

Data File : VW011434.D
Acq On : 23 Jul 2019 09:38
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Quant Time: Jul 24 01:18:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 23 04:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	451939	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	400362	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193044	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	147872	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
7) Chloroethane-d5	2.89	69	108539	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.76%
10) 1,1-Dichloroethene-d2	4.02	63	336057	24.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.36%
20) 2-Butanone-d5	7.08	46	121825	47.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.84%
24) Chloroform-d	7.65	84	289066	24.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.92%
26) 1,2-Dichloroethane-d4	8.31	65	169821	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.72%
29) Benzene-d6	8.27	84	584623	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	191009	24.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.48%
37) Toluene-d8	10.32	98	522673	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.44%
38) trans-1,3-Dichloropropene-	10.58	79	82989	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.04%
39) 2-Hexanone-d5	10.92	63	82190	48.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152033	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	173583	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	145462	26.385	ug/L 95
3) Chloromethane	2.21	50	156389	23.380	ug/L 99
5) Vinyl chloride	2.36	62	199835	25.367	ug/L 98
6) Bromomethane	2.78	94	92392	24.293	ug/L 99
8) Chloroethane	2.92	64	103769	24.737	ug/L 97
9) Trichlorofluoromethane	3.26	101	95237	25.418	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	153073	25.456	ug/L 99
12) 1,1-Dichloroethene	4.04	96	150527	25.076	ug/L 87
13) Acetone	4.12	43	140149	51.561	ug/L 99
14) Carbon disulfide	4.39	76	492397	25.299	ug/L 100
15) Methyl Acetate	4.67	43	101635	24.352	ug/L 98
16) Methylene chloride	4.92	84	160482	24.394	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	233556	24.610	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	151712	24.508	ug/L 97
19) 1,1-Dichloroethane	6.21	63	301230	24.499	ug/L 100
21) 2-Butanone	7.17	43	171323	49.046	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	159876	24.380	ug/L 98

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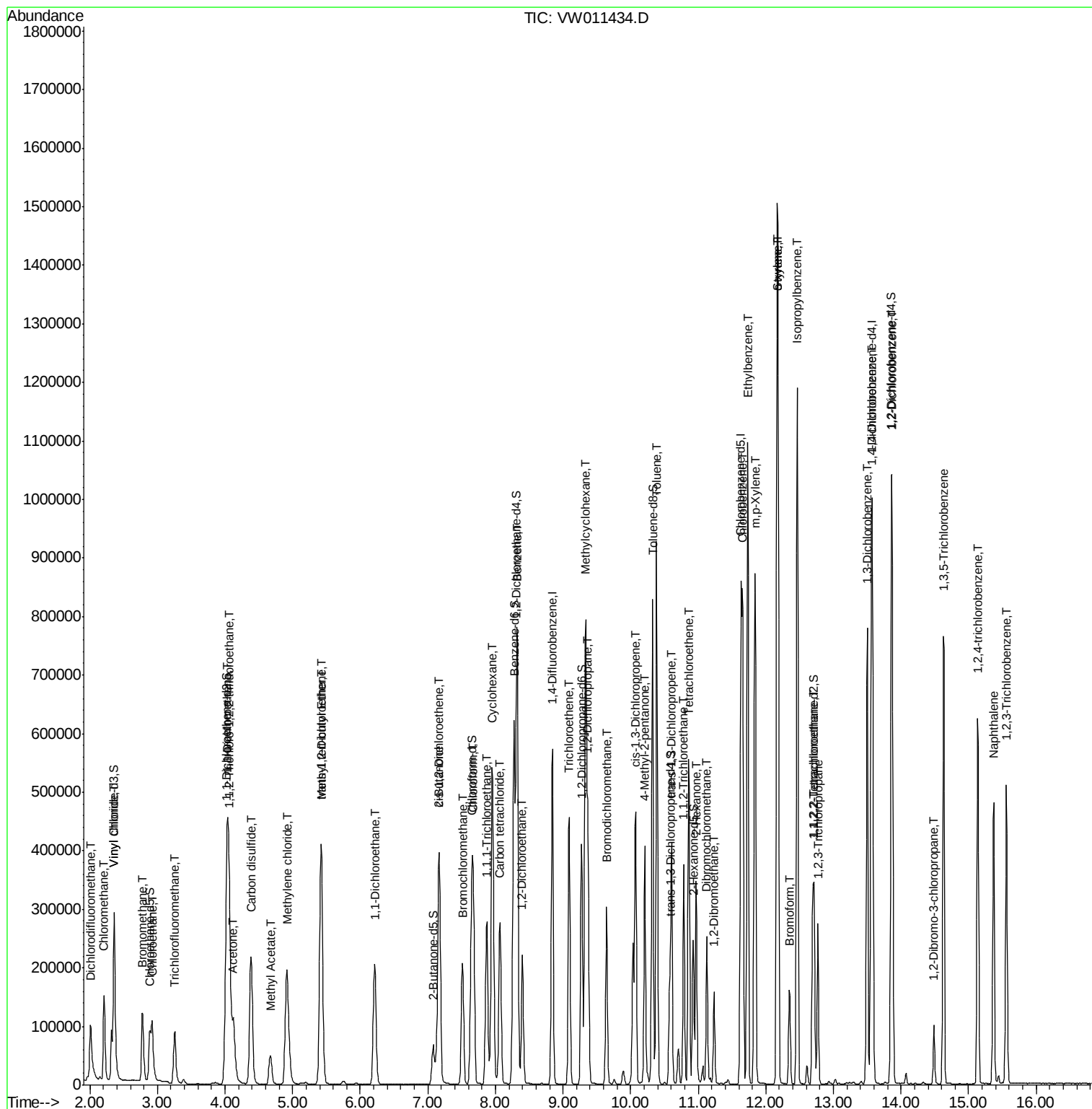
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65986	24.076	ug/L	99
25) Chloroform	7.67	83	276610	24.421	ug/L	100
27) 1,2-Dichloroethane	8.40	62	199690	24.189	ug/L	100
30) Cyclohexane	7.95	56	324328	24.870	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	220499	24.741	ug/L	100
32) Carbon tetrachloride	8.07	117	205710	24.838	ug/L	99
34) Benzene	8.32	78	636886	24.506	ug/L	100
35) Trichloroethene	9.09	95	160444	24.290	ug/L	98
36) Methylcyclohexane	9.34	83	295447	24.597	ug/L	98
40) 1,2-Dichloropropane	9.37	63	168931	24.194	ug/L	100
41) Bromodichloromethane	9.64	83	199495	24.436	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	257370	24.535	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	288628	48.285	ug/L	99
44) Toluene	10.39	91	659473	24.739	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	208878	24.229	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	111232	23.799	ug/L	99
47) Tetrachloroethene	10.86	164	122666	24.205	ug/L	99
49) 2-Hexanone	10.97	43	235952	52.294	ug/L	99
50) Dibromochloromethane	11.13	129	126609	24.472	ug/L	99
51) 1,2-Dibromoethane	11.24	107	108559	24.017	ug/L	99
52) Chlorobenzene	11.66	112	387761	24.121	ug/L	99
53) Ethylbenzene	11.73	91	733213	24.439	ug/L	100
54) m,p-Xylene	11.84	106	268418	24.429	ug/L	99
55) o-xylene	12.16	106	253391	24.468	ug/L	96
56) Styrene	12.18	104	436534	25.058	ug/L	100
57) Isopropylbenzene	12.46	105	700547	24.835	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	144962	23.877	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	110636	23.851	ug/L	99
62) Bromoform	12.35	173	72964	23.880	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	297042	24.299	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	296476	23.878	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	267736	23.803	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24799	23.131	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	227609	24.408	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	190907	24.702	ug/L	99
69) Naphthalene	15.37	128	391775	24.903	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	171394	24.480	ug/L	99

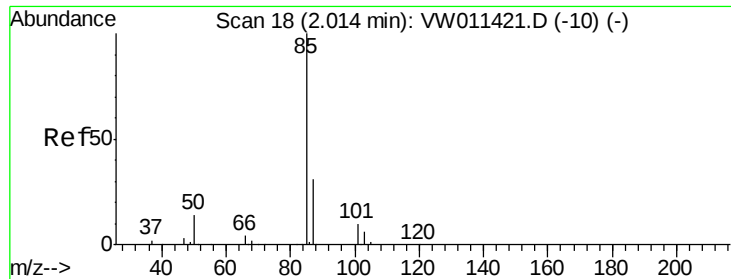
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.385 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

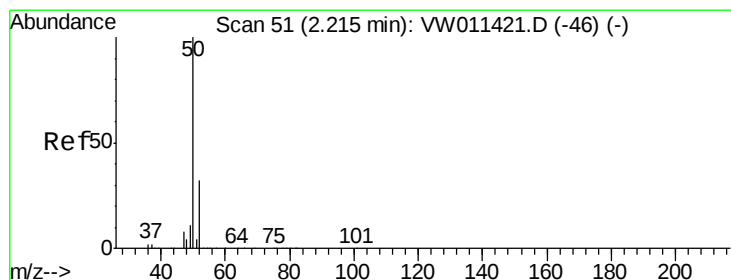
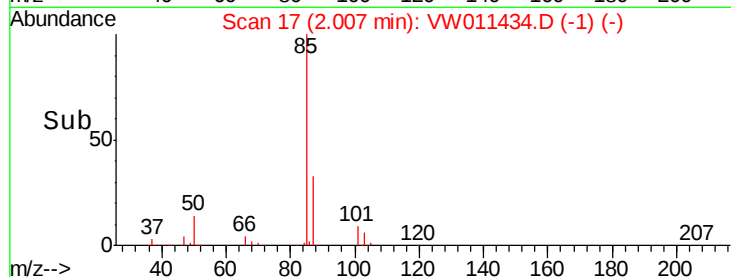
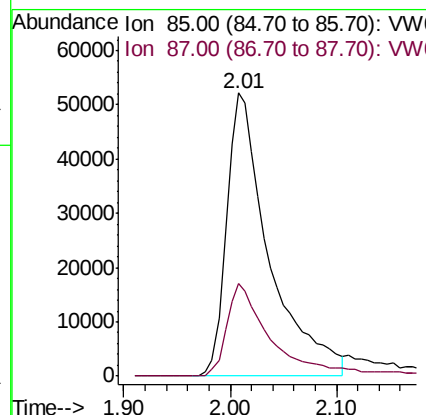
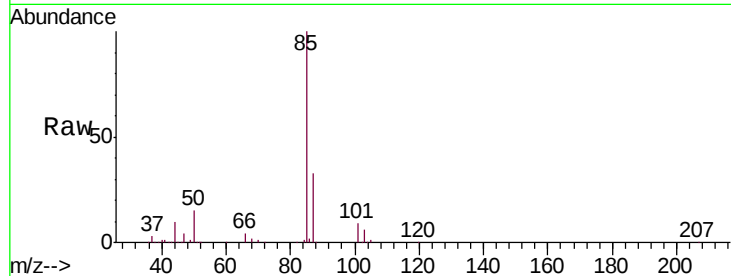
VSTD02517

Tgt Ion: 85 Resp: 145462

Ion Ratio Lower Upper

85 100

87 32.1 20.6 38.2



#3

Chloromethane

Concen: 23.380 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011434.D

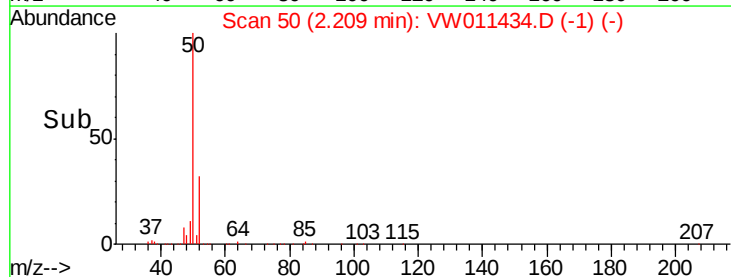
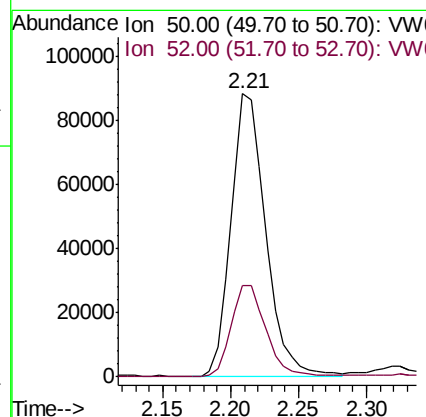
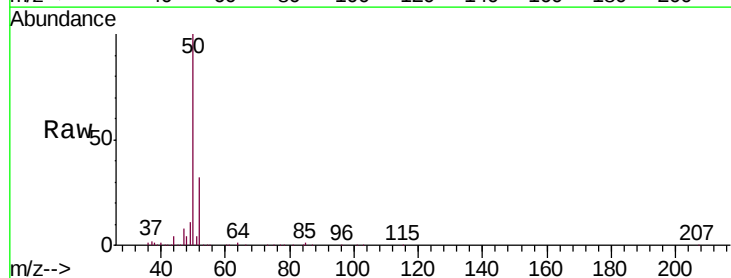
Acq: 23 Jul 2019 09:38

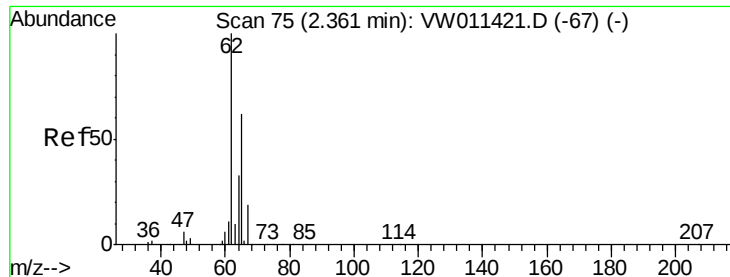
Tgt Ion: 50 Resp: 156389

Ion Ratio Lower Upper

50 100

52 32.3 22.0 41.0





#5

Vinyl chloride

Concen: 25.367 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

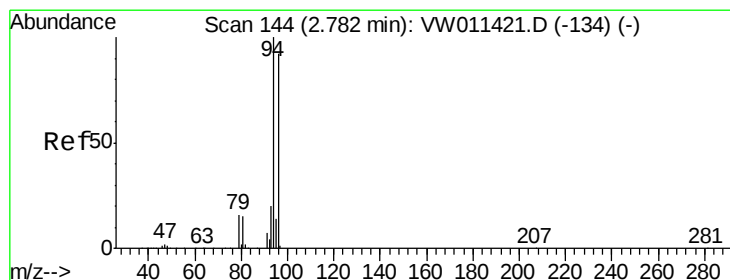
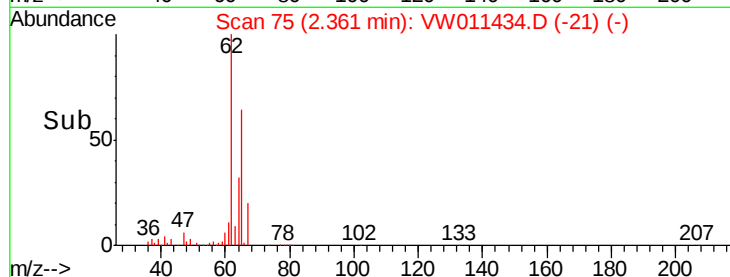
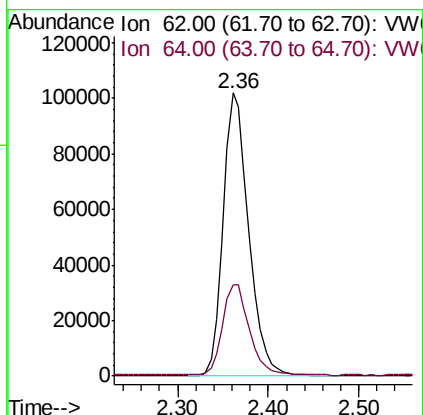
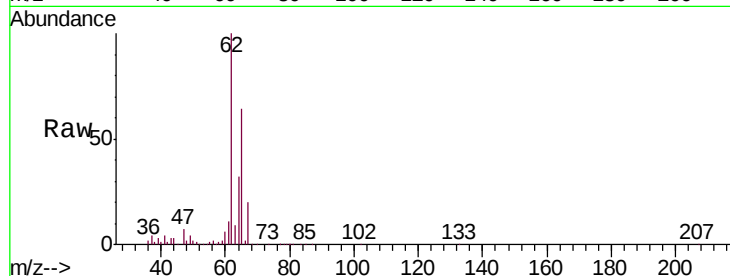
VSTD02517

Tgt Ion: 62 Resp: 199835

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



#6

Bromomethane

Concen: 24.293 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW011434.D

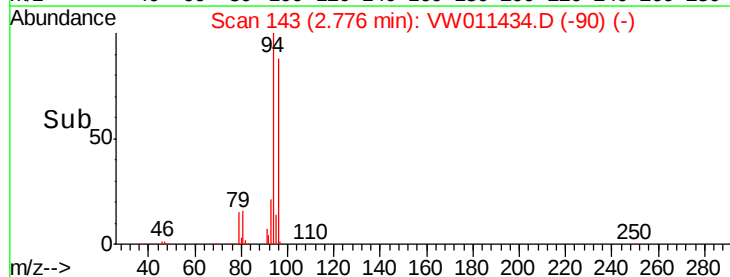
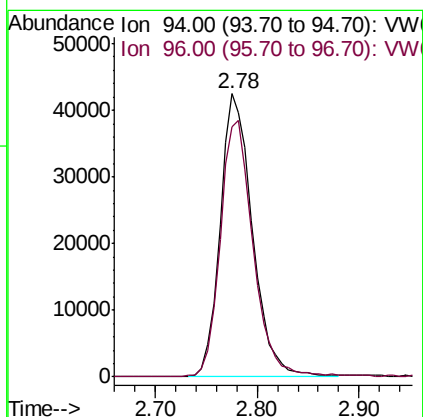
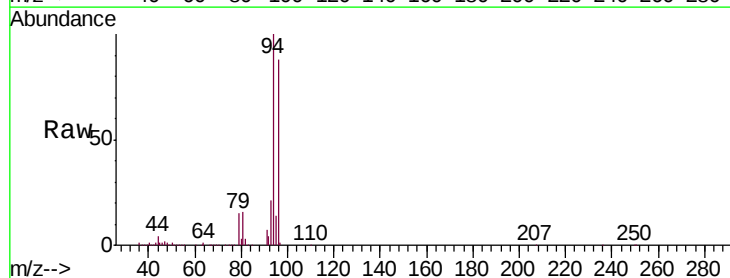
Acq: 23 Jul 2019 09:38

