

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092220\
 Data File : VW016602.D
 Acq On : 21 Sep 2020 18:03
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

Quant Time: Sep 22 03:01:59 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M

Quant Title : SFAM01.0

QLast Update : Tue Sep 22 02:54:10 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	535138	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	481185	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	249532	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	144672	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
7) Chloroethane-d5	2.90	69	116756	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.16%
11) 1,1-Dichloroethene-d2	4.03	63	299216	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.88%
21) 2-Butanone-d5	7.09	46	76040	56.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.50%
24) Chloroform-d	7.65	84	306680	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	8.31	65	160108	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.48%
32) Benzene-d6	8.28	84	570432	23.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.84%
36) 1,2-Dichloropropane-d6	9.28	67	161385	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
41) Toluene-d8	10.33	98	547749	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	10.58	79	79569	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.08%
47) 2-Hexanone-d5	10.93	63	59904	56.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.64%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	141620	26.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.68%
66) 1,2-Dichlorobenzene-d4	13.86	152	215226	23.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	161914	25.093	ug/L 90
3) Chloromethane	2.23	50	130268	25.475	ug/L 97
5) Vinyl chloride	2.38	62	194741	26.567	ug/L 98
6) Bromomethane	2.79	94	144857	25.724	ug/L 96
8) Chloroethane	2.94	64	118373	27.166	ug/L 98
9) Trichlorofluoromethane	3.28	101	183616	26.410	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.09	101	186082	26.963	ug/L 97
12) 1,1-Dichloroethene	4.05	96	181925	26.356	ug/L 96
13) Acetone	4.14	43	52108	57.138	ug/L 97
14) Carbon disulfide	4.40	76	514529	25.102	ug/L 99
15) Methyl Acetate	4.68	43	67057	29.956	ug/L 98
16) Methylene chloride	4.93	84	184873	23.573	ug/L 93
17) trans-1,2-Dichloroethene	5.43	96	189184	26.417	ug/L 96
18) Methyl tert-butyl Ether	5.44	73	253440	28.811	ug/L 99
19) 1,1-Dichloroethane	6.23	63	306033	26.978	ug/L 100
20) cis-1,2-Dichloroethene	7.18	96	201672	27.092	ug/L 95
22) 2-Butanone	7.18	43	85902	55.401	ug/L 98

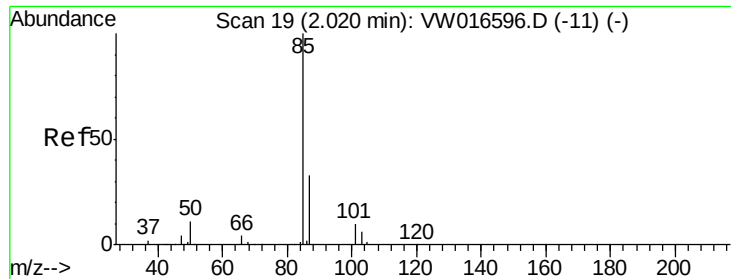
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV092220\
 Data File : WV016602.D
 Acq On : 21 Sep 2020 18:03
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
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Quant Time: Sep 22 03:01:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Sep 22 02:54:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	96983	27.711	ug/L	94
25) Chloroform	7.68	83	335352	27.022	ug/L	99
27) 1,2-Dichloroethane	8.40	62	212812	27.618	ug/L	98
29) Cyclohexane	7.96	56	269702	25.105	ug/L	100
30) 1,1,1-Trichloroethane	7.88	97	304164	26.529	ug/L	99
31) Carbon tetrachloride	8.08	117	295752	26.489	ug/L	99
33) Benzene	8.33	78	691993	25.960	ug/L	100
34) Trichloroethene	9.10	95	202503	26.484	ug/L	98
35) Methylcyclohexane	9.34	83	334018	26.152	ug/L	100
37) 1,2-Dichloropropane	9.37	63	162115	26.672	ug/L	100
38) Bromodichloromethane	9.65	83	245655	27.254	ug/L	98
39) cis-1,3-Dichloropropene	10.08	75	276141	26.615	ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	194435	57.093	ug/L	100
42) Toluene	10.39	91	793601	26.426	ug/L	97
44) trans-1,3-Dichloropropene	10.61	75	243129	27.322	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	137219	27.795	ug/L	97
46) Tetrachloroethene	10.87	164	185667	26.919	ug/L	97
48) 2-Hexanone	10.97	43	129831	61.310	ug/L	99
49) Dibromochloromethane	11.13	129	182728	28.199	ug/L	100
50) 1,2-Dibromoethane	11.24	107	137822	28.188	ug/L	95
51) Chlorobenzene	11.66	112	526677	26.447	ug/L	99
52) Ethylbenzene	11.73	91	894014	26.440	ug/L	98
53) m,p-Xylene	11.84	106	353543	26.840	ug/L	97
54) o-Xylene	12.17	106	335449	26.906	ug/L	98
55) Styrene	12.18	104	564557	27.196	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.72	83	154877	29.139	ug/L	97
59) Bromoform	12.35	173	110725	27.487	ug/L	97
60) Isopropylbenzene	12.46	105	930242	25.534	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	112418	27.338	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	769525	25.667	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	758050	25.440	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	427007	25.539	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	420767	25.659	ug/L	95
67) 1,2-Dichlorobenzene	13.87	146	385699	26.074	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	27281	28.224	ug/L	91
69) 1,3,5-Trichlorobenzene	14.63	180	323259	26.194	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	272033	27.294	ug/L	98
71) Naphthalene	15.36	128	493082	29.480	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	229306	27.402	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 25.093 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

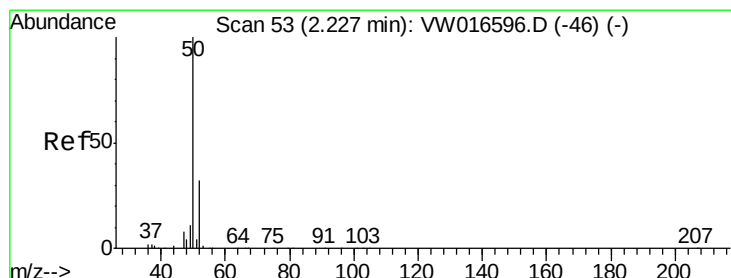
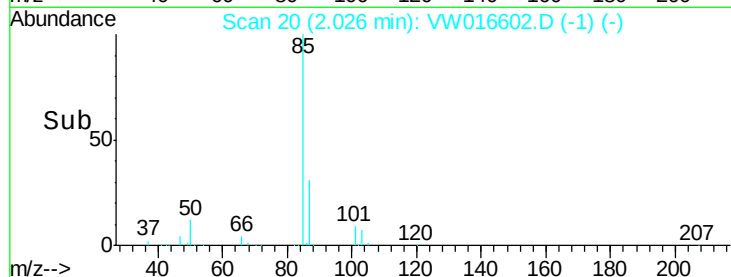
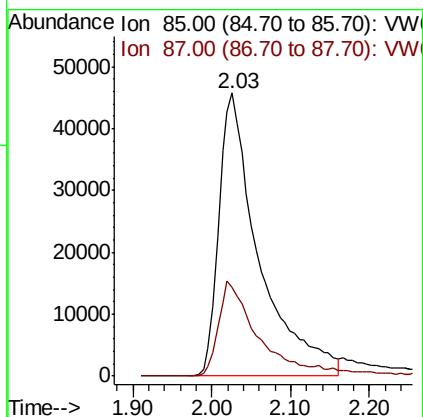
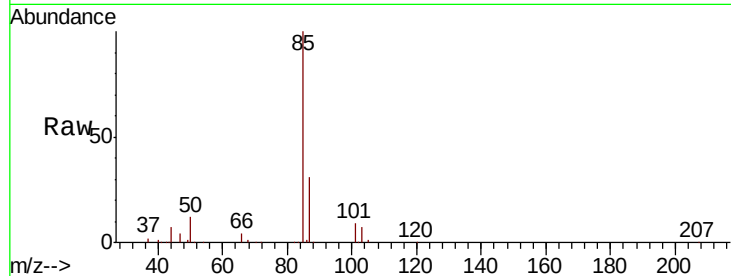
VSTD025110

Tot Ion: 85 Resp: 161914

Ion Ratio Lower Upper

85 100

87 31.8 21.4 32.0



#3

Chloromethane

Concen: 25.475 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016602.D

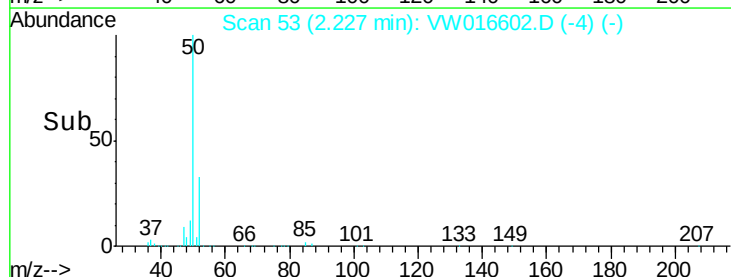
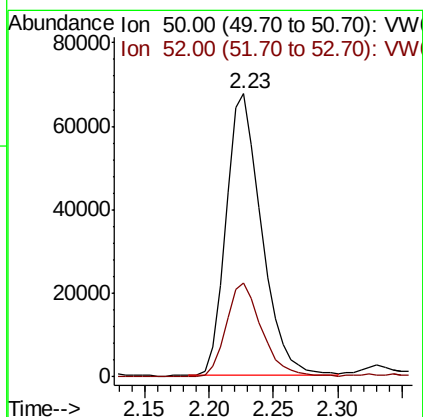
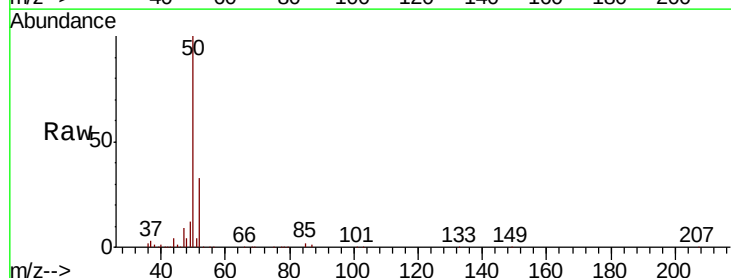
Acq: 21 Sep 2020 18:03

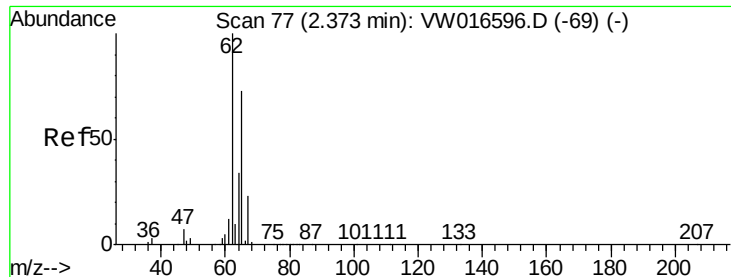
Tgt Ion: 50 Resp: 130268

Ion Ratio Lower Upper

50 100

52 33.4 22.1 41.1





#5

Vinyl chloride

Concen: 26.567 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

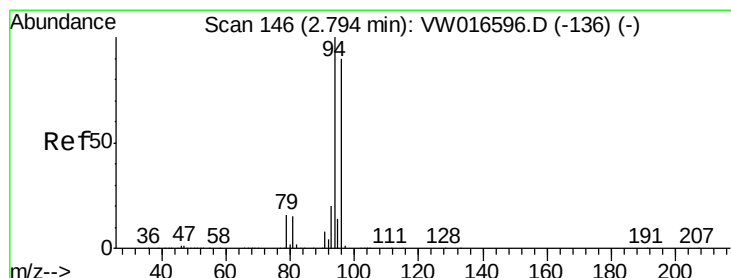
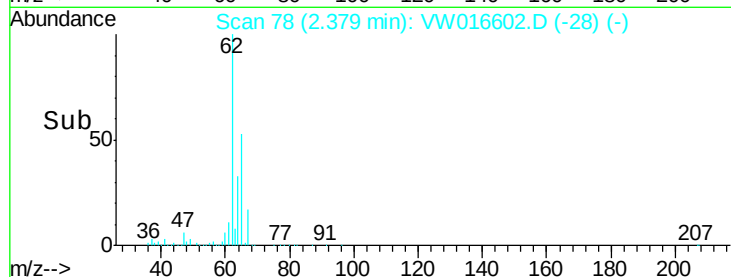
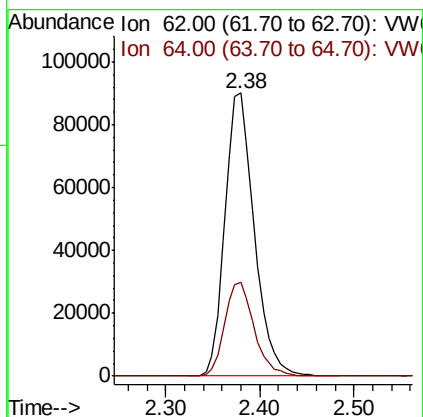
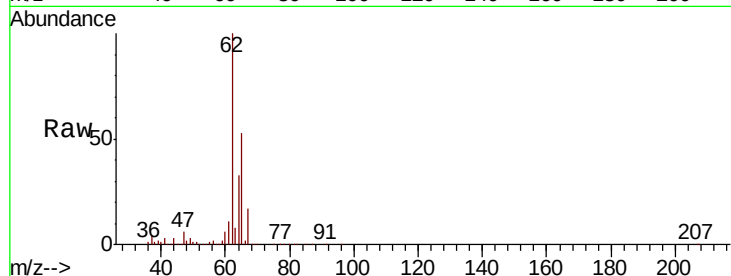
VSTD025110

Tot Ion: 62 Resp: 194741

Ion Ratio Lower Upper

62 100

64 33.4 24.1 44.7



#6

Bromomethane

Concen: 25.724 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016602.D

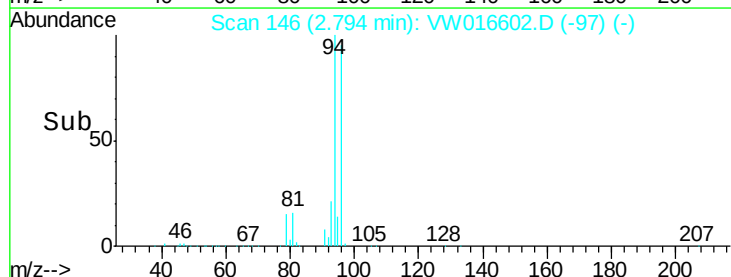
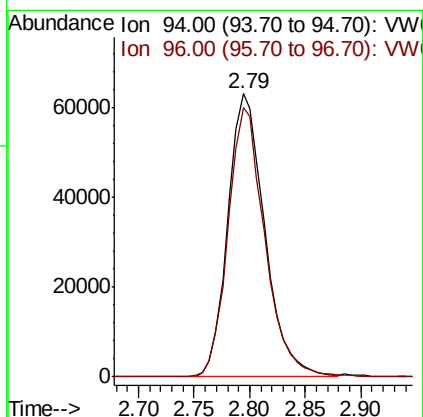
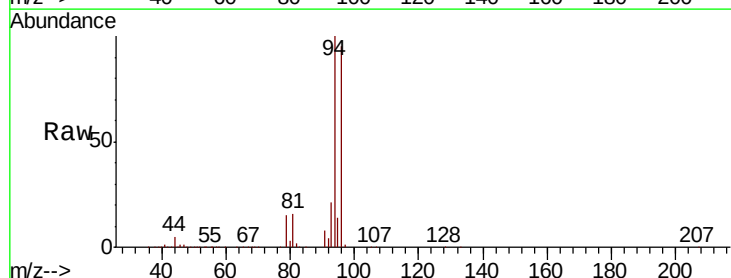
Acq: 21 Sep 2020 18:03

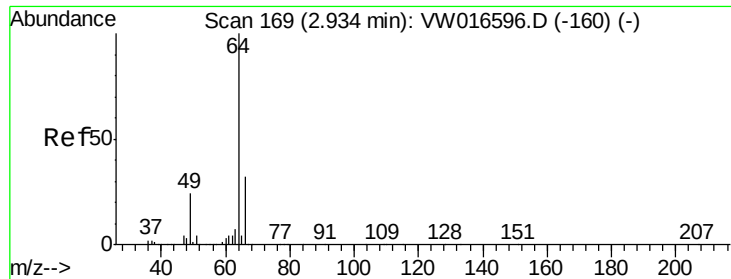
Tgt Ion: 94 Resp: 144857

Ion Ratio Lower Upper

94 100

96 95.3 64.2 119.2





#8

Chloroethane

Concen: 27.166 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

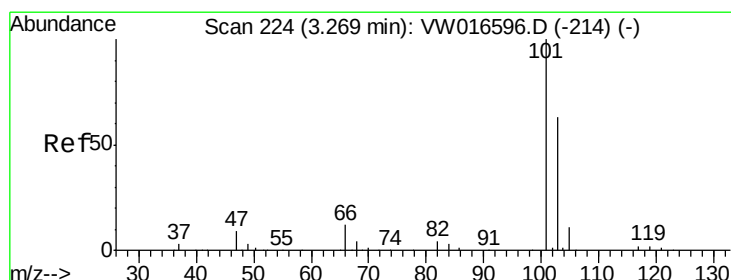
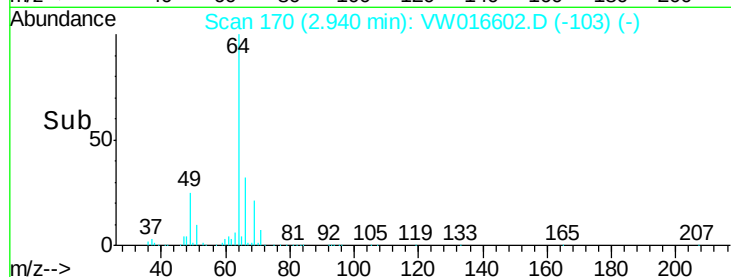
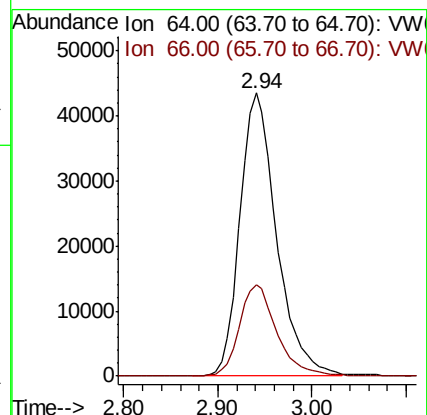
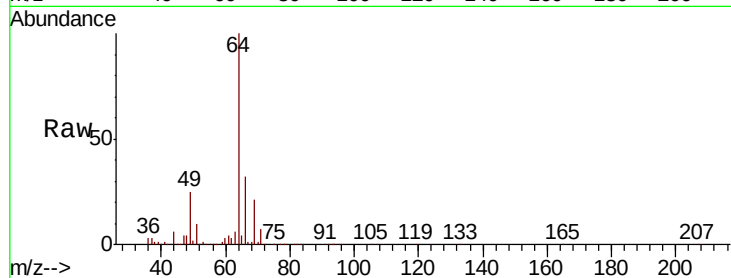
VSTD025110

