

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016467.D
 Acq On : 04 Sep 2020 16:47
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Sep 05 04:28:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 04:18:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	714127	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	653239	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	323173	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	157069	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	2.90	69	152578	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
10) 1,1-Dichloroethene-d2	4.03	63	358361	20.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.28%
20) 2-Butanone-d5	7.09	46	104201	38.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.02%
24) Chloroform-d	7.65	84	363083	21.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	8.31	65	190939	20.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.52%
29) Benzene-d6	8.28	84	698349	21.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.12%
33) 1,2-Dichloropropane-d6	9.28	67	204593	20.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.88%
37) Toluene-d8	10.33	98	683126	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.56%
38) trans-1,3-Dichloropropene-	10.58	79	102618	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.40%
39) 2-Hexanone-d5	10.93	63	83766	42.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	183188	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	247824	22.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	187900	23.518	ug/L 100
3) Chloromethane	2.22	50	174799	24.920	ug/L 100
5) Vinyl chloride	2.37	62	239128	26.765	ug/L 95
6) Bromomethane	2.79	94	189573	28.389	ug/L 100
8) Chloroethane	2.93	64	152200	27.691	ug/L 99
9) Trichlorofluoromethane	3.27	101	188872	25.813	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	226758	26.202	ug/L 96
12) 1,1-Dichloroethene	4.04	96	221634	25.186	ug/L 97
13) Acetone	4.14	43	74343	42.807	ug/L 99
14) Carbon disulfide	4.39	76	666104	24.769	ug/L 100
15) Methyl Acetate	4.67	43	94637	22.469	ug/L 96
16) Methylene chloride	4.93	84	230430	20.676	ug/L 93
17) Methyl tert-butyl Ether	5.43	73	335228	25.394	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	235220	25.165	ug/L 91
19) 1,1-Dichloroethane	6.22	63	387981	24.388	ug/L 97
21) 2-Butanone	7.18	43	123928	42.516	ug/L 95
22) cis-1,2-Dichloroethene	7.18	96	245639	25.225	ug/L 98

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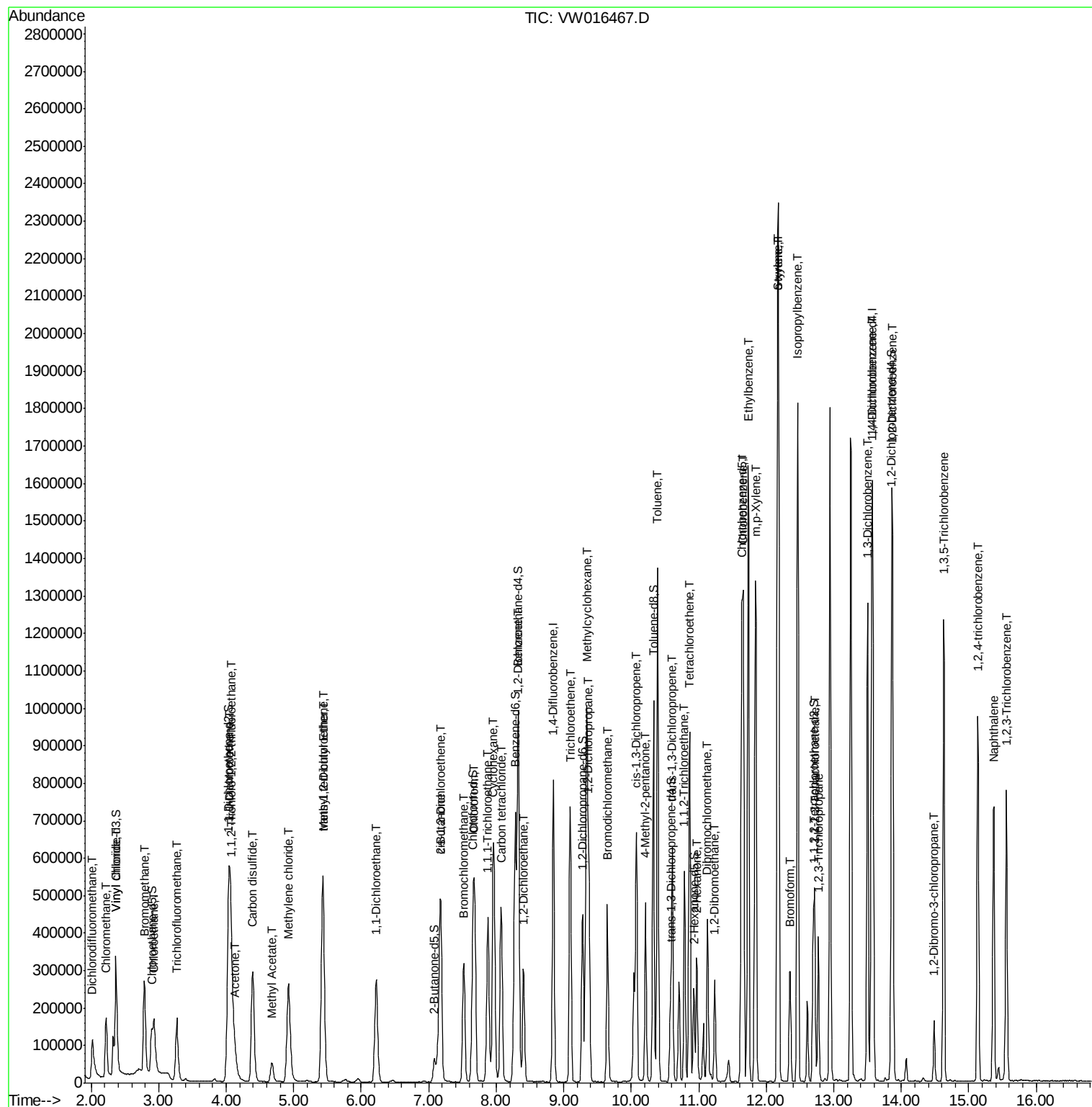
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	114341	25.332	ug/L	91
25) Chloroform	7.68	83	413383	25.105	ug/L	100
27) 1,2-Dichloroethane	8.40	62	270801	24.697	ug/L	99
30) Cyclohexane	7.96	56	364932	23.387	ug/L	95
31) 1,1,1-Trichloroethane	7.88	97	365905	25.868	ug/L	97
32) Carbon tetrachloride	8.07	117	346612	25.619	ug/L	99
34) Benzene	8.33	78	891820	24.970	ug/L	100
35) Trichloroethene	9.10	95	249523	25.213	ug/L	99
36) Methylcyclohexane	9.34	83	428380	24.740	ug/L	96
40) 1,2-Dichloropropane	9.37	63	215050	24.352	ug/L	99
41) Bromodichloromethane	9.65	83	311570	25.237	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	374307	24.978	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	291803	46.665	ug/L	96
44) Toluene	10.39	91	1000313	25.029	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	330398	24.666	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	177148	25.311	ug/L	98
47) Tetrachloroethene	10.87	164	205321	25.876	ug/L	91
49) 2-Hexanone	10.97	43	202329	46.461	ug/L	98
50) Dibromochloromethane	11.13	129	227287	25.682	ug/L	100
51) 1,2-Dibromoethane	11.24	107	179408	25.652	ug/L	98
52) Chlorobenzene	11.66	112	660667	26.059	ug/L	97
53) Ethylbenzene	11.73	91	1156585	25.692	ug/L	100
54) m,p-Xylene	11.84	106	448492	26.067	ug/L	95
55) o-xylene	12.17	106	428025	26.117	ug/L	97
56) Styrene	12.18	104	730457	25.940	ug/L	94
57) Isopropylbenzene	12.46	105	1171460	26.093	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	211238	25.318	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	153767	24.659	ug/L	98
62) Bromoform	12.35	173	134753	24.849	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	522653	25.688	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	508611	25.211	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	457940	25.321	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	39064	23.197	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	371939	26.522	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	299531	24.694	ug/L	97
69) Naphthalene	15.37	128	656816	25.657	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	267888	25.723	ug/L	98

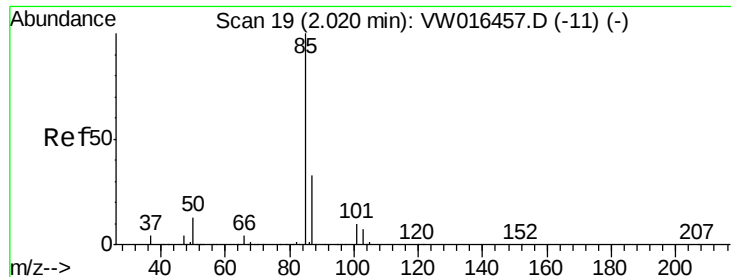
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.518 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

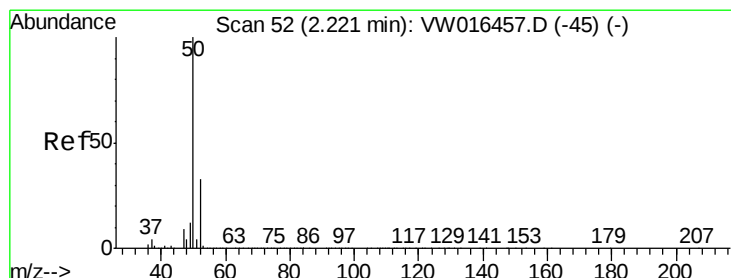
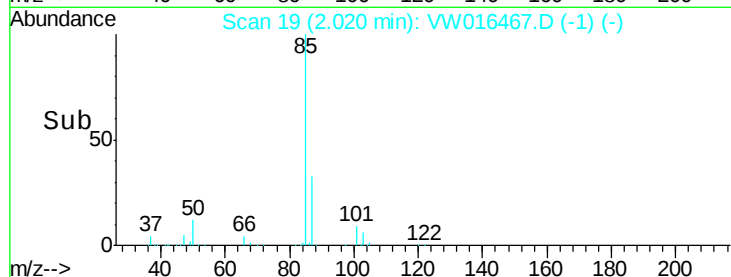
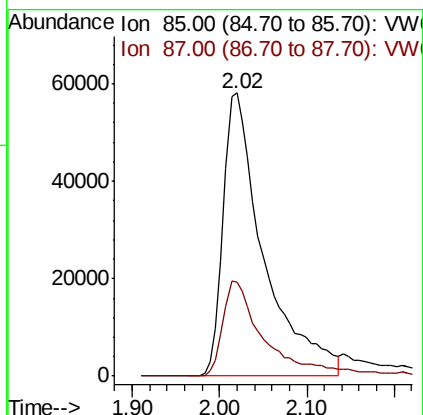
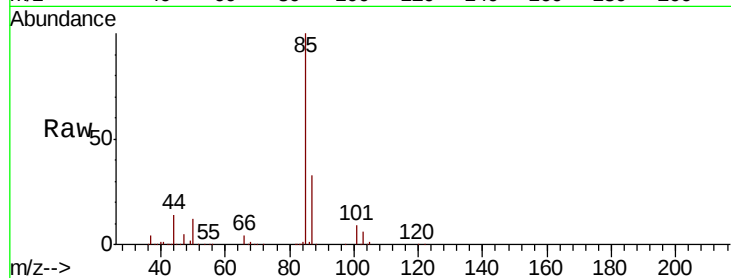
VSTD02510

Tot Ion: 85 Resp: 187900

Ion Ratio Lower Upper

85 100

87 31.7 22.3 41.5



#3

Chloromethane

Concen: 24.920 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016467.D

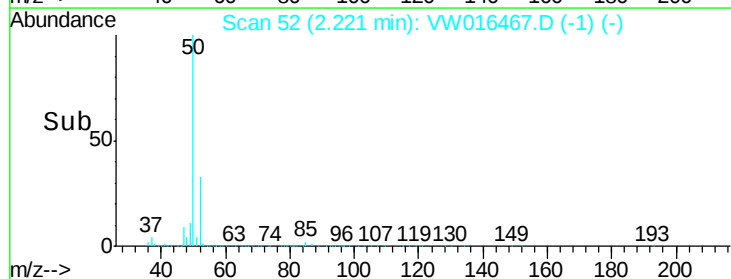
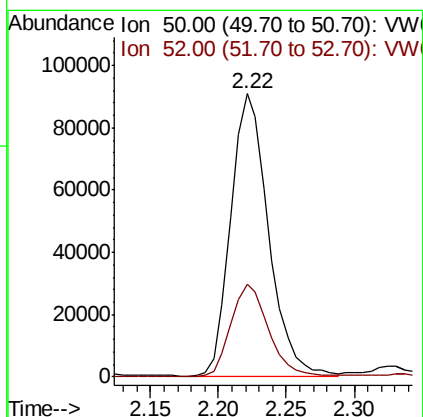
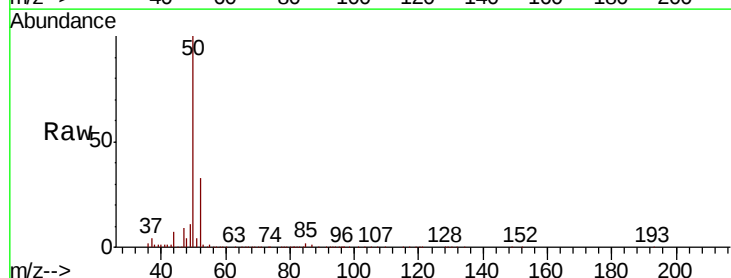
Acq: 04 Sep 2020 16:47

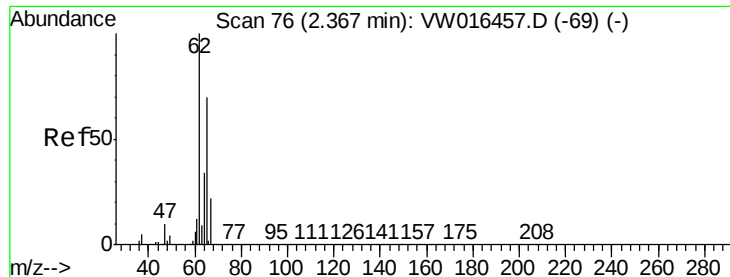
Tgt Ion: 50 Resp: 174799

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6





#5

Vinyl chloride

Concen: 26.765 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

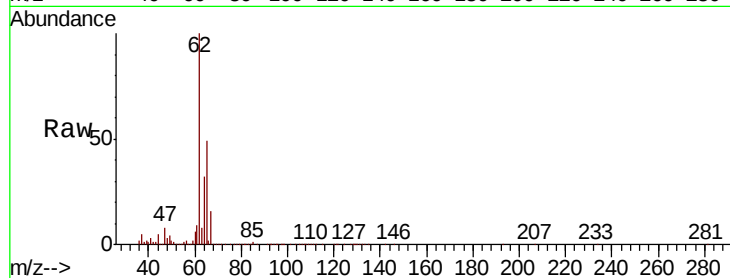
VSTD02510

Tot Ion: 62 Resp: 239128

Ion Ratio Lower Upper

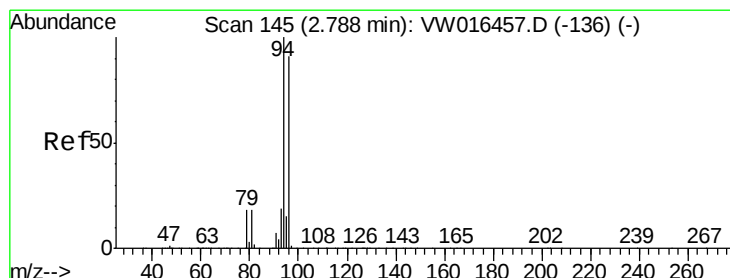
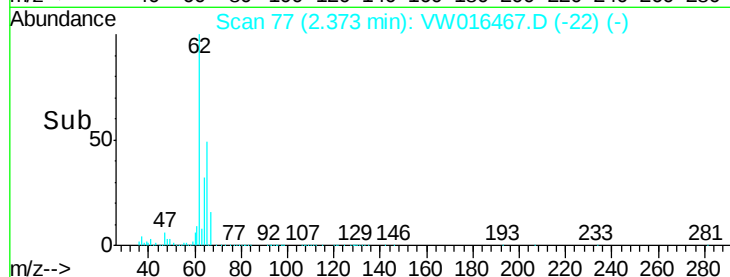
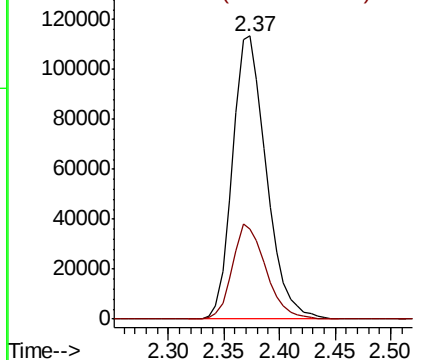
62 100

64 31.6 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 28.389 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016467.D

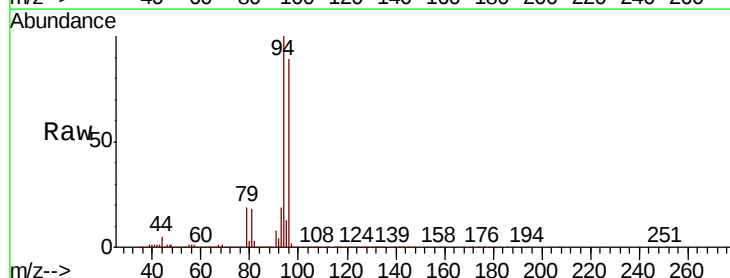
Acq: 04 Sep 2020 16:47

Tgt Ion: 94 Resp: 189573

Ion Ratio Lower Upper

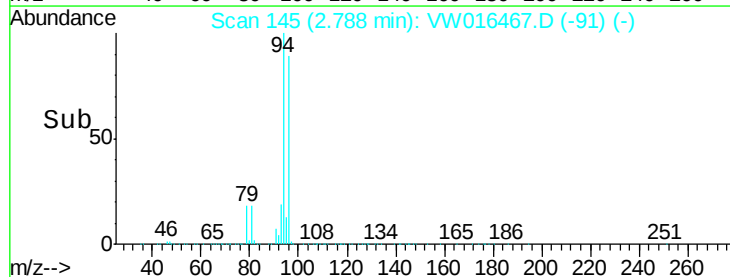
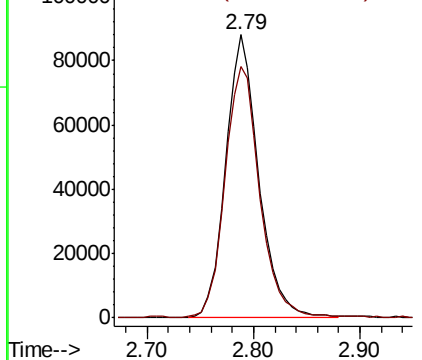
94 100

