

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061820\
 Data File : VW015626.D
 Acq On : 18 Jun 2020 09:54
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Jun 19 07:25:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 18 15:47:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	349277	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320778	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168034	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	61056	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
7) Chloroethane-d5	2.89	69	74233	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.28%
10) 1,1-Dichloroethene-d2	4.02	63	165559	21.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.92%
20) 2-Butanone-d5	7.08	46	51760	49.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.06%
24) Chloroform-d	7.65	84	190606	23.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	8.30	65	104089	23.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.64%
29) Benzene-d6	8.27	84	349331	22.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.84%
33) 1,2-Dichloropropane-d6	9.27	67	107411	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.88%
37) Toluene-d8	10.32	98	332845	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.04%
38) trans-1,3-Dichloropropene-	10.58	79	44409	20.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.32%
39) 2-Hexanone-d5	10.93	63	42308	51.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90819	25.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	125536	22.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	73208	23.725	ug/L 99
3) Chloromethane	2.22	50	72921	21.468	ug/L 99
5) Vinyl chloride	2.37	62	120339	23.558	ug/L 100
6) Bromomethane	2.79	94	76991	23.189	ug/L 99
8) Chloroethane	2.93	64	75783	24.371	ug/L 97
9) Trichlorofluoromethane	3.26	101	96927	26.663	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	103810	24.077	ug/L 100
12) 1,1-Dichloroethene	4.04	96	96707	23.220	ug/L 88
13) Acetone	4.12	43	54326	67.246	ug/L 98
14) Carbon disulfide	4.38	76	282015	20.298	ug/L 99
15) Methyl Acetate	4.67	43	41057	23.491	ug/L 100
16) Methylene chloride	4.92	84	105565	24.626	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	150657	22.795	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	105025	23.531	ug/L 96
19) 1,1-Dichloroethane	6.22	63	191223	23.820	ug/L 100
21) 2-Butanone	7.17	43	60323	48.607	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	111092	23.860	ug/L 98

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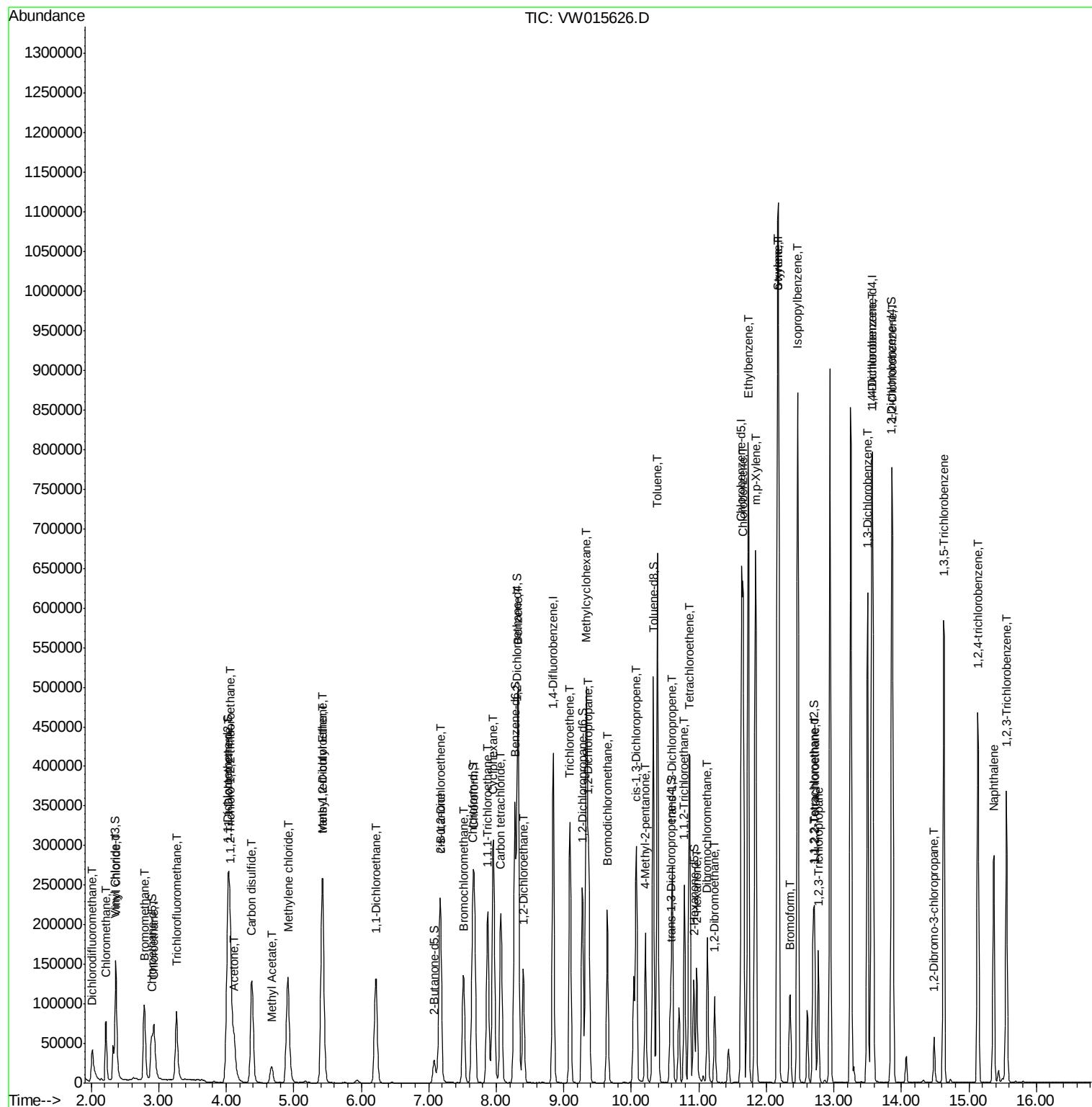
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48095	23.954	ug/L	99
25) Chloroform	7.68	83	196882	24.356	ug/L	100
27) 1,2-Dichloroethane	8.40	62	131341	24.018	ug/L	100
30) Cyclohexane	7.96	56	173629	21.897	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	175526	24.459	ug/L	99
32) Carbon tetrachloride	8.07	117	160305	24.355	ug/L	99
34) Benzene	8.32	78	424644	23.672	ug/L	100
35) Trichloroethene	9.09	95	114390	23.739	ug/L	99
36) Methylcyclohexane	9.34	83	196047	22.812	ug/L	100
40) 1,2-Dichloropropane	9.37	63	104506	23.657	ug/L	100
41) Bromodichloromethane	9.65	83	139523	23.641	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	163822	23.174	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	120148	46.397	ug/L	100
44) Toluene	10.39	91	473424	24.223	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	144171	23.435	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	75758	24.512	ug/L	99
47) Tetrachloroethene	10.87	164	94001	24.610	ug/L	98
49) 2-Hexanone	10.97	43	88580	50.678	ug/L	99
50) Dibromochloromethane	11.13	129	89642	23.873	ug/L	94
51) 1,2-Dibromoethane	11.24	107	71453	24.082	ug/L	98
52) Chlorobenzene	11.66	112	299097	24.398	ug/L	98
53) Ethylbenzene	11.73	91	550435	24.527	ug/L	97
54) m,p-Xylene	11.84	106	208580	24.769	ug/L	97
55) o-xylene	12.17	106	199061	24.903	ug/L	97
56) Styrene	12.18	104	337400	24.703	ug/L	100
57) Isopropylbenzene	12.46	105	557997	25.060	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	90826	25.384	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	66610	24.552	ug/L	99
62) Bromoform	12.35	173	51734	22.097	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	243138	23.646	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	241131	23.934	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	216806	24.264	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	14335	21.148	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	178784	25.115	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	144216	25.153	ug/L	99
69) Naphthalene	15.37	128	246508	23.678	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	124873	25.600	ug/L	99

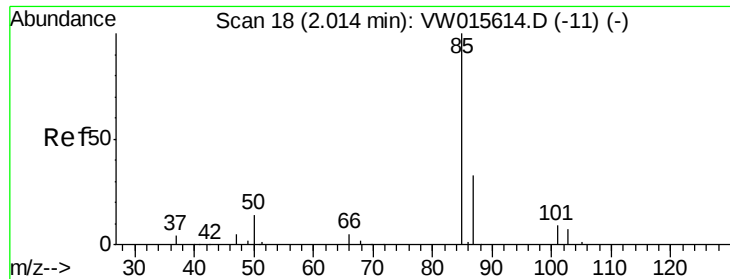
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.725 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

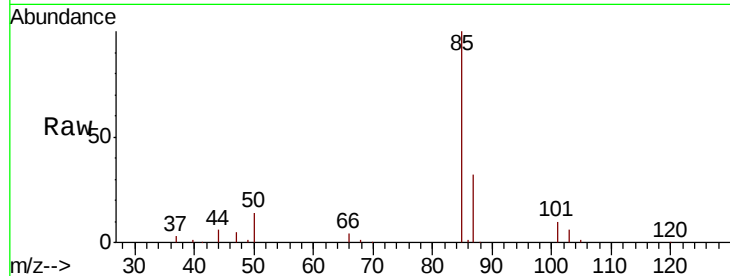
VSTD02512

Tot Ion: 85 Resp: 73208

Ion Ratio Lower Upper

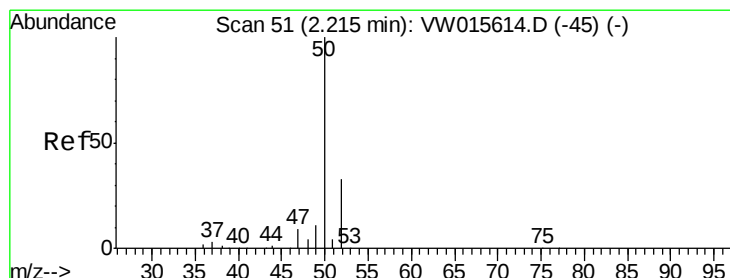
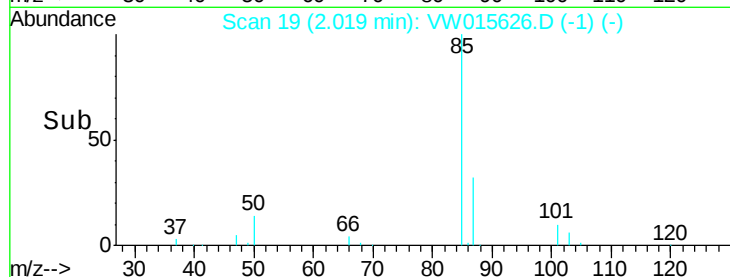
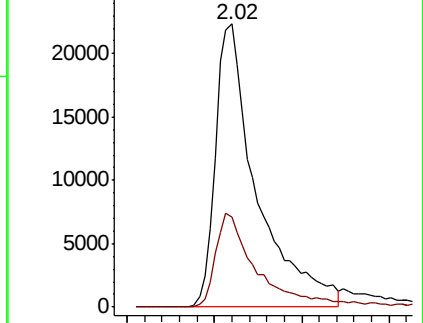
85 100

87 30.8 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.468 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015626.D

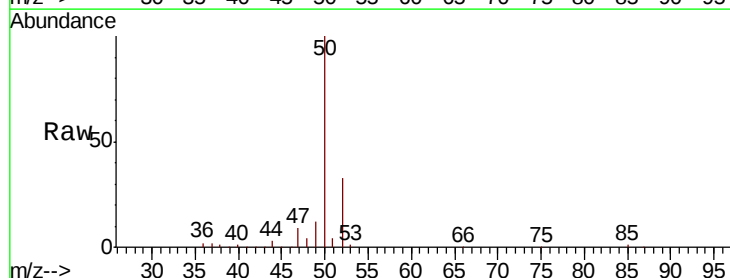
Acq: 18 Jun 2020 09:54

Tgt Ion: 50 Resp: 72921

Ion Ratio Lower Upper

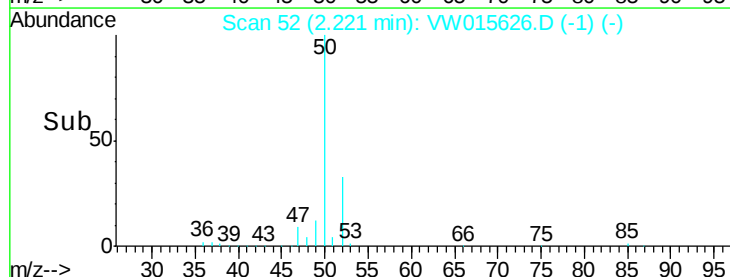
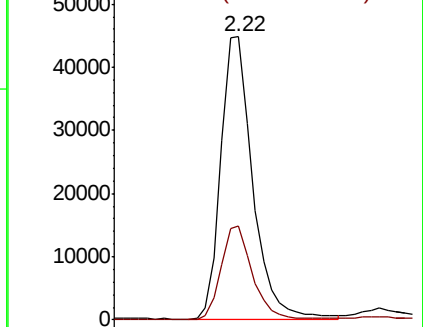
50 100

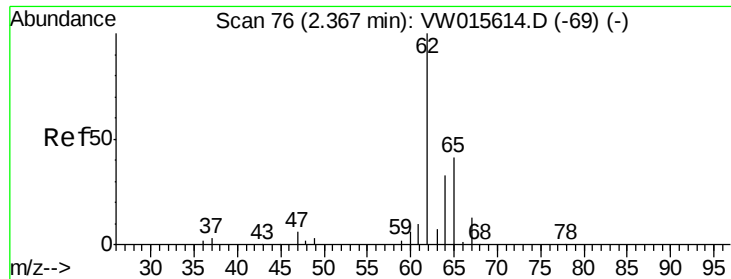
52 33.0 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.558 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

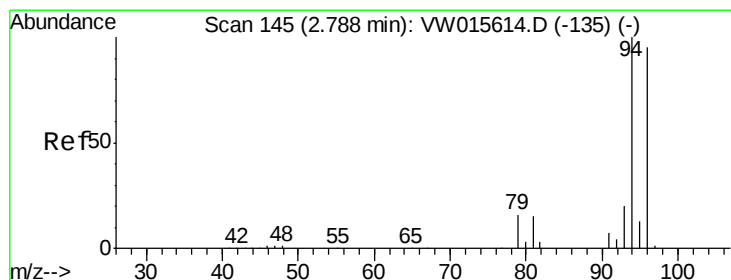
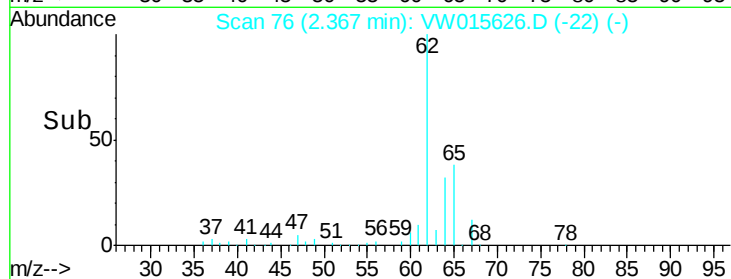
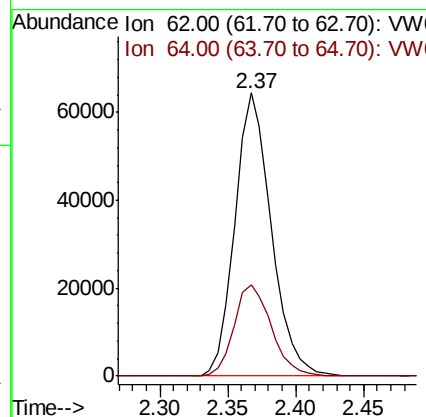
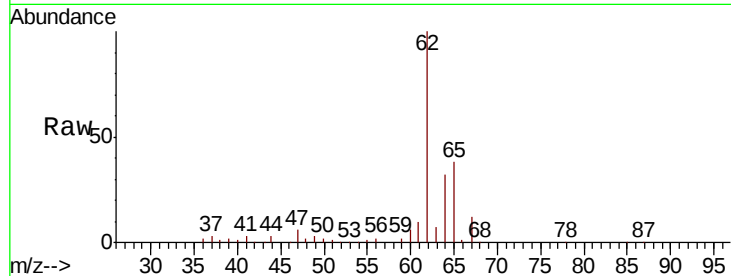
VSTD02512

Tot Ion: 62 Resp: 120339

Ion Ratio Lower Upper

62 100

64 32.4 22.6 42.0



#6

Bromomethane

Concen: 23.189 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015626.D

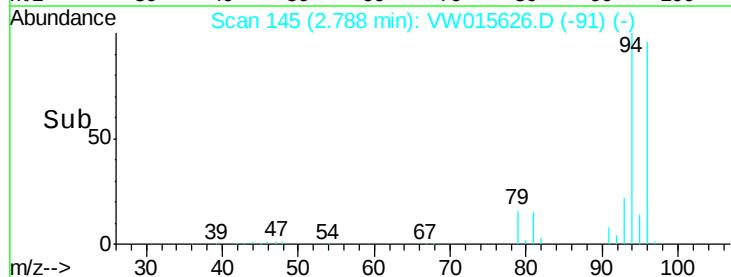
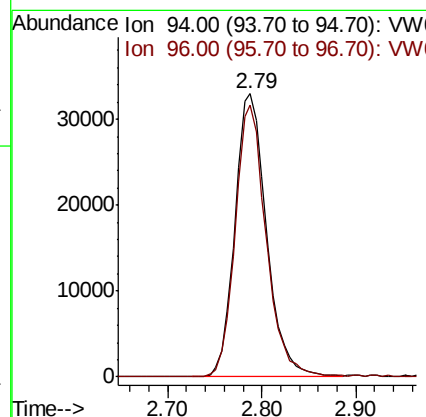
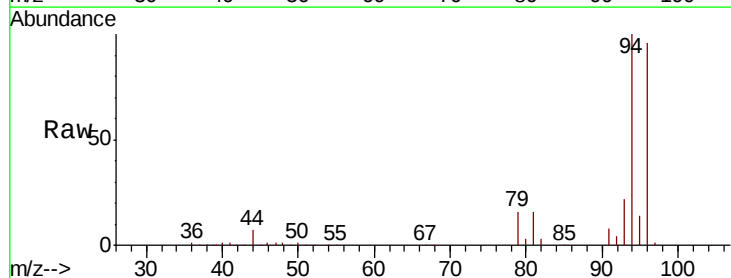
Acq: 18 Jun 2020 09:54

