

Data File : VW014790.D
Acq On : 29 Jan 2020 11:39
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Quant Time: Jan 30 06:56:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 29 15:01:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1009834	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	875747	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	411837	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	379461	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
7) Chloroethane-d5	2.89	69	339684	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
10) 1,1-Dichloroethene-d2	4.02	63	734320	25.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.48%
20) 2-Butanone-d5	7.07	46	173573	38.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.44%
24) Chloroform-d	7.65	84	690284	24.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	8.30	65	343428	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.27	84	1425542	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.27	67	438995	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.48%
37) Toluene-d8	10.32	98	1280145	26.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.28%
38) trans-1,3-Dichloropropene-	10.57	79	163212	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.64%
39) 2-Hexanone-d5	10.92	63	131951	41.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	283316	21.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	388292	24.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.24%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	281251	22.648	ug/L	99
3) Chloromethane	2.21	50	348751	24.074	ug/L	99
5) Vinyl chloride	2.36	62	526988	25.856	ug/L	97
6) Bromomethane	2.78	94	268991	25.247	ug/L	100
8) Chloroethane	2.92	64	281834	25.524	ug/L	98
9) Trichlorofluoromethane	3.26	101	293368	29.976	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	364397	26.067	ug/L	99
12) 1,1-Dichloroethene	4.04	96	360556	26.155	ug/L	88
13) Acetone	4.12	43	185977	38.234	ug/L	98
14) Carbon disulfide	4.38	76	1154577	25.585	ug/L	99
15) Methyl Acetate	4.67	43	150342	20.711	ug/L	98
16) Methylene chloride	4.91	84	385175	22.570	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	446849	24.522	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	368545	25.876	ug/L	96
19) 1,1-Dichloroethane	6.21	63	690086	25.836	ug/L	99
21) 2-Butanone	7.17	43	216031	39.665	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	380916	25.544	ug/L	98

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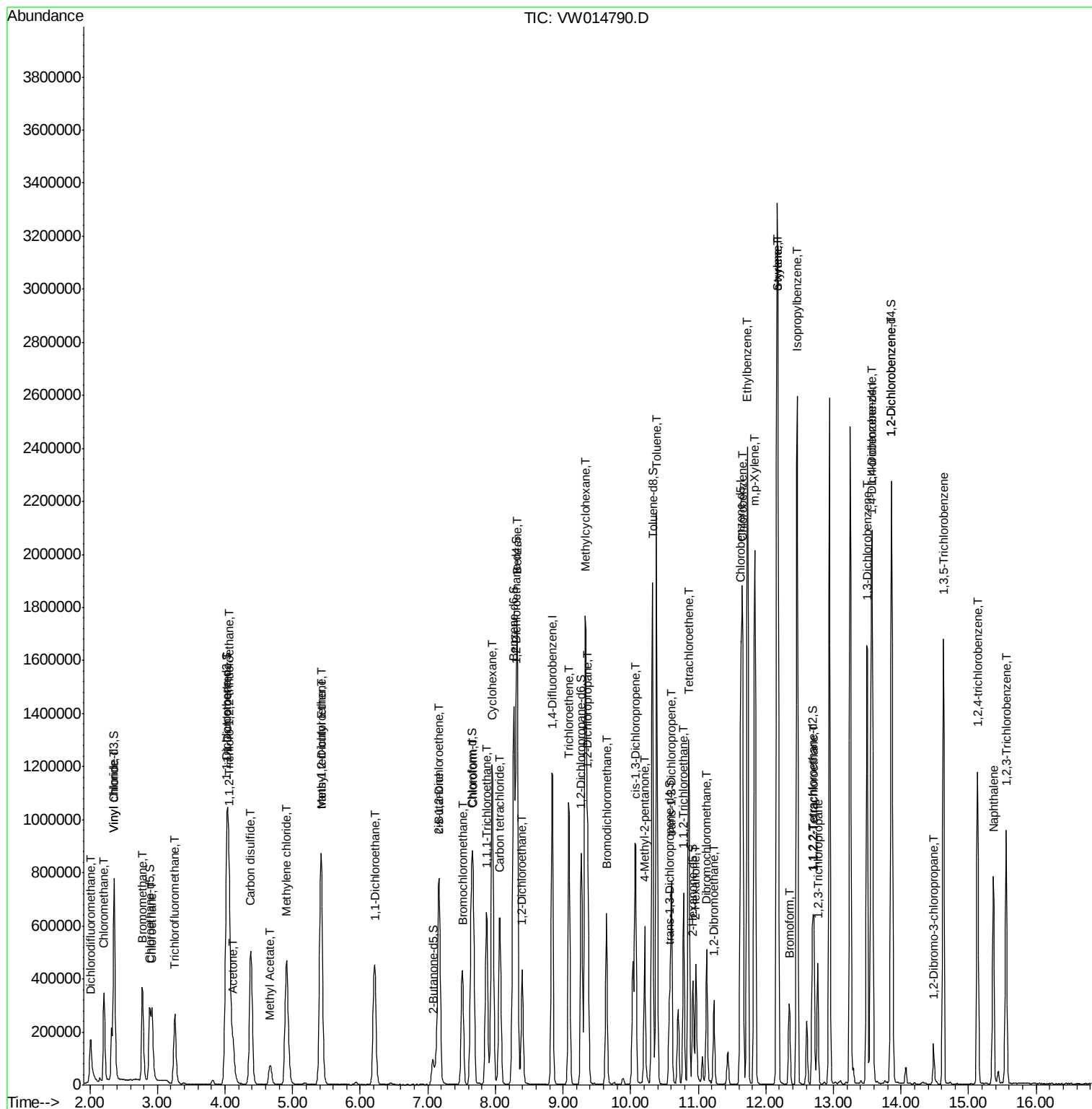
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	152299	23.372	ug/L	97
25) Chloroform	7.67	83	640993	25.720	ug/L	99
27) 1,2-Dichloroethane	8.40	62	397195	24.122	ug/L	99
30) Cyclohexane	7.95	56	697897	29.183	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	526038	27.509	ug/L	99
32) Carbon tetrachloride	8.07	117	492751	27.496	ug/L	100
34) Benzene	8.32	78	1512377	26.965	ug/L	100
35) Trichloroethene	9.09	95	378278	26.548	ug/L	99
36) Methylcyclohexane	9.33	83	705492	28.461	ug/L	99
40) 1,2-Dichloropropane	9.37	63	374085	26.310	ug/L	100
41) Bromodichloromethane	9.64	83	437742	25.760	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	551967	26.579	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	395710	42.325	ug/L	99
44) Toluene	10.38	91	1563412	27.433	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	420865	24.964	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	235115	24.224	ug/L	100
47) Tetrachloroethene	10.86	164	306742	26.944	ug/L	96
49) 2-Hexanone	10.96	43	297561	44.268	ug/L	100
50) Dibromochloromethane	11.13	129	274041	24.746	ug/L	96
51) 1,2-Dibromoethane	11.23	107	217520	23.298	ug/L	98
52) Chlorobenzene	11.65	112	924687	25.984	ug/L	100
53) Ethylbenzene	11.73	91	1731545	27.803	ug/L	100
54) m,p-Xylene	11.84	106	648586	27.859	ug/L	97
55) o-xylene	12.16	106	603136	27.610	ug/L	98
56) Styrene	12.18	104	1014975	27.396	ug/L	98
57) Isopropylbenzene	12.46	105	1655221	27.978	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	268631	21.481	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	197796	21.056	ug/L	98
62) Bromoform	12.35	173	144613	22.369	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	701510	26.384	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	687363	25.795	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	618183	25.562	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	39793	20.062	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	527782	26.800	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	388561	26.586	ug/L	99
69) Naphthalene	15.36	128	649987	24.590	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	341318	25.472	ug/L	98

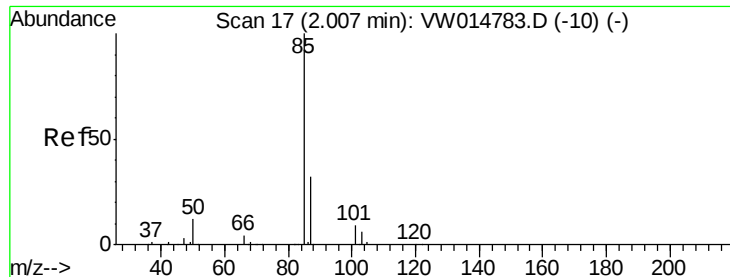
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.648 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampled :

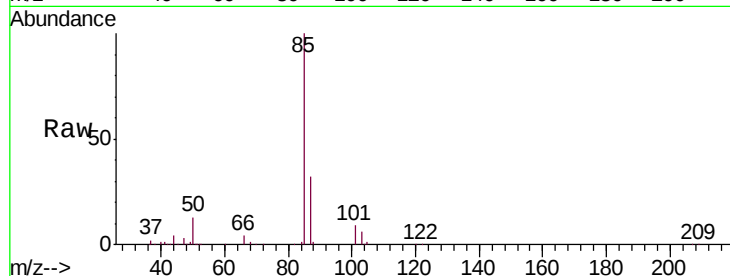
VSTD02528

Tgt Ion: 85 Resp: 281251

Ion Ratio Lower Upper

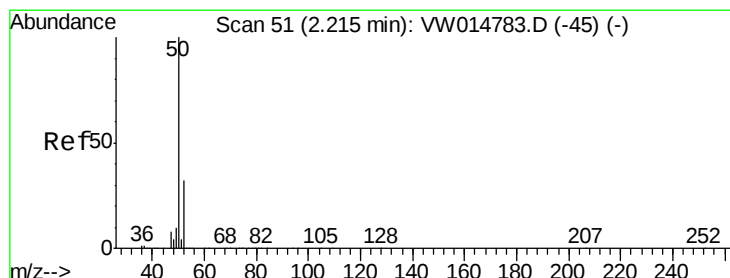
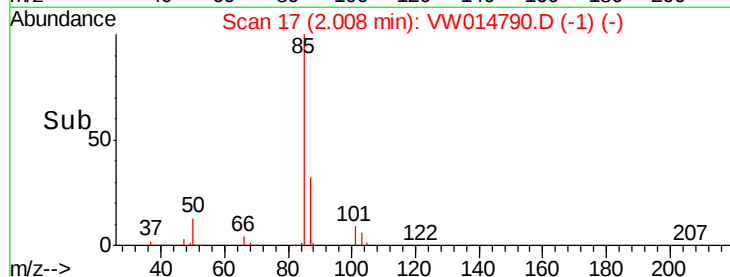
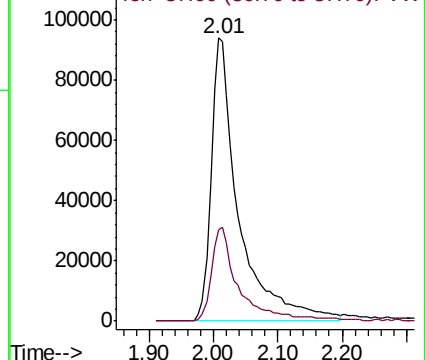
85 100

87 31.0 22.0 40.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.074 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014790.D

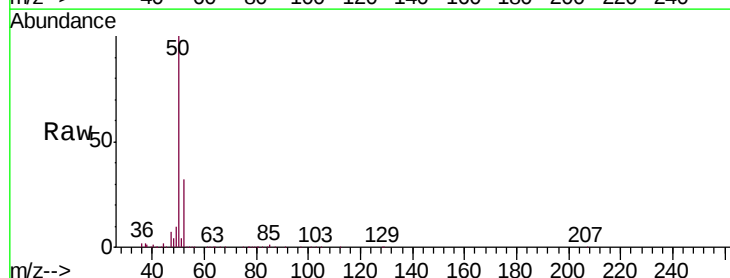
Acq: 29 Jan 2020 11:39

Tgt Ion: 50 Resp: 348751

Ion Ratio Lower Upper

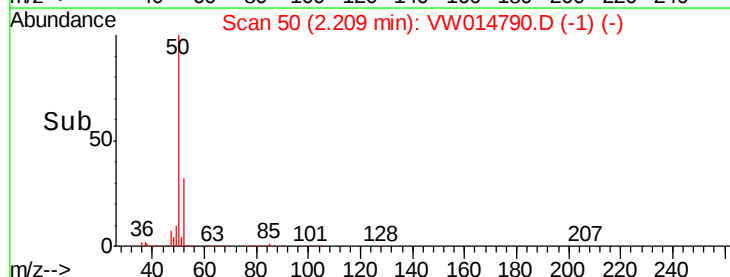
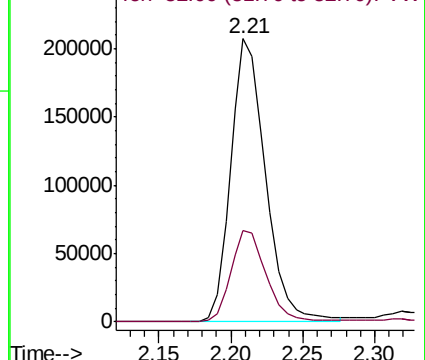
50 100

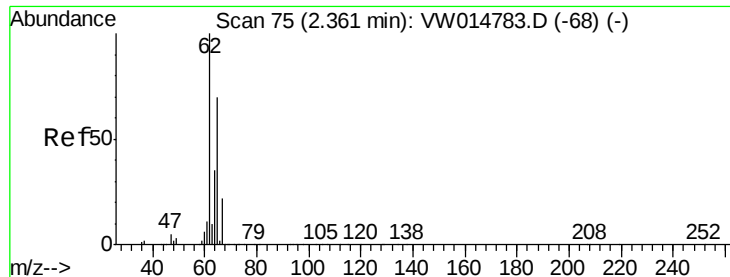
52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.856 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

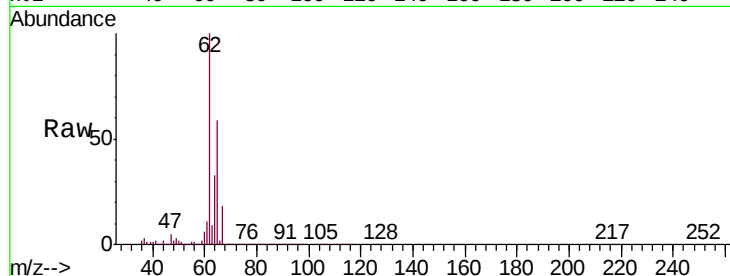
VSTD02528

Tgt Ion: 62 Resp: 526988

Ion Ratio Lower Upper

62 100

64 33.2 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

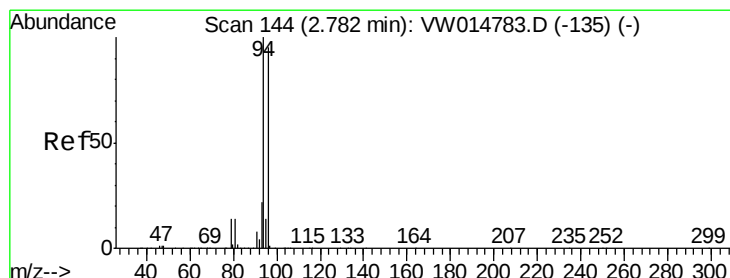
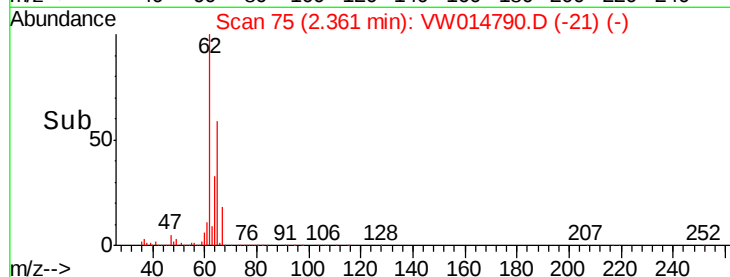
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 25.247 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014790.D

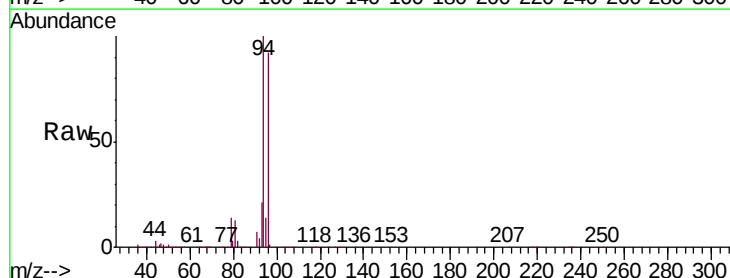
Acq: 29 Jan 2020 11:39

Tgt Ion: 94 Resp: 268991

Ion Ratio Lower Upper

94 100

96 93.8 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

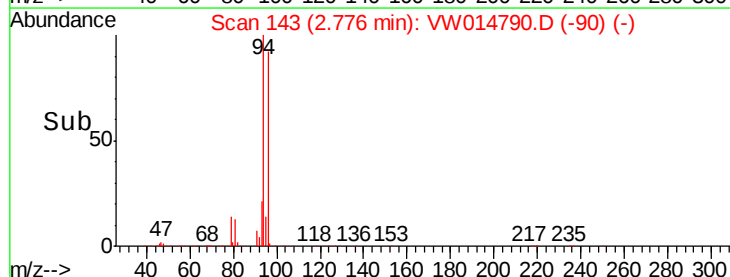
150000

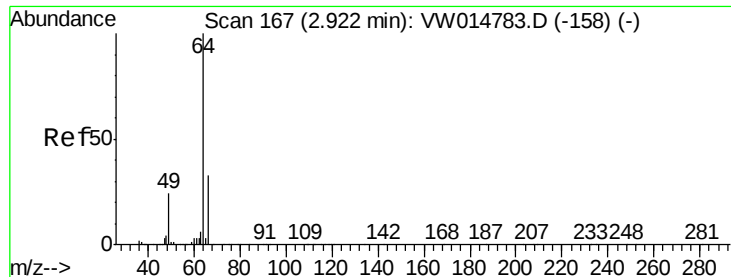
100000

50000

0

Time-->

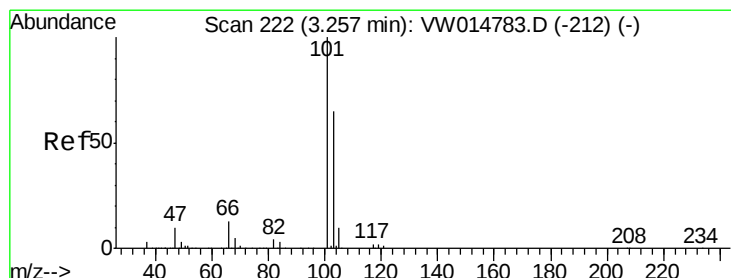
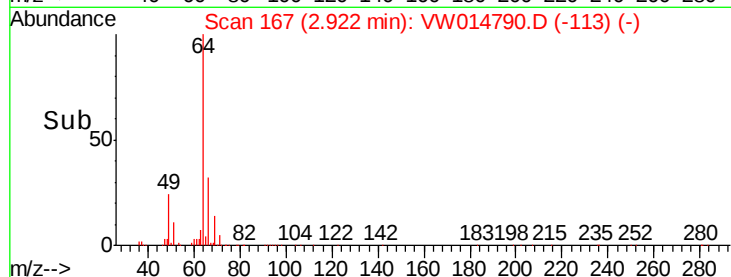
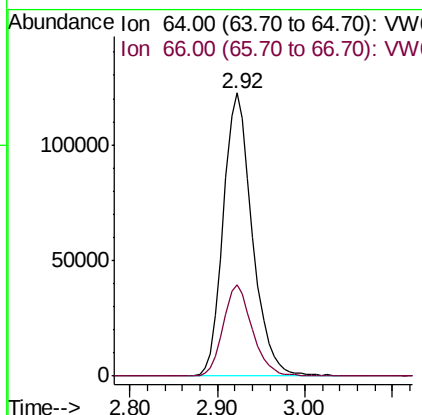
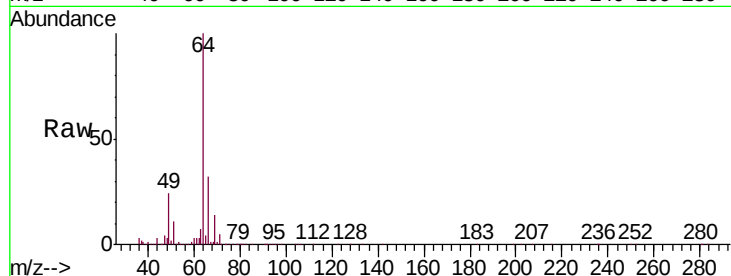