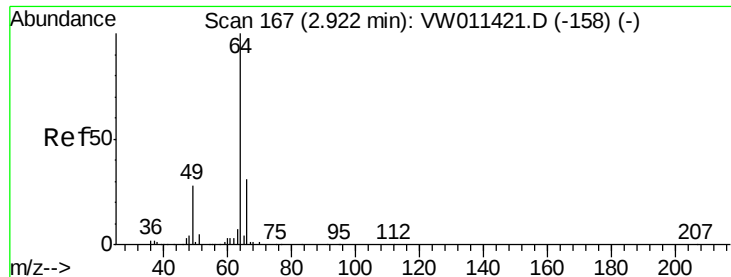
Tgt Ion: 94 Resp: 92392

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.8

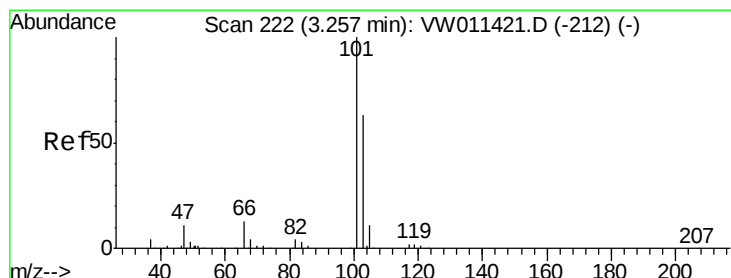
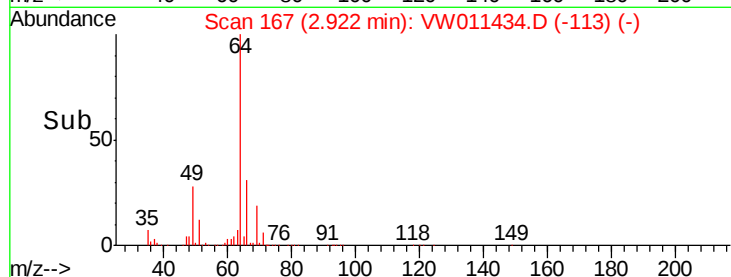
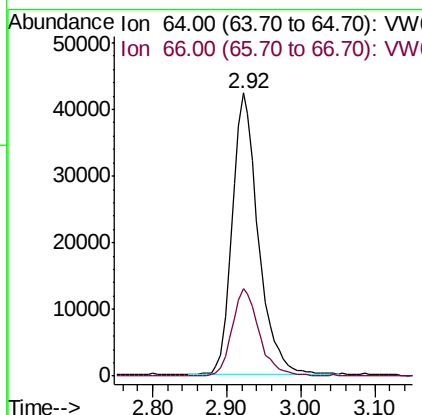
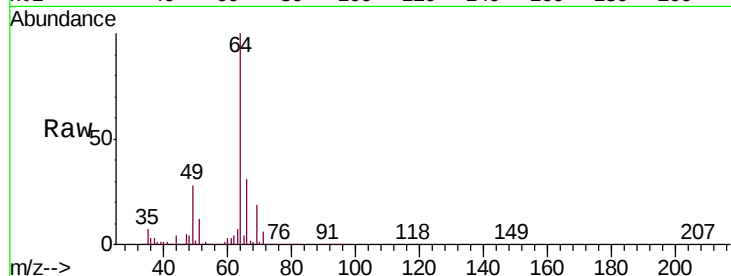




#8
Chloroethane
Concen: 24.737 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

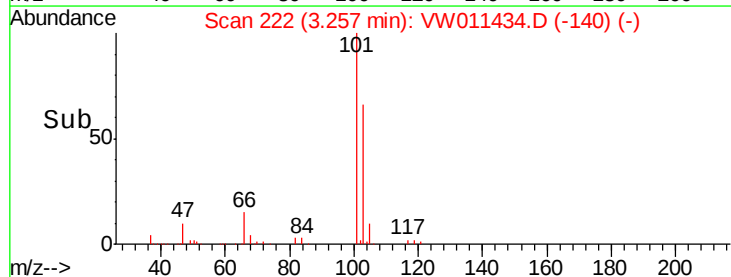
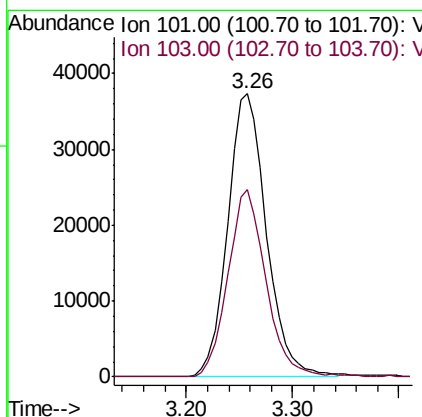
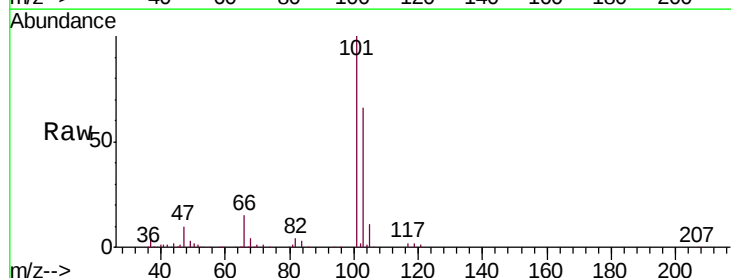
Instrument :
MSVOA_W
ClientSampleId :
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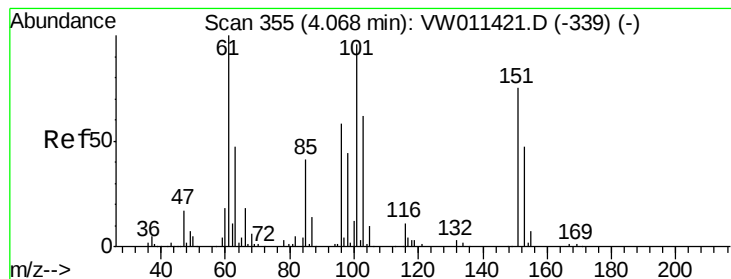
Tgt Ion: 64 Resp: 103769
Ion Ratio Lower Upper
64 100
66 30.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 25.418 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 101 Resp: 95237
Ion Ratio Lower Upper
101 100
103 64.6 45.2 84.0





#11

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

Concen: 25.456 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

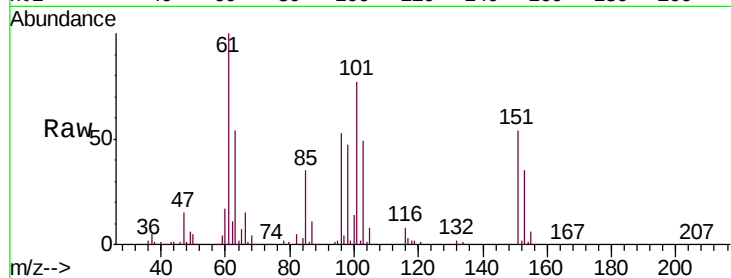
Tgt Ion:101 Resp: 153073

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

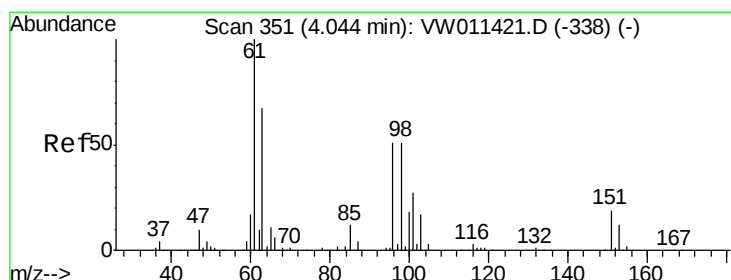
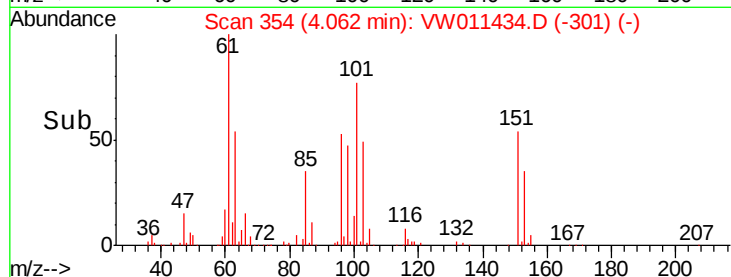
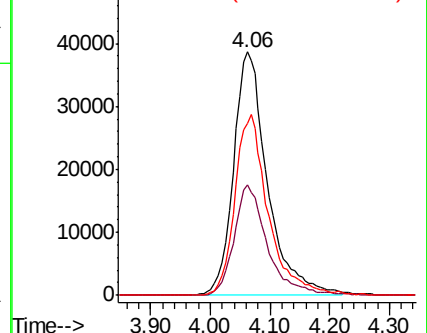
151 72.5 58.6 87.8



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: 25.076 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011434.D

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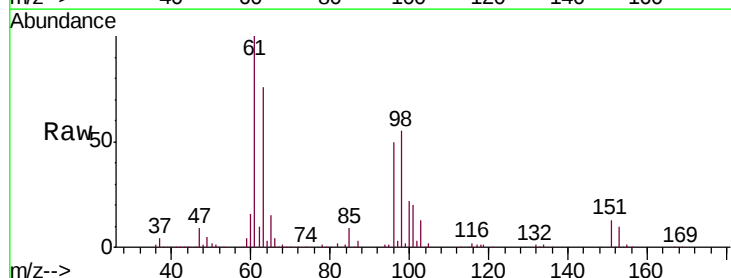
Tgt Ion: 96 Resp: 150527

Ion Ratio Lower Upper

96 100

61 201.6 133.2 247.4

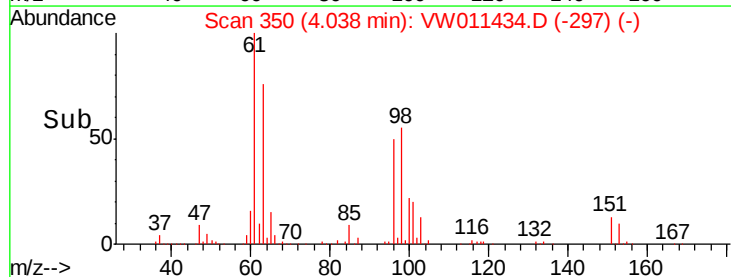
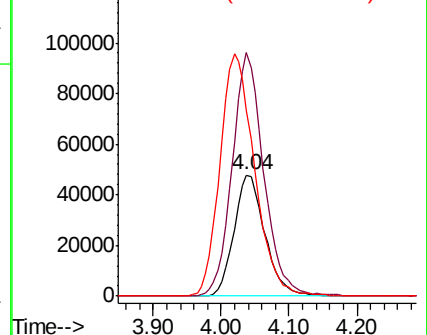
63 153.5 89.9 166.9

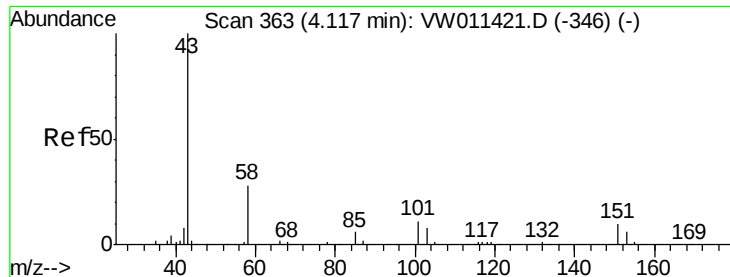


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.561 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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MSVOA_W

ClientSampled :

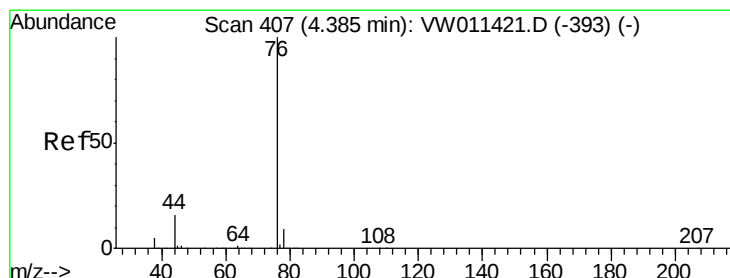
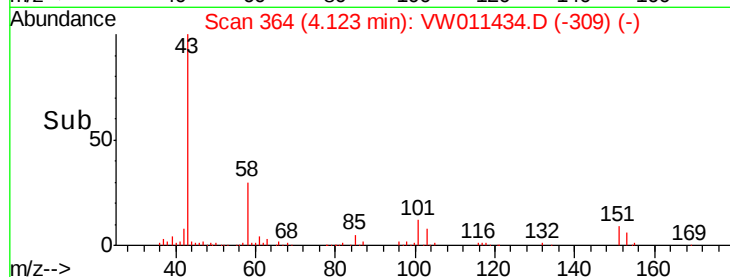
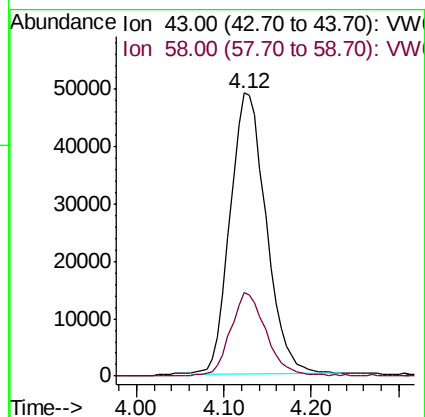
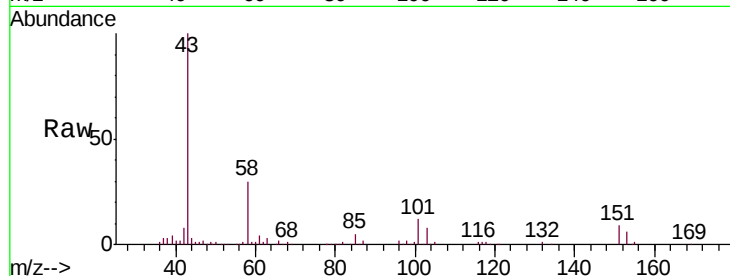
VSTD02517

Tgt Ion: 43 Resp: 140149

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.2



#14

Carbon disulfide

Concen: 25.299 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011434.D

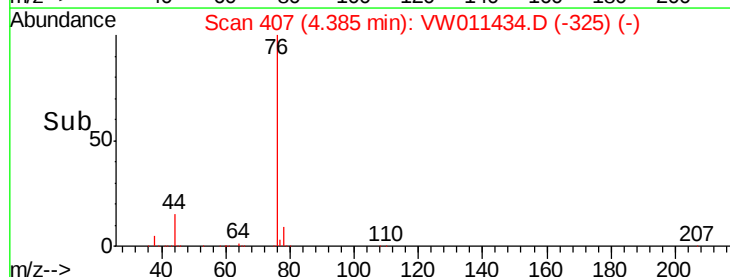
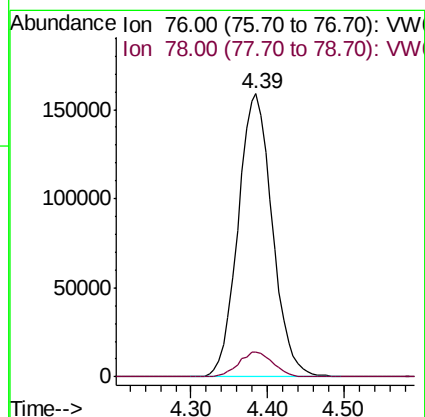
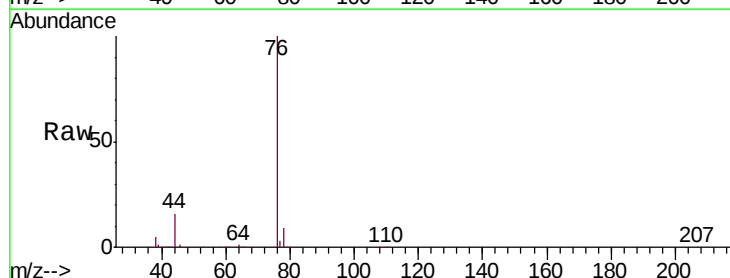
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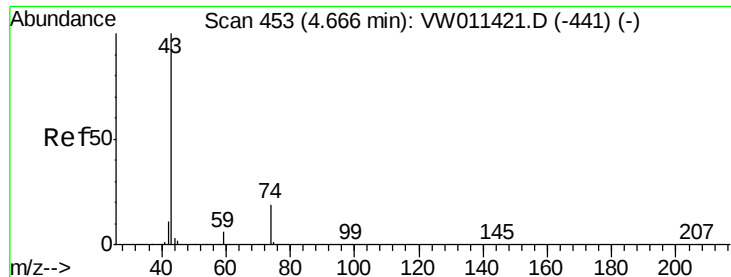
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Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

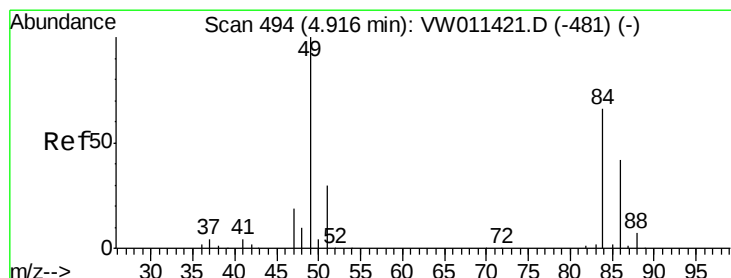
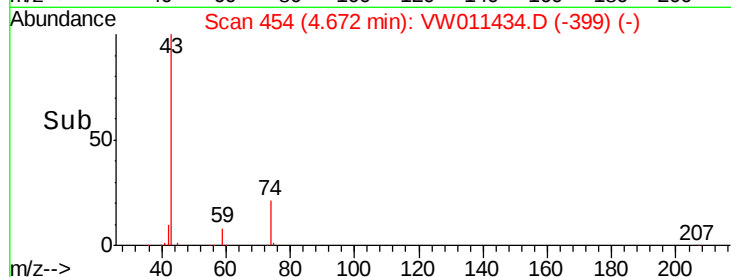
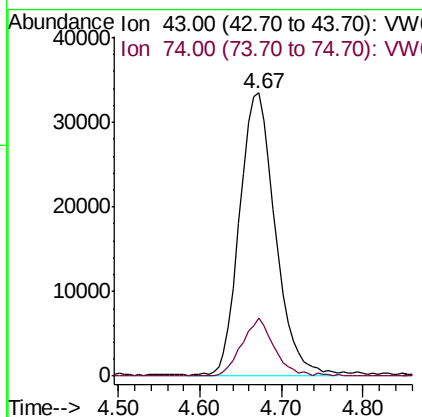
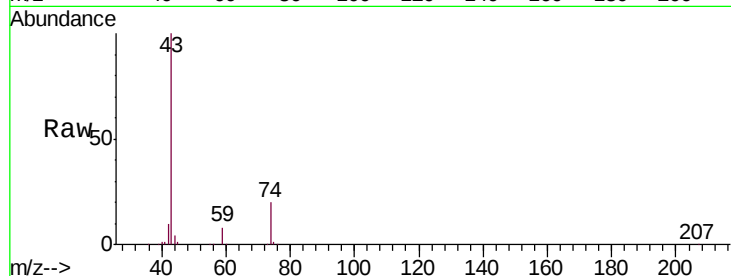




#15
Methyl Acetate
Concen: 24.352 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