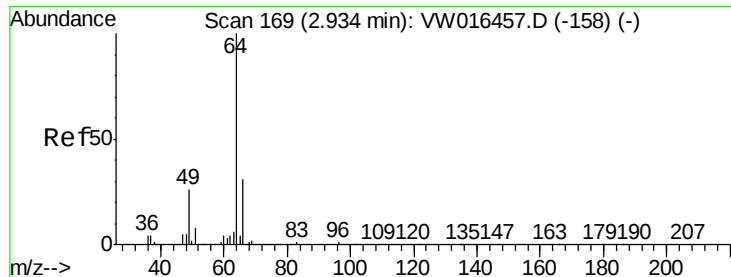
96 93.9 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 27.691 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

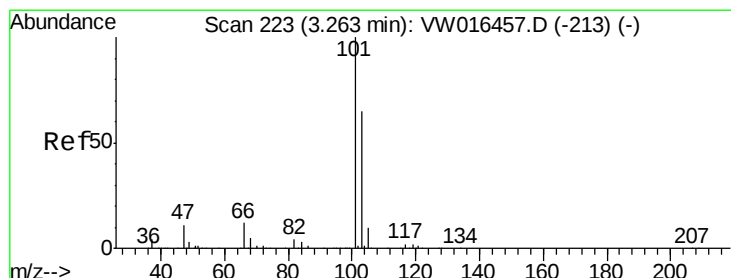
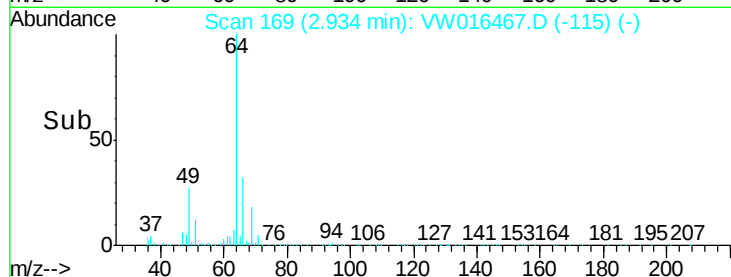
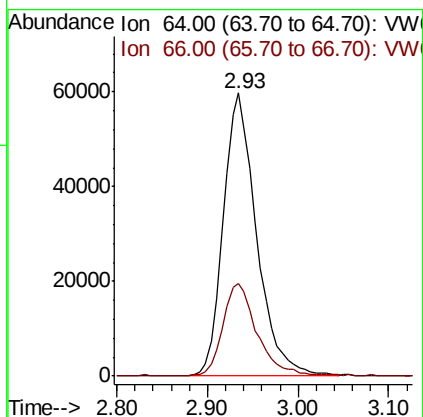
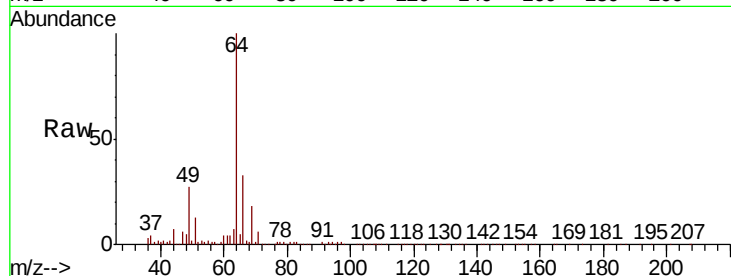
VSTD02510

Tot Ion: 64 Resp: 152200

Ion Ratio Lower Upper

64 100

66 32.6 22.4 41.6



#9

Trichlorofluoromethane

Concen: 25.813 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW016467.D

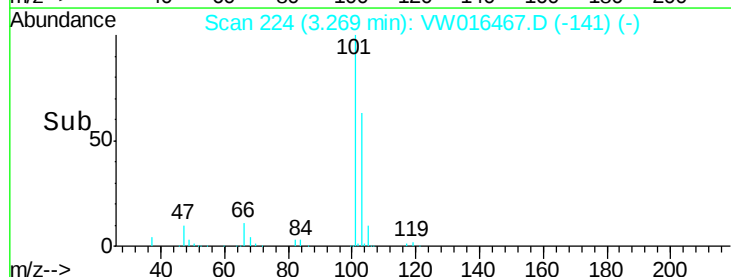
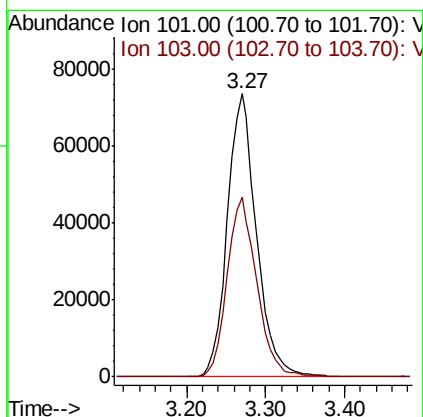
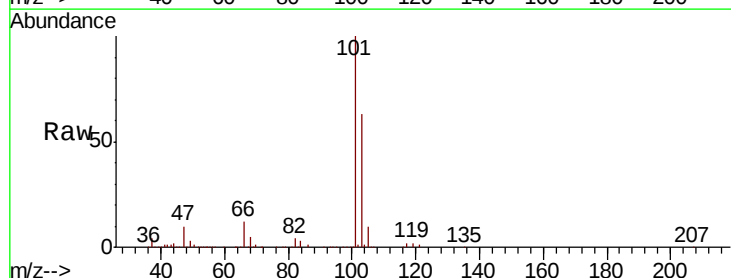
Acq: 04 Sep 2020 16:47

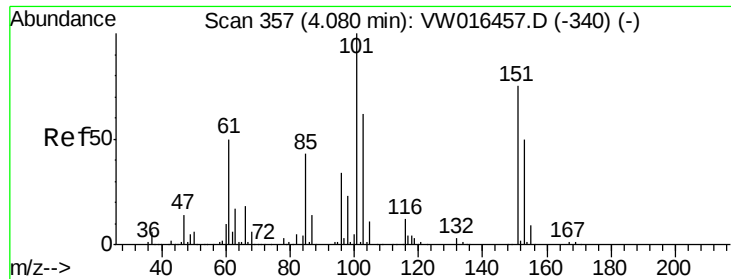
Tgt Ion: 101 Resp: 188872

Ion Ratio Lower Upper

101 100

103 64.3 45.1 83.7





#11

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

Concen: 26.202 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

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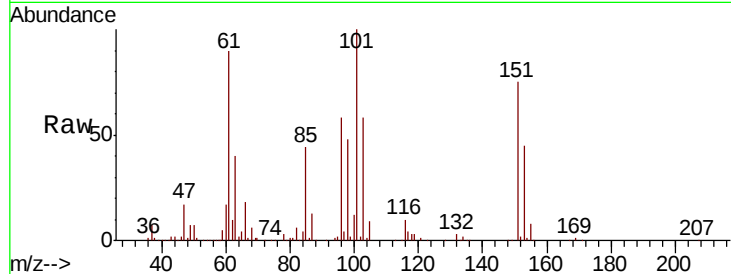
Tot Ion:101 Resp: 226758

Ion Ratio Lower Upper

101 100

85 43.4 33.4 50.0

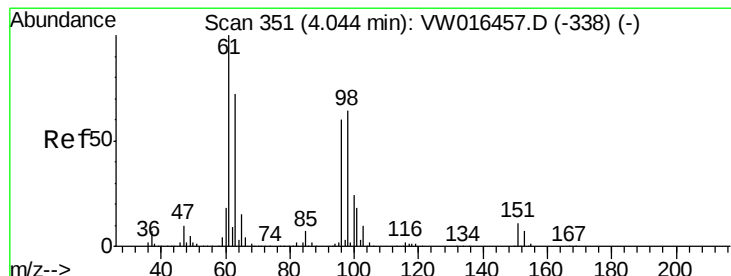
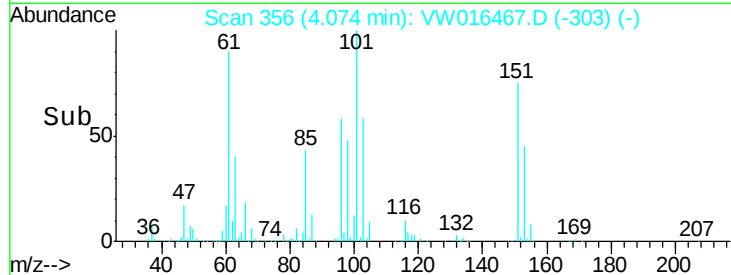
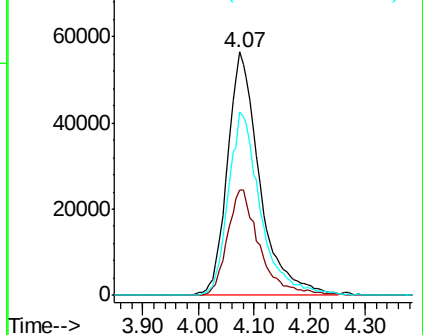
151 72.9 61.6 92.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.186 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

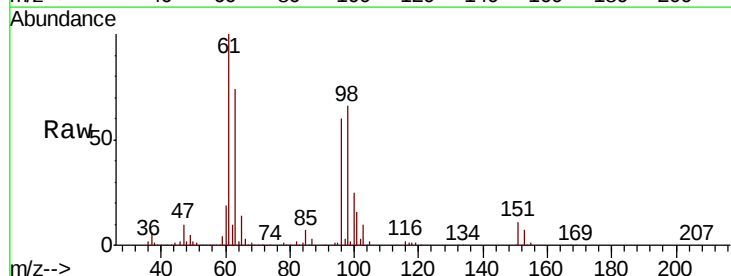
Tgt Ion: 96 Resp: 221634

Ion Ratio Lower Upper

96 100

61 166.9 116.5 216.3

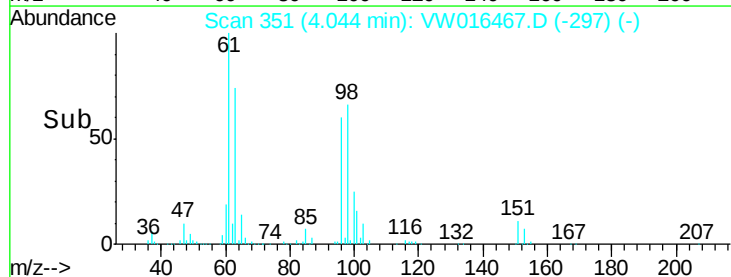
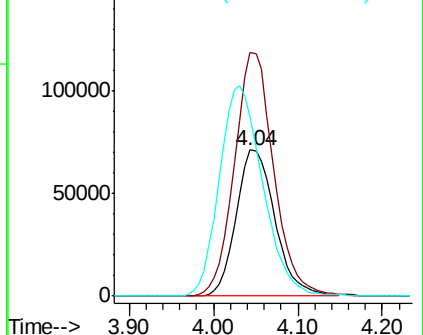
63 122.8 81.1 150.5

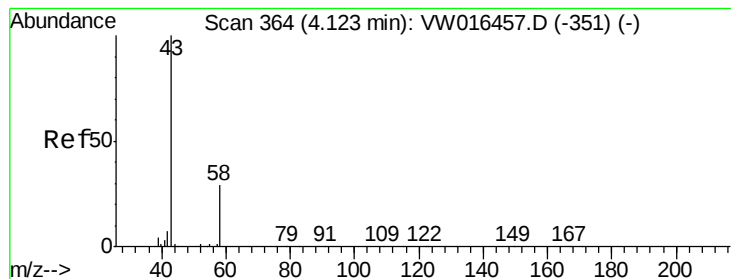


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.807 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

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MSVOA_W

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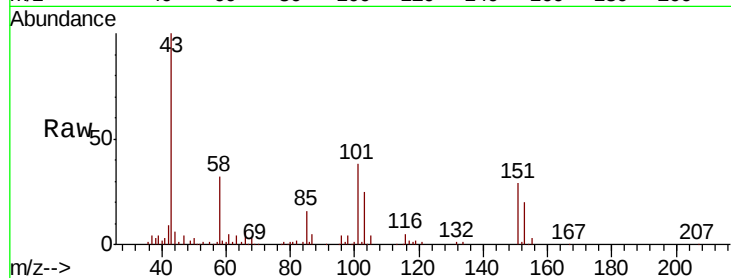
VSTD02510

Tot Ion: 43 Resp: 74343

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

30000

25000

20000

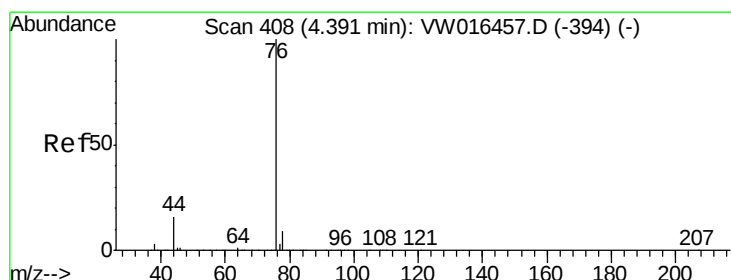
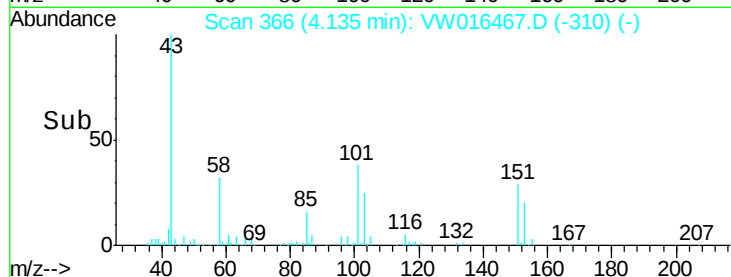
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 24.769 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016467.D

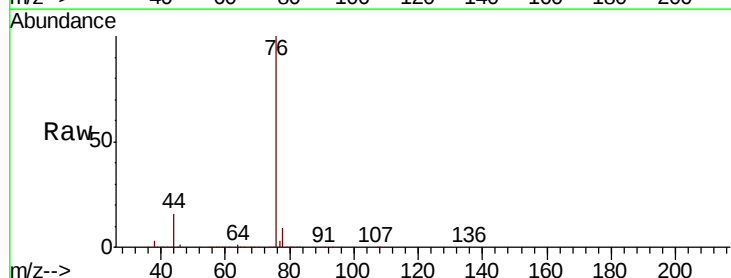
Acq: 04 Sep 2020 16:47

Tgt Ion: 76 Resp: 666104

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

250000

200000

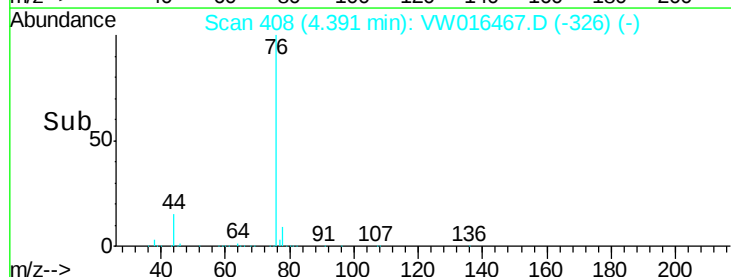
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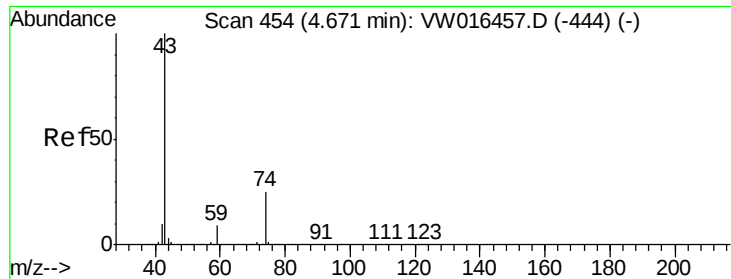
100000

50000

0

Time-->

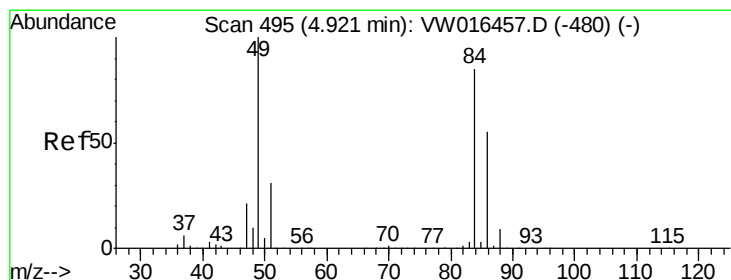
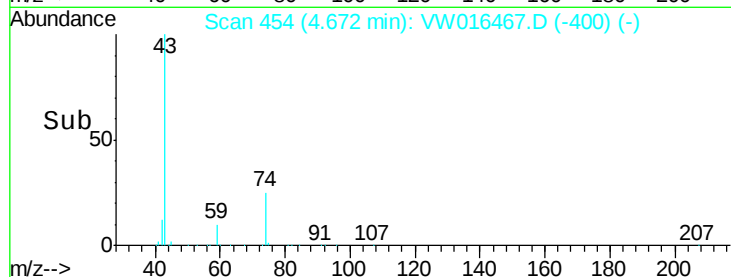
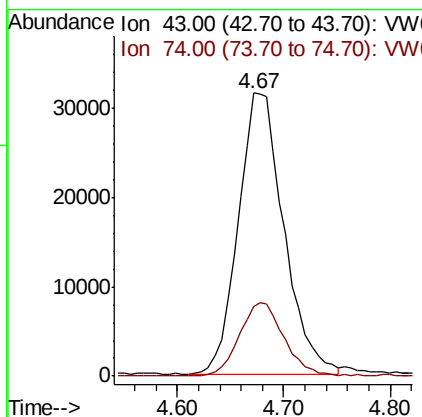
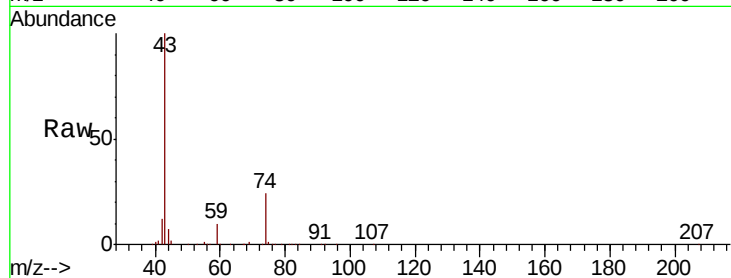




#15
Methvl Acetate
Concen: 22.469 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

