

Data File : VW014906.D
Acq On : 06 Feb 2020 19:25
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Quant Time: Feb 07 06:02:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 05:58:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	763164	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	714416	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	340670	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	329815	26.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.44%
7) Chloroethane-d5	2.89	69	277986	27.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.92%
10) 1,1-Dichloroethene-d2	4.03	63	583629	25.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.12%
20) 2-Butanone-d5	7.07	46	183672	51.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.60%
24) Chloroform-d	7.65	84	593173	27.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	8.31	65	327920	27.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.40%
29) Benzene-d6	8.27	84	1181616	25.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.88%
33) 1,2-Dichloropropane-d6	9.27	67	394592	26.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.44%
37) Toluene-d8	10.32	98	1048306	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.72%
38) trans-1,3-Dichloropropene-	10.58	79	149336	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.04%
39) 2-Hexanone-d5	10.92	63	140204	51.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	297631	26.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	325594	24.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	182112	23.211 ug/L	92
3) Chloromethane	2.21	50	297261	25.003 ug/L	99
5) Vinyl chloride	2.37	62	385489	24.833 ug/L	98
6) Bromomethane	2.78	94	188337	24.263 ug/L	98
8) Chloroethane	2.93	64	216444	25.484 ug/L	99
9) Trichlorofluoromethane	3.26	101	147102	23.442 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	276703	24.980 ug/L	96
12) 1,1-Dichloroethene	4.04	96	257435	23.780 ug/L	94
13) Acetone	4.12	43	149783	40.926 ug/L	100
14) Carbon disulfide	4.38	76	798715	24.572 ug/L	100
15) Methyl Acetate	4.67	43	146621	24.345 ug/L	98
16) Methylene chloride	4.92	84	303248	21.811 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	329452	23.294 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	265313	24.188 ug/L	92
19) 1,1-Dichloroethane	6.21	63	568664	25.590 ug/L	99
21) 2-Butanone	7.17	43	200185	46.718 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	285196	24.039 ug/L	94

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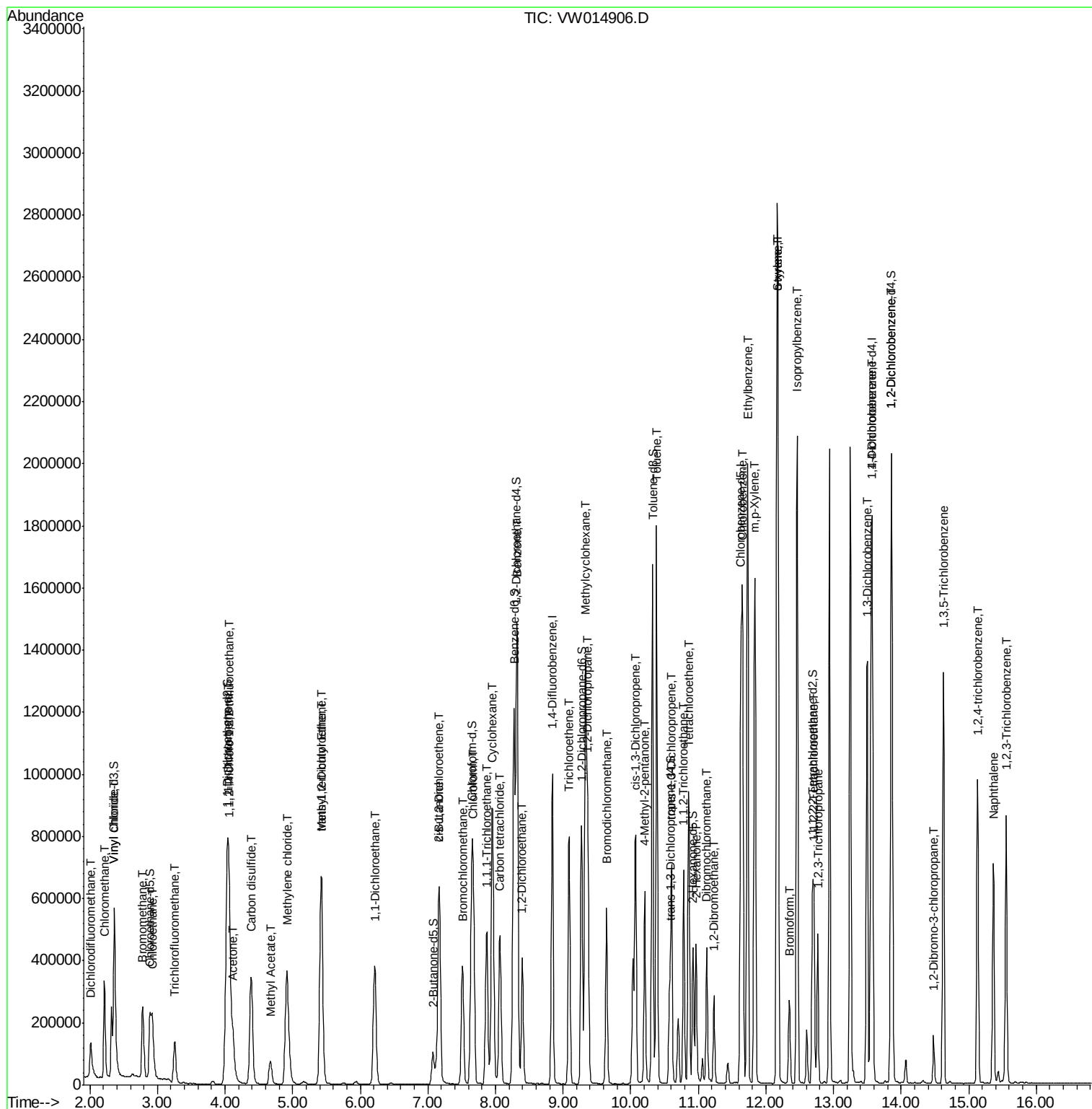
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	117993	24.240	ug/L	87
25) Chloroform	7.68	83	531118	26.019	ug/L	99
27) 1,2-Dichloroethane	8.40	62	361654	25.698	ug/L	100
30) Cyclohexane	7.96	56	502866	23.623	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	386669	23.737	ug/L	97
32) Carbon tetrachloride	8.07	117	349057	23.838	ug/L	99
34) Benzene	8.32	78	1222831	24.891	ug/L	100
35) Trichloroethene	9.09	95	287259	23.589	ug/L	99
36) Methylcyclohexane	9.34	83	495554	23.362	ug/L	97
40) 1,2-Dichloropropane	9.37	63	333166	25.342	ug/L	100
41) Bromodichloromethane	9.64	83	378563	25.126	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	454055	24.323	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	425339	49.340	ug/L	98
44) Toluene	10.38	91	1249105	25.046	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	366336	24.369	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	211501	24.438	ug/L	98
47) Tetrachloroethene	10.86	164	205494	22.966	ug/L	99
49) 2-Hexanone	10.97	43	305445	50.443	ug/L	96
50) Dibromochloromethane	11.13	129	223849	24.066	ug/L	97
51) 1,2-Dibromoethane	11.23	107	187335	23.264	ug/L	100
52) Chlorobenzene	11.65	112	732965	24.038	ug/L	97
53) Ethylbenzene	11.73	91	1353032	24.799	ug/L	99
54) m,p-Xylene	11.83	106	497839	24.980	ug/L	98
55) o-xylene	12.16	106	462092	24.363	ug/L	95
56) Styrene	12.18	104	823116	25.677	ug/L	99
57) Isopropylbenzene	12.46	105	1262055	24.776	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	264232	24.461	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	198133	24.379	ug/L	98
62) Bromoform	12.35	173	116220	22.379	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	532642	23.146	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	536436	23.142	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	489438	23.253	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	40742	22.702	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	376350	22.835	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	293910	22.571	ug/L	100
69) Naphthalene	15.36	128	564392	22.034	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	279237	23.224	ug/L	99

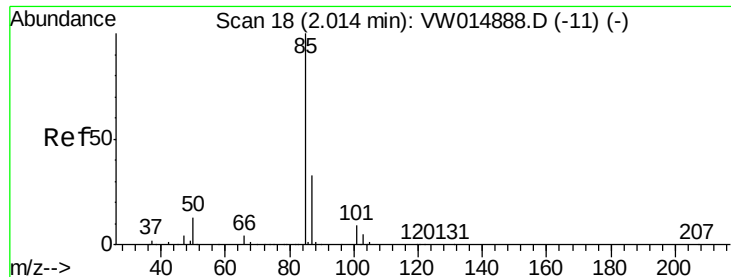
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.211 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

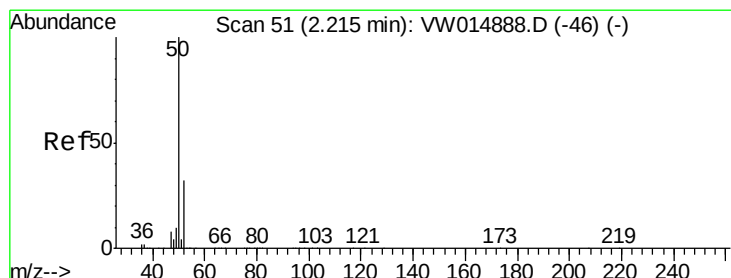
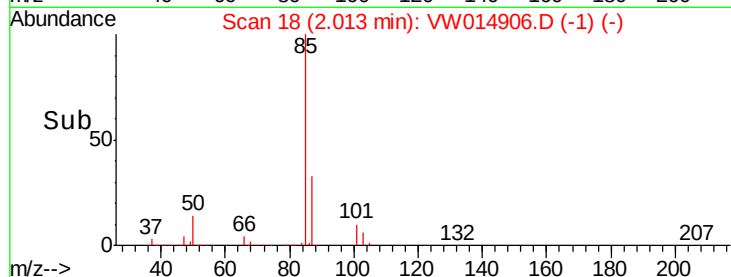
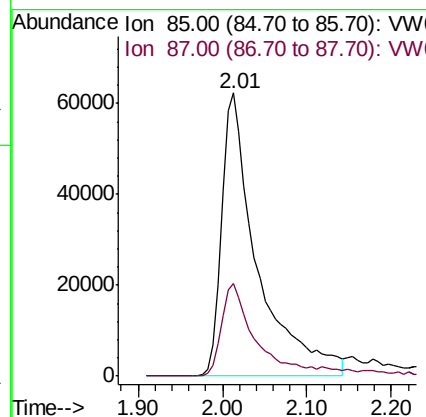
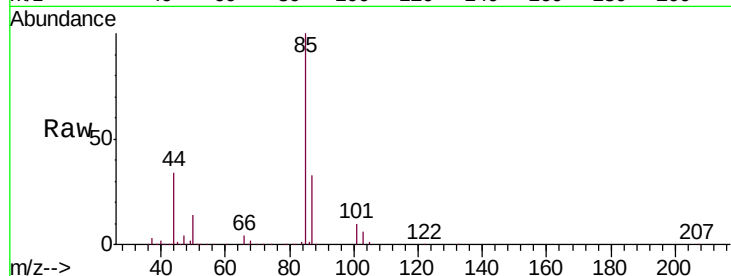
VSTD02516

Tgt Ion: 85 Resp: 182112

Ion Ratio Lower Upper

85 100

87 29.8 18.1 33.7



#3

Chloromethane

Concen: 25.003 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014906.D

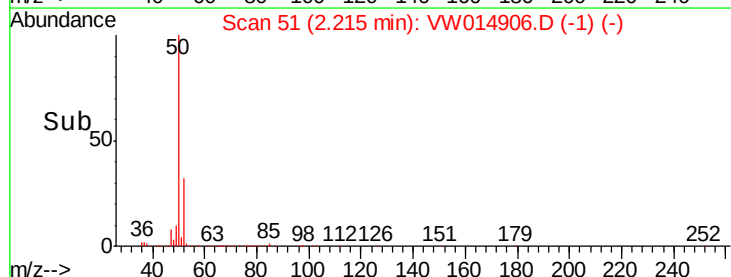
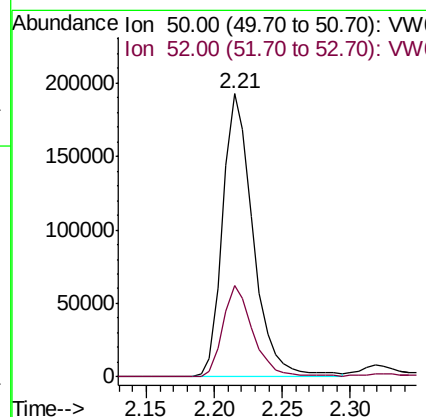
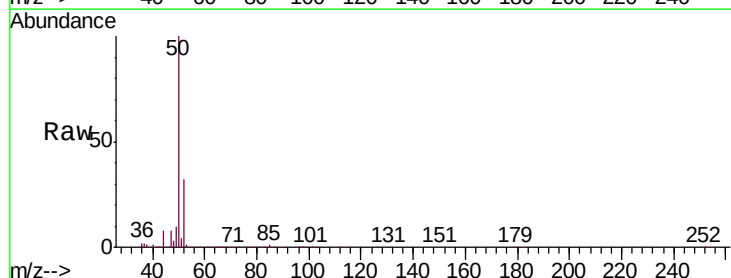
Acq: 06 Feb 2020 19:25

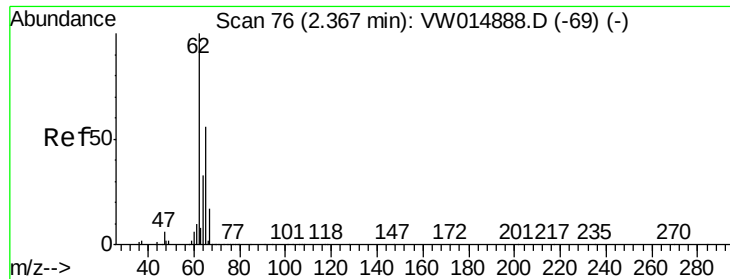
Tgt Ion: 50 Resp: 297261

Ion Ratio Lower Upper

50 100

52 32.3 22.1 41.1





#5

Vinyl chloride

Concen: 24.833 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

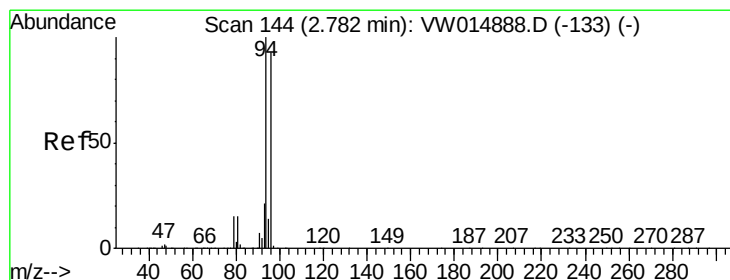
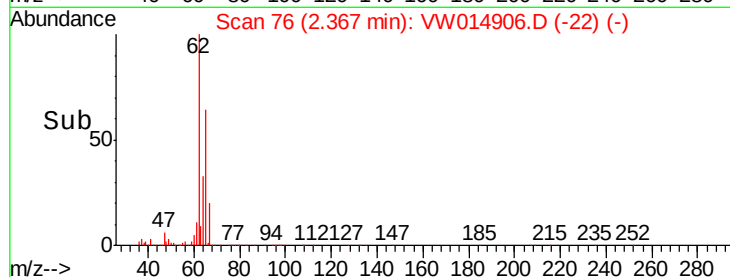
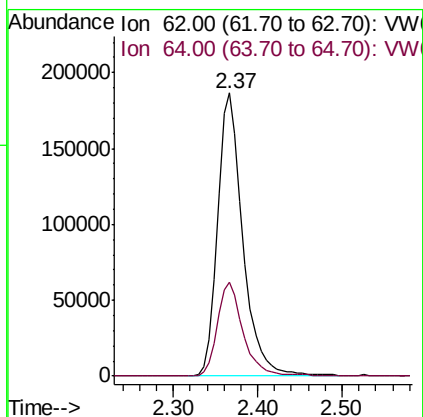
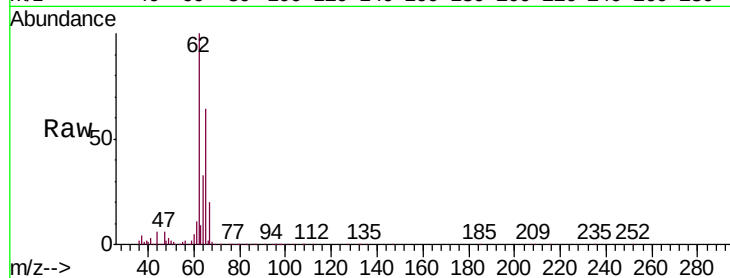
VSTD02516

Tgt Ion: 62 Resp: 385489

Ion Ratio Lower Upper

62 100

64 33.3 22.5 41.9



#6

Bromomethane

Concen: 24.263 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014906.D

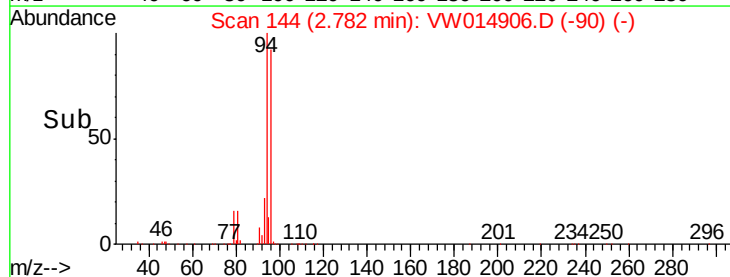
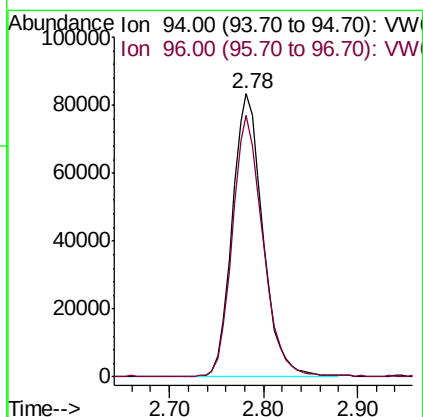
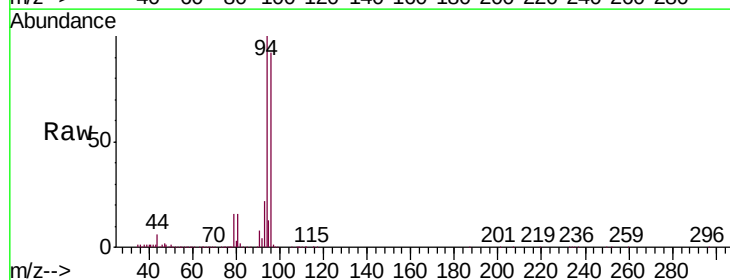
Acq: 06 Feb 2020 19:25