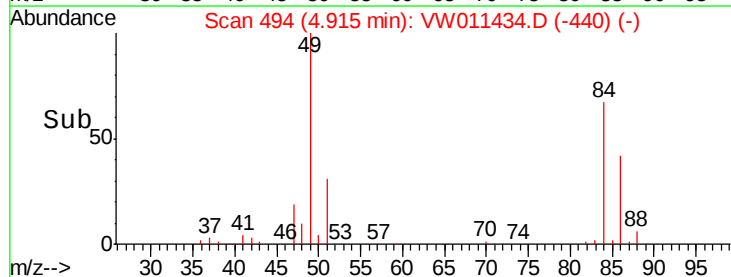
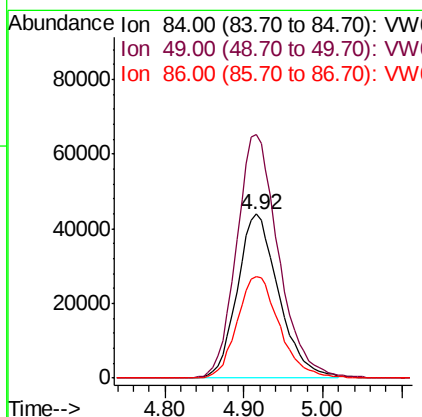
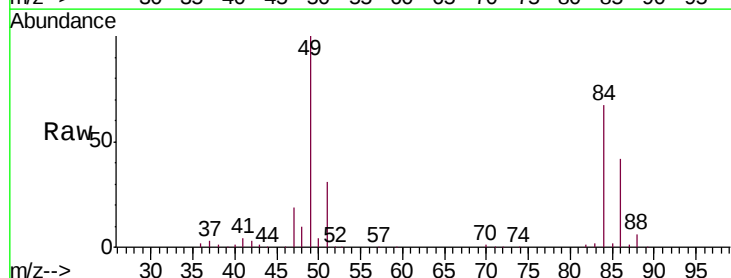
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

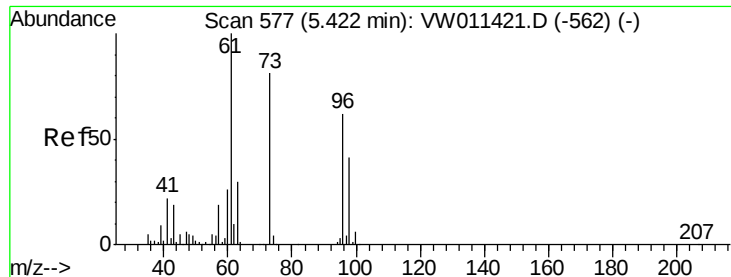
Tgt Ion: 43 Resp: 101635
Ion Ratio Lower Upper
43 100
74 18.1 15.2 22.8



#16
Methylene chloride
Concen: 24.394 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 84 Resp: 160482
Ion Ratio Lower Upper
84 100
49 148.5 104.0 193.2
86 62.0 44.0 81.8

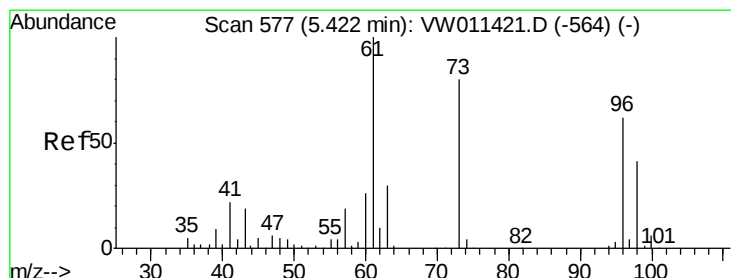
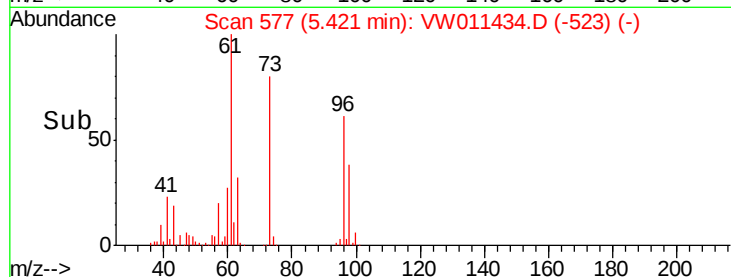
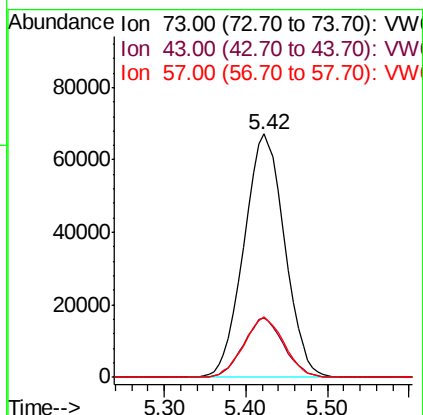
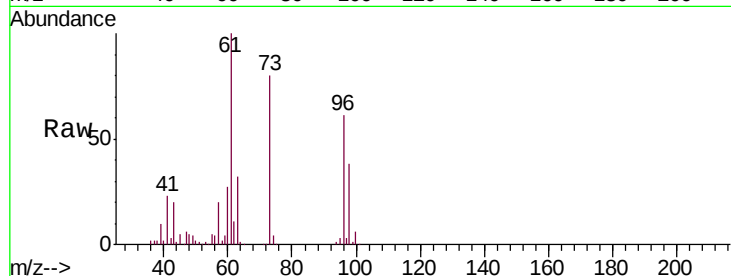




#17
Methyl tert-butyl Ether
Concen: 24.610 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

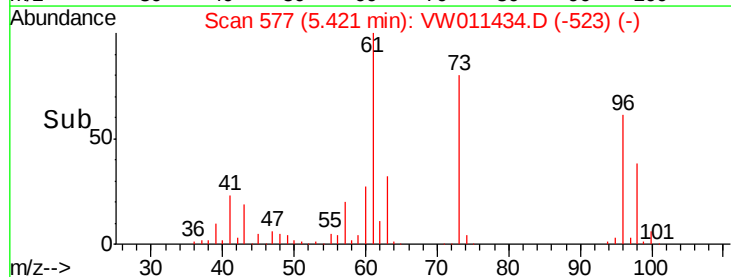
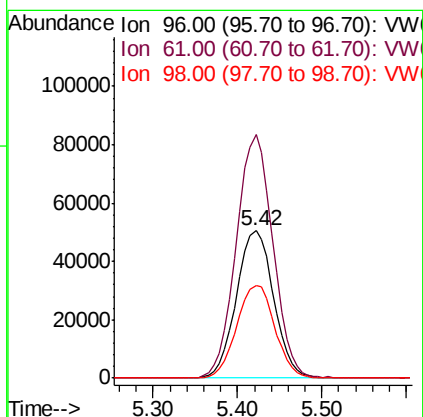
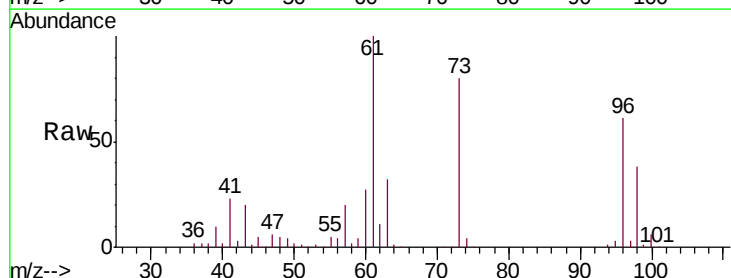
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

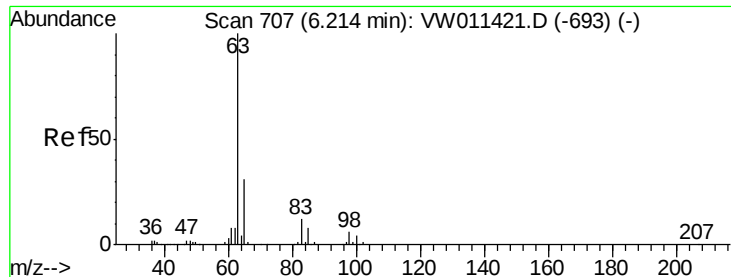
Tgt Ion: 73 Resp: 233556
Ion Ratio Lower Upper
73 100
43 24.0 19.0 28.4
57 24.3 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 24.508 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 96 Resp: 151712
Ion Ratio Lower Upper
96 100
61 165.2 111.7 207.5
98 62.8 43.4 80.6

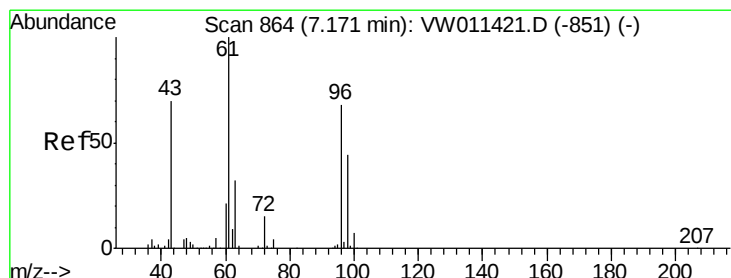
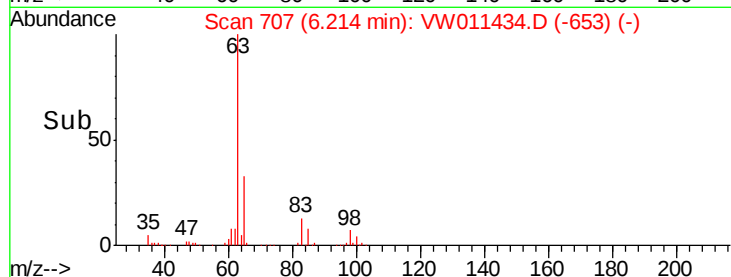
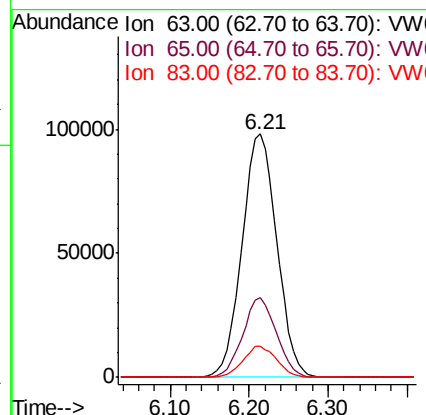
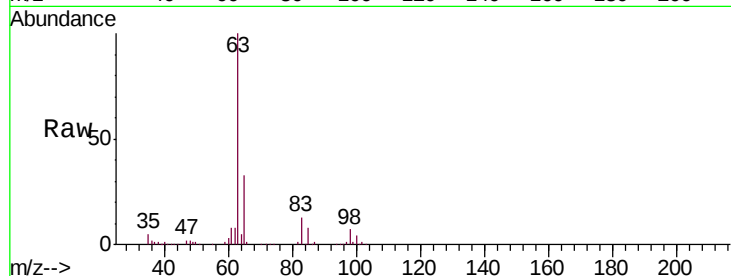




#19
 1,1-Dichloroethane
 Concen: 24.499 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

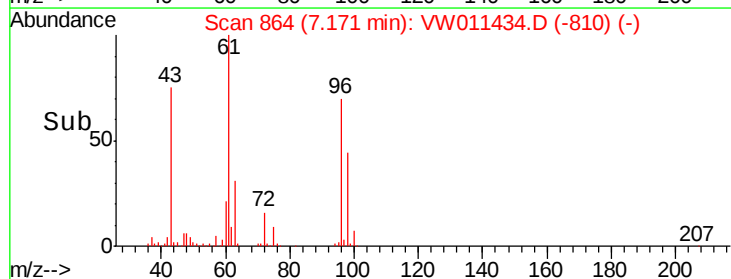
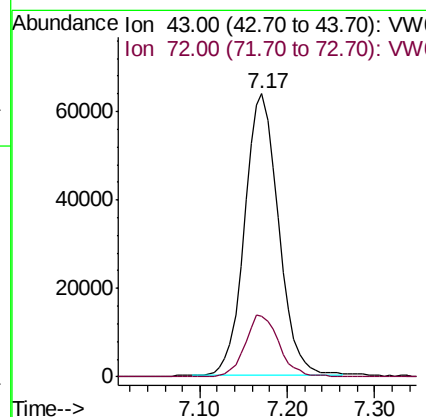
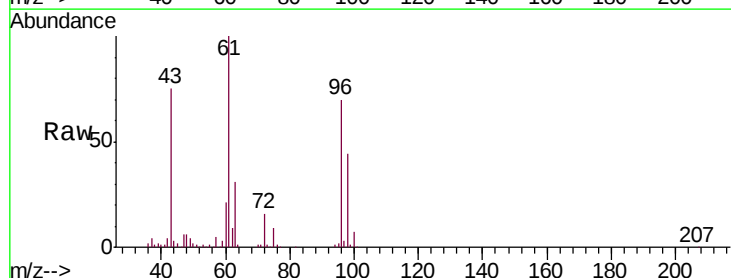
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

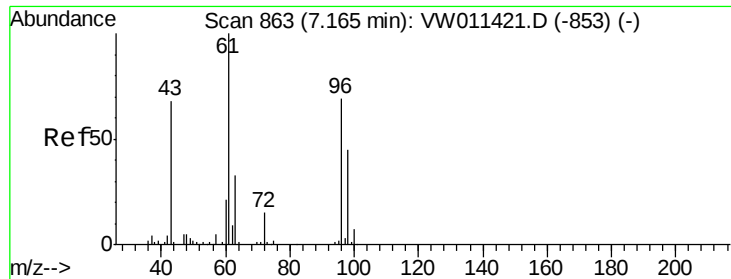
Tgt Ion:	63	Resp:	301230
Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.8	42.4
83	12.8	8.6	16.0



#21
 2-Butanone
 Concen: 49.046 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Tgt Ion:	43	Resp:	171323
Ion	Ratio	Lower	Upper
43	100		
72	22.1	10.5	31.6



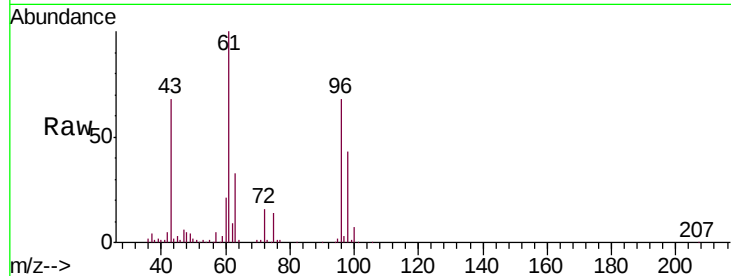


#22

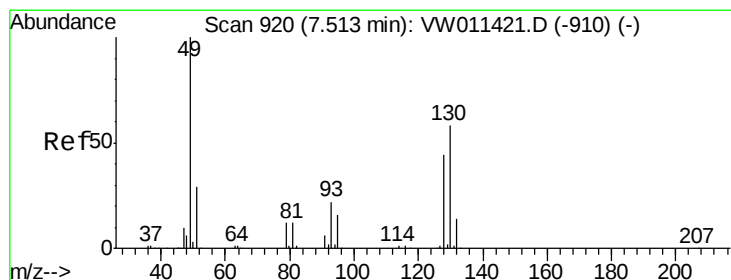
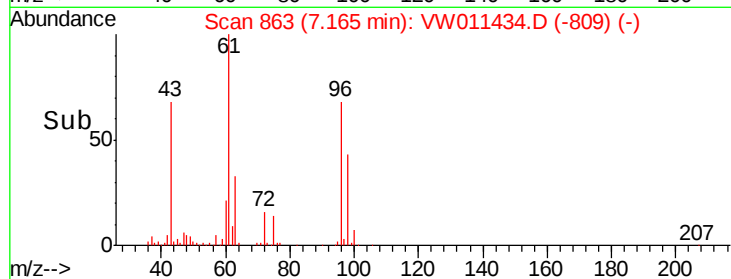
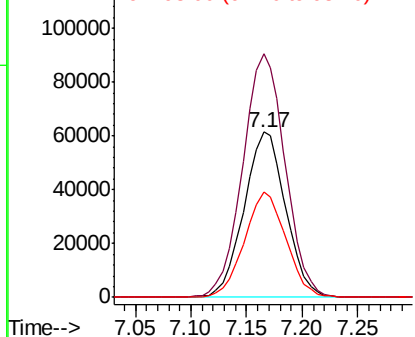
cis-1,2-Dichloroethene
Concen: 24.380 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tgt Ion: 96 Resp: 159876
Ion Ratio Lower Upper
96 100
61 147.6 101.8 189.0
98 63.6 45.4 84.2



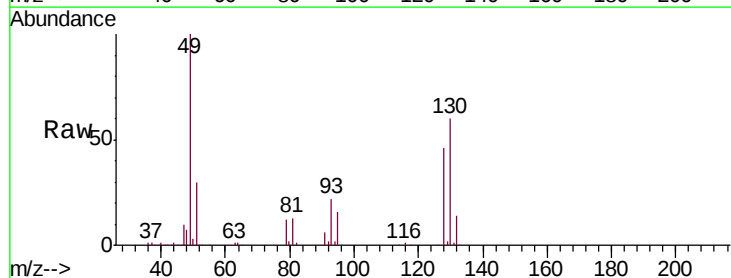
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



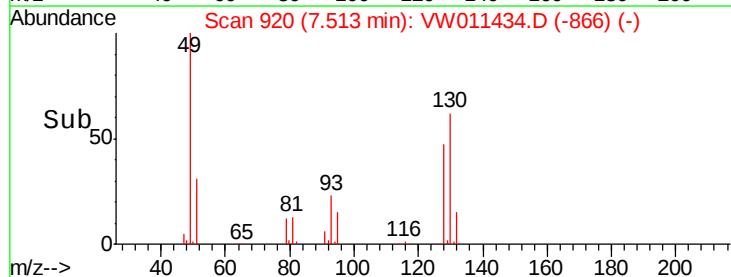
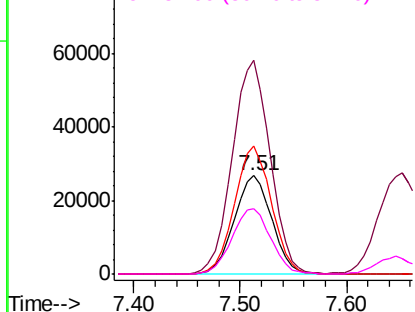
#23

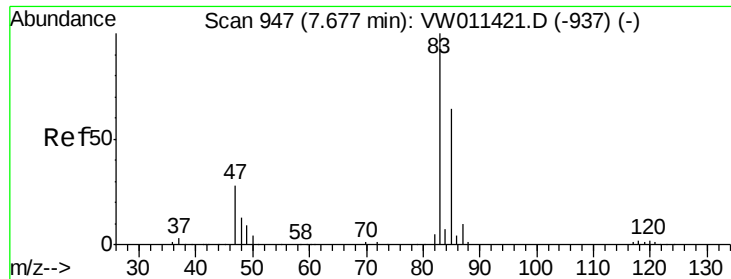
Bromochloromethane
Concen: 24.076 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 128 Resp: 65986
Ion Ratio Lower Upper
128 100
49 217.5 152.0 282.2
130 130.0 89.8 166.8
51 66.2 52.9 79.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

