

Data File : VW014850.D
Acq On : 03 Feb 2020 23:31
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Quant Time: Feb 04 06:58:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 06:54:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1040832	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	917555	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	427929	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	403714	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.04%
7) Chloroethane-d5	2.89	69	307208	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.84%
10) 1,1-Dichloroethene-d2	4.03	63	766886	22.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.56%
20) 2-Butanone-d5	7.07	46	271083	44.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.48%
24) Chloroform-d	7.65	84	693415	20.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.72%
26) 1,2-Dichloroethane-d4	8.31	65	378603	20.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.32%
29) Benzene-d6	8.27	84	1454914	22.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.96%
33) 1,2-Dichloropropane-d6	9.27	67	464447	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	1333045	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.44%
38) trans-1,3-Dichloropropene-	10.57	79	189302	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.24%
39) 2-Hexanone-d5	10.92	63	214042	51.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	368114	22.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	426346	23.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	267882	20.437 ug/L	95
3) Chloromethane	2.21	50	354211	19.714 ug/L	100
5) Vinyl chloride	2.37	62	454336	25.155 ug/L	100
6) Bromomethane	2.78	94	227975	21.569 ug/L	99
8) Chloroethane	2.93	64	246144	20.990 ug/L	100
9) Trichlorofluoromethane	3.25	101	176761	16.810 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	374729	23.251 ug/L	97
12) 1,1-Dichloroethene	4.04	96	365180	24.025 ug/L	98
13) Acetone	4.12	43	182591	27.556 ug/L	96
14) Carbon disulfide	4.39	76	1073730	23.273 ug/L	98
15) Methyl Acetate	4.67	43	222763	22.463 ug/L	98
16) Methylene chloride	4.92	84	387893	20.183 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	487853	25.290 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	363682	23.315 ug/L	97
19) 1,1-Dichloroethane	6.21	63	711837	22.474 ug/L	98
21) 2-Butanone	7.17	43	295810	41.601 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	391113	24.258 ug/L	97

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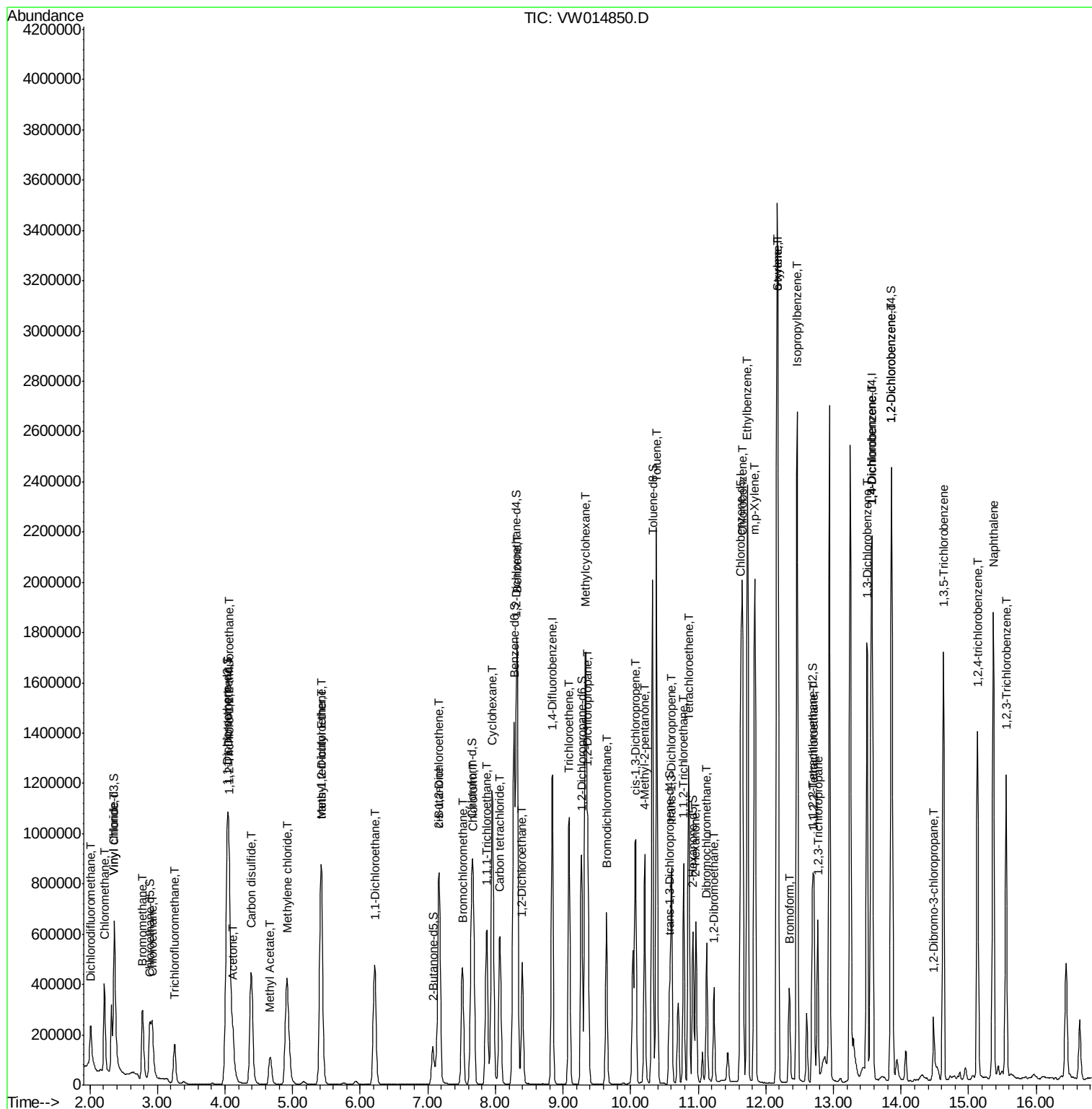
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	161404	23.410	ug/L	88
25) Chloroform	7.68	83	653207	22.589	ug/L	100
27) 1,2-Dichloroethane	8.40	62	437753	21.668	ug/L	98
30) Cyclohexane	7.95	56	723212	26.079	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	507834	23.584	ug/L	98
32) Carbon tetrachloride	8.07	117	458695	23.450	ug/L	100
34) Benzene	8.32	78	1528199	23.785	ug/L	100
35) Trichloroethene	9.09	95	382895	24.131	ug/L	98
36) Methylcyclohexane	9.33	83	714171	25.698	ug/L	95
40) 1,2-Dichloropropane	9.37	63	401709	23.182	ug/L	100
41) Bromodichloromethane	9.64	83	465910	23.464	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	594829	24.661	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	625926	49.194	ug/L	97
44) Toluene	10.38	91	1592578	24.775	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	478965	24.131	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	281372	24.538	ug/L	98
47) Tetrachloroethene	10.86	164	288996	24.414	ug/L	96
49) 2-Hexanone	10.96	43	429899	48.968	ug/L	97
50) Dibromochloromethane	11.13	129	303553	24.624	ug/L	98
51) 1,2-Dibromoethane	11.23	107	266394	24.708	ug/L #	98
52) Chlorobenzene	11.65	112	958420	24.440	ug/L	100
53) Ethylbenzene	11.73	91	1725030	24.767	ug/L	99
54) m,p-Xylene	11.84	106	647432	25.401	ug/L	96
55) o-xylene	12.16	106	620922	26.149	ug/L	97
56) Styrene	12.18	104	1067103	26.391	ug/L	98
57) Isopropylbenzene	12.46	105	1698595	26.453	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	363439	24.145	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	272569	23.653	ug/L	99
62) Bromoform	12.35	173	173060	24.466	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	715985	24.946	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	703978	24.333	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	662826	25.366	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	66752	26.172	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	530207	26.071	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	452944	28.508	ug/L	97
69) Naphthalene	15.36	128	1581200	49.051	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	418125	28.477	ug/L	100

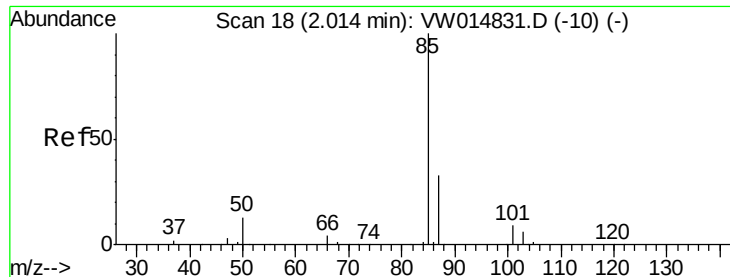
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.437 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

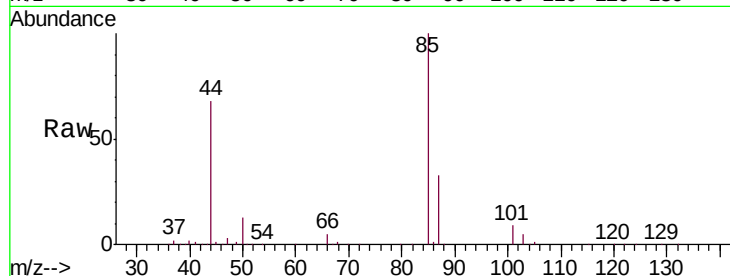
VSTD02510

Tgt Ion: 85 Resp: 267882

Ion Ratio Lower Upper

85 100

87 32.9 21.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

100000

80000

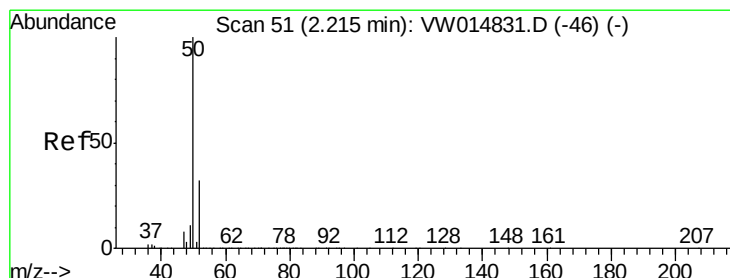
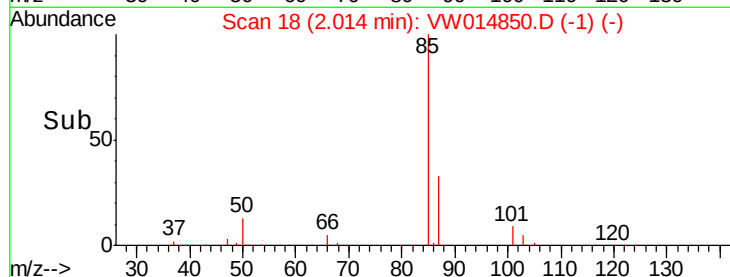
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 19.714 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014850.D

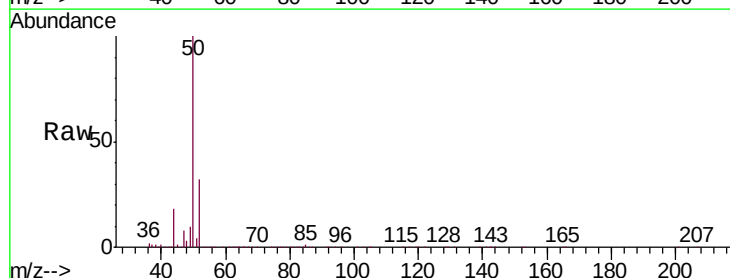
Acq: 03 Feb 2020 23:31

Tgt Ion: 50 Resp: 354211

Ion Ratio Lower Upper

50 100

52 32.5 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

250000

200000

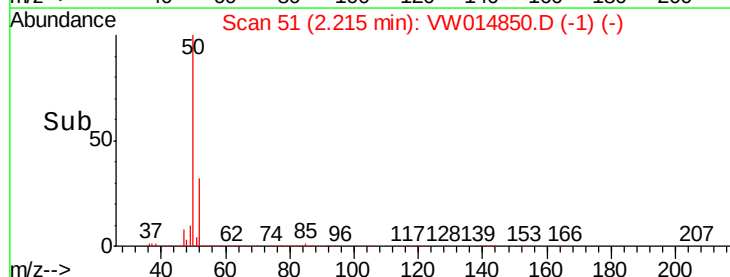
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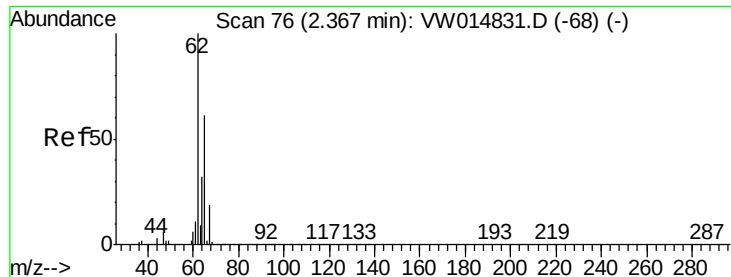
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 25.155 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

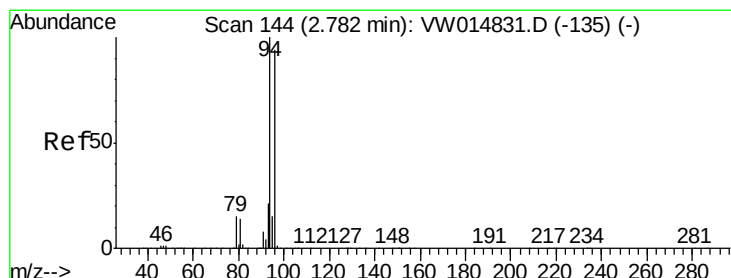
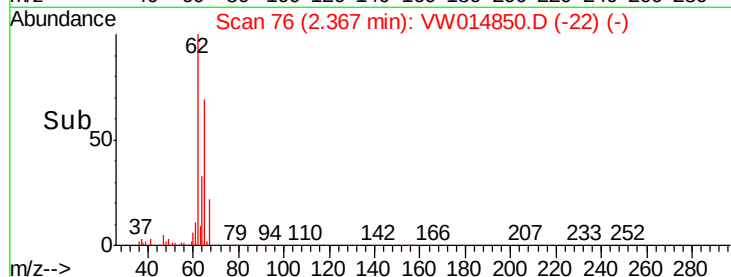
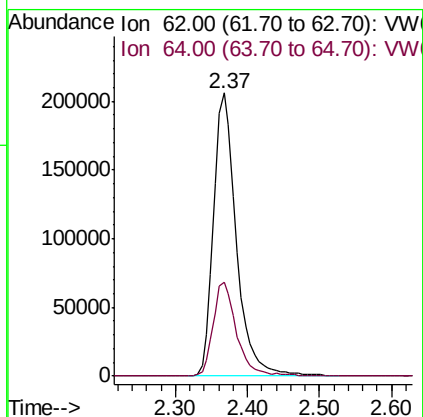
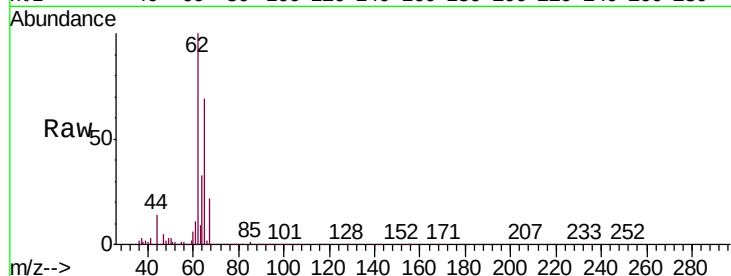
VSTD02510

Tgt Ion: 62 Resp: 454336

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.0



#6

Bromomethane

Concen: 21.569 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014850.D

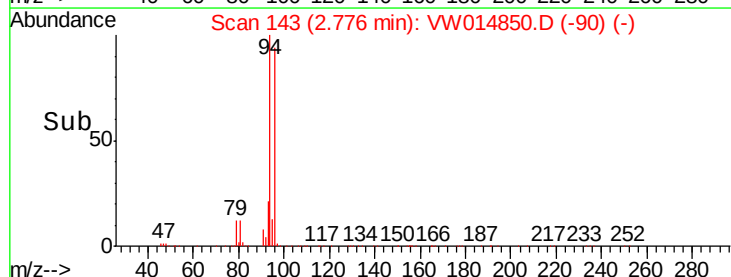
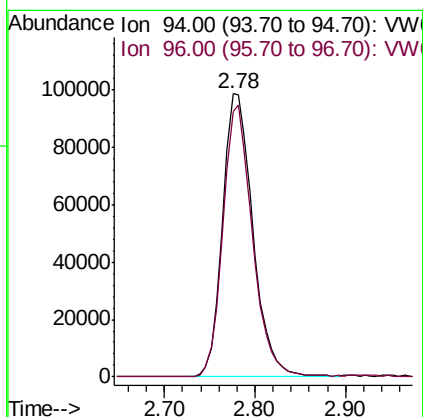
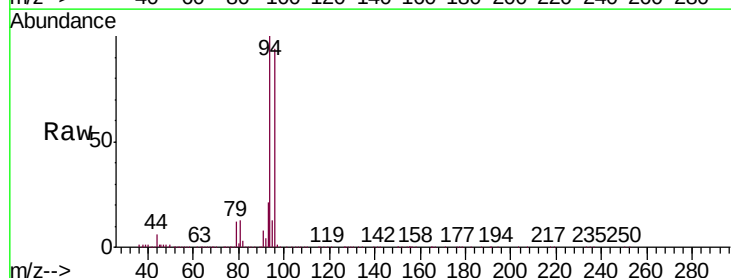
Acq: 03 Feb 2020 23:31

