

Data File : VW014145.D
Acq On : 26 Nov 2019 19:48
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: Nov 27 07:09:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 27 06:15:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	271676	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267589	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	167511	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	91897	21.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.80%
7) Chloroethane-d5	2.89	69	82400	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.80%
10) 1,1-Dichloroethene-d2	4.02	63	202494	22.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.04%
20) 2-Butanone-d5	7.07	46	80159	63.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.32%
24) Chloroform-d	7.65	84	226585	27.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.52%
26) 1,2-Dichloroethane-d4	8.30	65	119338	28.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.68%
29) Benzene-d6	8.27	84	452759	23.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.40%
33) 1,2-Dichloropropane-d6	9.27	67	139652	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.44%
37) Toluene-d8	10.32	98	422475	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
38) trans-1,3-Dichloropropene-	10.57	79	60267	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.20%
39) 2-Hexanone-d5	10.92	63	67493	64.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129695	30.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.52%#
61) 1,2-Dichlorobenzene-d4	13.85	152	163722	24.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	59697	18.477 ug/L	100
3) Chloromethane	2.21	50	56988	19.858 ug/L	100
5) Vinyl chloride	2.36	62	112944	25.205 ug/L	99
6) Bromomethane	2.78	94	68704	24.765 ug/L	99
8) Chloroethane	2.92	64	66021	24.770 ug/L	94
9) Trichlorofluoromethane	3.25	101	57856	18.935 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118276	26.215 ug/L	98
12) 1,1-Dichloroethene	4.04	96	116332	25.365 ug/L	95
13) Acetone	4.11	43	63655	49.677 ug/L	99
14) Carbon disulfide	4.39	76	309726	23.728 ug/L	99
15) Methyl Acetate	4.67	43	60914	29.381 ug/L	100
16) Methylene chloride	4.91	84	119757	22.897 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	157773	26.666 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	118139	24.702 ug/L	94
19) 1,1-Dichloroethane	6.21	63	215483	26.749 ug/L	99
21) 2-Butanone	7.17	43	88621	53.833 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	131098	26.049 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60745	27.497	ug/L	96
25) Chloroform	7.67	83	218727	27.649	ug/L	99
27) 1,2-Dichloroethane	8.40	62	137298	28.666	ug/L	97
30) Cyclohexane	7.95	56	195205	22.795	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	169090	25.215	ug/L	98
32) Carbon tetrachloride	8.06	117	160801	24.979	ug/L	98
34) Benzene	8.32	78	494040	25.171	ug/L	100
35) Trichloroethene	9.09	95	129745	24.781	ug/L	99
36) Methylcyclohexane	9.33	83	218037	23.226	ug/L	99
40) 1,2-Dichloropropane	9.37	63	123082	26.050	ug/L	99
41) Bromodichloromethane	9.64	83	153117	26.806	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	191668	25.705	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	177755	56.979	ug/L	99
44) Toluene	10.38	91	544976	25.467	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	155127	26.309	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	94927	27.343	ug/L	98
47) Tetrachloroethene	10.86	164	115743	24.802	ug/L	98
49) 2-Hexanone	10.96	43	132490	58.908	ug/L	97
50) Dibromochloromethane	11.13	129	114465	28.051	ug/L	99
51) 1,2-Dibromoethane	11.23	107	91112	27.049	ug/L	99
52) Chlorobenzene	11.65	112	341733	25.473	ug/L	94
53) Ethylbenzene	11.73	91	595768	25.370	ug/L	100
54) m,p-Xylene	11.84	106	229945	25.197	ug/L	97
55) o-xylene	12.16	106	219773	25.717	ug/L	99
56) Styrene	12.18	104	383337	26.553	ug/L	99
57) Isopropylbenzene	12.46	105	603653	25.691	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	119618	29.512	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	89461	29.347	ug/L	100
62) Bromoform	12.35	173	73291	26.698	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	282001	23.976	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	281941	24.261	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	262297	25.184	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	18322	25.830	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	221633	24.725	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	173688	24.643	ug/L	98
69) Naphthalene	15.36	128	324990	25.954	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	165711	26.641	ug/L	99

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

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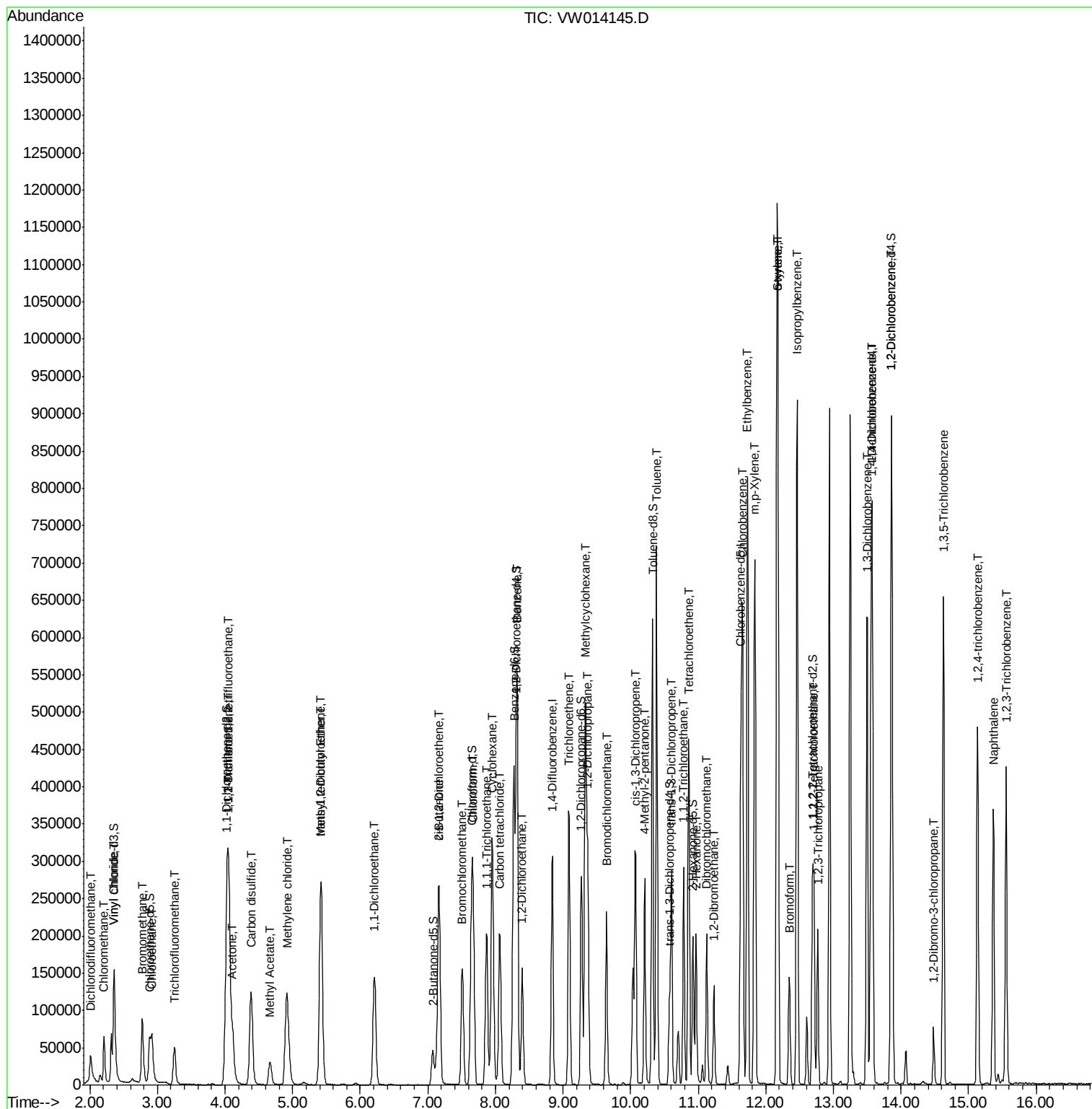
Quant Time: Nov 27 07:09:54 2019

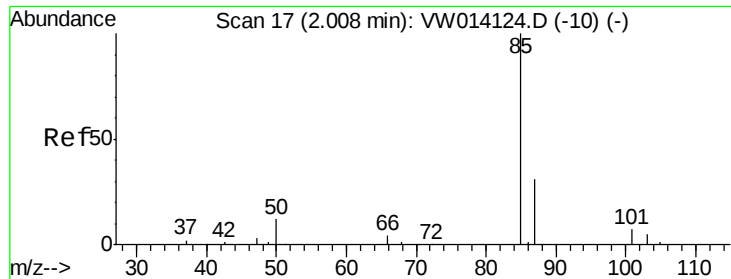
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 18.477 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

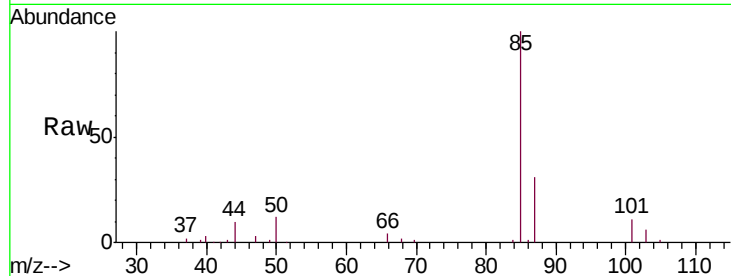
VSTD02522

Tgt Ion: 85 Resp: 59697

Ion Ratio Lower Upper

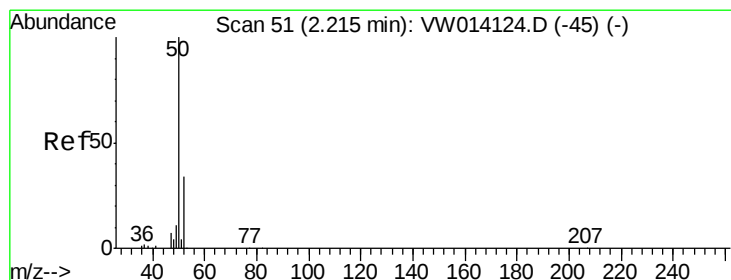
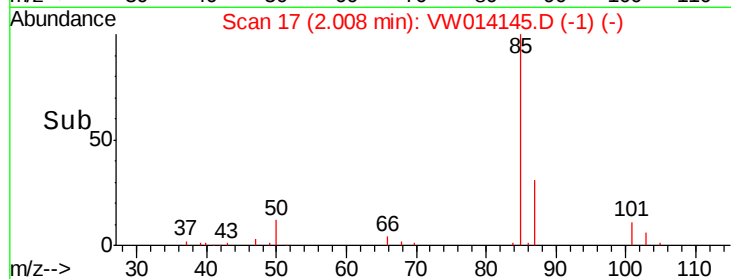
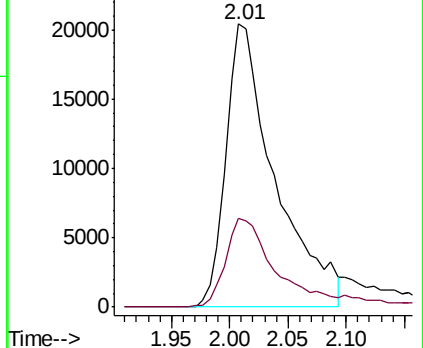
85 100

87 31.7 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.858 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014145.D

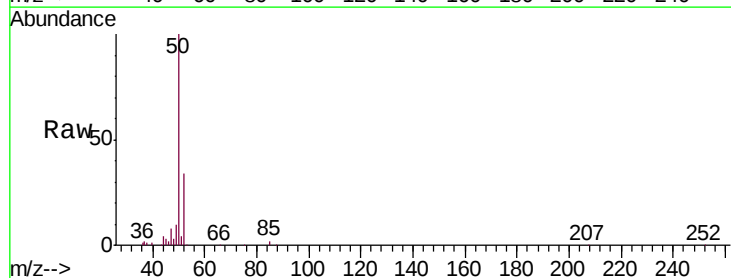
Acq: 26 Nov 2019 19:48

Tgt Ion: 50 Resp: 56988

Ion Ratio Lower Upper

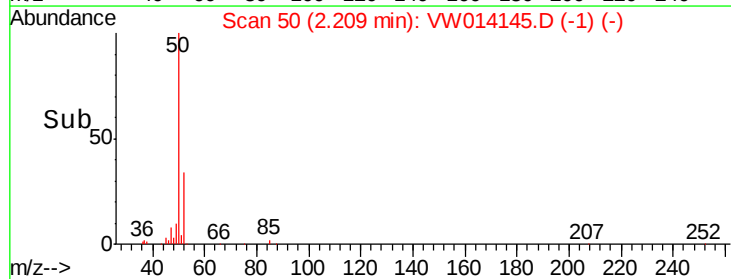
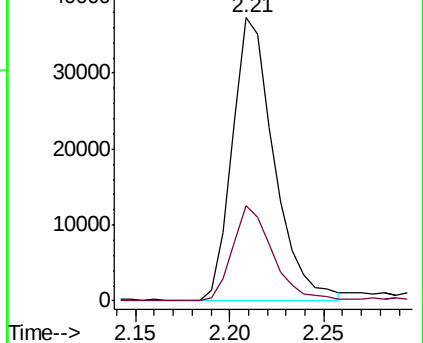
50 100

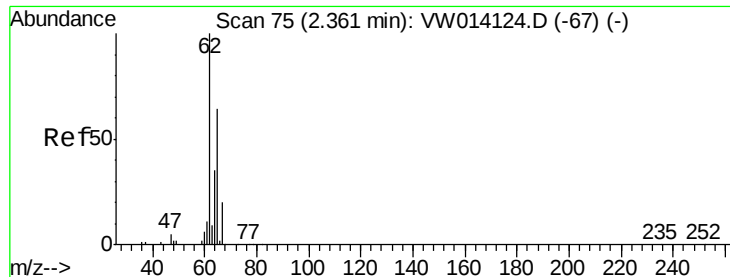
52 33.8 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.205 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

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ClientSampleId :

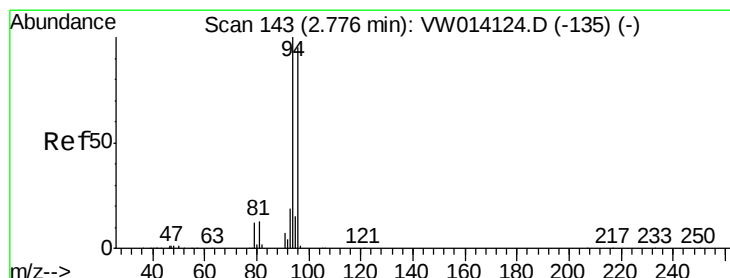
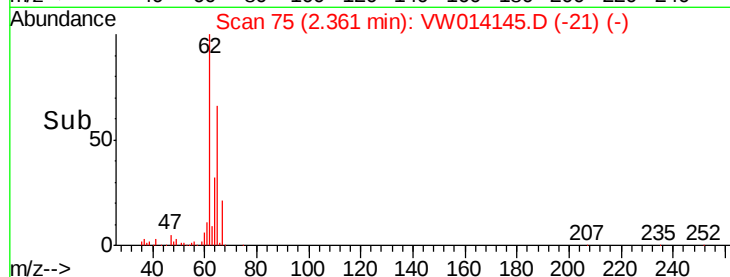
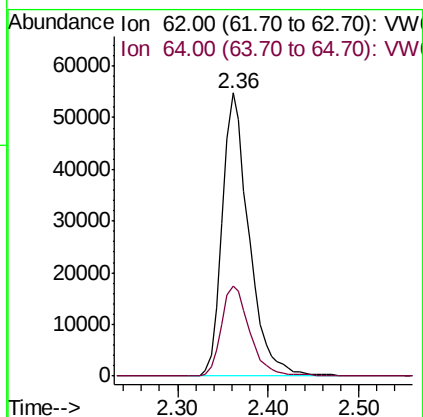
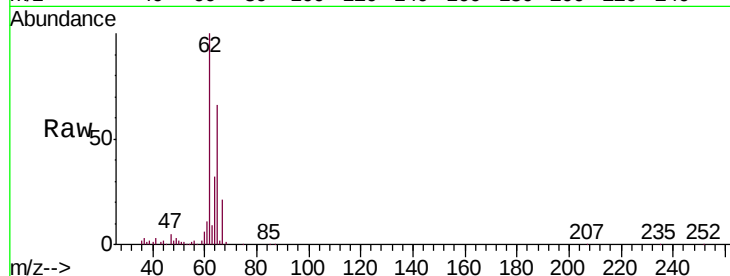
VSTD02522

Tgt Ion: 62 Resp: 112944

Ion Ratio Lower Upper

62 100

64 31.9 21.8 40.4



#6

Bromomethane

Concen: 24.765 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014145.D

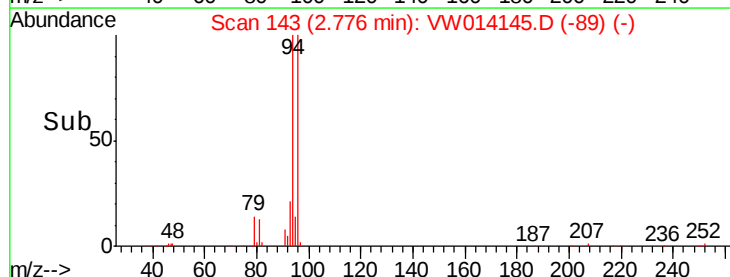
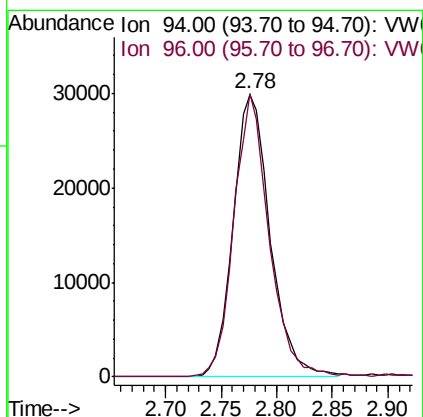
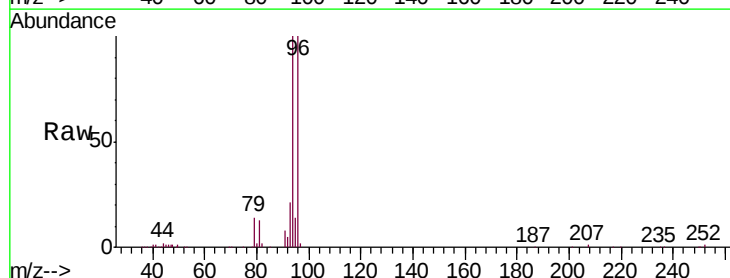
Acq: 26 Nov 2019 19:48

