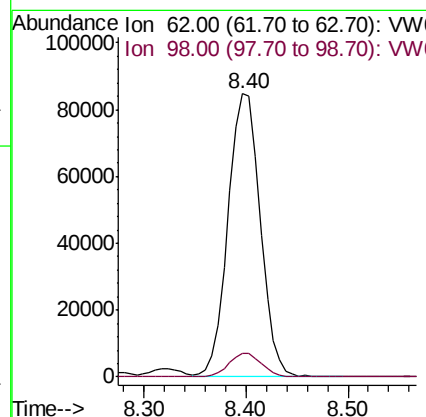
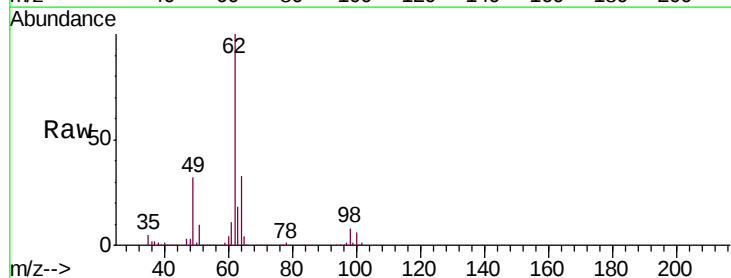
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

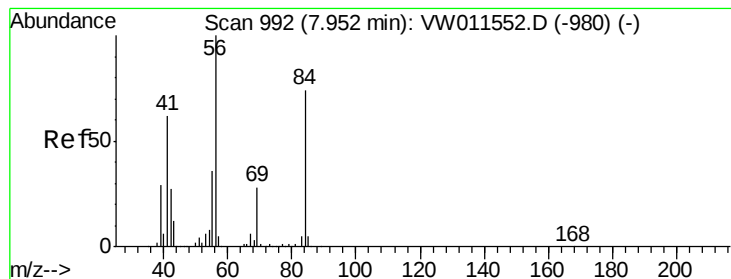
Tgt Ion: 83 Resp: 250343
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 26.238 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

Tgt Ion: 62 Resp: 186094
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7





#30

Cyclohexane

Concen: 24.907 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

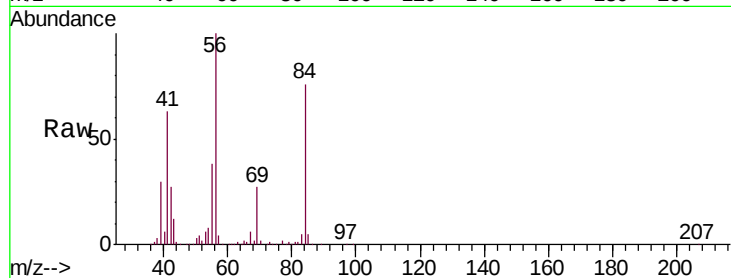
Tgt Ion: 56 Resp: 281633

Ion Ratio Lower Upper

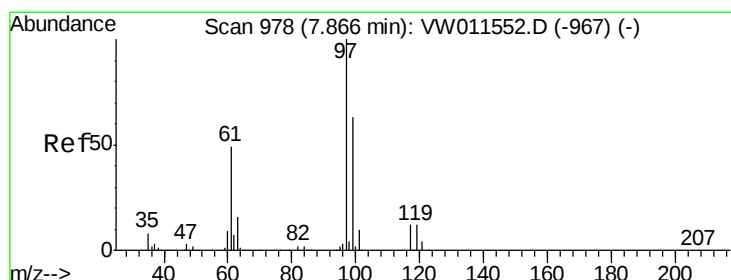
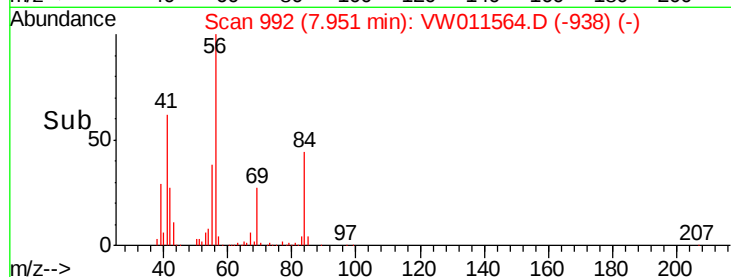
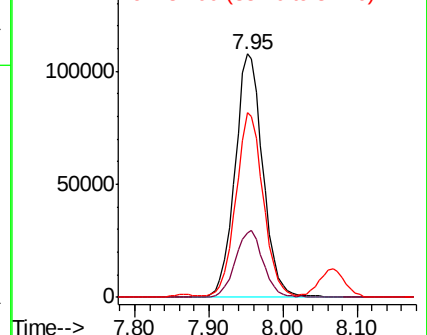
56 100

69 27.5 22.6 34.0

84 74.7 60.4 90.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.155 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

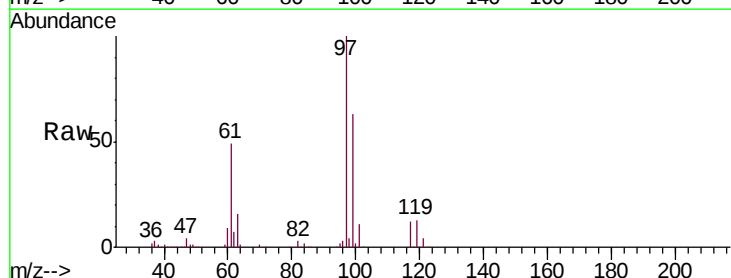
Tgt Ion: 97 Resp: 194384

Ion Ratio Lower Upper

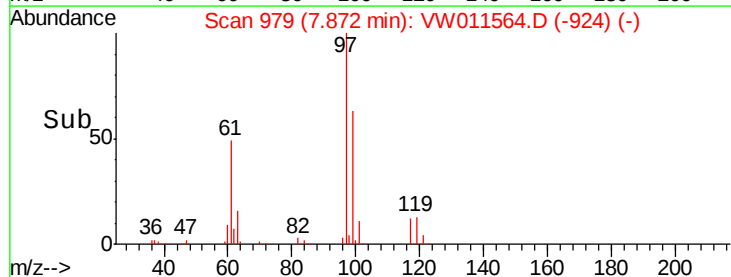
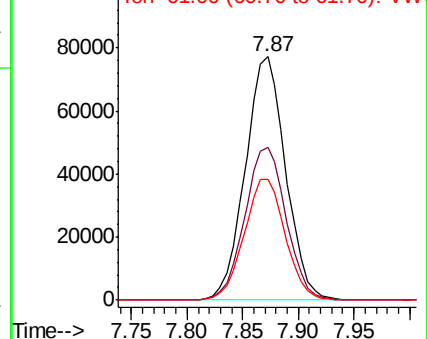
97 100

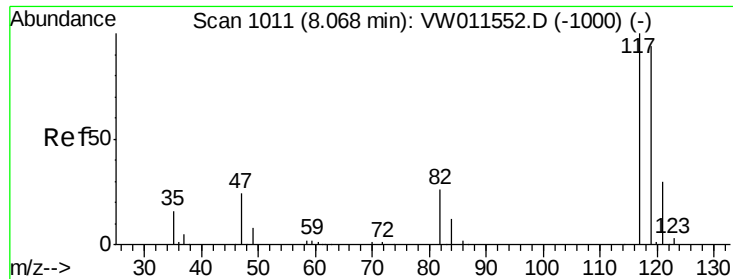
99 64.3 51.0 76.6

61 50.9 39.4 59.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.406 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

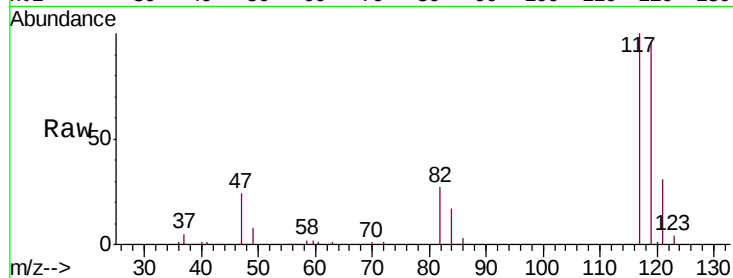
VSTD02522

Tgt Ion:117 Resp: 182447

Ion Ratio Lower Upper

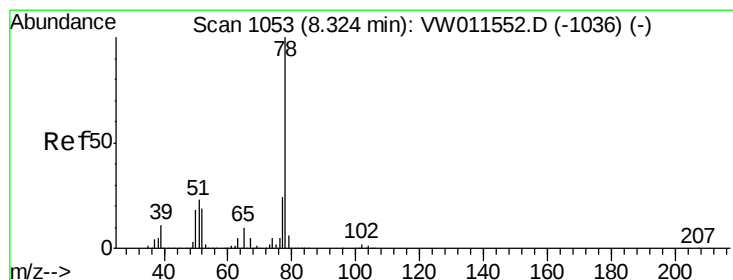
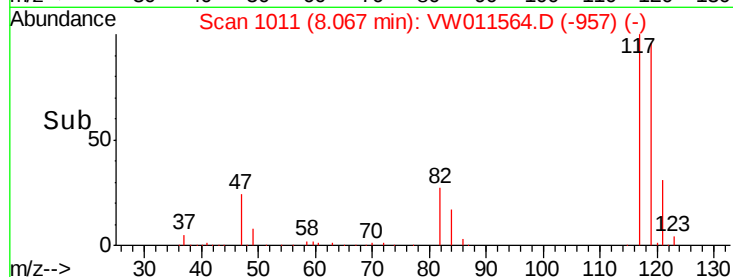
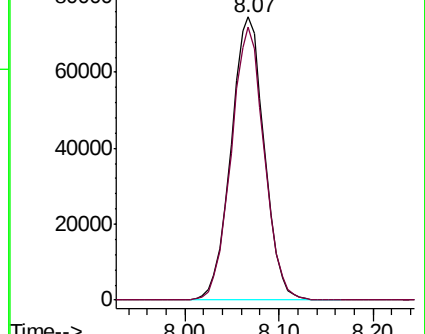
117 100

119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.080 ug/L

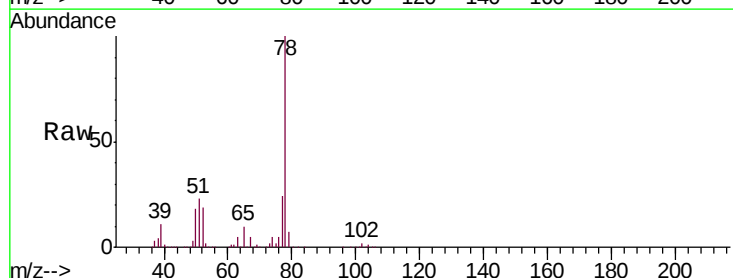
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Tgt Ion: 78 Resp: 565166



