

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015960.D
 Acq On : 27 Jul 2020 09:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Jul 28 01:25:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 27 05:05:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	441577	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	398697	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191608	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122804	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.84%
7) Chloroethane-d5	2.89	69	111128	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.84%
10) 1,1-Dichloroethene-d2	4.01	63	287904	22.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.40%
20) 2-Butanone-d5	7.09	46	91394	55.84	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.68%
24) Chloroform-d	7.65	84	288287	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	8.31	65	154387	22.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.72%
29) Benzene-d6	8.27	84	567203	23.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.48%
33) 1,2-Dichloropropane-d6	9.27	67	173102	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.33	98	497247	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	10.58	79	70629	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.12%
39) 2-Hexanone-d5	10.93	63	69523	57.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144887	25.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	172207	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	98193	26.279	ug/L 99
3) Chloromethane	2.21	50	118218	26.159	ug/L 99
5) Vinyl chloride	2.37	62	175985	25.249	ug/L 100
6) Bromomethane	2.79	94	101051	24.301	ug/L 99
8) Chloroethane	2.93	64	105187	25.761	ug/L 99
9) Trichlorofluoromethane	3.26	101	135860	28.998	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	153977	26.886	ug/L 98
12) 1,1-Dichloroethene	4.04	96	148505	26.162	ug/L 92
13) Acetone	4.14	43	82861	60.284	ug/L 97
14) Carbon disulfide	4.38	76	455986	25.436	ug/L 99
15) Methyl Acetate	4.68	43	75057	28.961	ug/L 99
16) Methylene chloride	4.92	84	172292	23.811	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	227317	28.319	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	155944	26.016	ug/L 98
19) 1,1-Dichloroethane	6.22	63	291167	26.359	ug/L 98
21) 2-Butanone	7.18	43	104263	61.342	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	164942	26.301	ug/L 98

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 QLast Update : Mon Jul 27 05:05:11 2020
 Response via : Initial Calibration

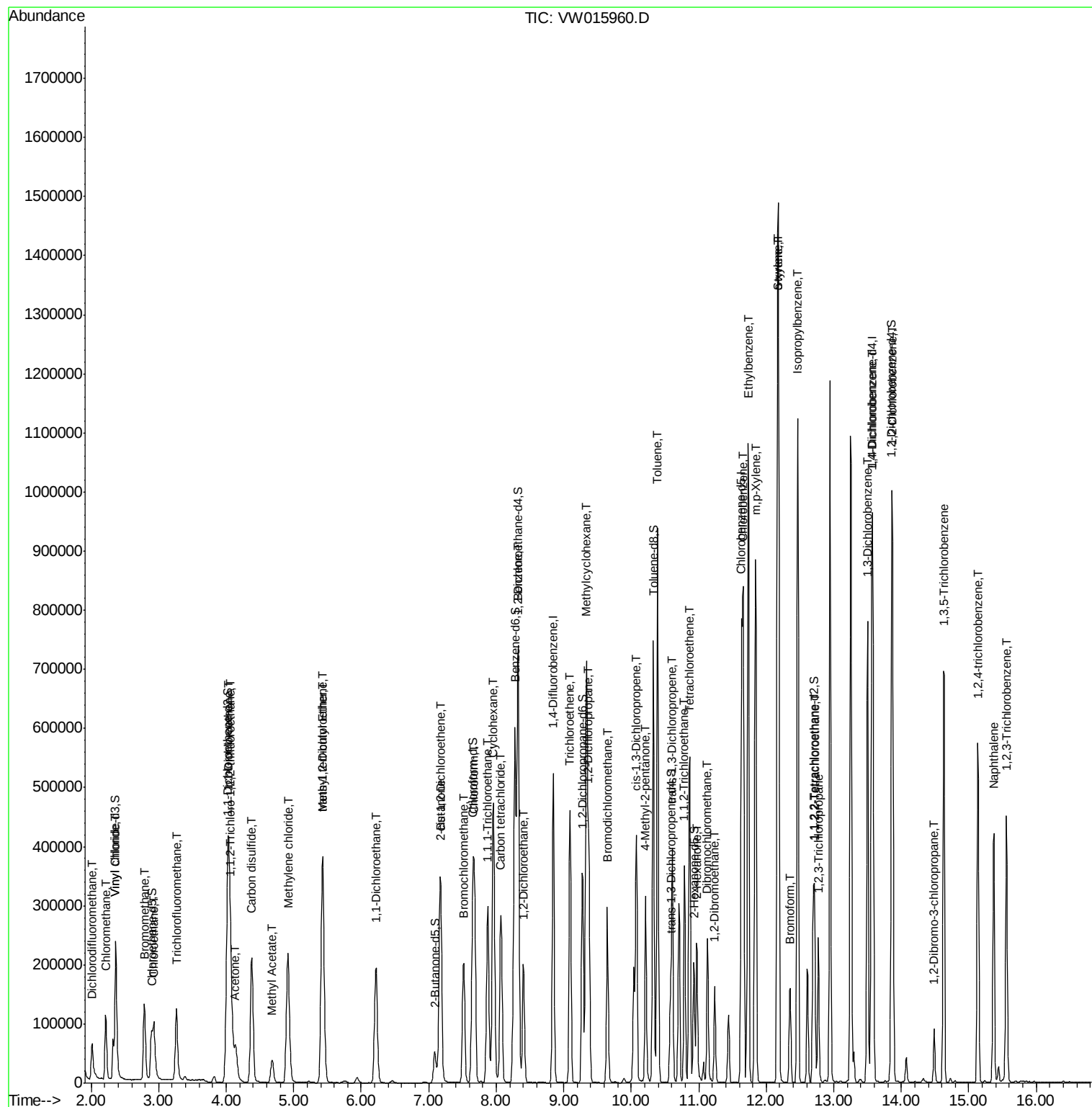
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72537	26.377	ug/L	95
25) Chloroform	7.68	83	284613	25.998	ug/L	100
27) 1,2-Dichloroethane	8.40	62	186531	25.040	ug/L	97
30) Cyclohexane	7.96	56	267199	26.579	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	242416	26.039	ug/L	99
32) Carbon tetrachloride	8.07	117	217455	25.759	ug/L	100
34) Benzene	8.32	78	645653	26.663	ug/L	100
35) Trichloroethene	9.09	95	163788	25.569	ug/L	99
36) Methylcyclohexane	9.34	83	288730	26.268	ug/L	100
40) 1,2-Dichloropropane	9.37	63	160046	26.679	ug/L	100
41) Bromodichloromethane	9.65	83	203193	26.228	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	246806	27.014	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	202228	57.755	ug/L	99
44) Toluene	10.39	91	671479	26.439	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	215037	27.154	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	118353	27.436	ug/L	97
47) Tetrachloroethene	10.87	164	129399	26.025	ug/L	92
49) 2-Hexanone	10.97	43	148839	59.900	ug/L	100
50) Dibromochloromethane	11.13	129	131927	26.415	ug/L	98
51) 1,2-Dibromoethane	11.24	107	111628	27.050	ug/L #	98
52) Chlorobenzene	11.66	112	422349	25.952	ug/L	100
53) Ethylbenzene	11.73	91	754764	26.428	ug/L	98
54) m,p-Xylene	11.84	106	284151	26.594	ug/L	99
55) o-xylene	12.17	106	265694	26.408	ug/L	98
56) Styrene	12.18	104	458095	26.774	ug/L	99
57) Isopropylbenzene	12.46	105	728675	26.605	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	141553	27.945	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107084	28.215	ug/L	100
62) Bromoform	12.35	173	75346	26.731	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	316408	25.801	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	306368	24.616	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	280061	25.142	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	23458	27.979	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	221541	25.693	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	178139	26.010	ug/L	97
69) Naphthalene	15.37	128	366367	28.394	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	157893	25.873	ug/L	95

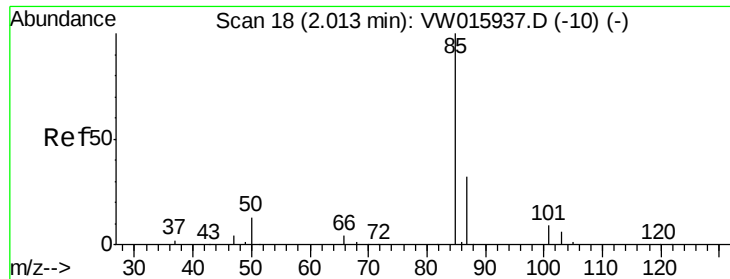
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
VSTD02513

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#2

Dichlorodifluoromethane

Concen: 26.279 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

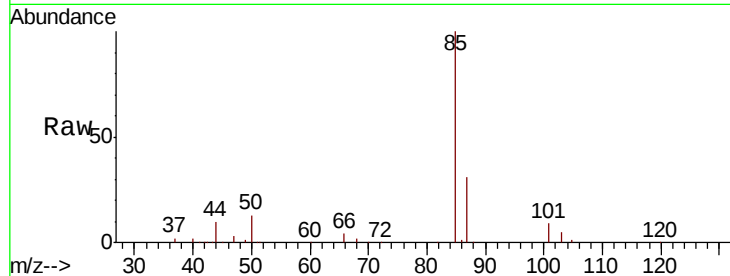
VSTD02513

Tot Ion: 85 Resp: 98193

Ion Ratio Lower Upper

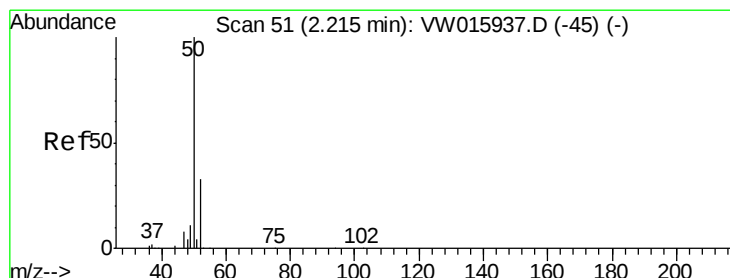
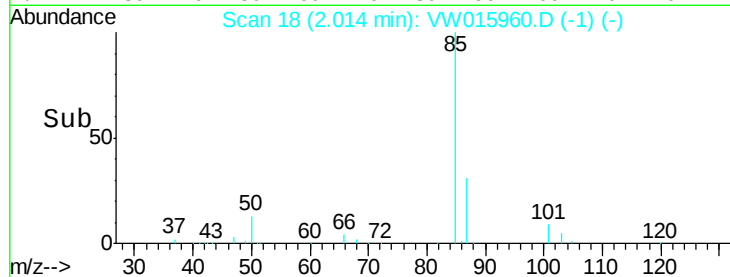
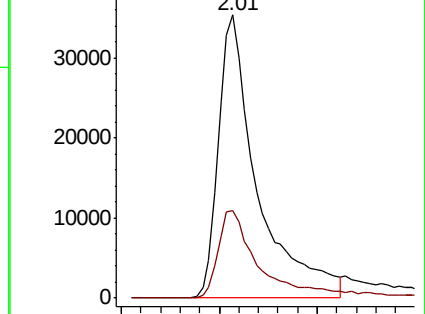
85 100

87 29.5 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.159 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015960.D

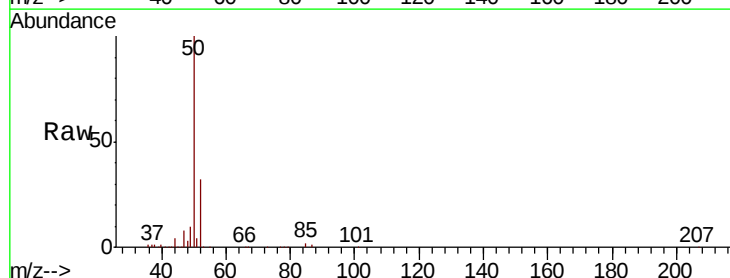
Acq: 27 Jul 2020 09:25

Tgt Ion: 50 Resp: 118218

Ion Ratio Lower Upper

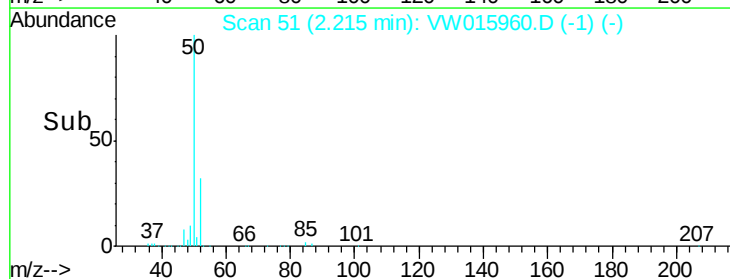
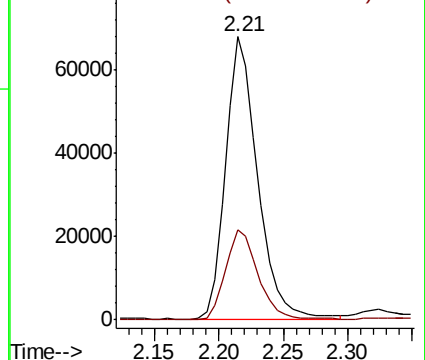
50 100

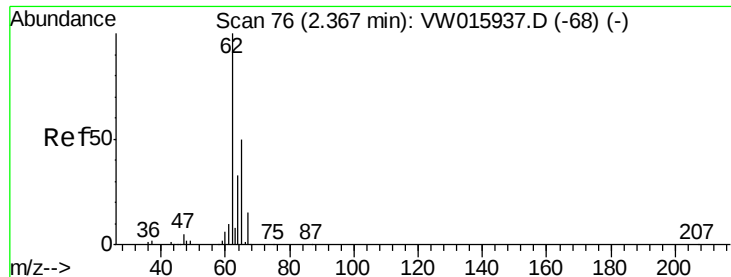
52 31.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.249 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

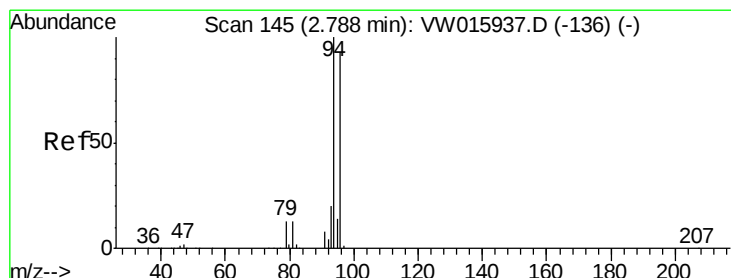
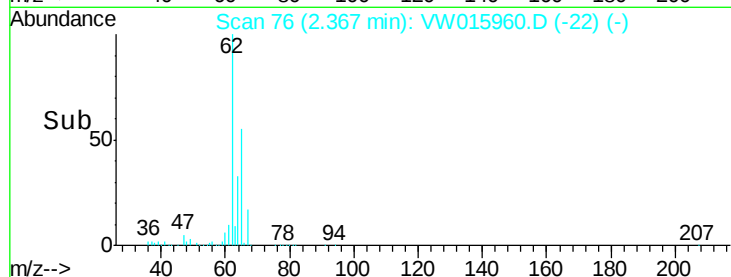
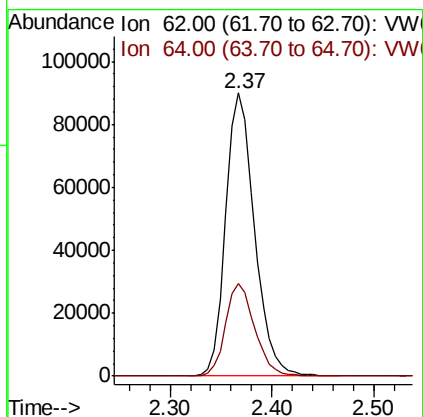
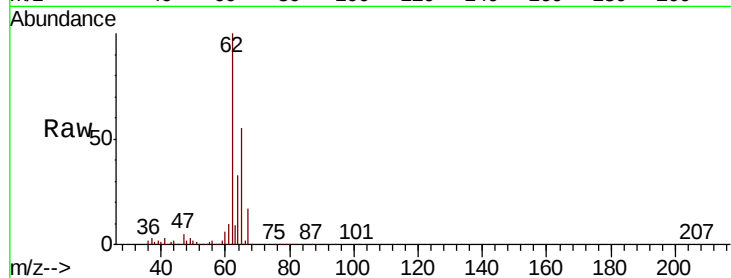
VSTD02513

Tot Ion: 62 Resp: 175985

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 24.301 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015960.D

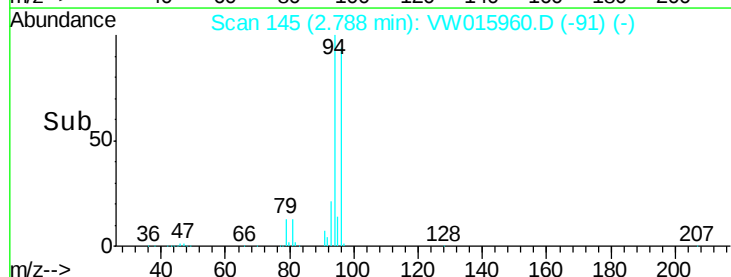
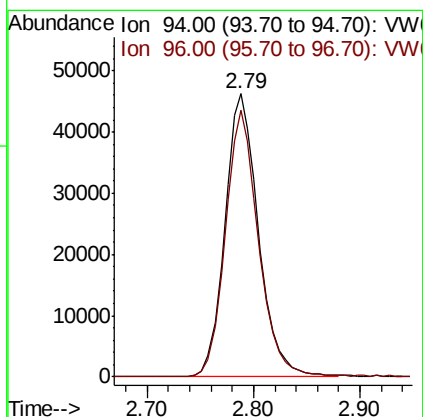
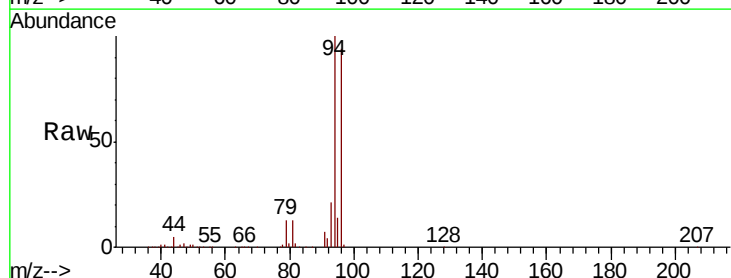
Acq: 27 Jul 2020 09:25