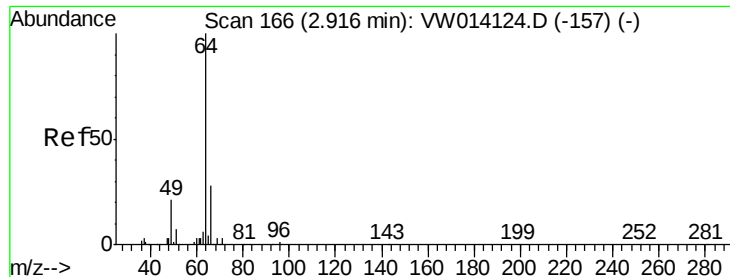
Tgt Ion: 94 Resp: 68704

Ion Ratio Lower Upper

94 100

96 95.1 9.4 178.8





#8

Chloroethane

Concen: 24.770 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

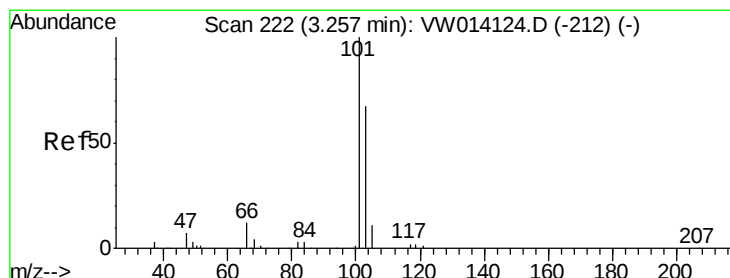
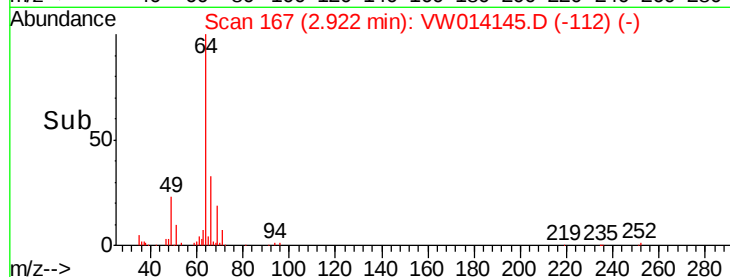
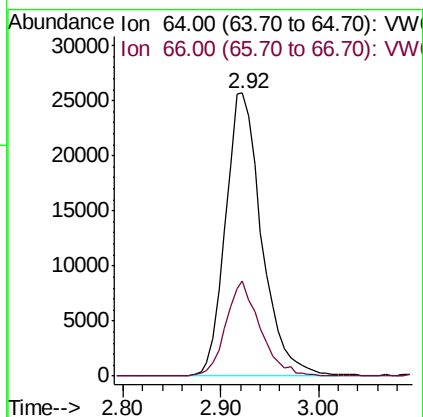
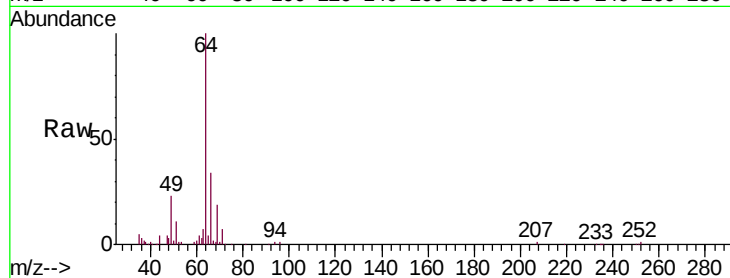
VSTD02522

Tgt Ion: 64 Resp: 66021

Ion Ratio Lower Upper

64 100

66 33.6 21.2 39.4



#9

Trichlorofluoromethane

Concen: 18.935 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014145.D

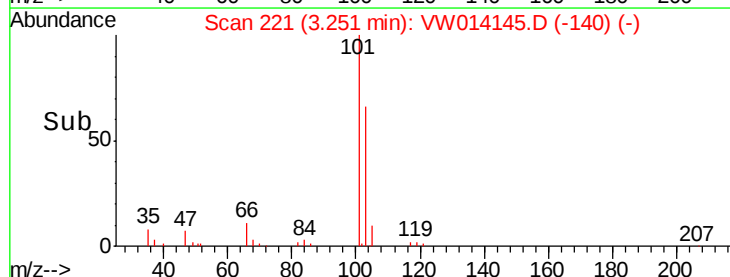
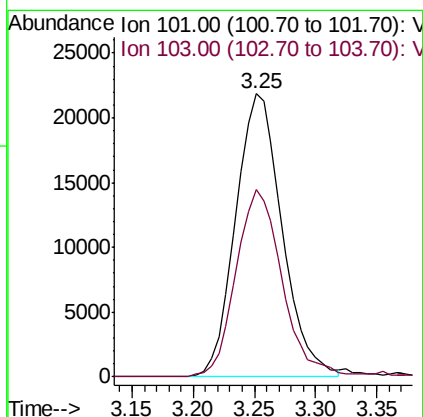
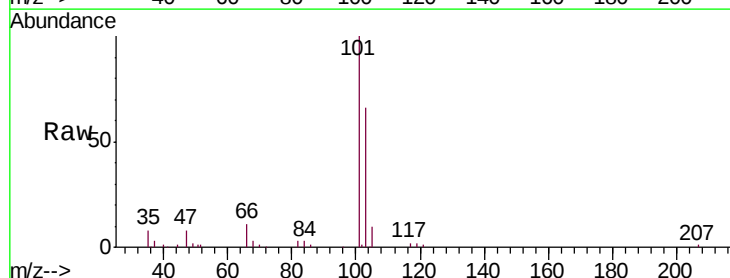
Acq: 26 Nov 2019 19:48

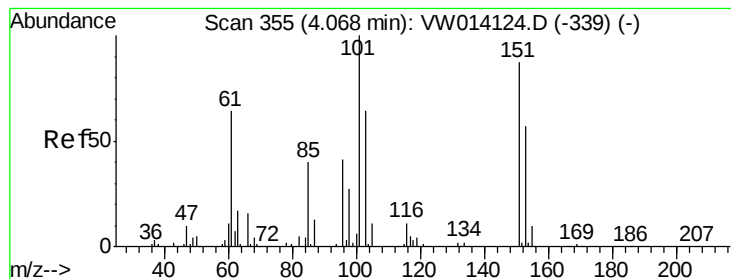
Tgt Ion: 101 Resp: 57856

Ion Ratio Lower Upper

101 100

103 65.4 45.4 84.2





#11

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

Concen: 26.215 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

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ClientSampleId :

VSTD02522

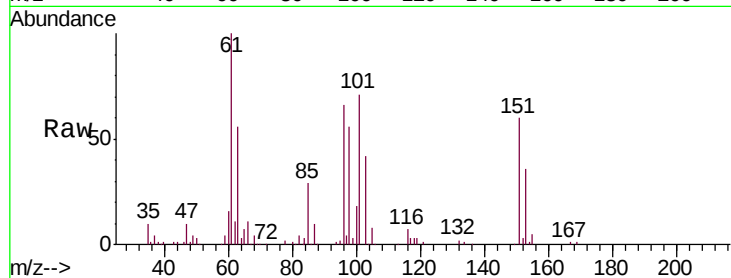
Tgt Ion: 101 Resp: 118276

Ion Ratio Lower Upper

101 100

85 40.4 31.4 47.2

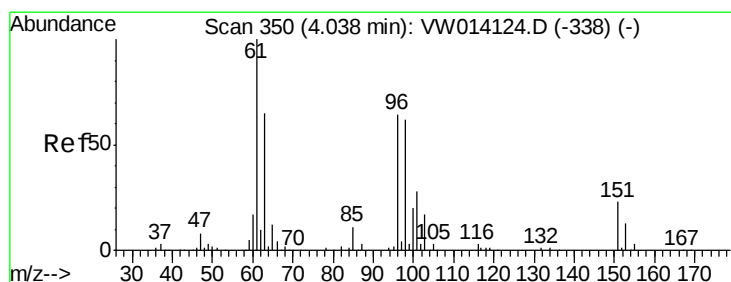
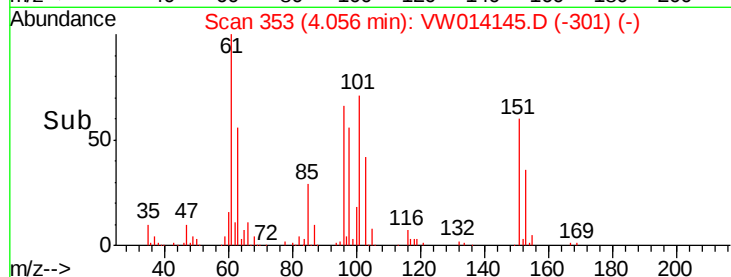
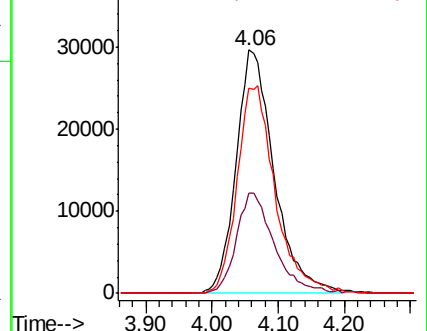
151 84.9 66.9 100.3



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: 25.365 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

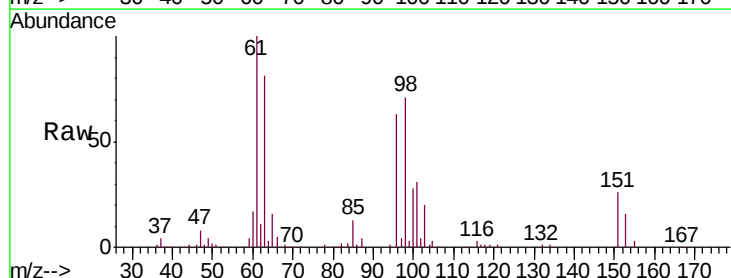
Tgt Ion: 96 Resp: 116332

Ion Ratio Lower Upper

96 100

61 157.8 109.8 204.0

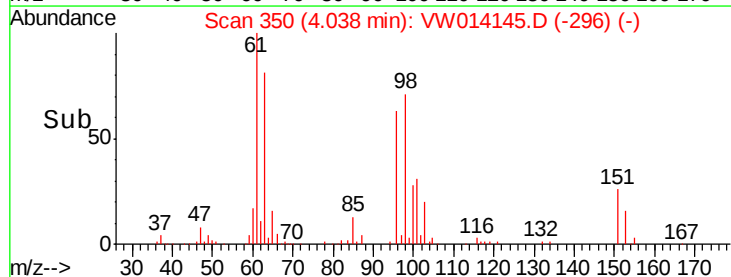
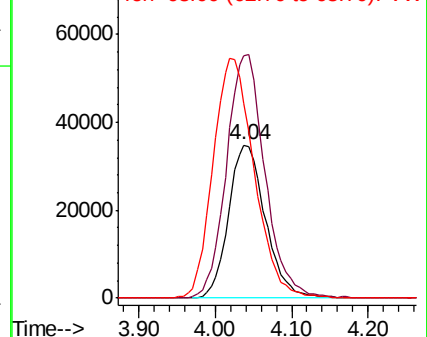
63 127.4 80.7 149.9

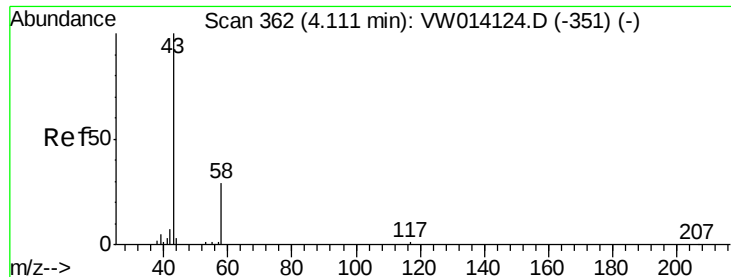


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.677 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

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ClientSampleId :

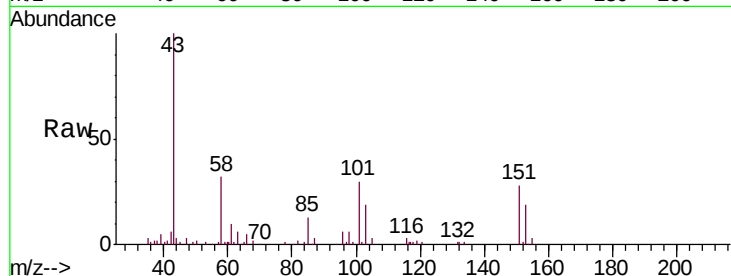
VSTD02522

Tgt Ion: 43 Resp: 63655

Ion Ratio Lower Upper

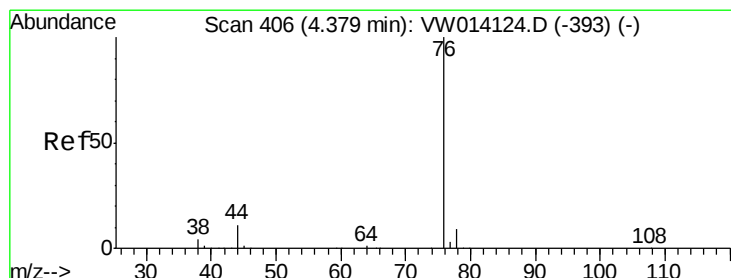
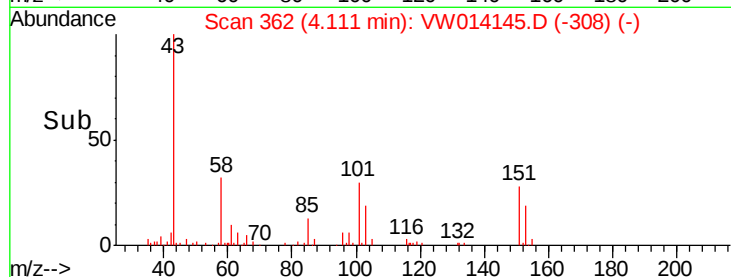
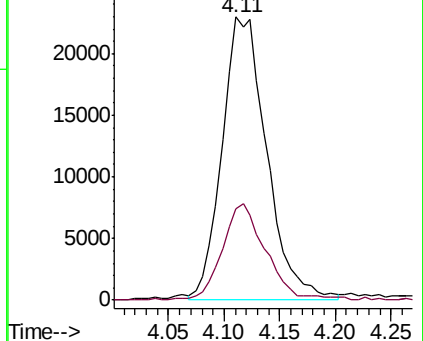
43 100

58 32.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.728 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014145.D

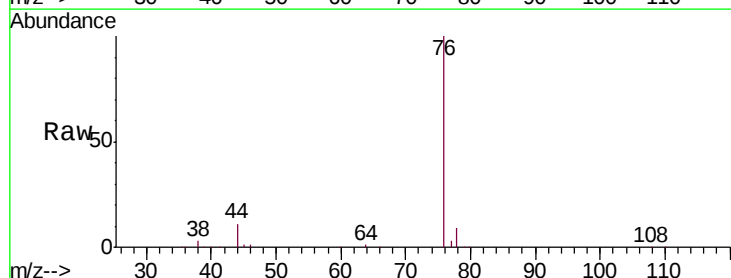
Acq: 26 Nov 2019 19:48

Tgt Ion: 76 Resp: 309726

Ion Ratio Lower Upper

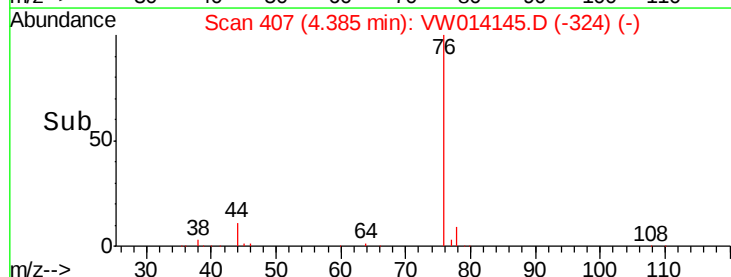
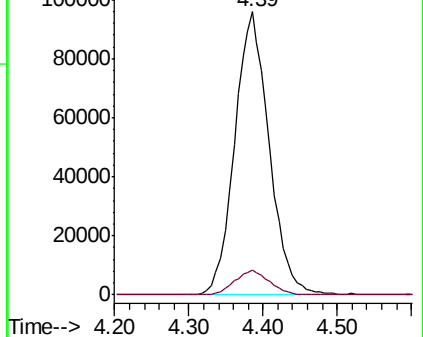
76 100

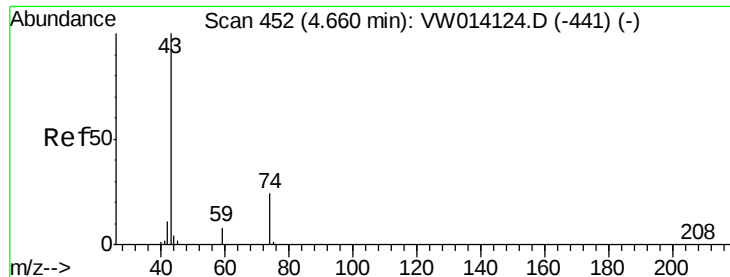
78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

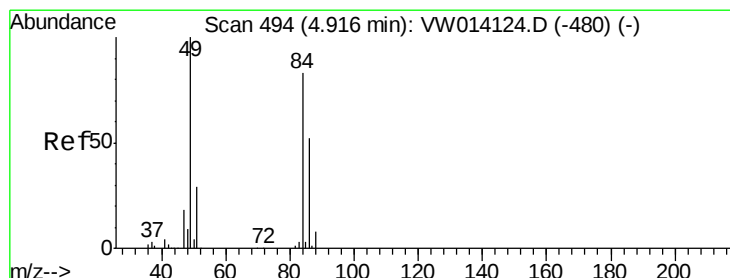
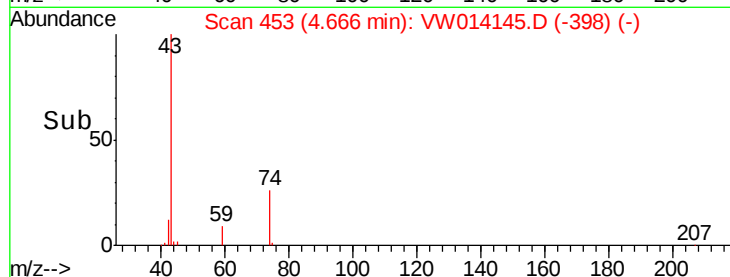
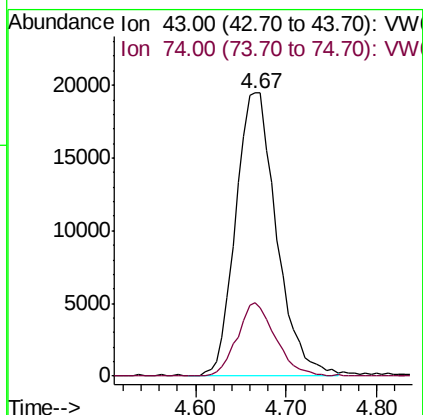
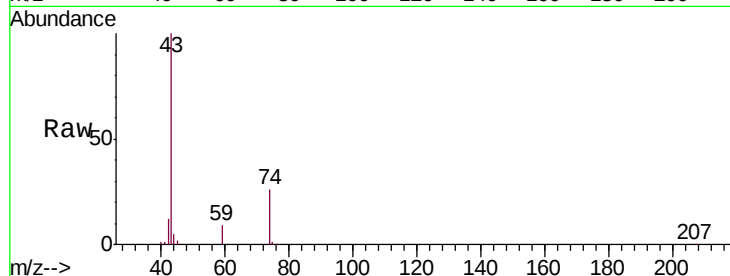