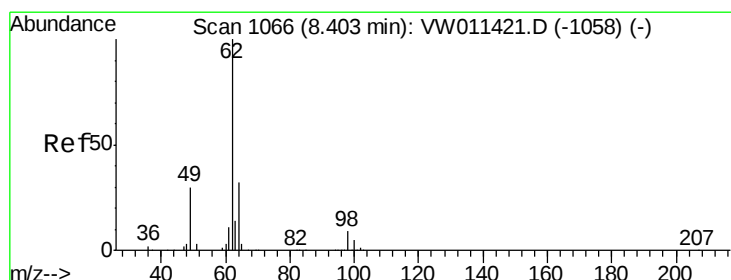
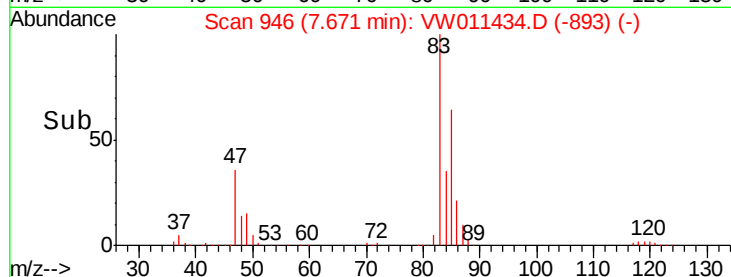
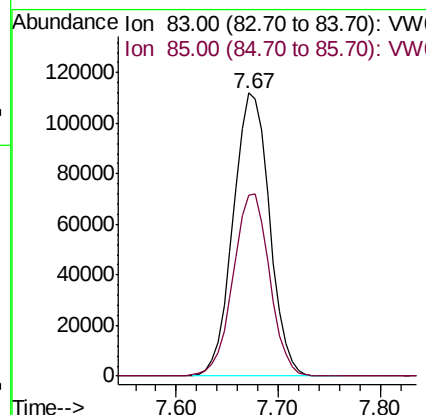
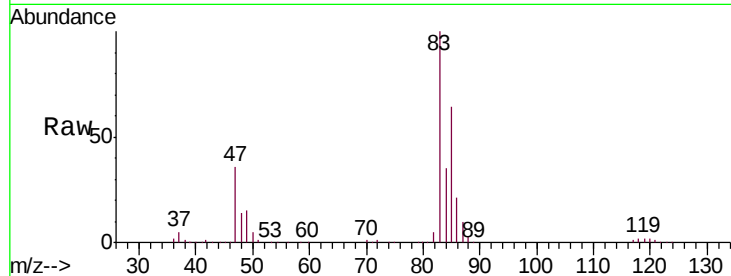




#25
Chloroform
Concen: 24.421 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

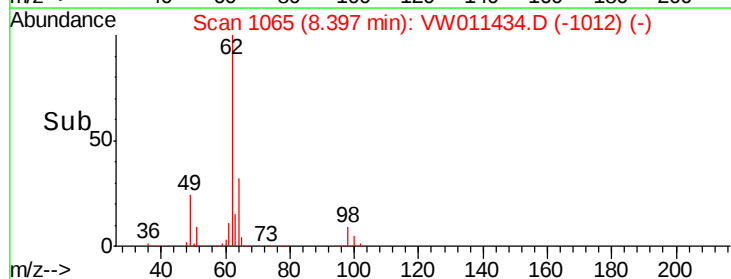
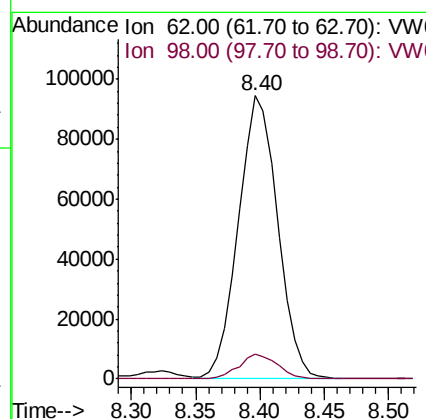
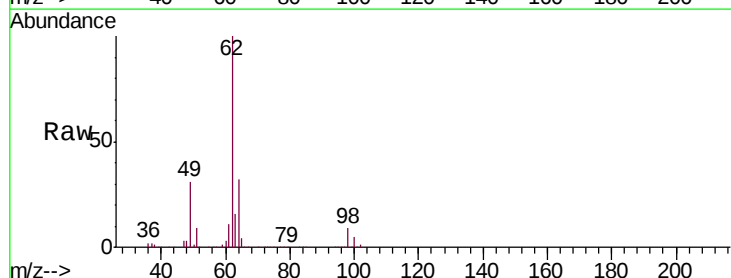
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

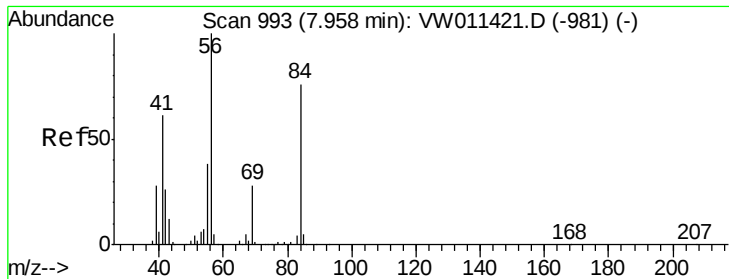
Tgt Ion: 83 Resp: 276610
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 24.189 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 62 Resp: 199690
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7

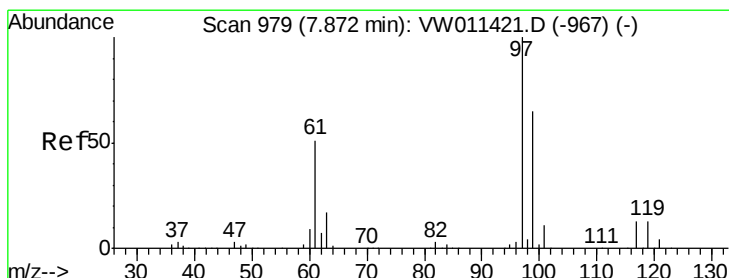
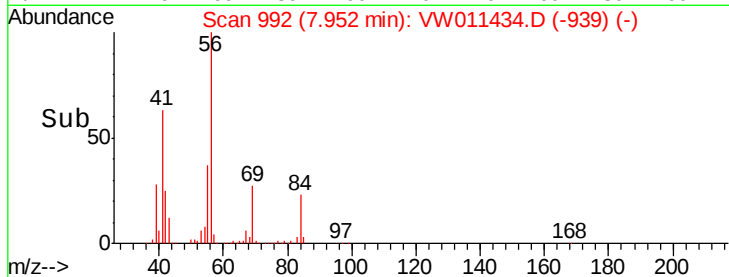
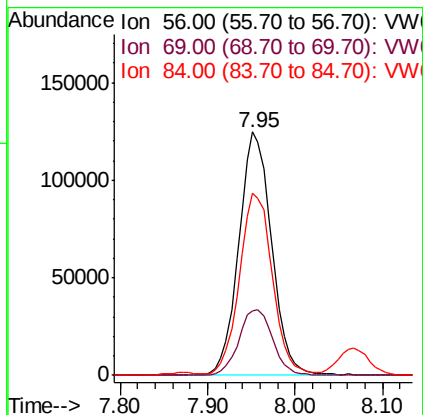
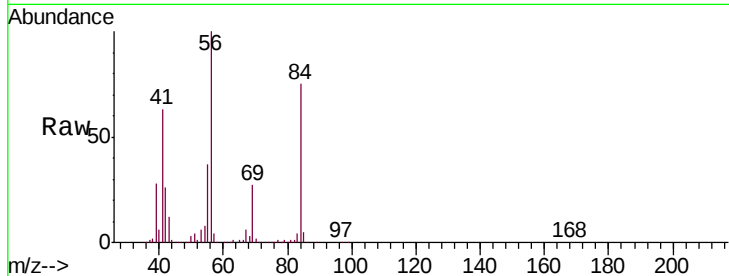




#30
Cyclohexane
Concen: 24.870 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

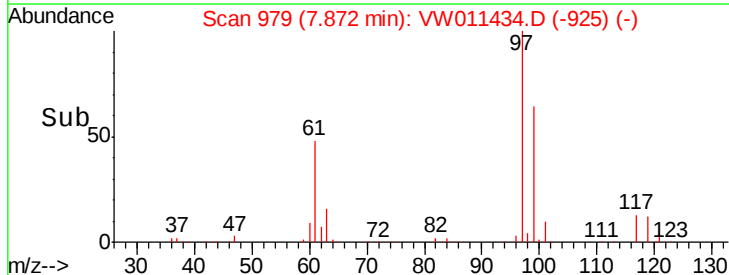
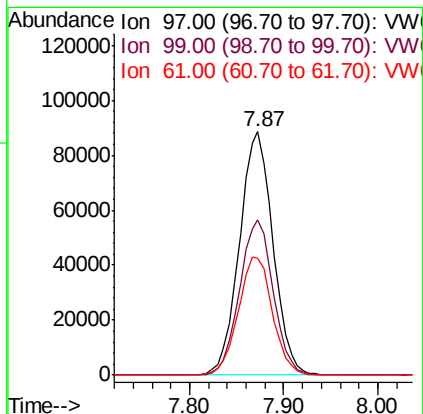
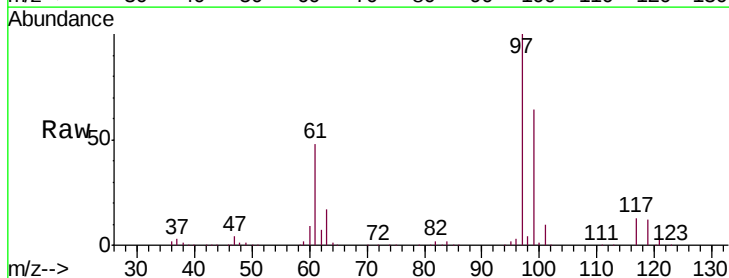
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

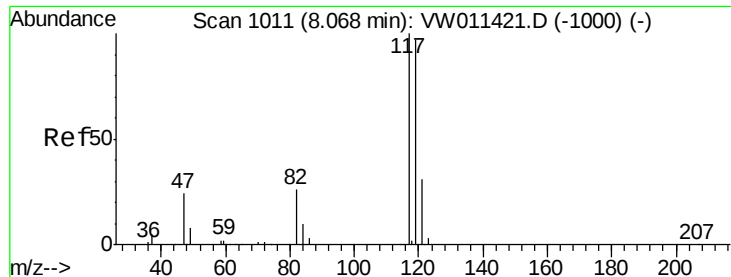
Tgt Ion: 56 Resp: 324328
Ion Ratio Lower Upper
56 100
69 28.0 22.6 34.0
84 75.4 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 24.741 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 97 Resp: 220499
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 49.3 39.4 59.2





#32

Carbon tetrachloride

Concen: 24.838 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

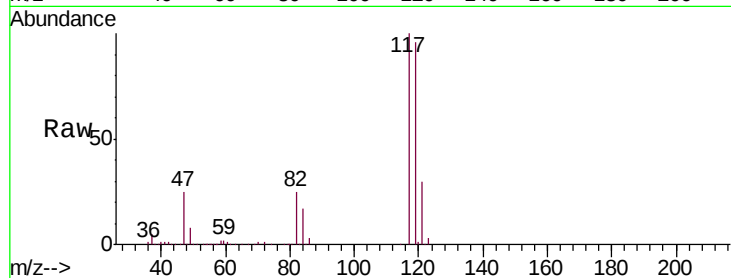
VSTD02517

Tgt Ion:117 Resp: 205710

Ion Ratio Lower Upper

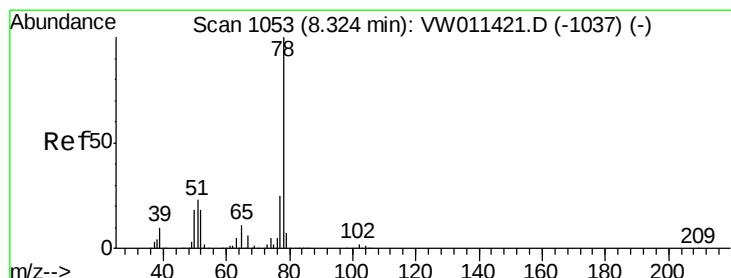
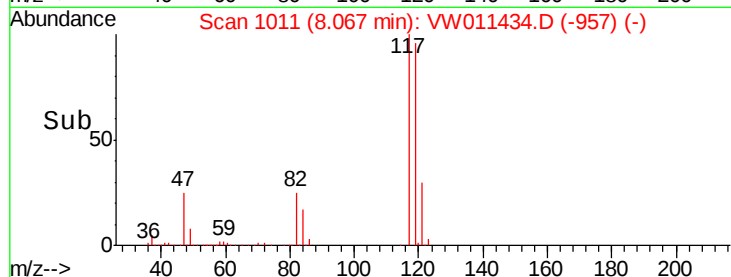
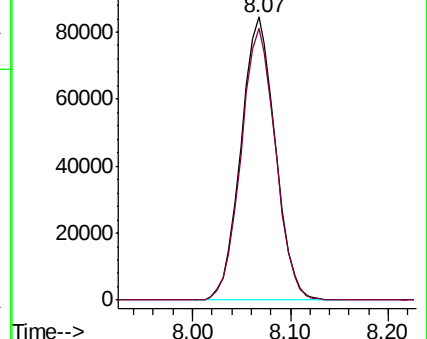
117 100

119 96.4 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: 24.506 ug/L

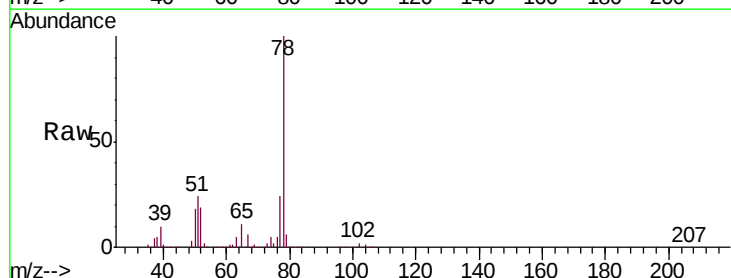
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

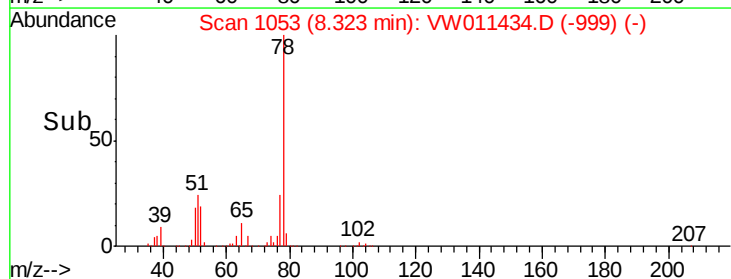
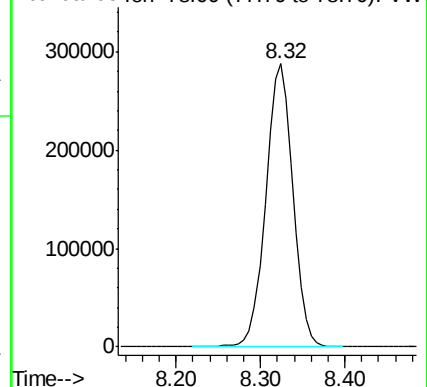
Lab File: VW011434.D

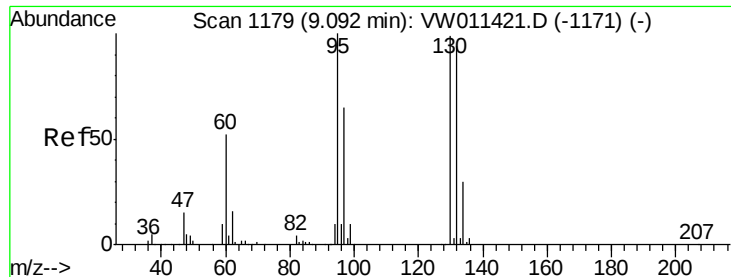
Acq: 23 Jul 2019 09:38

Tgt Ion: 78 Resp: 636886



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.290 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion: 95 Resp: 160444

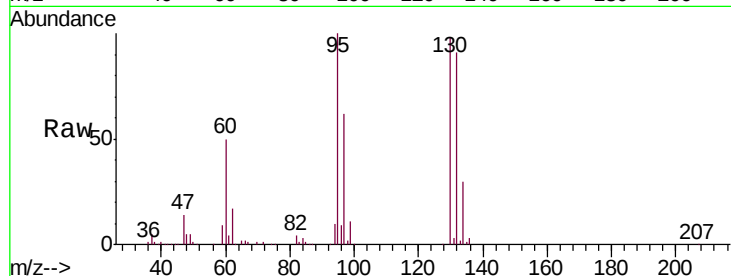
Ion Ratio Lower Upper

95 100

97 64.2 44.6 82.8

132 91.0 66.0 122.6

130 96.3 68.4 127.0



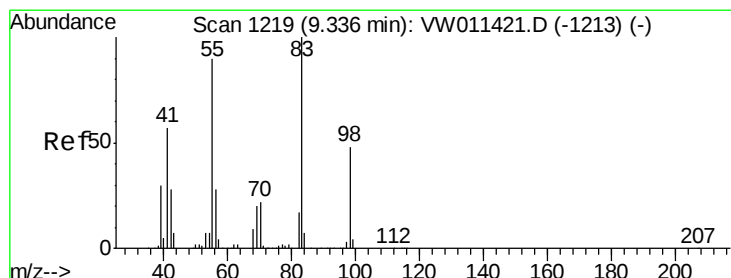
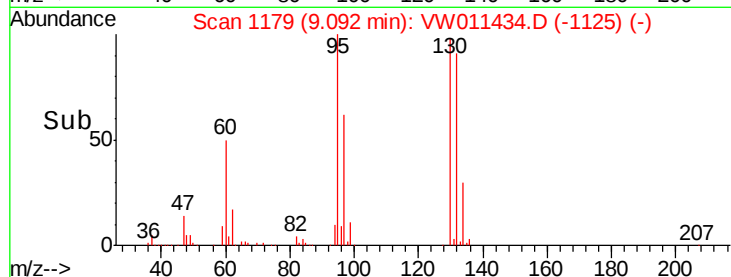
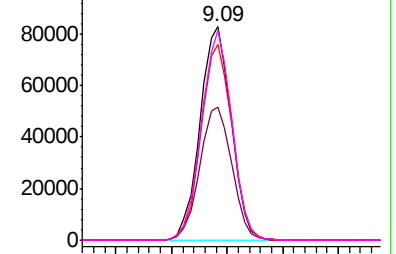
Abundance

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: 24.597 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