Tot Ion: 64 Resp: 118373

Ion Ratio Lower Upper

64 100

66 32.3 23.5 43.7



#9

Trichlorofluoromethane

Concen: 26.410 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016602.D

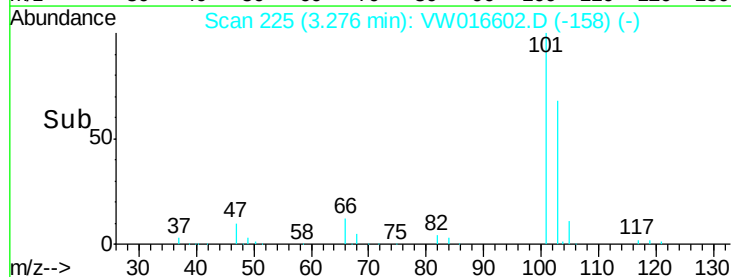
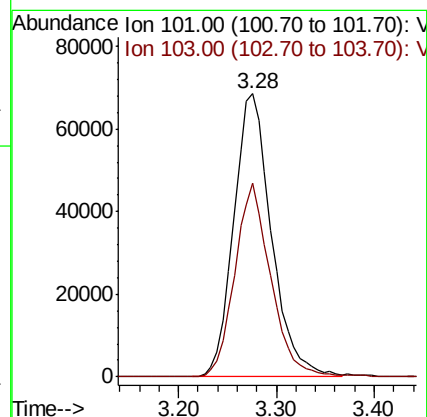
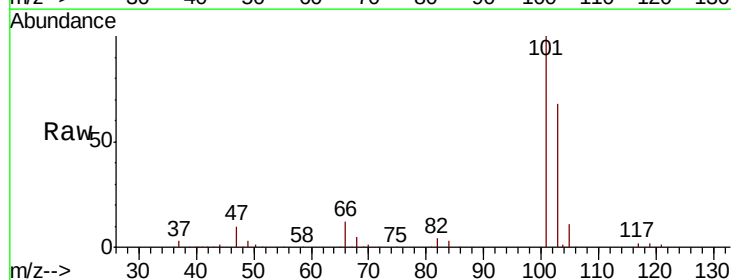
Acq: 21 Sep 2020 18:03

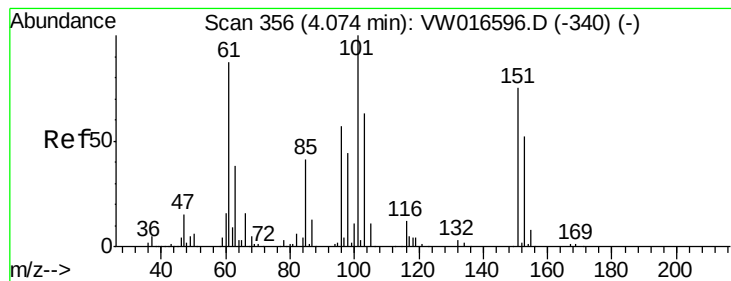
Tgt Ion: 101 Resp: 183616

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.8





#10

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

Concen: 26.963 ug/L

RT: 4.09 min Scan# 358

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD025110

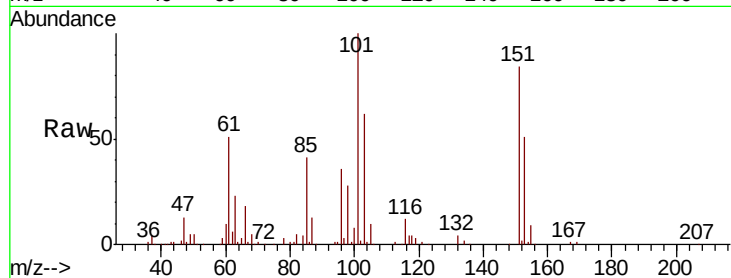
Tot Ion:101 Resp: 186082

Ion Ratio Lower Upper

101 100

85 43.0 32.2 48.2

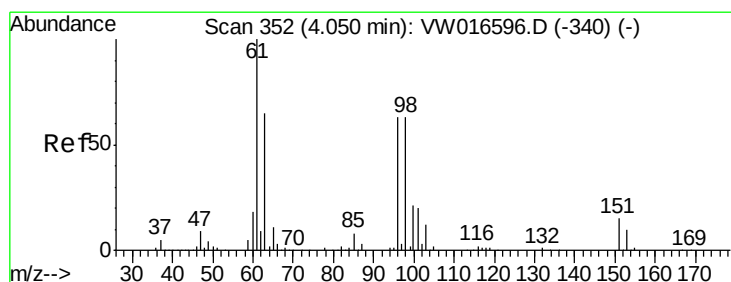
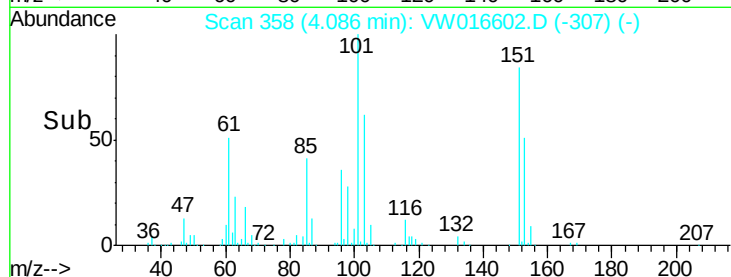
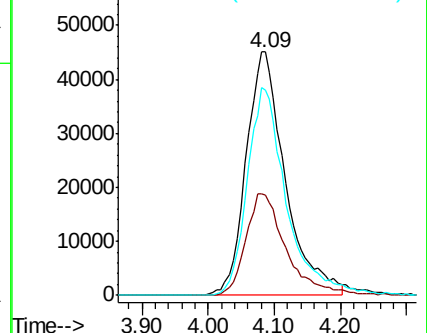
151 85.3 66.8 100.2



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: 26.356 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

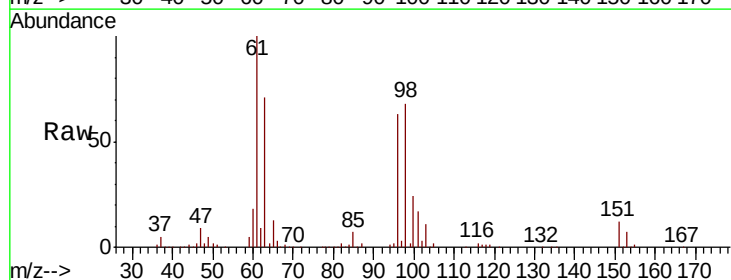
Tgt Ion: 96 Resp: 181925

Ion Ratio Lower Upper

96 100

61 157.9 112.1 208.3

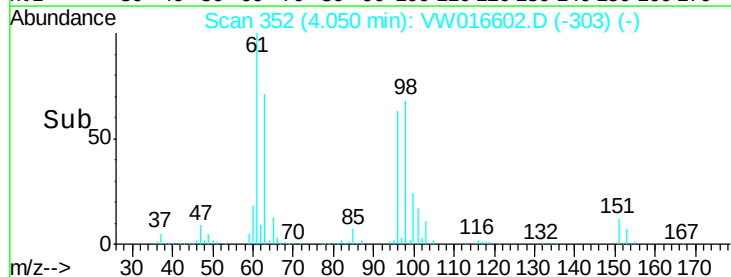
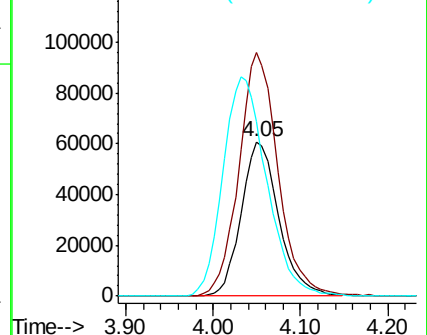
63 112.8 74.2 137.8

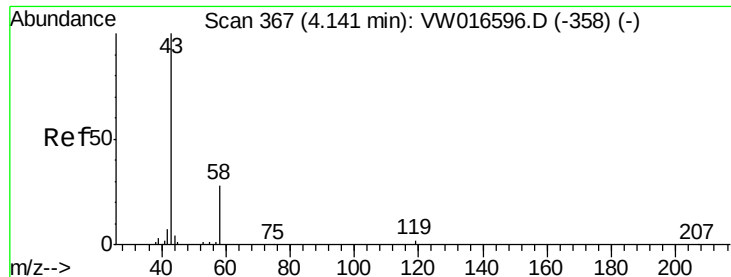


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.138 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

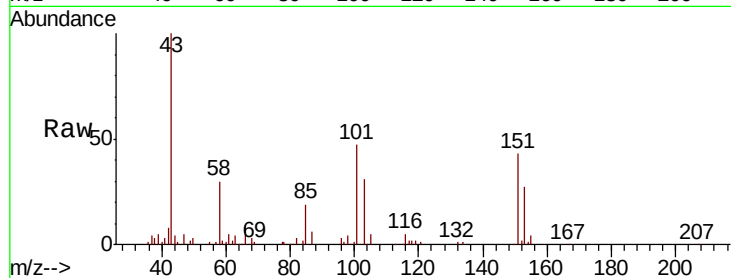
VSTD025110

Tot Ion: 43 Resp: 52108

Ion Ratio Lower Upper

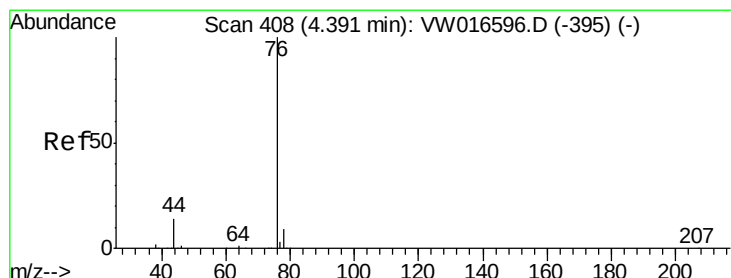
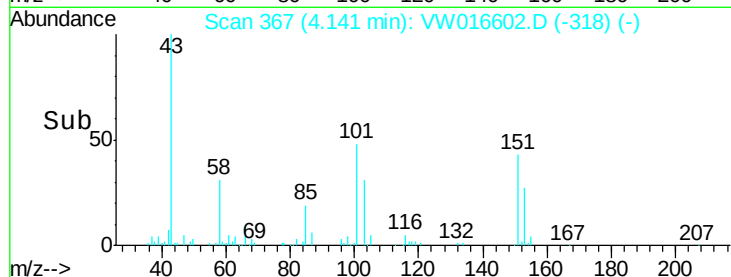
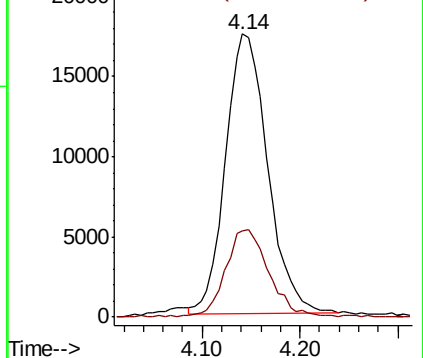
43 100

58 31.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.102 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016602.D

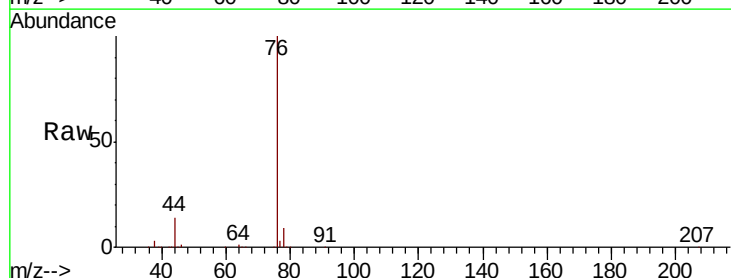
Acq: 21 Sep 2020 18:03

Tgt Ion: 76 Resp: 514529

Ion Ratio Lower Upper

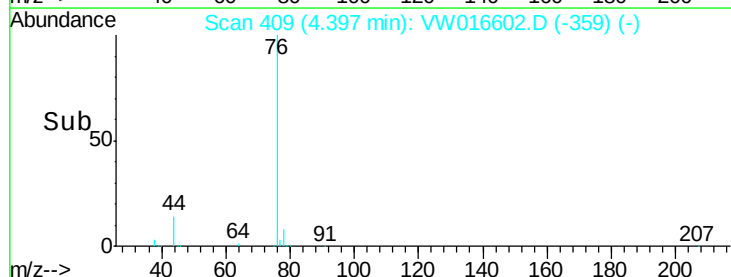
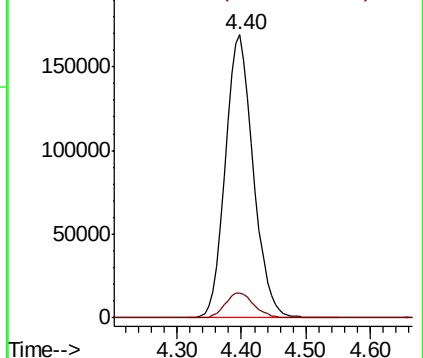
76 100

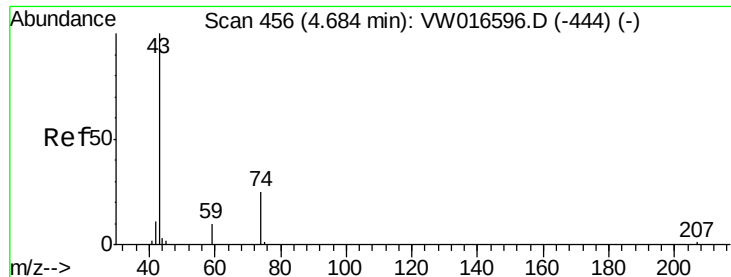
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

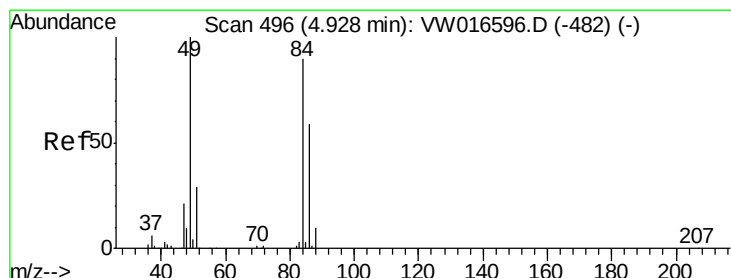
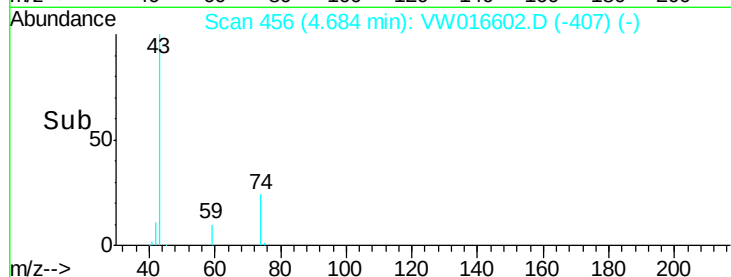
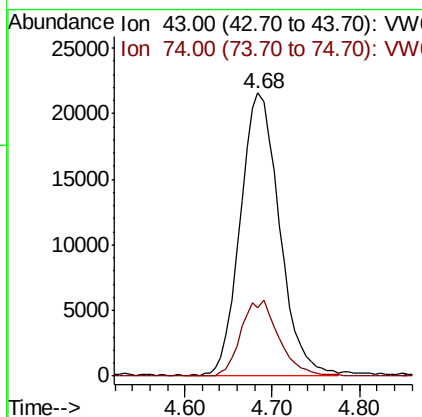
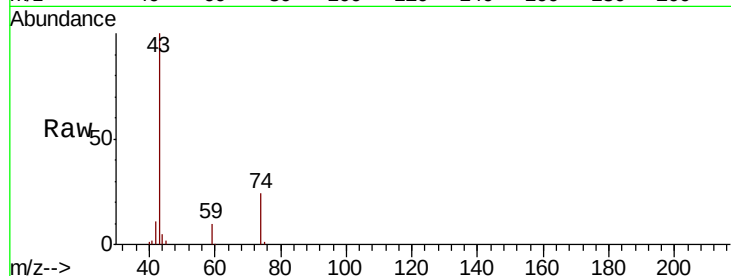




#15
Methvl Acetate
Concen: 29.956 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

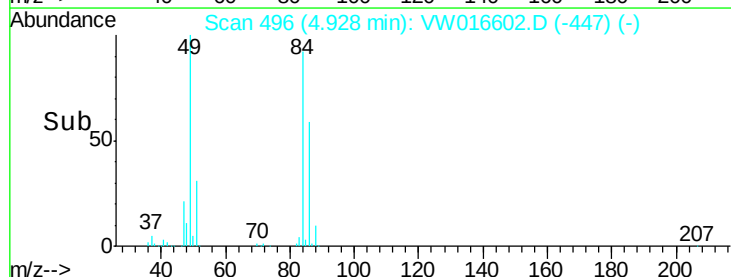
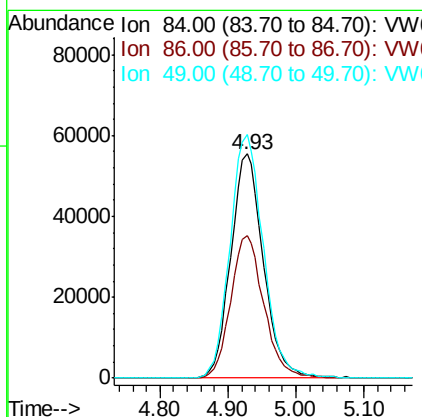
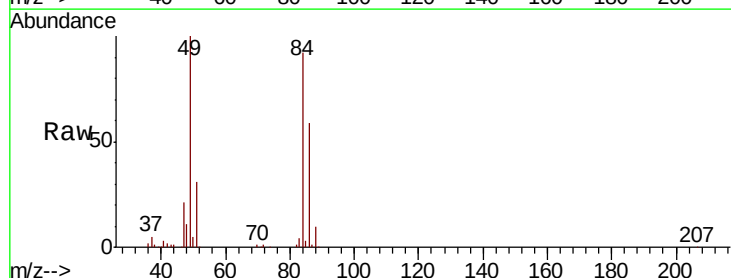
Instrument :
MSVOA_W
ClientSampleId :
VSTD025110

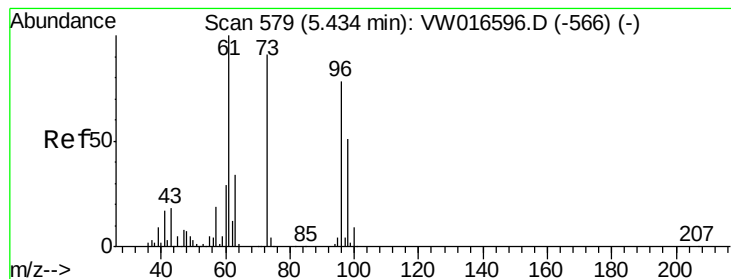
Tot Ion: 43 Resp: 67057
Ion Ratio Lower Upper
43 100
74 26.1 21.9 32.9



#16
Methylene chloride
Concen: 23.573 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Tgt Ion: 84 Resp: 184873
Ion Ratio Lower Upper
84 100
86 63.8 46.2 85.8
49 108.7 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 26.417 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD025110