#15
Methyl Acetate
Concen: 29.381 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014145.D
Acq: 26 Nov 2019 19:48

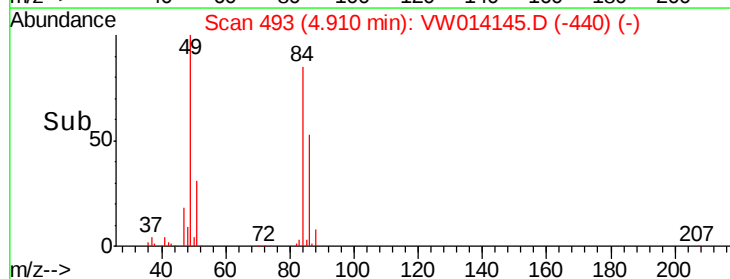
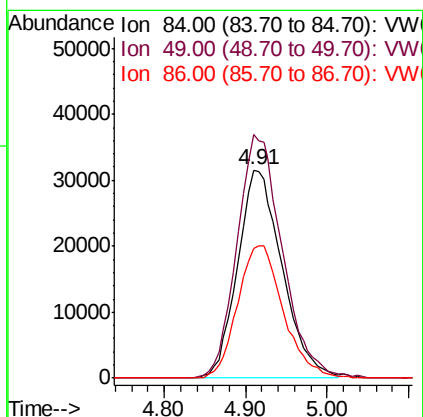
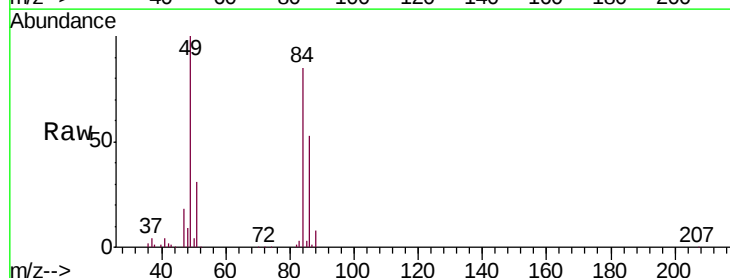
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

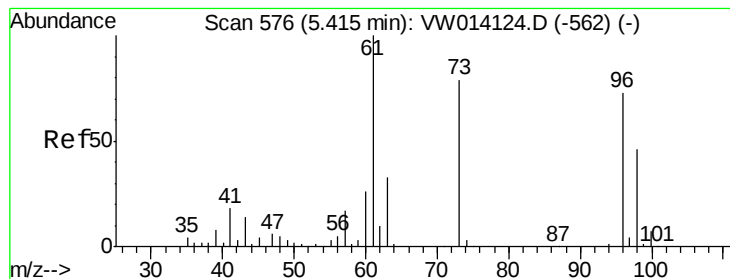
Tgt Ion: 43 Resp: 60914
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9



#16
Methylene chloride
Concen: 22.897 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014145.D
Acq: 26 Nov 2019 19:48

Tgt Ion: 84 Resp: 119757
Ion Ratio Lower Upper
84 100
49 117.0 84.2 156.4
86 62.6 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 26.666 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

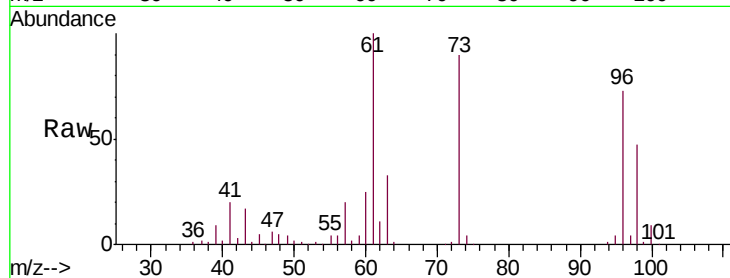
Tgt Ion: 73 Resp: 157773

Ion Ratio Lower Upper

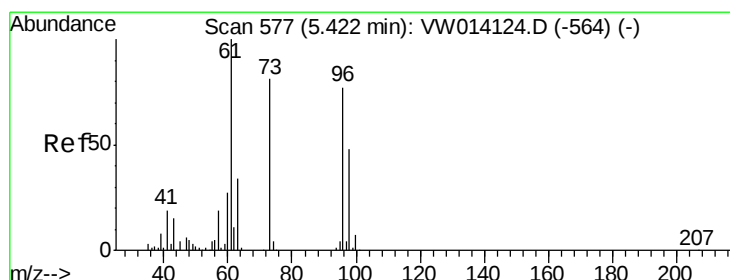
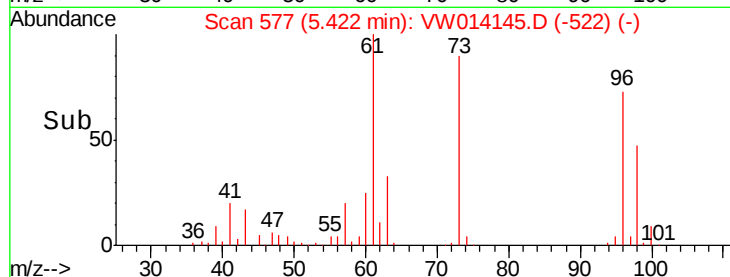
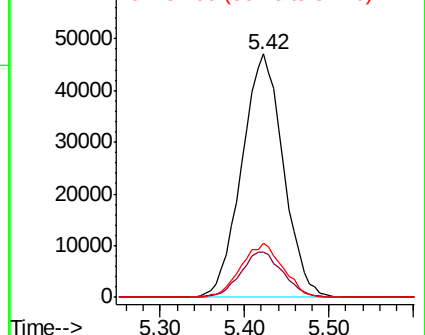
73 100

43 19.1 15.5 23.3

57 22.3 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 24.702 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

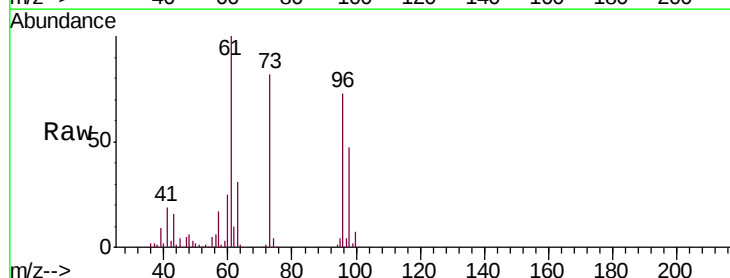
Tgt Ion: 96 Resp: 118139

Ion Ratio Lower Upper

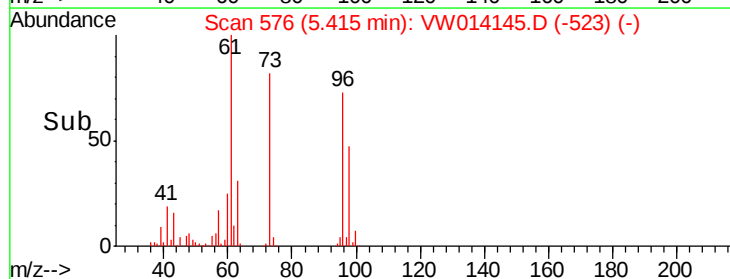
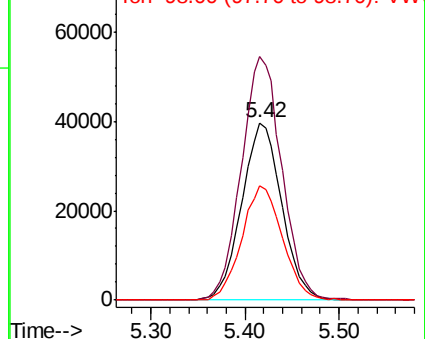
96 100

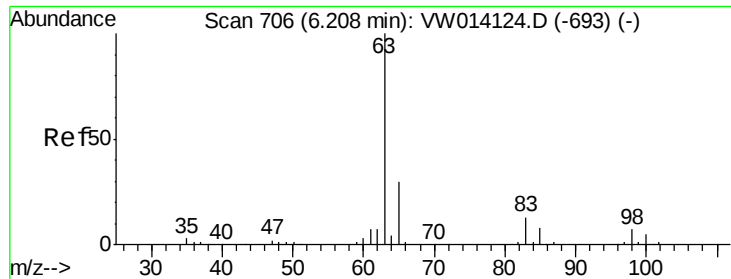
61 137.4 90.6 168.2

98 64.3 42.9 79.7



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

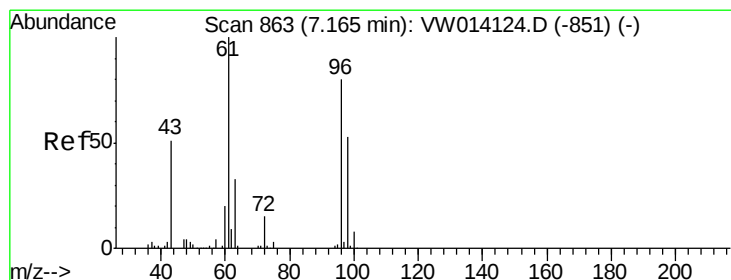
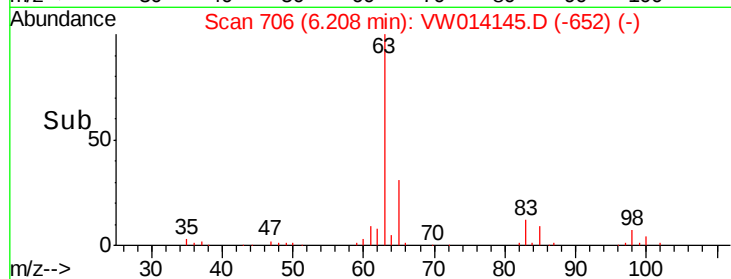
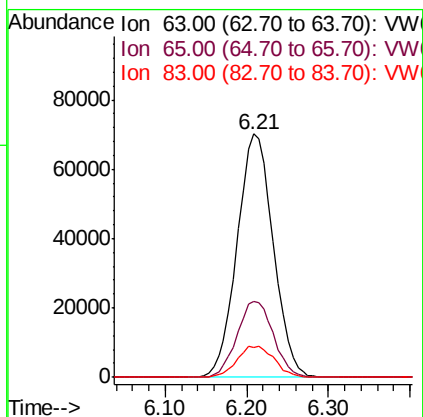
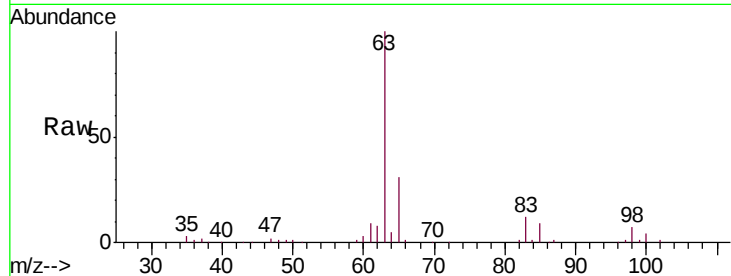




#19
 1,1-Dichloroethane
 Concen: 26.749 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

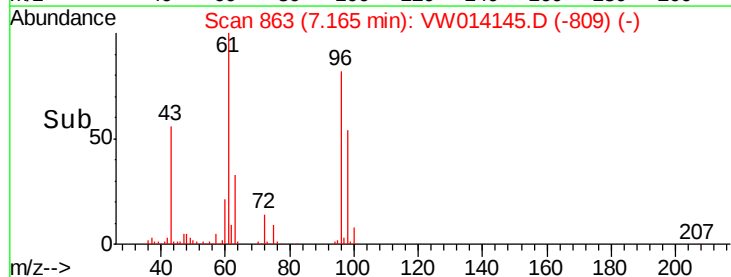
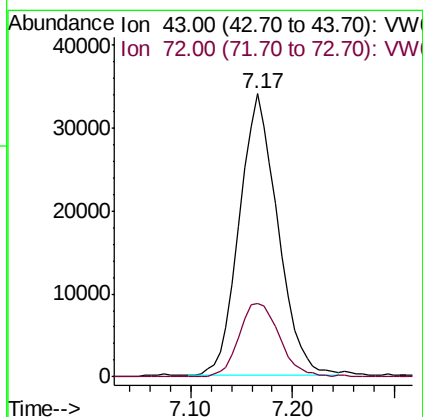
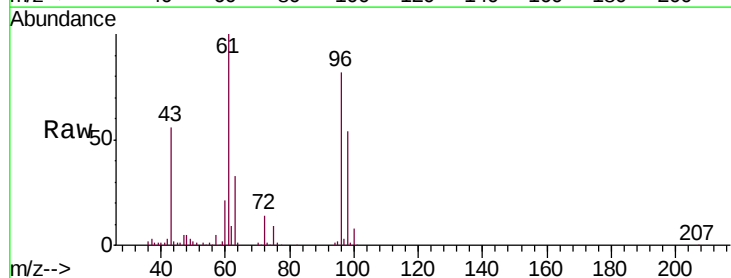
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

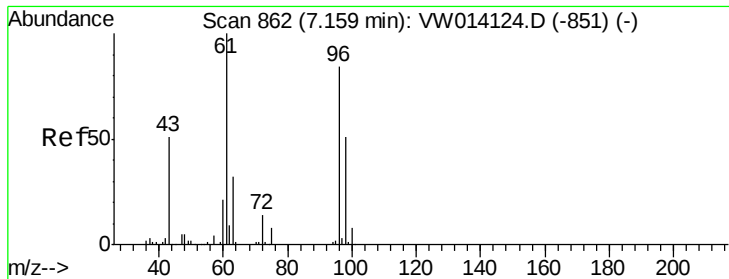
Tgt Ion: 63 Resp: 215483
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.1 41.1
 83 12.5 9.0 16.6



#21
 2-Butanone
 Concen: 53.833 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Tgt Ion: 43 Resp: 88621
 Ion Ratio Lower Upper
 43 100
 72 27.6 14.1 42.2



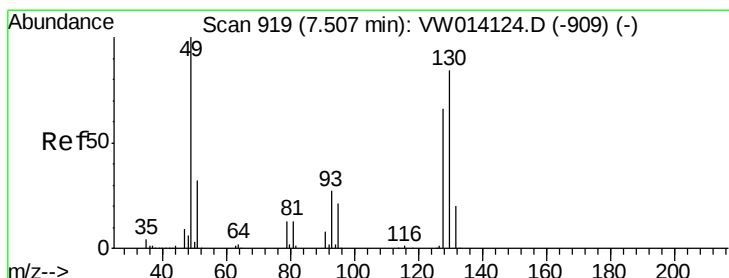
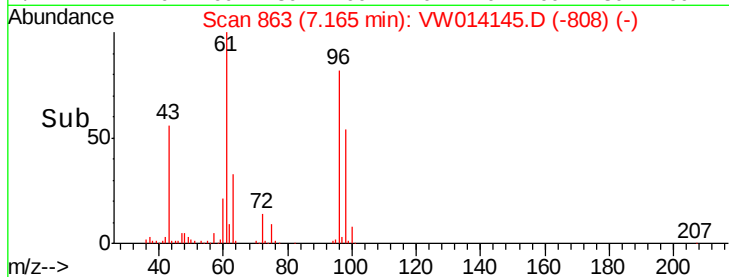
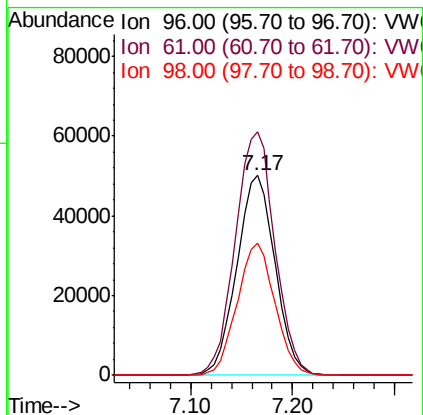
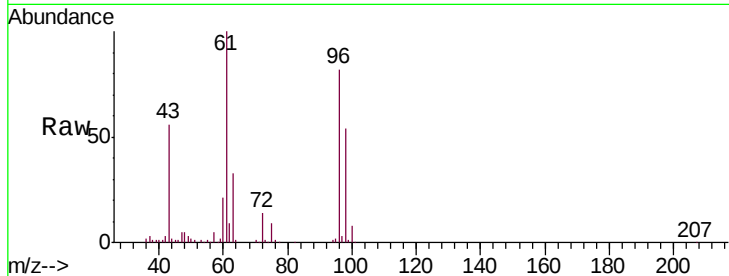


#22

cis-1,2-Dichloroethene
 Concen: 26.049 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

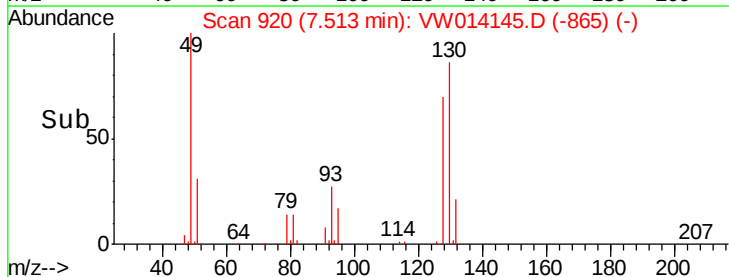
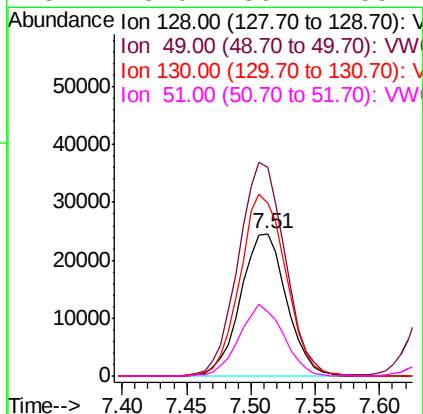
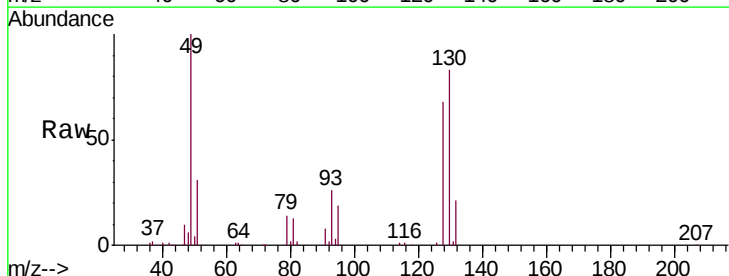
Tgt Ion: 96 Resp: 131098
 Ion Ratio Lower Upper
 96 100
 61 121.8 86.9 161.5
 98 66.3 45.5 84.5