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

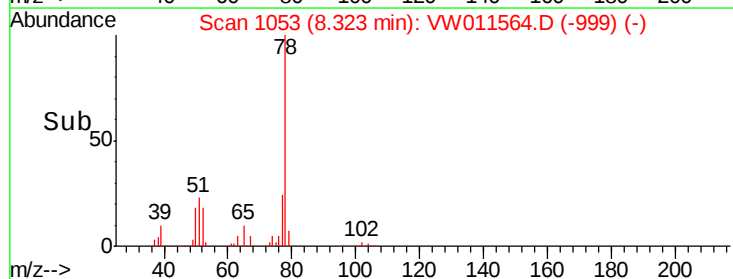
100000

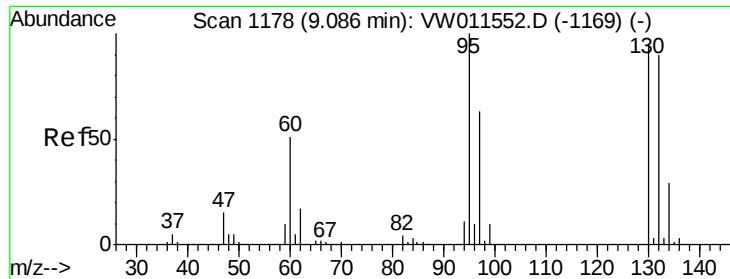
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.895 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

Tgt Ion: 95 Resp: 142583

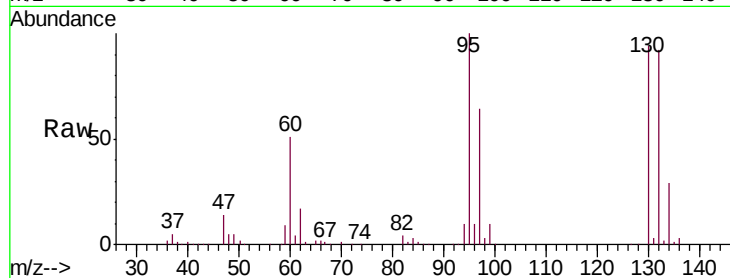
Ion Ratio Lower Upper

95 100

97 63.0 44.6 82.8

132 92.1 66.0 122.6

130 94.2 68.4 127.0

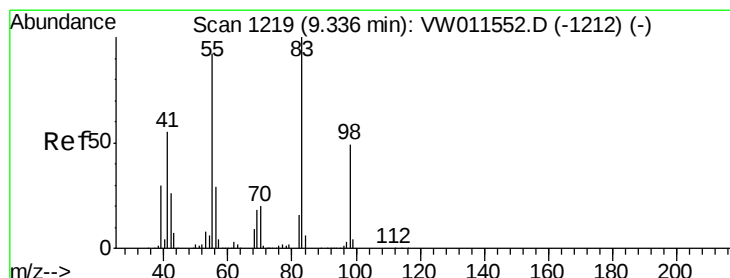
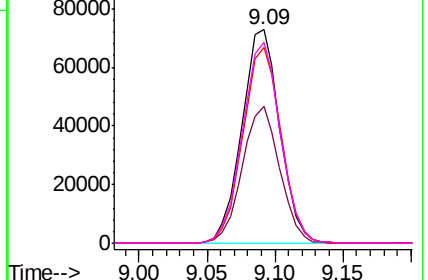
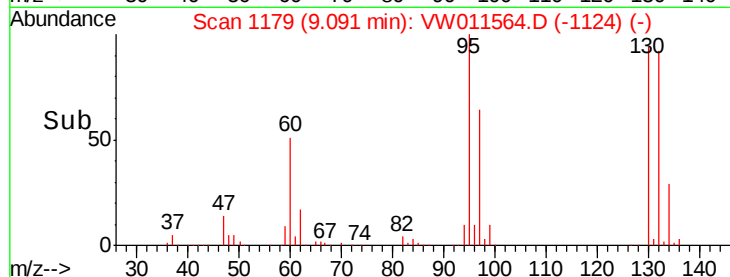


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.910 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

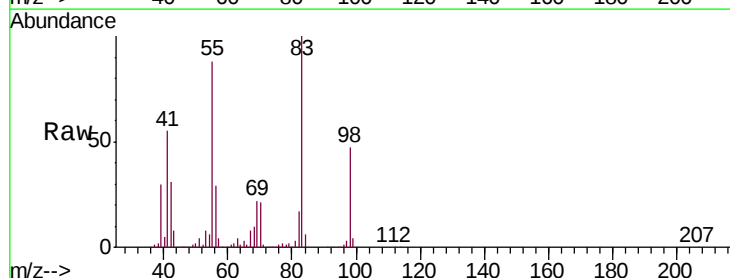
Tgt Ion: 83 Resp: 259432

Ion Ratio Lower Upper

83 100

55 91.0 71.5 107.3

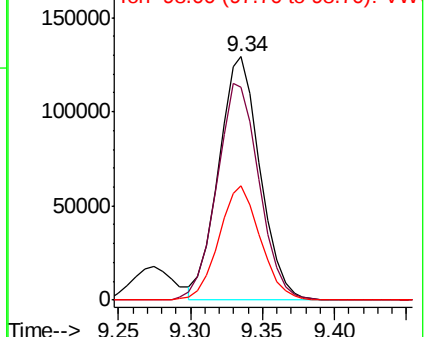
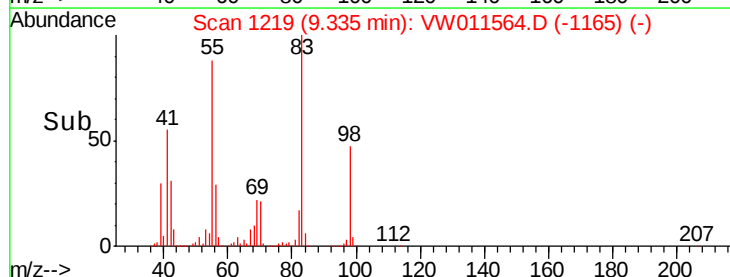
98 47.1 37.4 56.2

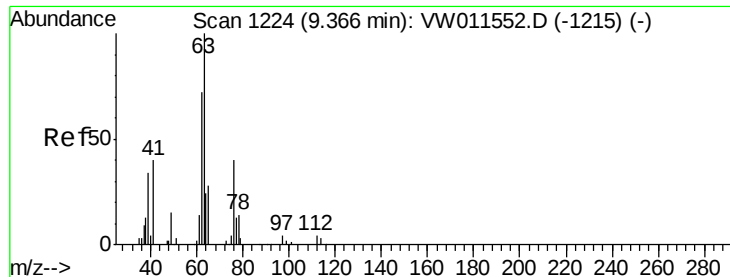


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

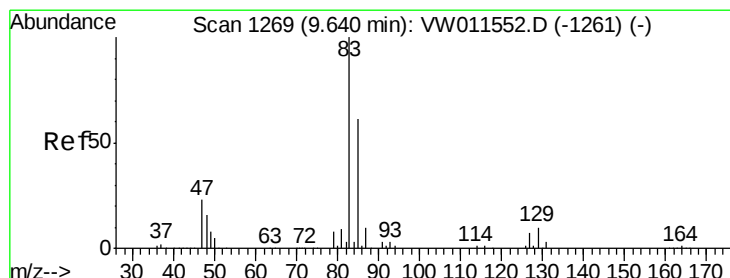
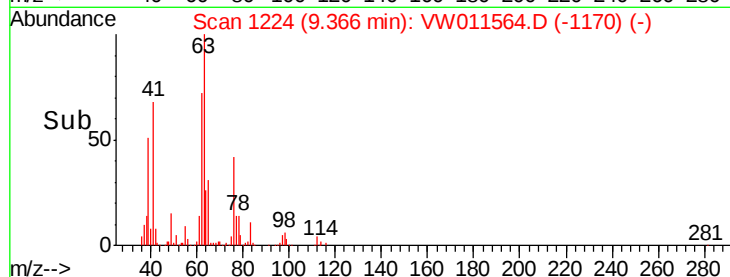
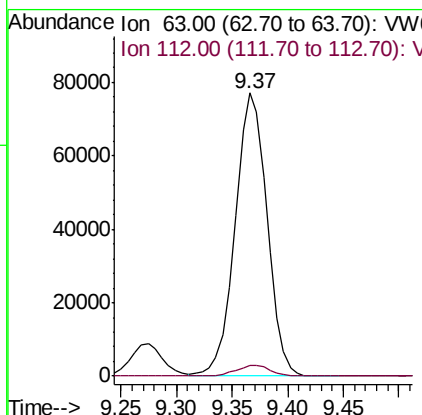
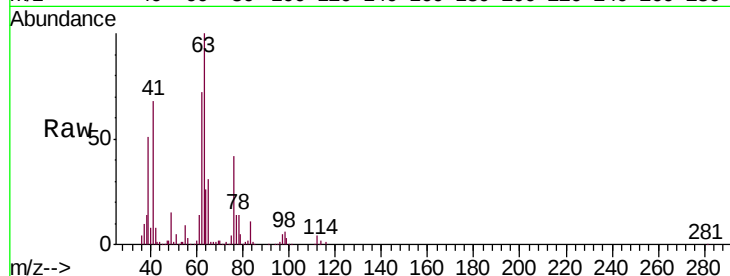




#40
 1,2-Dichloropropane
 Concen: 25.301 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

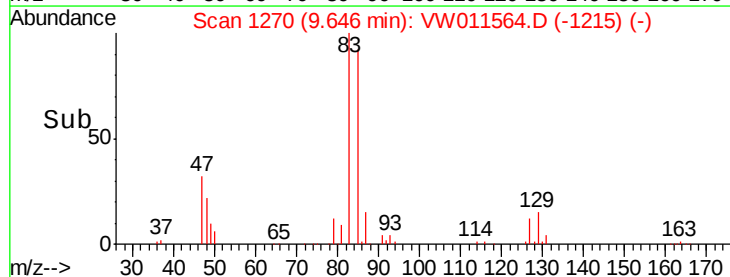
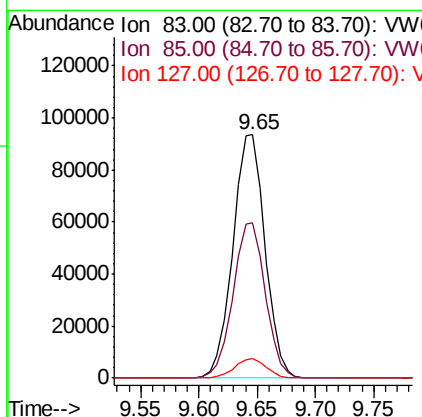
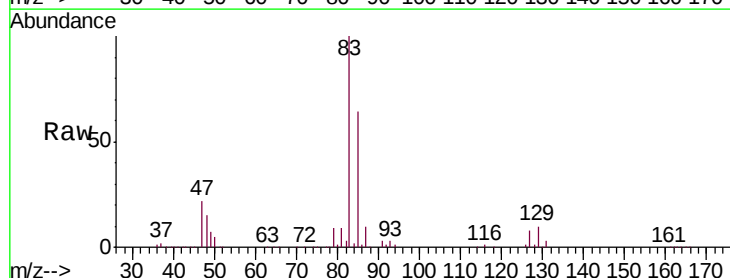
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

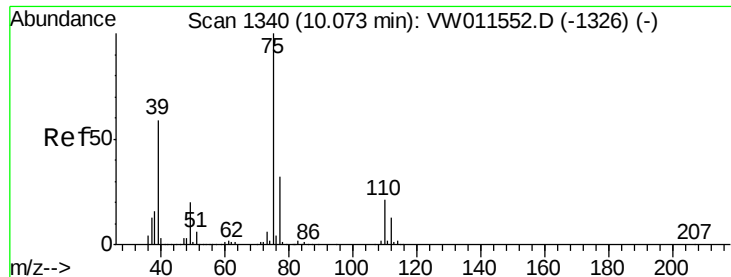
Tgt Ion: 63 Resp: 153175
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.456 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Tgt Ion: 83 Resp: 180193
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.3 82.3
 127 8.1 6.6 9.8