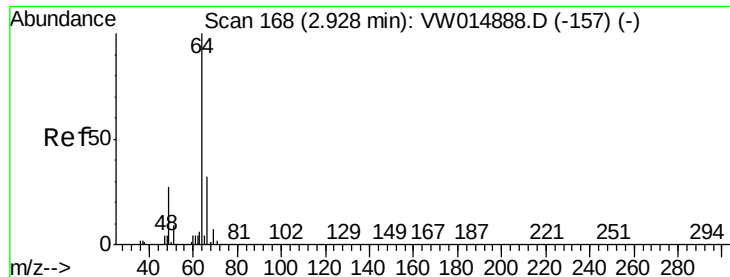
Tgt Ion: 94 Resp: 188337

Ion Ratio Lower Upper

94 100

96 92.0 9.4 178.0

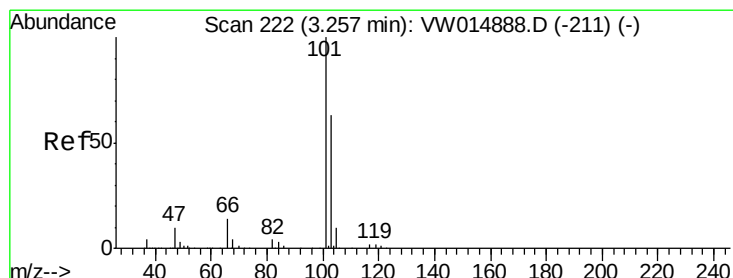
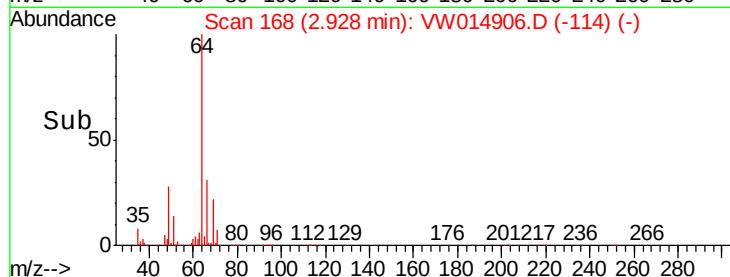
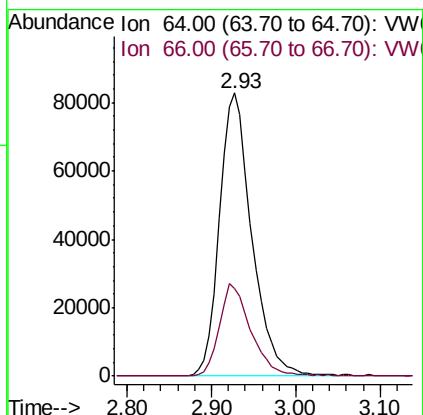
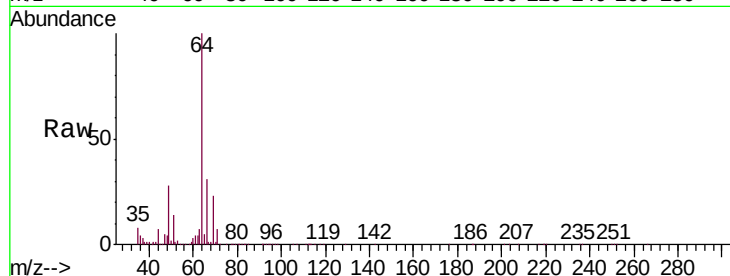




#8
Chloroethane
Concen: 25.484 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

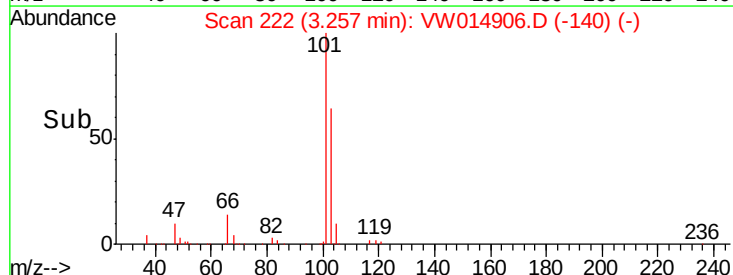
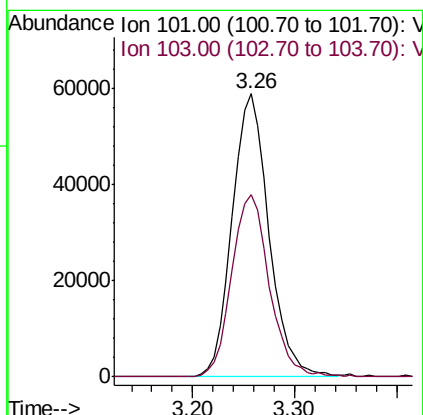
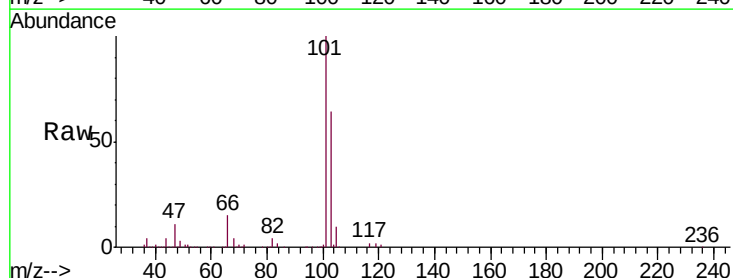
Instrument :
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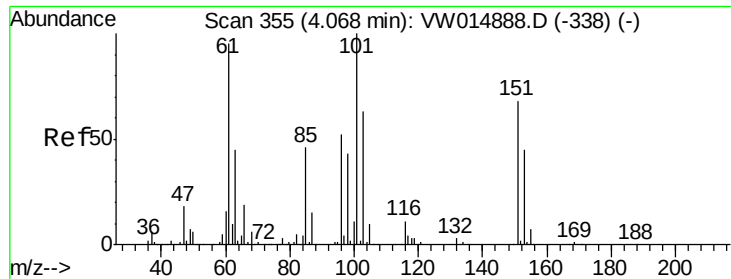
Tgt Ion: 64 Resp: 216444
Ion Ratio Lower Upper
64 100
66 30.9 21.9 40.7



#9
Trichlorofluoromethane
Concen: 23.442 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

Tgt Ion: 101 Resp: 147102
Ion Ratio Lower Upper
101 100
103 65.9 45.8 85.0





#11

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

Concen: 24.980 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

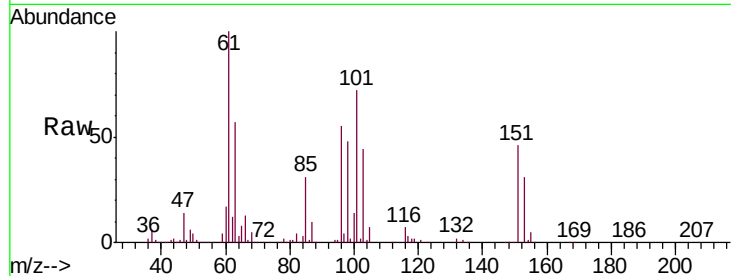
Tgt Ion:101 Resp: 276703

Ion Ratio Lower Upper

101 100

85 44.5 34.8 52.2

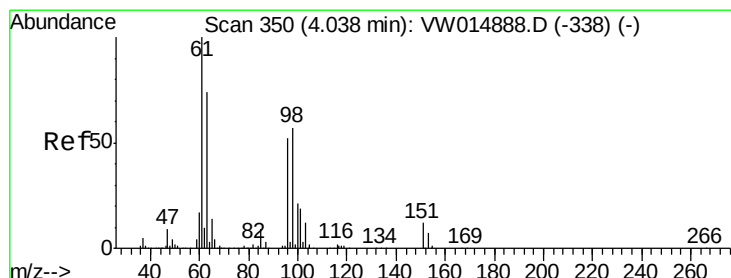
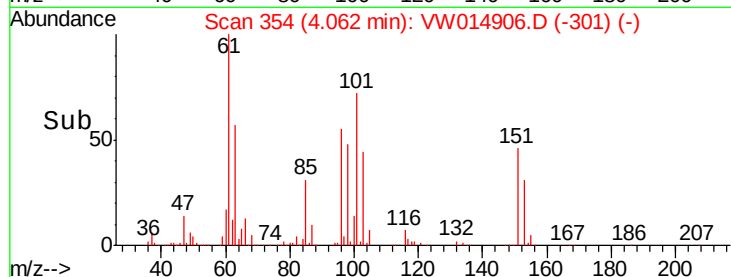
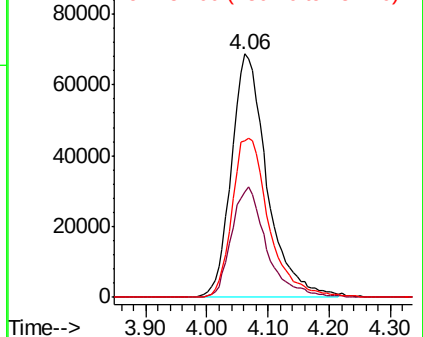
151 66.3 56.3 84.5



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: 23.780 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014906.D

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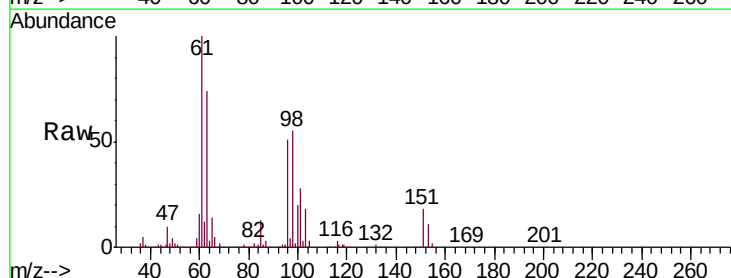
Tgt Ion: 96 Resp: 257435

Ion Ratio Lower Upper

96 100

61 197.2 134.7 250.1

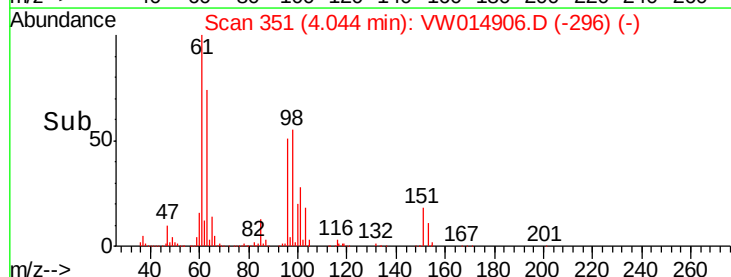
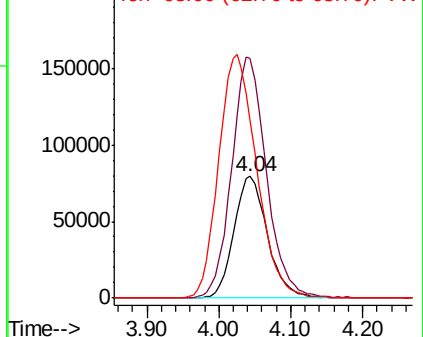
63 146.6 110.2 204.8

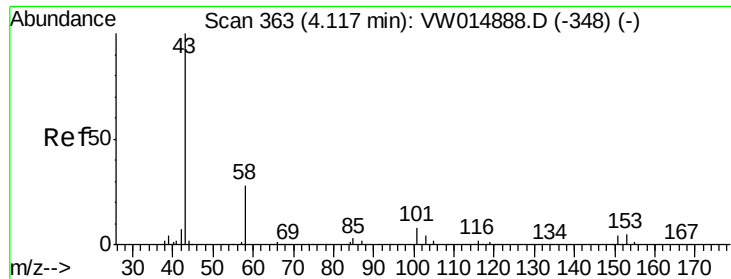


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

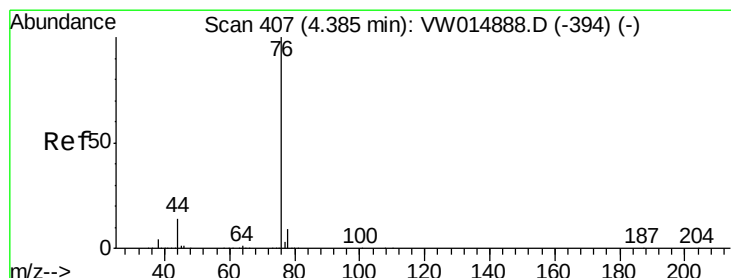
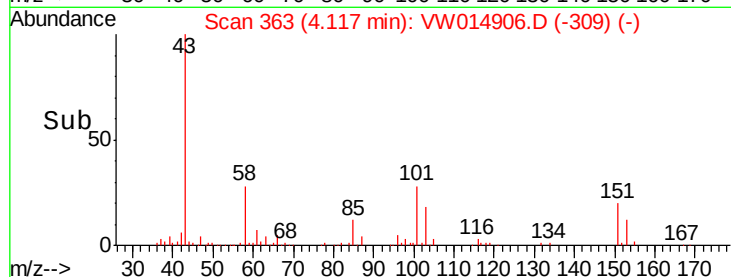
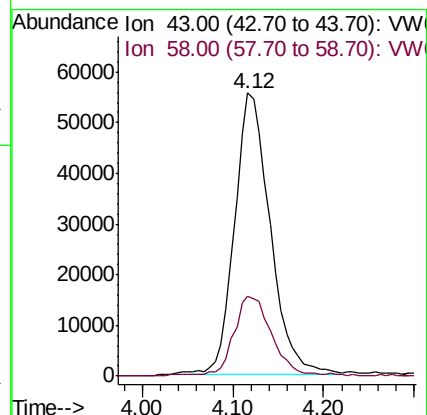
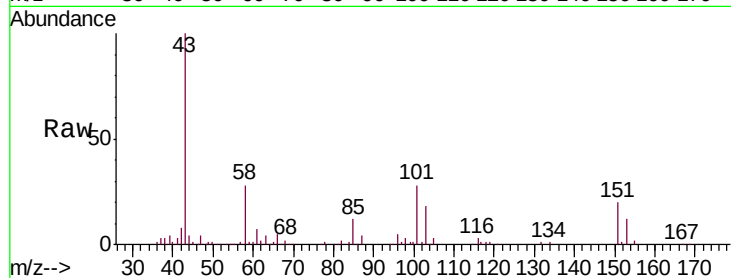




#13
Acetone
Concen: 40.926 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
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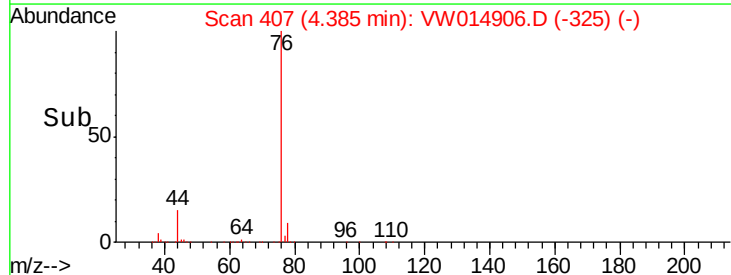
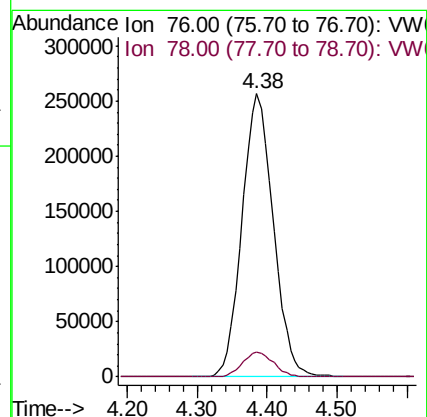
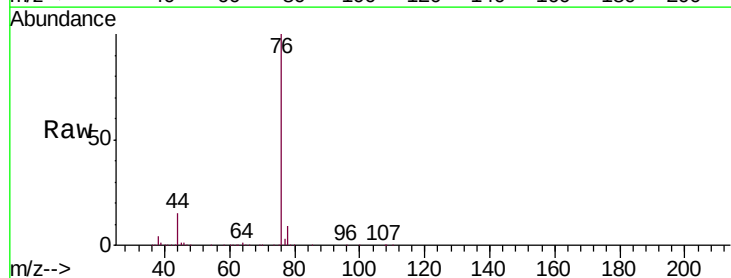
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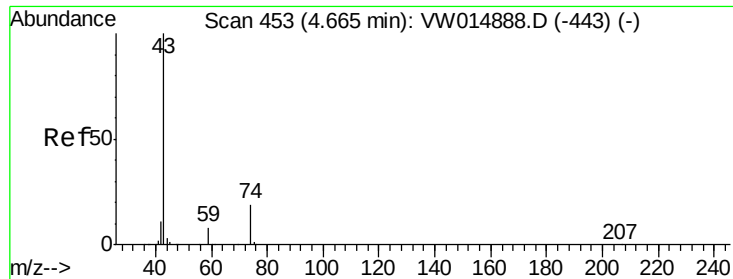
Tgt Ion: 43 Resp: 149783
Ion Ratio Lower Upper
43 100
58 30.0 0.0 60.4



#14
Carbon disulfide
Concen: 24.572 ug/L
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
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Tgt Ion: 76 Resp: 798715
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

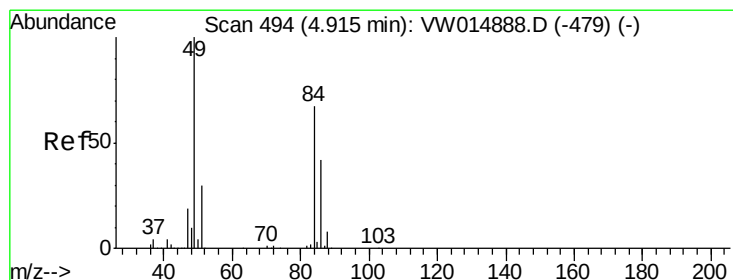
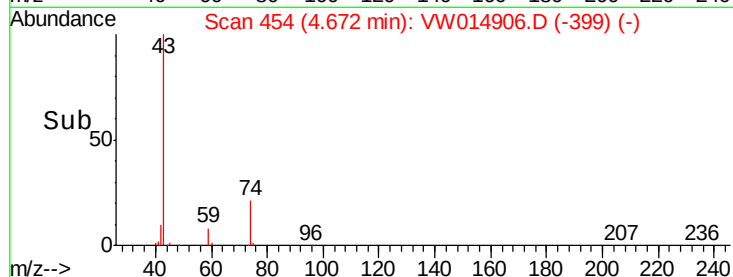
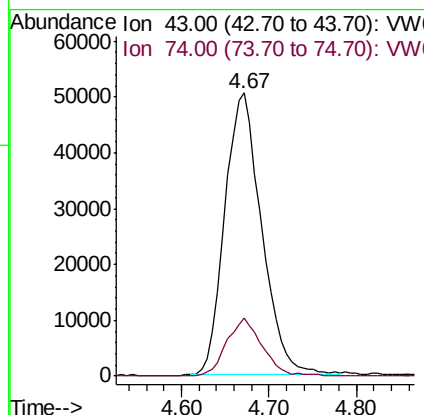
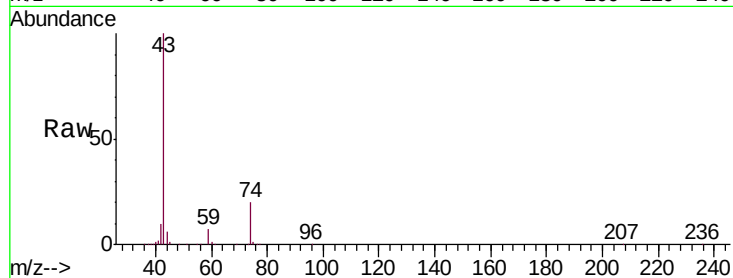