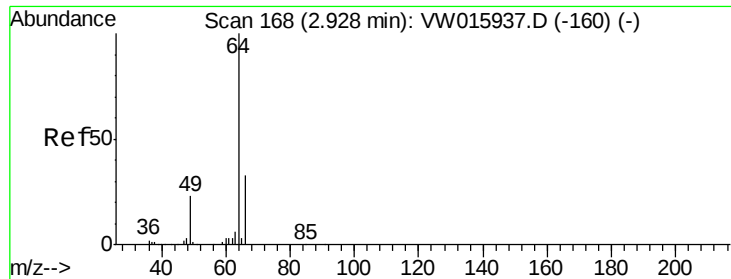
Tgt Ion: 94 Resp: 101051

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.1





#8

Chloroethane

Concen: 25.761 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

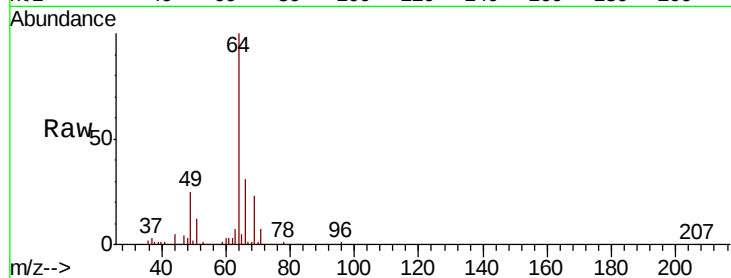
VSTD02513

Tot Ion: 64 Resp: 105187

Ion Ratio Lower Upper

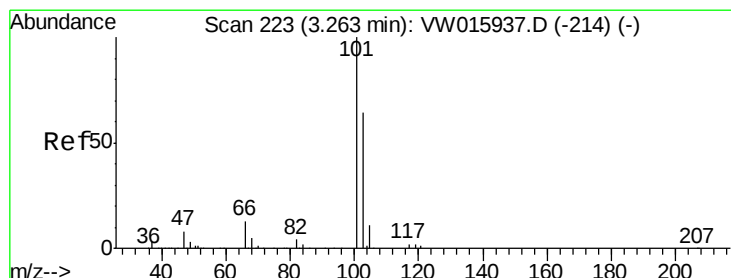
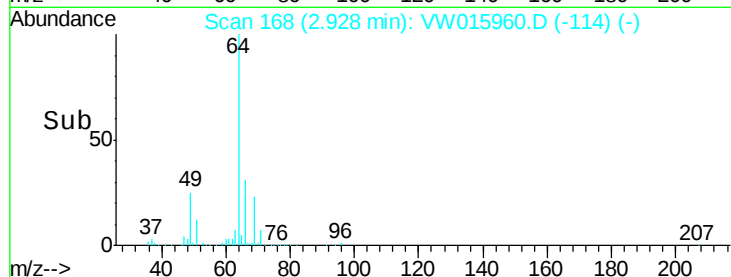
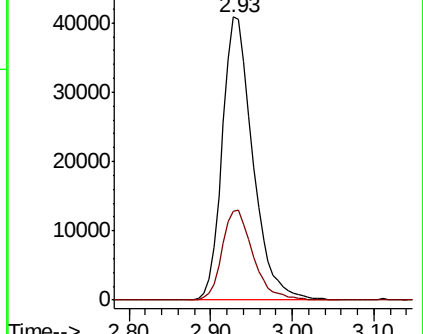
64 100

66 31.5 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 28.998 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015960.D

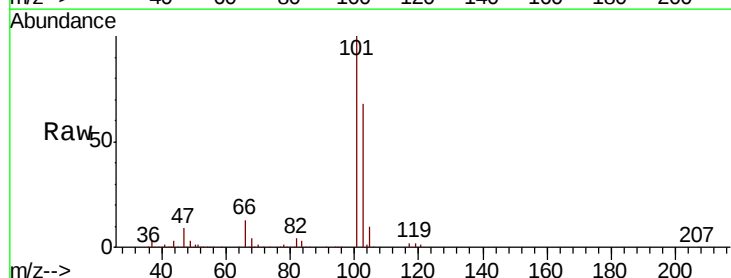
Acq: 27 Jul 2020 09:25

Tgt Ion: 101 Resp: 135860

Ion Ratio Lower Upper

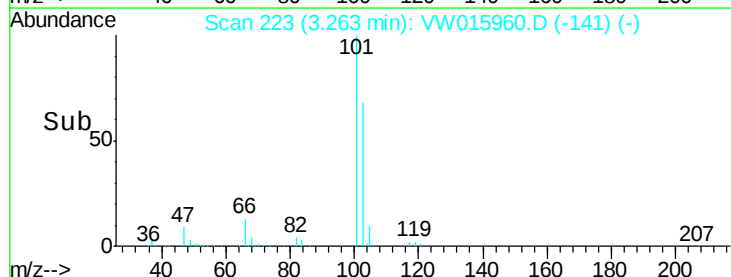
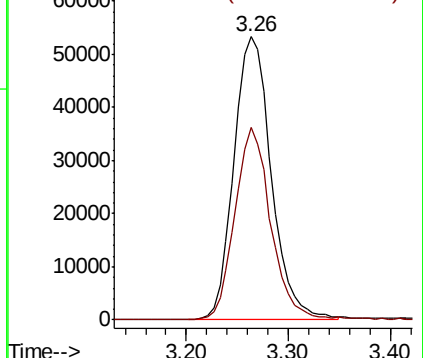
101 100

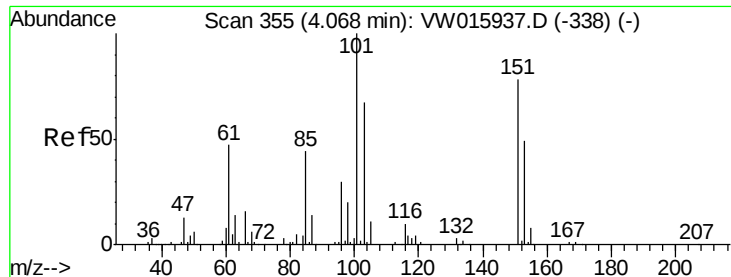
103 65.0 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 26.886 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

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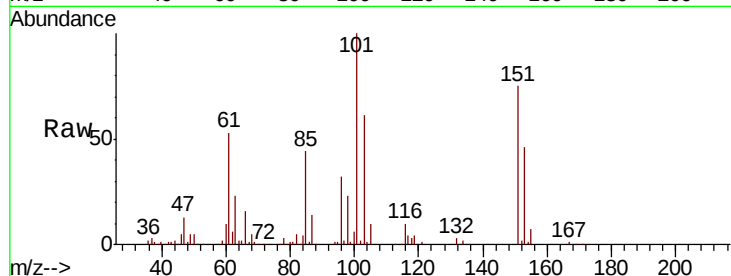
Tot Ion:101 Resp: 153977

Ion Ratio Lower Upper

101 100

85 42.0 35.5 53.3

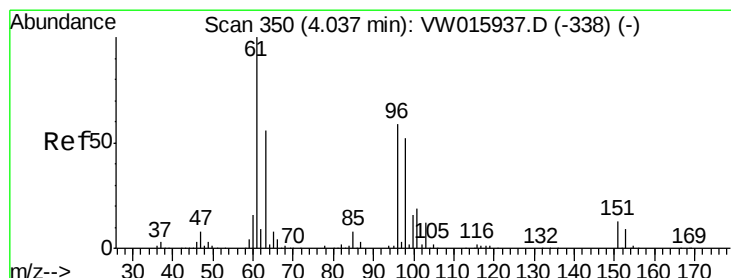
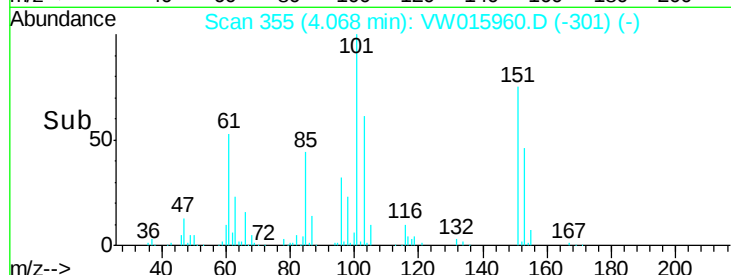
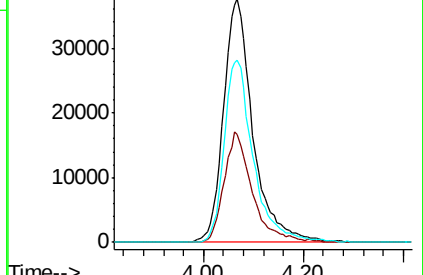
151 72.7 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.162 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

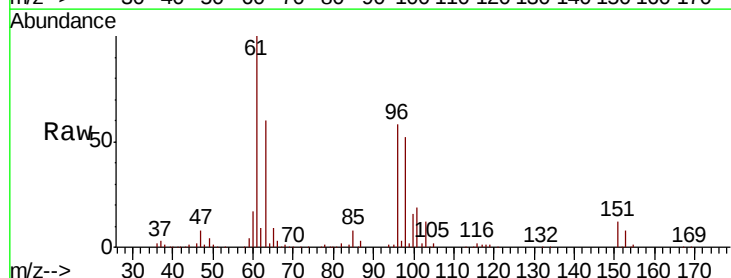
Tgt Ion: 96 Resp: 148505

Ion Ratio Lower Upper

96 100

61 171.7 125.0 232.2

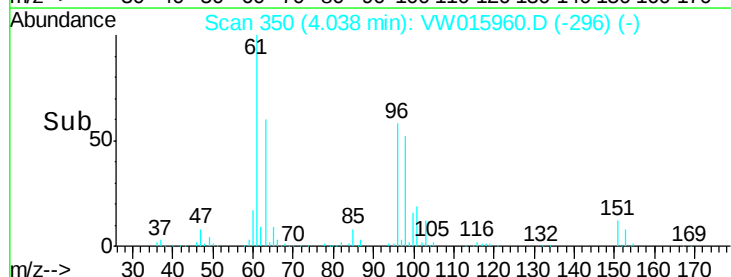
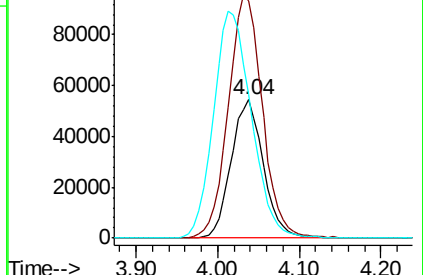
63 103.5 82.3 152.8

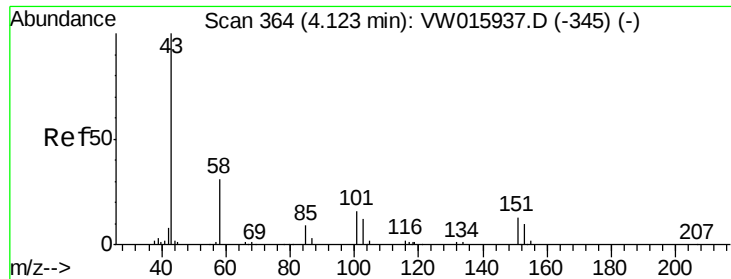


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 60.284 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

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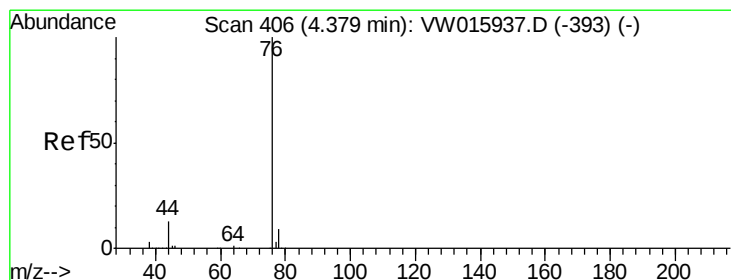
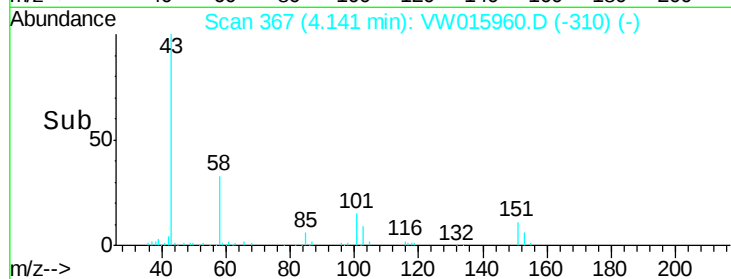
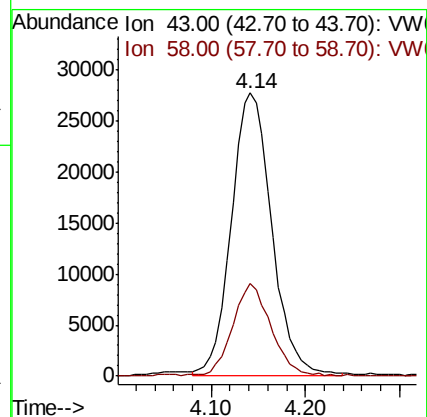
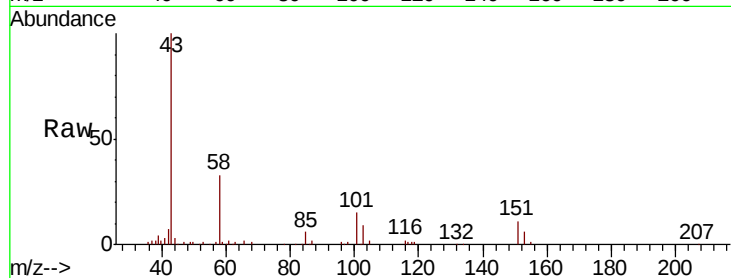
VSTD02513

Tot Ion: 43 Resp: 82861

Ion Ratio Lower Upper

43 100

58 30.8 0.0 58.2



#14

Carbon disulfide

Concen: 25.436 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015960.D

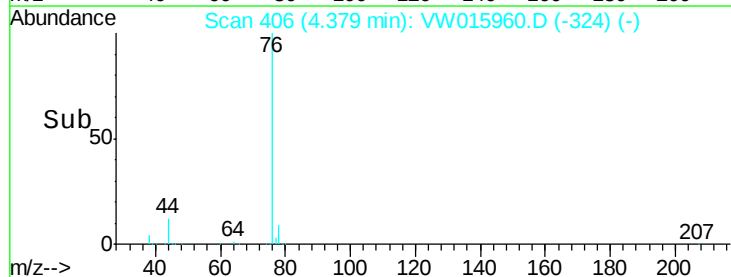
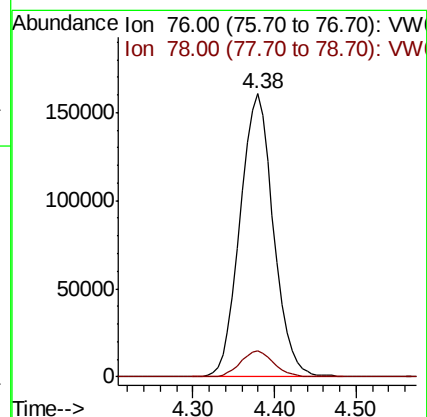
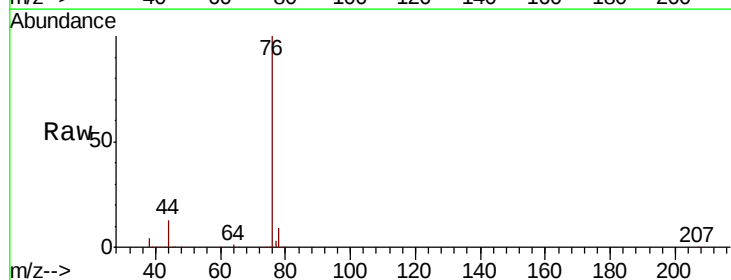
Acq: 27 Jul 2020 09:25

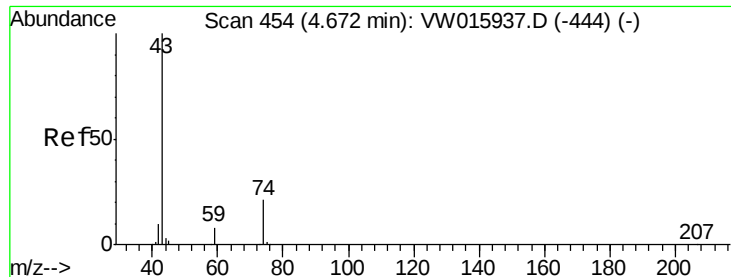
Tgt Ion: 76 Resp: 455986

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 28.961 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

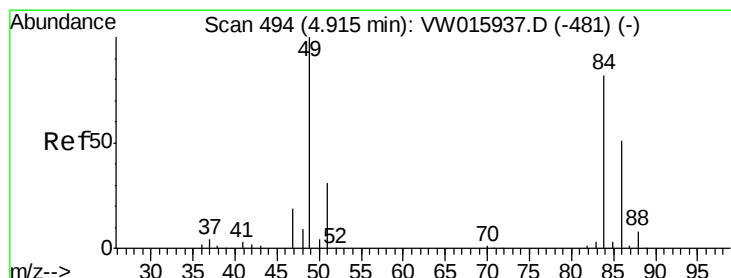
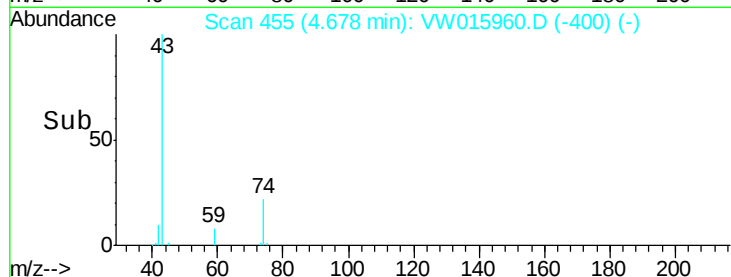
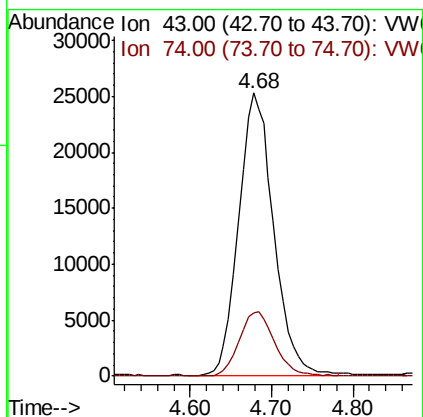
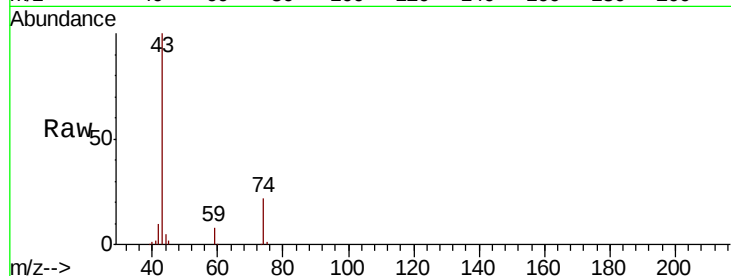
VSTD02513