#8
Chloroethane
Concen: 25.524 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

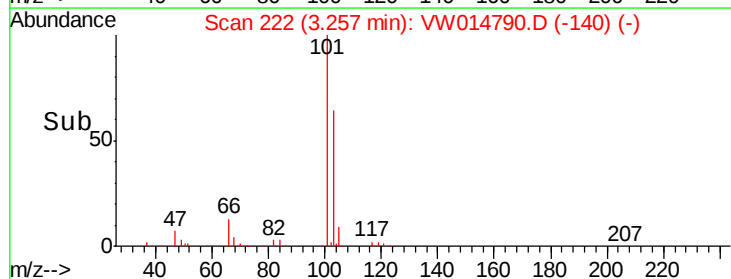
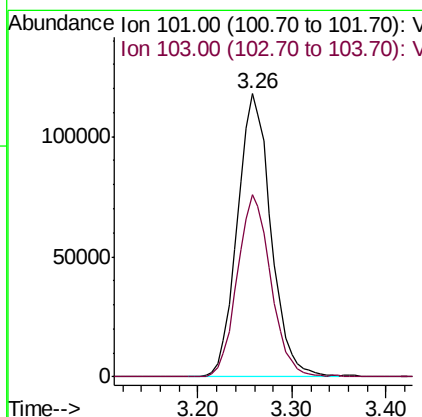
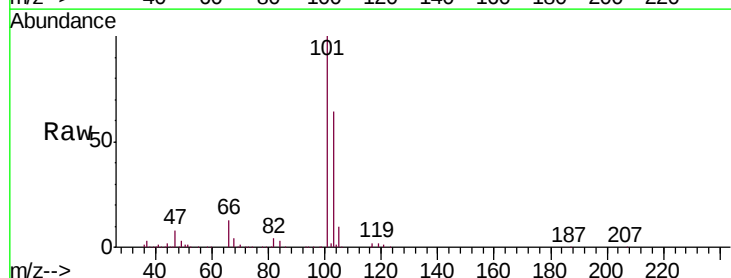
Instrument :
MSVOA_W
ClientSampled :
VSTD02528

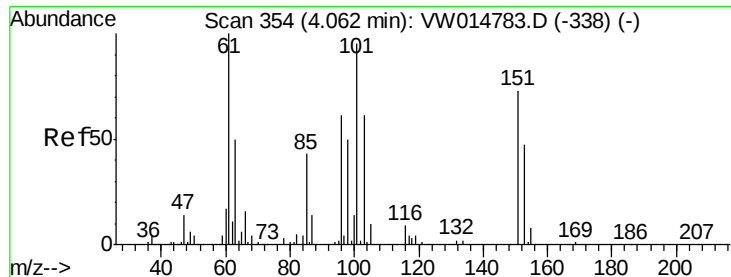
Tgt Ion: 64 Resp: 281834
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 29.976 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion: 101 Resp: 293368
Ion Ratio Lower Upper
101 100
103 64.3 45.1 83.9





#11

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

Concen: 26.067 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTD02528

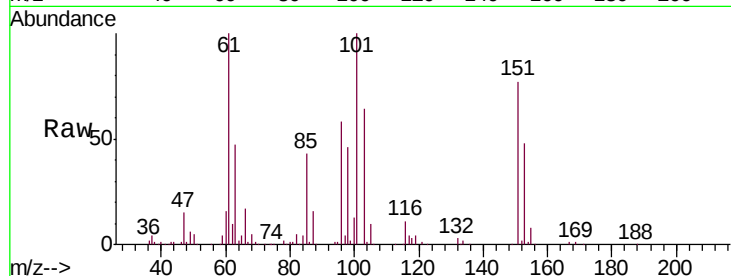
Tgt Ion:101 Resp: 364397

Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.6

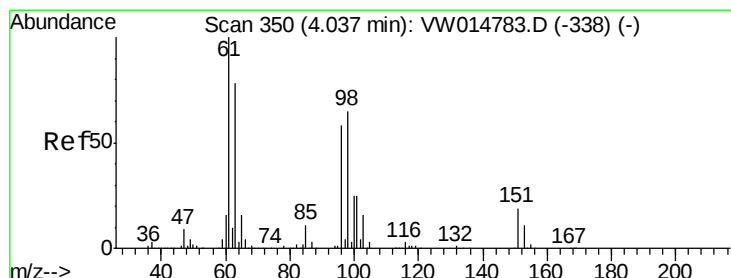
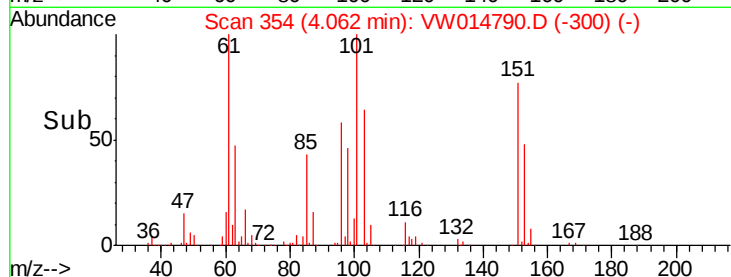
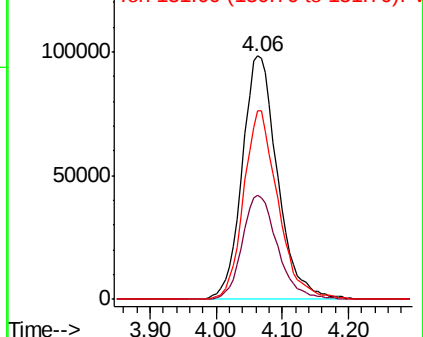
151 75.6 59.7 89.5



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: 26.155 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

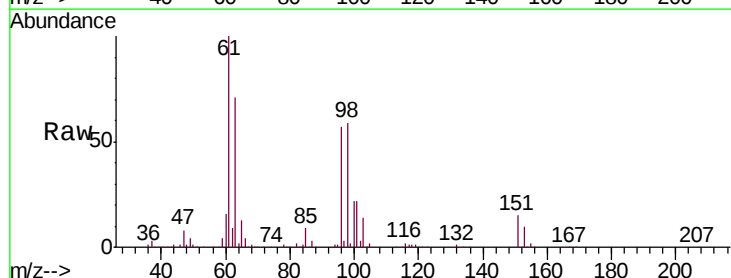
Tgt Ion: 96 Resp: 360556

Ion Ratio Lower Upper

96 100

61 174.3 124.3 230.9

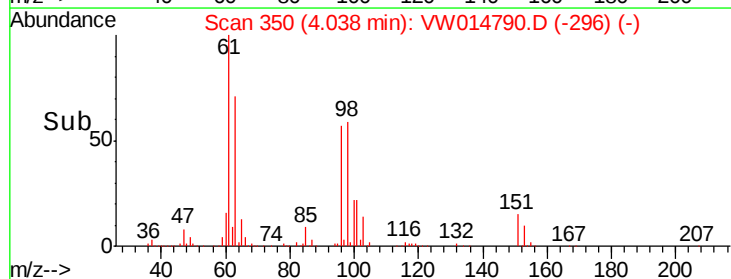
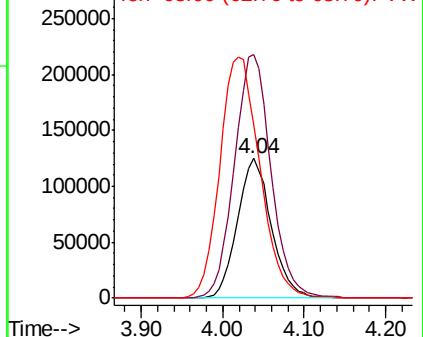
63 123.9 107.0 198.6

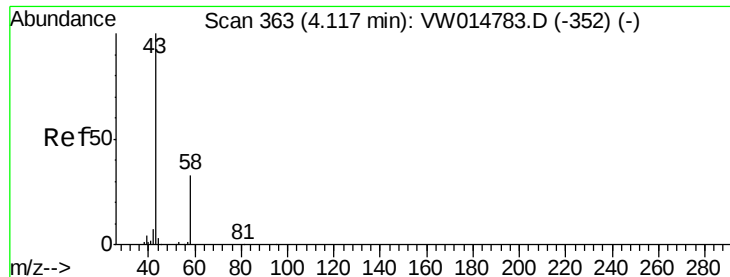


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.234 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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ClientSampleId :

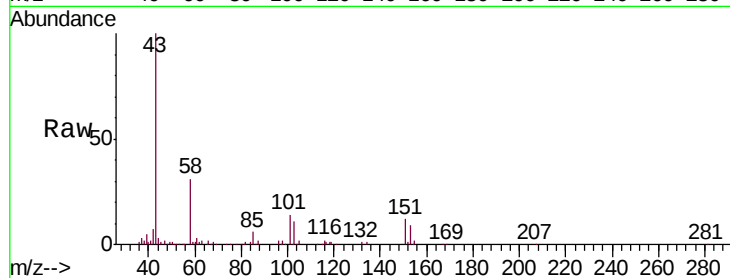
VSTD02528

Tgt Ion: 43 Resp: 185977

Ion Ratio Lower Upper

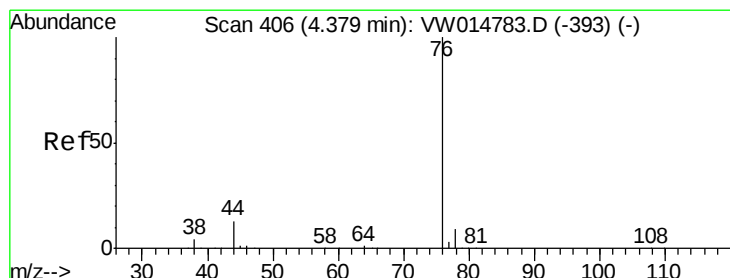
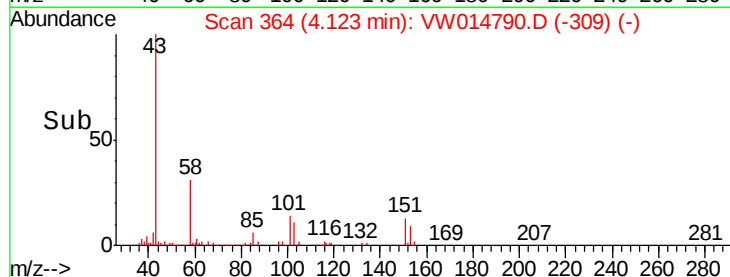
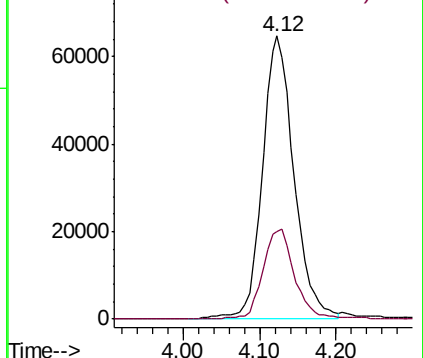
43 100

58 31.2 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: 25.585 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014790.D

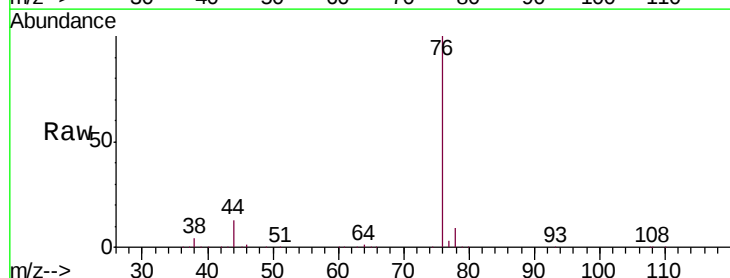
Acq: 29 Jan 2020 11:39

Tgt Ion: 76 Resp: 1154577

Ion Ratio Lower Upper

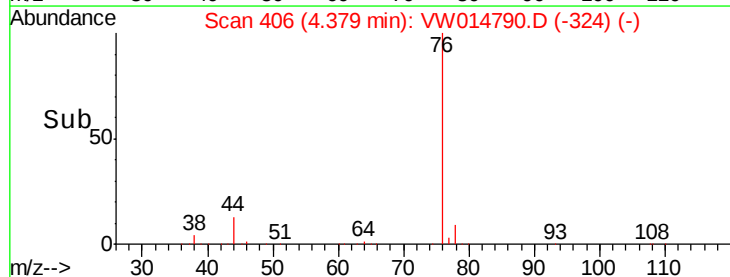
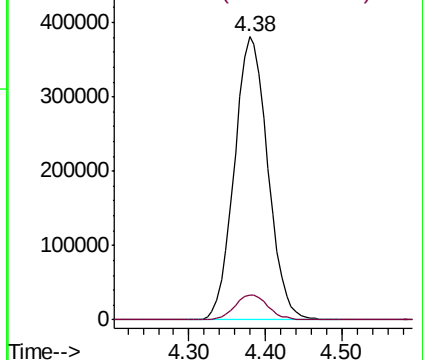
76 100

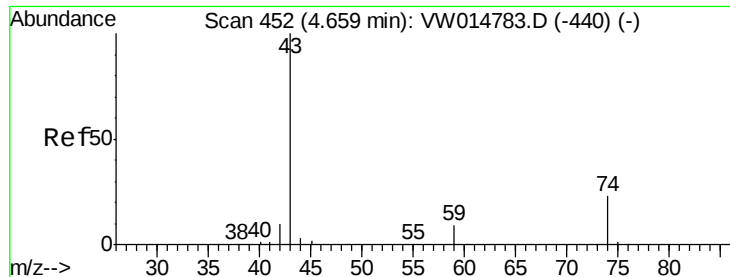
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

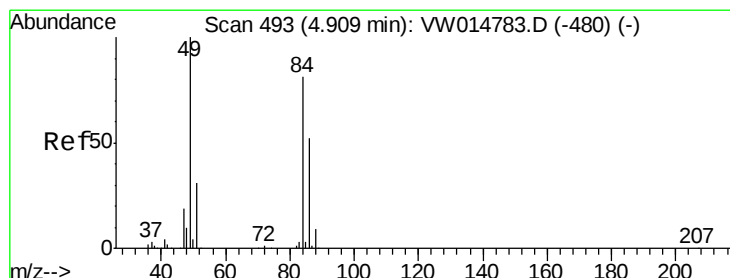
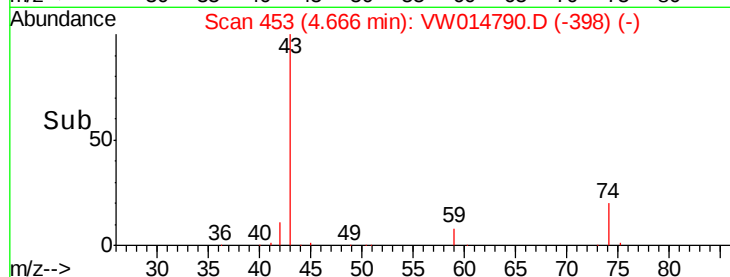
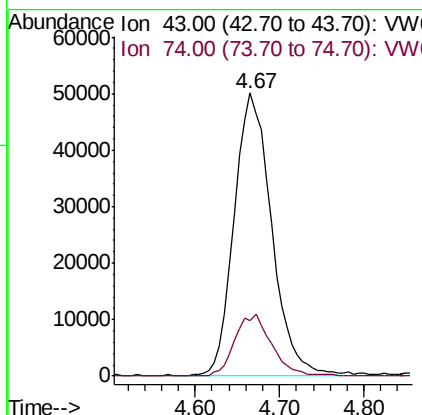
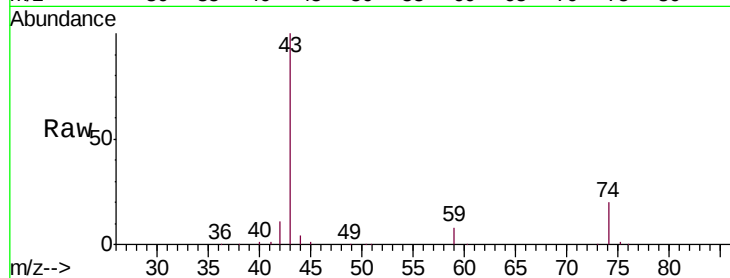




#15
Methyl Acetate
Concen: 20.711 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

