

Data File : VW014817.D
Acq On : 30 Jan 2020 19:29
Operator : SY/VA
Sample : VSRDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Jan 31 01:12:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 01:08:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1100201	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	921101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	450515	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	343535	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.84%
7) Chloroethane-d5	2.89	69	319344	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
10) 1,1-Dichloroethene-d2	4.03	63	759342	24.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.32%
20) 2-Butanone-d5	7.07	46	238088	48.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.24%
24) Chloroform-d	7.64	84	678565	22.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.36%
26) 1,2-Dichloroethane-d4	8.31	65	345891	21.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.60%
29) Benzene-d6	8.27	84	1379370	23.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.16%
33) 1,2-Dichloropropane-d6	9.27	67	430923	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	10.32	98	1242364	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.24%
38) trans-1,3-Dichloropropene-	10.57	79	168543	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.88%
39) 2-Hexanone-d5	10.92	63	190138	56.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	338410	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	422846	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	321581	23.769 ug/L	99
3) Chloromethane	2.21	50	327956	20.779 ug/L	100
5) Vinyl chloride	2.36	62	502417	22.626 ug/L	96
6) Bromomethane	2.78	94	265234	22.850 ug/L	100
8) Chloroethane	2.92	64	275054	22.864 ug/L	98
9) Trichlorofluoromethane	3.26	101	241006	22.603 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	387931	25.471 ug/L	99
12) 1,1-Dichloroethene	4.04	96	388459	25.864 ug/L	85
13) Acetone	4.12	43	209319	39.498 ug/L	98
14) Carbon disulfide	4.39	76	1199582	24.399 ug/L	100
15) Methyl Acetate	4.67	43	214058	27.066 ug/L	98
16) Methylene chloride	4.91	84	437986	23.557 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	603855	30.416 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	405820	26.152 ug/L	96
19) 1,1-Dichloroethane	6.21	63	762626	26.207 ug/L	99
21) 2-Butanone	7.17	43	262047	44.162 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	395851	24.365 ug/L	99

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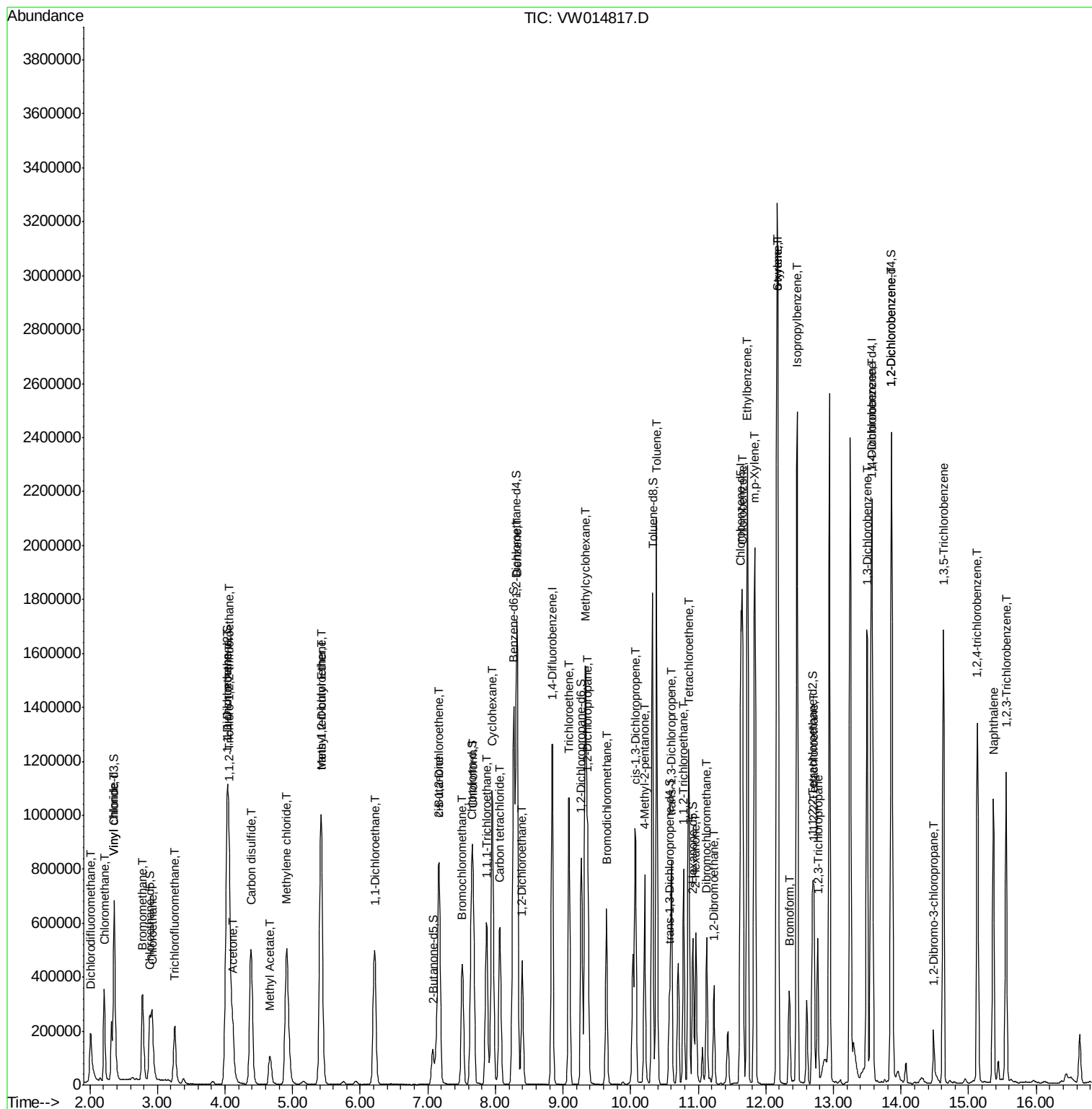
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	163637	23.050	ug/L	96
25) Chloroform	7.67	83	643700	23.708	ug/L	100
27) 1,2-Dichloroethane	8.40	62	406711	22.671	ug/L	97
30) Cyclohexane	7.95	56	669304	26.609	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	497896	24.755	ug/L	99
32) Carbon tetrachloride	8.07	117	454625	24.120	ug/L	100
34) Benzene	8.32	78	1518847	25.747	ug/L	100
35) Trichloroethene	9.09	95	383039	25.559	ug/L	98
36) Methylcyclohexane	9.33	83	656444	25.178	ug/L	98
40) 1,2-Dichloropropane	9.37	63	376986	25.208	ug/L	100
41) Bromodichloromethane	9.64	83	442329	24.749	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	577895	26.457	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	526904	53.583	ug/L	98
44) Toluene	10.38	91	1518593	25.334	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	456013	25.717	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	259508	25.420	ug/L	99
47) Tetrachloroethene	10.86	164	297405	24.837	ug/L	98
49) 2-Hexanone	10.96	43	369892	52.319	ug/L	99
50) Dibromochloromethane	11.13	129	301255	25.864	ug/L	97
51) 1,2-Dibromoethane	11.23	107	252961	25.760	ug/L	97
52) Chlorobenzene	11.65	112	925049	24.715	ug/L	99
53) Ethylbenzene	11.73	91	1636894	24.989	ug/L	98
54) m,p-Xylene	11.83	106	643545	26.281	ug/L	97
55) o-xylene	12.16	106	599803	26.106	ug/L	100
56) Styrene	12.18	104	1021871	26.224	ug/L	100
57) Isopropylbenzene	12.46	105	1612596	25.915	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	323528	24.597	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	235525	23.838	ug/L	99
62) Bromoform	12.35	173	165564	23.412	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	718811	24.713	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	710711	24.381	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	662004	25.023	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	51906	23.922	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	553844	25.708	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	464083	29.028	ug/L	99
69) Naphthalene	15.36	128	902635	31.216	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	403858	27.551	ug/L	98

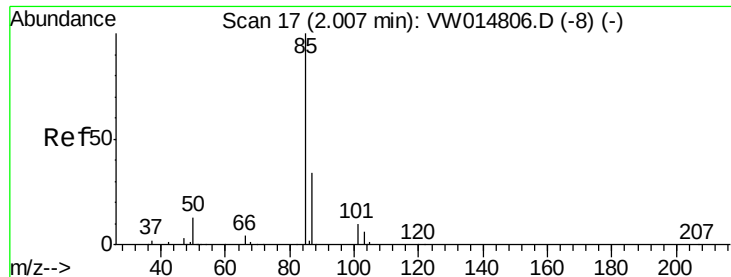
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.769 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

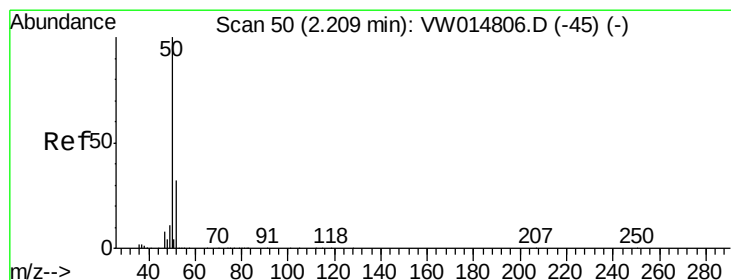
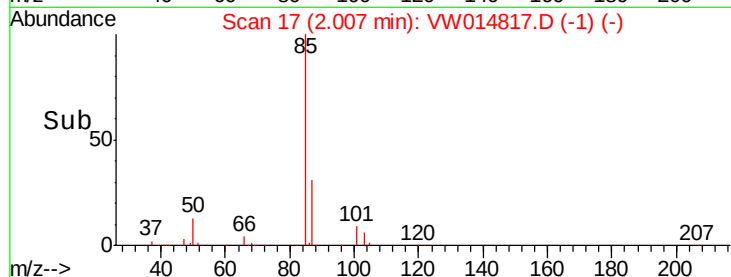
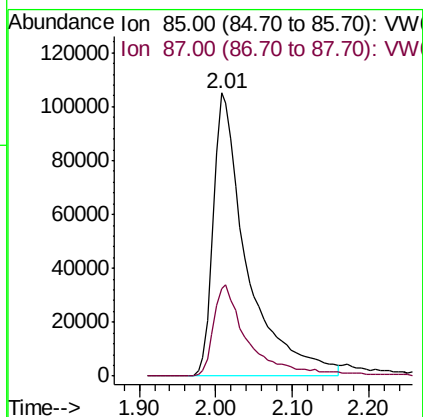
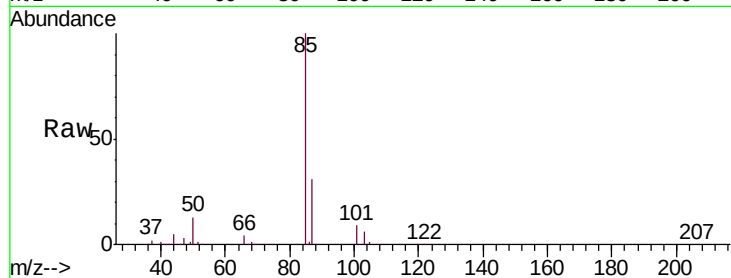
VSTD02508

Tgt Ion: 85 Resp: 321581

Ion Ratio Lower Upper

85 100

87 31.0 22.0 40.8



#3

Chloromethane

Concen: 20.779 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014817.D

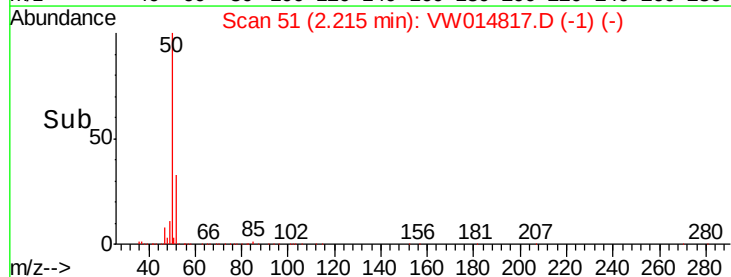
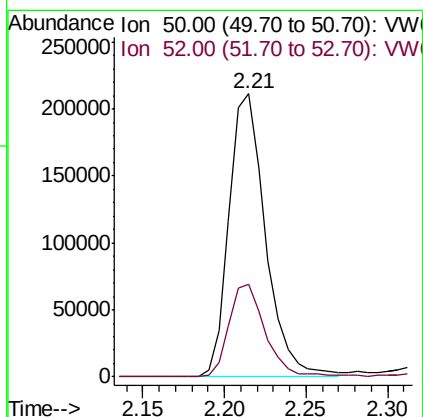
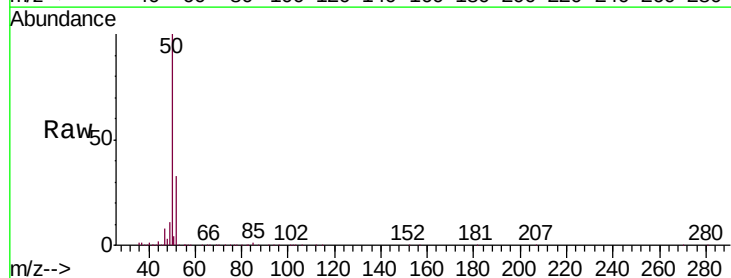
Acq: 30 Jan 2020 19:29

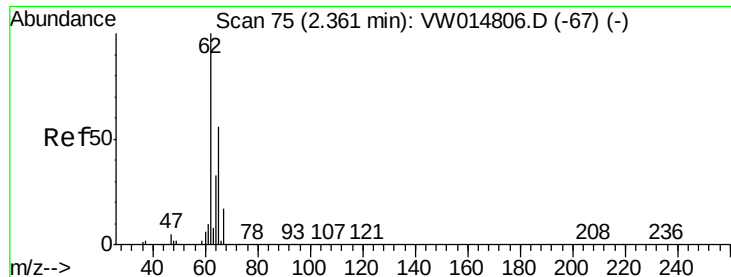
Tgt Ion: 50 Resp: 327956

Ion Ratio Lower Upper

50 100

52 32.8 22.9 42.5





#5

Vinyl chloride

Concen: 22.626 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

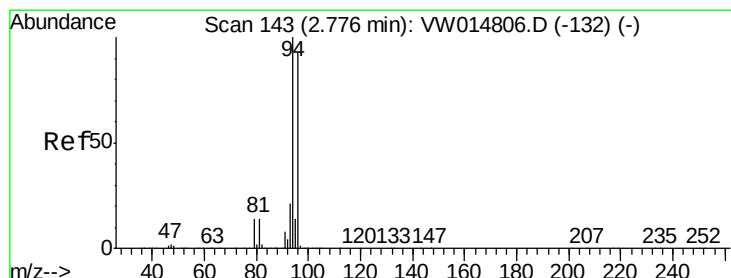
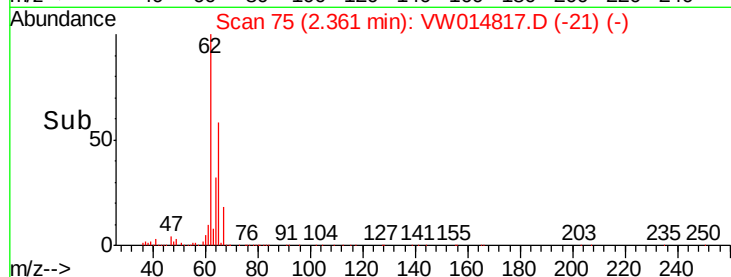
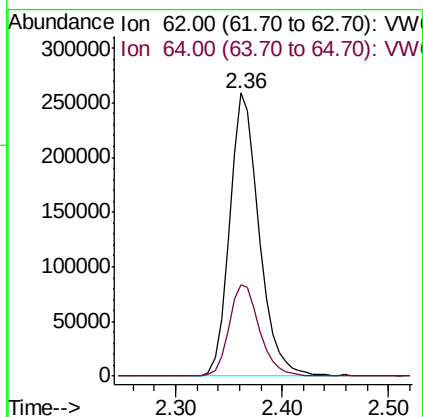
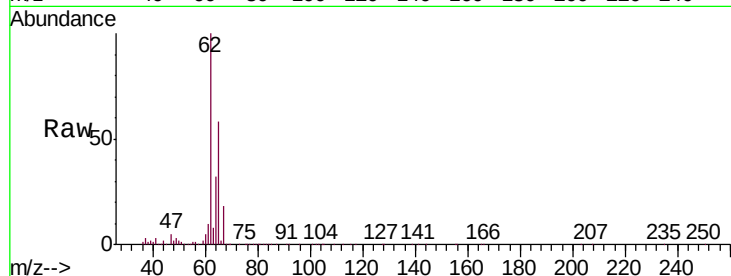
VSTD02508

Tgt Ion: 62 Resp: 502417

Ion Ratio Lower Upper

62 100

64 32.3 24.3 45.1



#6

Bromomethane

Concen: 22.850 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW014817.D

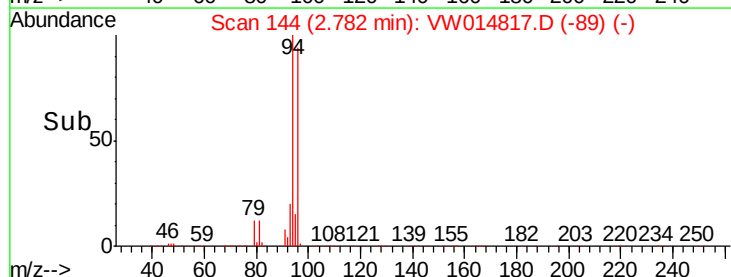
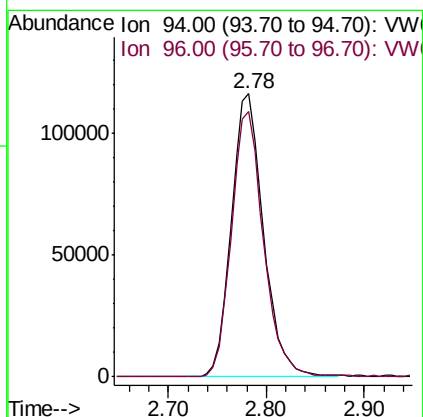
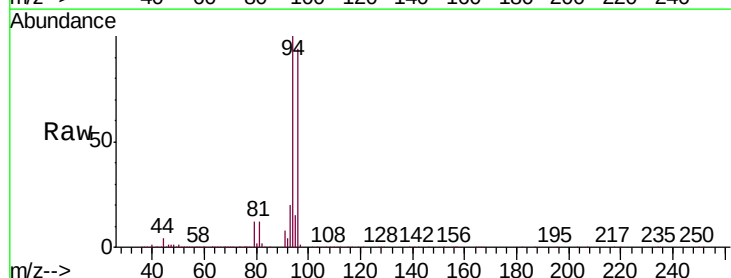
Acq: 30 Jan 2020 19:29