Tot Ion: 43 Resp: 75057

Ion Ratio Lower Upper

43 100

74 23.1 18.2 27.2



#16

Methylene chloride

Concen: 23.811 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

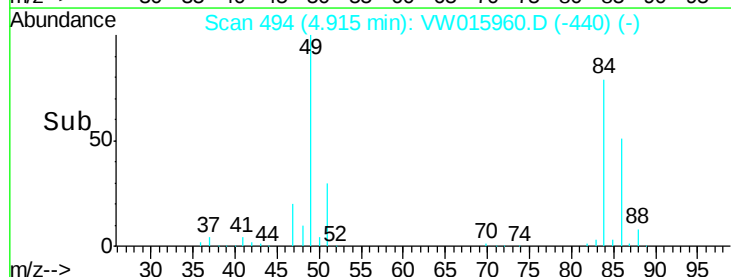
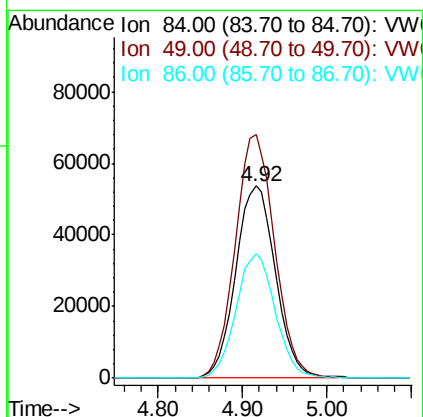
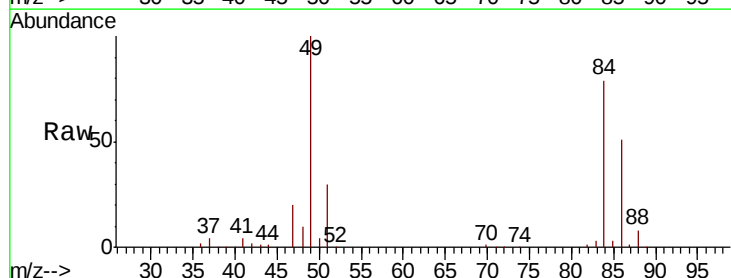
Tgt Ion: 84 Resp: 172292

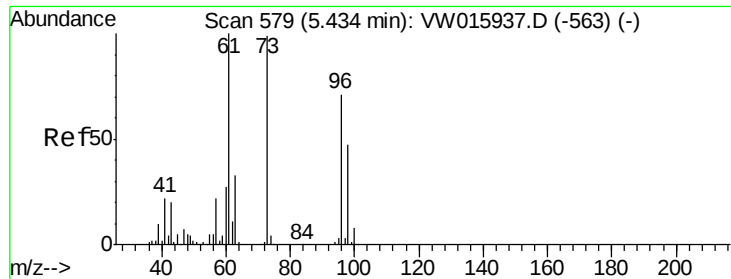
Ion Ratio Lower Upper

84 100

49 126.9 91.1 169.1

86 64.9 46.0 85.4

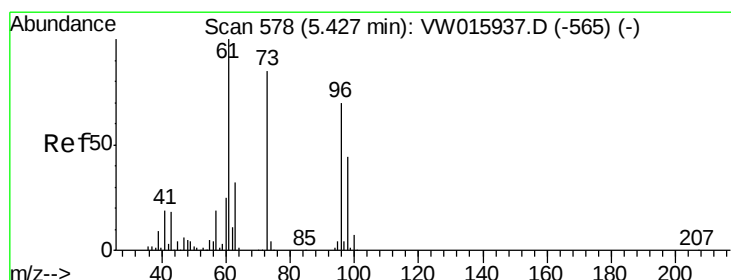
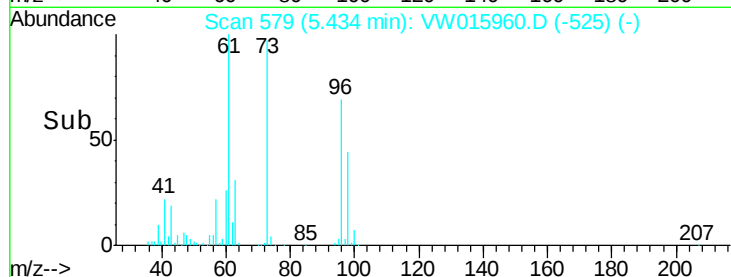
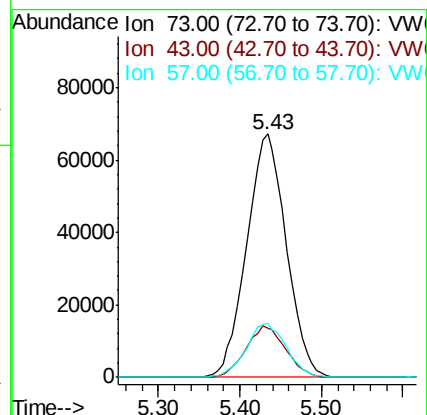
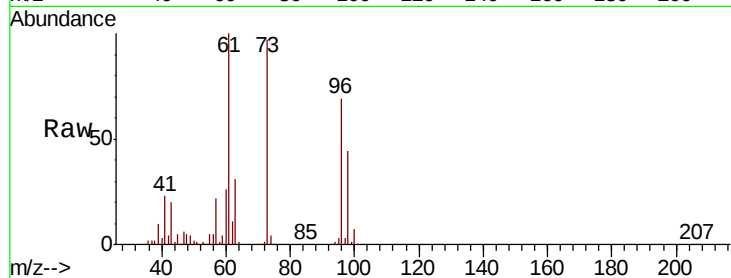




#17
Methvl tert-butvl Ether
Concen: 28.319 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

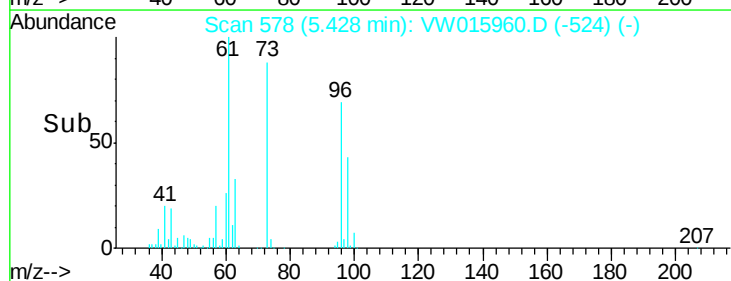
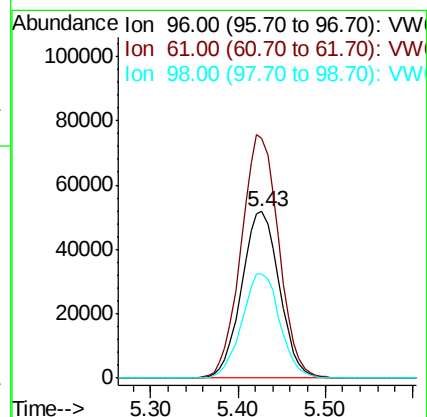
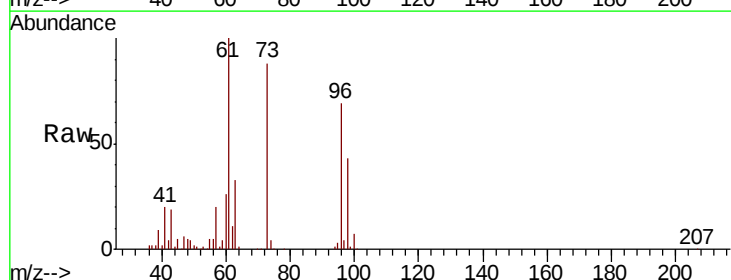
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

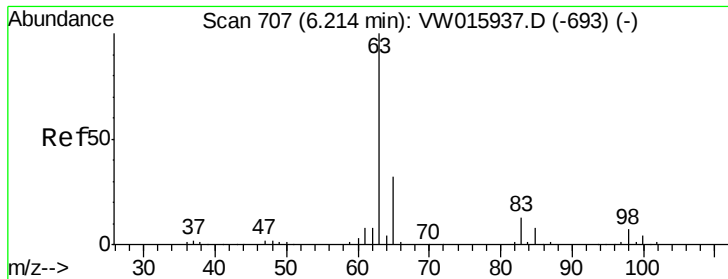
Tot Ion: 73 Resp: 227317
Ion Ratio Lower Upper
73 100
43 21.1 18.4 27.6
57 22.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.016 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

Tgt Ion: 96 Resp: 155944
Ion Ratio Lower Upper
96 100
61 144.2 99.3 184.5
98 62.5 42.9 79.7

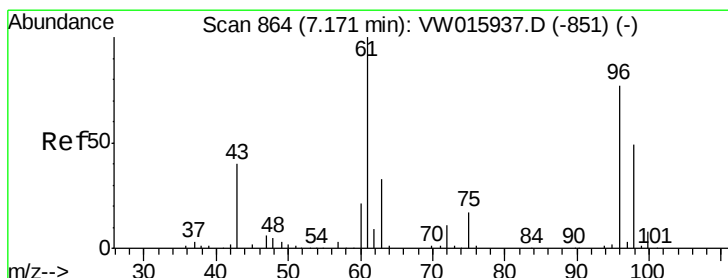
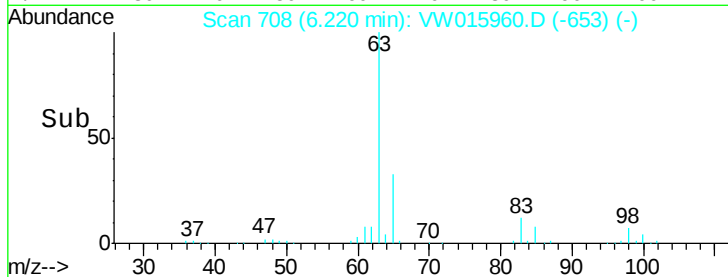
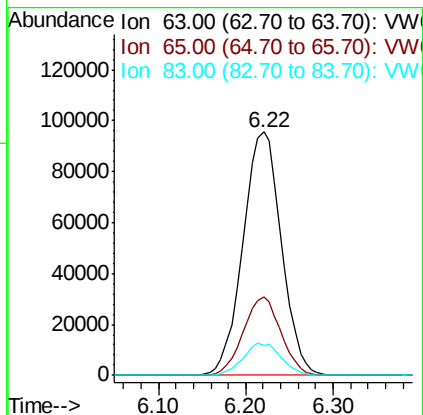
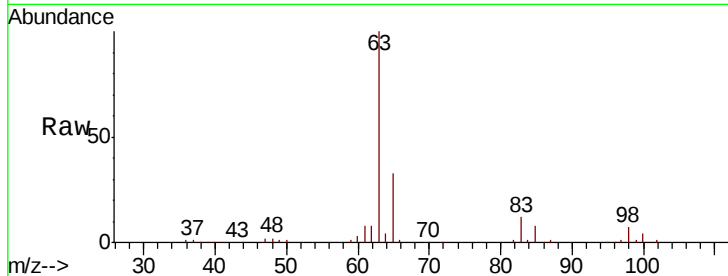




#19
 1,1-Dichloroethane
 Concen: 26.359 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

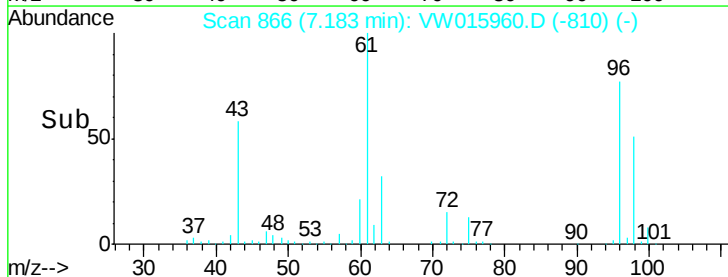
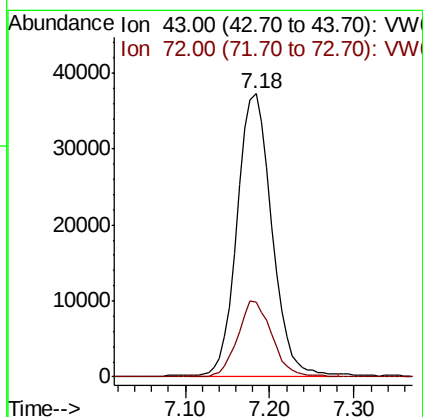
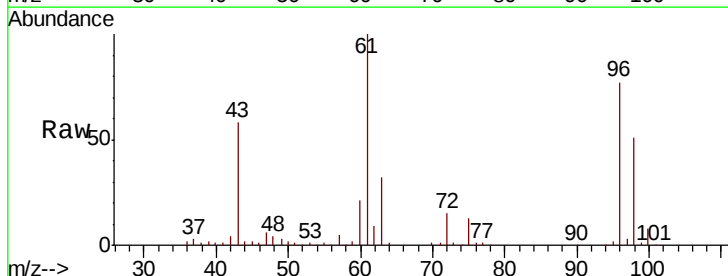
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

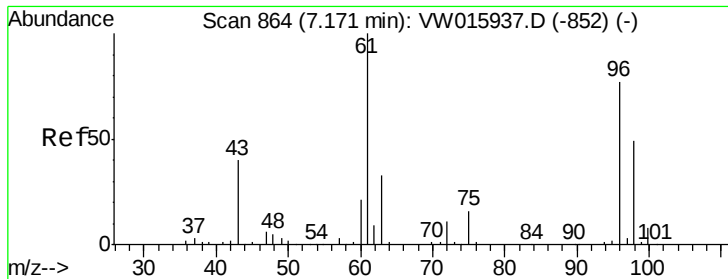
Tot Ion: 63 Resp: 291167
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.2 41.2
 83 12.3 9.8 18.2



#21
 2-Butanone
 Concen: 61.342 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion: 43 Resp: 104263
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.9 41.7



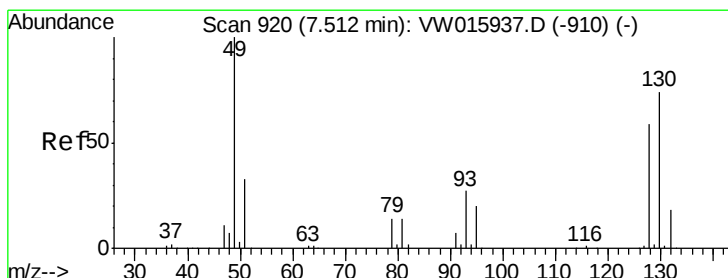
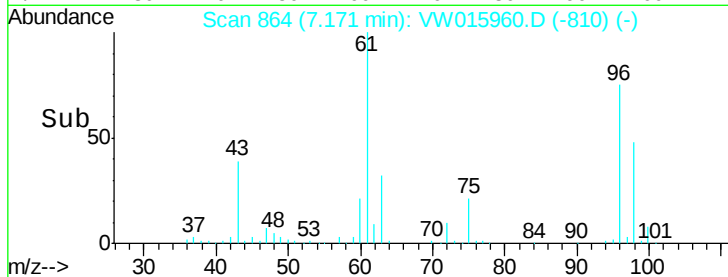
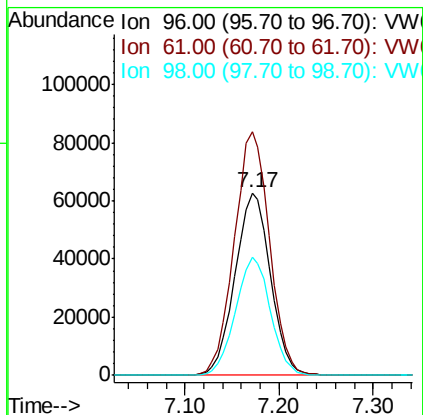
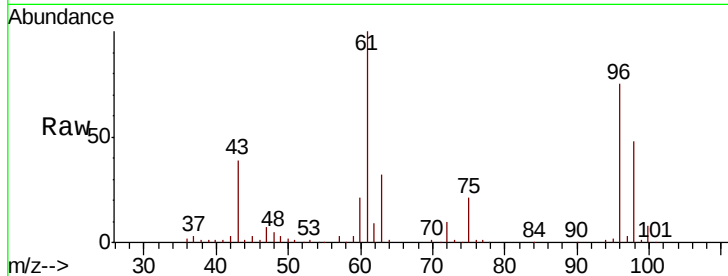


#22

cis-1,2-Dichloroethene
 Concen: 26.301 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

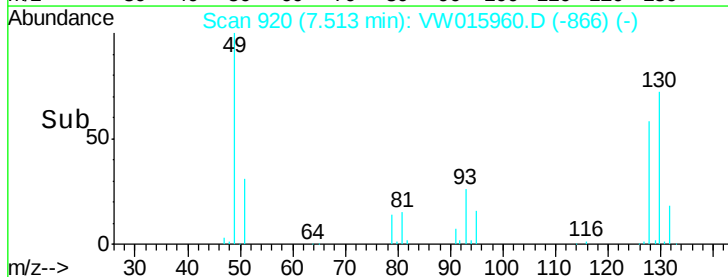
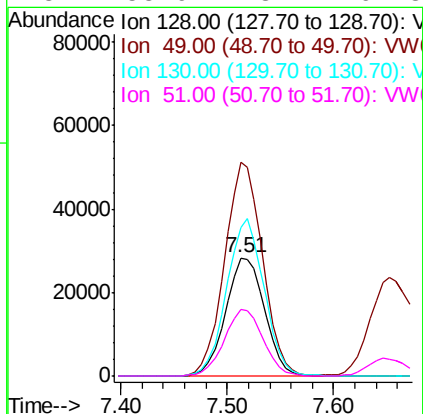
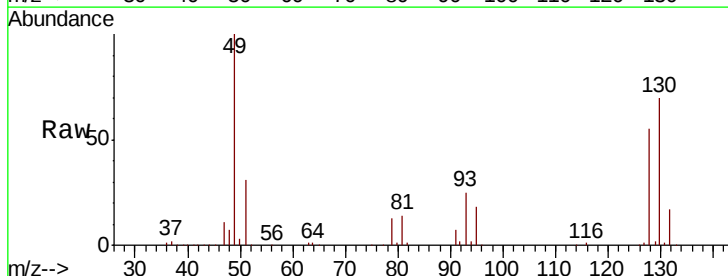
Tot Ion: 96 Resp: 164942
 Ion Ratio Lower Upper
 96 100
 61 133.4 94.6 175.8
 98 64.6 44.3 82.3

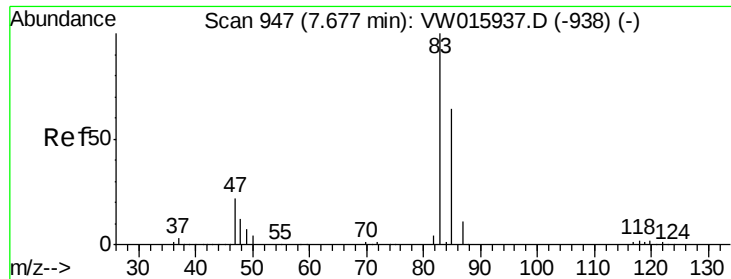


#23

Bromochloromethane
 Concen: 26.377 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion: 128 Resp: 72537
 Ion Ratio Lower Upper
 128 100
 49 180.4 122.4 227.2
 130 125.6 93.9 174.5
 51 55.9 43.2 64.8