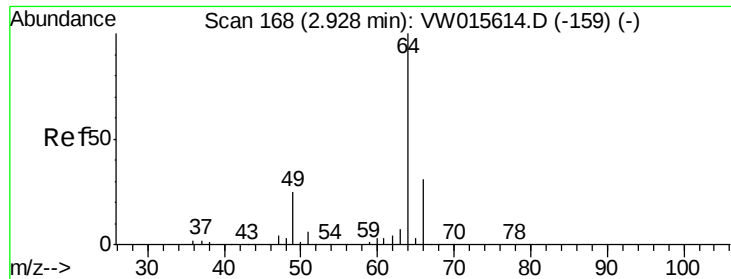
Tgt Ion: 94 Resp: 76991

Ion Ratio Lower Upper

94 100

96 93.9 9.3 177.5

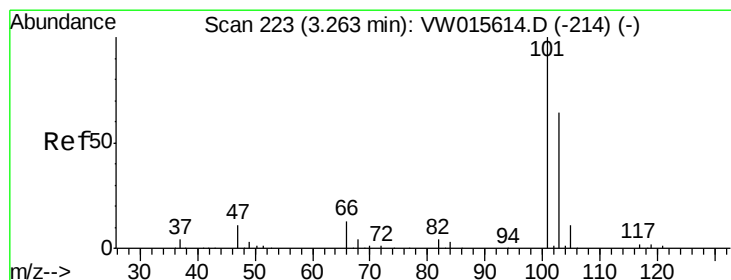
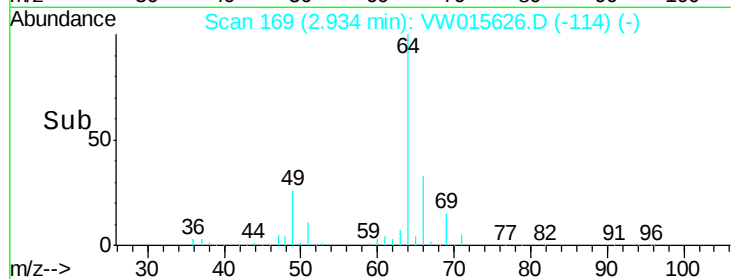
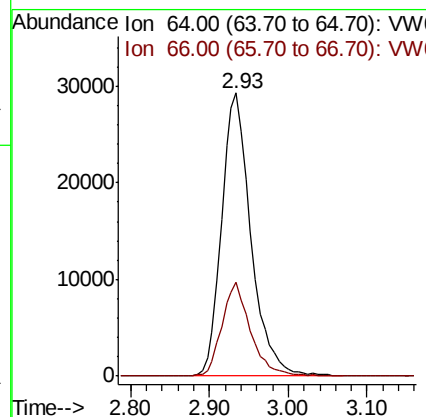
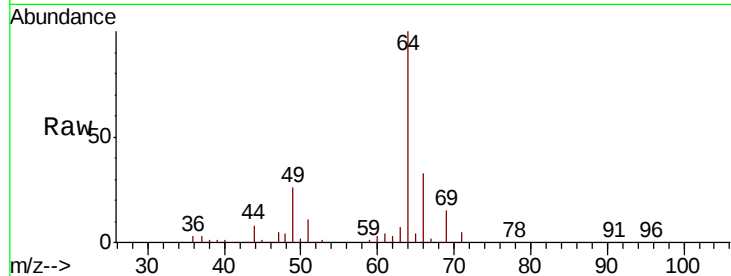




#8
Chloroethane
Concen: 24.371 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

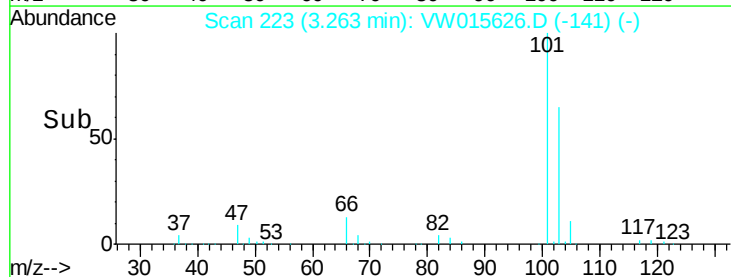
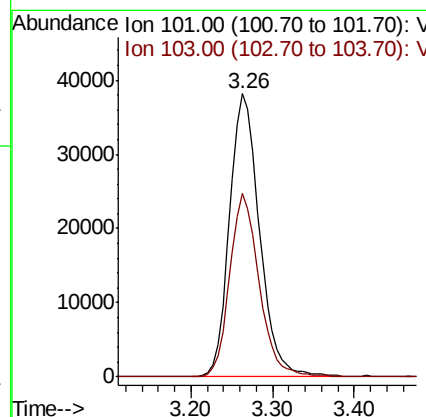
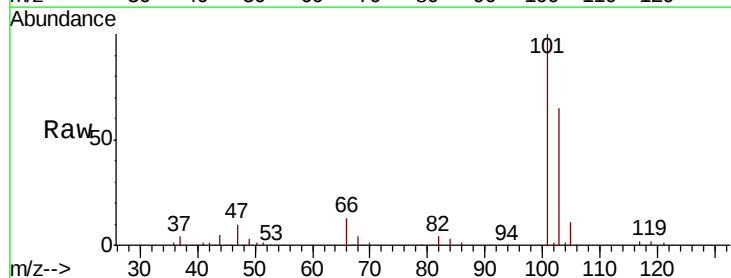
Instrument :
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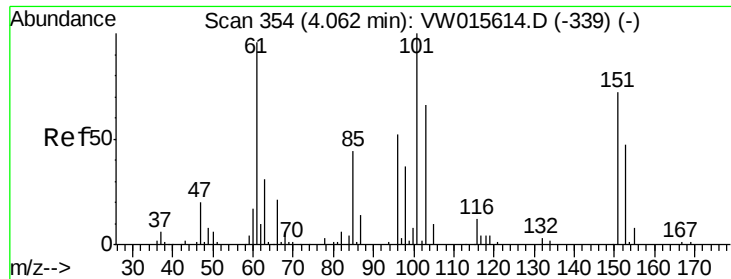
Tot Ion: 64 Resp: 75783
Ion Ratio Lower Upper
64 100
66 33.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 26.663 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Tgt Ion:101 Resp: 96927
Ion Ratio Lower Upper
101 100
103 63.5 46.6 86.6





#11

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

Concen: 24.077 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

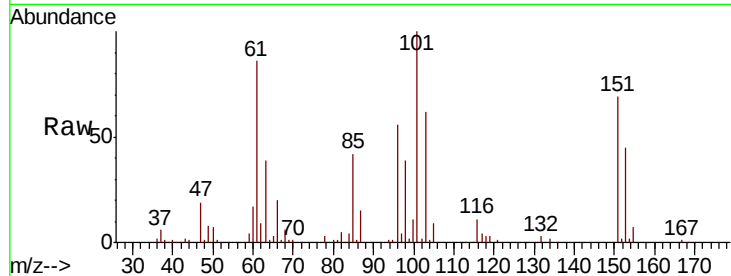
Tot Ion:101 Resp: 103810

Ion Ratio Lower Upper

101 100

85 43.7 35.1 52.7

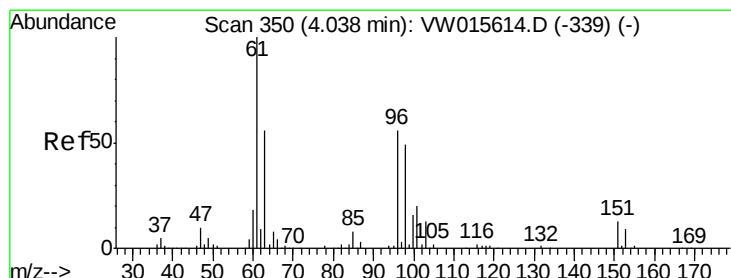
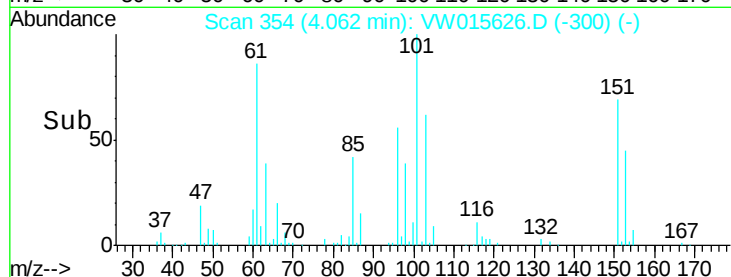
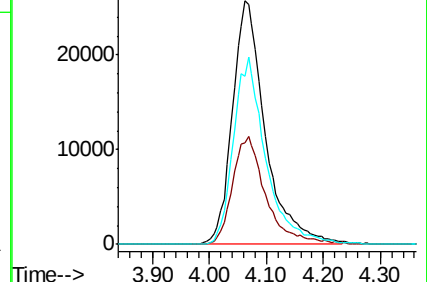
151 73.6 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.220 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

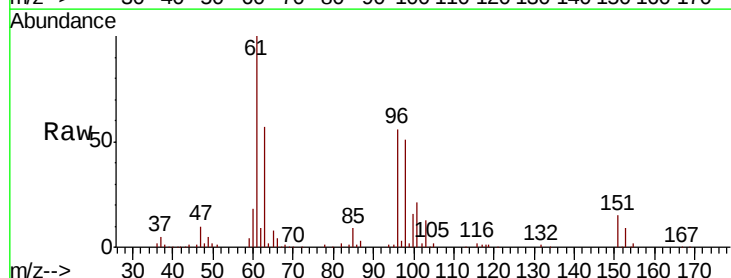
Tgt Ion: 96 Resp: 96707

Ion Ratio Lower Upper

96 100

61 178.1 127.7 237.1

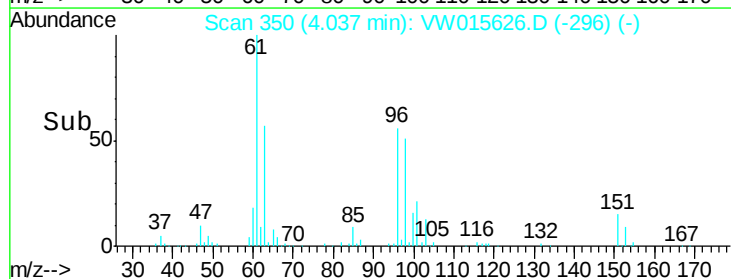
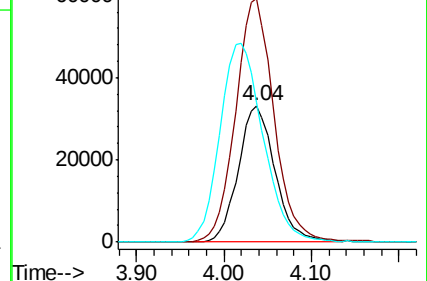
63 102.0 92.3 171.5

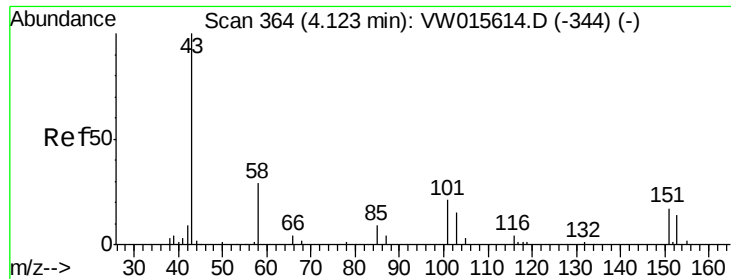


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 67.246 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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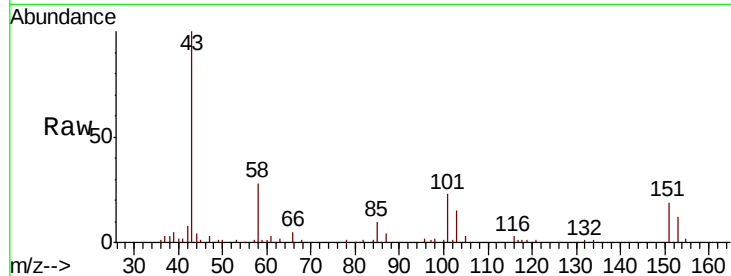
VSTD02512

Tot Ion: 43 Resp: 54326

Ion Ratio Lower Upper

43 100 0.0 56.8

58 27.4 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

15000

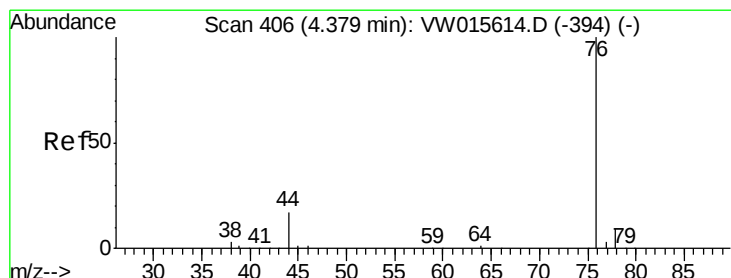
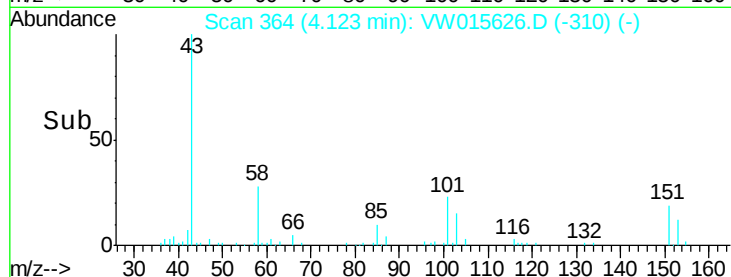
10000

5000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 20.298 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015626.D

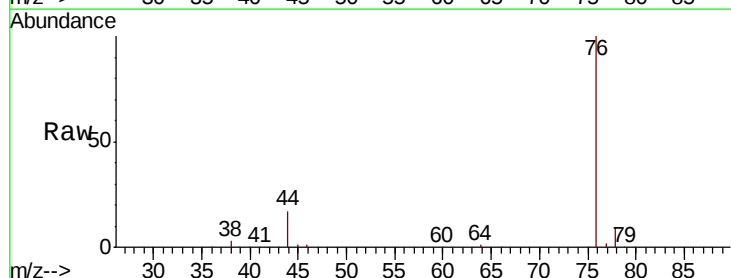
Acq: 18 Jun 2020 09:54

Tgt Ion: 76 Resp: 282015

Ion Ratio Lower Upper

76 100 7.3 10.9

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

100000

80000

60000

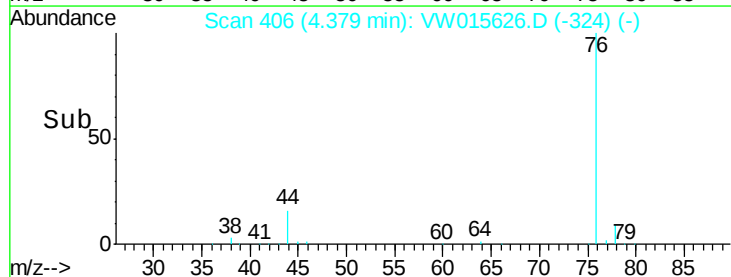
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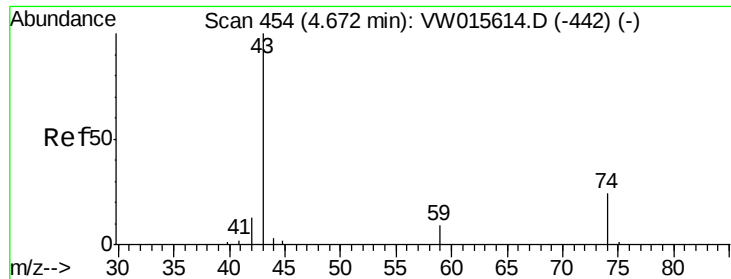
20000

0

4.30 4.40 4.50

Time-->





#15

Methvl Acetate

Concen: 23.491 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

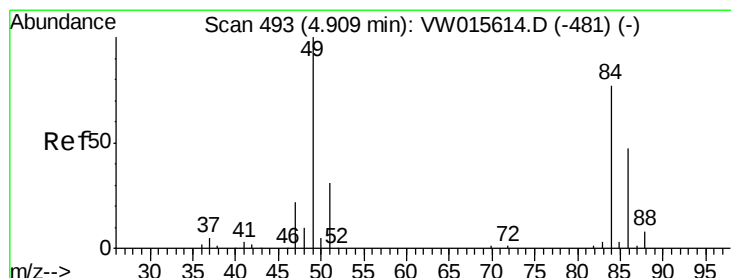
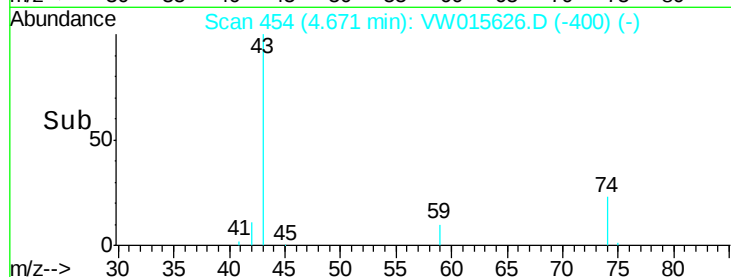
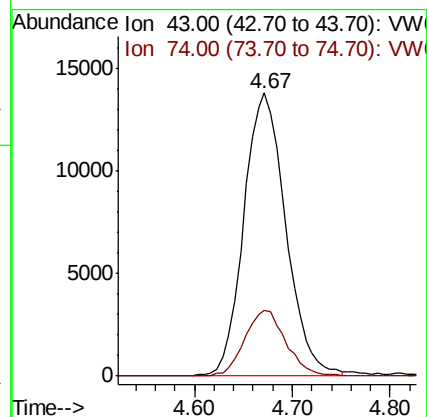
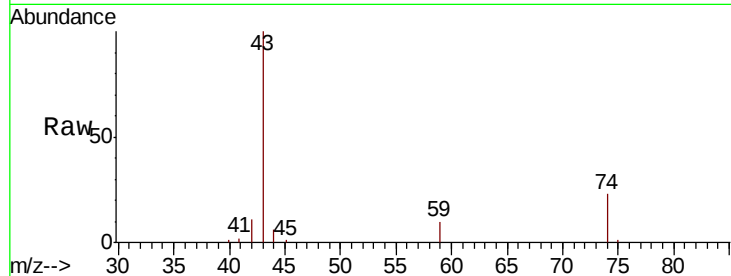
VSTD02512

Tot Ion: 43 Resp: 41057

Ion Ratio Lower Upper

43 100

74 22.7 18.2 27.2



#16

Methylene chloride

Concen: 24.626 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

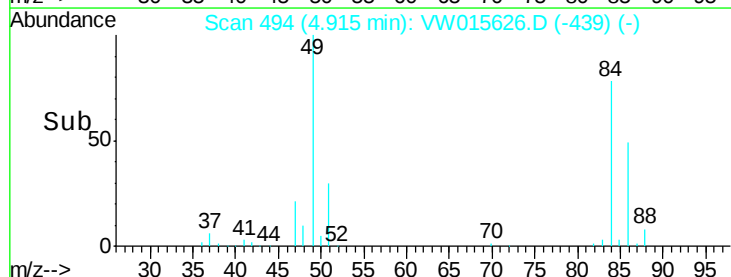
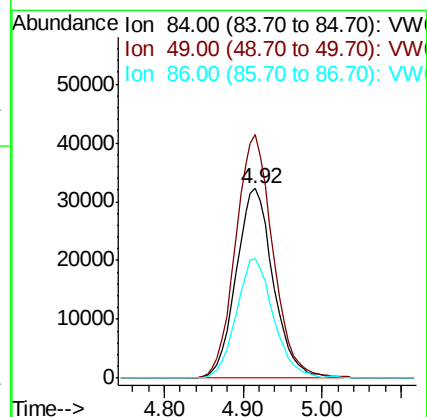
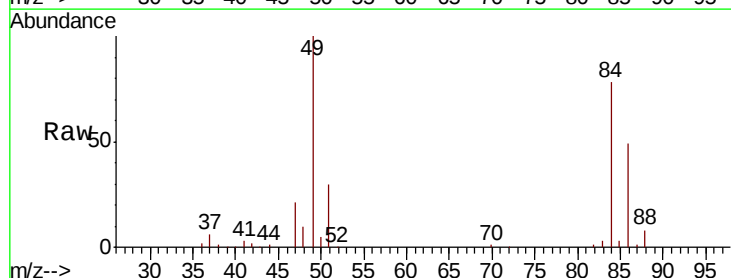
Tgt Ion: 84 Resp: 105565