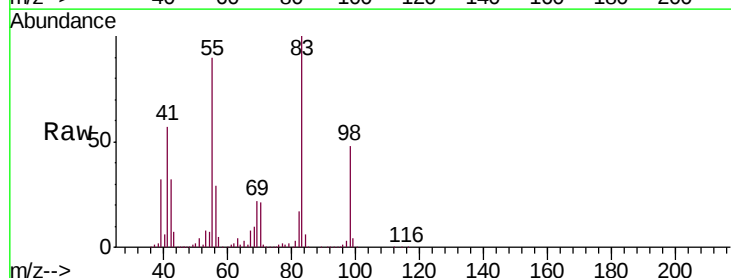
Tgt Ion: 83 Resp: 295447

Ion Ratio Lower Upper

83 100

55 90.5 71.5 107.3

98 48.6 37.4 56.2

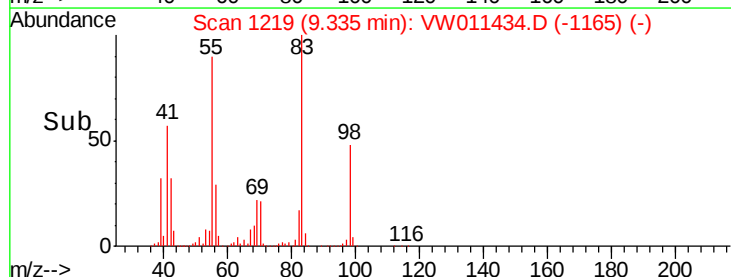
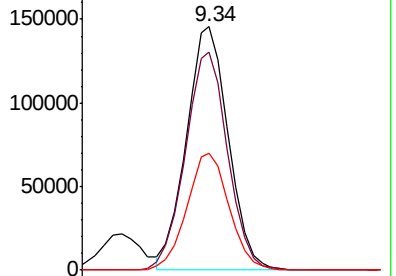


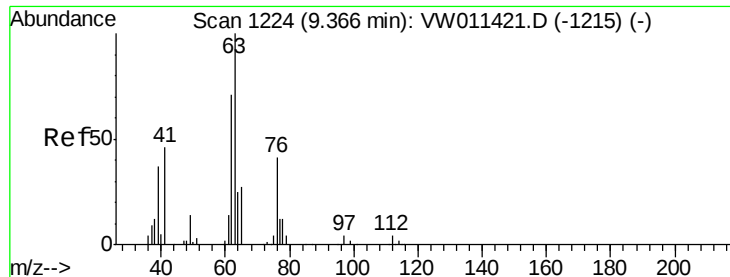
Abundance

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

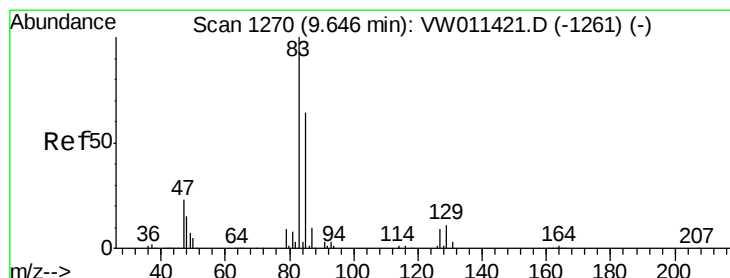
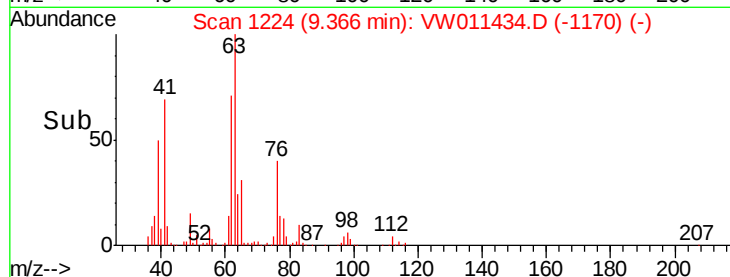
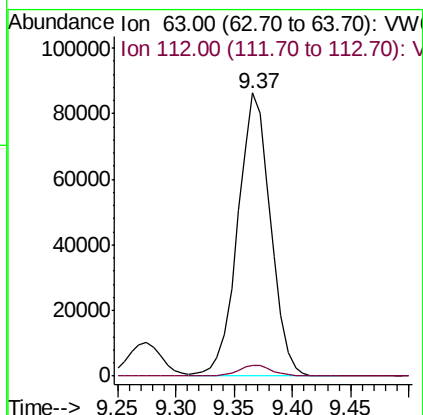
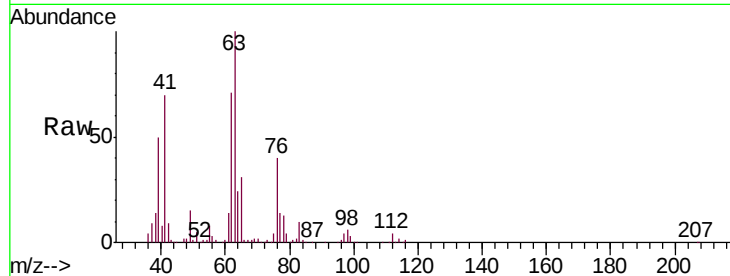




#40
 1,2-Dichloropropane
 Concen: 24.194 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

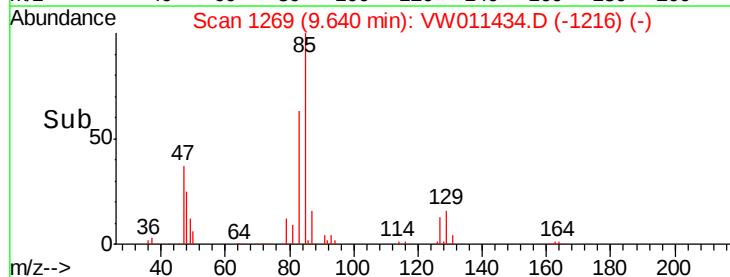
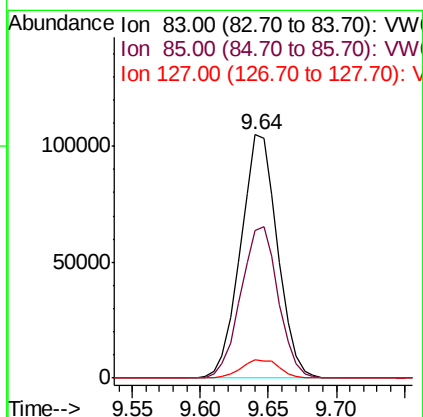
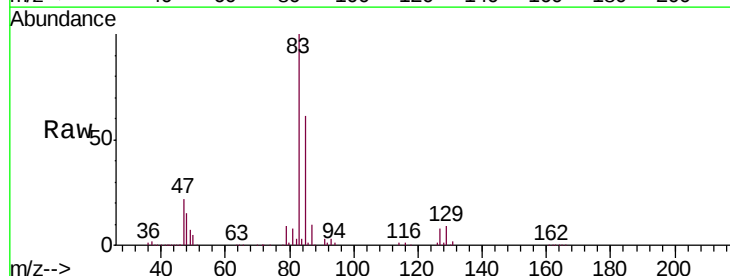
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

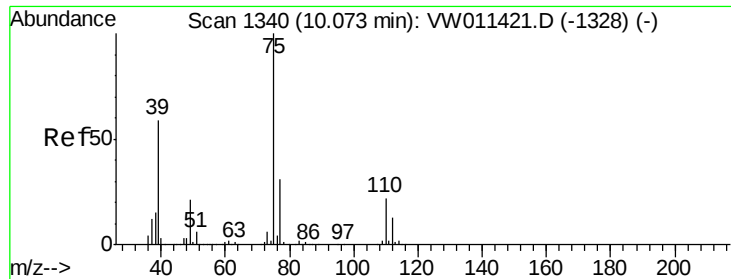
Tgt Ion: 63 Resp: 168931
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#41
 Bromodichloromethane
 Concen: 24.436 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Tgt Ion: 83 Resp: 199495
 Ion Ratio Lower Upper
 83 100
 85 60.7 44.3 82.3
 127 7.6 6.6 9.8





#42

cis-1,3-Dichloropropene

Concen: 24.535 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

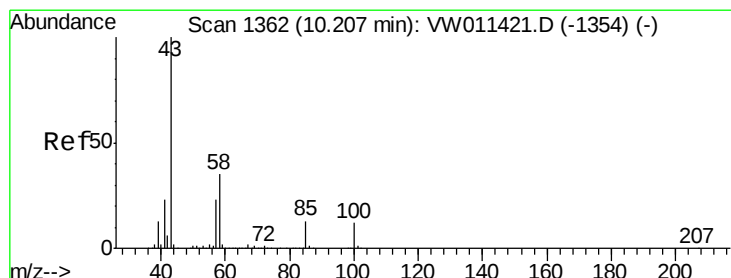
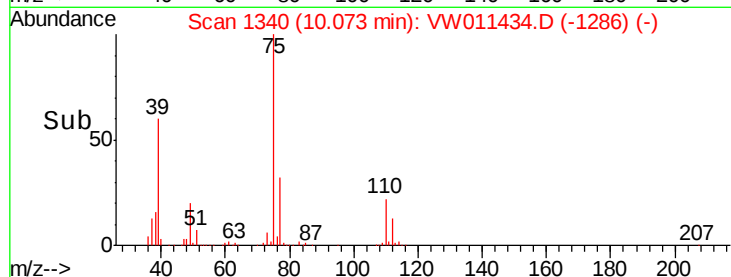
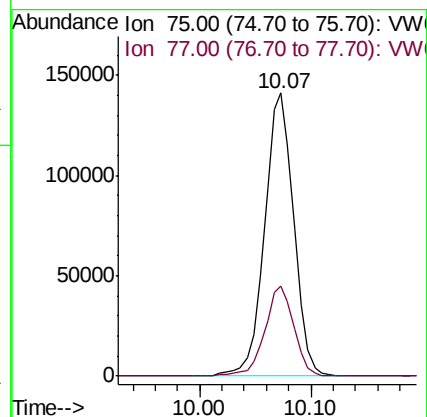
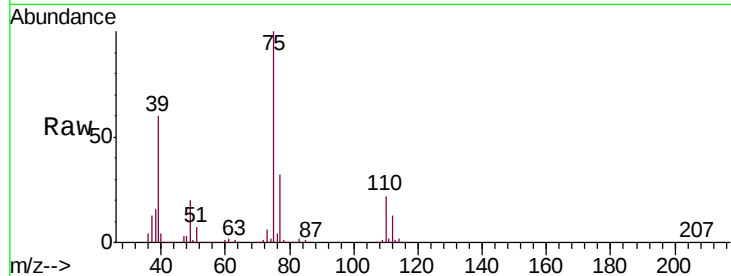
VSTD02517

Tgt Ion: 75 Resp: 257370

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 48.285 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

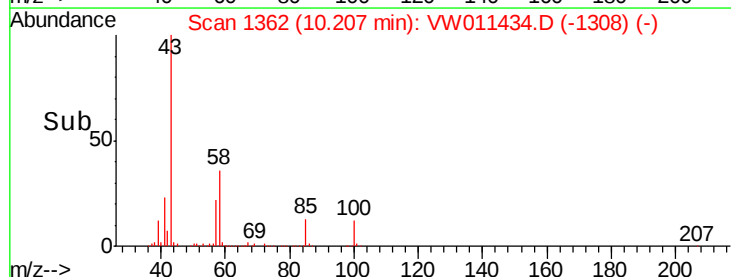
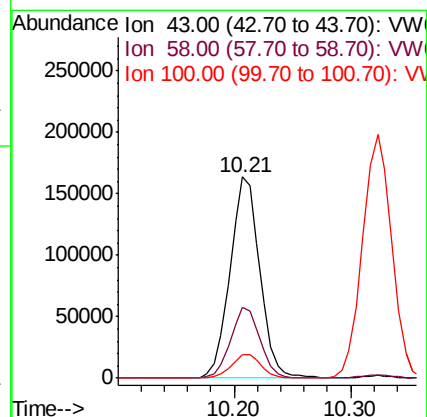
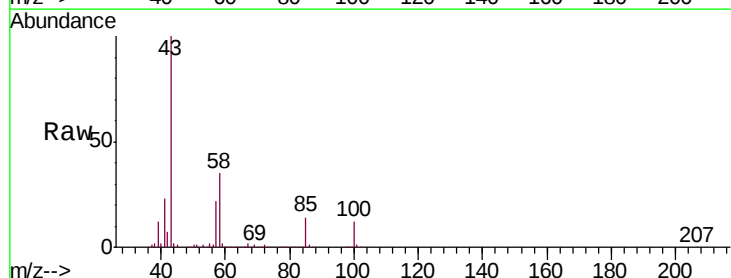
Tgt Ion: 43 Resp: 288628

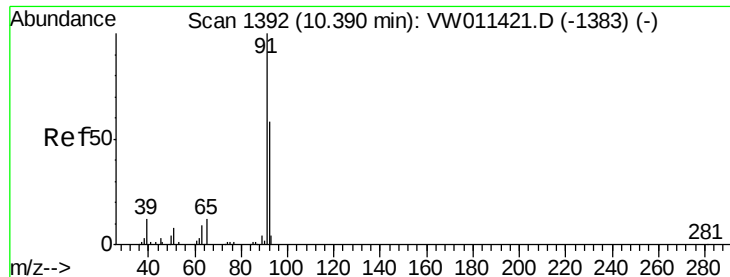
Ion Ratio Lower Upper

43 100

58 34.8 28.0 42.0

100 11.9 9.8 14.8





#44

Toluene

Concen: 24.739 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

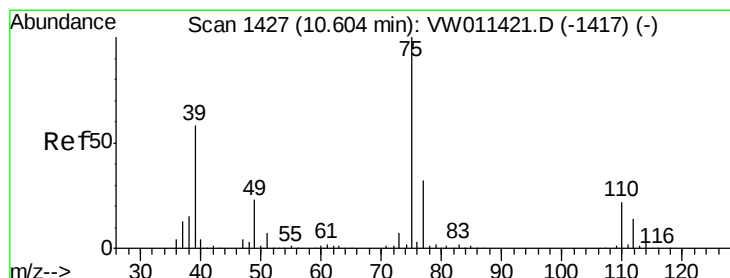
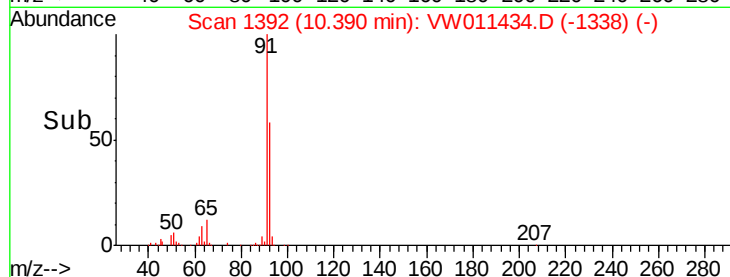
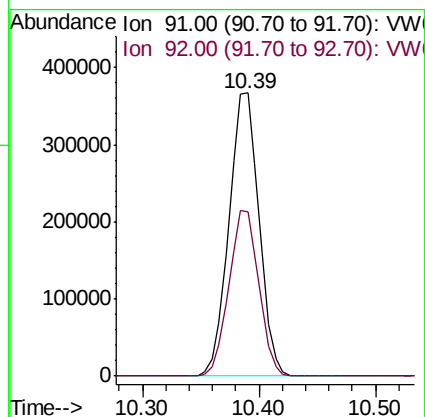
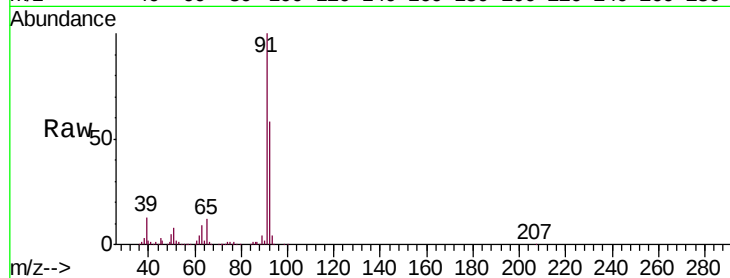
VSTD02517

Tgt Ion: 91 Resp: 659473

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.229 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011434.D

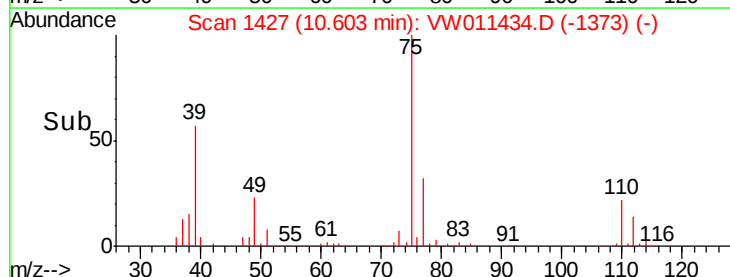
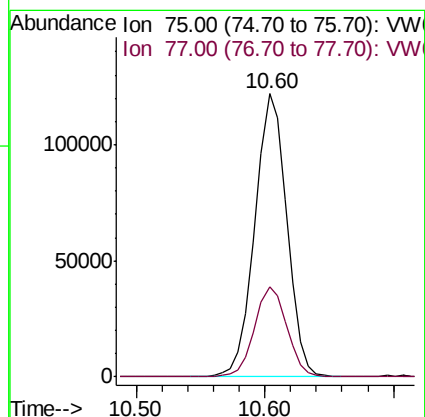
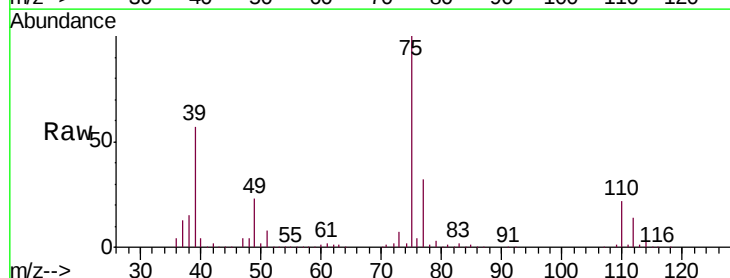
Acq: 23 Jul 2019 09:38

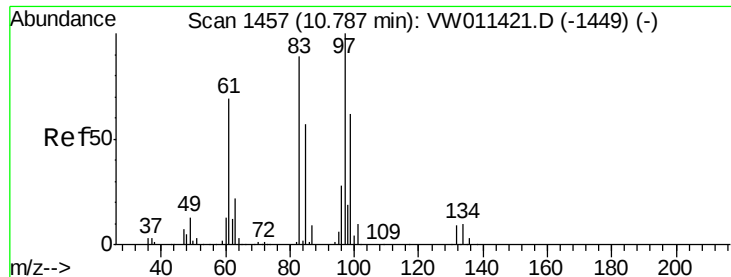
Tgt Ion: 75 Resp: 208878

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

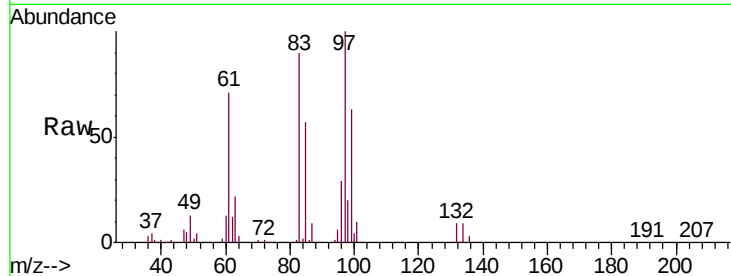




#46
 1,1,2-Trichloroethane
 Concen: 23.799 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion: 97 Resp: 111232
 Ion Ratio Lower Upper
 97 100
 83 89.7 63.8 118.6
 85 56.7 40.0 74.4
 99 63.0 43.1 80.1