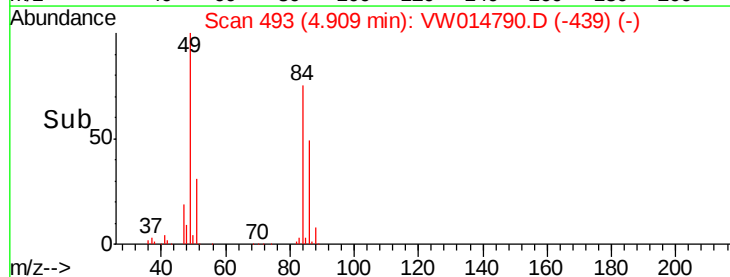
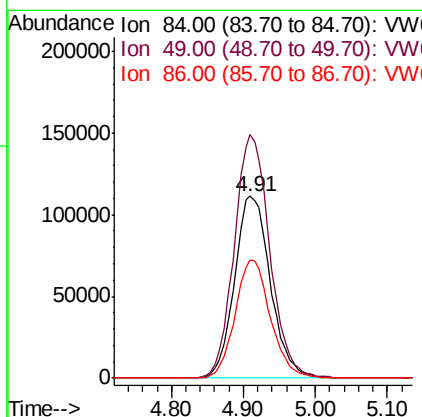
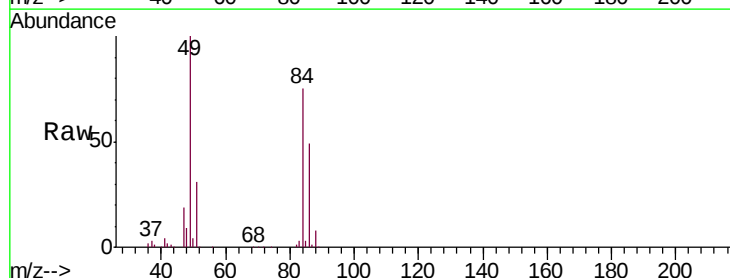
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

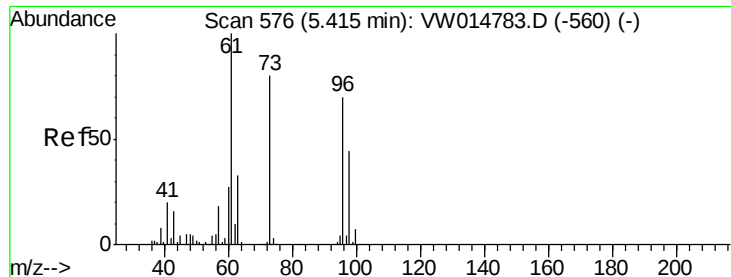
Tgt Ion: 43 Resp: 150342
Ion Ratio Lower Upper
43 100
74 21.3 18.0 27.0



#16
Methylene chloride
Concen: 22.570 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion: 84 Resp: 385175
Ion Ratio Lower Upper
84 100
49 133.7 90.9 168.7
86 64.9 43.5 80.7

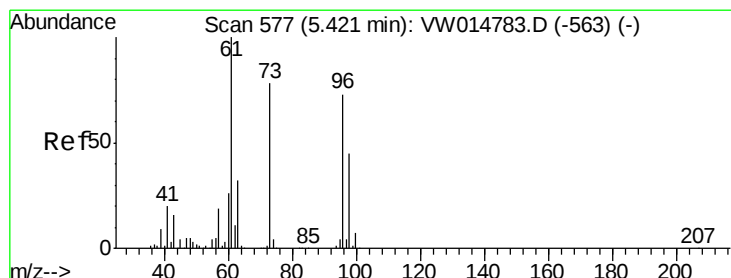
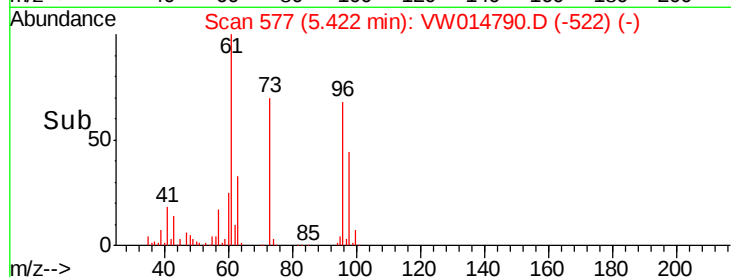
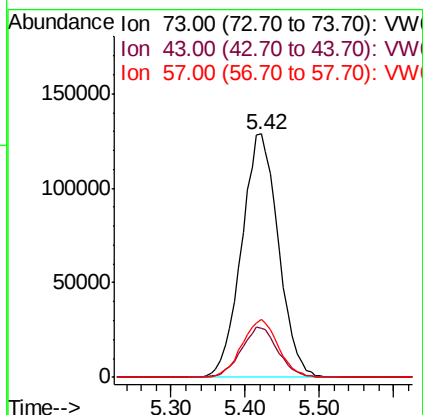
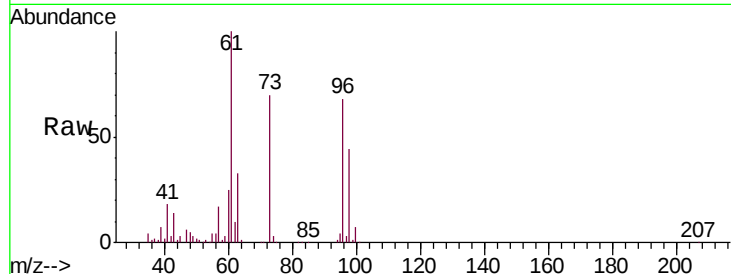




#17
Methyl tert-butyl Ether
Concen: 24.522 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

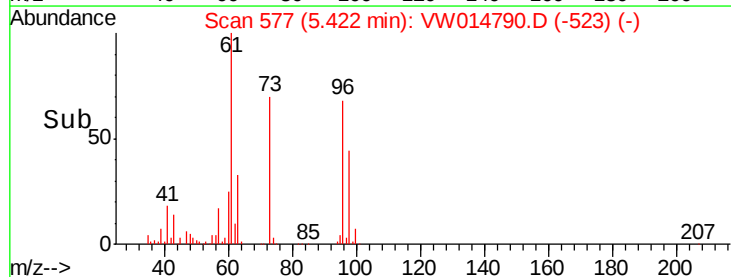
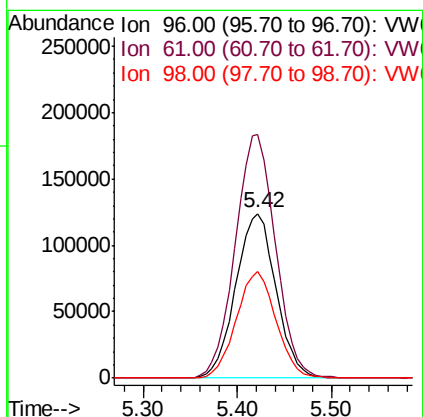
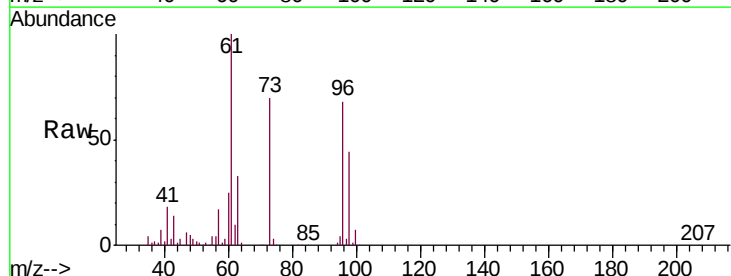
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

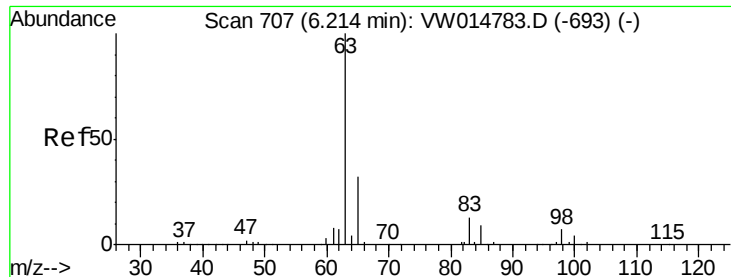
Tgt Ion: 73 Resp: 446849
Ion Ratio Lower Upper
73 100
43 20.5 16.2 24.4
57 23.4 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 25.876 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion: 96 Resp: 368545
Ion Ratio Lower Upper
96 100
61 148.1 100.2 186.0
98 65.0 43.1 80.1

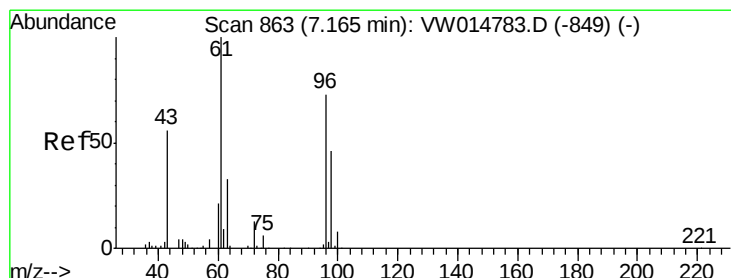
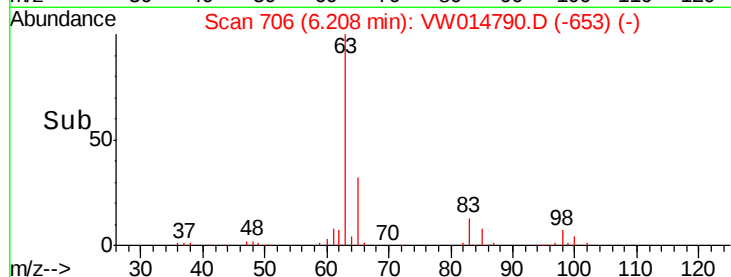
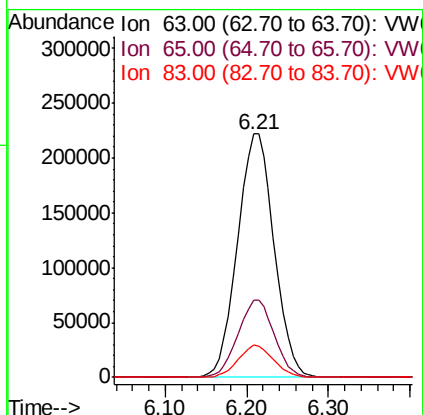
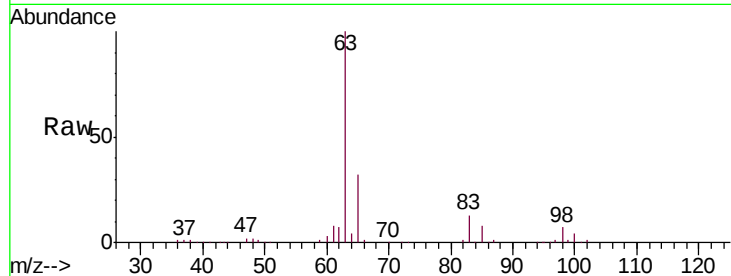




#19
 1,1-Dichloroethane
 Concen: 25.836 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

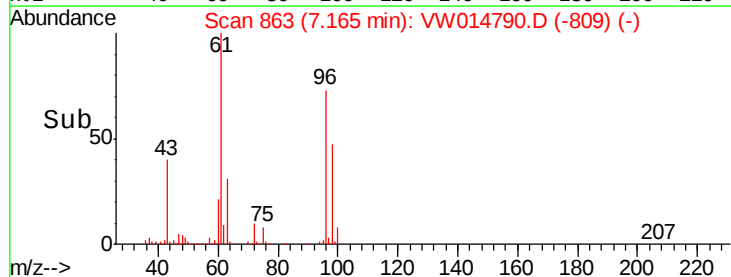
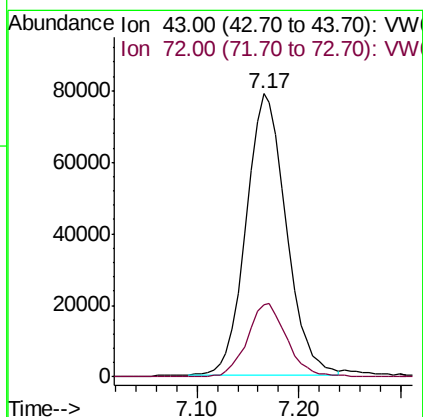
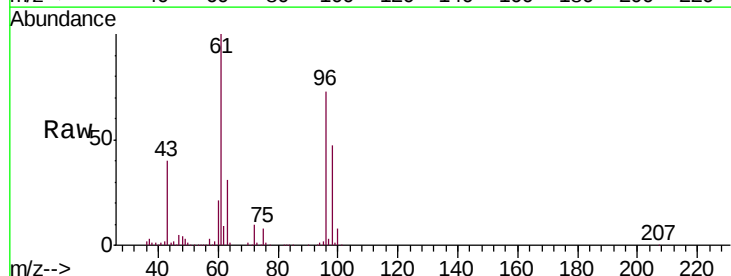
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

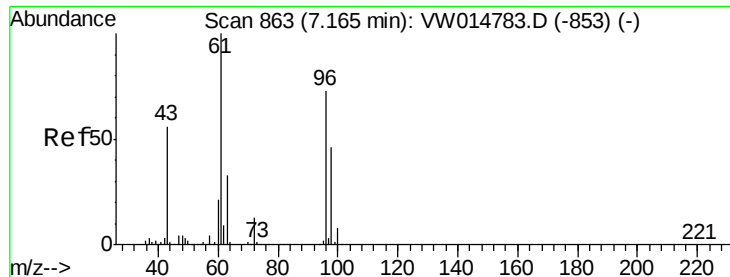
Tgt Ion: 63 Resp: 690086
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.7 40.3
 83 13.3 8.8 16.4



#21
 2-Butanone
 Concen: 39.665 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Tgt Ion: 43 Resp: 216031
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.6 37.6



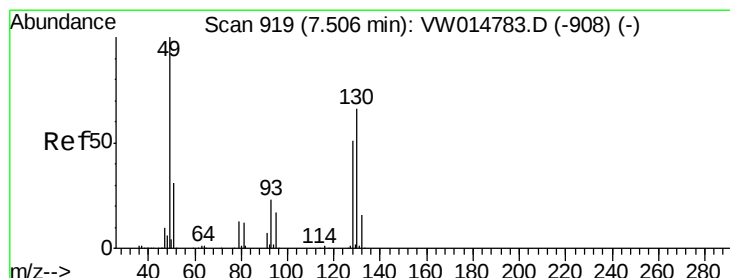
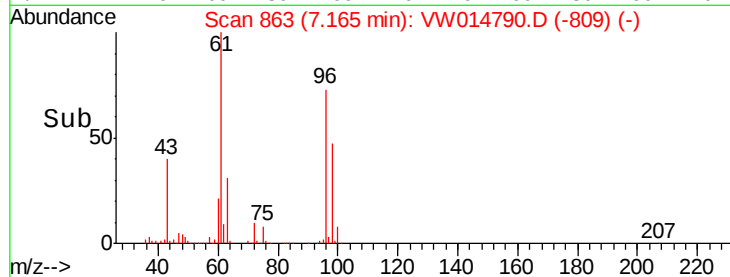
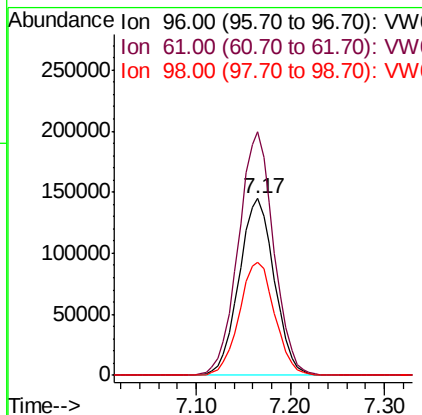
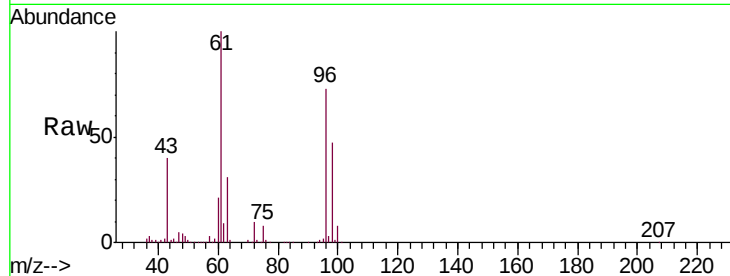


#22

cis-1,2-Dichloroethene
Concen: 25.544 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

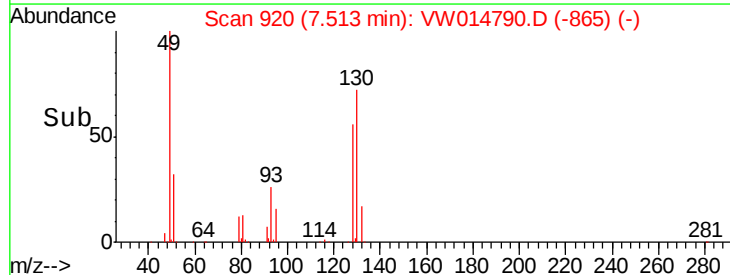
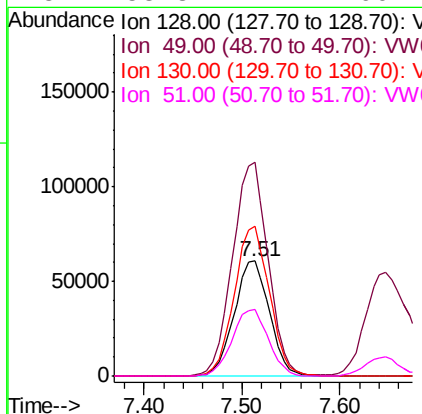
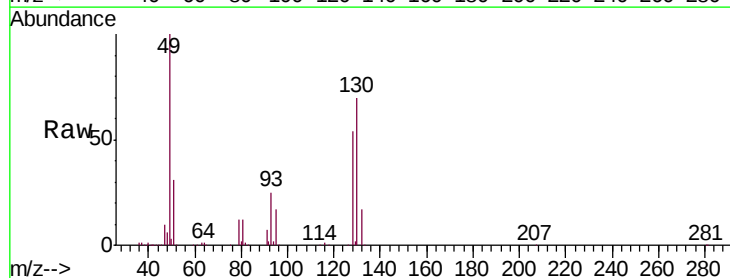
Tgt Ion: 96 Resp: 380916
Ion Ratio Lower Upper
96 100
61 137.6 94.1 174.7
98 64.3 44.9 83.3

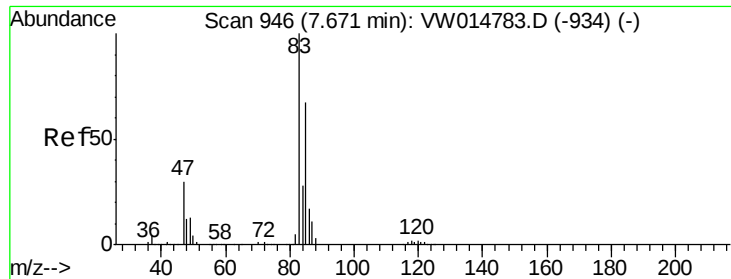


#23

Bromochloromethane
Concen: 23.372 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion: 128 Resp: 152299
Ion Ratio Lower Upper
128 100
49 185.9 127.7 237.1
130 130.2 93.4 173.6
51 58.3 44.1 66.1