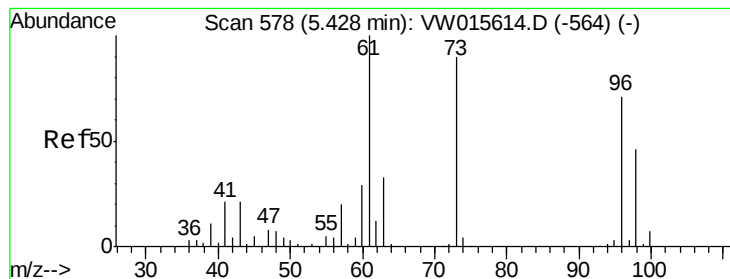
Ion Ratio Lower Upper

84 100

49 128.4 93.0 172.8

86 63.0 44.7 83.1



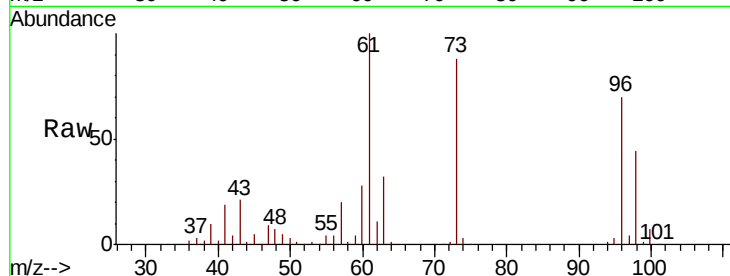


#17

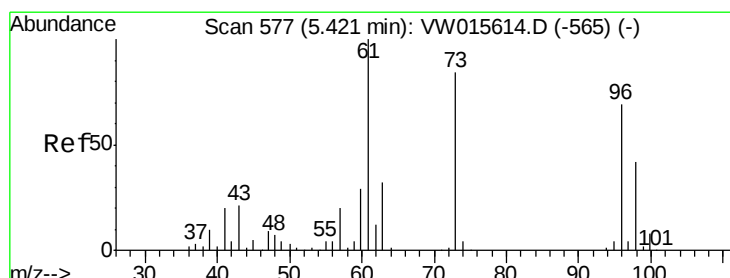
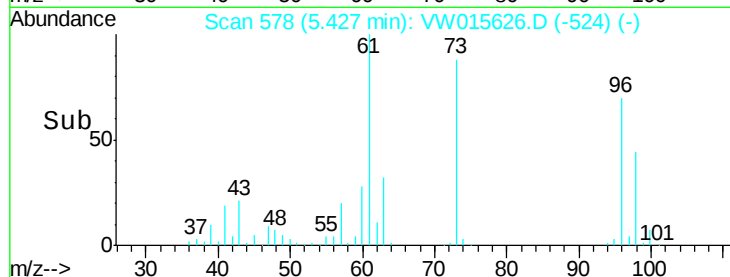
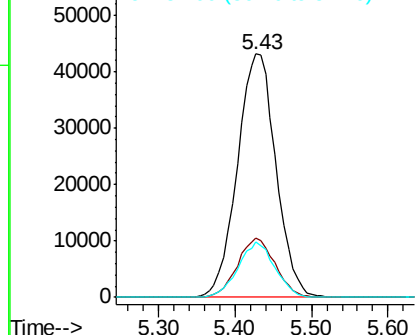
Methvl tert-butvl Ether
 Concen: 22.795 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tot Ion:	73	Resp:	150657
Ion	Ratio	Lower	Upper
73	100		
43	23.8	19.6	29.4
57	21.7	17.7	26.5



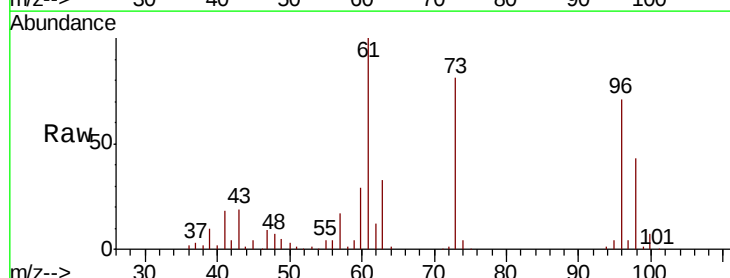
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



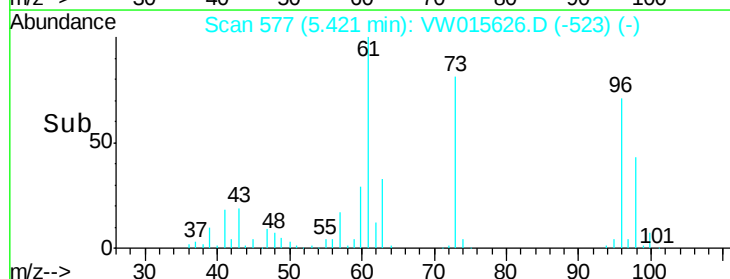
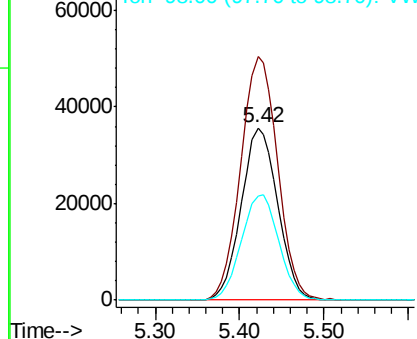
#18

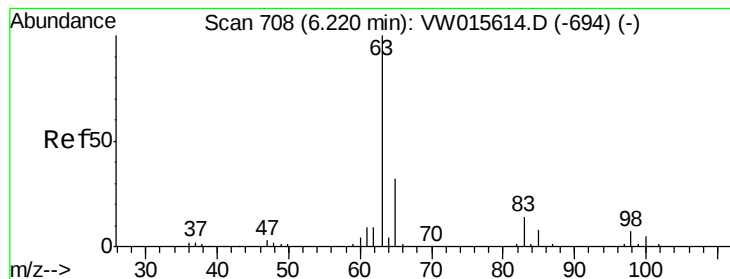
trans-1,2-Dichloroethene
 Concen: 23.531 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion:	96	Resp:	105025
Ion	Ratio	Lower	Upper
96	100		
61	141.3	101.9	189.3
98	60.2	44.9	83.5



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





#19

1,1-Dichloroethane

Concen: 23.820 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

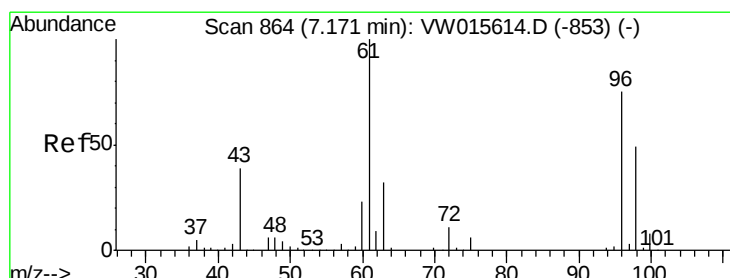
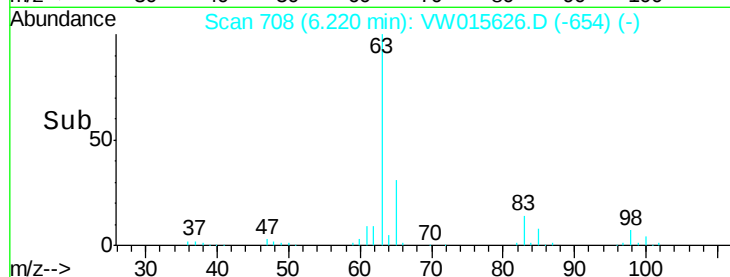
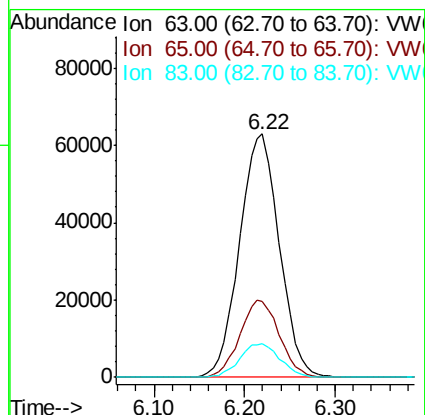
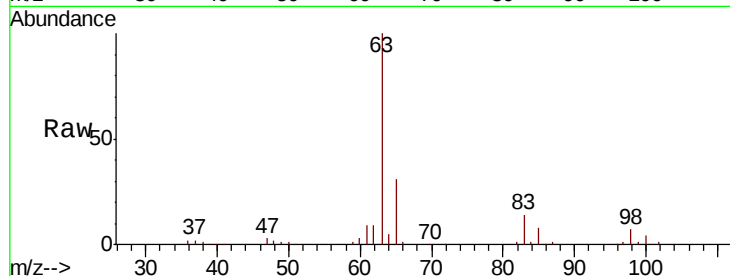
Tot Ion: 63 Resp: 191223

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

83 13.7 9.7 17.9



#21

2-Butanone

Concen: 48.607 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015626.D

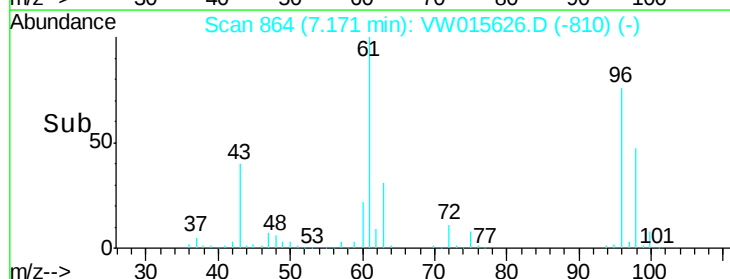
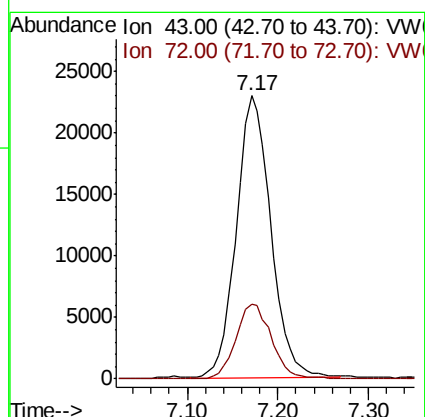
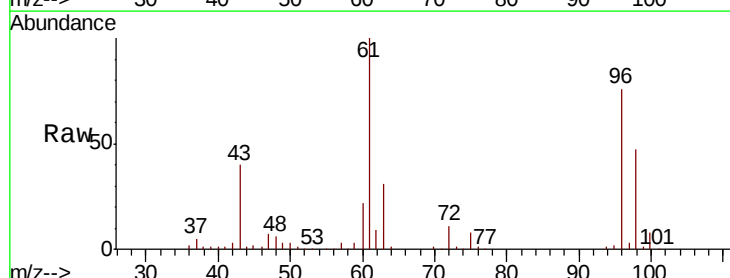
Acq: 18 Jun 2020 09:54

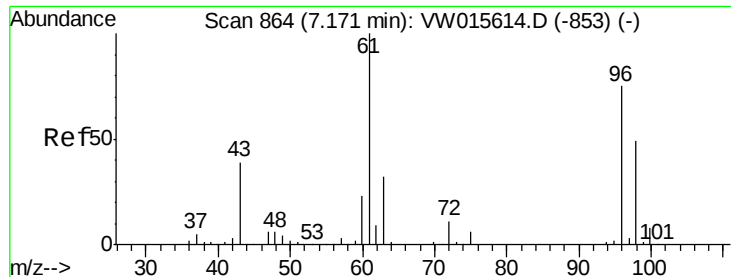
Tgt Ion: 43 Resp: 60323

Ion Ratio Lower Upper

43 100

72 27.4 13.3 39.9



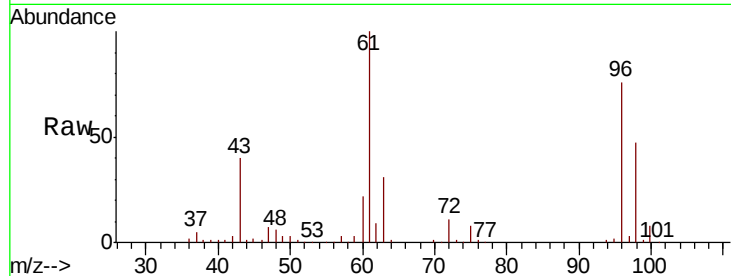


#22

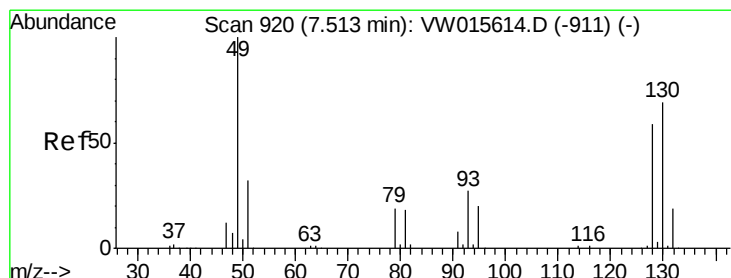
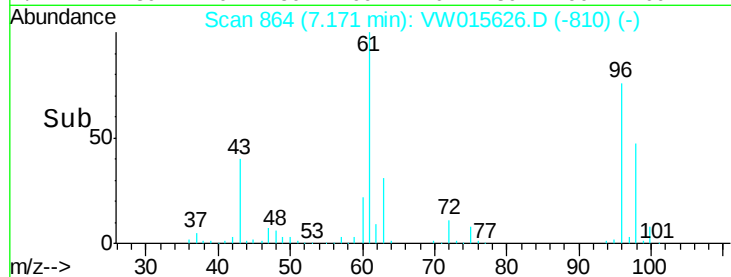
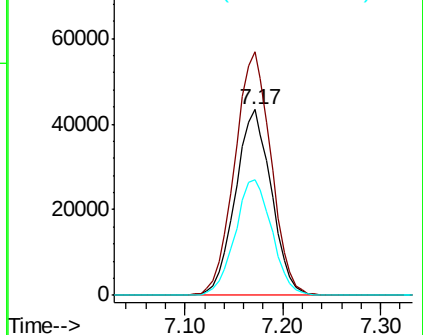
cis-1,2-Dichloroethene
Concen: 23.860 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Tot Ion: 96 Resp: 111092
Ion Ratio Lower Upper
96 100
61 131.1 93.7 173.9
98 62.3 45.1 83.9



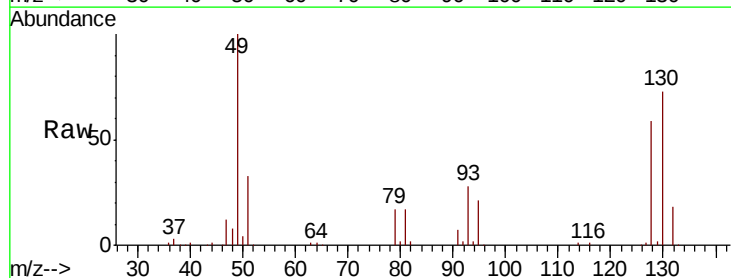
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



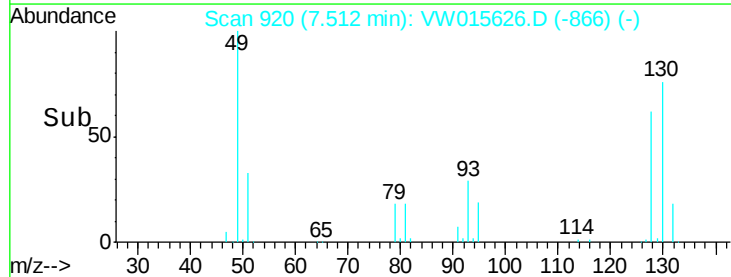
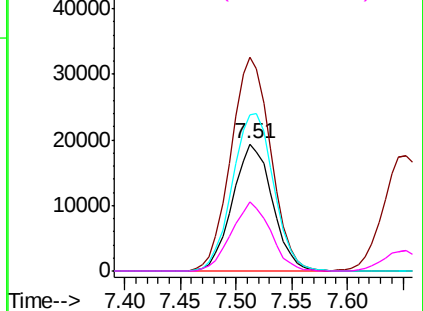
#23

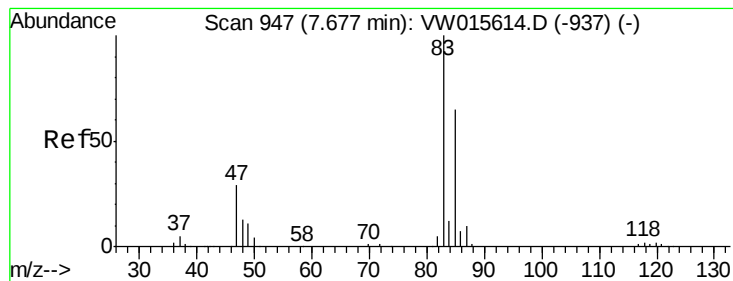
Bromochloromethane
Concen: 23.954 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Tgt Ion: 128 Resp: 48095
Ion Ratio Lower Upper
128 100
49 168.5 118.1 219.3
130 123.0 88.5 164.3
51 55.0 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 24.356 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

