

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071320\
 Data File : VW015844.D
 Acq On : 13 Jul 2020 13:59
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Jul 14 03:39:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 13:51:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	329517	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315404	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160553	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132944	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
7) Chloroethane-d5	2.89	69	130617	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.56%
10) 1,1-Dichloroethene-d2	4.01	63	189295	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.24%
20) 2-Butanone-d5	7.08	46	48415	55.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.12%
24) Chloroform-d	7.65	84	220143	24.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.16%
26) 1,2-Dichloroethane-d4	8.31	65	121079	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.44%
29) Benzene-d6	8.27	84	434501	24.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.24%
33) 1,2-Dichloropropane-d6	9.27	67	123805	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
37) Toluene-d8	10.33	98	423111	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.84%
38) trans-1,3-Dichloropropene-	10.58	79	55099	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.44%
39) 2-Hexanone-d5	10.93	63	42021	58.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108748	26.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	156985	26.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	57133	26.493	ug/L	94
3) Chloromethane	2.22	50	82462	23.055	ug/L	99
5) Vinyl chloride	2.37	62	150294	24.198	ug/L	99
6) Bromomethane	2.79	94	122384	21.653	ug/L	99
8) Chloroethane	2.93	64	107971	23.865	ug/L	99
9) Trichlorofluoromethane	3.26	101	141842	23.108	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	91932	25.065	ug/L	95
12) 1,1-Dichloroethene	4.04	96	88947	25.694	ug/L	77
13) Acetone	4.12	43	35504	52.945	ug/L	100
14) Carbon disulfide	4.38	76	291829	25.470	ug/L	99
15) Methyl Acetate	4.67	43	38153	27.733	ug/L	98
16) Methylene chloride	4.92	84	104251	23.872	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	143400	27.084	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	109171	25.676	ug/L	98
19) 1,1-Dichloroethane	6.21	63	184773	25.089	ug/L	99
21) 2-Butanone	7.18	43	50681	55.620	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	114450	25.689	ug/L	96