#42

cis-1,3-Dichloropropene

Concen: 25.463 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

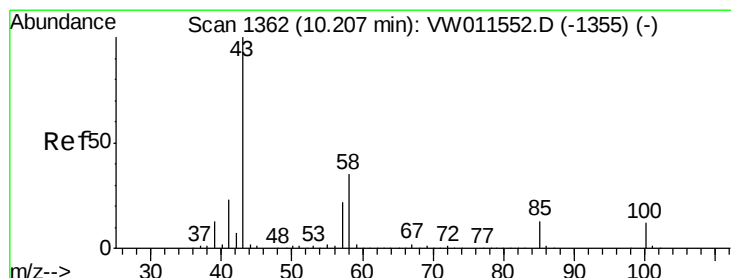
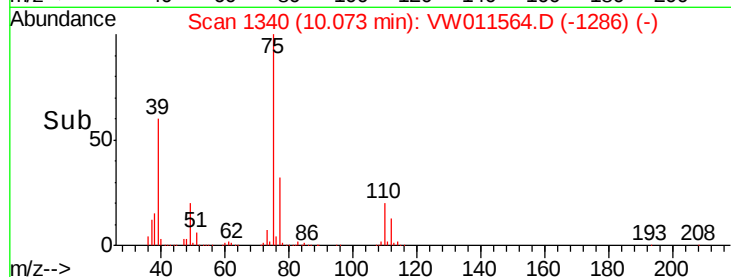
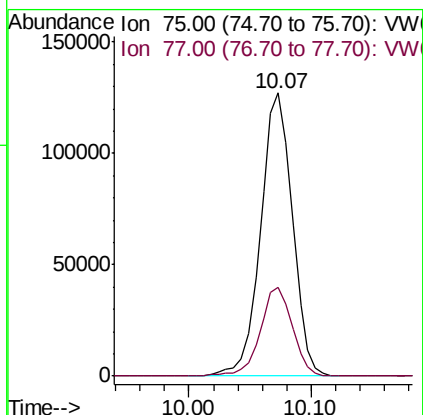
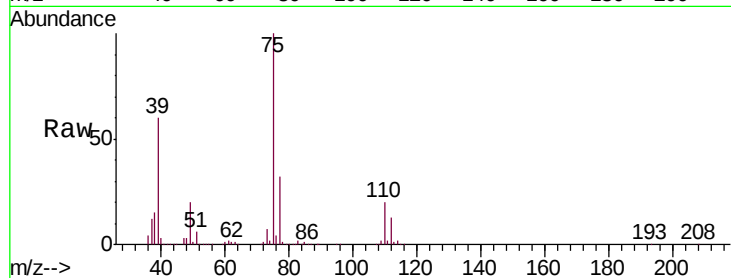
VSTD02522

Tgt Ion: 75 Resp: 231599

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 50.740 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

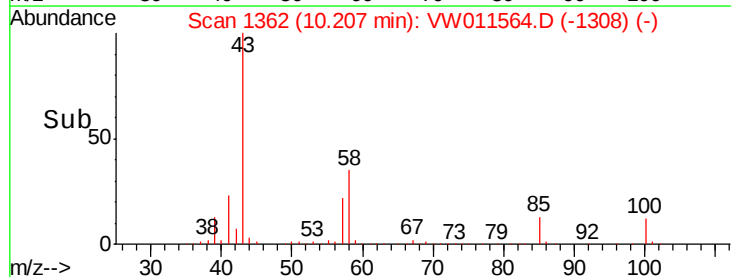
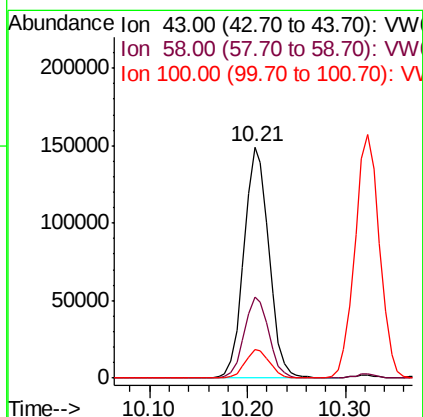
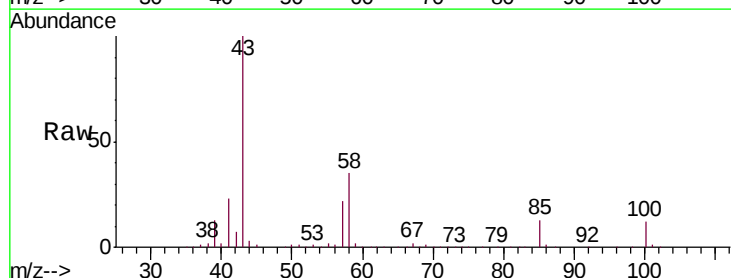
Tgt Ion: 43 Resp: 262983

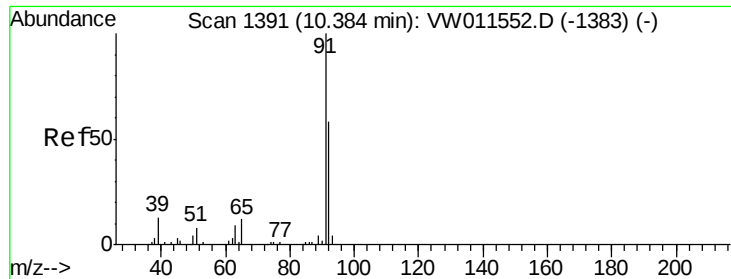
Ion Ratio Lower Upper

43 100

58 34.7 28.0 42.0

100 12.1 9.8 14.8





#44

Toluene

Concen: 25.321 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

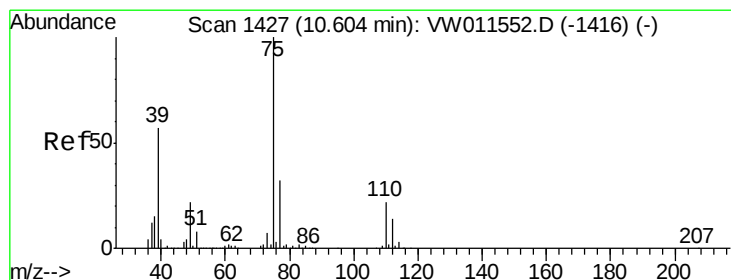
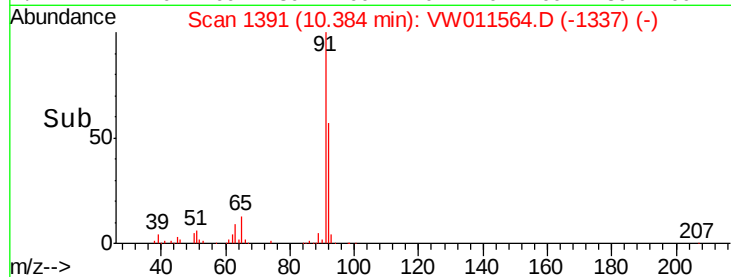
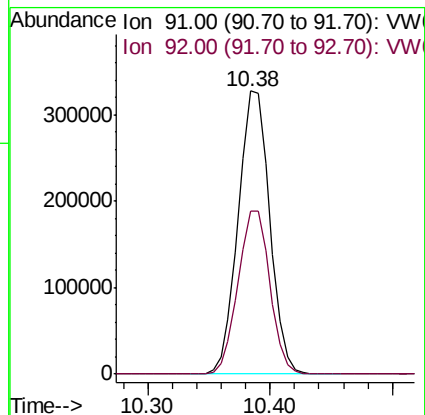
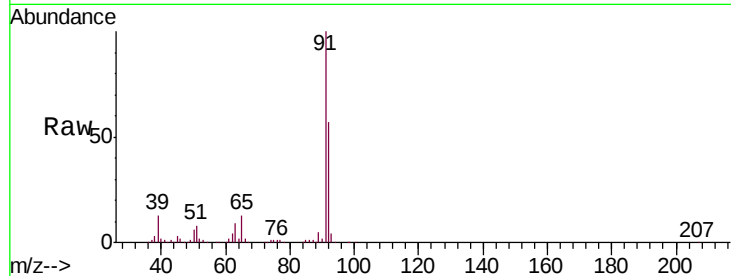
VSTD02522

Tgt Ion: 91 Resp: 585256

Ion Ratio Lower Upper

91 100

92 57.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.429 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011564.D

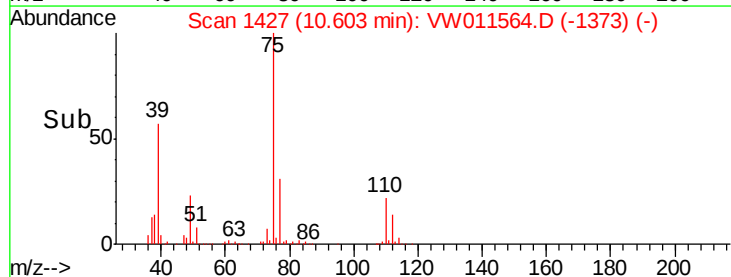
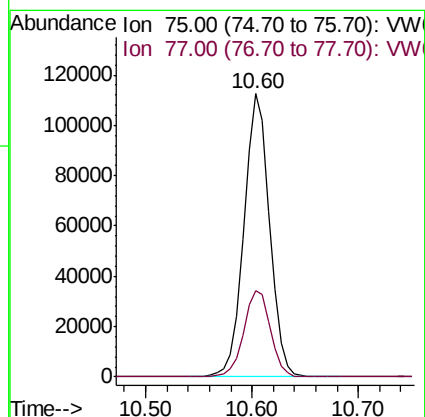
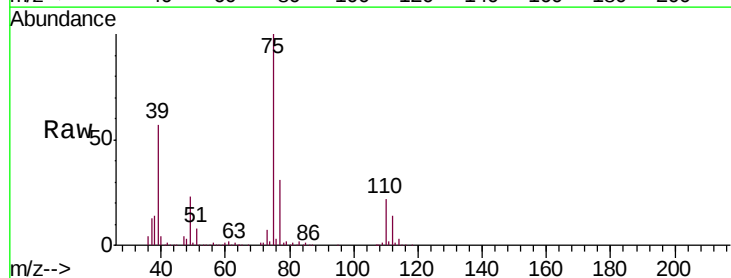
Acq: 29 Jul 2019 17:06