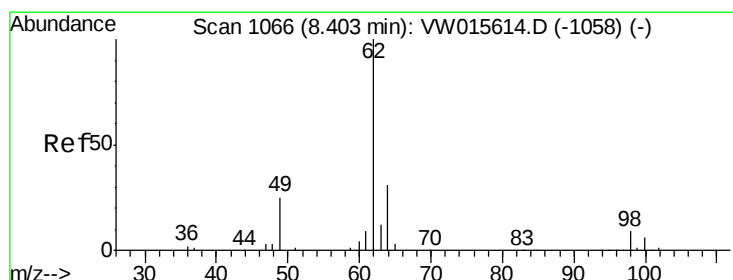
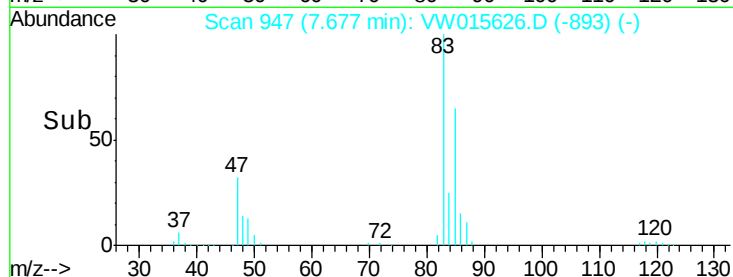
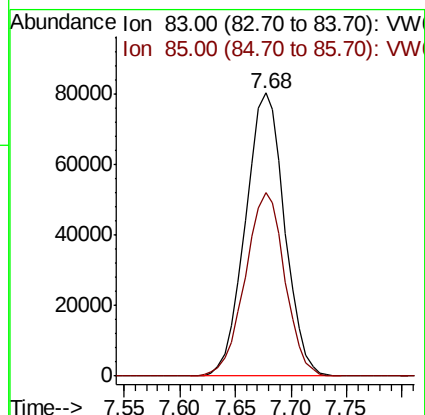
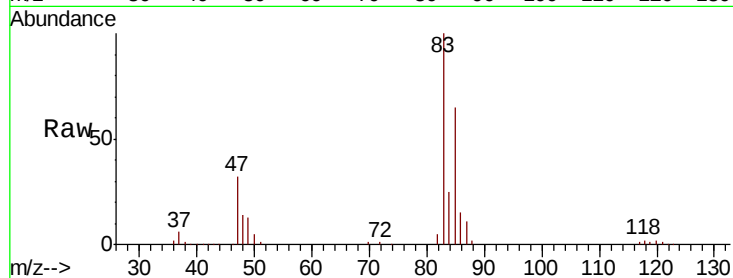
VSTD02512

Tot Ion: 83 Resp: 196882

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 24.018 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015626.D

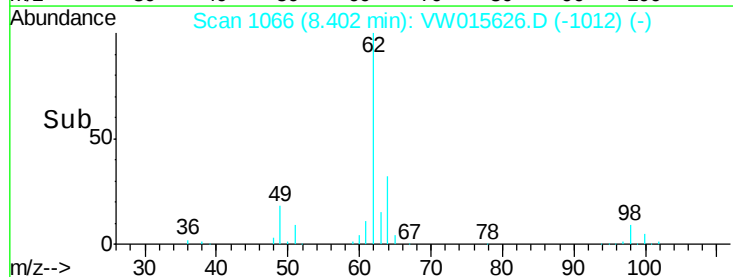
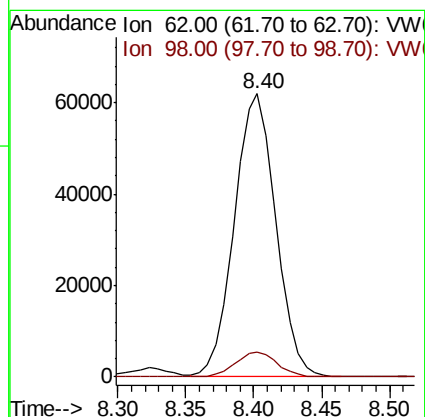
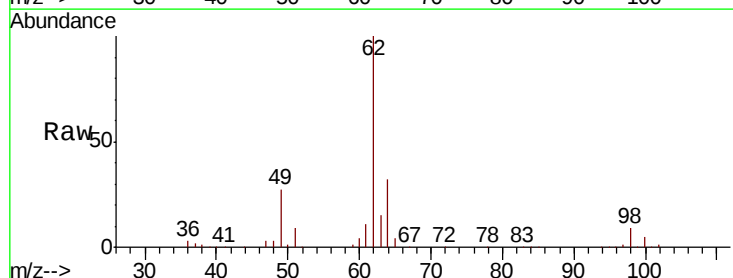
Acq: 18 Jun 2020 09:54

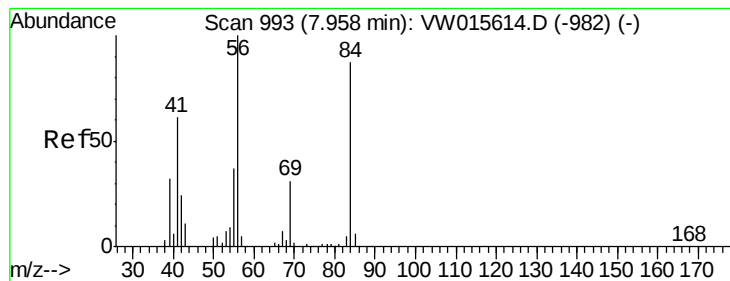
Tgt Ion: 62 Resp: 131341

Ion Ratio Lower Upper

62 100

98 8.9 7.0 10.4





#30

Cyclohexane

Concen: 21.897 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

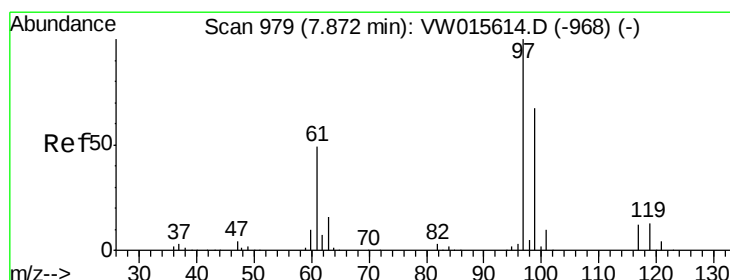
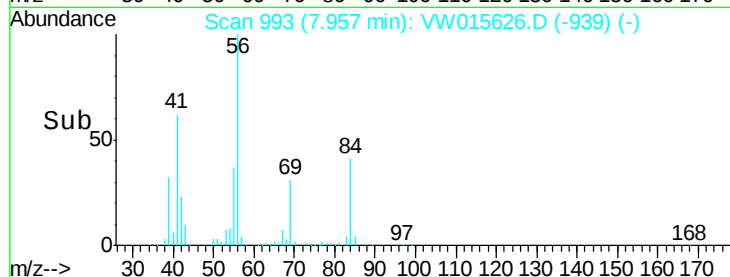
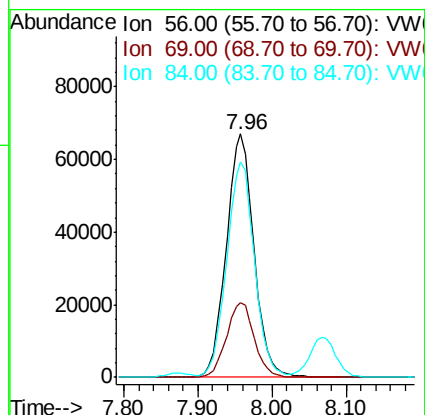
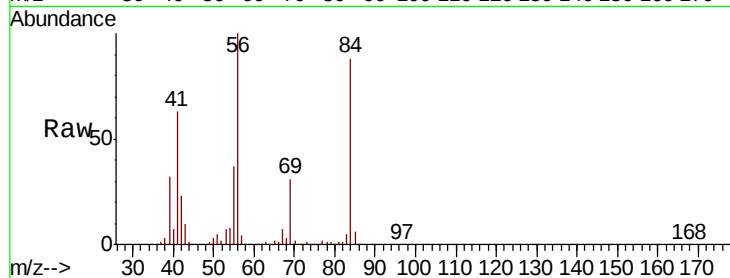
Tot Ion: 56 Resp: 173629

Ion Ratio Lower Upper

56 100

69 31.0 24.6 37.0

84 88.6 69.6 104.4



#31

1,1,1-Trichloroethane

Concen: 24.459 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

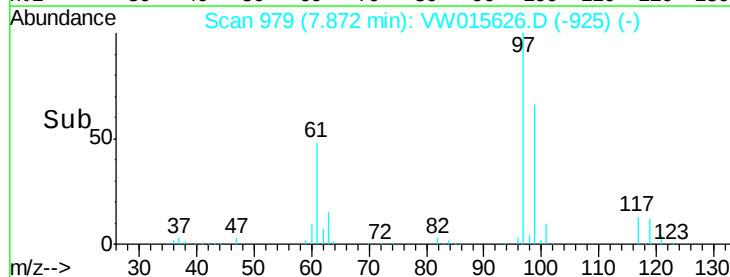
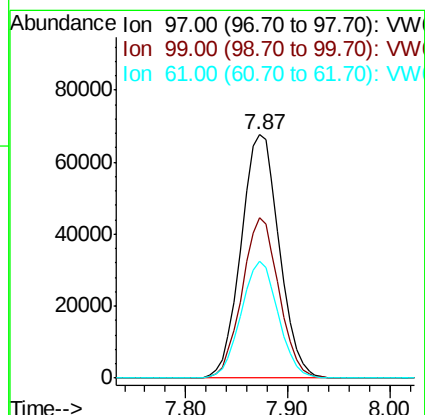
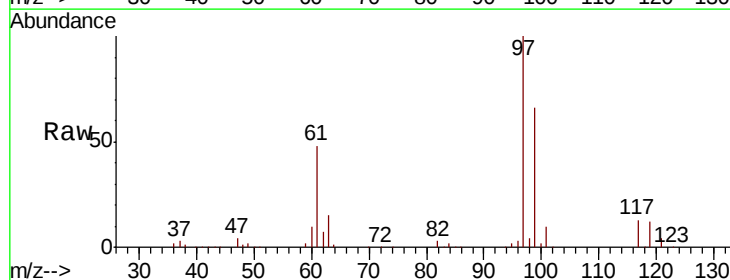
Tgt Ion: 97 Resp: 175526

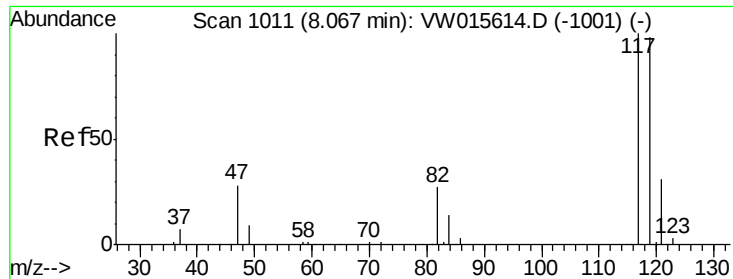
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 47.0 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.355 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

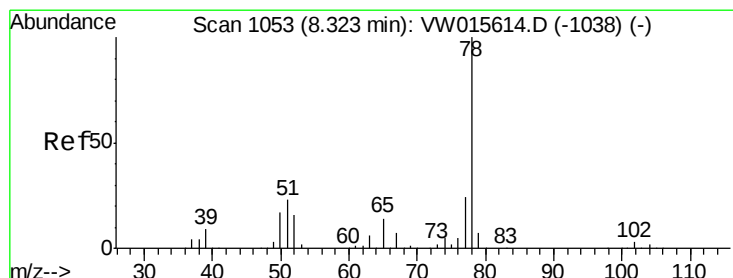
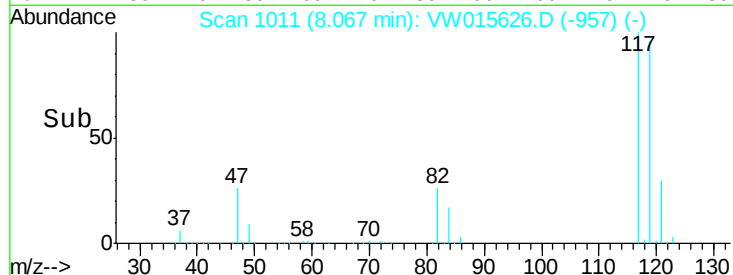
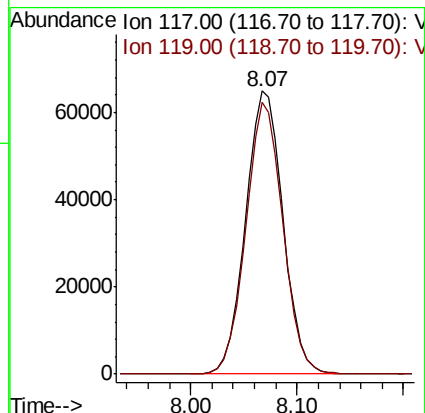
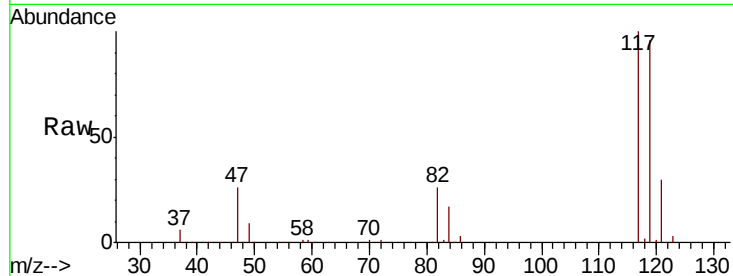
VSTD02512

Tot Ion:117 Resp: 160305

Ion Ratio Lower Upper

117 100

119 94.6 76.4 114.6



#34

Benzene

Concen: 23.672 ug/L

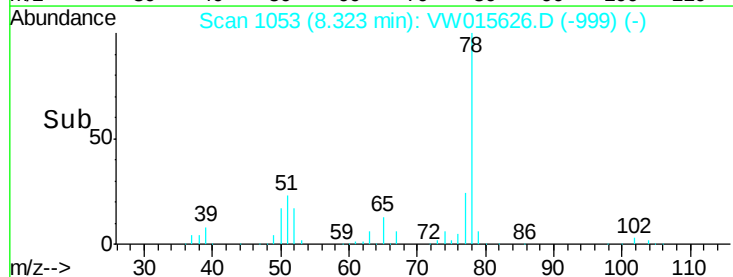
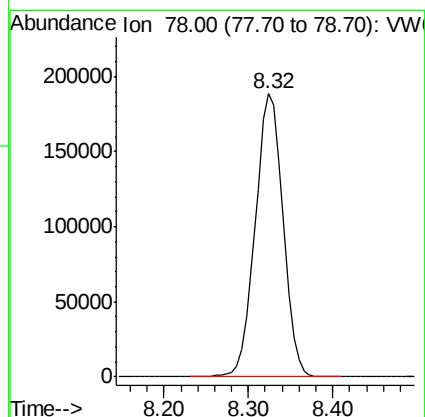
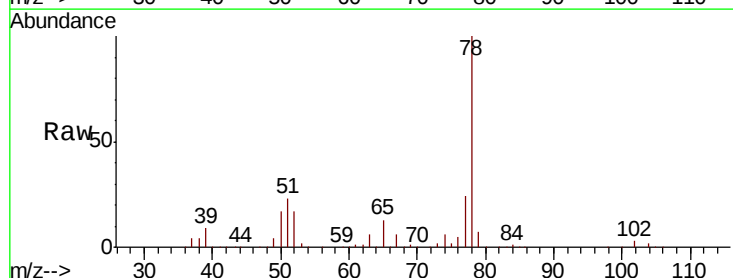
RT: 8.32 min Scan# 1053

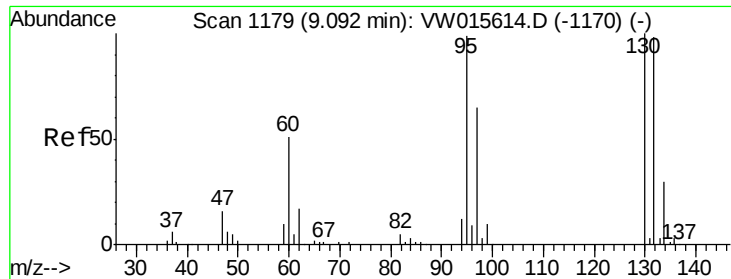
Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Tgt Ion: 78 Resp: 424644

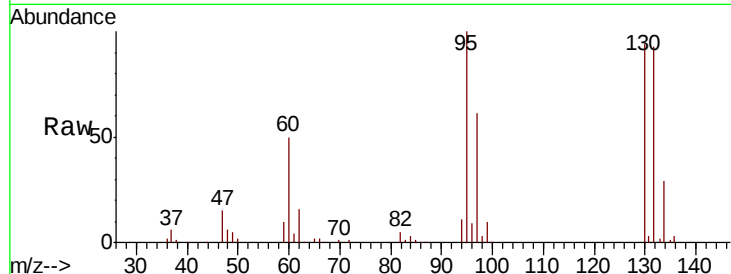




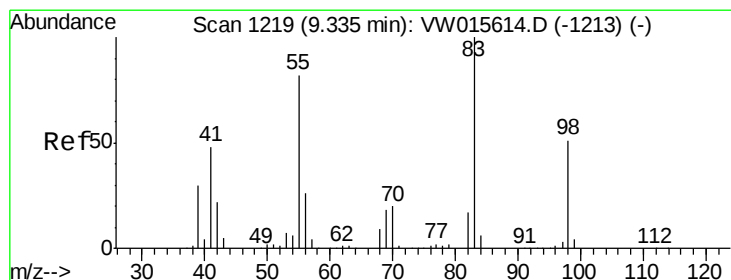
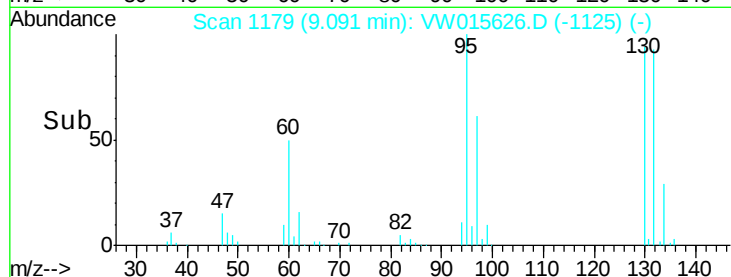
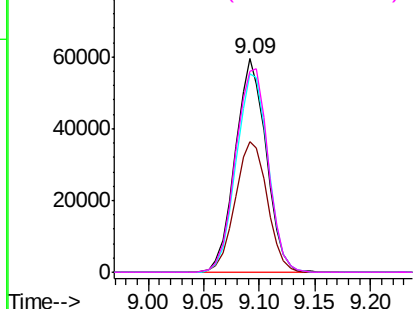
#35
 Trichloroethene
 Concen: 23.739 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tot Ion: 95 Resp: 114390
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.4 84.2
 132 95.9 67.1 124.7
 130 100.4 69.4 128.8

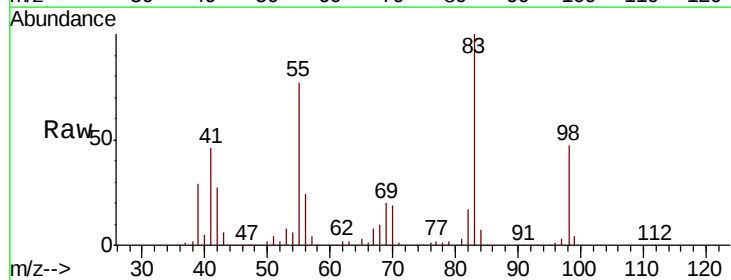


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

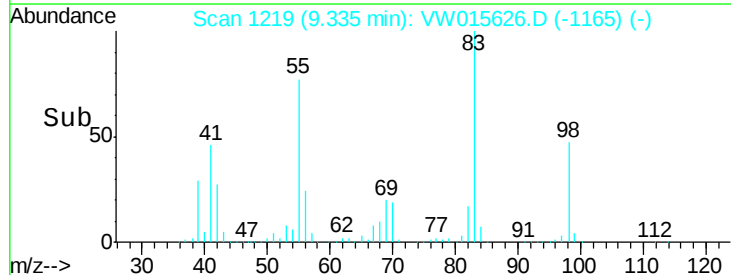
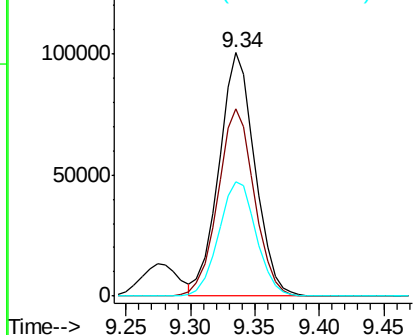