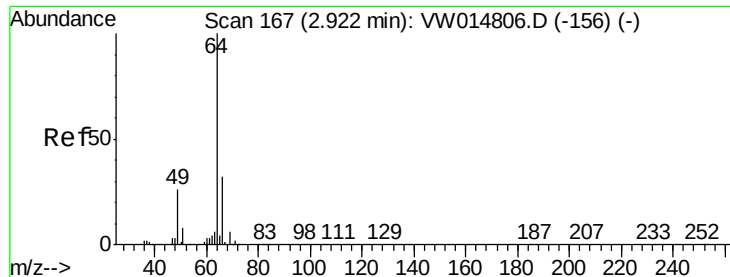
Tgt Ion: 94 Resp: 265234

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.7





#8

Chloroethane

Concen: 22.864 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

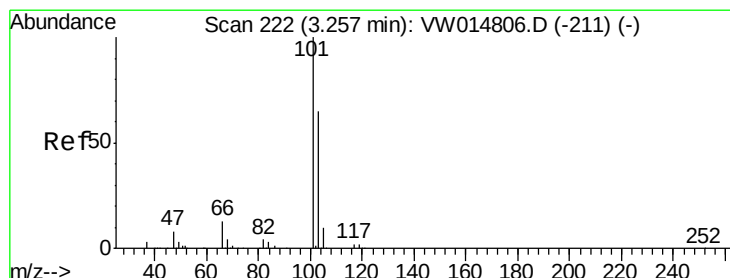
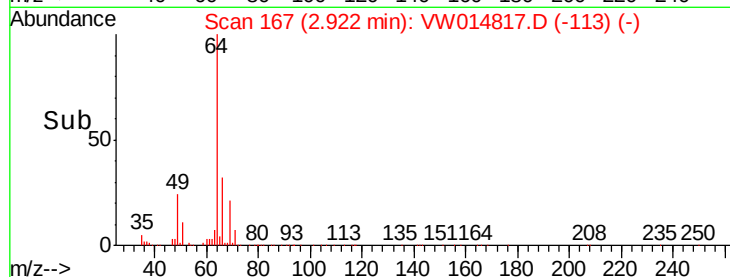
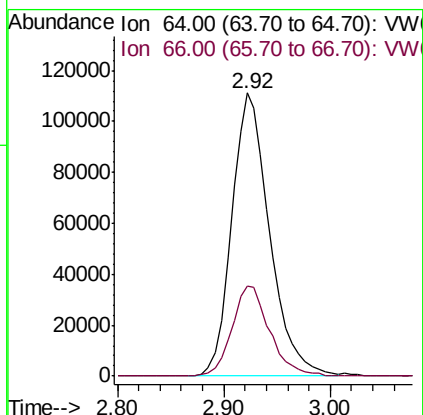
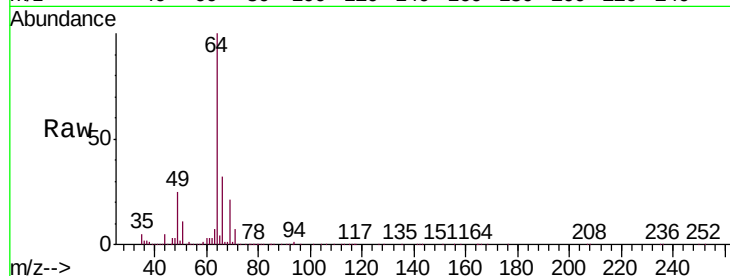
VSTD02508

Tgt Ion: 64 Resp: 275054

Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 22.603 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014817.D

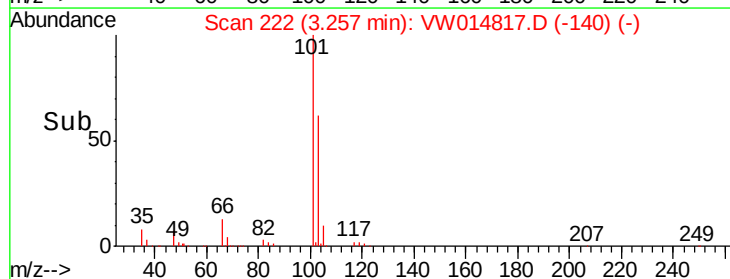
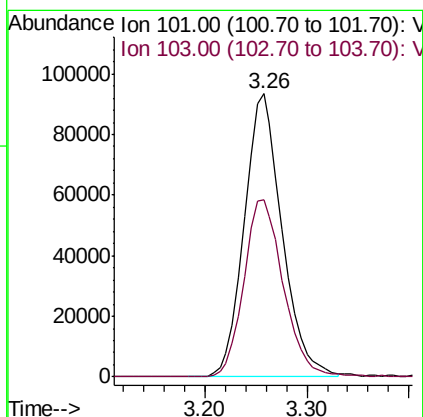
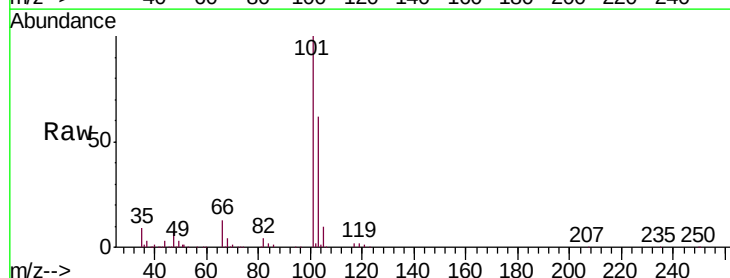
Acq: 30 Jan 2020 19:29

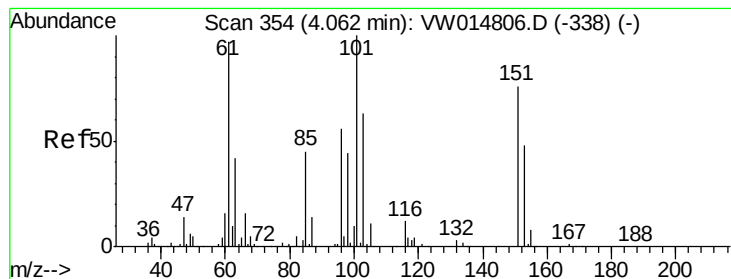
Tgt Ion: 101 Resp: 241006

Ion Ratio Lower Upper

101 100

103 65.0 45.1 83.9





#11

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

Concen: 25.471 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

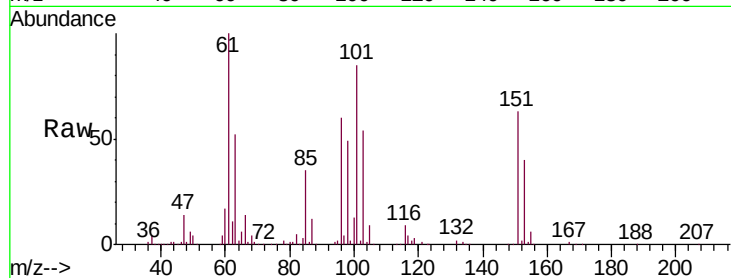
Tgt Ion:101 Resp: 387931

Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.6

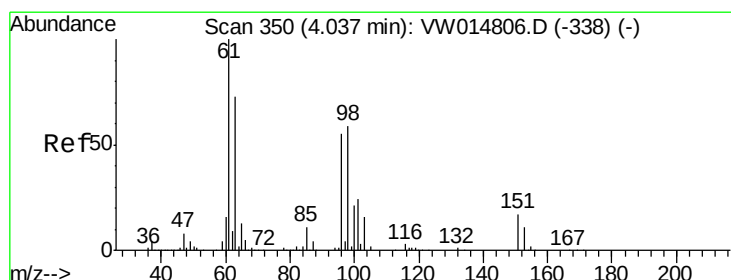
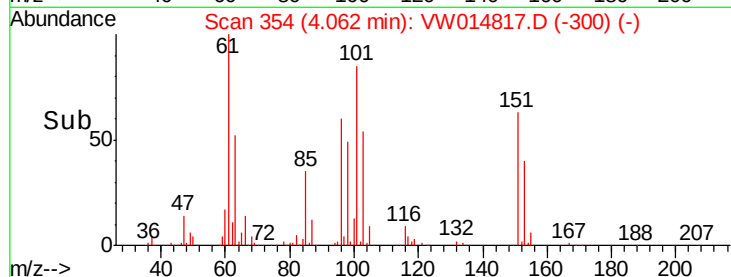
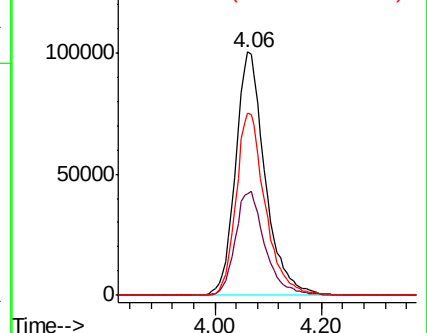
151 74.0 59.7 89.5



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: 25.864 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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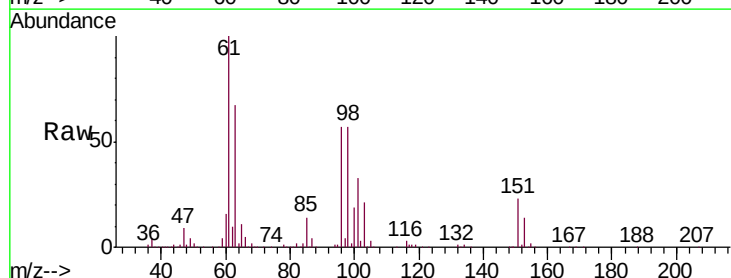
Tgt Ion: 96 Resp: 388459

Ion Ratio Lower Upper

96 100

61 174.0 124.3 230.9

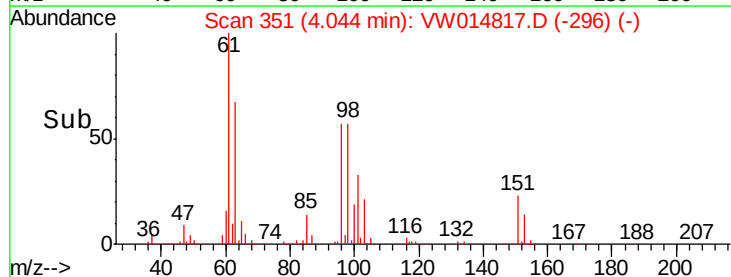
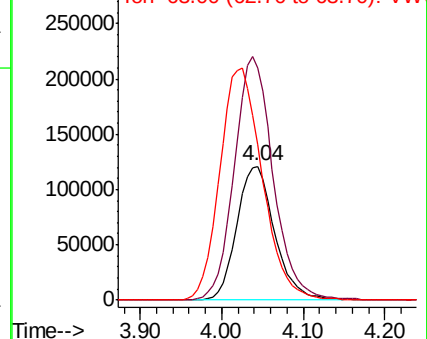
63 116.3 107.0 198.6

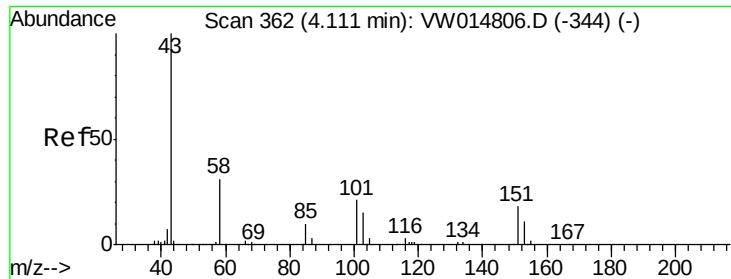


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.498 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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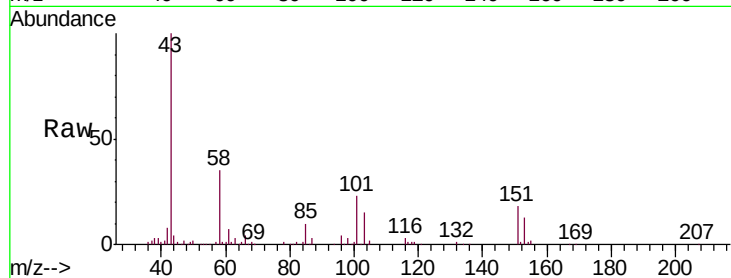
VSTD02508

Tgt Ion: 43 Resp: 209319

Ion Ratio Lower Upper

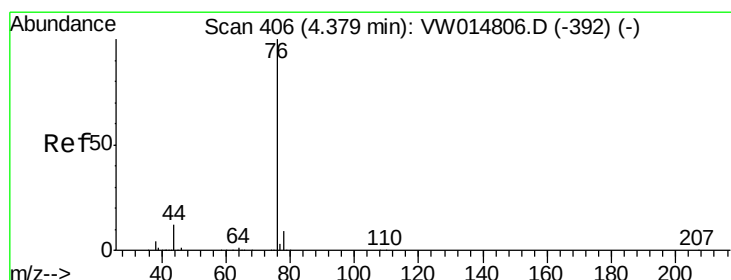
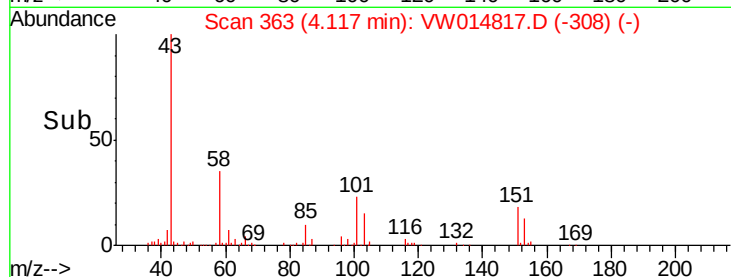
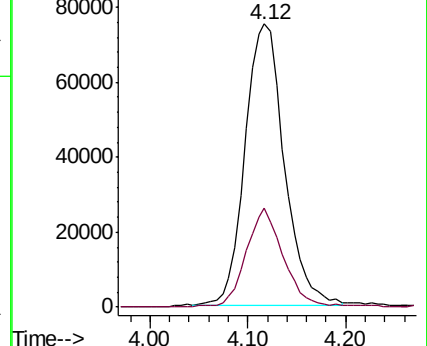
43 100

58 33.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.399 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014817.D

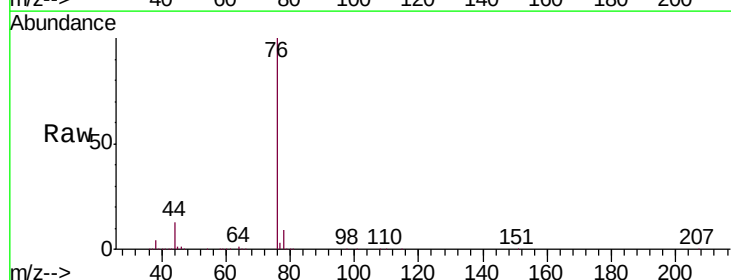
Acq: 30 Jan 2020 19:29

Tgt Ion: 76 Resp: 1199582

Ion Ratio Lower Upper

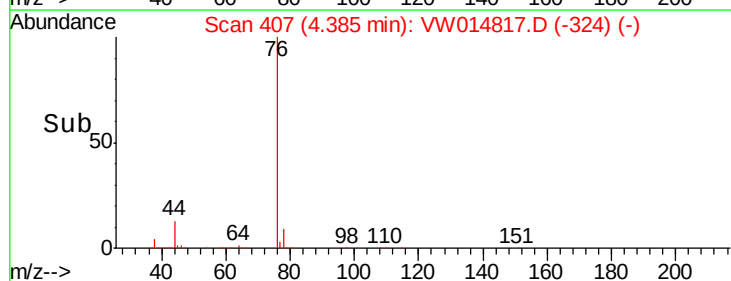
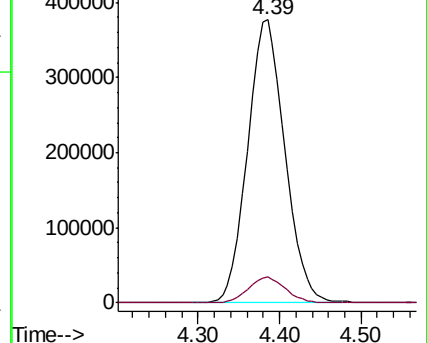
76 100

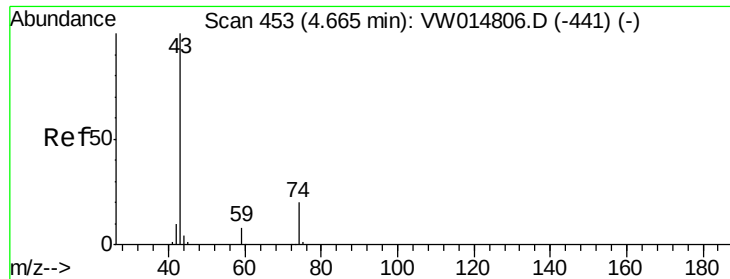
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

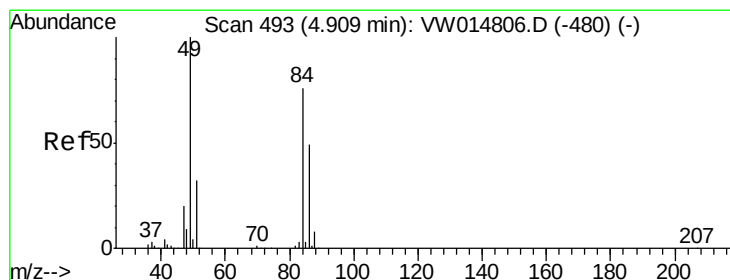
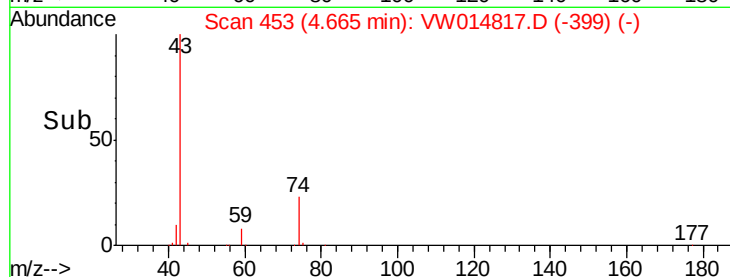
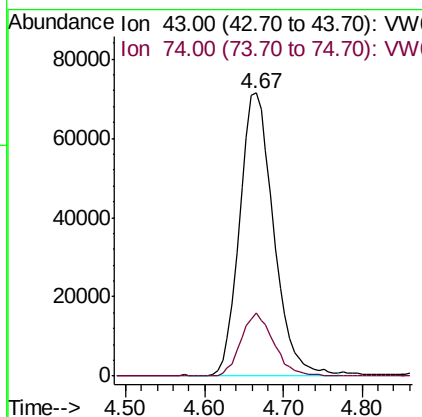
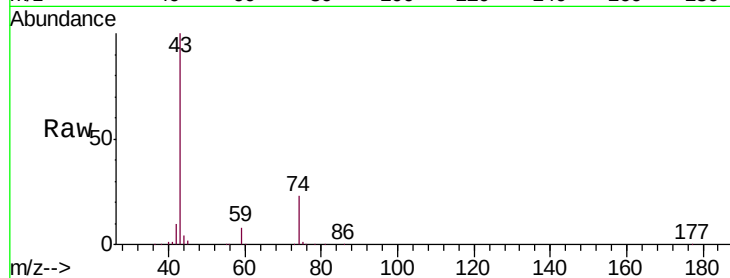




#15
Methyl Acetate
Concen: 27.066 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