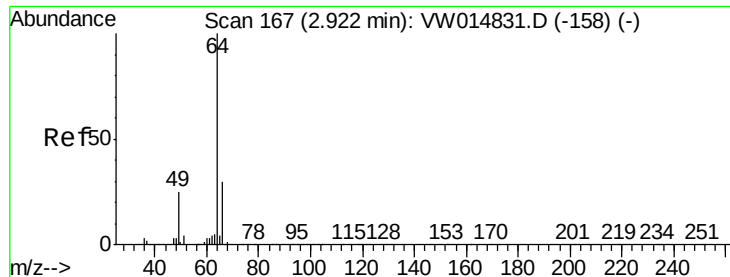
Tgt Ion: 94 Resp: 227975

Ion Ratio Lower Upper

94 100

96 93.9 9.5 179.9

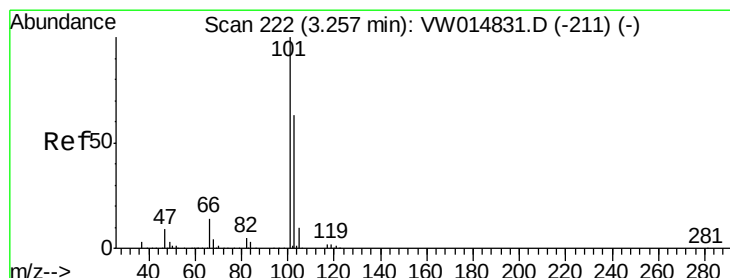
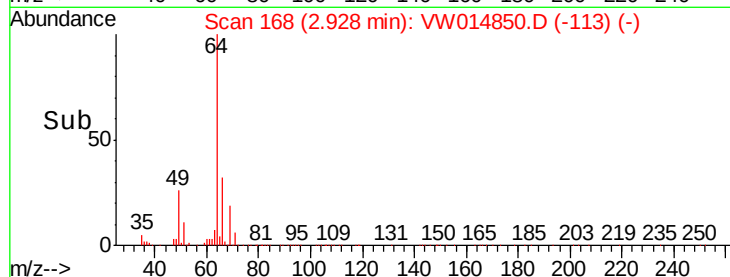
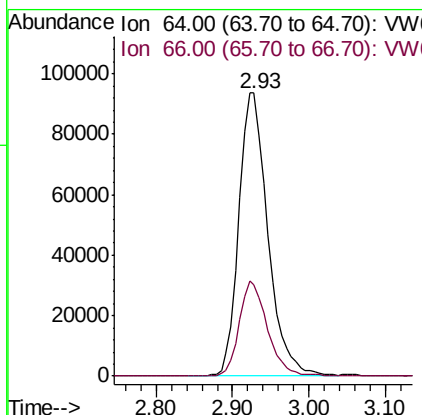
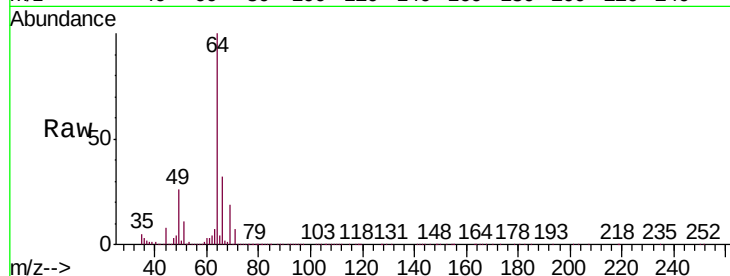




#8
Chloroethane
Concen: 20.990 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

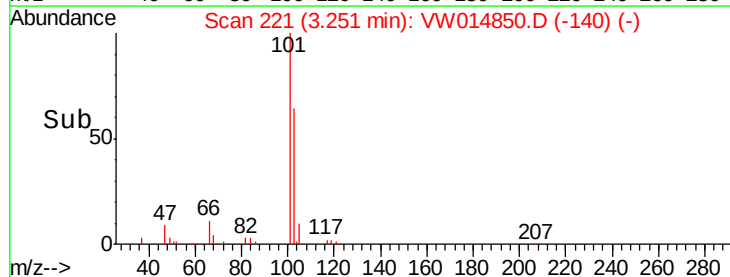
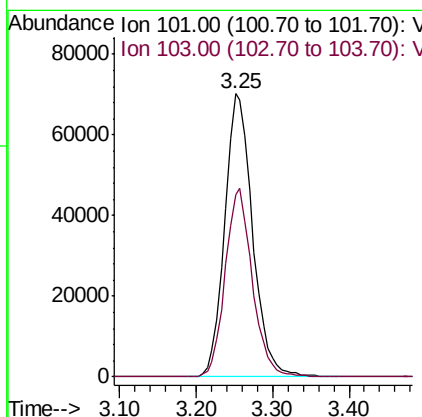
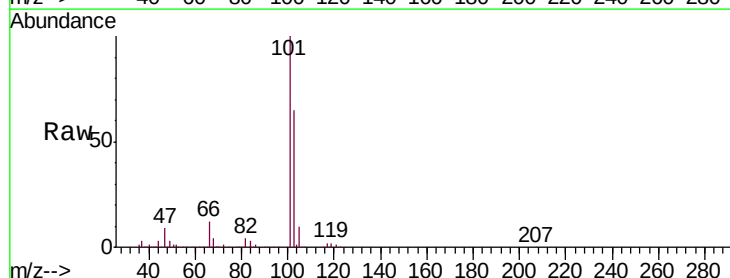
Instrument :
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VSTD02510

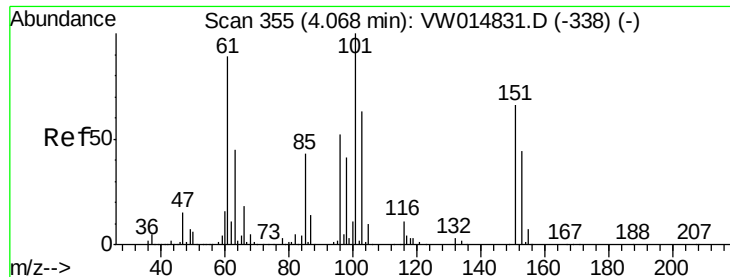
Tgt Ion: 64 Resp: 246144
Ion Ratio Lower Upper
64 100
66 32.3 22.5 41.7



#9
Trichlorofluoromethane
Concen: 16.810 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Tgt Ion: 101 Resp: 176761
Ion Ratio Lower Upper
101 100
103 64.6 45.4 84.4





#11

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

Concen: 23.251 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

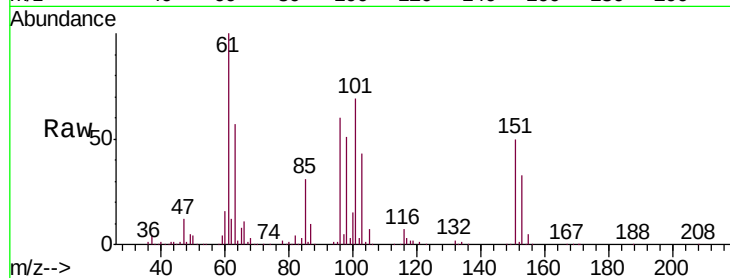
Tgt Ion: 101 Resp: 374729

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

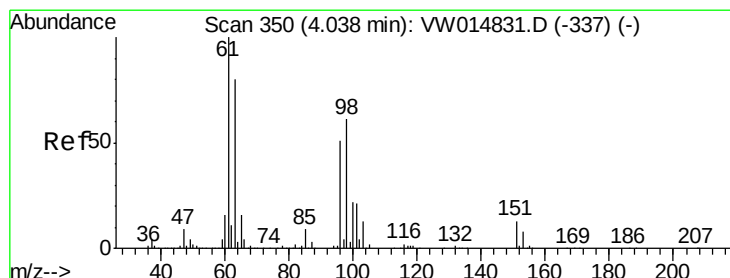
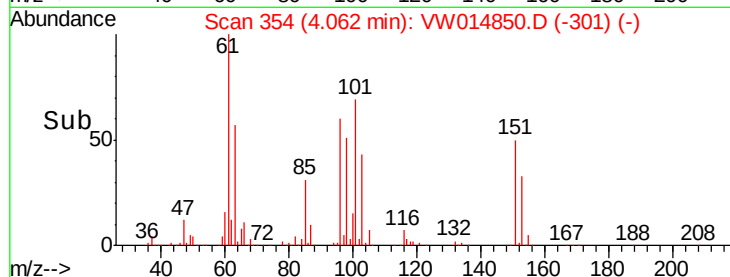
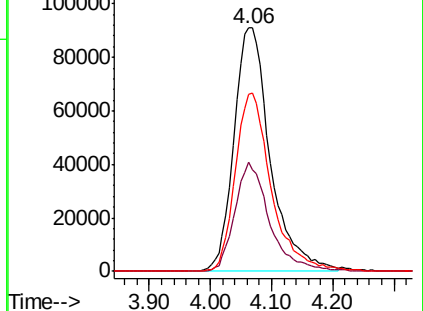
151 72.1 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.025 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014850.D

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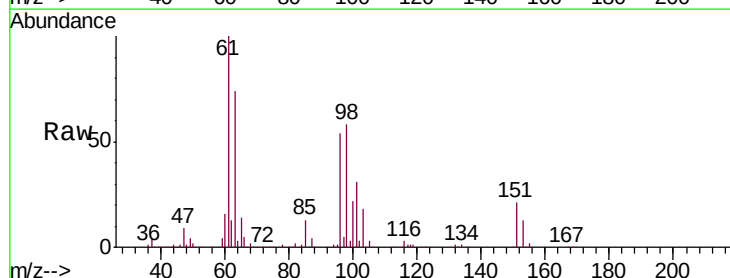
Tgt Ion: 96 Resp: 365180

Ion Ratio Lower Upper

96 100

61 185.3 131.5 244.3

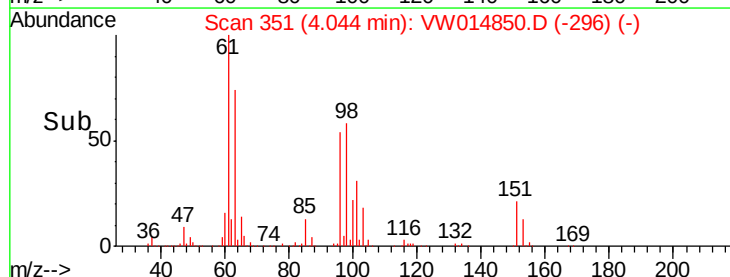
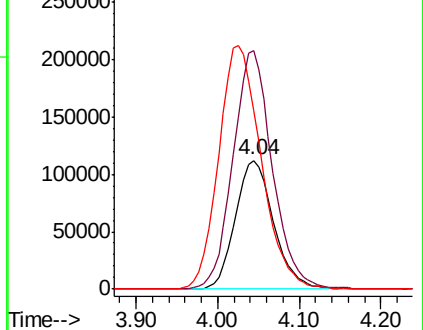
63 137.9 98.8 183.4

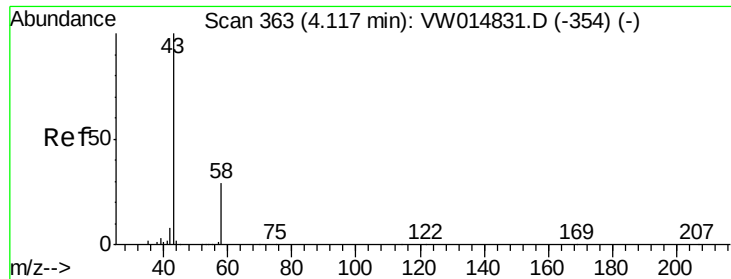


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 27.556 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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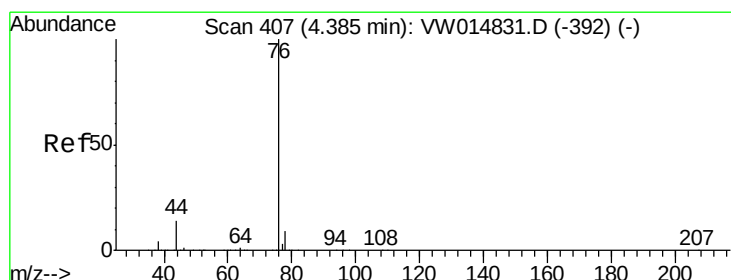
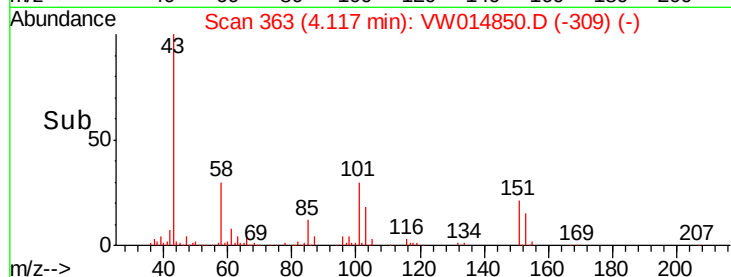
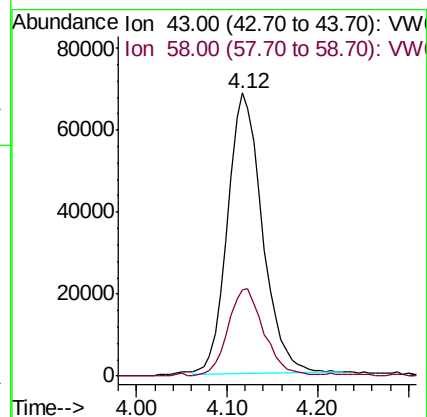
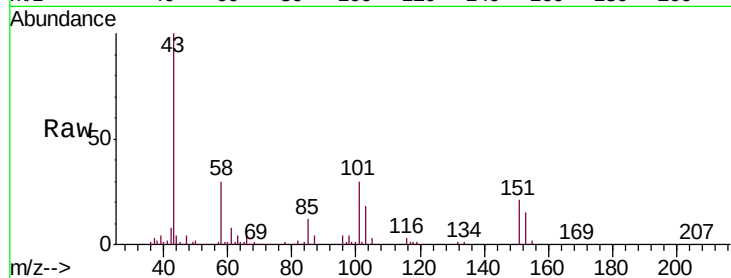
VSTD02510

Tgt Ion: 43 Resp: 182591

Ion Ratio Lower Upper

43 100

58 32.3 0.0 60.2



#14

Carbon disulfide

Concen: 23.273 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014850.D

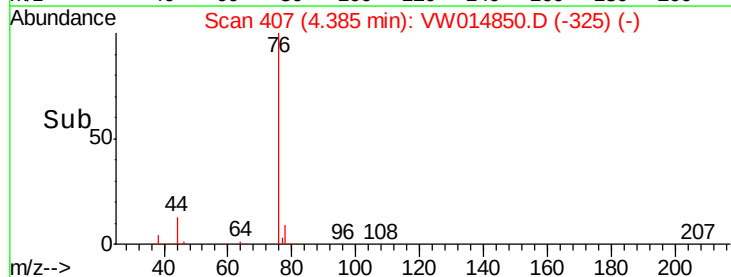
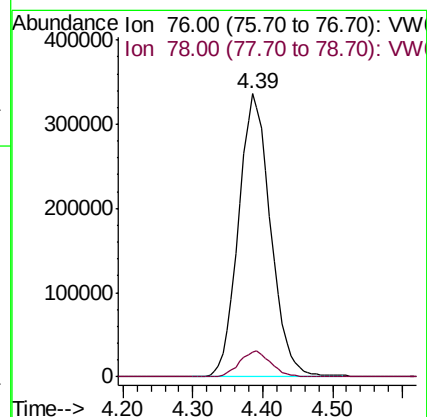
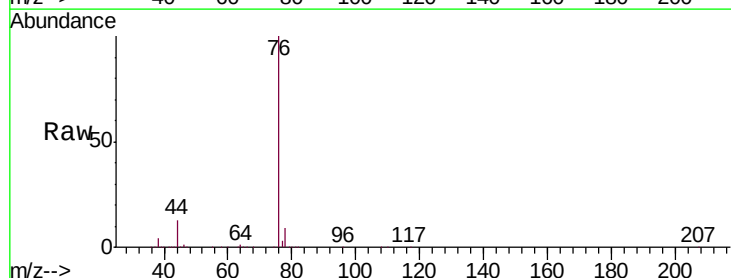
Acq: 03 Feb 2020 23:31

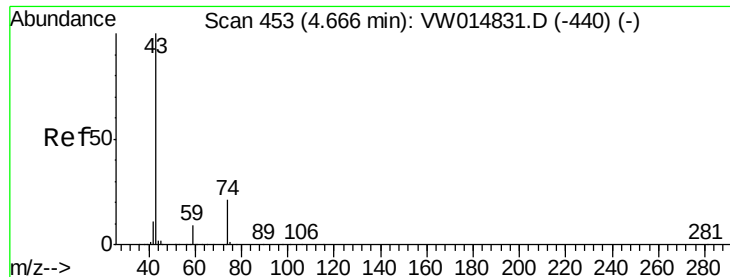
Tgt Ion: 76 Resp: 1073730

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

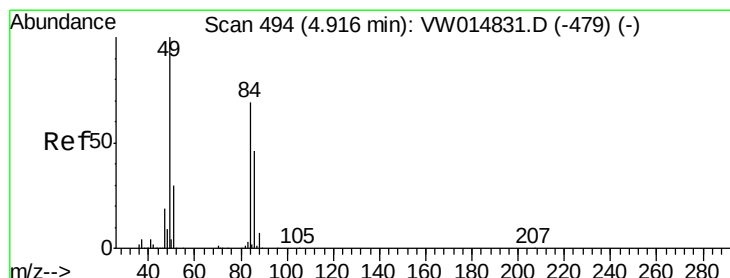
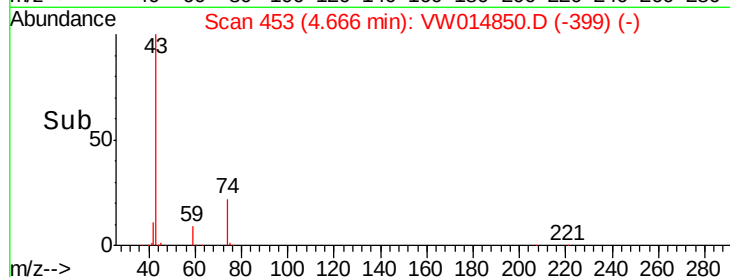
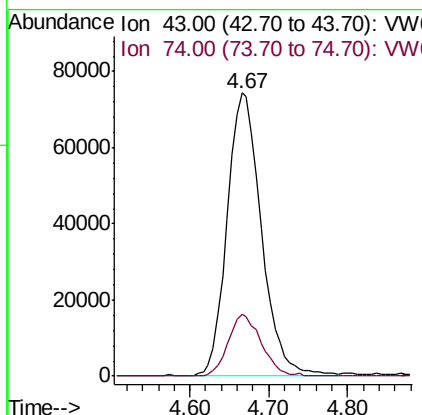
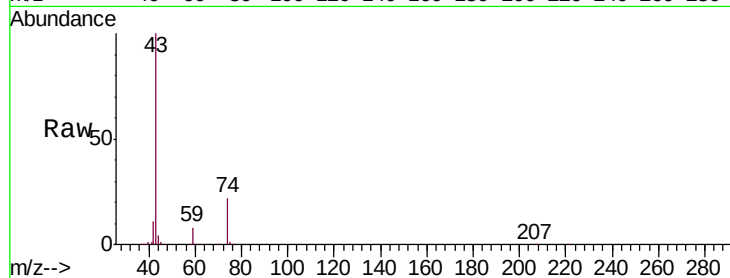




#15
Methyl Acetate
Concen: 22.463 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