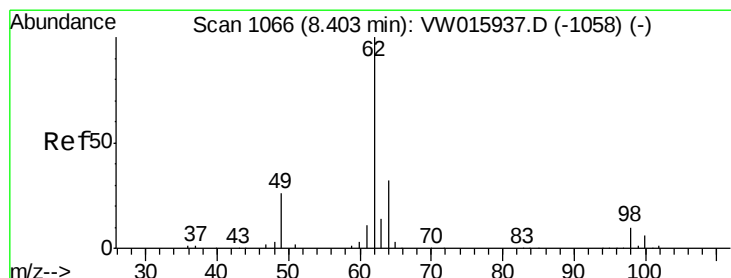
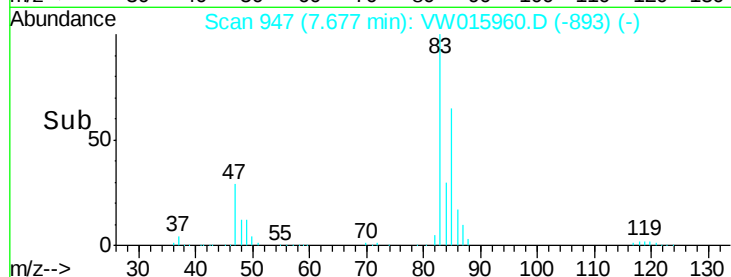
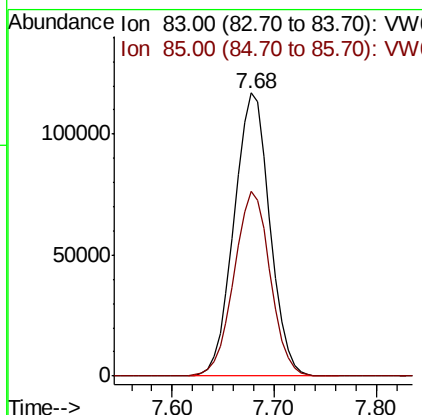
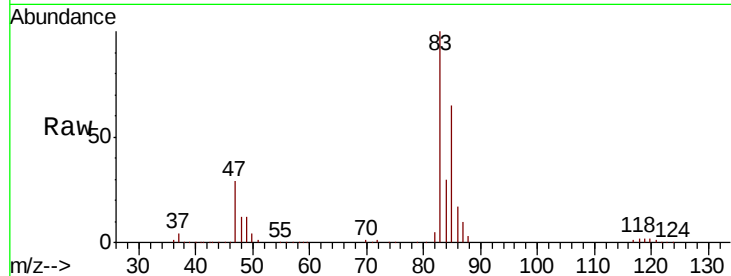




#25
Chloroform
Concen: 25.998 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

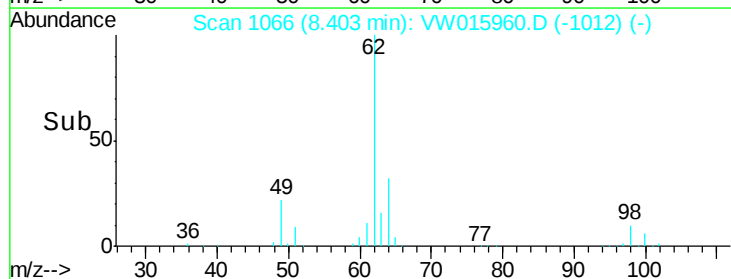
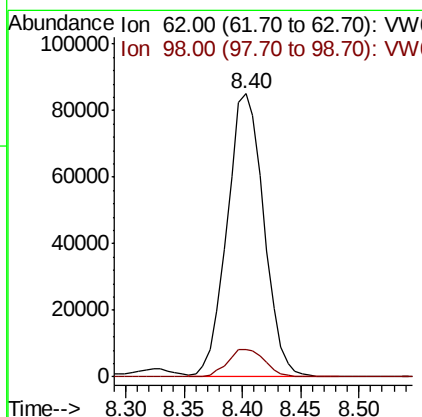
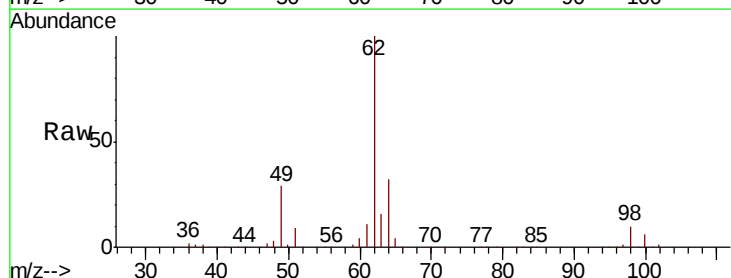
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

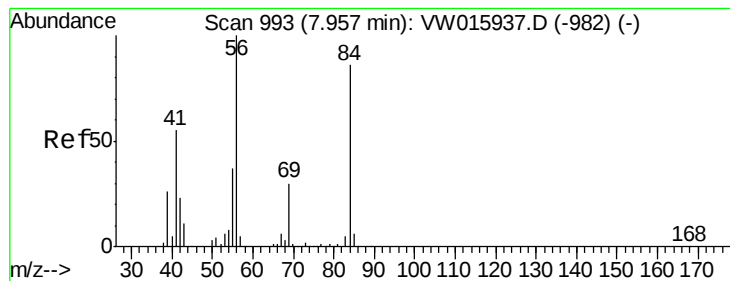
Tot Ion: 83 Resp: 284613
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 25.040 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

Tgt Ion: 62 Resp: 186531
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.6





#30

Cyclohexane

Concen: 26.579 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

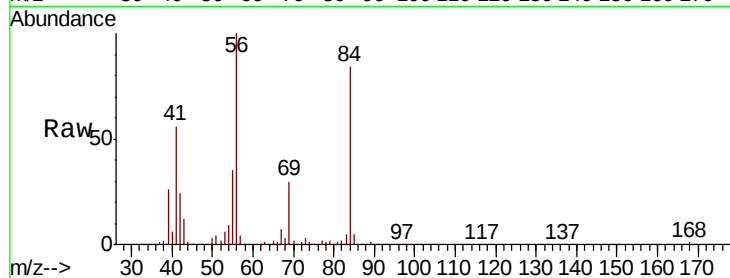
Tot Ion: 56 Resp: 267199

Ion Ratio Lower Upper

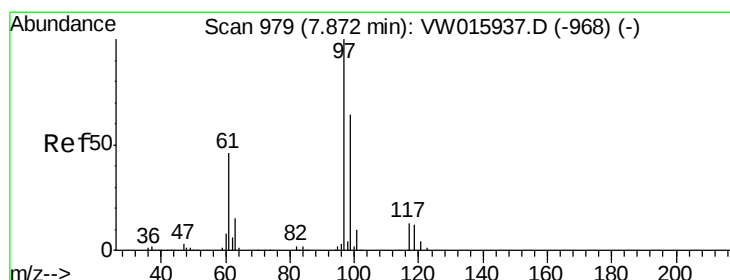
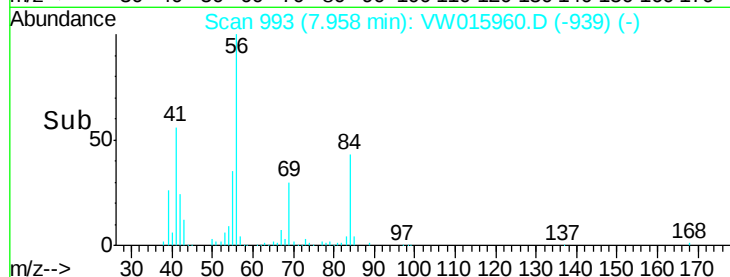
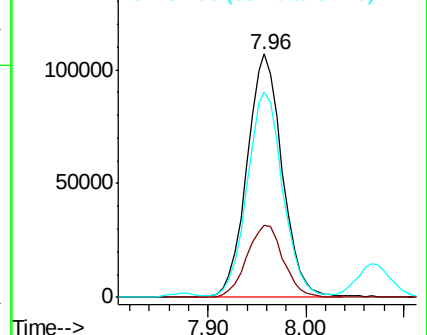
56 100

69 30.6 24.4 36.6

84 85.2 69.3 103.9



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



#31

1,1,1-Trichloroethane

Concen: 26.039 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

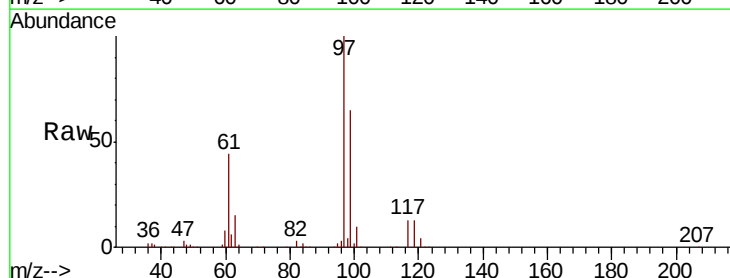
Tgt Ion: 97 Resp: 242416

Ion Ratio Lower Upper

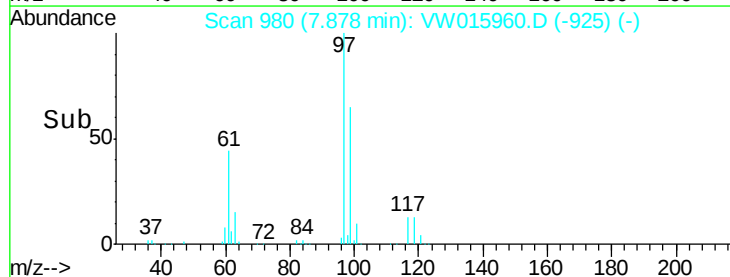
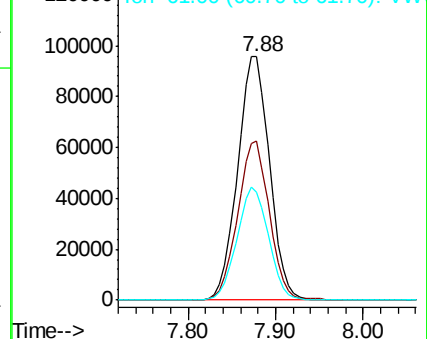
97 100

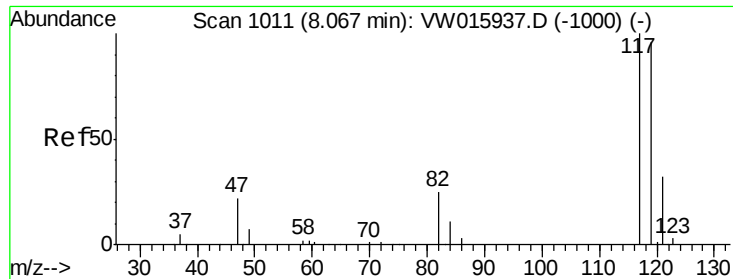
99 64.9 51.9 77.9

61 46.0 37.6 56.4



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: 25.759 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

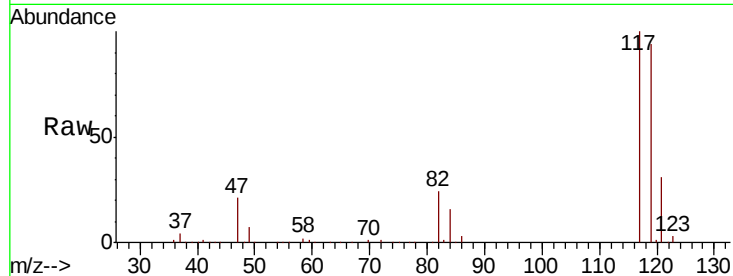
VSTD02513

Tot Ion:117 Resp: 217455

Ion Ratio Lower Upper

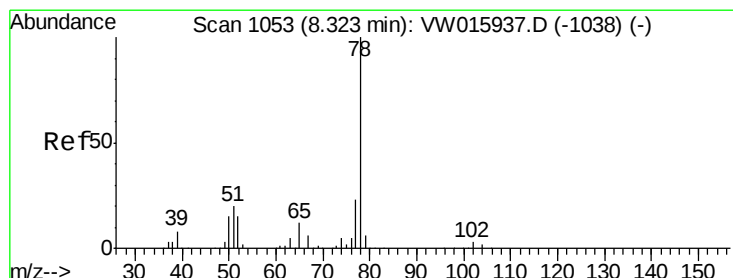
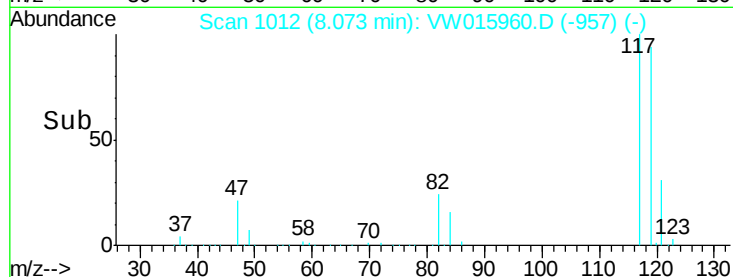
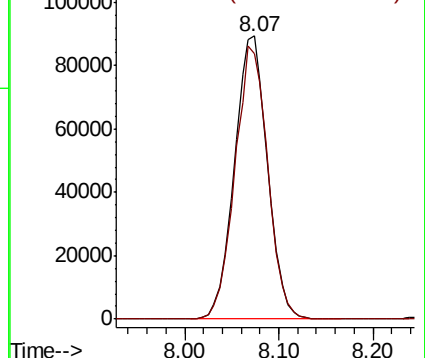
117 100

119 95.9 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.663 ug/L

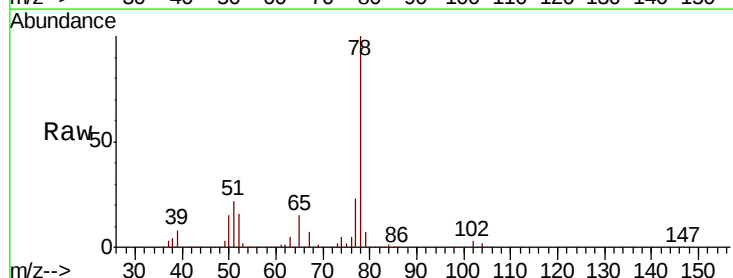
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

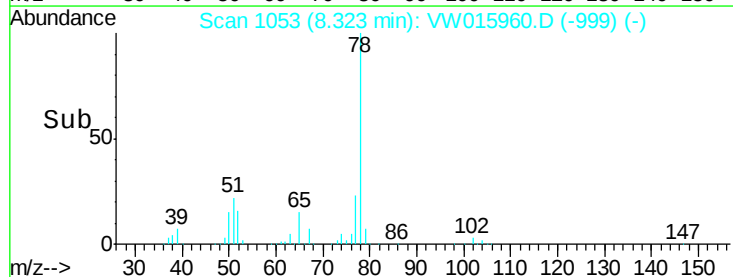
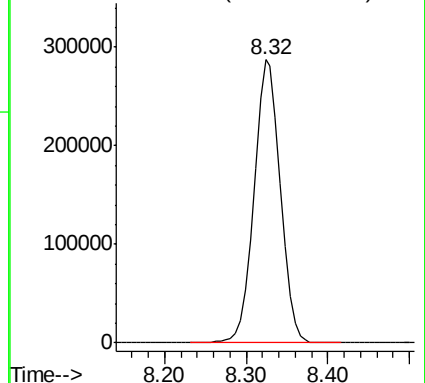
Lab File: VW015960.D

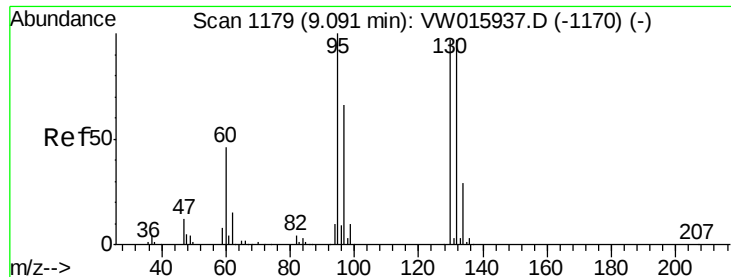
Acq: 27 Jul 2020 09:25

Tgt Ion: 78 Resp: 645653



Abundance Ion 78.00 (77.70 to 78.70): VW

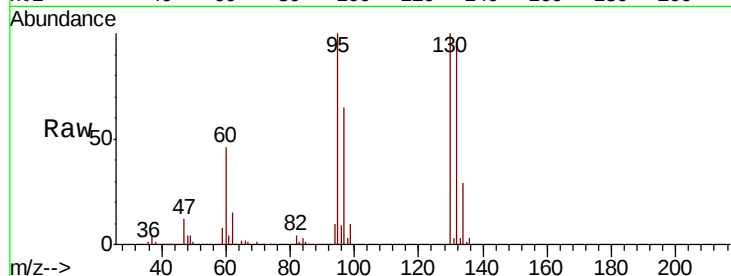




#35
 Trichloroethene
 Concen: 25.569 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

Tot Ion:	95	Resp:	163788
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.4	82.4
132	94.0	65.1	120.9
130	98.6	68.6	127.4



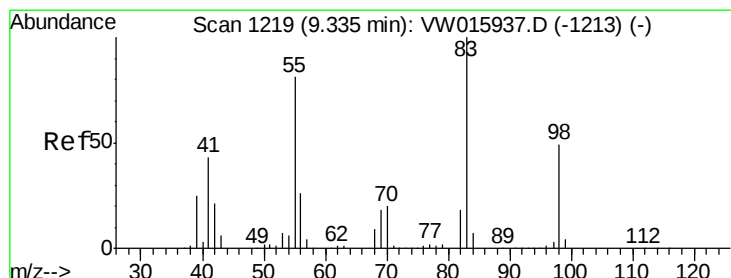
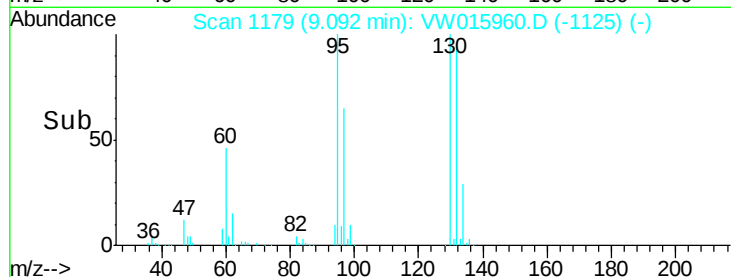
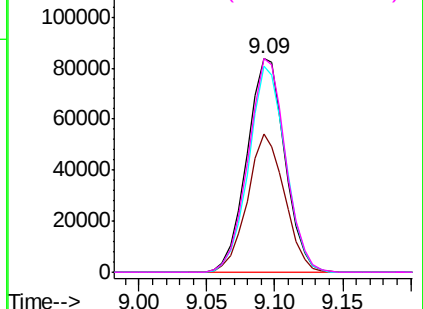
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