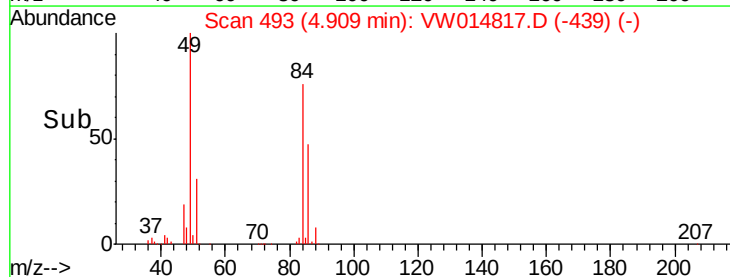
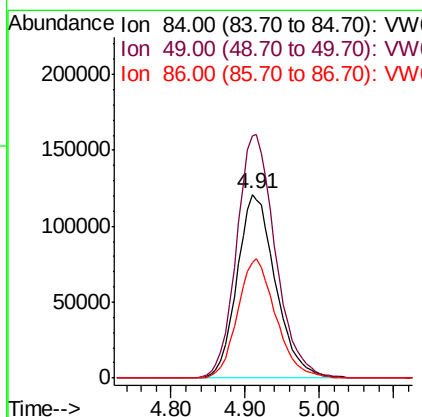
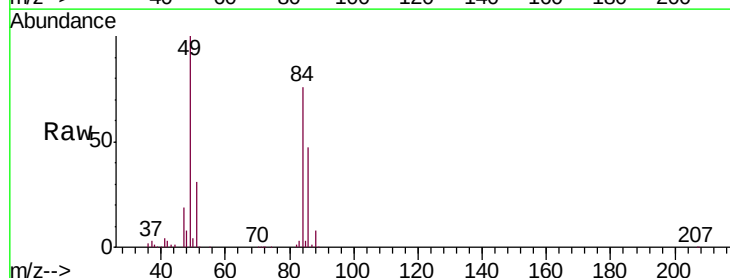
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

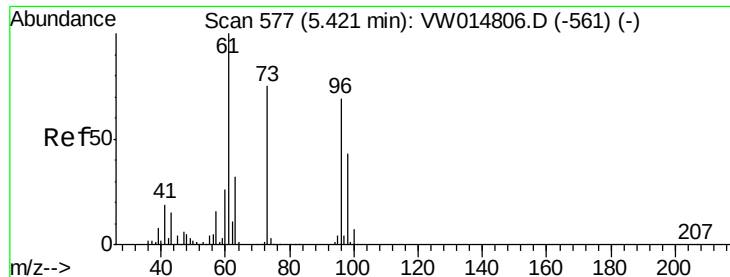
Tgt Ion: 43 Resp: 214058
Ion Ratio Lower Upper
43 100
74 21.5 18.0 27.0



#16
Methylene chloride
Concen: 23.557 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

Tgt Ion: 84 Resp: 437986
Ion Ratio Lower Upper
84 100
49 132.0 90.9 168.7
86 62.6 43.5 80.7

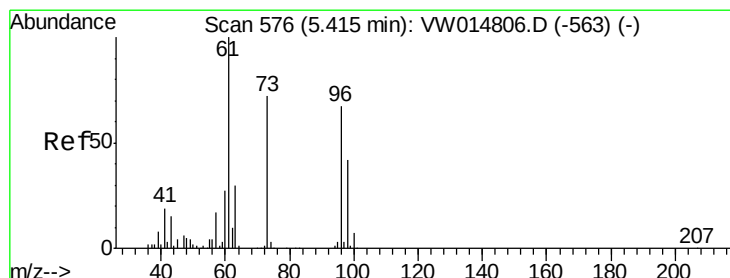
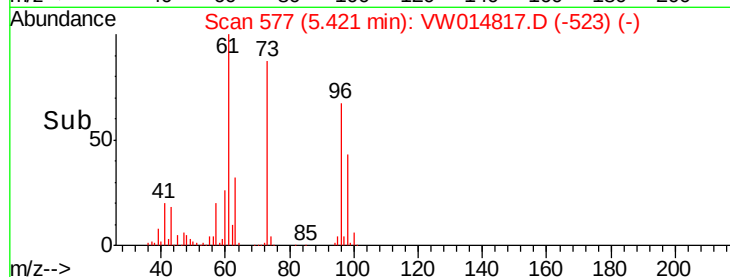
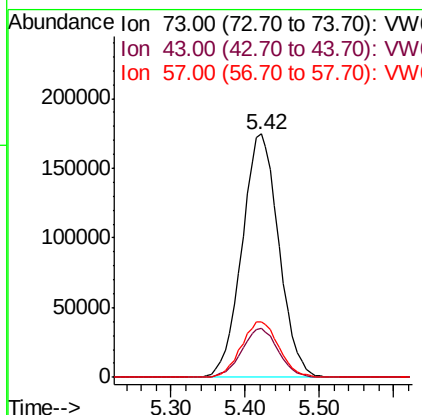
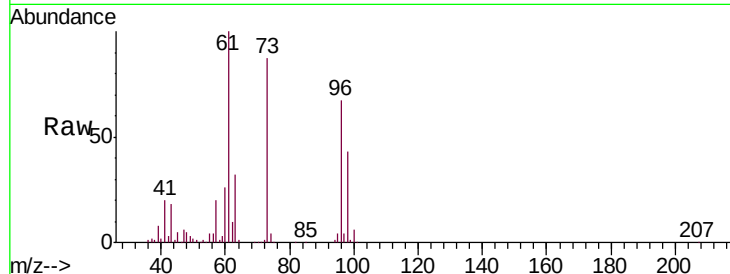




#17
Methyl tert-butyl Ether
Concen: 30.416 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

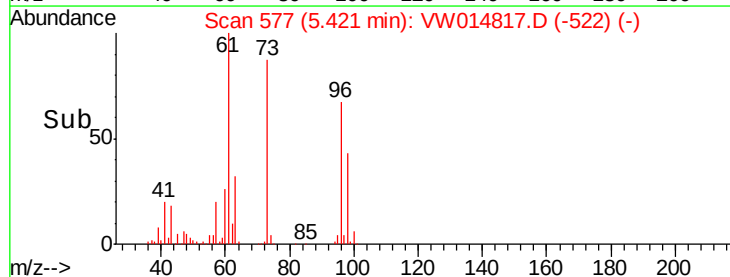
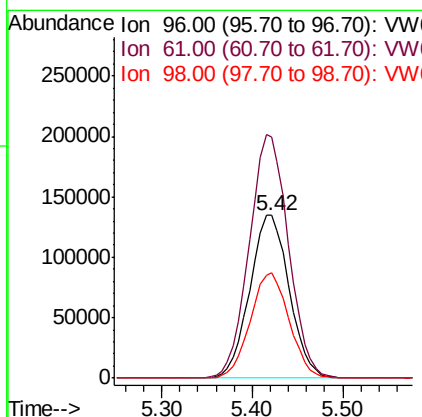
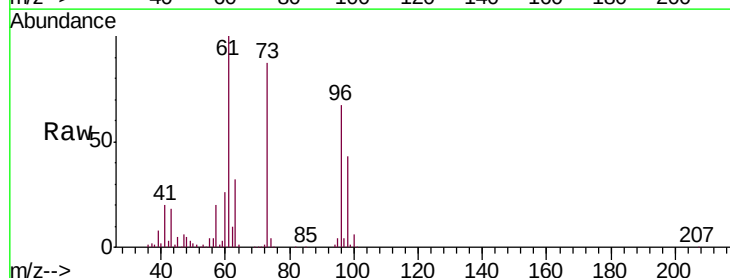
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

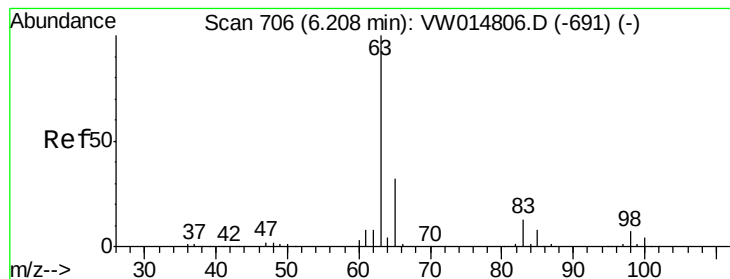
Tgt Ion: 73 Resp: 603855
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.4
57 23.4 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 26.152 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

Tgt Ion: 96 Resp: 405820
Ion Ratio Lower Upper
96 100
61 148.2 100.2 186.0
98 64.4 43.1 80.1





#19

1,1-Dichloroethane

Concen: 26.207 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

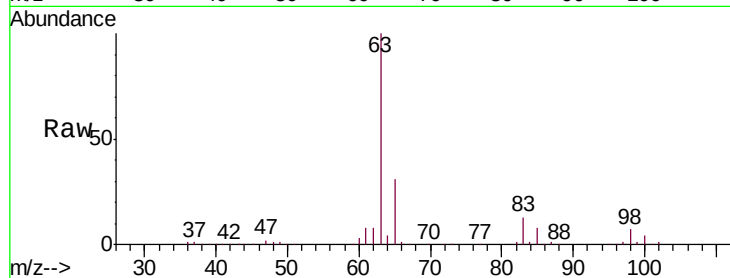
Tgt Ion: 63 Resp: 762626

Ion Ratio Lower Upper

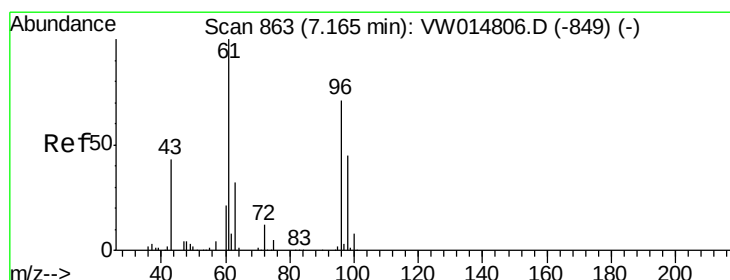
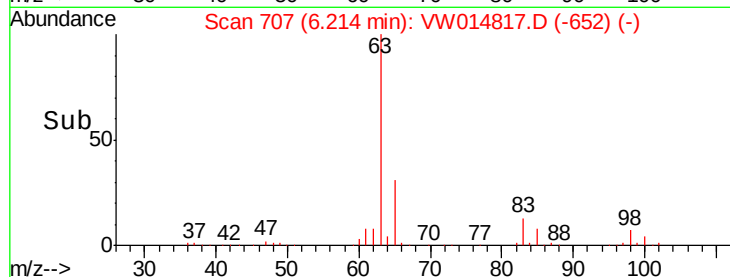
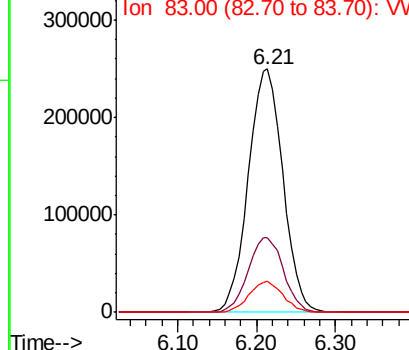
63 100

65 30.6 21.7 40.3

83 12.8 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 44.162 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014817.D

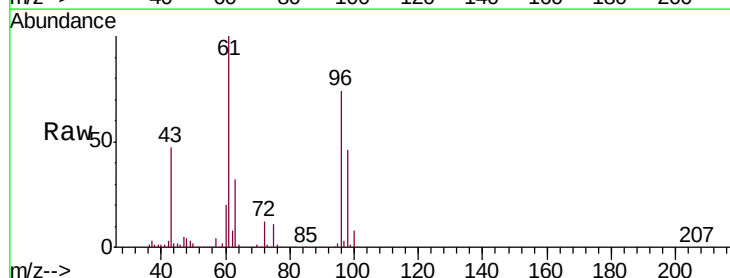
Acq: 30 Jan 2020 19:29

Tgt Ion: 43 Resp: 262047

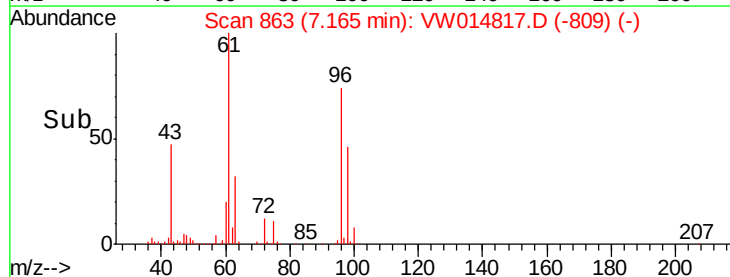
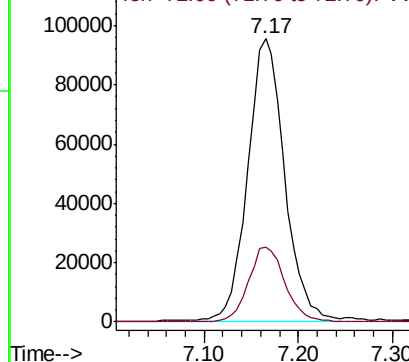
Ion Ratio Lower Upper

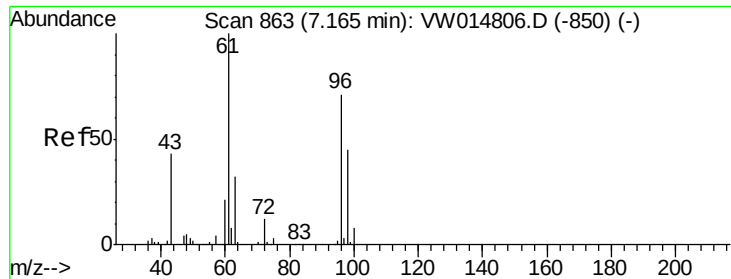
43 100

72 26.3 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



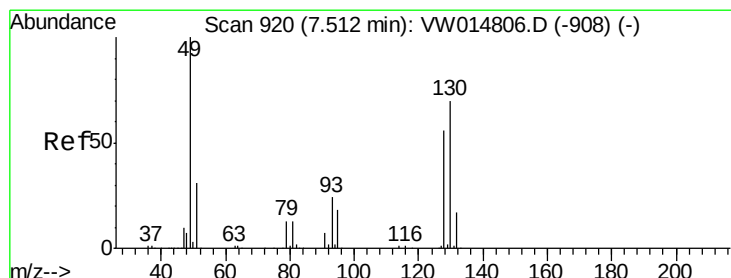
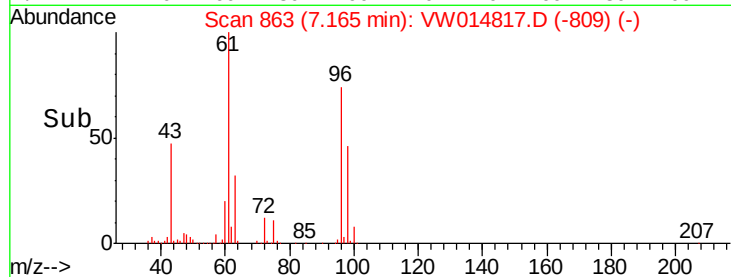
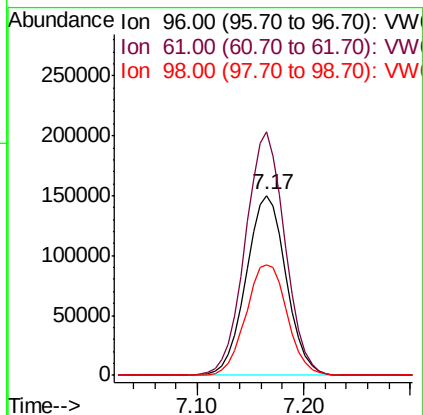
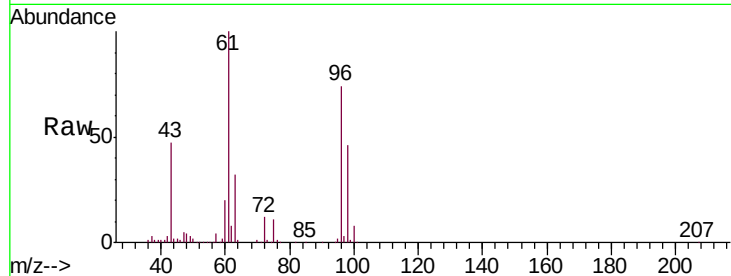


#22

cis-1,2-Dichloroethene
 Concen: 24.365 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

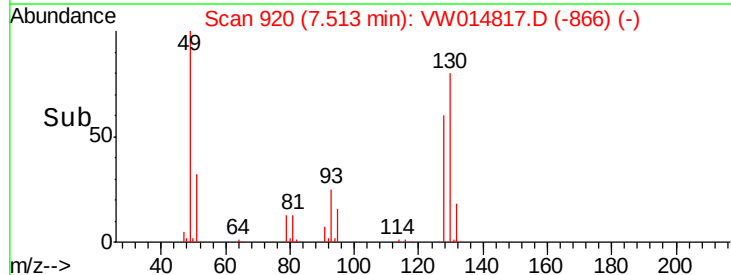
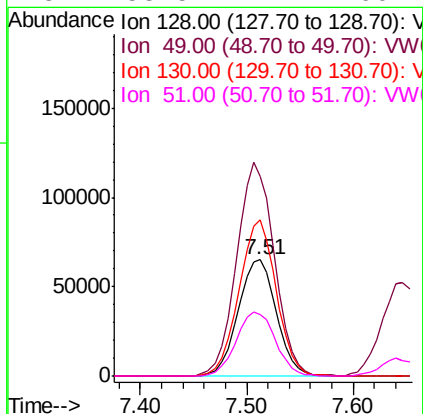
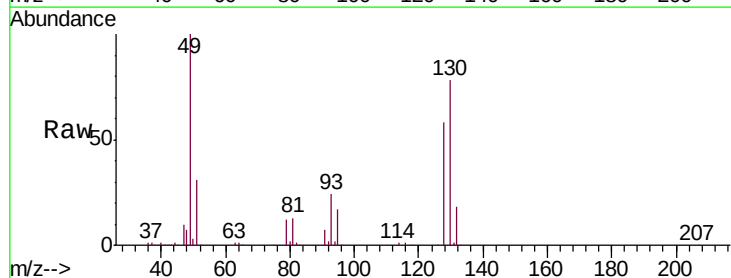
Tgt Ion: 96 Resp: 395851
 Ion Ratio Lower Upper
 96 100
 61 135.1 94.1 174.7
 98 61.6 44.9 83.3

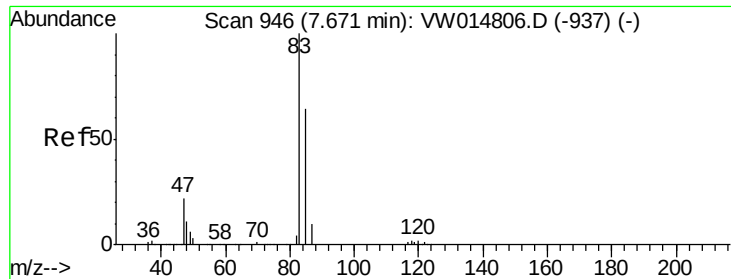


#23

Bromochloromethane
 Concen: 23.050 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Tgt Ion: 128 Resp: 163637
 Ion Ratio Lower Upper
 128 100
 49 172.0 127.7 237.1
 130 134.0 93.4 173.6
 51 53.5 44.1 66.1