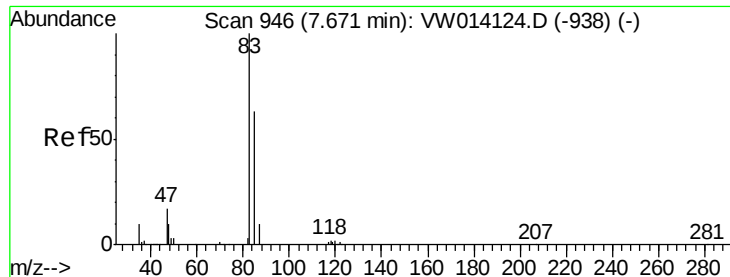


#23

Bromochloromethane
 Concen: 27.497 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Tgt Ion: 128 Resp: 60745
 Ion Ratio Lower Upper
 128 100
 49 146.9 95.1 176.5
 130 121.7 85.0 158.0
 51 45.0 36.7 55.1





#25

Chloroform

Concen: 27.649 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

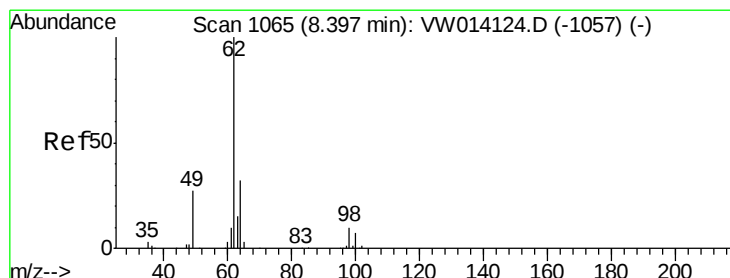
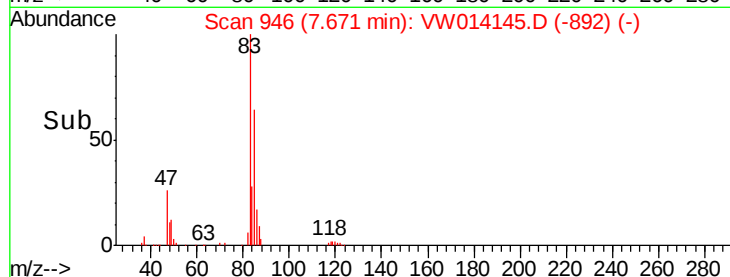
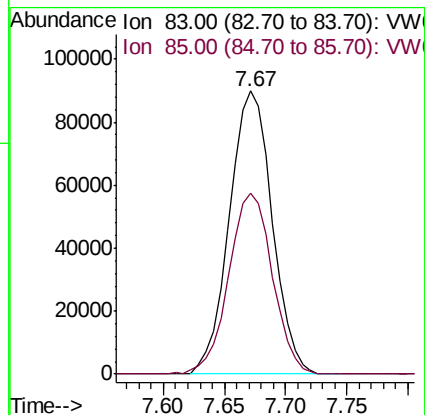
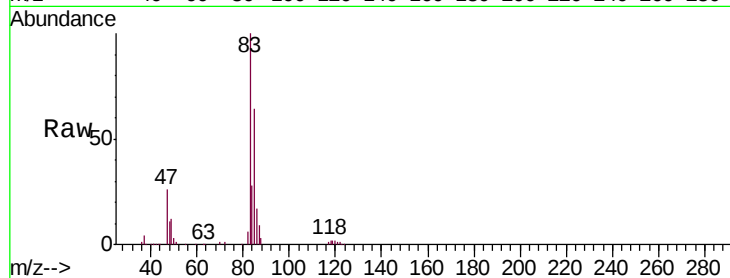
VSTD02522

Tgt Ion: 83 Resp: 218727

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.7



#27

1,2-Dichloroethane

Concen: 28.666 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014145.D

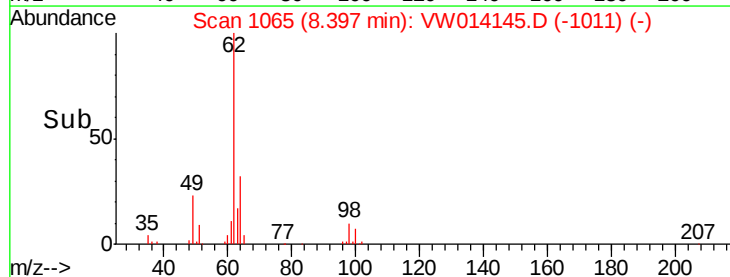
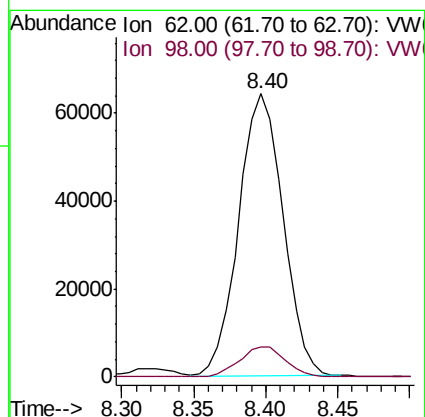
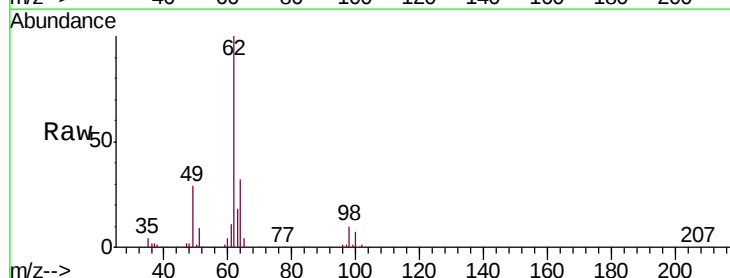
Acq: 26 Nov 2019 19:48

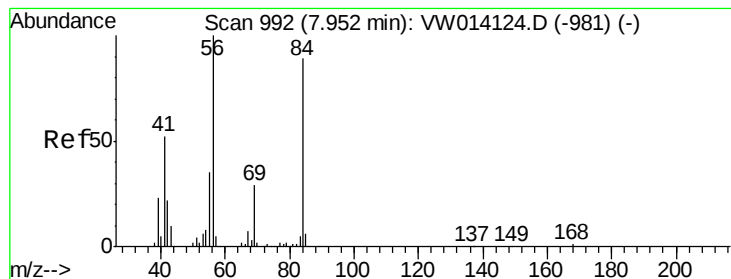
Tgt Ion: 62 Resp: 137298

Ion Ratio Lower Upper

62 100

98 10.5 9.3 13.9





#30

Cyclohexane

Concen: 22.795 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

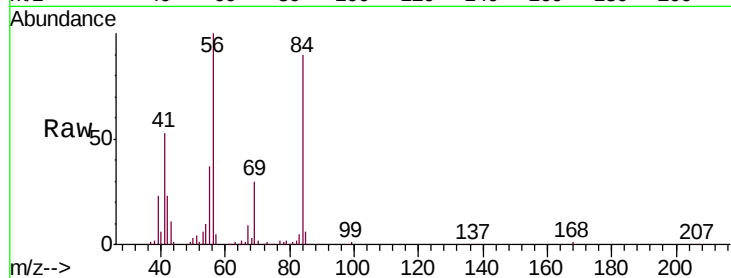
Tgt Ion: 56 Resp: 195205

Ion Ratio Lower Upper

56 100

69 30.4 24.6 37.0

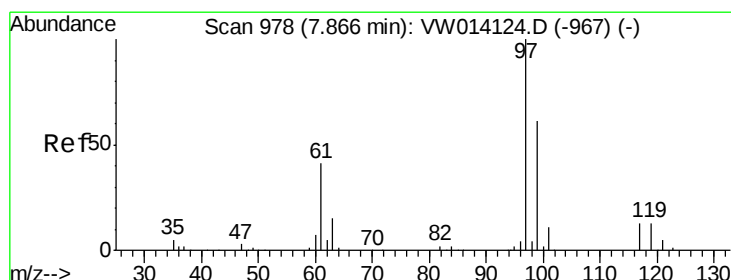
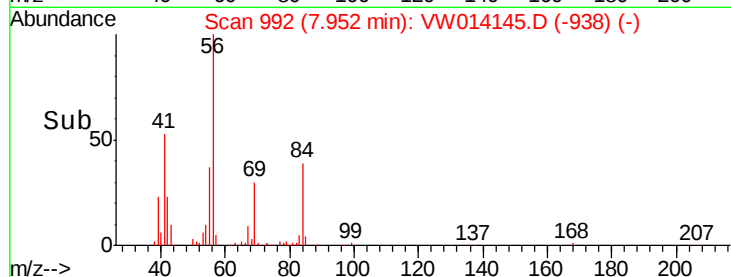
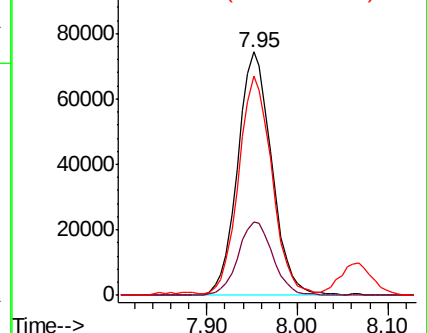
84 88.2 70.2 105.2



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: 25.215 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

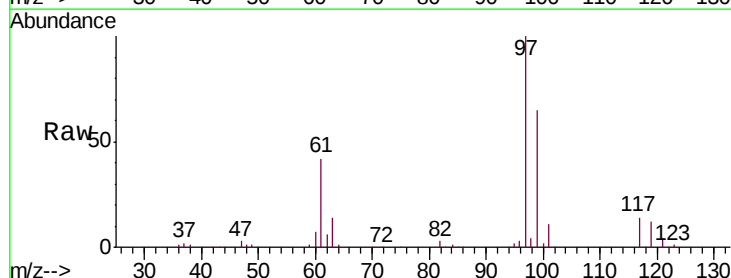
Tgt Ion: 97 Resp: 169090

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

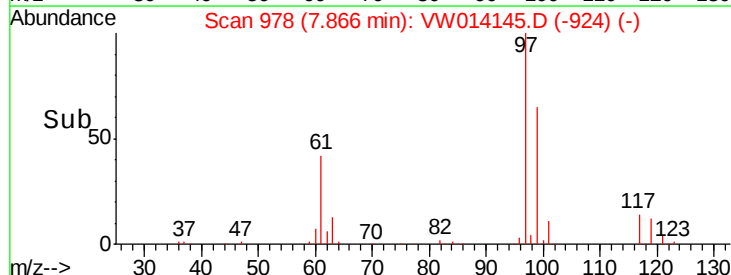
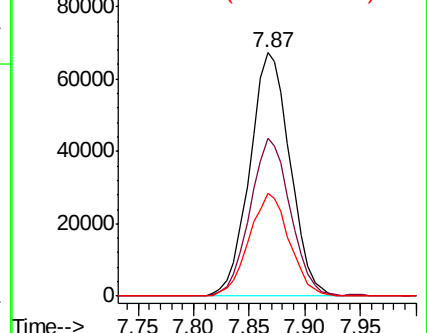
61 42.5 32.8 49.2

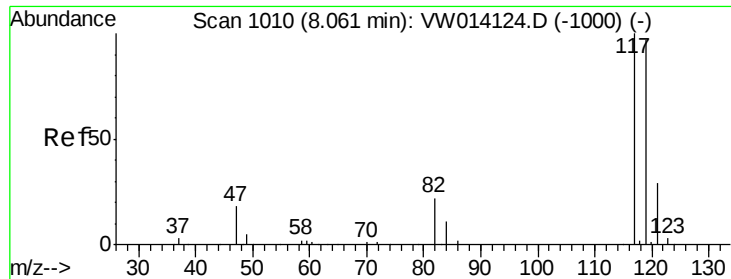


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.979 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

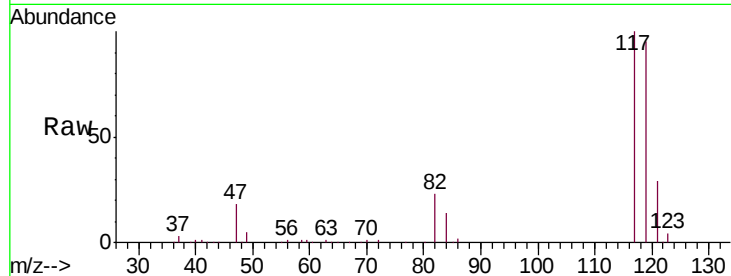
VSTD02522

Tgt Ion:117 Resp: 160801

Ion Ratio Lower Upper

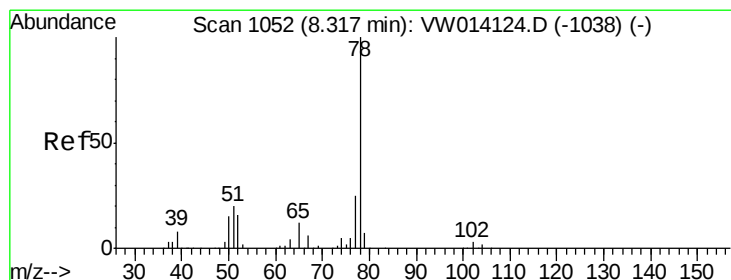
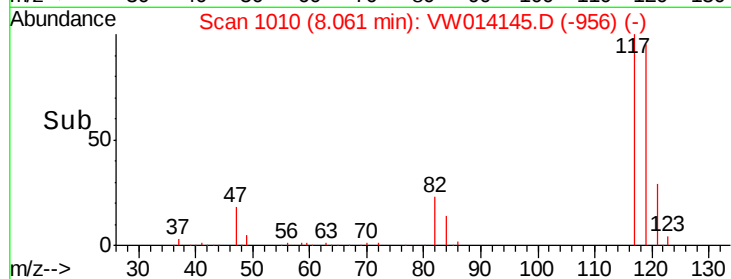
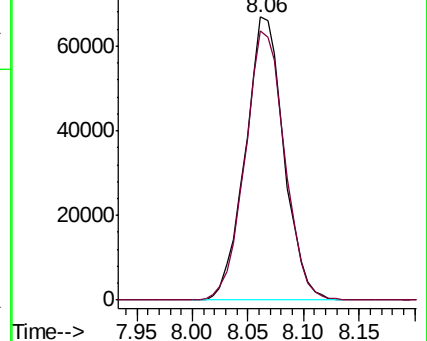
117 100

119 97.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.171 ug/L

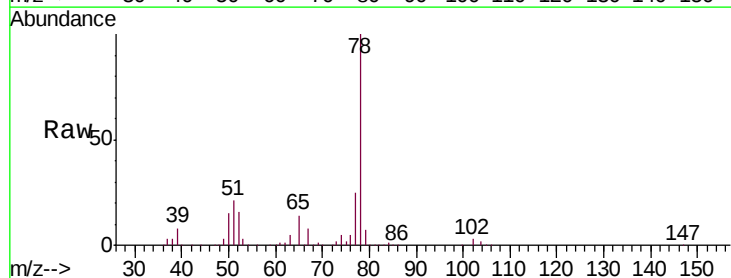
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

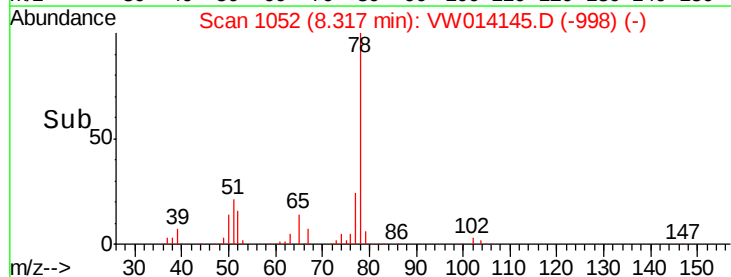
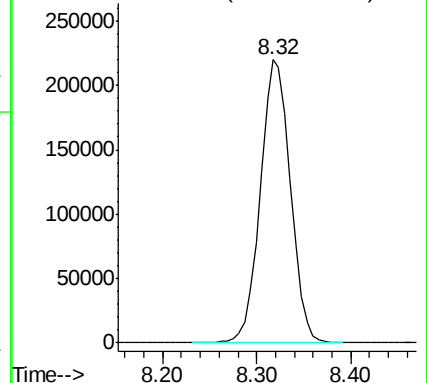
Lab File: VW014145.D

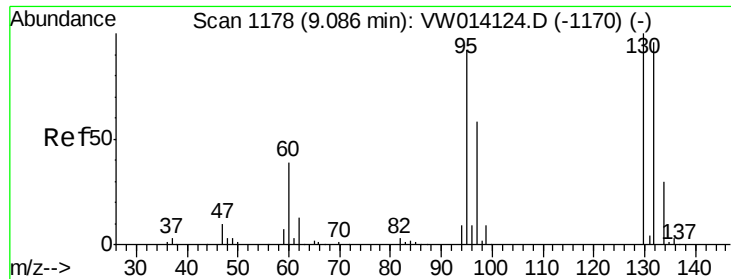
Acq: 26 Nov 2019 19:48

Tgt Ion: 78 Resp: 494040



Abundance Ion 78.00 (77.70 to 78.70): VW

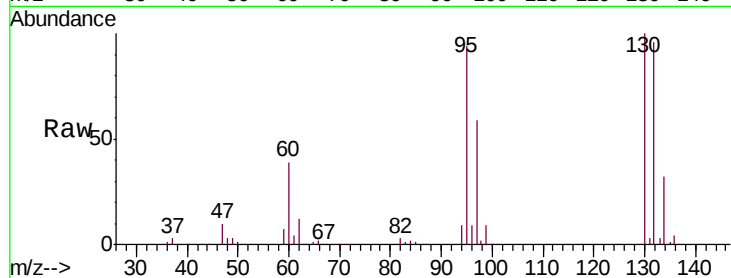




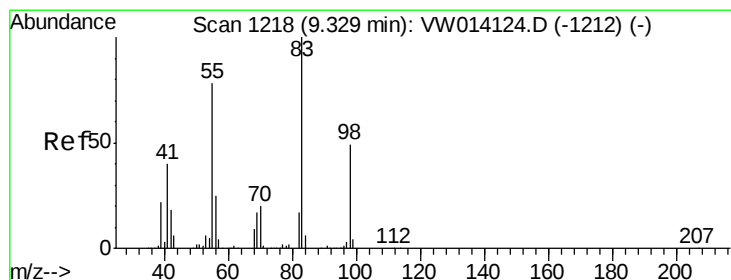
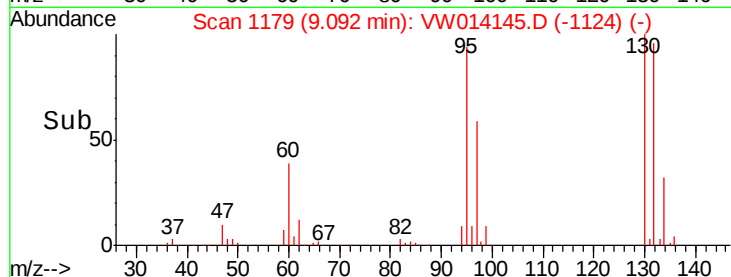
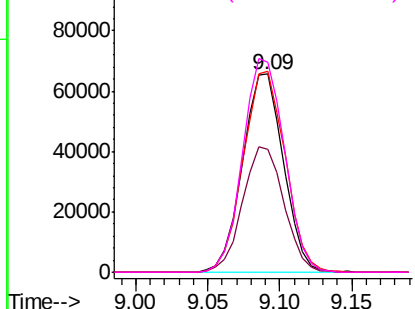
#35
 Trichloroethene
 Concen: 24.781 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tgt Ion:	95	Resp:	129745
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.1	83.9
132	103.7	73.7	136.9
130	109.4	76.6	142.2