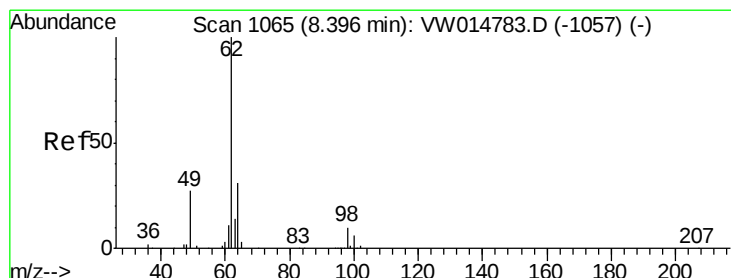
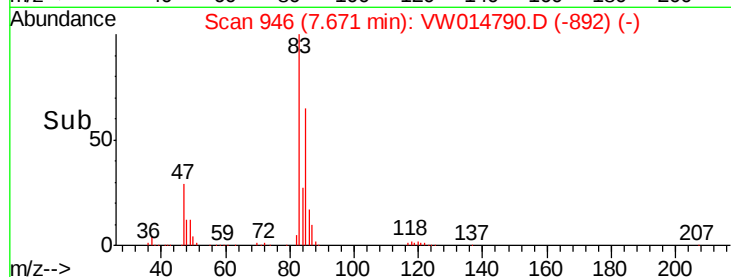
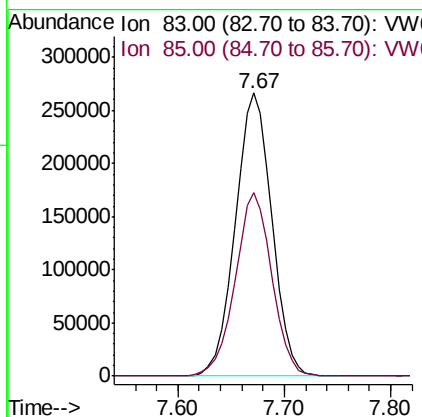
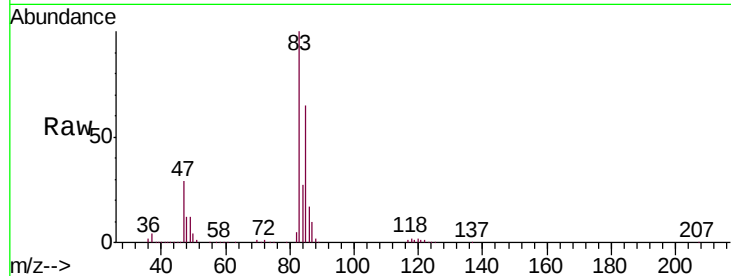




#25
Chloroform
Concen: 25.720 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

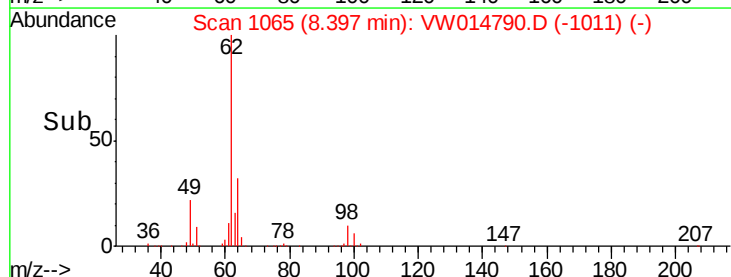
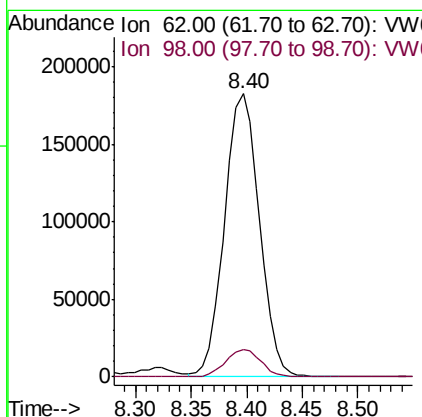
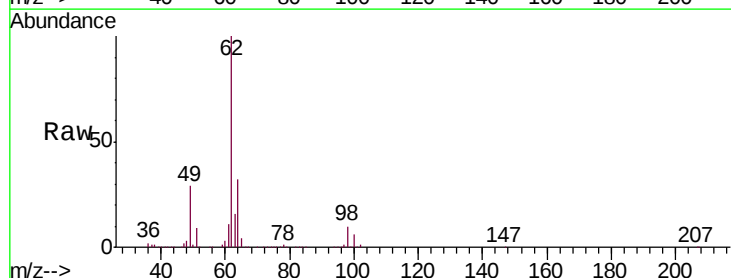
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

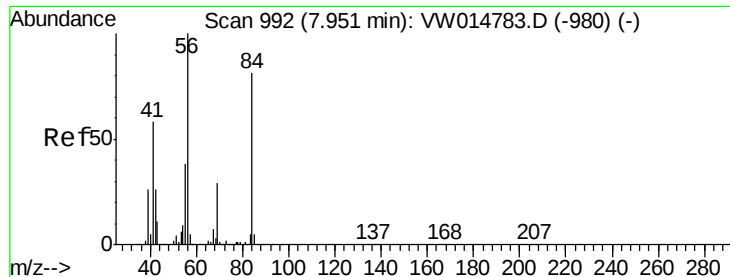
Tgt Ion: 83 Resp: 640993
Ion Ratio Lower Upper
83 100
85 65.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 24.122 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion: 62 Resp: 397195
Ion Ratio Lower Upper
62 100
98 9.8 7.5 11.3

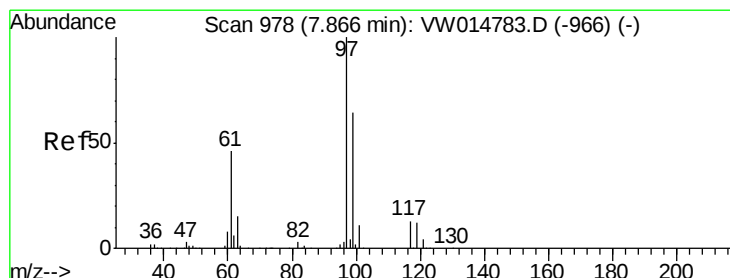
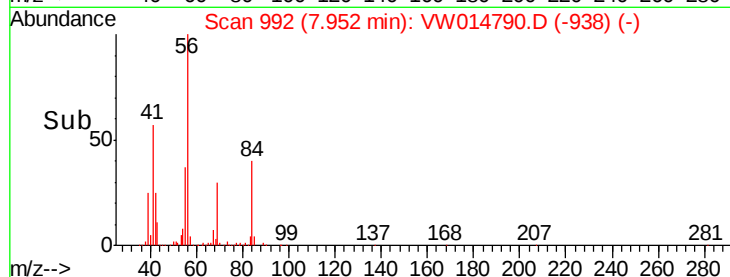
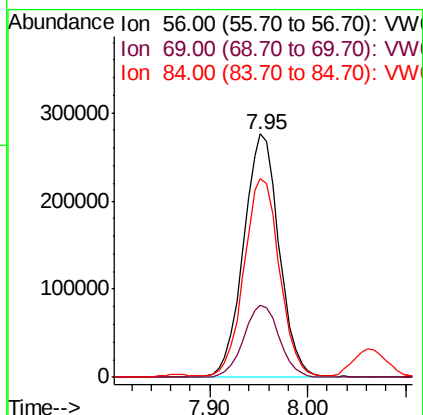
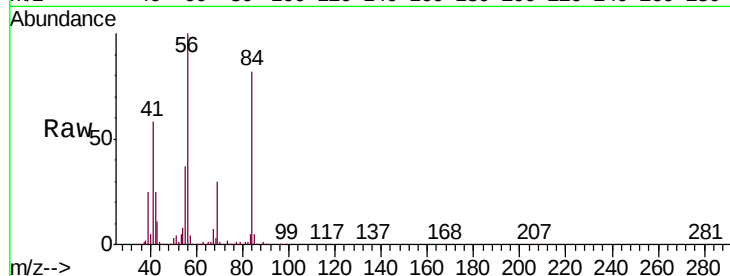




#30
Cyclohexane
Concen: 29.183 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

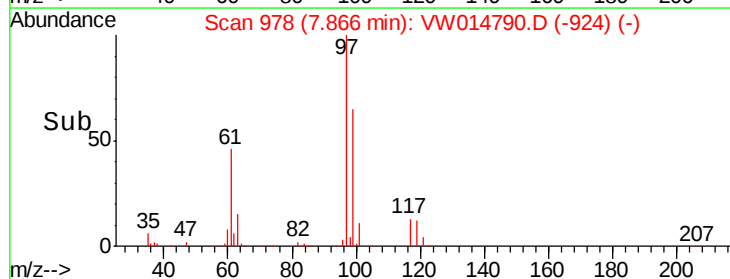
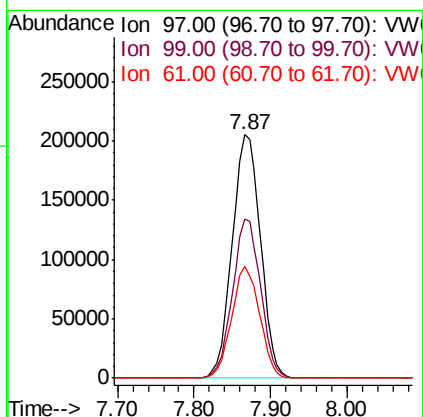
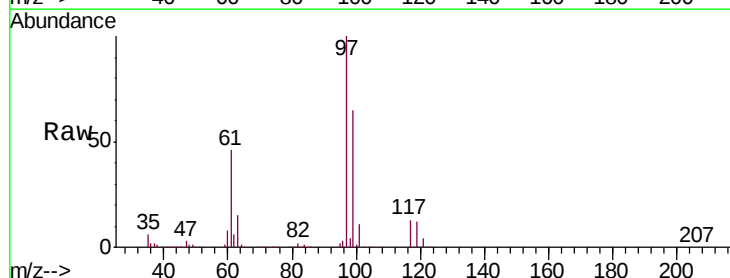
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

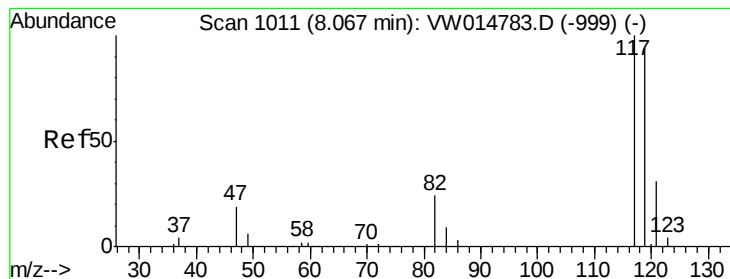
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.6
84	81.7	64.8	97.2



#31
1,1,1-Trichloroethane
Concen: 27.509 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	45.4	36.4	54.6





#32

Carbon tetrachloride

Concen: 27.496 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

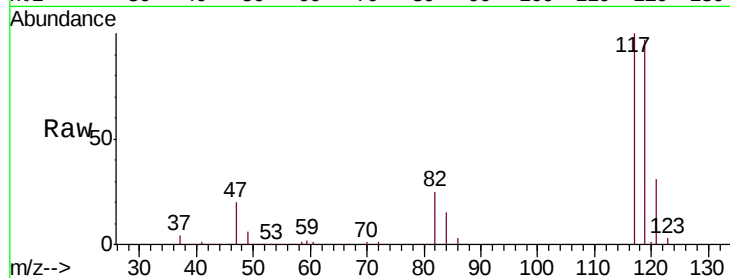
VSTD02528

Tgt Ion:117 Resp: 492751

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

150000

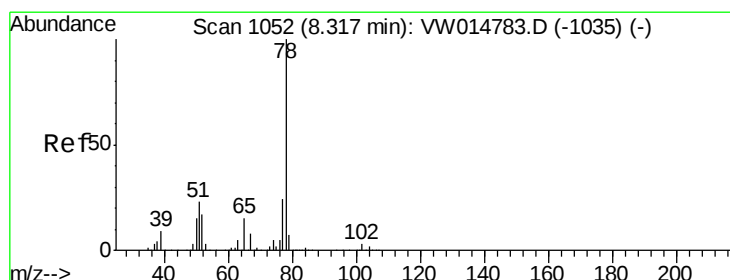
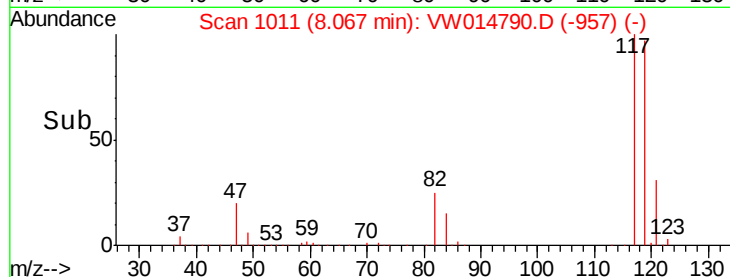
100000

50000

0

Time-->

7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 26.965 ug/L

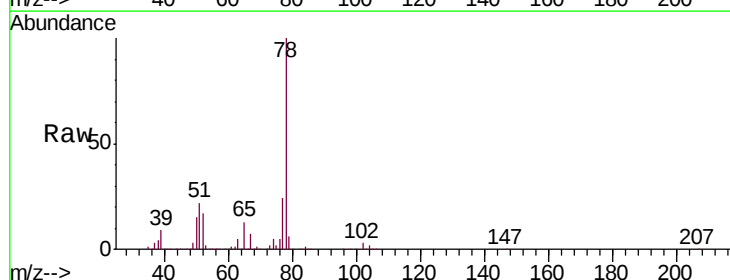
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Tgt Ion: 78 Resp: 1512377



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

800000

600000

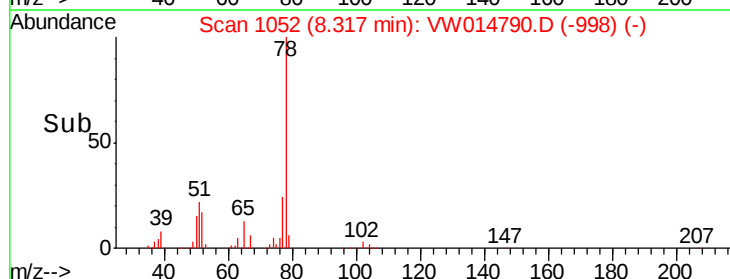
400000

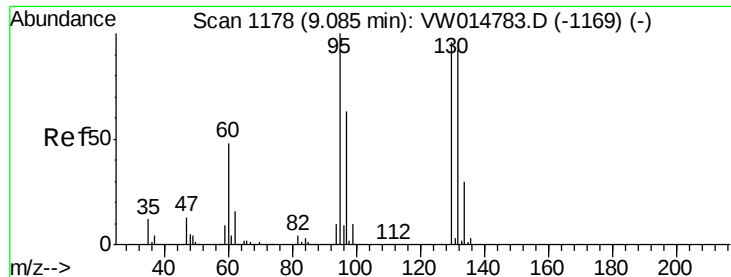
200000

0

Time-->

8.20 8.30 8.40

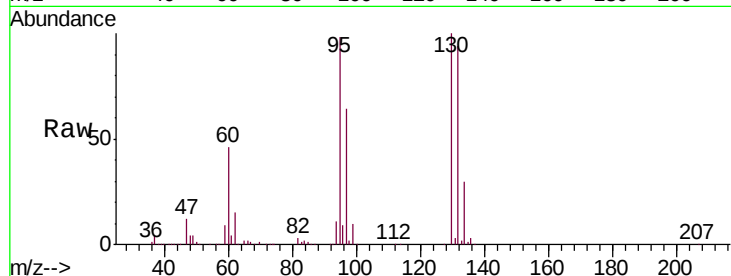




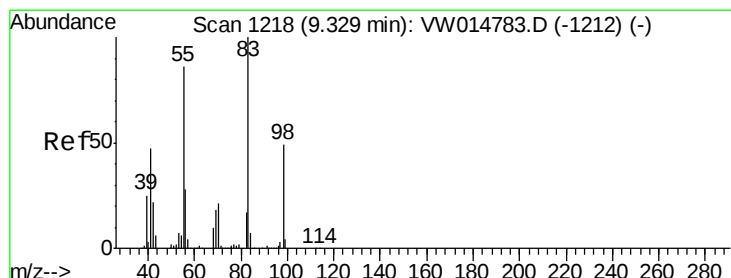
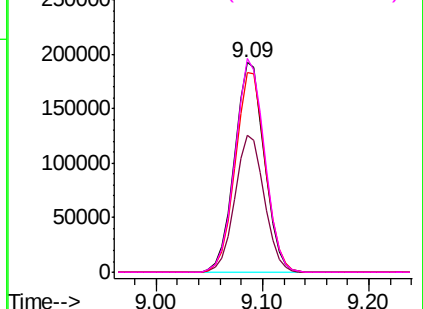
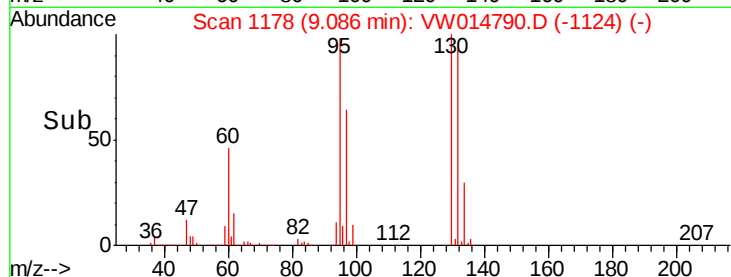
#35
 Trichloroethene
 Concen: 26.548 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tgt Ion: 95 Resp: 378278
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.3 82.3
 132 96.2 67.1 124.7
 130 100.9 69.9 129.7