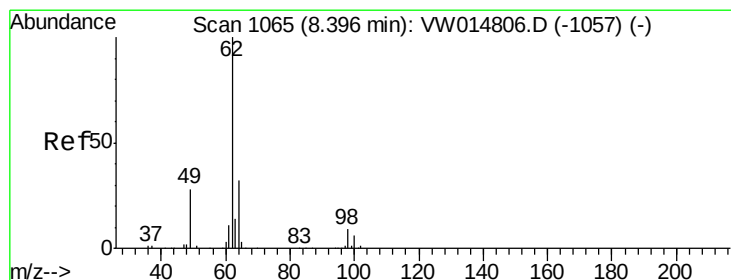
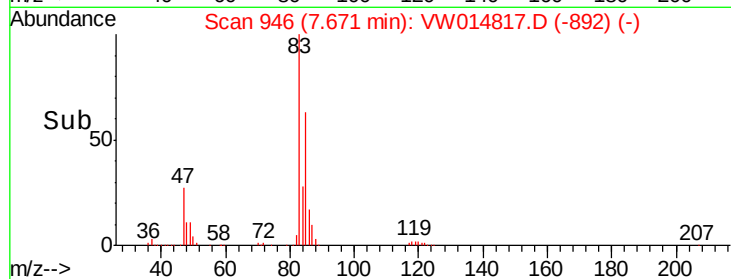
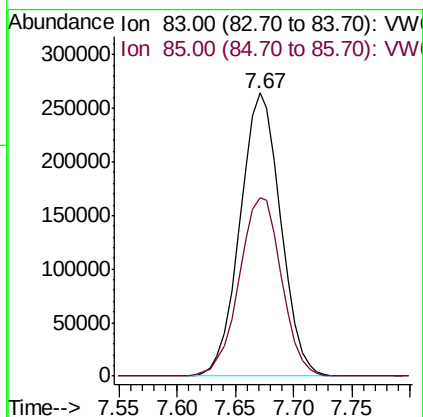
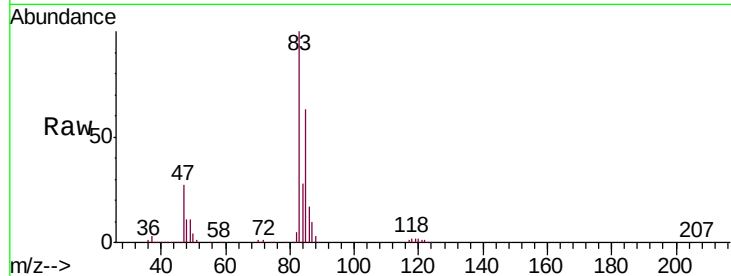




#25
Chloroform
Concen: 23.708 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

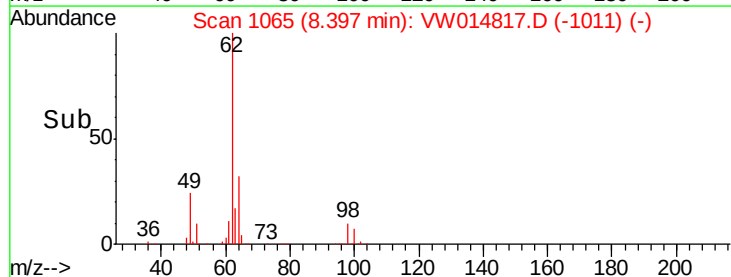
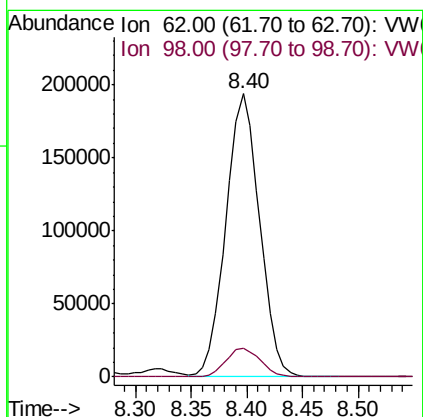
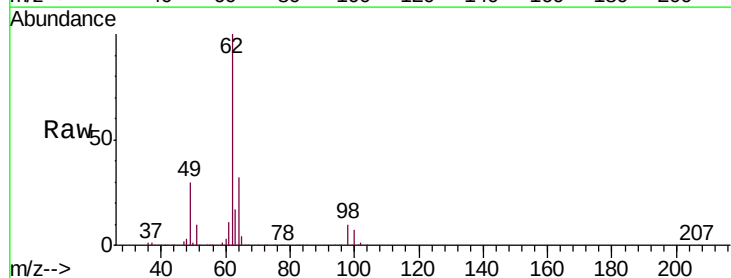
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

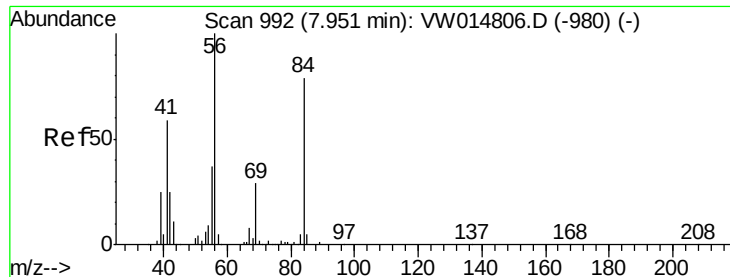
Tgt Ion: 83 Resp: 643700
Ion Ratio Lower Upper
83 100
85 65.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 22.671 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

Tgt Ion: 62 Resp: 406711
Ion Ratio Lower Upper
62 100
98 10.3 7.5 11.3

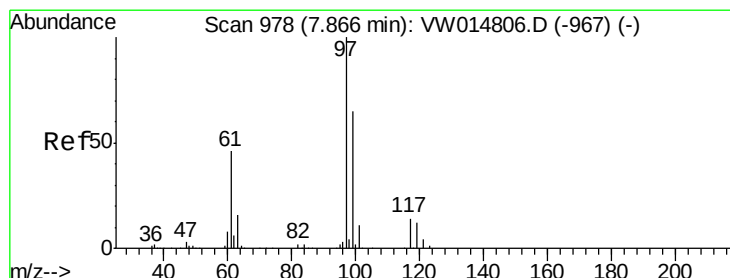
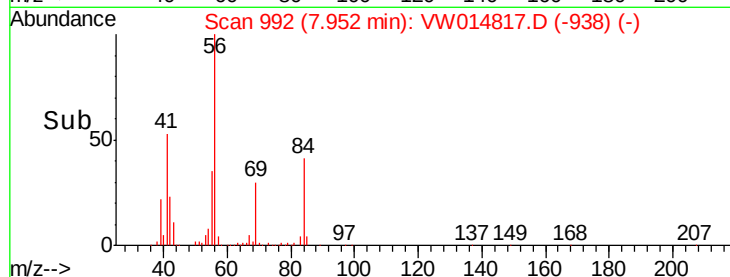
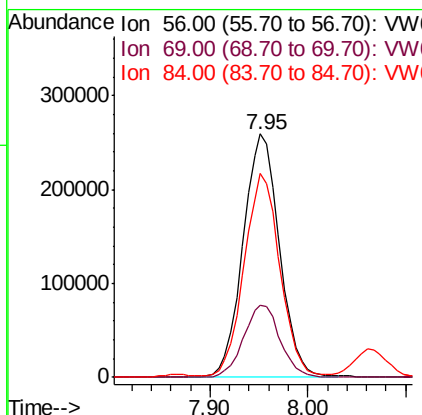
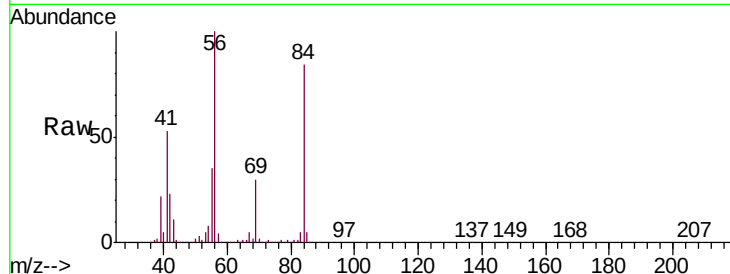




#30
Cyclohexane
Concen: 26.609 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

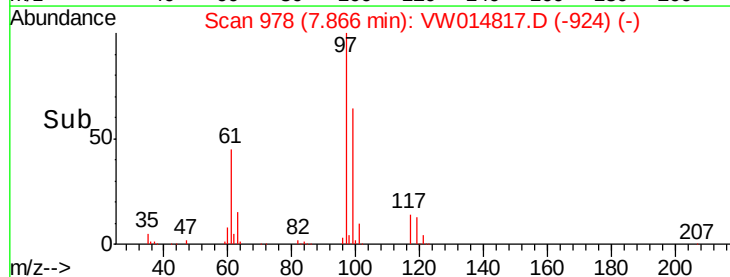
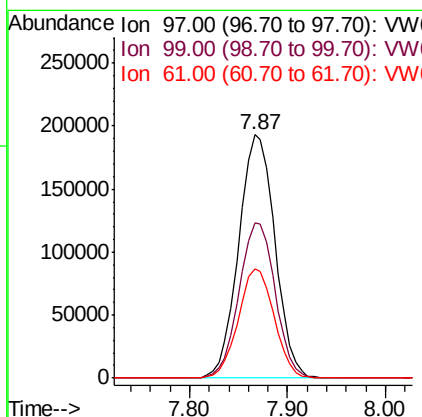
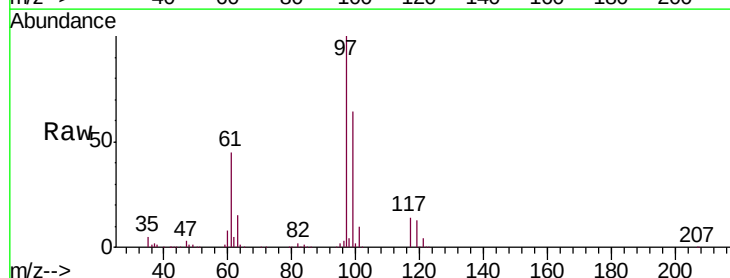
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

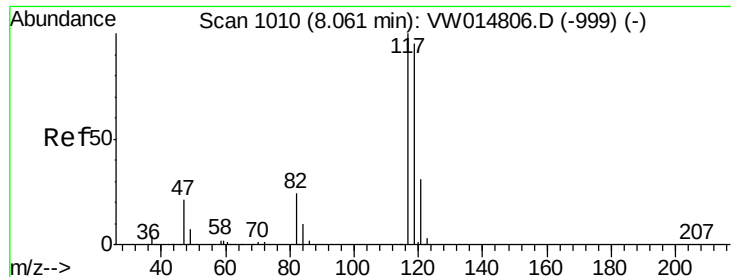
Tgt Ion: 56 Resp: 669304
Ion Ratio Lower Upper
56 100
69 29.6 23.8 35.6
84 82.6 64.8 97.2



#31
1,1,1-Trichloroethane
Concen: 24.755 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

Tgt Ion: 97 Resp: 497896
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 44.4 36.4 54.6





#32

Carbon tetrachloride

Concen: 24.120 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

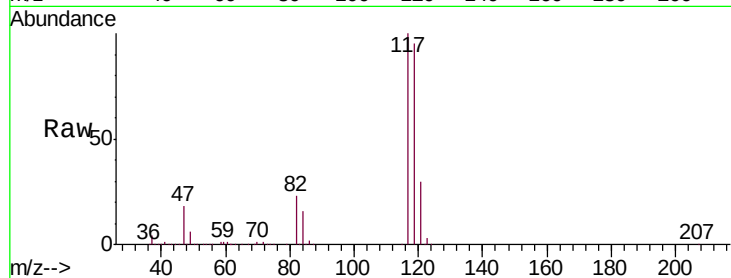
VSTD02508

Tgt Ion:117 Resp: 454625

Ion Ratio Lower Upper

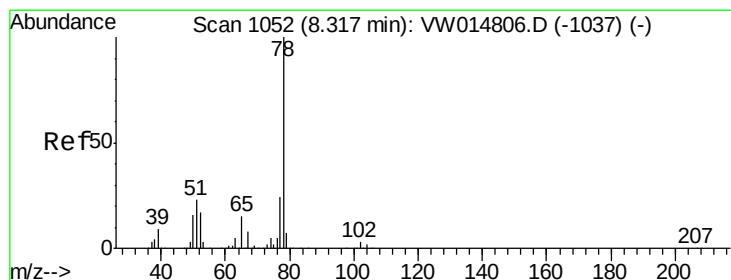
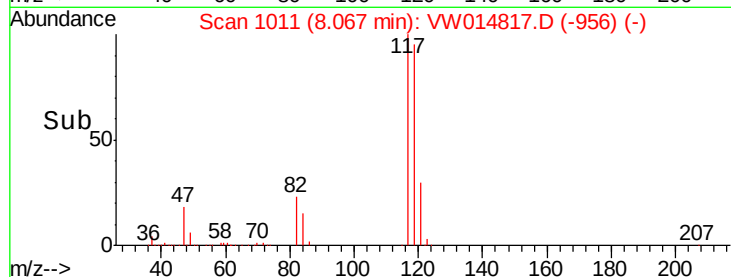
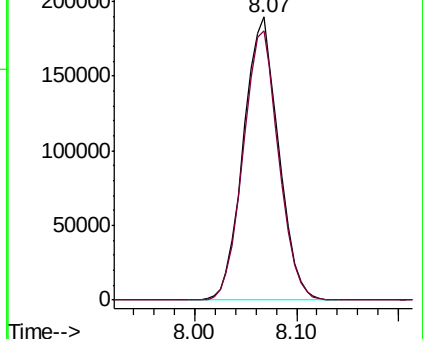
117 100

119 95.7 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.747 ug/L

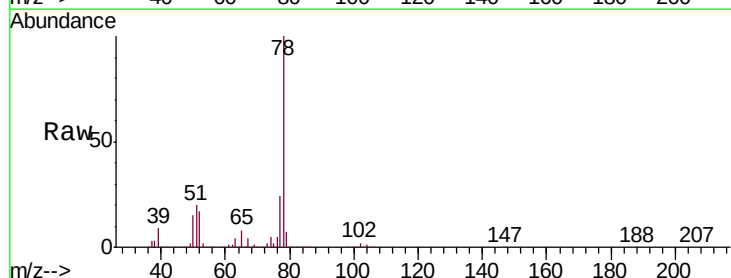
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

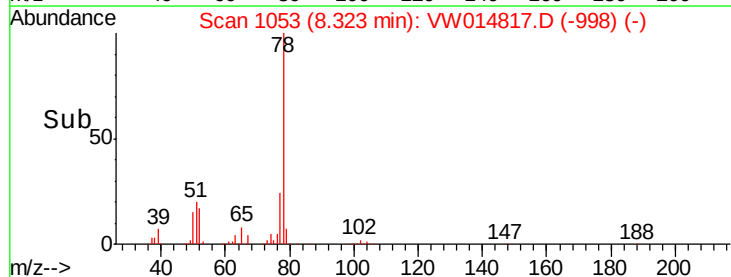
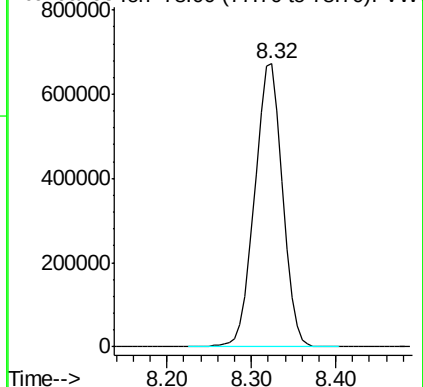
Lab File: VW014817.D

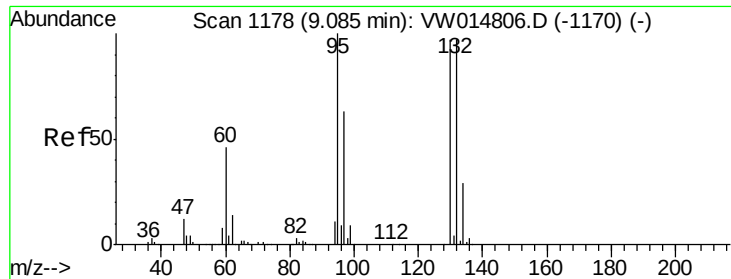
Acq: 30 Jan 2020 19:29

Tgt Ion: 78 Resp: 1518847



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.559 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 95 Resp: 383039

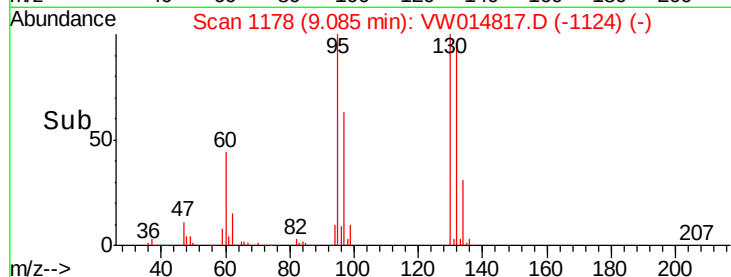
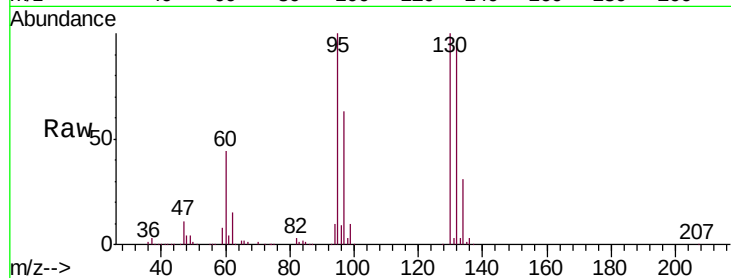
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 97.6 67.1 124.7

130 102.3 69.9 129.7

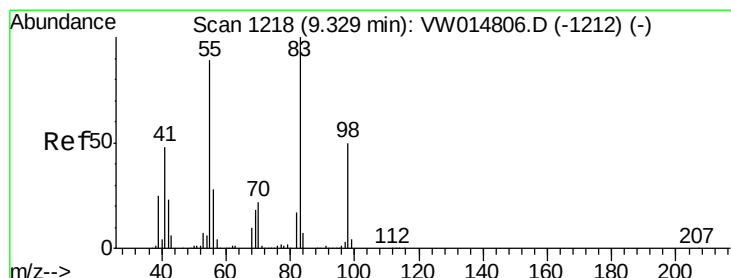
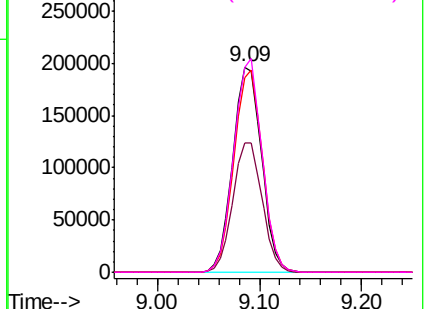