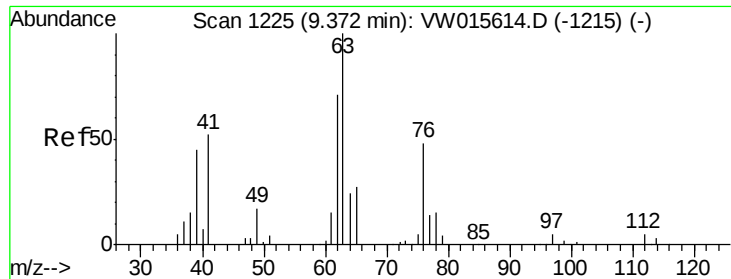
#36
 Methylcyclohexane
 Concen: 22.812 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion: 83 Resp: 196047
 Ion Ratio Lower Upper
 83 100
 55 78.1 62.8 94.2
 98 49.2 39.2 58.8



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

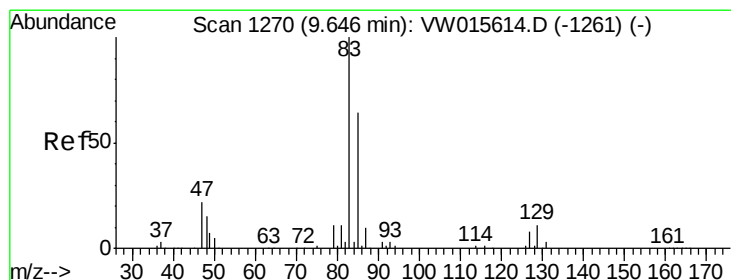
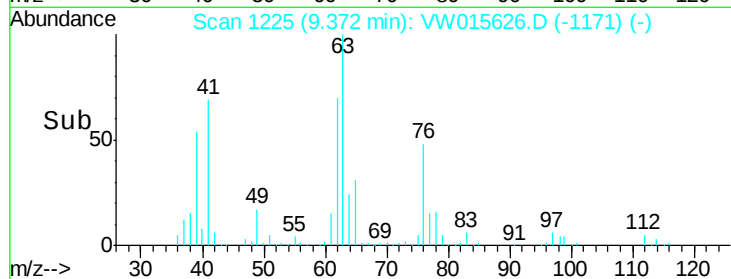
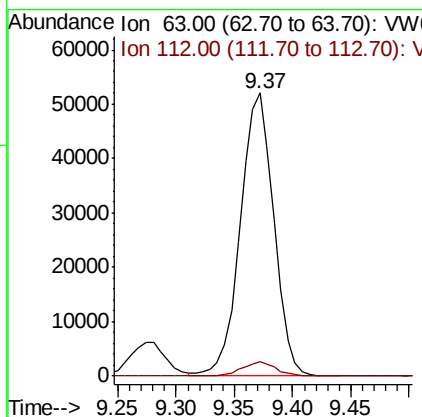
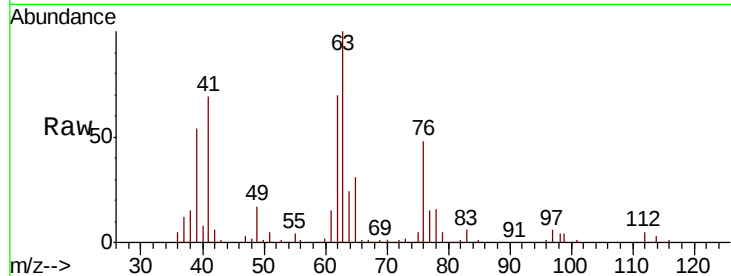




#40
 1,2-Dichloropropane
 Concen: 23.657 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

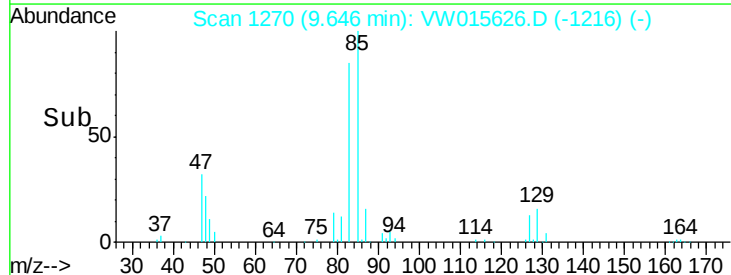
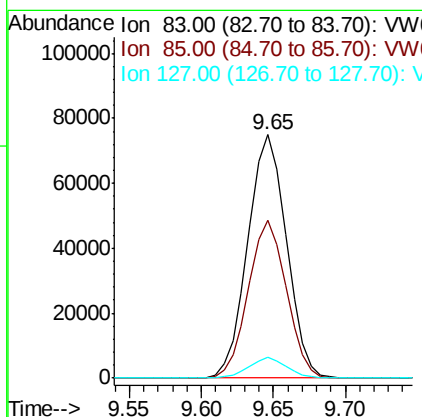
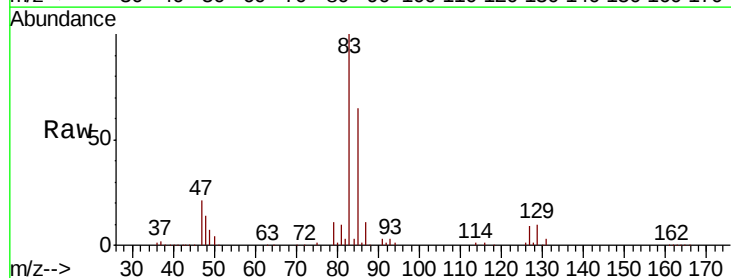
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

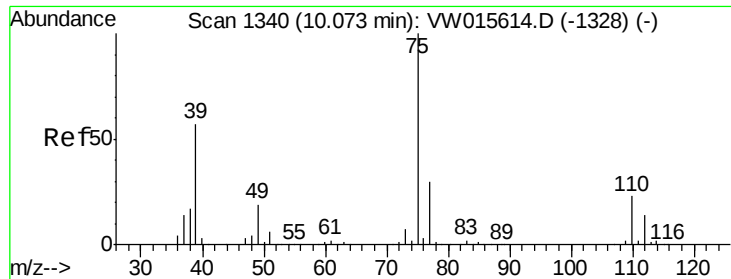
Tot Ion: 63 Resp: 104506
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#41
 Bromodichloromethane
 Concen: 23.641 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion: 83 Resp: 139523
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.8 83.2
 127 8.7 7.0 10.6

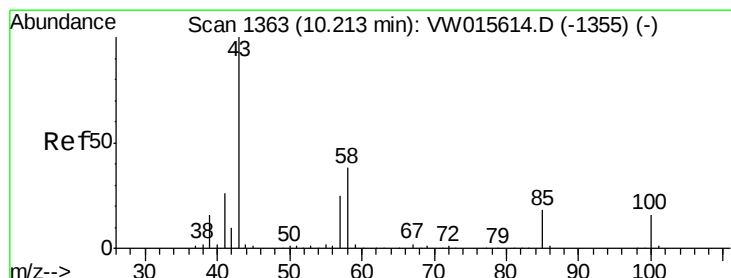
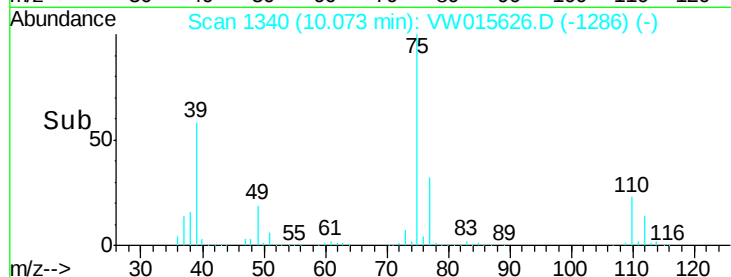
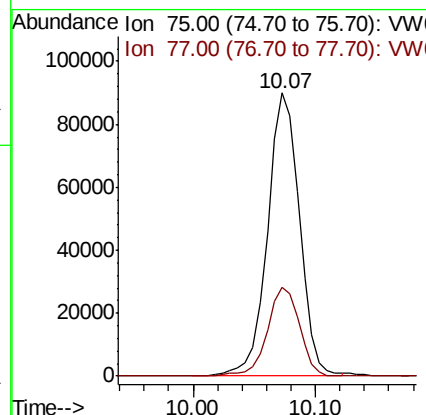
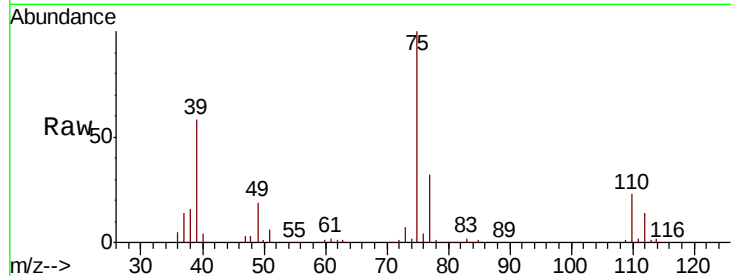




#42
 cis-1,3-Dichloropropene
 Concen: 23.174 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

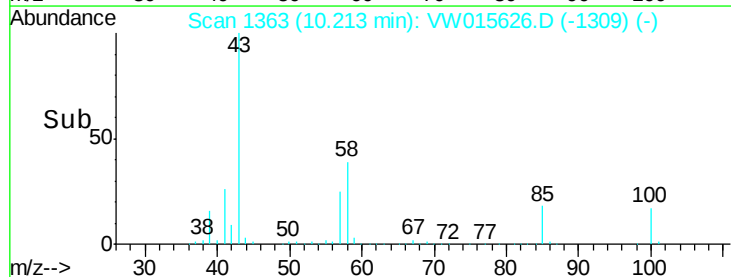
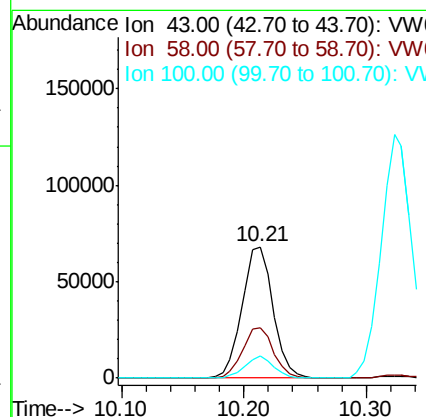
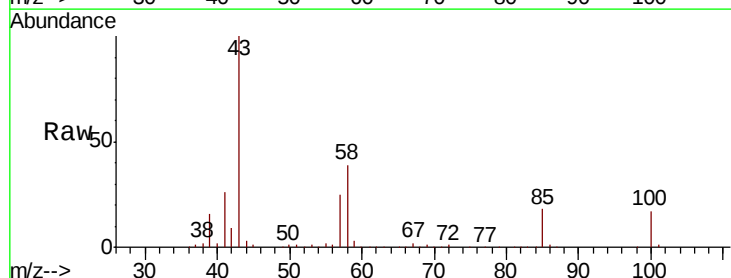
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

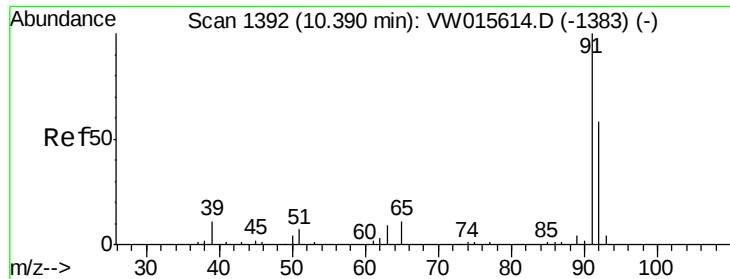
Tot Ion: 75 Resp: 163822
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 46.397 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion: 43 Resp: 120148
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 46.0
 100 15.8 12.5 18.7





#44

Toluene

Concen: 24.223 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

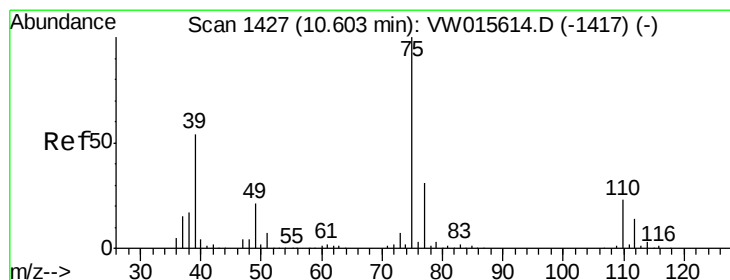
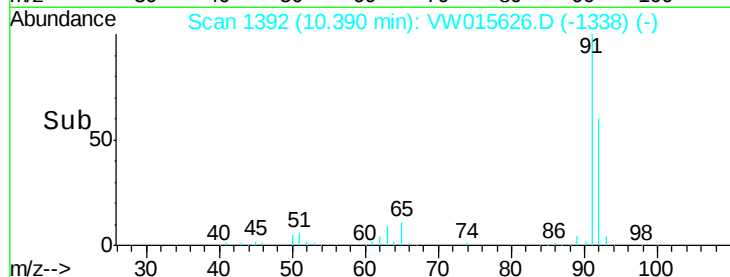
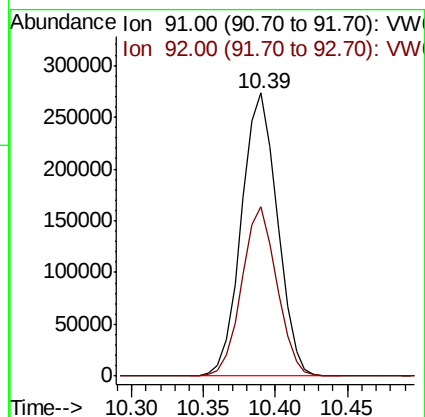
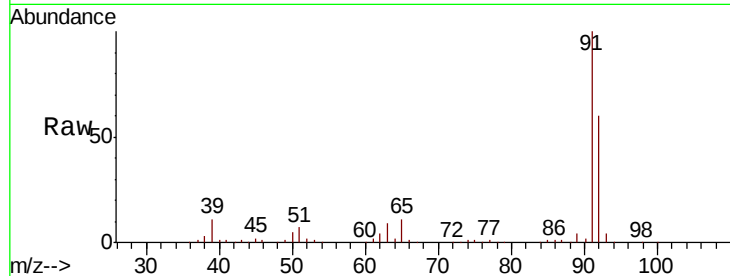
VSTD02512

Tot Ion: 91 Resp: 473424

Ion Ratio Lower Upper

91 100

92 60.0 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 23.435 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015626.D

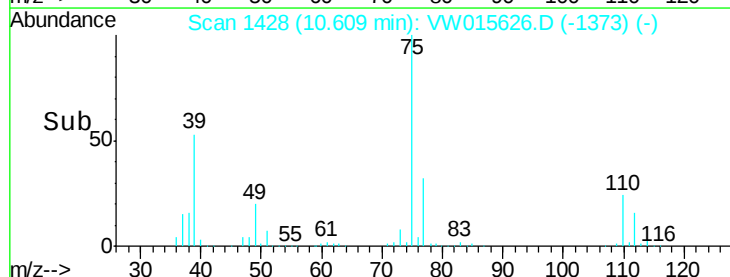
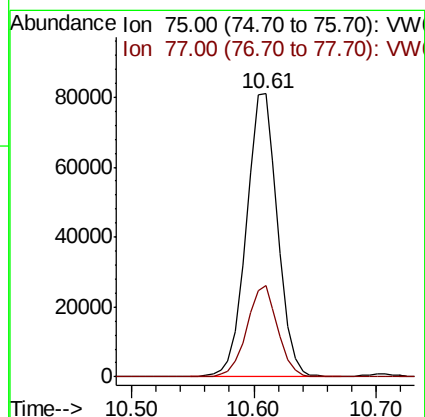
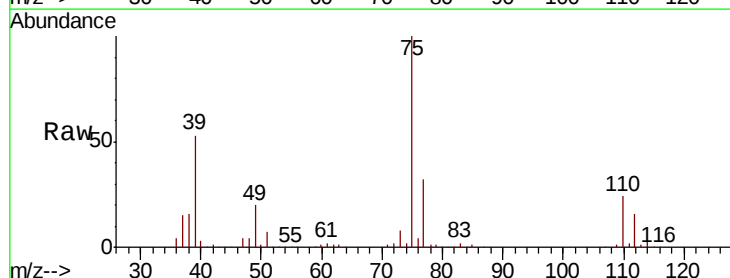
Acq: 18 Jun 2020 09:54

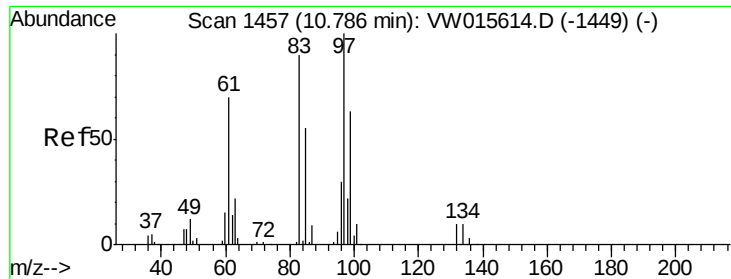
Tgt Ion: 75 Resp: 144171

Ion Ratio Lower Upper

75 100

77 32.2 21.5 39.9

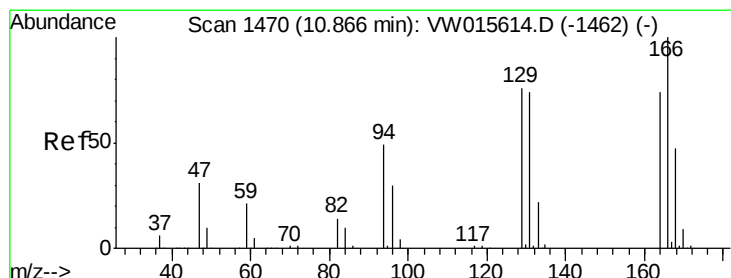
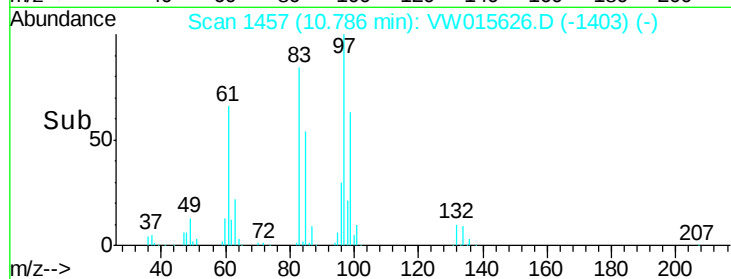
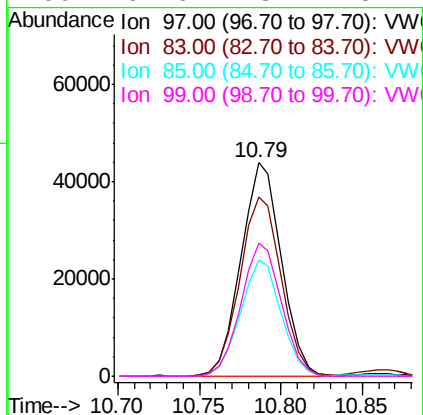
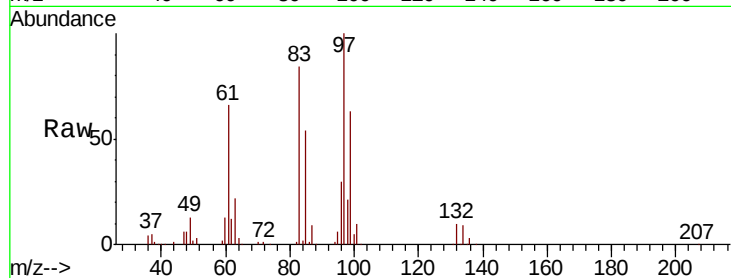