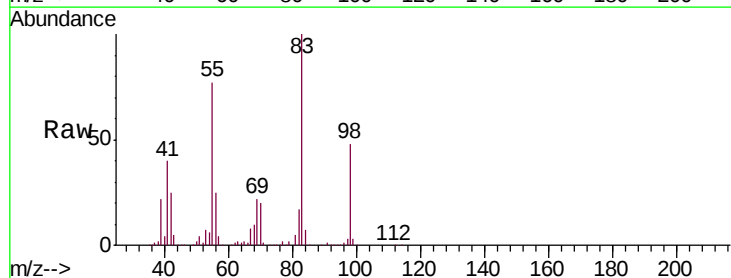


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

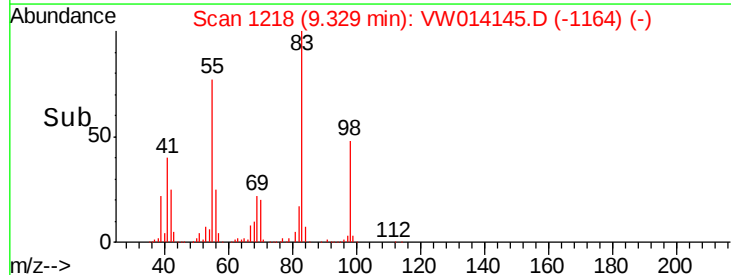
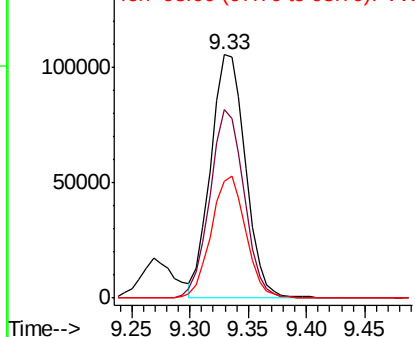


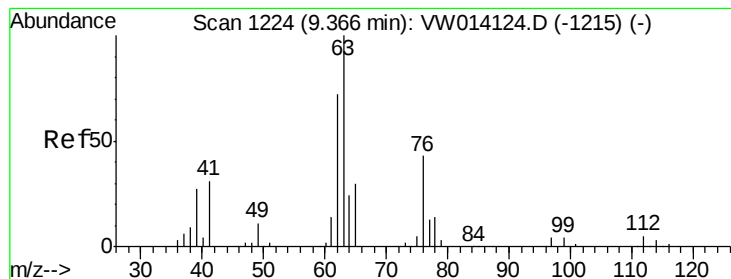
#36
 Methylcyclohexane
 Concen: 23.226 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Tgt Ion:	83	Resp:	218037
Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.8	89.8
98	49.8	39.5	59.3



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: 26.050 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

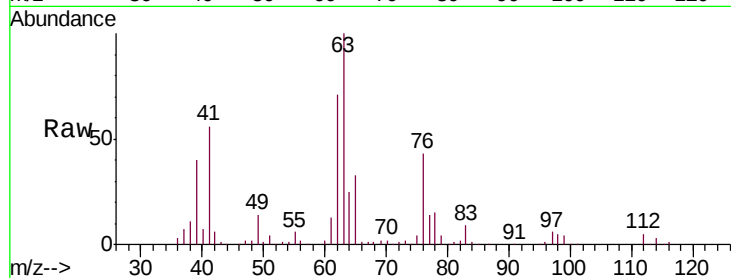
VSTD02522

Tgt Ion: 63 Resp: 123082

Ion Ratio Lower Upper

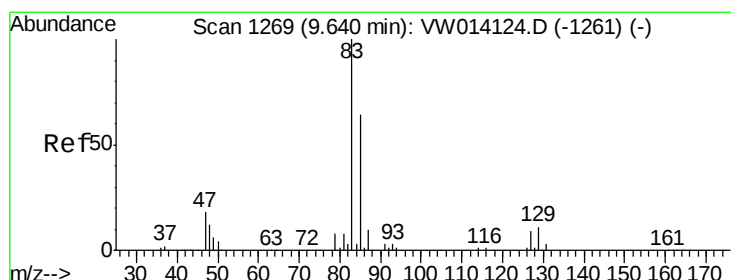
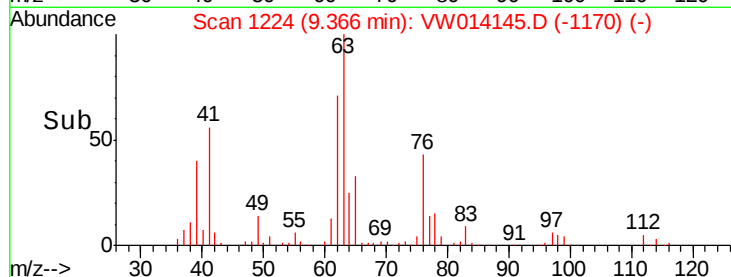
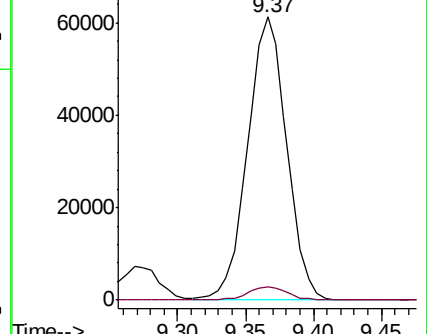
63 100

112 4.7 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.806 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

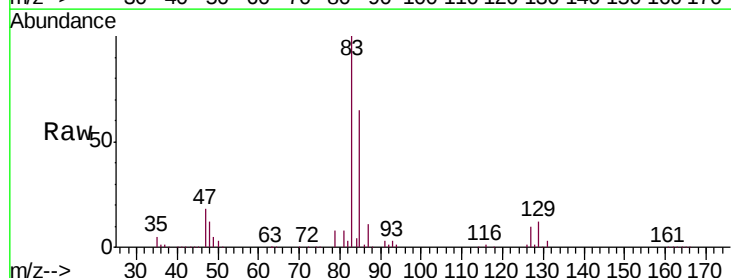
Tgt Ion: 83 Resp: 153117

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

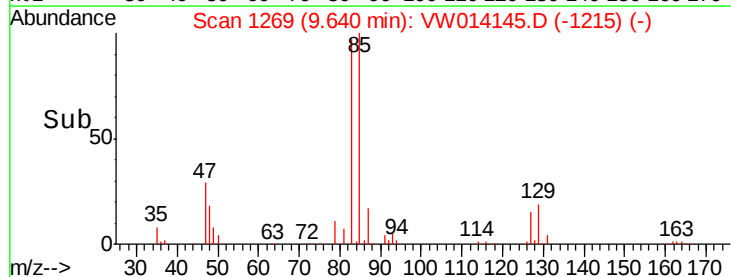
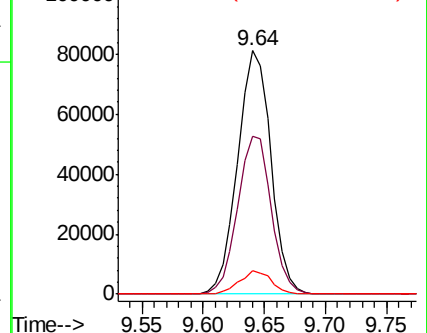
127 9.9 7.4 11.0

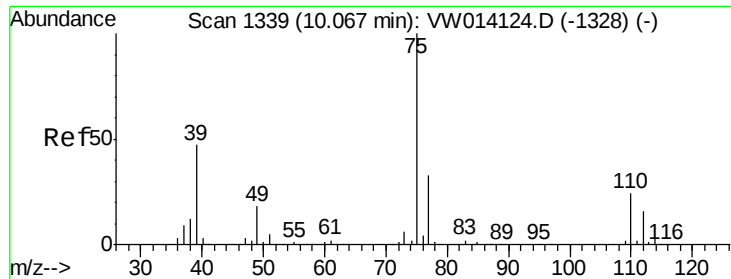


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.705 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampled :

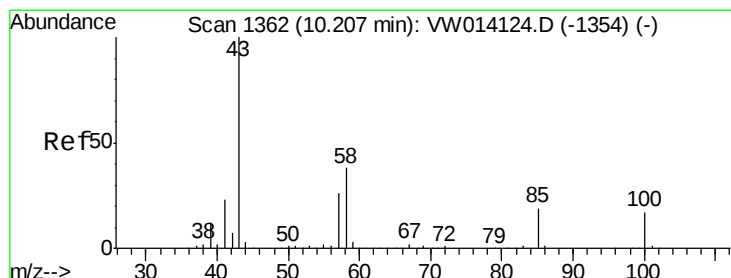
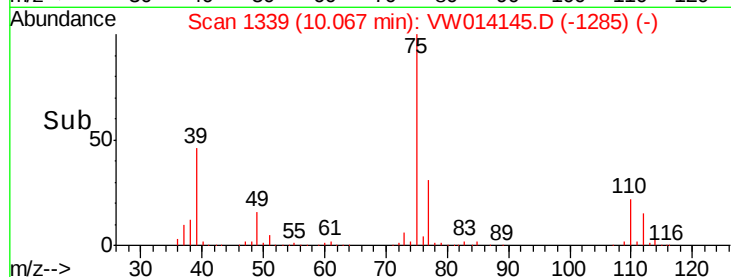
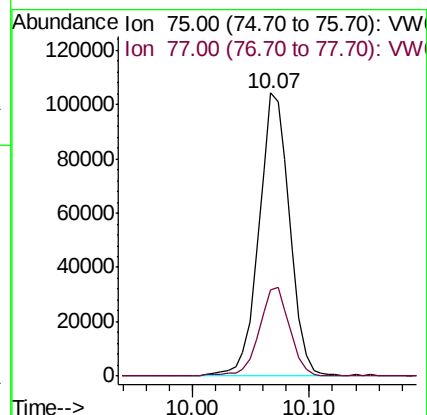
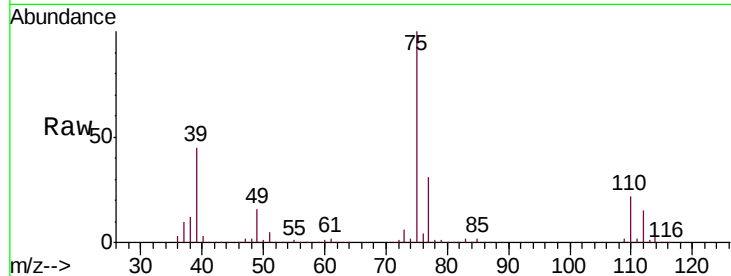
VSTD02522

Tgt Ion: 75 Resp: 191668

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 56.979 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

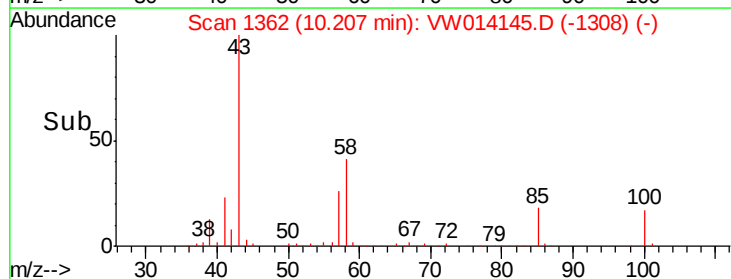
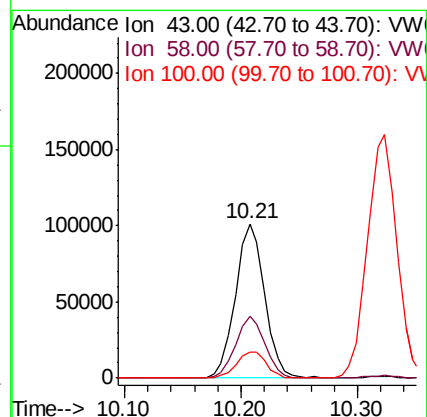
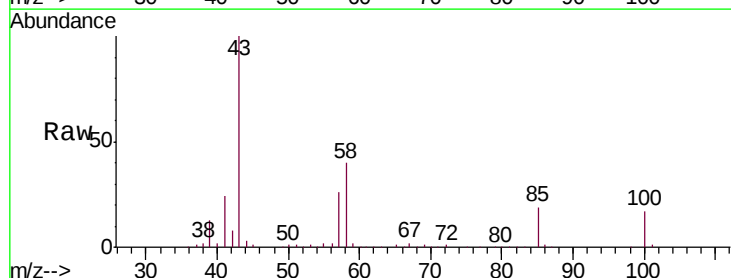
Tgt Ion: 43 Resp: 177755

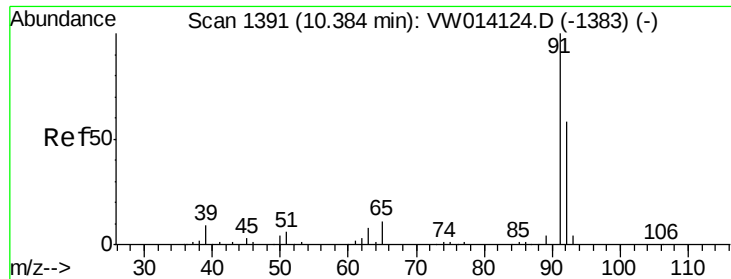
Ion Ratio Lower Upper

43 100

58 39.9 32.6 49.0

100 17.5 13.8 20.8





#44

Toluene

Concen: 25.467 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

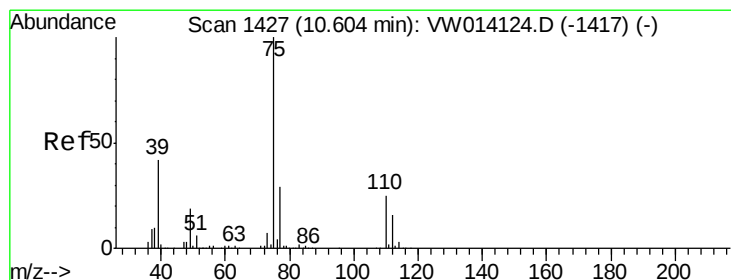
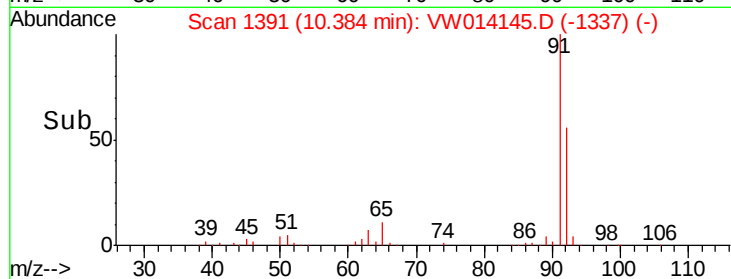
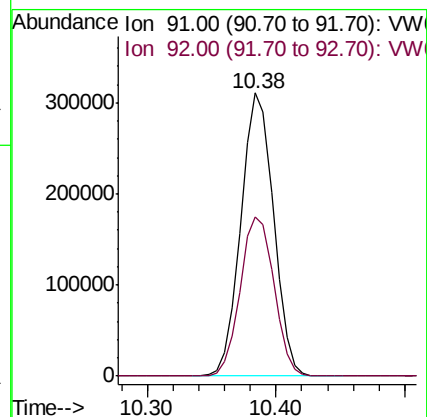
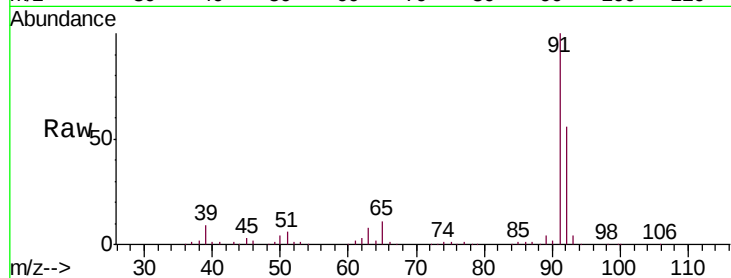
VSTD02522

Tgt Ion: 91 Resp: 544976

Ion Ratio Lower Upper

91 100

92 56.4 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.309 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014145.D

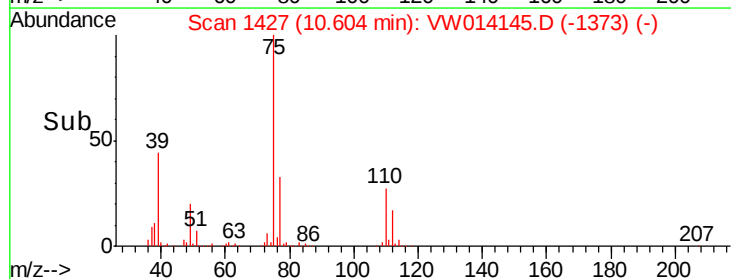
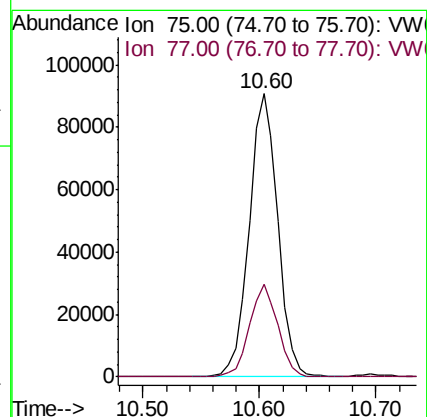
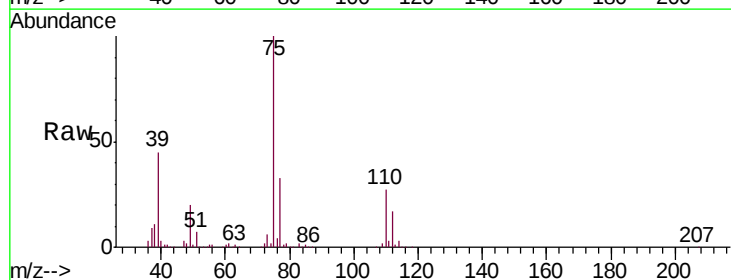
Acq: 26 Nov 2019 19:48