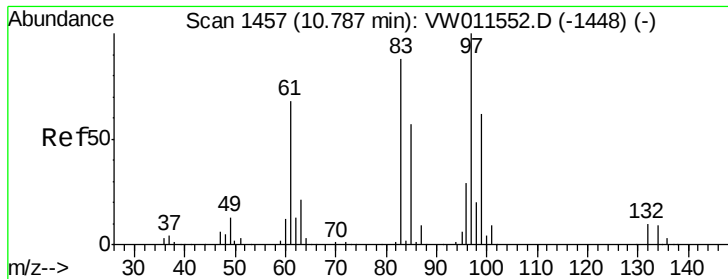
Tgt Ion: 75 Resp: 190083

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6

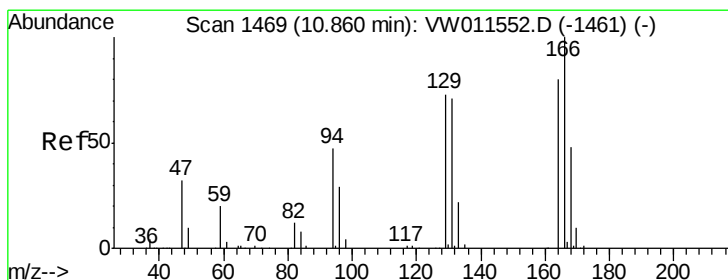
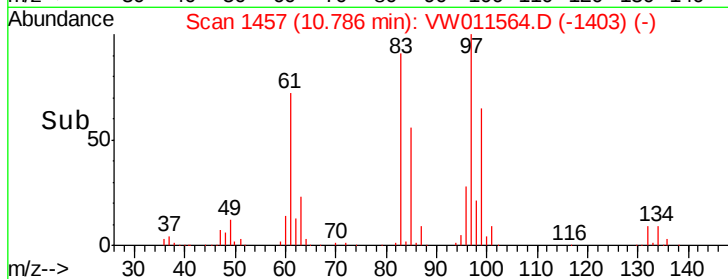
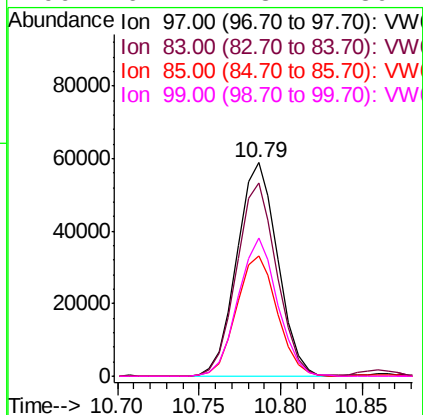
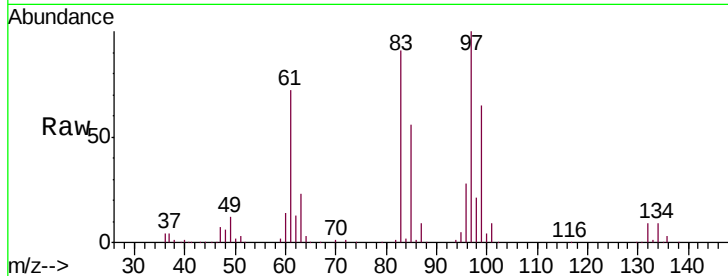




#46
 1,1,2-Trichloroethane
 Concen: 25.311 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

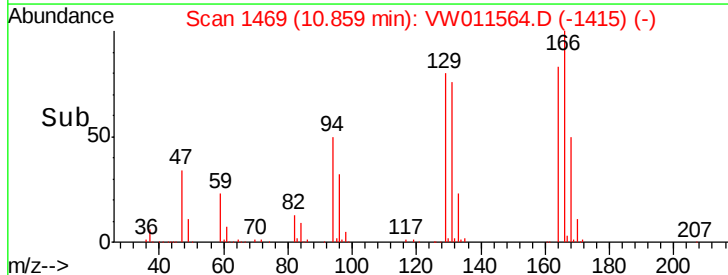
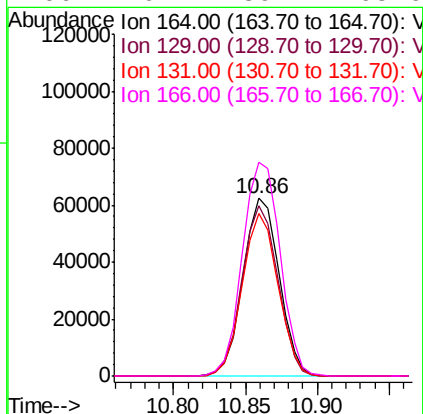
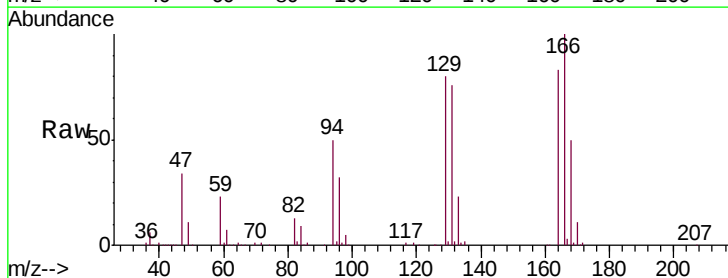
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

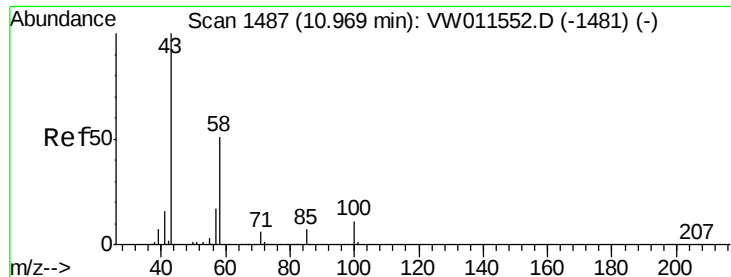
Tgt Ion:	97	Resp:	102575
Ion	Ratio	Lower	Upper
97	100		
83	90.7	63.8	118.6
85	56.2	40.0	74.4
99	64.7	43.1	80.1



#47
 Tetrachloroethene
 Concen: 24.679 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Tgt Ion:	164	Resp:	108440
Ion	Ratio	Lower	Upper
164	100		
129	95.9	69.0	128.1
131	91.8	64.5	119.7
166	120.4	89.2	165.6

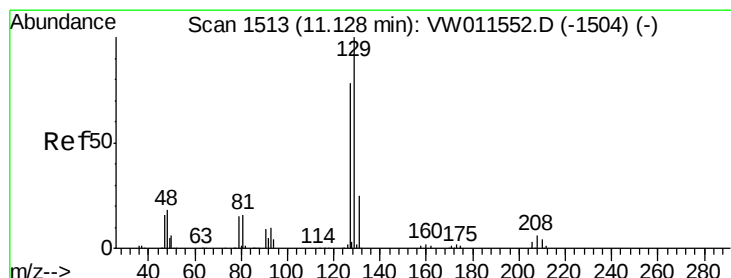
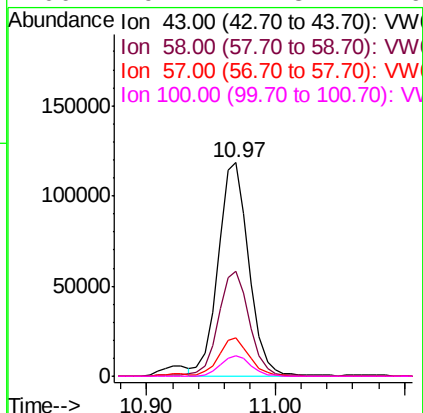
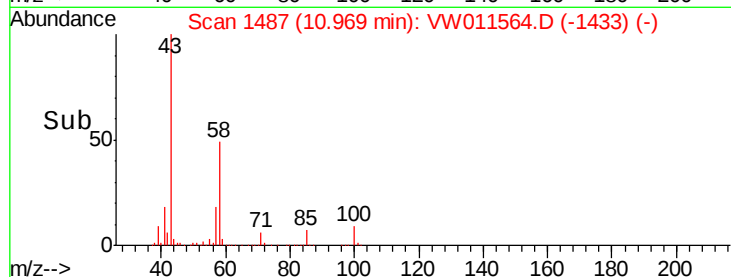
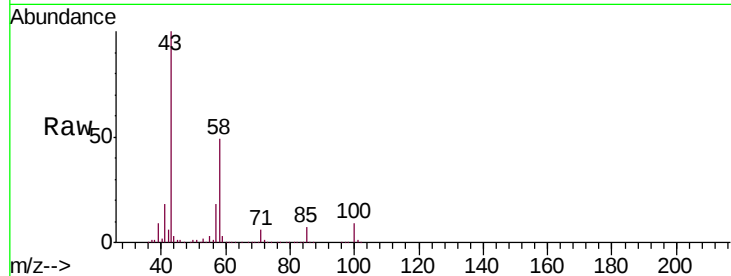




#49
2-Hexanone
Concen: 50.476 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

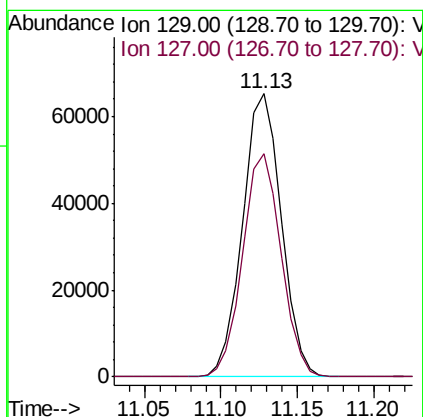
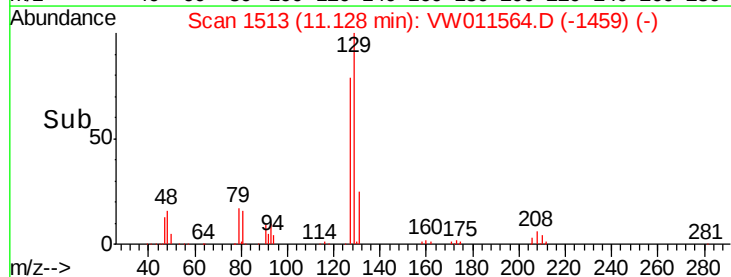
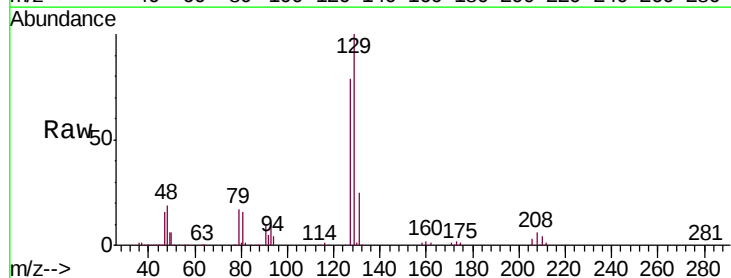
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

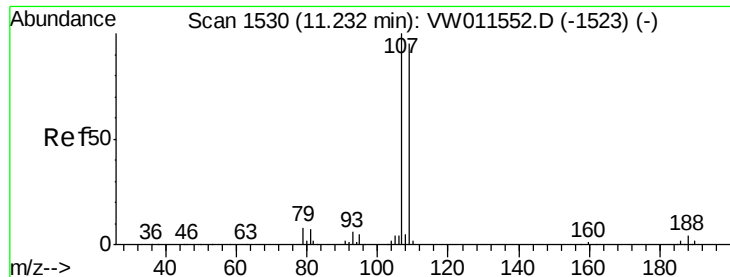
Tgt Ion: 43 Resp: 197475
Ion Ratio Lower Upper
43 100
58 50.0 40.1 60.1
57 17.6 13.8 20.6
100 9.4 7.8 11.6



#50
Dibromochloromethane
Concen: 25.649 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

