

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072920\
 Data File : VW015996.D
 Acq On : 29 Jul 2020 18:13
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Jul 30 03:32:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 30 03:30:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	413458	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	382192	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	100654	17.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.00%
7) Chloroethane-d5	2.90	69	98542	20.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.20%
10) 1,1-Dichloroethene-d2	4.02	63	243044	20.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.44%
20) 2-Butanone-d5	7.09	46	94031	61.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.72%
24) Chloroform-d	7.65	84	270386	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.31	65	148120	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.96%
29) Benzene-d6	8.27	84	525804	22.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.40%
33) 1,2-Dichloropropane-d6	9.28	67	167373	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
37) Toluene-d8	10.33	98	471486	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.48%
38) trans-1,3-Dichloropropene-	10.58	79	66856	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.93	63	72664	62.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148841	27.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	166442	22.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	84435	24.134	ug/L	96
3) Chloromethane	2.21	50	100093	23.655	ug/L	100
5) Vinyl chloride	2.37	62	151590	23.228	ug/L	99
6) Bromomethane	2.79	94	92062	23.645	ug/L	98
8) Chloroethane	2.93	64	93798	24.534	ug/L	99
9) Trichlorofluoromethane	3.26	101	115994	26.442	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	137581	25.657	ug/L	98
12) 1,1-Dichloroethene	4.04	96	131117	24.670	ug/L	96
13) Acetone	4.13	43	64578	50.177	ug/L	95
14) Carbon disulfide	4.39	76	387984	23.114	ug/L	98
15) Methyl Acetate	4.68	43	72243	29.771	ug/L	99
16) Methylene chloride	4.92	84	159834	23.592	ug/L	94
17) Methyl tert-butyl Ether	5.44	73	211637	28.159	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	141090	25.138	ug/L	96
19) 1,1-Dichloroethane	6.22	63	267460	25.860	ug/L	99
21) 2-Butanone	7.18	43	95987	60.313	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	155448	26.473	ug/L	95

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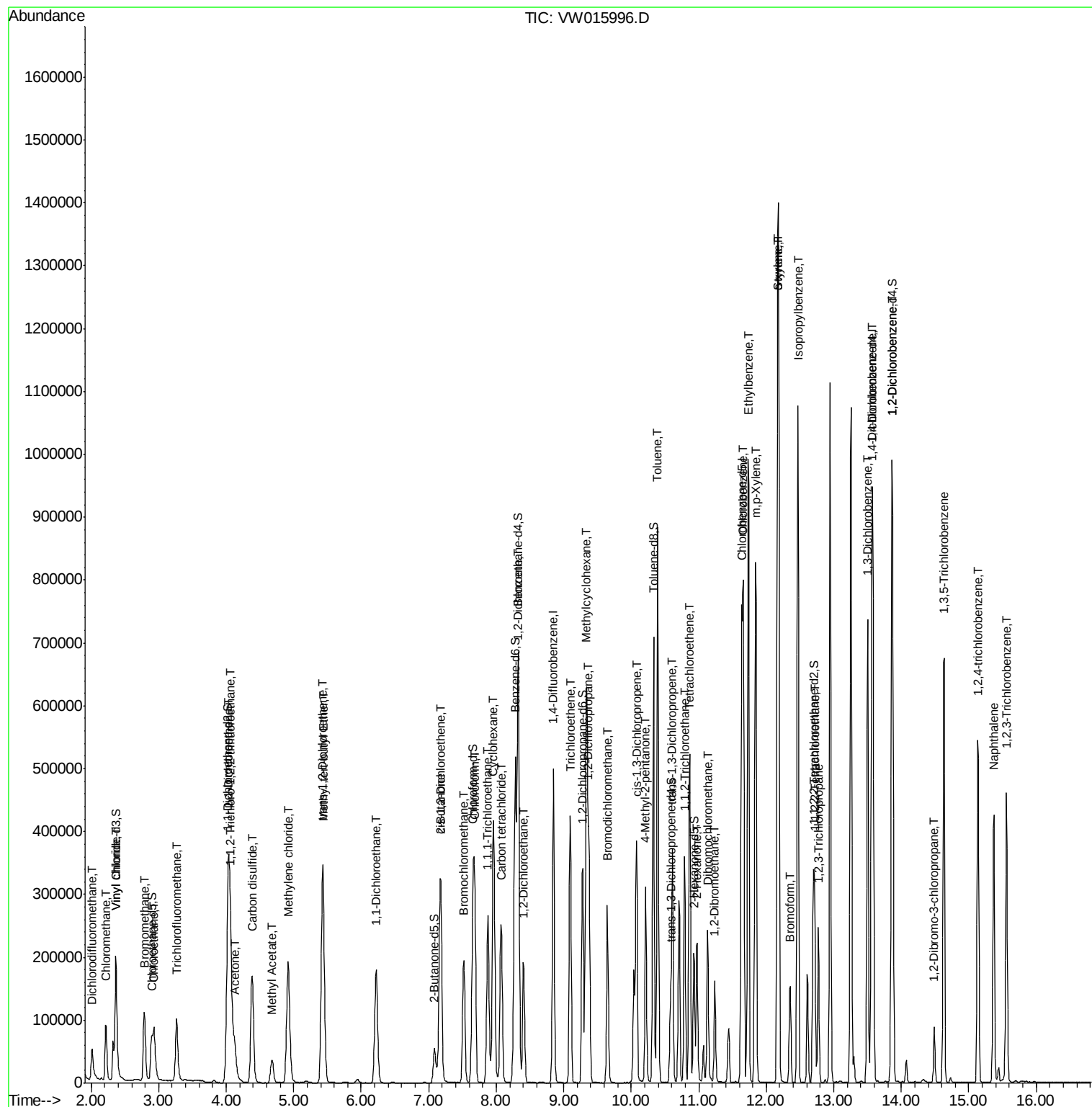
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	70148	27.243	ug/L	97
25) Chloroform	7.68	83	264843	25.837	ug/L	100
27) 1,2-Dichloroethane	8.40	62	175821	25.208	ug/L	96
30) Cyclohexane	7.96	56	235512	24.438	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	219520	24.598	ug/L	98
32) Carbon tetrachloride	8.07	117	193362	23.894	ug/L	98
34) Benzene	8.33	78	598282	25.774	ug/L	100
35) Trichloroethene	9.10	95	149955	24.421	ug/L	96
36) Methylcyclohexane	9.34	83	262511	24.914	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153665	26.722	ug/L	100
41) Bromodichloromethane	9.65	83	189629	25.534	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	232247	26.518	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	196929	58.671	ug/L	98
44) Toluene	10.39	91	635016	26.083	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	200153	26.366	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	115055	27.823	ug/L	98
47) Tetrachloroethene	10.87	164	119015	24.970	ug/L	97
49) 2-Hexanone	10.98	43	138694	58.228	ug/L	96
50) Dibromochloromethane	11.13	129	130567	27.272	ug/L	98
51) 1,2-Dibromoethane	11.24	107	110032	27.815	ug/L	100
52) Chlorobenzene	11.66	112	402057	25.772	ug/L	100
53) Ethylbenzene	11.73	91	707674	25.850	ug/L	99
54) m,p-Xylene	11.84	106	265256	25.898	ug/L	100
55) o-xylene	12.17	106	250616	25.985	ug/L	91
56) Styrene	12.18	104	443725	27.054	ug/L	99
57) Isopropylbenzene	12.47	105	691341	26.332	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	142594	29.366	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105486	28.994	ug/L	99
62) Bromoform	12.35	173	72087	25.745	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	305958	25.115	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	312203	25.252	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	279805	25.286	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	23355	28.042	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	216313	25.253	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	178770	26.275	ug/L	99
69) Naphthalene	15.37	128	360876	28.154	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	162590	26.820	ug/L	98

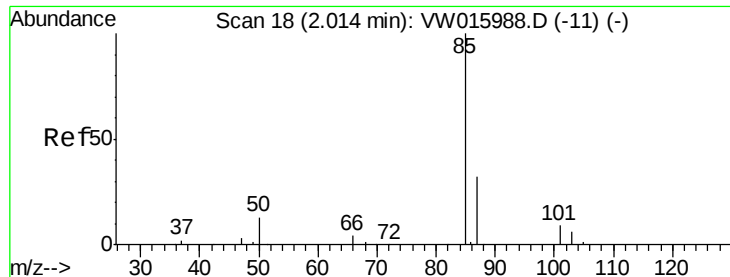
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.134 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

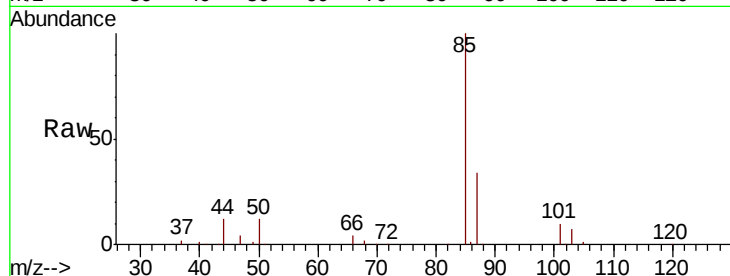
VSTD02518

Tot Ion: 85 Resp: 84435

Ion Ratio Lower Upper

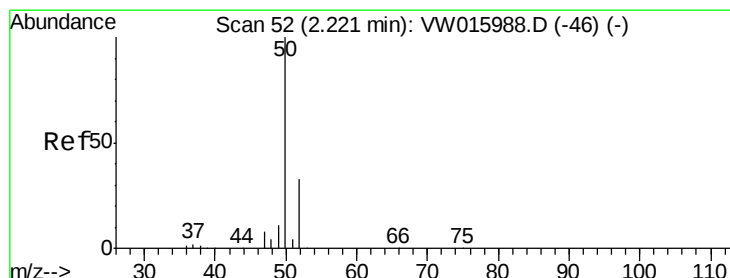
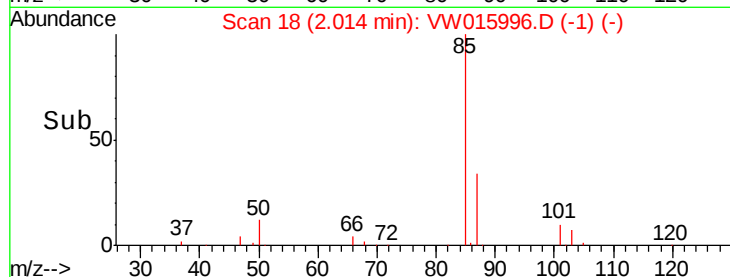
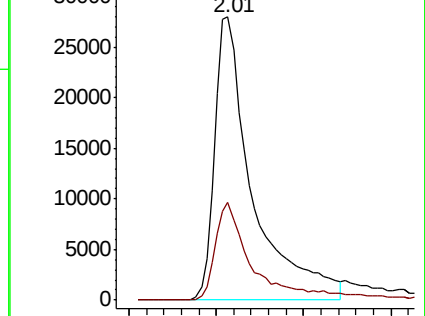
85 100

87 32.3 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.655 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015996.D

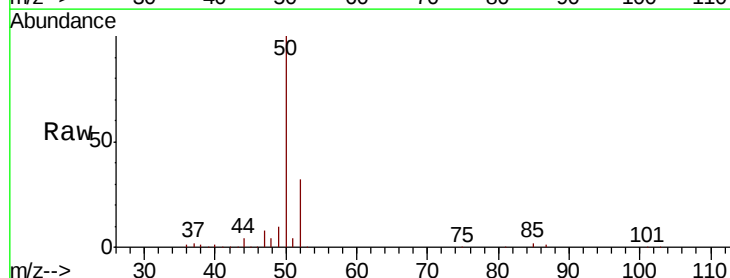
Acq: 29 Jul 2020 18:13

Tgt Ion: 50 Resp: 100093

Ion Ratio Lower Upper

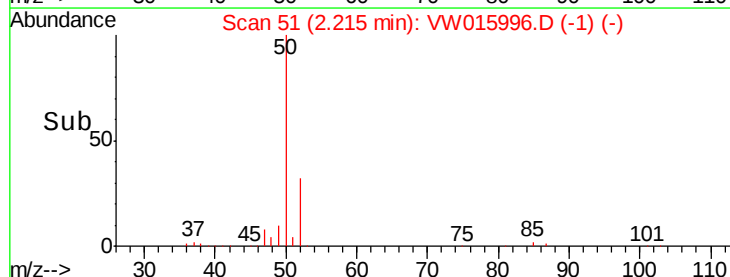
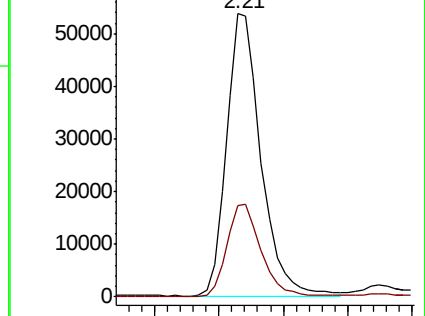
50 100

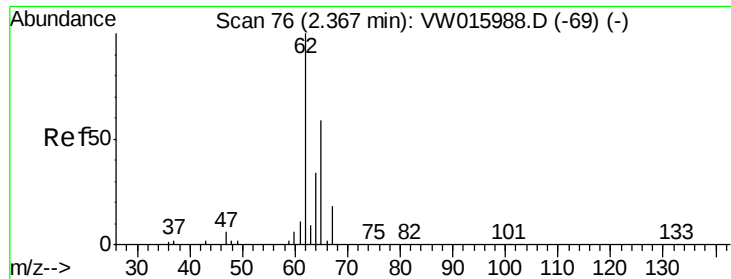
52 32.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.228 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

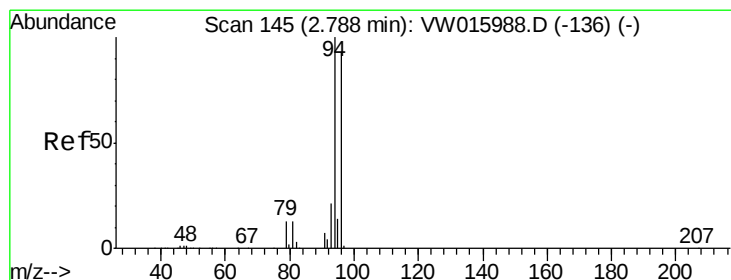
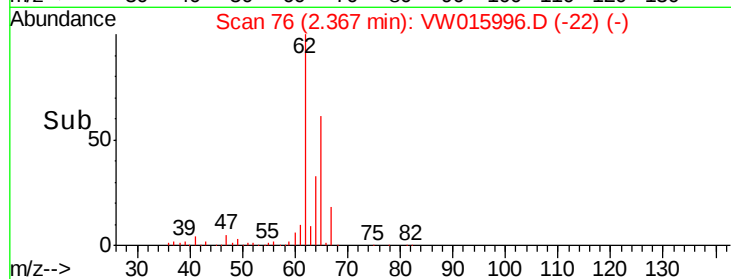
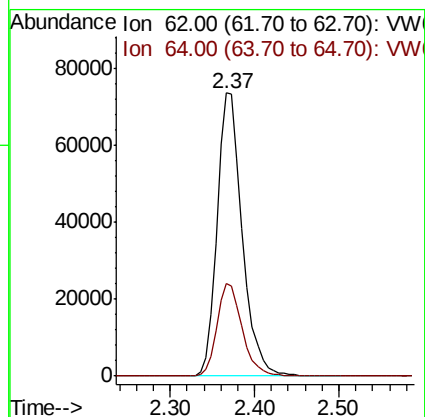
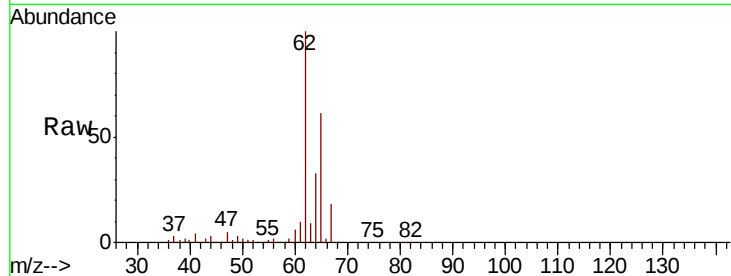
VSTD02518

Tot Ion: 62 Resp: 151590

Ion Ratio Lower Upper

62 100

64 32.6 23.2 43.0



#6

Bromomethane

Concen: 23.645 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015996.D

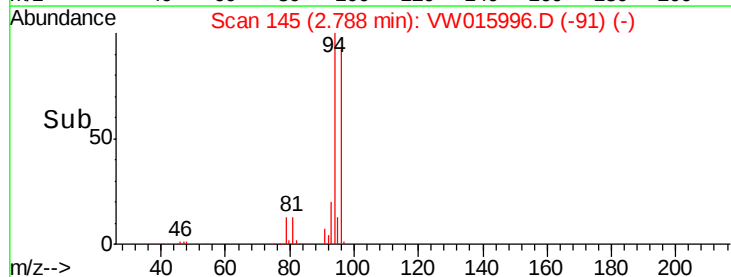
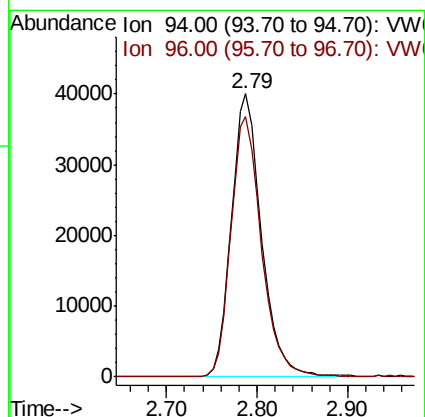
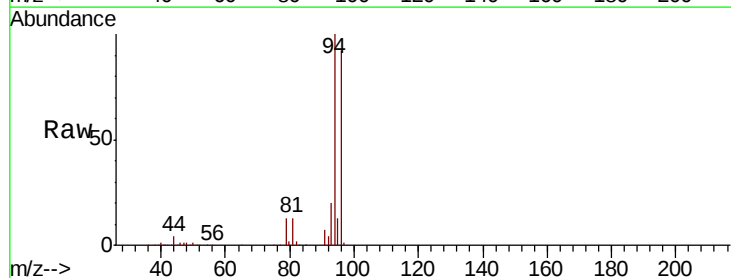
Acq: 29 Jul 2020 18:13