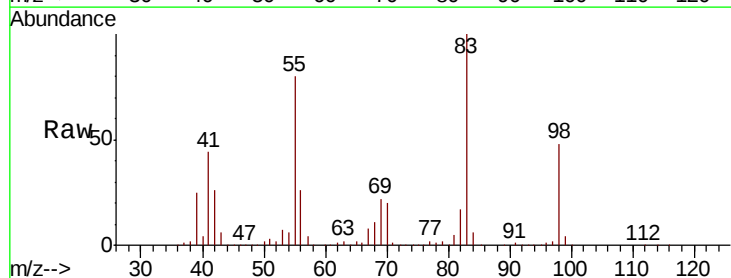
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 26.268 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion:	83	Resp:	288730
Ion	Ratio	Lower	Upper
83	100		
55	79.5	63.5	95.3
98	48.6	39.0	58.4

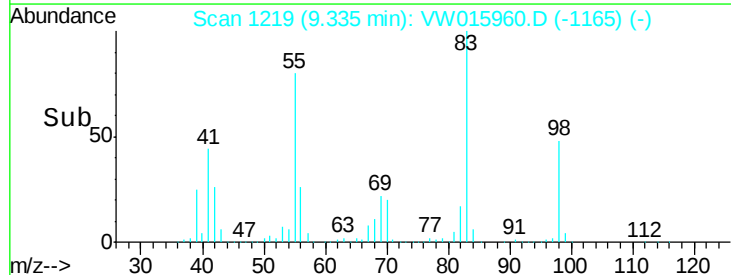
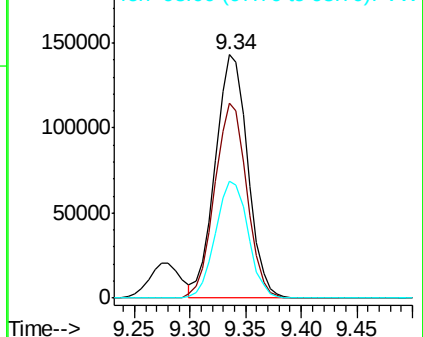


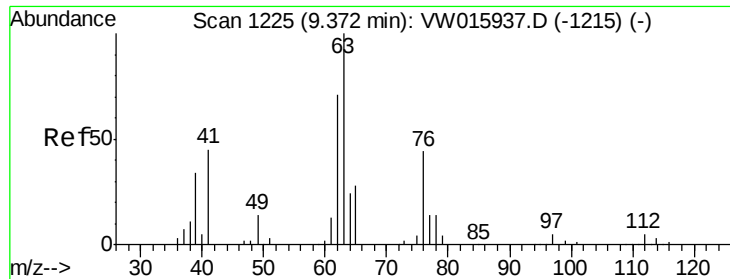
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

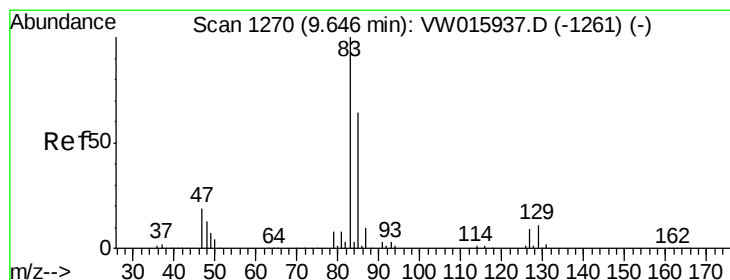
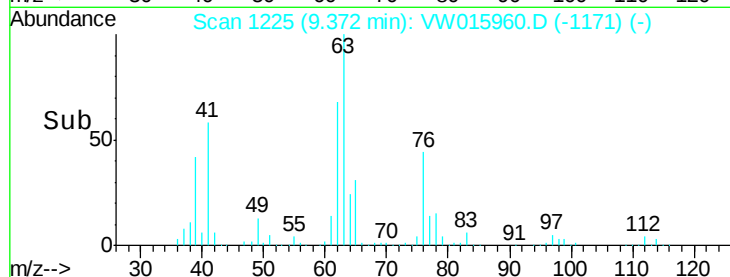
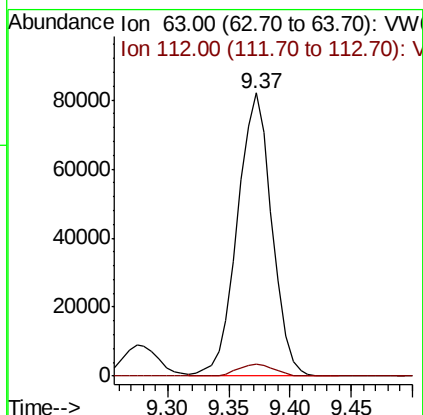
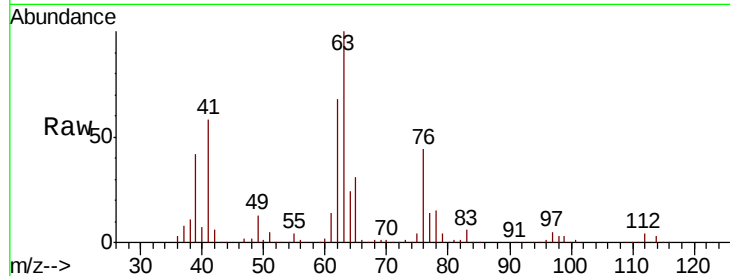




#40
 1,2-Dichloropropane
 Concen: 26.679 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

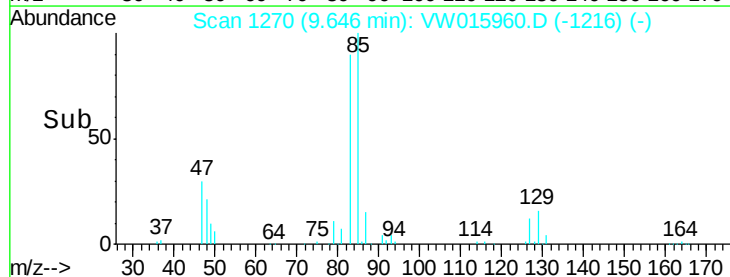
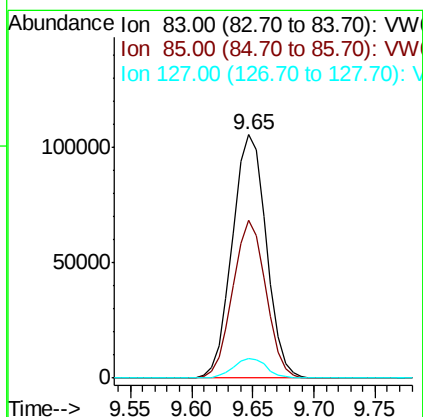
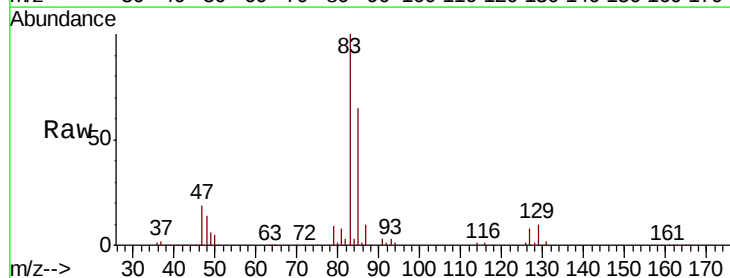
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

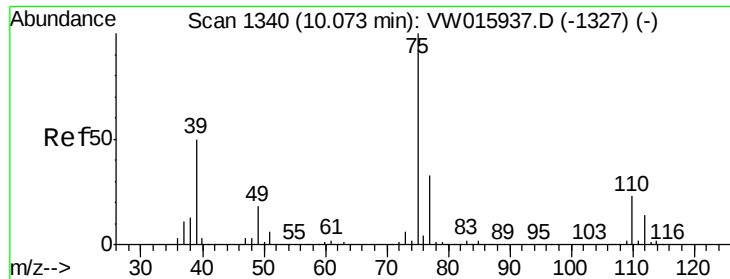
Tot Ion: 63 Resp: 160046
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.228 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion: 83 Resp: 203193
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.7 81.1
 127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 27.014 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampled :

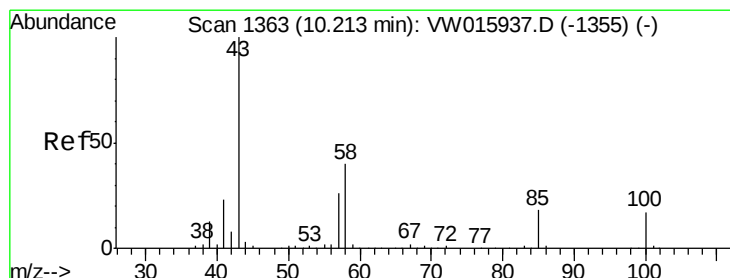
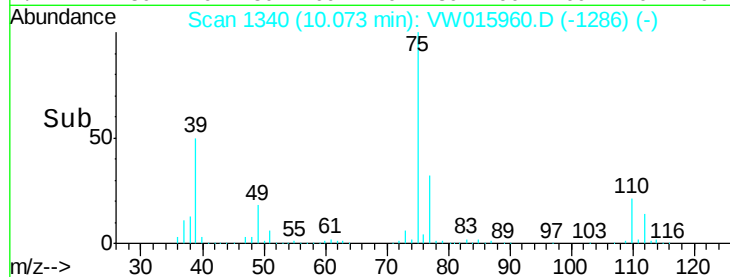
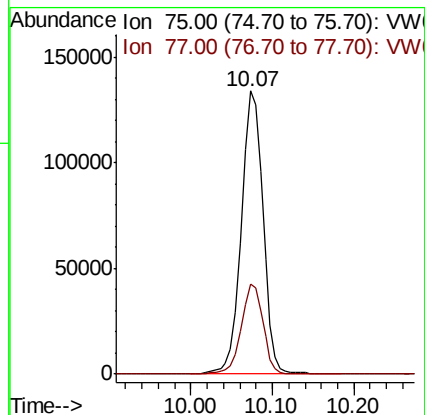
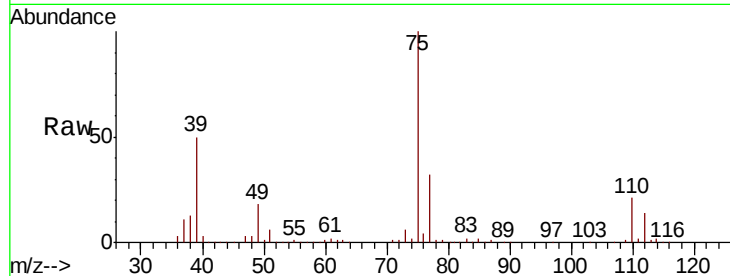
VSTD02513

Tot Ion: 75 Resp: 246806

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 57.755 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

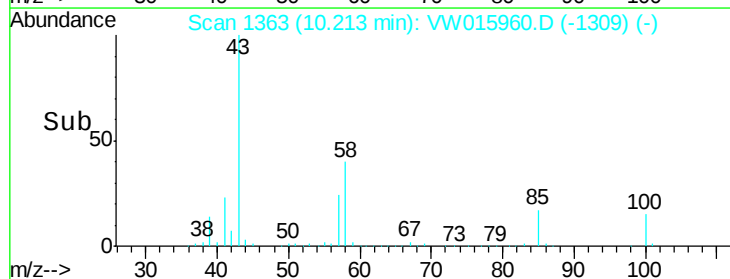
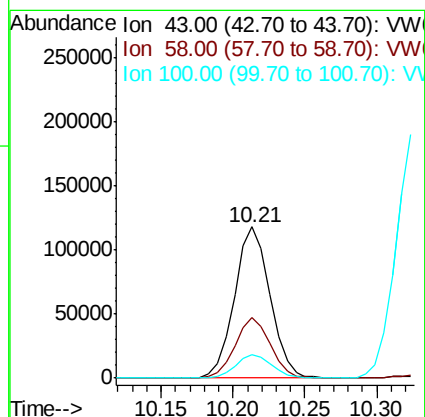
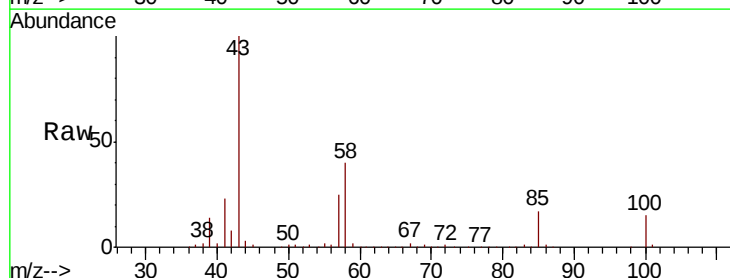
Tgt Ion: 43 Resp: 202228

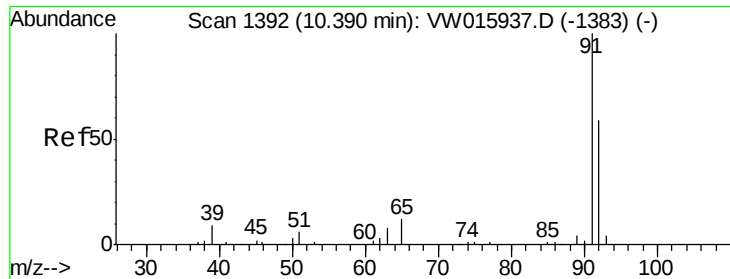
Ion Ratio Lower Upper

43 100

58 39.7 31.0 46.4

100 15.7 12.6 19.0





#44

Toluene

Concen: 26.439 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

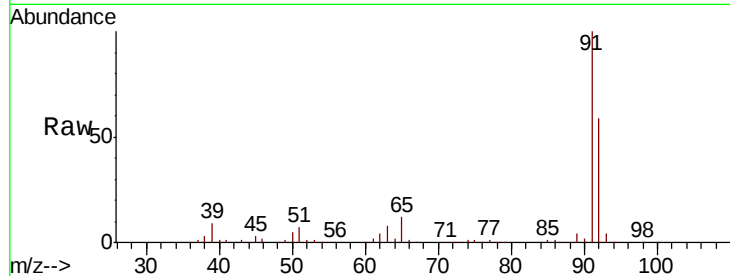
VSTD02513

Tot Ion: 91 Resp: 671479

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

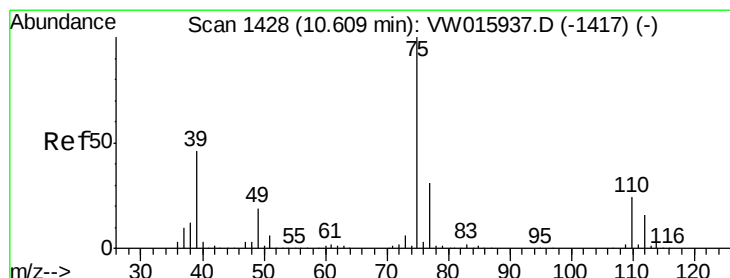
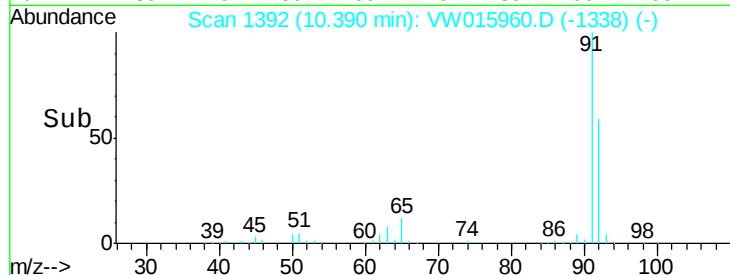
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.154 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015960.D

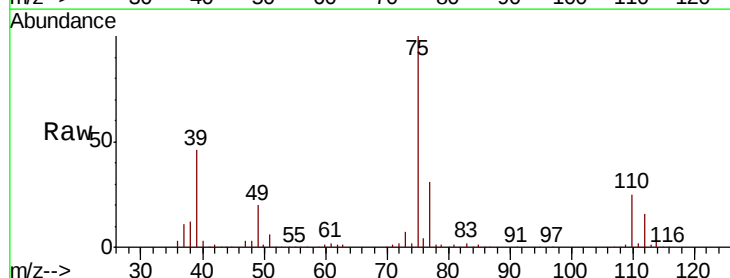
Acq: 27 Jul 2020 09:25

Tgt Ion: 75 Resp: 215037

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

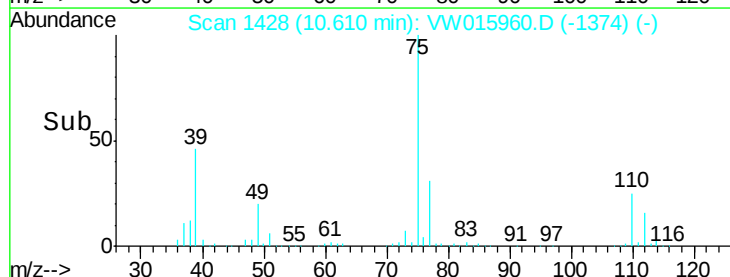
150000

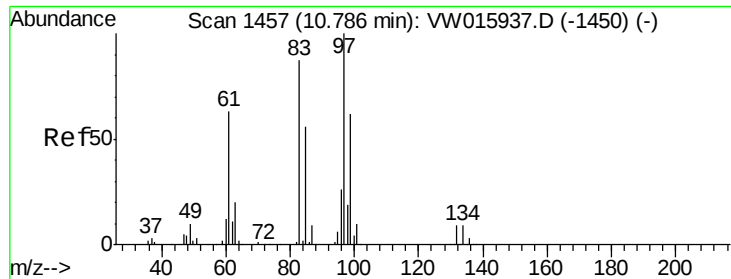
100000

50000

0

Time-->

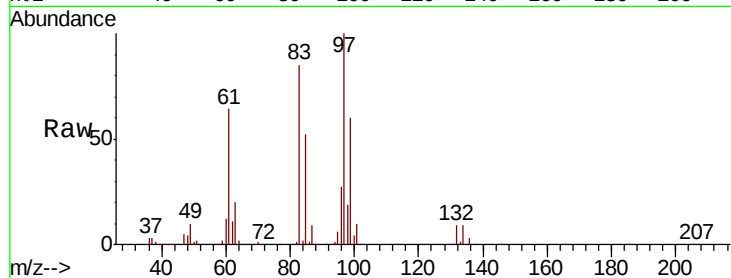




#46
 1,1,2-Trichloroethane
 Concen: 27.436 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion	97	Resp	118353
Ion	Ratio	Lower	Upper
97	100		
83	84.5	60.6	112.6
85	51.7	38.9	72.2
99	60.1	43.1	80.1