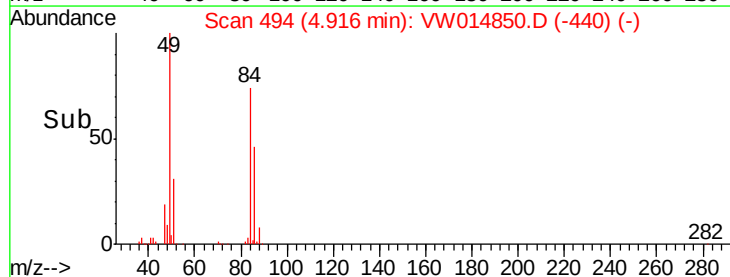
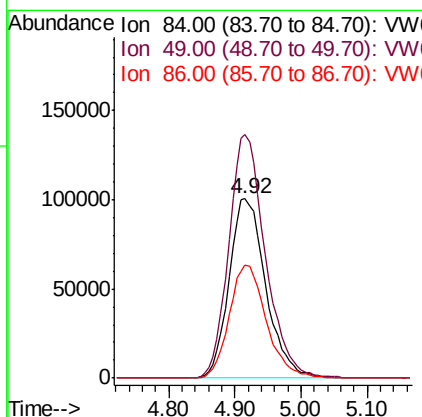
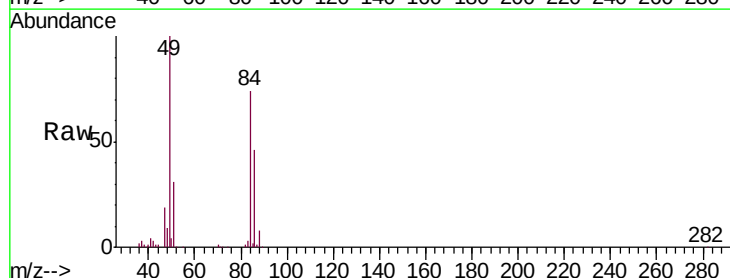
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

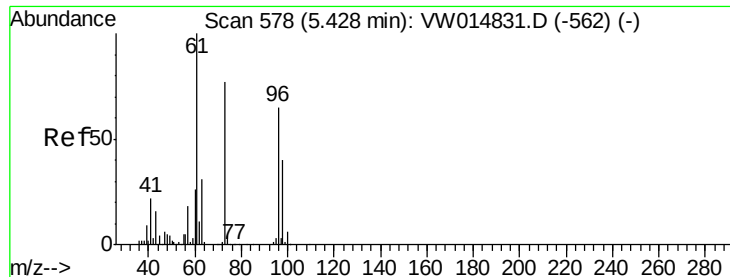
Tgt Ion: 43 Resp: 222763
Ion Ratio Lower Upper
43 100
74 21.2 16.3 24.5



#16
Methylene chloride
Concen: 20.183 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Tgt Ion: 84 Resp: 387893
Ion Ratio Lower Upper
84 100
49 135.7 96.6 179.4
86 62.8 43.8 81.4

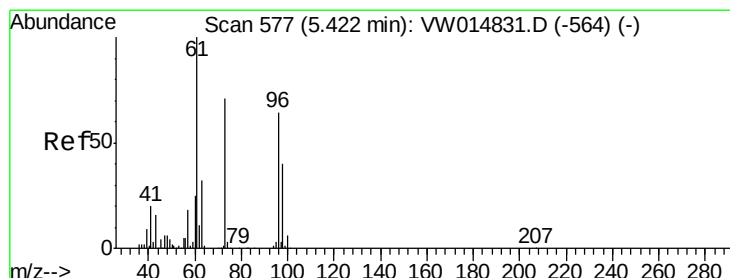
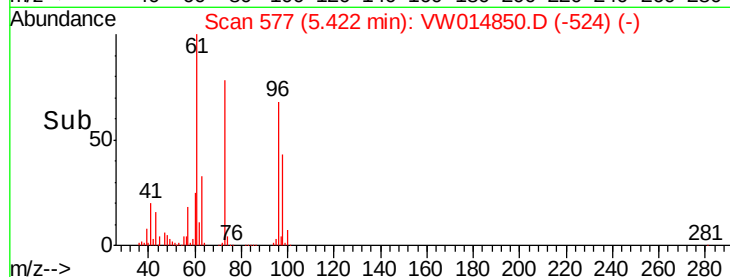
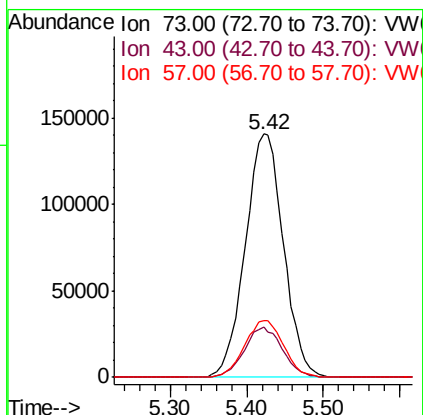
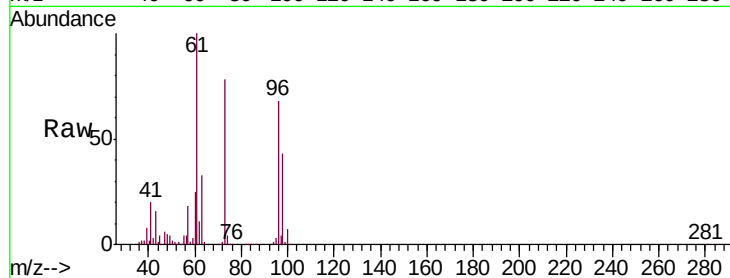




#17
Methyl tert-butyl Ether
Concen: 25.290 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

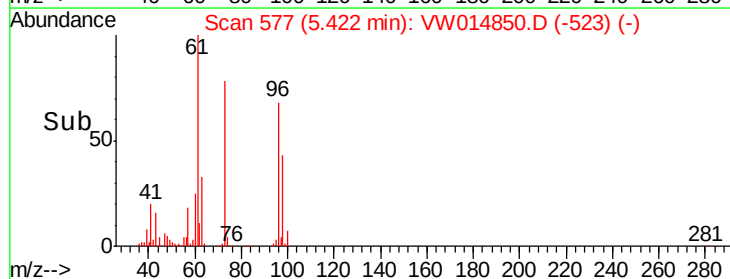
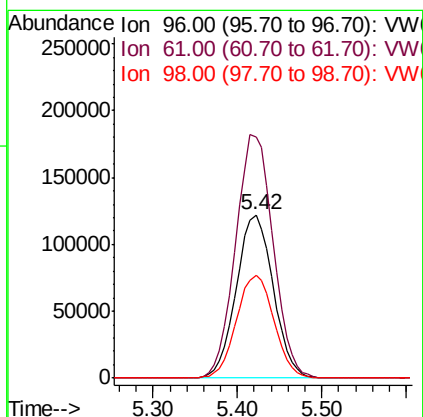
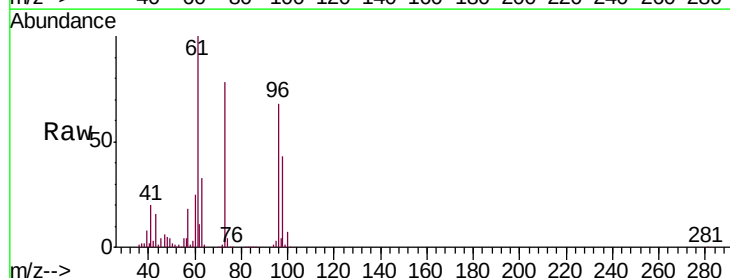
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

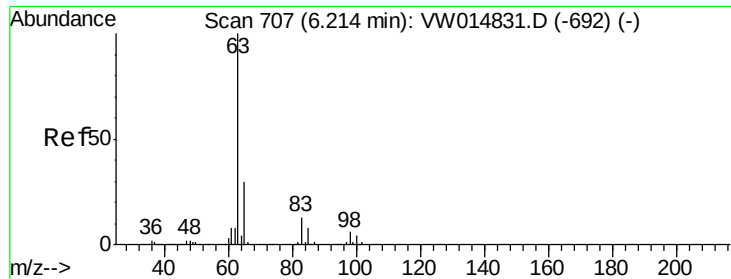
Tgt Ion: 73 Resp: 487853
Ion Ratio Lower Upper
73 100
43 20.9 17.6 26.4
57 23.8 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 23.315 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Tgt Ion: 96 Resp: 363682
Ion Ratio Lower Upper
96 100
61 147.5 106.3 197.3
98 63.0 43.5 80.9

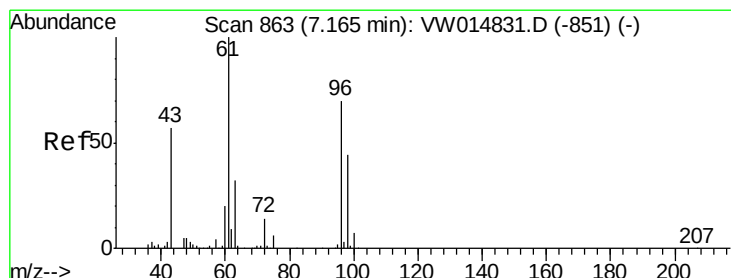
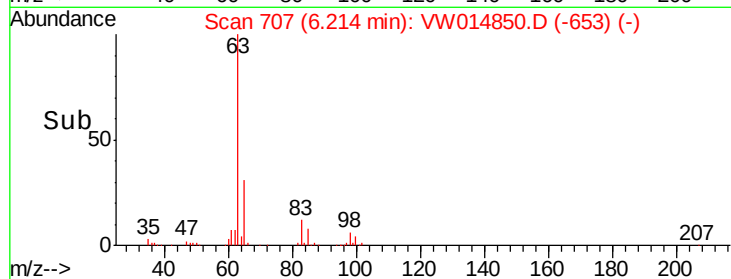
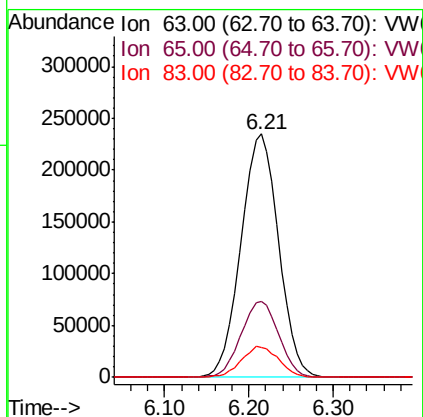
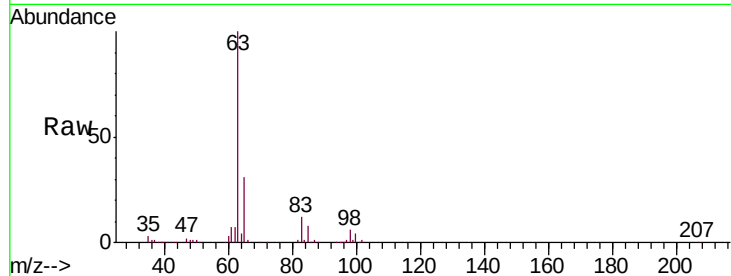




#19
 1,1-Dichloroethane
 Concen: 22.474 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

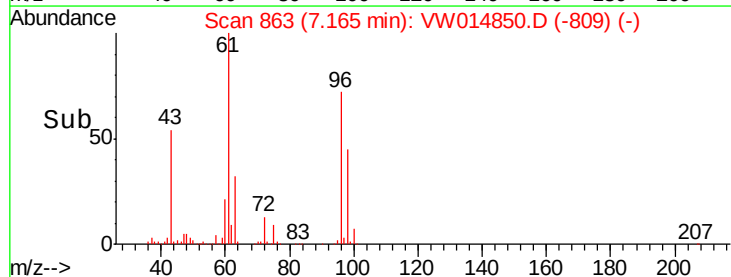
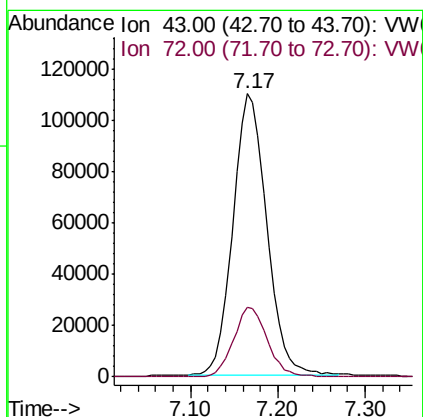
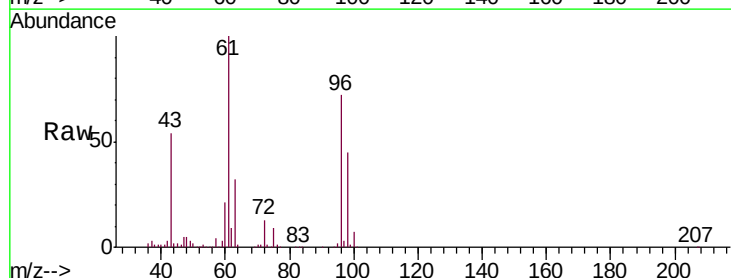
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

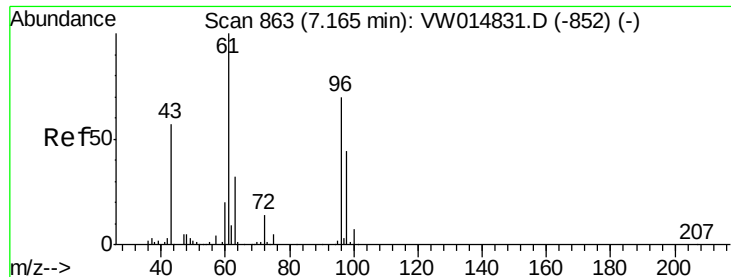
Tgt Ion: 63 Resp: 711837
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.0 42.6
 83 12.4 9.0 16.6



#21
 2-Butanone
 Concen: 41.601 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion: 43 Resp: 295810
 Ion Ratio Lower Upper
 43 100
 72 24.8 11.7 35.0



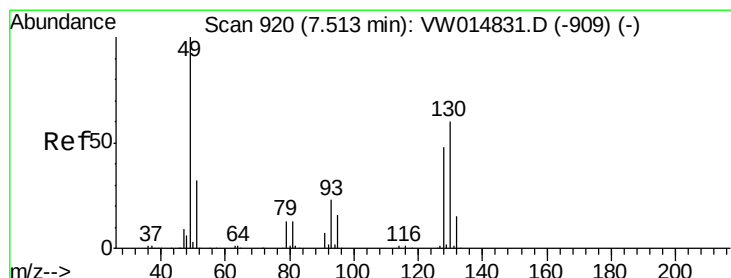
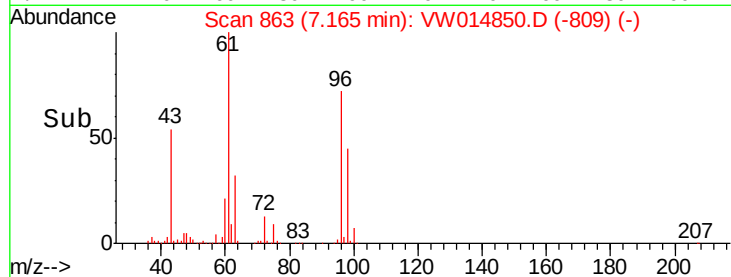
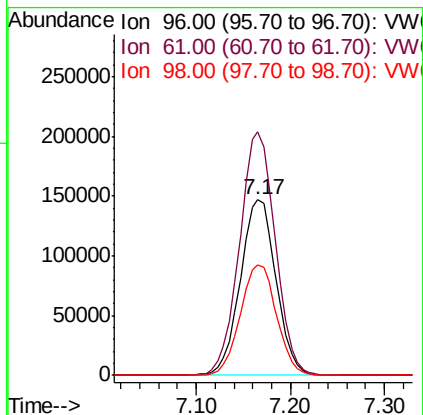
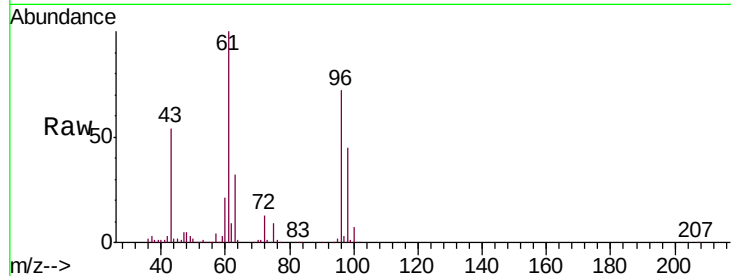


#22

cis-1,2-Dichloroethene
Concen: 24.258 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Instrument :
MSVOA_W
ClientSampled :
VSTD02510

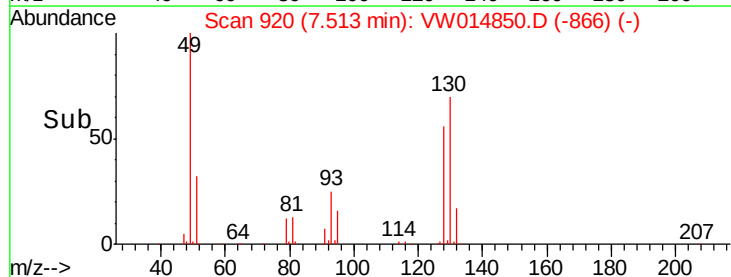
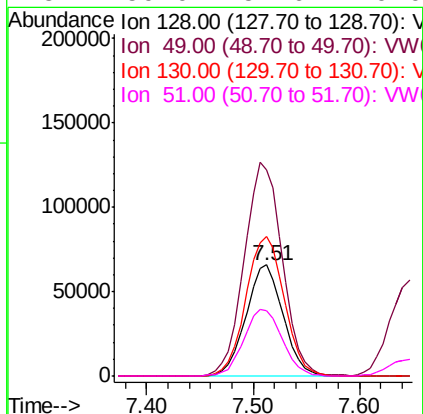
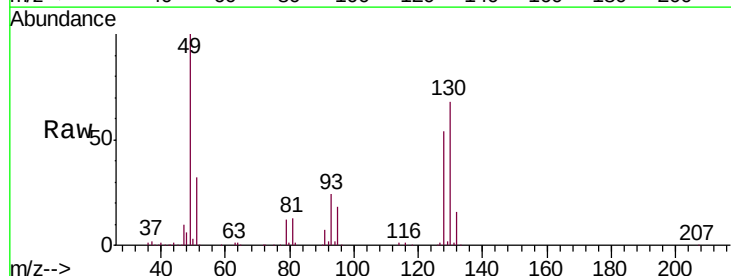
Tgt Ion: 96 Resp: 391113
Ion Ratio Lower Upper
96 100
61 138.9 100.6 186.8
98 63.1 44.0 81.8

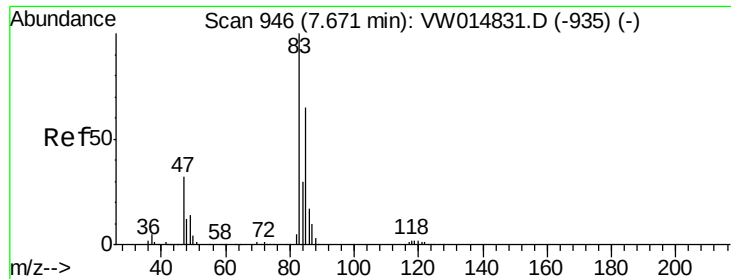


#23

Bromochloromethane
Concen: 23.410 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Tgt Ion: 128 Resp: 161404
Ion Ratio Lower Upper
128 100
49 184.9 150.7 279.9
130 126.0 90.6 168.3
51 59.0 52.6 79.0