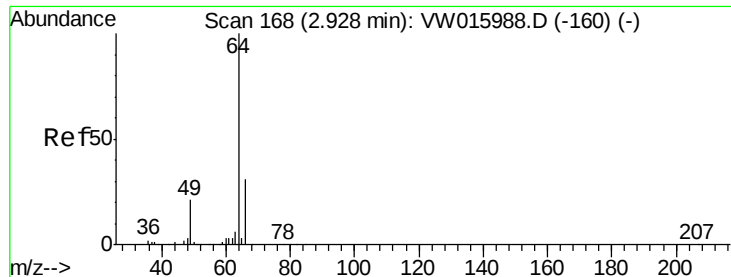
Tgt Ion: 94 Resp: 92062

Ion Ratio Lower Upper

94 100

96 93.2 9.5 180.1





#8

Chloroethane

Concen: 24.534 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

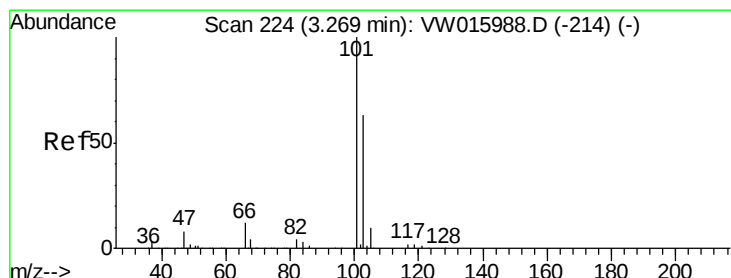
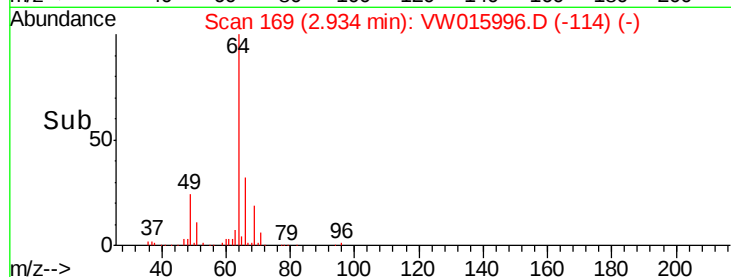
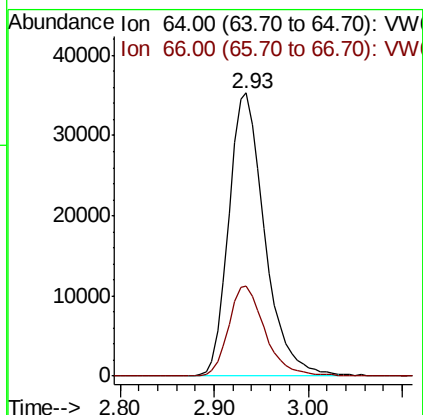
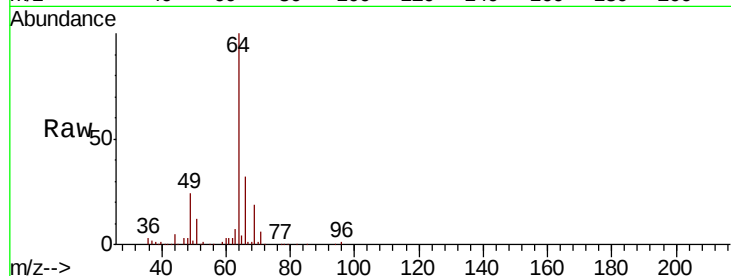
VSTD02518

Tot Ion: 64 Resp: 93798

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.4



#9

Trichlorofluoromethane

Concen: 26.442 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015996.D

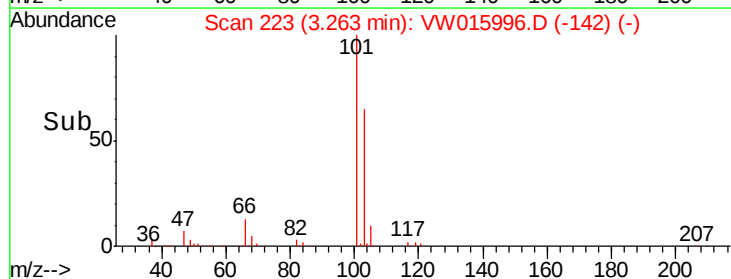
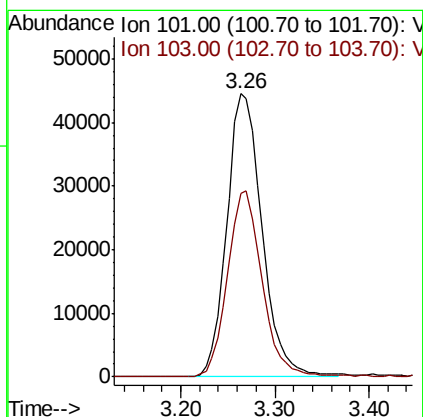
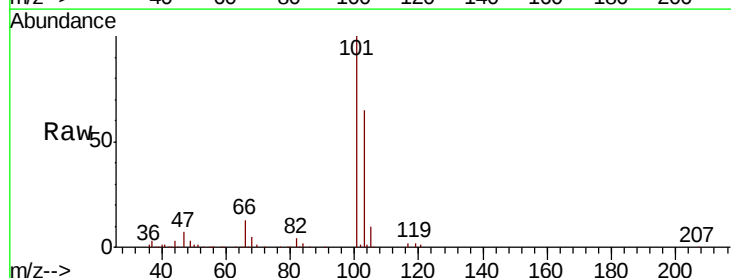
Acq: 29 Jul 2020 18:13

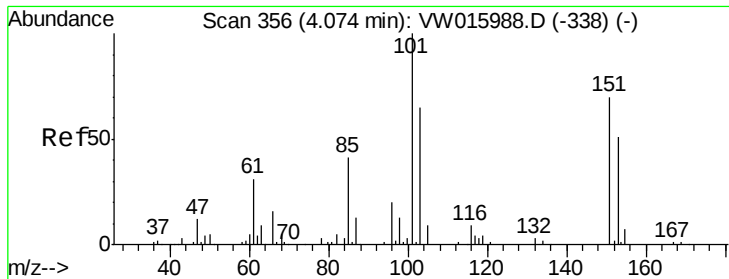
Tgt Ion: 101 Resp: 115994

Ion Ratio Lower Upper

101 100

103 64.1 45.8 85.2





#11

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

Concen: 25.657 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

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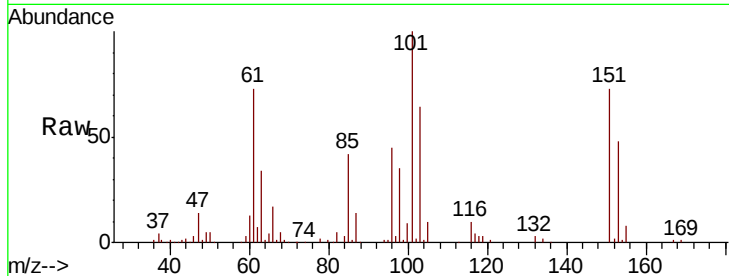
Tot Ion:101 Resp: 137581

Ion Ratio Lower Upper

101 100

85 42.2 35.5 53.3

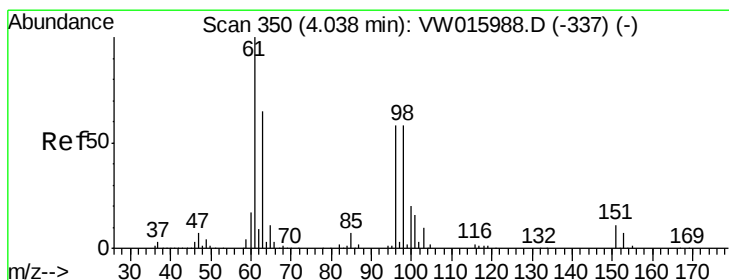
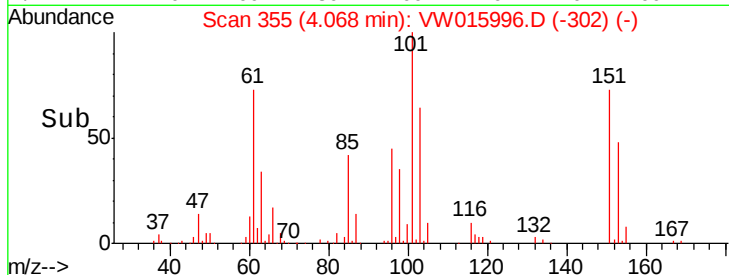
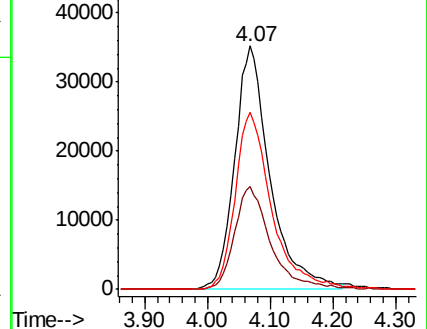
151 74.2 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.670 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

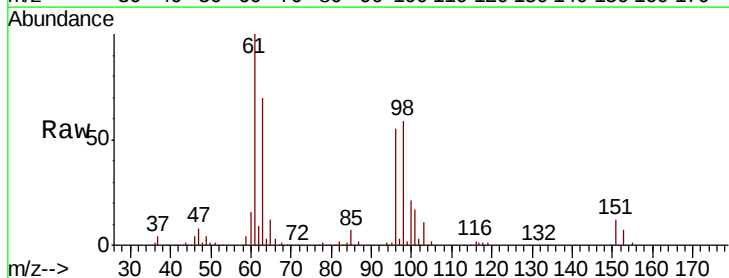
Tgt Ion: 96 Resp: 131117

Ion Ratio Lower Upper

96 100

61 180.6 125.0 232.2

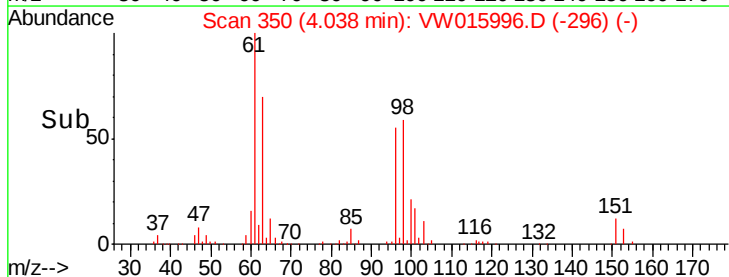
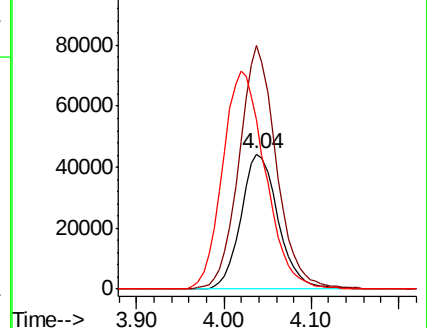
63 125.5 82.3 152.8

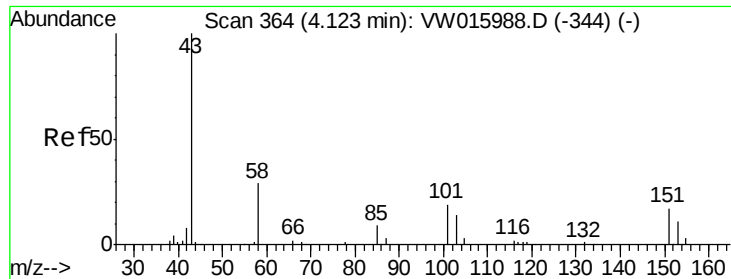


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.177 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

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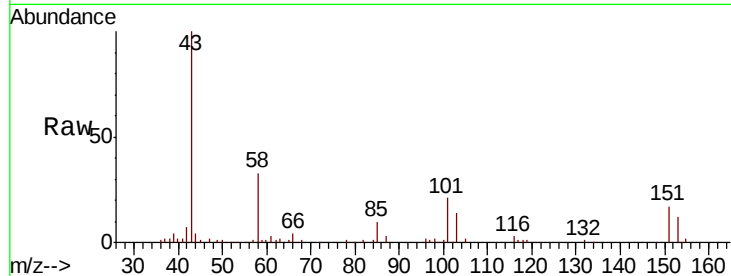
VSTD02518

Tot Ion: 43 Resp: 64578

Ion Ratio Lower Upper

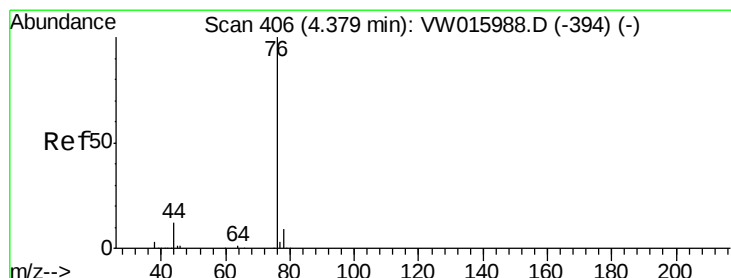
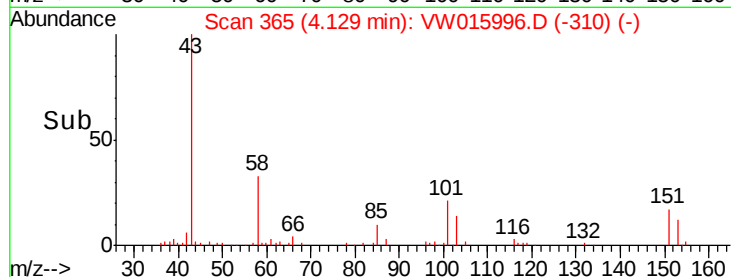
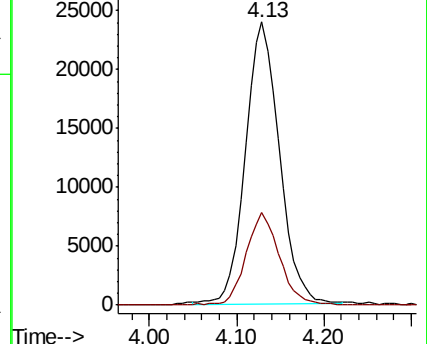
43 100

58 32.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.114 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015996.D

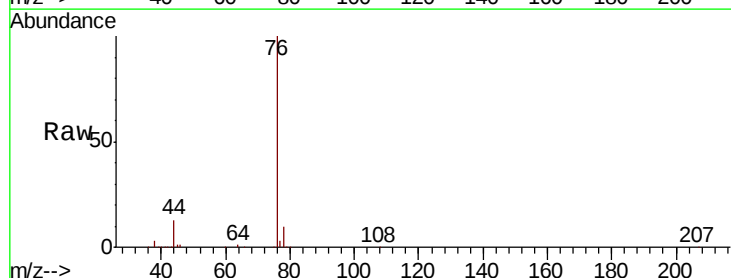
Acq: 29 Jul 2020 18:13

Tgt Ion: 76 Resp: 387984

Ion Ratio Lower Upper

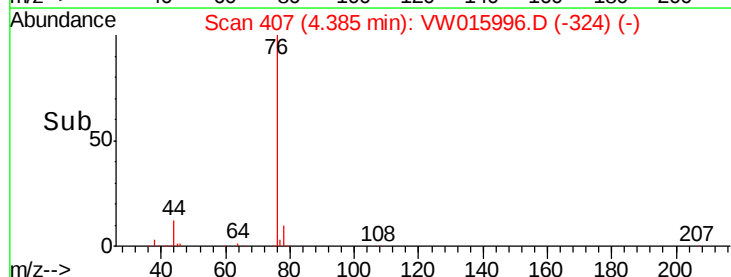
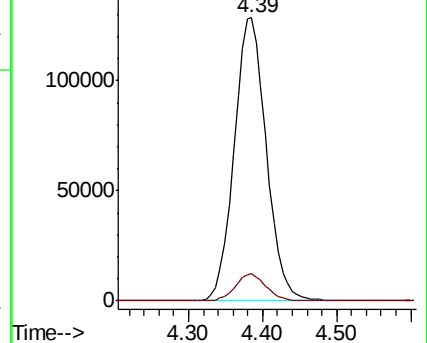
76 100

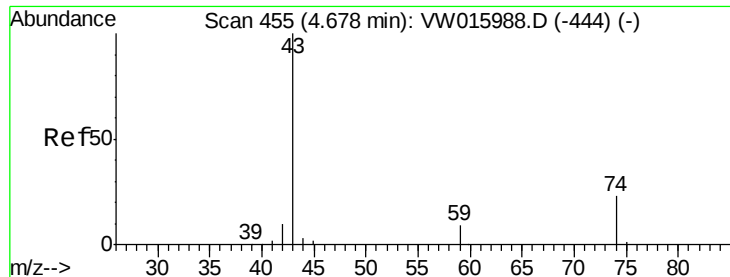
78 9.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

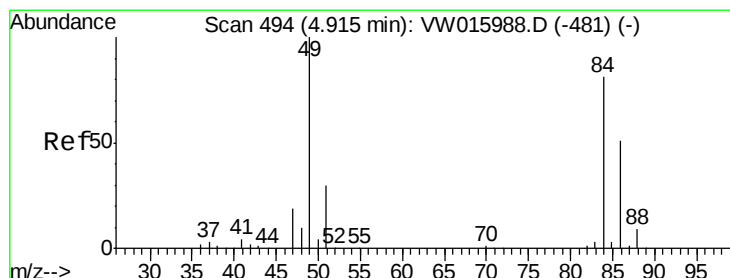
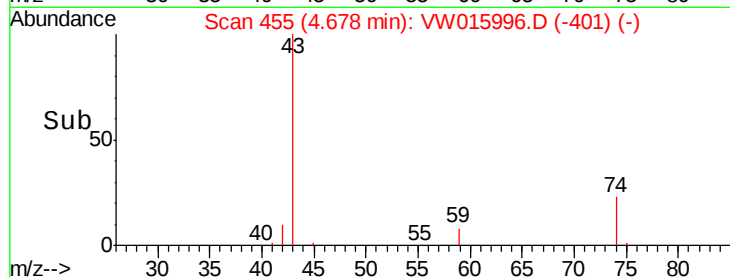
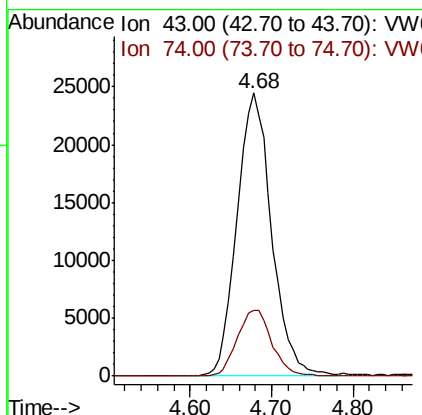
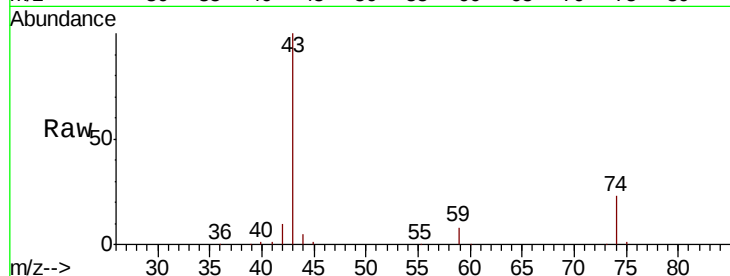




#15
Methyl Acetate
Concen: 29.771 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