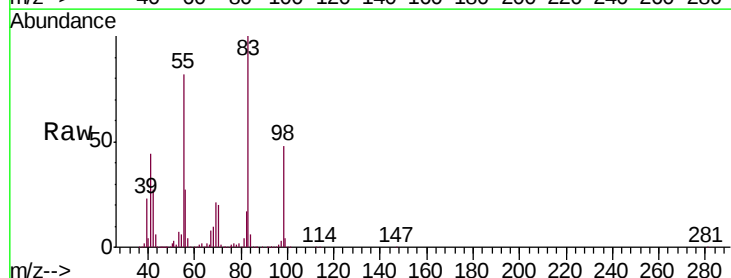


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

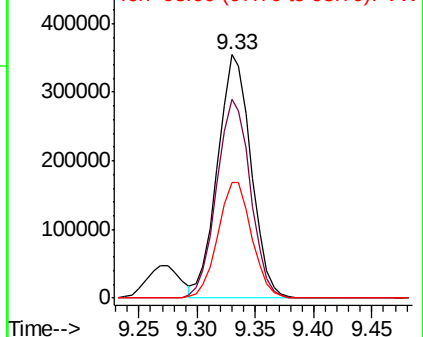
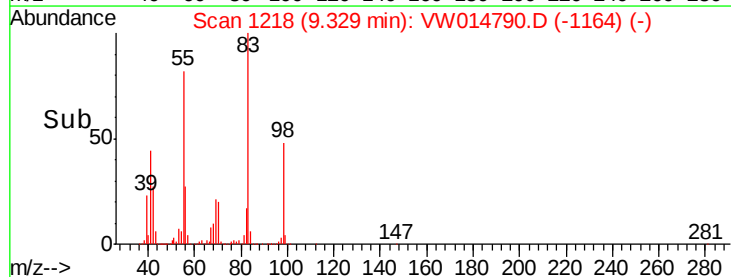


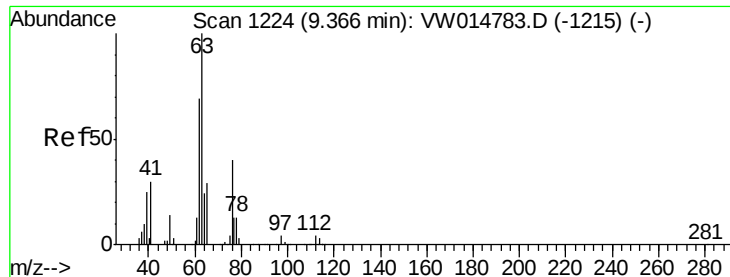
#36
 Methylcyclohexane
 Concen: 28.461 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Tgt Ion: 83 Resp: 705492
 Ion Ratio Lower Upper
 83 100
 55 82.3 65.6 98.4
 98 48.2 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

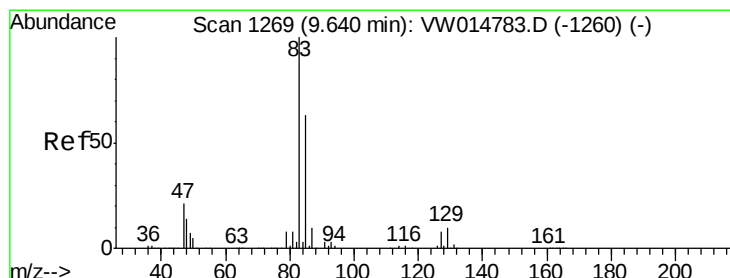
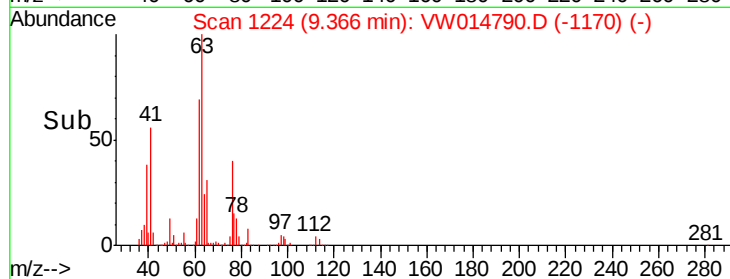
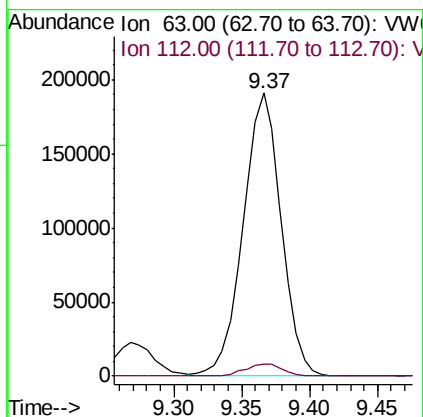
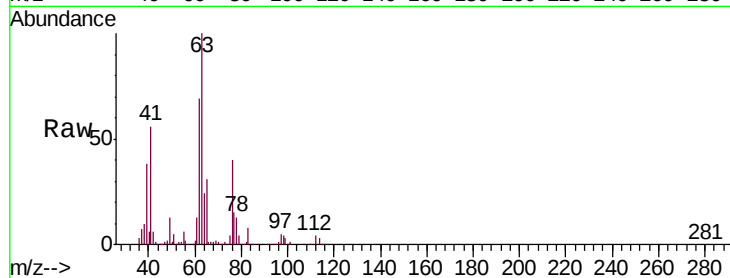




#40
 1,2-Dichloropropane
 Concen: 26.310 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

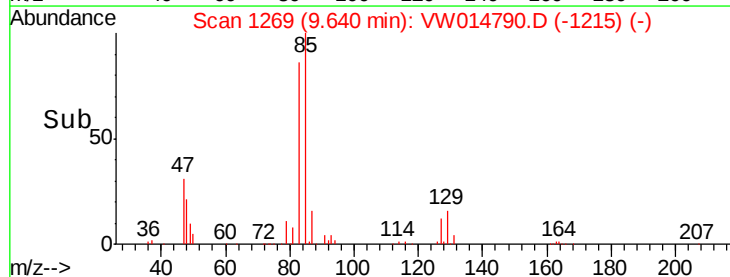
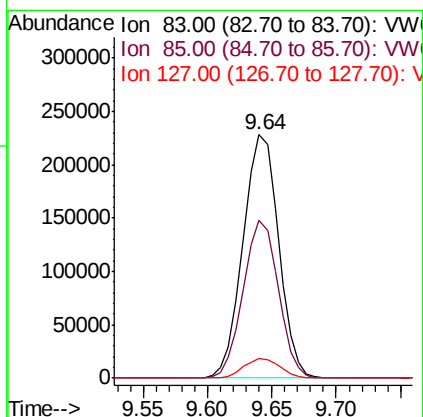
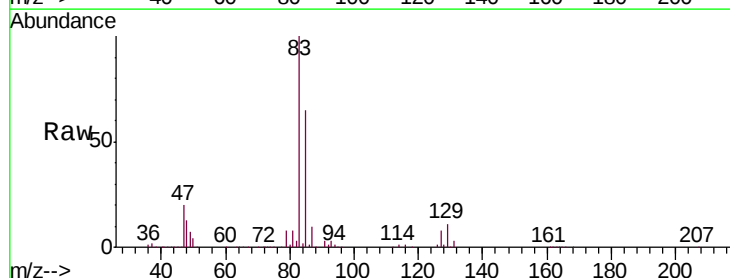
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

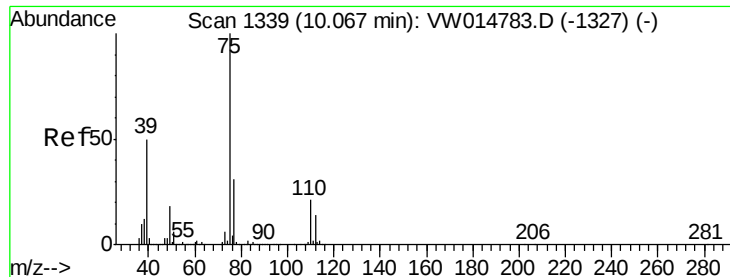
Tgt Ion: 63 Resp: 374085
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.760 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Tgt Ion: 83 Resp: 437742
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.7 84.9
 127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 26.579 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

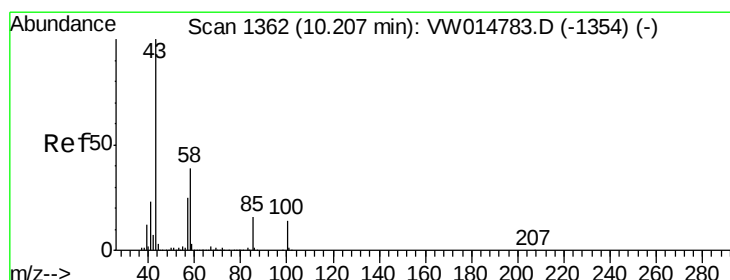
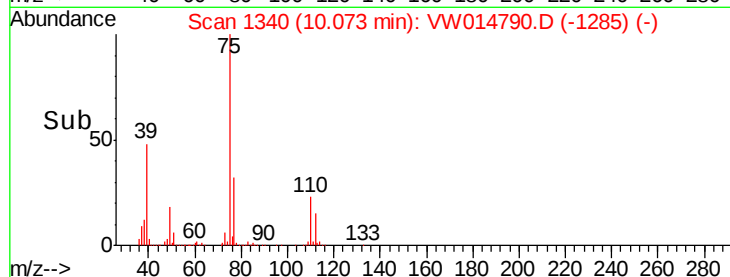
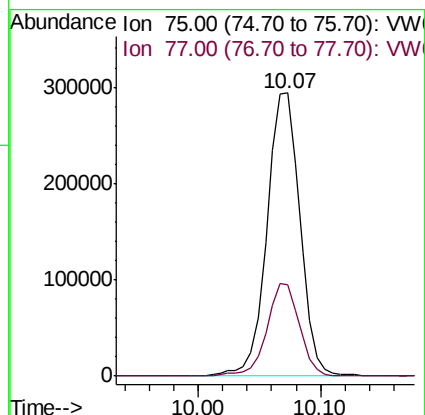
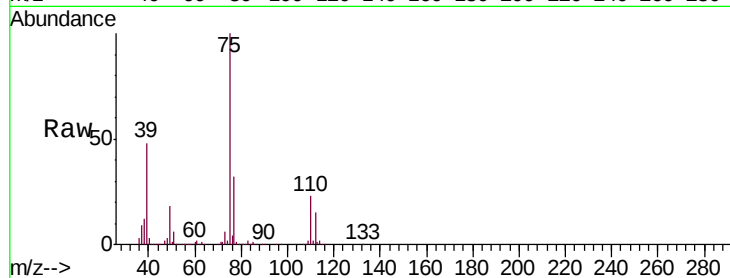
VSTD02528

Tgt Ion: 75 Resp: 551967

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 42.325 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

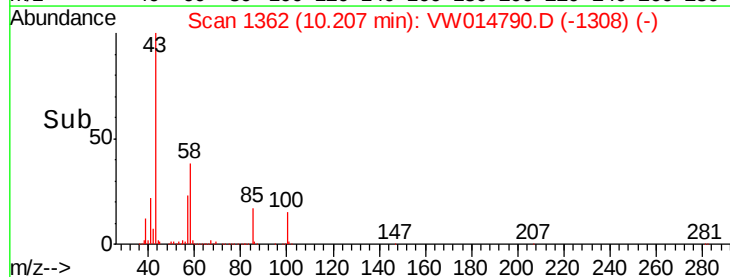
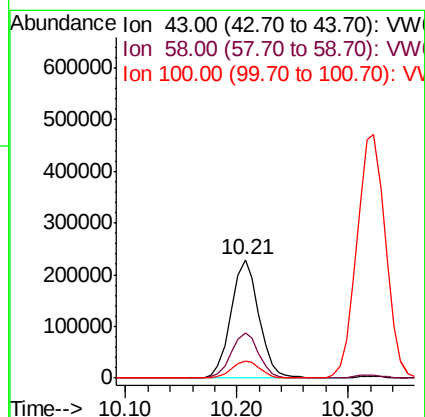
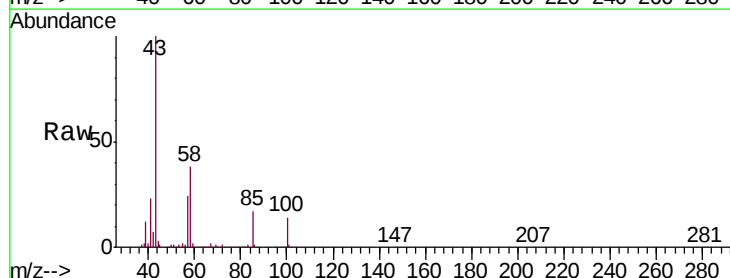
Tgt Ion: 43 Resp: 395710

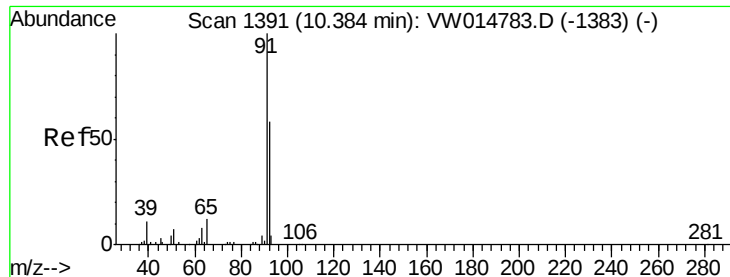
Ion Ratio Lower Upper

43 100

58 38.2 30.9 46.3

100 14.5 11.8 17.6





#44

Toluene

Concen: 27.433 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

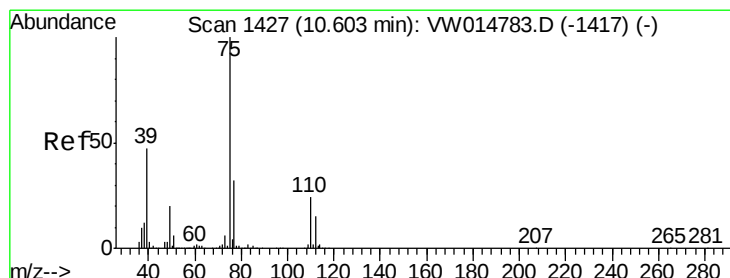
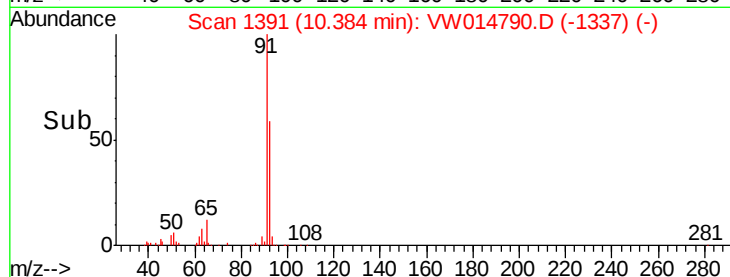
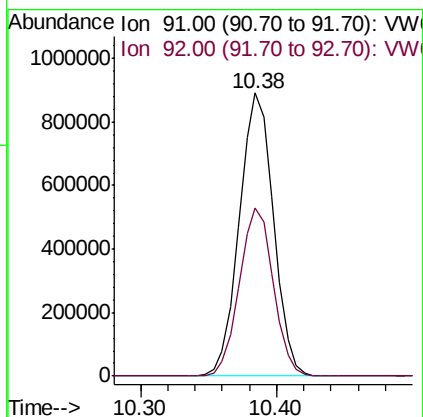
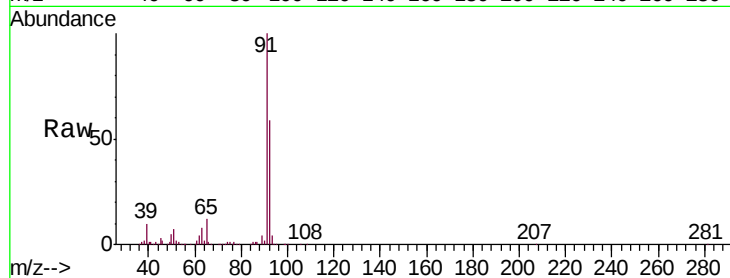
VSTD02528

Tgt Ion: 91 Resp: 1563412

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 24.964 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014790.D

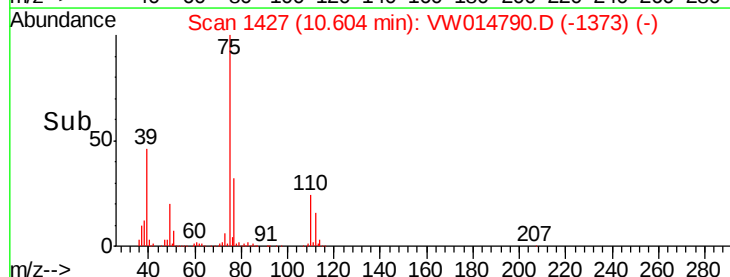
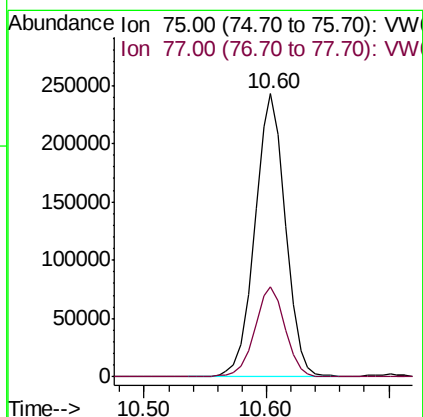
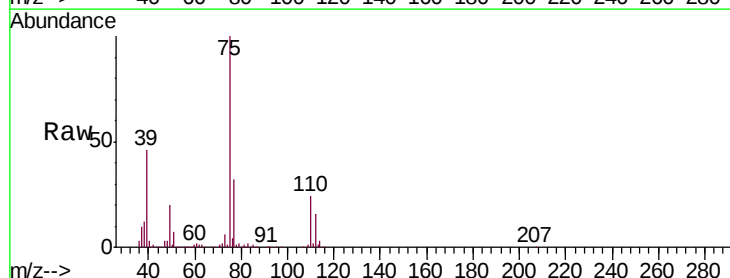
Acq: 29 Jan 2020 11:39

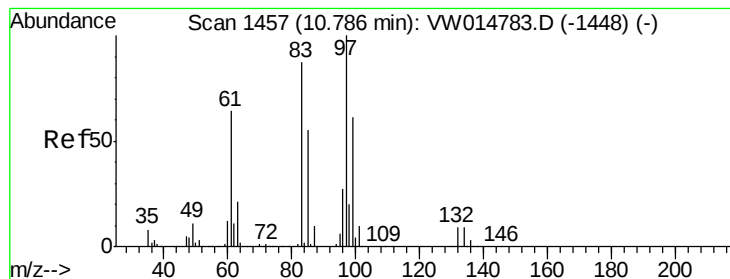
Tgt Ion: 75 Resp: 420865

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 24.224 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 97 Resp: 235115