#15
Methyl Acetate
Concen: 24.345 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

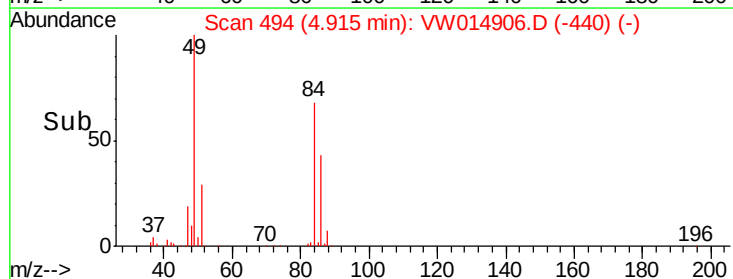
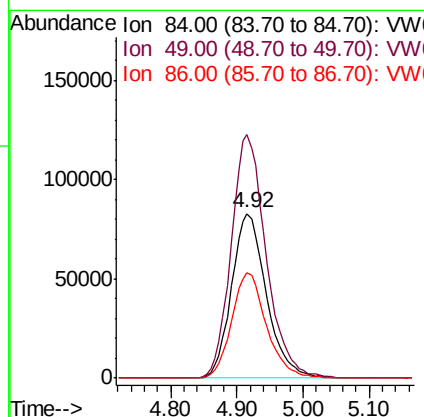
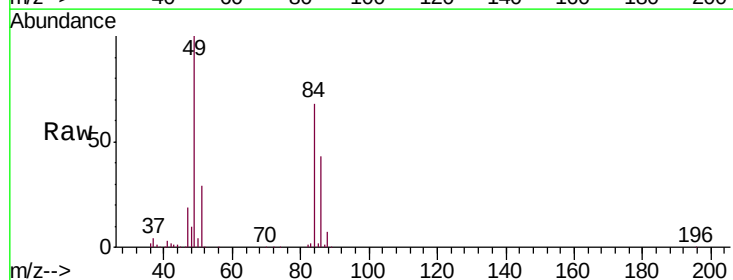
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

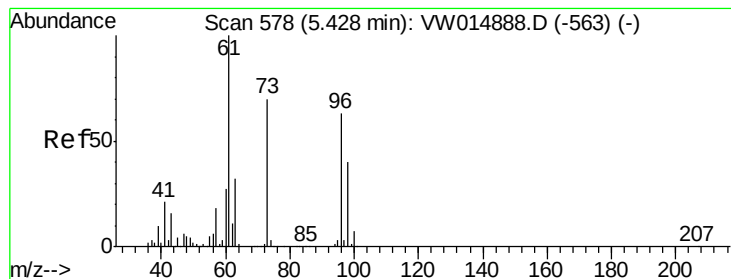
Tgt Ion: 43 Resp: 146621
Ion Ratio Lower Upper
43 100
74 19.7 16.5 24.7



#16
Methylene chloride
Concen: 21.811 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

Tgt Ion: 84 Resp: 303248
Ion Ratio Lower Upper
84 100
49 147.8 95.8 177.8
86 64.0 44.2 82.2





#17

Methyl tert-butyl Ether

Concen: 23.294 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

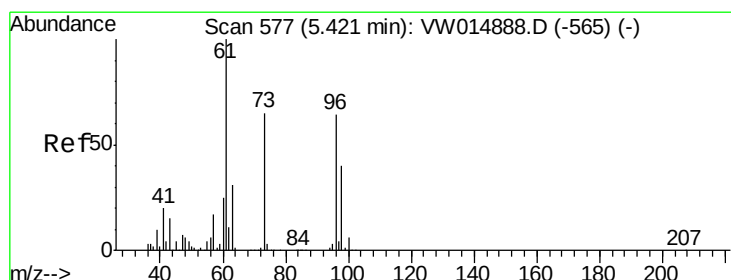
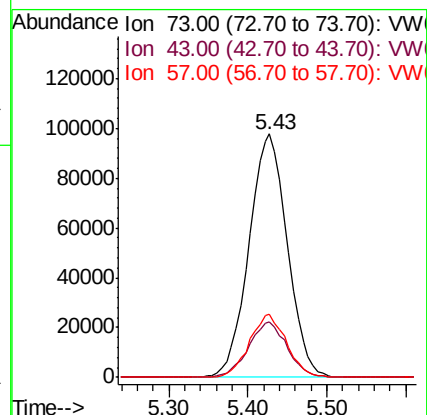
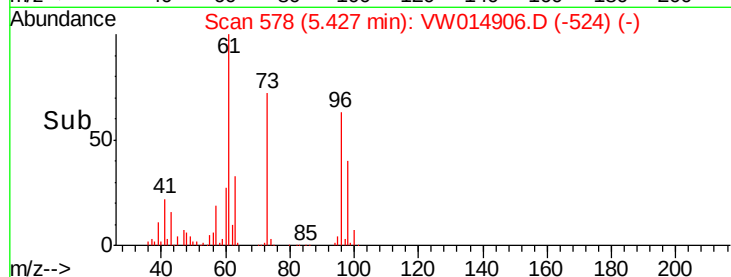
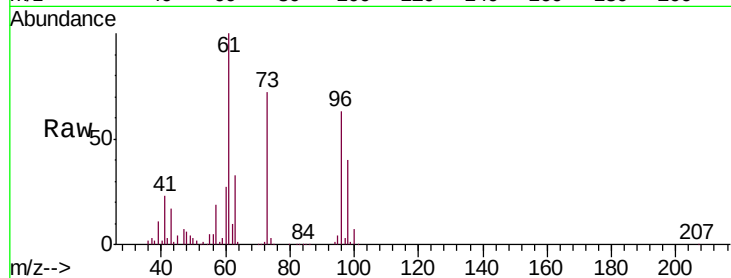
Tgt Ion: 73 Resp: 329452

Ion Ratio Lower Upper

73 100

43 23.0 17.5 26.3

57 25.0 19.4 29.0



#18

trans-1,2-Dichloroethene

Concen: 24.188 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

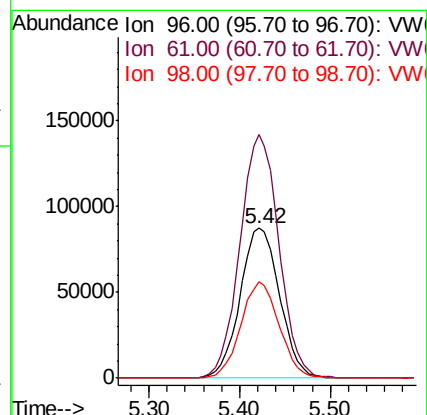
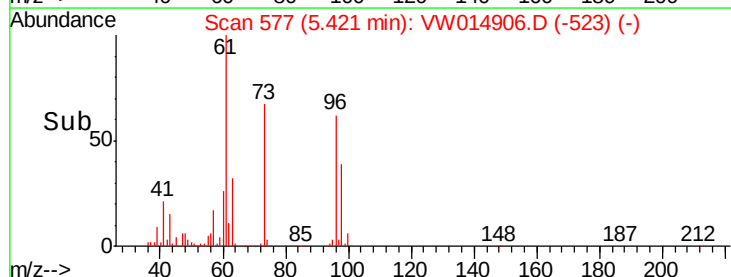
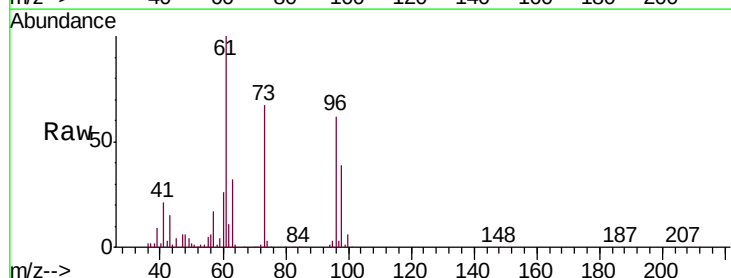
Tgt Ion: 96 Resp: 265313

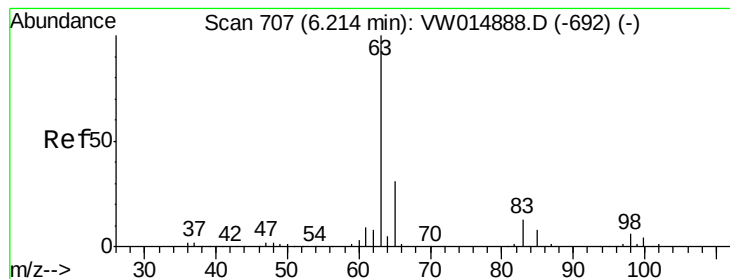
Ion Ratio Lower Upper

96 100

61 162.2 104.4 194.0

98 64.0 43.8 81.3





#19

1,1-Dichloroethane

Concen: 25.590 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

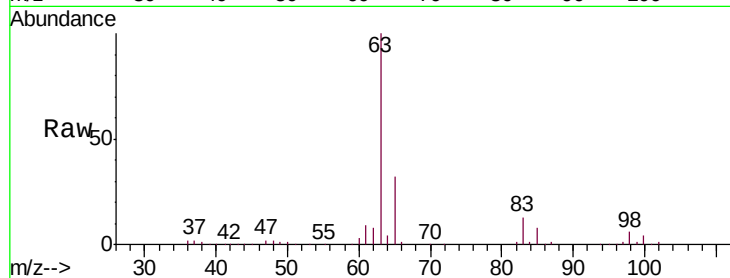
Tgt Ion: 63 Resp: 568664

Ion Ratio Lower Upper

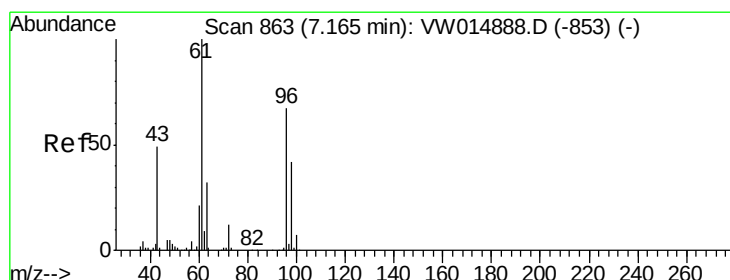
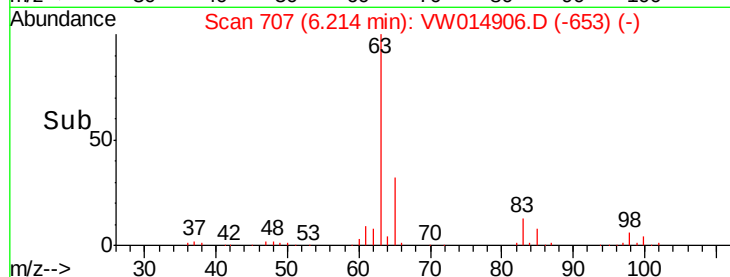
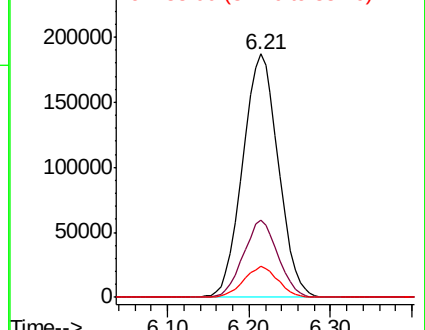
63 100

65 31.6 21.5 39.9

83 12.6 8.8 16.3



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: 46.718 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014906.D

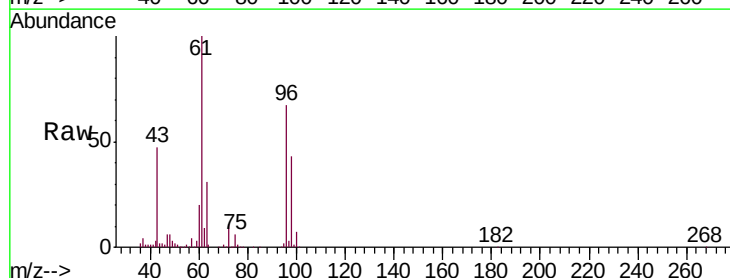
Acq: 06 Feb 2020 19:25

Tgt Ion: 43 Resp: 200185

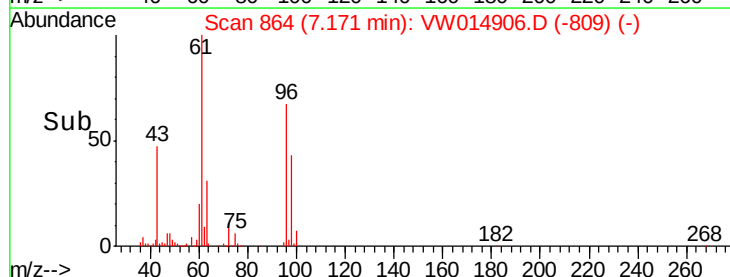
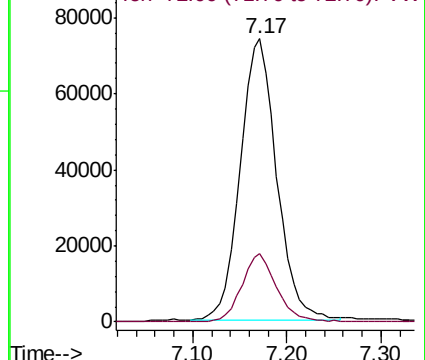
Ion Ratio Lower Upper

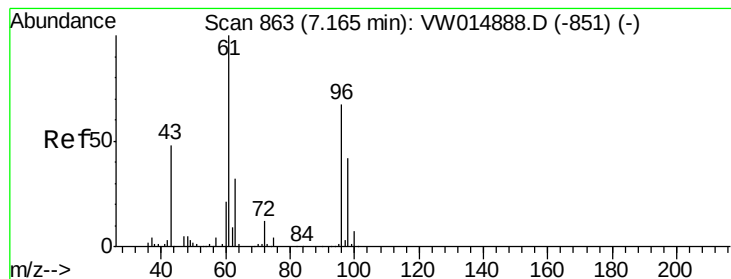
43 100

72 23.2 11.9 35.5



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



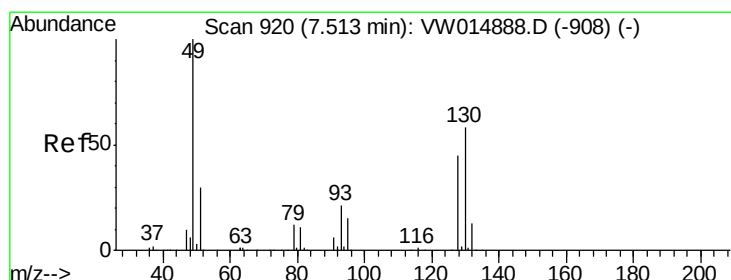
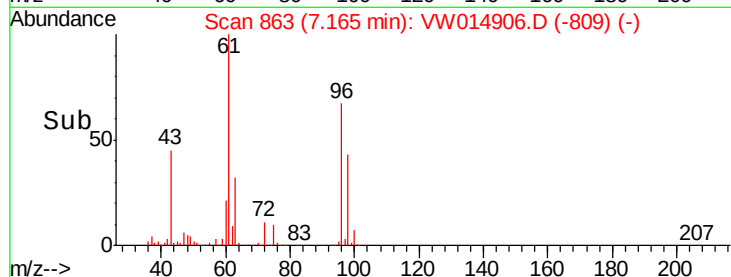
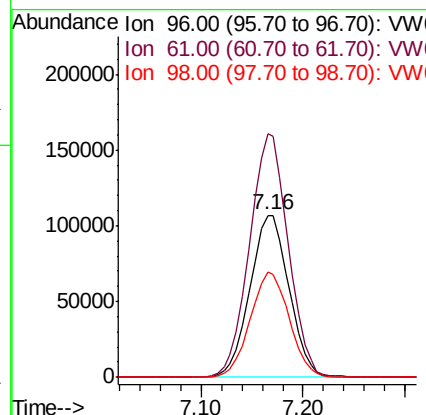
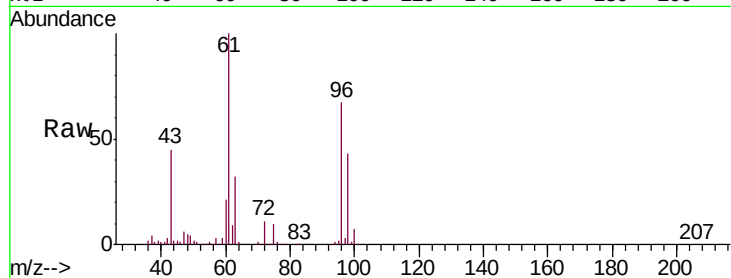


#22

cis-1,2-Dichloroethene
 Concen: 24.039 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

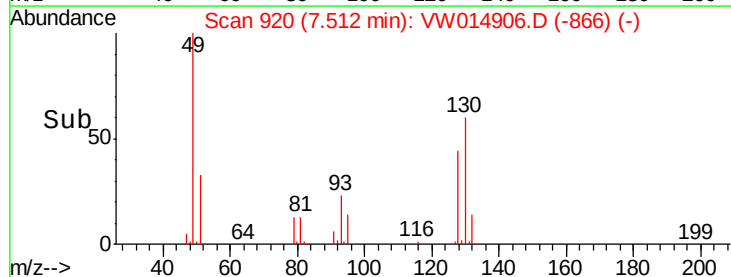
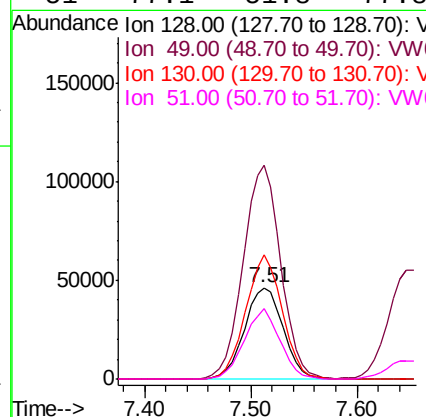
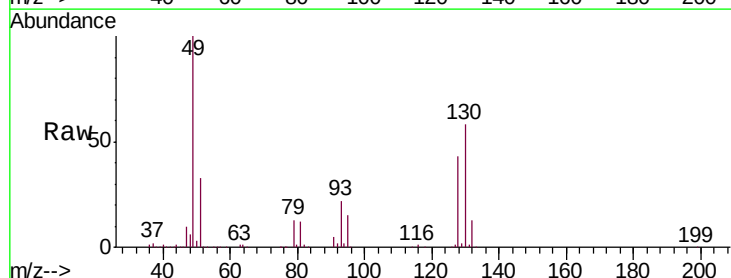
Tgt Ion: 96 Resp: 285196
 Ion Ratio Lower Upper
 96 100
 61 150.1 98.6 183.0
 98 64.9 44.2 82.2