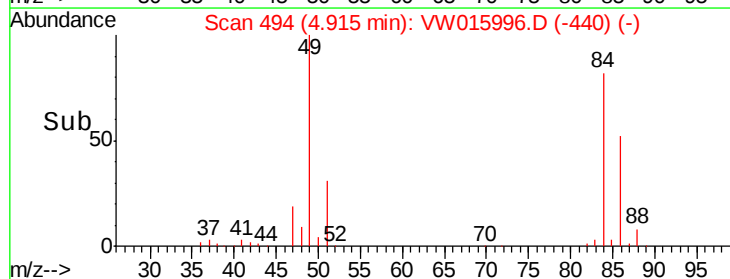
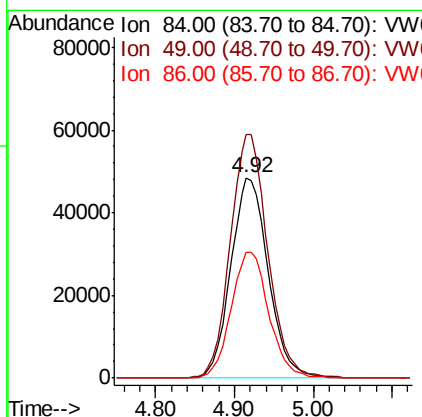
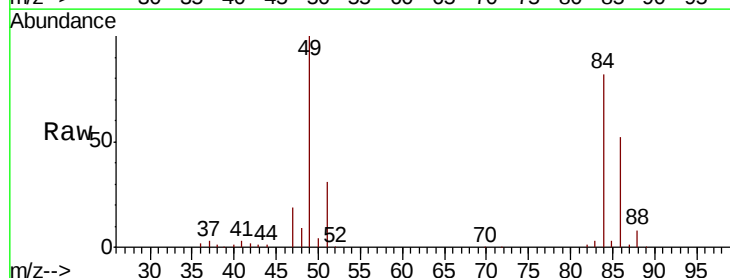
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

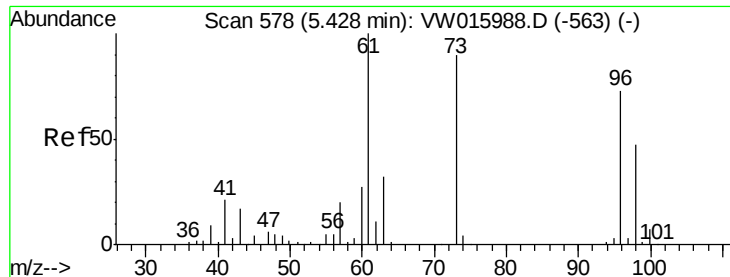
Tot Ion: 43 Resp: 72243
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#16
Methylene chloride
Concen: 23.592 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

Tgt Ion: 84 Resp: 159834
Ion Ratio Lower Upper
84 100
49 121.5 91.1 169.1
86 63.0 46.0 85.4

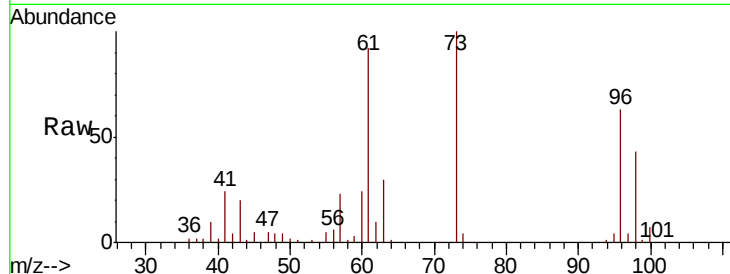




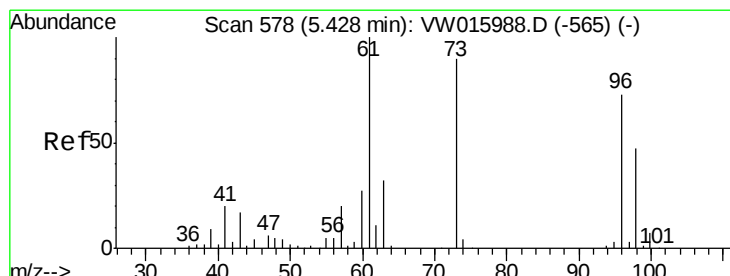
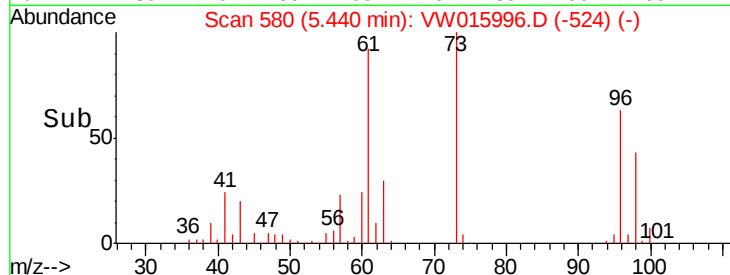
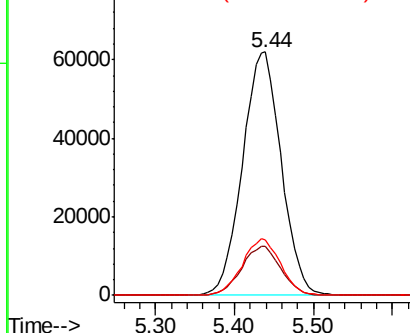
#17
Methvl tert-butvl Ether
Concen: 28.159 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Tot Ion: 73 Resp: 211637
Ion Ratio Lower Upper
73 100
43 20.6 18.4 27.6
57 22.9 17.8 26.8

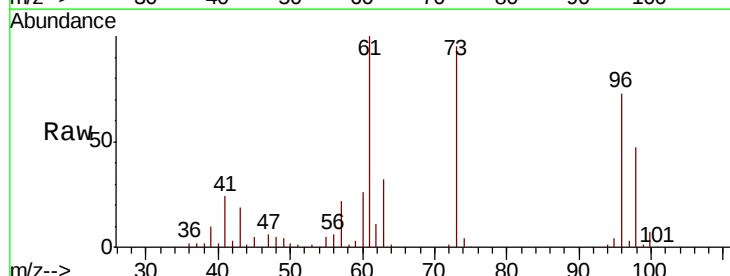


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

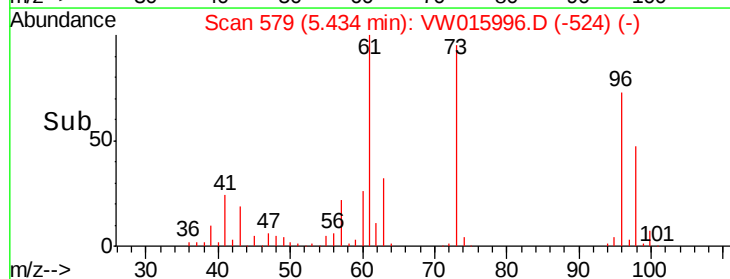
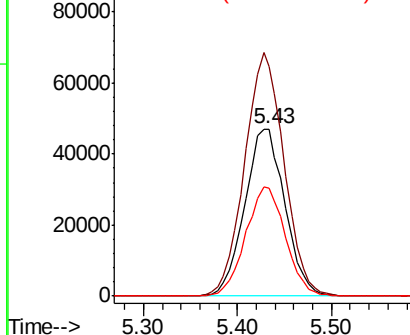


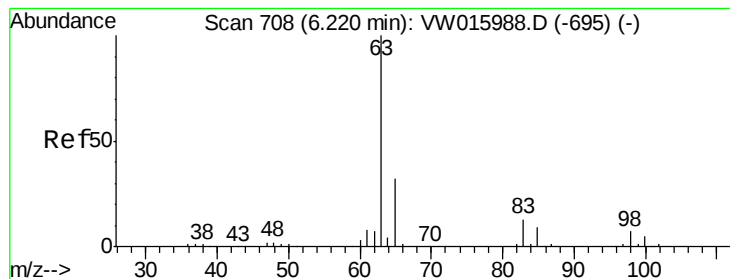
#18
trans-1,2-Dichloroethene
Concen: 25.138 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

Tgt Ion: 96 Resp: 141090
Ion Ratio Lower Upper
96 100
61 137.6 99.3 184.5
98 64.2 42.9 79.7



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





#19

1,1-Dichloroethane

Concen: 25.860 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

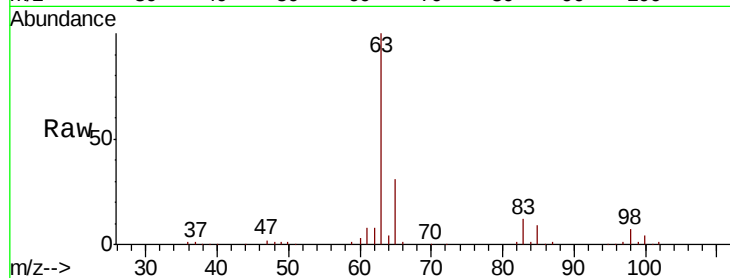
Tot Ion: 63 Resp: 267460

Ion Ratio Lower Upper

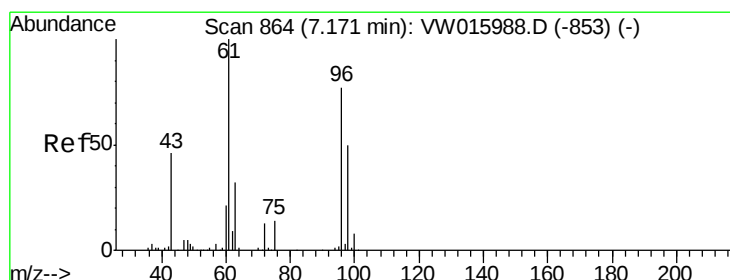
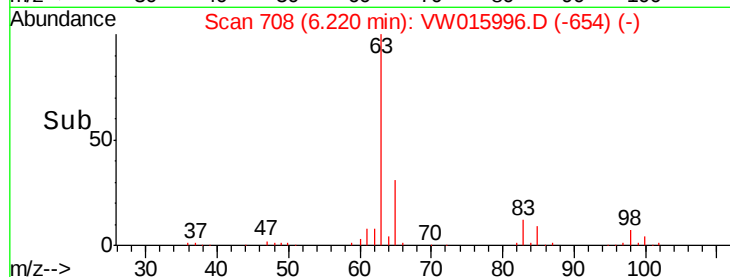
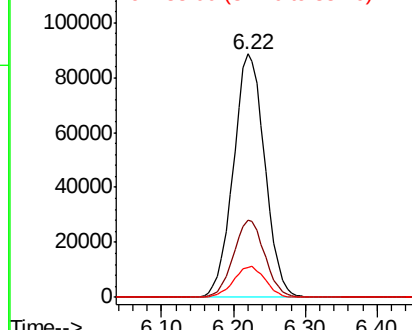
63 100

65 31.5 22.2 41.2

83 12.4 9.8 18.2



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: 60.313 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015996.D

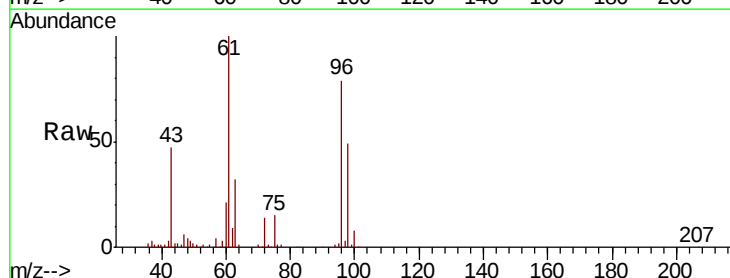
Acq: 29 Jul 2020 18:13

Tgt Ion: 43 Resp: 95987

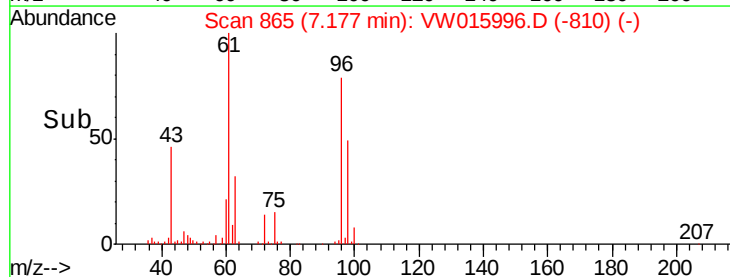
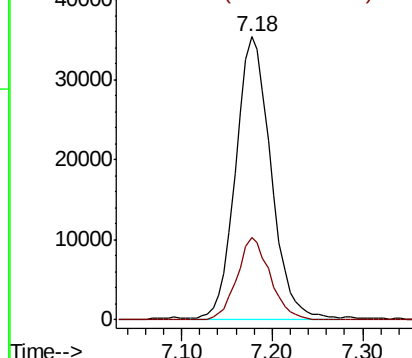
Ion Ratio Lower Upper

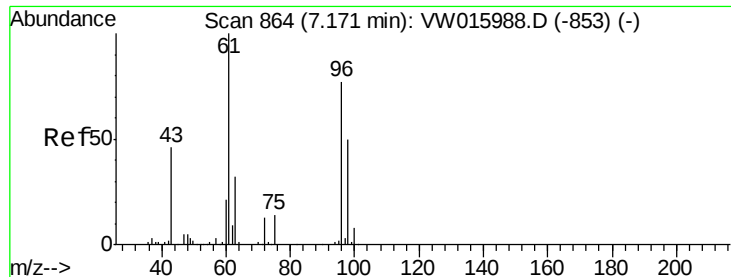
43 100

72 27.2 13.9 41.7



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



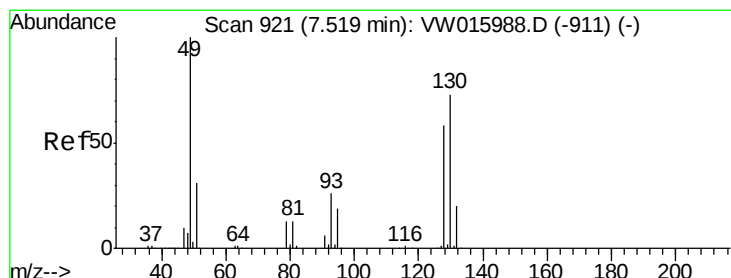
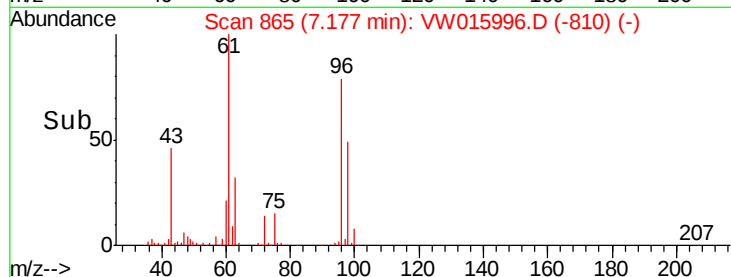
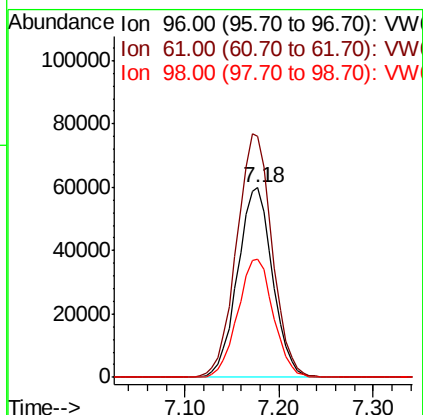
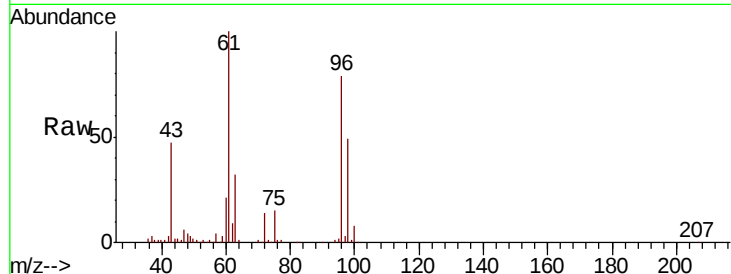


#22

cis-1,2-Dichloroethene
 Concen: 26.473 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

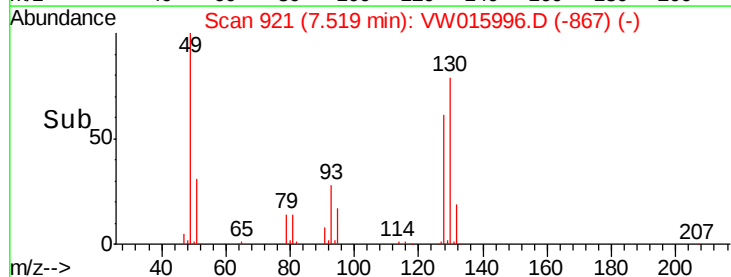
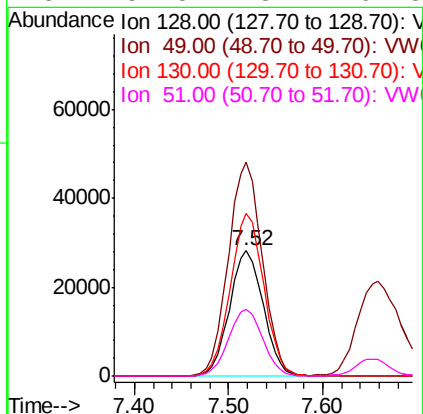
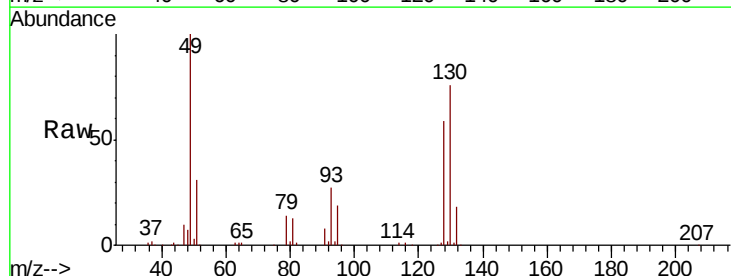
Tot Ion	96	Resp	155448
Ion	Ratio	Lower	Upper
96	100		
61	127.0	94.6	175.8
98	62.4	44.3	82.3

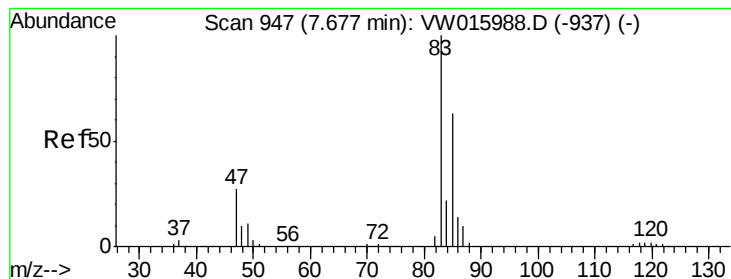


#23

Bromochloromethane
 Concen: 27.243 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion	128	Resp	70148
Ion	Ratio	Lower	Upper
128	100		
49	170.3	122.4	227.2
130	129.5	93.9	174.5
51	52.8	43.2	64.8