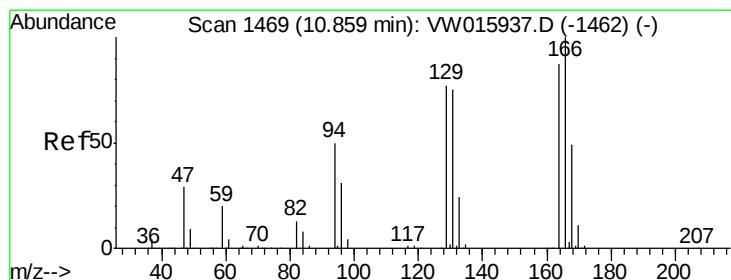
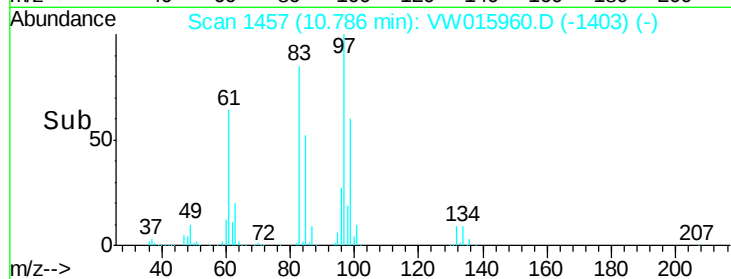
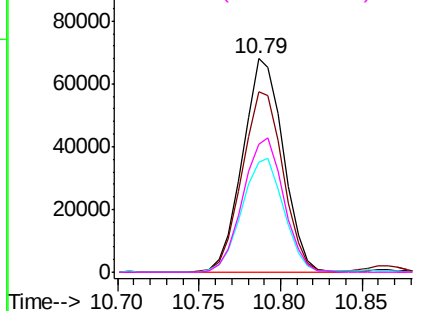
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 26.025 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion	164	Resp	129399
Ion	Ratio	Lower	Upper
164	100		
129	91.9	70.0	130.0
131	88.8	67.3	124.9
166	118.1	88.5	164.3

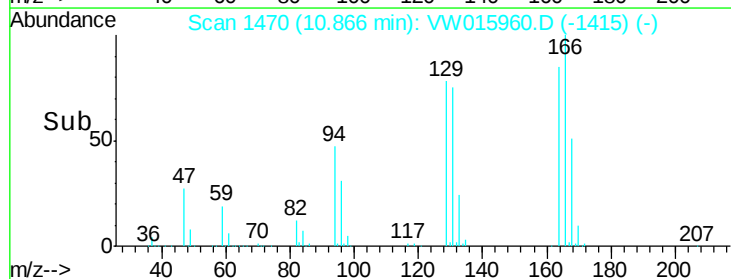
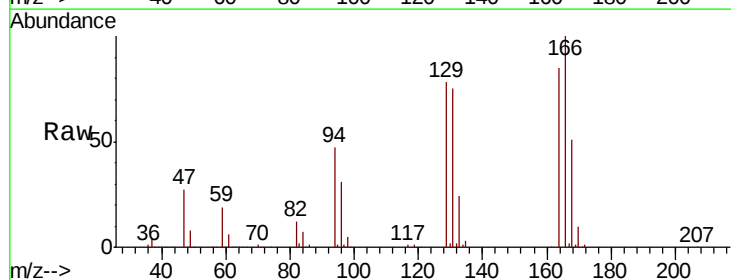
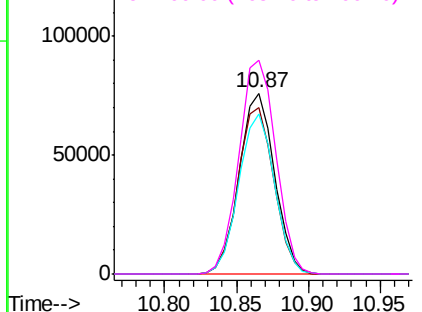
Abundance

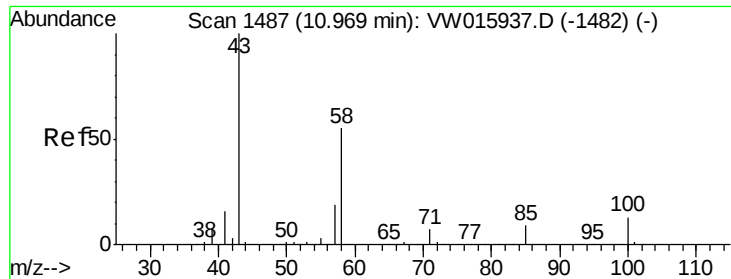
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

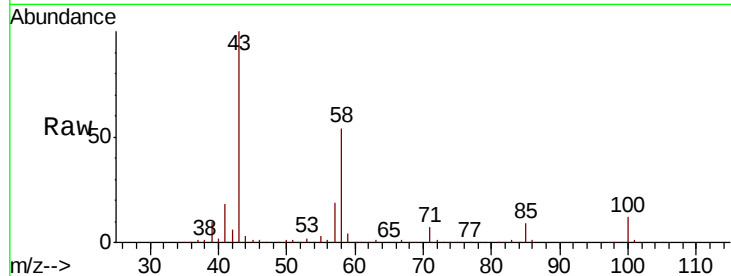




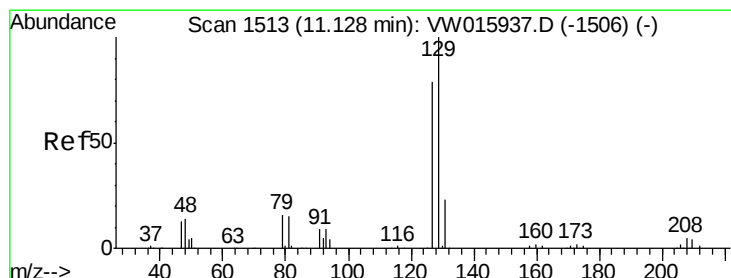
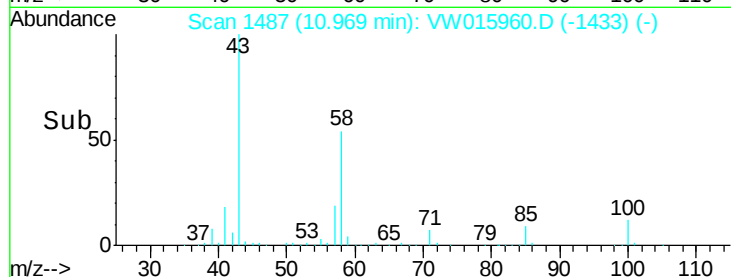
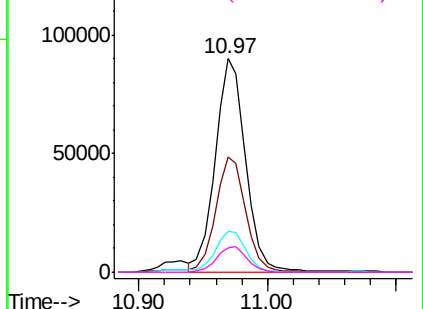
#49
2-Hexanone
Concen: 59.900 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Tot Ion: 43 Resp: 148839
Ion Ratio Lower Upper
43 100
58 53.3 42.4 63.6
57 19.4 15.6 23.4
100 12.2 9.8 14.6

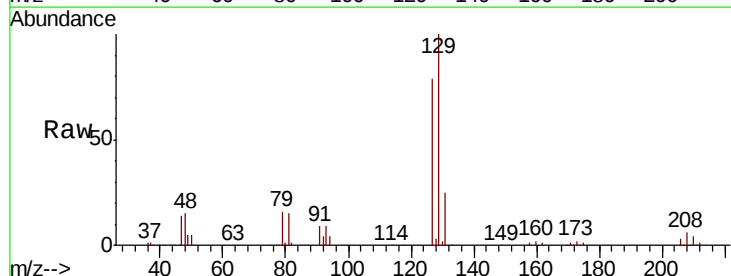


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

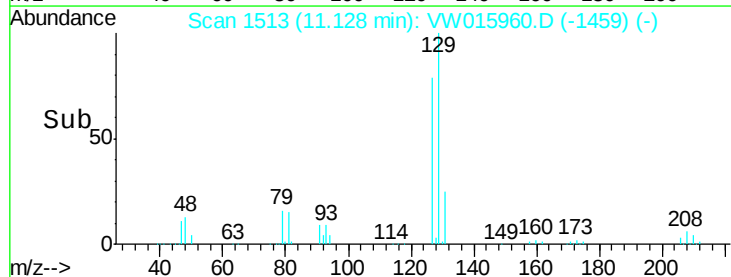
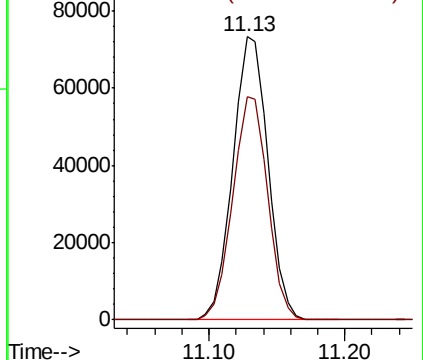


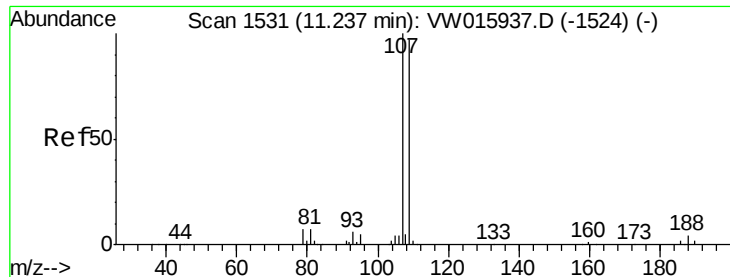
#50
Dibromochloromethane
Concen: 26.415 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

Tgt Ion: 129 Resp: 131927
Ion Ratio Lower Upper
129 100
127 78.8 53.8 100.0



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

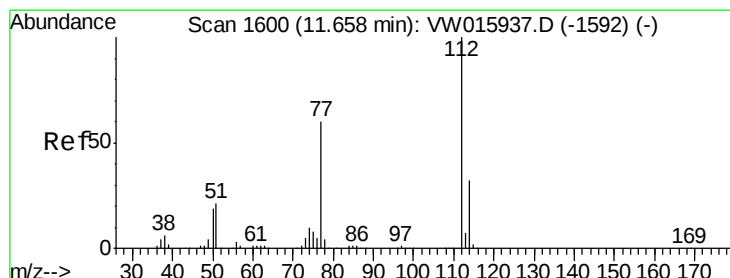
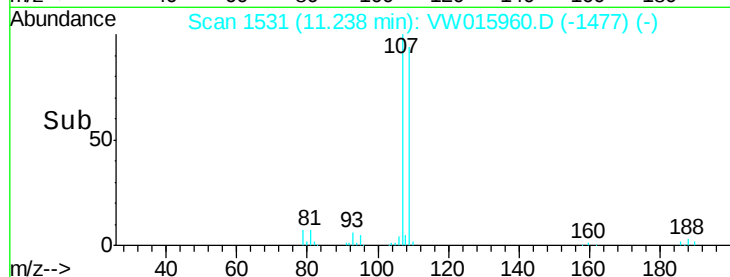
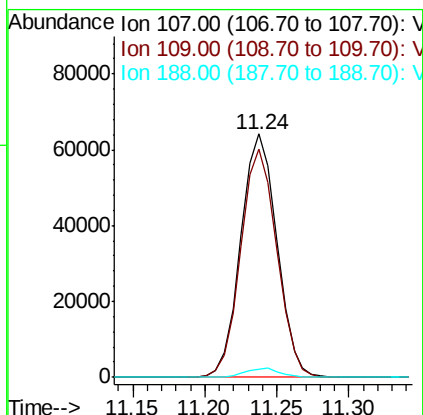
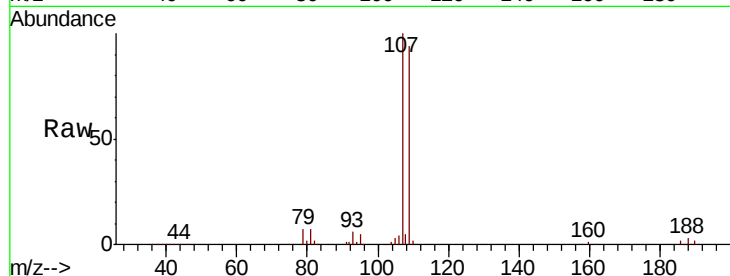




#51
1,2-Dibromoethane
Concen: 27.050 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

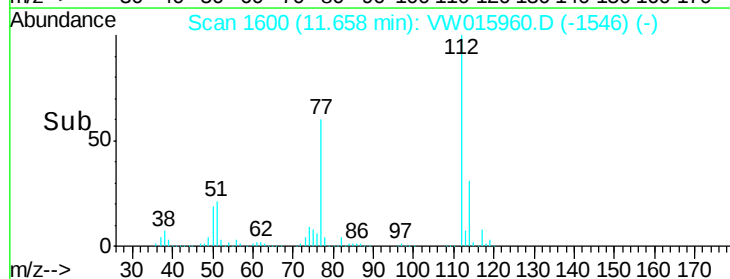
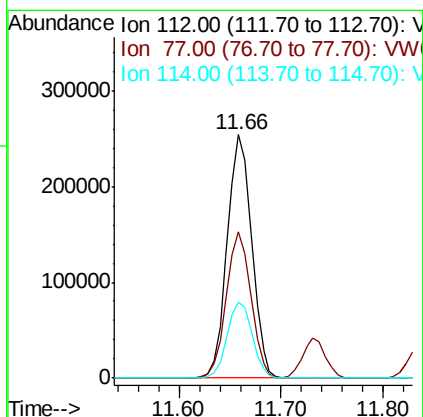
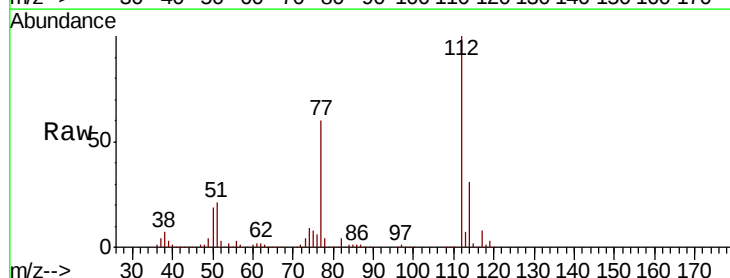
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

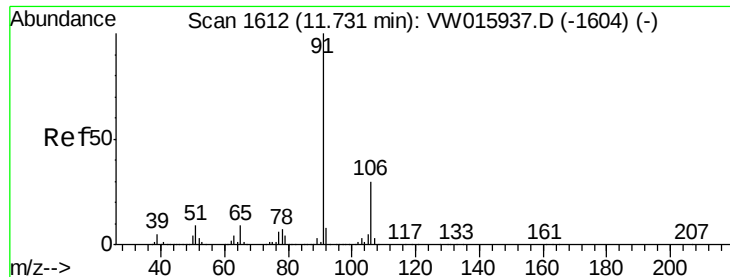
Tot Ion:107 Resp: 111628
Ion Ratio Lower Upper
107 100
109 93.6 66.9 124.3
188 3.1 3.2 4.8#



#52
Chlorobenzene
Concen: 25.952 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

Tgt Ion:112 Resp: 422349
Ion Ratio Lower Upper
112 100
77 60.0 47.8 71.6
114 31.2 22.1 41.1





#53

Ethylbenzene

Concen: 26.428 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

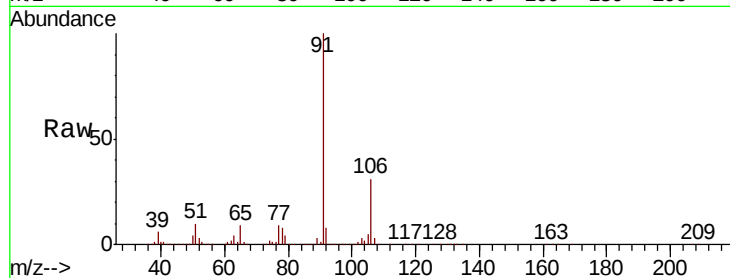
VSTD02513

Tot Ion: 91 Resp: 754764

Ion Ratio Lower Upper

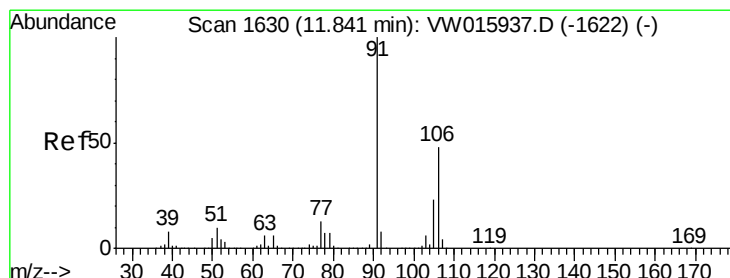
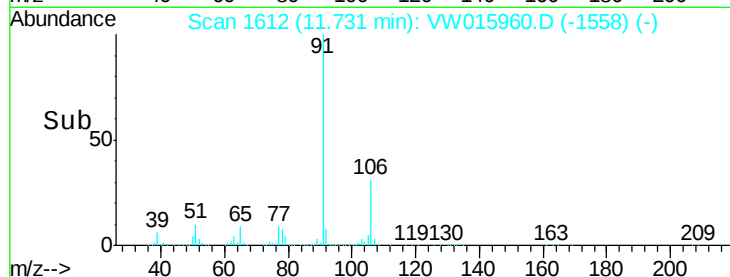
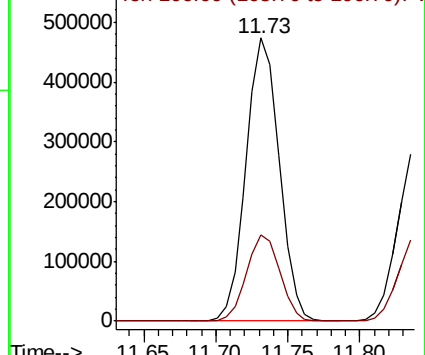
91 100

106 30.6 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.594 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015960.D