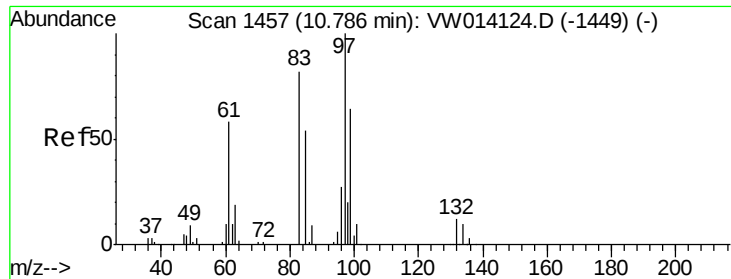
Tgt Ion: 75 Resp: 155127

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 27.343 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tgt Ion: 97 Resp: 94927

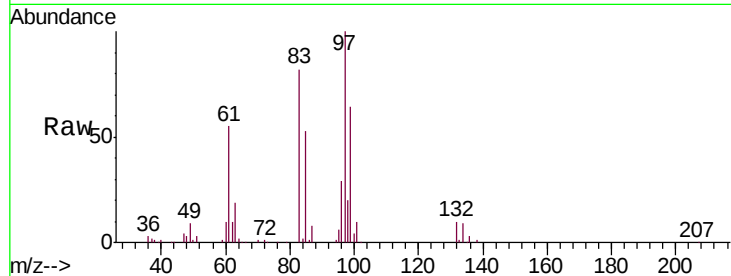
Ion Ratio Lower Upper

97 100

83 82.2 58.9 109.5

85 53.4 38.1 70.9

99 63.6 46.5 86.3



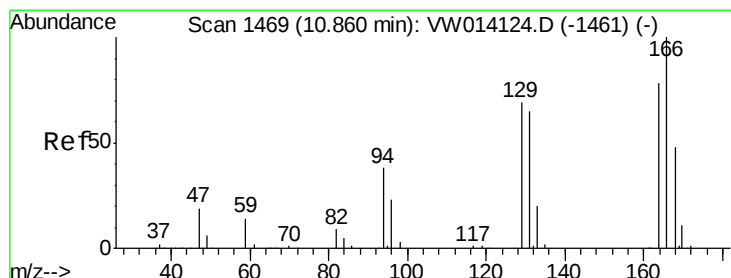
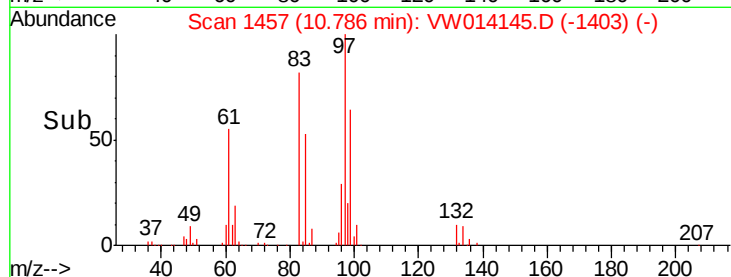
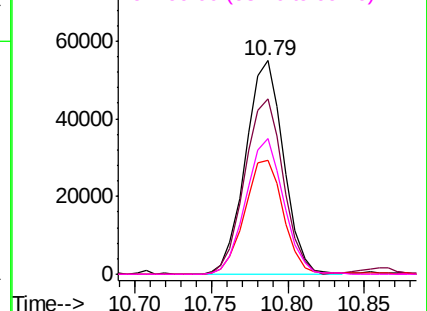
Abundance

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: 24.802 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Tgt Ion: 164 Resp: 115743

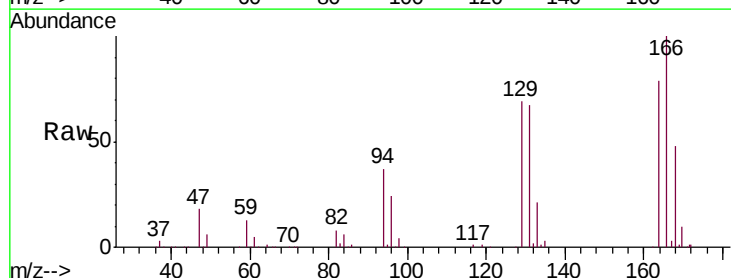
Ion Ratio Lower Upper

164 100

129 87.4 60.6 112.6

131 85.3 59.1 109.7

166 126.6 90.8 168.6



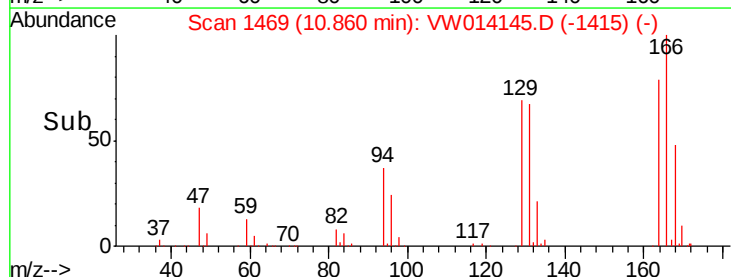
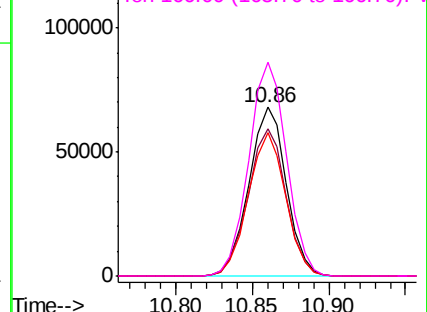
Abundance

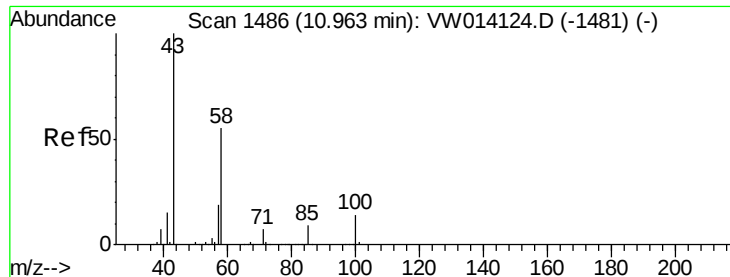
Ion 164.00 (163.70 to 164.70): V

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

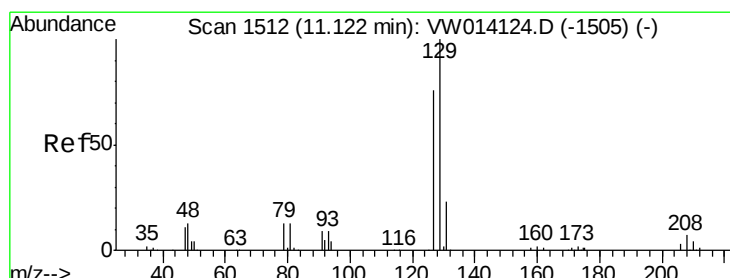
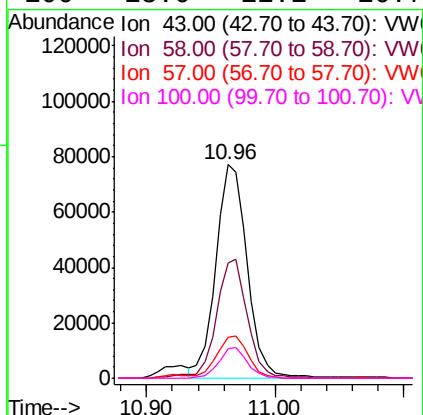
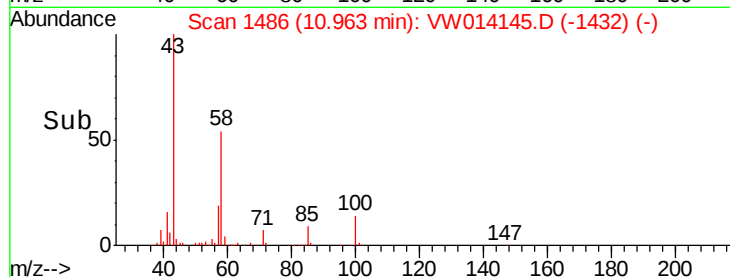
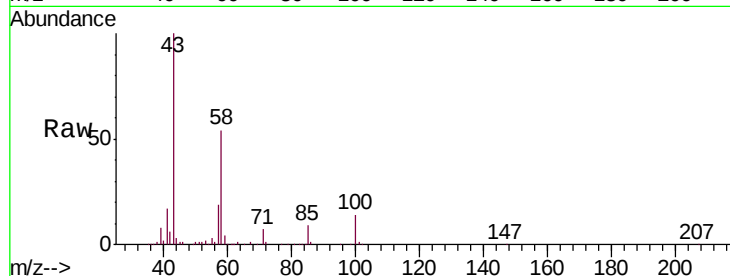




#49
2-Hexanone
Concen: 58.908 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014145.D
Acq: 26 Nov 2019 19:48

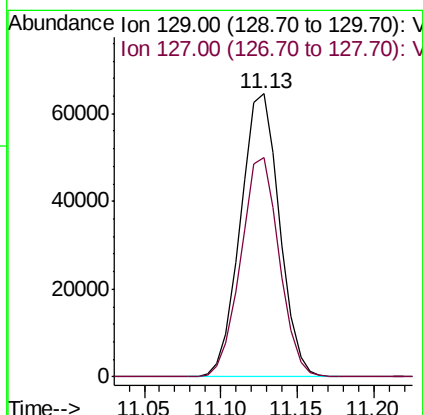
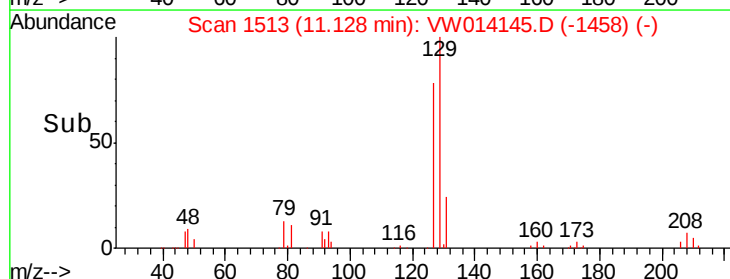
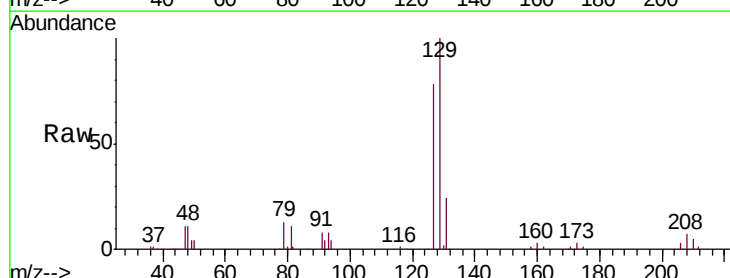
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

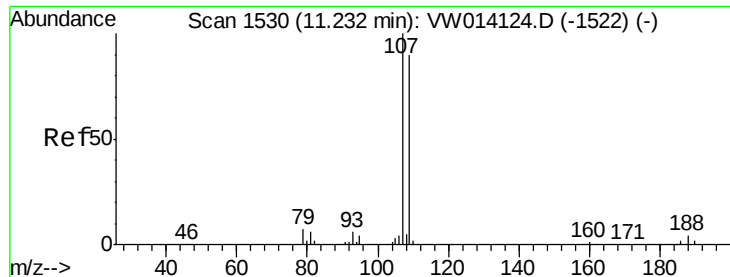
Tgt Ion: 43 Resp: 132490
Ion Ratio Lower Upper
43 100
58 53.3 44.4 66.6
57 19.4 16.5 24.7
100 13.0 11.1 16.7



#50
Dibromochloromethane
Concen: 28.051 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW014145.D
Acq: 26 Nov 2019 19:48

Tgt Ion: 129 Resp: 114465
Ion Ratio Lower Upper
129 100
127 77.5 54.9 102.1





#51

1,2-Dibromoethane

Concen: 27.049 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

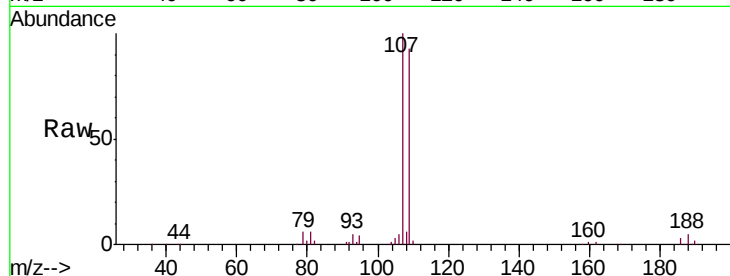
Tgt Ion:107 Resp: 91112

Ion Ratio Lower Upper

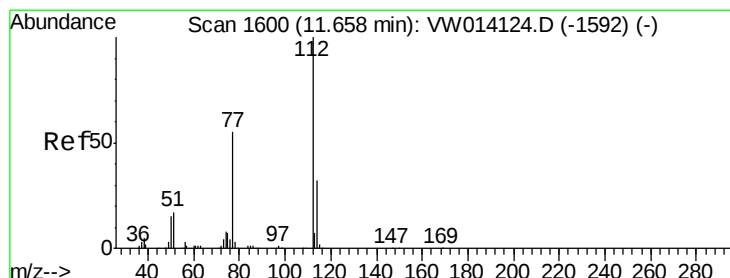
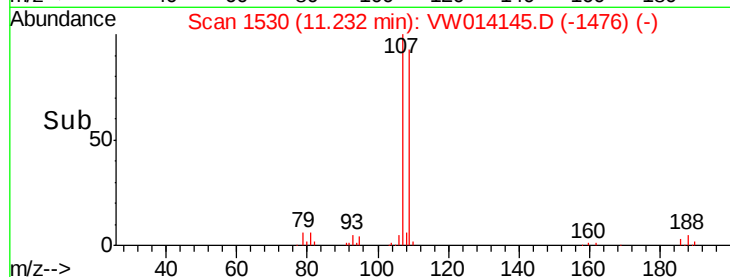
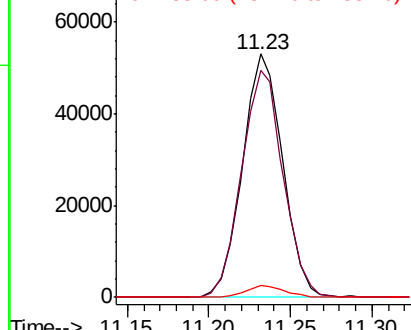
107 100

109 93.3 64.6 120.0

188 4.7 3.9 5.9



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: 25.473 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

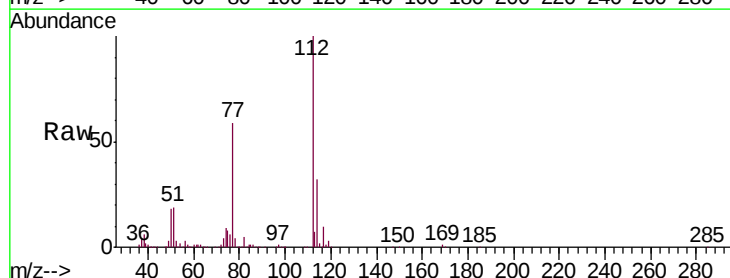
Tgt Ion:112 Resp: 341733

Ion Ratio Lower Upper

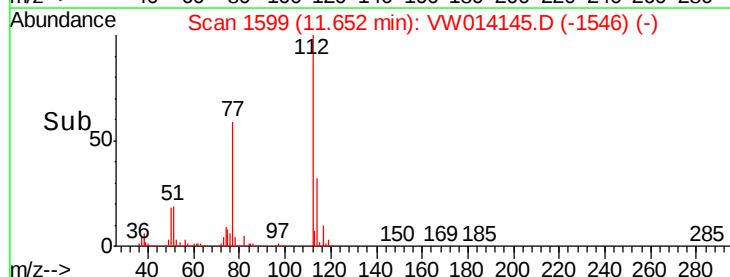
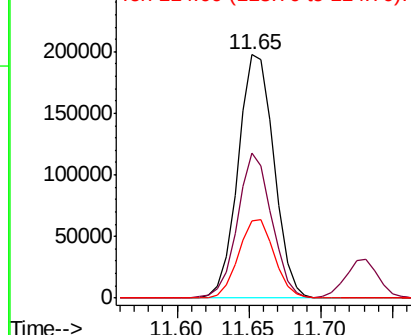
112 100

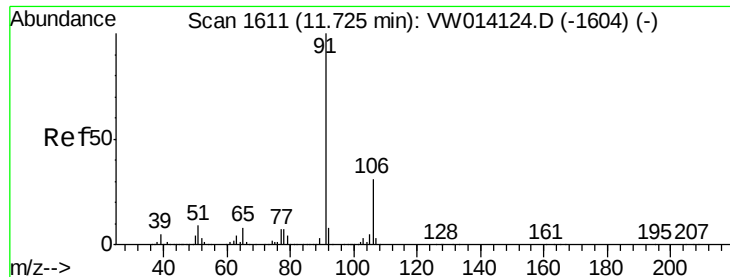
77 59.4 42.2 63.4

114 31.8 22.5 41.9



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

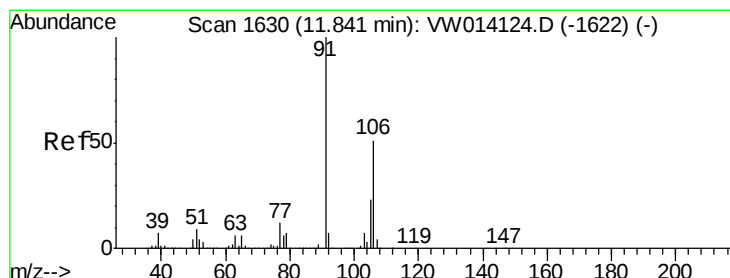
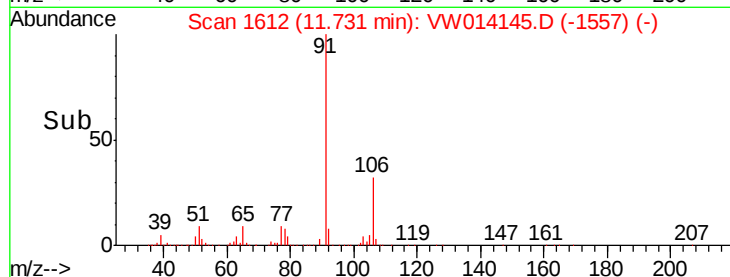
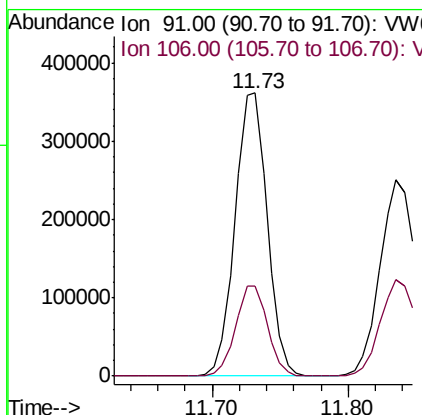
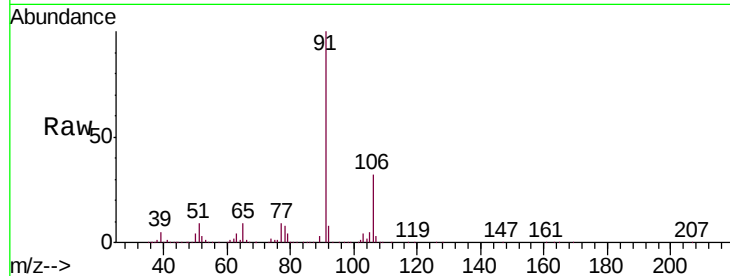