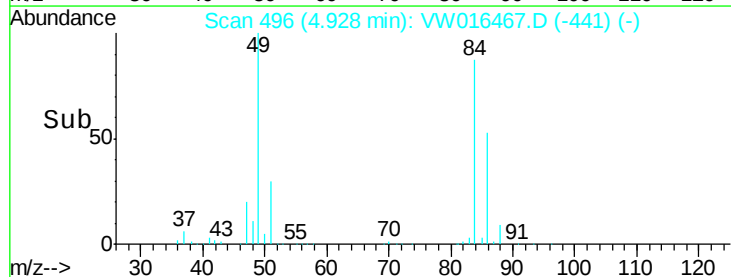
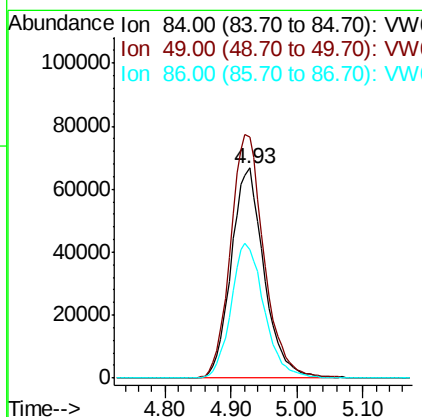
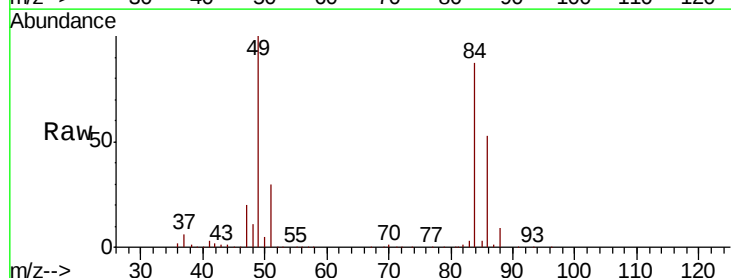
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

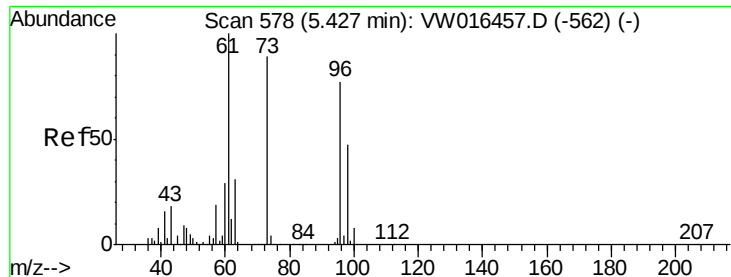
Tot Ion: 43 Resp: 94637
Ion Ratio Lower Upper
43 100
74 25.6 18.9 28.3



#16
Methylene chloride
Concen: 20.676 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Tgt Ion: 84 Resp: 230430
Ion Ratio Lower Upper
84 100
49 114.7 86.7 160.9
86 61.0 44.9 83.5



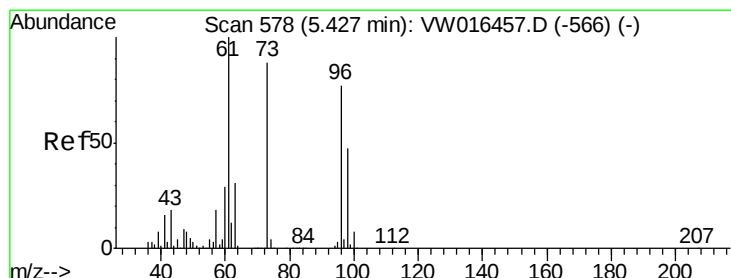
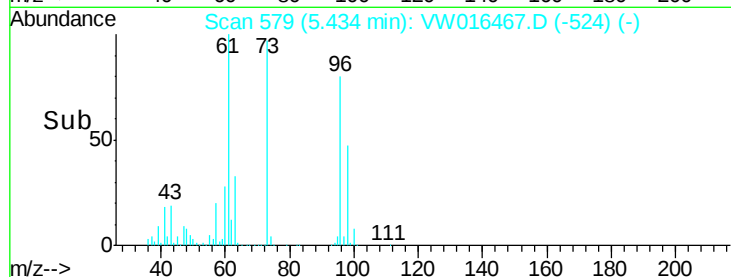
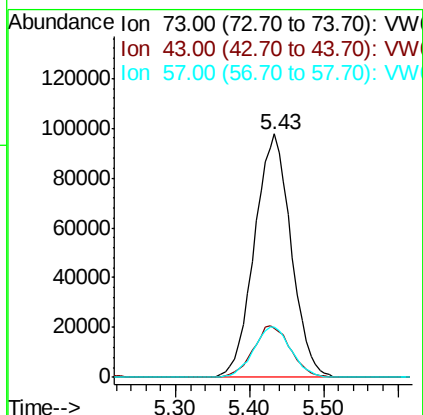
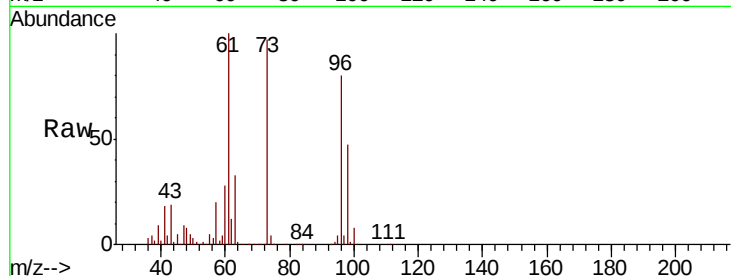


#17
Methvl tert-butvl Ether
Concen: 25.394 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Tot Ion: 73 Resp: 335228

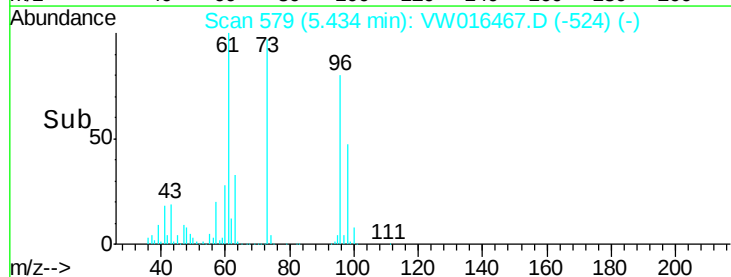
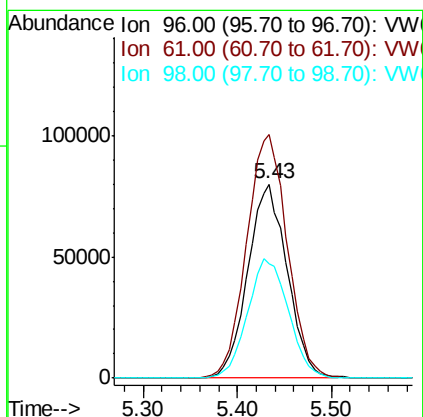
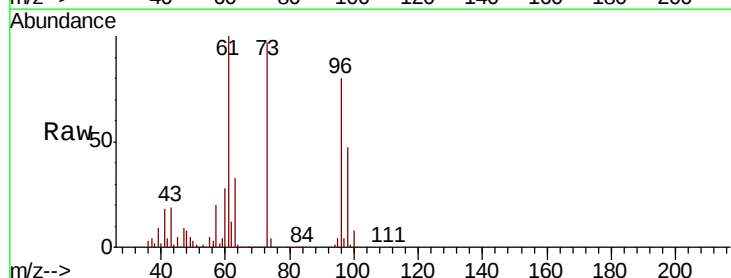
Ion	Ratio	Lower	Upper
73	100		
43	20.9	17.9	26.9
57	21.1	17.4	26.0

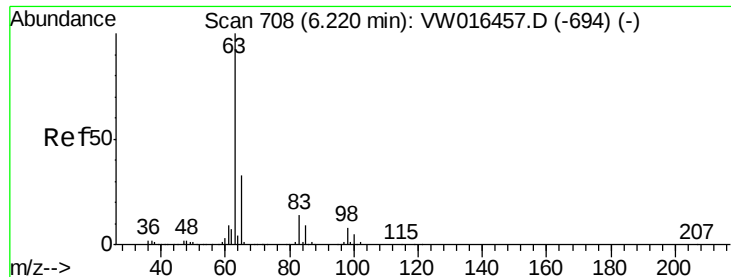


#18
trans-1,2-Dichloroethene
Concen: 25.165 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Tgt Ion: 96 Resp: 235220

Ion	Ratio	Lower	Upper
96	100		
61	125.3	96.4	179.0
98	58.7	45.1	83.7

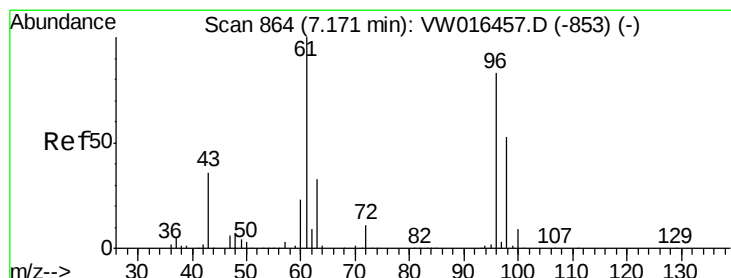
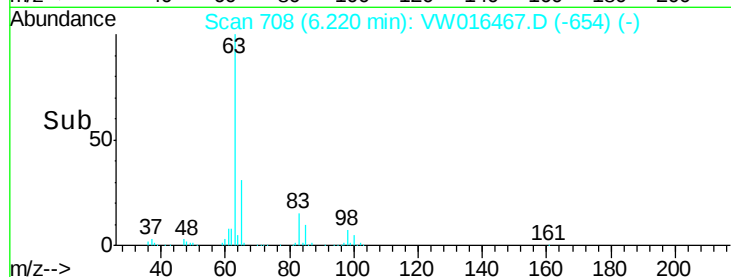
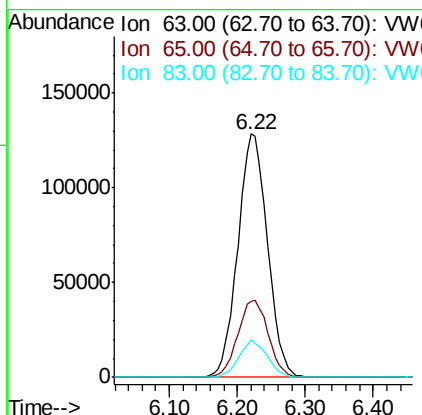
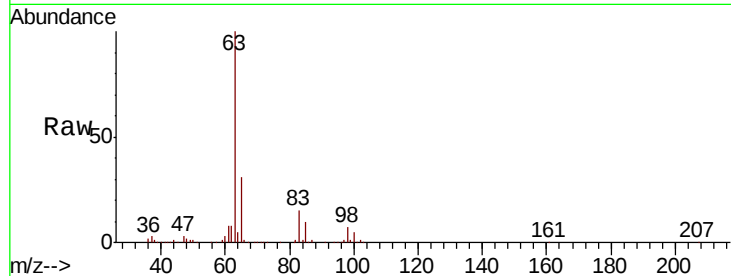




#19
 1,1-Dichloroethane
 Concen: 24.388 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

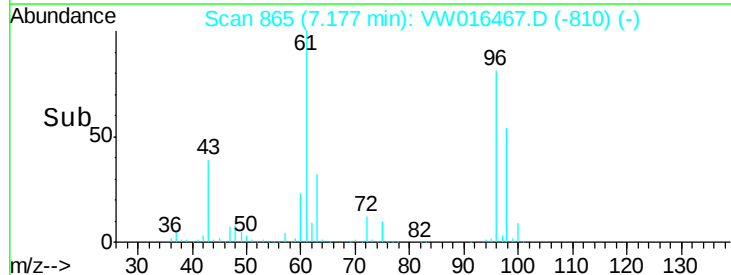
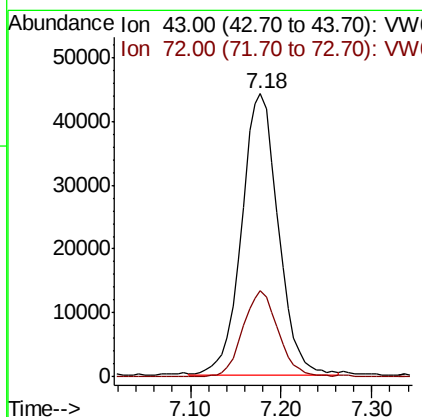
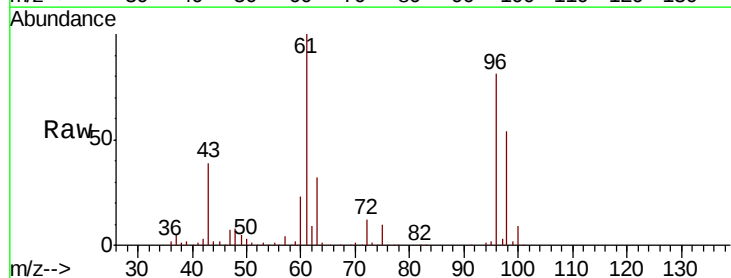
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

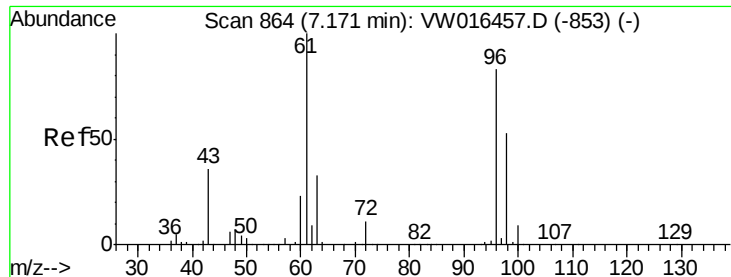
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.3	43.3
83	15.3	10.3	19.1



#21
 2-Butanone
 Concen: 42.516 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	13.5	40.4



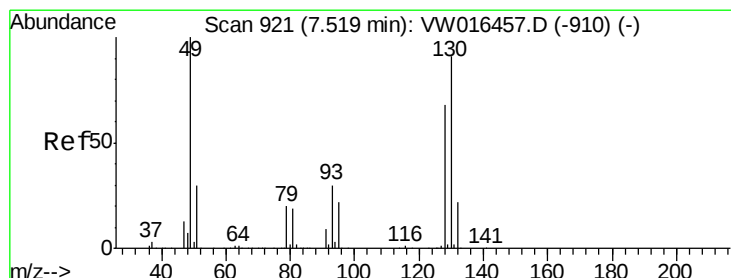
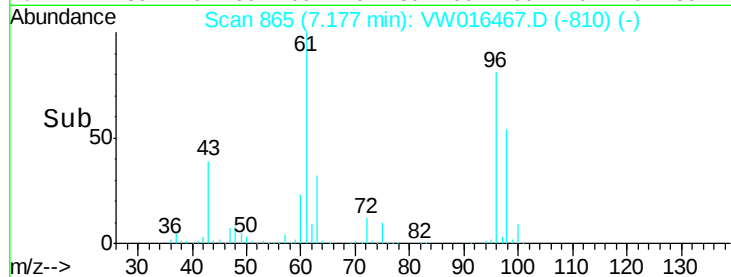
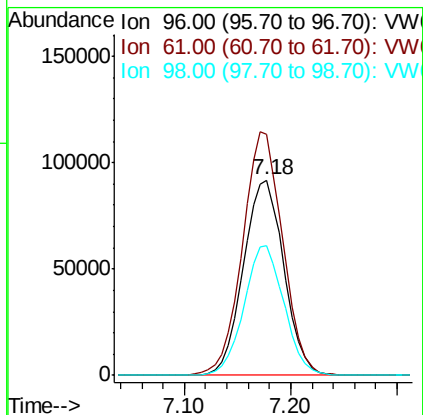
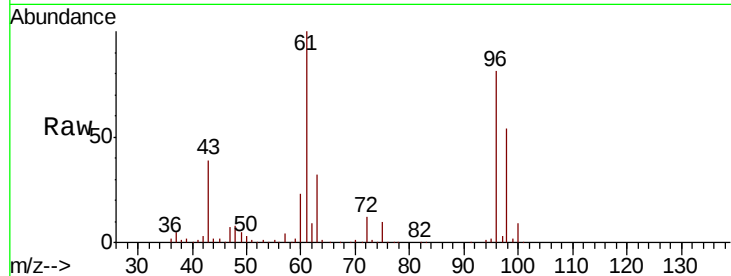


#22

cis-1,2-Dichloroethene
 Concen: 25.225 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

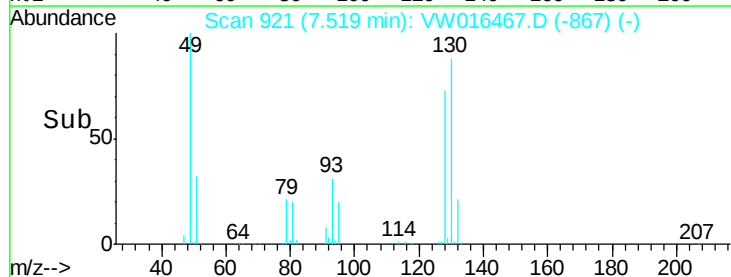
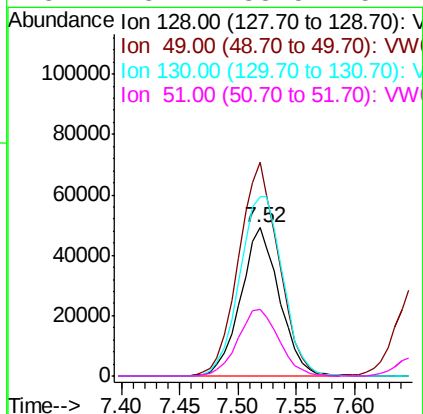
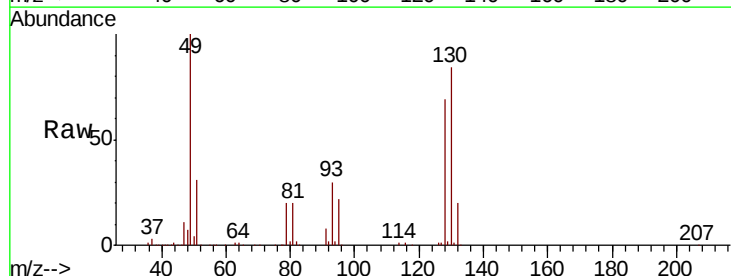
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	86.1	159.9
98	66.5	44.1	81.9