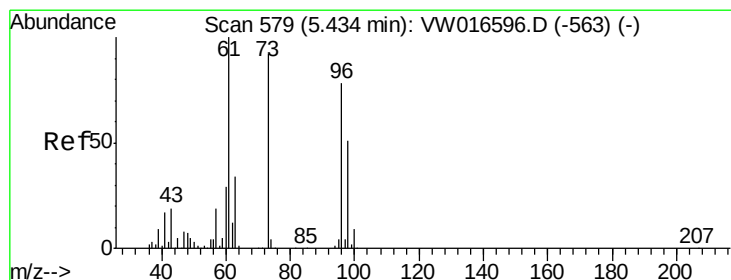
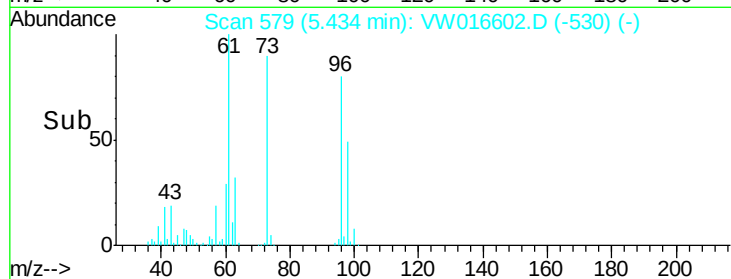
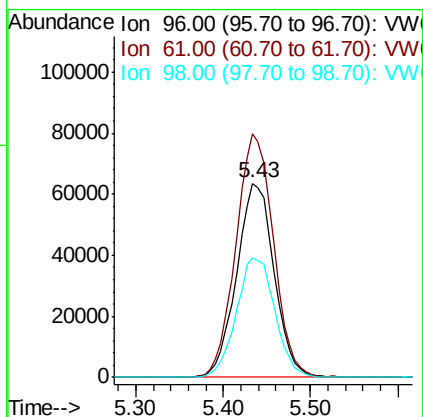
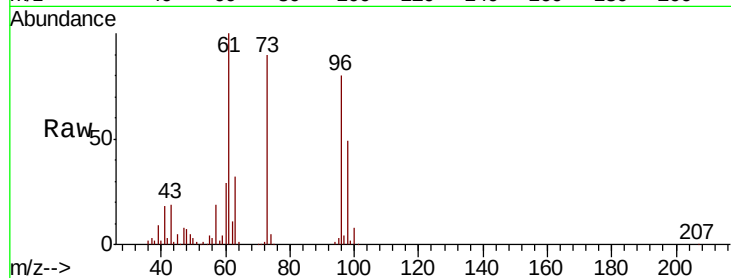
Tot Ion: 96 Resp: 189184

Ion Ratio Lower Upper

96 100

61 125.4 89.7 166.7

98 61.3 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 28.811 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

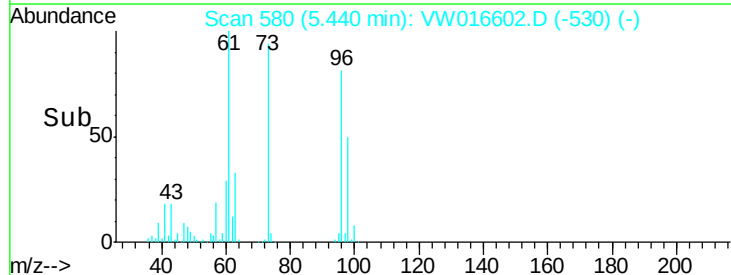
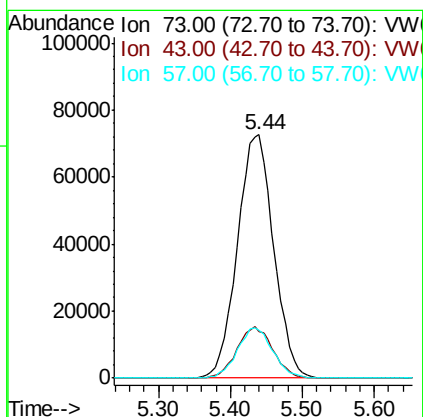
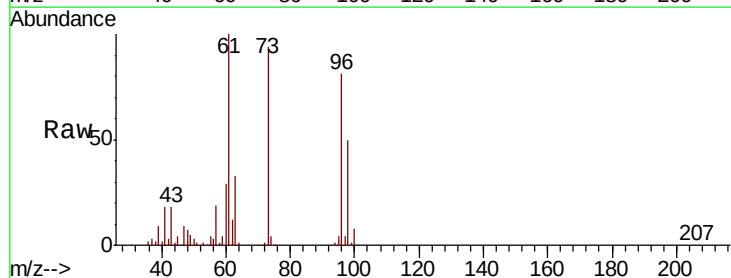
Tgt Ion: 73 Resp: 253440

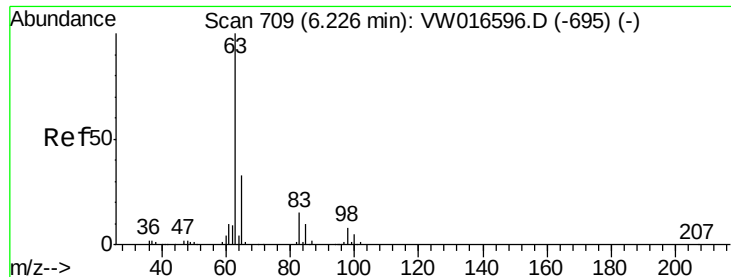
Ion Ratio Lower Upper

73 100

43 20.7 17.0 25.6

57 20.3 16.3 24.5

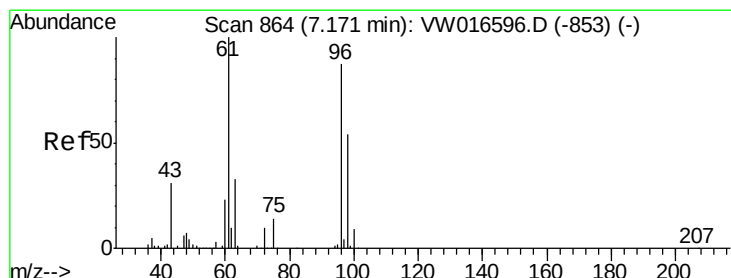
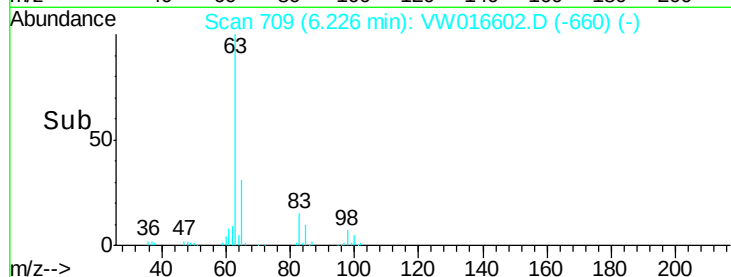
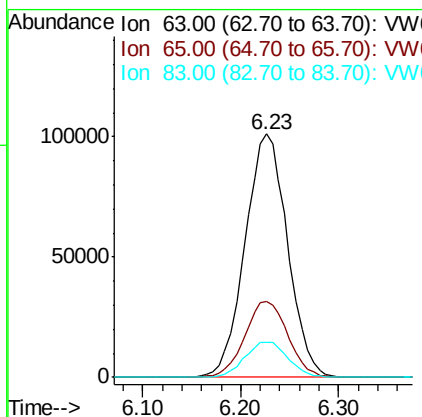
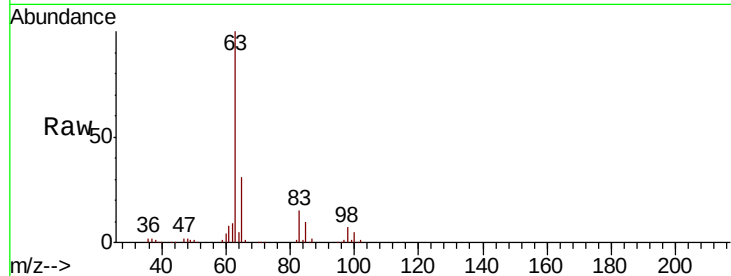




#19
 1,1-Dichloroethane
 Concen: 26.978 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

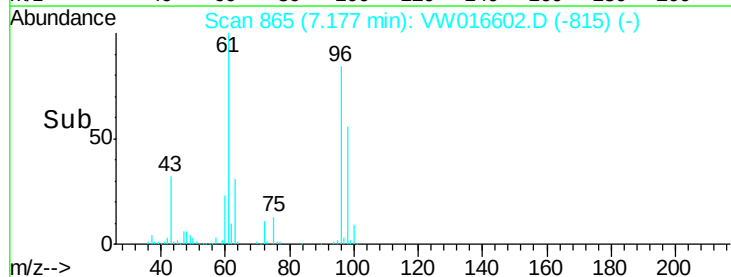
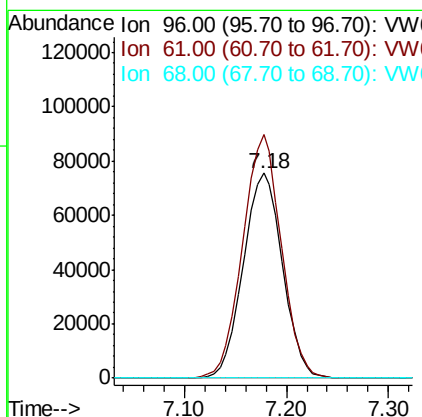
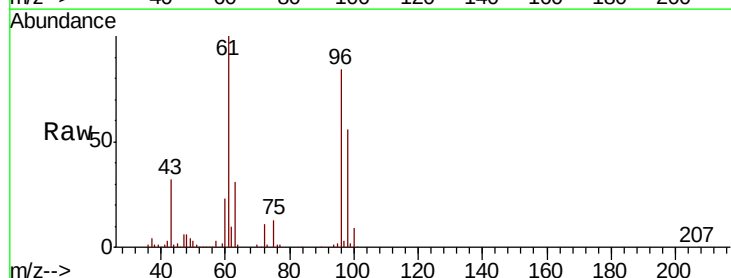
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD025110

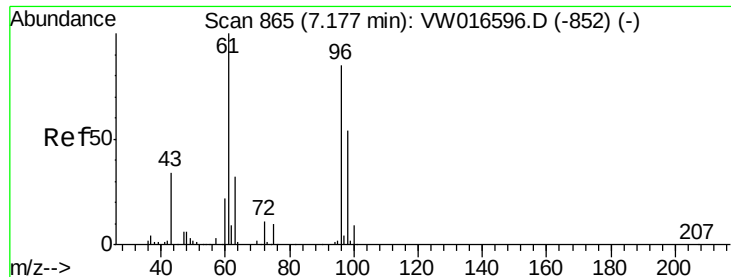
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.8	40.6
83	14.6	10.2	19.0



#20
 cis-1,2-Dichloroethene
 Concen: 27.092 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.9	79.2	147.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 55.401 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

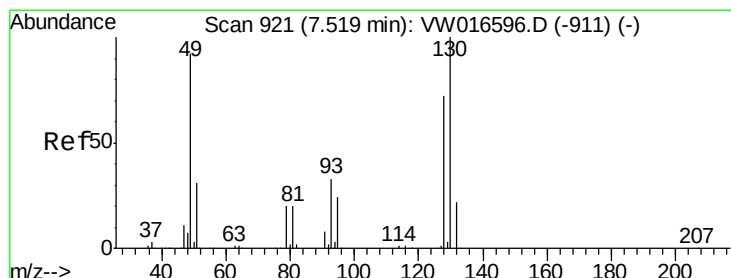
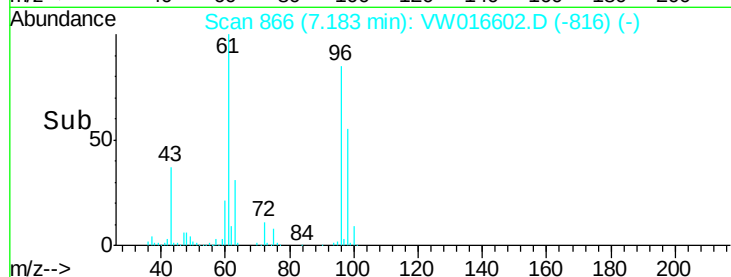
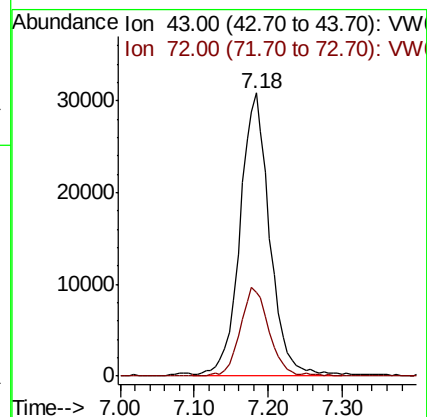
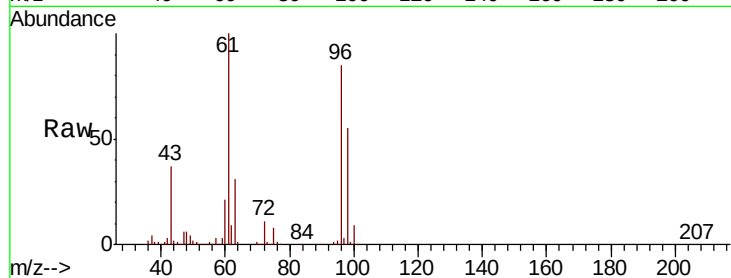
VSTD025110

Tot Ion: 43 Resp: 85902

Ion Ratio Lower Upper

43 100

72 30.2 15.7 47.0



#23

Bromochloromethane

Concen: 27.711 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Tgt Ion: 128 Resp: 96983

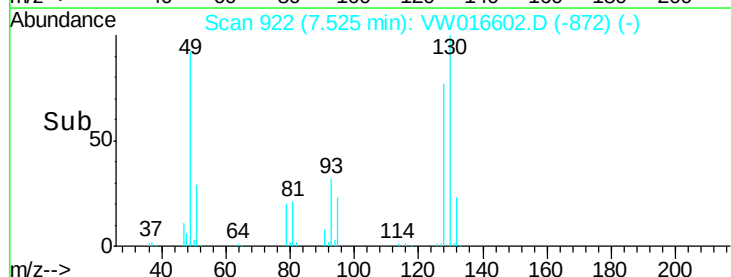
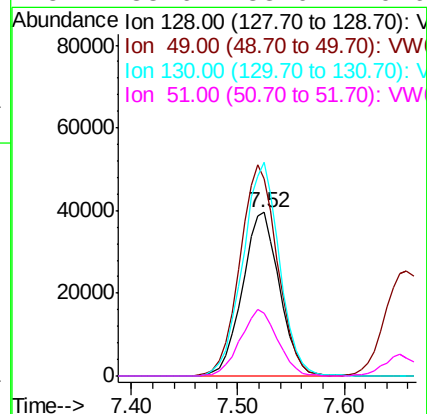
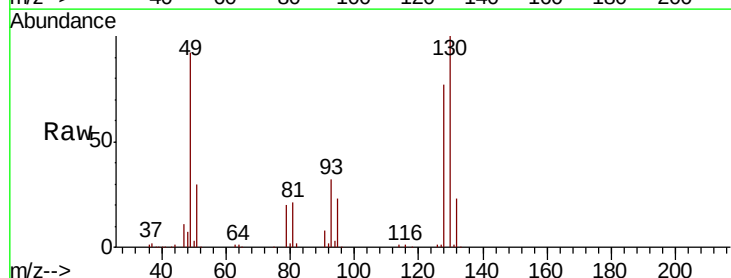
Ion Ratio Lower Upper

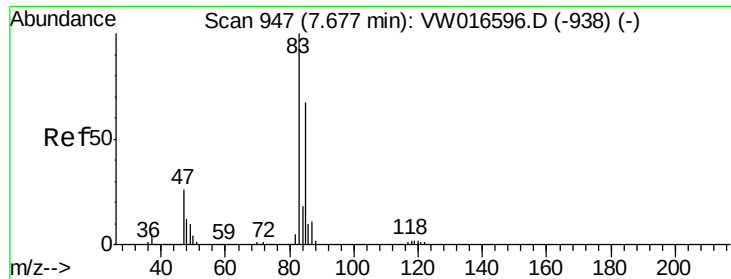
128 100

49 120.2 91.5 169.9

130 130.5 89.0 165.4

51 38.6 33.0 49.6





#25

Chloroform

Concen: 27.022 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

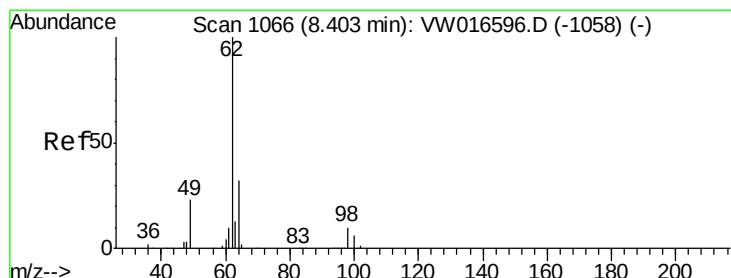
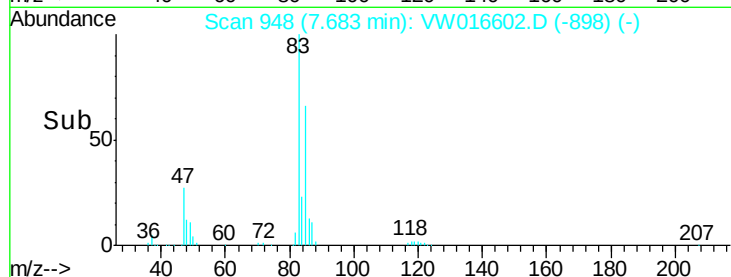
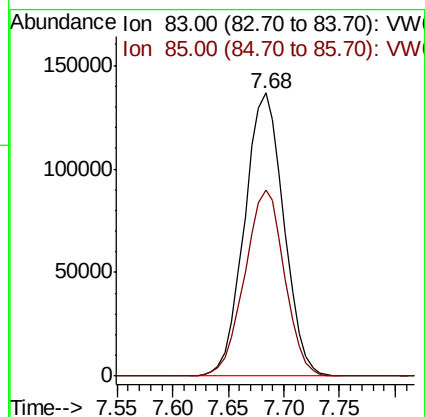
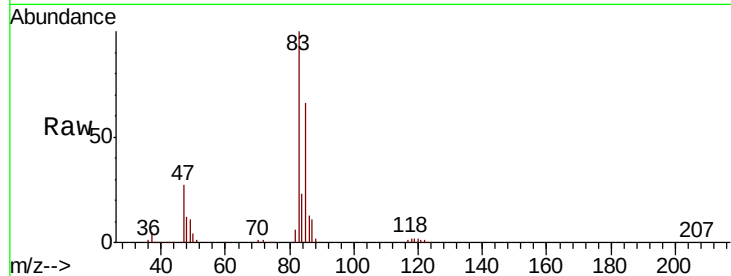
VSTD025110

Tot Ion: 83 Resp: 335352

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 27.618 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016602.D