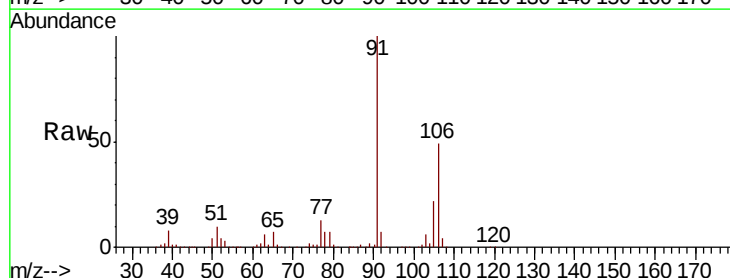
Acq: 27 Jul 2020 09:25

Tgt Ion: 106 Resp: 284151

Ion Ratio Lower Upper

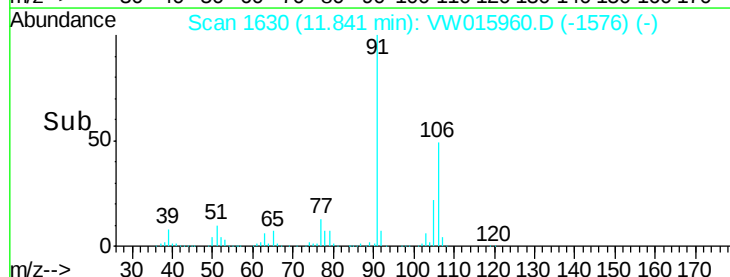
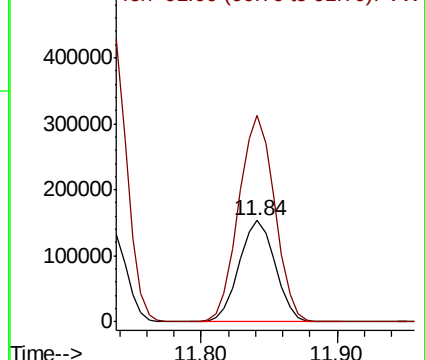
106 100

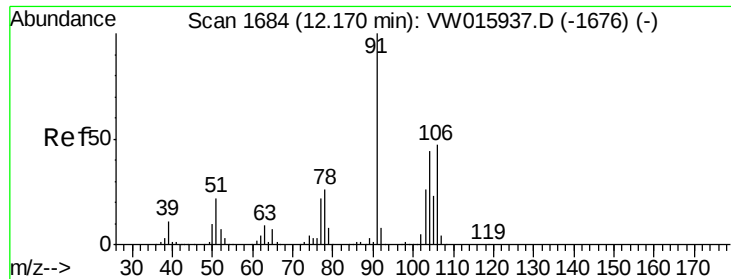
91 204.6 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

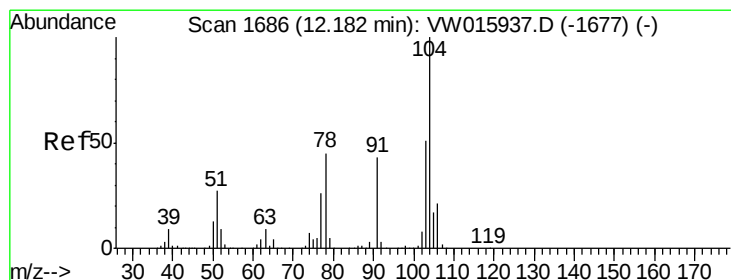
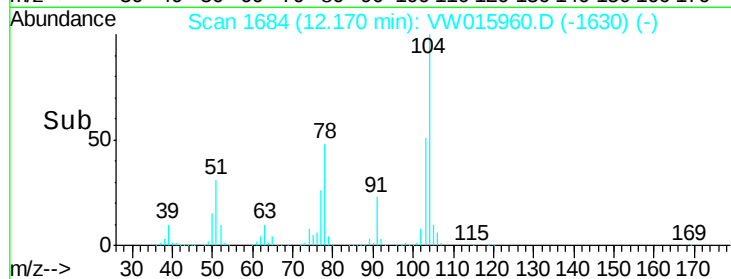
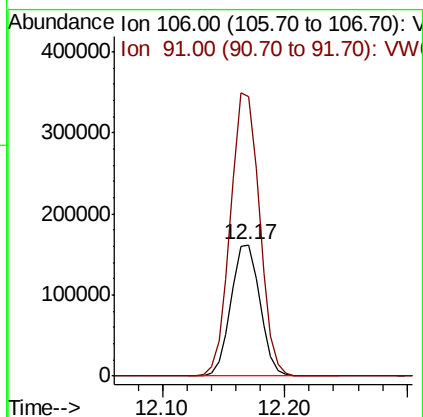
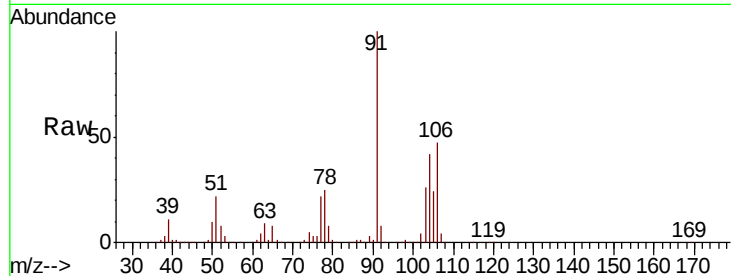




#55
o-xylene
Concen: 26.408 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

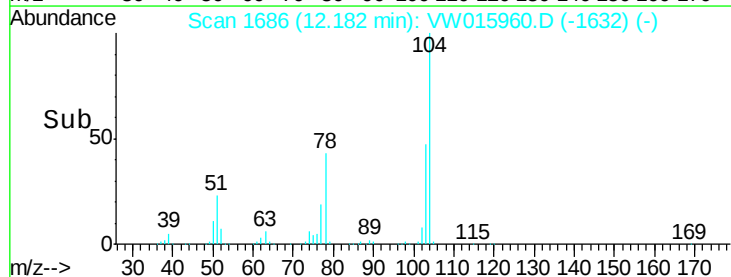
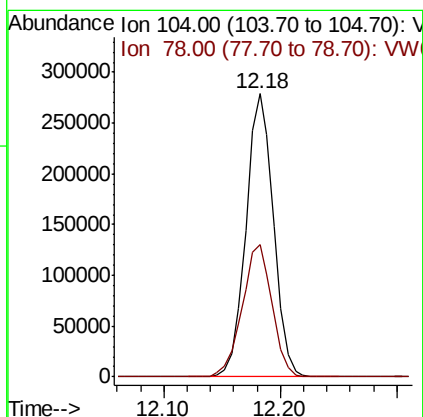
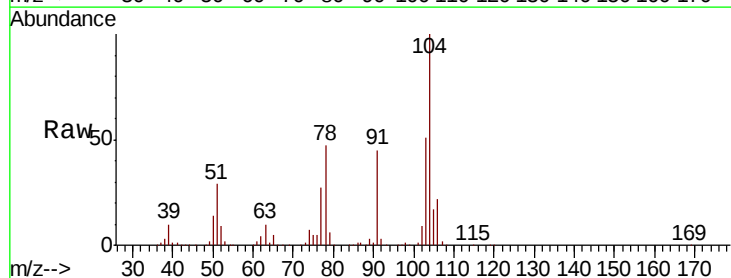
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

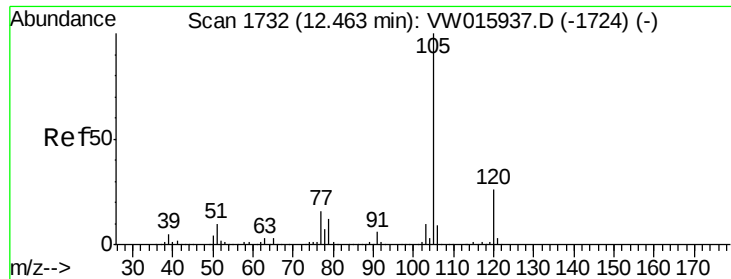
Tot Ion:106 Resp: 265694
Ion Ratio Lower Upper
106 100
91 212.8 146.8 272.6



#56
Styrene
Concen: 26.774 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015960.D
Acq: 27 Jul 2020 09:25

Tgt Ion:104 Resp: 458095
Ion Ratio Lower Upper
104 100
78 46.6 32.0 59.4





#57

Isopropylbenzene

Concen: 26.605 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

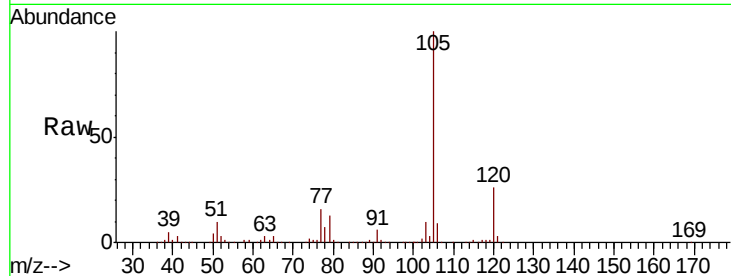
Tot Ion:105 Resp: 728675

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

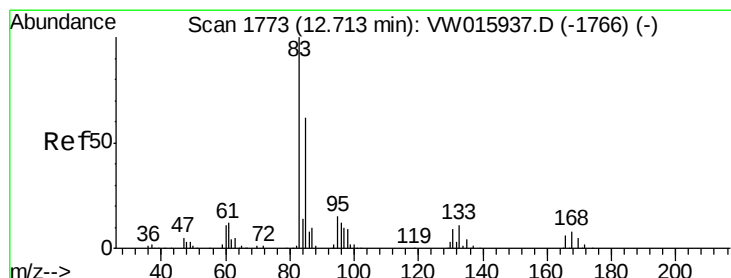
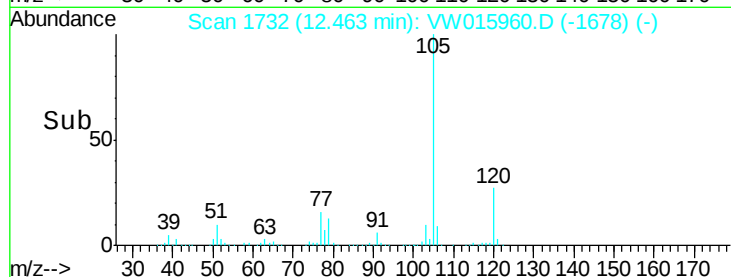
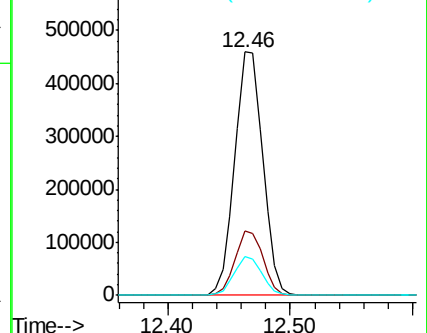
77 15.7 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.945 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

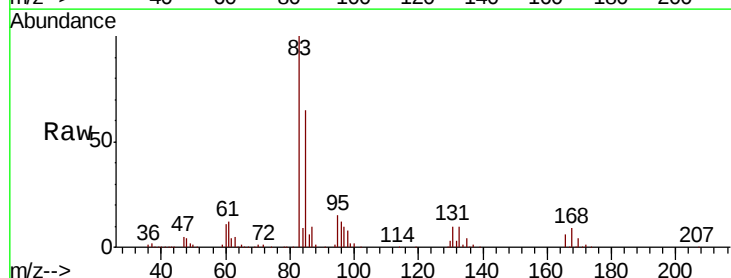
Tgt Ion: 83 Resp: 141553

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

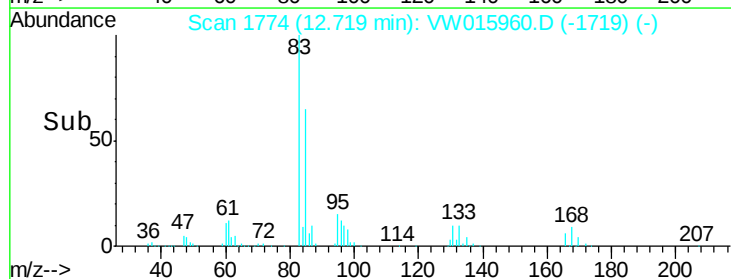
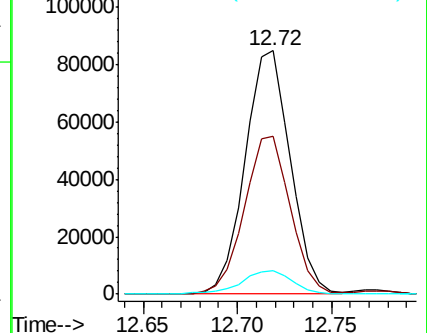
131 9.7 8.2 12.4

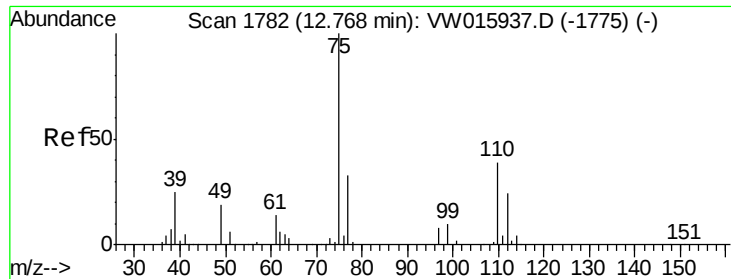


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.215 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

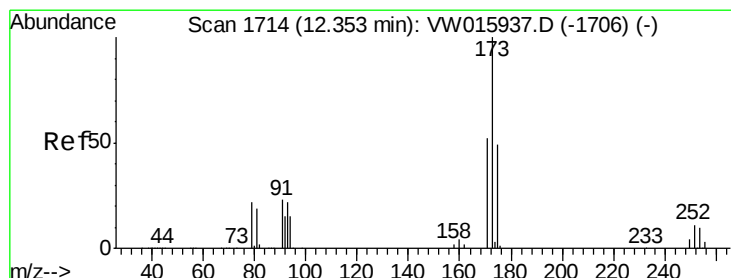
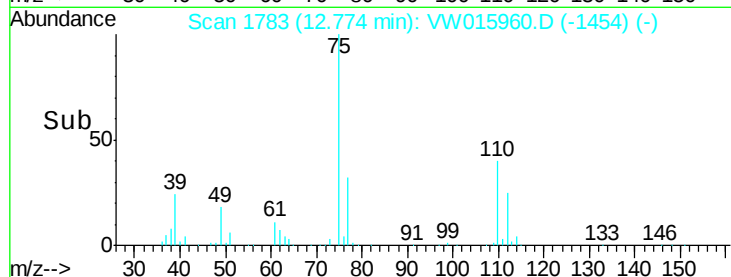
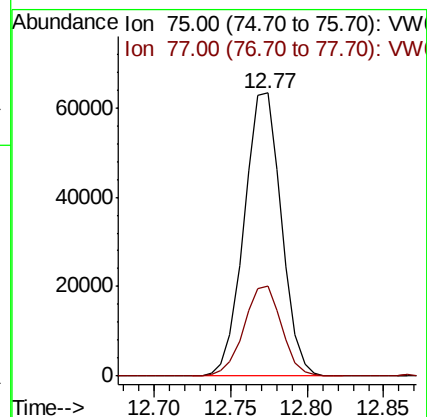
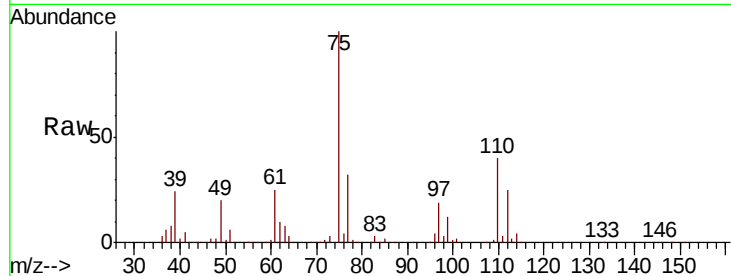
VSTD02513

Tot Ion: 75 Resp: 107084

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#62

Bromoform

Concen: 26.731 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

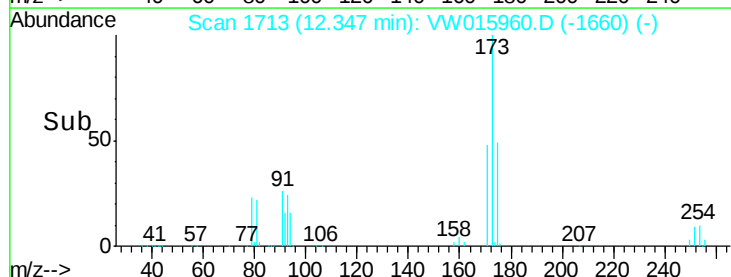
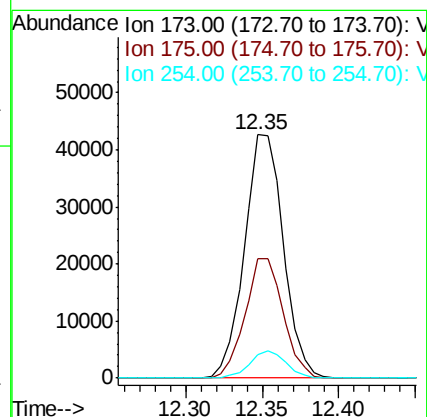
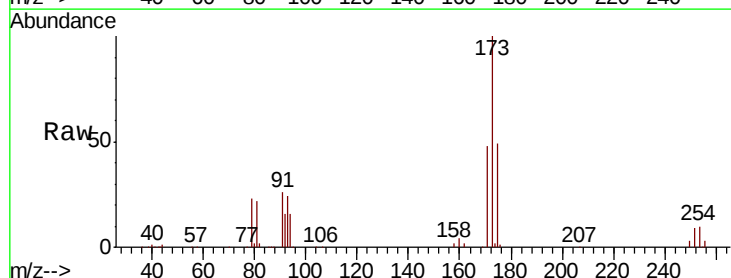
Tgt Ion: 173 Resp: 75346

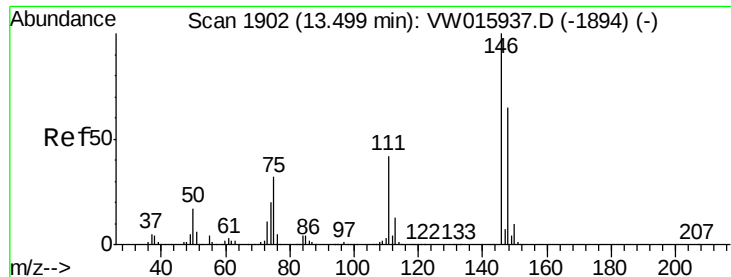
Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 10.4 7.9 11.9