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.178 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

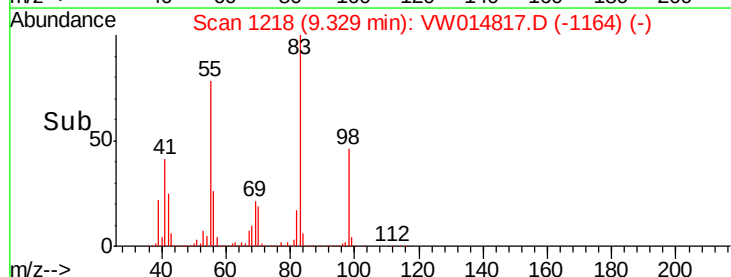
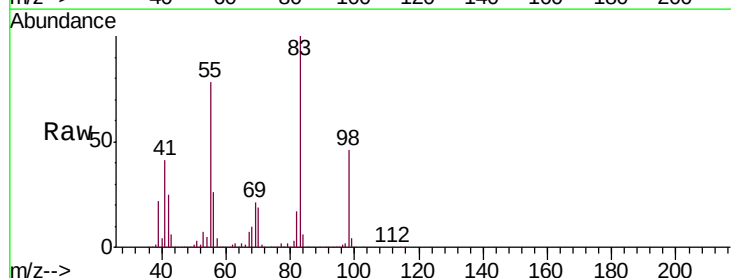
Tgt Ion: 83 Resp: 656444

Ion Ratio Lower Upper

83 100

55 78.8 65.6 98.4

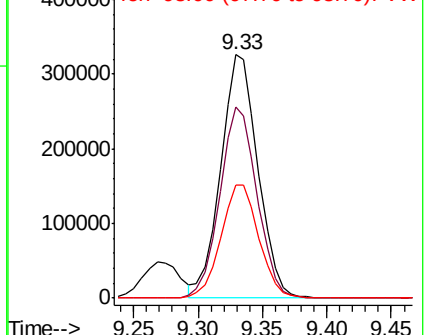
98 47.4 38.0 57.0

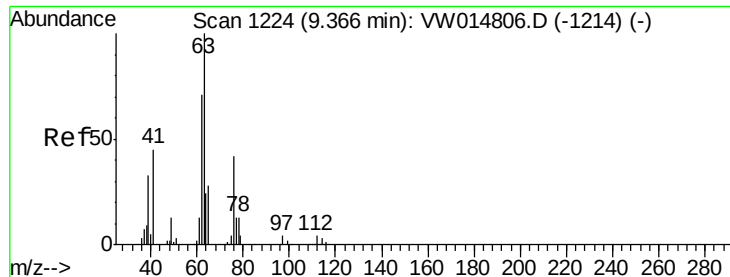


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

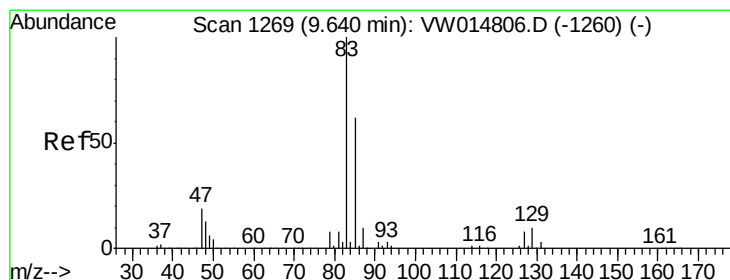
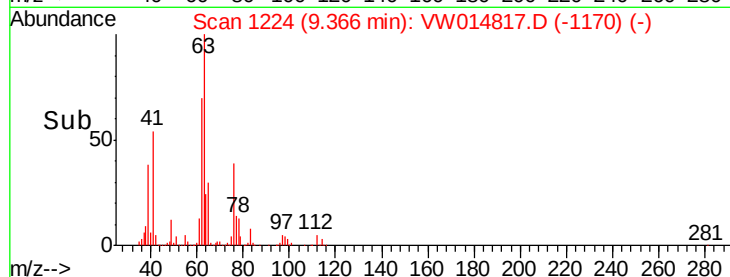
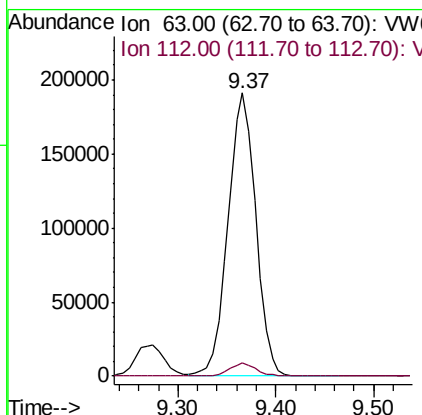
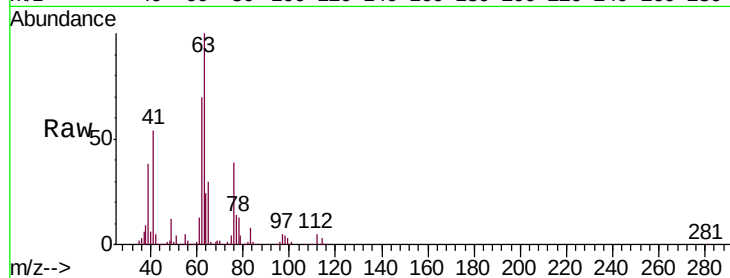




#40
 1,2-Dichloropropane
 Concen: 25.208 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

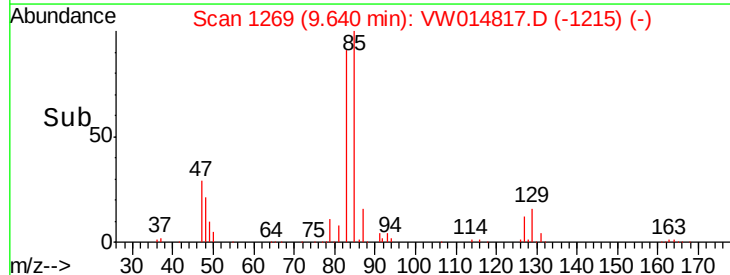
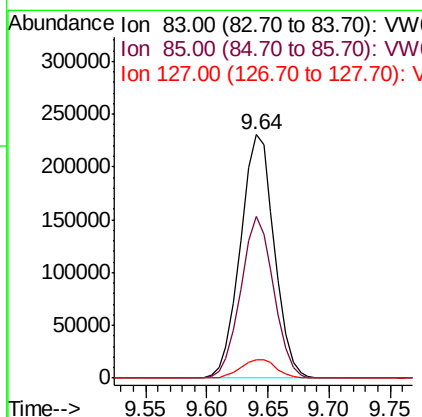
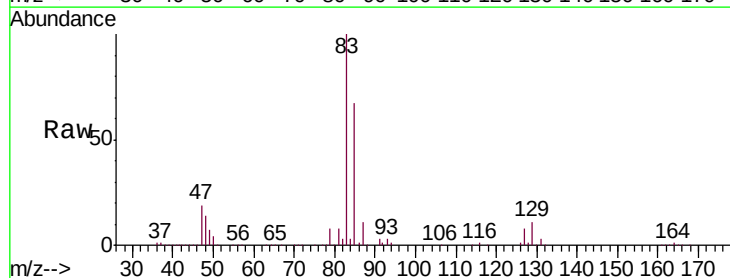
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

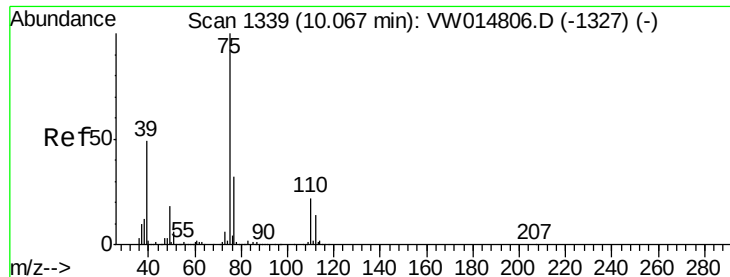
Tgt Ion: 63 Resp: 376986
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 24.749 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Tgt Ion: 83 Resp: 442329
 Ion Ratio Lower Upper
 83 100
 85 66.6 45.7 84.9
 127 7.7 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 26.457 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

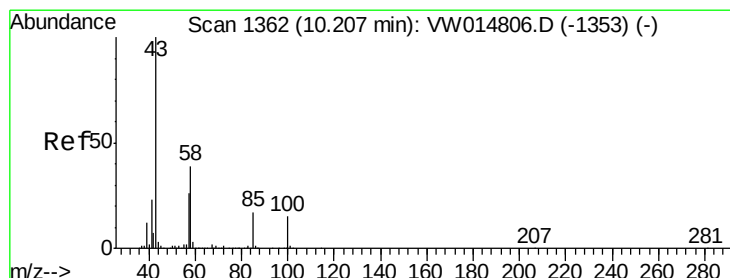
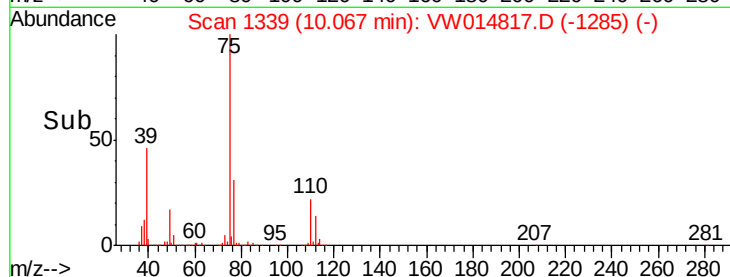
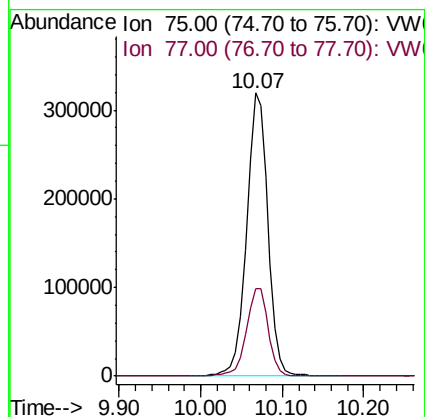
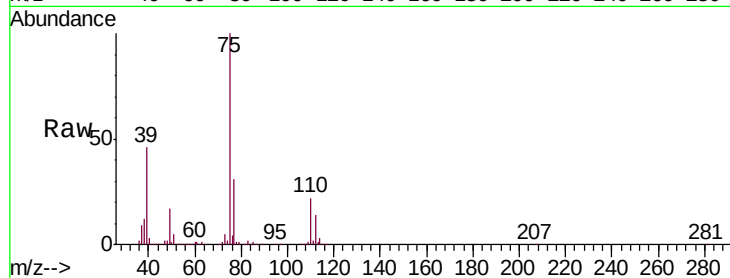
VSTD02508

Tgt Ion: 75 Resp: 577895

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 53.583 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

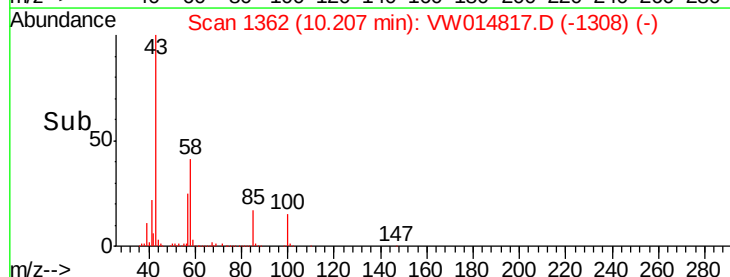
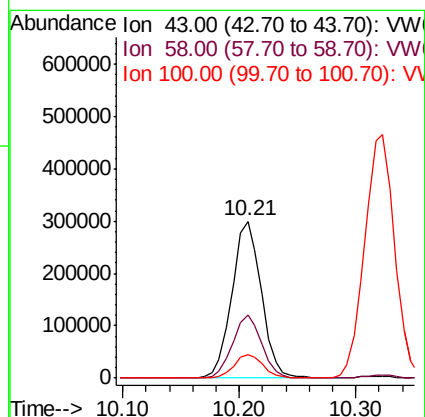
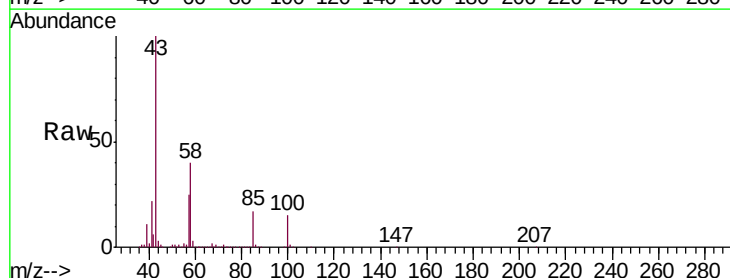
Tgt Ion: 43 Resp: 526904

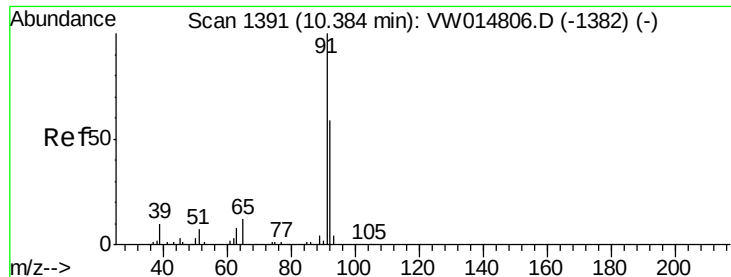
Ion Ratio Lower Upper

43 100

58 40.0 30.9 46.3

100 15.0 11.8 17.6





#44

Toluene

Concen: 25.334 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

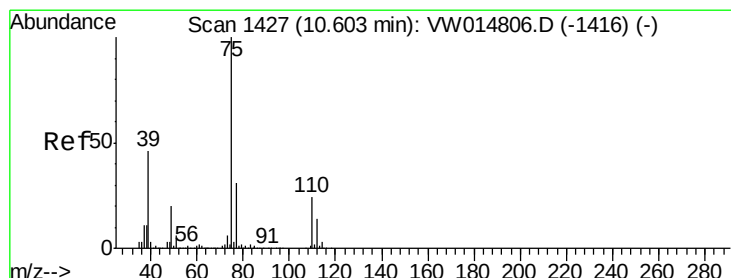
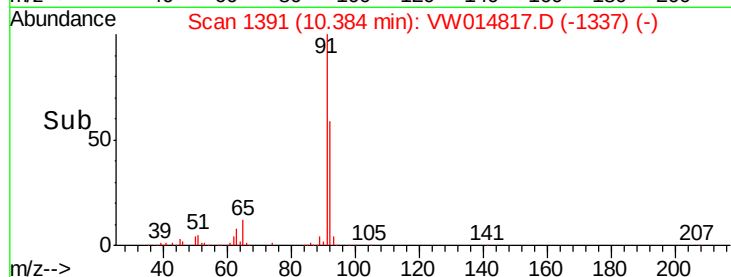
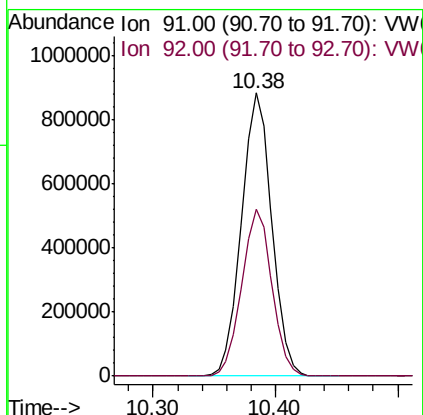
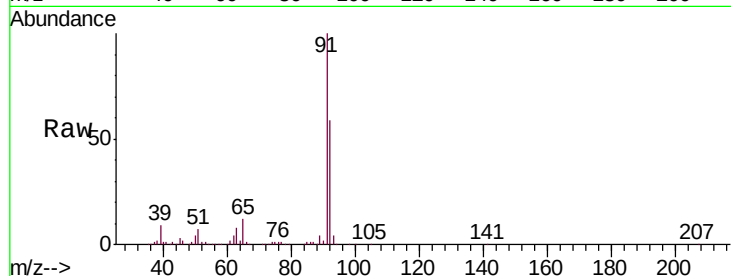
VSTD02508

Tgt Ion: 91 Resp: 1518593

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.717 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014817.D

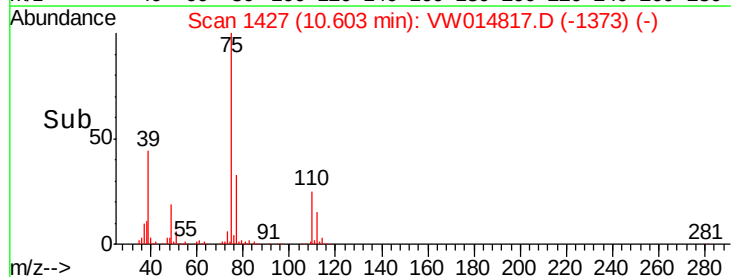
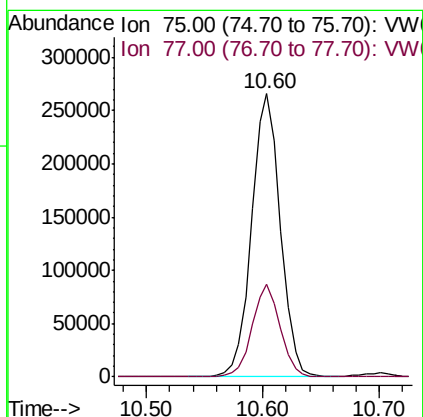
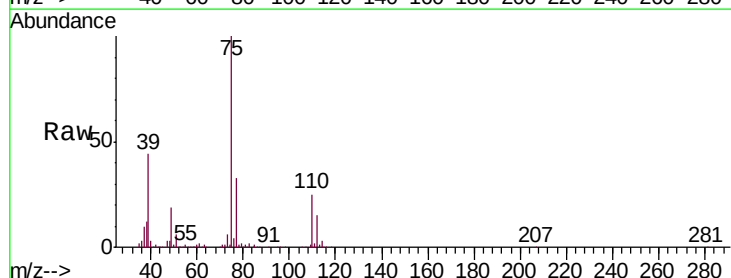
Acq: 30 Jan 2020 19:29