Tgt Ion: 129 Resp: 115060
Ion Ratio Lower Upper
129 100
127 79.0 53.9 100.1





#51

1,2-Dibromoethane

Concen: 25.657 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

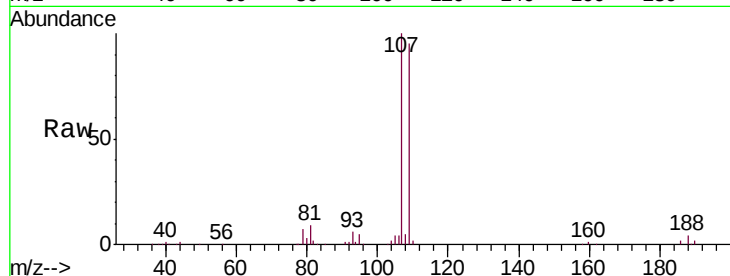
Tgt Ion:107 Resp: 100556

Ion Ratio Lower Upper

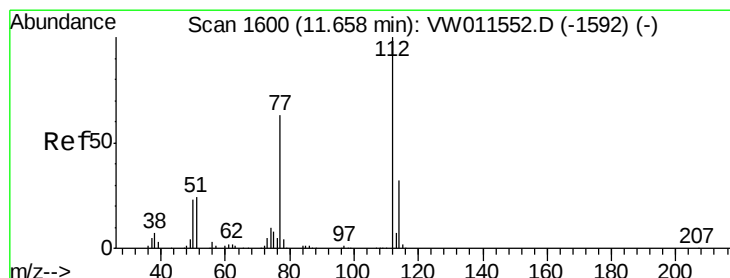
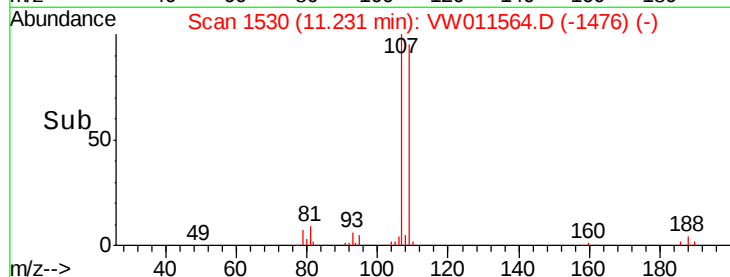
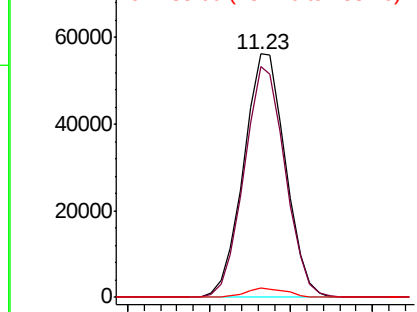
107 100

109 94.7 66.8 124.2

188 4.0 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.182 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

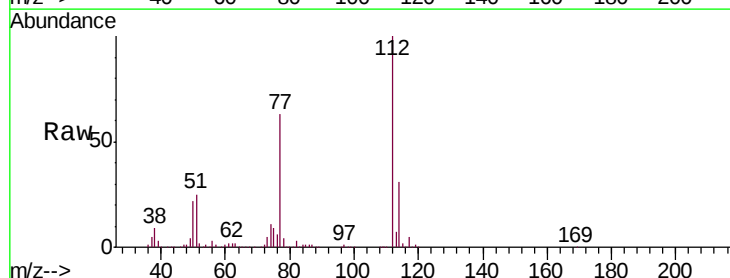
Tgt Ion:112 Resp: 351007

Ion Ratio Lower Upper

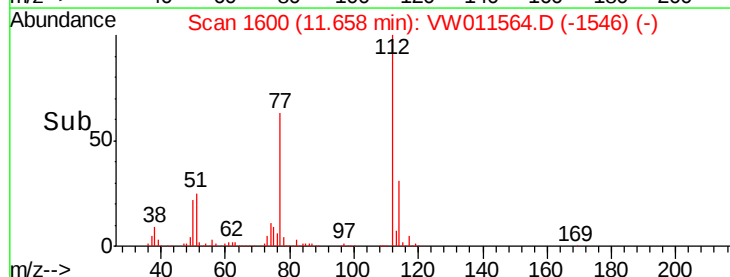
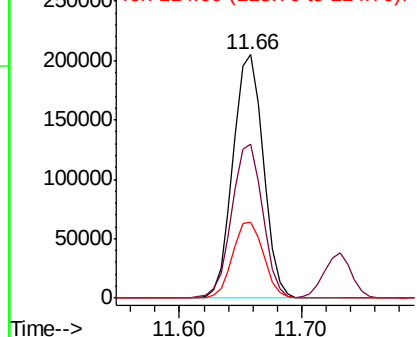
112 100

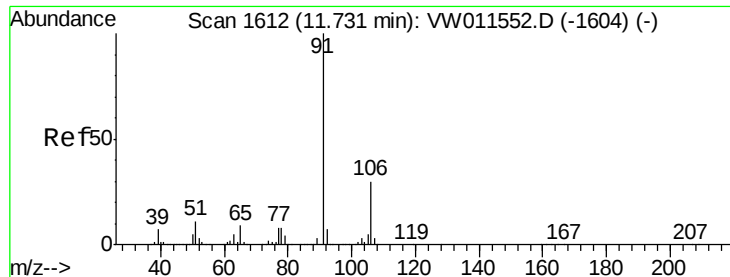
77 63.5 52.2 78.2

114 31.3 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.141 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

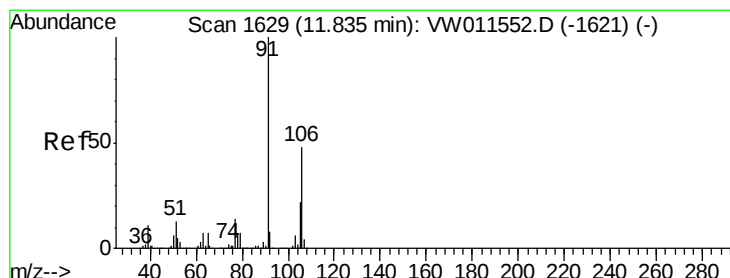
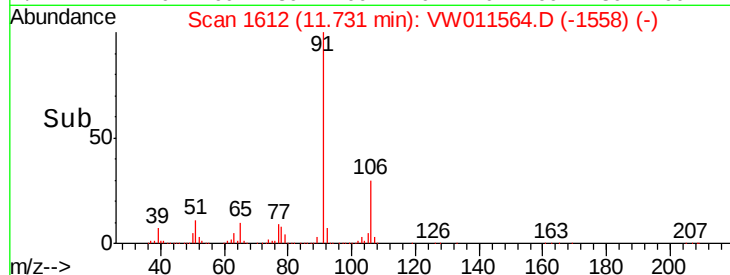
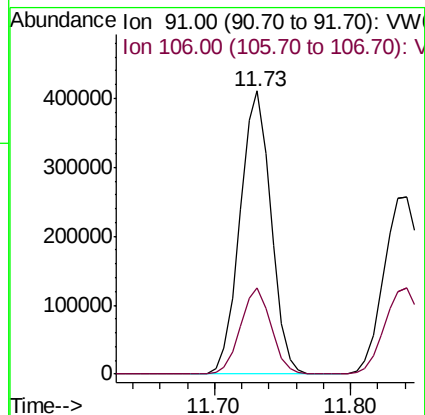
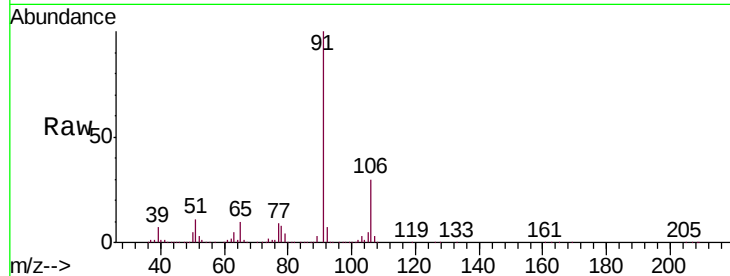
VSTD02522

Tgt Ion: 91 Resp: 654017

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#54

m,p-Xylene

Concen: 24.878 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011564.D

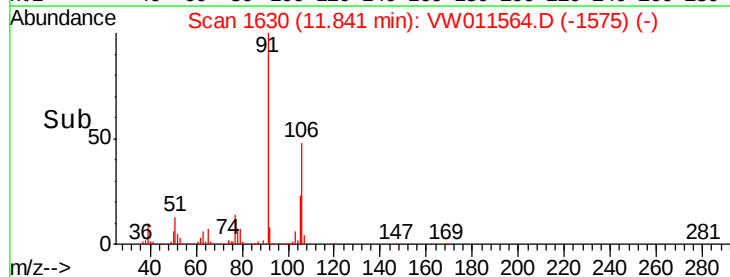
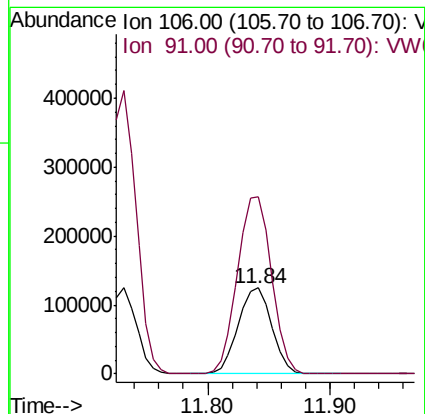
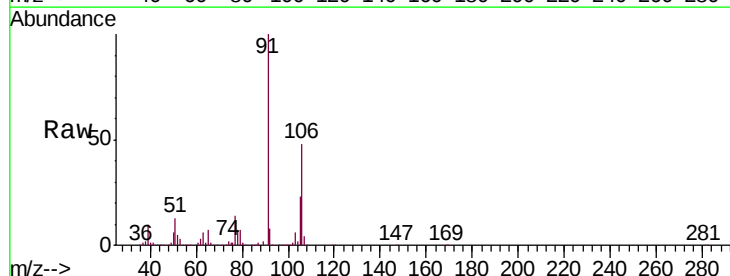
Acq: 29 Jul 2019 17:06

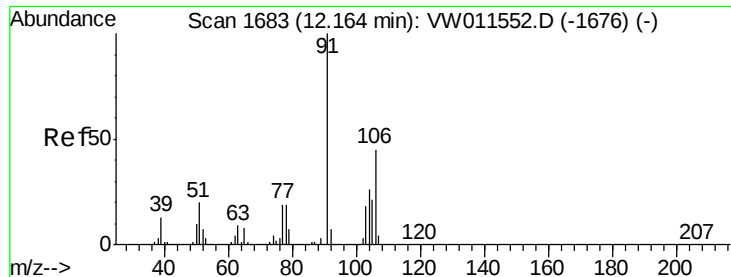
Tgt Ion: 106 Resp: 237012

Ion Ratio Lower Upper

106 100

91 207.3 143.7 266.9

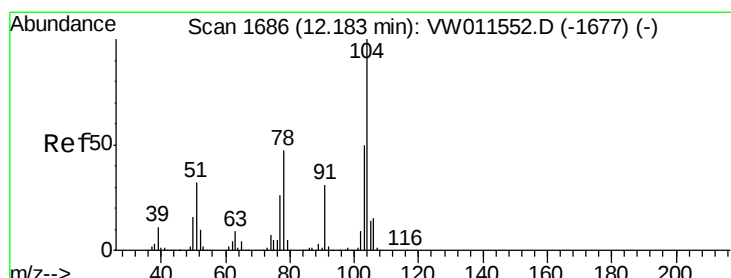
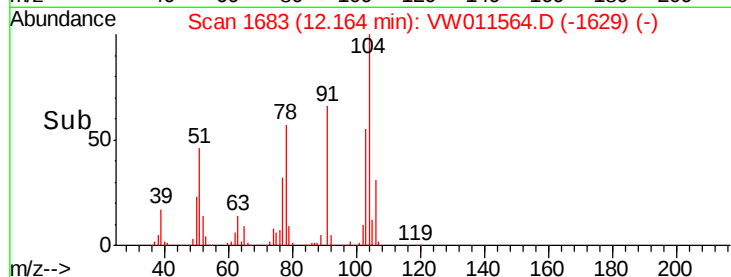
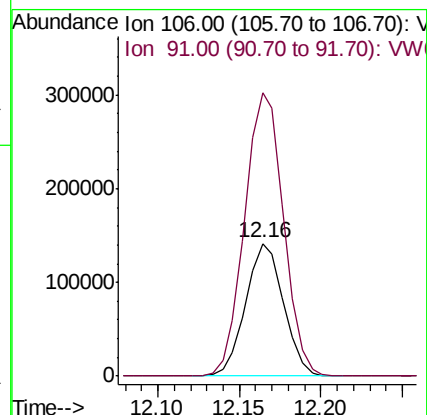
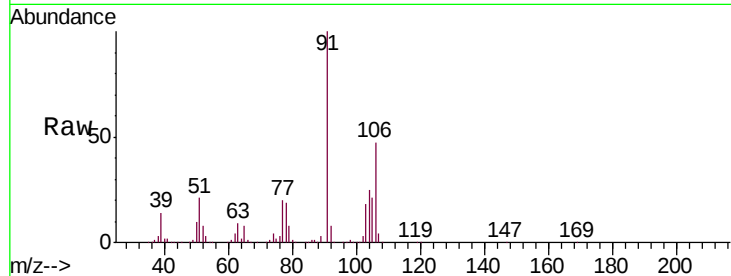