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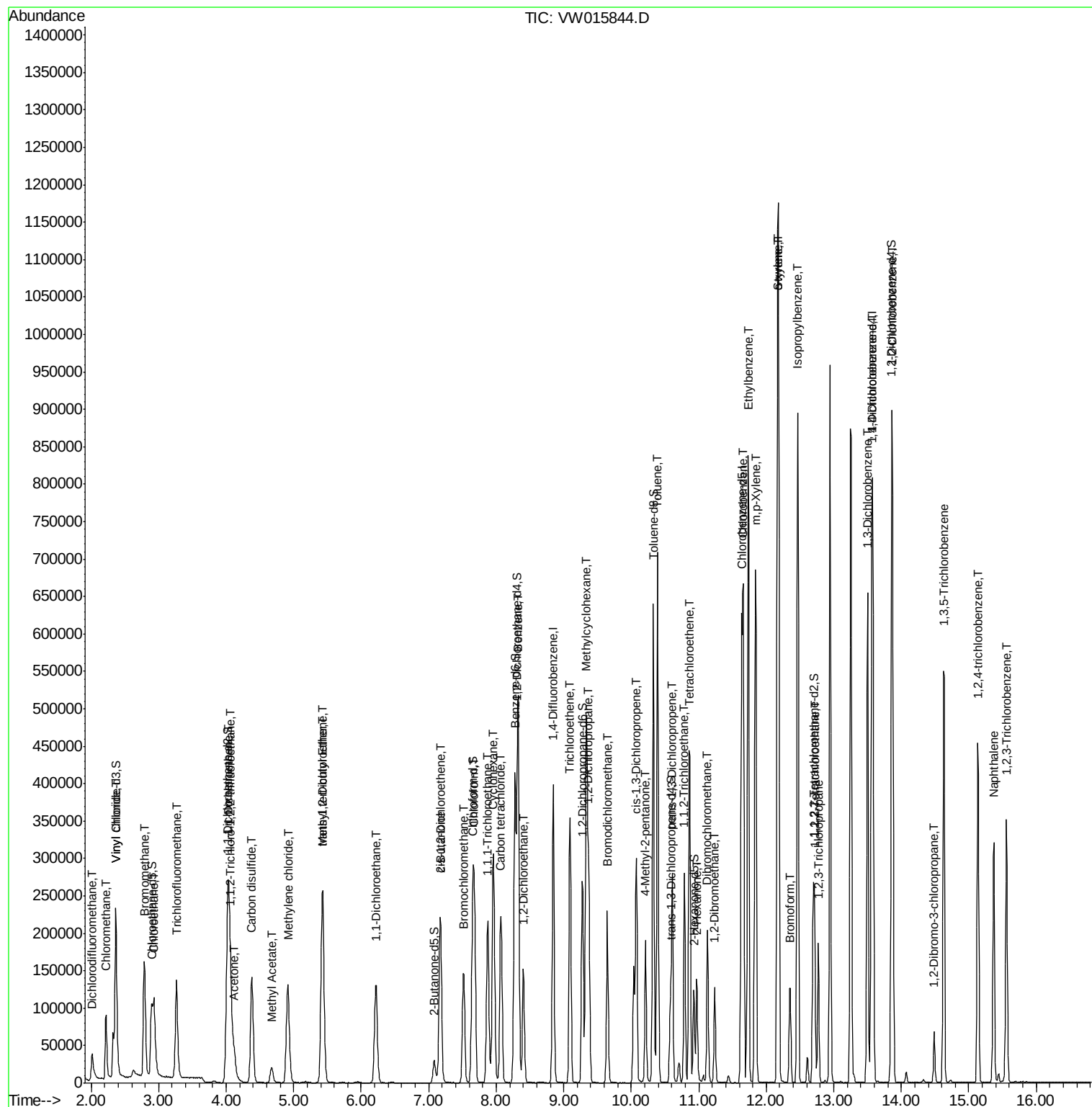
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	52806	26.520	ug/L	97
25) Chloroform	7.68	83	200406	25.016	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136383	26.062	ug/L	100
30) Cyclohexane	7.96	56	165994	25.784	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	177765	25.497	ug/L	99
32) Carbon tetrachloride	8.07	117	168542	25.834	ug/L	99
34) Benzene	8.32	78	448570	25.556	ug/L	100
35) Trichloroethene	9.10	95	120623	25.311	ug/L	97
36) Methylcyclohexane	9.34	83	207043	25.379	ug/L	99
40) 1,2-Dichloropropane	9.37	63	107069	25.649	ug/L	100
41) Bromodichloromethane	9.65	83	148034	26.011	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	170850	27.257	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	114628	58.403	ug/L	100
44) Toluene	10.39	91	516183	26.127	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	151466	27.166	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	86950	26.903	ug/L	96
47) Tetrachloroethene	10.87	164	99926	25.763	ug/L	96
49) 2-Hexanone	10.97	43	80995	58.223	ug/L	99
50) Dibromochloromethane	11.13	129	105166	27.134	ug/L	99
51) 1,2-Dibromoethane	11.24	107	84374	27.438	ug/L	99
52) Chlorobenzene	11.66	112	340497	26.236	ug/L	98
53) Ethylbenzene	11.73	91	574962	25.696	ug/L	100
54) m,p-Xylene	11.84	106	224316	26.126	ug/L	96
55) o-xylene	12.17	106	217576	26.661	ug/L	94
56) Styrene	12.18	104	376114	27.354	ug/L	98
57) Isopropylbenzene	12.47	105	595770	26.616	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	103654	28.139	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	75197	27.792	ug/L	100
62) Bromoform	12.35	173	58196	26.840	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	264712	26.184	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	268242	26.193	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	243823	26.617	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	16285	28.755	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	171620	25.465	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	140019	26.607	ug/L	96
69) Naphthalene	15.37	128	273881	29.212	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	121190	25.811	ug/L	97