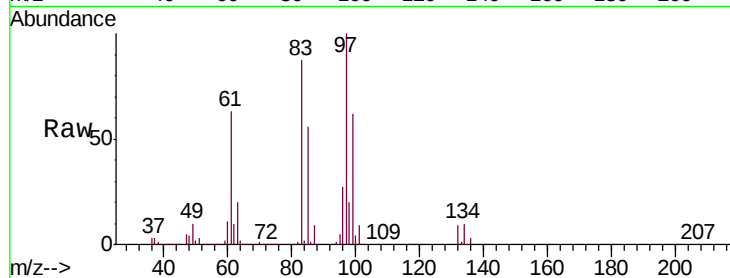
Ion Ratio Lower Upper

97 100

83 87.4 60.9 113.1

85 55.9 39.2 72.8

99 62.0 43.0 80.0



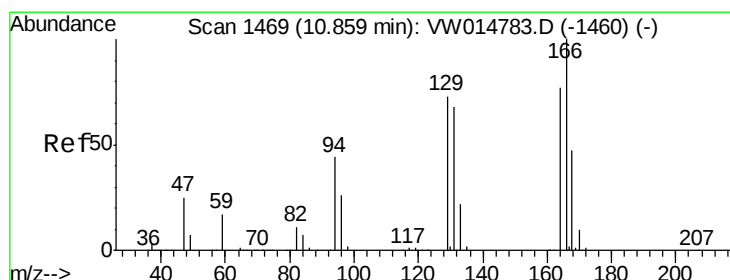
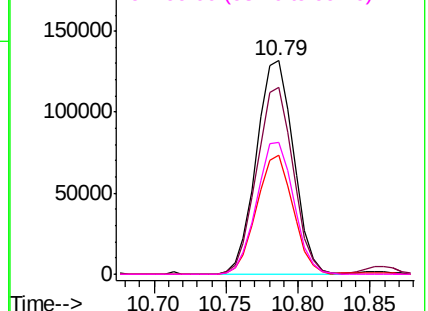
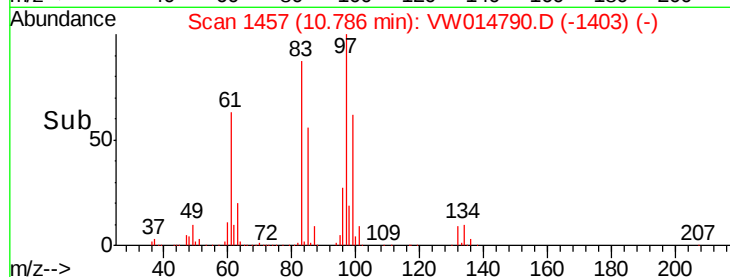
Abundance

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: 26.944 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Tgt Ion: 164 Resp: 306742

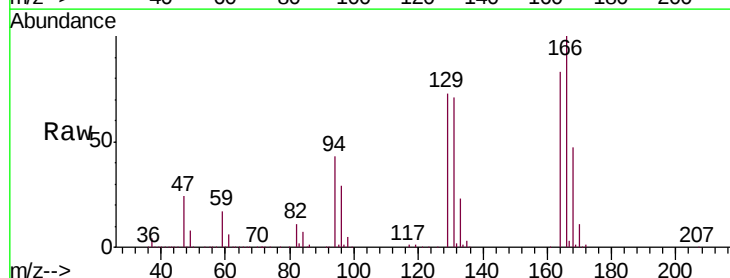
Ion Ratio Lower Upper

164 100

129 88.8 64.4 119.6

131 85.3 61.2 113.6

166 120.8 88.8 165.0



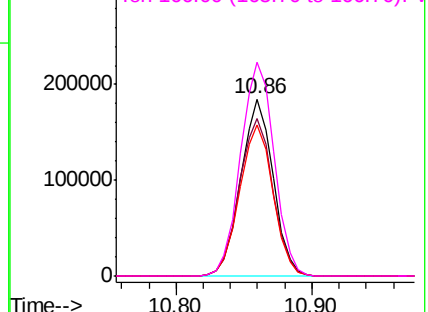
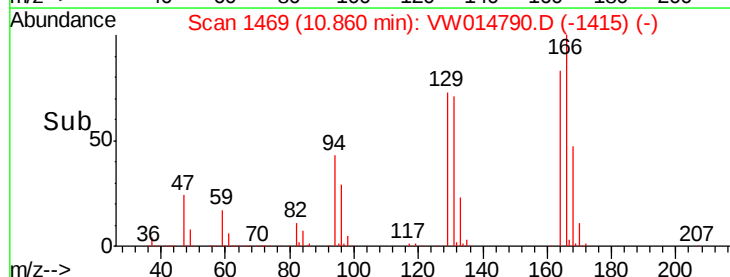
Abundance

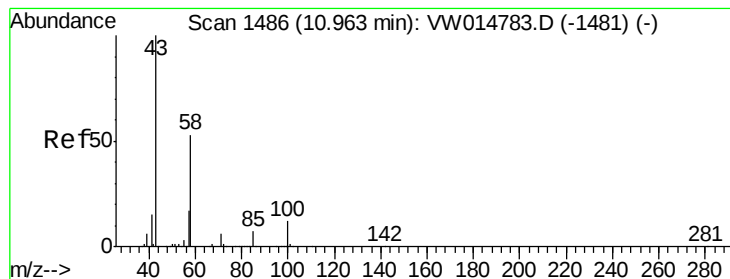
Ion 164.00 (163.70 to 164.70): V

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: 44.268 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTD02528

Tgt Ion: 43 Resp: 297561

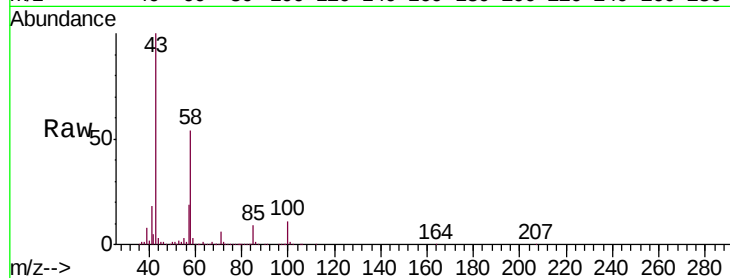
Ion Ratio Lower Upper

43 100

58 53.8 43.2 64.8

57 18.7 14.7 22.1

100 11.5 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

100000

50000

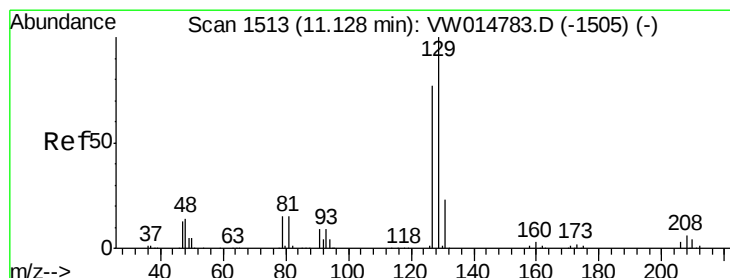
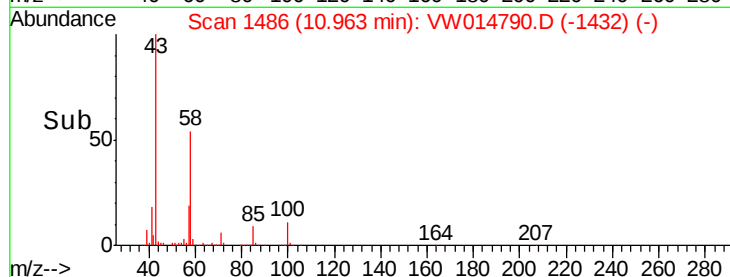
0

10.96

10.90

11.00

Time-->



#50

Dibromochloromethane

Concen: 24.746 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014790.D

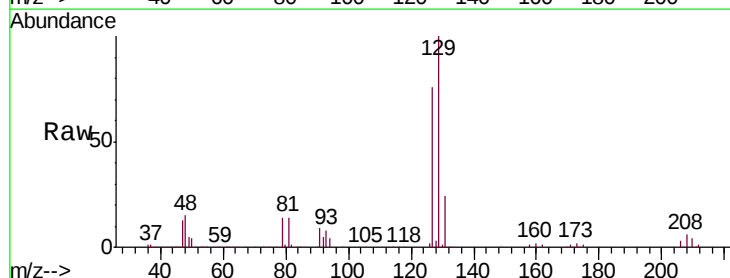
Acq: 29 Jan 2020 11:39

Tgt Ion: 129 Resp: 274041

Ion Ratio Lower Upper

129 100

127 76.1 55.7 103.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

150000

100000

50000

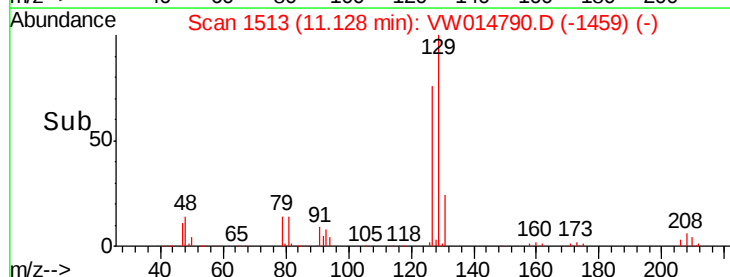
0

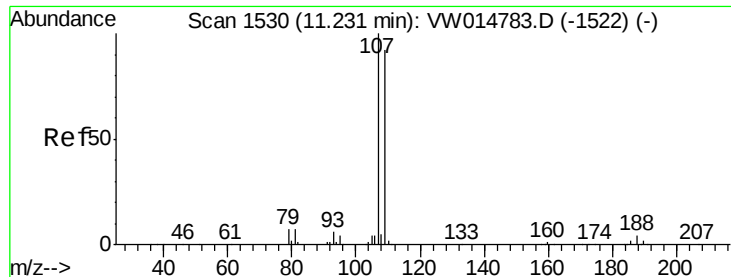
11.13

11.10

11.20

Time-->

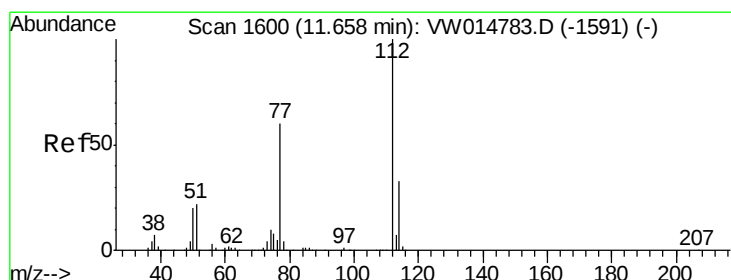
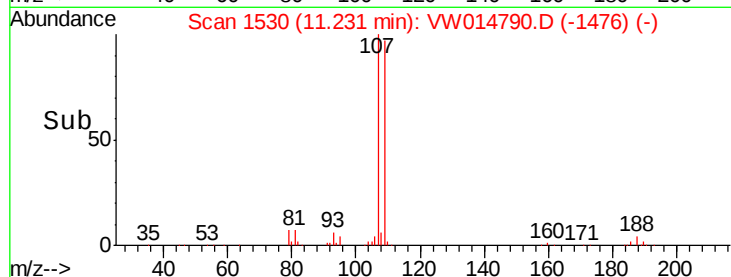
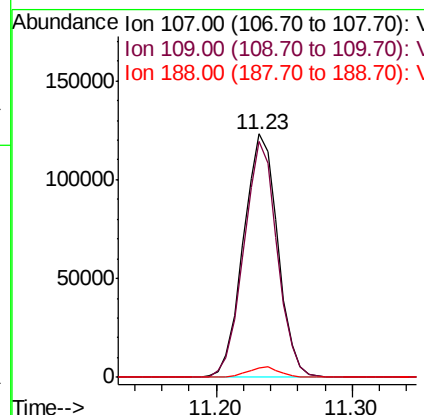
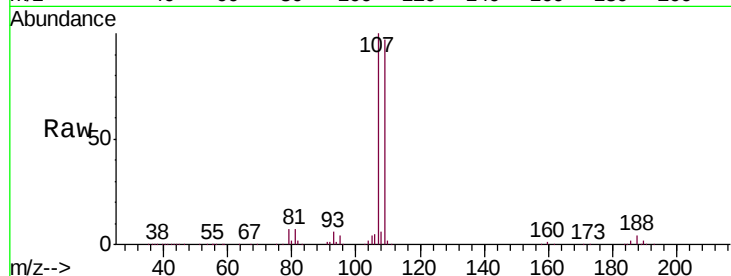




#51
1,2-Dibromoethane
Concen: 23.298 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

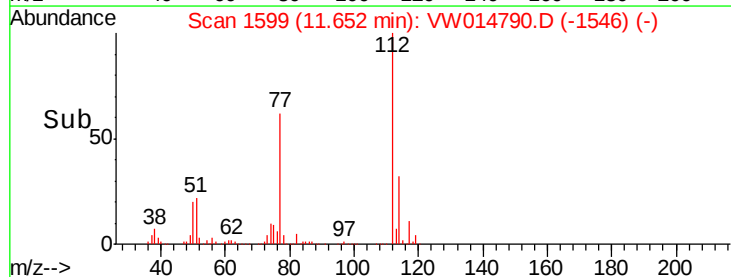
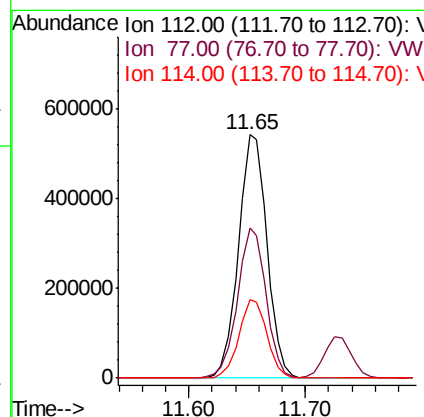
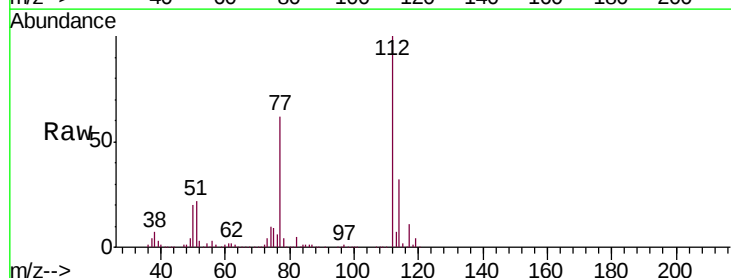
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

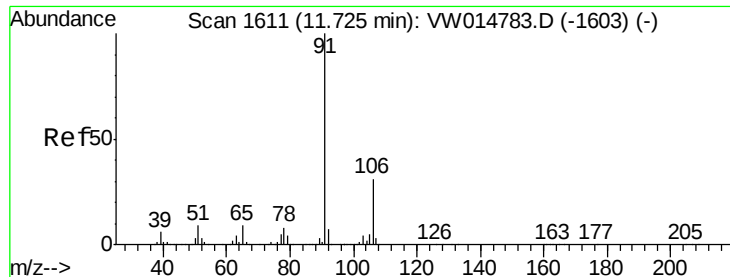
Tgt Ion:107 Resp: 217520
Ion Ratio Lower Upper
107 100
109 96.9 66.6 123.8
188 3.8 3.0 4.6



#52
Chlorobenzene
Concen: 25.984 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014790.D
Acq: 29 Jan 2020 11:39

Tgt Ion:112 Resp: 924687
Ion Ratio Lower Upper
112 100
77 61.9 49.2 73.8
114 32.0 22.5 41.7





#53

Ethylbenzene

Concen: 27.803 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampled :

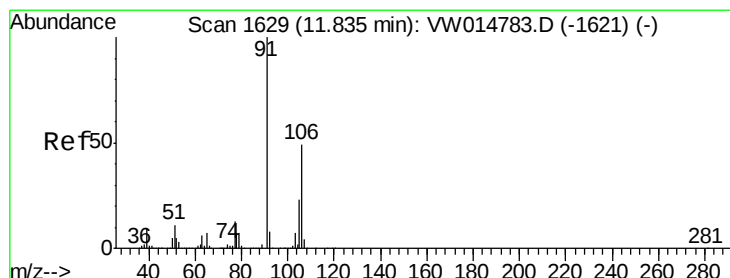
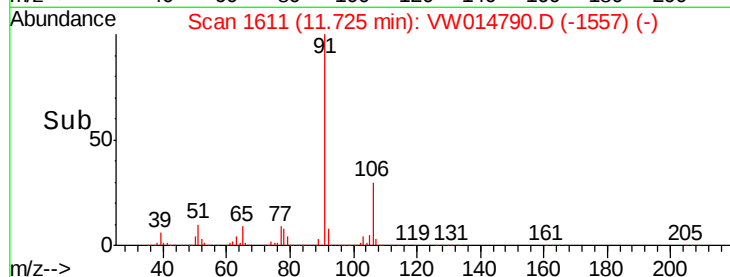
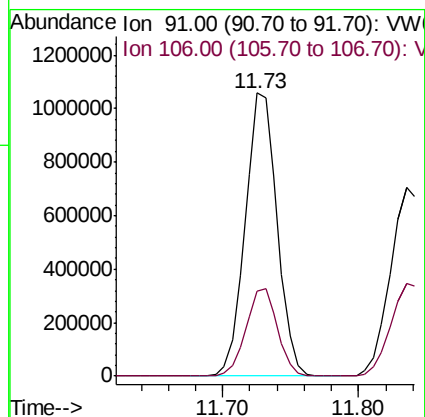
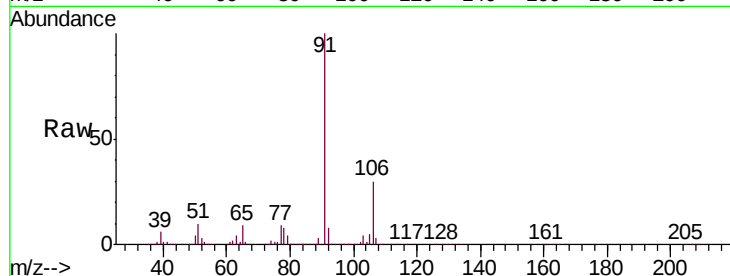
VSTD02528