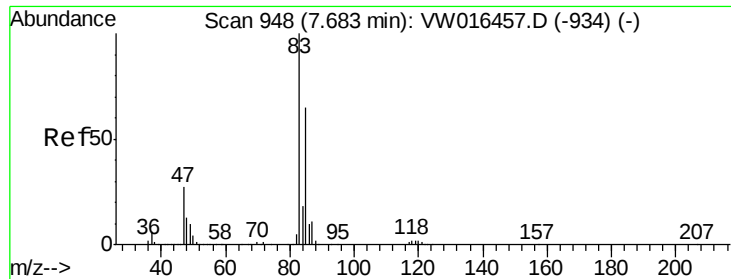


#23

Bromochloromethane
 Concen: 25.332 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
128	100		
49	144.1	111.6	207.4
130	121.0	90.9	168.7
51	45.1	38.5	57.7

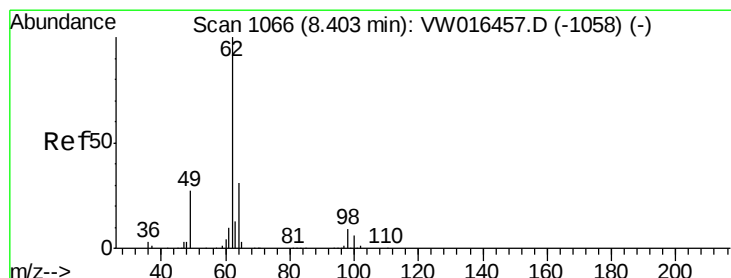
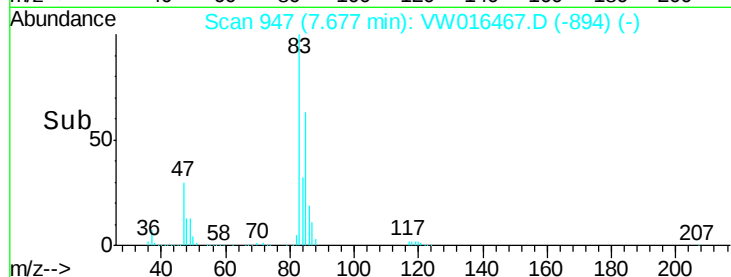
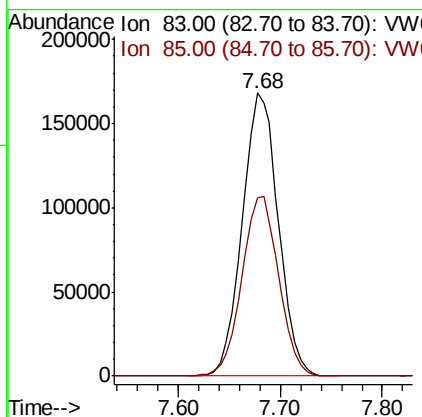
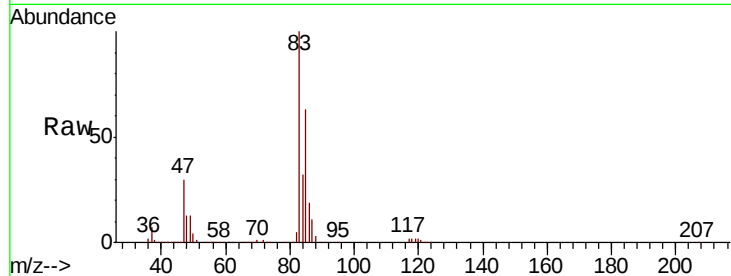




#25
Chloroform
Concen: 25.105 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

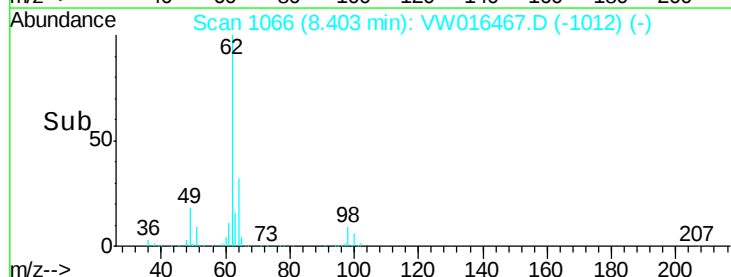
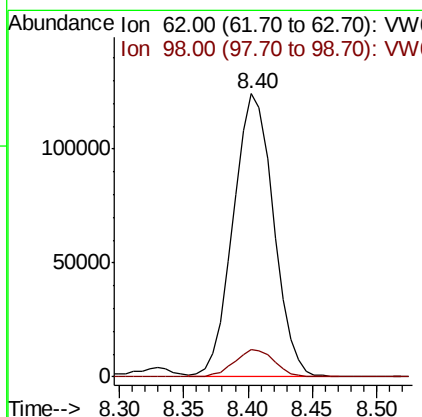
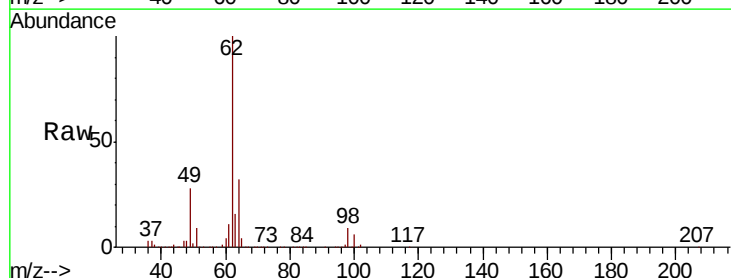
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

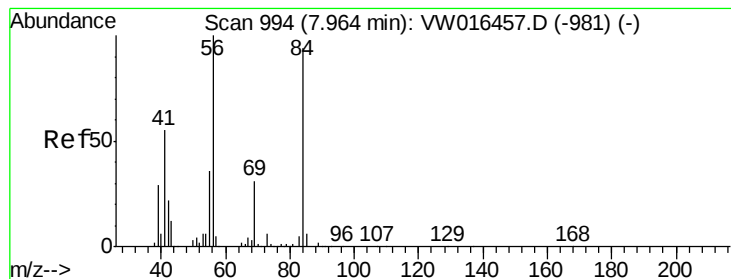
Tot Ion: 83 Resp: 413383
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.697 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Tgt Ion: 62 Resp: 270801
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#30

Cyclohexane

Concen: 23.387 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

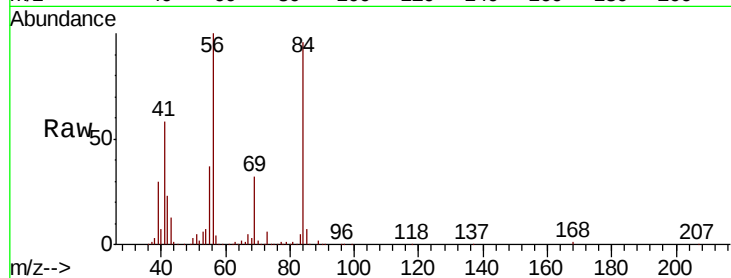
Tot Ion: 56 Resp: 364932

Ion Ratio Lower Upper

56 100

69 32.5 25.3 37.9

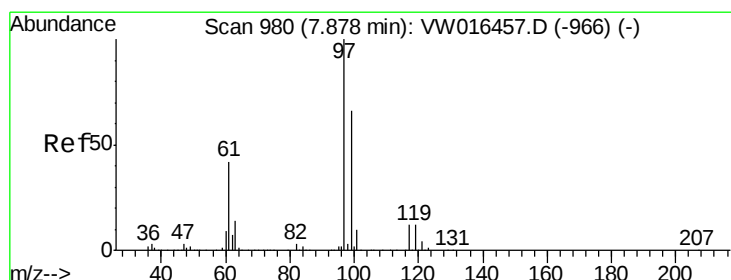
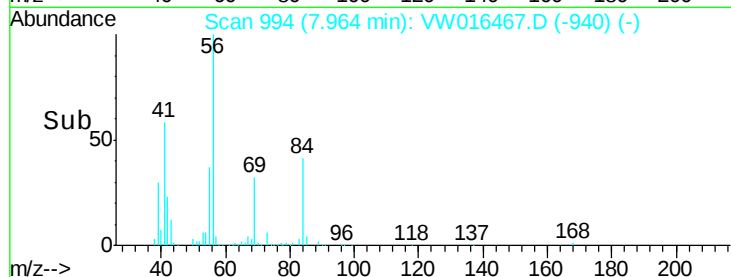
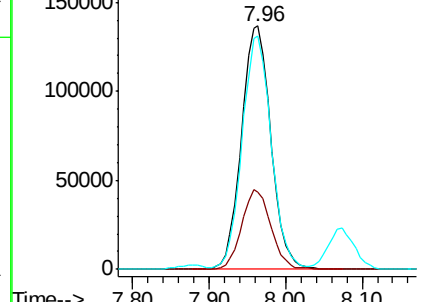
84 95.1 71.6 107.4



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



#31

1,1,1-Trichloroethane

Concen: 25.868 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

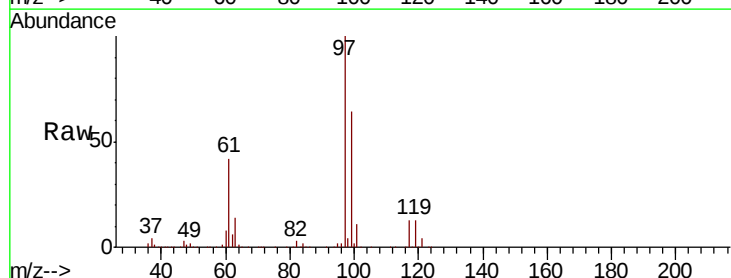
Tgt Ion: 97 Resp: 365905

Ion Ratio Lower Upper

97 100

99 64.0 52.2 78.2

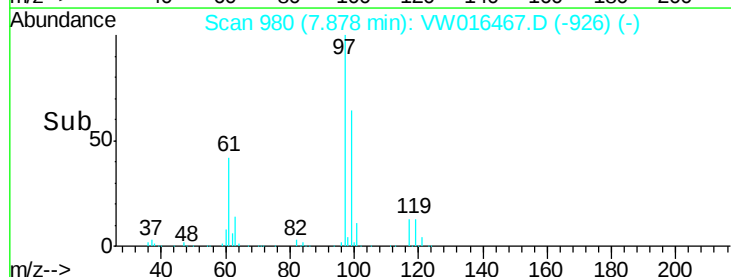
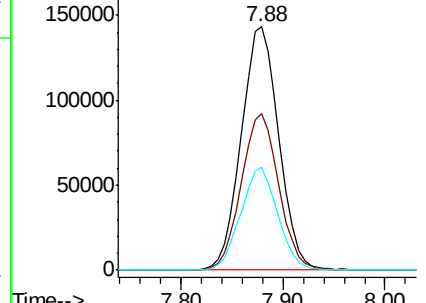
61 41.7 36.3 54.5

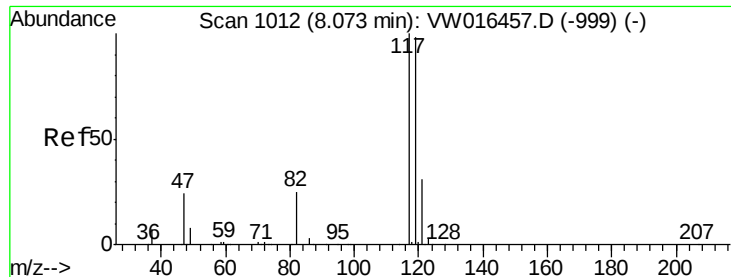


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.619 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

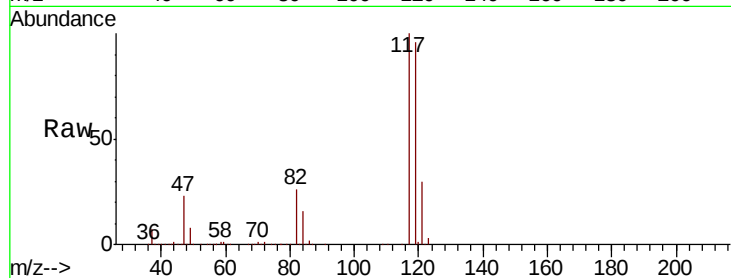
VSTD02510

Tot Ion:117 Resp: 346612

Ion Ratio Lower Upper

117 100

119 96.0 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

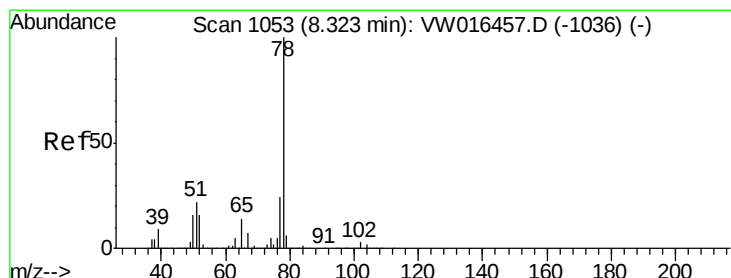
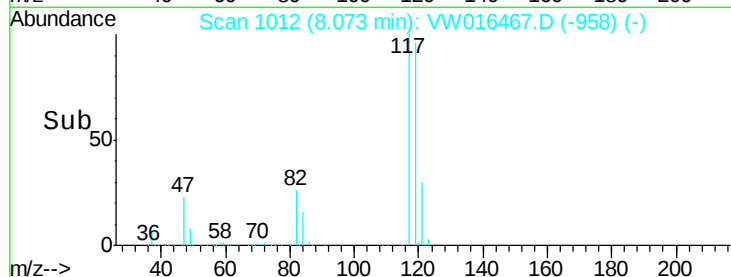
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.970 ug/L

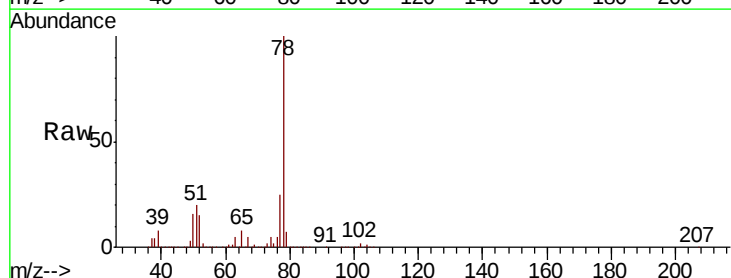
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Tgt Ion: 78 Resp: 891820



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

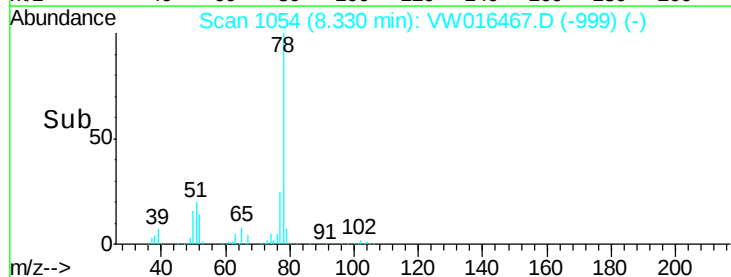
300000

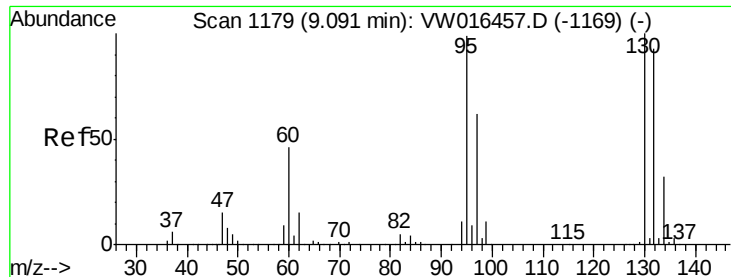
200000

100000

0

Time-->

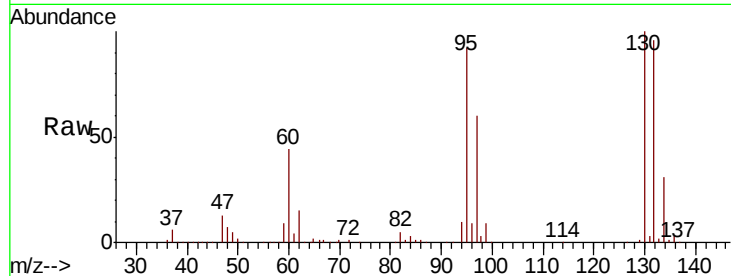




#35
 Trichloroethene
 Concen: 25.213 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion:	95	Resp:	249523
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.5
132	98.9	69.2	128.4
130	104.4	72.0	133.6



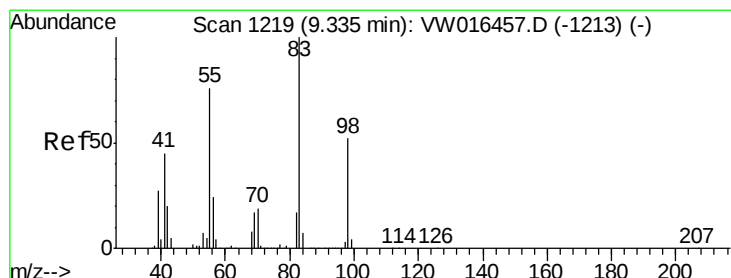
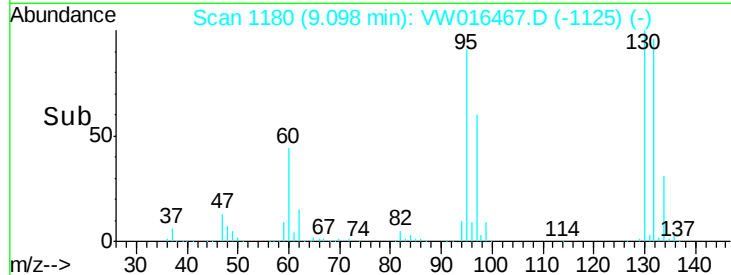
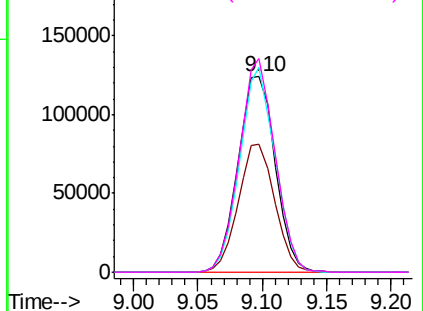
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

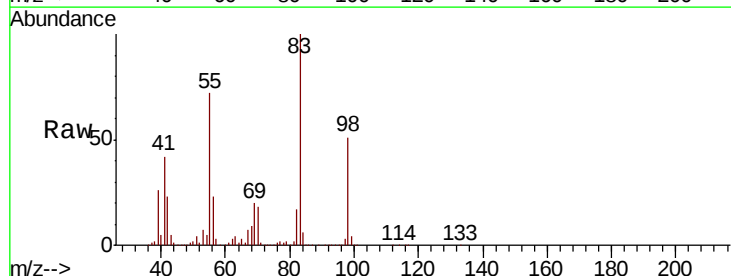
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 24.740 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Tgt Ion:	83	Resp:	428380
Ion	Ratio	Lower	Upper
83	100		
55	71.3	60.9	91.3
98	51.5	40.0	60.0