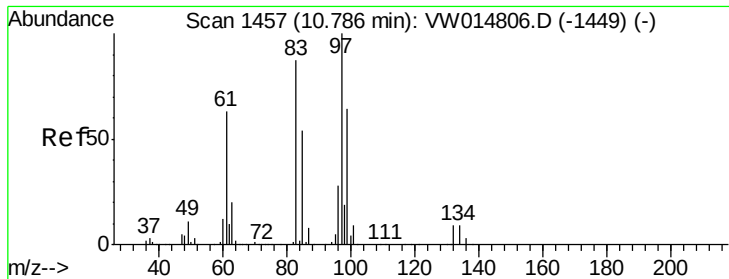
Tgt Ion: 75 Resp: 456013

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.0

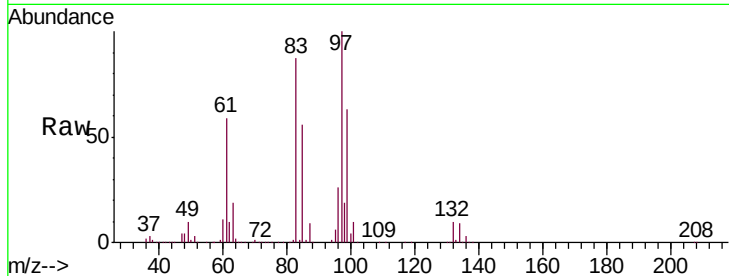




#46
 1,1,2-Trichloroethane
 Concen: 25.420 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	97	Resp:	259508
Ion	Ratio	Lower	Upper
97	100		
83	87.0	60.9	113.1
85	55.9	39.2	72.8
99	63.4	43.0	80.0



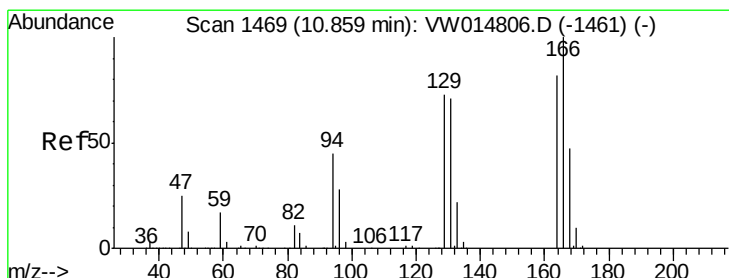
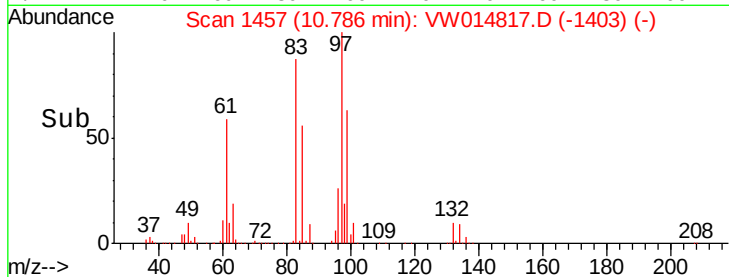
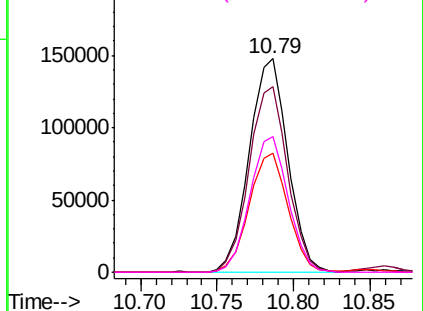
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

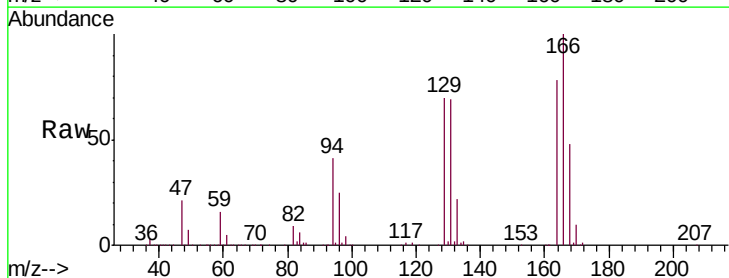
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.837 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Tgt Ion:	164	Resp:	297405
Ion	Ratio	Lower	Upper
164	100		
129	90.6	64.4	119.6
131	89.0	61.2	113.6
166	128.7	88.8	165.0



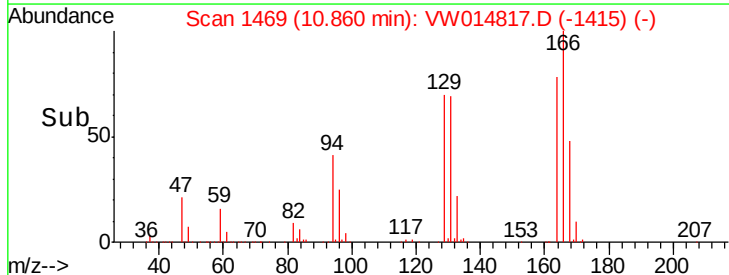
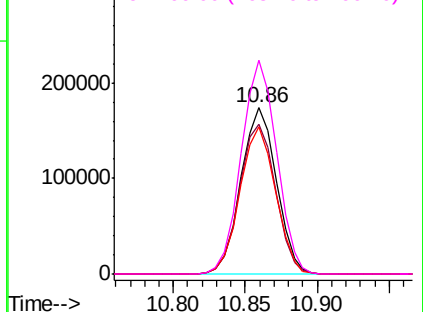
Abundance

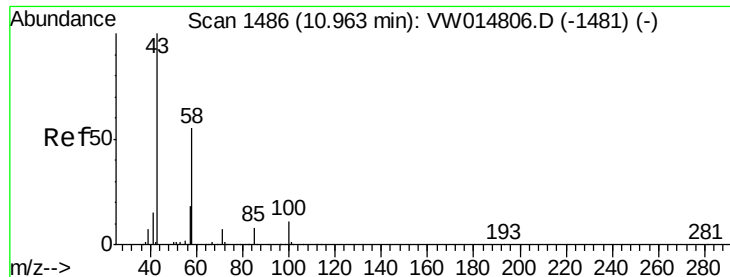
Ion 164.00 (163.70 to 164.70): V

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

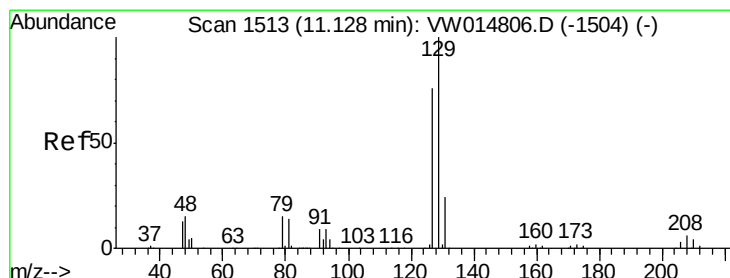
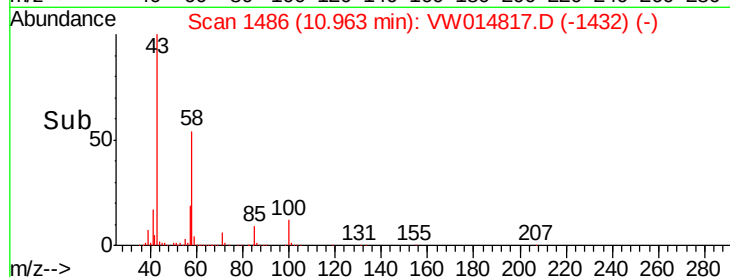
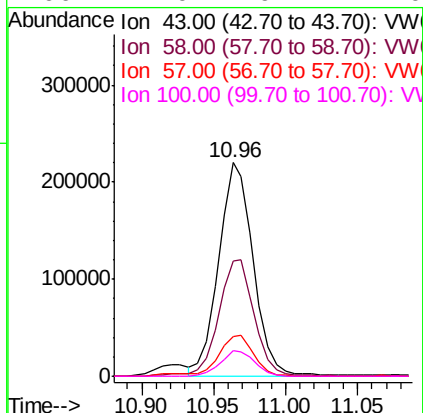
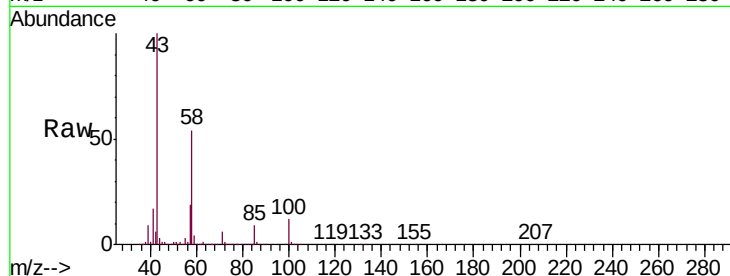




#49
2-Hexanone
Concen: 52.319 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

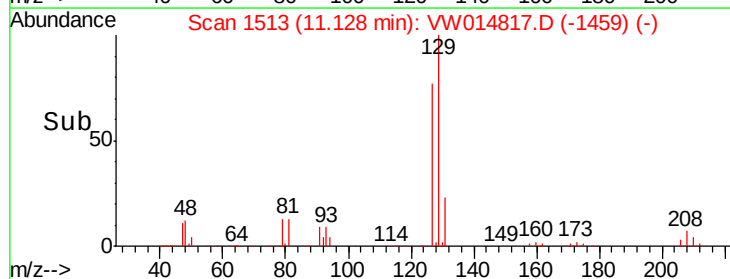
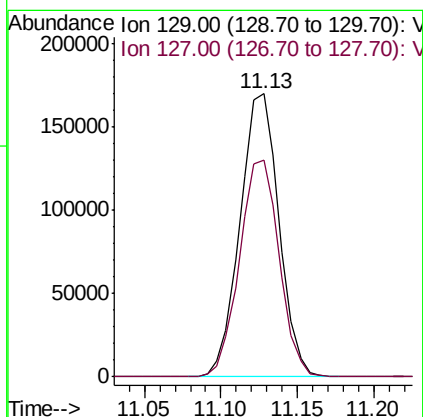
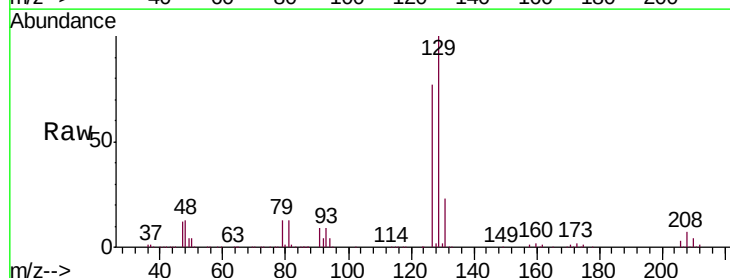
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

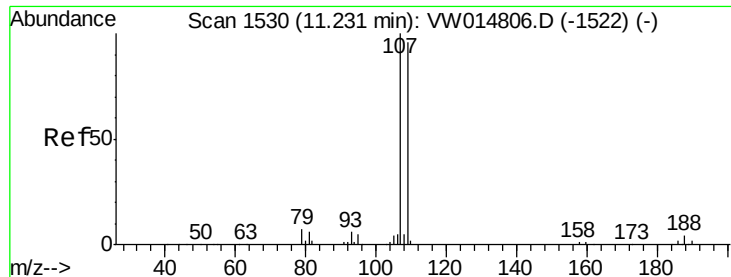
Tgt Ion: 43 Resp: 369892
Ion Ratio Lower Upper
43 100
58 54.8 43.2 64.8
57 19.0 14.7 22.1
100 12.0 9.4 14.0



#50
Dibromochloromethane
Concen: 25.864 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014817.D
Acq: 30 Jan 2020 19:29

Tgt Ion: 129 Resp: 301255
Ion Ratio Lower Upper
129 100
127 76.6 55.7 103.5





#51

1,2-Dibromoethane

Concen: 25.760 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

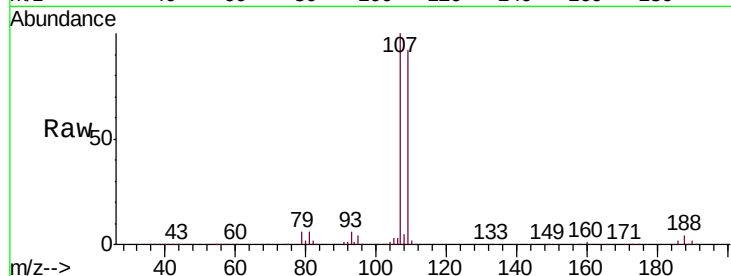
Tgt Ion:107 Resp: 252961

Ion Ratio Lower Upper

107 100

109 92.3 66.6 123.8

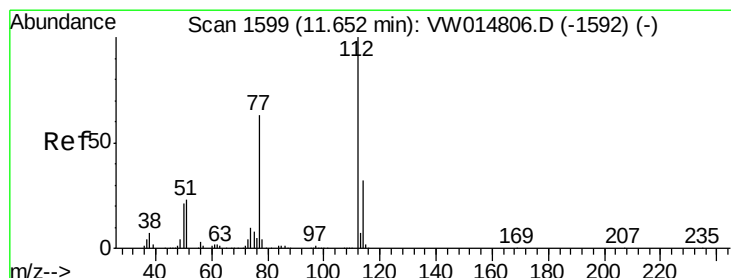
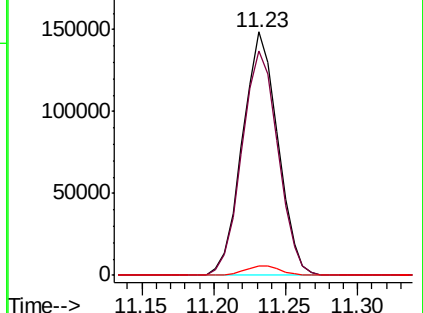
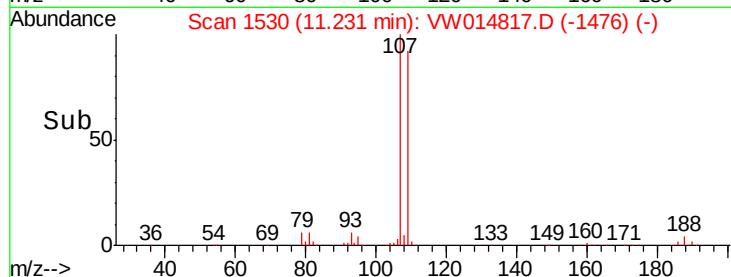
188 3.9 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.715 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

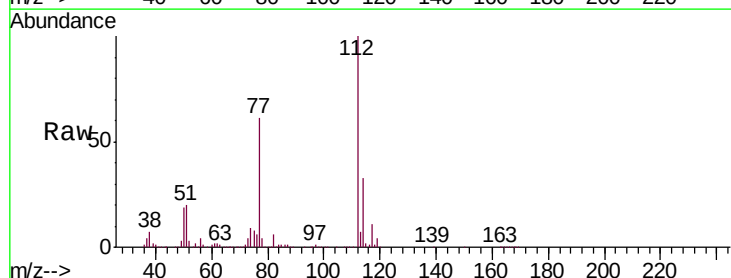
Tgt Ion:112 Resp: 925049

Ion Ratio Lower Upper

112 100

77 60.8 49.2 73.8

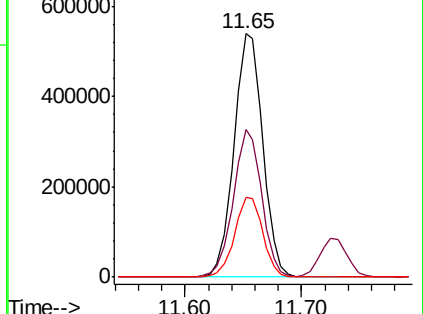
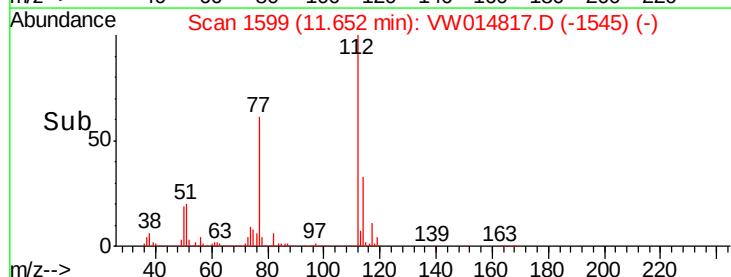
114 32.7 22.5 41.7

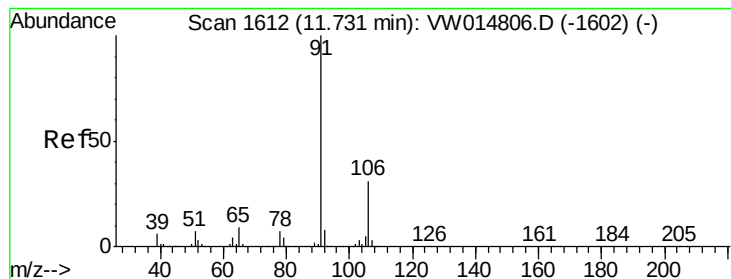


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.989 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

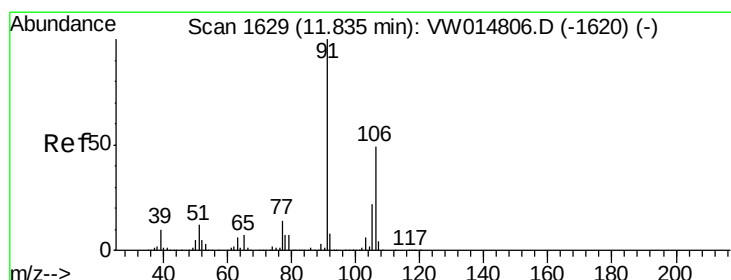
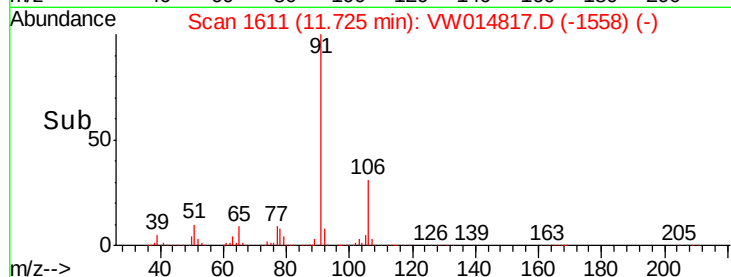
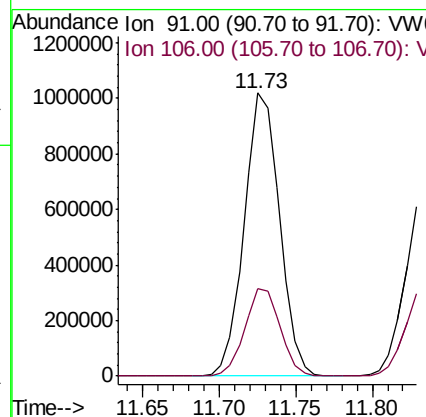
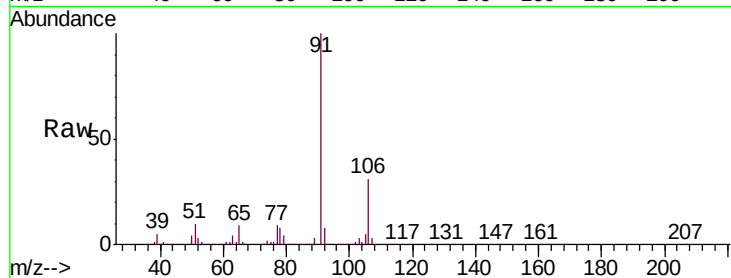
VSTD02508