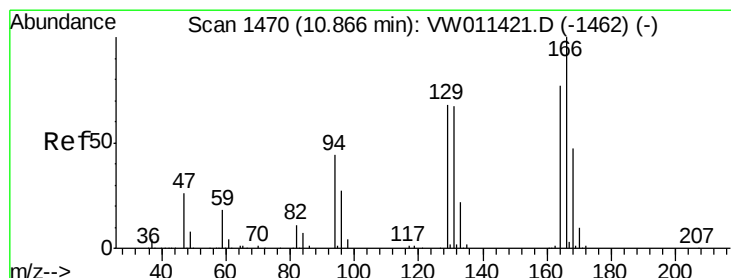
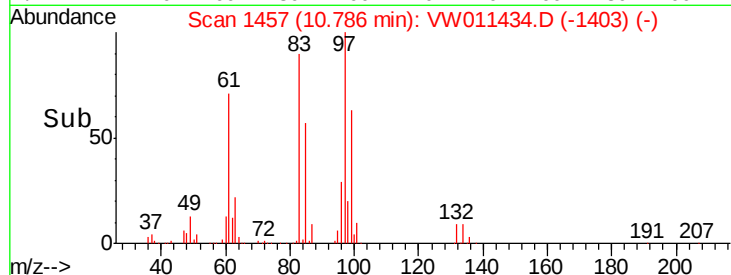
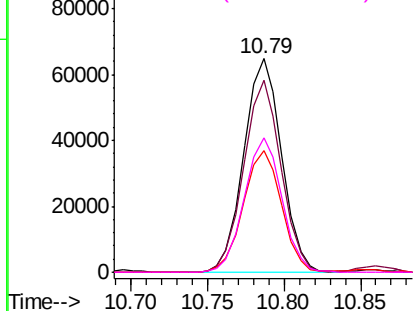
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

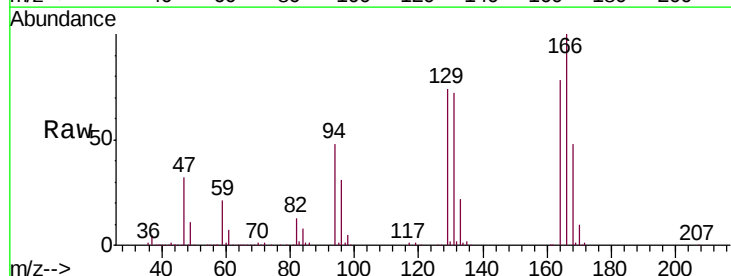
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.205 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Tgt Ion: 164 Resp: 122666
 Ion Ratio Lower Upper
 164 100
 129 95.2 69.0 128.1
 131 92.0 64.5 119.7
 166 128.3 89.2 165.6



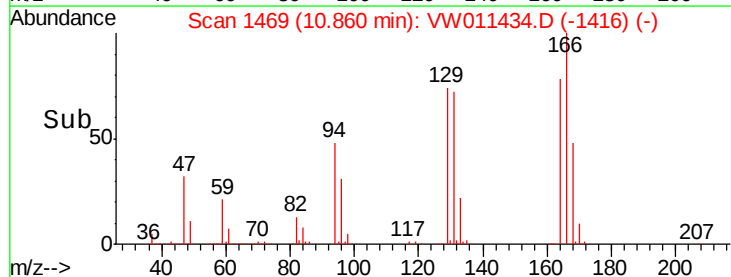
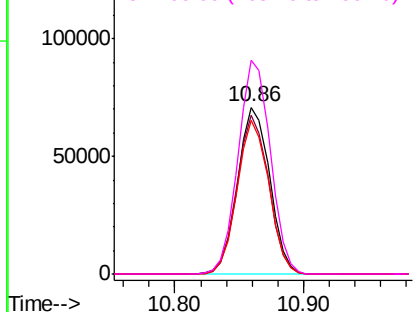
Abundance

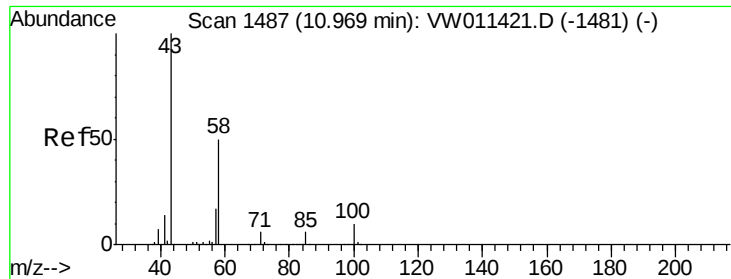
Ion 164.00 (163.70 to 164.70): V

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

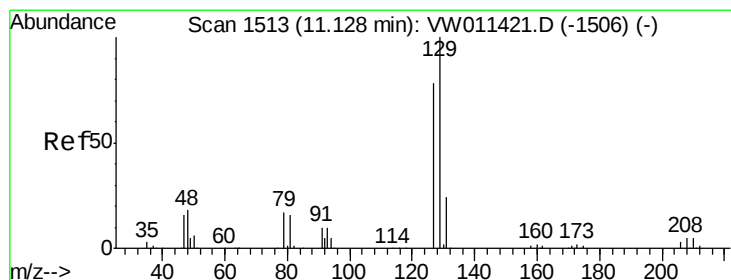
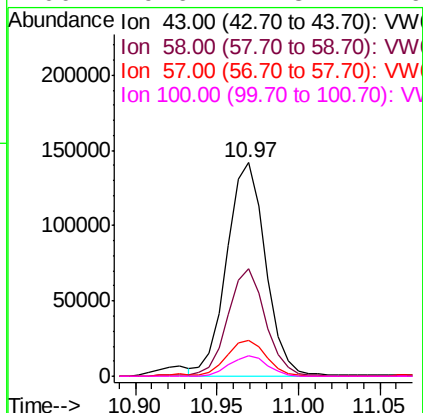
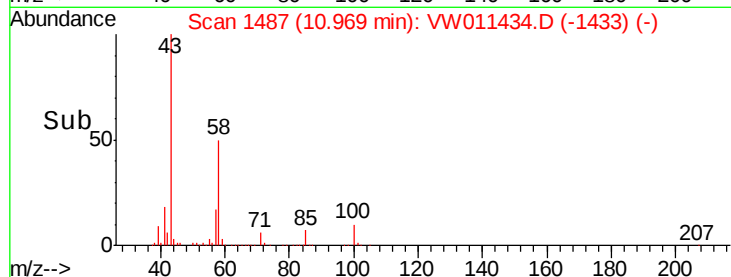
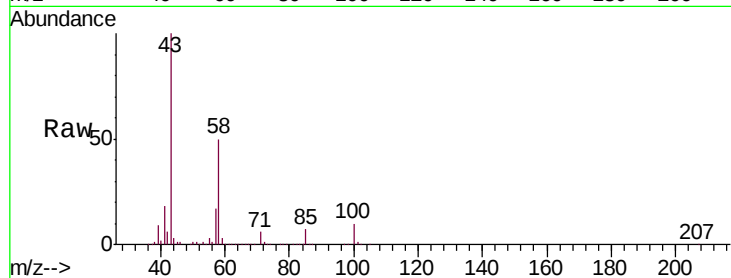




#49
2-Hexanone
Concen: 52.294 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

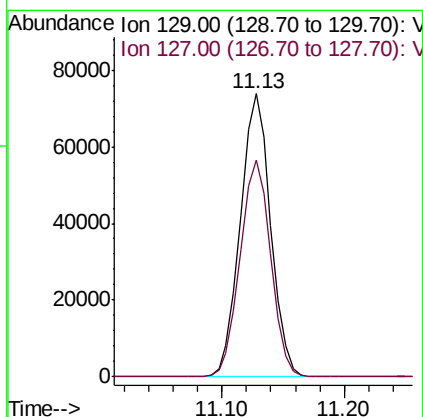
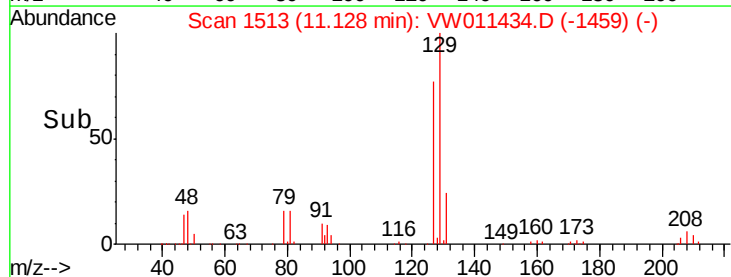
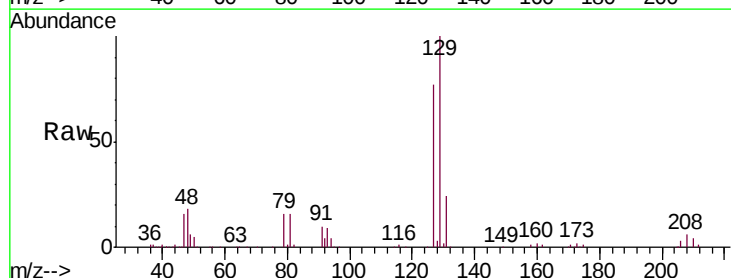
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

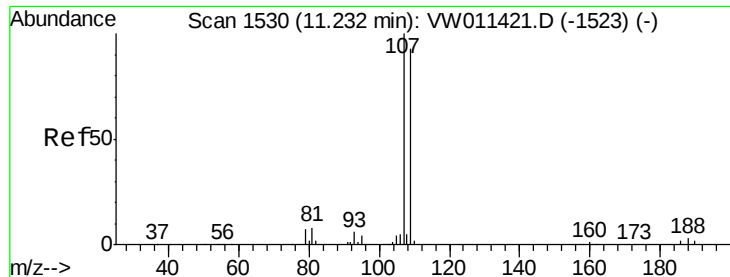
Tgt Ion: 43 Resp: 235952
Ion Ratio Lower Upper
43 100
58 48.9 40.1 60.1
57 17.1 13.8 20.6
100 9.6 7.8 11.6



#50
Dibromochloromethane
Concen: 24.472 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion: 129 Resp: 126609
Ion Ratio Lower Upper
129 100
127 76.5 53.9 100.1

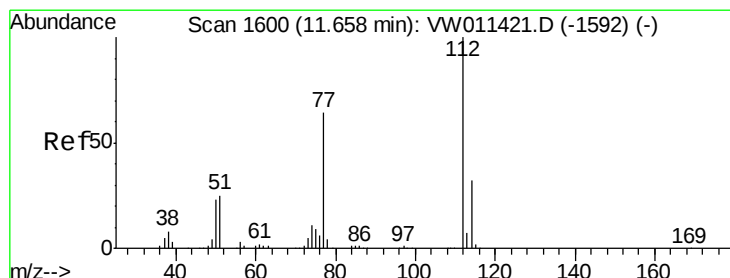
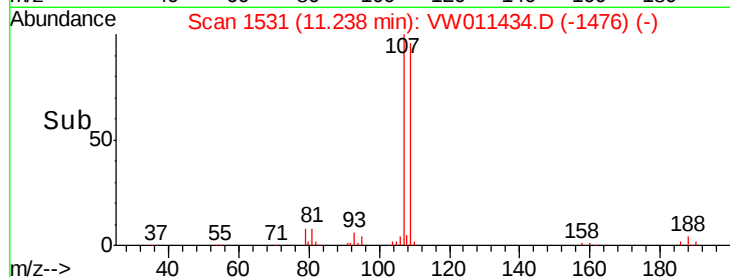
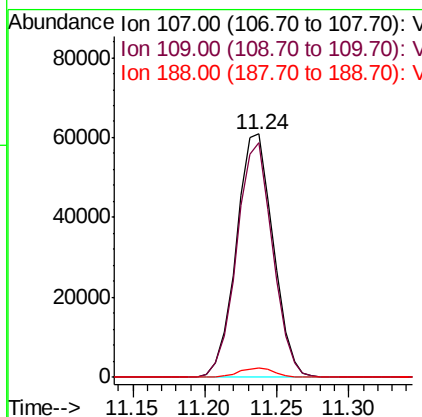
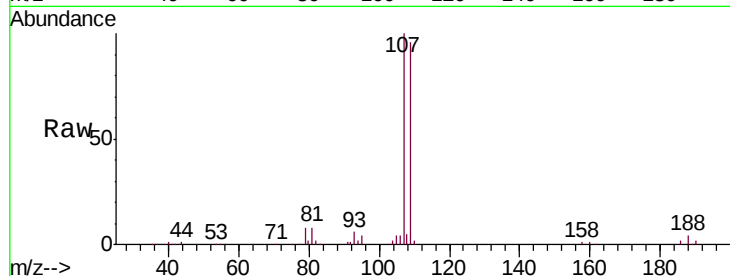




#51
1,2-Dibromoethane
Concen: 24.017 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

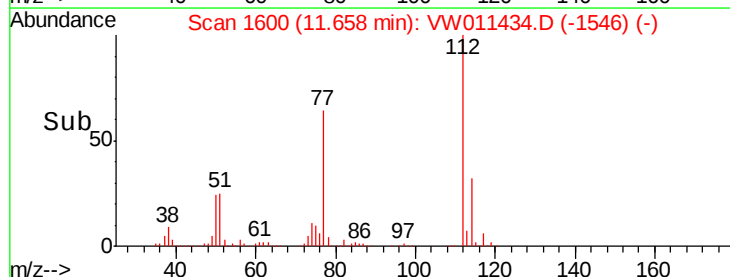
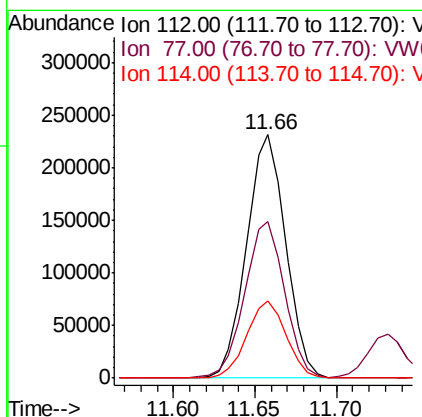
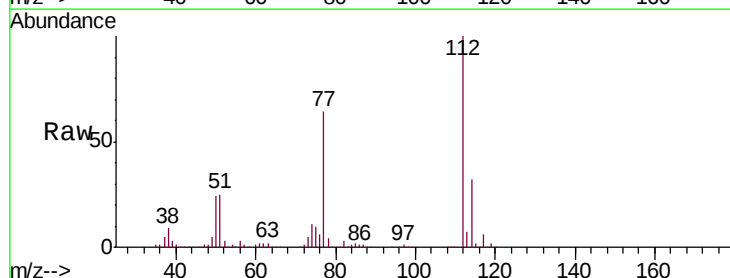
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

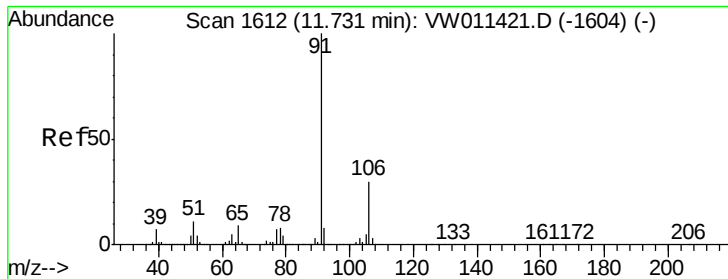
Tgt Ion:107 Resp: 108559
Ion Ratio Lower Upper
107 100
109 96.2 66.8 124.2
188 4.1 3.0 4.6



#52
Chlorobenzene
Concen: 24.121 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion:112 Resp: 387761
Ion Ratio Lower Upper
112 100
77 64.2 52.2 78.2
114 31.6 22.0 41.0





#53

Ethylbenzene

Concen: 24.439 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampled :

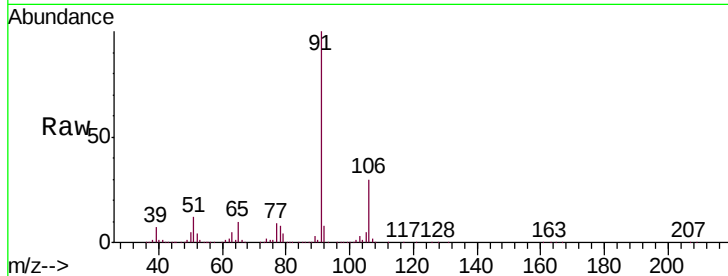
VSTD02517

Tgt Ion: 91 Resp: 733213

Ion Ratio Lower Upper

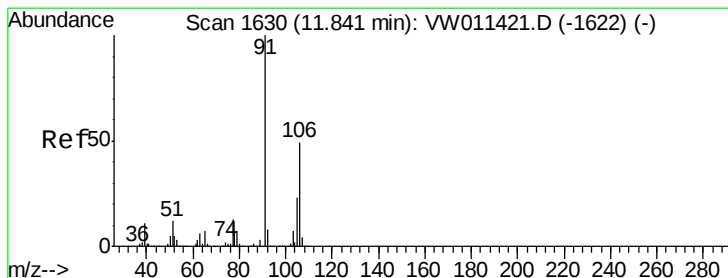
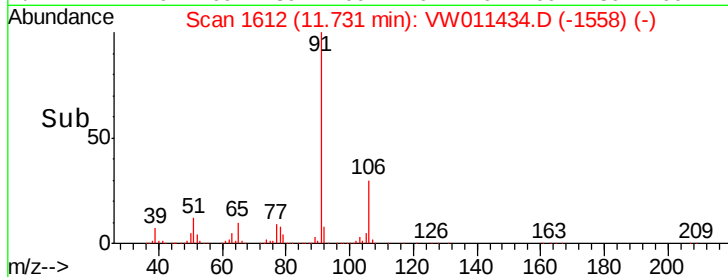
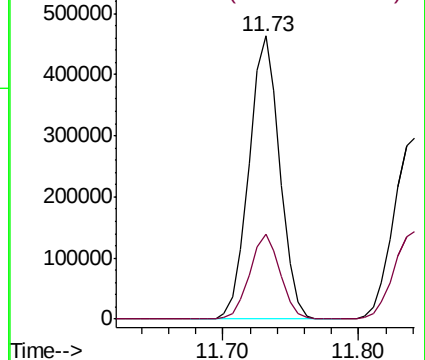
91 100

106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.429 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011434.D