#46
 1,1,2-Trichloroethane
 Concen: 24.512 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

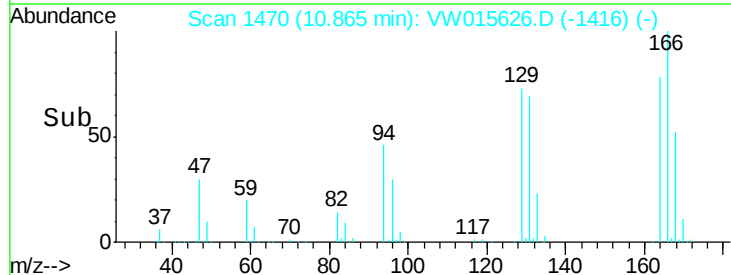
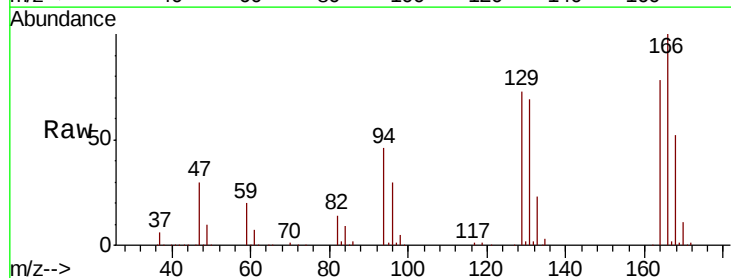
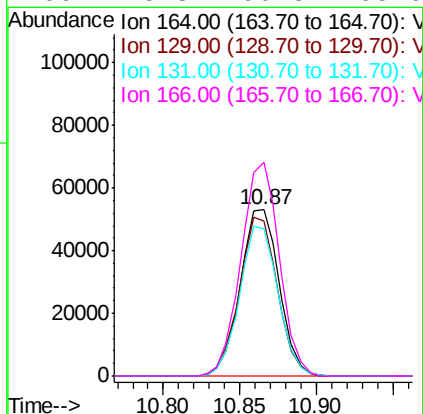
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

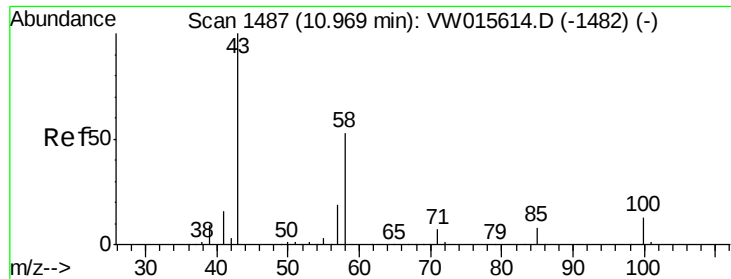
Tot Ion: 97 Resp: 75758
 Ion Ratio Lower Upper
 97 100
 83 83.9 58.2 108.2
 85 54.4 37.4 69.4
 99 62.6 43.7 81.1



#47
 Tetrachloroethene
 Concen: 24.610 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion: 164 Resp: 94001
 Ion Ratio Lower Upper
 164 100
 129 93.5 66.3 123.1
 131 88.7 65.1 120.9
 166 128.8 90.8 168.6

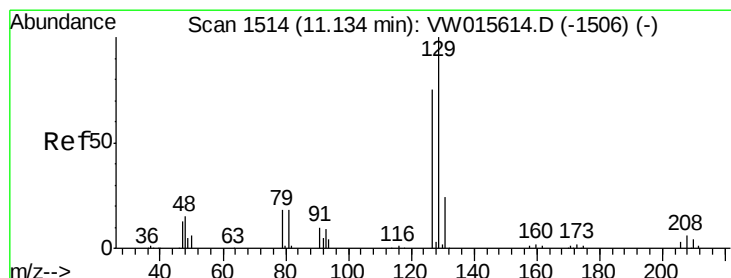
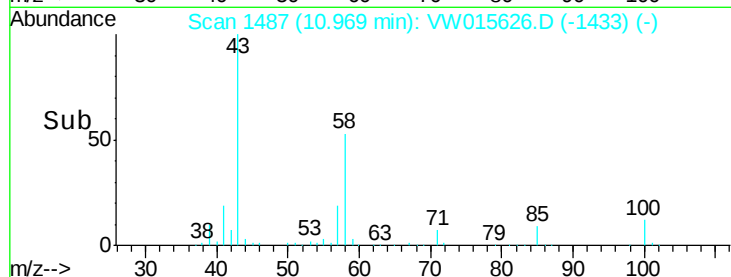
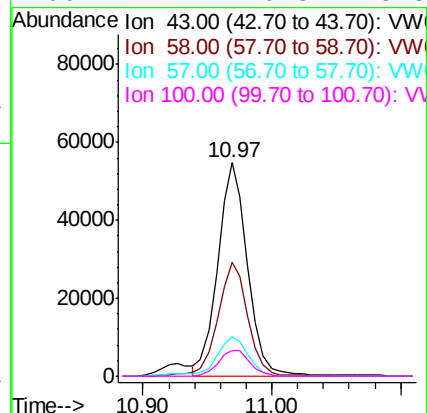
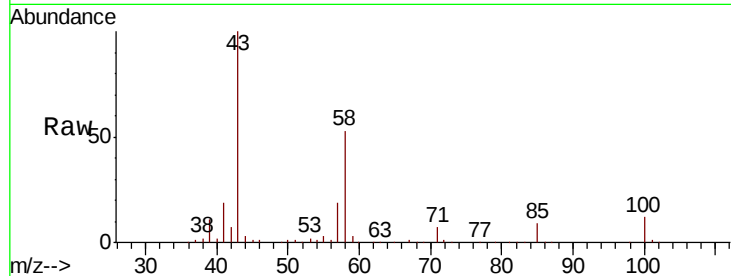




#49
2-Hexanone
Concen: 50.678 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

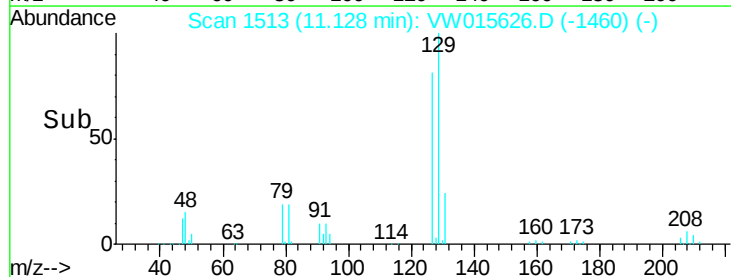
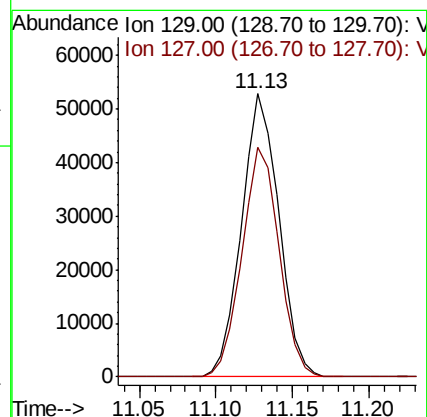
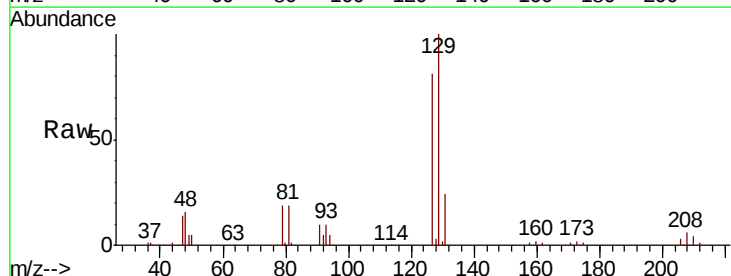
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

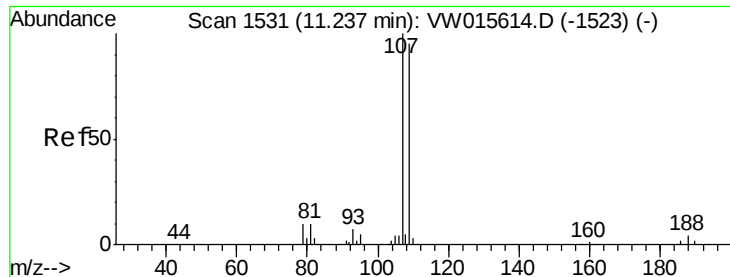
Tot Ion: 43 Resp: 88580
Ion Ratio Lower Upper
43 100
58 53.7 42.6 64.0
57 18.8 15.5 23.3
100 12.7 10.3 15.5



#50
Dibromochloromethane
Concen: 23.873 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Tgt Ion: 129 Resp: 89642
Ion Ratio Lower Upper
129 100
127 81.0 53.0 98.4

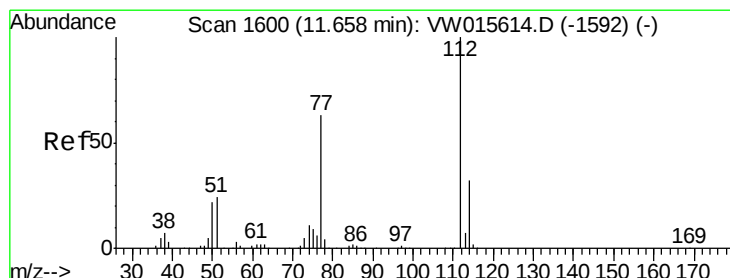
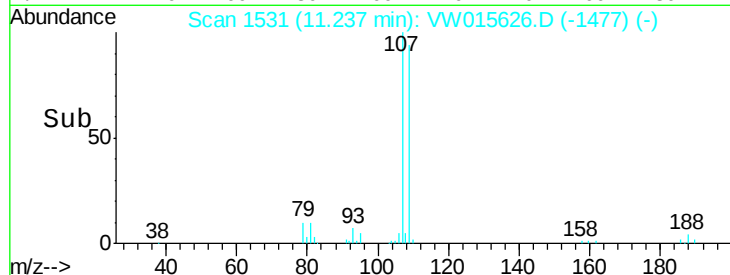
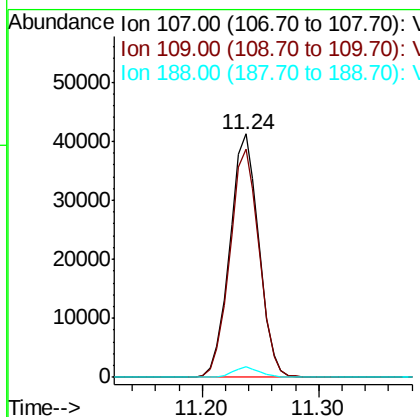
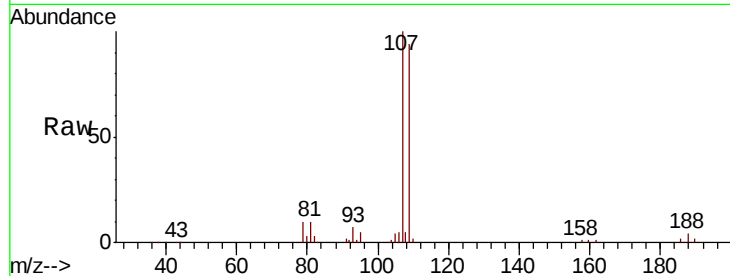




#51
1,2-Dibromoethane
Concen: 24.082 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

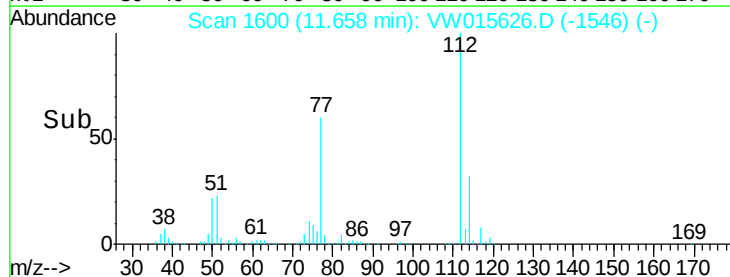
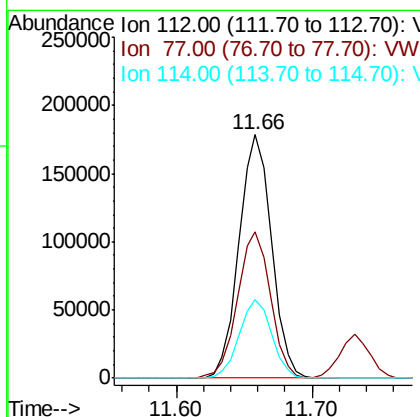
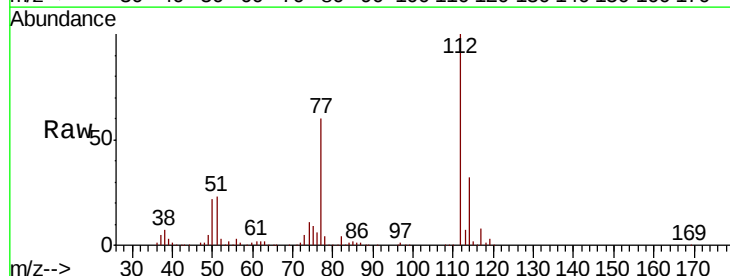
Instrument :
MSVOA_W
ClientSampled :
VSTD02512

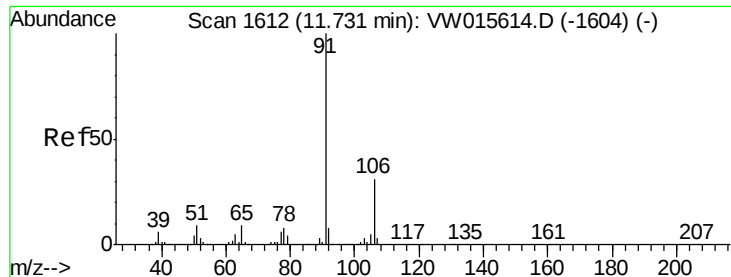
Tot Ion:107 Resp: 71453
Ion Ratio Lower Upper
107 100
109 93.9 64.6 120.0
188 4.2 2.8 4.2



#52
Chlorobenzene
Concen: 24.398 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Tgt Ion:112 Resp: 299097
Ion Ratio Lower Upper
112 100
77 60.0 49.7 74.5
114 32.2 21.8 40.6

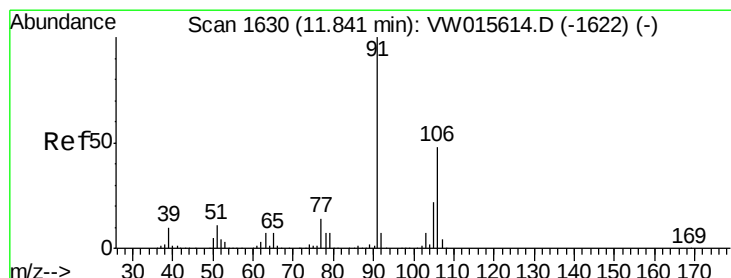
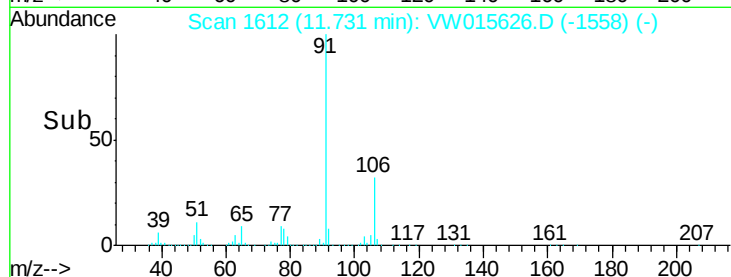
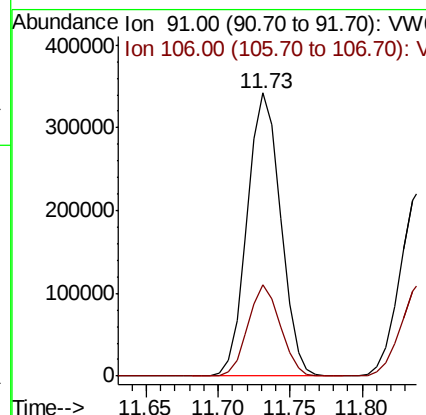
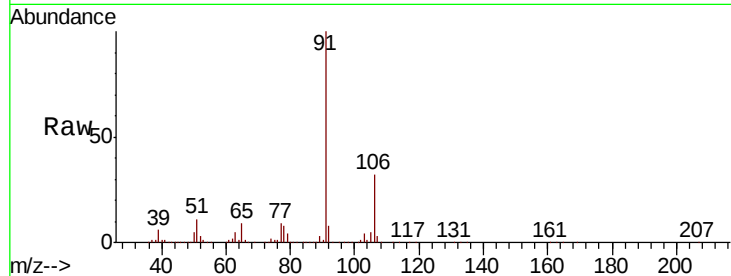




#53
Ethylbenzene
Concen: 24.527 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