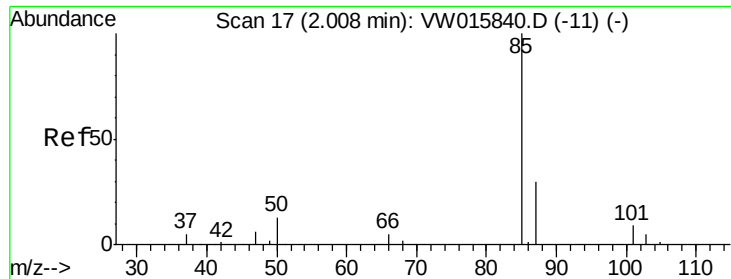
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.493 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

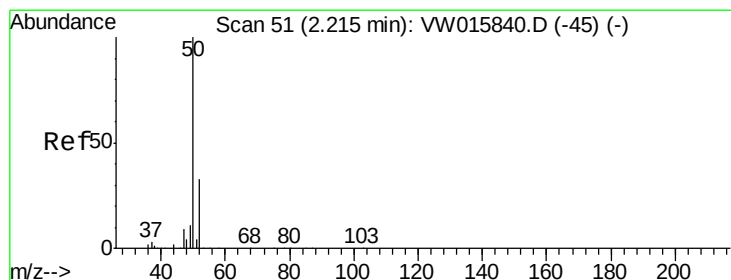
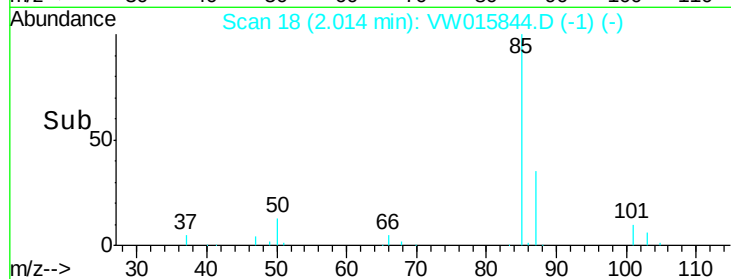
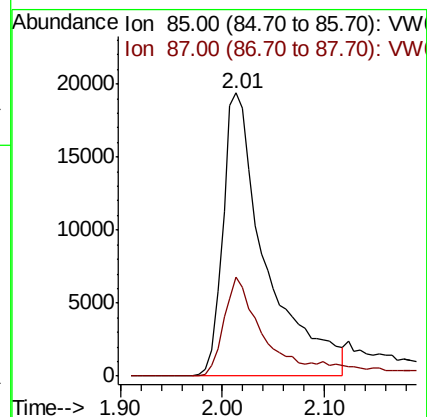
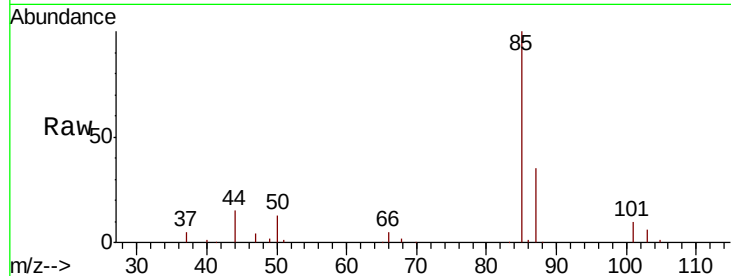
VSTD02524