#25

Chloroform

Concen: 25.837 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

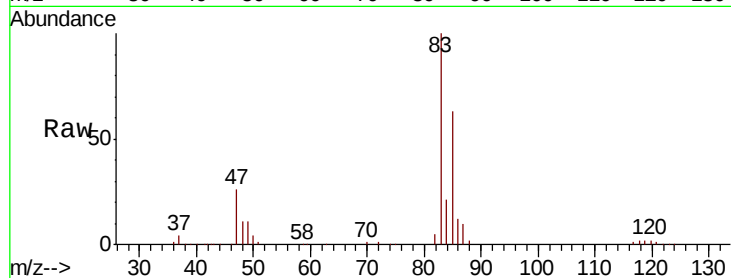
VSTD02518

Tot Ion: 83 Resp: 264843

Ion Ratio Lower Upper

83 100

85 66.3 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

120000

100000

80000

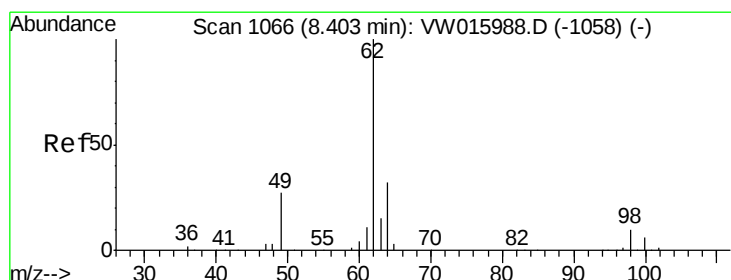
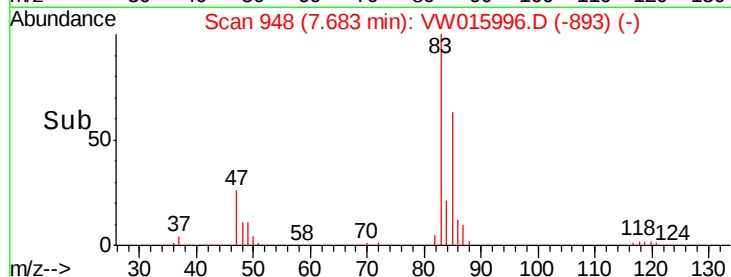
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 25.208 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015996.D

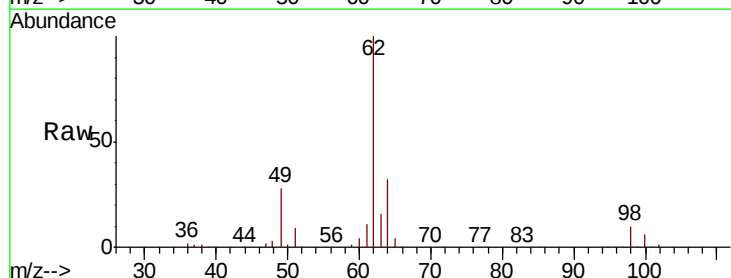
Acq: 29 Jul 2020 18:13

Tgt Ion: 62 Resp: 175821

Ion Ratio Lower Upper

62 100

98 10.3 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

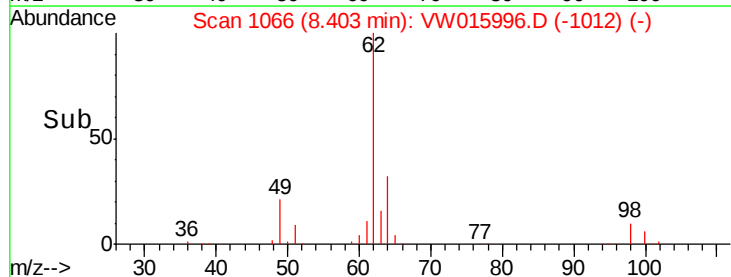
60000

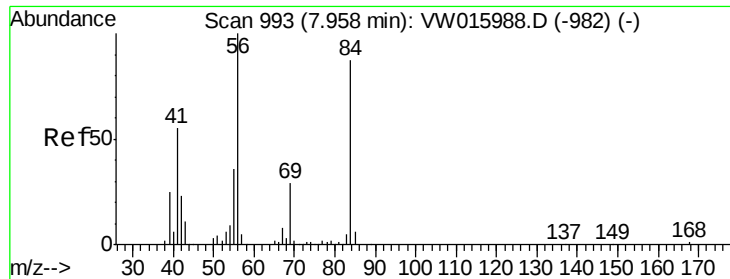
40000

20000

0

Time-->

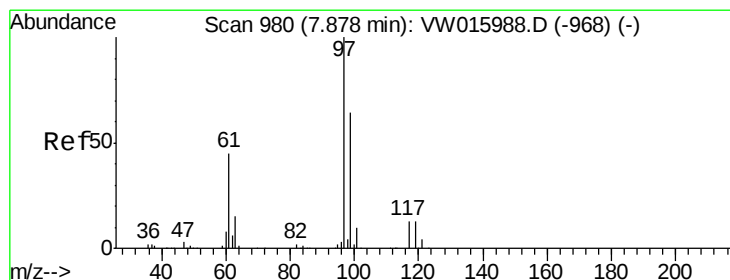
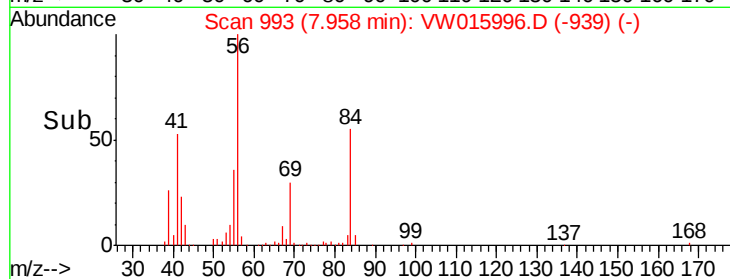
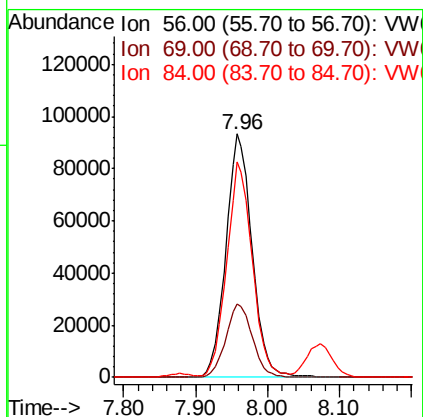
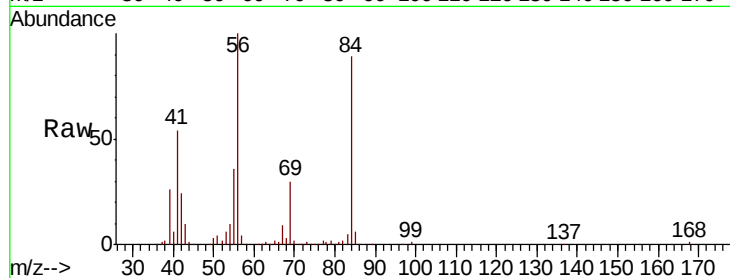




#30
Cyclohexane
Concen: 24.438 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

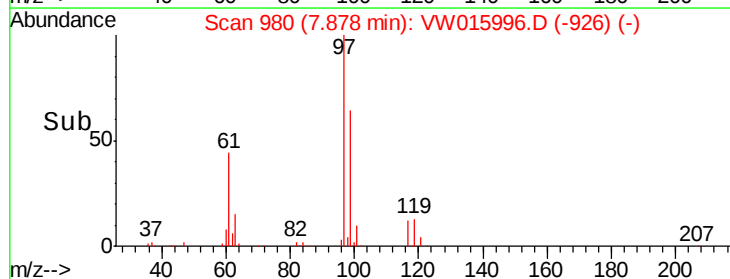
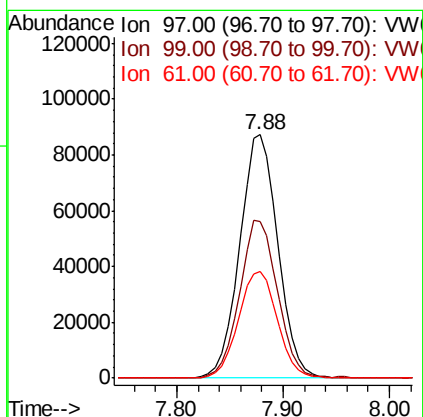
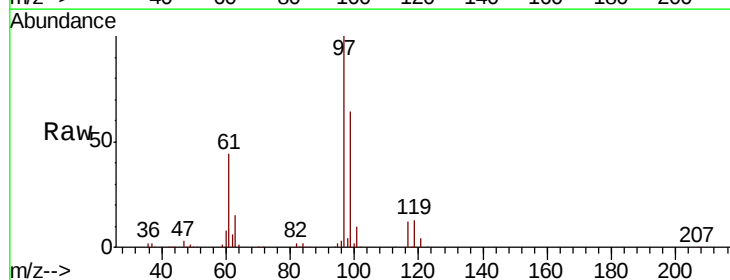
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

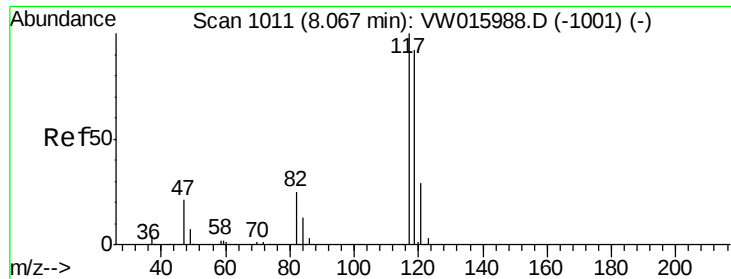
Tot Ion: 56 Resp: 23512
Ion Ratio Lower Upper
56 100
69 30.6 24.4 36.6
84 86.5 69.3 103.9



#31
1,1,1-Trichloroethane
Concen: 24.598 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

Tgt Ion: 97 Resp: 219520
Ion Ratio Lower Upper
97 100
99 64.6 51.9 77.9
61 44.7 37.6 56.4





#32

Carbon tetrachloride

Concen: 23.894 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

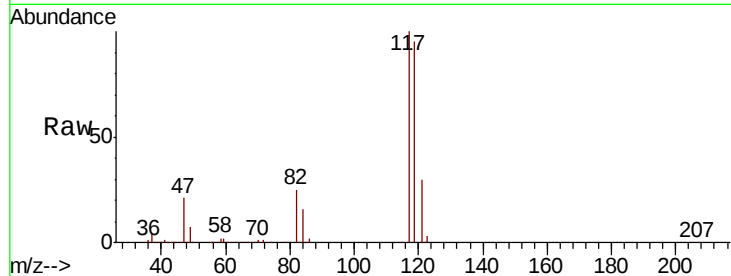
VSTD02518

Tot Ion:117 Resp: 193362

Ion Ratio Lower Upper

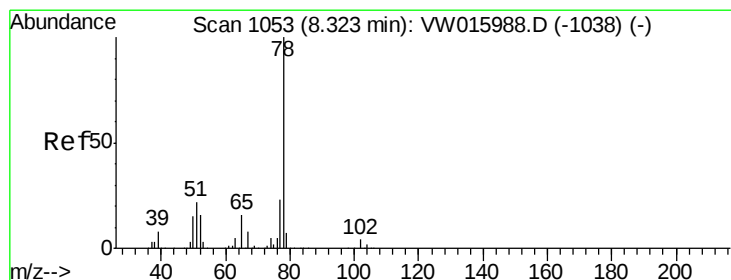
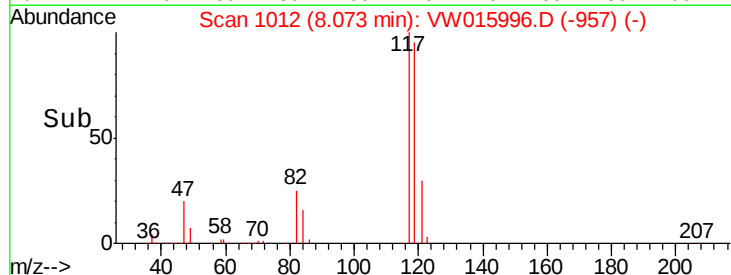
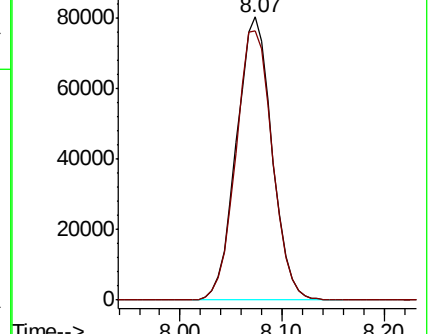
117 100

119 97.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.774 ug/L

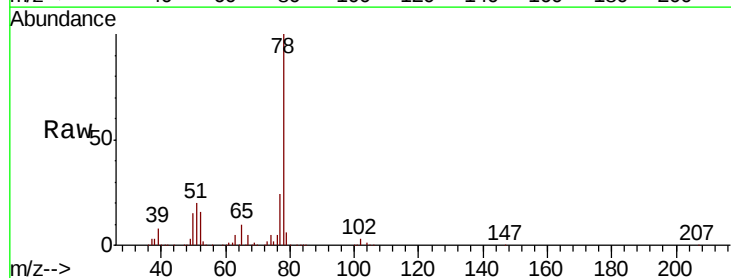
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

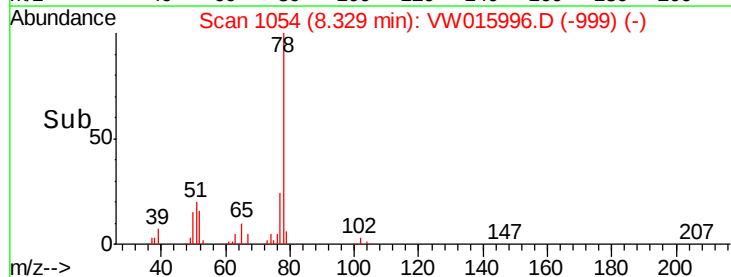
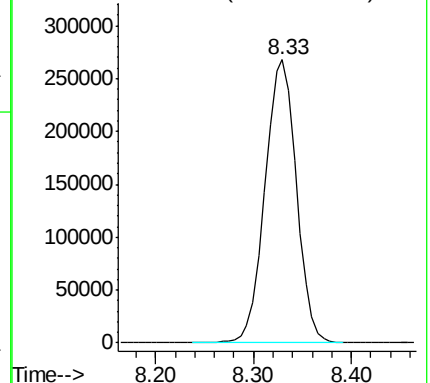
Lab File: VW015996.D

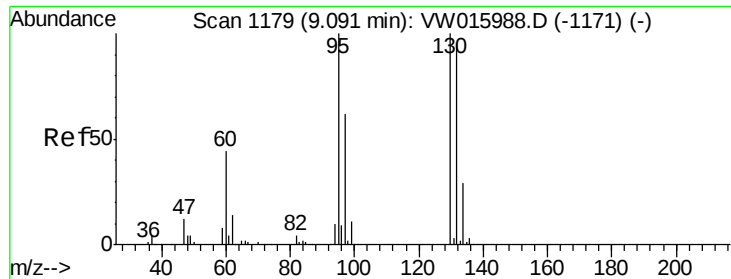
Acq: 29 Jul 2020 18:13

Tgt Ion: 78 Resp: 598282



Abundance Ion 78.00 (77.70 to 78.70): VW

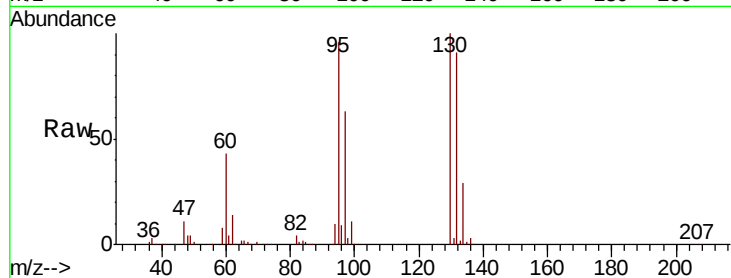




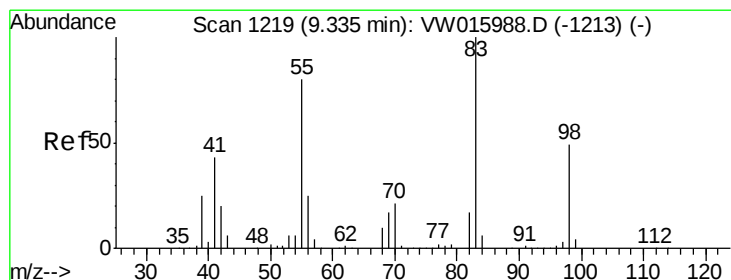
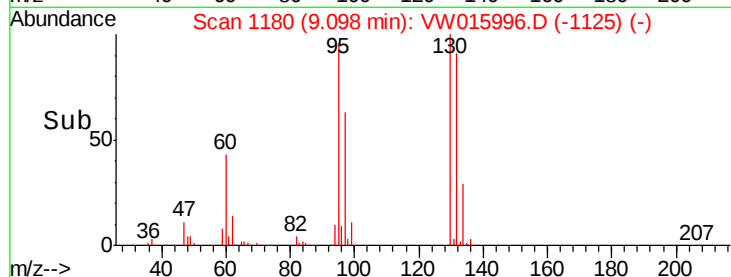
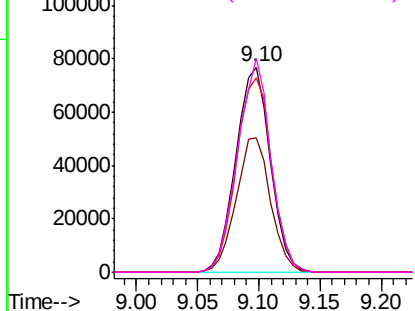
#35
 Trichloroethene
 Concen: 24.421 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion:	95	Resp:	149955
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.4	82.4
132	97.3	65.1	120.9
130	101.2	68.6	127.4