Tgt Ion: 91 Resp: 1636894

Ion Ratio Lower Upper

91 100

106 31.1 21.1 39.3



#54

m,p-Xylene

Concen: 26.281 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014817.D

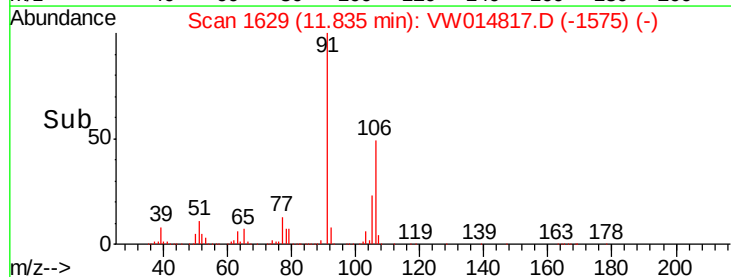
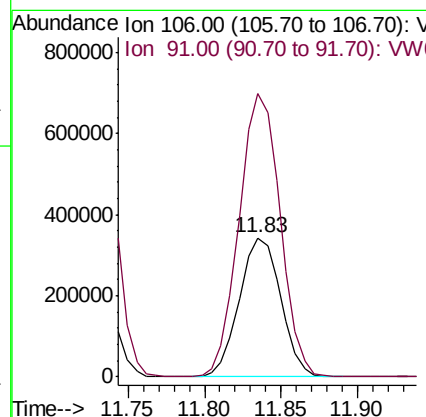
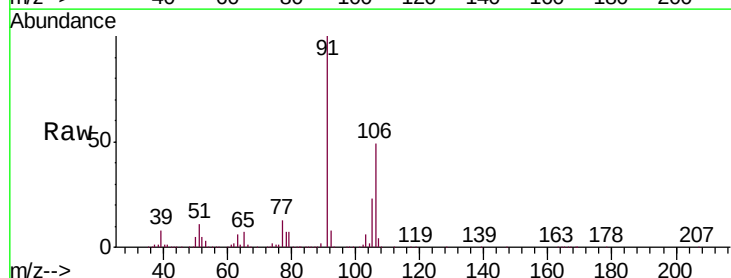
Acq: 30 Jan 2020 19:29

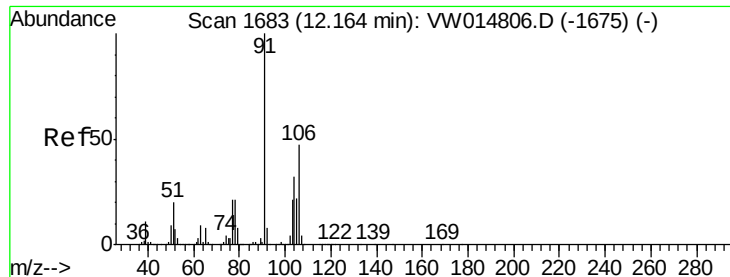
Tgt Ion: 106 Resp: 643545

Ion Ratio Lower Upper

106 100

91 203.6 146.2 271.6





#55

o-xylene

Concen: 26.106 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

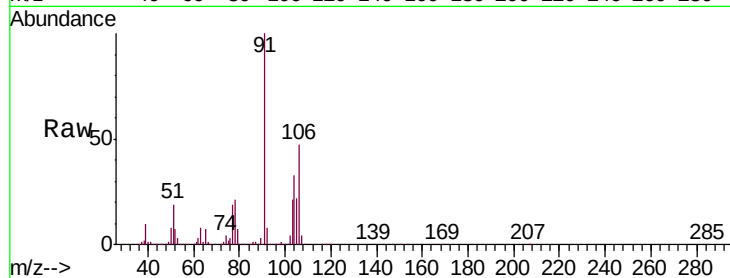
VSTD02508

Tgt Ion:106 Resp: 599803

Ion Ratio Lower Upper

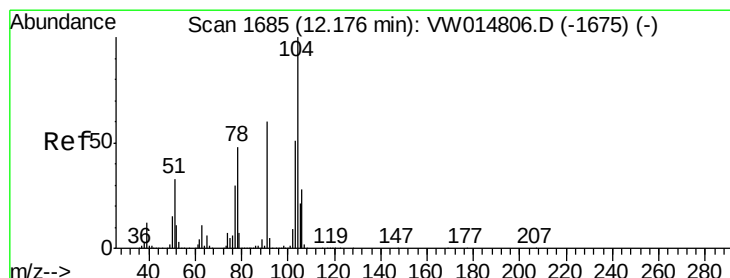
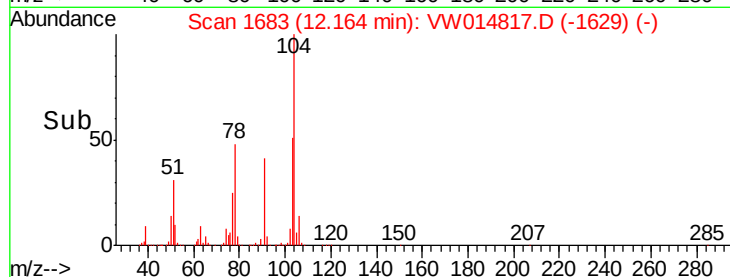
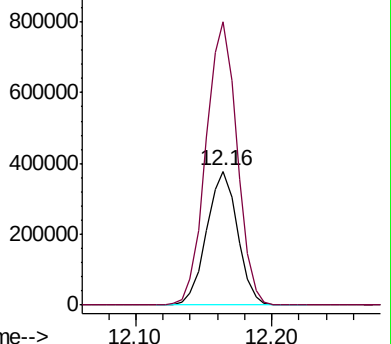
106 100

91 211.7 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.224 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014817.D

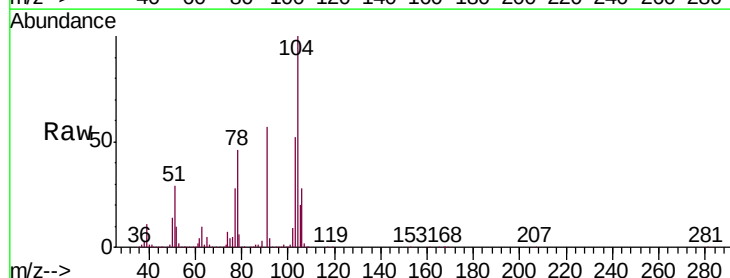
Acq: 30 Jan 2020 19:29

Tgt Ion:104 Resp: 1021871

Ion Ratio Lower Upper

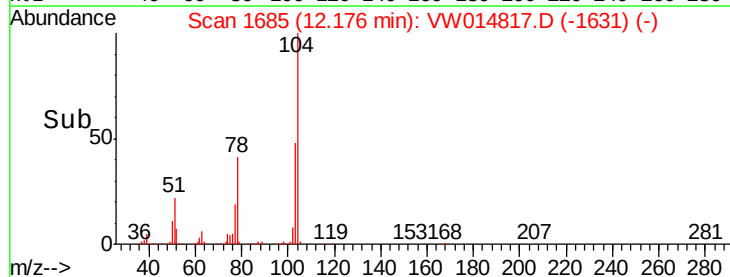
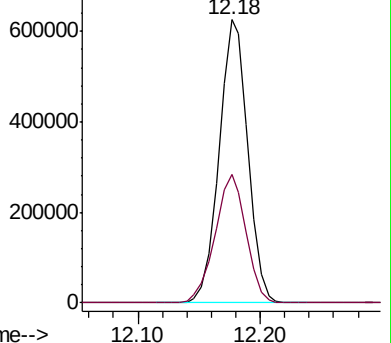
104 100

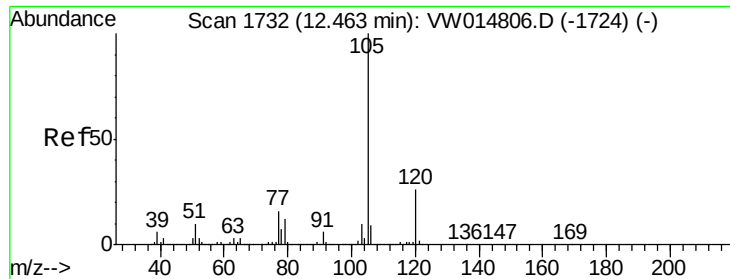
78 45.5 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.915 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

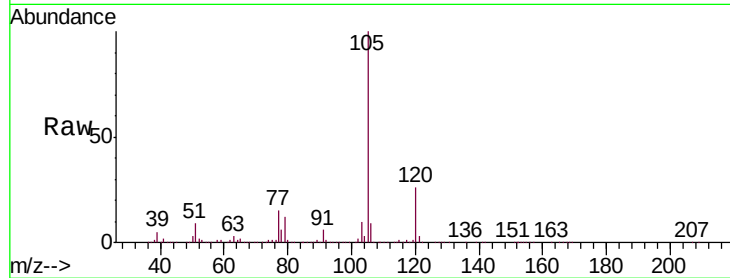
Tgt Ion:105 Resp: 1612596

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

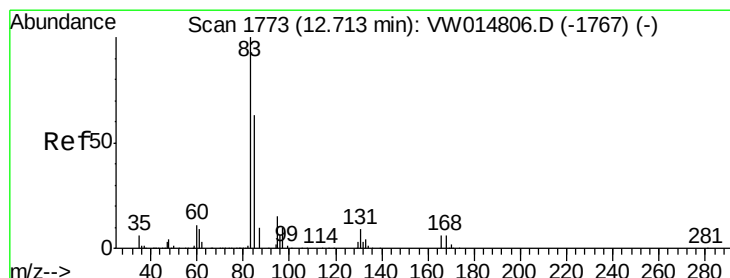
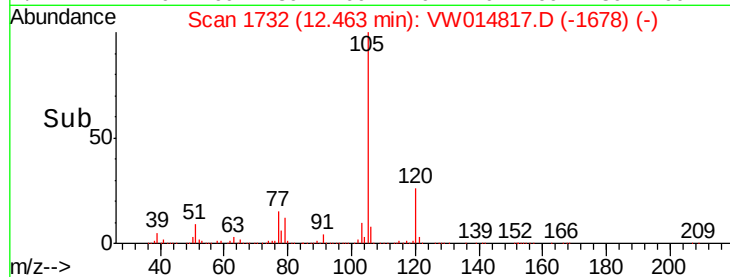
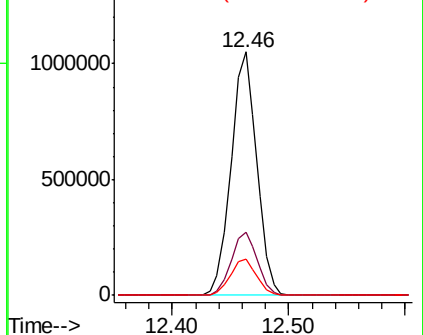
77 15.2 13.0 19.4



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: 24.597 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

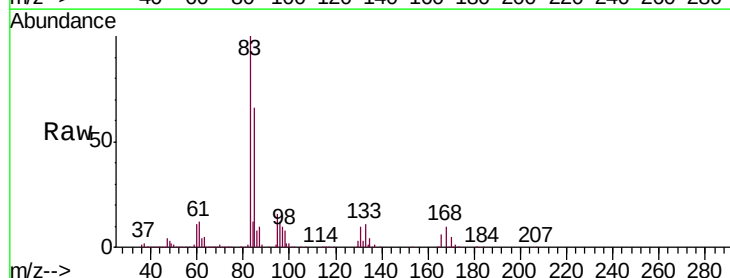
Tgt Ion: 83 Resp: 323528

Ion Ratio Lower Upper

83 100

85 66.0 45.0 83.6

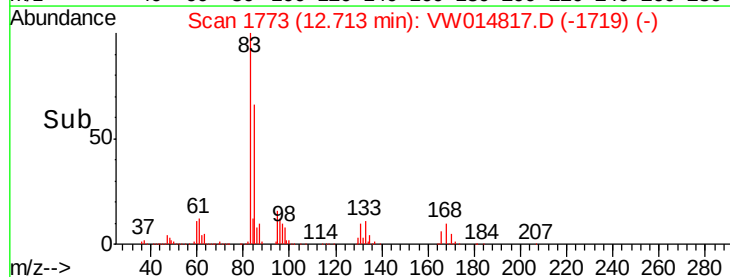
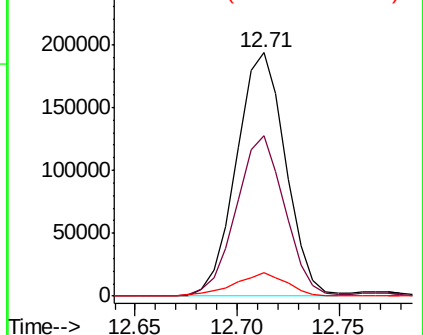
131 9.8 7.6 11.4

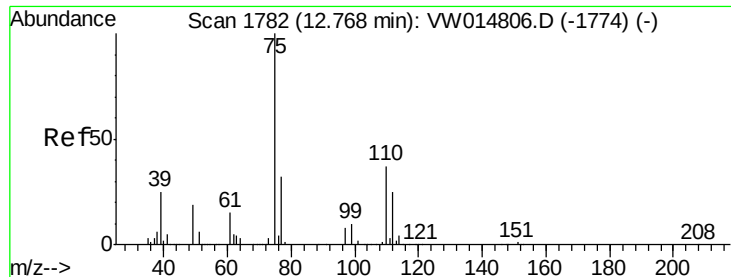


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

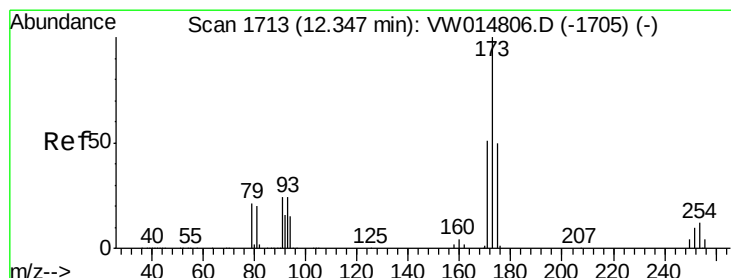
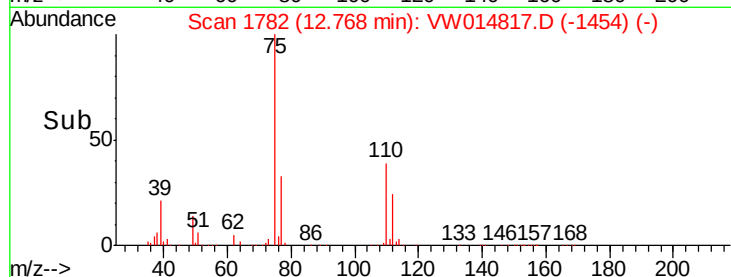
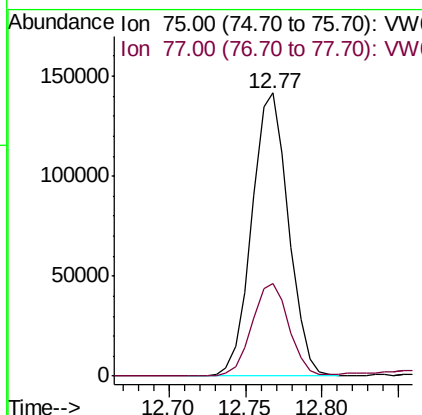
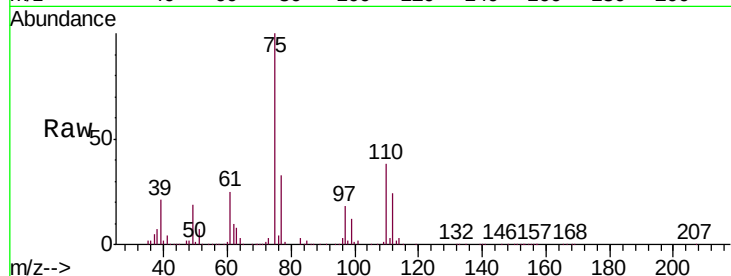




#59
 1,2,3-Trichloropropane
 Concen: 23.838 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

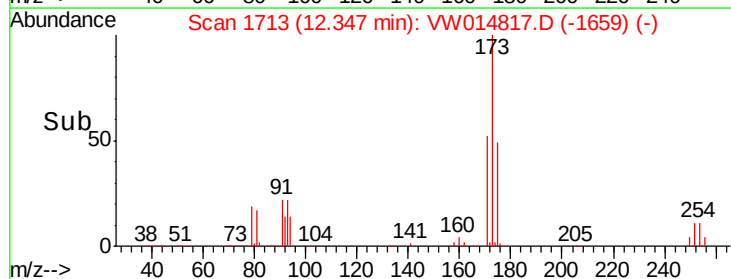
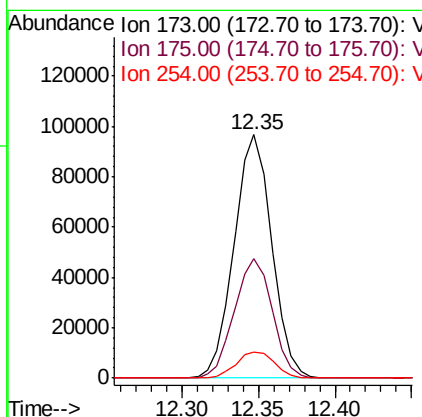
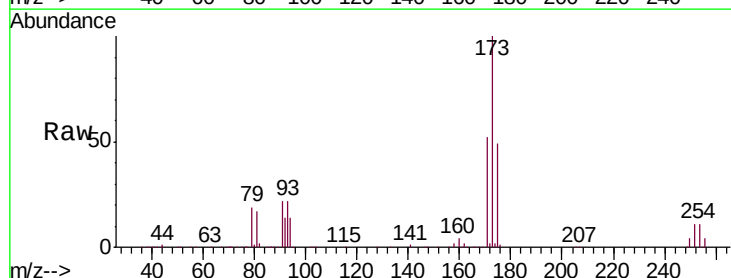
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

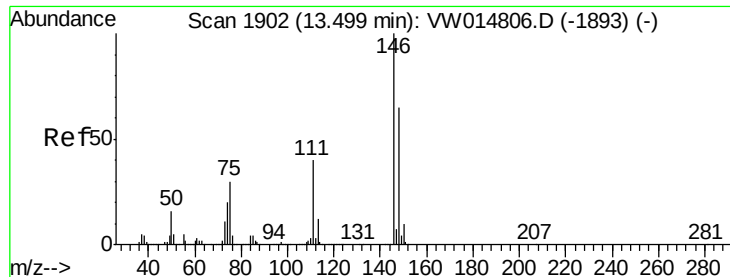
Tgt Ion: 75 Resp: 235525
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8



#62
 Bromoform
 Concen: 23.412 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Tgt Ion: 173 Resp: 165564
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.8 59.8
 254 10.9 8.9 13.3