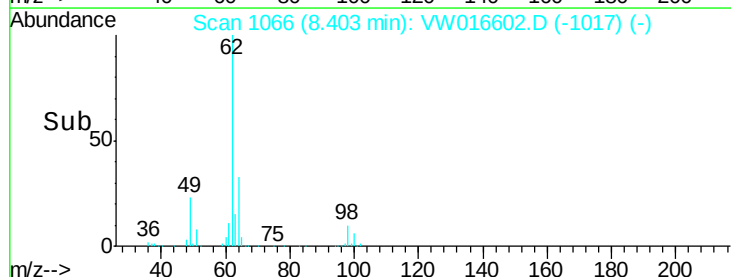
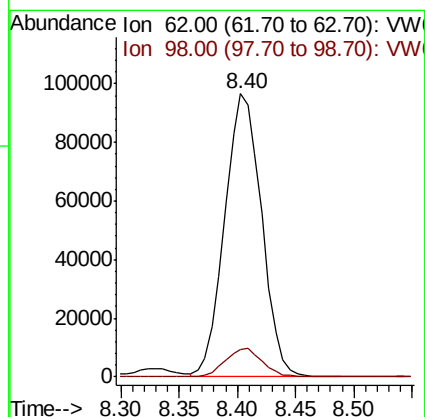
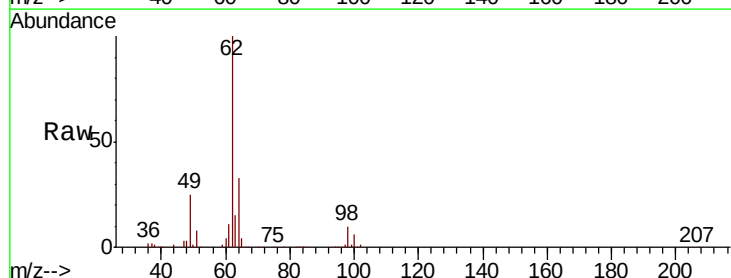
Acq: 21 Sep 2020 18:03

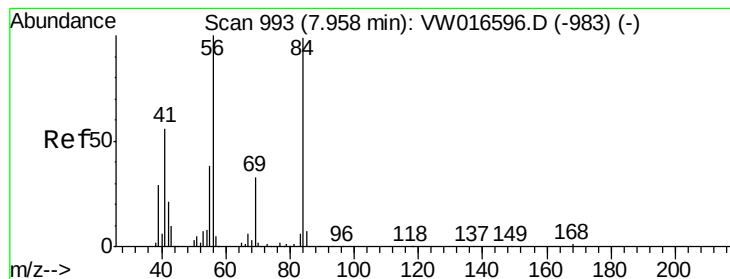
Tgt Ion: 62 Resp: 212812

Ion Ratio Lower Upper

62 100

98 9.8 7.3 10.9





#29

Cyclohexane

Concen: 25.105 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD025110

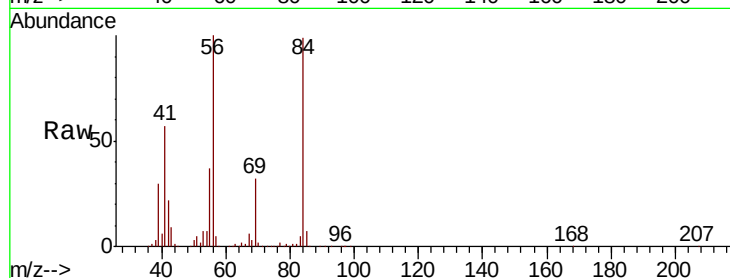
Tot Ion: 56 Resp: 269702

Ion Ratio Lower Upper

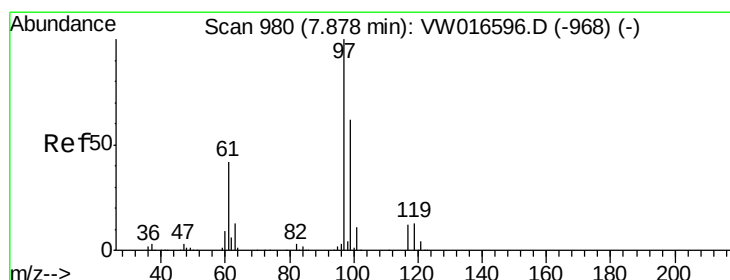
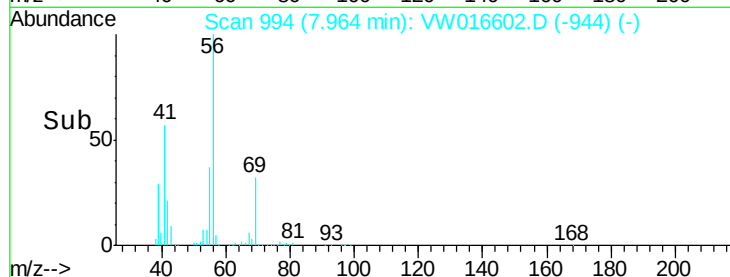
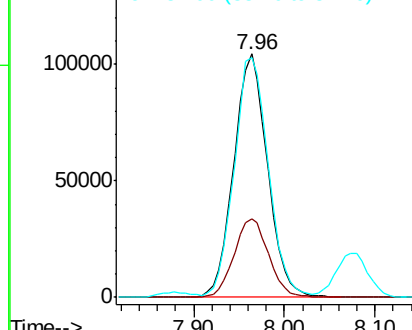
56 100

69 33.0 26.4 39.6

84 100.2 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#30

1,1,1-Trichloroethane

Concen: 26.529 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

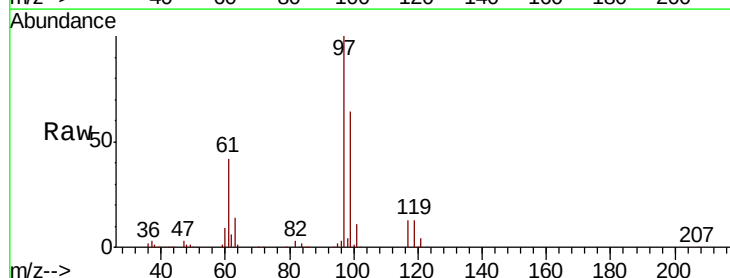
Tgt Ion: 97 Resp: 304164

Ion Ratio Lower Upper

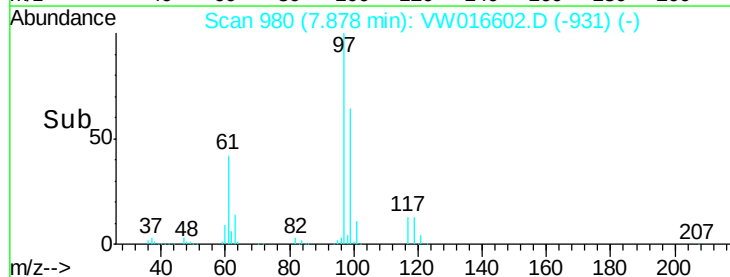
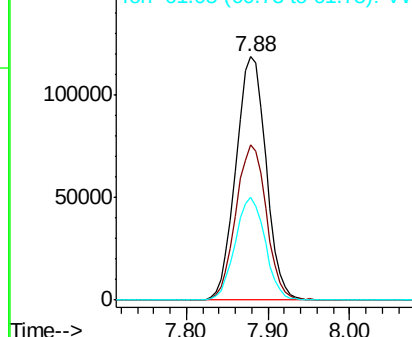
97 100

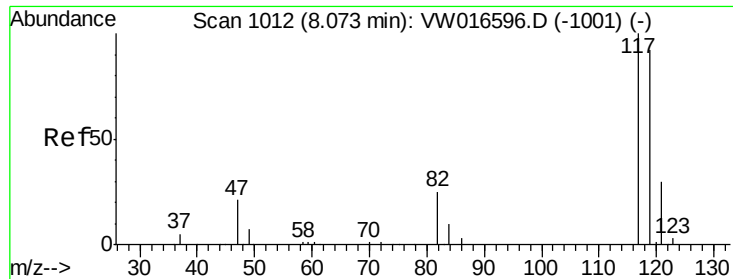
99 64.2 50.9 76.3

61 41.9 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW

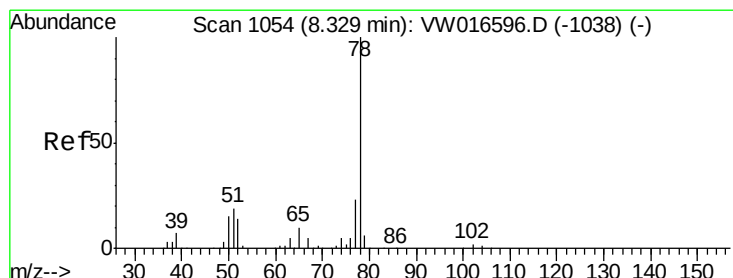
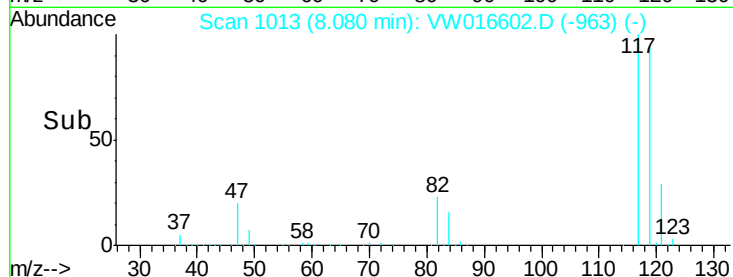
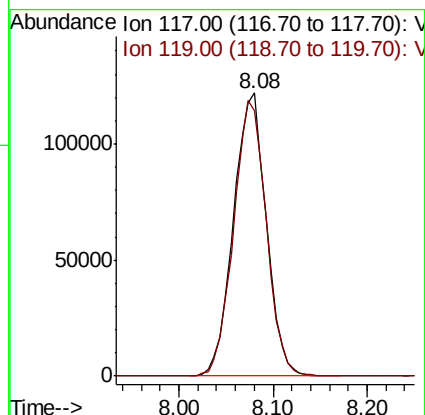
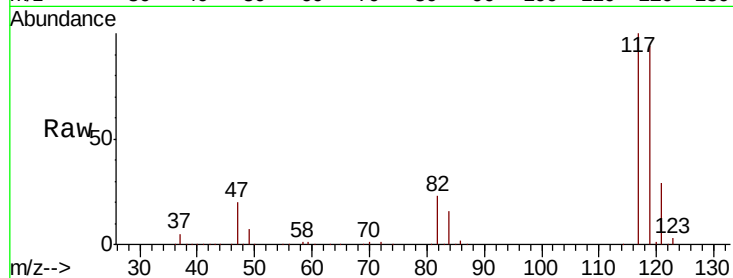




#31
Carbon tetrachloride
Concen: 26.489 ug/L
RT: 8.08 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

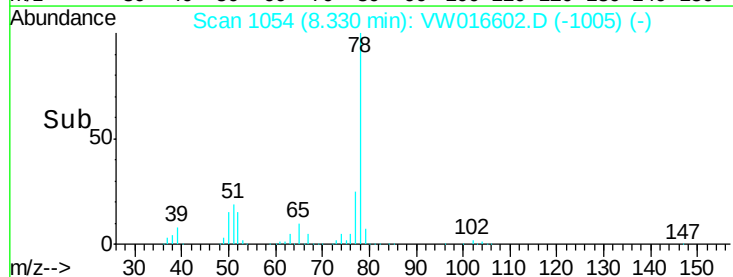
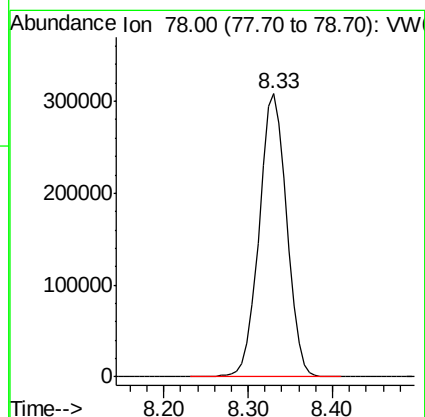
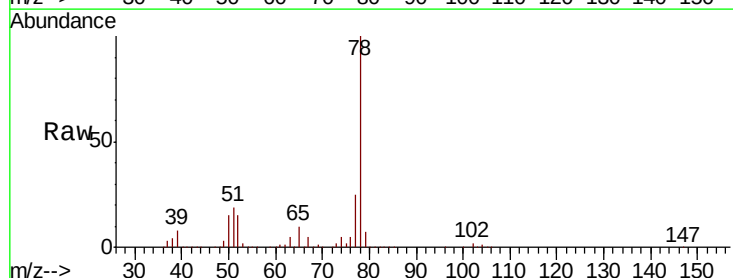
Instrument :
MSVOA_W
ClientSampleId :
VSTD025110

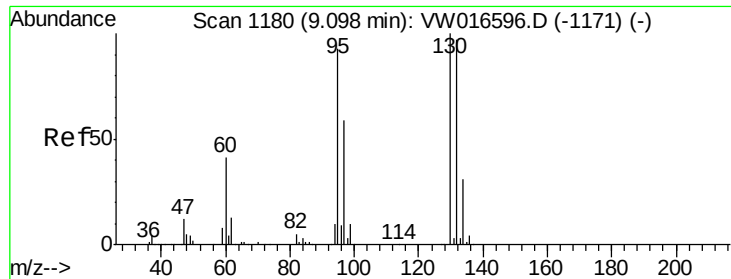
Tot Ion:117 Resp: 295752
Ion Ratio Lower Upper
117 100
119 97.1 76.7 115.1



#33
Benzene
Concen: 25.960 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Tgt Ion: 78 Resp: 691993

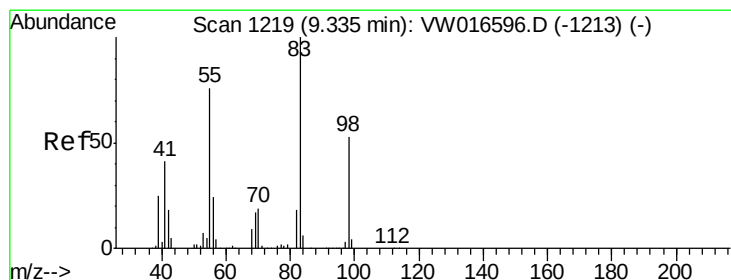
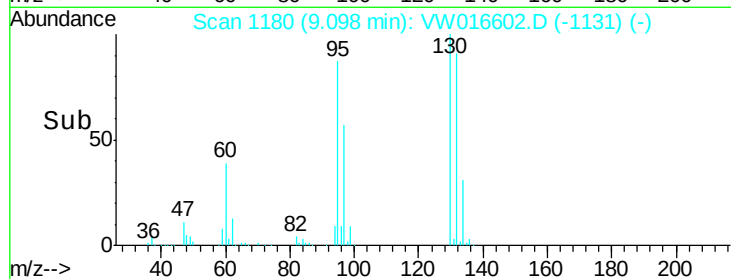
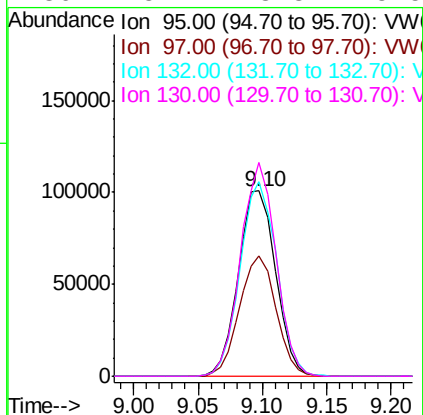
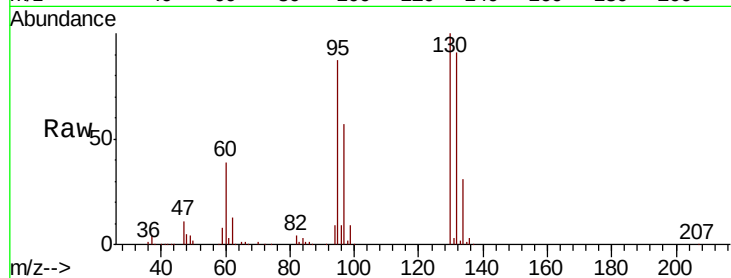




#34
 Trichloroethene
 Concen: 26.484 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

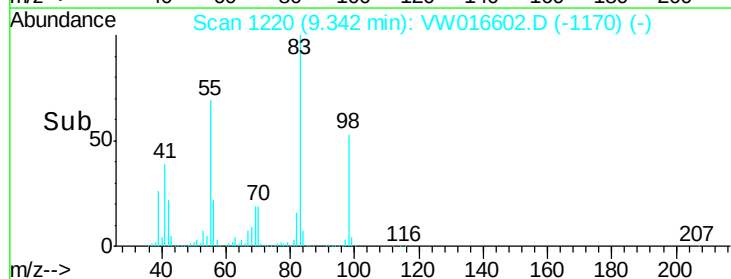
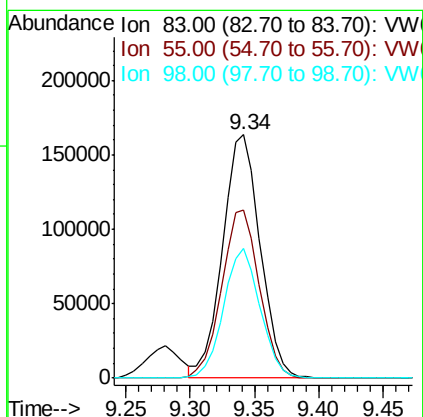
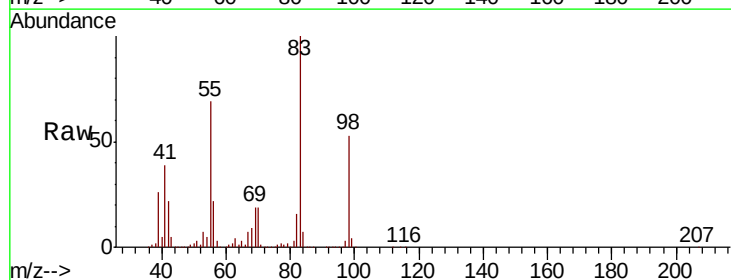
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

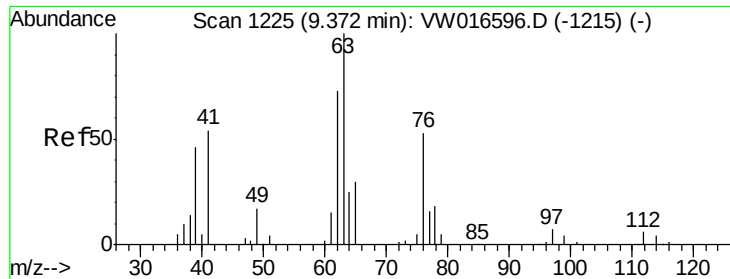
Tot Ion	95	Resp	202503
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.1	83.9
132	105.1	73.8	137.2
130	115.4	78.3	145.5



#35
 Methylcyclohexane
 Concen: 26.152 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion	83	Resp	334018
Ion	Ratio	Lower	Upper
83	100		
55	69.3	55.9	83.9
98	51.9	41.5	62.3