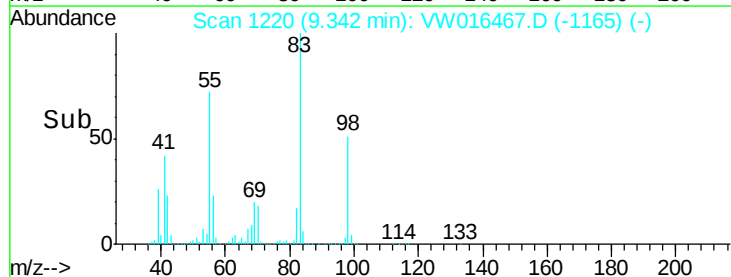
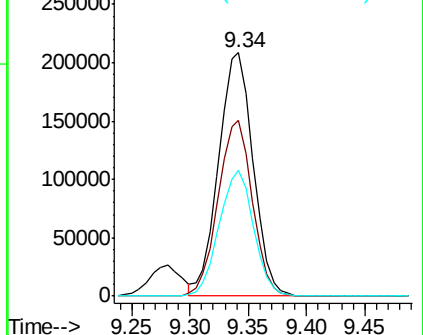


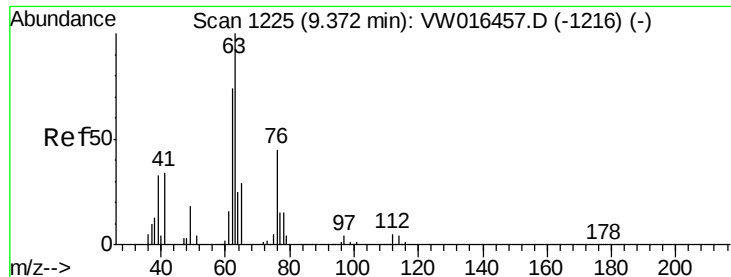
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.352 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

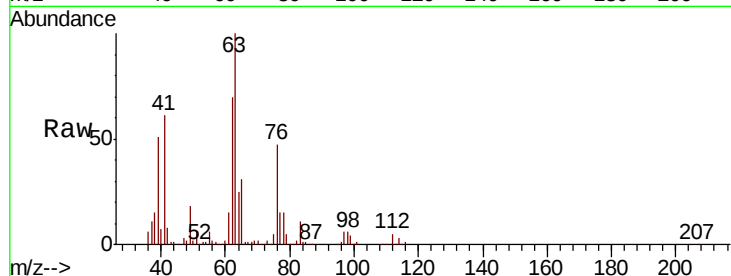
VSTD02510

Tot Ion: 63 Resp: 215050

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

120000

100000

80000

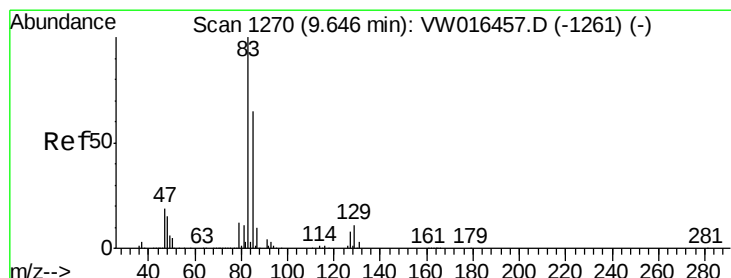
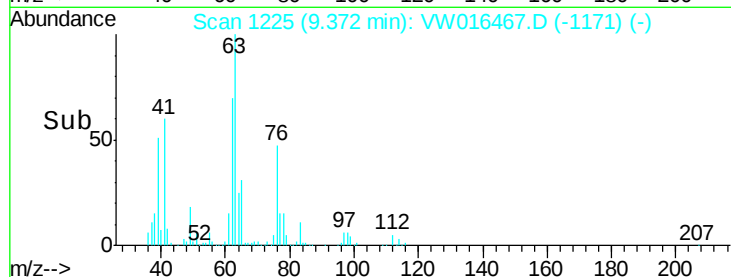
60000

40000

20000

0

Time-->



#41

Bromodichloromethane

Concen: 25.237 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

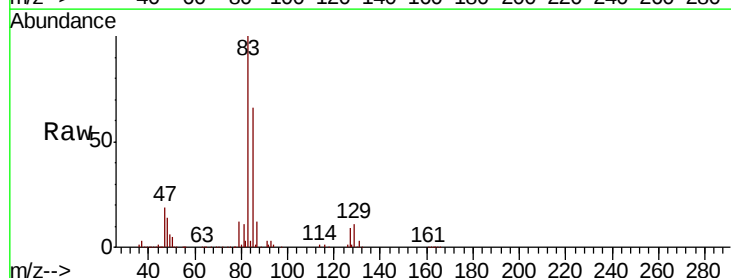
Tgt Ion: 83 Resp: 311570

Ion Ratio Lower Upper

83 100

85 66.5 43.5 80.7

127 9.0 6.7 10.1



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

200000

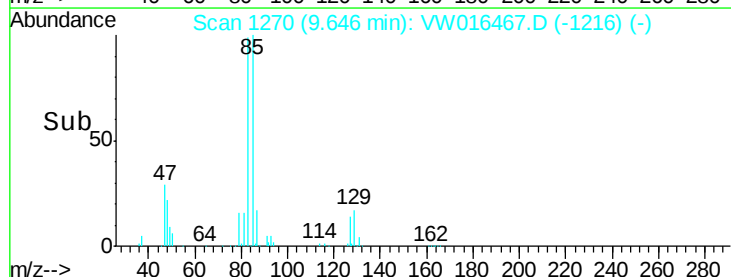
150000

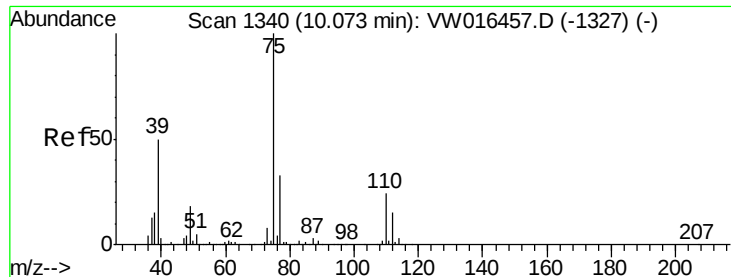
100000

50000

0

Time-->

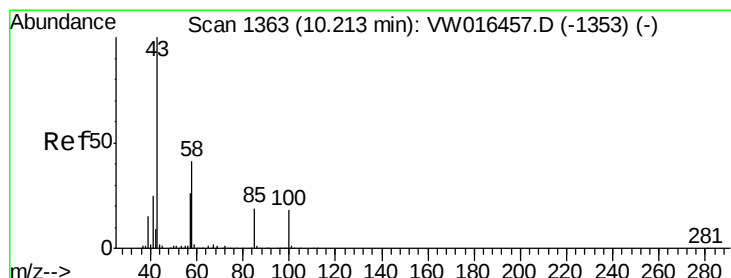
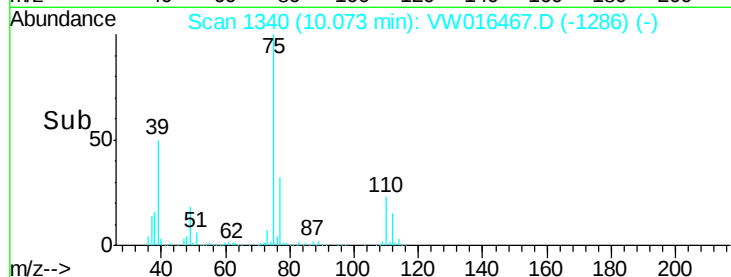
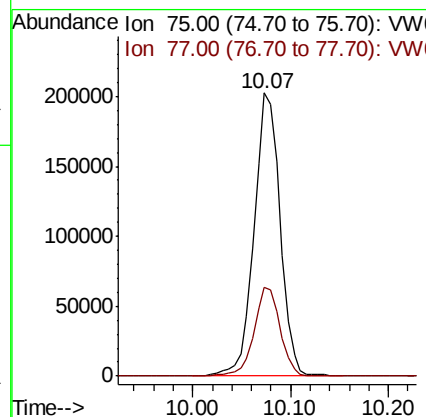
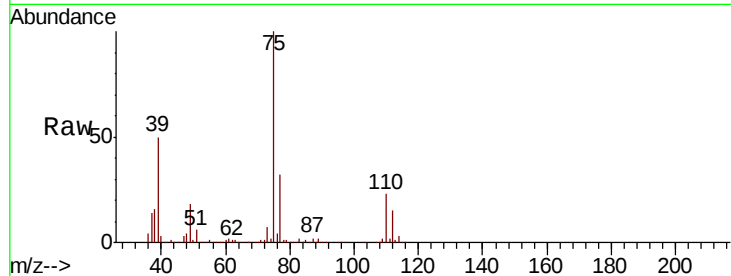




#42
 cis-1,3-Dichloropropene
 Concen: 24.978 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

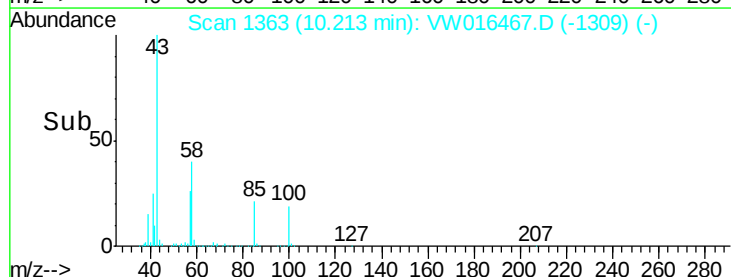
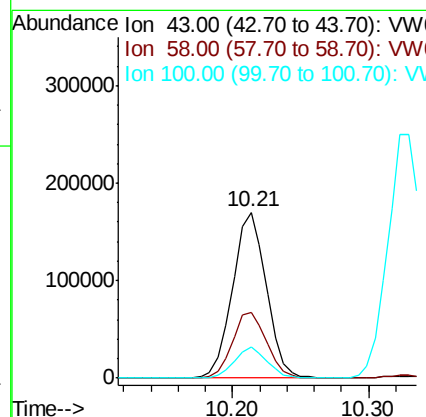
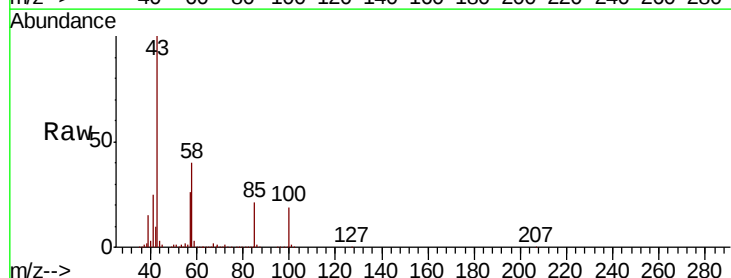
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

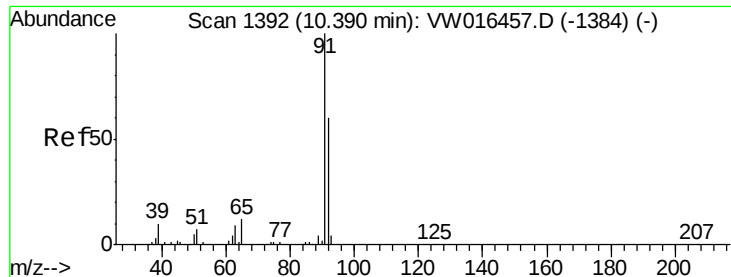
Tot Ion: 75 Resp: 374307
 Ion Ratio Lower Upper
 75 100
 77 31.5 20.9 38.7



#43
 4-Methyl-2-pentanone
 Concen: 46.665 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Tgt Ion: 43 Resp: 291803
 Ion Ratio Lower Upper
 43 100
 58 40.5 30.6 45.8
 100 18.1 13.0 19.6





#44

Toluene

Concen: 25.029 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

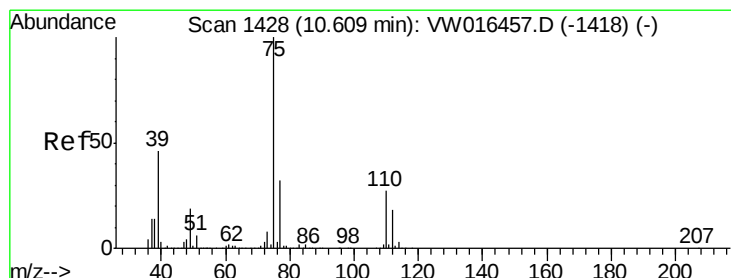
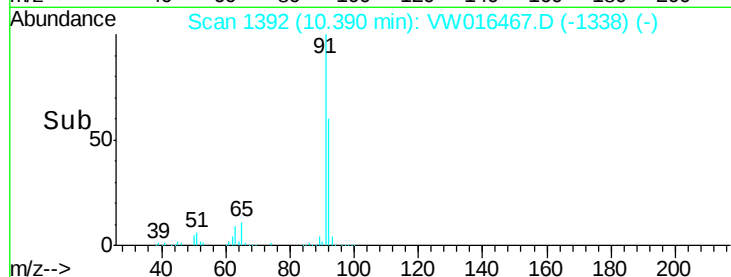
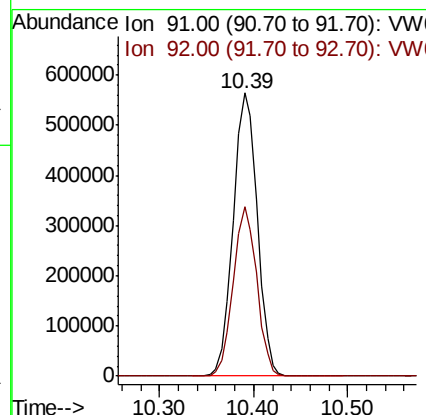
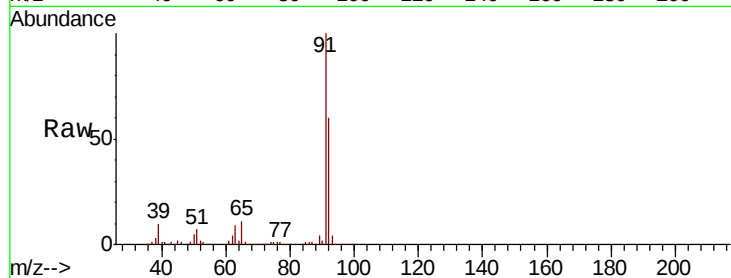
VSTD02510

Tot Ion: 91 Resp: 1000313

Ion Ratio Lower Upper

91 100

92 60.0 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 24.666 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016467.D

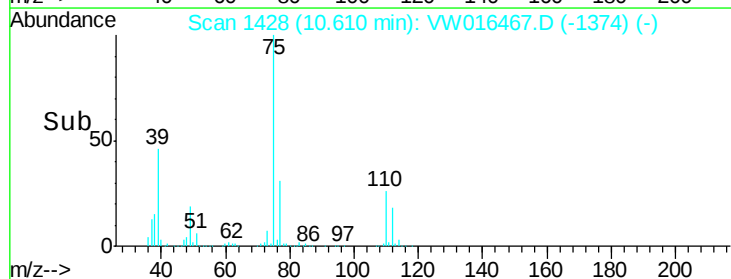
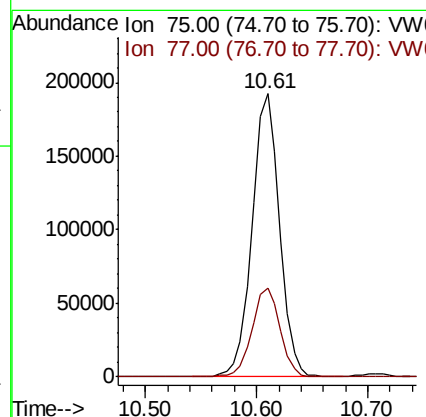
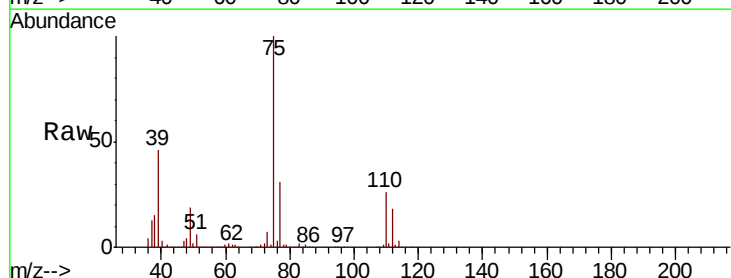
Acq: 04 Sep 2020 16:47

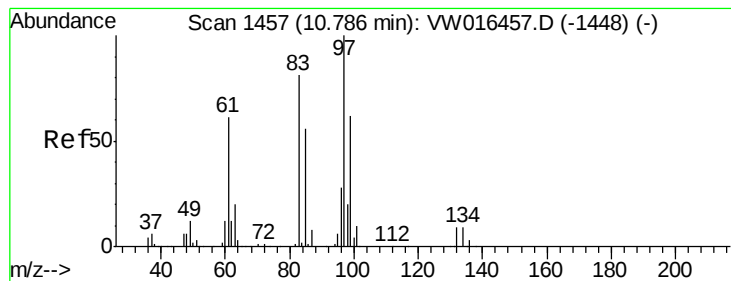
Tgt Ion: 75 Resp: 330398

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 25.311 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion: 97 Resp: 177148