Tgt Ion: 91 Resp: 1731545

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



#54

m,p-Xylene

Concen: 27.859 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014790.D

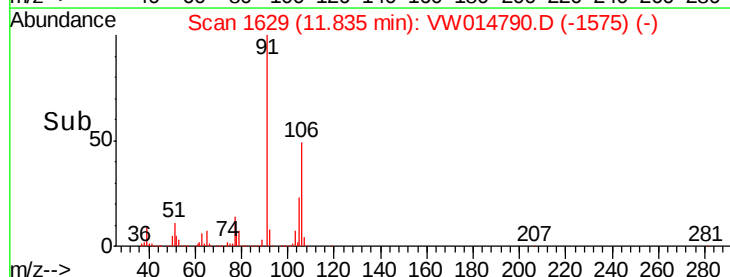
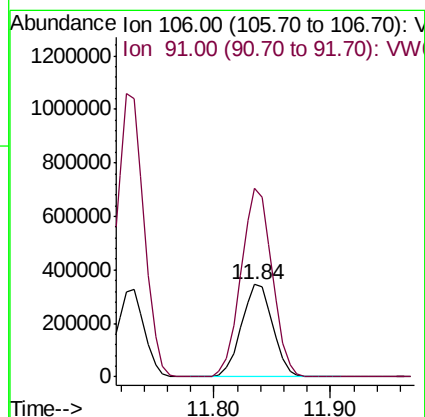
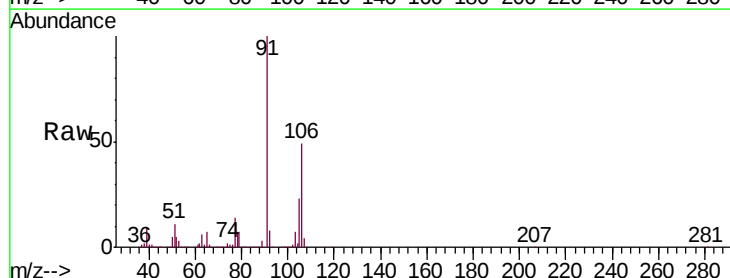
Acq: 29 Jan 2020 11:39

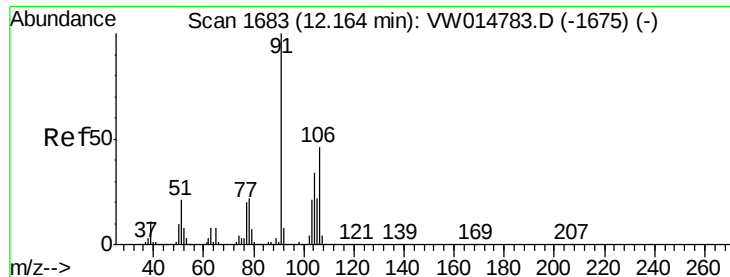
Tgt Ion: 106 Resp: 648586

Ion Ratio Lower Upper

106 100

91 204.1 146.2 271.6





#55

o-xylene

Concen: 27.610 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

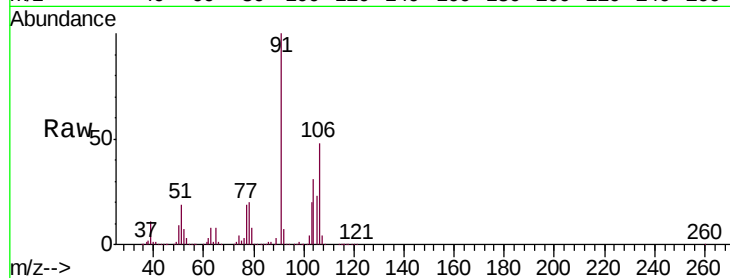
VSTD02528

Tgt Ion:106 Resp: 603136

Ion Ratio Lower Upper

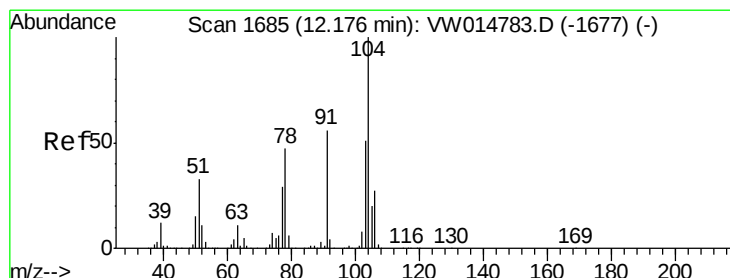
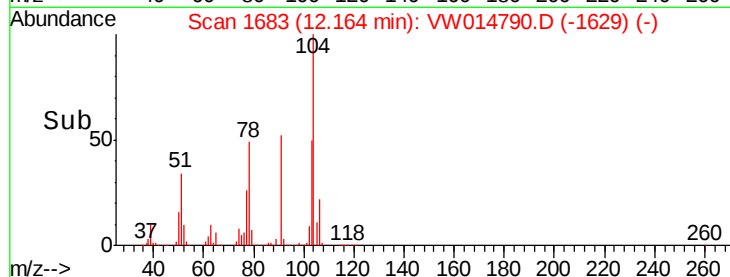
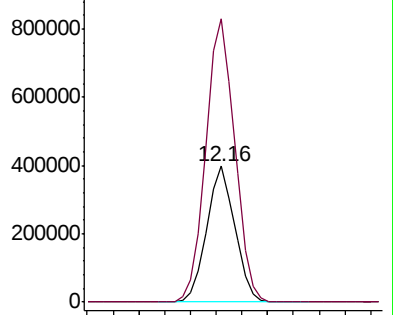
106 100

91 208.6 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.396 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014790.D

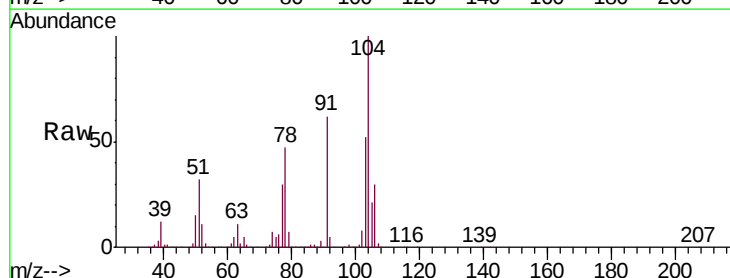
Acq: 29 Jan 2020 11:39

Tgt Ion:104 Resp: 1014975

Ion Ratio Lower Upper

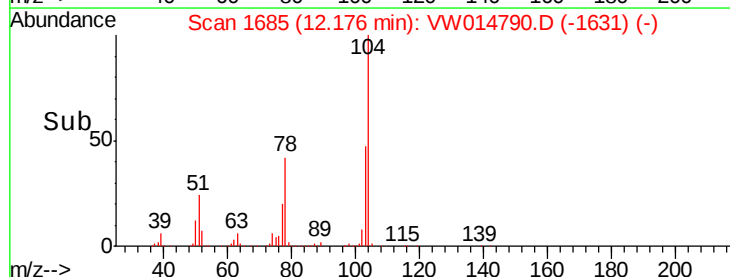
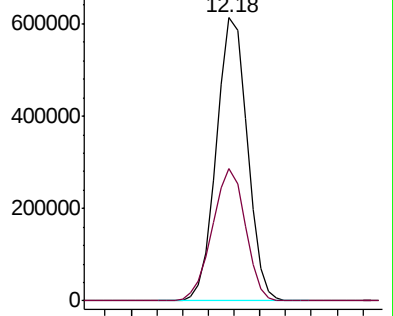
104 100

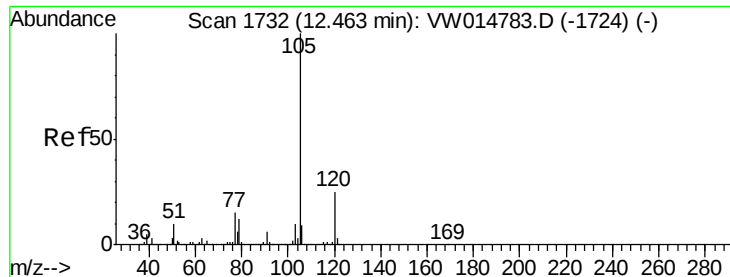
78 46.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.978 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

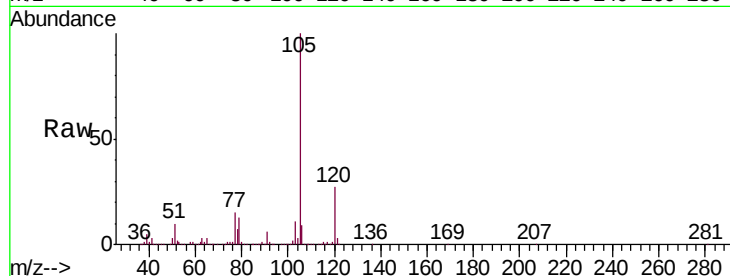
Tgt Ion:105 Resp: 1655221

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

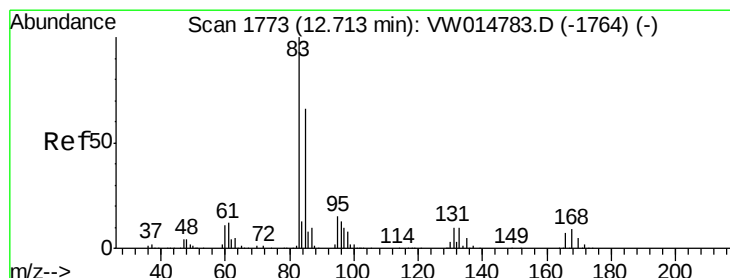
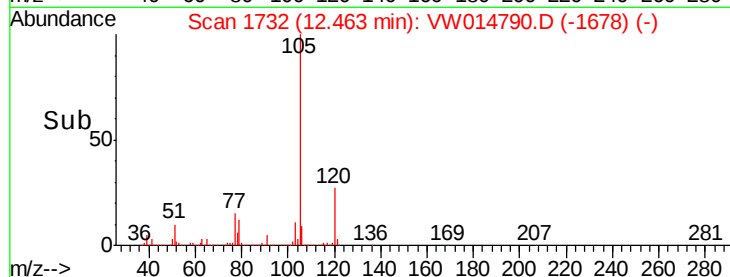
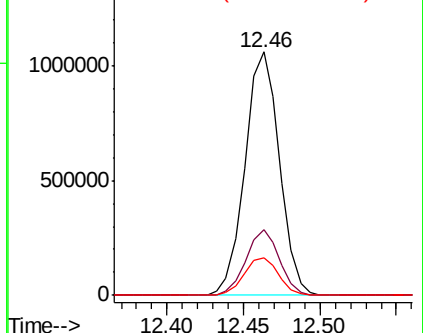
77 15.6 13.0 19.4



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: 21.481 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

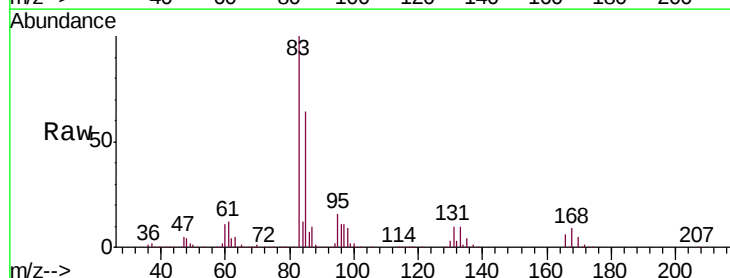
Tgt Ion: 83 Resp: 268631

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

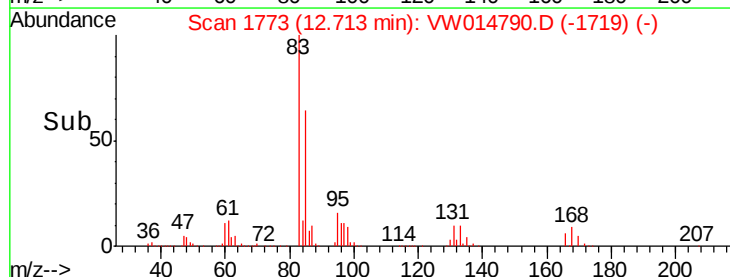
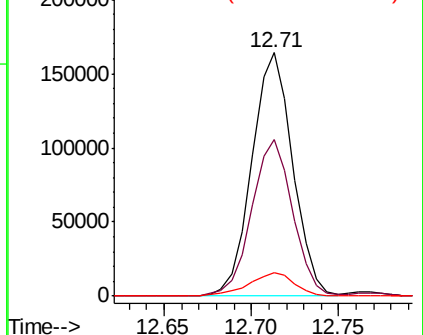
131 9.7 7.6 11.4

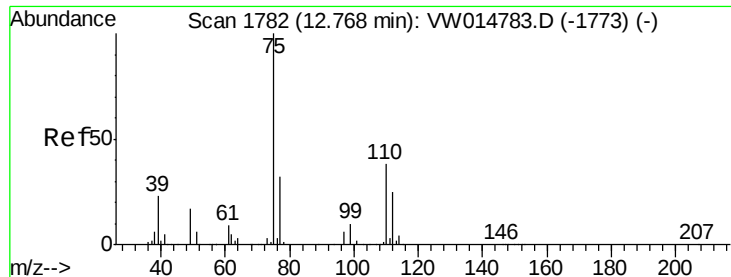


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.056 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

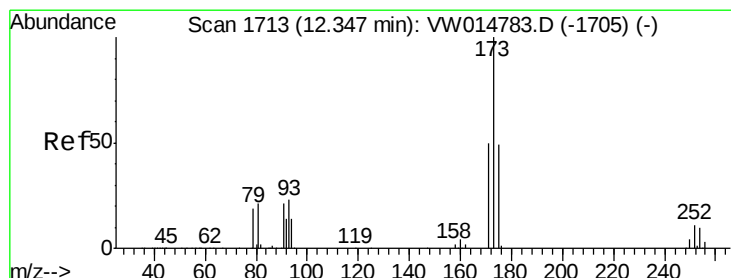
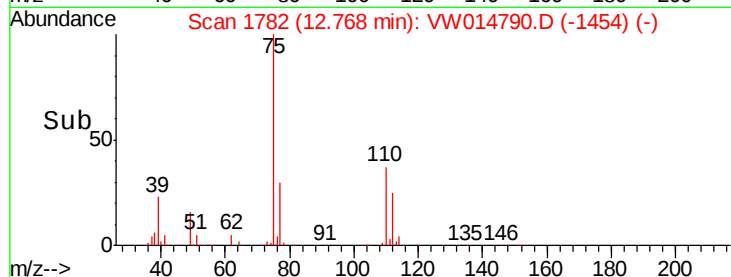
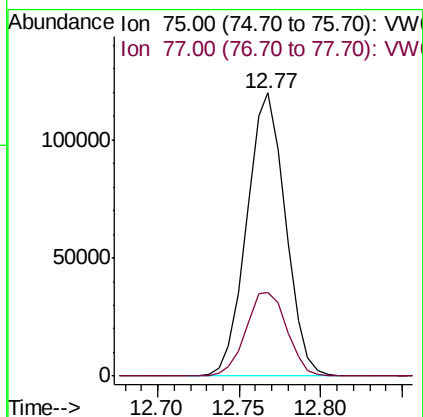
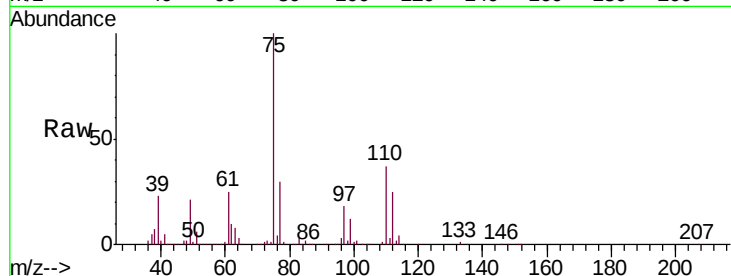
VSTD02528

Tgt Ion: 75 Resp: 197796

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



#62

Bromoform

Concen: 22.369 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

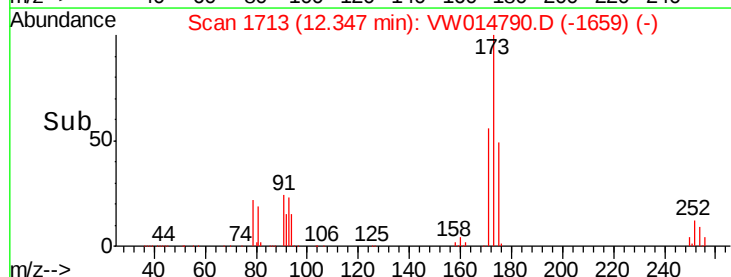
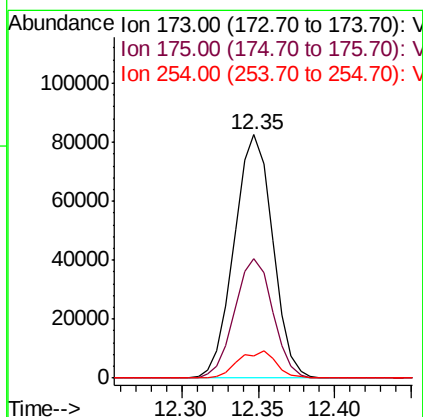
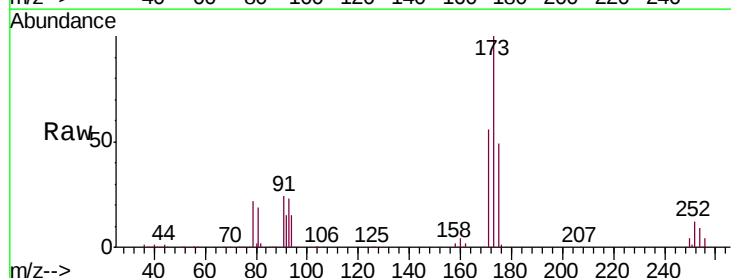
Tgt Ion: 173 Resp: 144613

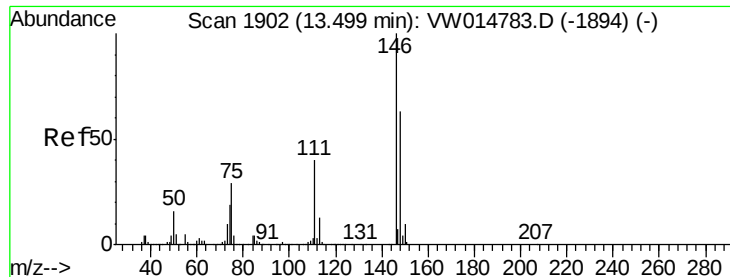
Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