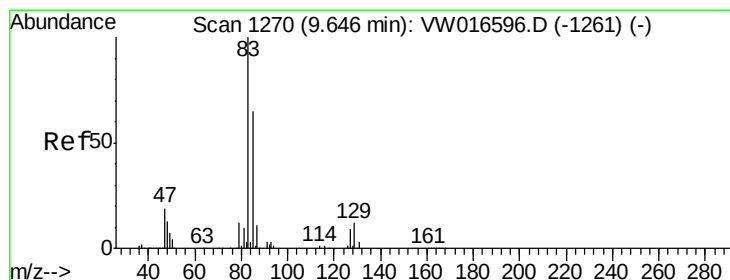
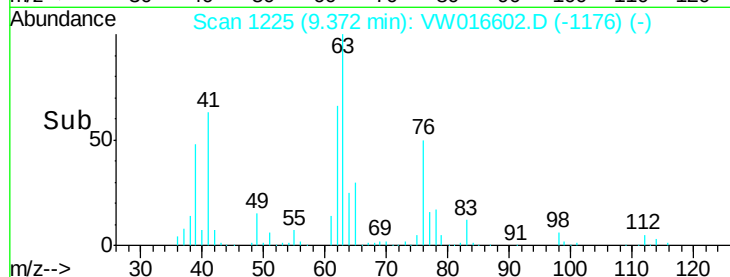
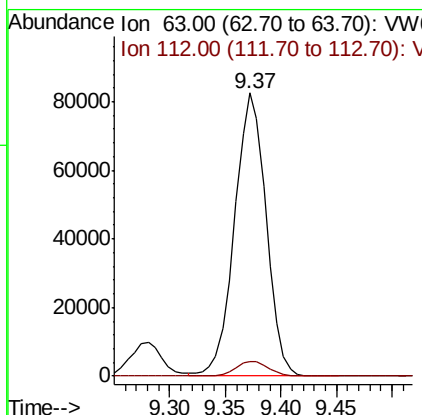
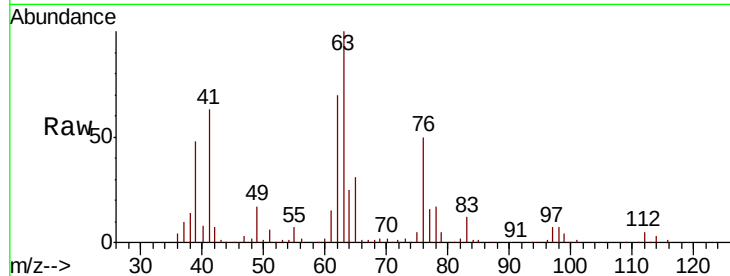




#37
 1,2-Dichloropropane
 Concen: 26.672 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

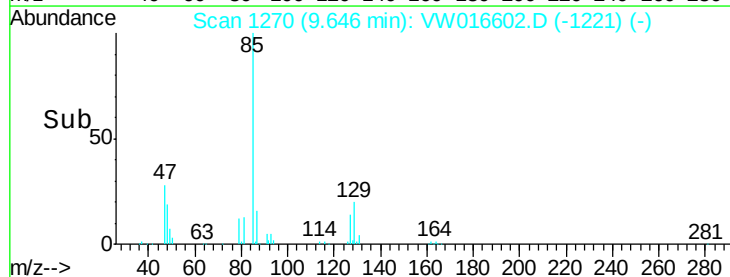
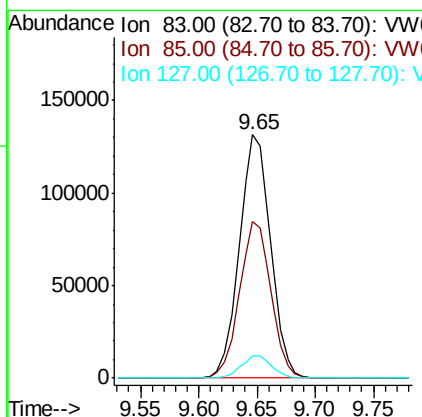
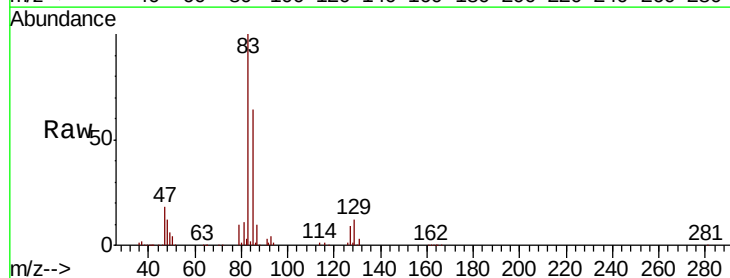
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

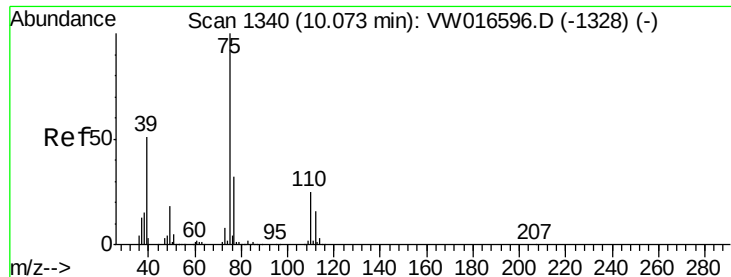
Tot Ion: 63 Resp: 162115
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.4



#38
 Bromodichloromethane
 Concen: 27.254 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion: 83 Resp: 245655
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.7 81.1
 127 8.9 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 26.615 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

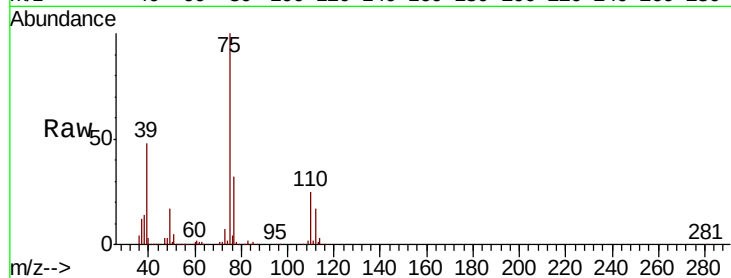
VSTD025110

Tot Ion: 75 Resp: 276141

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

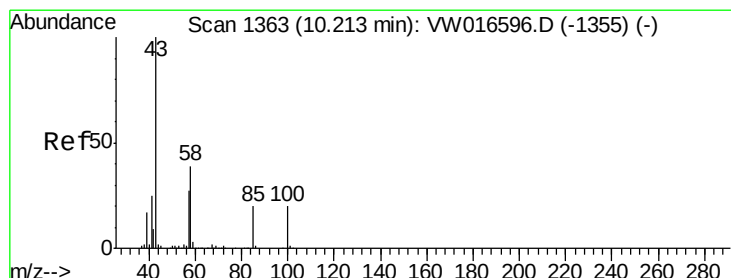
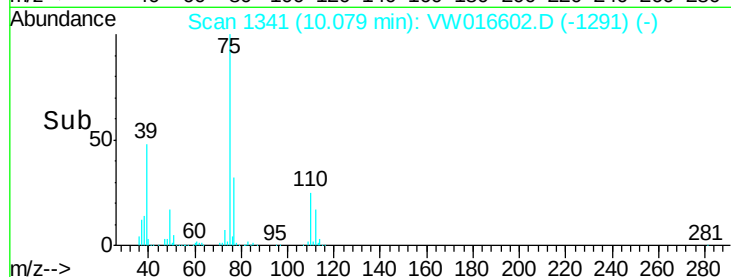
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 57.093 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

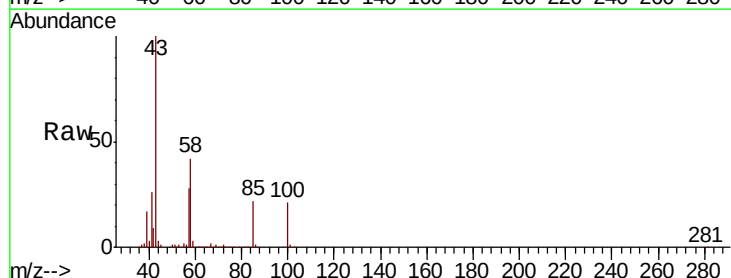
Tgt Ion: 43 Resp: 194435

Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

100 20.1 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

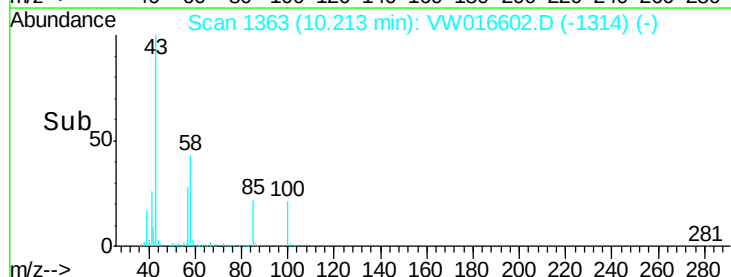
150000

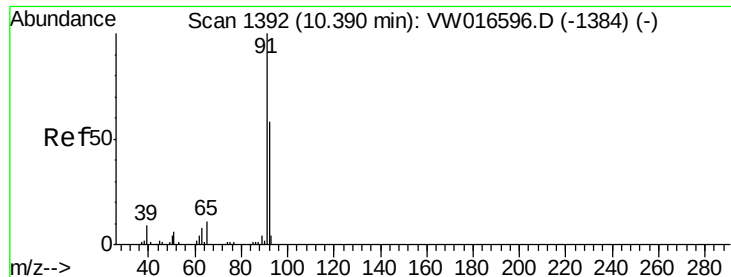
100000

50000

0

Time-->





#42

Toluene

Concen: 26.426 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

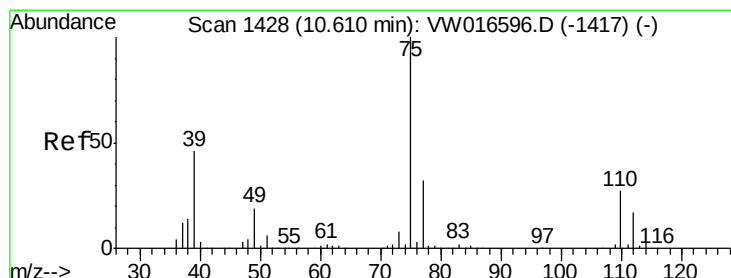
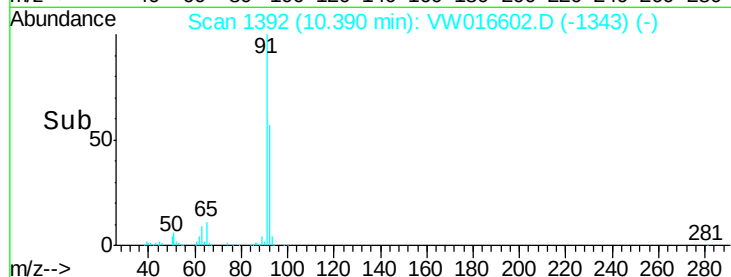
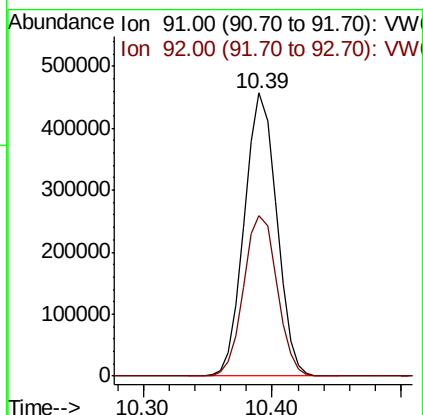
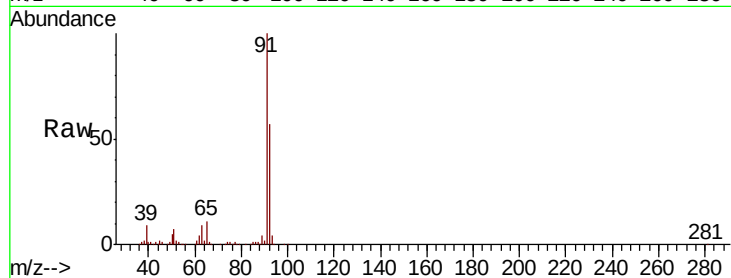
VSTD025110

Tot Ion: 91 Resp: 793601

Ion Ratio Lower Upper

91 100

92 56.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 27.322 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016602.D

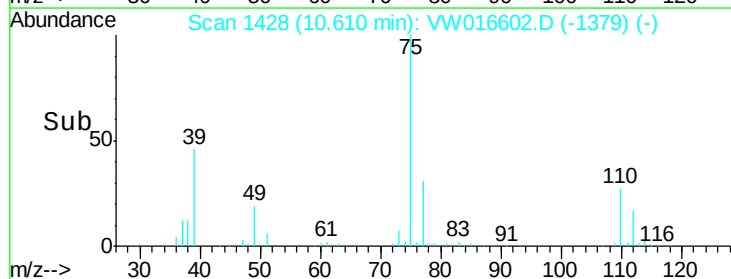
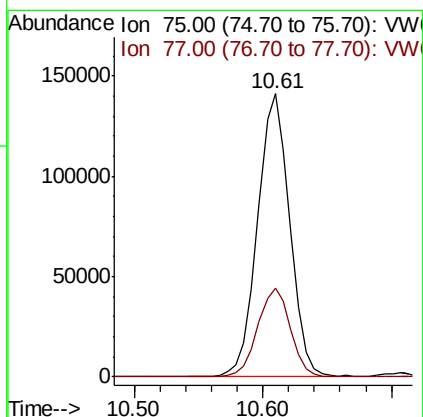
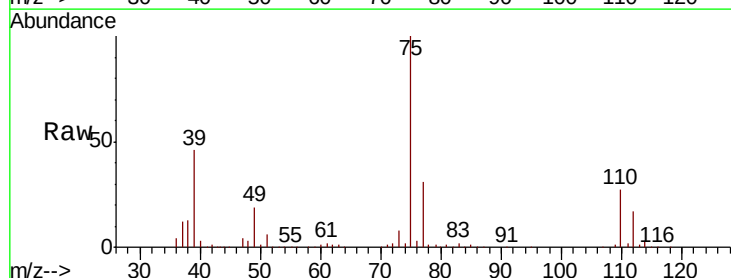
Acq: 21 Sep 2020 18:03

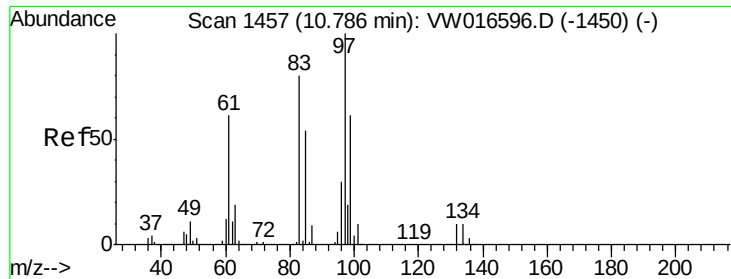
Tgt Ion: 75 Resp: 243129

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1

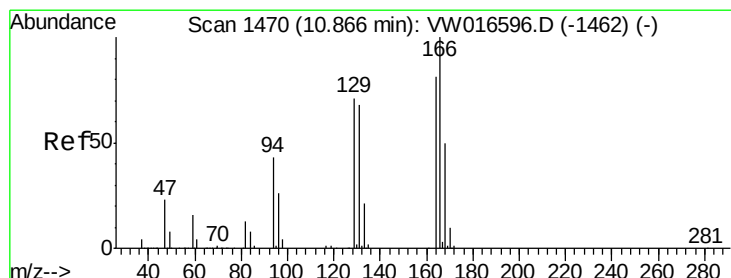
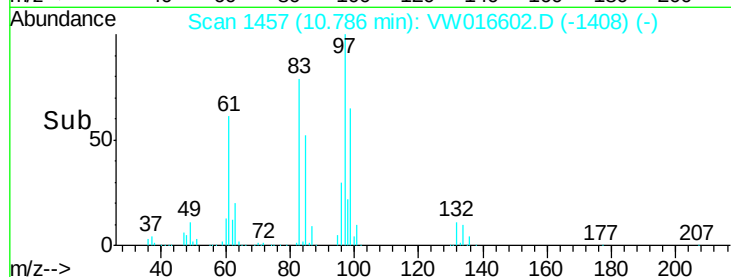
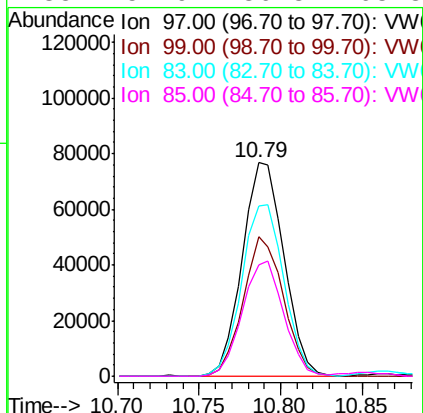
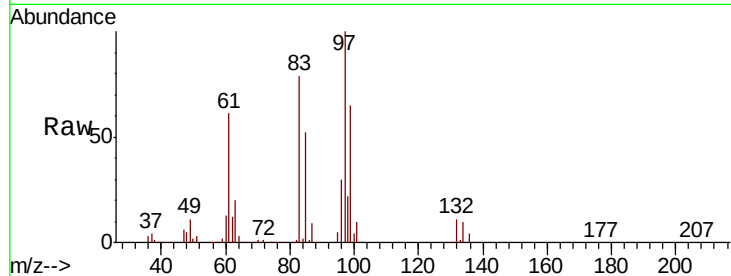




#45
 1,1,2-Trichloroethane
 Concen: 27.795 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

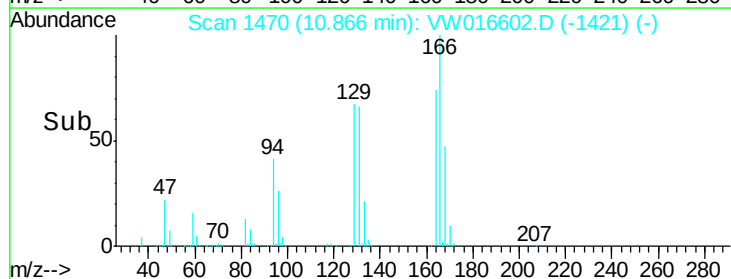
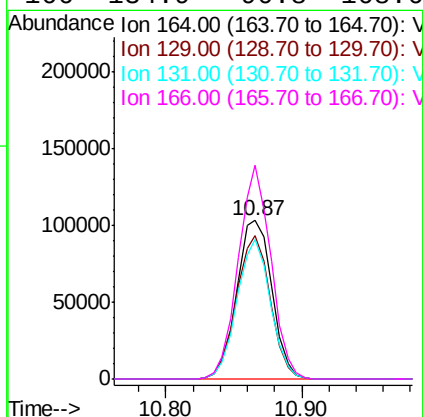
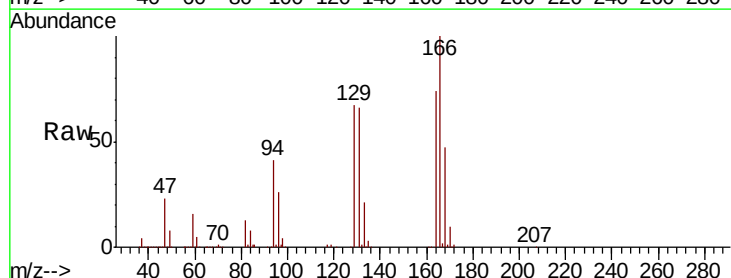
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

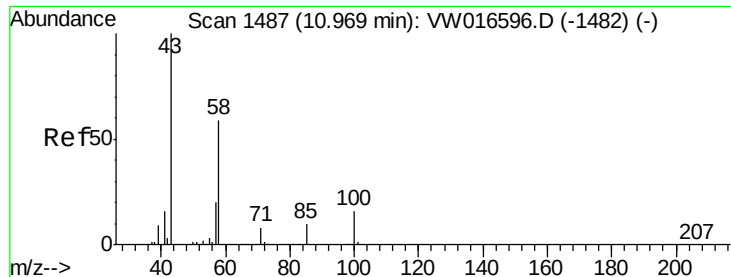
Tot Ion:	97	Resp:	137219
Ion	Ratio	Lower	Upper
97	100		
99	65.5	44.5	82.7
83	79.5	58.4	108.4
85	51.9	36.8	68.3