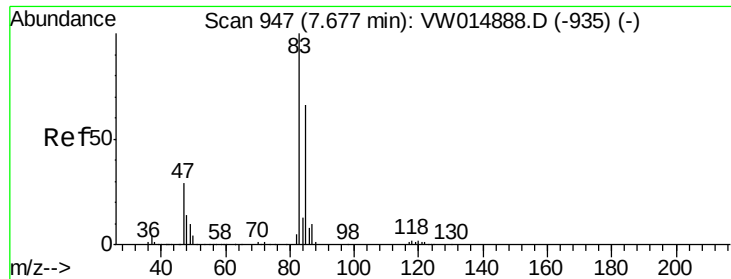


#23

Bromochloromethane
 Concen: 24.240 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion: 128 Resp: 117993
 Ion Ratio Lower Upper
 128 100
 49 234.8 146.0 271.2
 130 136.5 90.9 168.9
 51 77.1 51.8 77.8

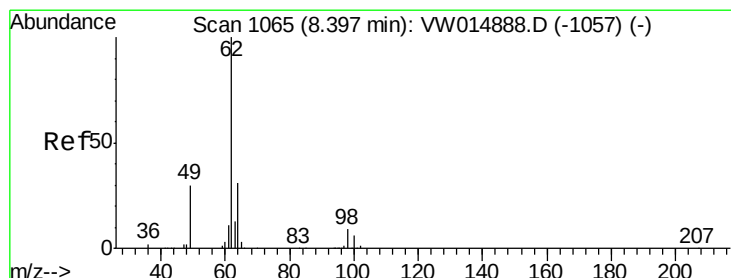
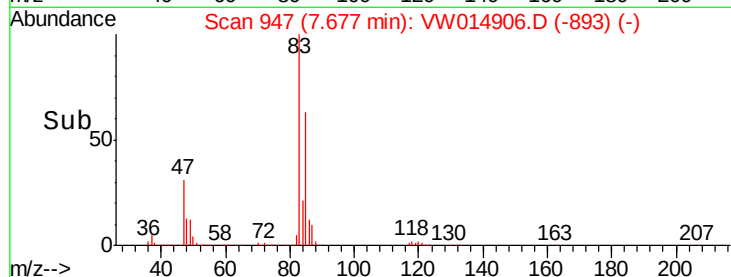
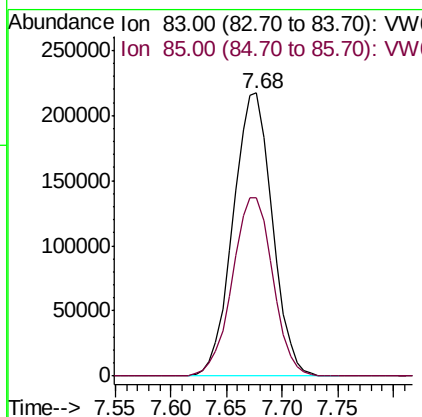
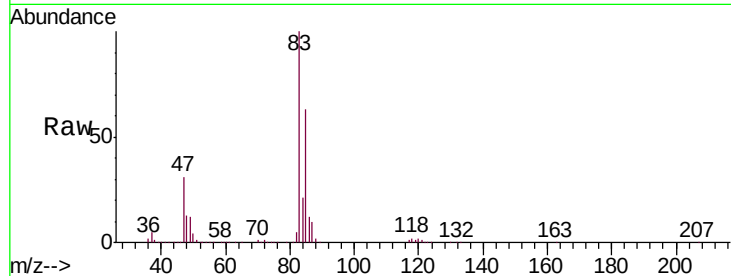




#25
Chloroform
Concen: 26.019 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

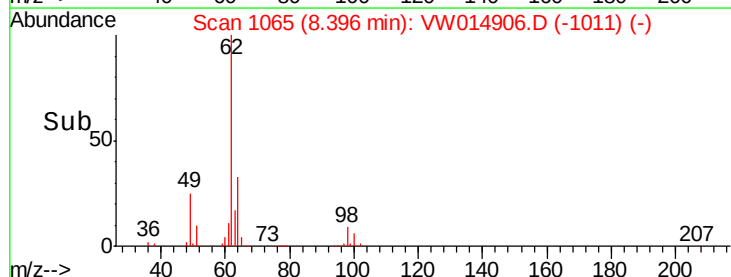
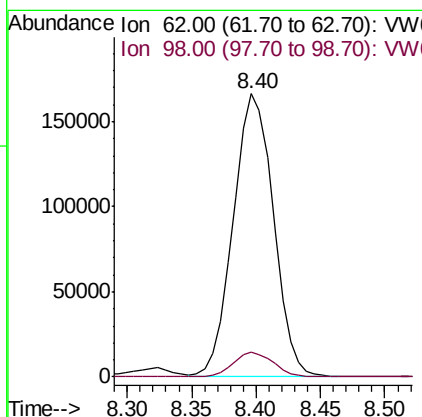
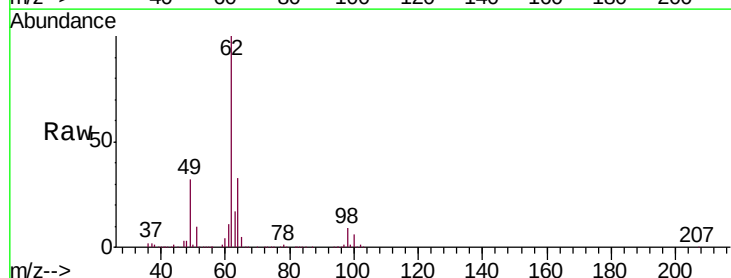
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

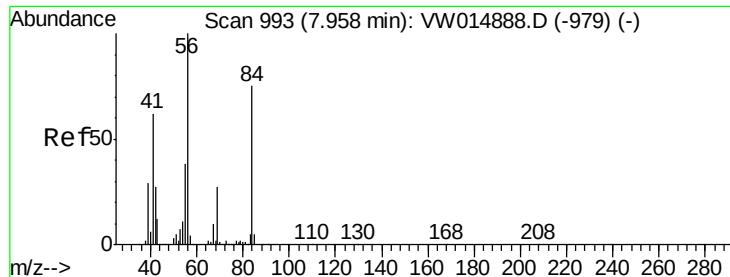
Tgt Ion: 83 Resp: 531118
Ion Ratio Lower Upper
83 100
85 65.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 25.698 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

Tgt Ion: 62 Resp: 361654
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

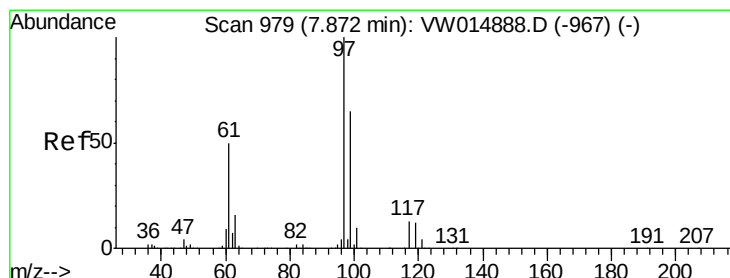
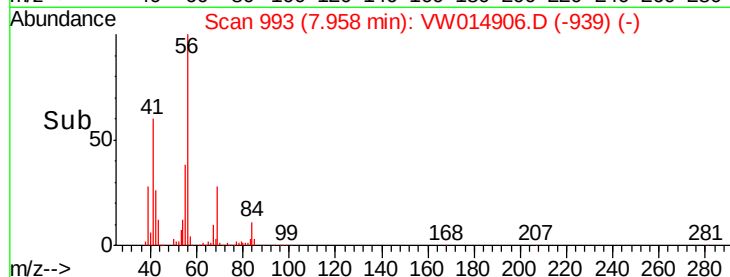
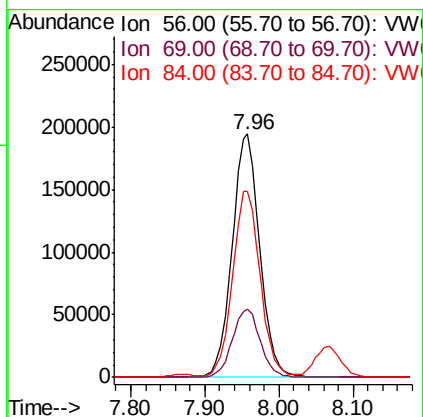
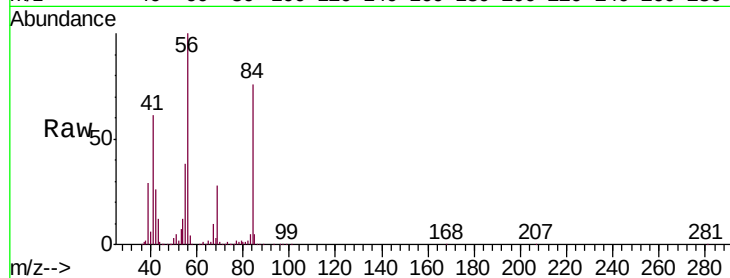




#30
Cyclohexane
Concen: 23.623 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

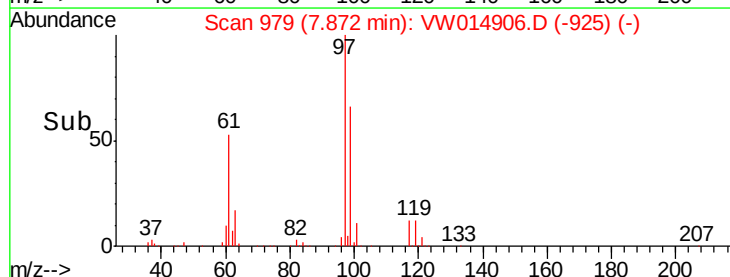
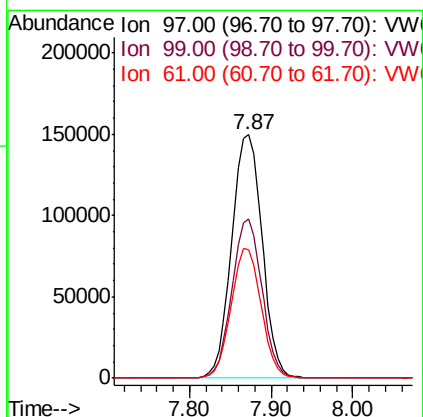
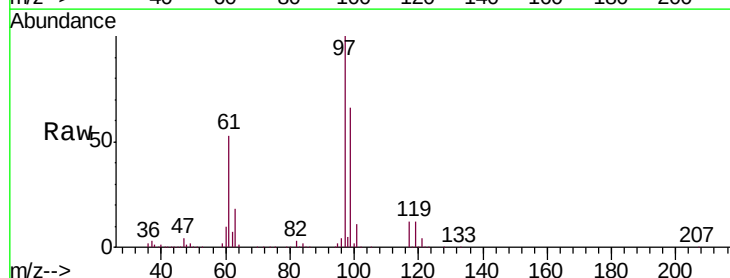
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

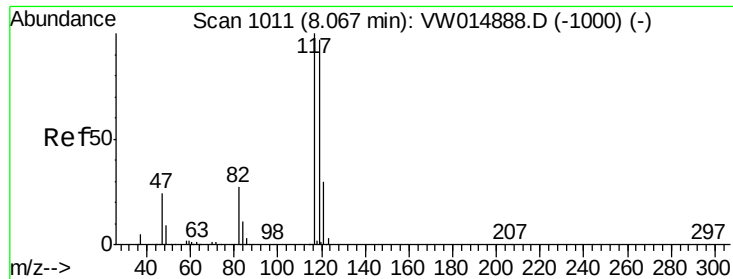
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.9	34.3
84	76.6	63.8	95.6



#31
1,1,1-Trichloroethane
Concen: 23.737 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	52.6	38.9	58.3





#32

Carbon tetrachloride

Concen: 23.838 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

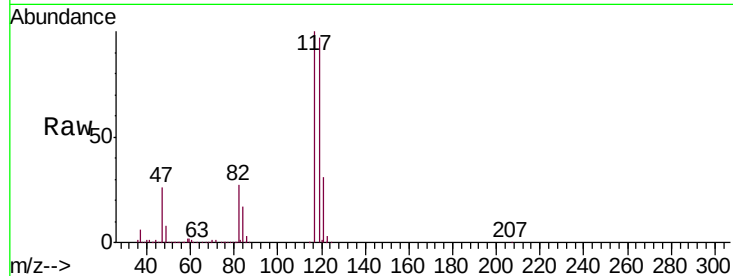
VSTD02516

Tgt Ion:117 Resp: 349057

Ion Ratio Lower Upper

117 100

119 96.2 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

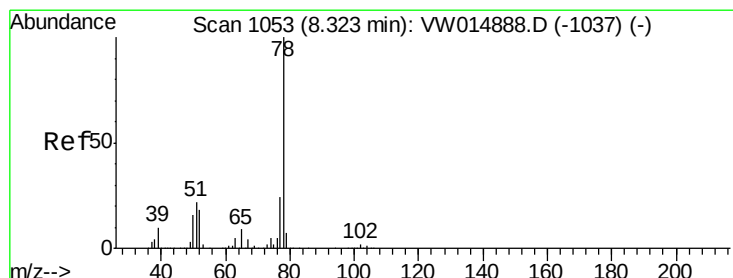
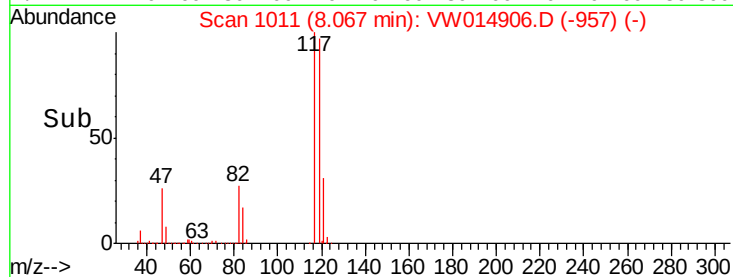
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.891 ug/L

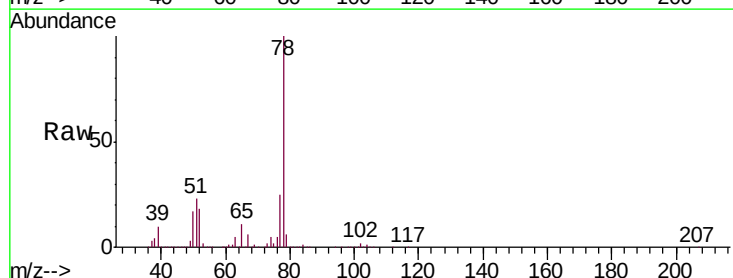
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Tgt Ion: 78 Resp: 1222831



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

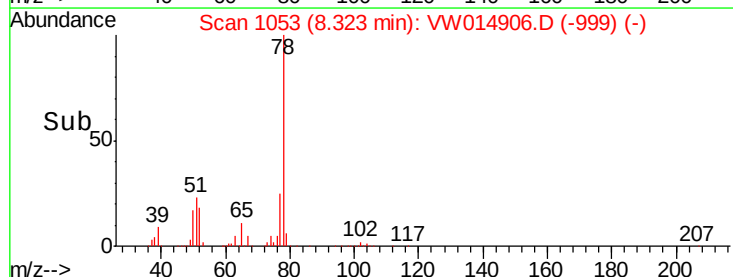
300000

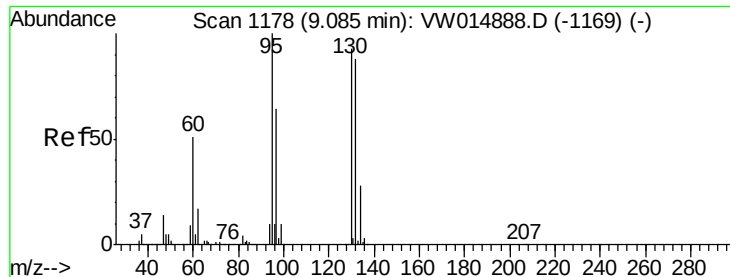
200000

100000

0

Time-->

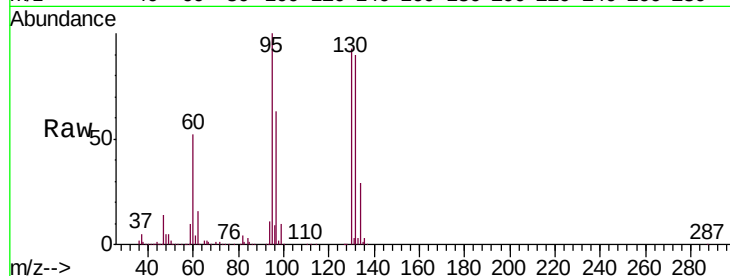




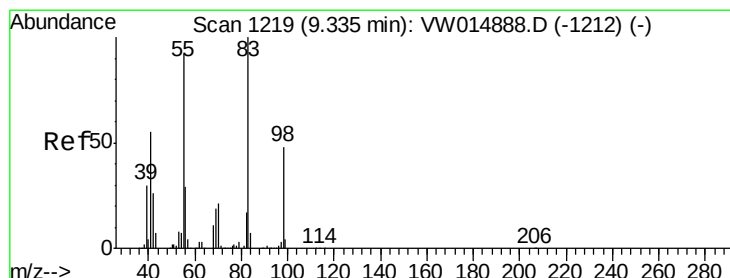
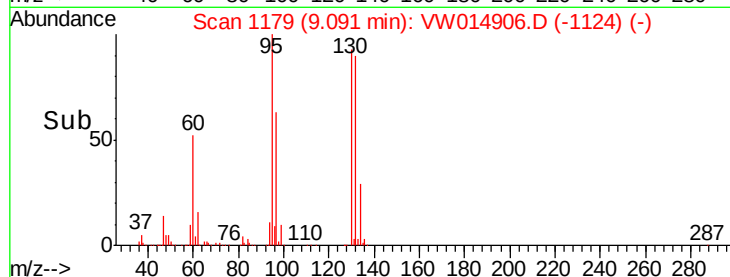
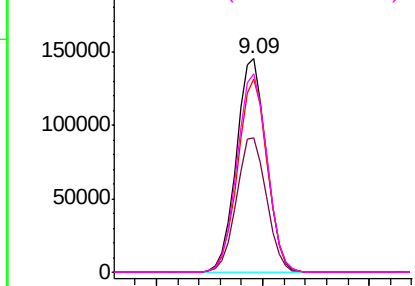
#35
 Trichloroethene
 Concen: 23.589 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion:	95	Resp:	287259
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.4	82.5
132	89.6	63.6	118.0
130	93.8	67.3	124.9