#63

1,3-Dichlorobenzene

Concen: 24.713 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

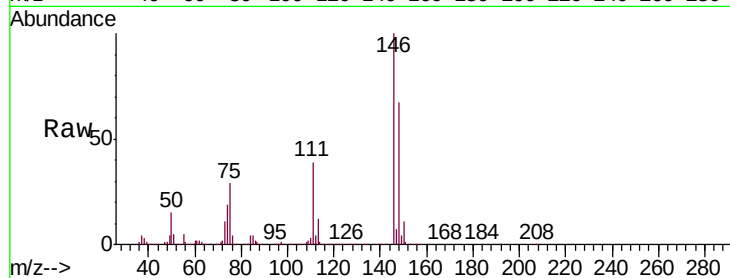
Tgt Ion:146 Resp: 718811

Ion Ratio Lower Upper

146 100

111 39.4 27.1 50.3

148 66.6 44.5 82.7

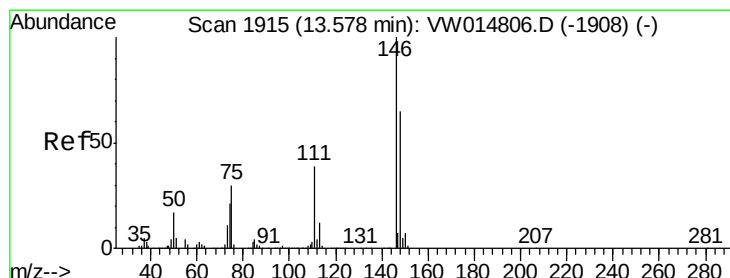
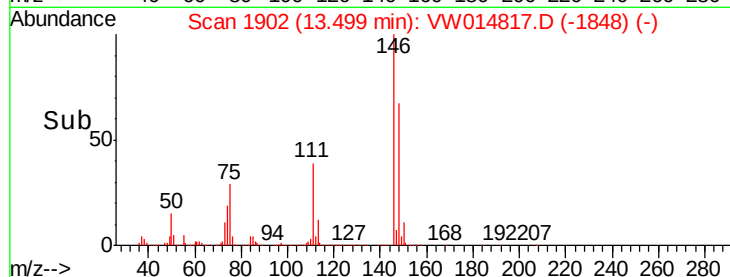
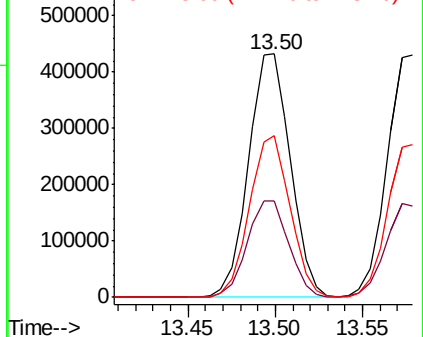


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.381 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

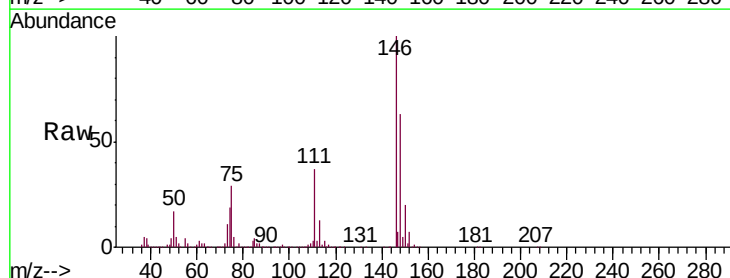
Tgt Ion:146 Resp: 710711

Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

148 62.7 43.9 81.5

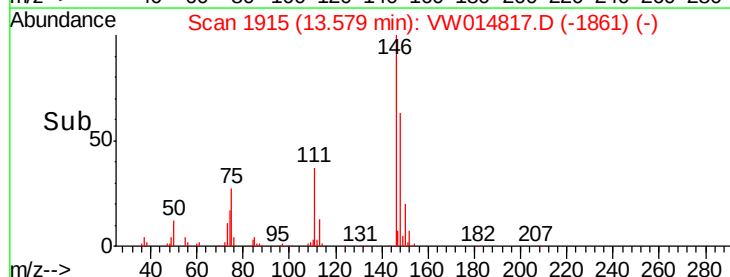
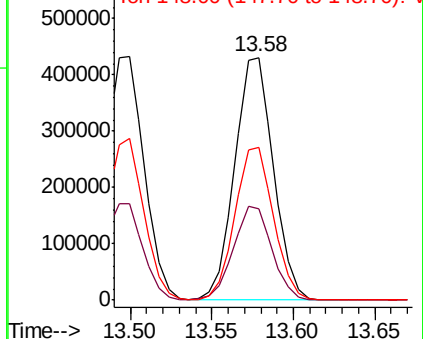


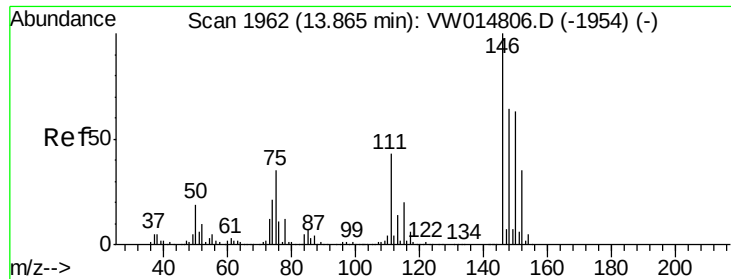
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

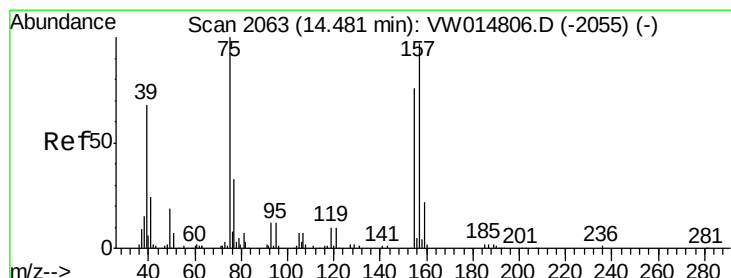
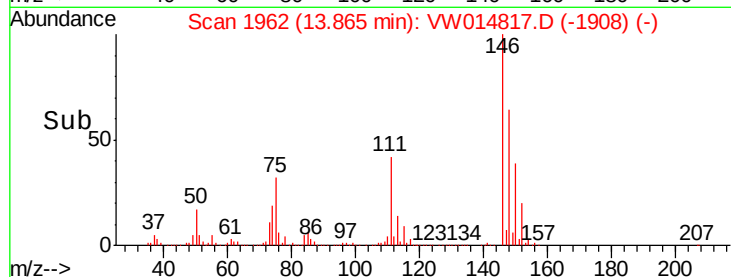
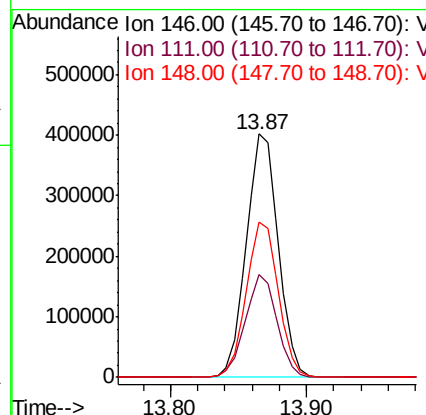
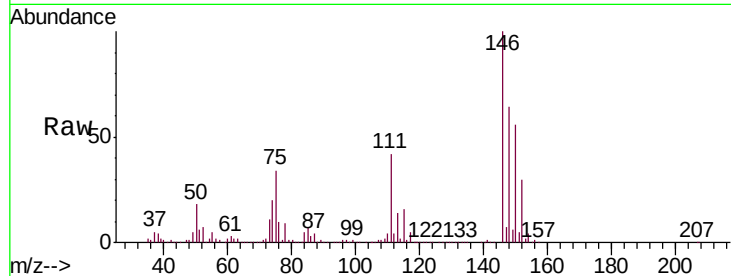




#65
 1,2-Dichlorobenzene
 Concen: 25.023 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

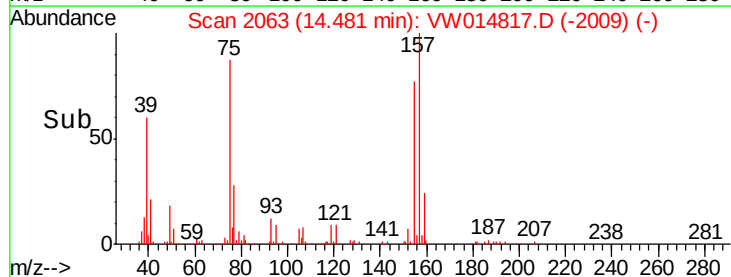
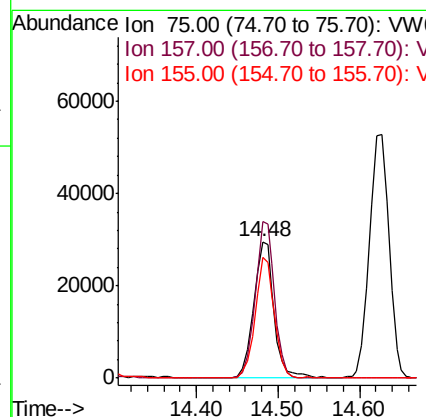
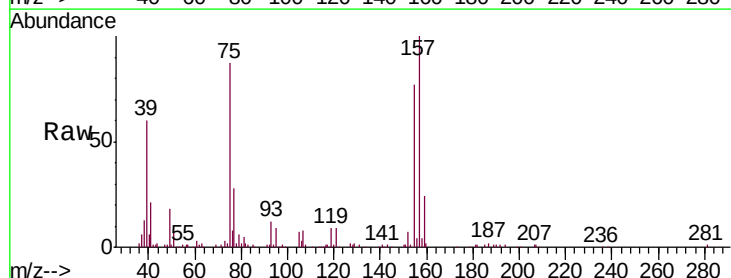
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

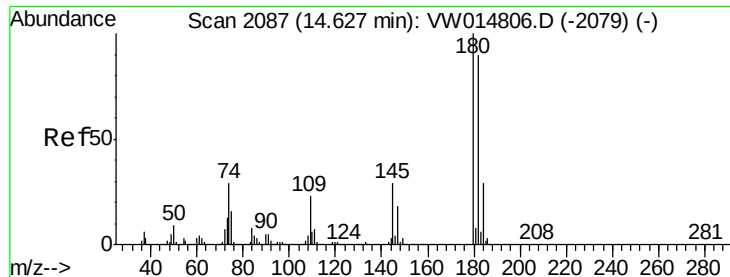
Tgt Ion:146 Resp: 662004
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.4 50.2
 148 63.8 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.922 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Tgt Ion: 75 Resp: 51906
 Ion Ratio Lower Upper
 75 100
 157 115.3 84.9 127.3
 155 88.9 67.1 100.7

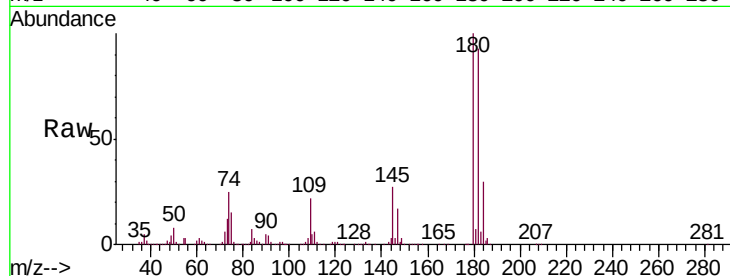




#67
 1,3,5-Trichlorobenzene
 Concen: 25.708 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	180	Resp:	553844
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.4
184	30.5	24.2	36.4
145	28.0	22.8	34.2



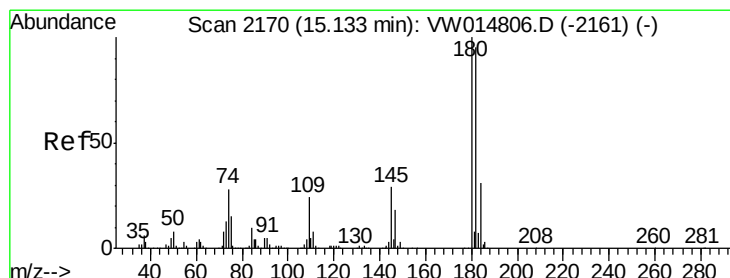
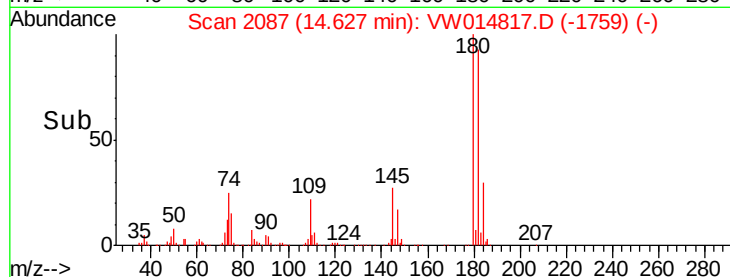
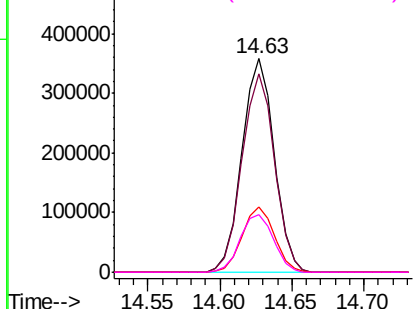
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

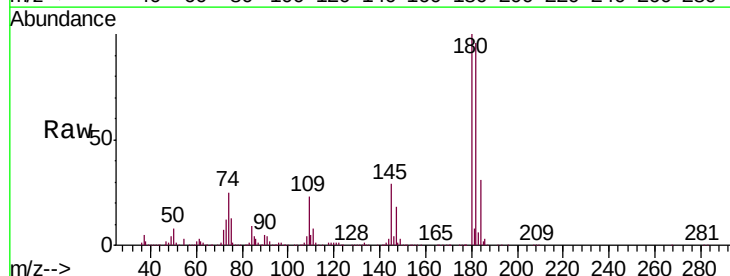
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.028 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014817.D
 Acq: 30 Jan 2020 19:29

Tgt Ion:	180	Resp:	464083
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
145	29.4	23.3	34.9

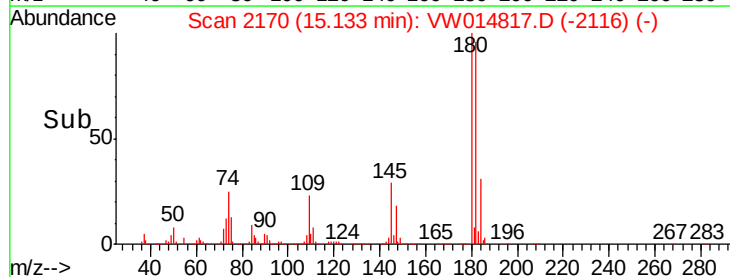
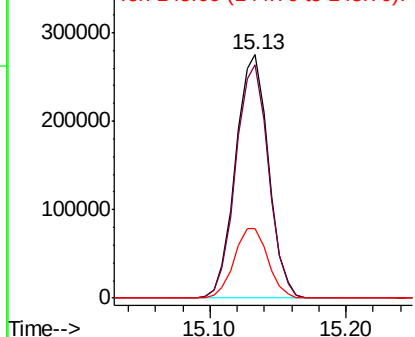


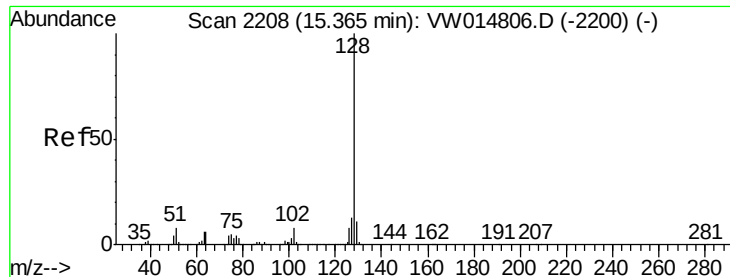
Abundance

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





#69

Naphthalene

Concen: 31.216 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

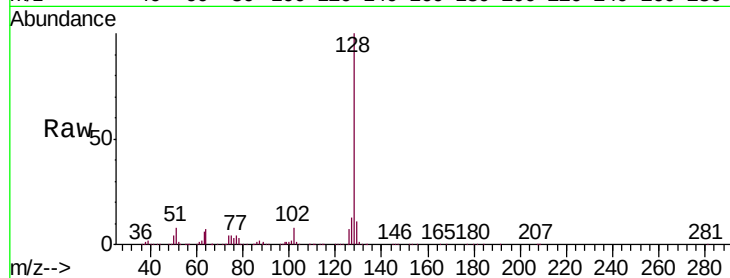
Tgt Ion:128 Resp: 902635

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

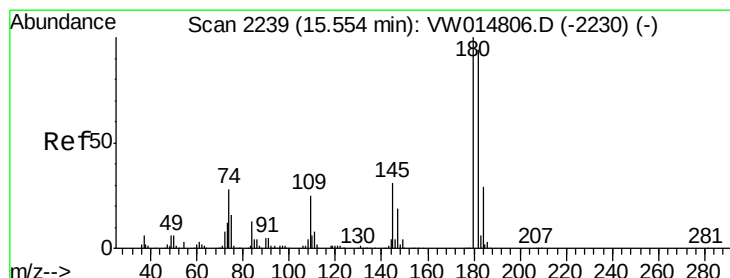
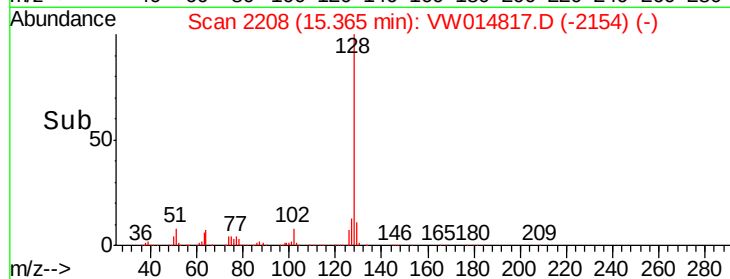
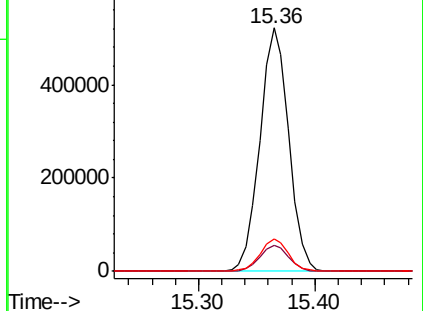
127 13.0 10.5 15.7



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: 27.551 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014817.D

Acq: 30 Jan 2020 19:29

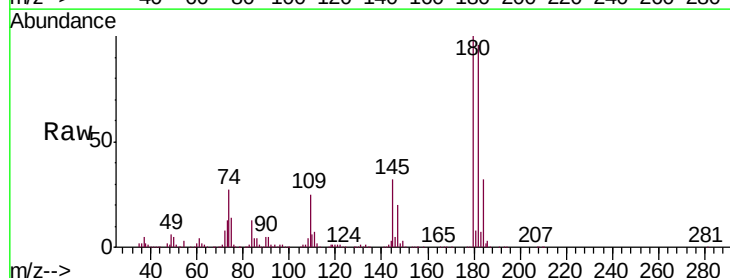
Tgt Ion:180 Resp: 403858

Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.6

145 32.0 24.3 36.5



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