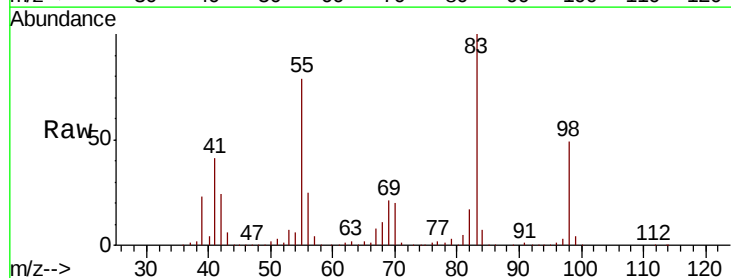


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

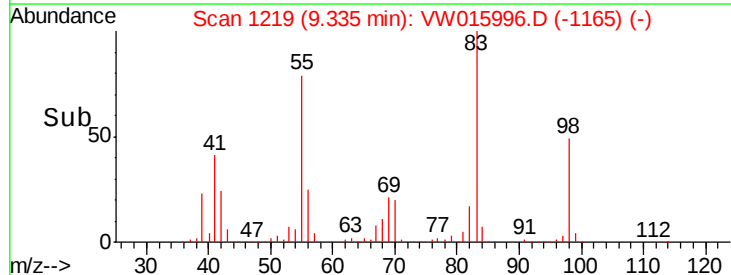
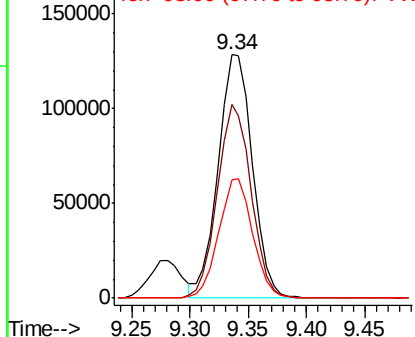


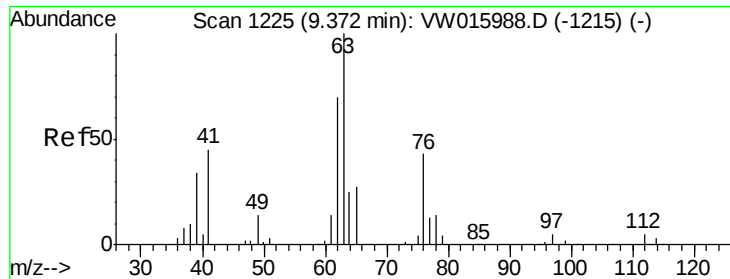
#36
 Methylcyclohexane
 Concen: 24.914 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion:	83	Resp:	262511
Ion	Ratio	Lower	Upper
83	100		
55	77.6	63.5	95.3
98	48.4	39.0	58.4



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: 26.722 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

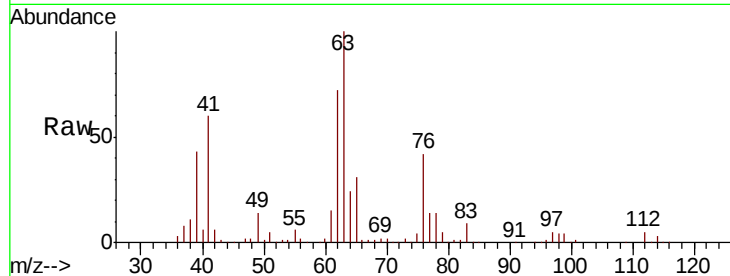
VSTD02518

Tot Ion: 63 Resp: 153665

Ion Ratio Lower Upper

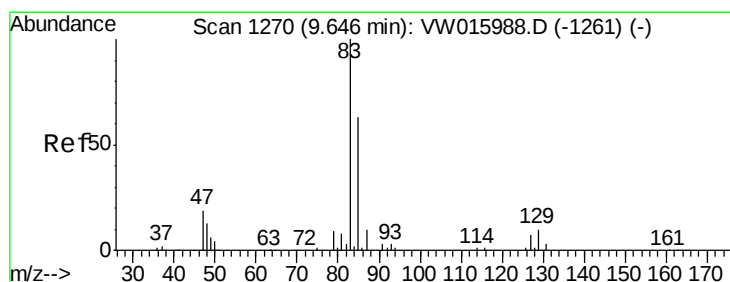
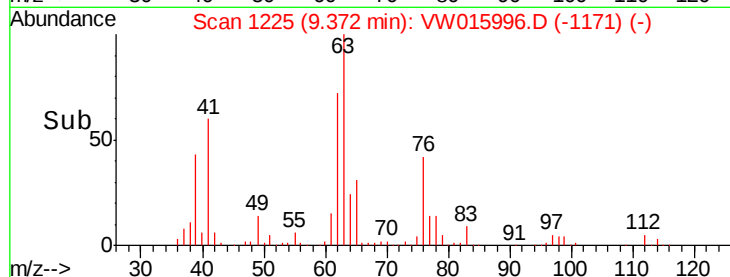
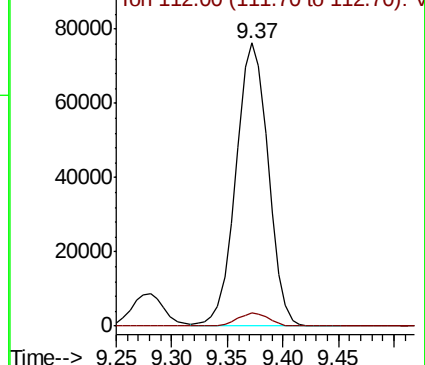
63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.534 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

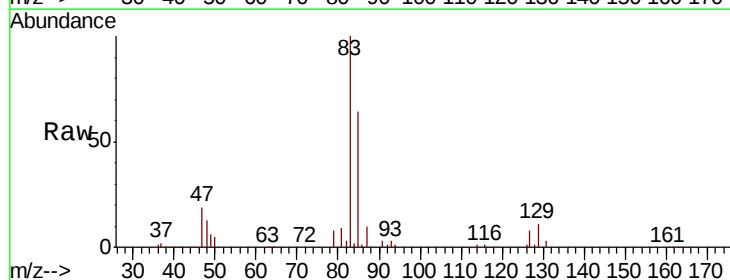
Tgt Ion: 83 Resp: 189629

Ion Ratio Lower Upper

83 100

85 63.7 43.7 81.1

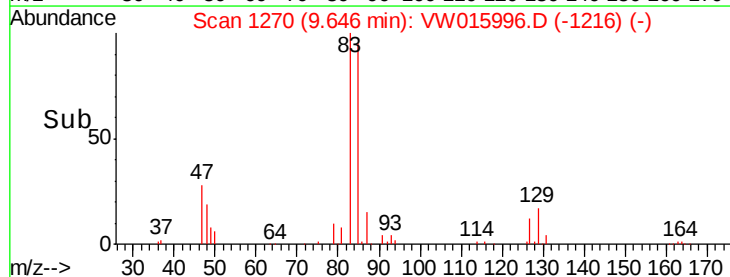
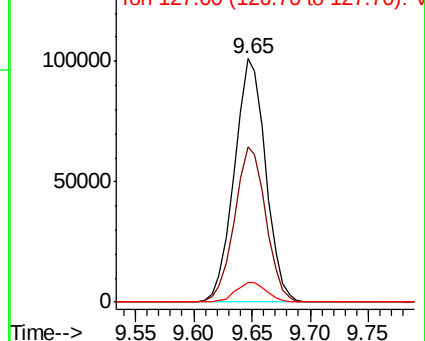
127 8.0 6.5 9.7

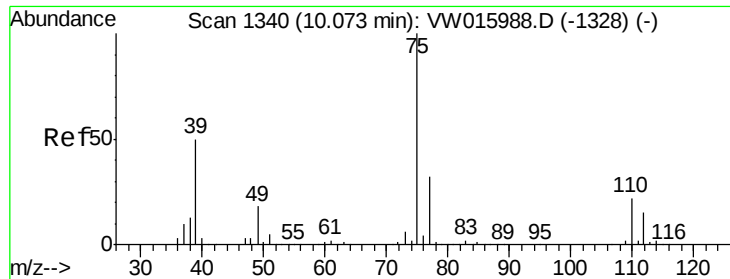


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

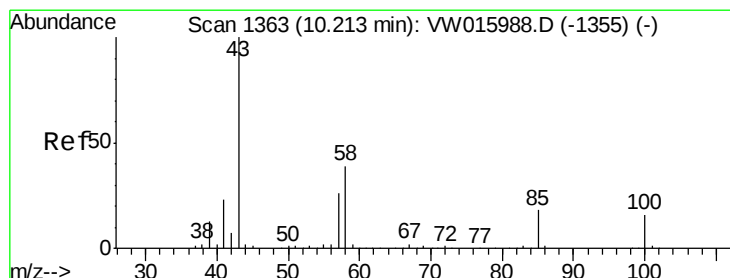
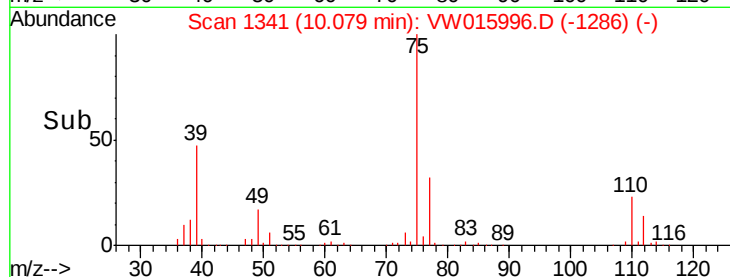
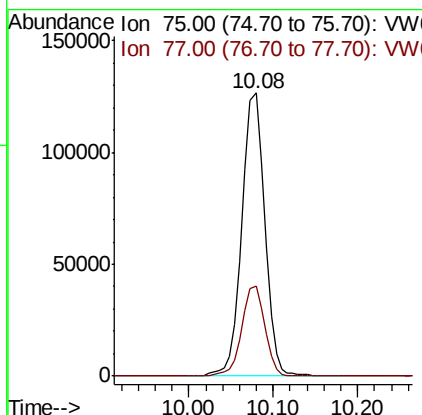
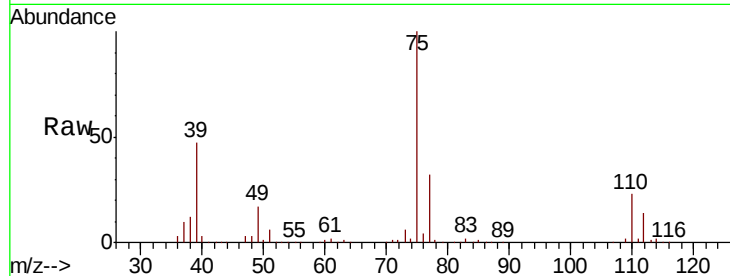




#42
 cis-1,3-Dichloropropene
 Concen: 26.518 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

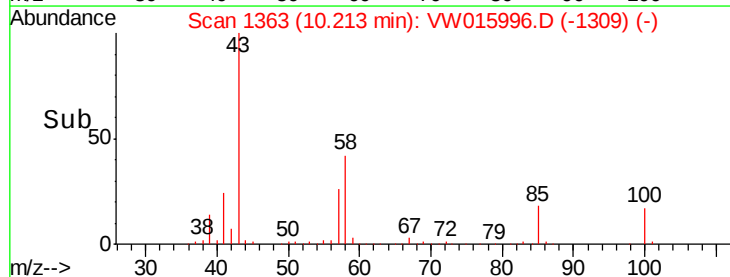
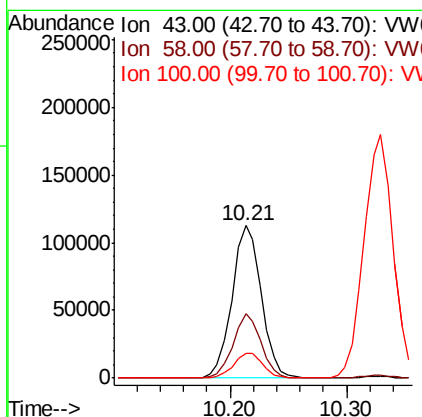
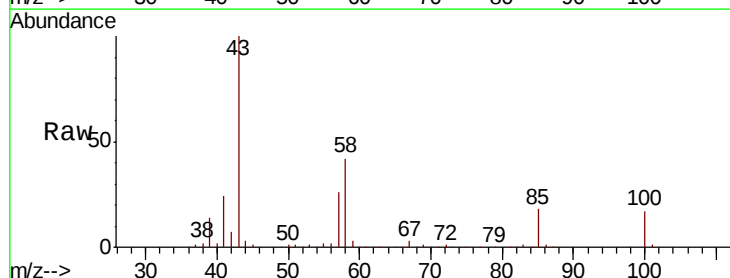
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

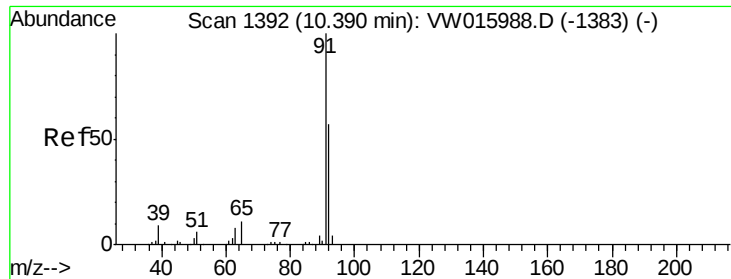
Tot Ion: 75 Resp: 232247
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 58.671 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion: 43 Resp: 196929
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.0 46.4
 100 16.4 12.6 19.0





#44

Toluene

Concen: 26.083 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

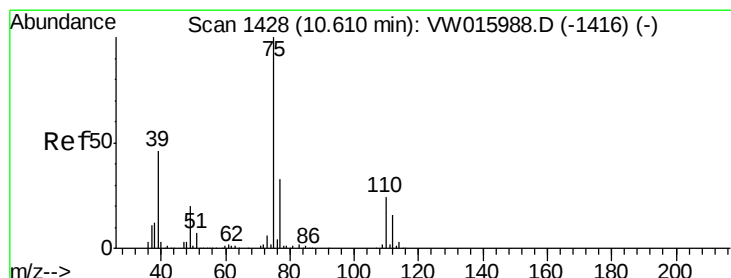
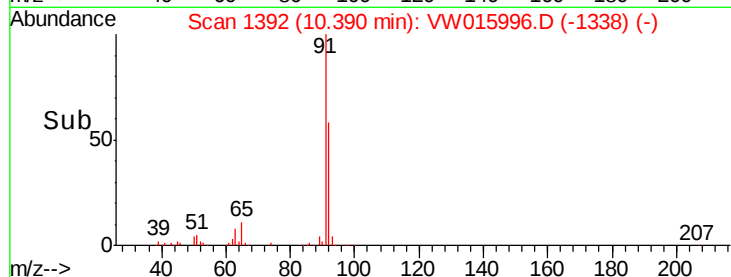
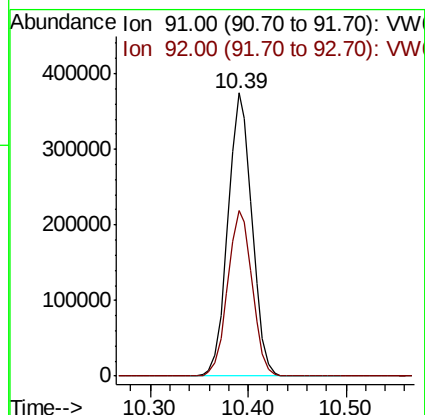
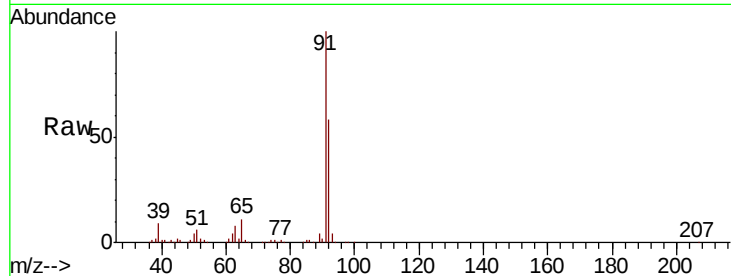
VSTD02518

Tot Ion: 91 Resp: 635016

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 26.366 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015996.D

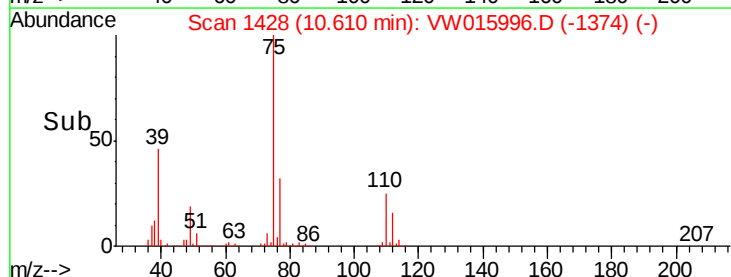
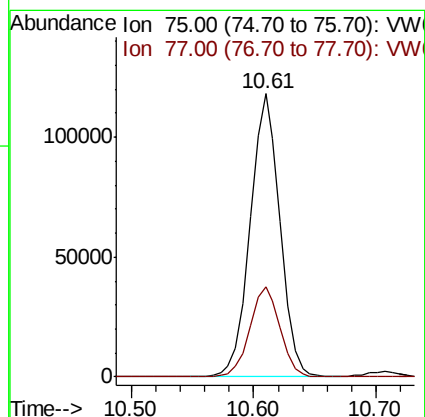
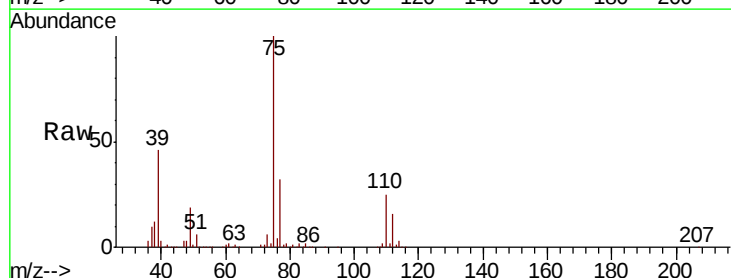
Acq: 29 Jul 2020 18:13

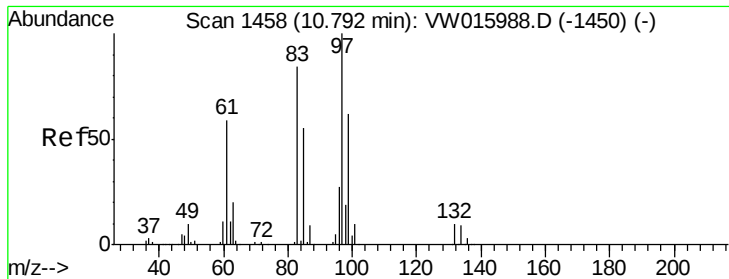
Tgt Ion: 75 Resp: 200153

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9

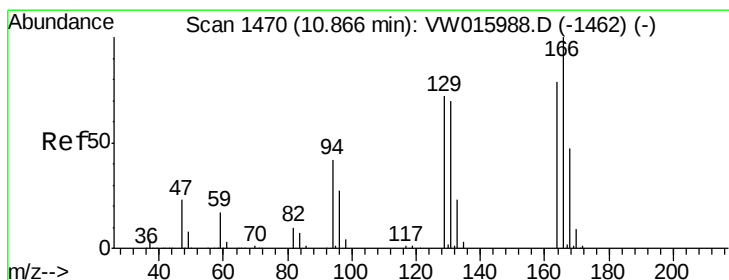
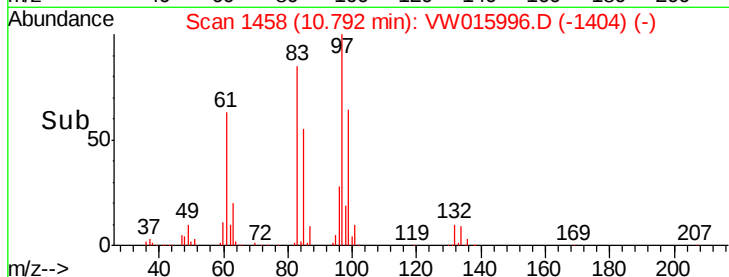
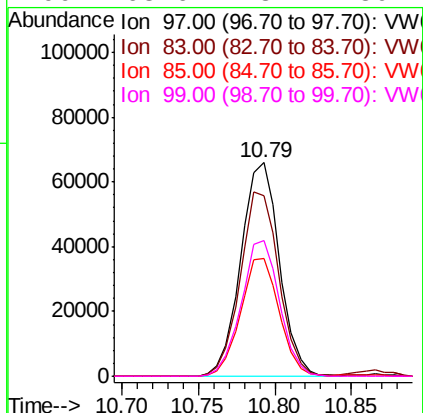
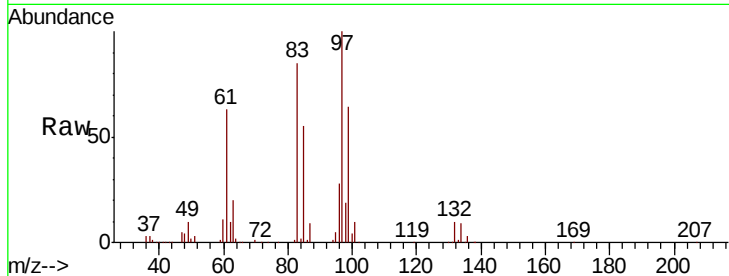