#53
Ethylbenzene
Concen: 25.370 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014145.D
Acq: 26 Nov 2019 19:48

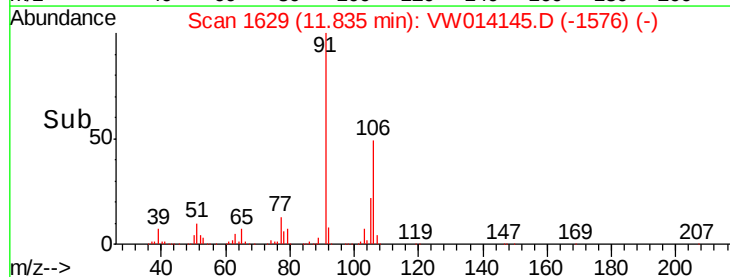
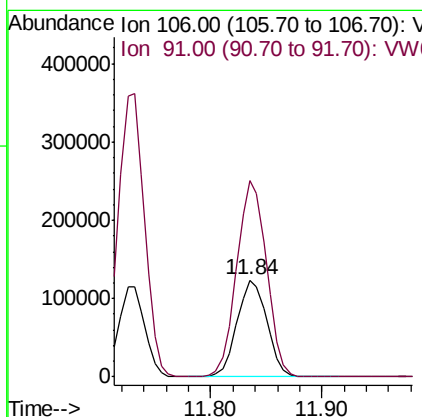
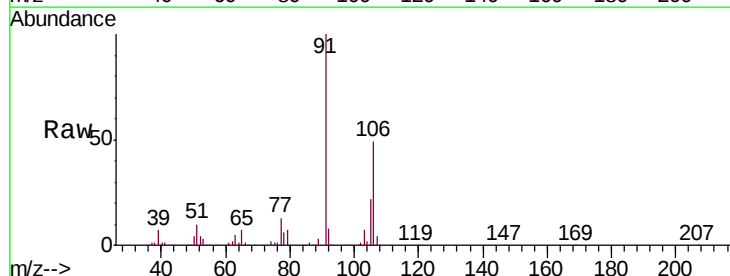
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

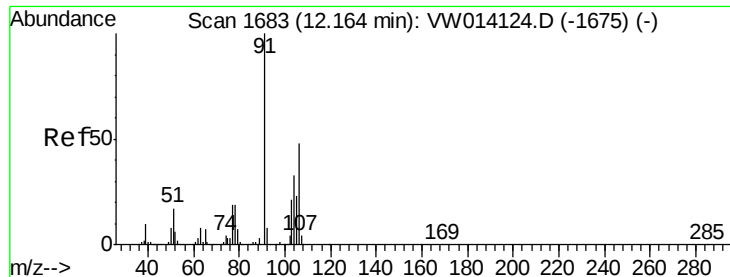
Tgt Ion: 91 Resp: 595768
Ion Ratio Lower Upper
91 100
106 32.0 22.3 41.5



#54
m,p-Xylene
Concen: 25.197 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014145.D
Acq: 26 Nov 2019 19:48

Tgt Ion: 106 Resp: 229945
Ion Ratio Lower Upper
106 100
91 202.7 138.7 257.5





#55

o-xylene

Concen: 25.717 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

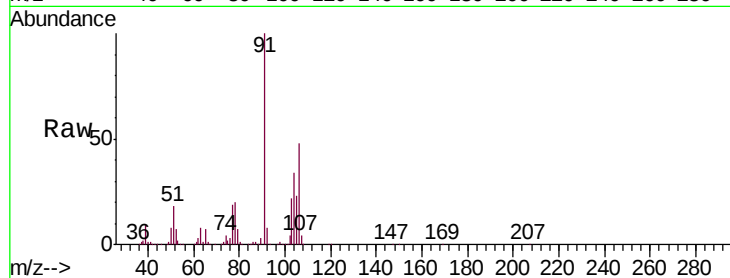
VSTD02522

Tgt Ion:106 Resp: 219773

Ion Ratio Lower Upper

106 100

91 210.2 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

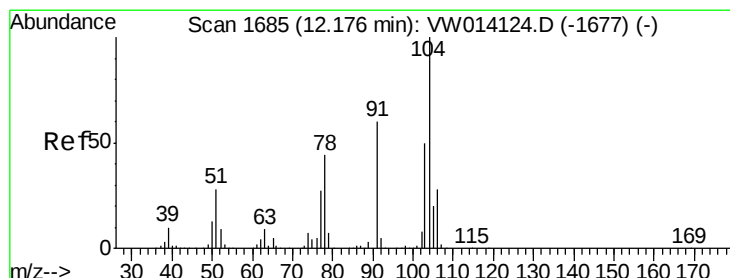
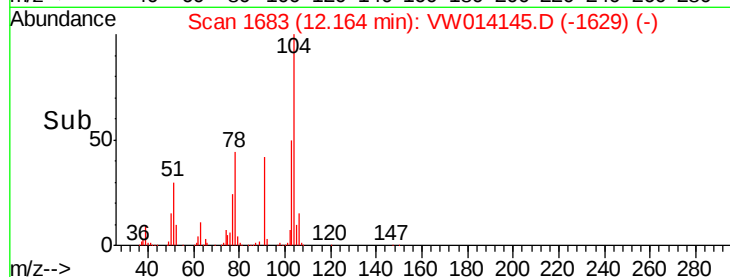
200000

100000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 26.553 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014145.D

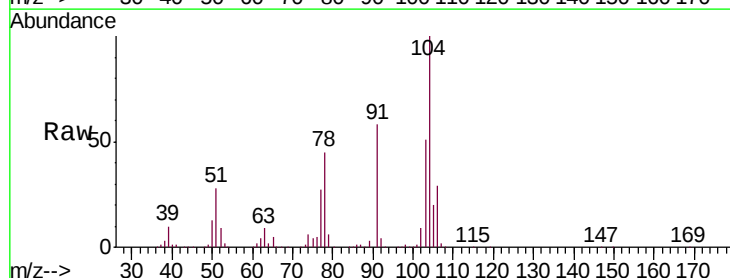
Acq: 26 Nov 2019 19:48

Tgt Ion:104 Resp: 383337

Ion Ratio Lower Upper

104 100

78 44.6 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

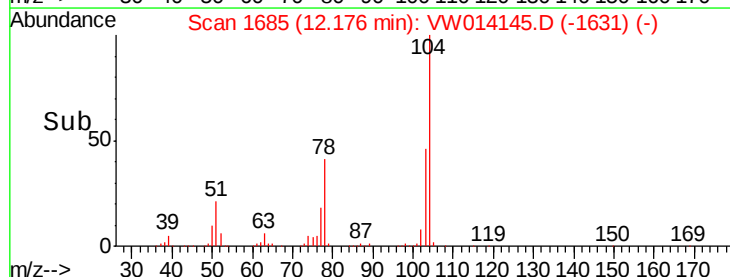
100000

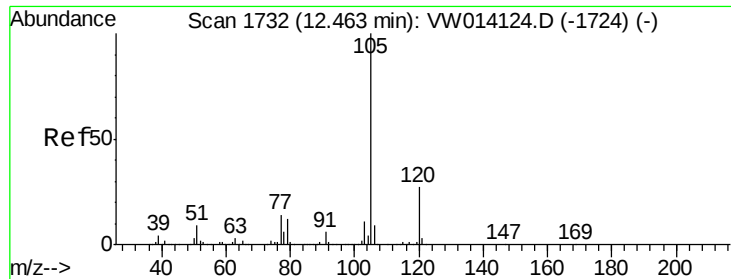
50000

0

12.10 12.15 12.20 12.25

Time-->





#57

Isopropylbenzene

Concen: 25.691 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

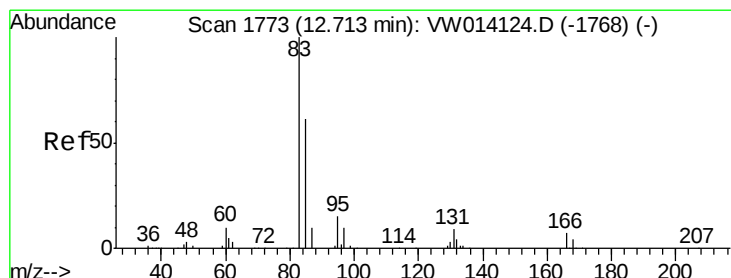
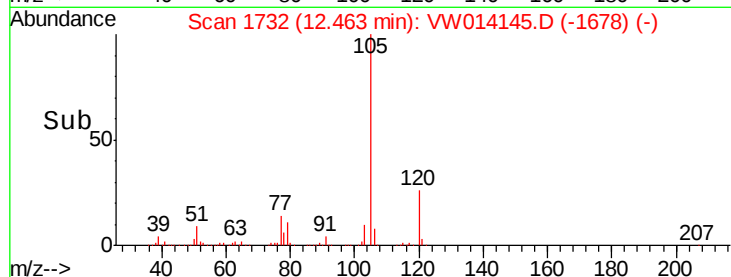
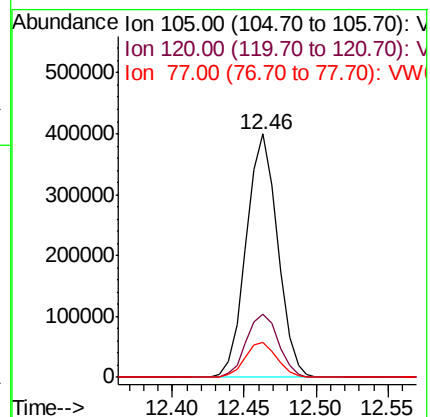
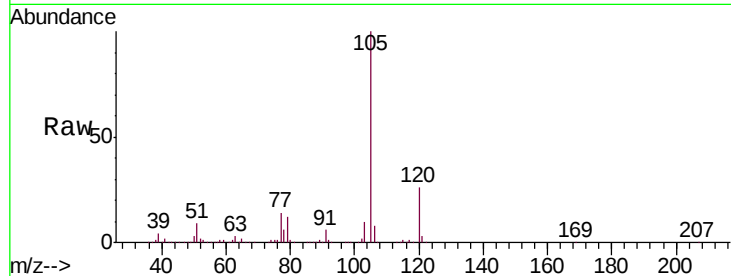
Tgt Ion: 105 Resp: 603653

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

77 14.6 11.6 17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 29.512 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

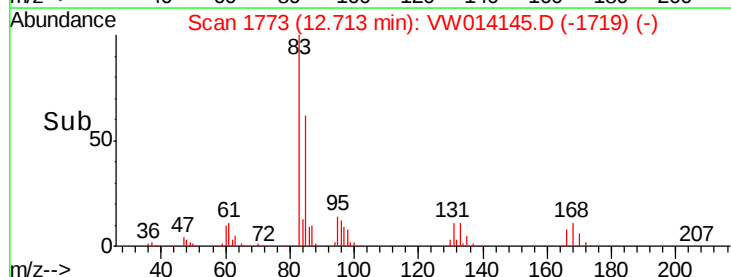
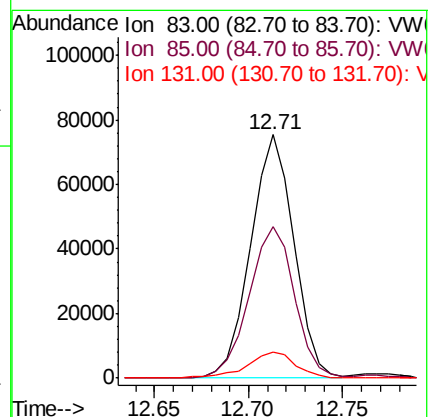
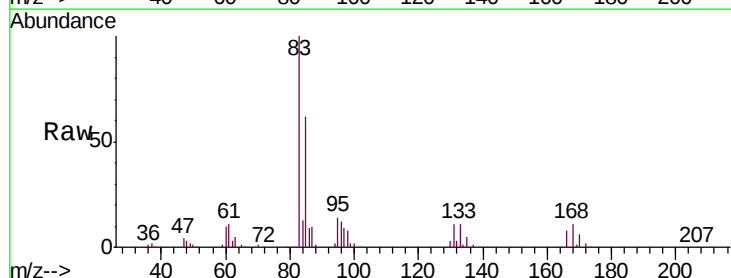
Tgt Ion: 83 Resp: 119618

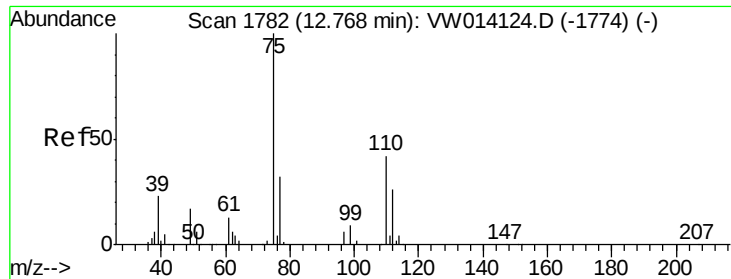
Ion Ratio Lower Upper

83 100

85 62.3 43.7 81.1

131 10.6 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 29.347 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

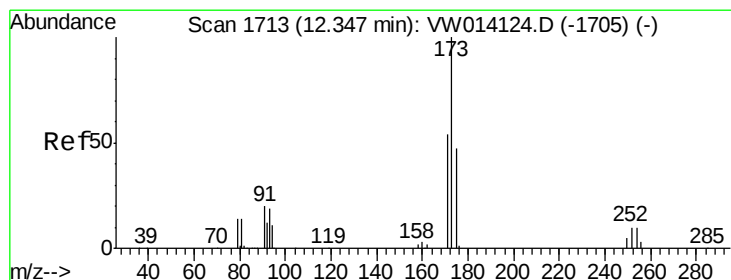
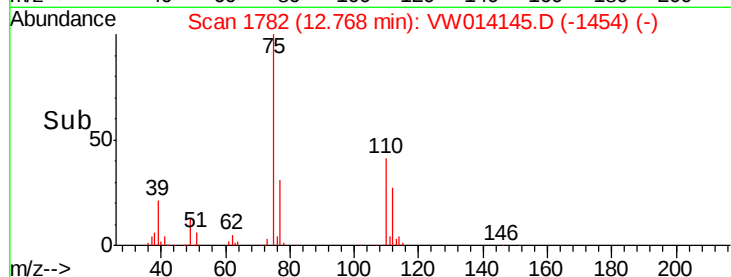
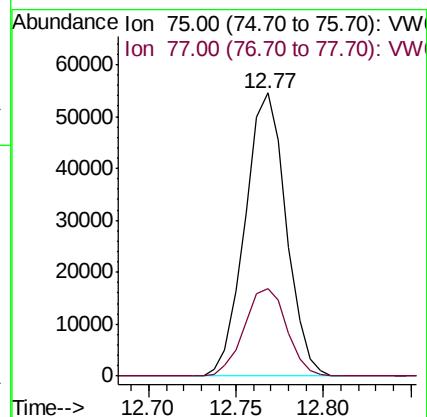
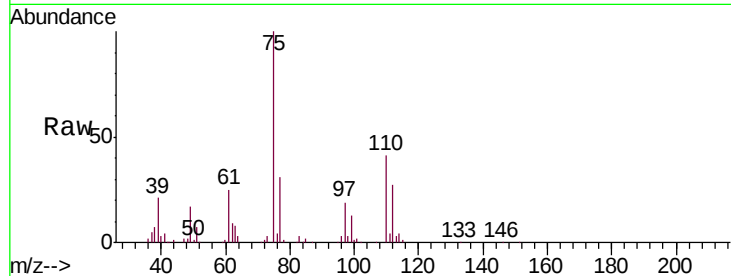
VSTD02522

Tgt Ion: 75 Resp: 89461

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 26.698 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

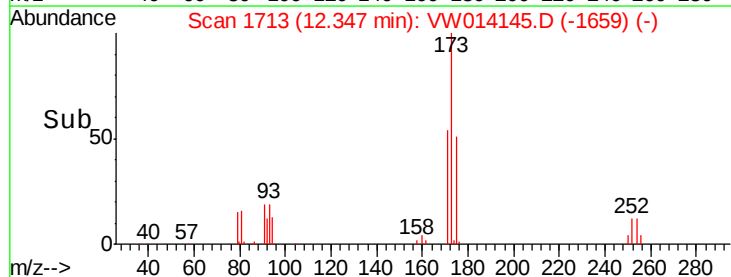
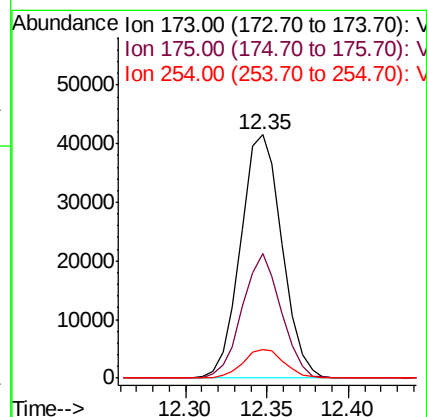
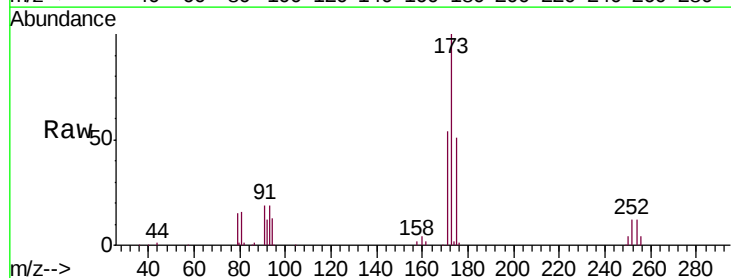
Tgt Ion: 173 Resp: 73291

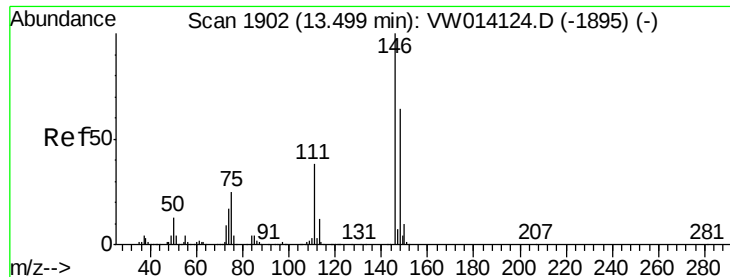
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 11.7 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 23.976 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