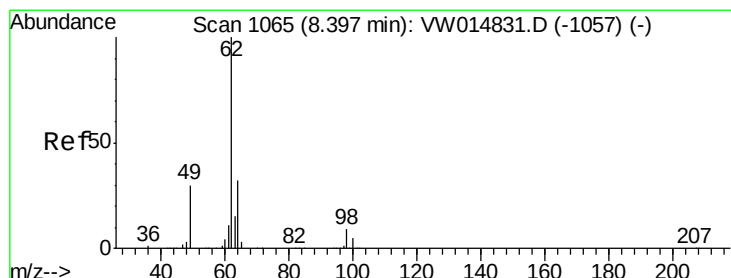
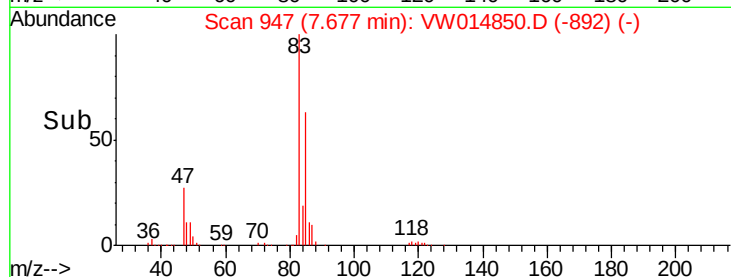
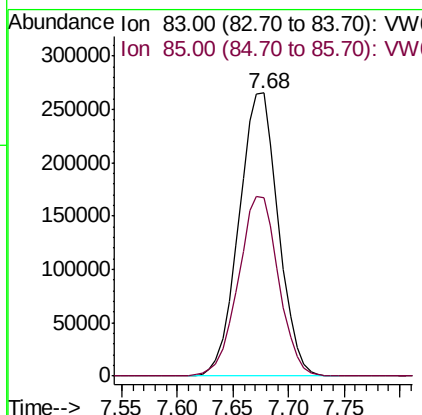
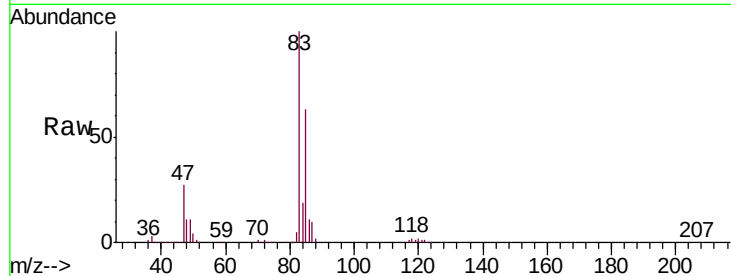




#25
Chloroform
Concen: 22.589 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

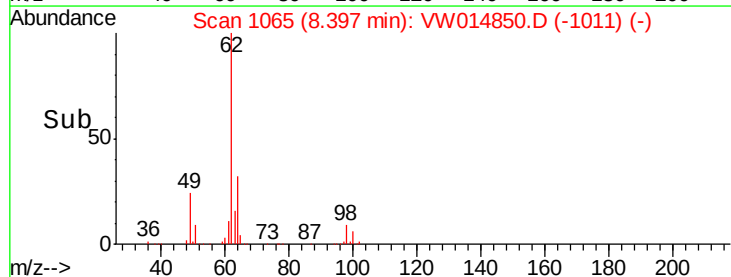
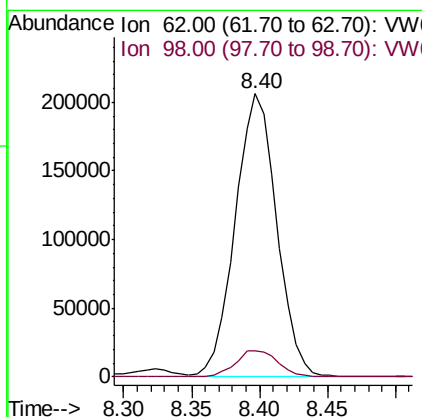
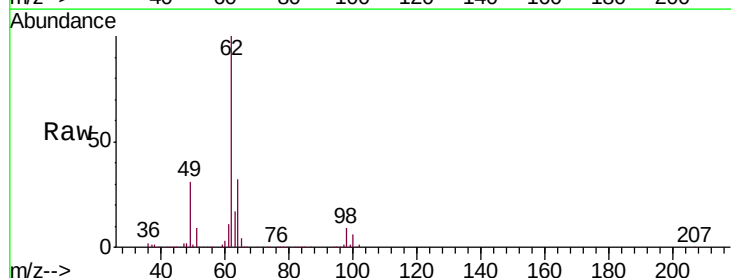
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

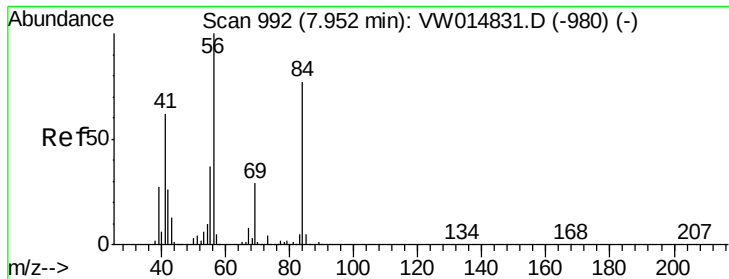
Tgt Ion: 83 Resp: 653207
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 21.668 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Tgt Ion: 62 Resp: 437753
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2





#30

Cyclohexane

Concen: 26.079 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

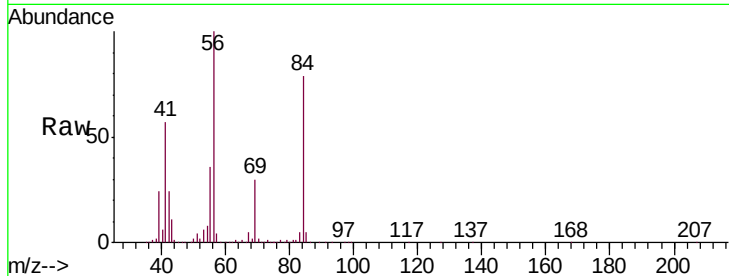
Tgt Ion: 56 Resp: 723212

Ion Ratio Lower Upper

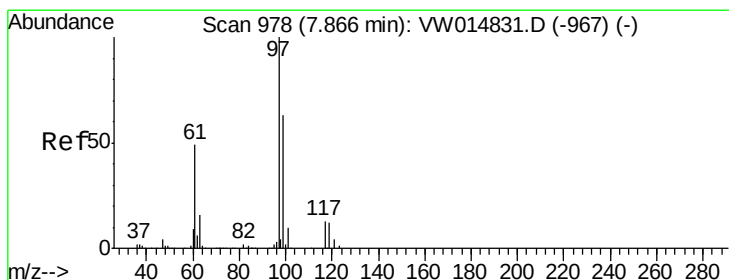
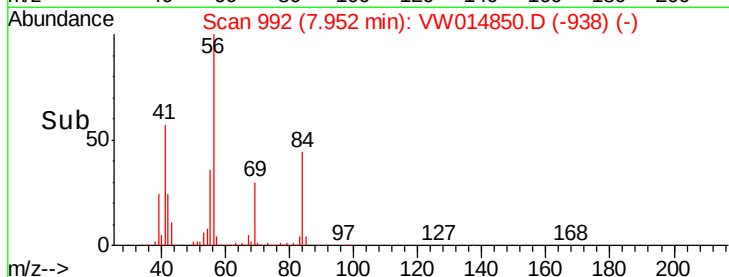
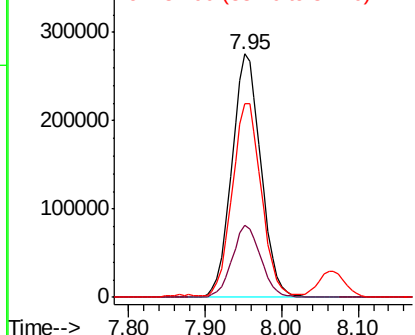
56 100

69 29.1 22.6 33.8

84 80.4 62.2 93.4



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: 23.584 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

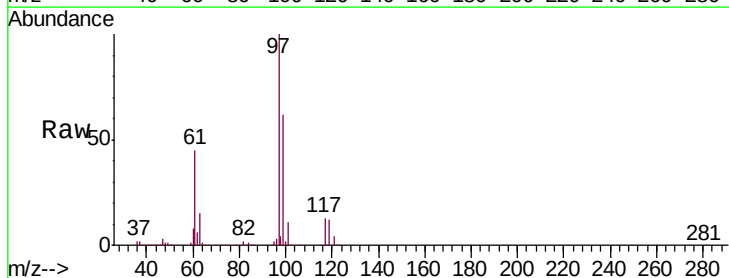
Tgt Ion: 97 Resp: 507834

Ion Ratio Lower Upper

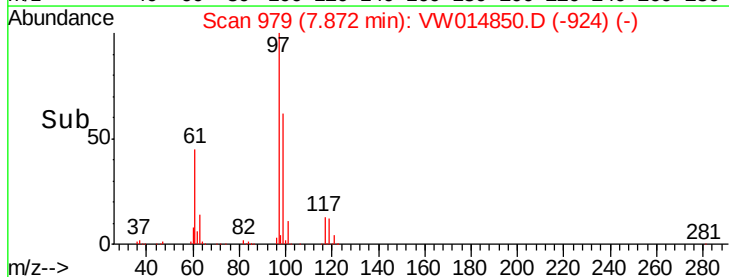
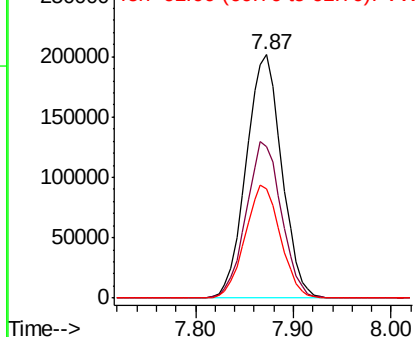
97 100

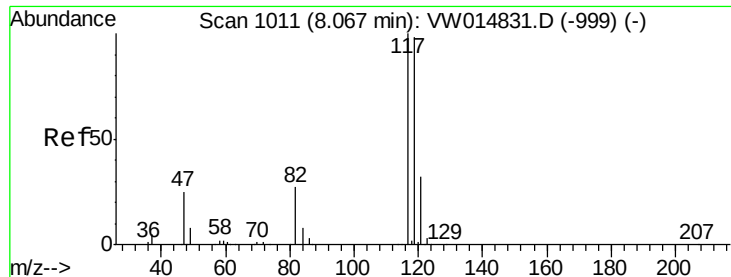
99 64.0 51.4 77.0

61 46.2 39.0 58.4



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: 23.450 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

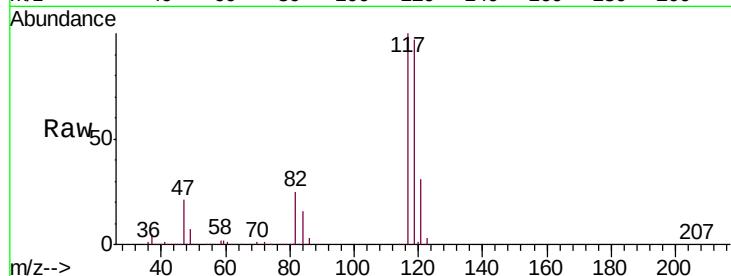
VSTD02510

Tgt Ion:117 Resp: 458695

Ion Ratio Lower Upper

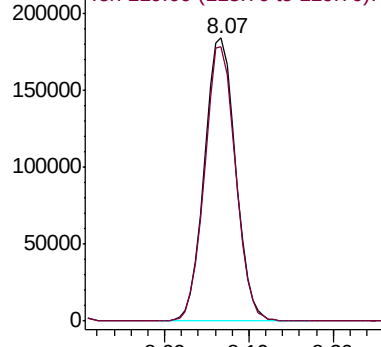
117 100

119 96.4 77.0 115.4

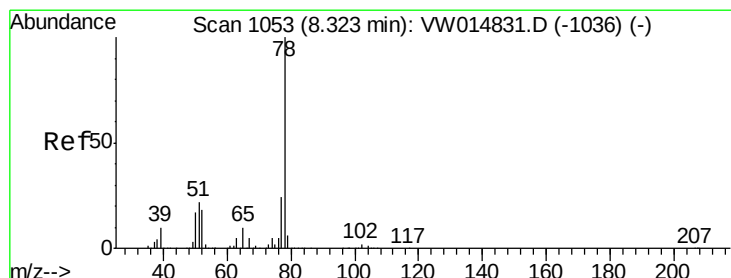
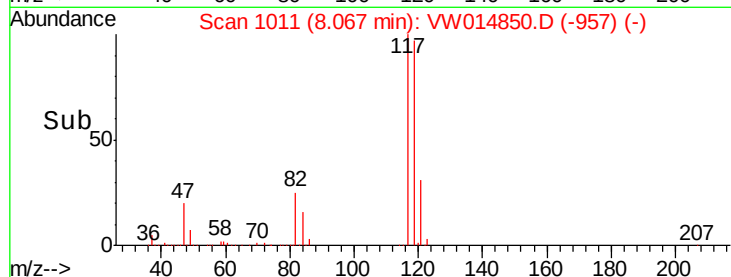


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 23.785 ug/L

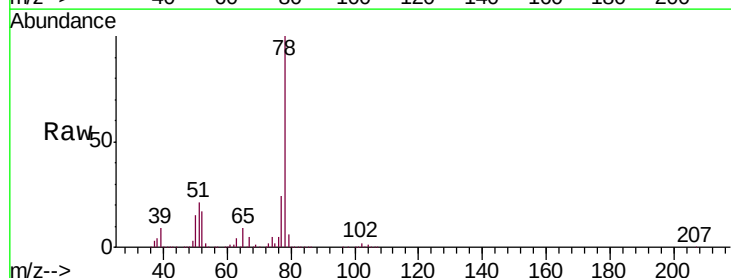
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

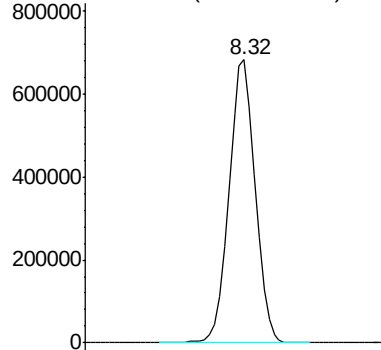
Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

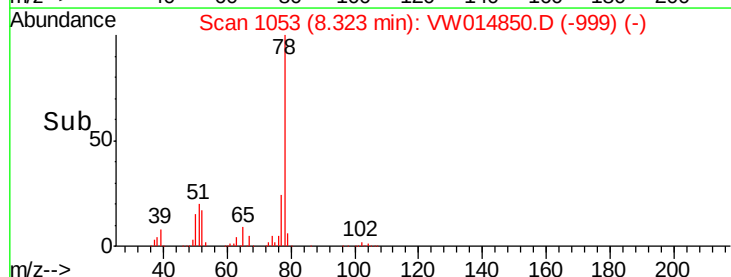
Tgt Ion: 78 Resp: 1528199

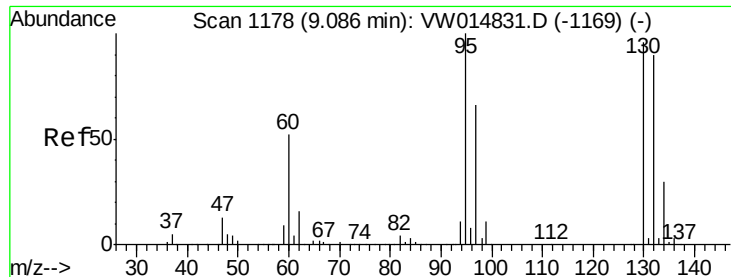


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

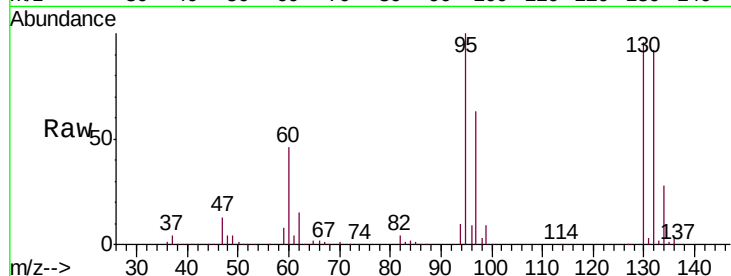




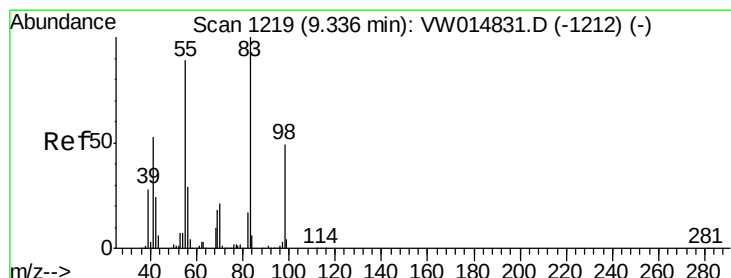
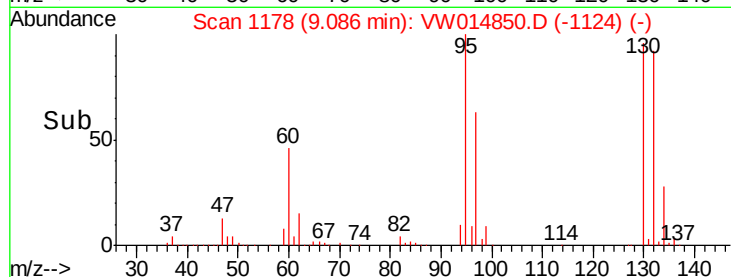
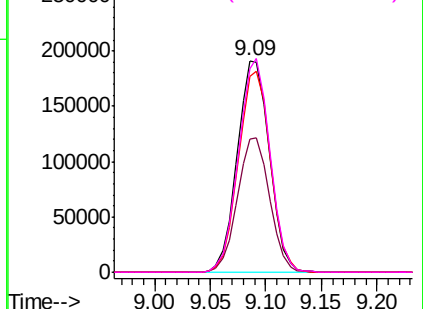
#35
 Trichloroethene
 Concen: 24.131 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion:	95	Resp:	382895
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.4	82.5
132	94.6	64.3	119.5
130	98.7	67.6	125.6