#46
 1,1,2-Trichloroethane
 Concen: 27.823 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

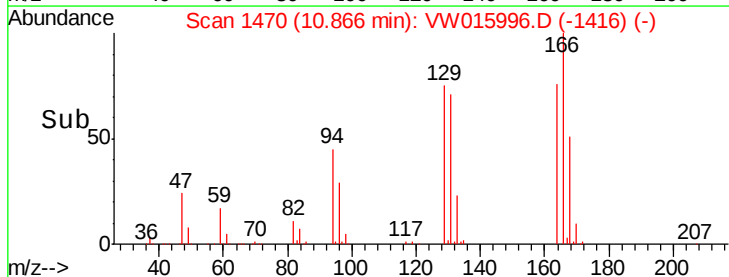
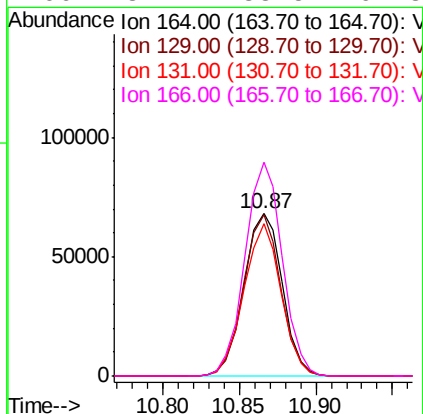
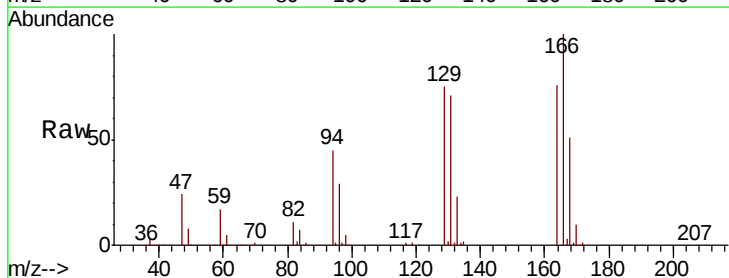
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

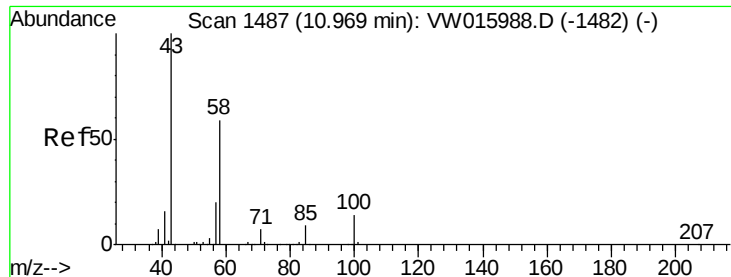
Tot Ion:	97	Resp:	115055
Ion	Ratio	Lower	Upper
97	100		
83	84.7	60.6	112.6
85	55.2	38.9	72.2
99	63.6	43.1	80.1



#47
 Tetrachloroethene
 Concen: 24.970 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion:	164	Resp:	119015
Ion	Ratio	Lower	Upper
164	100		
129	99.1	70.0	130.0
131	93.8	67.3	124.9
166	131.7	88.5	164.3





#49

2-Hexanone

Concen: 58.228 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tot Ion: 43 Resp: 138694

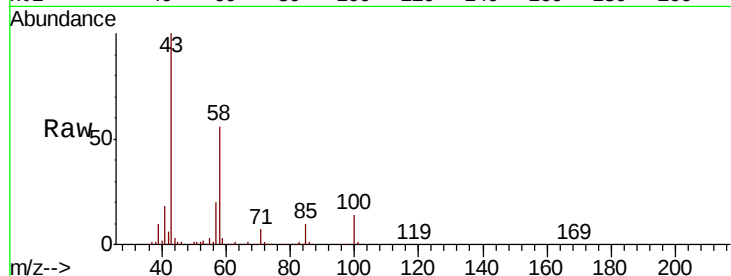
Ion Ratio Lower Upper

43 100

58 57.0 42.4 63.6

57 19.9 15.6 23.4

100 12.7 9.8 14.6

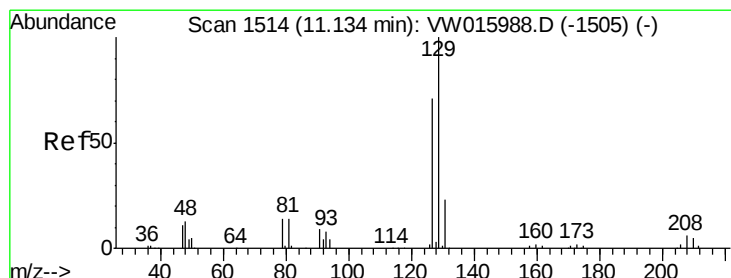
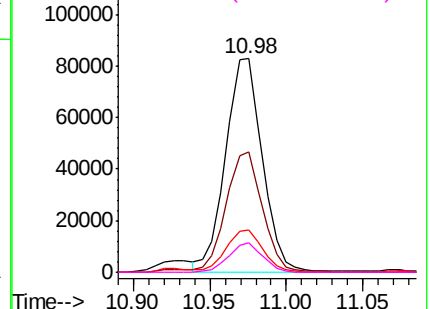
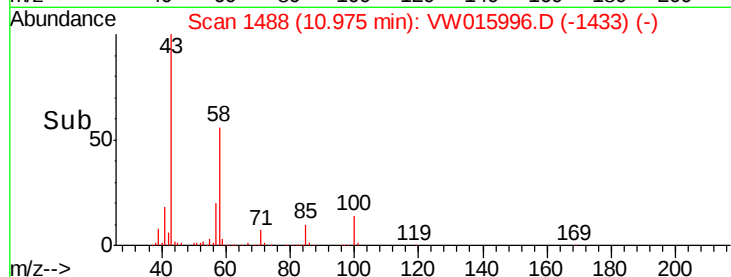


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 27.272 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW015996.D

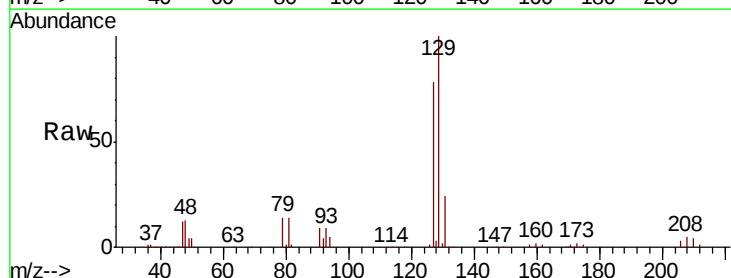
Acq: 29 Jul 2020 18:13

Tgt Ion:129 Resp: 130567

Ion Ratio Lower Upper

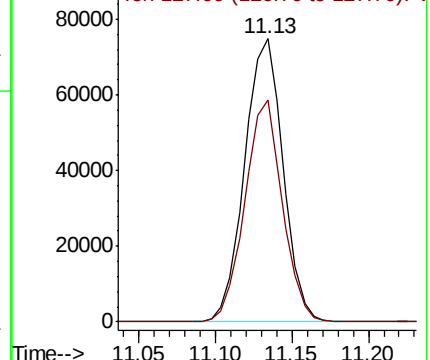
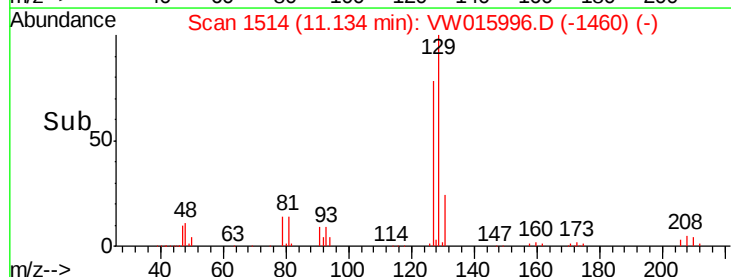
129 100

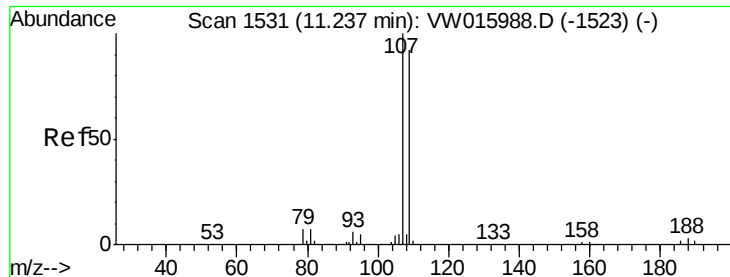
127 78.2 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

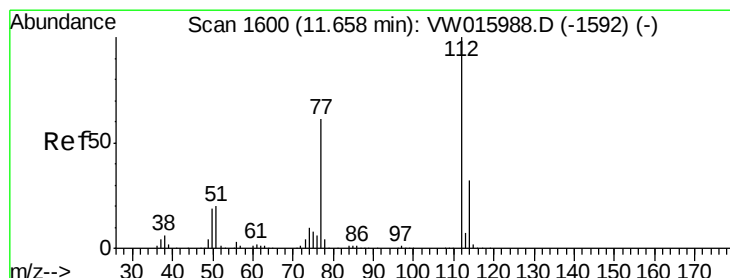
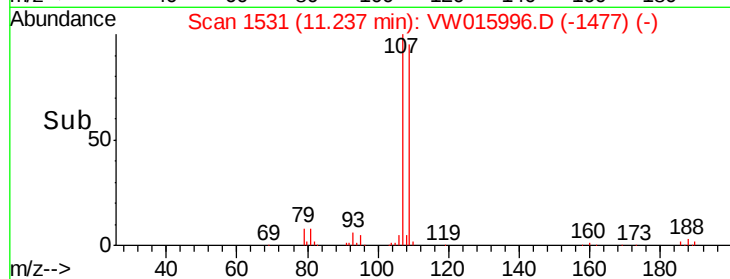
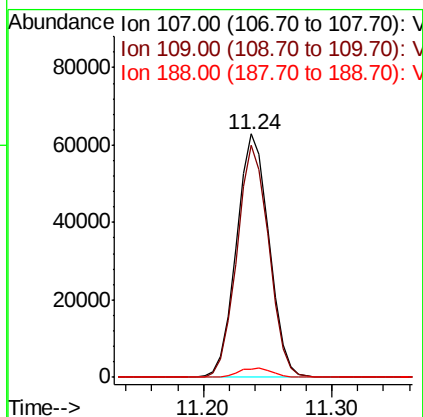
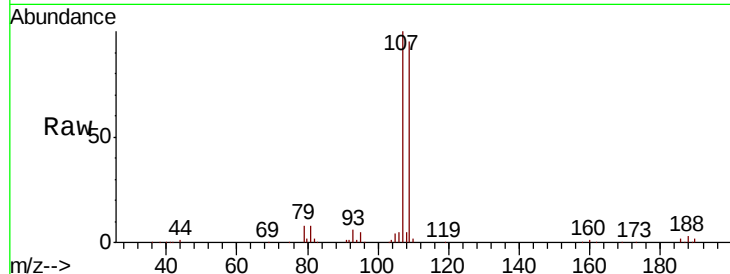




#51
 1,2-Dibromoethane
 Concen: 27.815 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

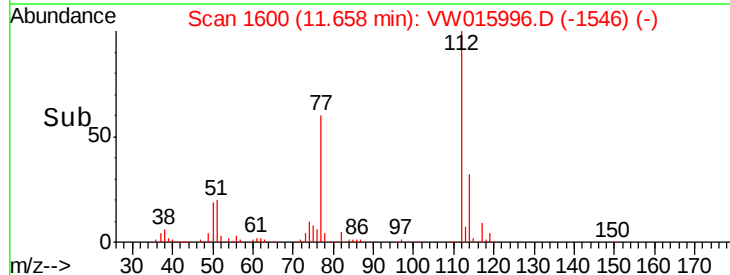
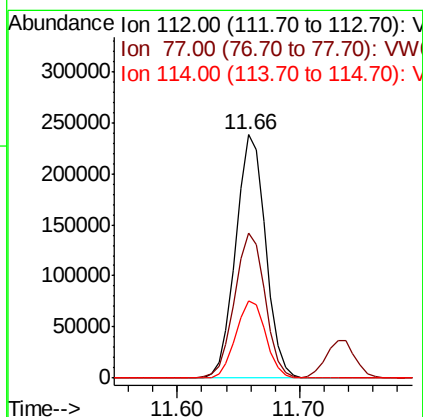
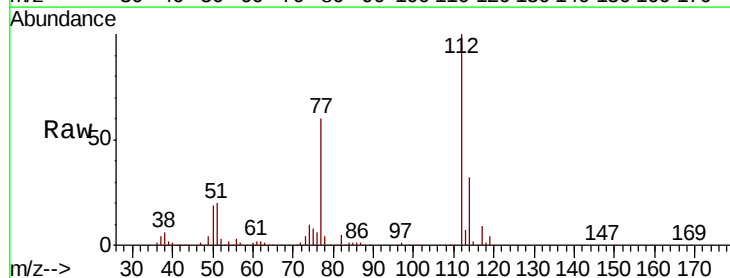
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

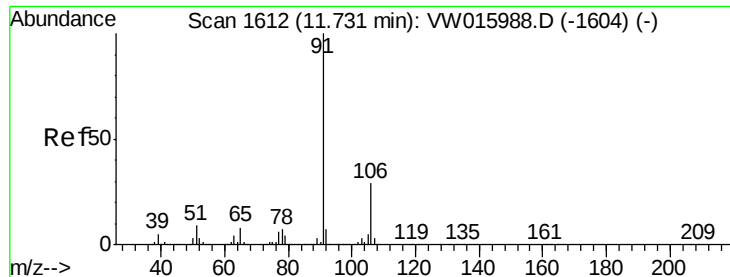
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.9	124.3
188	3.3	3.2	4.8



#52
 Chlorobenzene
 Concen: 25.772 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.8	47.8	71.6
114	31.6	22.1	41.1

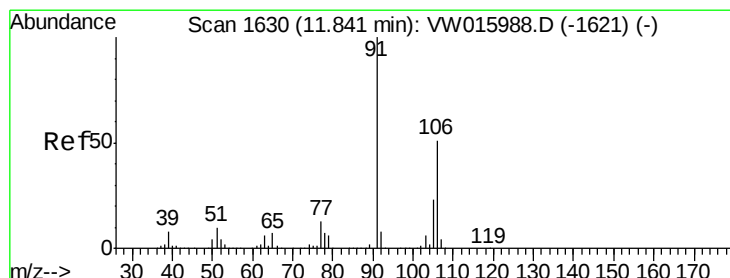
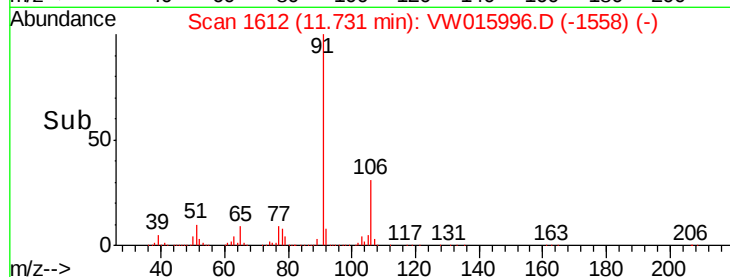
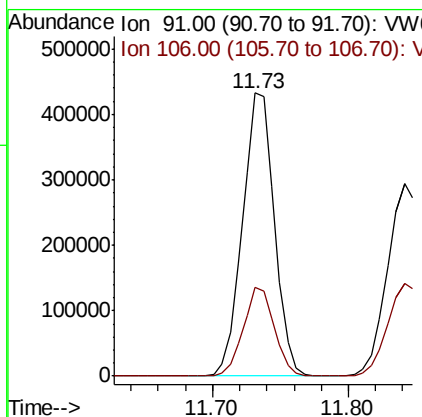
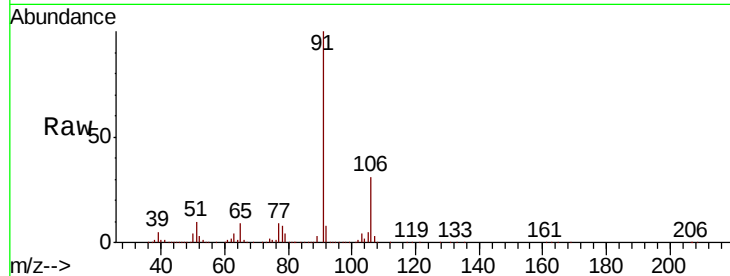




#53
Ethylbenzene
Concen: 25.850 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