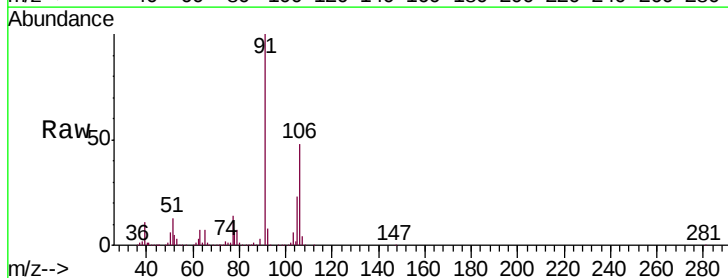
Acq: 23 Jul 2019 09:38

Tgt Ion: 106 Resp: 268418

Ion Ratio Lower Upper

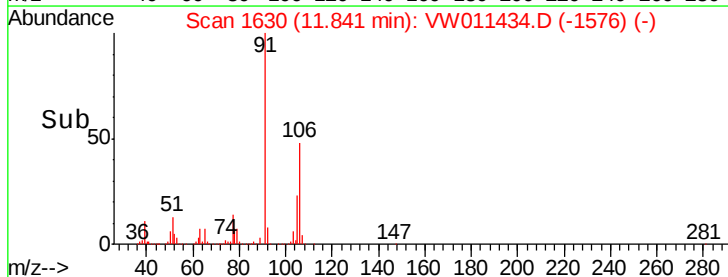
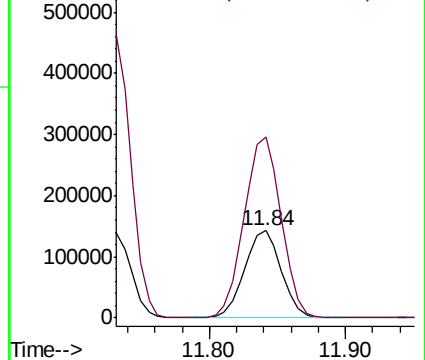
106 100

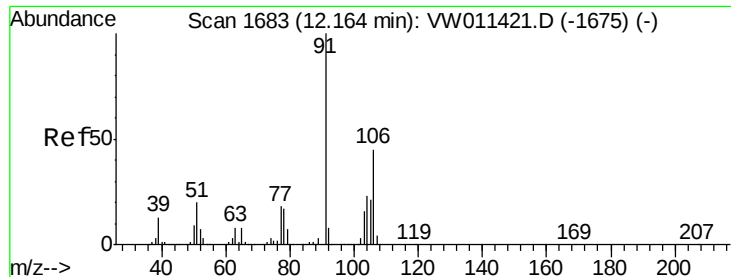
91 207.2 143.7 266.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

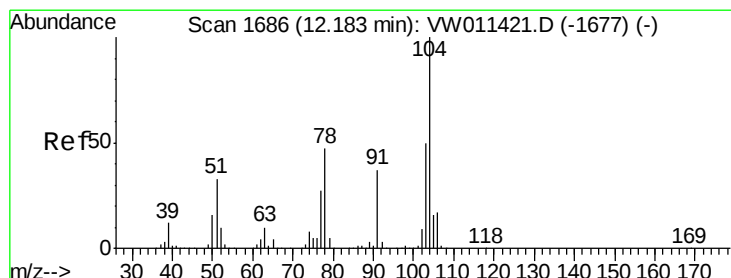
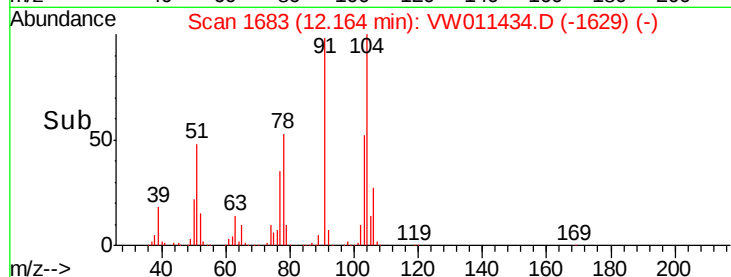
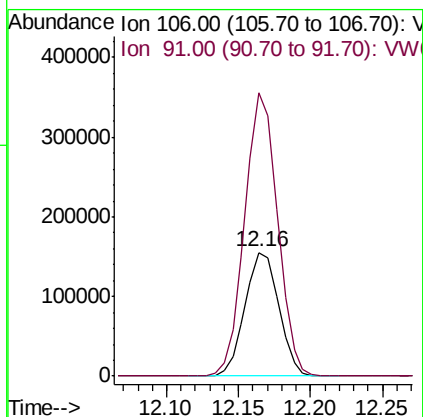
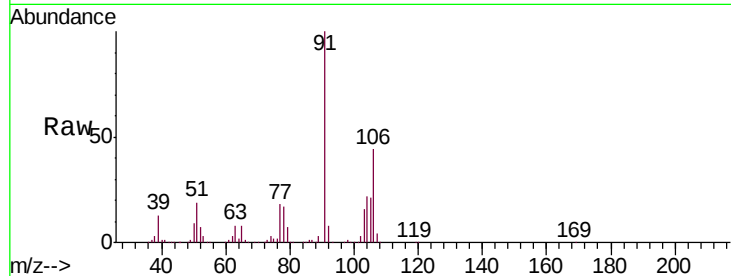




#55
o-xylene
Concen: 24.468 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

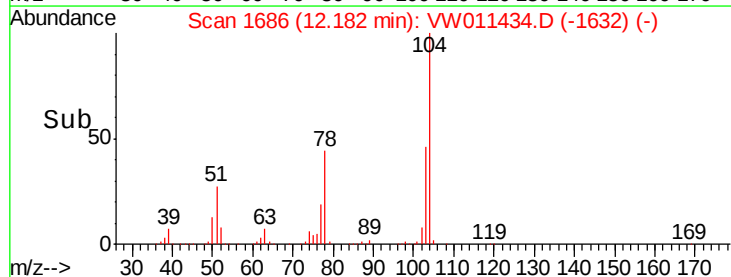
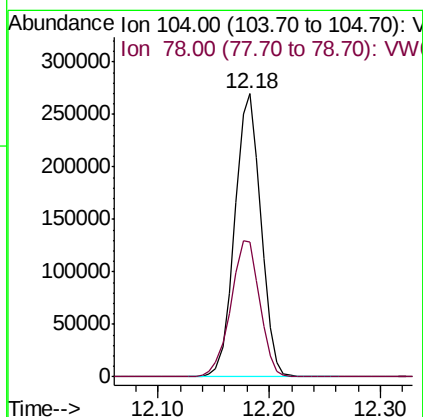
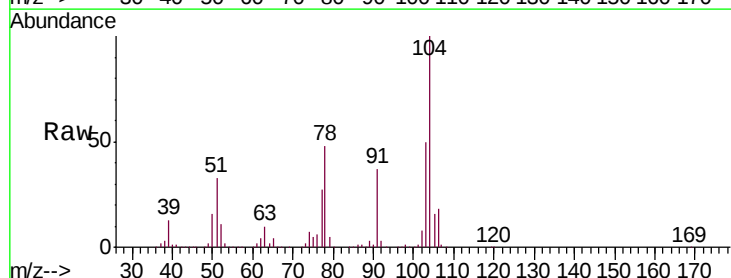
Instrument :
MSVOA_W
ClientSampled :
VSTD02517

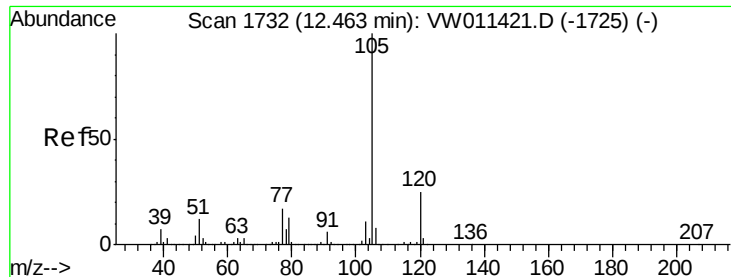
Tgt Ion:106 Resp: 253391
Ion Ratio Lower Upper
106 100
91 228.3 155.5 288.9



#56
Styrene
Concen: 25.058 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011434.D
Acq: 23 Jul 2019 09:38

Tgt Ion:104 Resp: 436534
Ion Ratio Lower Upper
104 100
78 47.6 33.5 62.1





#57

Isopropylbenzene

Concen: 24.835 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

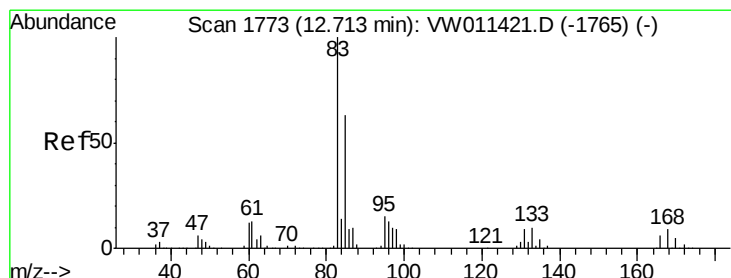
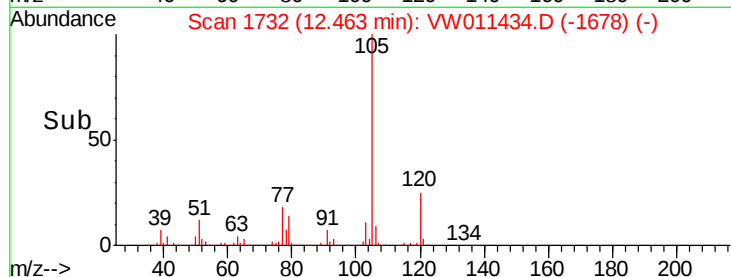
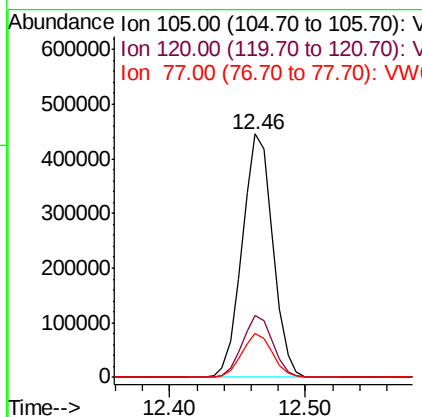
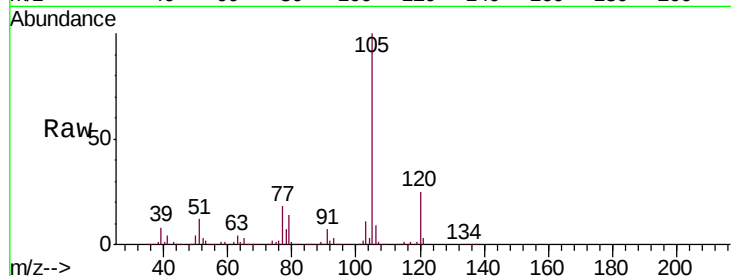
Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion:	105	Resp:	700547
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7
77	18.0	13.3	19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 23.877 ug/L

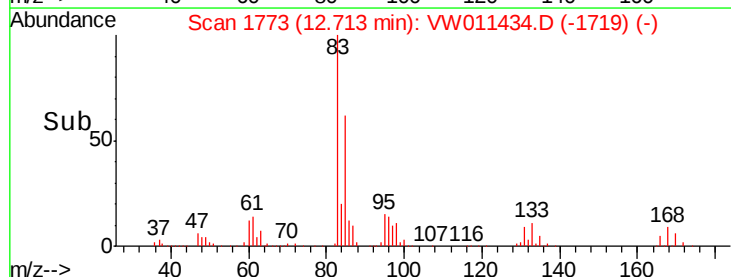
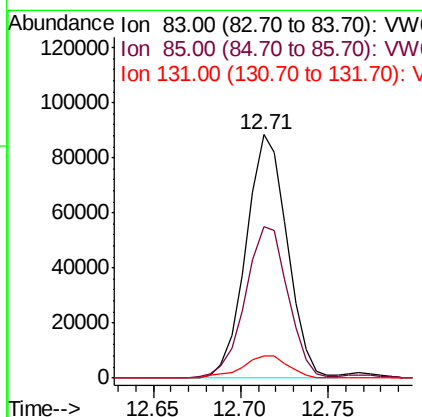
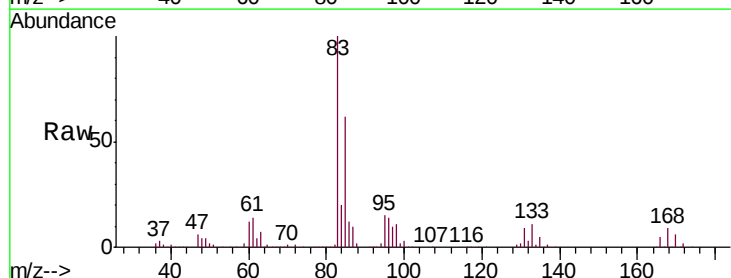
RT: 12.71 min Scan# 1773

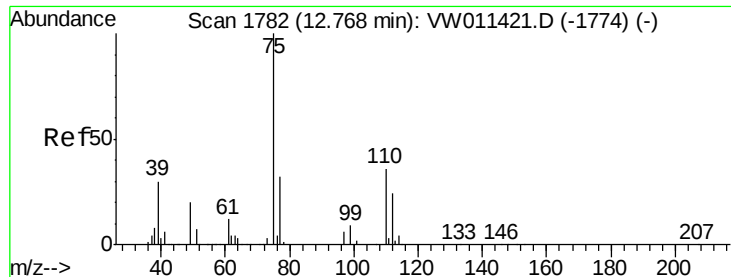
Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Tgt Ion:	83	Resp:	144962
Ion	Ratio	Lower	Upper
83	100		
85	62.2	45.1	83.9
131	8.9	7.0	10.6





#59

1,2,3-Trichloropropane

Concen: 23.851 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

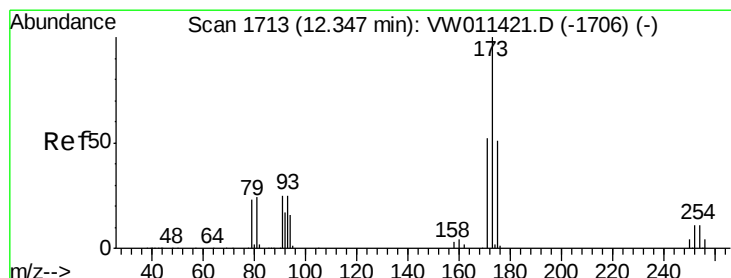
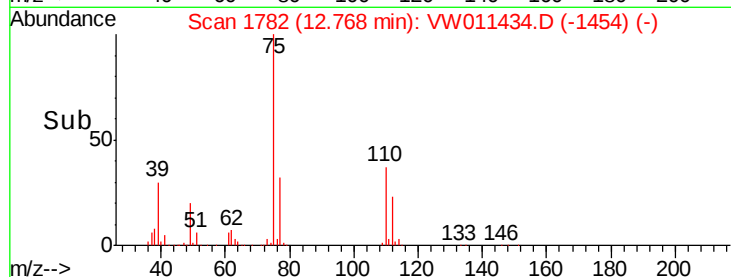
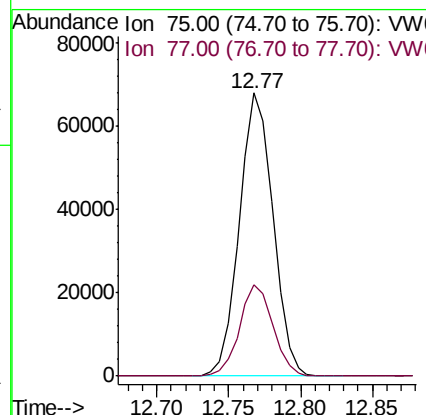
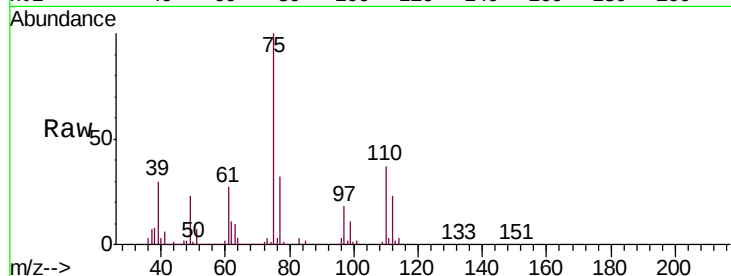
VSTD02517

Tgt Ion: 75 Resp: 110636

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



#62

Bromoform

Concen: 23.880 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

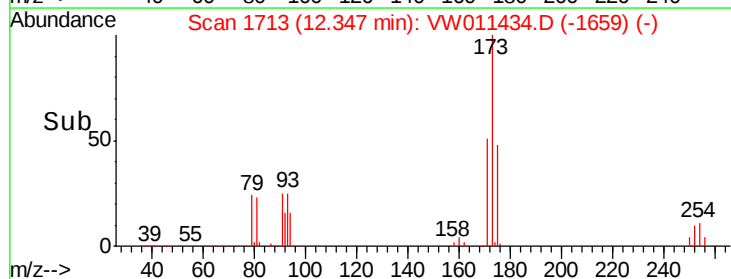
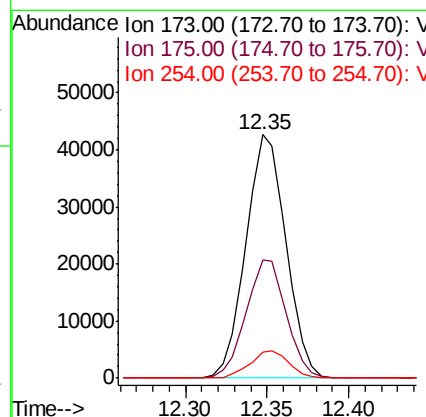
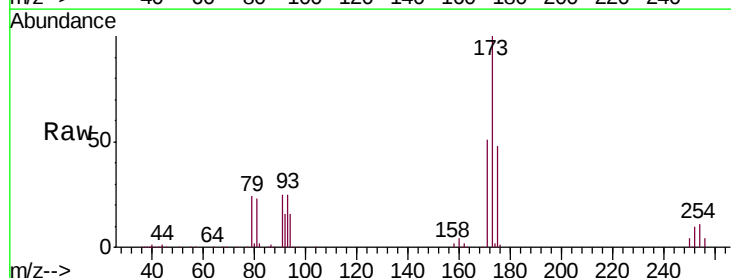
Tgt Ion: 173 Resp: 72964

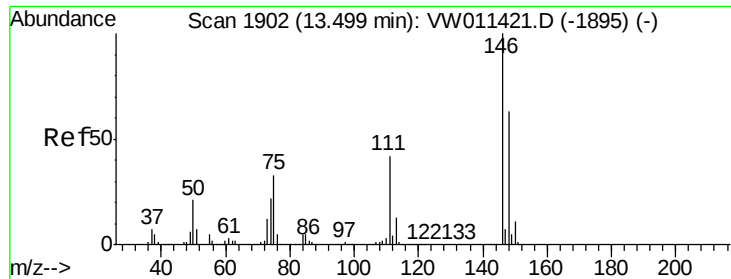
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 11.2 8.5 12.7