#55
o-xylene
Concen: 25.377 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

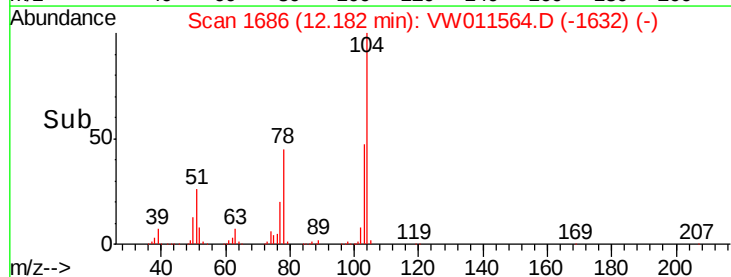
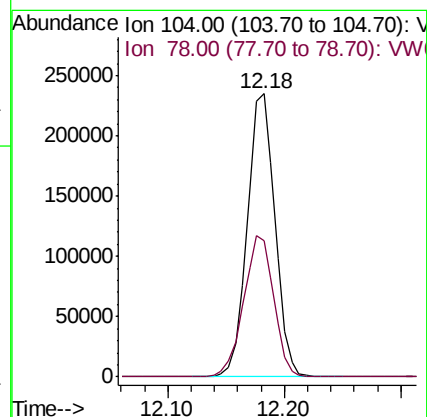
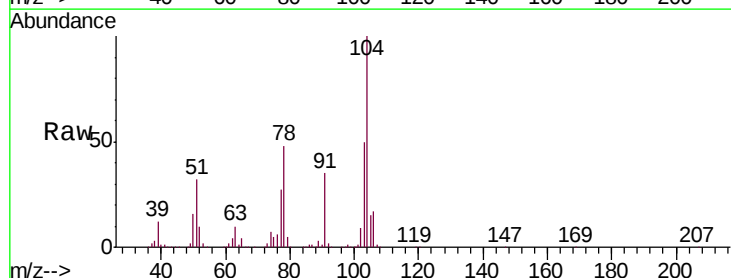
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

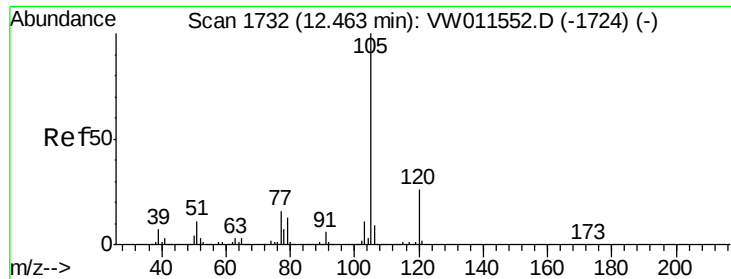
Tgt Ion:106 Resp: 227865
Ion Ratio Lower Upper
106 100
91 213.8 155.5 288.9



#56
Styrene
Concen: 25.869 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011564.D
Acq: 29 Jul 2019 17:06

Tgt Ion:104 Resp: 390765
Ion Ratio Lower Upper
104 100
78 48.0 33.5 62.1





#57

Isopropylbenzene

Concen: 25.575 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

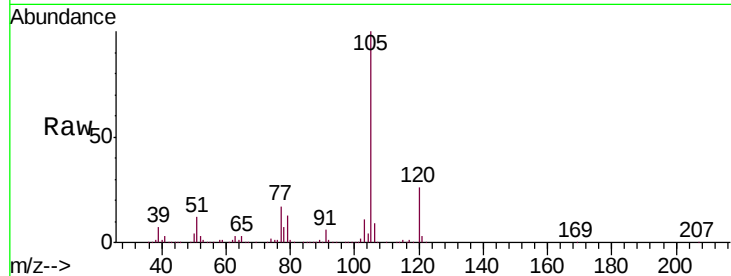
Tgt Ion: 105 Resp: 625519

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

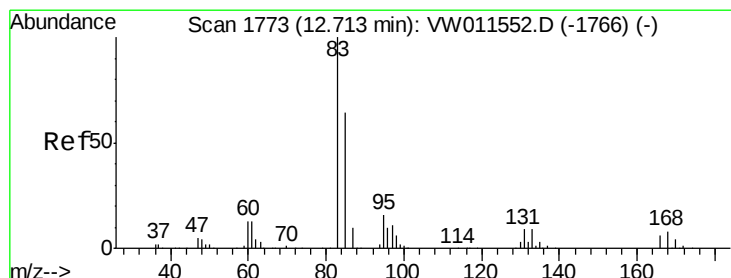
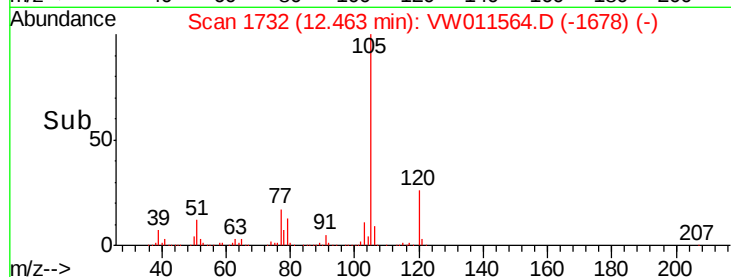
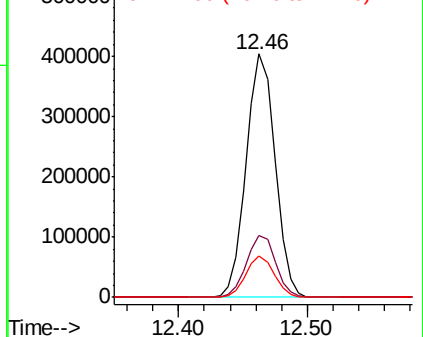
77 16.7 13.3 19.9



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: 25.713 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

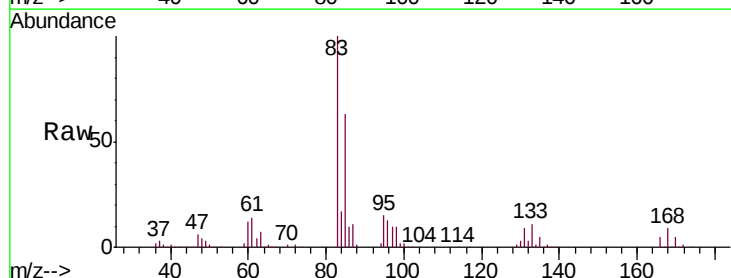
Tgt Ion: 83 Resp: 135359

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

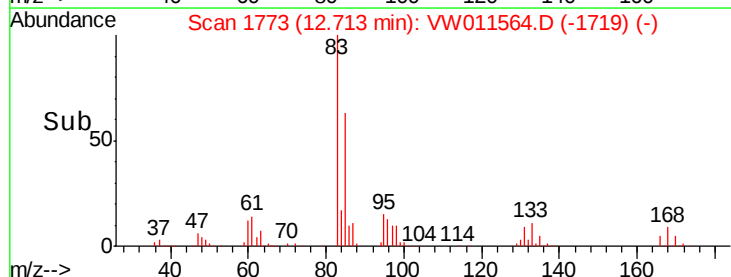
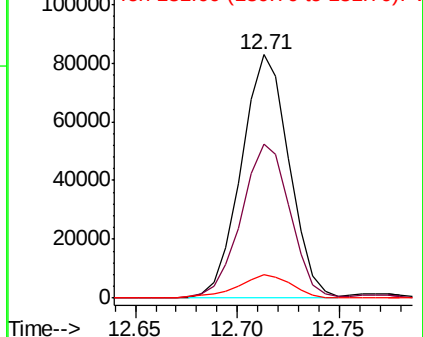
131 9.4 7.0 10.6

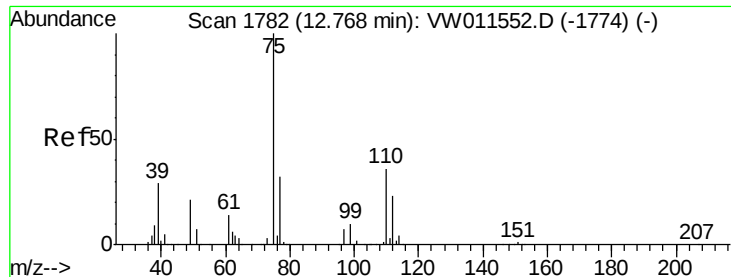


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.800 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

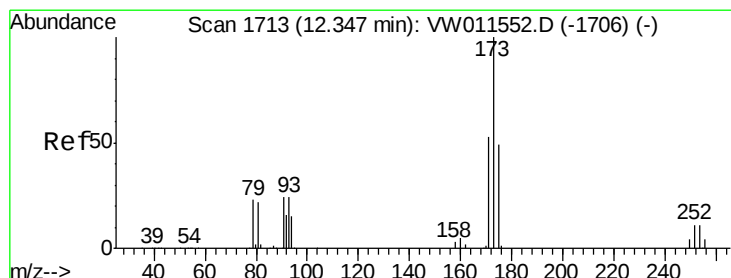
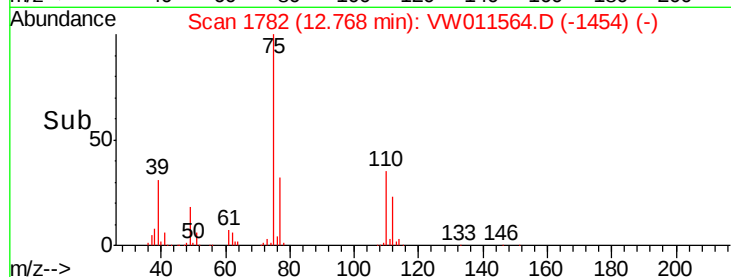
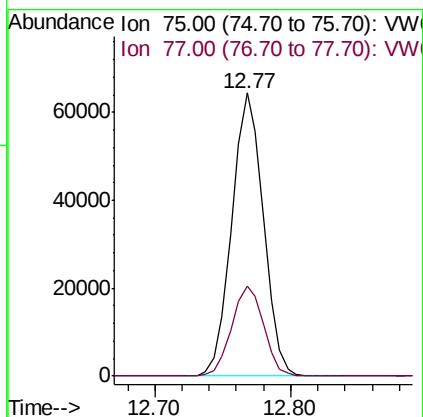
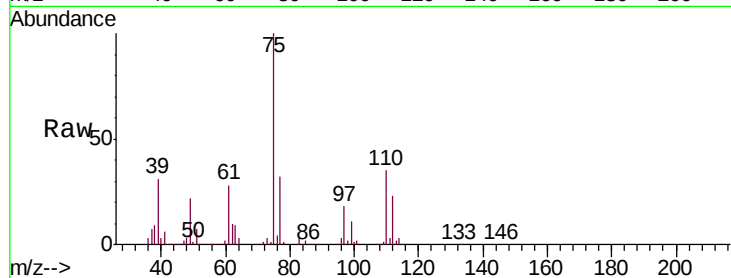
VSTD02522