254 11.1 8.9 13.3





#63

1,3-Dichlorobenzene

Concen: 26.384 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

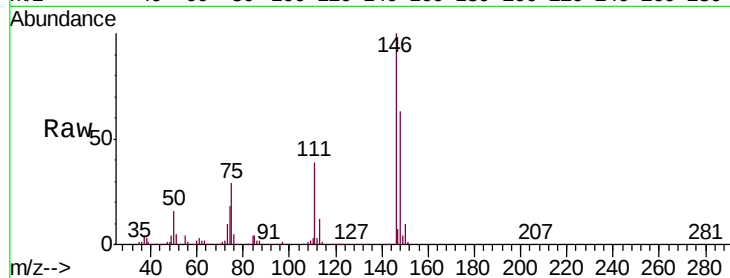
Tgt Ion:146 Resp: 701510

Ion Ratio Lower Upper

146 100

111 39.3 27.1 50.3

148 63.5 44.5 82.7

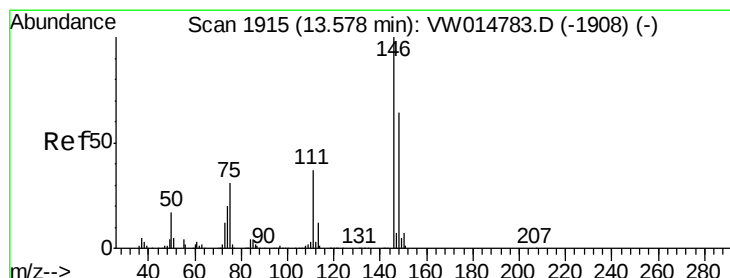
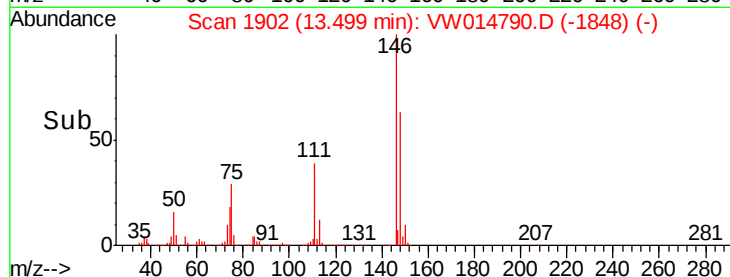
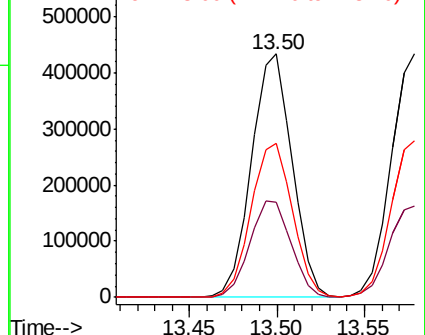


Abundance

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: 25.795 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

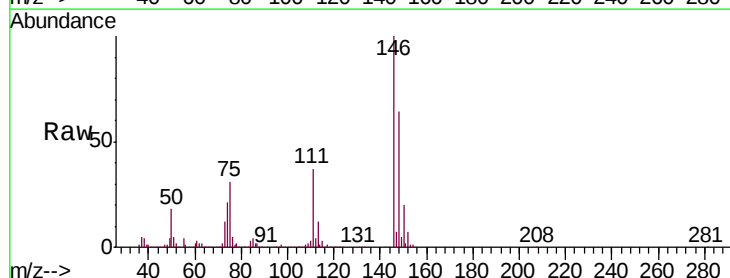
Tgt Ion:146 Resp: 687363

Ion Ratio Lower Upper

146 100

111 37.2 26.4 49.0

148 64.2 43.9 81.5

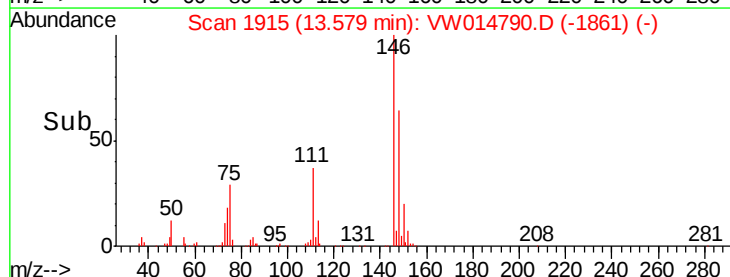
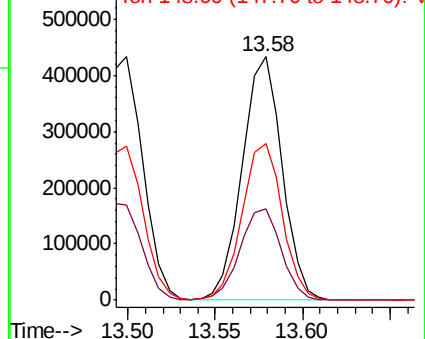


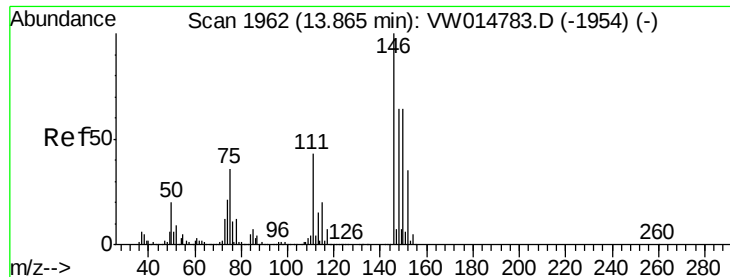
Abundance

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

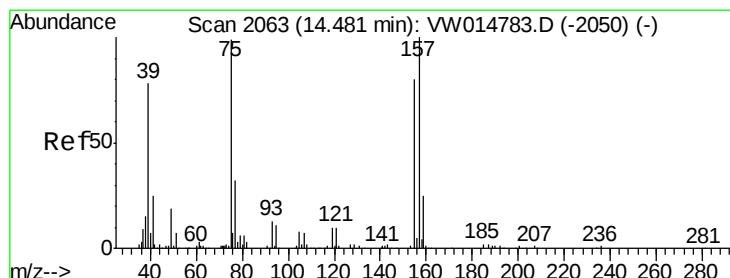
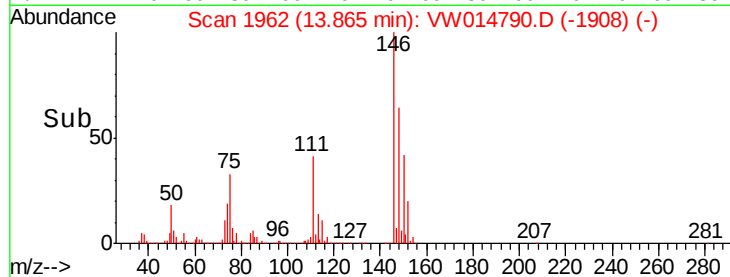
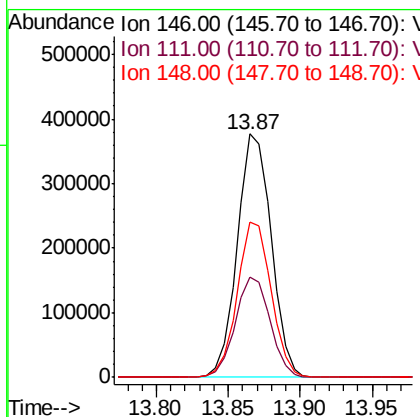
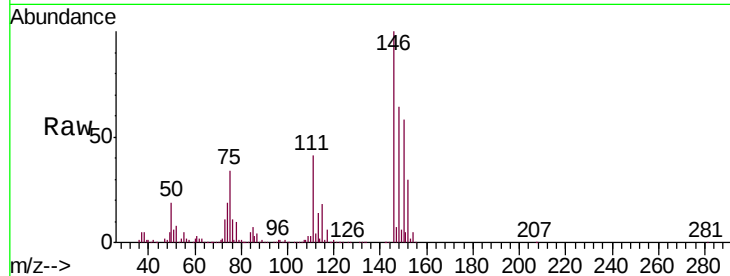




#65
 1,2-Dichlorobenzene
 Concen: 25.562 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

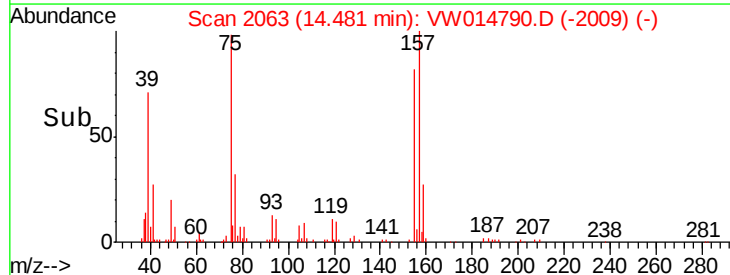
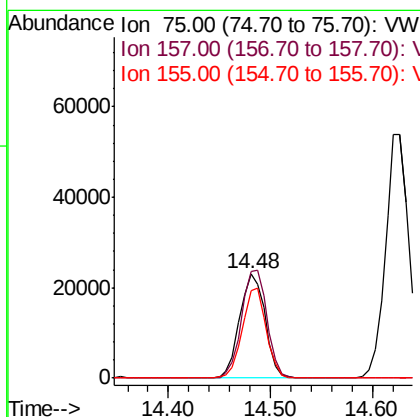
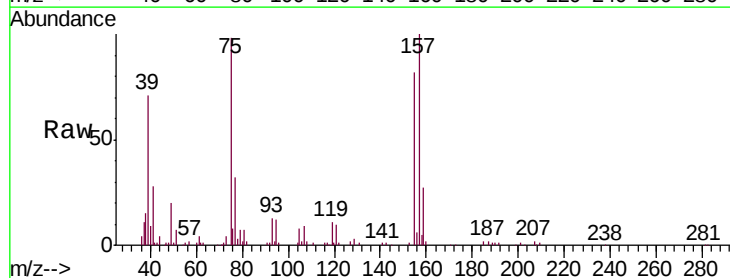
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

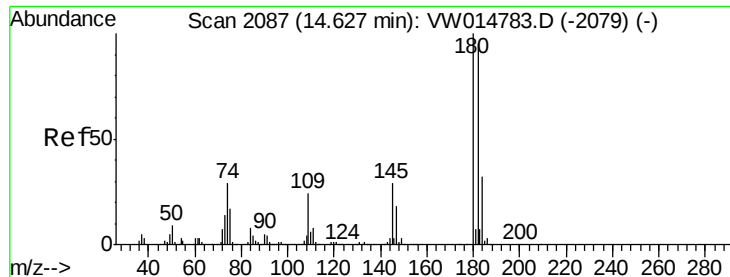
Tgt Ion: 146 Resp: 618183
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.4 50.2
 148 63.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.062 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Tgt Ion: 75 Resp: 39793
 Ion Ratio Lower Upper
 75 100
 157 102.0 84.9 127.3
 155 84.0 67.1 100.7

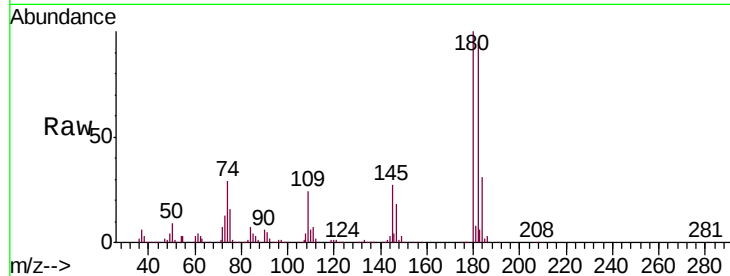




#67
 1,3,5-Trichlorobenzene
 Concen: 26.800 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tgt Ion:	180	Resp:	527782
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.4
184	29.8	24.2	36.4
145	28.1	22.8	34.2



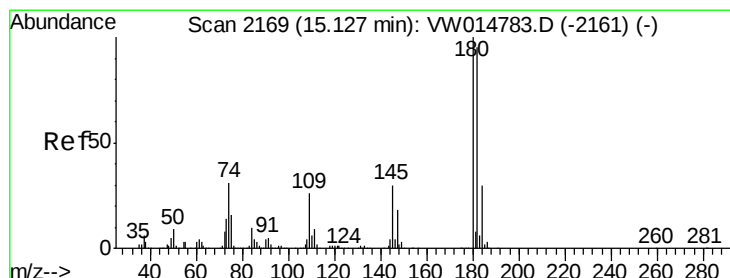
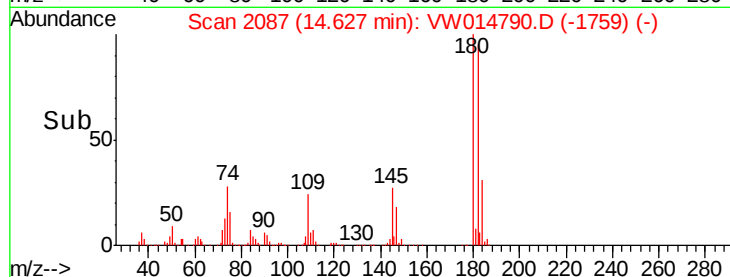
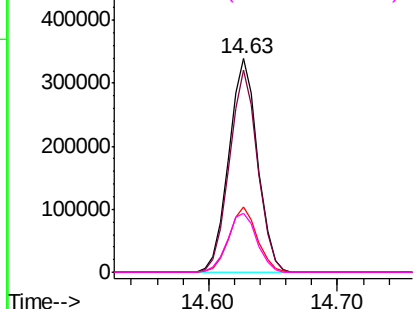
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

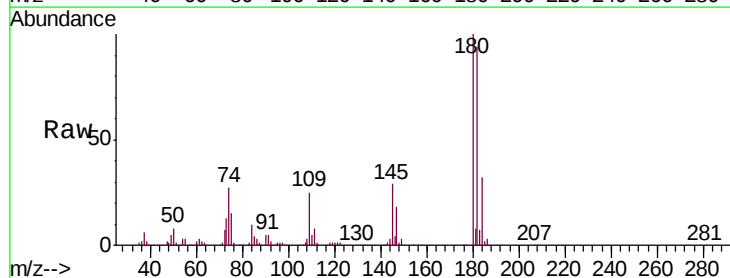
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.586 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.01 min
 Lab File: VW014790.D
 Acq: 29 Jan 2020 11:39

Tgt Ion:	180	Resp:	388561
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
145	29.9	23.3	34.9

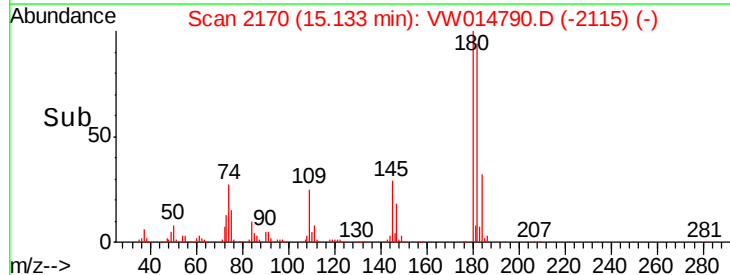
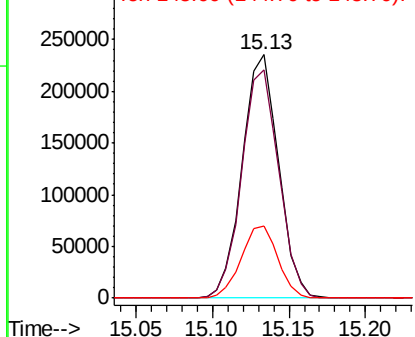


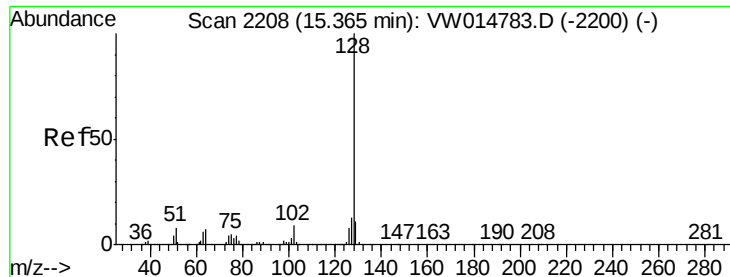
Abundance

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: 24.590 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

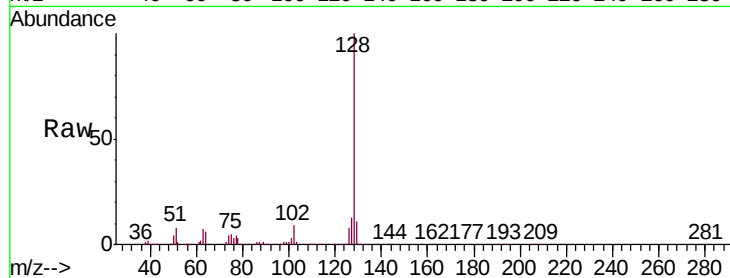
Tgt Ion:128 Resp: 649987

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

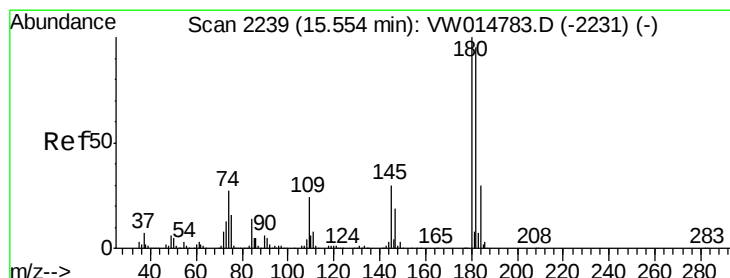
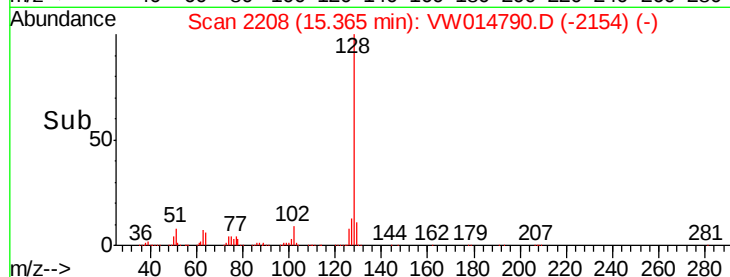
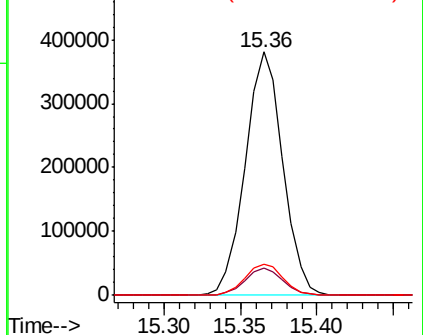
127 13.2 10.5 15.7



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: 25.472 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014790.D

Acq: 29 Jan 2020 11:39

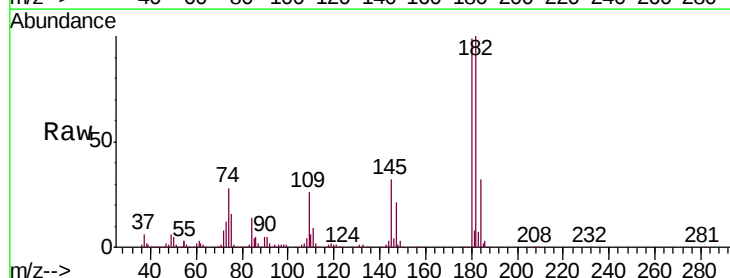
Tgt Ion:180 Resp: 341318

Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.6

145 31.4 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