#46
 Tetrachloroethene
 Concen: 26.919 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion:	164	Resp:	185667
Ion	Ratio	Lower	Upper
164	100		
129	90.3	61.4	114.0
131	88.4	62.8	116.6
166	134.9	90.8	168.6

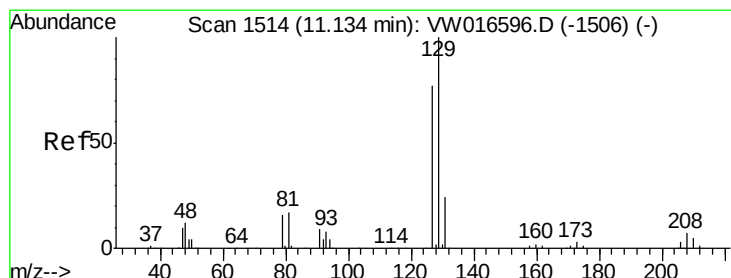
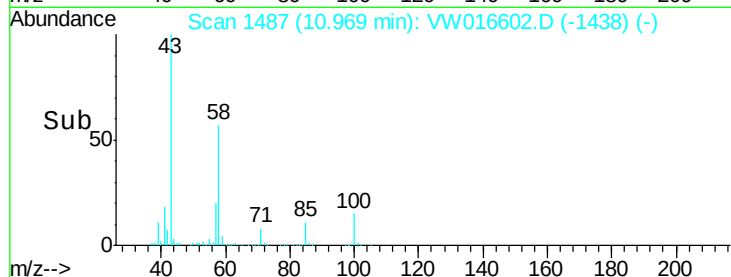
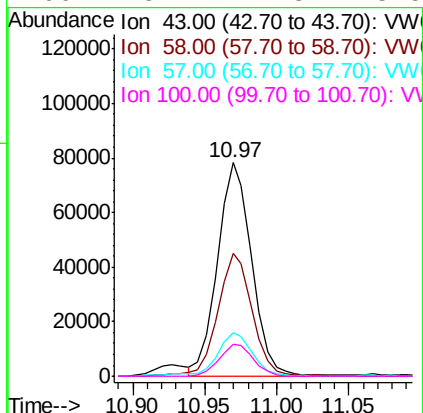
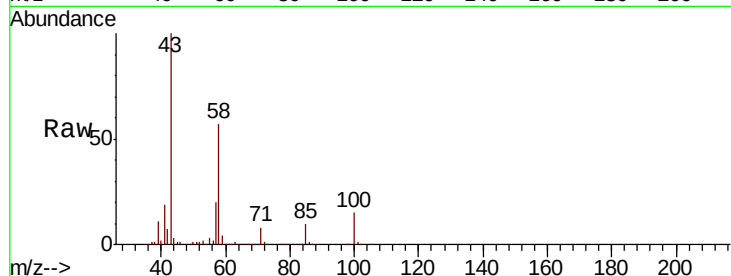




#48
2-Hexanone
Concen: 61.310 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

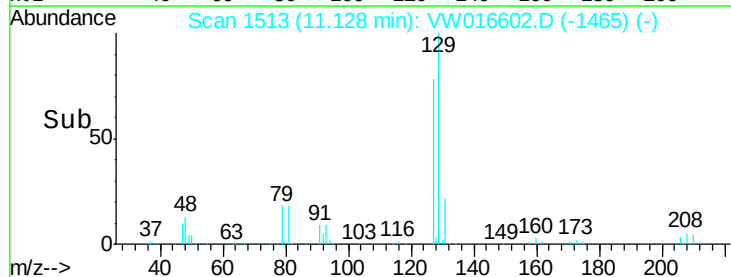
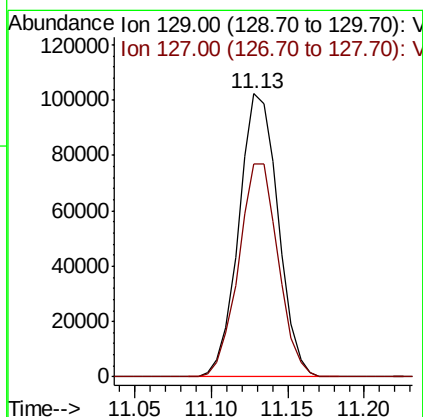
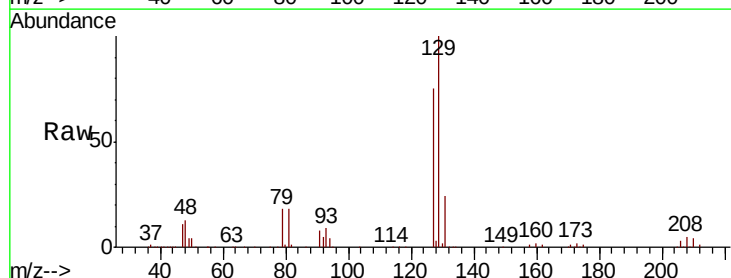
Instrument :
MSVOA_W
ClientSampleId :
VSTD025110

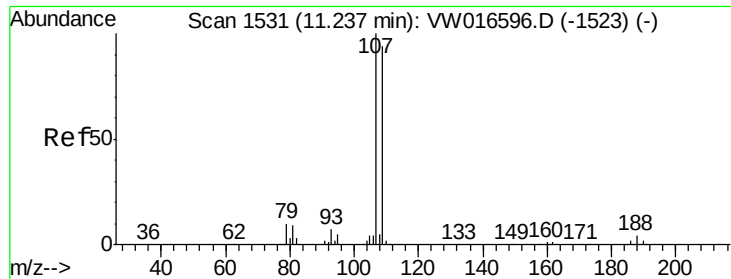
Tot Ion:	43	Resp:	129831
Ion	Ratio	Lower	Upper
43	100		
58	58.1	45.9	68.9
57	19.7	16.6	24.8
100	15.1	12.3	18.5



#49
Dibromochloromethane
Concen: 28.199 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Tgt Ion:	129	Resp:	182728
Ion	Ratio	Lower	Upper
129	100		
127	75.2	52.5	97.5

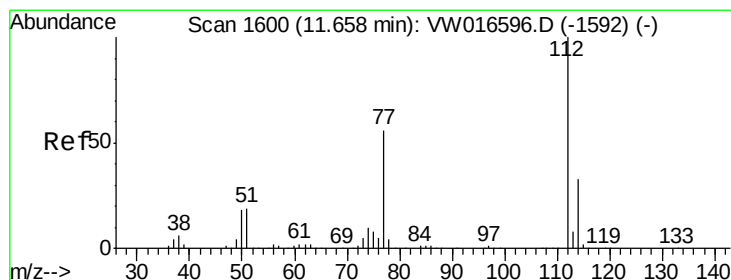
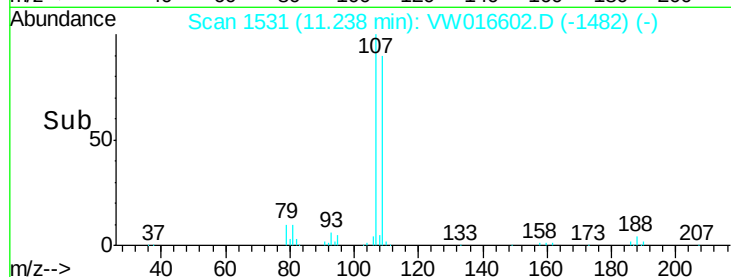
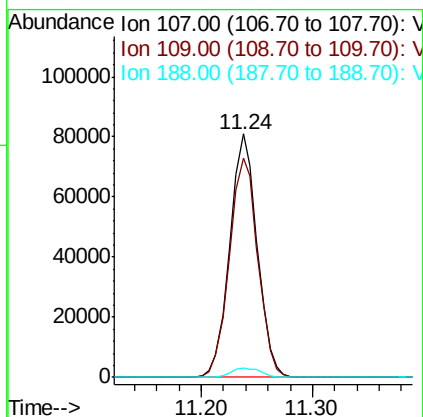
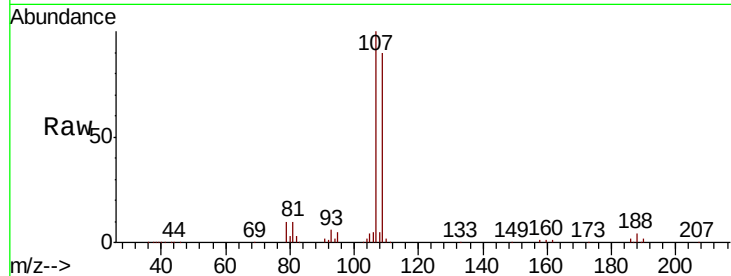




#50
1,2-Dibromoethane
Concen: 28.188 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

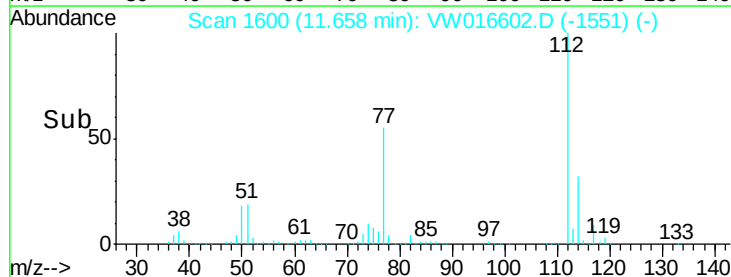
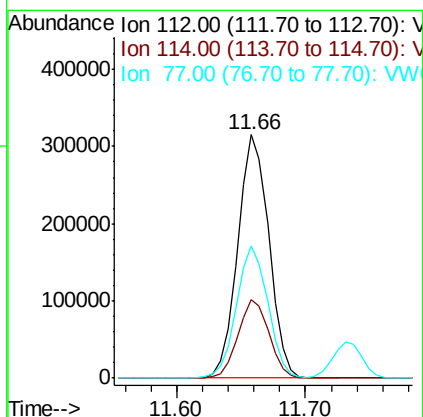
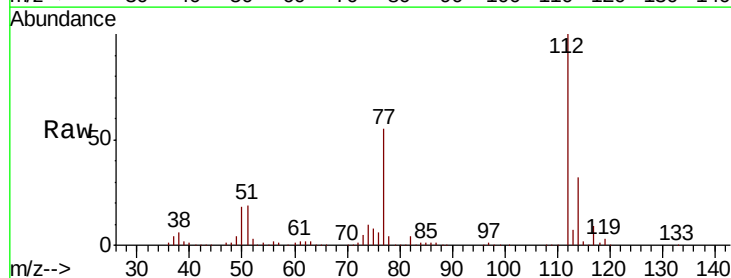
Instrument :
MSVOA_W
ClientSampleId :
VSTD025110

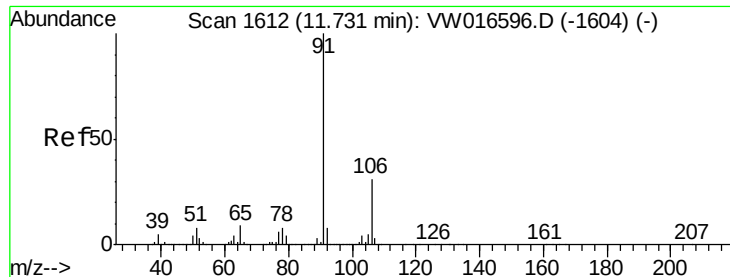
Tot Ion:107 Resp: 137822
Ion Ratio Lower Upper
107 100
109 90.0 66.2 123.0
188 3.9 3.3 4.9



#51
Chlorobenzene
Concen: 26.447 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Tgt Ion:112 Resp: 526677
Ion Ratio Lower Upper
112 100
114 32.2 22.9 42.5
77 54.6 43.8 65.8





#52

Ethylbenzene

Concen: 26.440 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

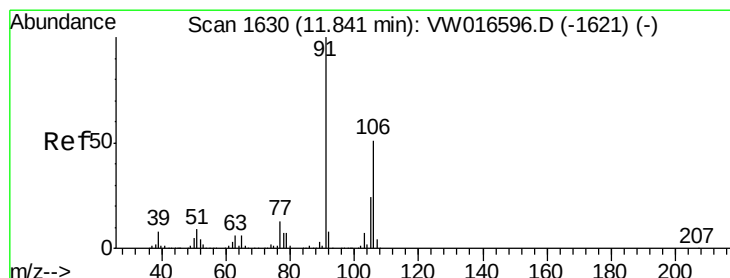
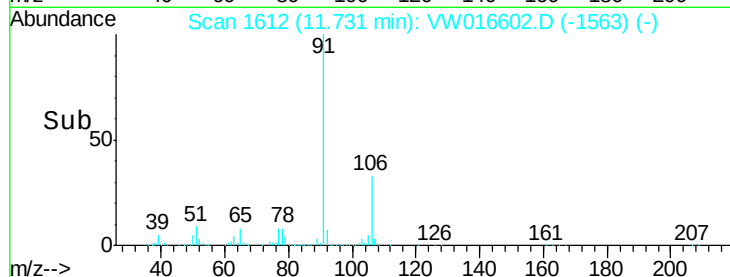
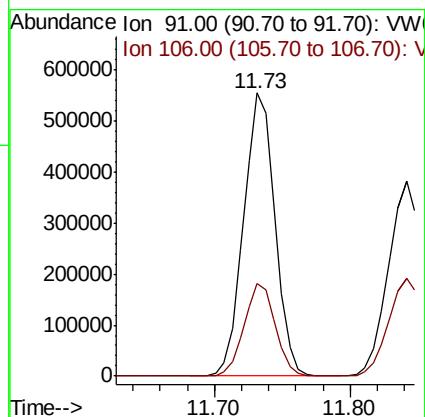
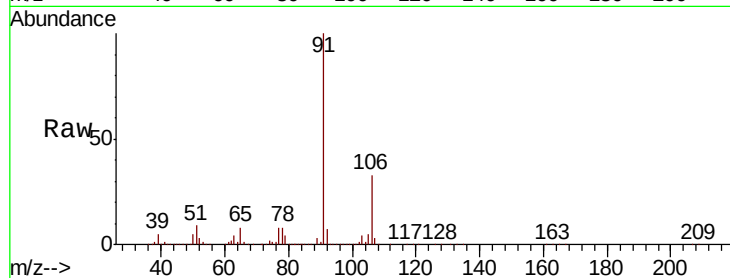
VSTD025110

Tot Ion: 91 Resp: 894014

Ion Ratio Lower Upper

91 100

106 32.6 22.0 41.0



#53

m,p-Xylene

Concen: 26.840 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016602.D

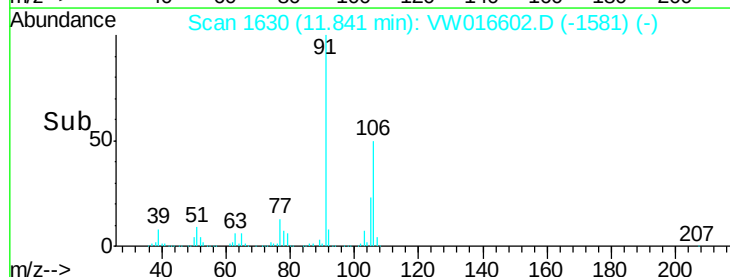
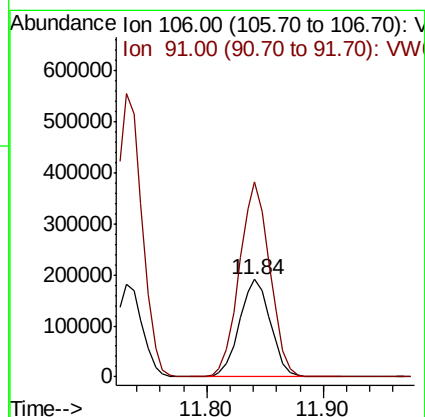
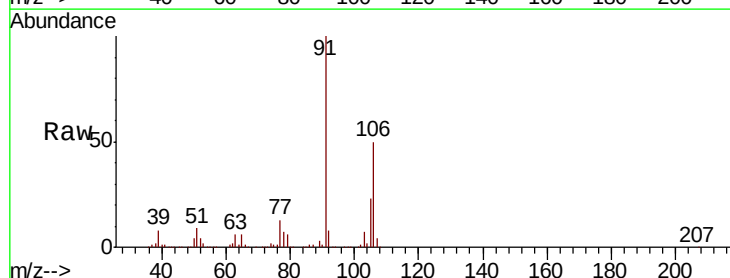
Acq: 21 Sep 2020 18:03

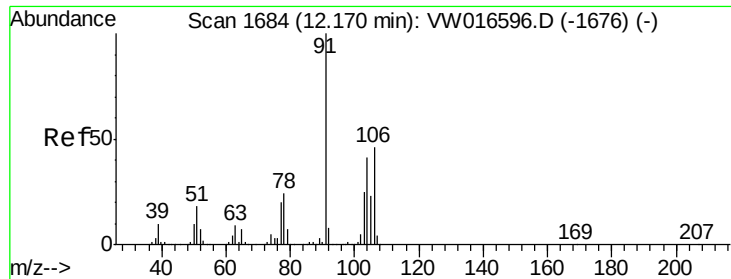
Tgt Ion: 106 Resp: 353543

Ion Ratio Lower Upper

106 100

91 199.6 136.2 252.9

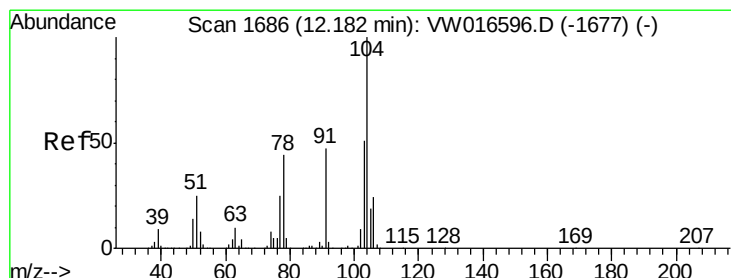
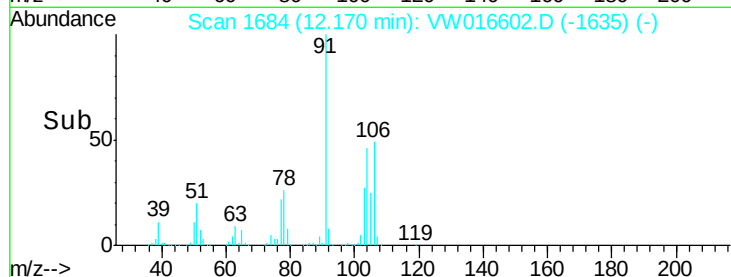
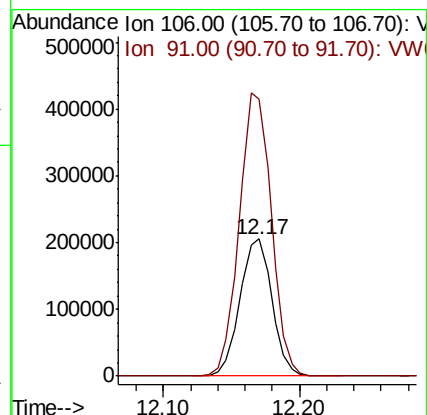
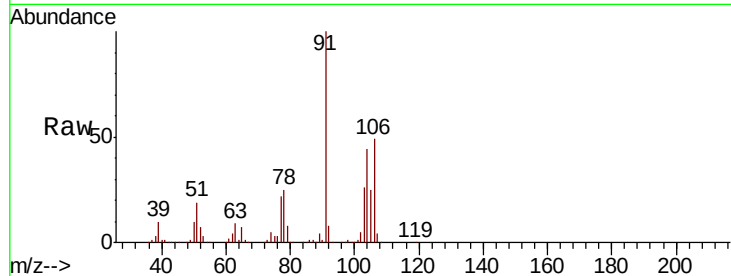