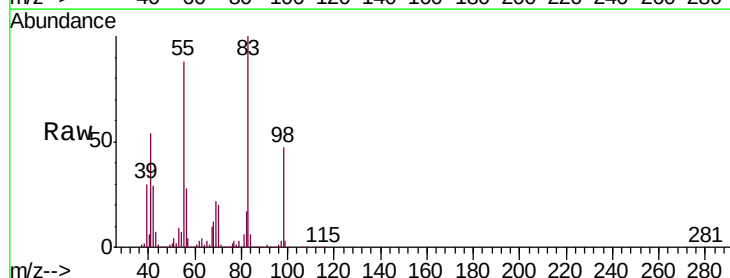


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

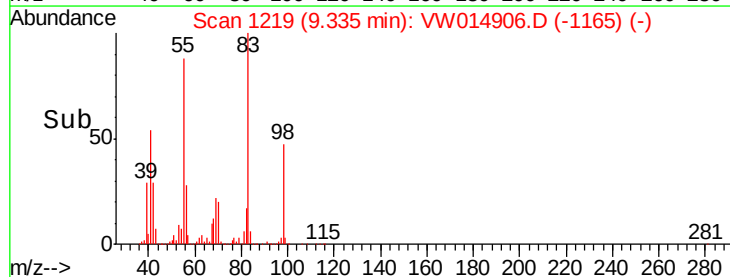
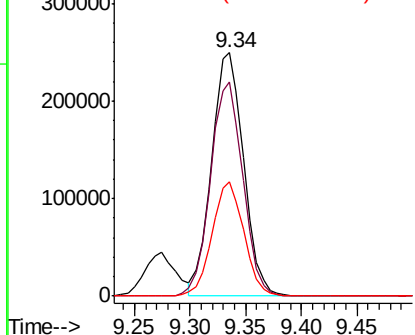


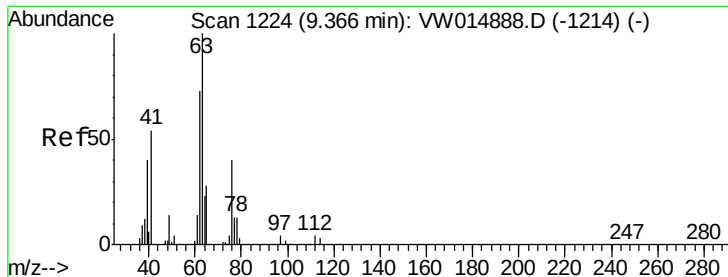
#36
 Methylcyclohexane
 Concen: 23.362 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion:	83	Resp:	495554
Ion	Ratio	Lower	Upper
83	100		
55	89.0	68.0	102.0
98	46.5	37.8	56.6



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

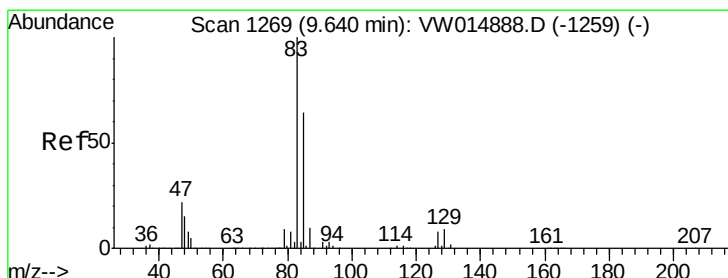
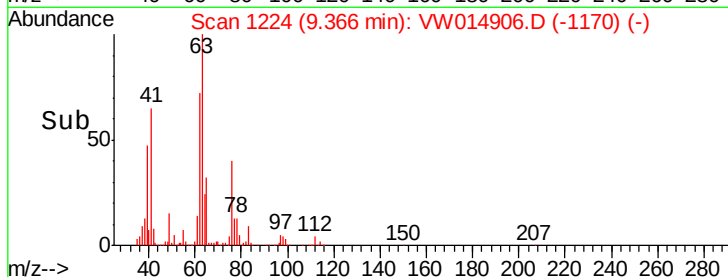
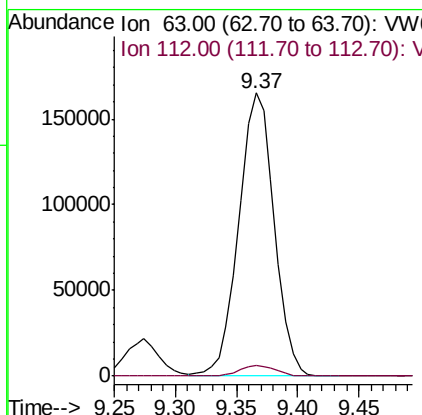
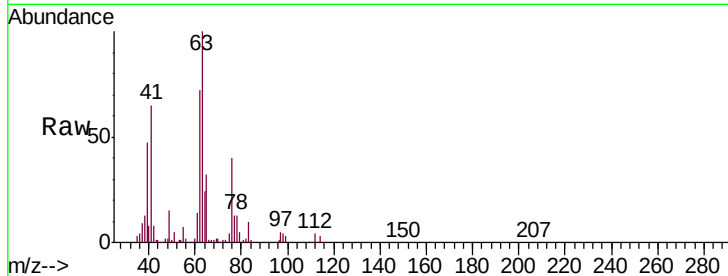




#40
 1,2-Dichloropropane
 Concen: 25.342 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

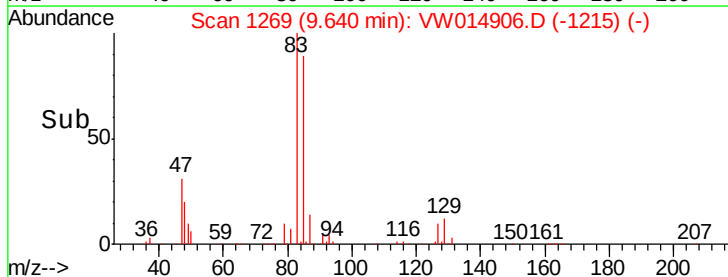
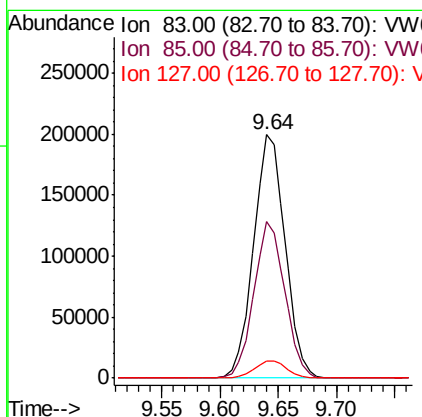
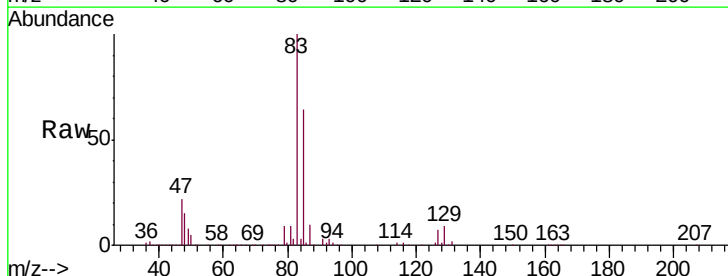
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

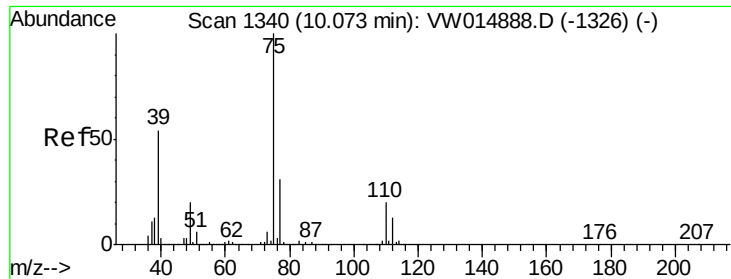
Tgt Ion: 63 Resp: 333166
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.126 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion: 83 Resp: 378563
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.2 82.0
 127 6.9 6.0 9.0

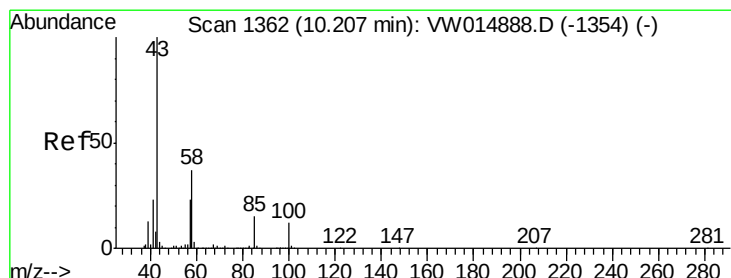
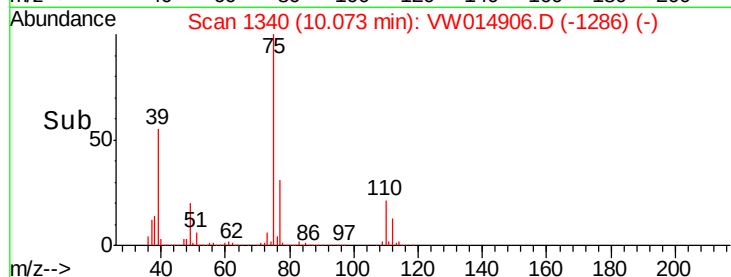
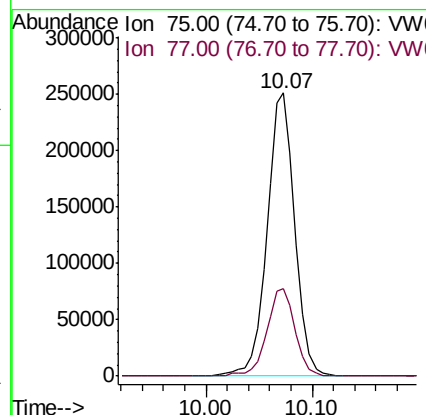
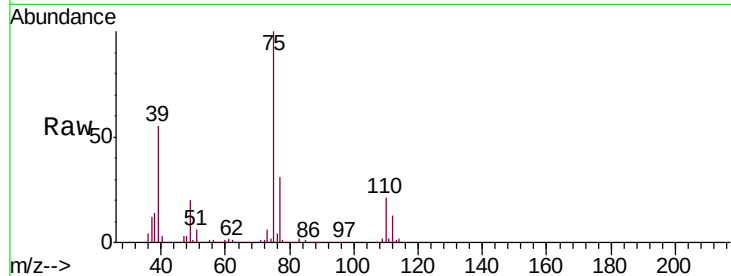




#42
 cis-1,3-Dichloropropene
 Concen: 24.323 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

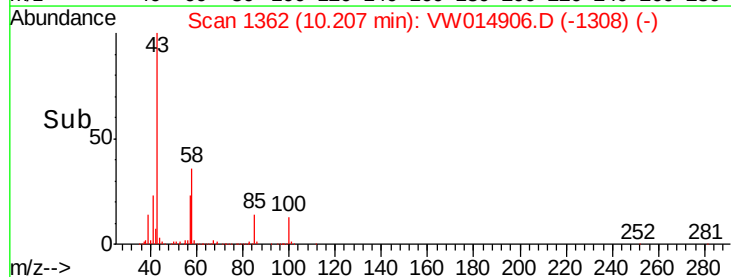
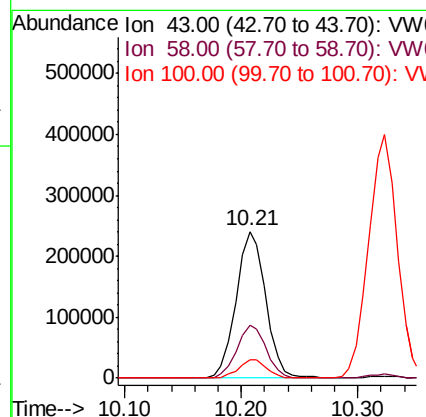
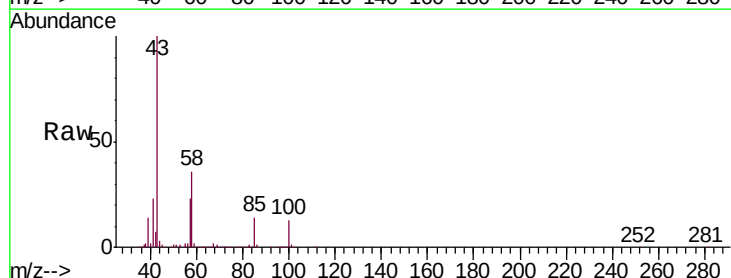
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

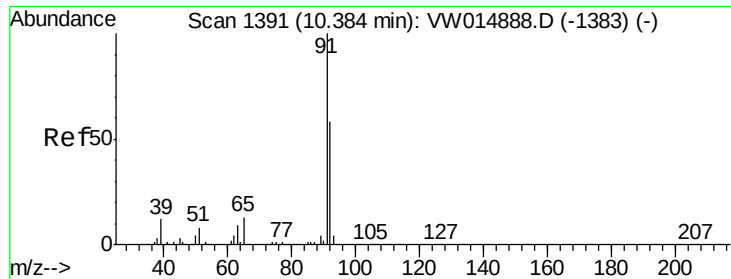
Tgt Ion: 75 Resp: 454055
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.5 41.9



#43
 4-Methyl-2-pentanone
 Concen: 49.340 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion: 43 Resp: 425339
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.0 45.0
 100 12.2 10.6 15.8





#44

Toluene

Concen: 25.046 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

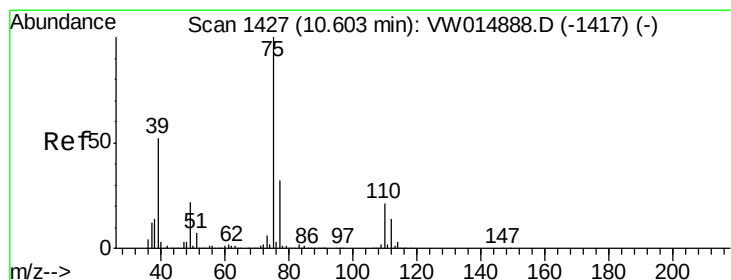
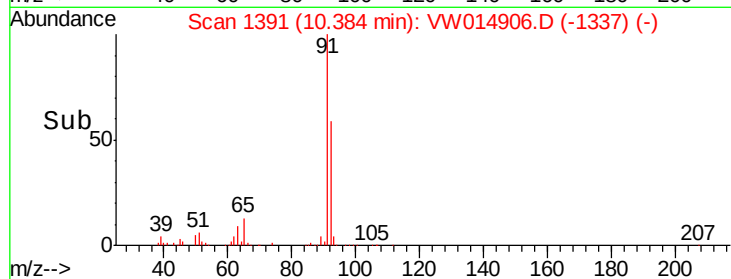
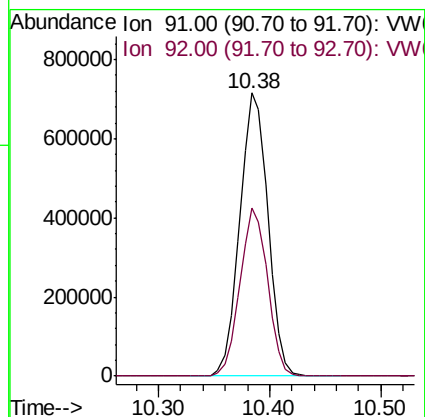
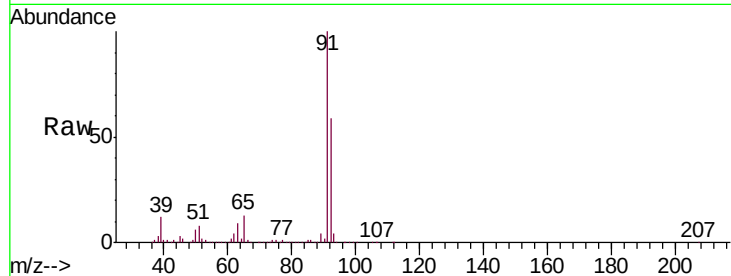
VSTD02516

Tgt Ion: 91 Resp: 1249105

Ion Ratio Lower Upper

91 100

92 59.3 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 24.369 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014906.D

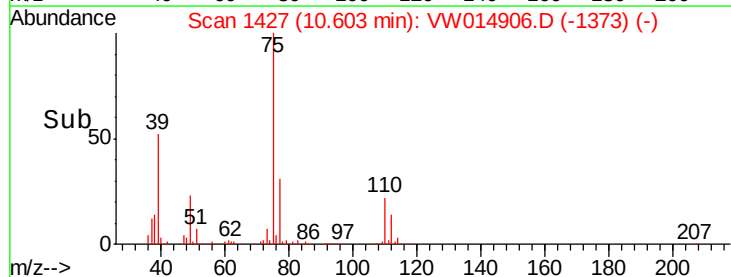
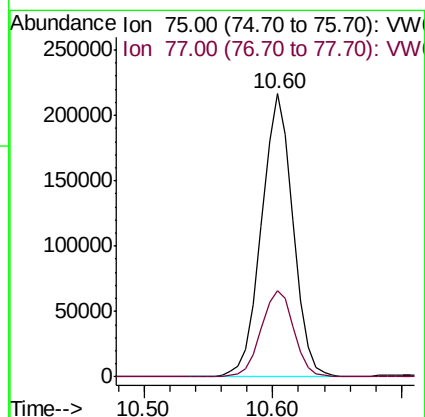
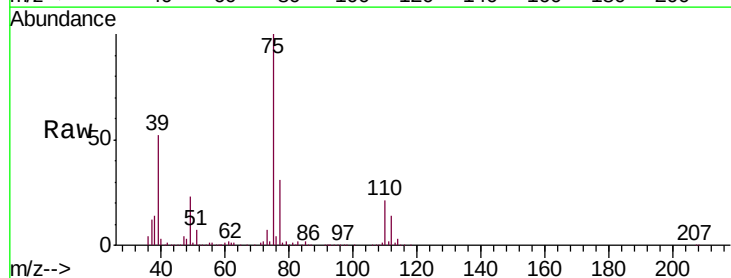
Acq: 06 Feb 2020 19:25