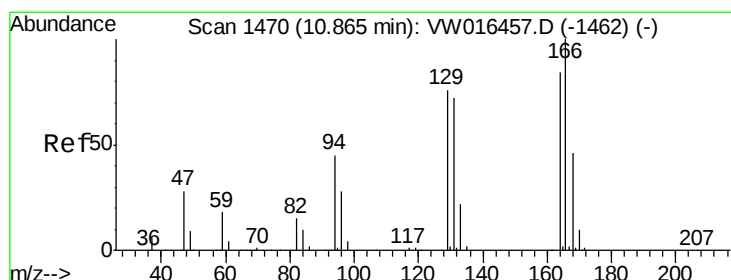
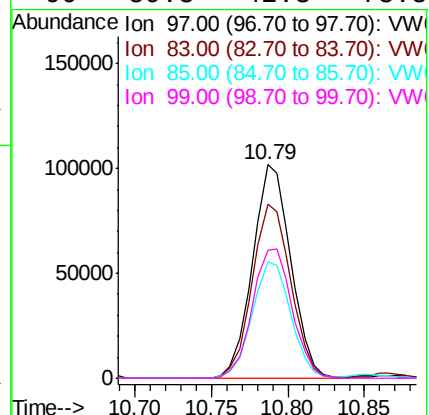
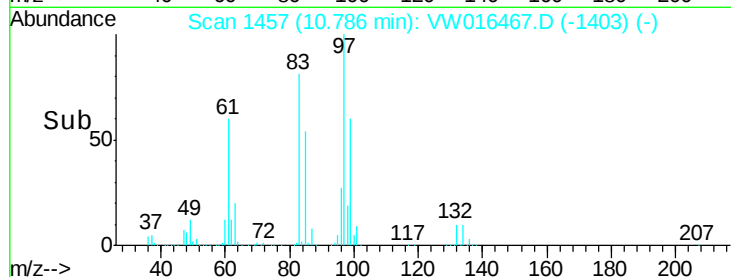
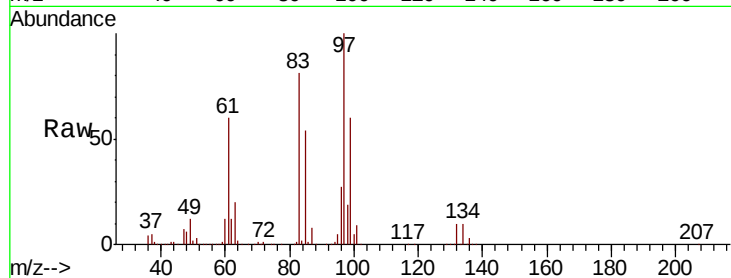
Ion Ratio Lower Upper

97 100

83 81.3 59.7 110.9

85 54.4 37.6 69.8

99 59.8 42.3 78.5



#47

Tetrachloroethene

Concen: 25.876 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Tgt Ion: 164 Resp: 205321

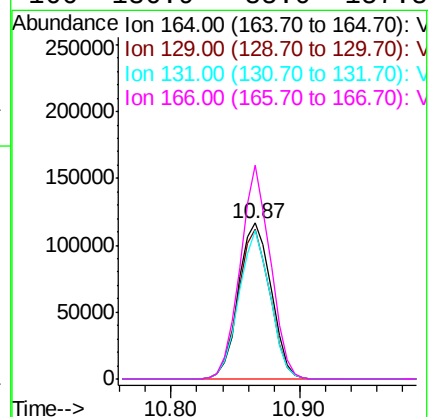
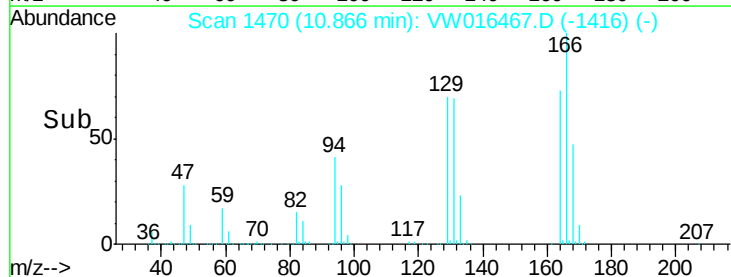
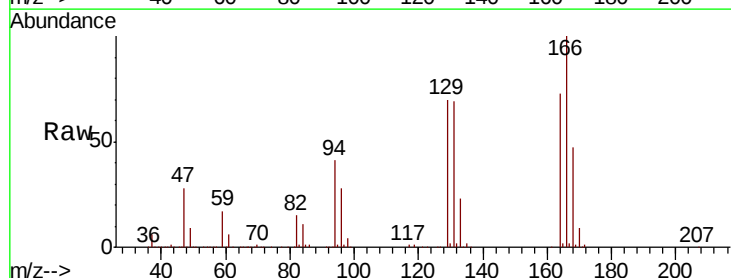
Ion Ratio Lower Upper

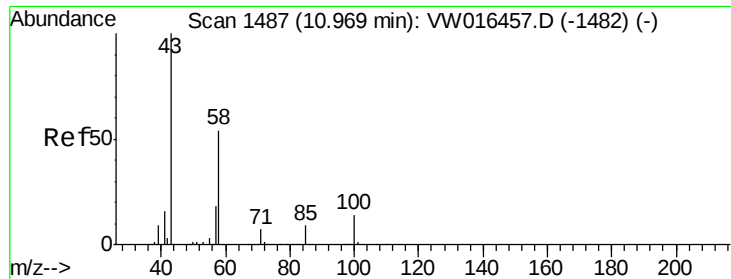
164 100

129 96.1 65.7 121.9

131 95.1 61.1 113.5

166 136.9 85.0 157.8

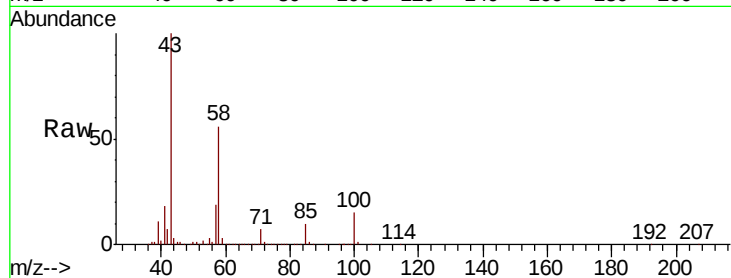




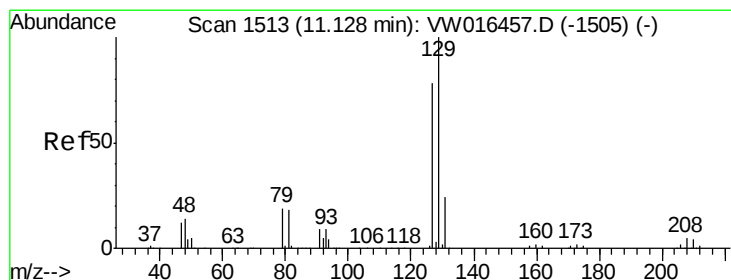
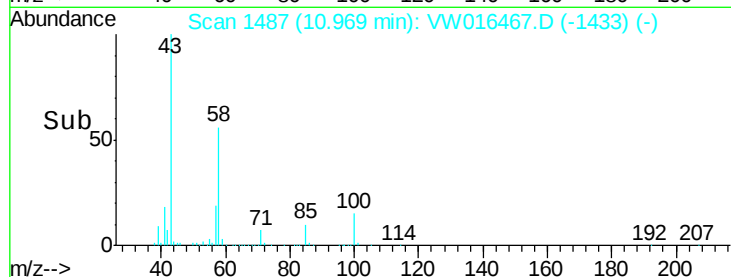
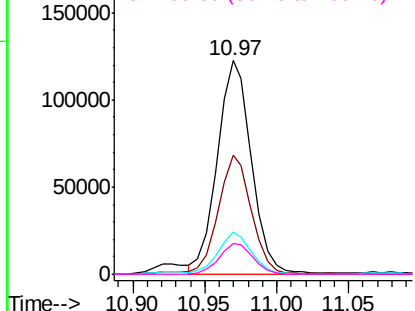
#49
2-Hexanone
Concen: 46.461 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Tot Ion: 43 Resp: 202329
Ion Ratio Lower Upper
43 100
58 53.7 42.1 63.1
57 19.0 14.9 22.3
100 14.5 10.3 15.5

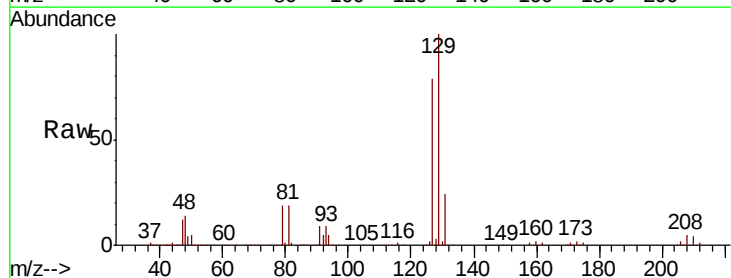


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

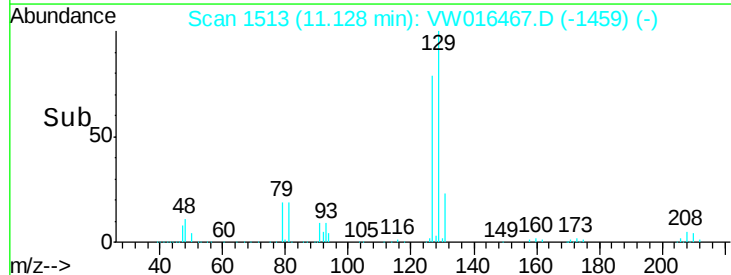
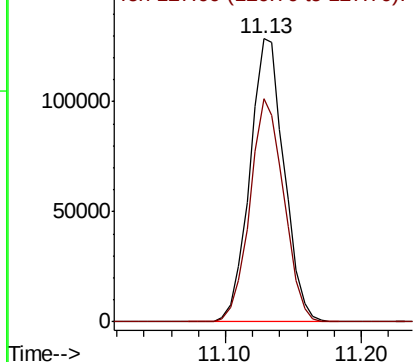


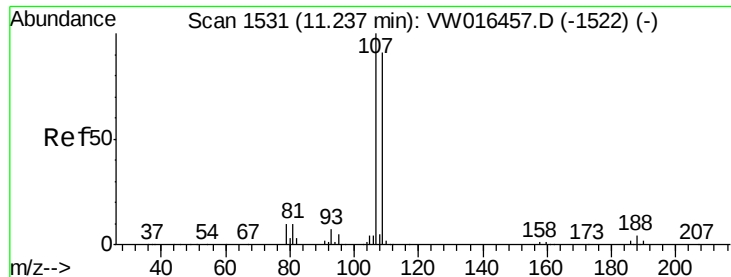
#50
Dibromochloromethane
Concen: 25.682 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Tgt Ion: 129 Resp: 227287
Ion Ratio Lower Upper
129 100
127 78.9 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

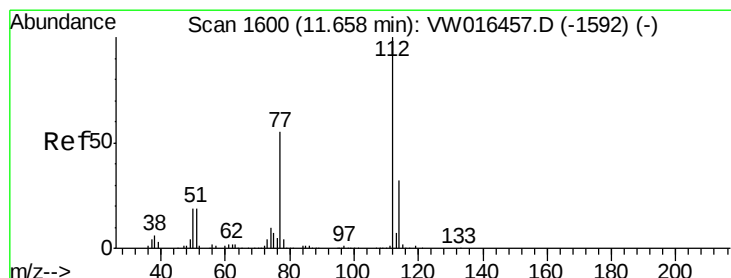
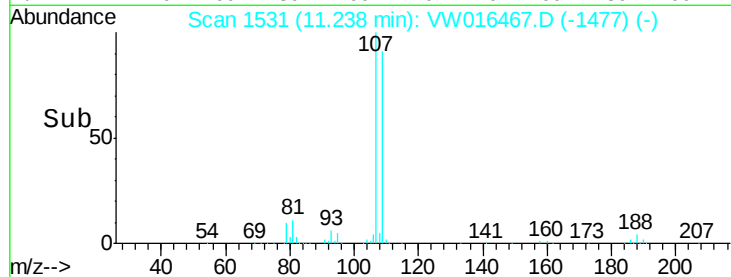
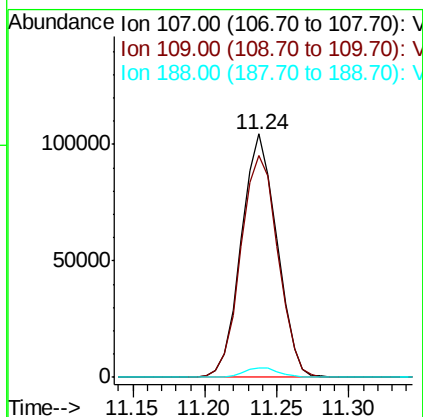
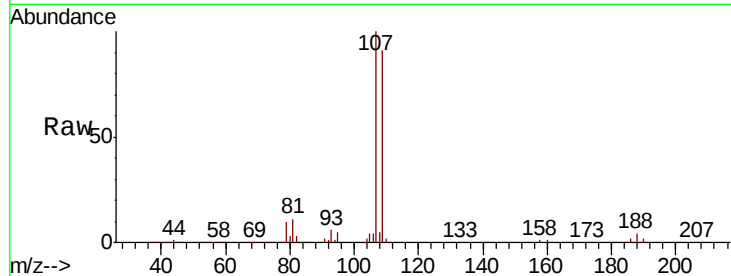




#51
1,2-Dibromoethane
Concen: 25.652 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

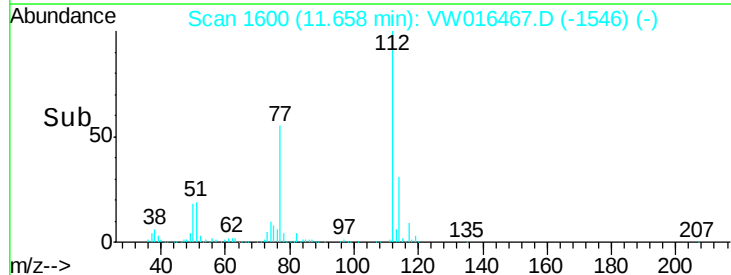
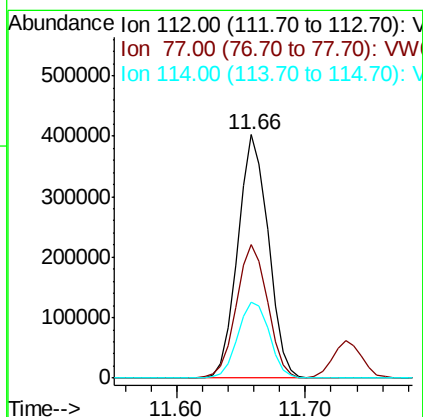
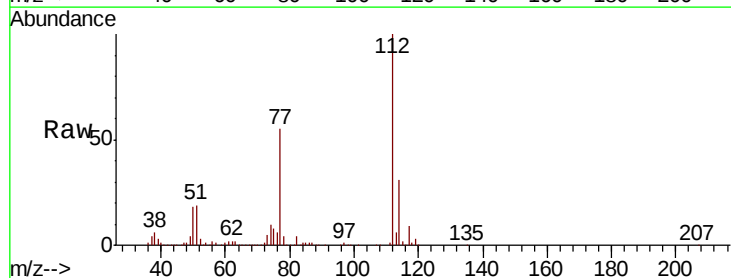
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

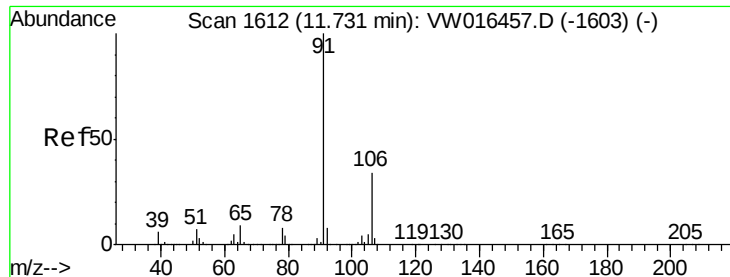
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	64.8	120.4
188	3.9	3.4	5.0



#52
Chlorobenzene
Concen: 26.059 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016467.D
Acq: 04 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.0	46.2	69.2
114	31.3	21.1	39.3





#53

Ethylbenzene

Concen: 25.692 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

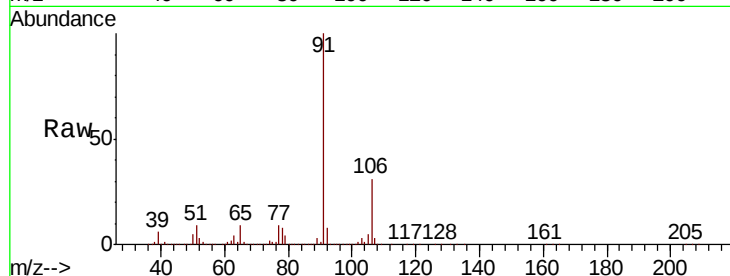
VSTD02510

Tot Ion: 91 Resp: 1156585

Ion Ratio Lower Upper

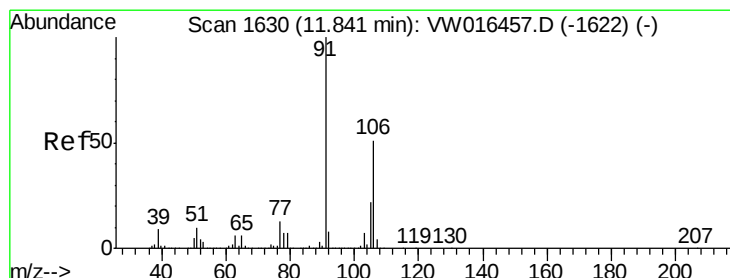
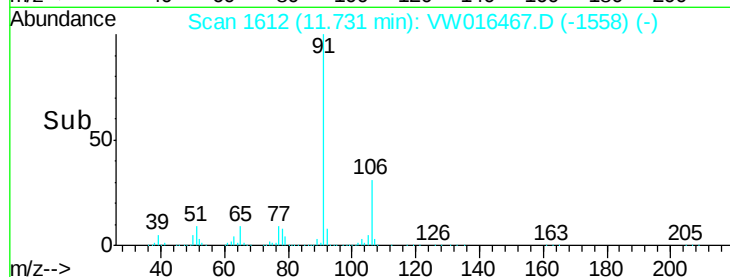
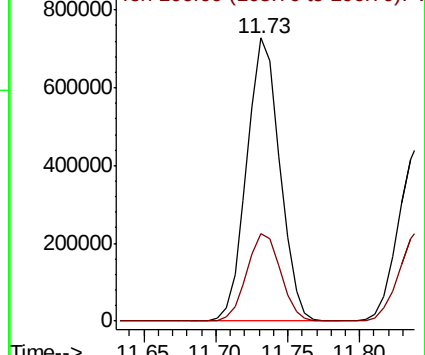
91 100

106 30.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.067 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016467.D