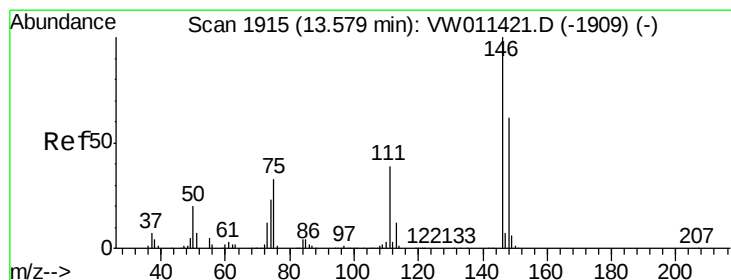
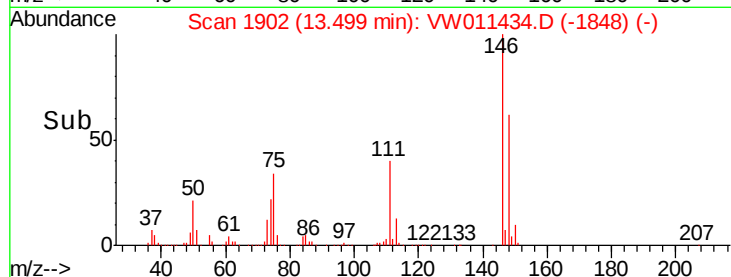
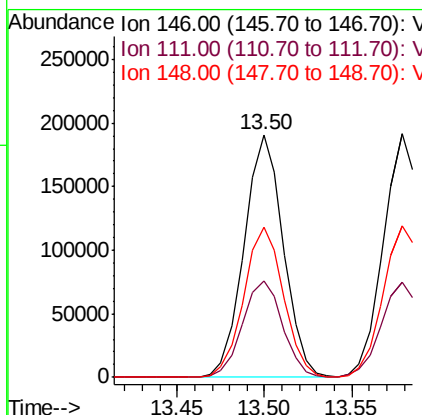
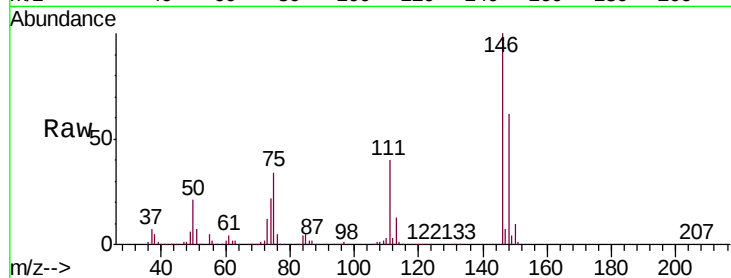




#63
 1,3-Dichlorobenzene
 Concen: 24.299 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

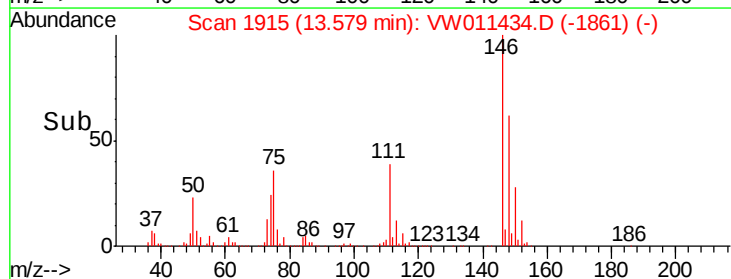
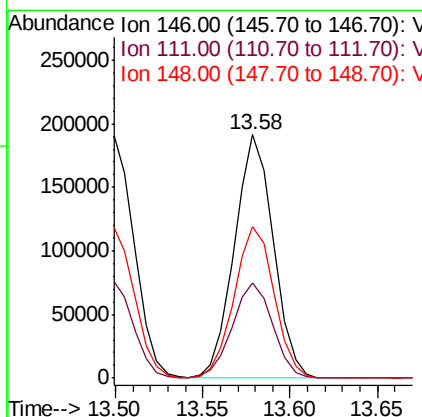
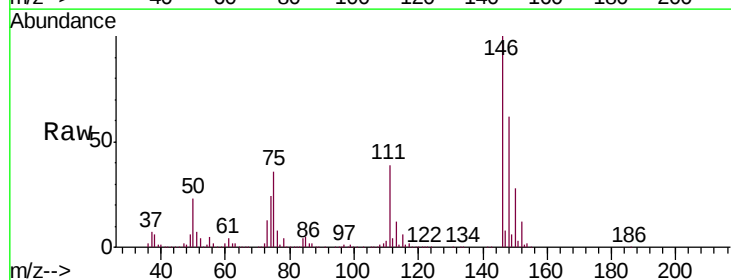
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

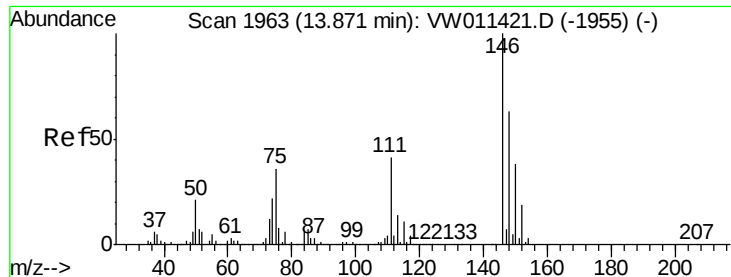
Tgt Ion:146 Resp: 297042
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.0 53.8
 148 62.0 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 23.878 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Tgt Ion:146 Resp: 296476
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.8 51.6
 148 62.4 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 23.803 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

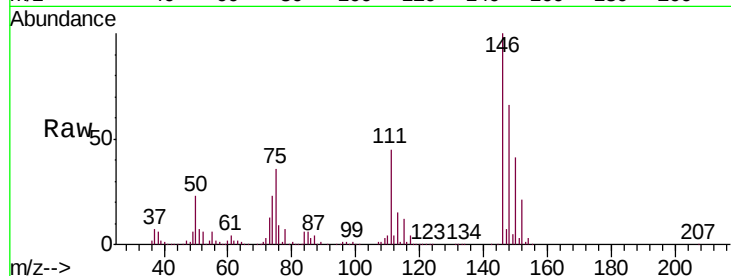
Tgt Ion:146 Resp: 267736

Ion Ratio Lower Upper

146 100

111 44.7 33.8 50.8

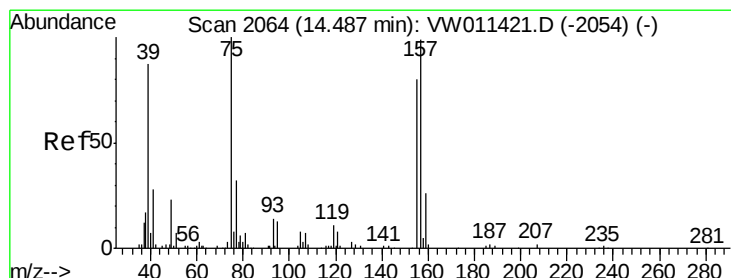
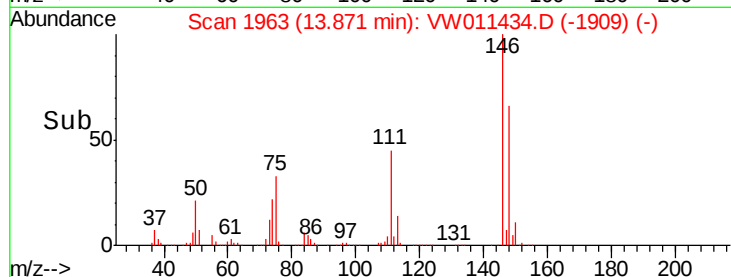
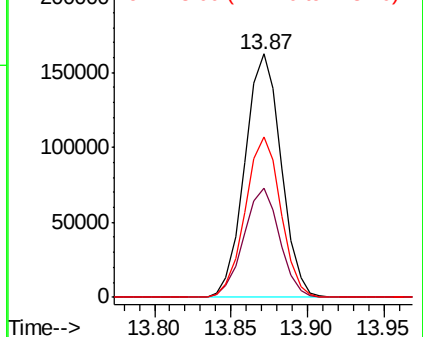
148 65.7 51.6 77.4



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: 23.131 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

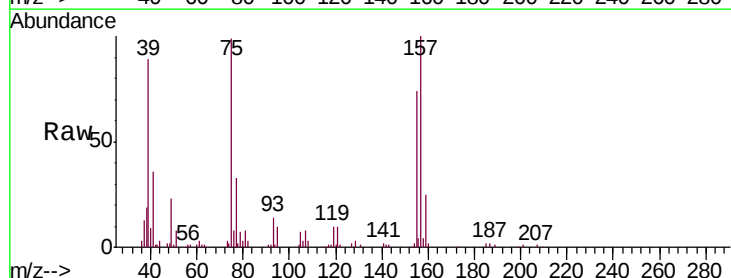
Tgt Ion: 75 Resp: 24799

Ion Ratio Lower Upper

75 100

157 101.0 73.7 110.5

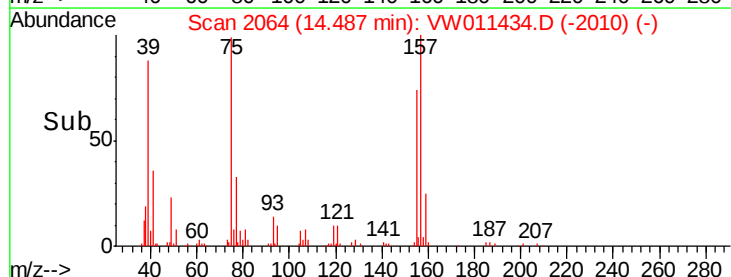
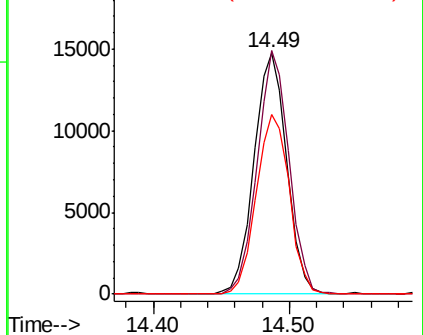
155 74.3 61.0 91.6

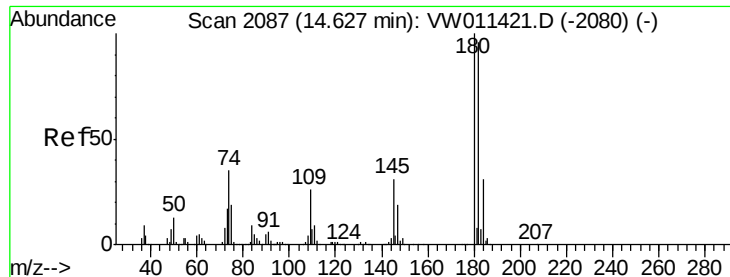


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

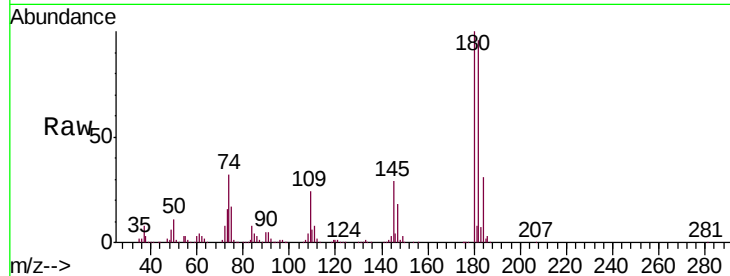




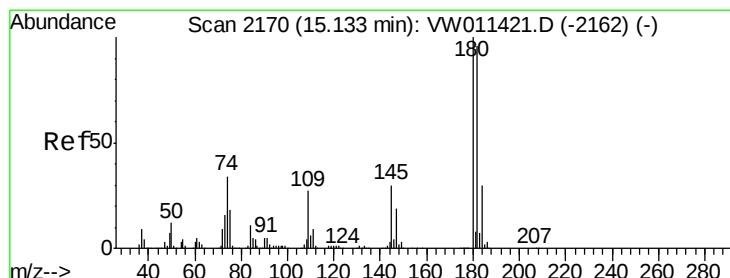
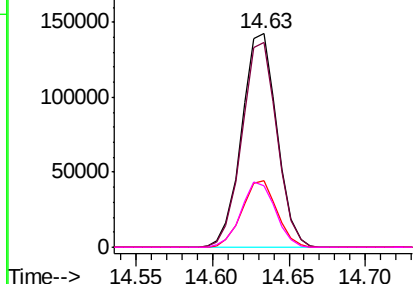
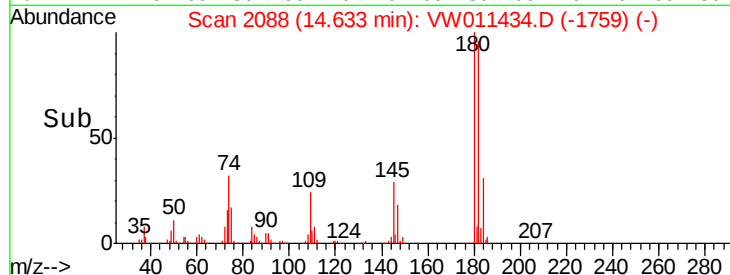
#67
 1,3,5-Trichlorobenzene
 Concen: 24.408 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion:180 Resp: 227609
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.1 114.1
 184 30.8 24.7 37.1
 145 29.8 23.8 35.6

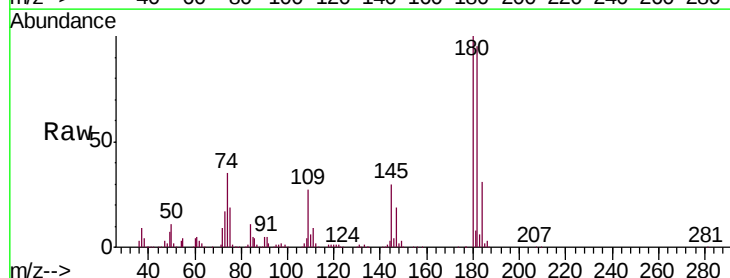


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

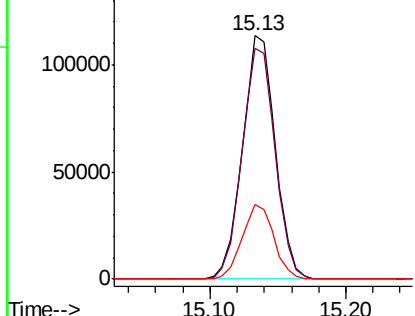
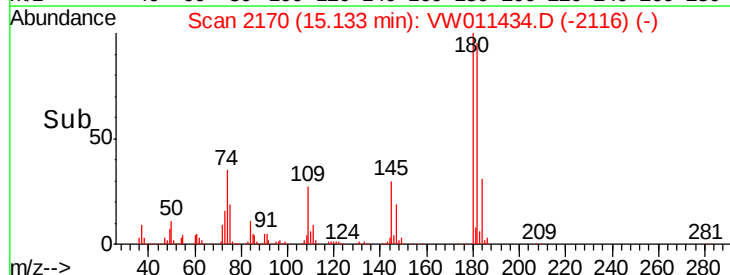


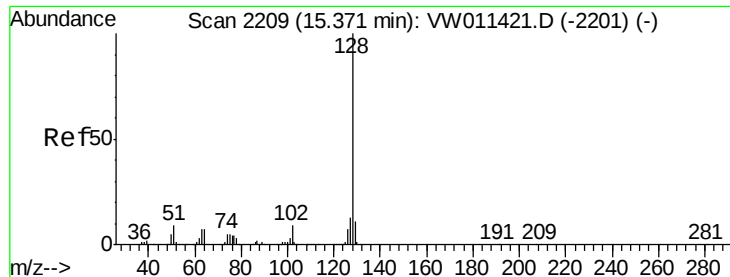
#68
 1,2,4-trichlorobenzene
 Concen: 24.702 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011434.D
 Acq: 23 Jul 2019 09:38

Tgt Ion:180 Resp: 190907
 Ion Ratio Lower Upper
 180 100
 182 95.8 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: 24.903 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

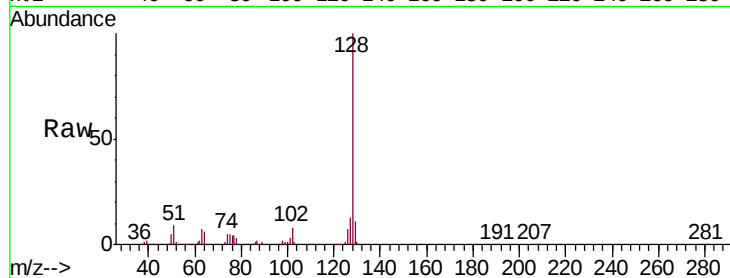
Tgt Ion:128 Resp: 391775

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 13.3 10.5 15.7

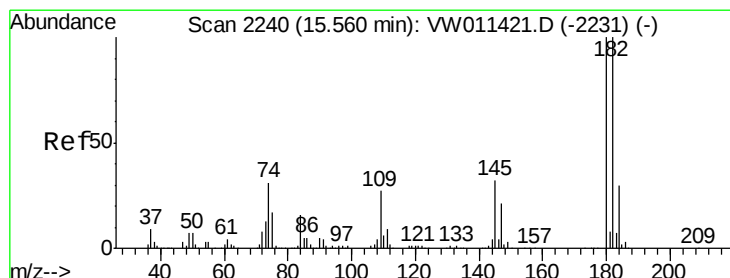
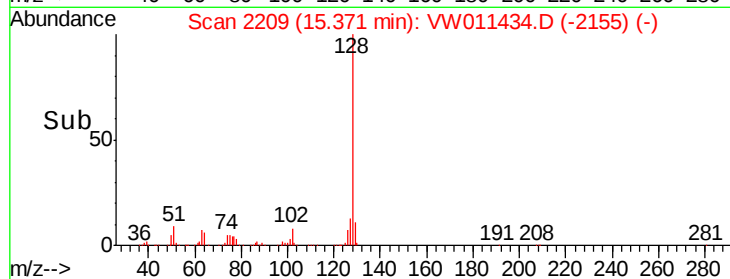
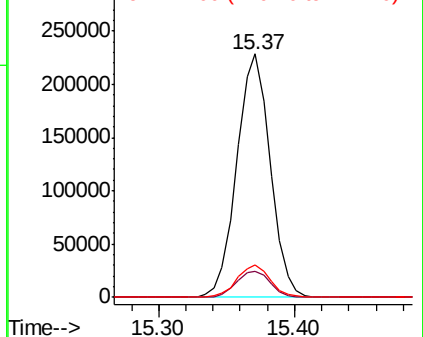


Abundance

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: 24.480 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011434.D

Acq: 23 Jul 2019 09:38

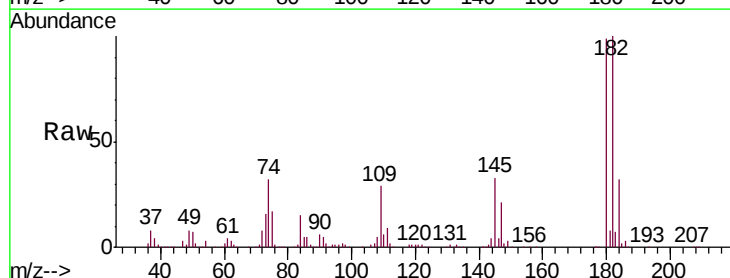
Tgt Ion:180 Resp: 171394

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.8

145 31.9 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