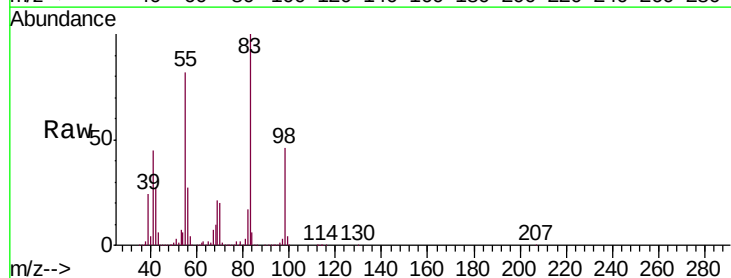


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

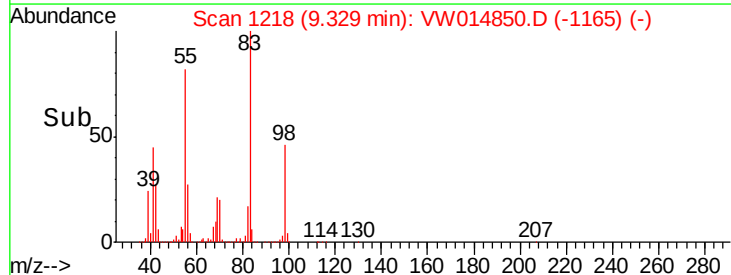
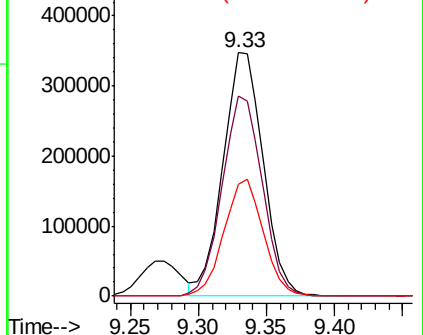


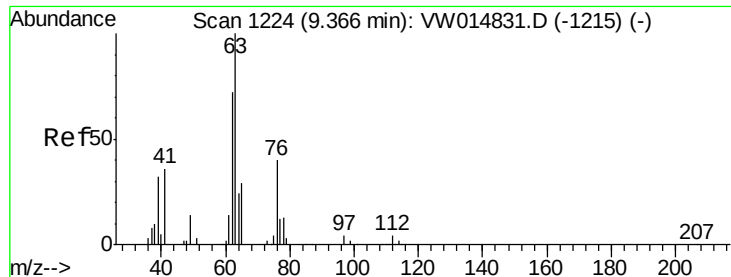
#36
 Methylcyclohexane
 Concen: 25.698 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion:	83	Resp:	714171
Ion	Ratio	Lower	Upper
83	100		
55	82.2	71.0	106.6
98	46.9	37.7	56.5



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

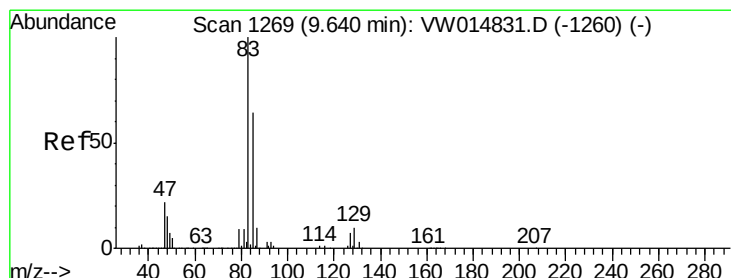
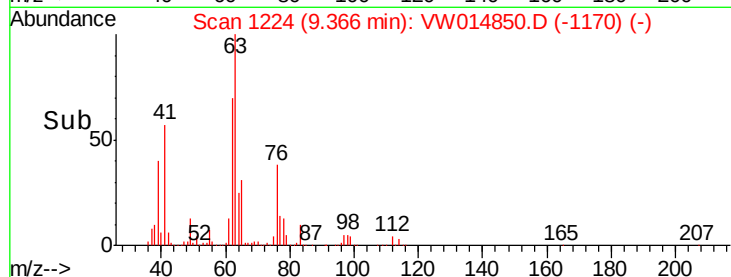
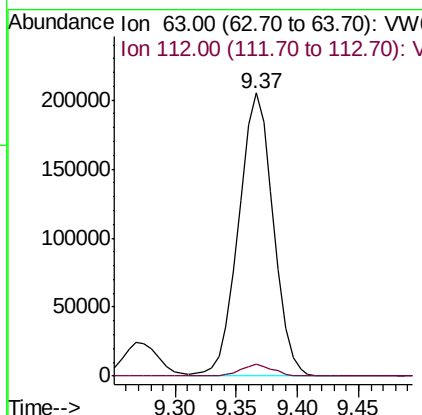
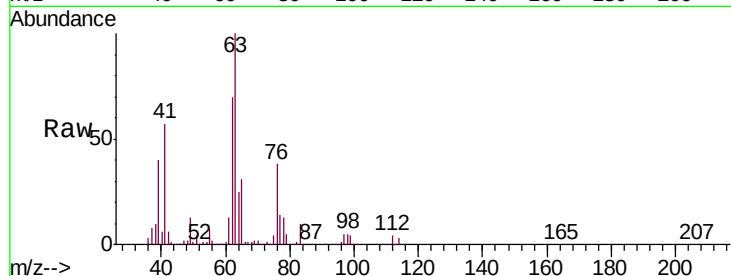




#40
 1,2-Dichloropropane
 Concen: 23.182 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

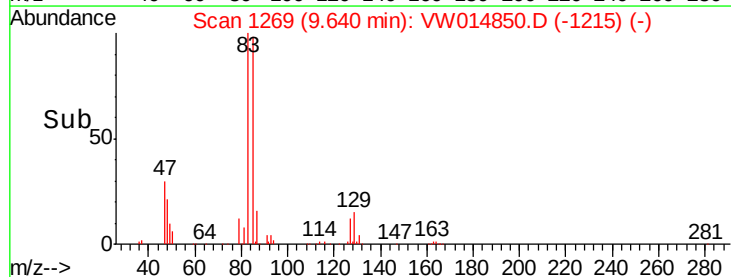
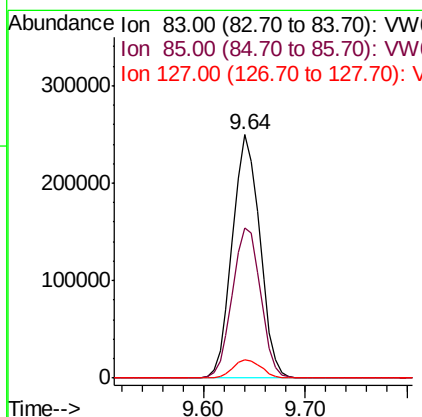
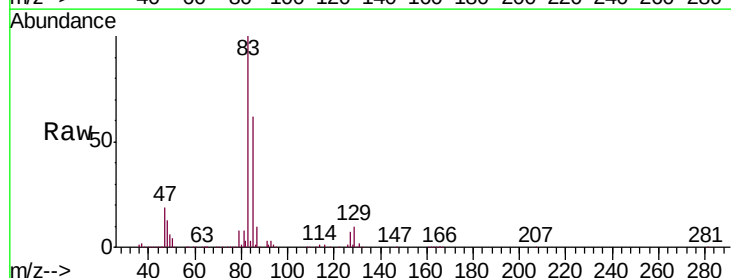
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

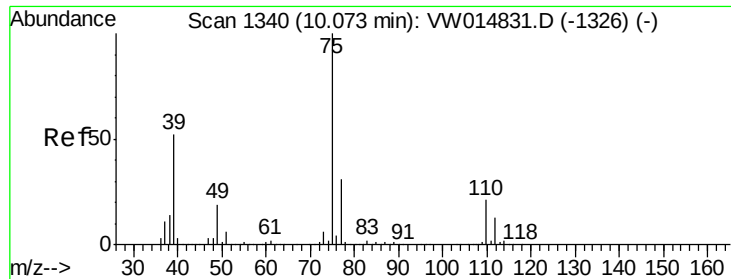
Tgt Ion: 63 Resp: 401709
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 23.464 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion: 83 Resp: 465910
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.2 82.0
 127 7.4 6.0 9.0

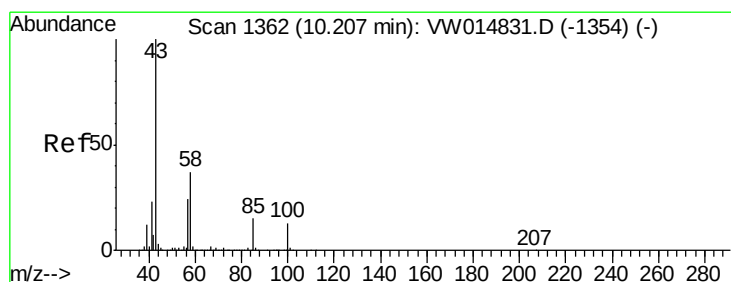
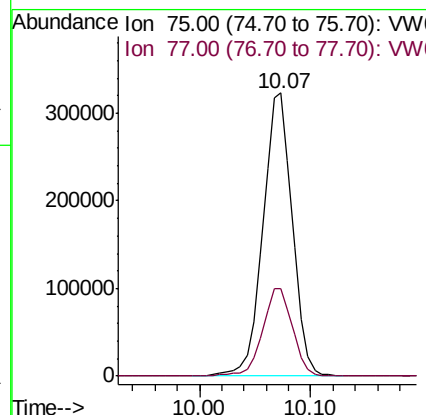
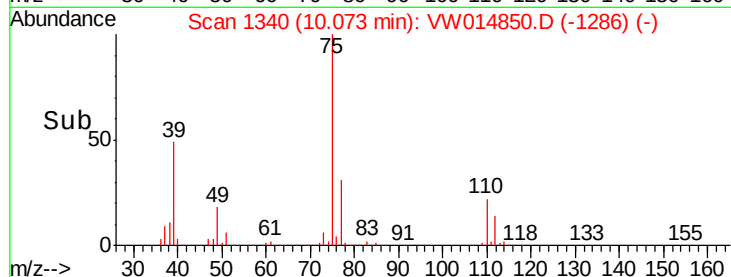
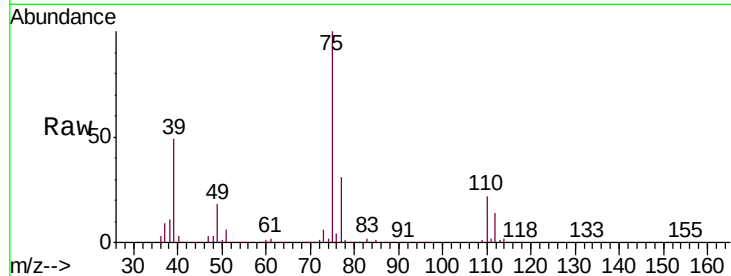




#42
 cis-1,3-Dichloroprene
 Concen: 24.661 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

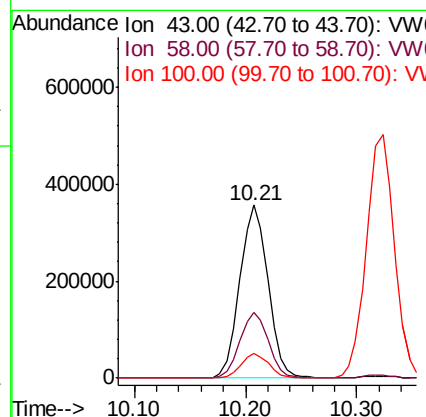
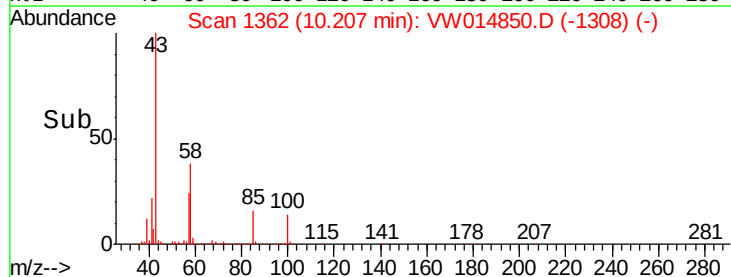
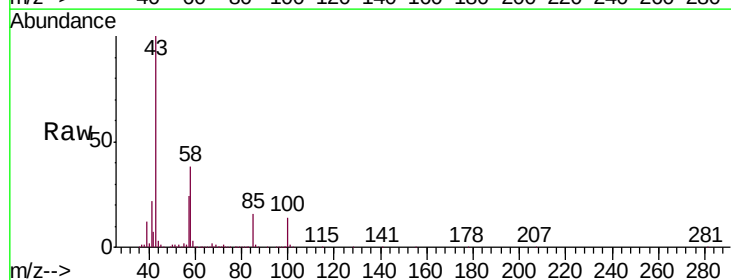
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

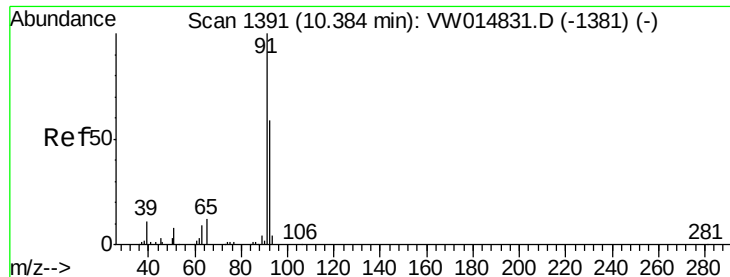
Tgt Ion: 75 Resp: 594829
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 49.194 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion: 43 Resp: 625926
 Ion Ratio Lower Upper
 43 100
 58 38.3 29.3 43.9
 100 14.1 10.2 15.4





#44

Toluene

Concen: 24.775 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampled :

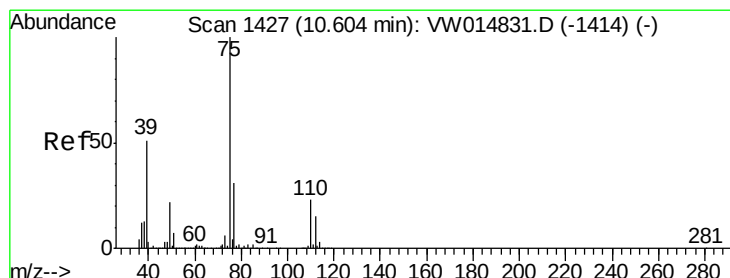
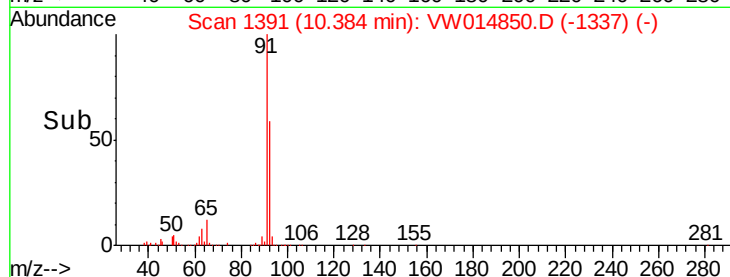
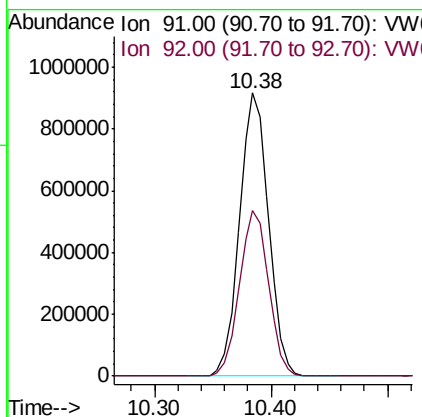
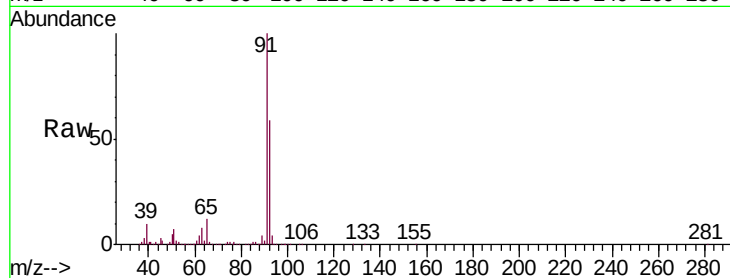
VSTD02510

Tgt Ion: 91 Resp: 1592578

Ion Ratio Lower Upper

91 100

92 58.5 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 24.131 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014850.D

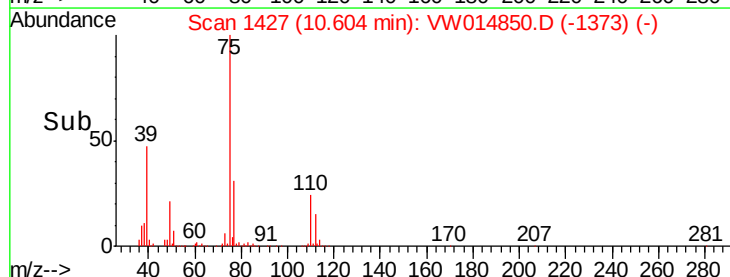
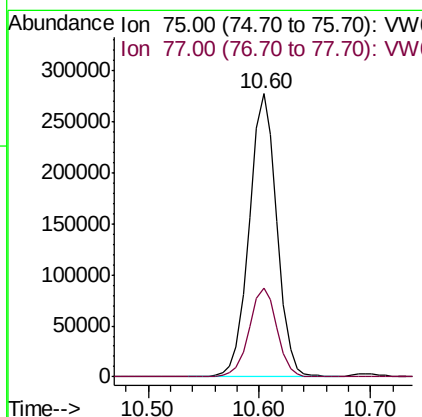
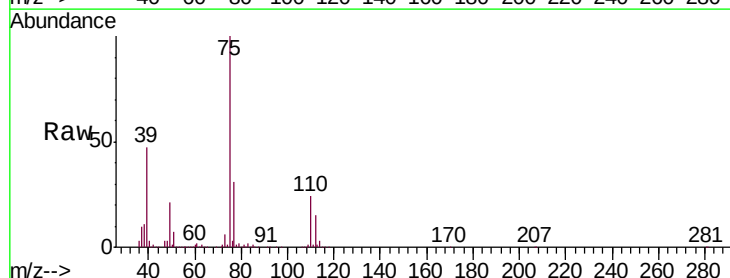
Acq: 03 Feb 2020 23:31

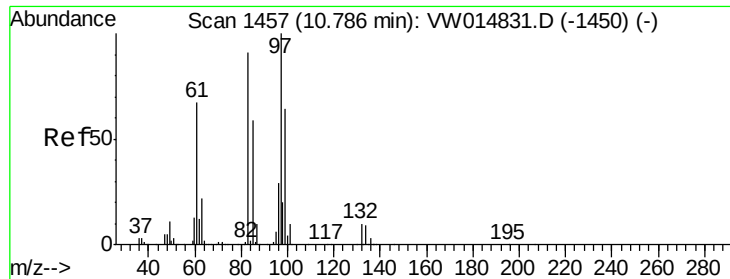
Tgt Ion: 75 Resp: 478965

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 24.538 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 97 Resp: 281372