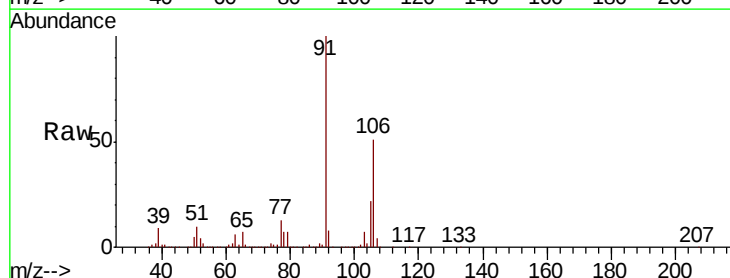
Acq: 04 Sep 2020 16:47

Tgt Ion: 106 Resp: 448492

Ion Ratio Lower Upper

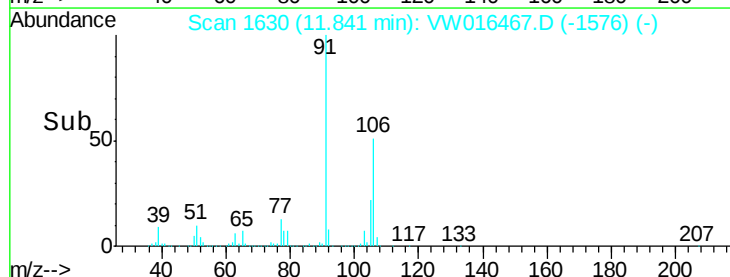
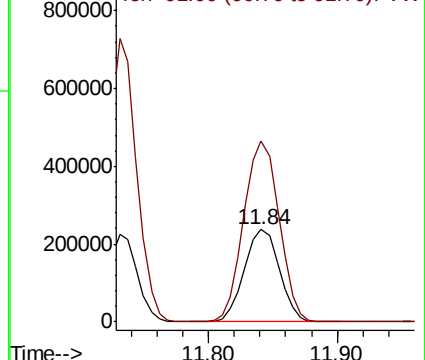
106 100

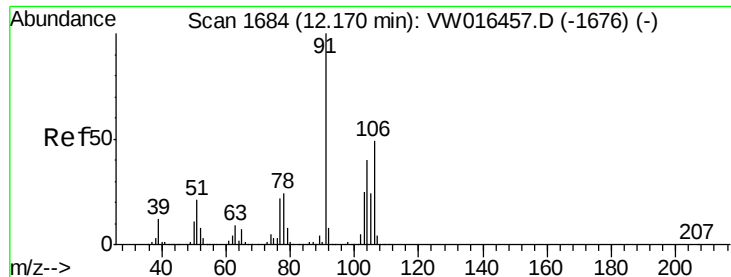
91 195.7 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 26.117 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampled :

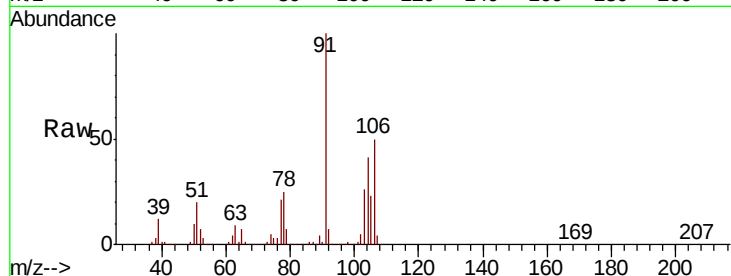
VSTD02510

Tot Ion:106 Resp: 428025

Ion Ratio Lower Upper

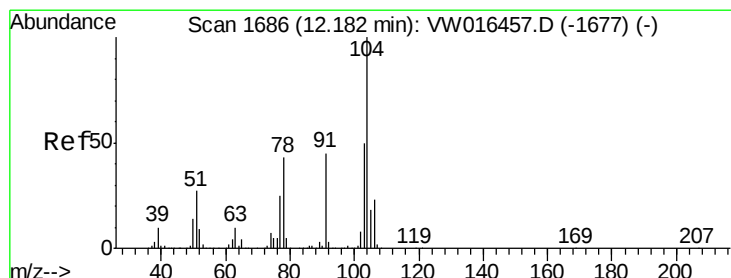
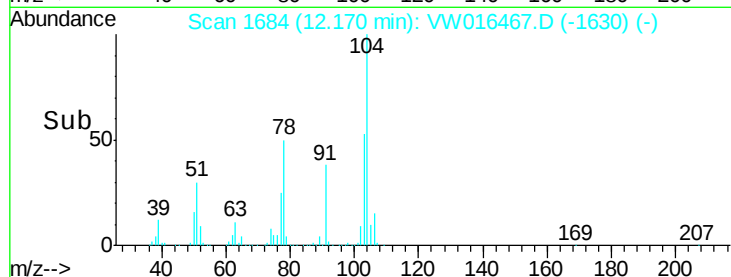
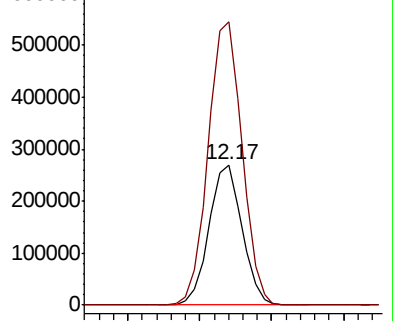
106 100

91 202.0 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.940 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016467.D

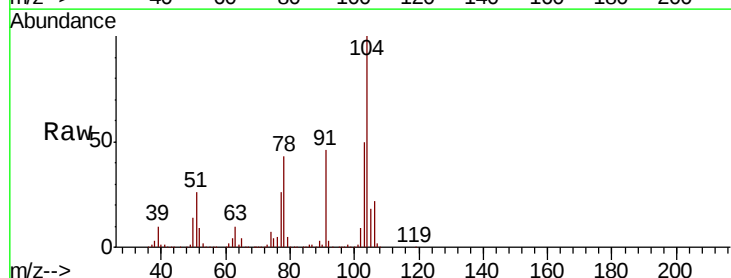
Acq: 04 Sep 2020 16:47

Tgt Ion:104 Resp: 730457

Ion Ratio Lower Upper

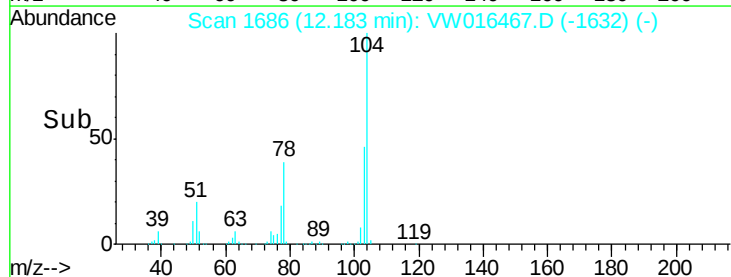
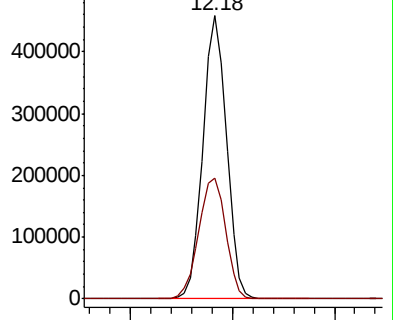
104 100

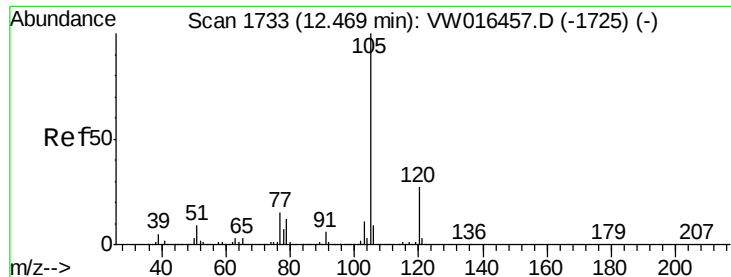
78 42.7 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.093 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

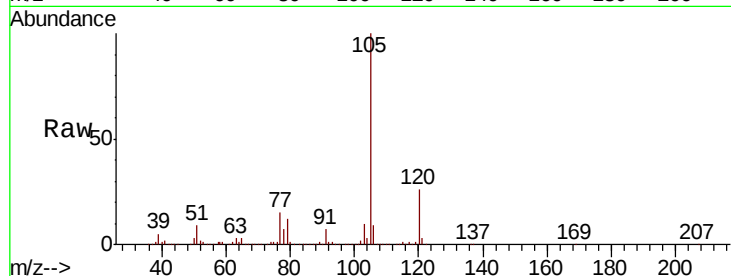
Tot Ion:105 Resp: 1171460

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

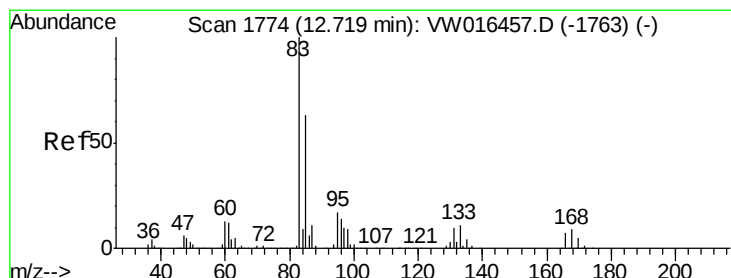
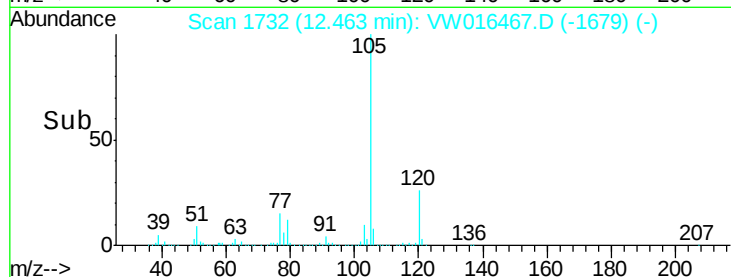
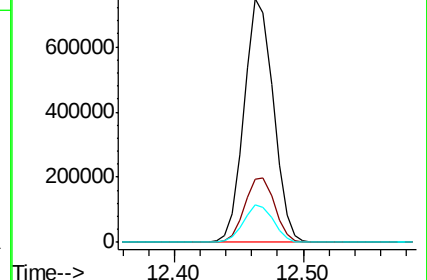
77 15.6 13.0 19.6



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: 25.318 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

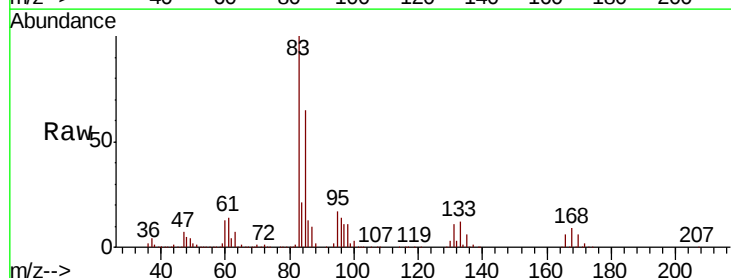
Tgt Ion: 83 Resp: 211238

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

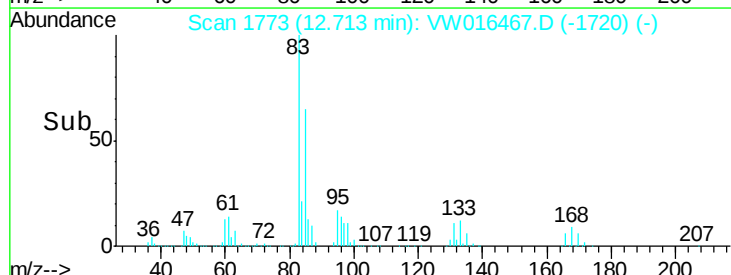
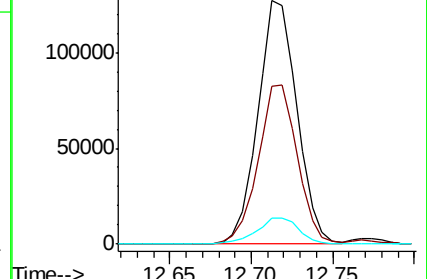
131 10.9 8.7 13.1

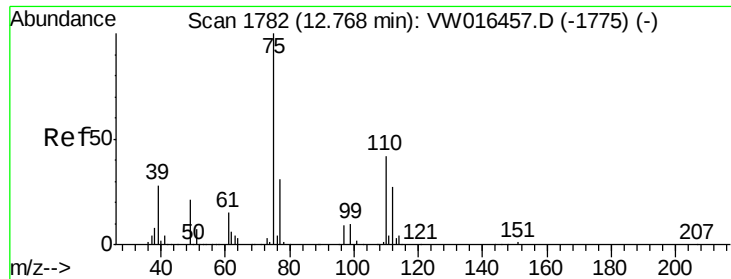


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.659 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

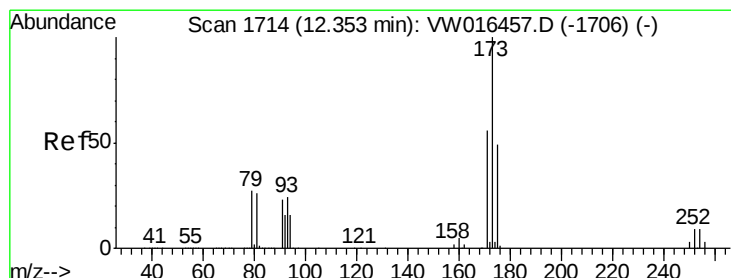
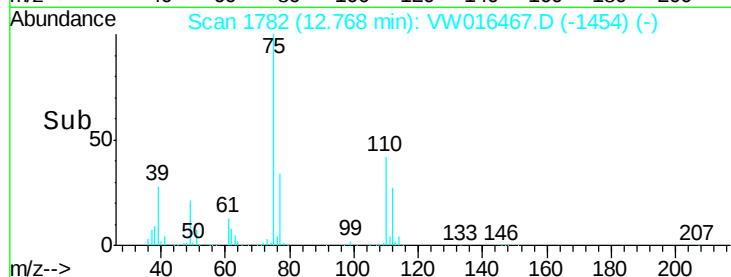
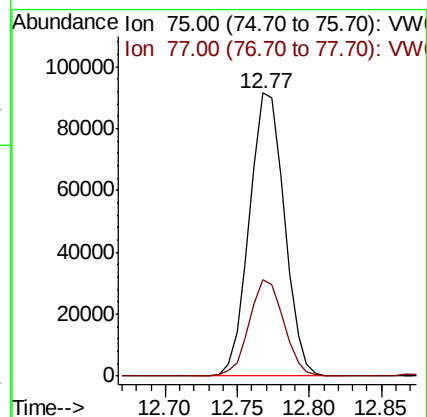
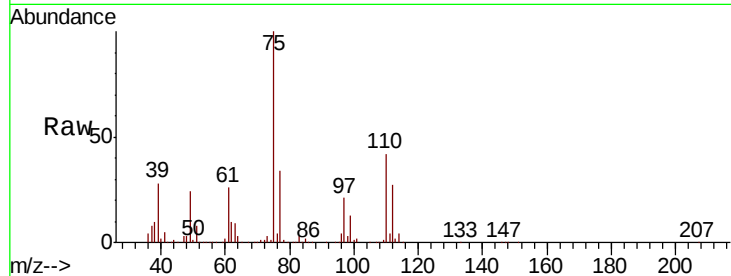
VSTD02510

Tot Ion: 75 Resp: 153767

Ion Ratio Lower Upper

75 100

77 33.7 26.0 39.0



#62

Bromoform

Concen: 24.849 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

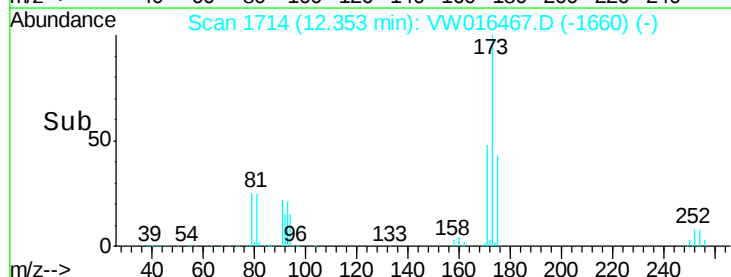
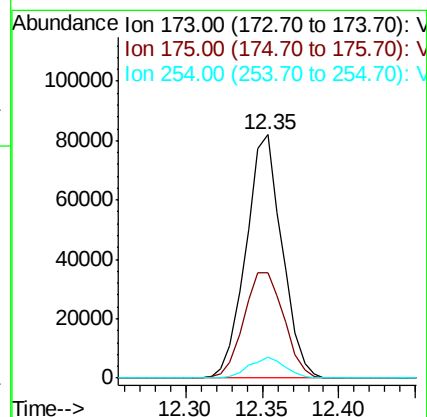
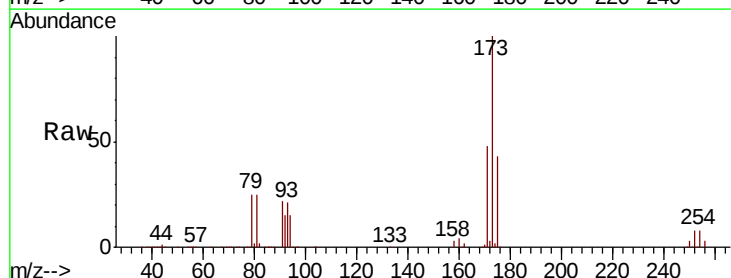
Tgt Ion: 173 Resp: 134753