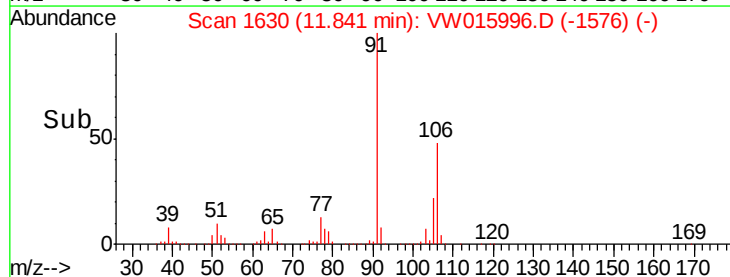
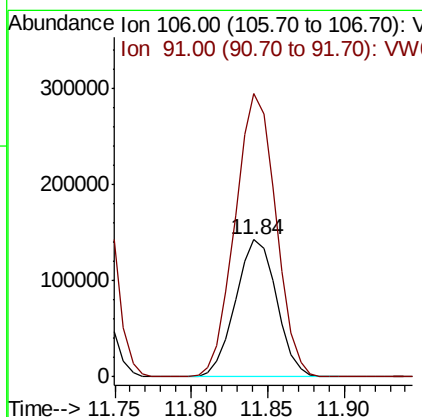
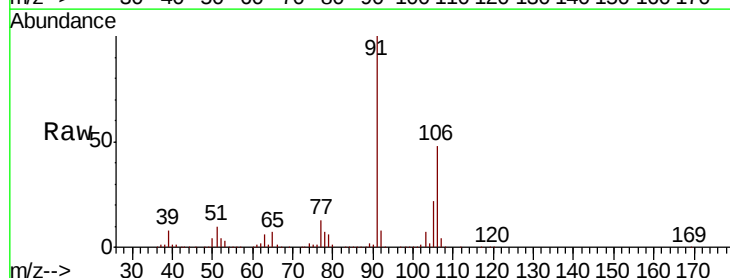
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

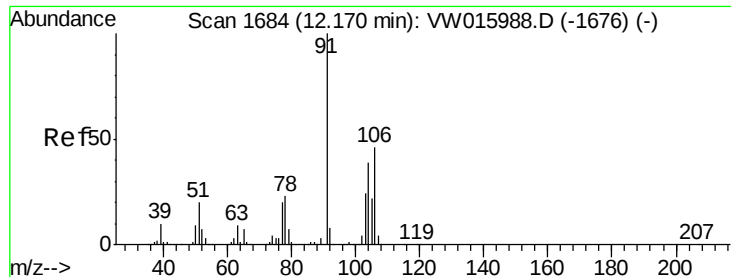
Tot Ion: 91 Resp: 707674
Ion Ratio Lower Upper
91 100
106 31.4 22.4 41.6



#54
m,p-Xylene
Concen: 25.898 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015996.D
Acq: 29 Jul 2020 18:13

Tgt Ion: 106 Resp: 265256
Ion Ratio Lower Upper
106 100
91 206.4 144.1 267.5





#55

o-xylene

Concen: 25.985 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleID :

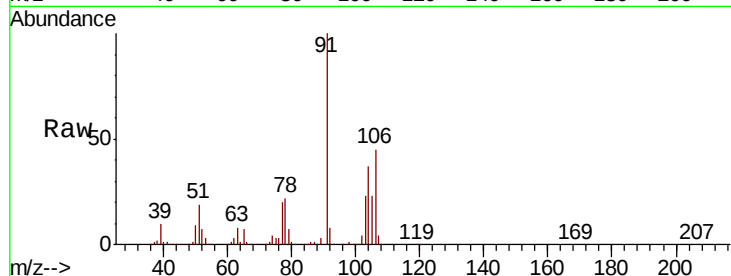
VSTD02518

Tot Ion:106 Resp: 250616

Ion Ratio Lower Upper

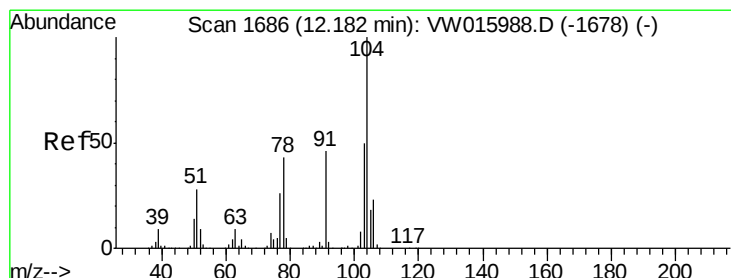
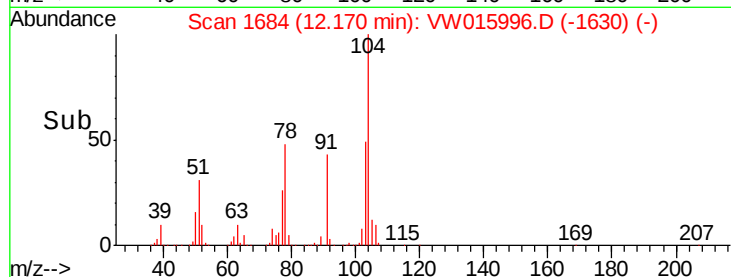
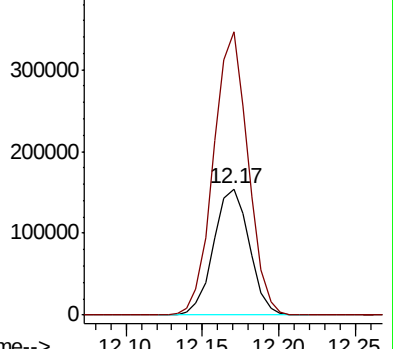
106 100

91 223.9 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.054 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015996.D

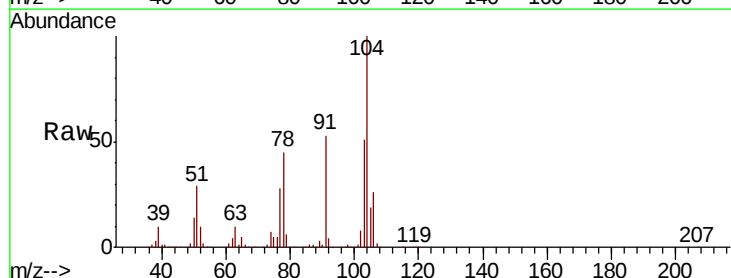
Acq: 29 Jul 2020 18:13

Tgt Ion:104 Resp: 443725

Ion Ratio Lower Upper

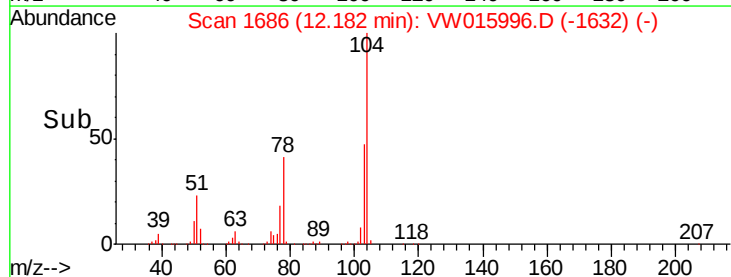
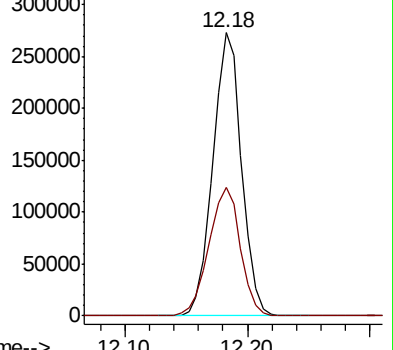
104 100

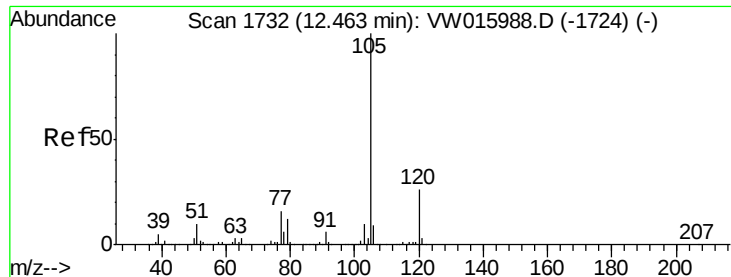
78 45.2 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.332 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

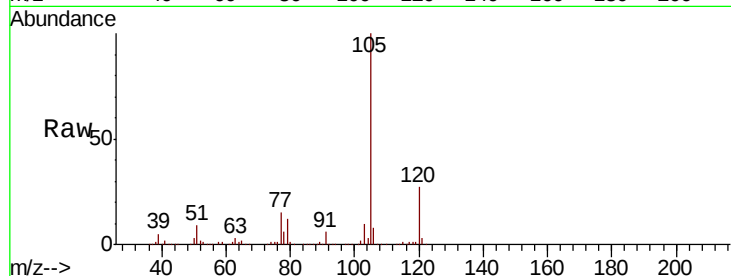
Tot Ion:105 Resp: 691341

Ion Ratio Lower Upper

105 100

120 26.7 20.4 30.6

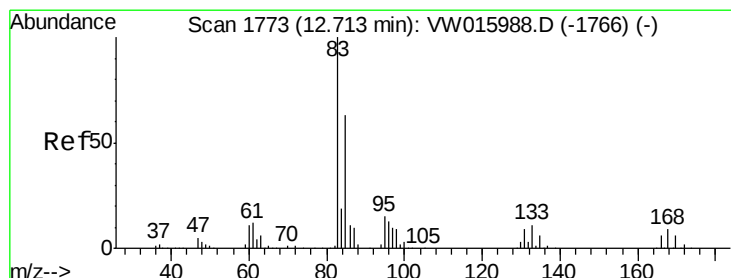
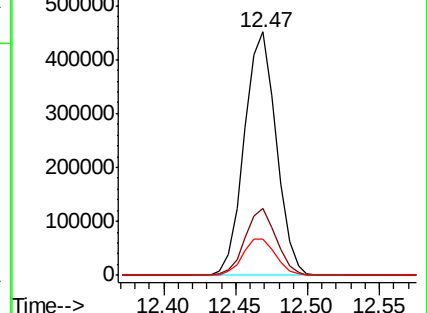
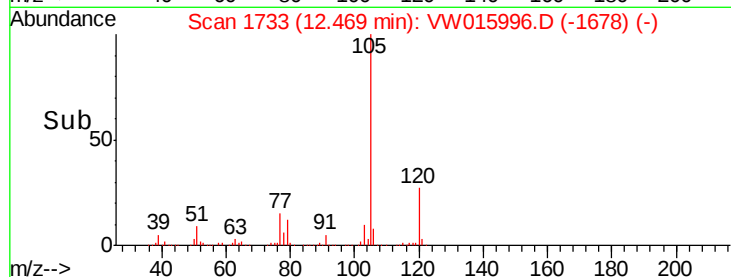
77 15.8 12.9 19.3



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: 29.366 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

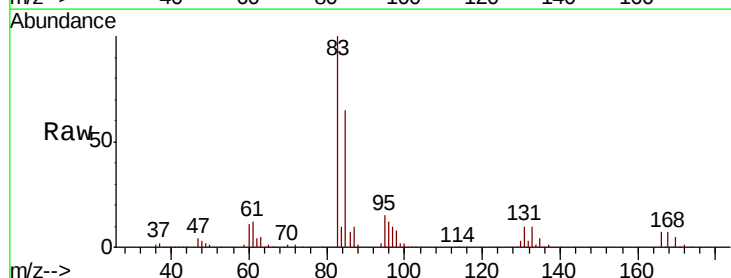
Tgt Ion: 83 Resp: 142594

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

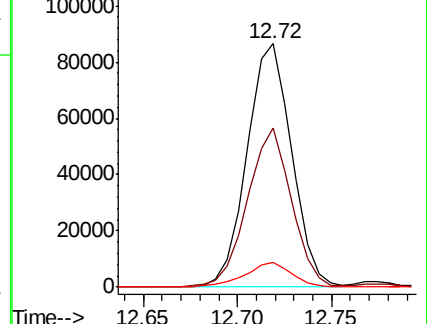
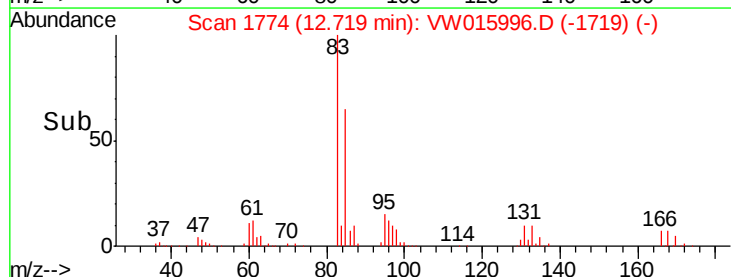
131 10.1 8.2 12.4

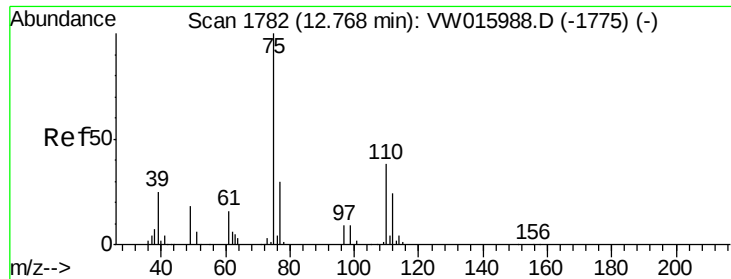


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.994 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

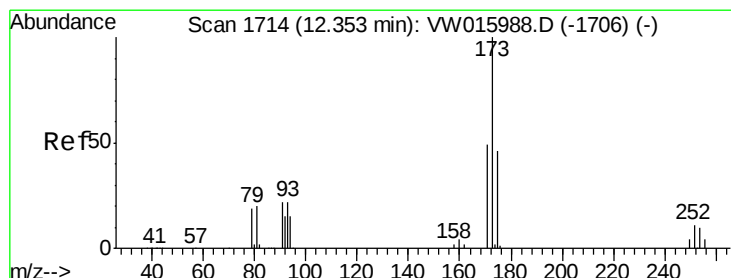
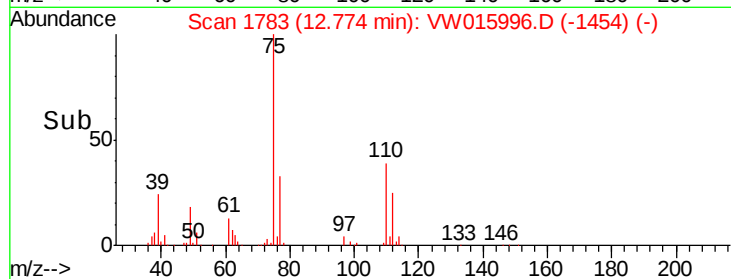
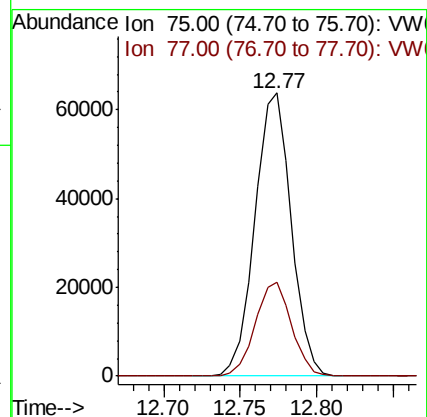
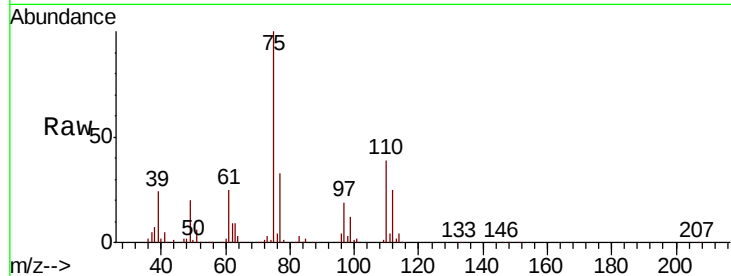
VSTD02518

Tot Ion: 75 Resp: 105486

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0



#62

Bromoform

Concen: 25.745 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

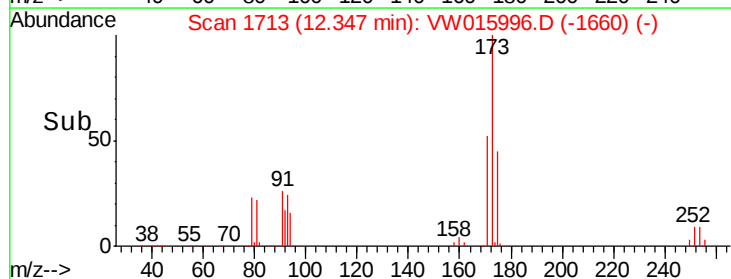
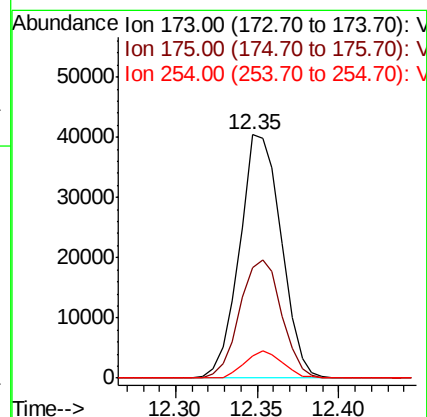
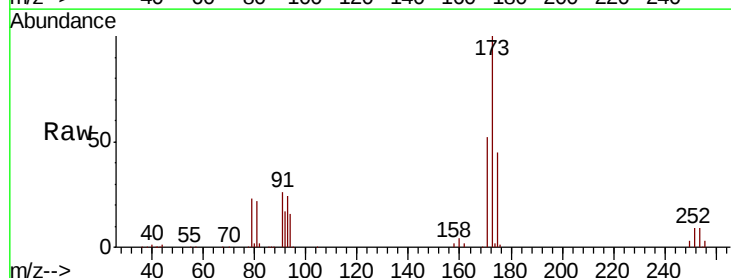
Tgt Ion: 173 Resp: 72087

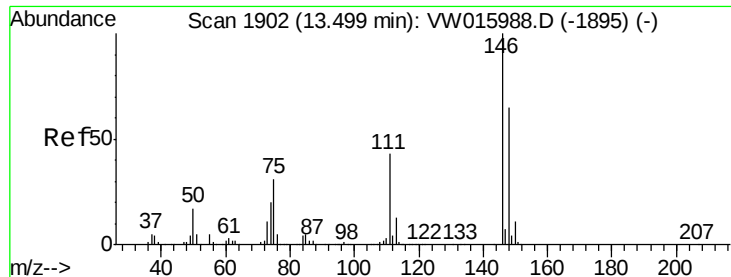
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 9.7 7.9 11.9