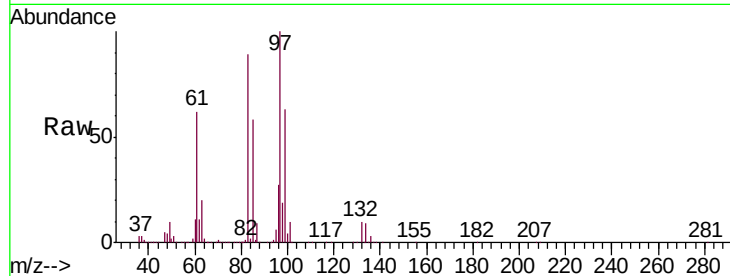
Ion Ratio Lower Upper

97 100

83 89.0 61.9 115.1

85 57.8 38.5 71.5

99 63.0 42.0 78.0

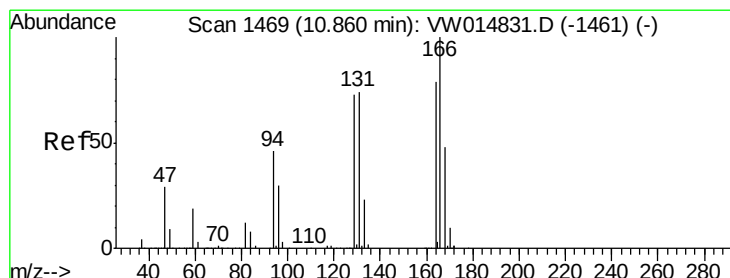
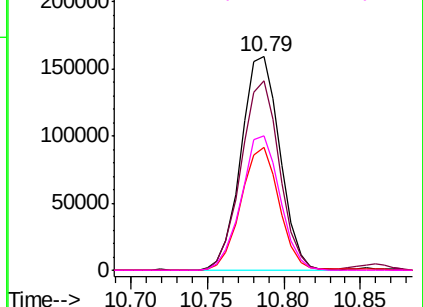
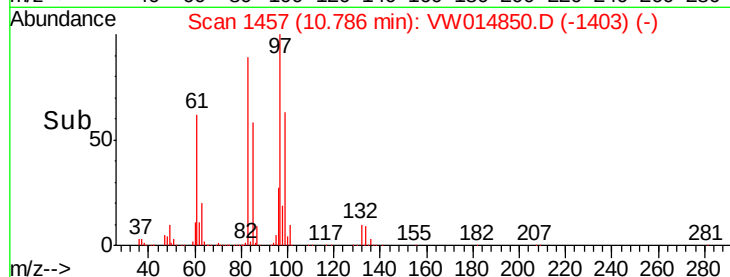


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.414 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Tgt Ion: 164 Resp: 288996

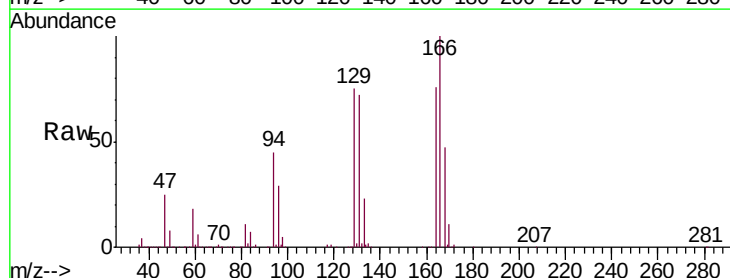
Ion Ratio Lower Upper

164 100

129 98.0 67.1 124.5

131 93.9 62.2 115.6

166 130.7 87.6 162.6

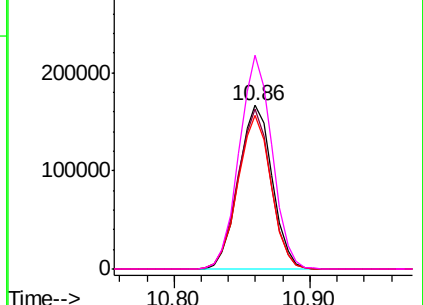
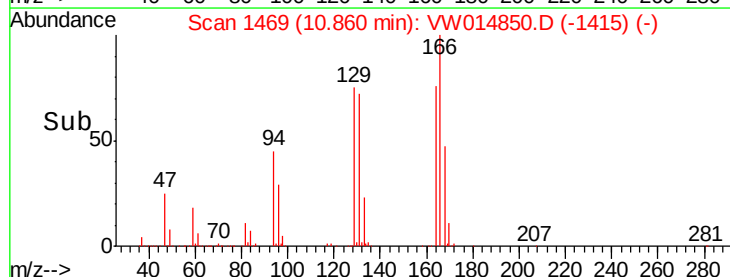


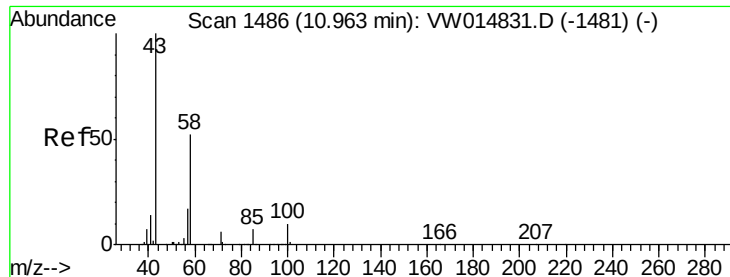
Abundance Ion 164.00 (163.70 to 164.70): V

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

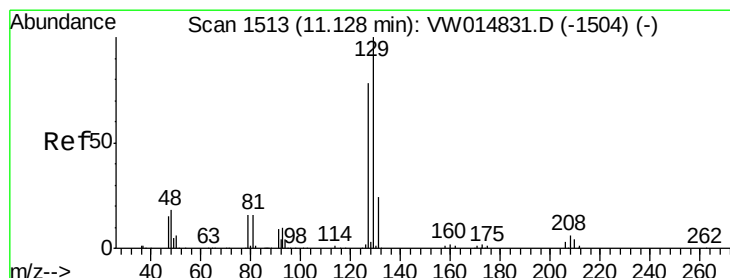
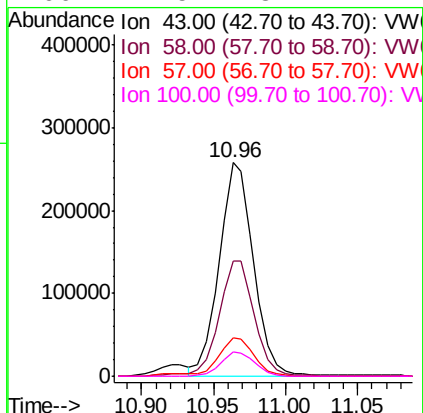
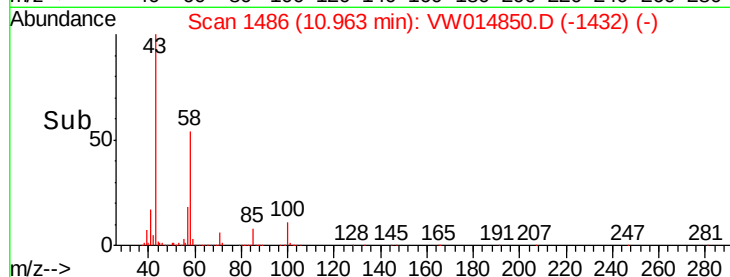
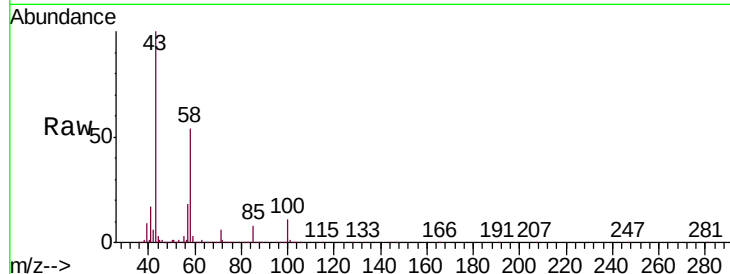




#49
2-Hexanone
Concen: 48.968 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

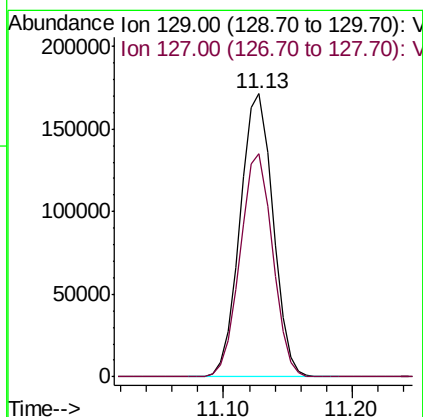
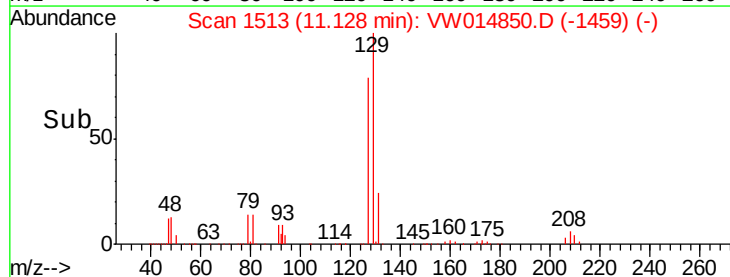
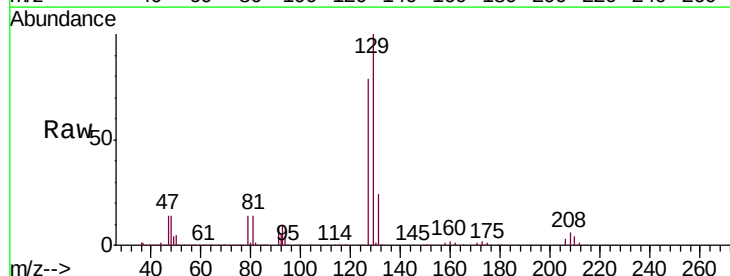
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

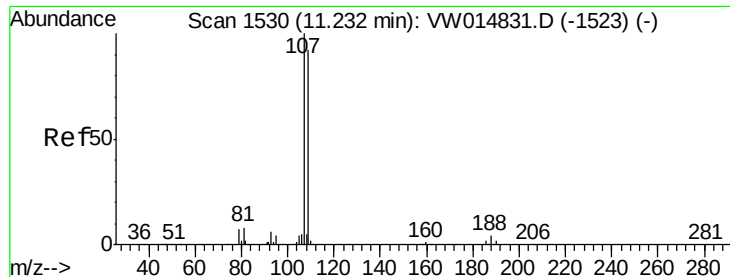
Tgt Ion:	43	Resp:	429899
Ion	Ratio	Lower	Upper
43	100		
58	54.1	41.1	61.7
57	18.3	14.1	21.1
100	11.5	8.1	12.1



#50
Dibromochloromethane
Concen: 24.624 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014850.D
Acq: 03 Feb 2020 23:31

Tgt Ion:	129	Resp:	303553
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.2	100.6

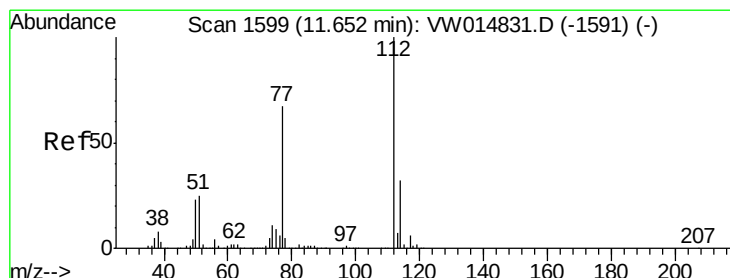
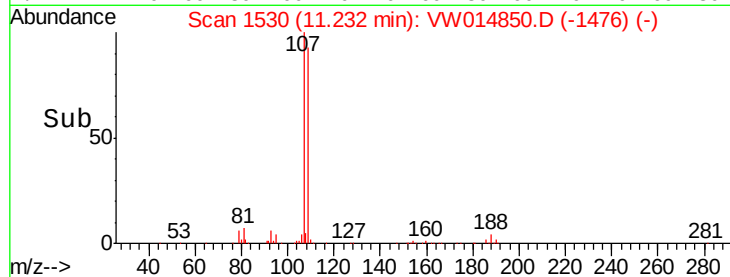
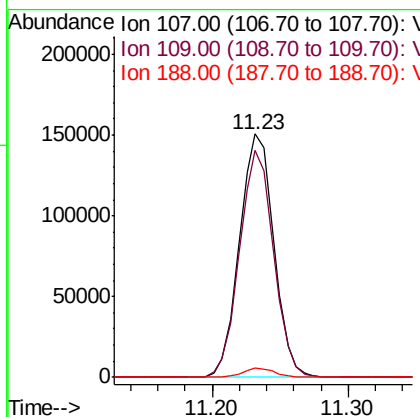
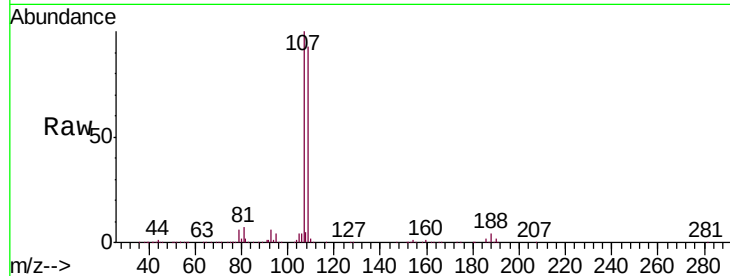




#51
 1,2-Dibromoethane
 Concen: 24.708 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

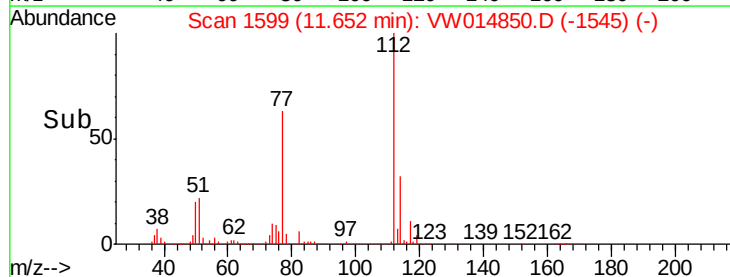
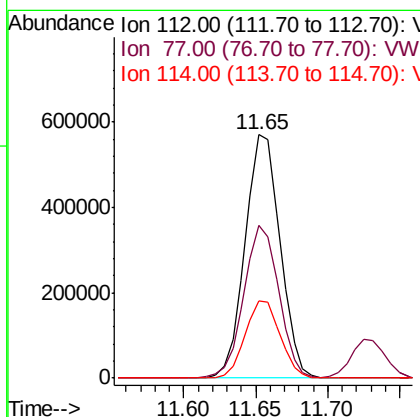
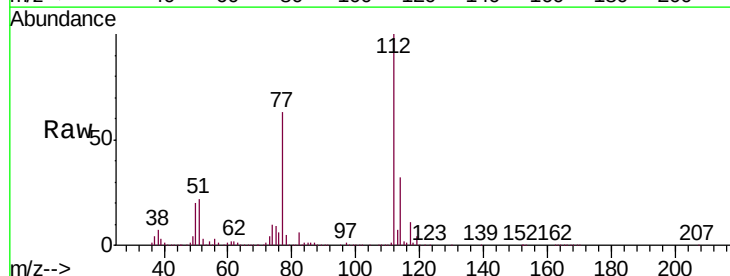
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

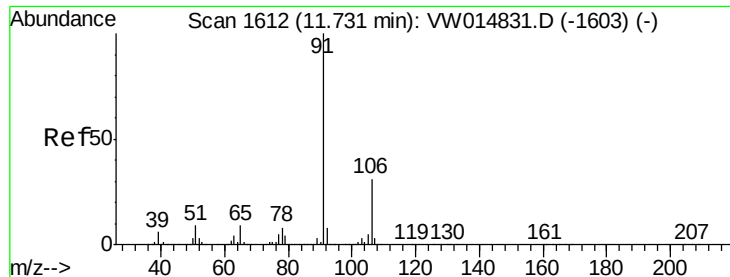
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.6	123.8
188	3.8	2.5	3.7#



#52
 Chlorobenzene
 Concen: 24.440 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.7	49.8	74.8
114	31.8	22.1	41.1





#53

Ethylbenzene

Concen: 24.767 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

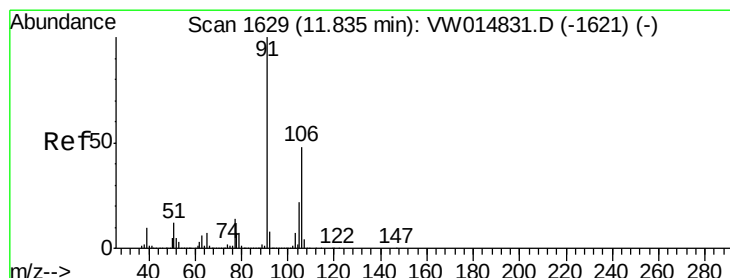
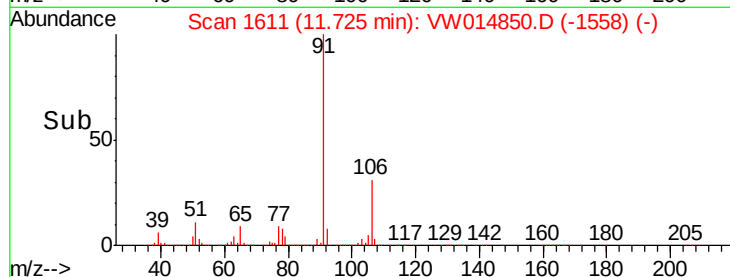
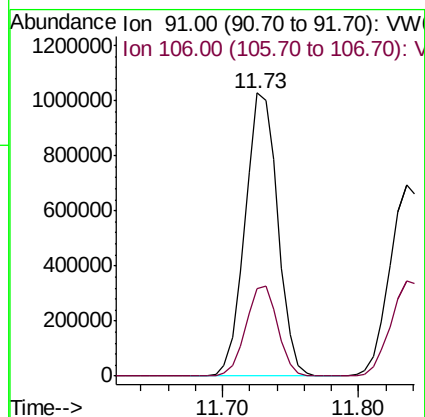
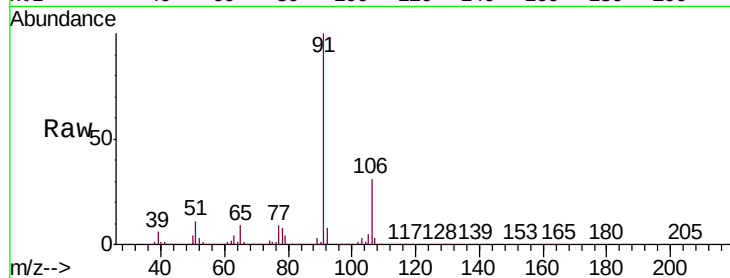
VSTD02510