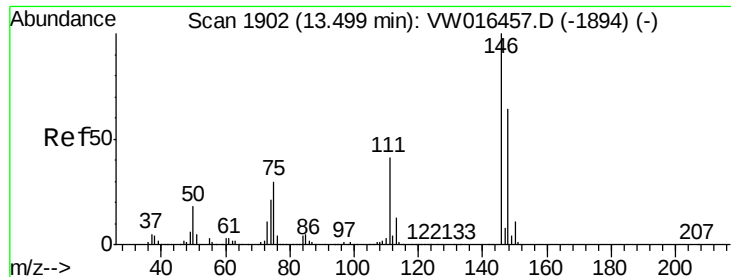
Ion Ratio Lower Upper

173 100

175 47.9 39.2 58.8

254 8.6 5.8 8.6

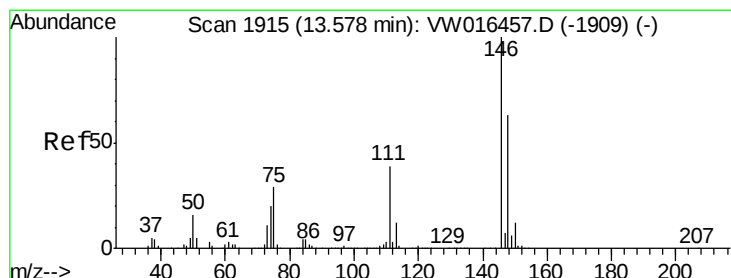
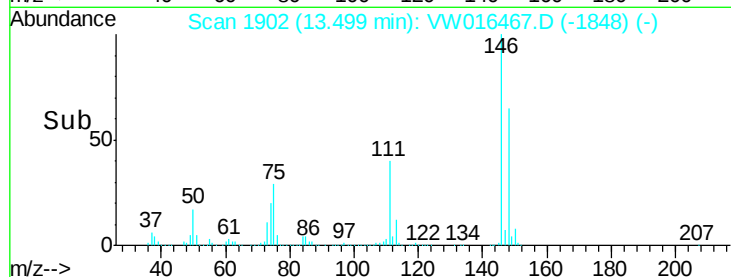
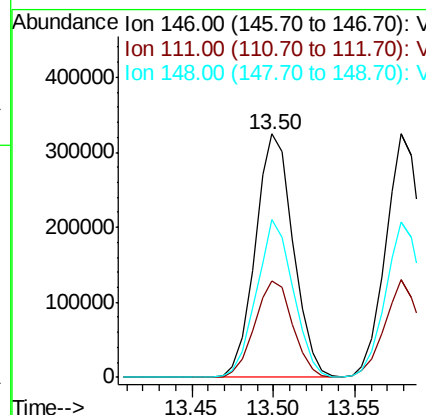
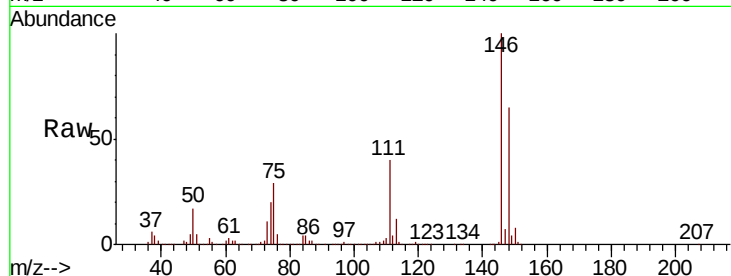




#63
 1,3-Dichlorobenzene
 Concen: 25.688 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

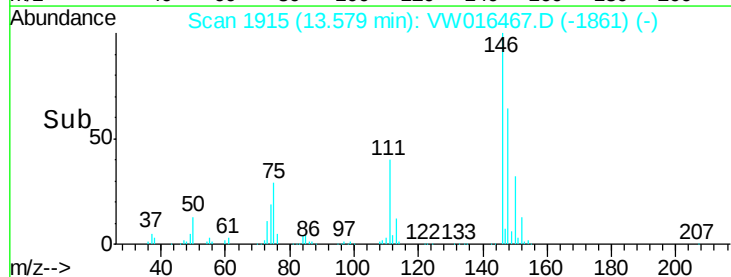
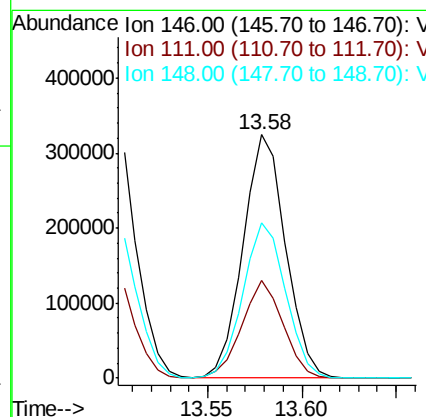
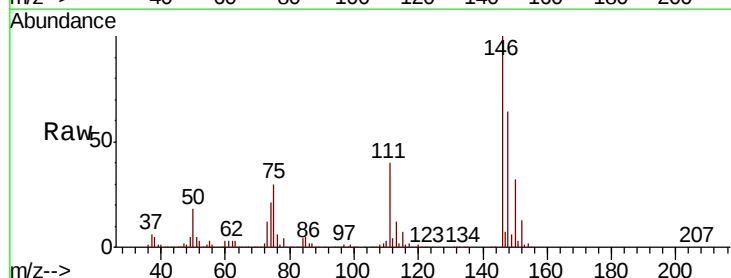
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

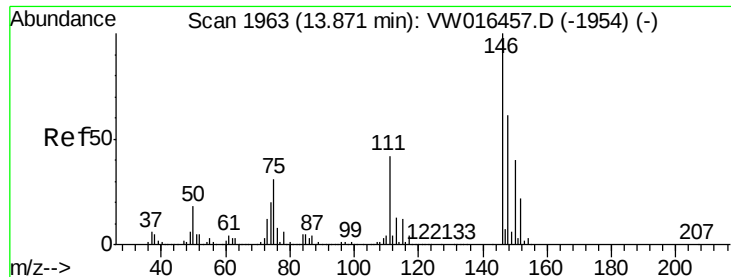
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.5	49.3
148	64.9	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 25.211 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.4	49.0
148	64.0	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 25.321 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

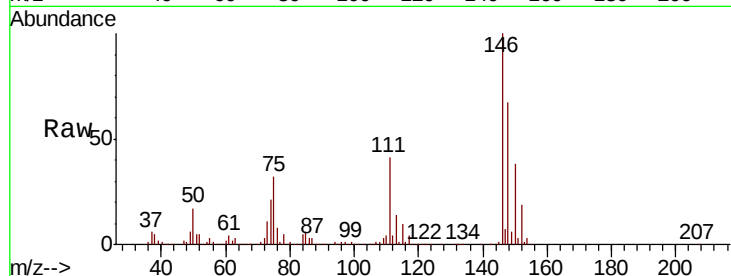
Tot Ion:146 Resp: 457940

Ion Ratio Lower Upper

146 100

111 41.1 35.3 52.9

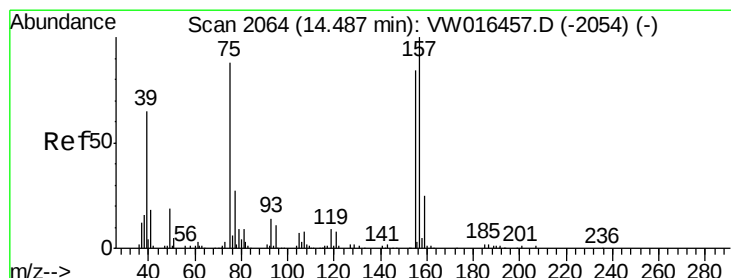
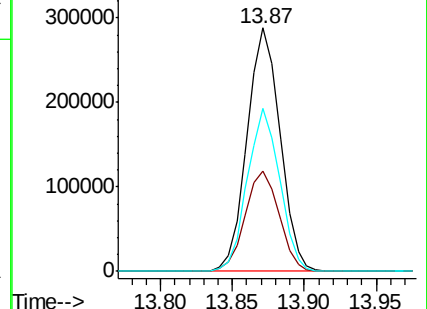
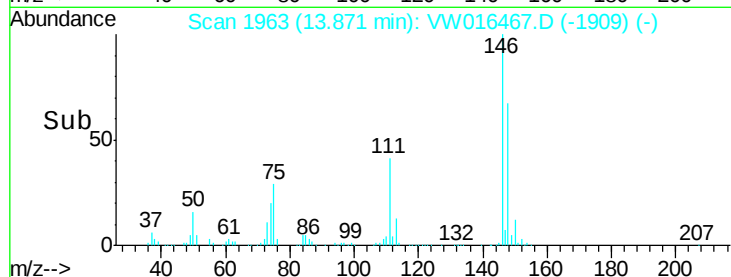
148 67.2 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.197 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

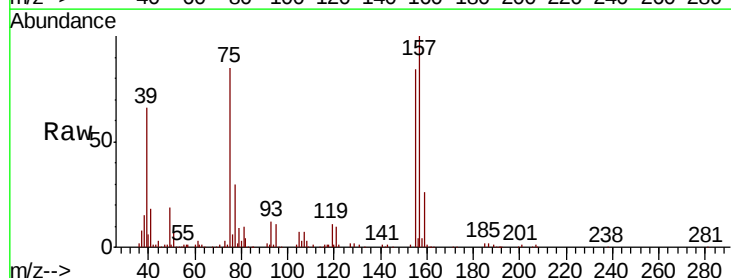
Tgt Ion: 75 Resp: 39064

Ion Ratio Lower Upper

75 100

157 117.4 91.4 137.0

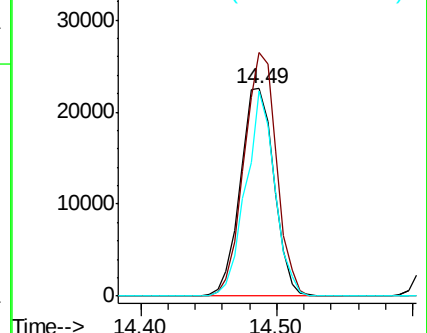
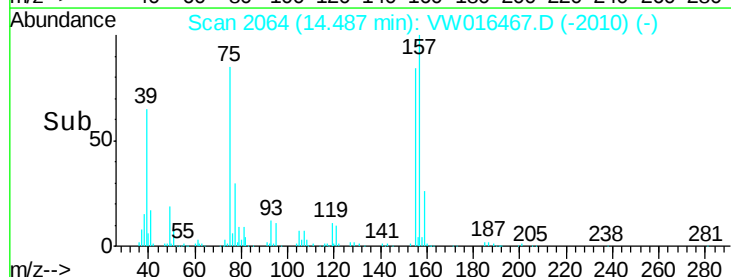
155 99.2 71.3 106.9

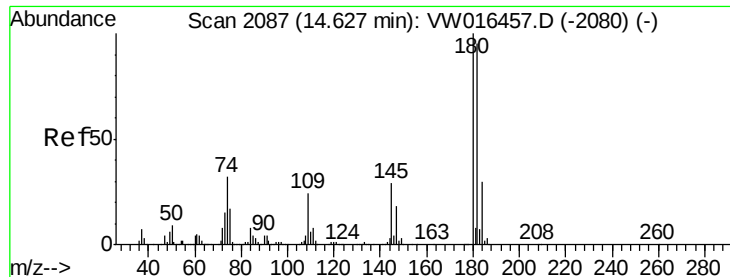


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

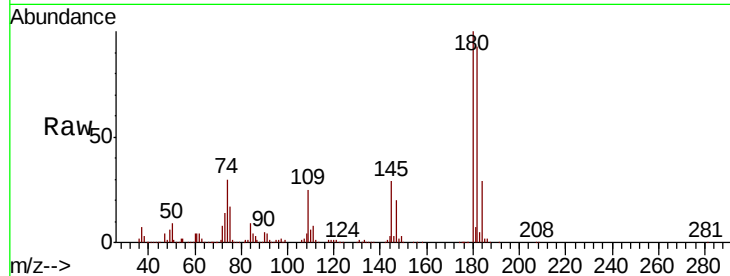




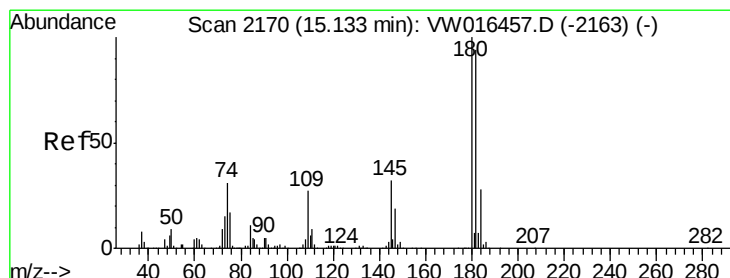
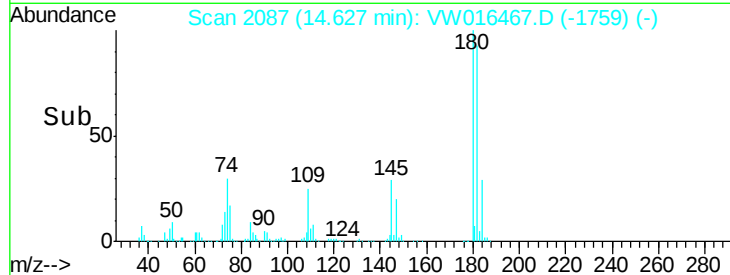
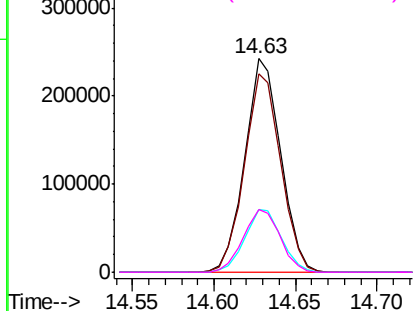
#67
 1,3,5-Trichlorobenzene
 Concen: 26.522 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion:180	Resp:	371939
Ion	Ratio	Lower Upper
180	100	
182	94.0	75.8 113.8
184	29.8	24.2 36.2
145	30.3	24.6 36.8

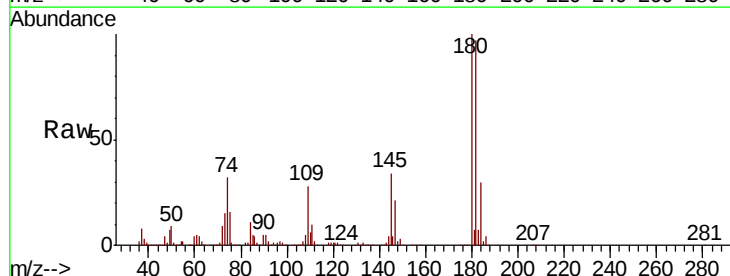


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

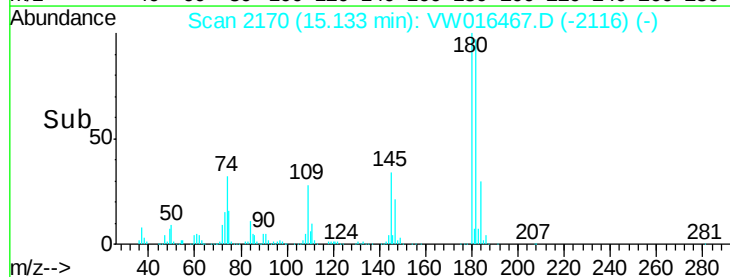
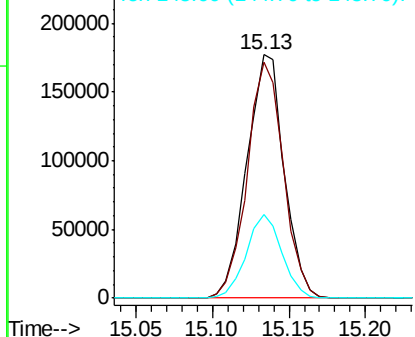


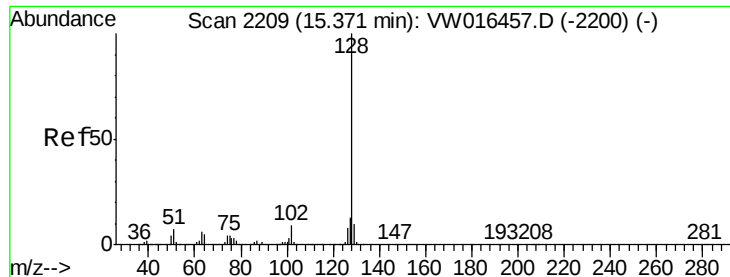
#68
 1,2,4-trichlorobenzene
 Concen: 24.694 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016467.D
 Acq: 04 Sep 2020 16:47

Tgt Ion:180	Resp:	299531
Ion	Ratio	Lower Upper
180	100	
182	94.5	78.5 117.7
145	32.8	25.6 38.4



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: 25.657 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

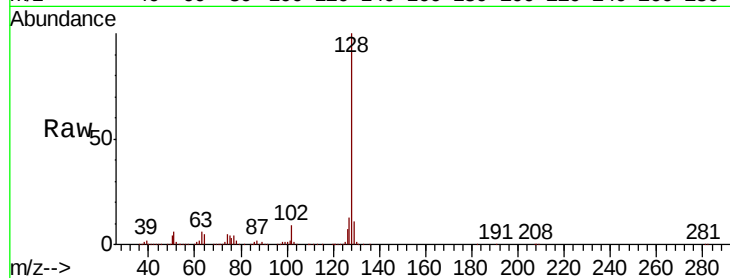
Tot Ion:128 Resp: 656816

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

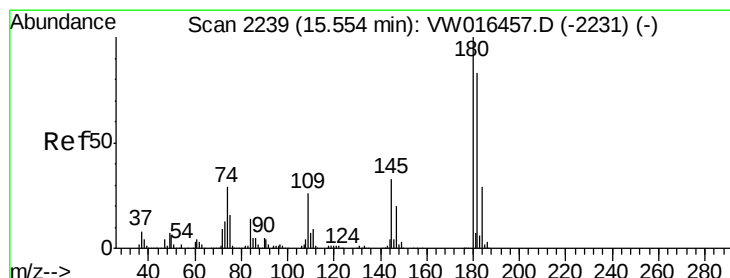
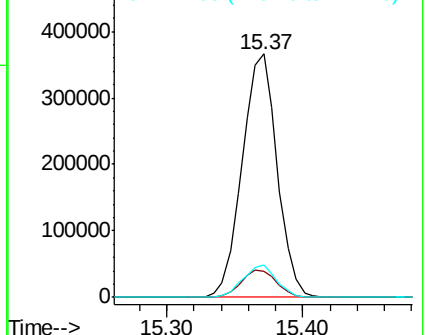
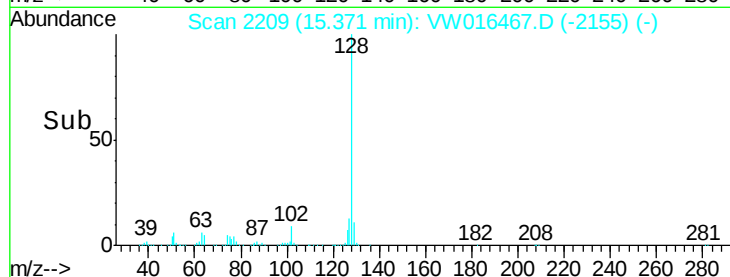
127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.723 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016467.D

Acq: 04 Sep 2020 16:47

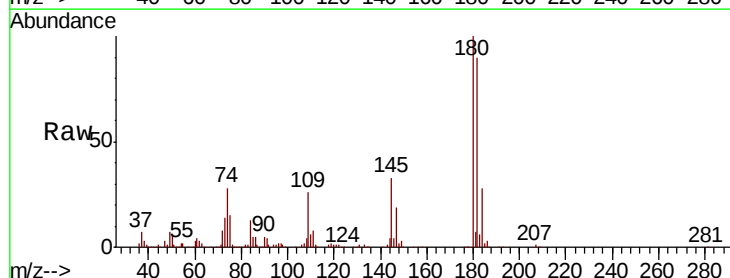
Tgt Ion:180 Resp: 267888

Ion Ratio Lower Upper

180 100

182 93.7 76.1 114.1

145 34.0 28.1 42.1



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