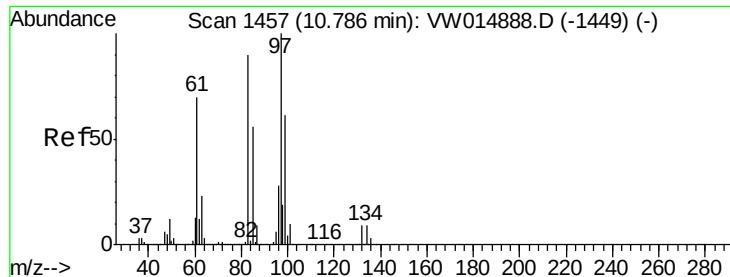
Tgt Ion: 75 Resp: 366336

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6

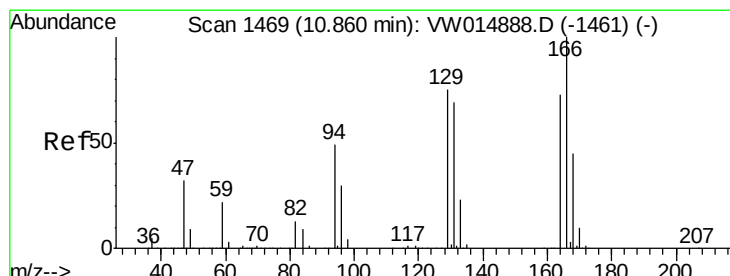
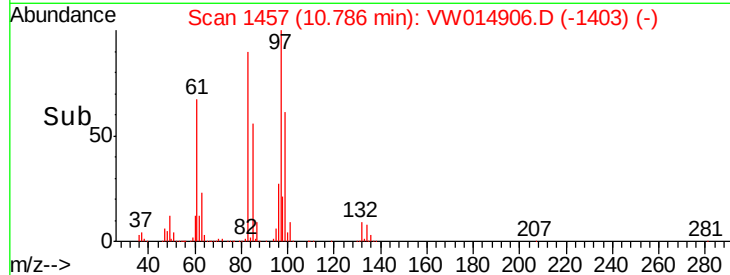
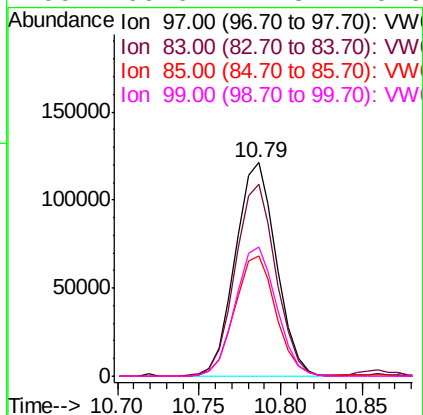
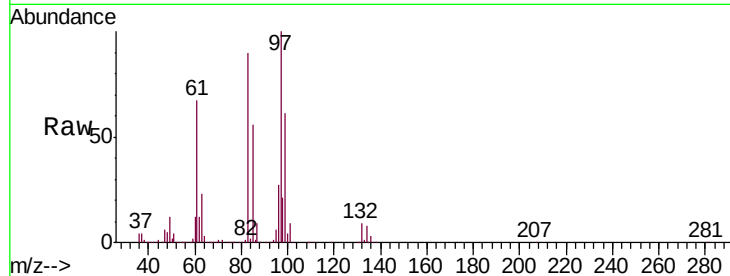




#46
 1,1,2-Trichloroethane
 Concen: 24.438 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

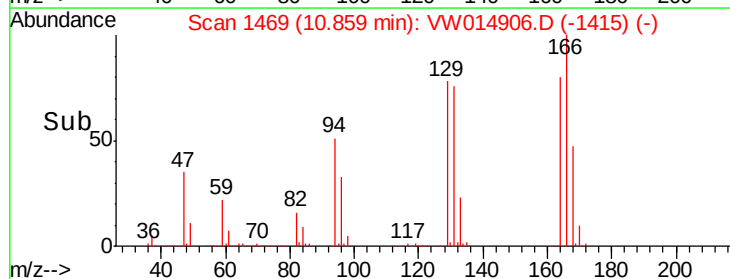
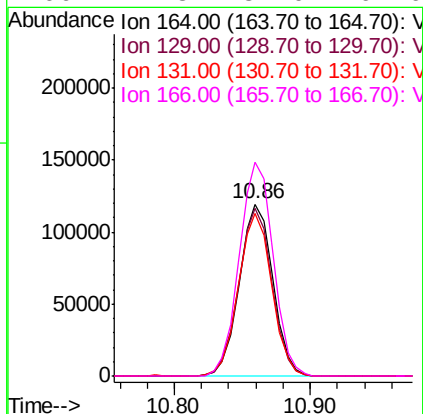
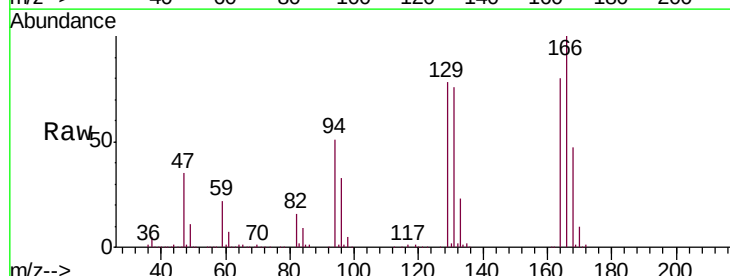
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

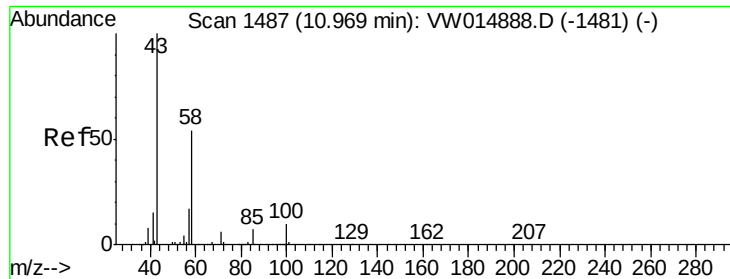
Tgt Ion:	97	Resp:	211501
Ion	Ratio	Lower	Upper
97	100		
83	89.8	60.8	112.8
85	56.1	39.9	74.1
99	60.6	42.8	79.6



#47
 Tetrachloroethene
 Concen: 22.966 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion:	164	Resp:	205494
Ion	Ratio	Lower	Upper
164	100		
129	97.6	67.5	125.4
131	94.9	64.0	119.0
166	124.3	87.0	161.6





#49

2-Hexanone

Concen: 50.443 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampled :

VSTD02516

Tgt Ion: 43 Resp: 305445

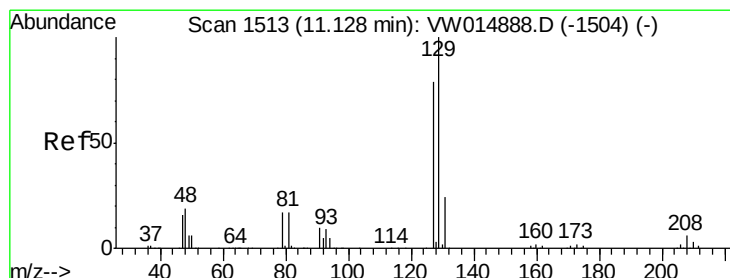
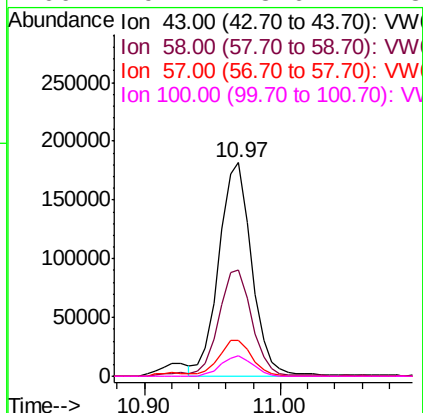
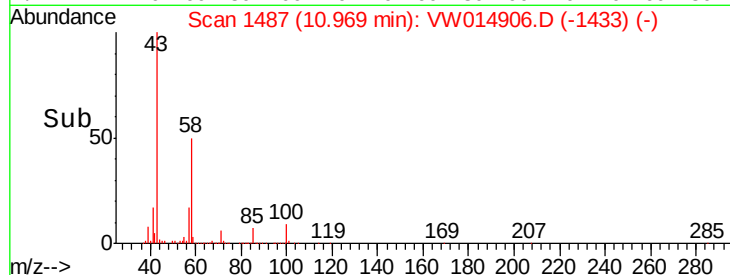
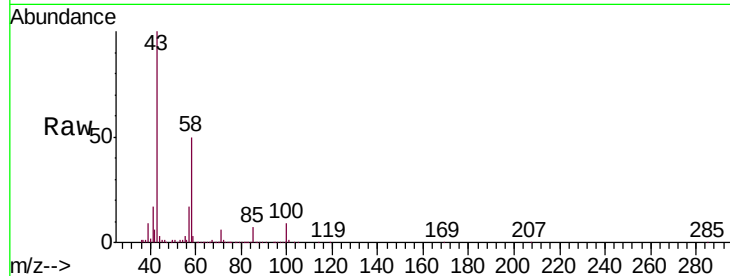
Ion Ratio Lower Upper

43 100

58 49.9 42.2 63.2

57 16.5 14.5 21.7

100 9.4 8.6 12.8



#50

Dibromochloromethane

Concen: 24.066 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014906.D

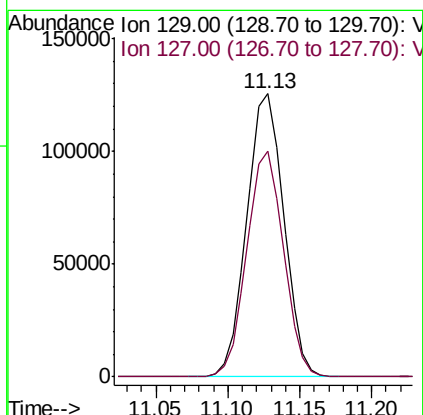
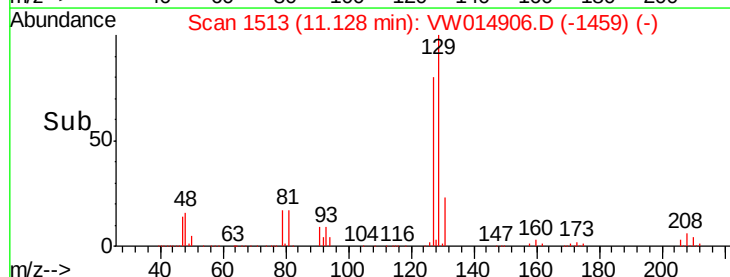
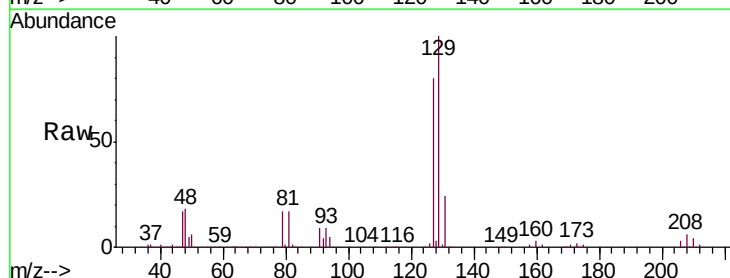
Acq: 06 Feb 2020 19:25

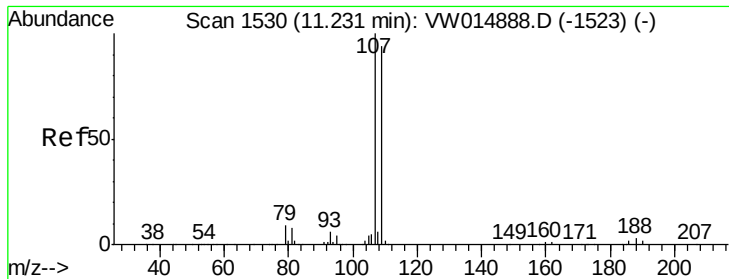
Tgt Ion: 129 Resp: 223849

Ion Ratio Lower Upper

129 100

127 79.6 54.1 100.5

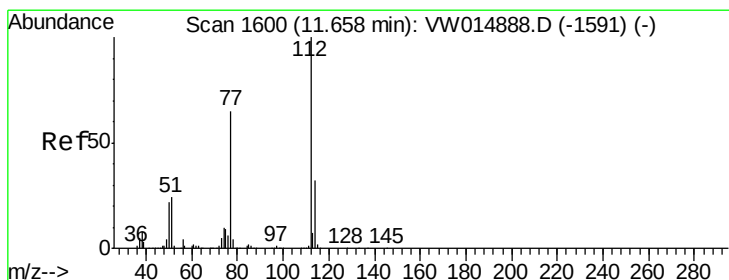
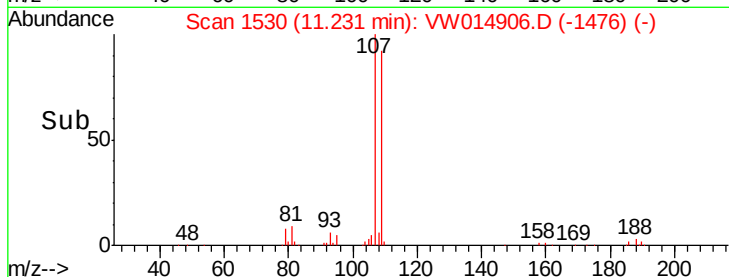
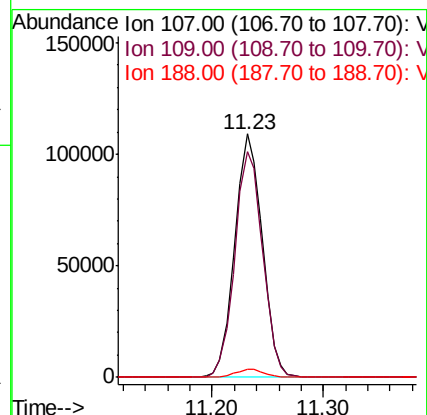
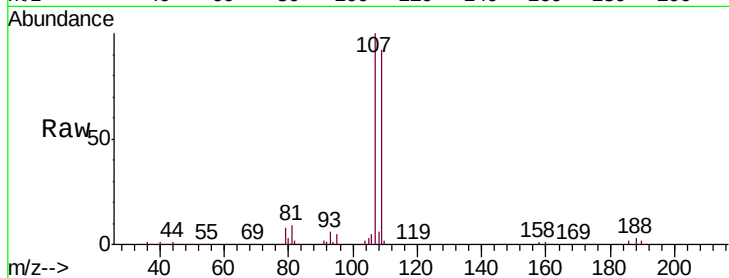




#51
1,2-Dibromoethane
Concen: 23.264 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

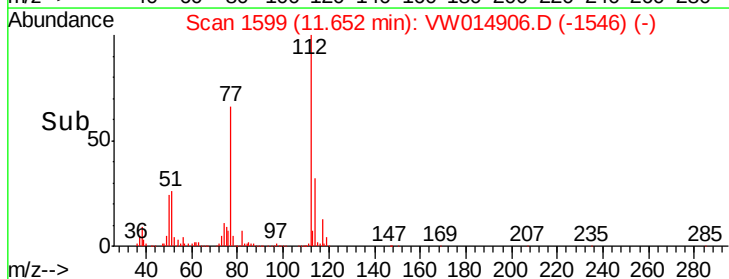
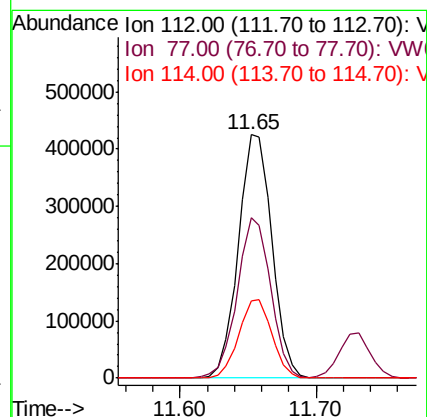
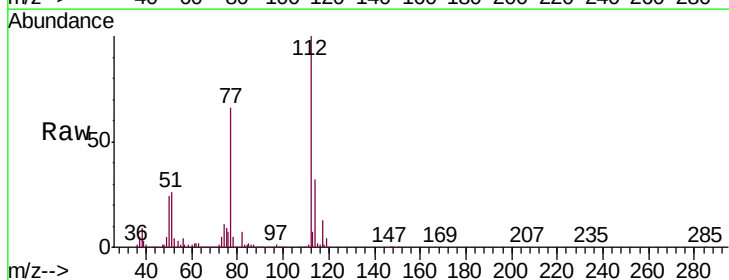
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

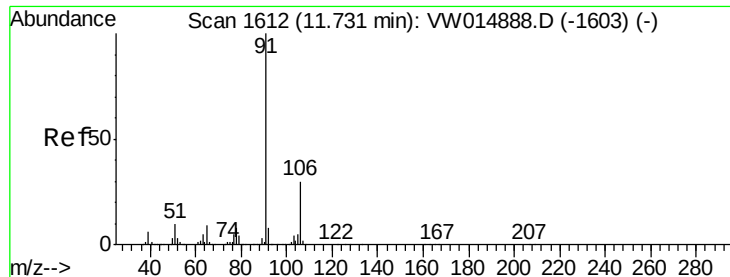
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	65.0	120.6
188	3.3	2.4	3.6



#52
Chlorobenzene
Concen: 24.038 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.9	49.9	74.9
114	31.7	22.7	42.1

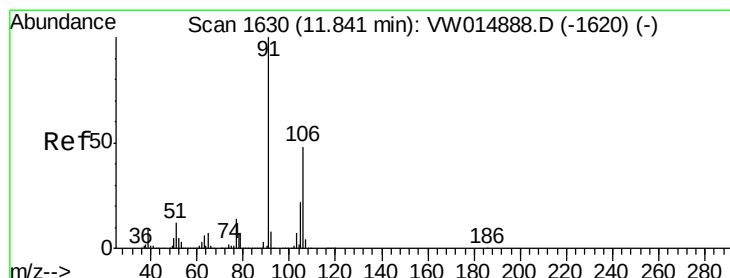
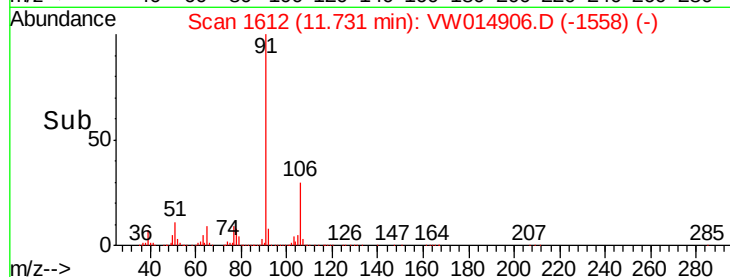
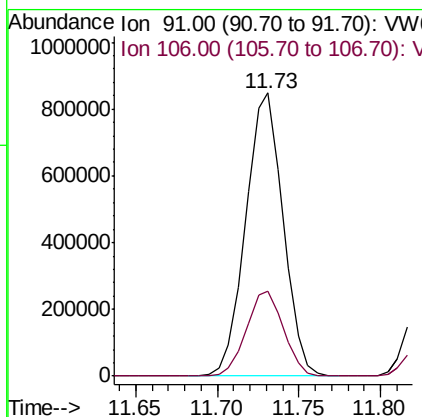
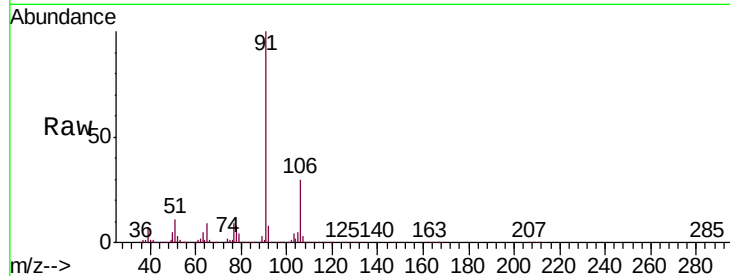




#53
Ethylbenzene
Concen: 24.799 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