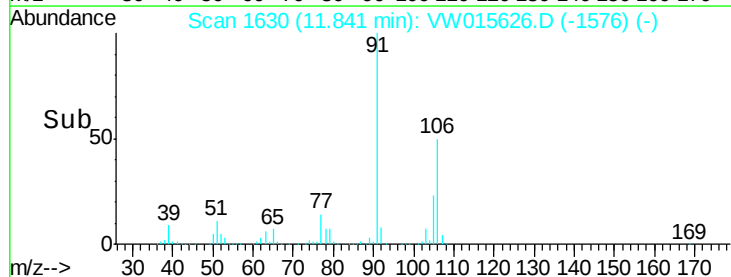
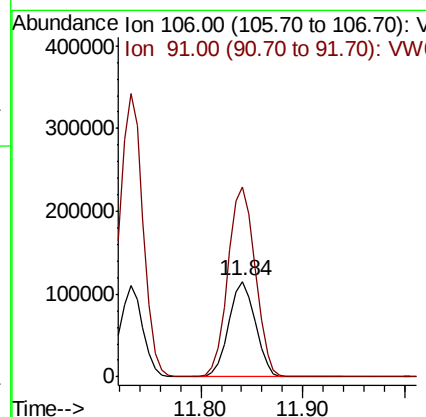
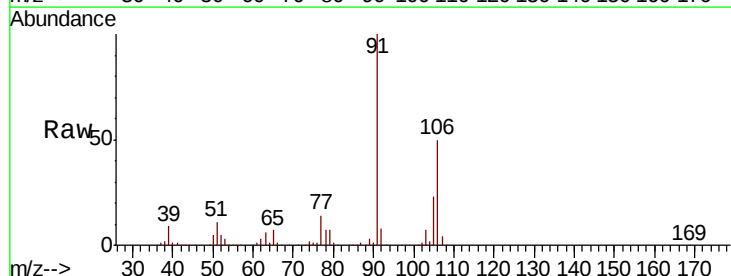
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

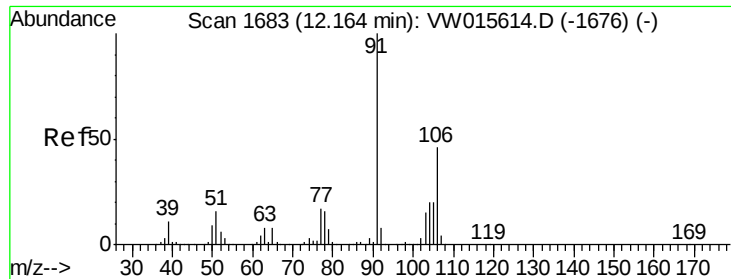
Tot Ion: 91 Resp: 550435
Ion Ratio Lower Upper
91 100
106 32.2 21.3 39.6



#54
m,p-Xylene
Concen: 24.769 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Tgt Ion: 106 Resp: 208580
Ion Ratio Lower Upper
106 100
91 198.6 142.6 264.8

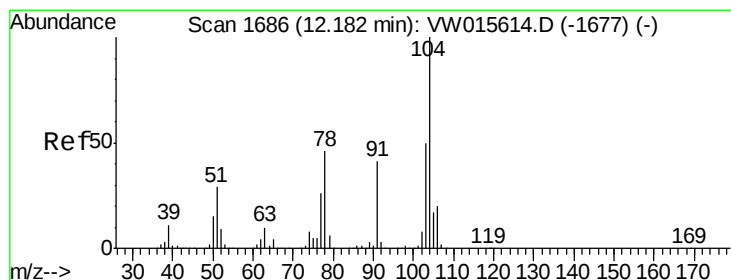
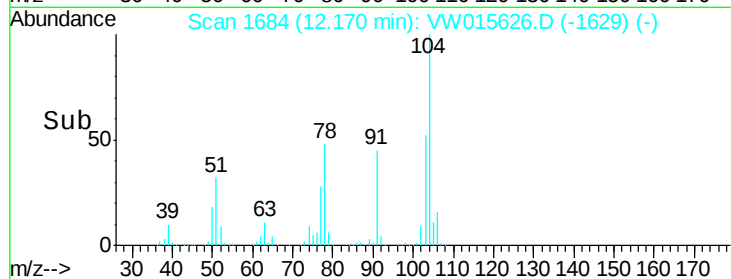
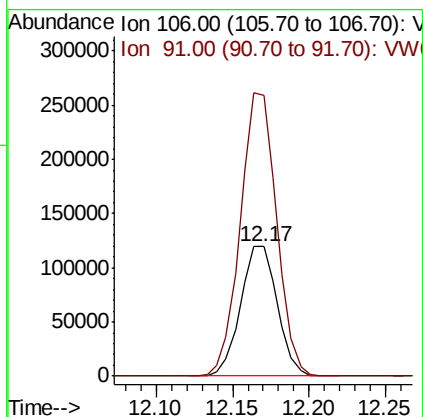
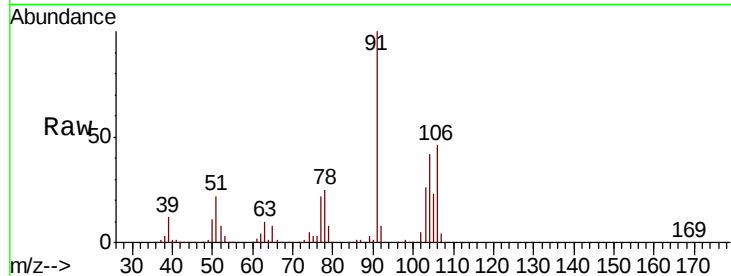




#55
o-xylene
Concen: 24.903 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

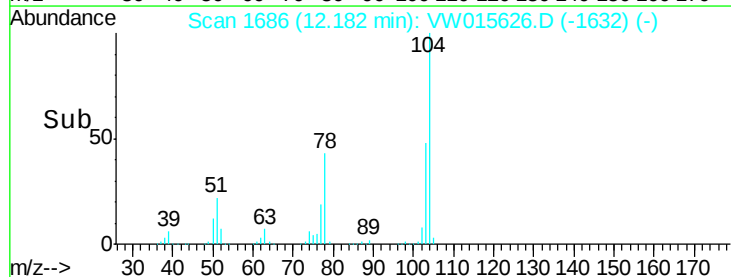
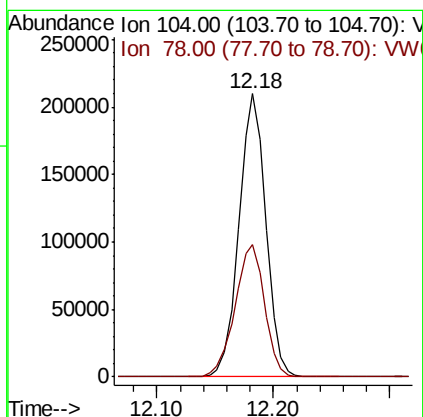
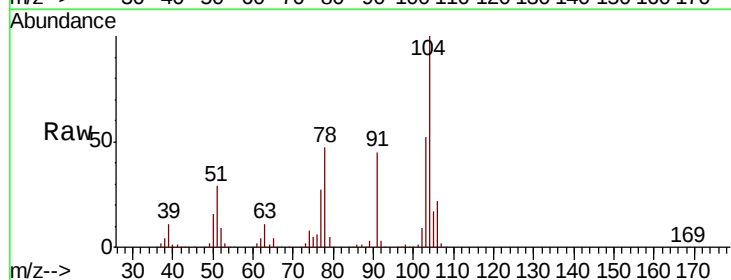
Instrument :
MSVOA_W
ClientSampled :
VSTD02512

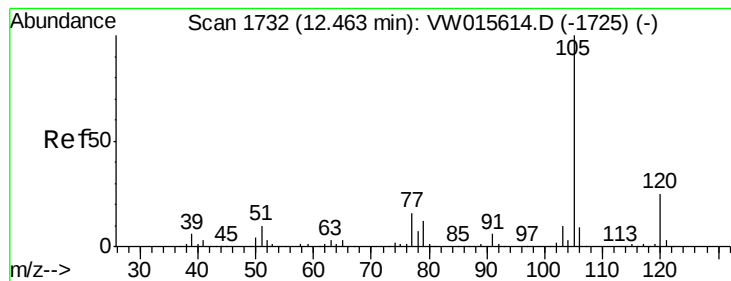
Tot Ion:106 Resp: 199061
Ion Ratio Lower Upper
106 100
91 217.1 149.0 276.6



#56
Styrene
Concen: 24.703 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015626.D
Acq: 18 Jun 2020 09:54

Tgt Ion:104 Resp: 337400
Ion Ratio Lower Upper
104 100
78 46.9 32.9 61.1





#57

Isopropylbenzene

Concen: 25.060 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

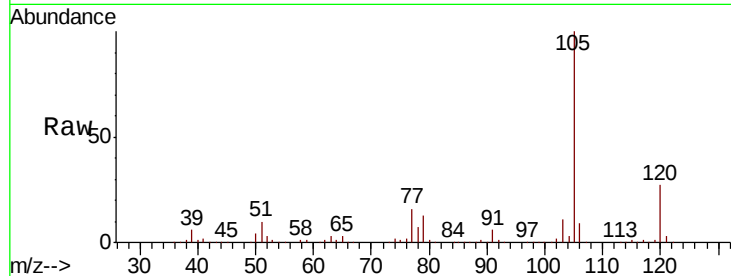
Tot Ion:105 Resp: 557997

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

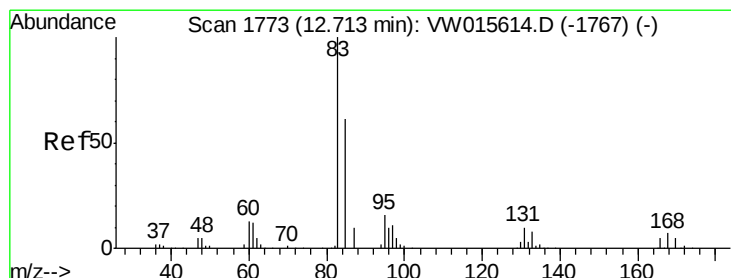
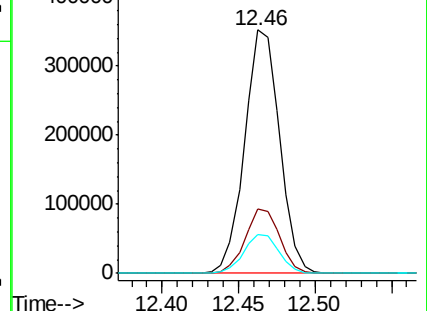
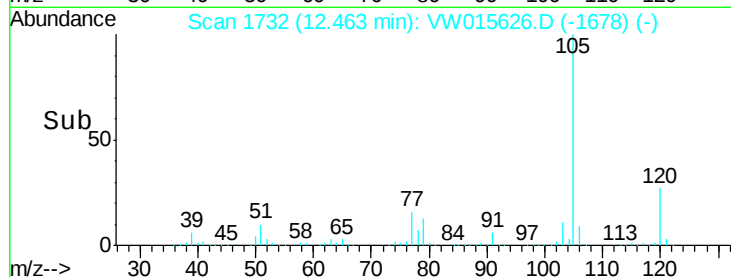
77 16.1 13.0 19.6



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: 25.384 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

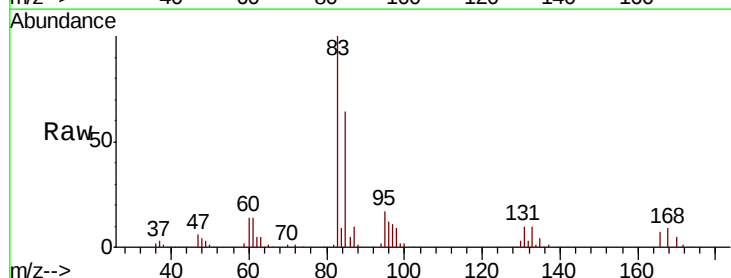
Tgt Ion: 83 Resp: 90826

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

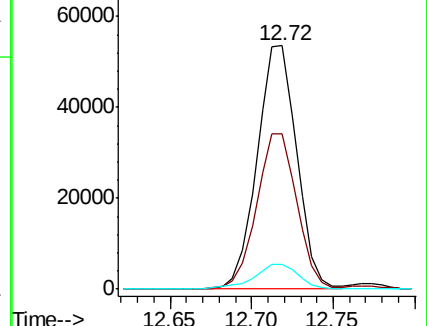
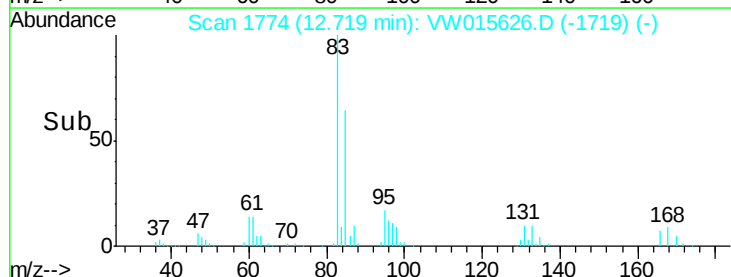
131 10.3 9.1 13.7

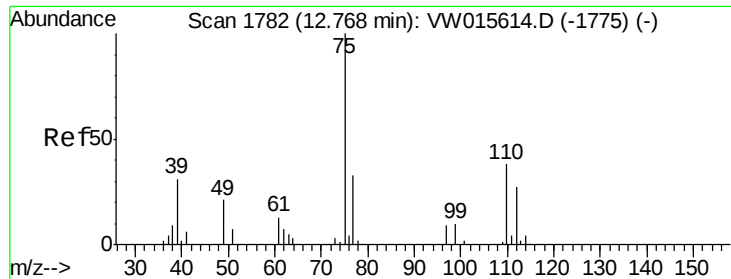


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

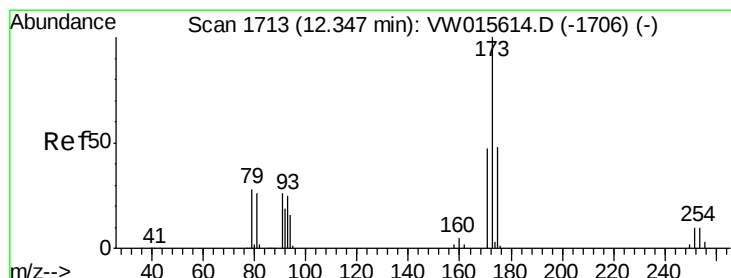
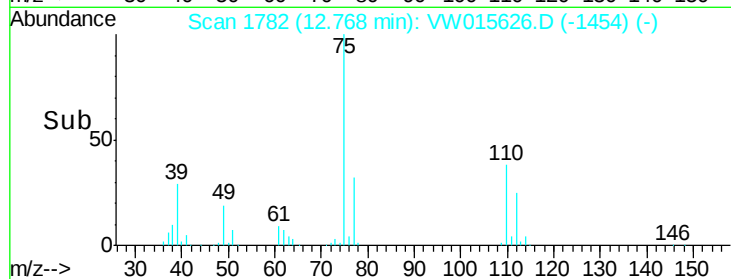
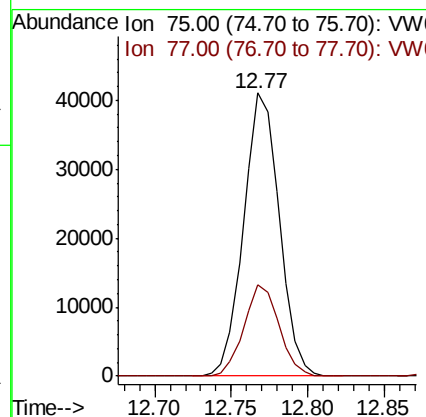
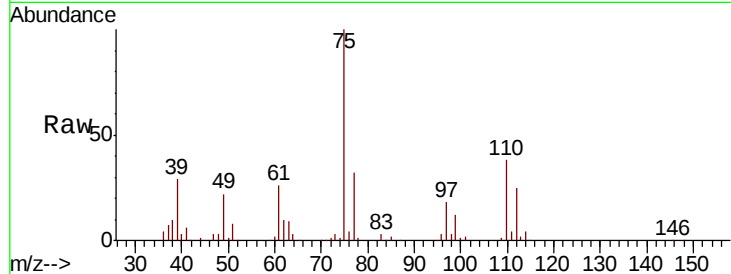




#59
 1,2,3-Trichloropropane
 Concen: 24.552 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

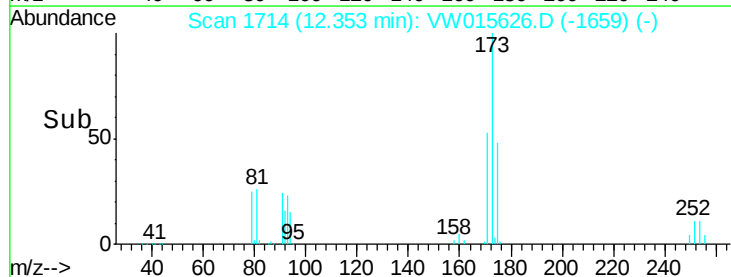
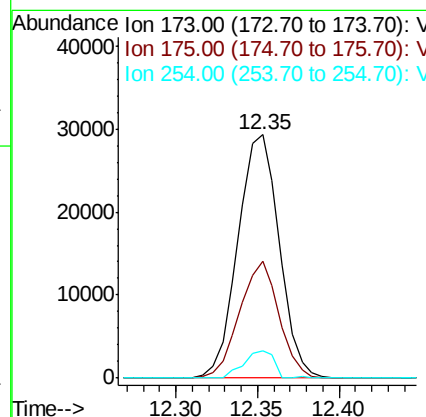
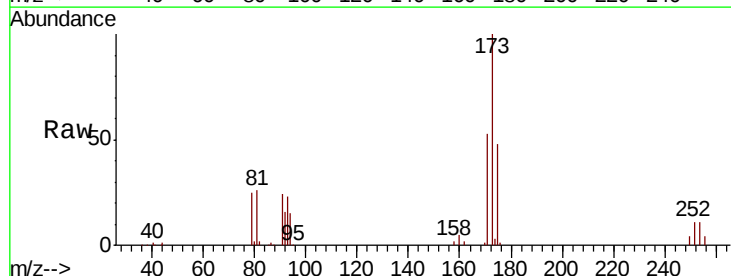
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

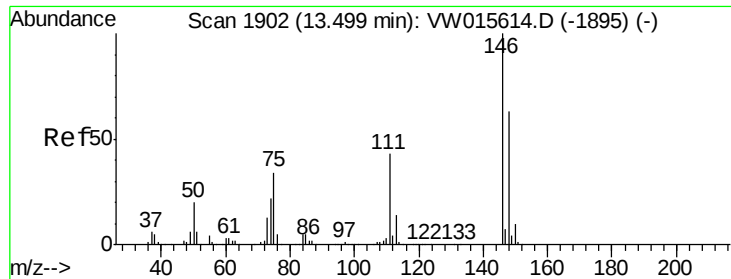
Tot Ion: 75 Resp: 66610
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#62
 Bromoform
 Concen: 22.097 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion: 173 Resp: 51734
 Ion Ratio Lower Upper
 173 100
 175 45.8 37.9 56.9
 254 8.2 6.8 10.2