Tgt Ion: 91 Resp: 1725030

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#54

m,p-Xylene

Concen: 25.401 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014850.D

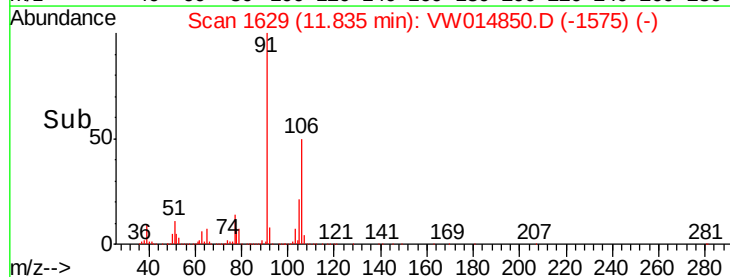
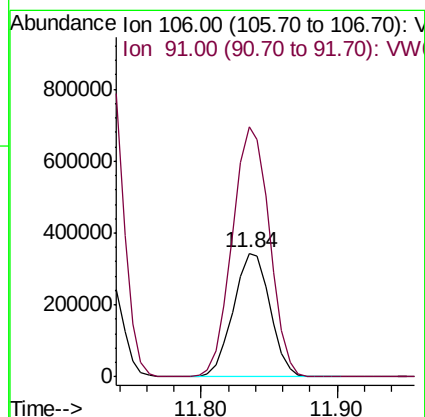
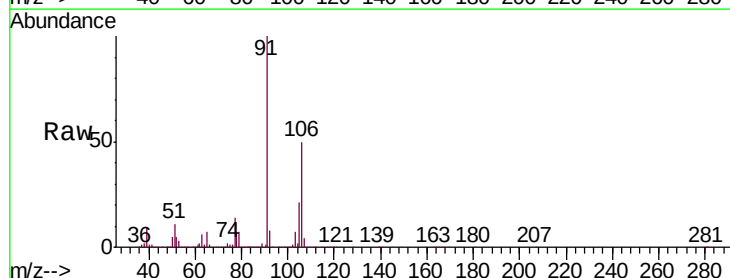
Acq: 03 Feb 2020 23:31

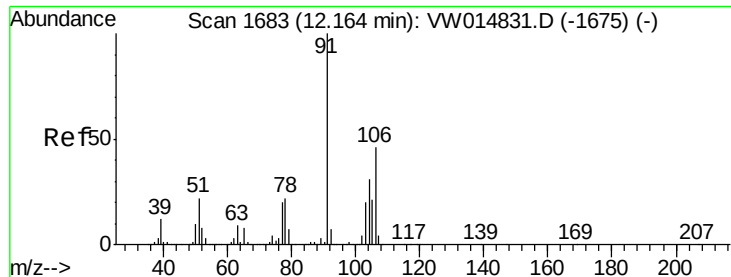
Tgt Ion: 106 Resp: 647432

Ion Ratio Lower Upper

106 100

91 201.9 145.3 269.9





#55

o-xylene

Concen: 26.149 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

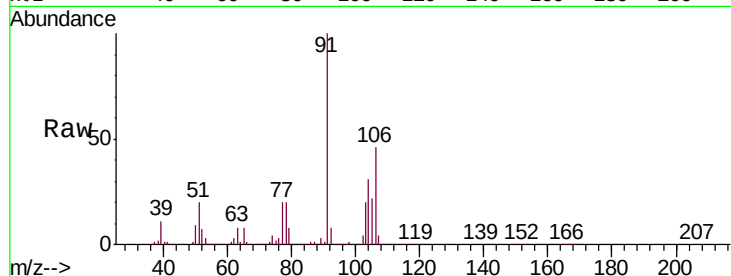
VSTD02510

Tgt Ion:106 Resp: 620922

Ion Ratio Lower Upper

106 100

91 216.5 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

1000000

800000

600000

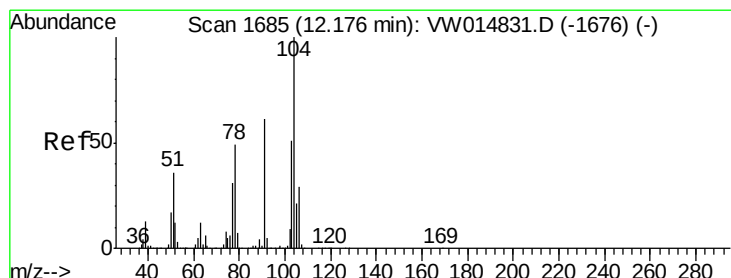
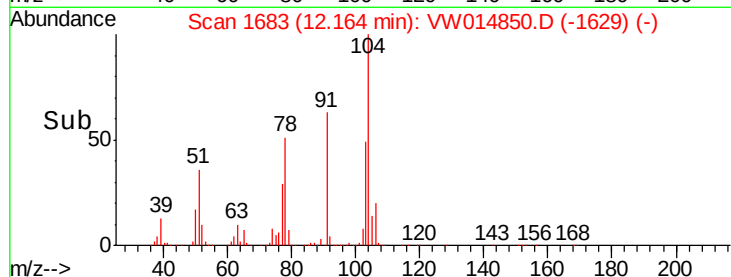
400000

200000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 26.391 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014850.D

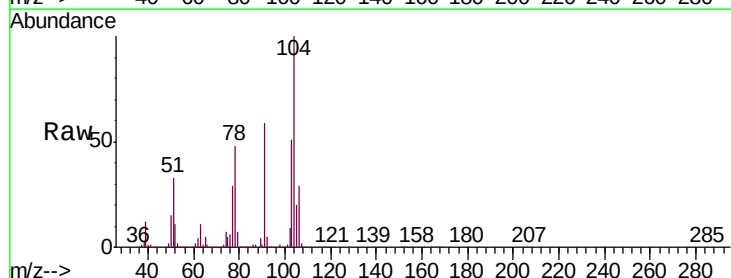
Acq: 03 Feb 2020 23:31

Tgt Ion:104 Resp: 1067103

Ion Ratio Lower Upper

104 100

78 47.6 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

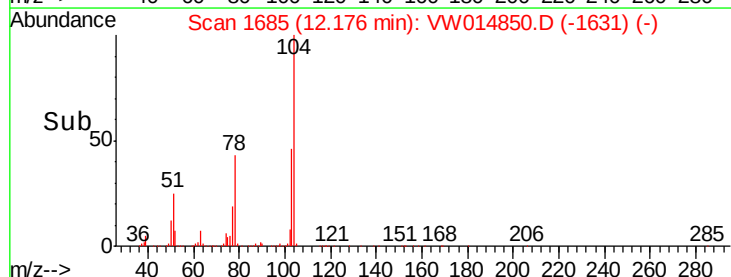
400000

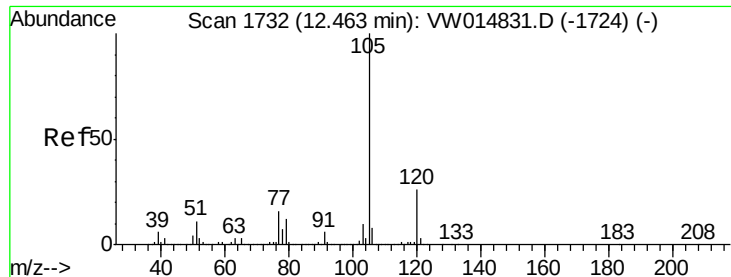
200000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.453 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

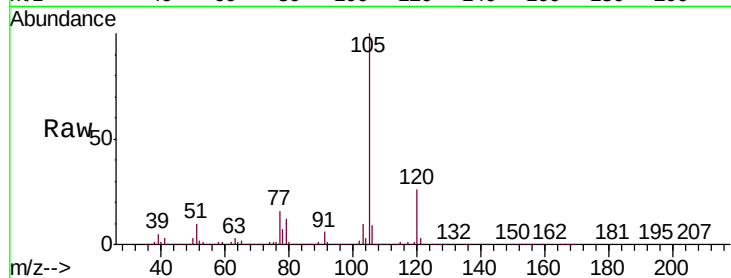
Tgt Ion: 105 Resp: 1698595

Ion Ratio Lower Upper

105 100

120 26.3 20.5 30.7

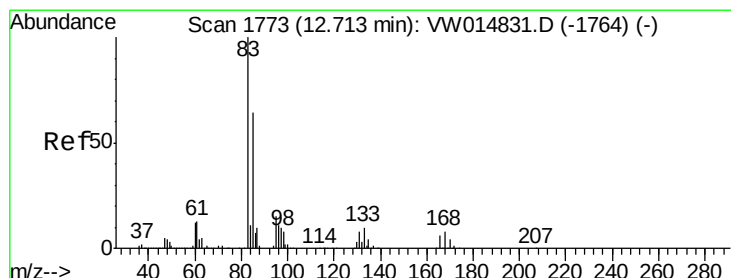
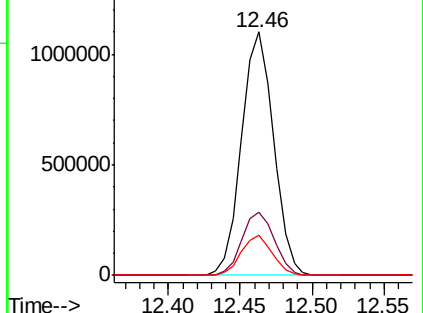
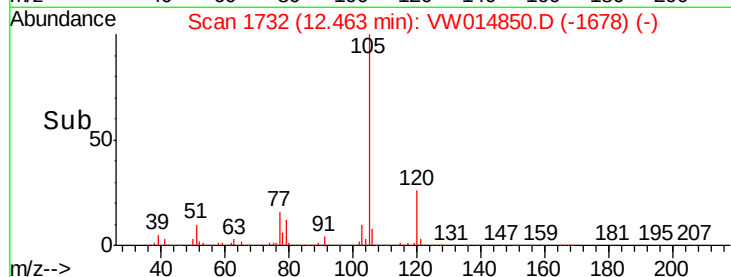
77 16.0 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.145 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

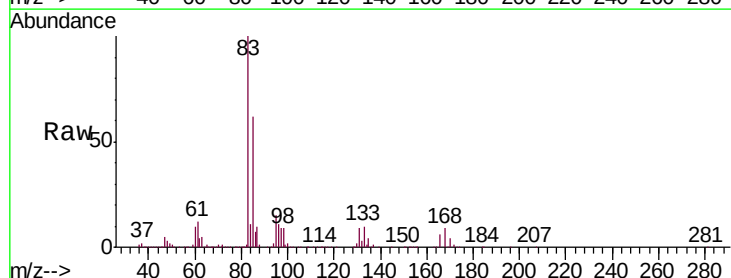
Tgt Ion: 83 Resp: 363439

Ion Ratio Lower Upper

83 100

85 62.2 44.9 83.5

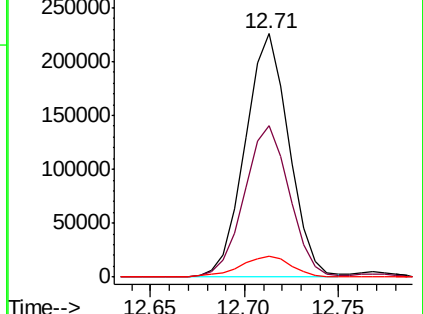
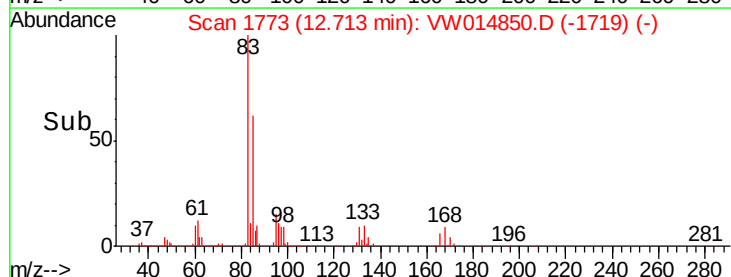
131 8.8 6.9 10.3

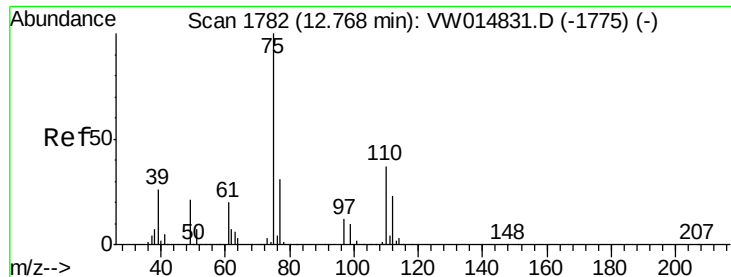


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.653 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

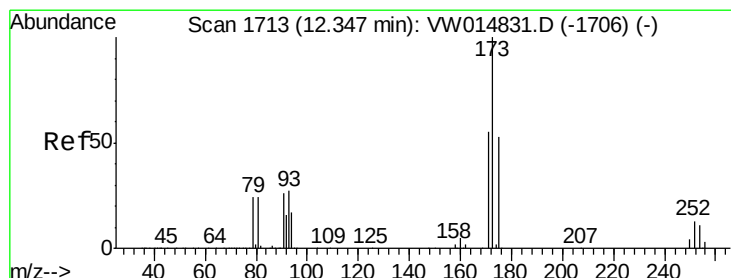
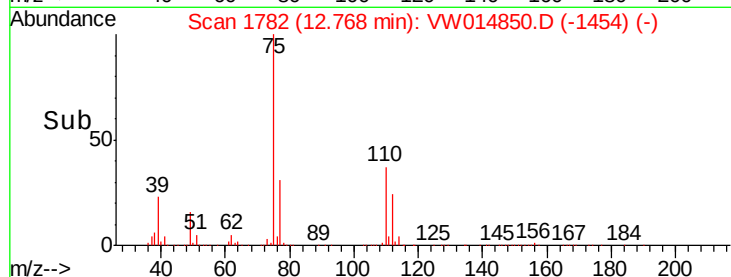
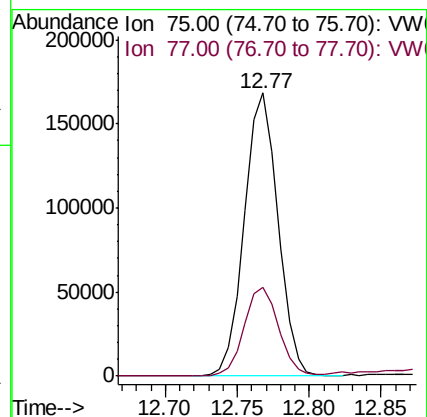
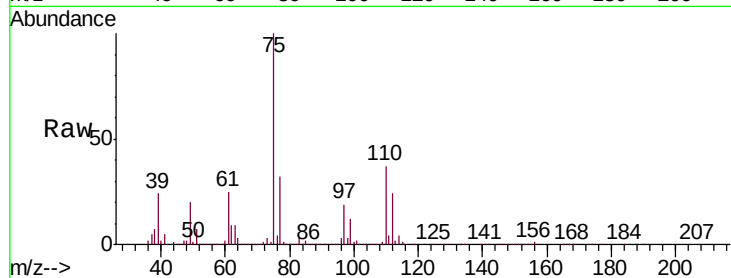
VSTD02510

Tgt Ion: 75 Resp: 272569

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9



#62

Bromoform

Concen: 24.466 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

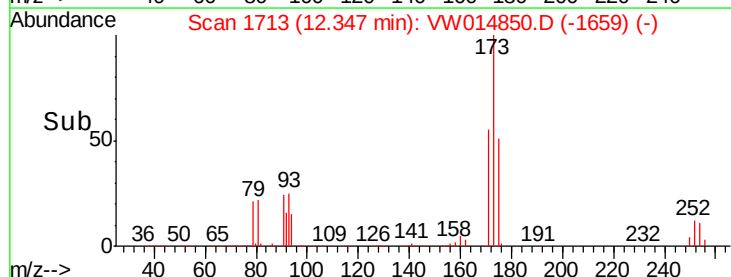
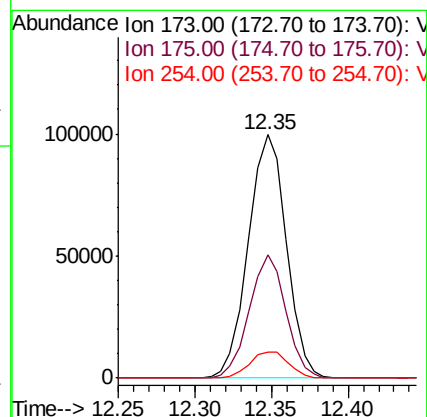
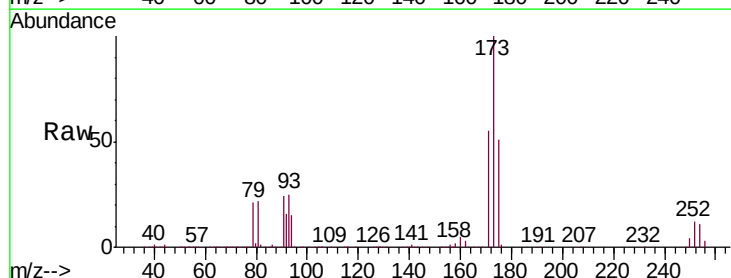
Tgt Ion: 173 Resp: 173060

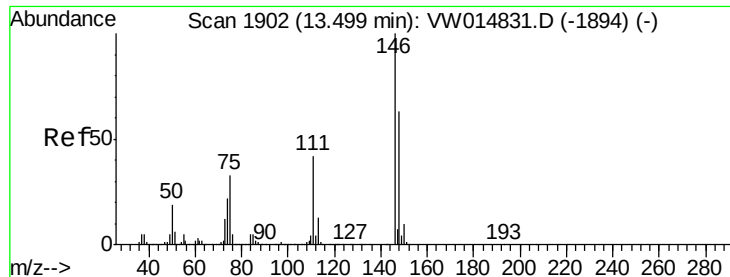
Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.4