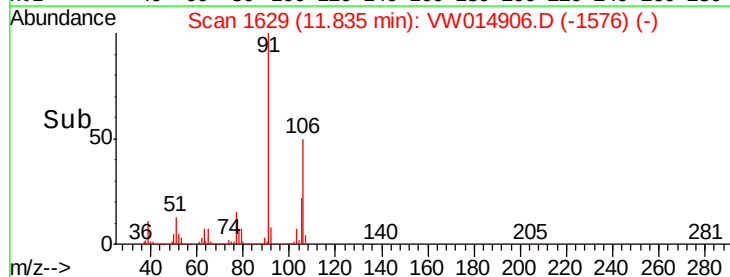
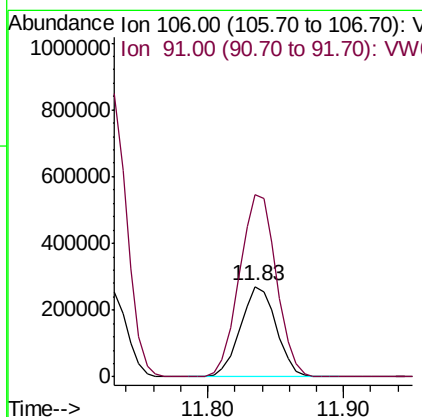
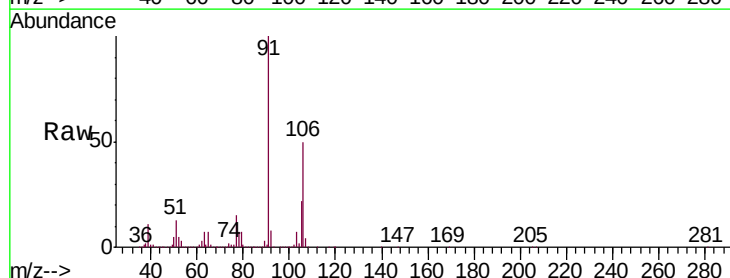
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

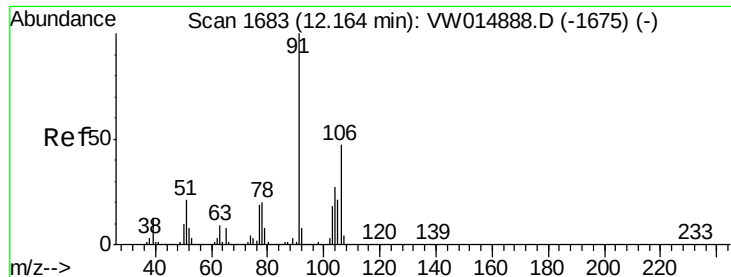
Tgt Ion: 91 Resp: 1353032
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#54
m,p-Xylene
Concen: 24.980 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014906.D
Acq: 06 Feb 2020 19:25

Tgt Ion: 106 Resp: 497839
Ion Ratio Lower Upper
106 100
91 201.6 143.4 266.4





#55

o-xylene

Concen: 24.363 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

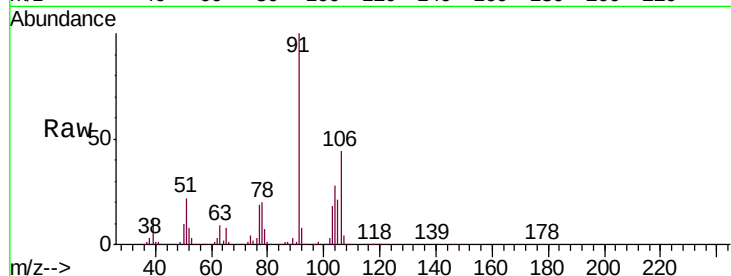
VSTD02516

Tgt Ion:106 Resp: 462092

Ion Ratio Lower Upper

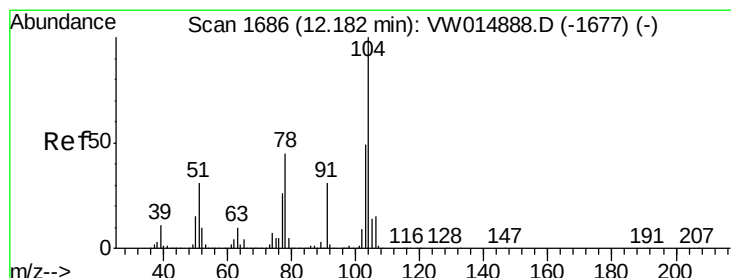
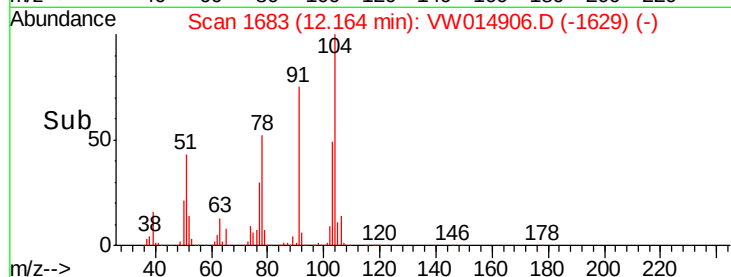
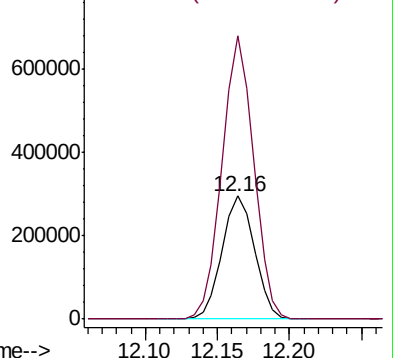
106 100

91 229.5 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.677 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW014906.D

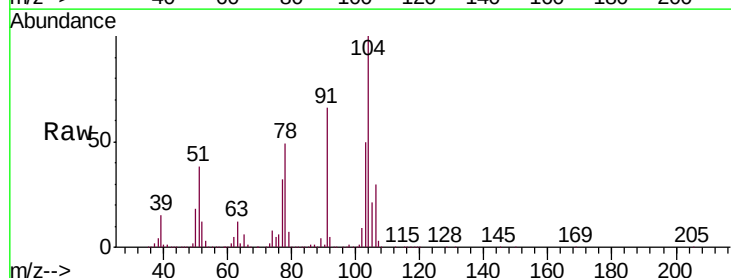
Acq: 06 Feb 2020 19:25

Tgt Ion:104 Resp: 823116

Ion Ratio Lower Upper

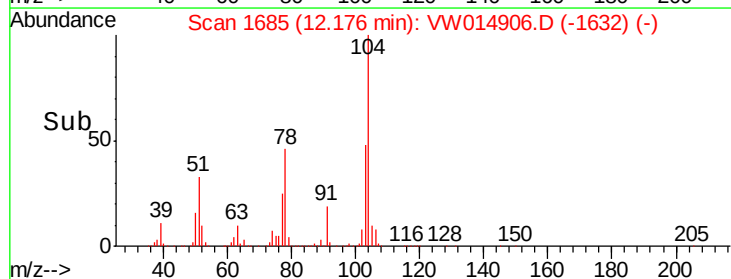
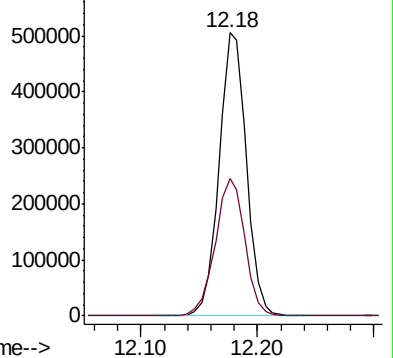
104 100

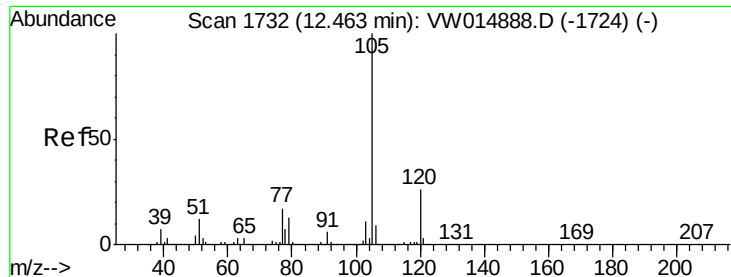
78 48.7 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.776 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampled :

VSTD02516

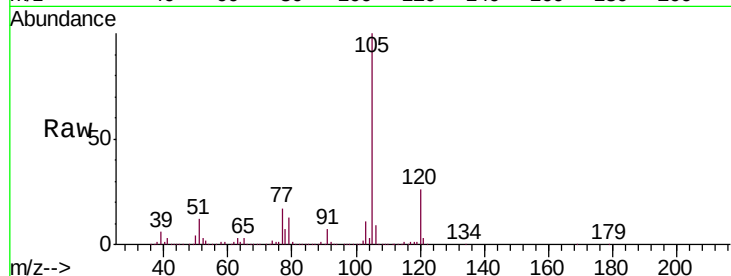
Tgt Ion: 105 Resp: 1262055

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

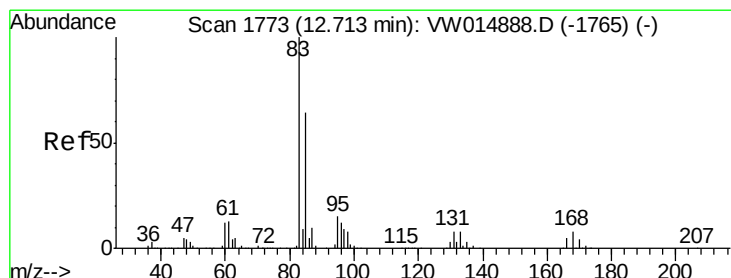
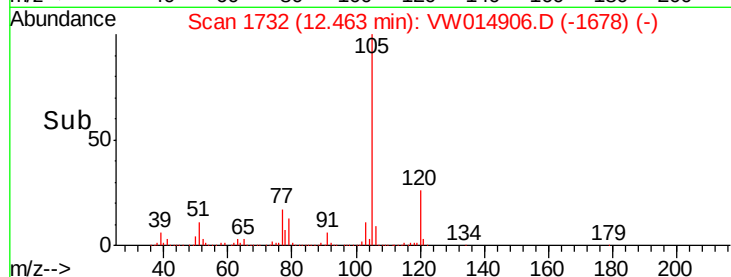
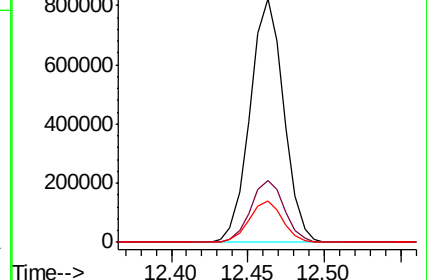
77 16.9 13.1 19.7



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: 24.461 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

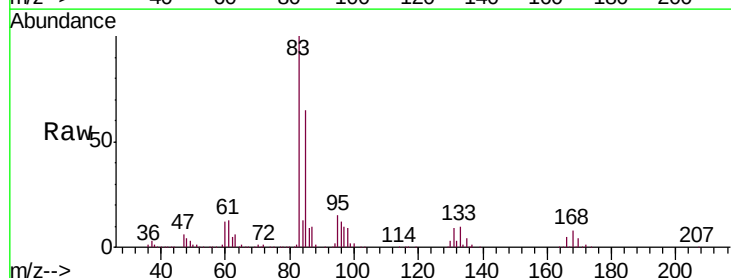
Tgt Ion: 83 Resp: 264232

Ion Ratio Lower Upper

83 100

85 64.8 45.9 85.3

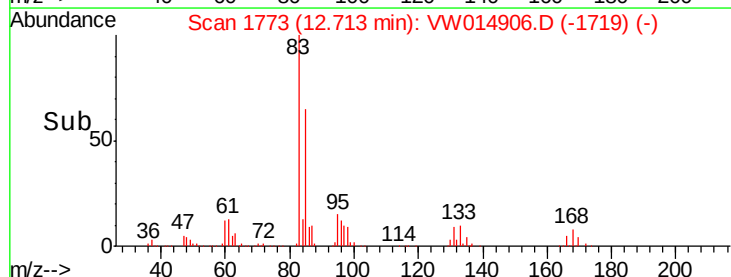
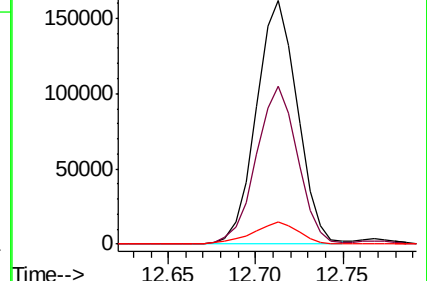
131 9.0 7.3 10.9

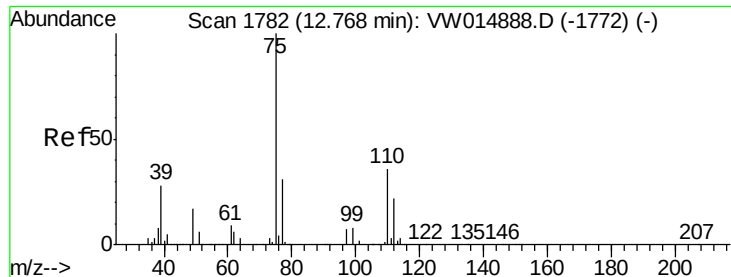


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

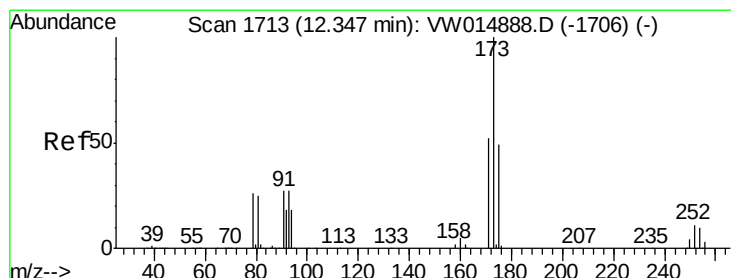
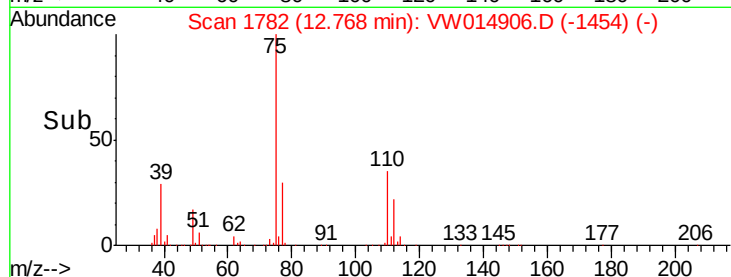
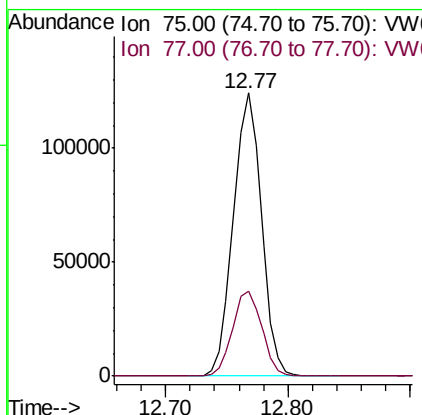
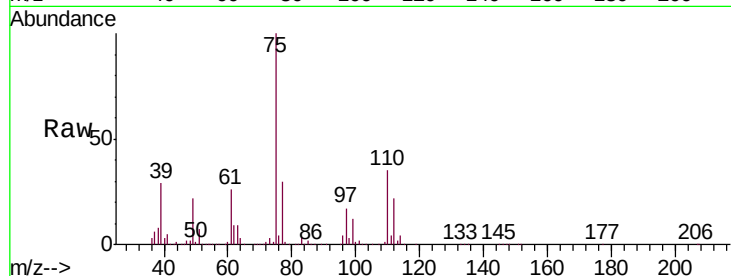




#59
 1,2,3-Trichloropropane
 Concen: 24.379 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

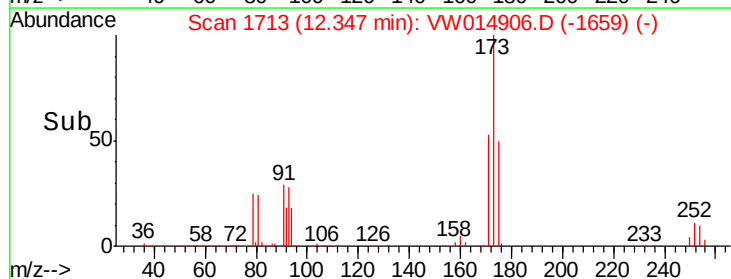
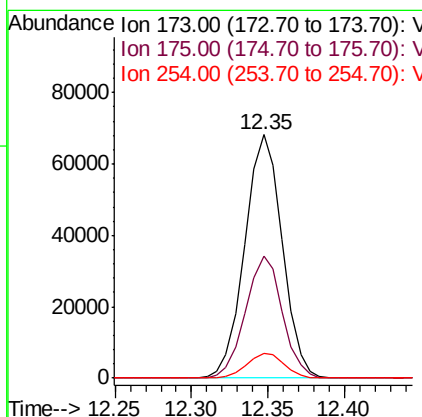
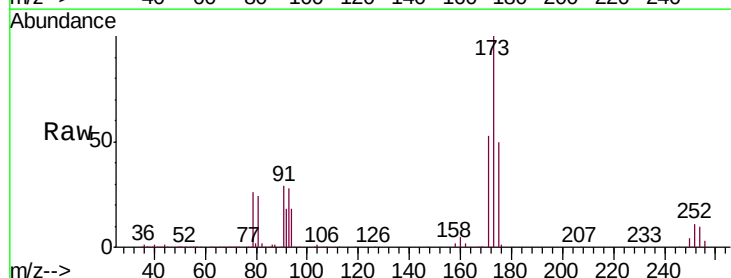
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

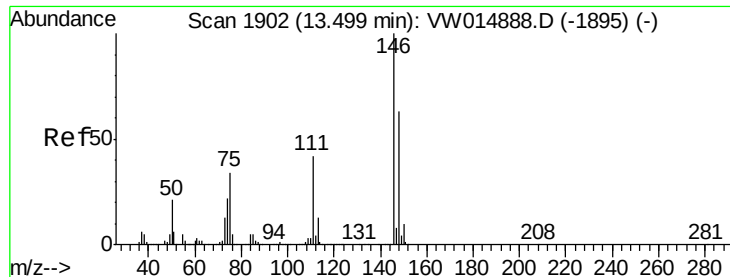
Tgt Ion: 75 Resp: 198133
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.9 38.9



#62
 Bromoform
 Concen: 22.379 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion: 173 Resp: 116220
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.9 58.3
 254 10.0 7.8 11.8