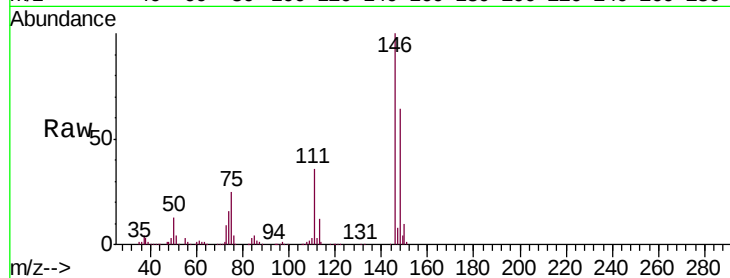
Tgt Ion:146 Resp: 282001

Ion Ratio Lower Upper

146 100

111 36.4 26.0 48.2

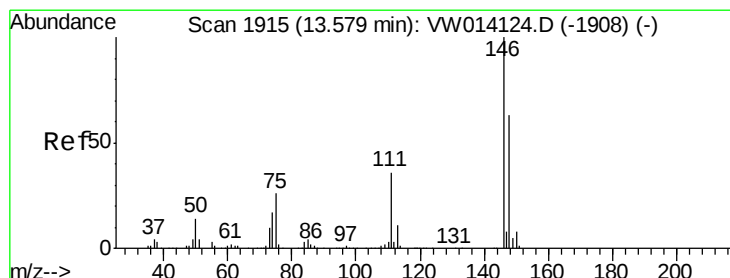
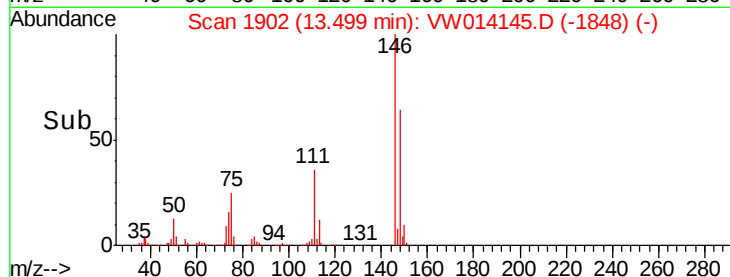
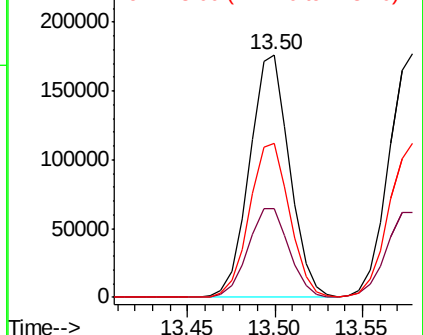
148 63.7 44.7 82.9



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



#64

1,4-Dichlorobenzene

Concen: 24.261 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

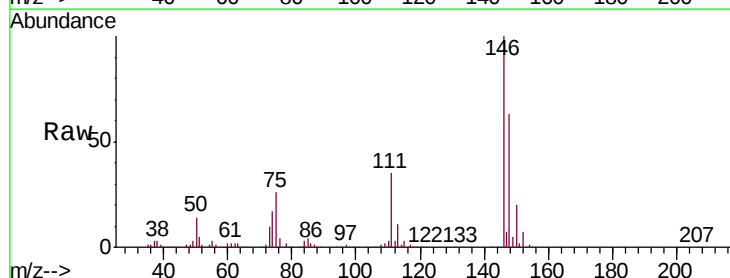
Tgt Ion:146 Resp: 281941

Ion Ratio Lower Upper

146 100

111 34.7 24.9 46.3

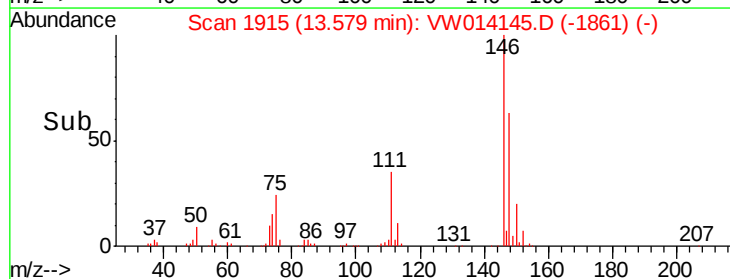
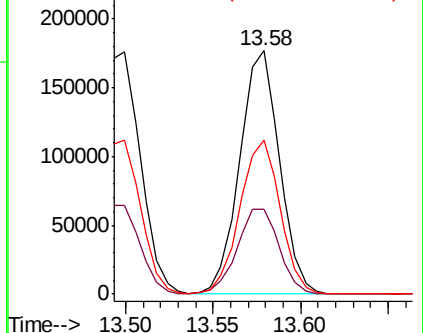
148 63.4 43.9 81.5

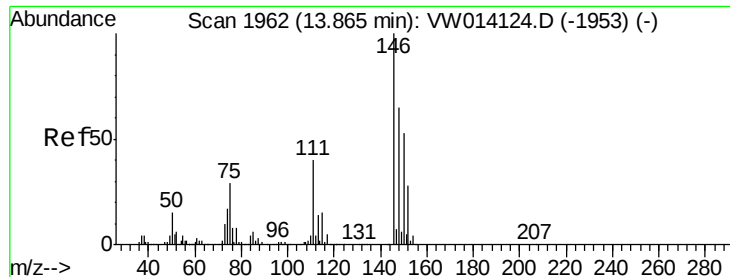


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

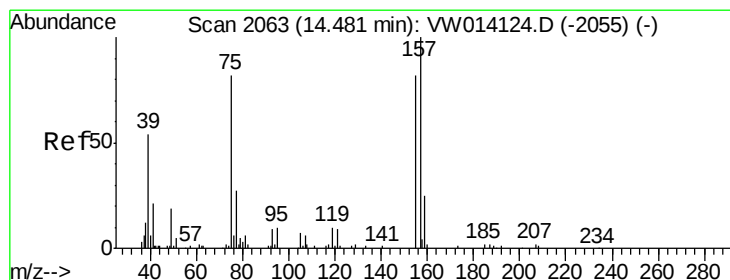
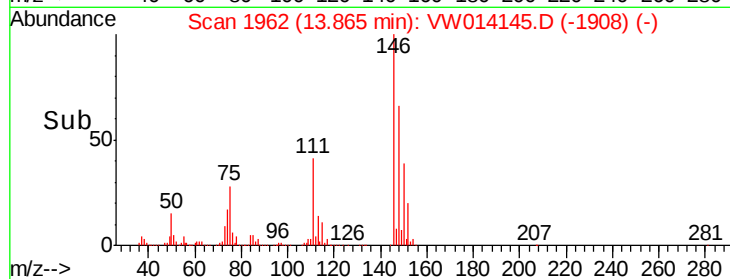
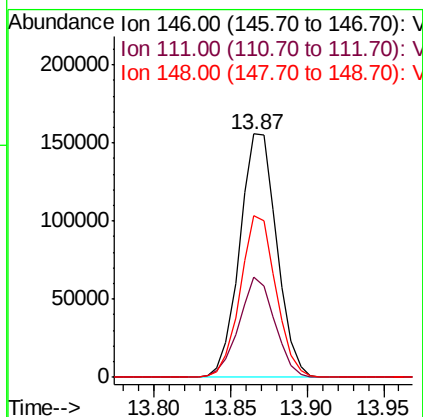
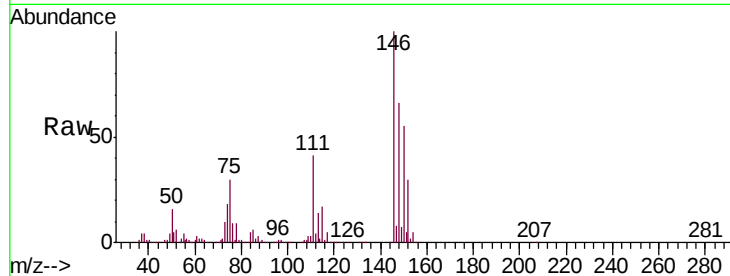




#65
 1,2-Dichlorobenzene
 Concen: 25.184 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

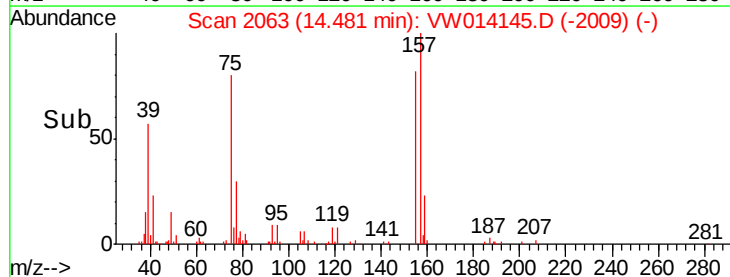
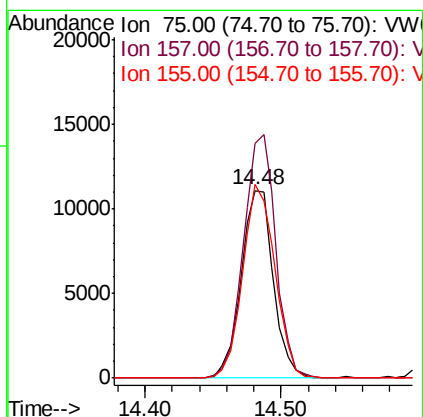
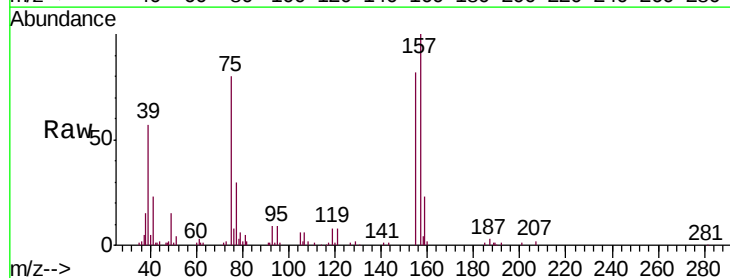
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

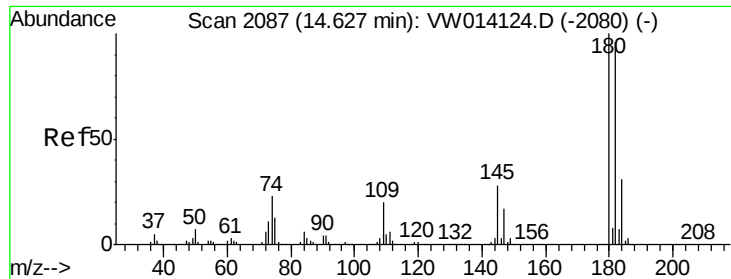
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	30.5	45.7
148	66.3	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.830 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
157	125.3	96.9	145.3
155	103.3	82.9	124.3

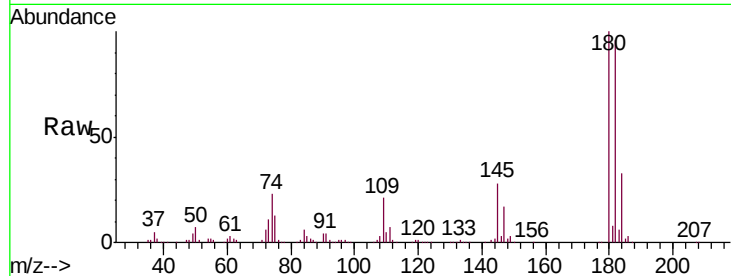




#67
 1,3,5-Trichlorobenzene
 Concen: 24.725 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.2
184	30.7	24.3	36.5
145	27.2	21.9	32.9



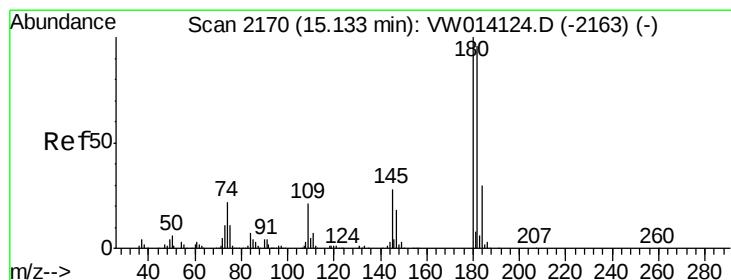
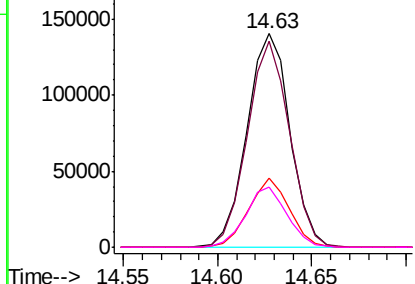
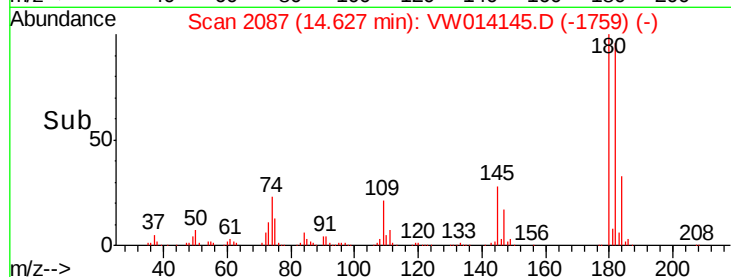
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

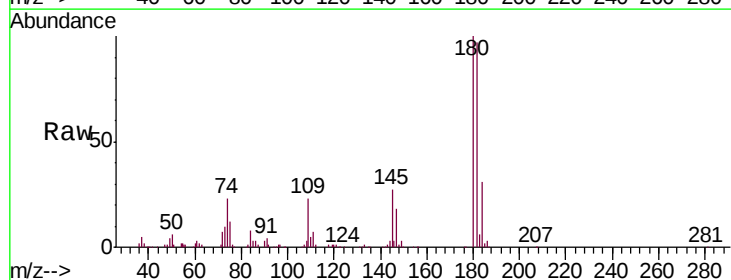
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.643 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014145.D
 Acq: 26 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.8	113.8
145	27.5	22.4	33.6

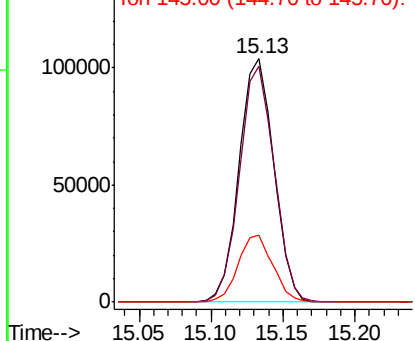
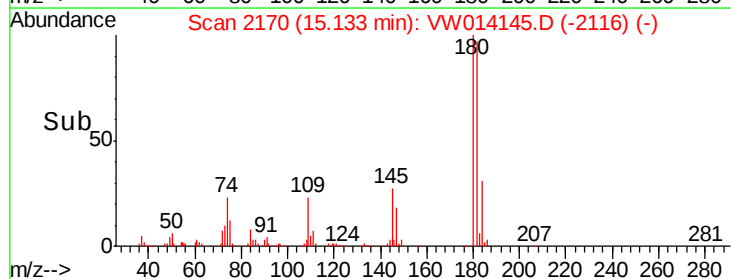


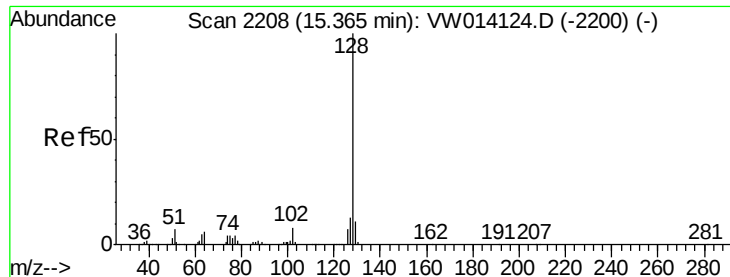
Abundance

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: 25.954 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

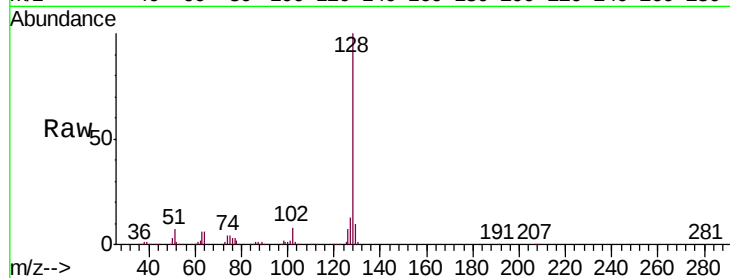
Tgt Ion:128 Resp: 324990

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

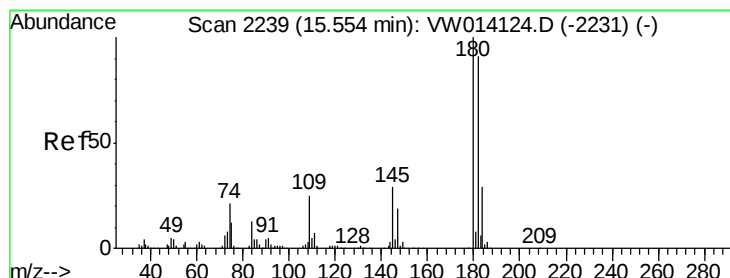
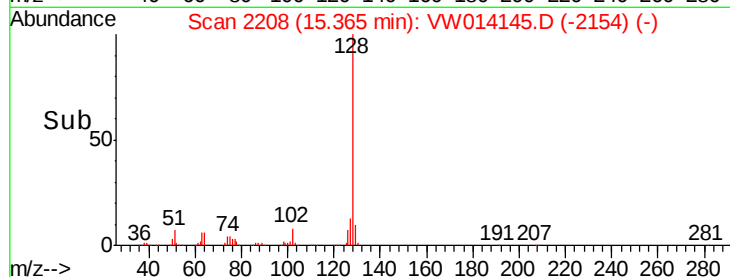
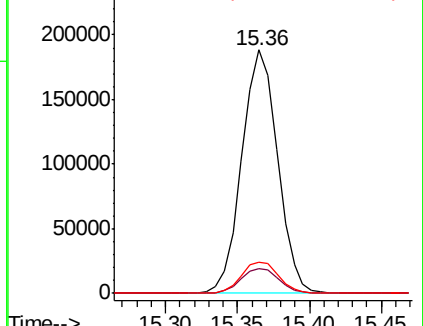
127 13.5 10.4 15.6



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: 26.641 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014145.D

Acq: 26 Nov 2019 19:48

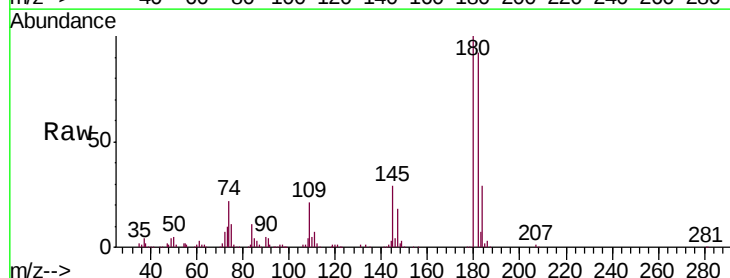
Tgt Ion:180 Resp: 165711

Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

145 29.5 24.0 36.0



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