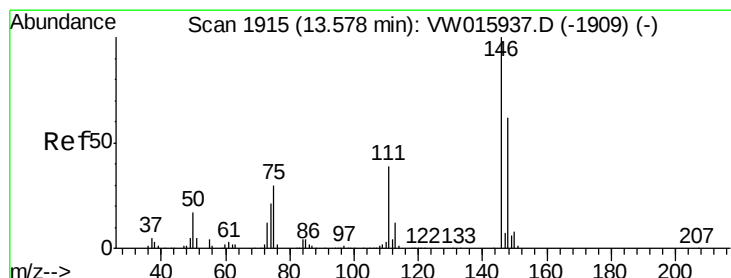
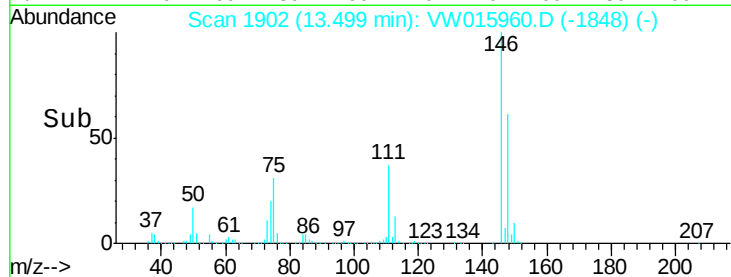
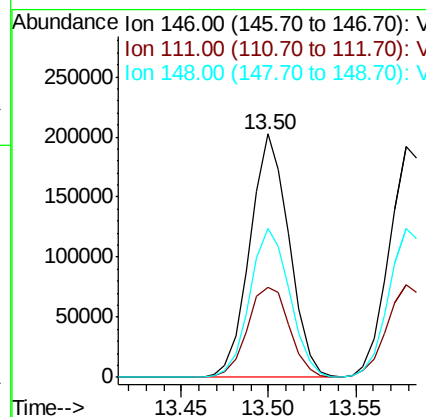
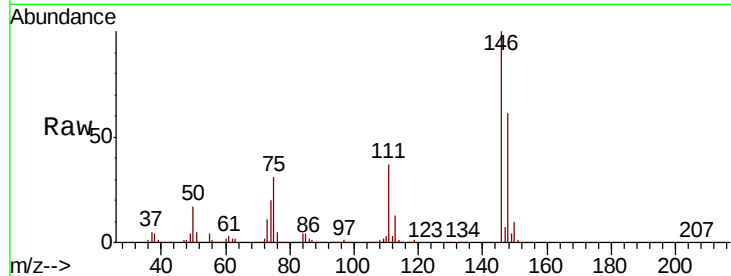




#63
 1,3-Dichlorobenzene
 Concen: 25.801 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

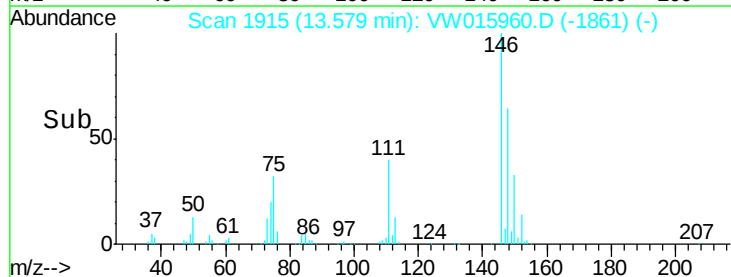
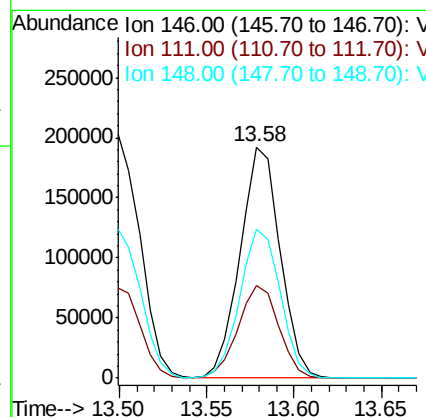
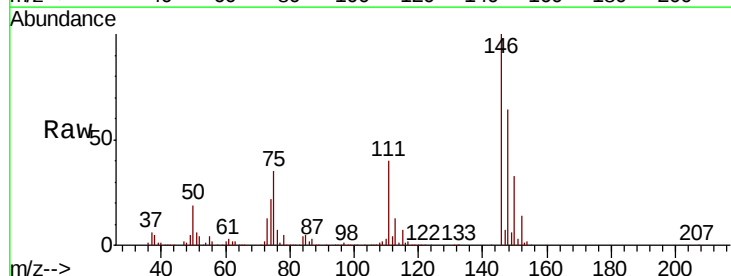
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

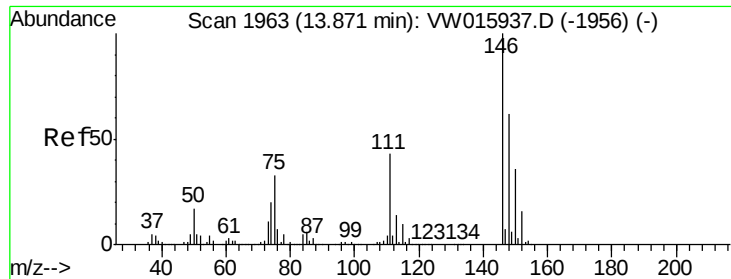
Tot Ion:146 Resp: 316408
 Ion Ratio Lower Upper
 146 100
 111 37.2 27.9 51.7
 148 61.2 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 24.616 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion:146 Resp: 306368
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.3 54.3
 148 64.4 44.5 82.7

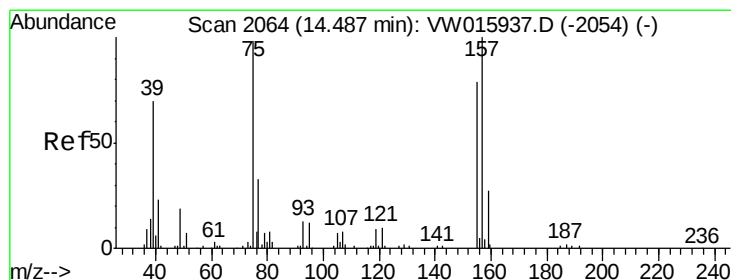
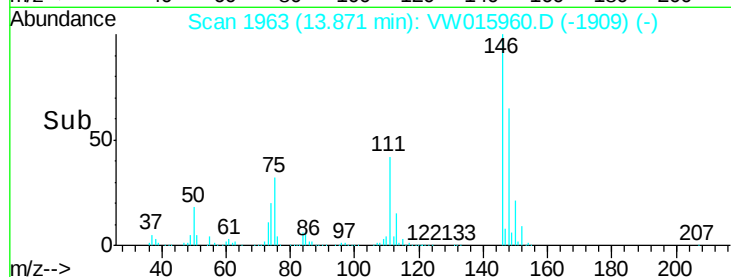
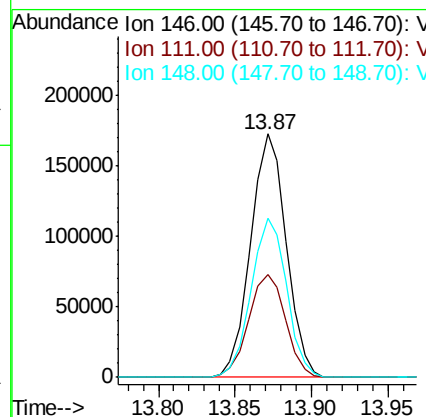
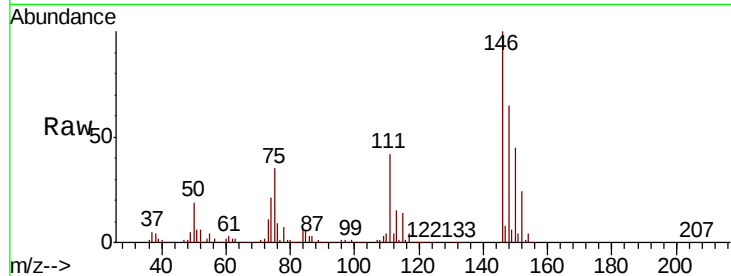




#65
 1,2-Dichlorobenzene
 Concen: 25.142 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

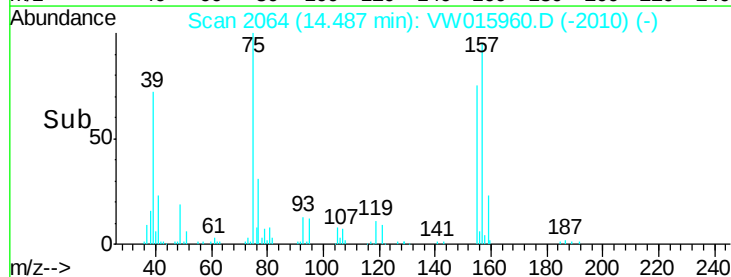
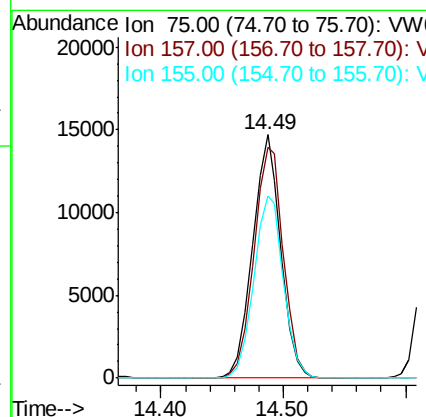
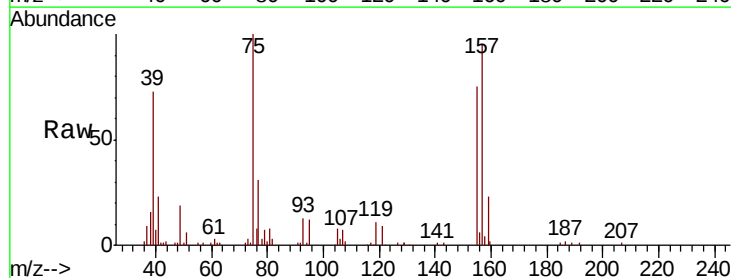
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

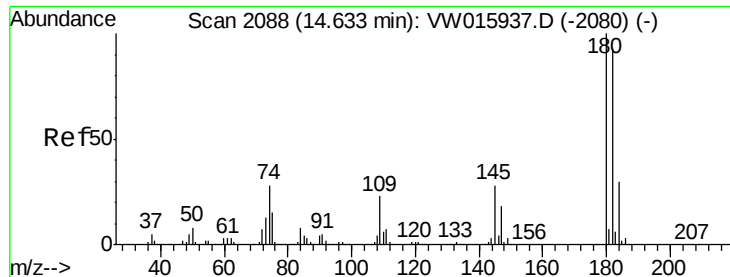
Tot Ion:146 Resp: 280061
 Ion Ratio Lower Upper
 146 100
 111 42.1 32.9 49.3
 148 65.3 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.979 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion: 75 Resp: 23458
 Ion Ratio Lower Upper
 75 100
 157 94.9 83.0 124.4
 155 74.9 66.9 100.3

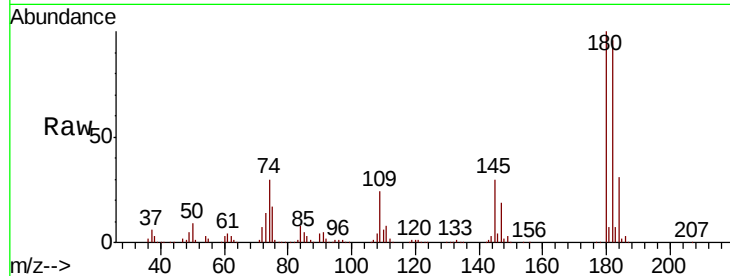




#67
 1,3,5-Trichlorobenzene
 Concen: 25.693 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.4	113.0
184	30.6	24.6	37.0
145	30.4	24.1	36.1



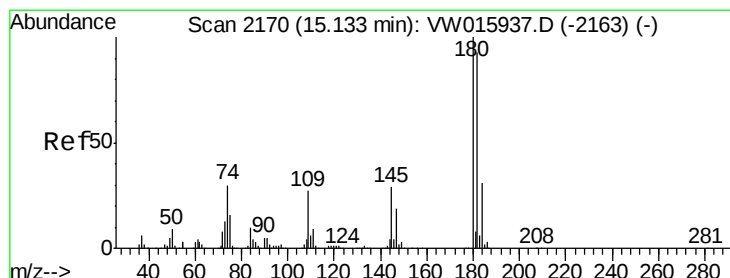
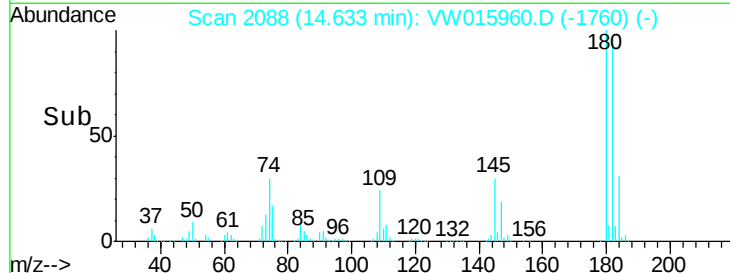
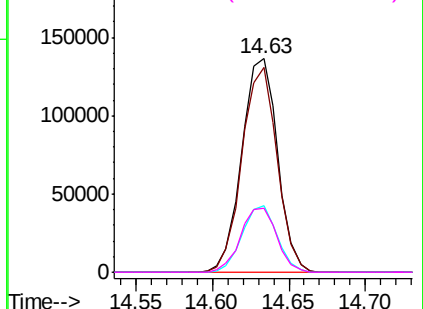
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

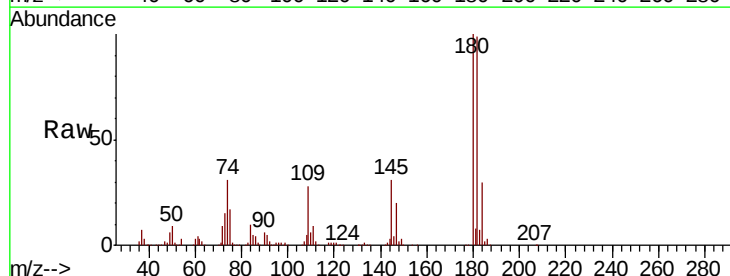
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.010 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015960.D
 Acq: 27 Jul 2020 09:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	76.0	114.0
145	31.4	24.3	36.5

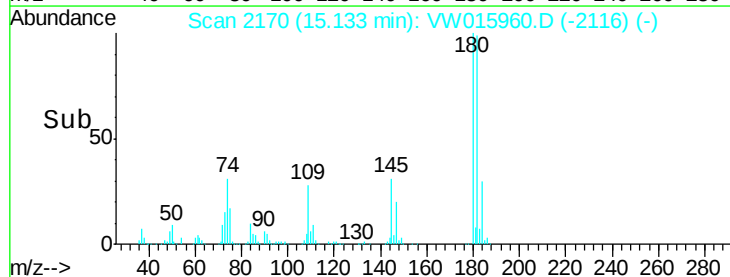
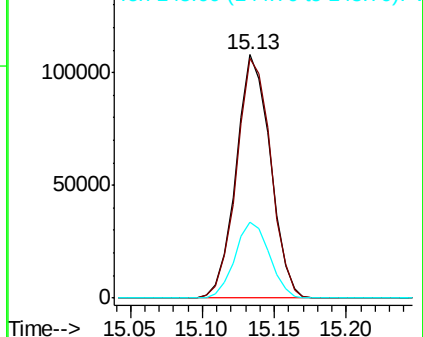


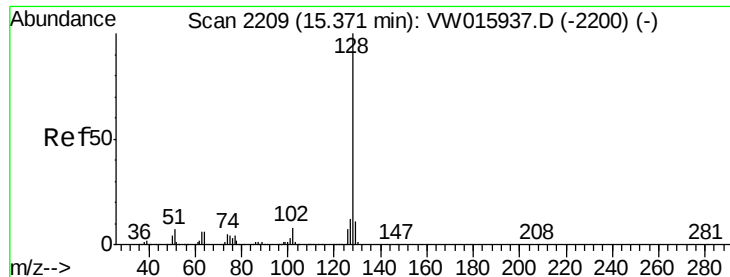
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 28.394 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

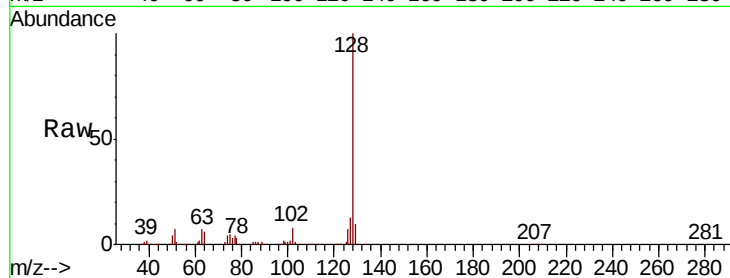
Tot Ion:128 Resp: 366367

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

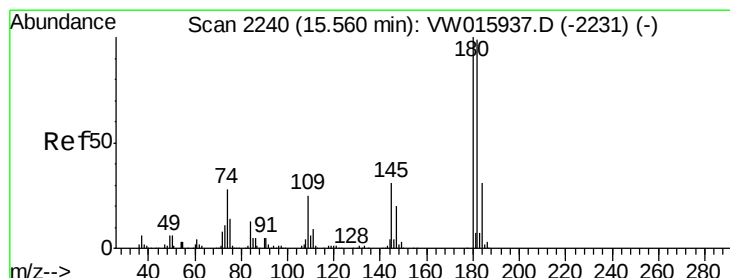
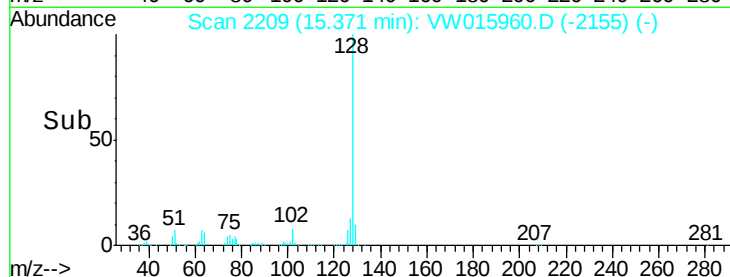
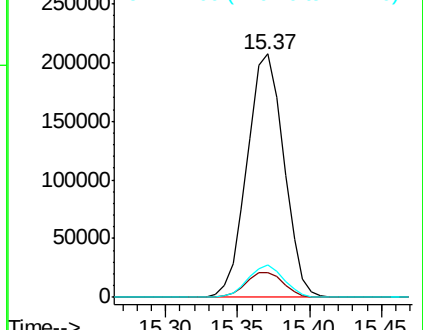
127 13.0 10.5 15.7



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: 25.873 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015960.D

Acq: 27 Jul 2020 09:25

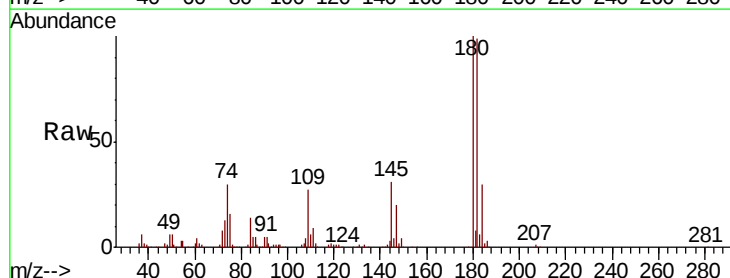
Tgt Ion:180 Resp: 157893

Ion Ratio Lower Upper

180 100

182 98.2 74.0 111.0

145 33.3 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