#54
o-Xylene
Concen: 26.906 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

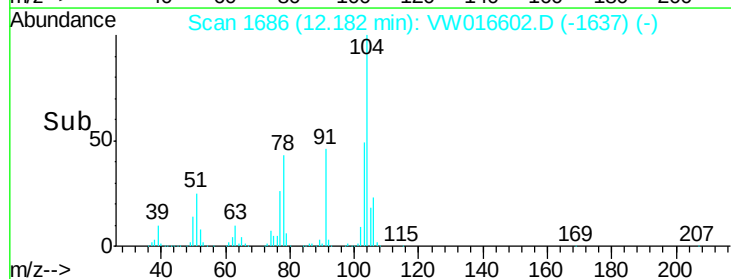
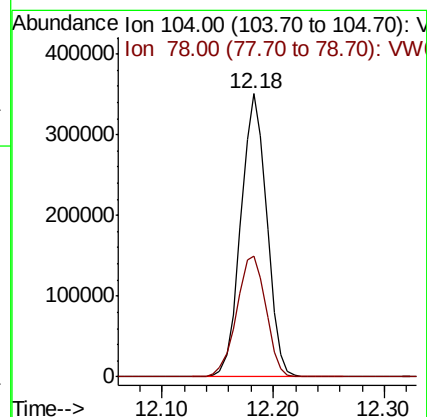
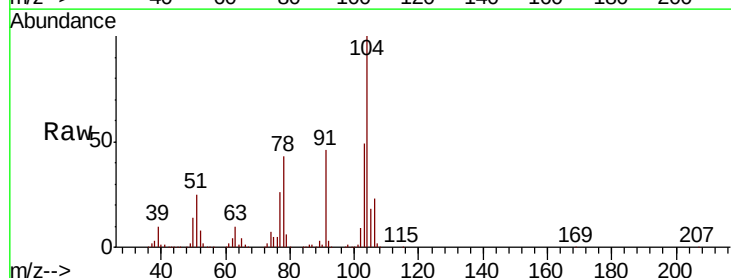
Instrument :
MSVOA_W
ClientSampled :
VSTD025110

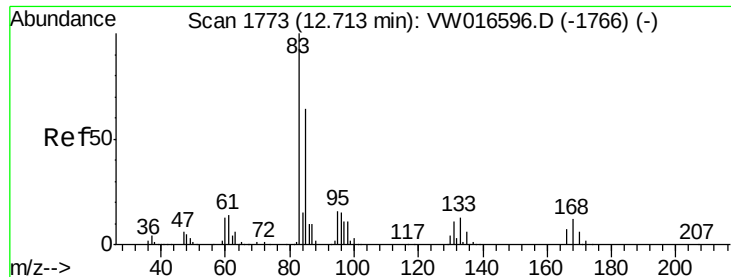
Tot Ion:106 Resp: 335449
Ion Ratio Lower Upper
106 100
91 202.2 143.4 266.2



#55
Styrene
Concen: 27.196 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Tgt Ion:104 Resp: 564557
Ion Ratio Lower Upper
104 100
78 42.9 31.1 57.9

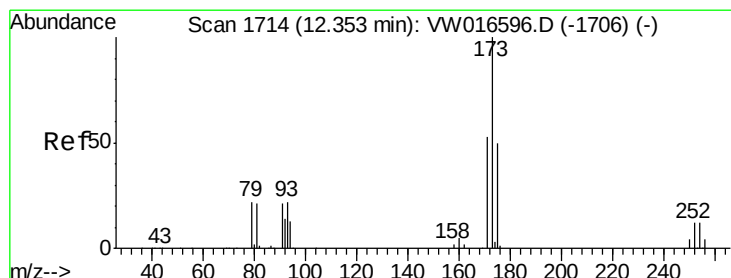
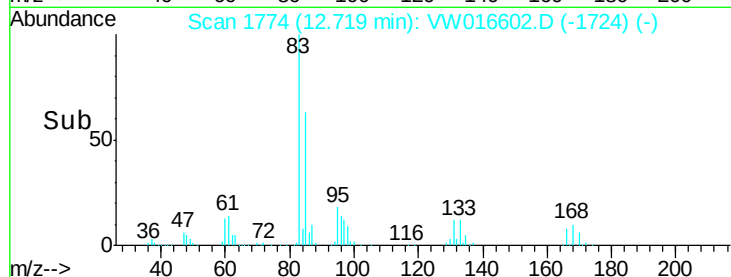
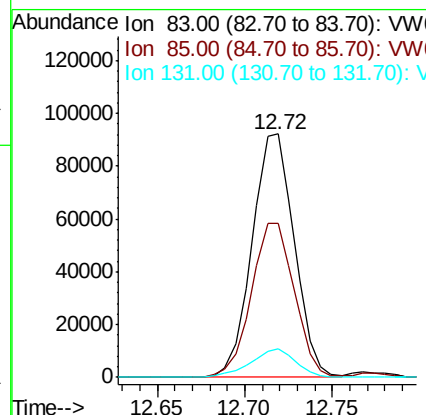
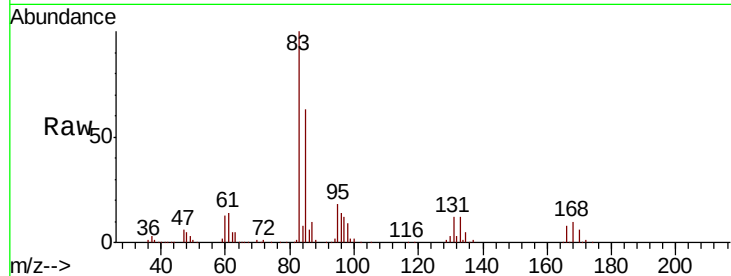




#57
 1,1,2,2-Tetrachloroethane
 Concen: 29.139 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

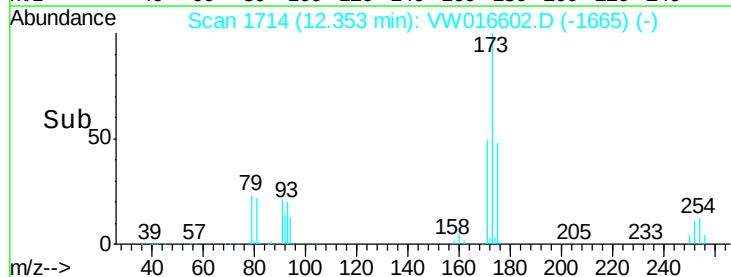
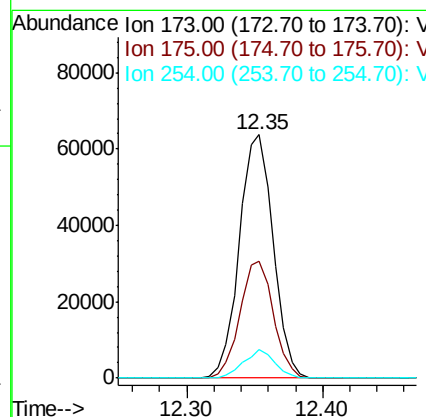
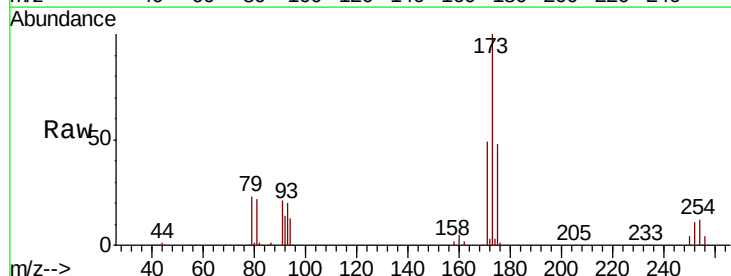
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

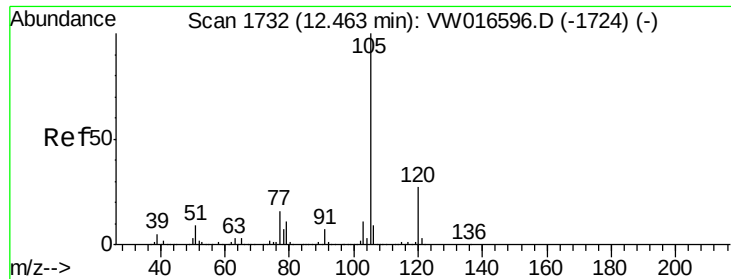
Tot Ion	83	Resp	154877
Ion	Ratio	Lower	Upper
83	100		
85	63.3	46.3	85.9
131	11.8	9.3	13.9



#59
 Bromoform
 Concen: 27.487 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion	173	Resp	110725
Ion	Ratio	Lower	Upper
173	100		
175	47.5	39.7	59.5
254	10.8	8.2	12.2





#60

Isopropylbenzene

Concen: 25.534 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD025110

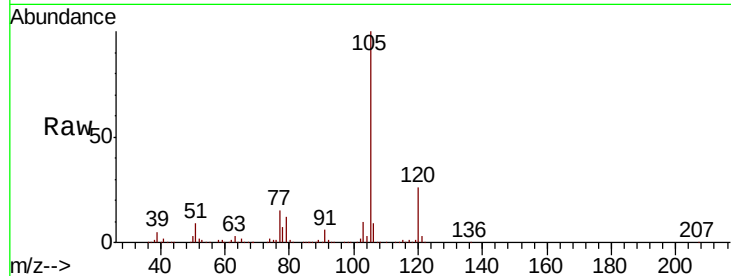
Tot Ion:105 Resp: 930242

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

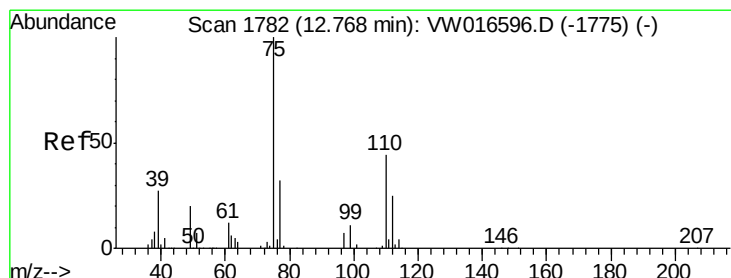
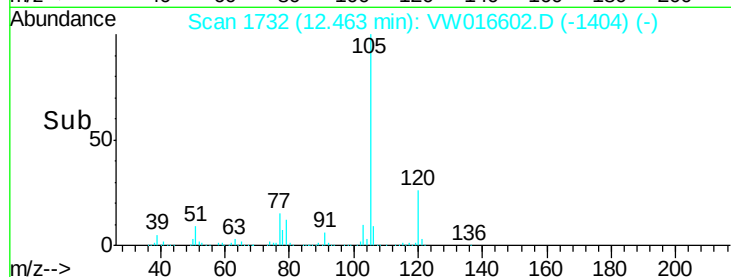
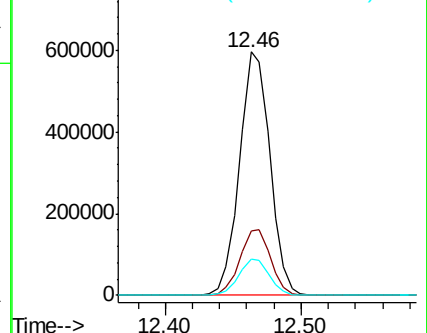
77 15.0 12.1 18.1



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



#61

1,2,3-Trichloropropane

Concen: 27.338 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016602.D

Acq: 21 Sep 2020 18:03

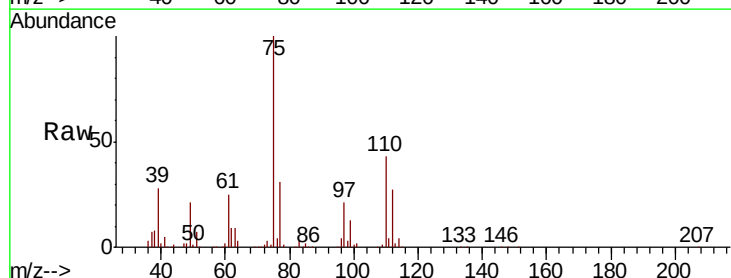
Tgt Ion: 75 Resp: 112418

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

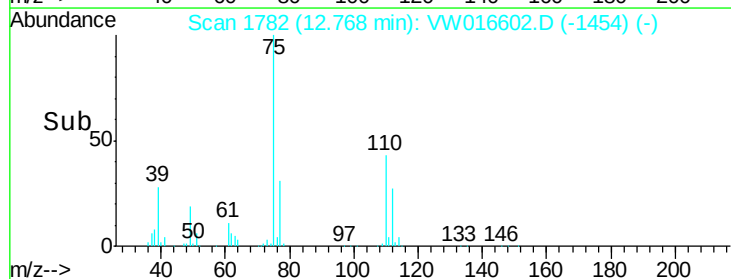
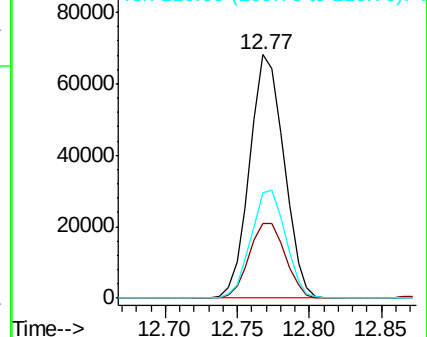
110 44.7 35.8 53.8

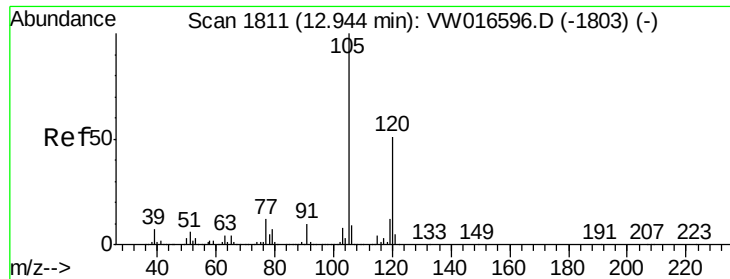


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

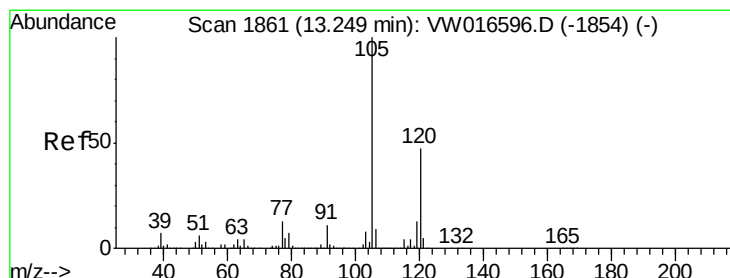
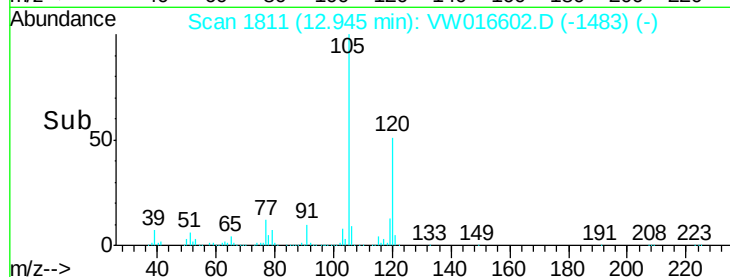
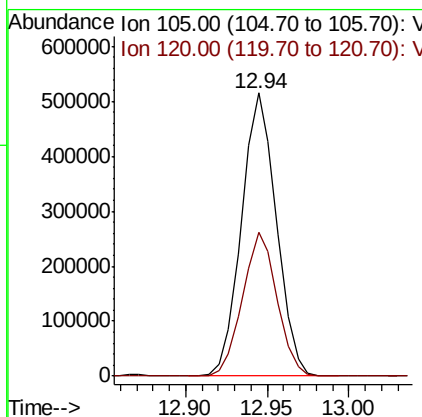
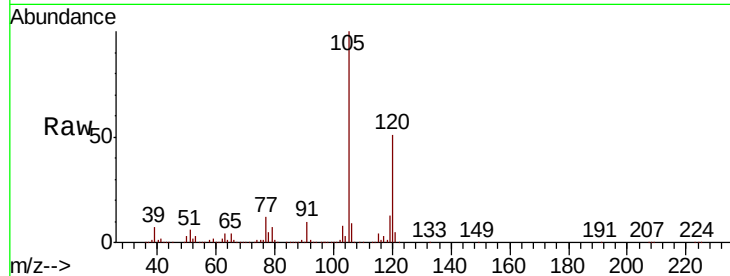




#62
 1,3,5-Trimethylbenzene
 Concen: 25.667 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

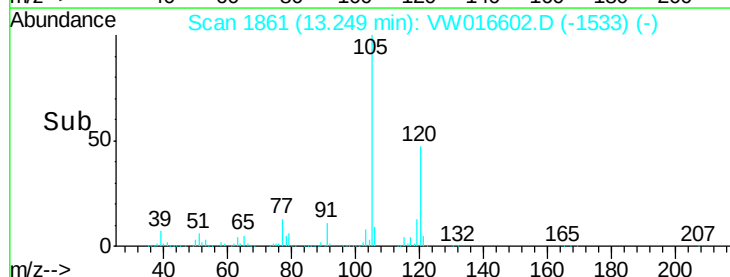
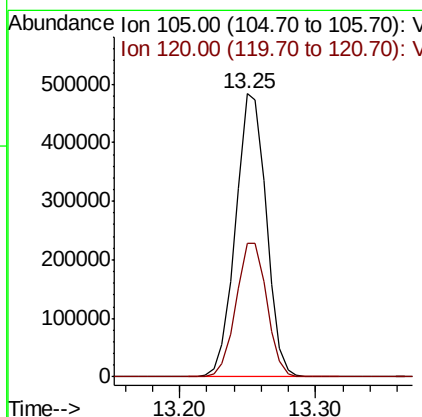
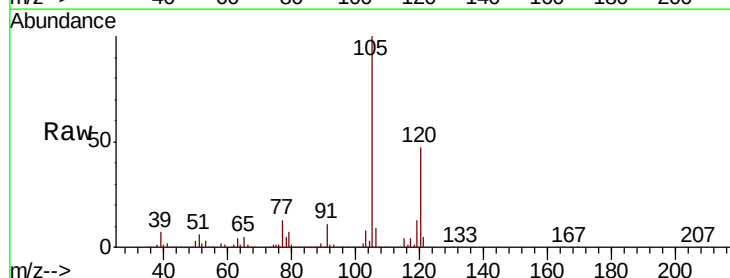
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

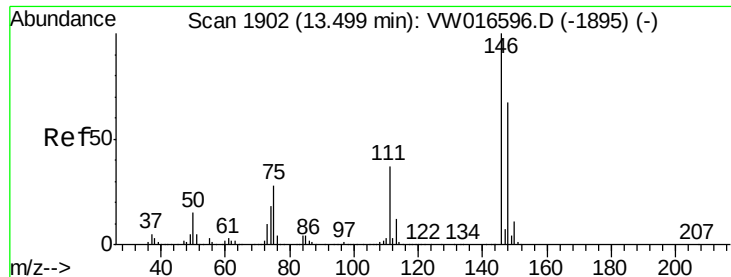
Tot Ion:105 Resp: 769525
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 25.440 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion:105 Resp: 758050
 Ion Ratio Lower Upper
 105 100
 120 47.5 36.4 54.6