254 11.1 8.6 13.0

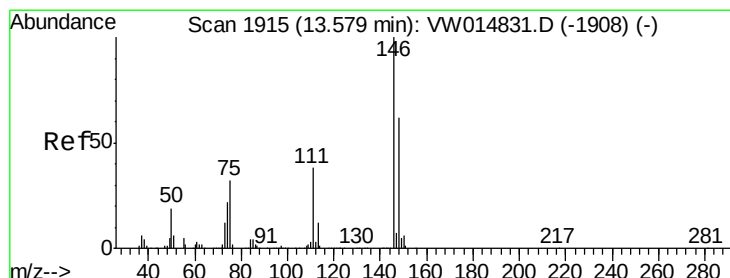
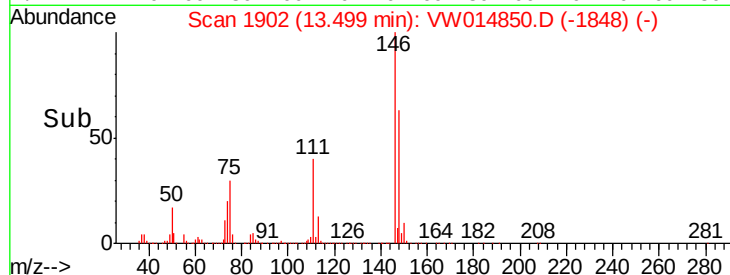
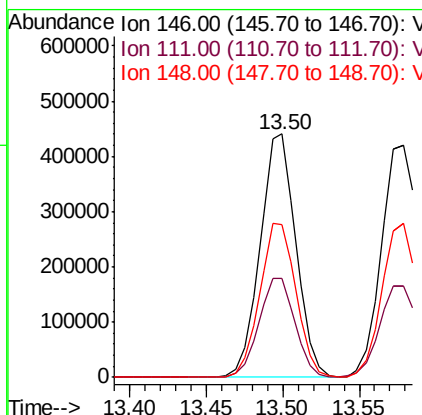
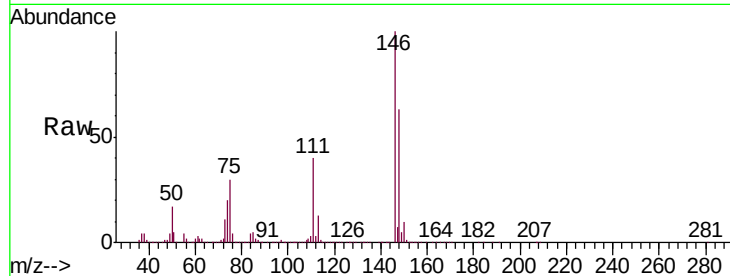




#63
 1,3-Dichlorobenzene
 Concen: 24.946 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

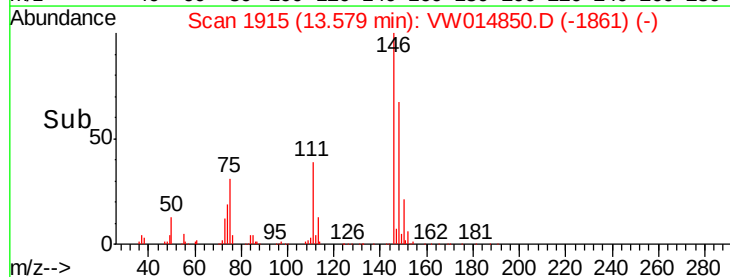
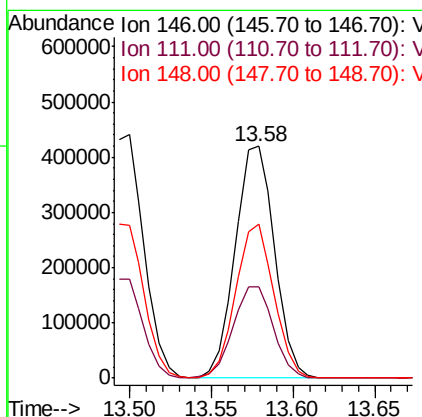
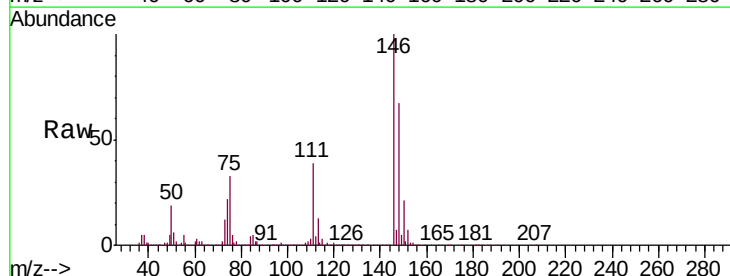
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

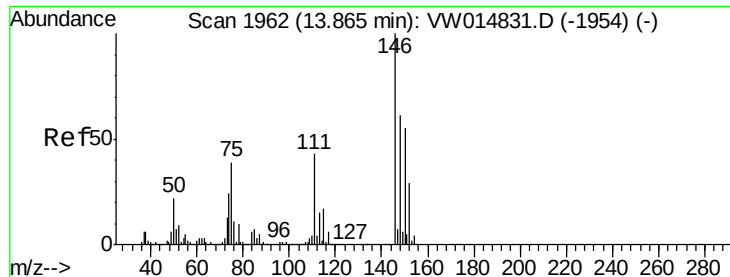
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.8	53.4
148	62.5	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.333 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.2	50.4
148	66.5	44.2	82.0

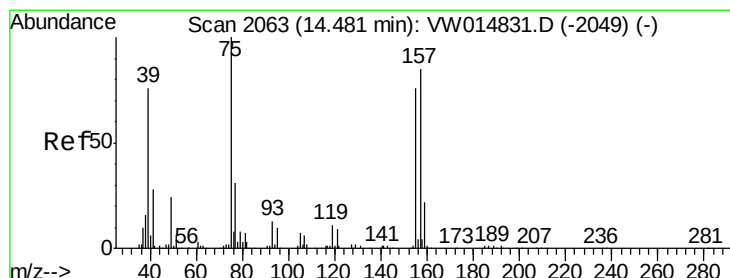
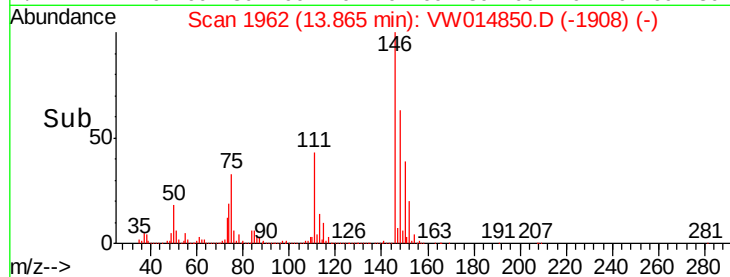
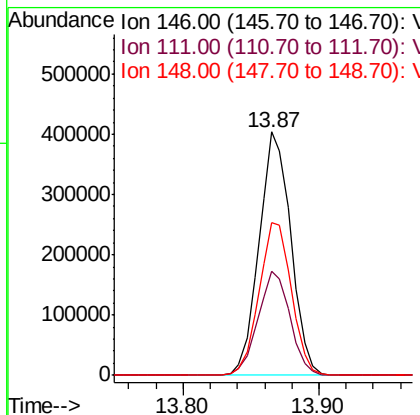
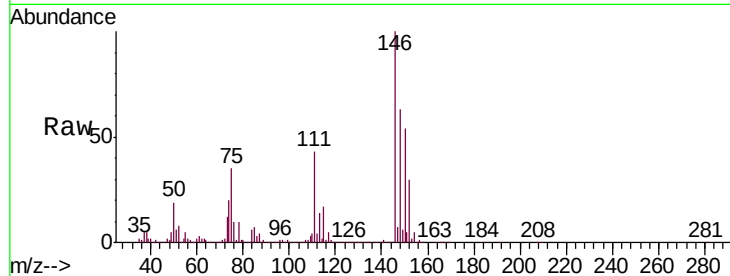




#65
 1,2-Dichlorobenzene
 Concen: 25.366 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

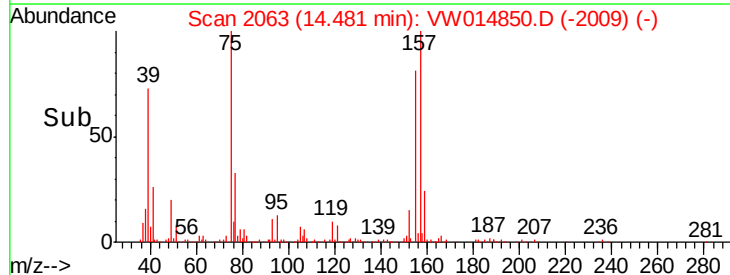
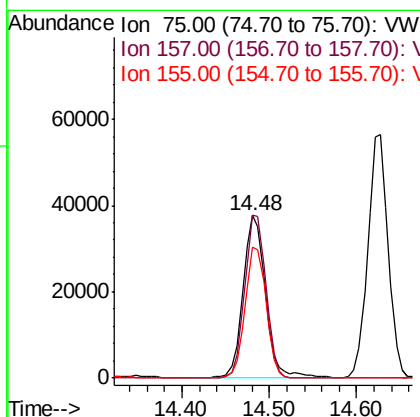
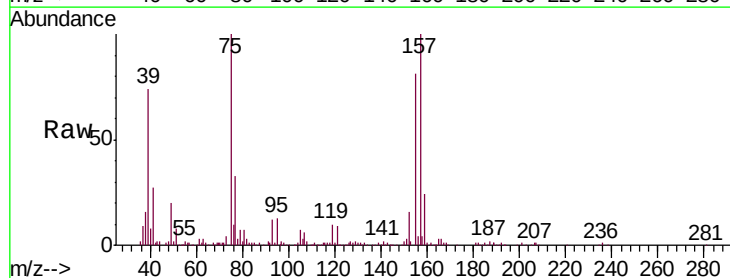
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

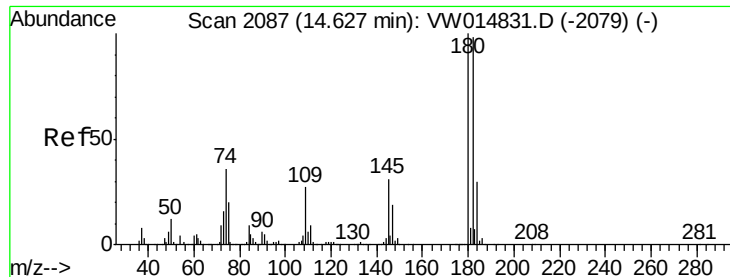
Tgt Ion:146 Resp: 662826
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.3 51.5
 148 62.9 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.172 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion: 75 Resp: 66752
 Ion Ratio Lower Upper
 75 100
 157 99.9 68.2 102.2
 155 80.7 56.0 84.0

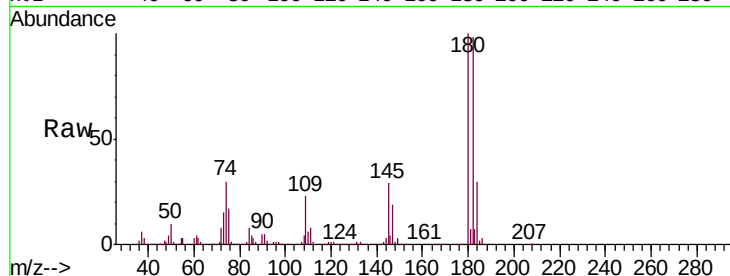




#67
 1,3,5-Trichlorobenzene
 Concen: 26.071 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion:	180	Resp:	530207
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	30.8	24.2	36.2
145	29.3	23.9	35.9



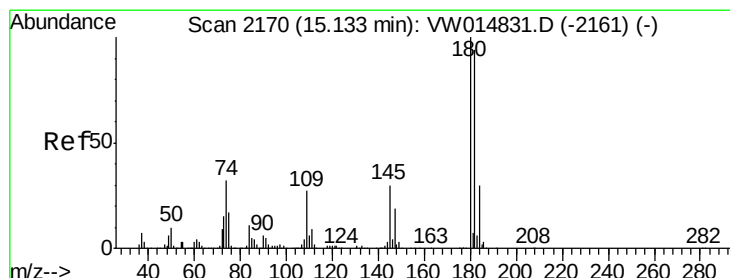
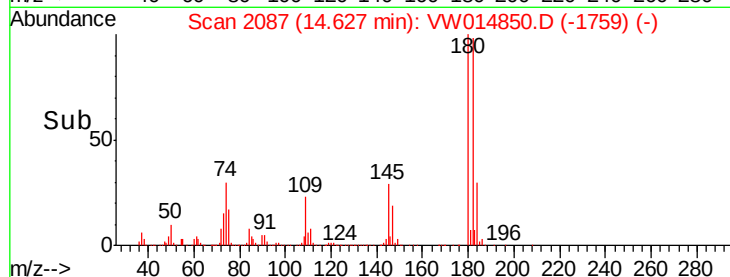
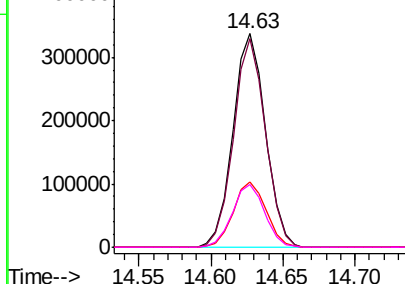
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

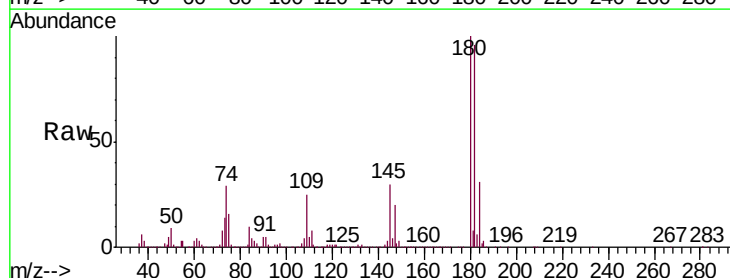
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.508 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014850.D
 Acq: 03 Feb 2020 23:31

Tgt Ion:	180	Resp:	452944
Ion	Ratio	Lower	Upper
180	100		
182	96.8	74.7	112.1
145	30.9	24.1	36.1

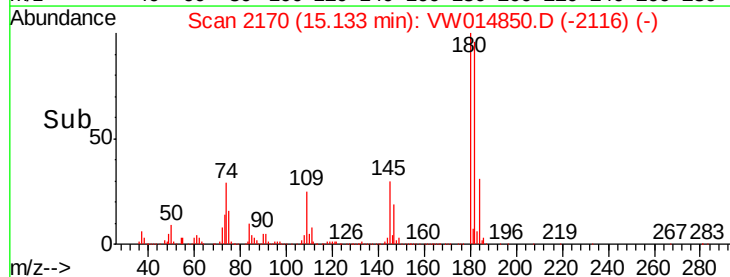
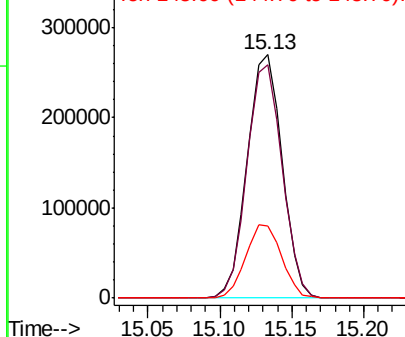


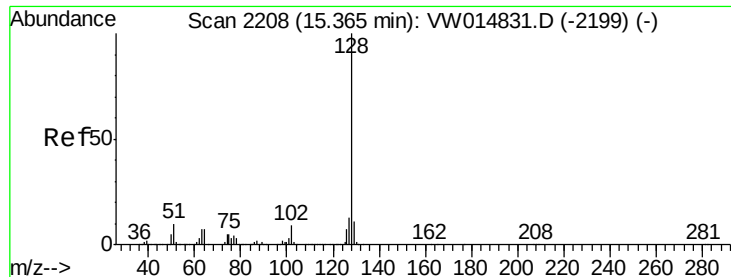
Abundance

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: 49.051 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

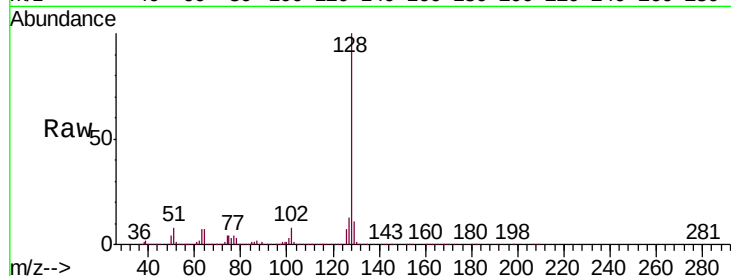
Tgt Ion:128 Resp: 1581200

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

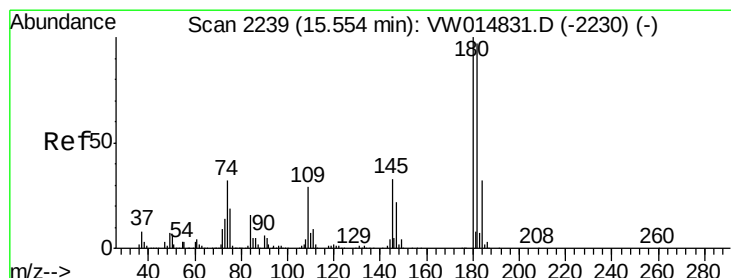
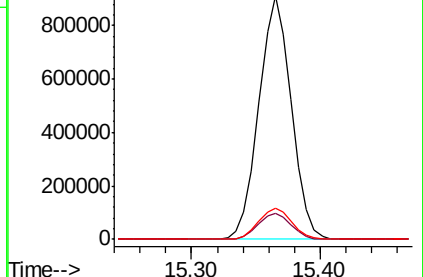
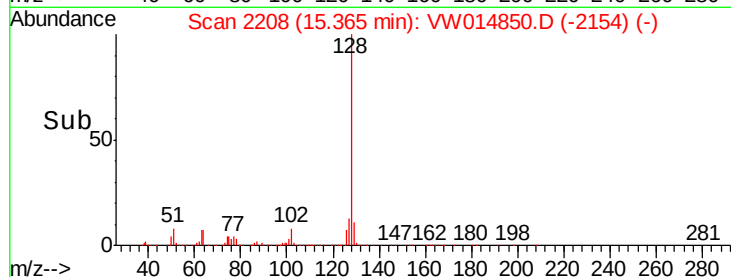
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.477 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014850.D

Acq: 03 Feb 2020 23:31

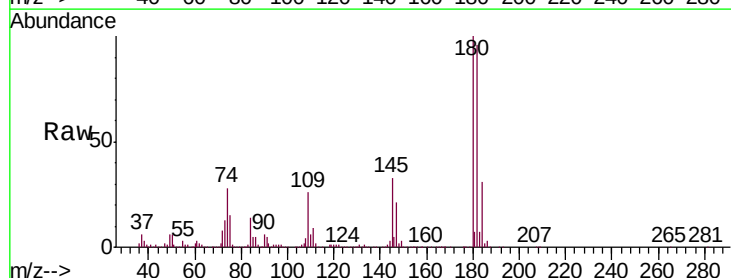
Tgt Ion:180 Resp: 418125

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.8 25.7 38.5



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