Tgt Ion: 75 Resp: 103771

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#62

Bromoform

Concen: 25.462 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

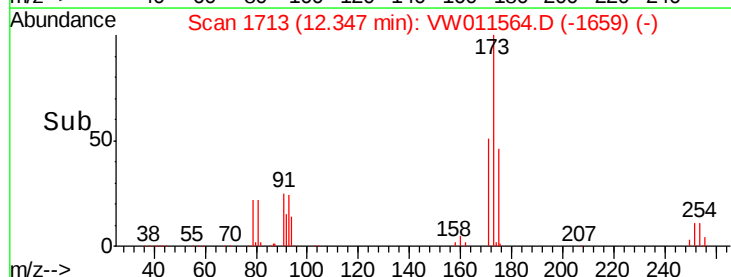
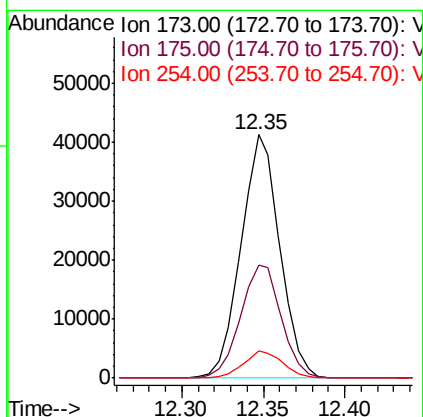
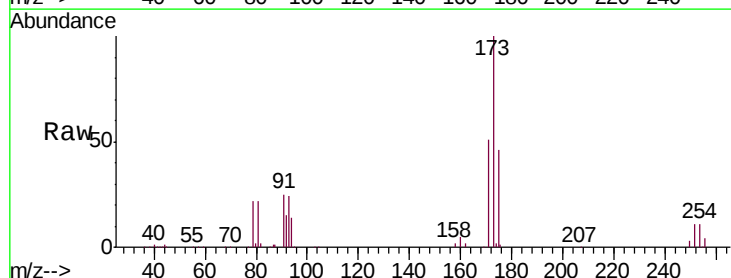
Tgt Ion:173 Resp: 68124

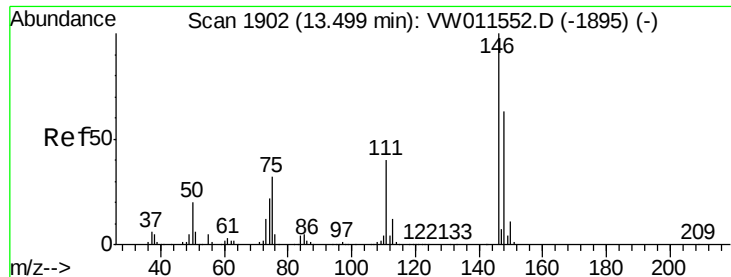
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

254 11.0 8.5 12.7

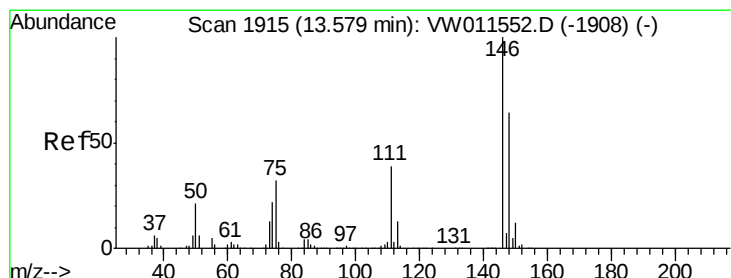
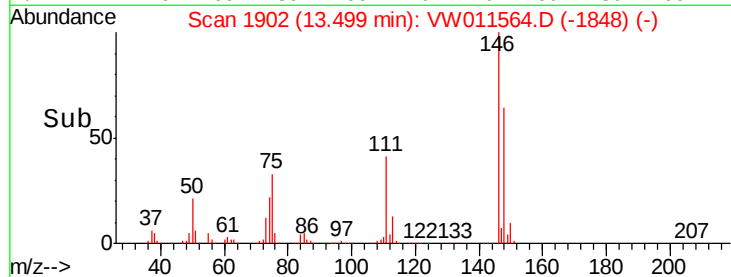
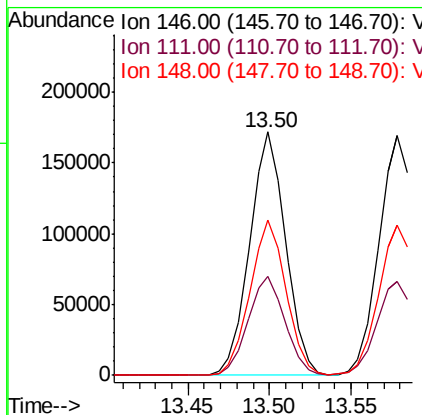
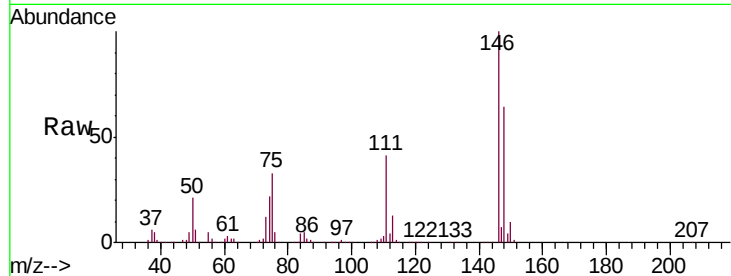




#63
 1,3-Dichlorobenzene
 Concen: 24.619 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

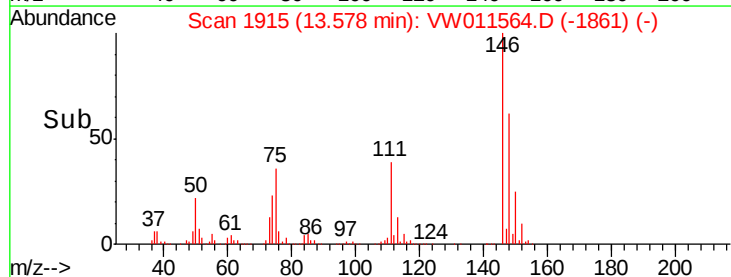
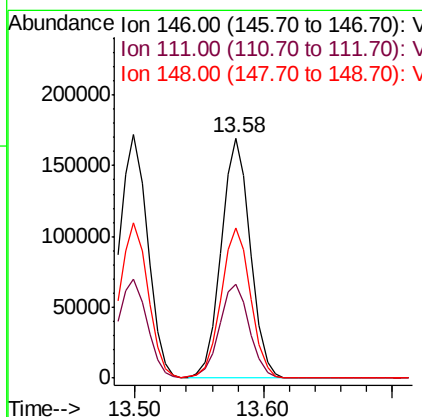
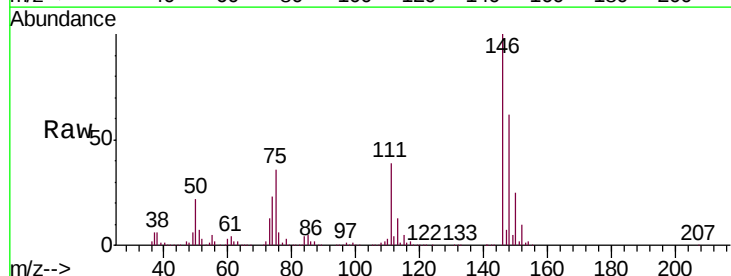
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

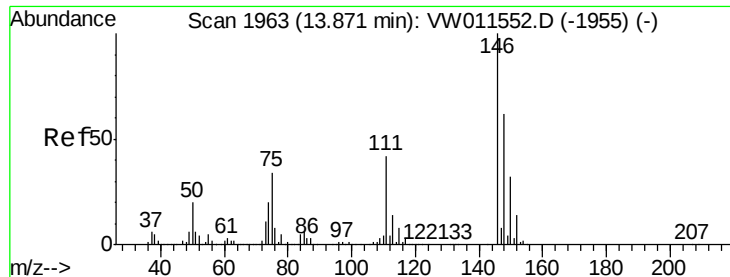
Tgt Ion:146 Resp: 263532
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.0 53.8
 148 63.6 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.713 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Tgt Ion:146 Resp: 268692
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.8 51.6
 148 62.4 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 24.910 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

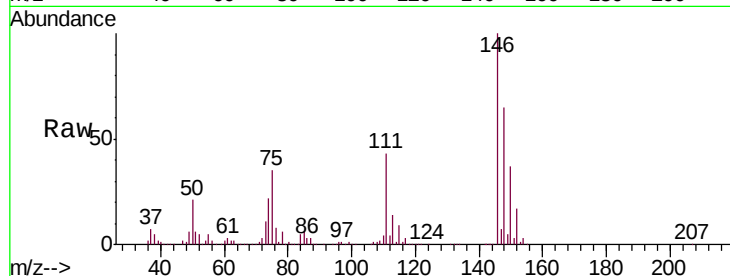
Tgt Ion:146 Resp: 245354

Ion Ratio Lower Upper

146 100

111 43.3 33.8 50.8

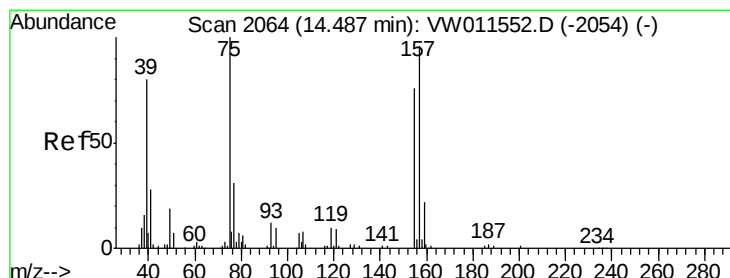
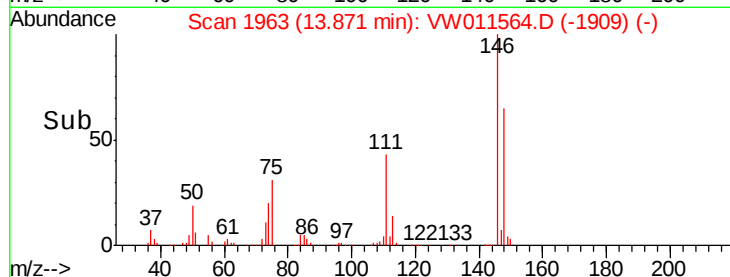
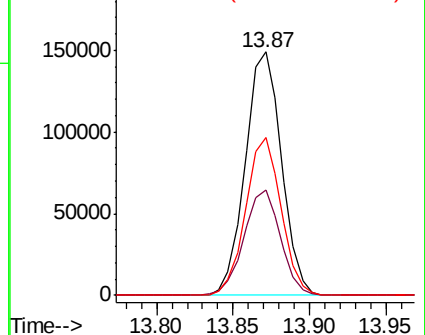
148 64.6 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 25.006 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