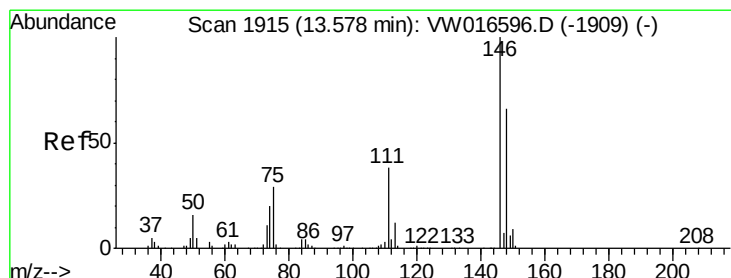
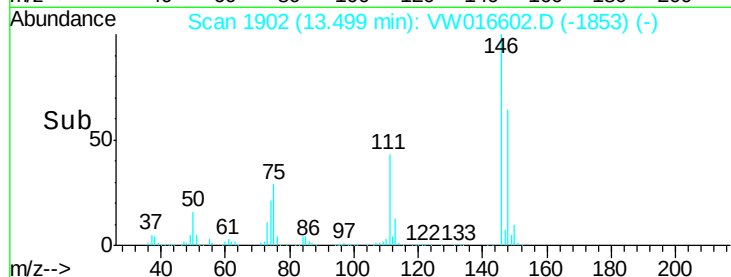
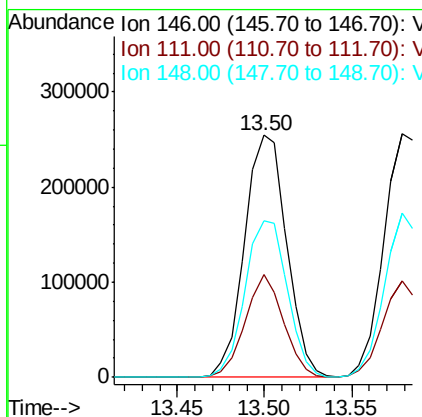
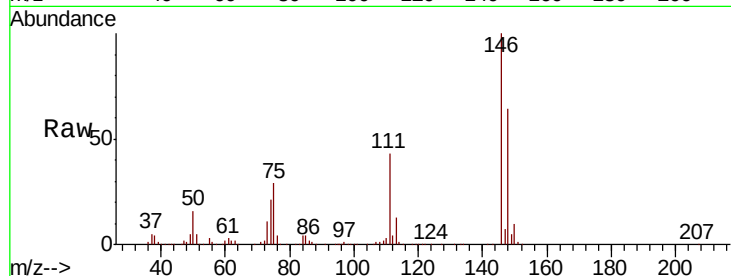




#64
 1,3-Dichlorobenzene
 Concen: 25.539 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

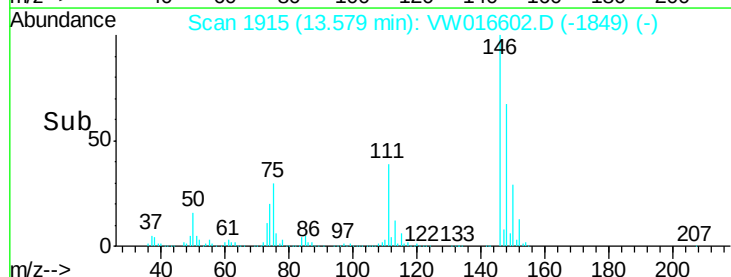
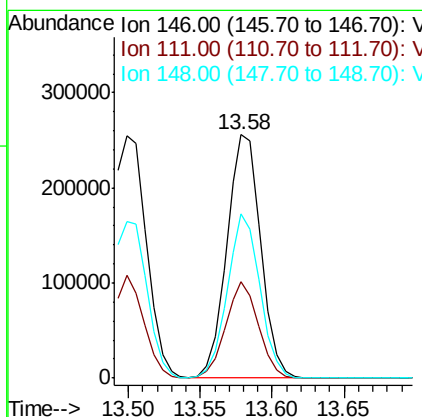
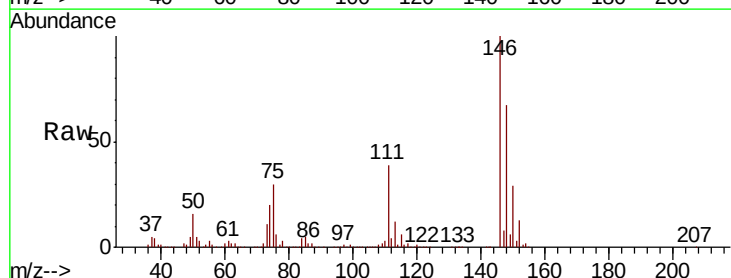
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

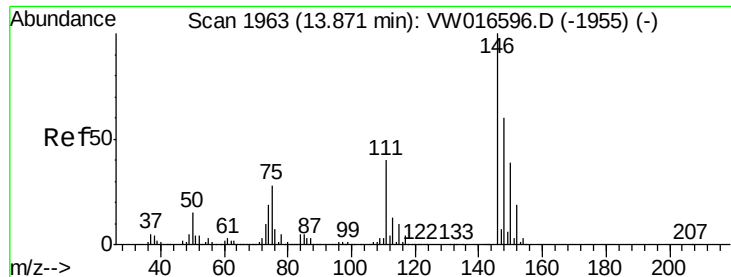
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	26.5	49.3
148	64.5	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 25.659 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	26.5	49.3
148	67.5	43.8	81.4

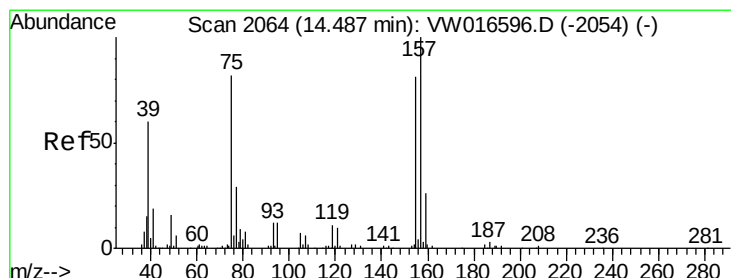
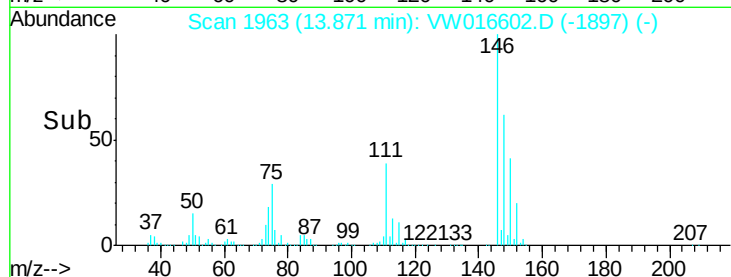
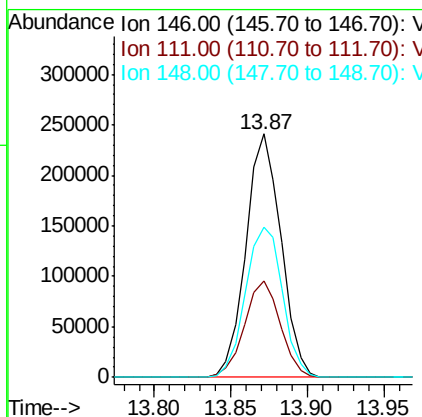
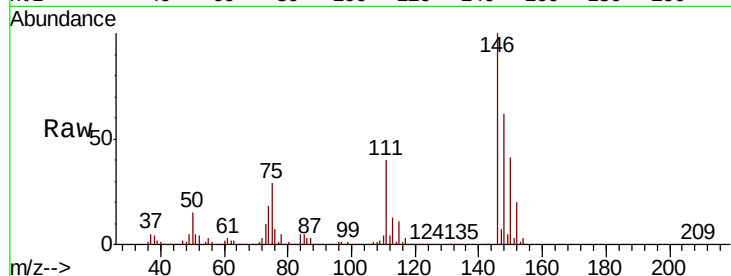




#67
 1,2-Dichlorobenzene
 Concen: 26.074 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

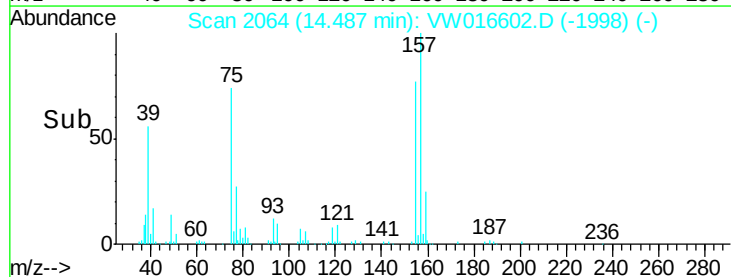
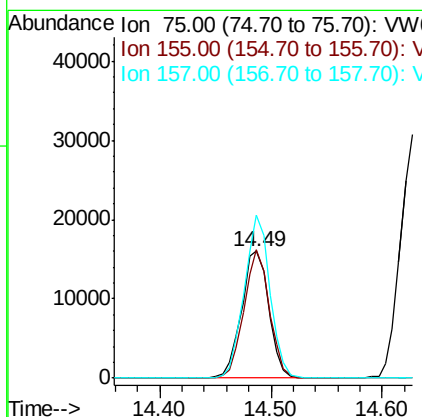
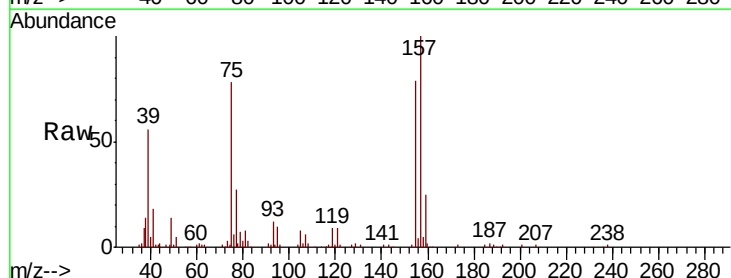
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

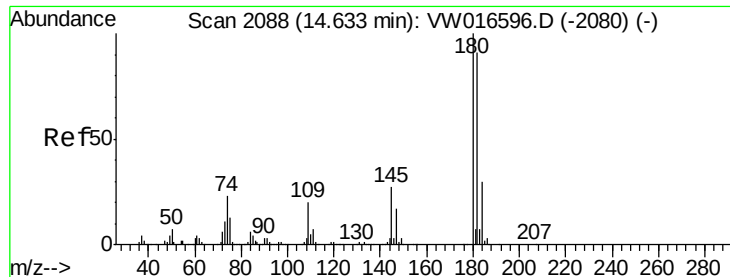
Tot Ion:146 Resp: 385699
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.4 48.6
 148 61.7 52.2 78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.224 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion: 75 Resp: 27281
 Ion Ratio Lower Upper
 75 100
 155 101.2 76.6 115.0
 157 128.7 92.0 138.0

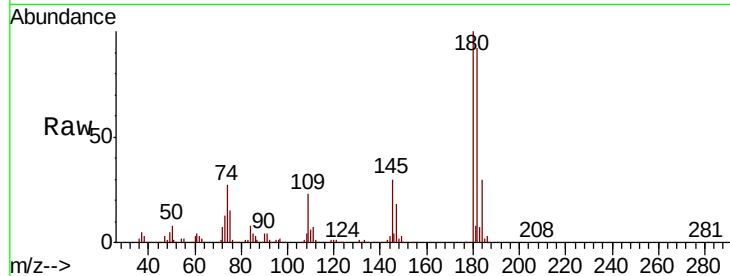




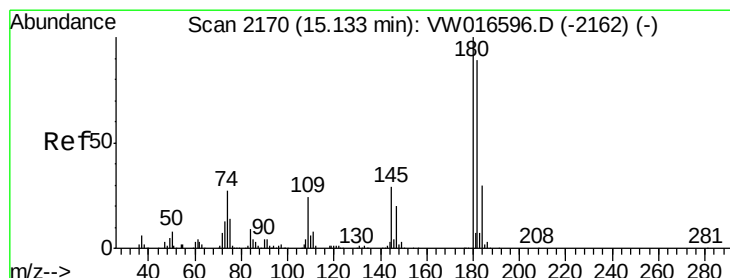
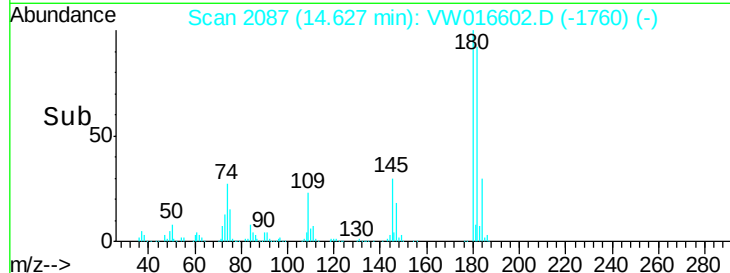
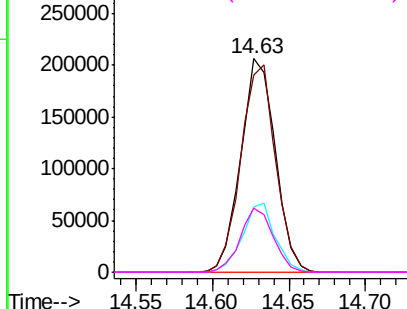
#69
 1,3,5-Trichlorobenzene
 Concen: 26.194 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025110

Tot Ion:180	Resp:	323259
Ion	Ratio	Lower Upper
180	100	
182	97.7	79.0 118.4
184	30.7	24.6 36.8
145	29.0	23.2 34.8

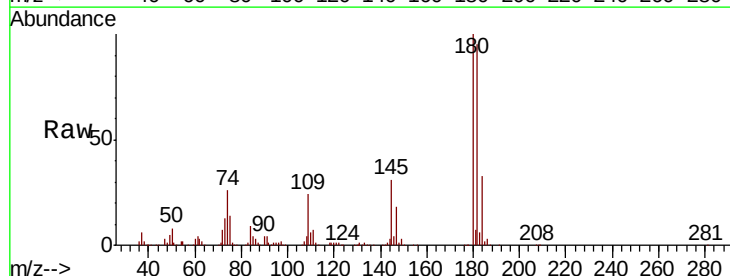


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

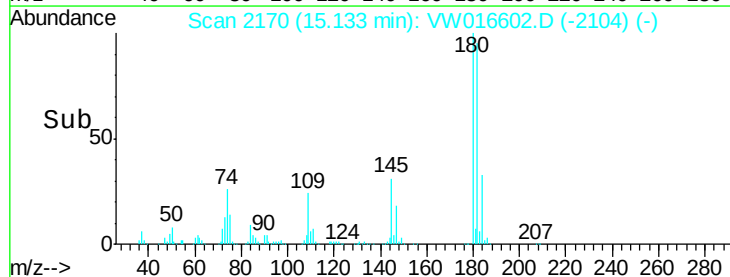
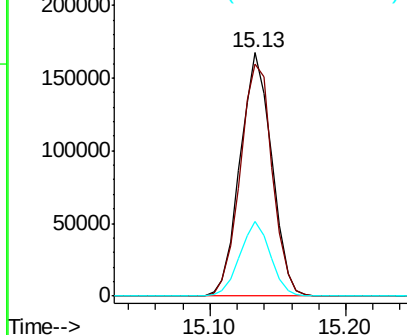


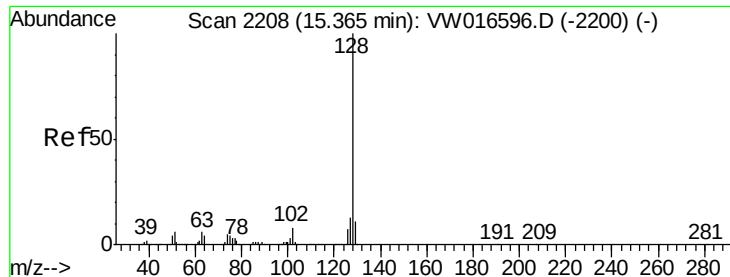
#70
 1,2,4-trichlorobenzene
 Concen: 27.294 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016602.D
 Acq: 21 Sep 2020 18:03

Tgt Ion:180	Resp:	272033
Ion	Ratio	Lower Upper
180	100	
182	97.0	76.1 114.1
145	29.7	24.1 36.1



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

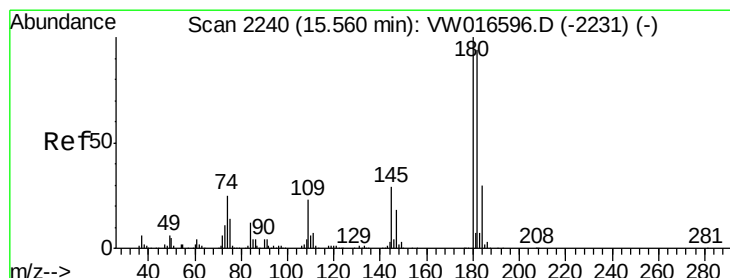
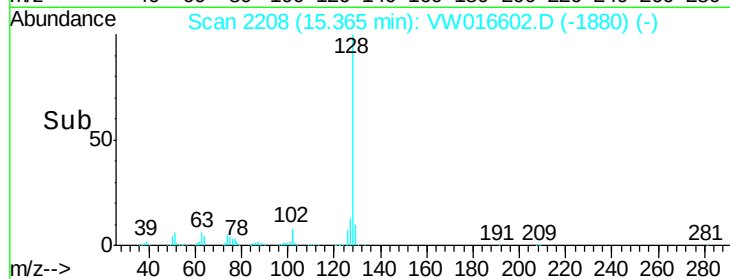
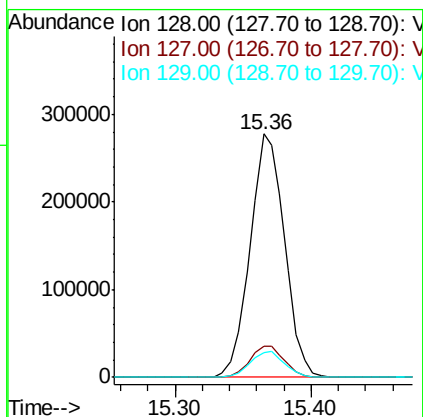
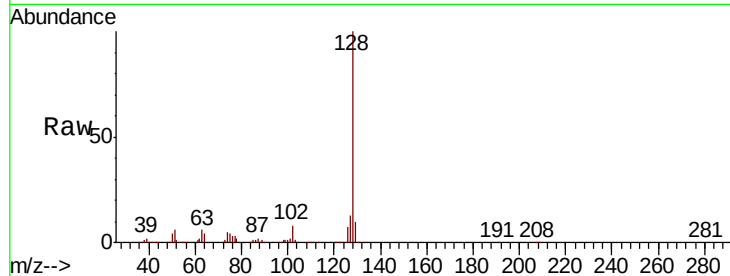




#71
Naphthalene
Concen: 29.480 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD025110

Tot Ion:128 Resp: 493082
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.6 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 27.402 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016602.D
Acq: 21 Sep 2020 18:03

Tgt Ion:180 Resp: 229306
Ion Ratio Lower Upper
180 100
182 97.2 75.5 113.3
145 32.5 24.3 36.5