#63

1,3-Dichlorobenzene

Concen: 23.146 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

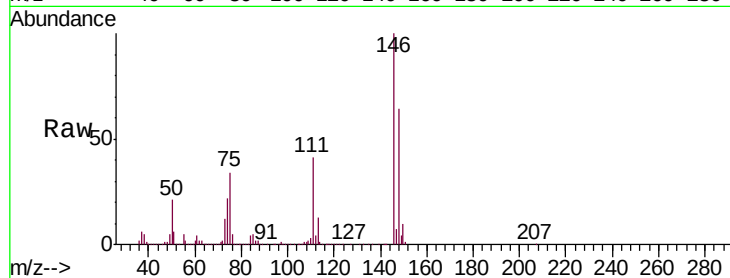
Tgt Ion:146 Resp: 532642

Ion Ratio Lower Upper

146 100

111 41.4 28.6 53.0

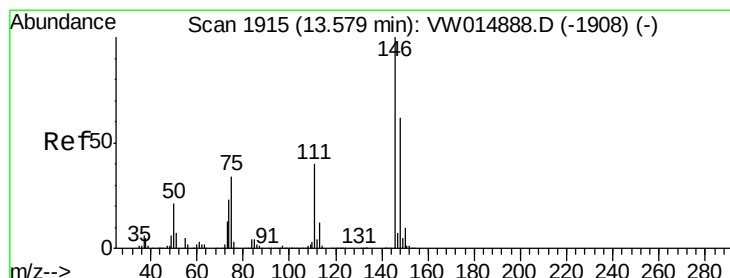
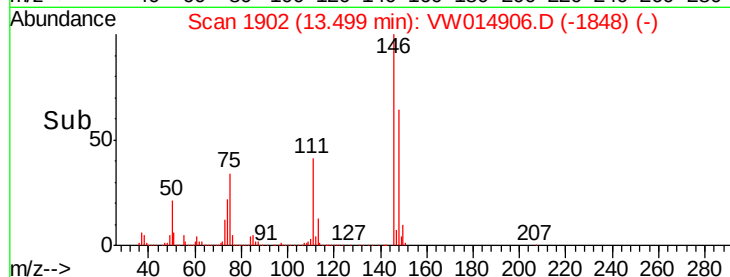
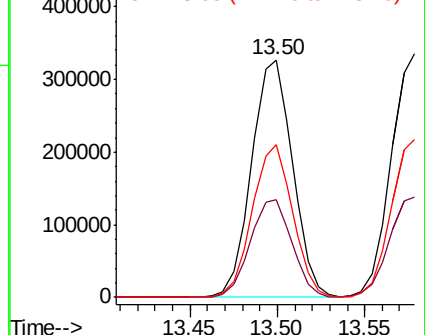
148 64.5 43.3 80.5



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



#64

1,4-Dichlorobenzene

Concen: 23.142 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

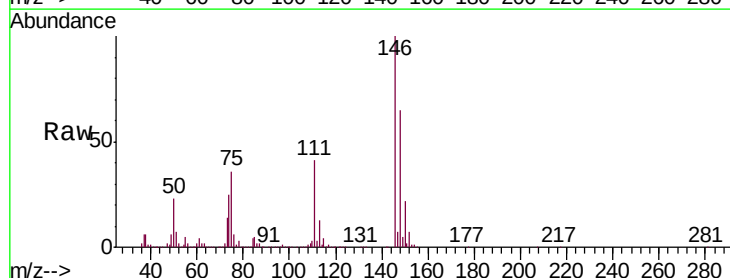
Tgt Ion:146 Resp: 536436

Ion Ratio Lower Upper

146 100

111 41.2 27.9 51.7

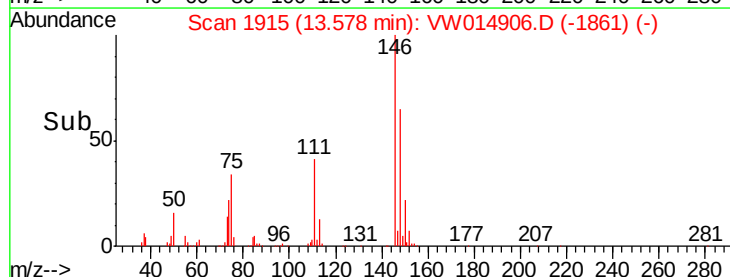
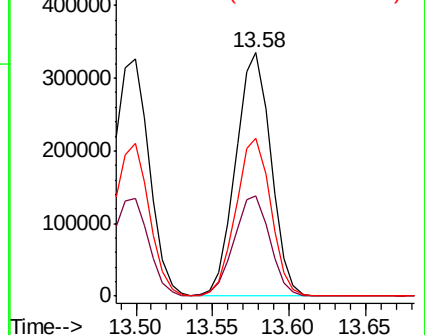
148 64.6 44.0 81.8

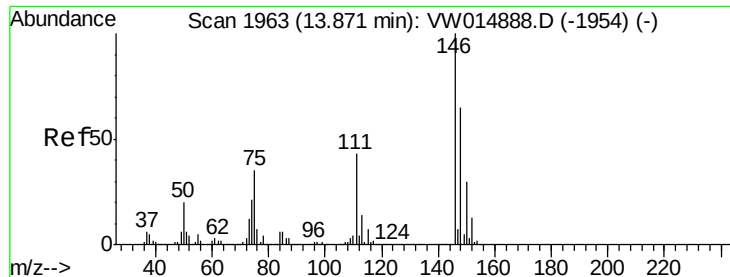


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

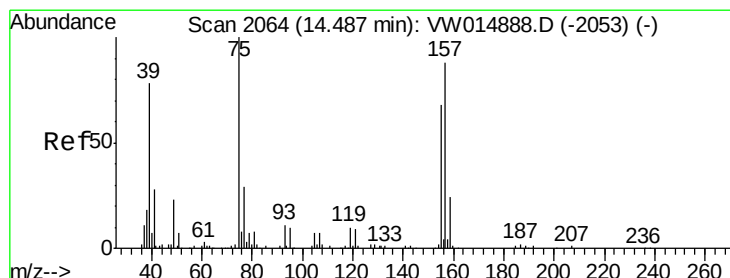
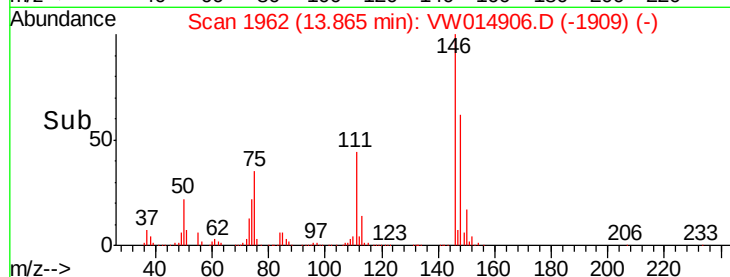
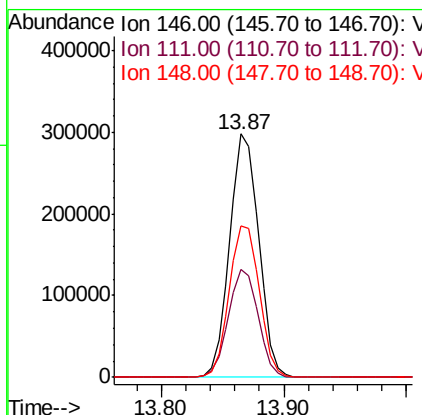
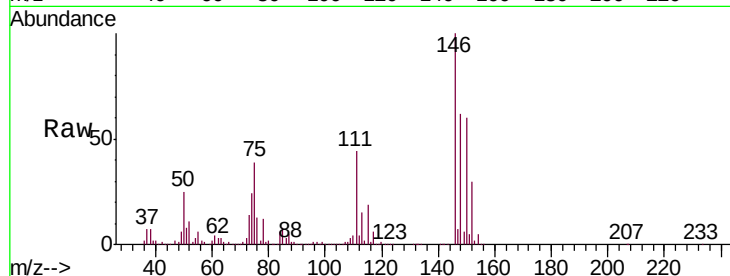




#65
 1,2-Dichlorobenzene
 Concen: 23.253 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

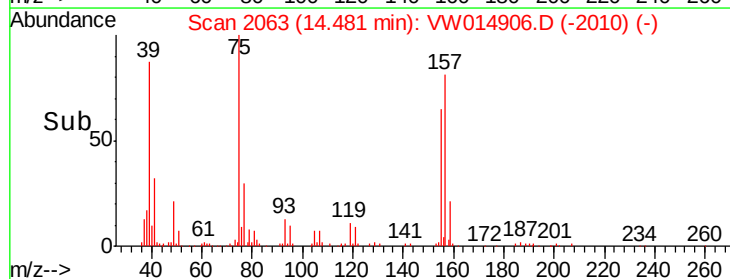
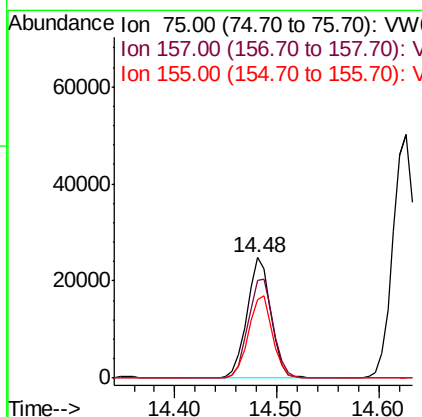
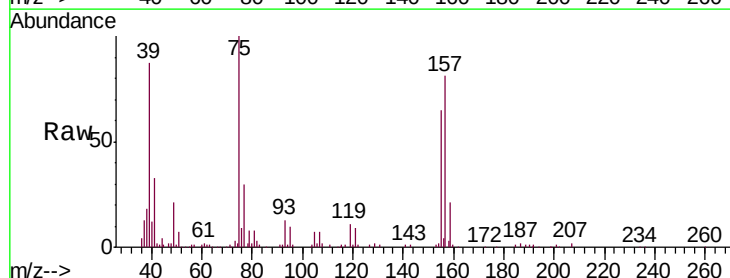
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

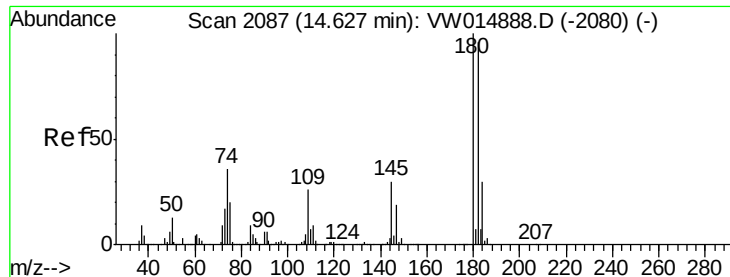
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	35.0	52.6
148	62.2	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.702 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
157	80.8	74.2	111.4
155	64.7	56.1	84.1

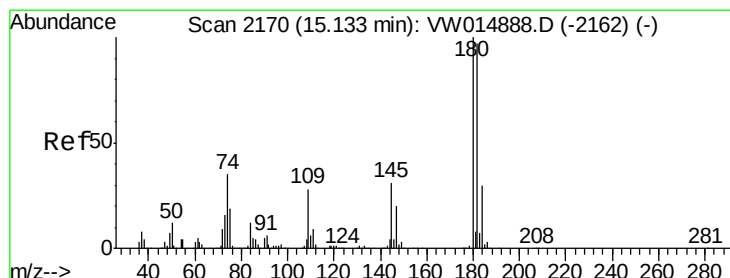
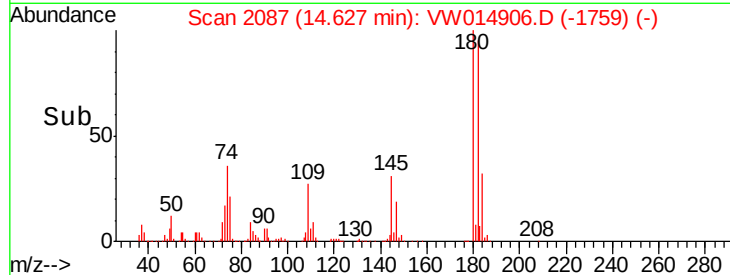
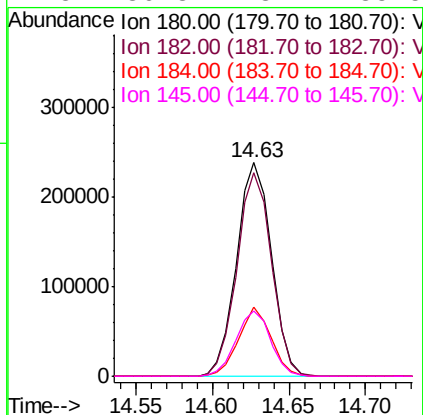
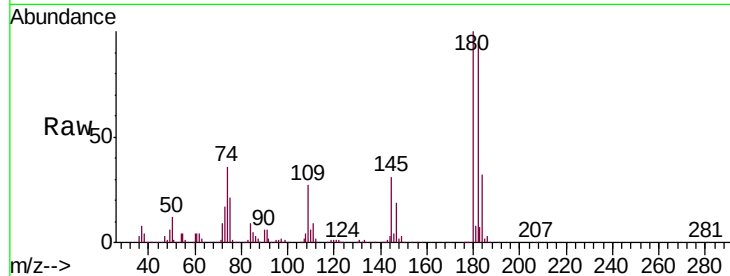




#67
 1,3,5-Trichlorobenzene
 Concen: 22.835 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

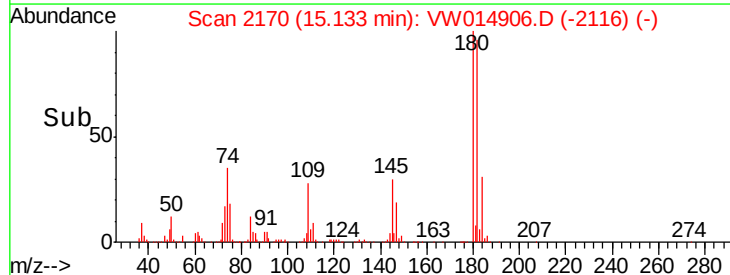
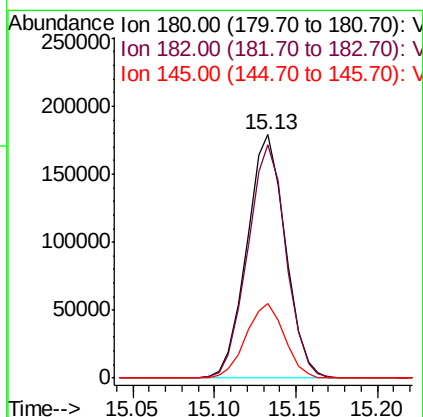
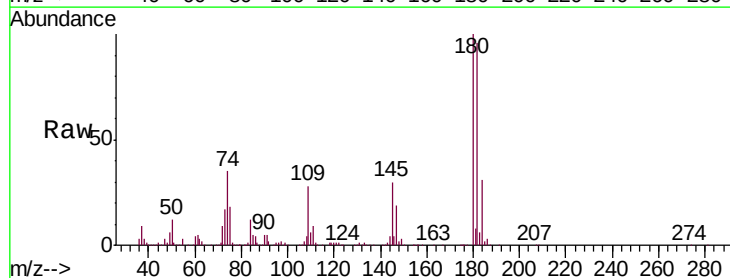
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

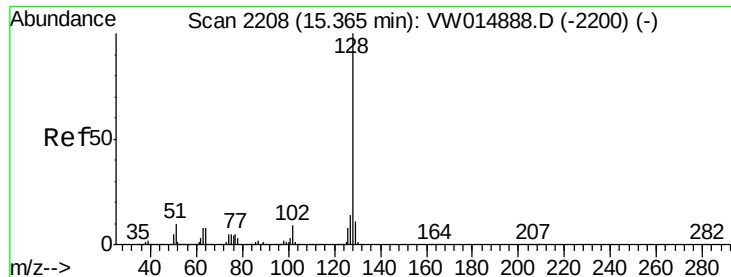
Tgt Ion:	180	Resp:	376350
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.5	113.3
184	30.2	24.6	36.8
145	30.3	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 22.571 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014906.D
 Acq: 06 Feb 2020 19:25

Tgt Ion:	180	Resp:	293910
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	30.8	24.6	37.0





#69

Naphthalene

Concen: 22.034 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

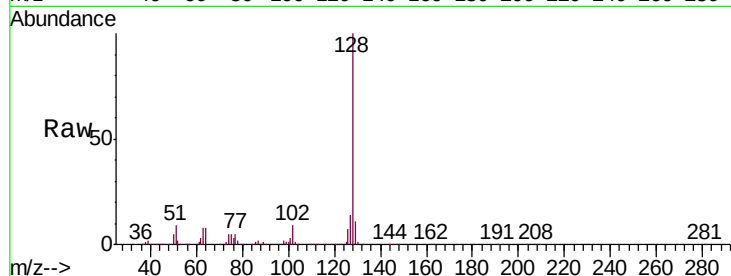
Tgt Ion:128 Resp: 564392

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

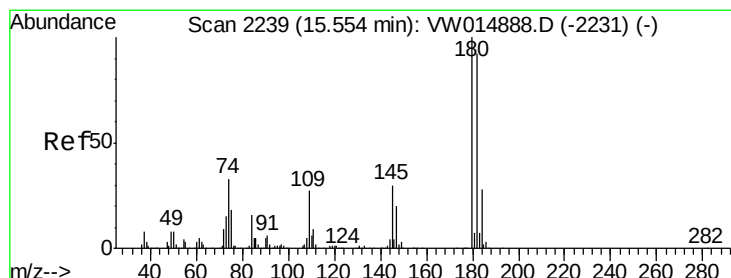
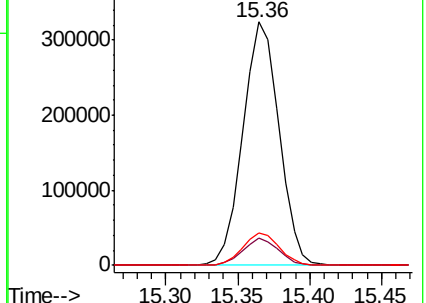
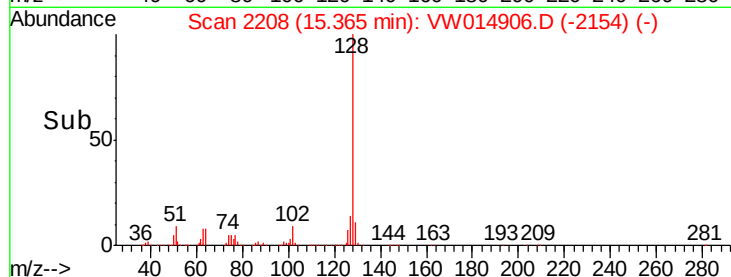
127 13.5 10.5 15.7



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: 23.224 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014906.D

Acq: 06 Feb 2020 19:25

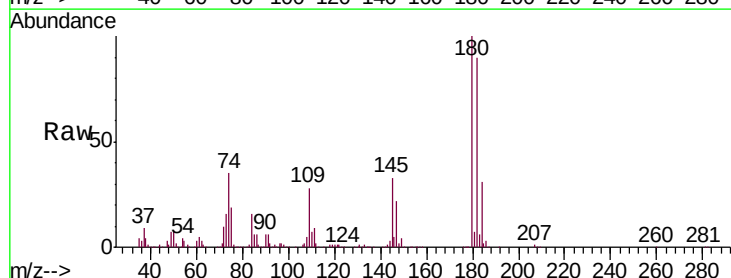
Tgt Ion:180 Resp: 279237

Ion Ratio Lower Upper

180 100

182 92.7 75.3 112.9

145 32.9 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