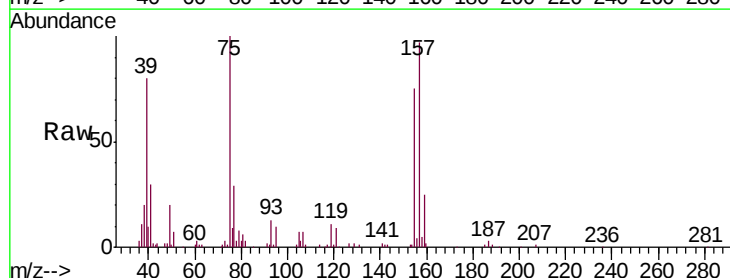
Tgt Ion: 75 Resp: 23476

Ion Ratio Lower Upper

75 100

157 96.7 73.7 110.5

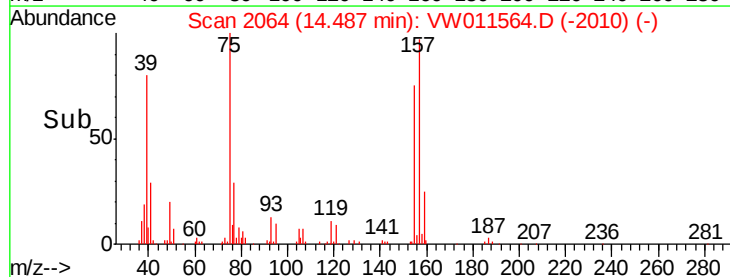
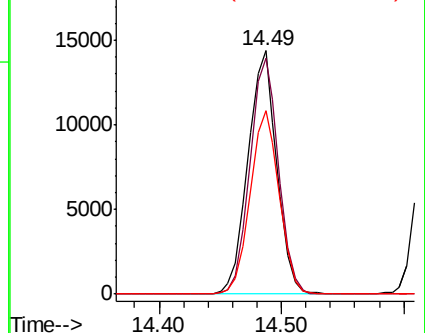
155 75.2 61.0 91.6

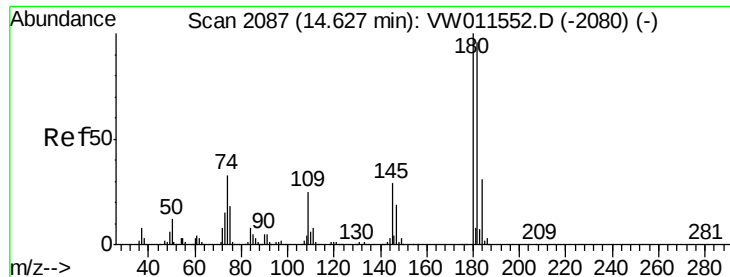


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

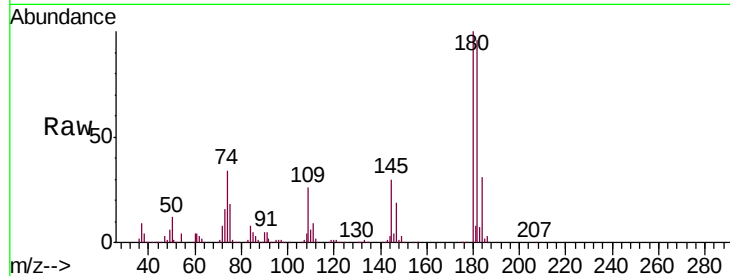




#67
 1,3,5-Trichlorobenzene
 Concen: 24.793 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.7	24.7	37.1
145	29.7	23.8	35.6



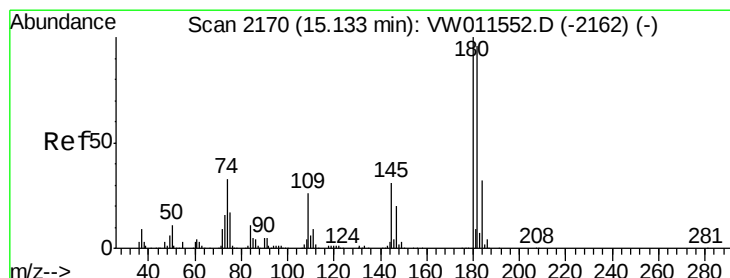
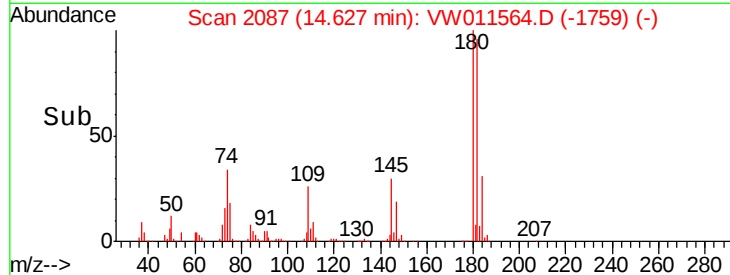
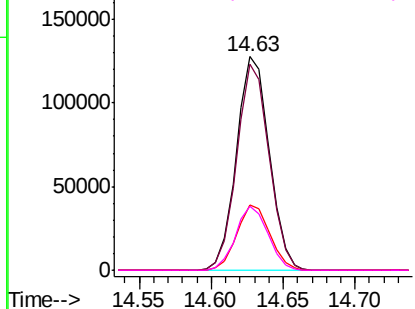
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

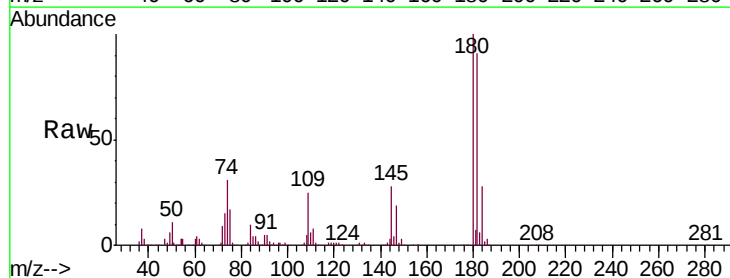
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.750 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011564.D
 Acq: 29 Jul 2019 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	29.6	24.2	36.2

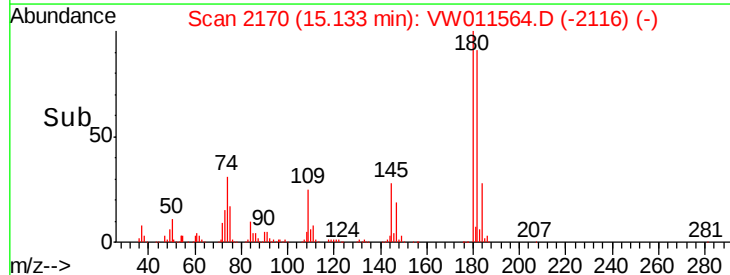
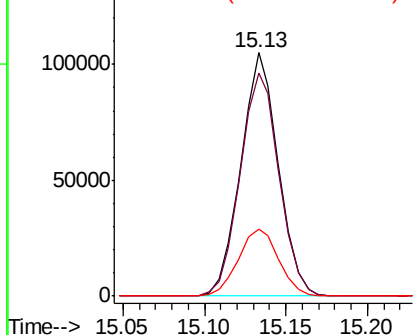


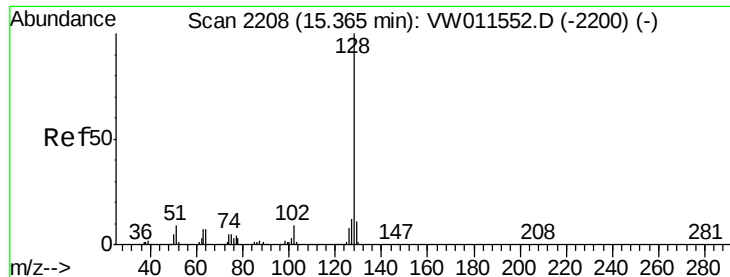
Abundance

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: 25.498 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

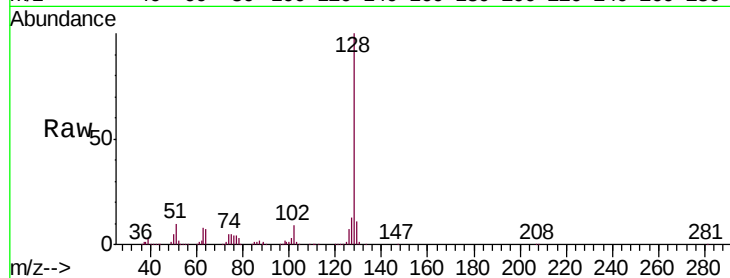
Tgt Ion:128 Resp: 351266

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

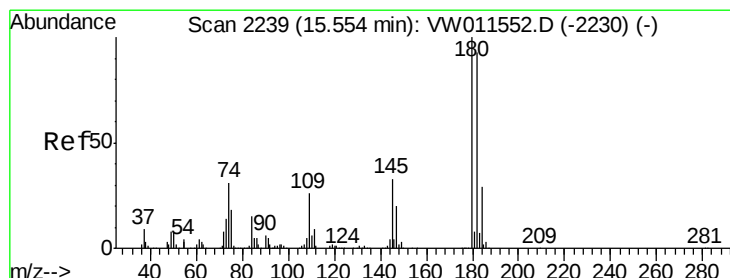
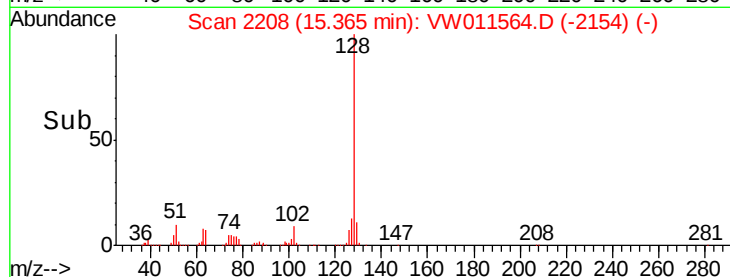
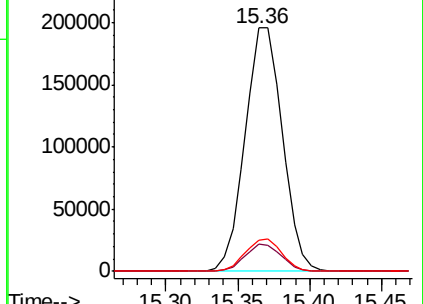
127 13.1 10.5 15.7



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: 24.945 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW011564.D

Acq: 29 Jul 2019 17:06

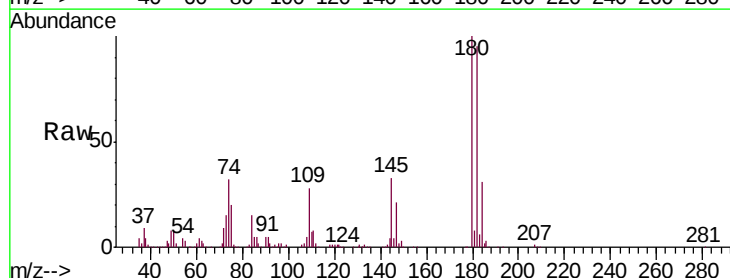
Tgt Ion:180 Resp: 152938

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

145 32.2 25.3 37.9



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