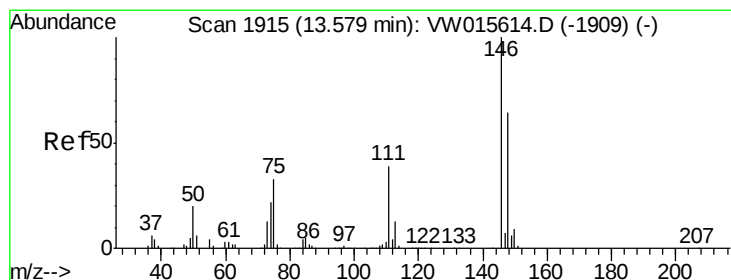
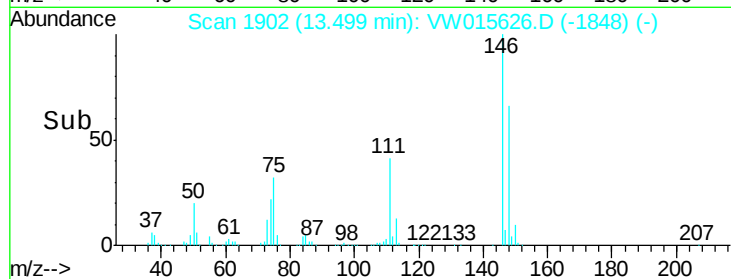
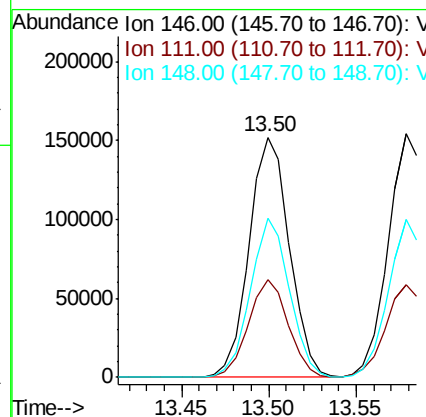
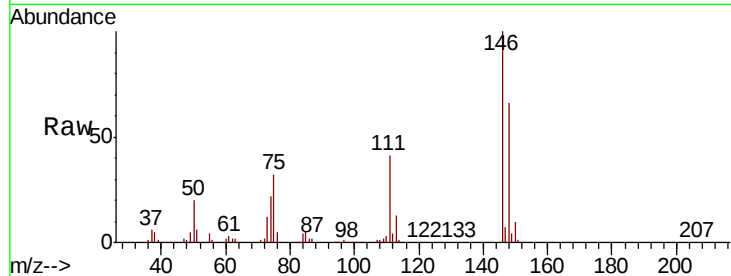




#63
 1,3-Dichlorobenzene
 Concen: 23.646 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

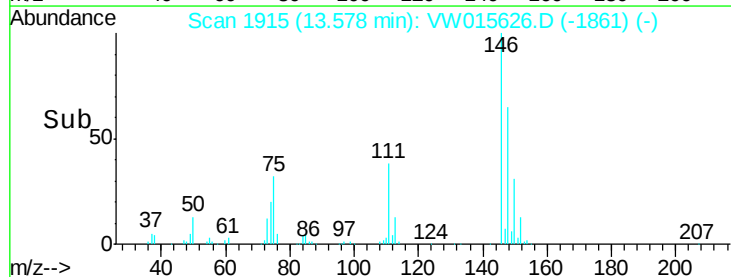
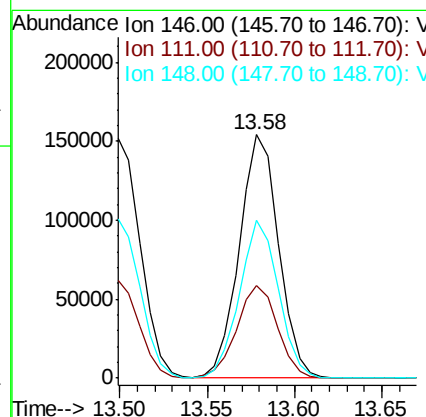
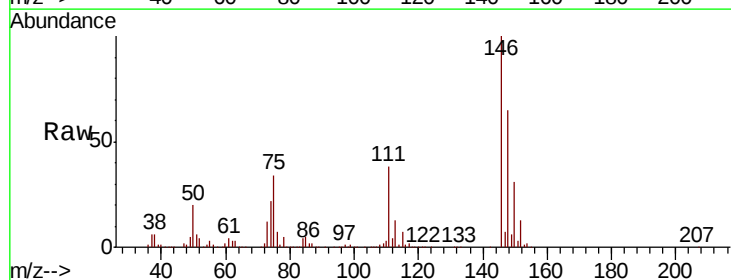
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

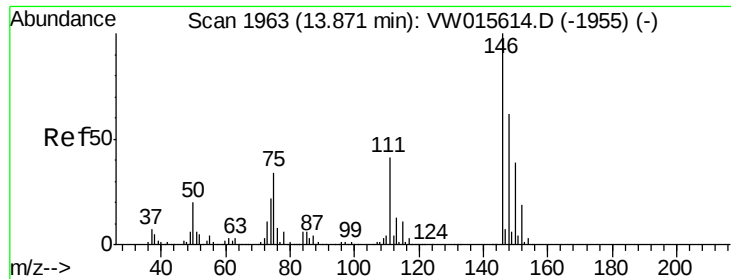
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	29.3	54.5
148	66.4	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 23.934 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	28.1	52.1
148	64.8	43.3	80.3

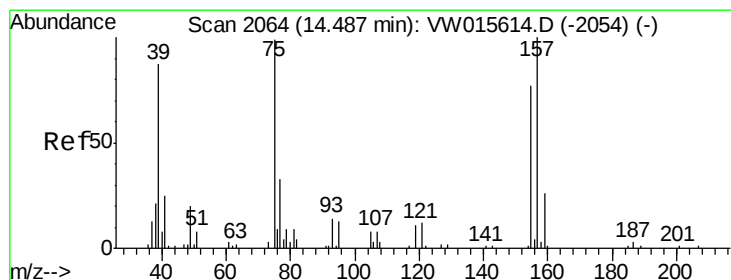
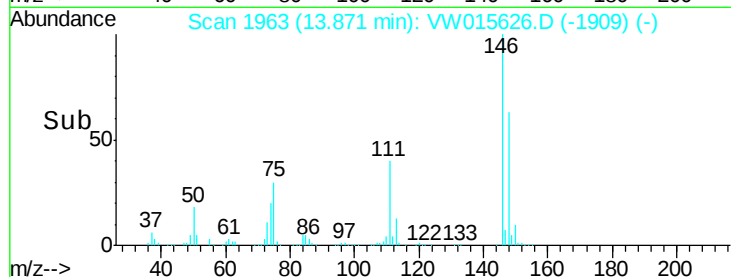
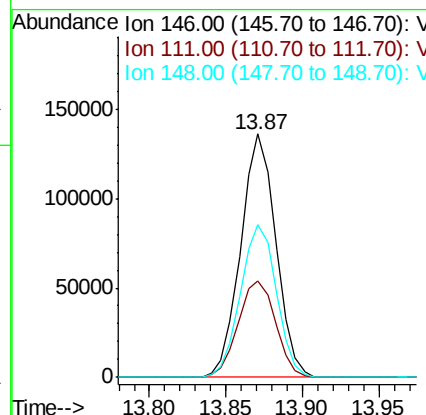
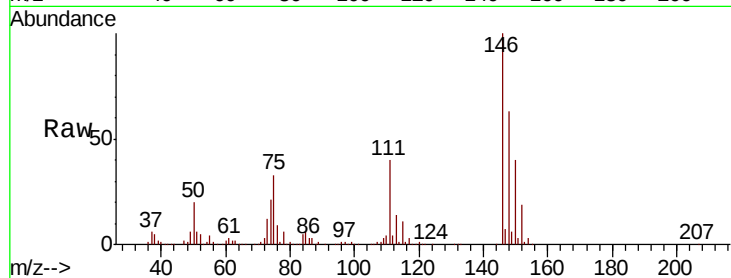




#65
 1,2-Dichlorobenzene
 Concen: 24.264 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

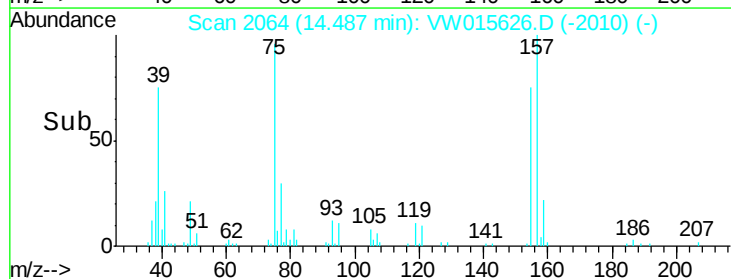
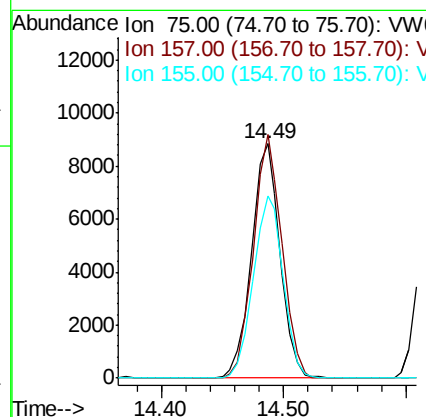
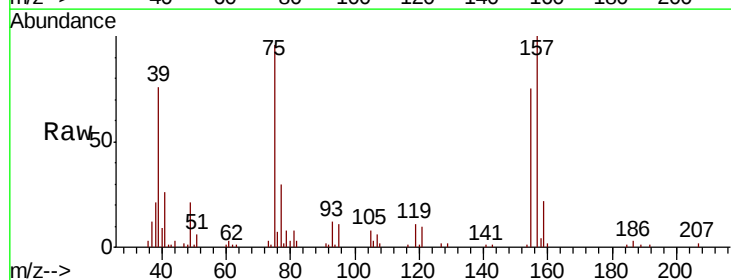
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02512

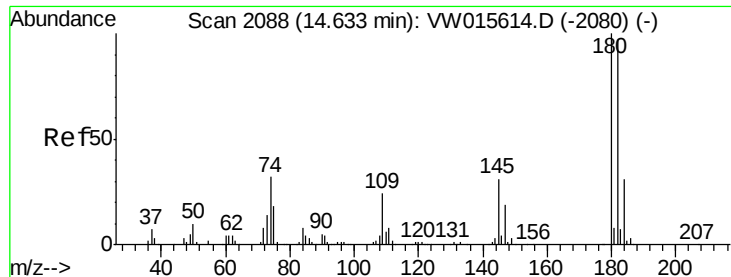
Tot Ion:146 Resp: 216806
 Ion Ratio Lower Upper
 146 100
 111 39.9 34.9 52.3
 148 62.7 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.148 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion: 75 Resp: 14335
 Ion Ratio Lower Upper
 75 100
 157 104.0 87.4 131.0
 155 77.6 64.6 96.8

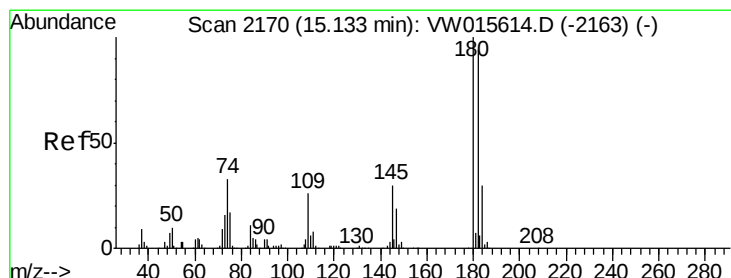
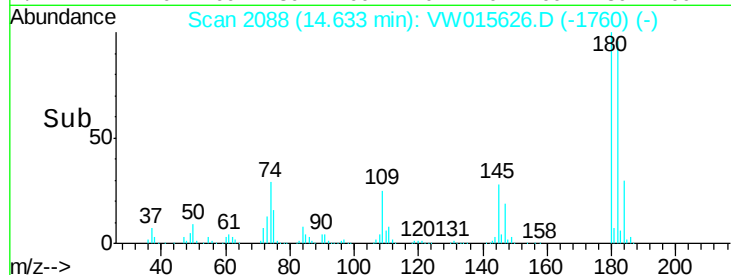
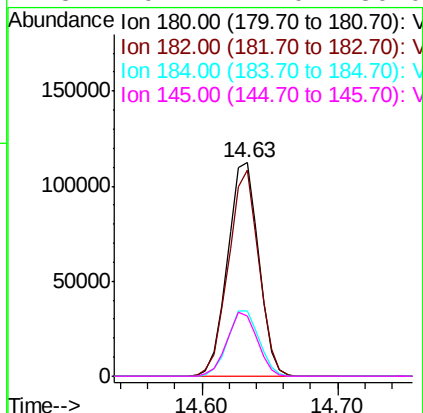
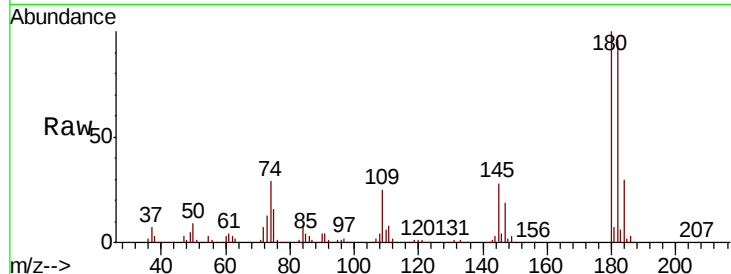




#67
 1,3,5-Trichlorobenzene
 Concen: 25.115 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

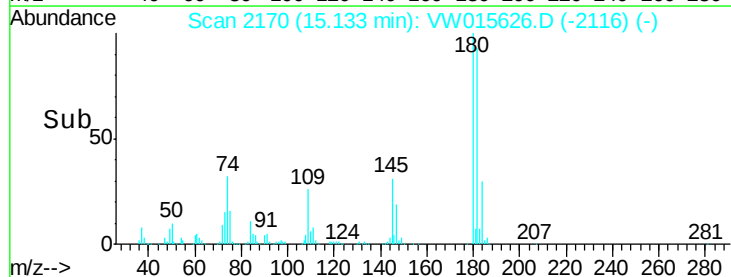
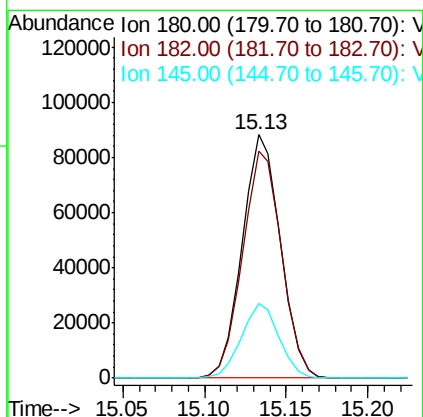
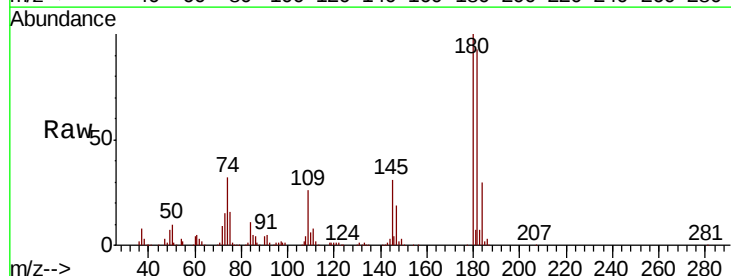
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

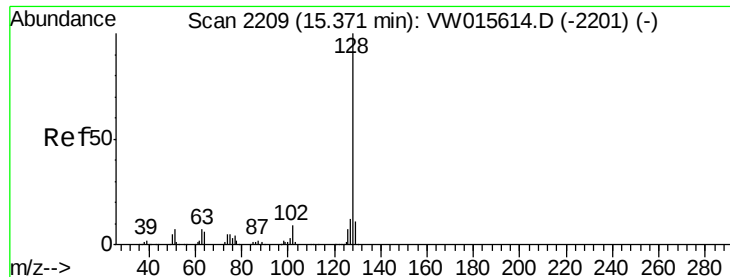
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	114.8
184	30.8	24.4	36.6
145	29.2	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 25.153 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015626.D
 Acq: 18 Jun 2020 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	30.1	25.2	37.8





#69

Naphthalene

Concen: 23.678 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

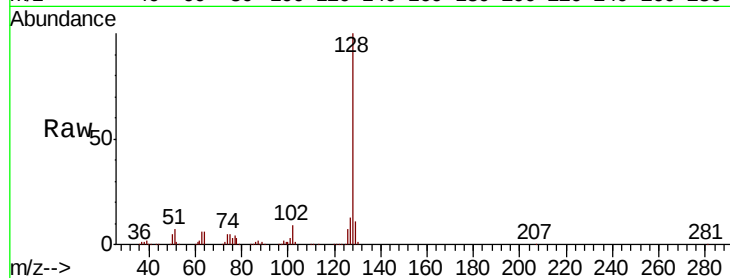
Tot Ion:128 Resp: 246508

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

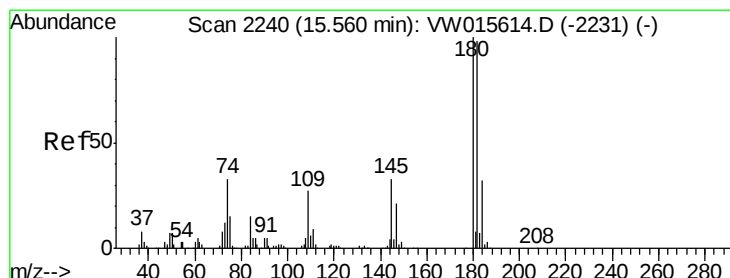
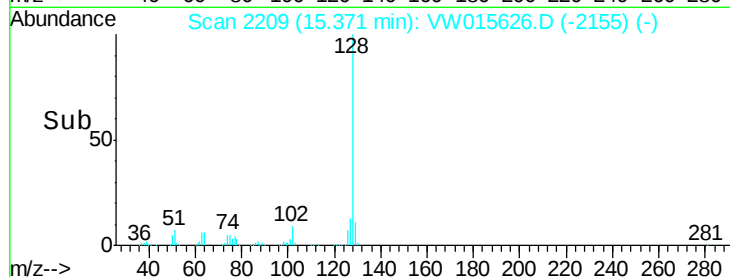
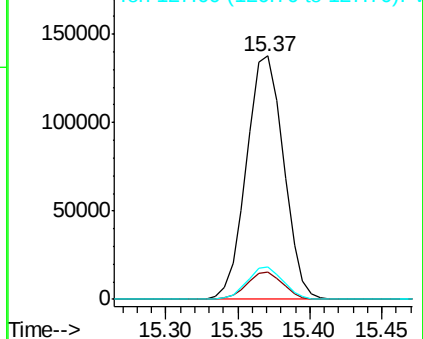
127 13.0 10.6 15.8



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: 25.600 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015626.D

Acq: 18 Jun 2020 09:54

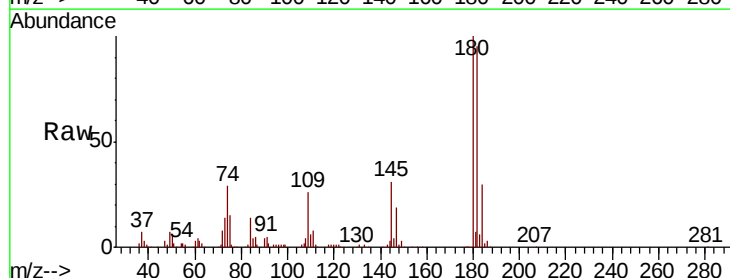
Tgt Ion:180 Resp: 124873

Ion Ratio Lower Upper

180 100

182 94.1 75.4 113.2

145 32.3 26.7 40.1



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