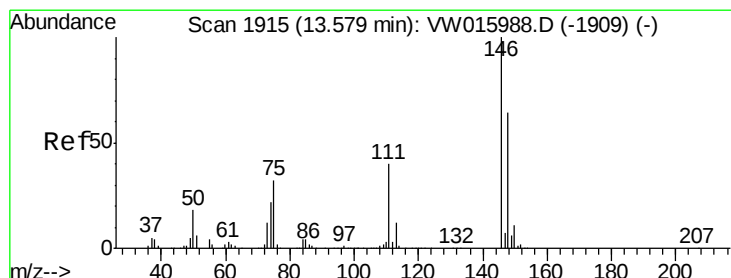
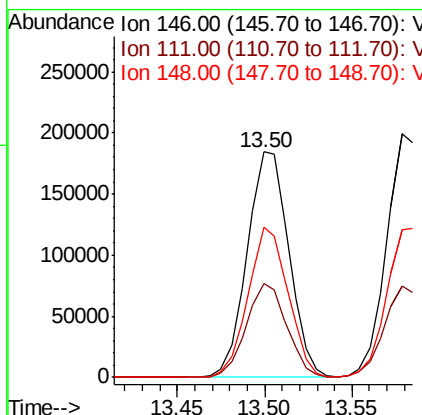
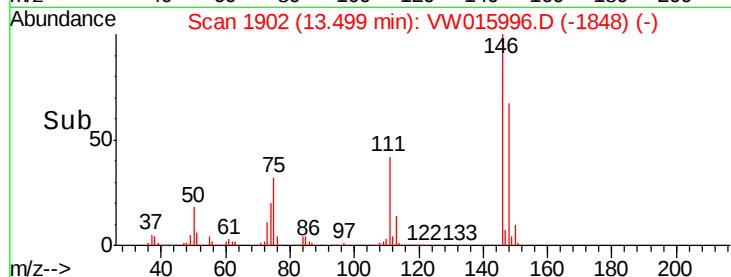
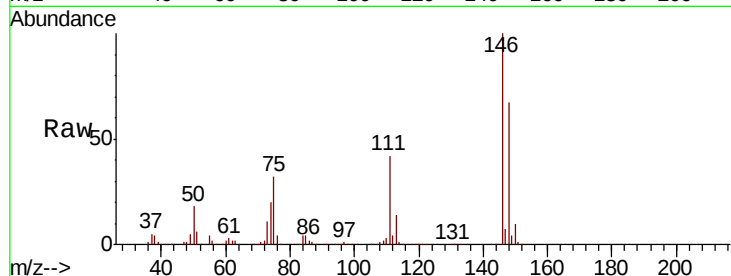




#63
 1,3-Dichlorobenzene
 Concen: 25.115 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

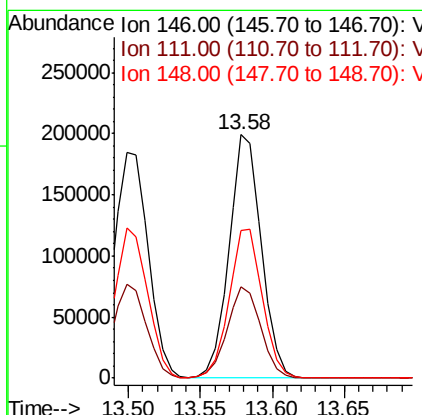
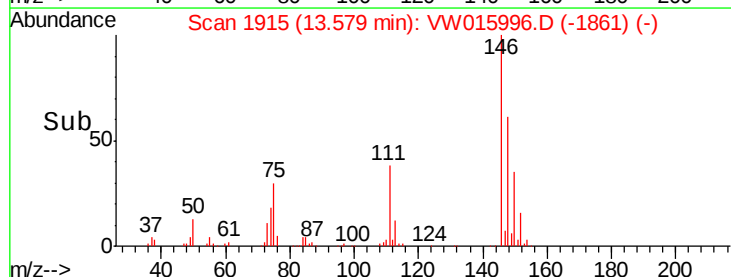
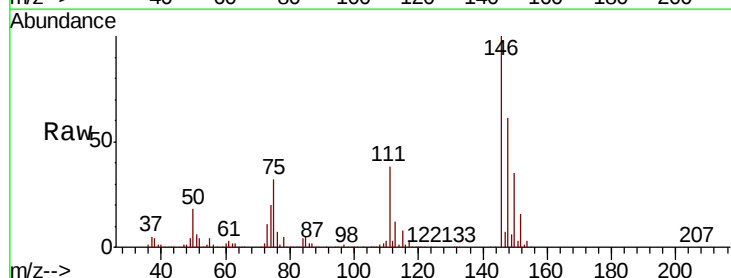
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

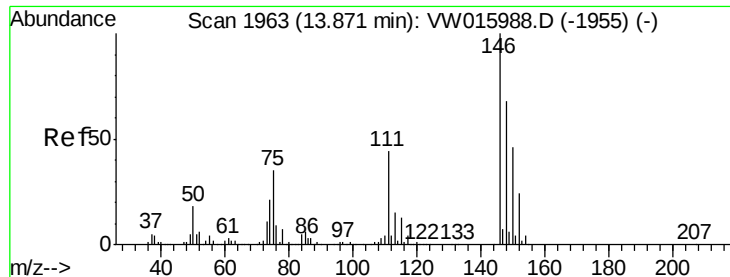
Tot Ion:146 Resp: 305958
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.9 51.7
 148 66.7 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 25.252 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion:146 Resp: 312203
 Ion Ratio Lower Upper
 146 100
 111 37.5 29.3 54.3
 148 60.8 44.5 82.7

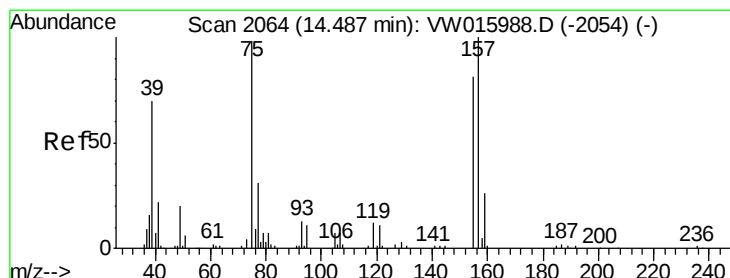
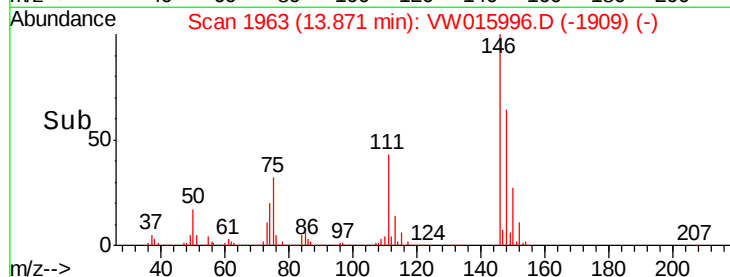
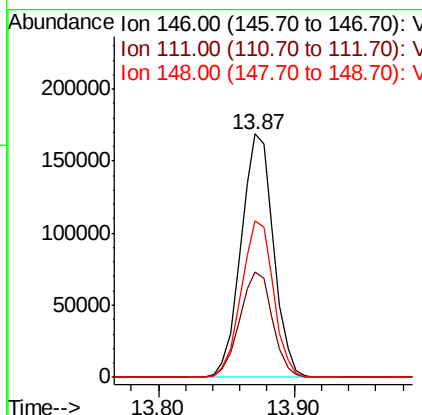
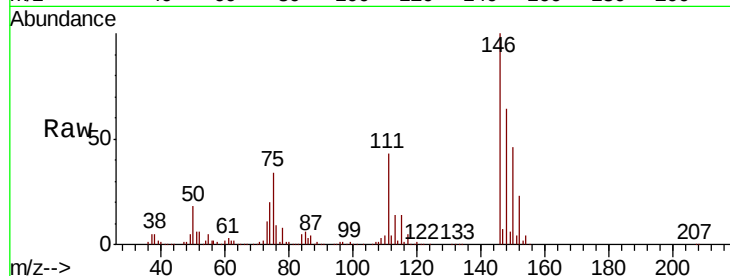




#65
 1,2-Dichlorobenzene
 Concen: 25.286 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

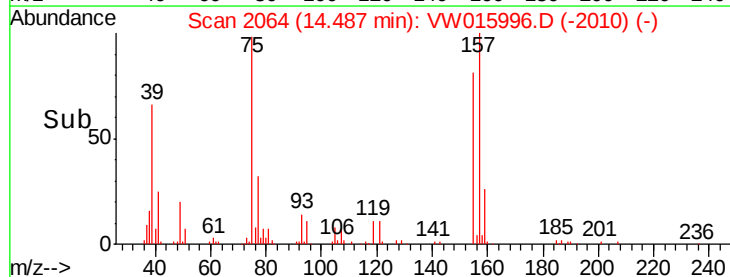
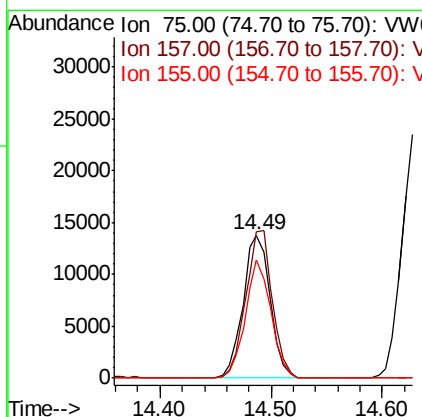
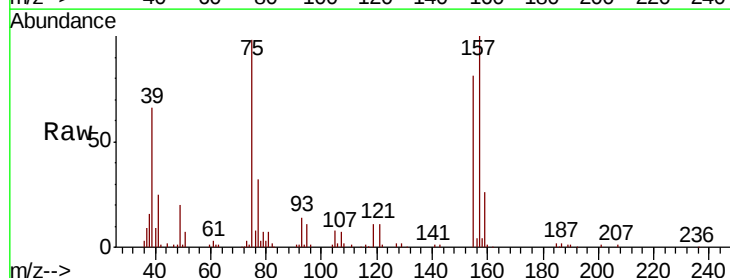
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

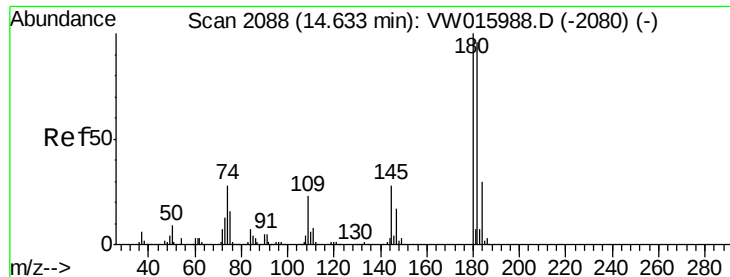
Tot Ion:146 Resp: 279805
 Ion Ratio Lower Upper
 146 100
 111 43.3 32.9 49.3
 148 64.2 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.042 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion: 75 Resp: 23355
 Ion Ratio Lower Upper
 75 100
 157 102.4 83.0 124.4
 155 82.9 66.9 100.3

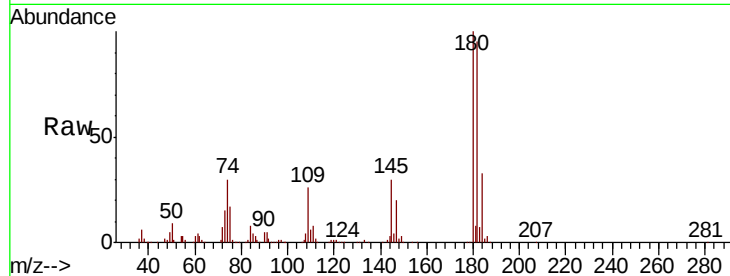




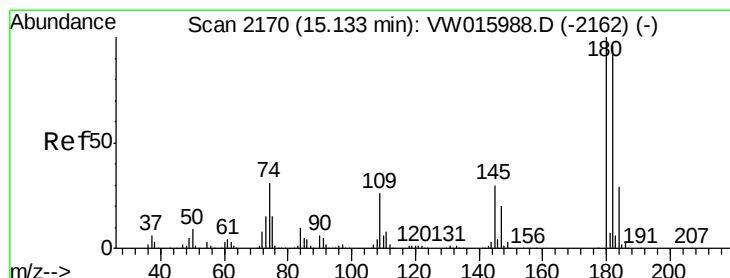
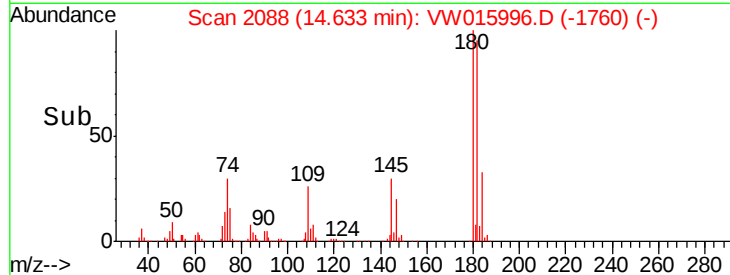
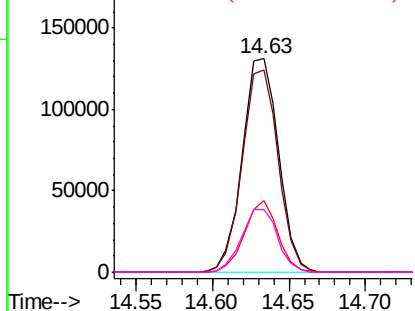
#67
 1,3,5-Trichlorobenzene
 Concen: 25.253 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion:180	Resp:	216313
Ion	Ratio	Lower Upper
180	100	
182	93.8	75.4 113.0
184	30.6	24.6 37.0
145	29.5	24.1 36.1

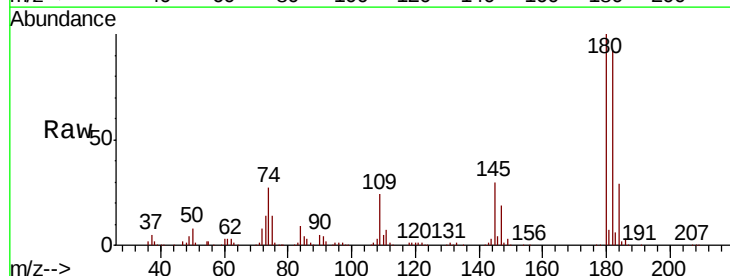


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

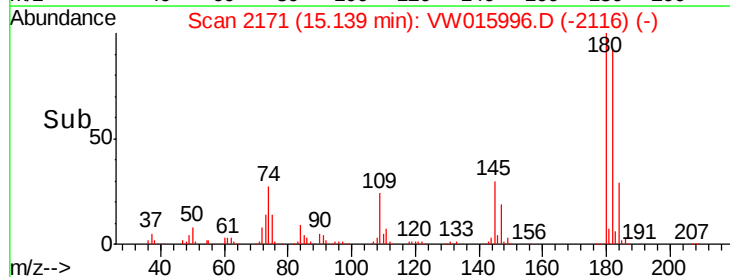
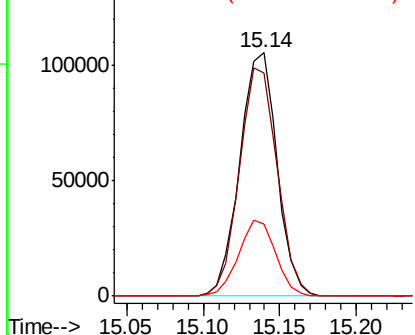


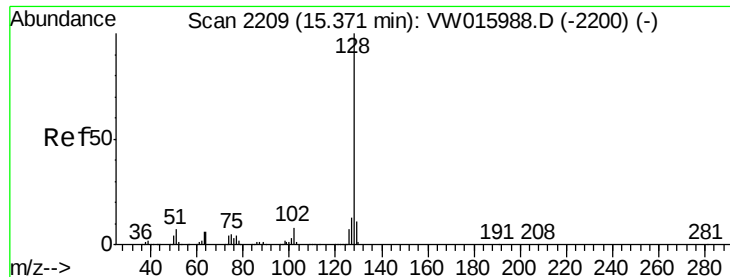
#68
 1,2,4-trichlorobenzene
 Concen: 26.275 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015996.D
 Acq: 29 Jul 2020 18:13

Tgt Ion:180	Resp:	178770
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.0 114.0
145	30.9	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





#69

Naphthalene

Concen: 28.154 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

Instrument :

MSVOA_W

ClientSampled :

VSTD02518

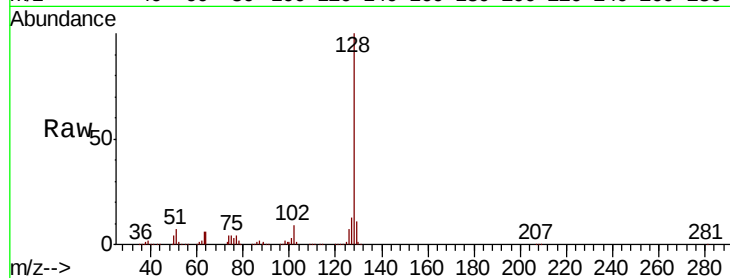
Tot Ion:128 Resp: 360876

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

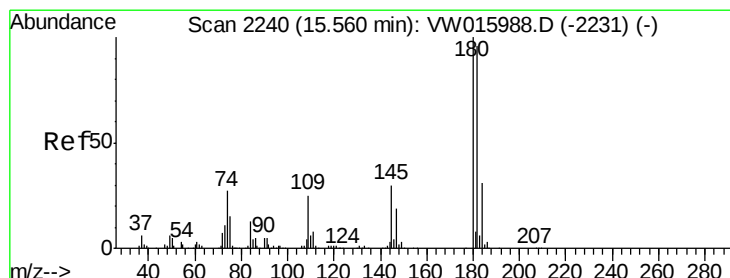
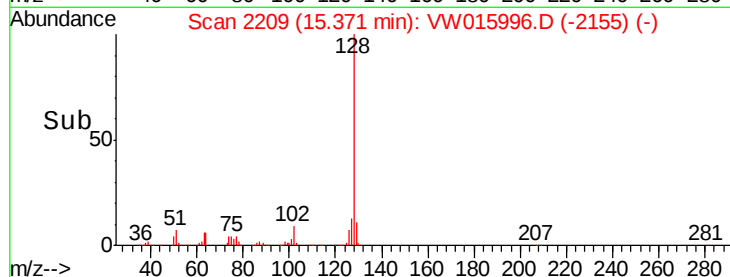
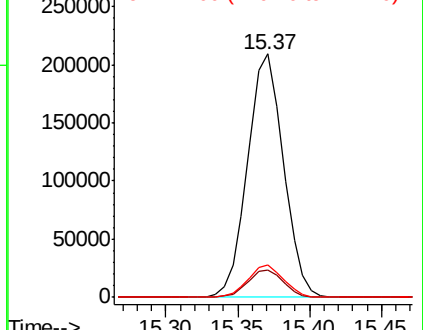
127 13.2 10.5 15.7



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: 26.820 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015996.D

Acq: 29 Jul 2020 18:13

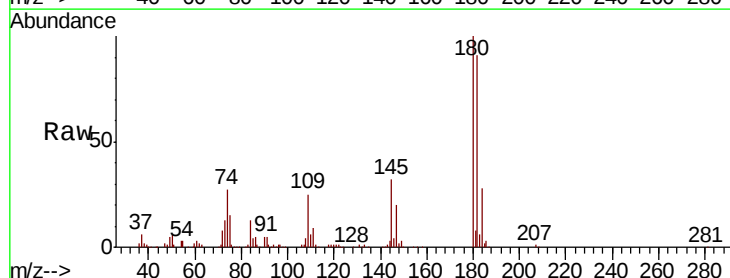
Tgt Ion:180 Resp: 162590

Ion Ratio Lower Upper

180 100

182 94.5 74.0 111.0

145 32.9 25.9 38.9



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