Tot Ion: 85 Resp: 57133

Ion Ratio Lower Upper

85 100

87 29.9 23.2 43.0



#3

Chloromethane

Concen: 23.055 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015844.D

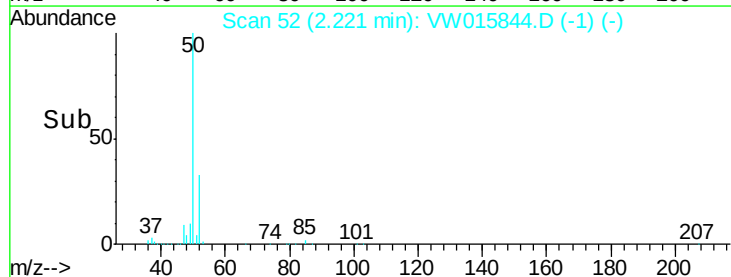
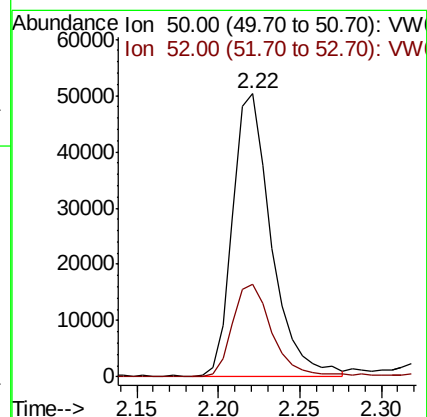
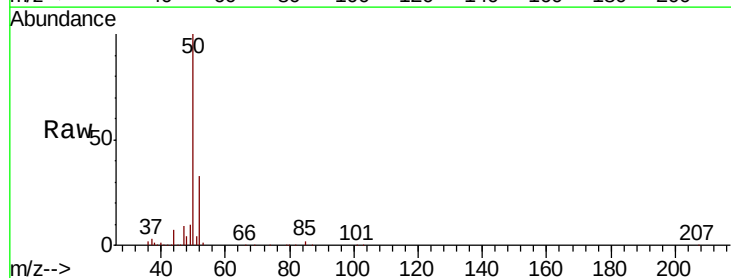
Acq: 13 Jul 2020 13:59

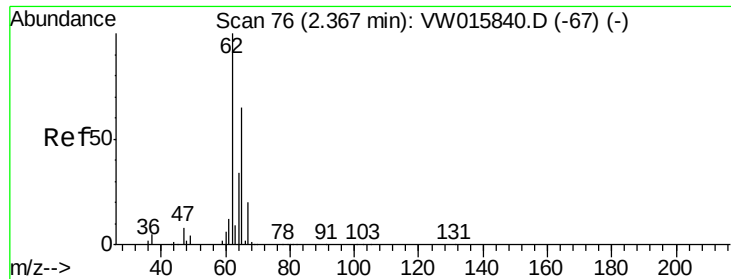
Tgt Ion: 50 Resp: 82462

Ion Ratio Lower Upper

50 100

52 32.9 22.8 42.4





#5

Vinyl chloride

Concen: 24.198 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

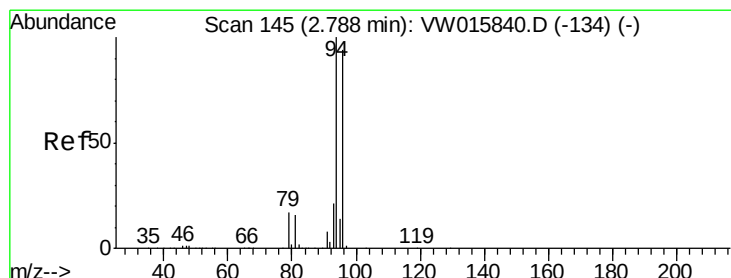
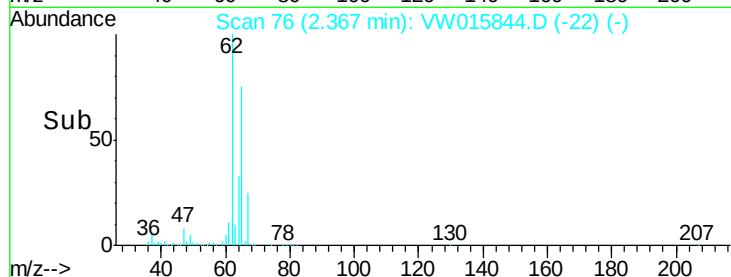
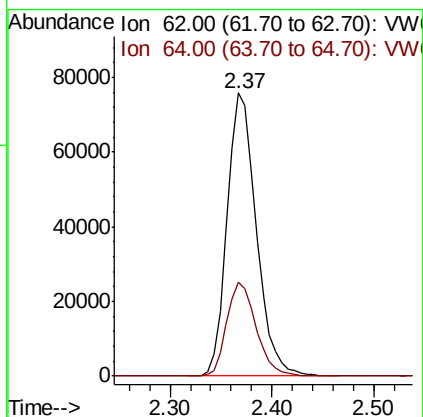
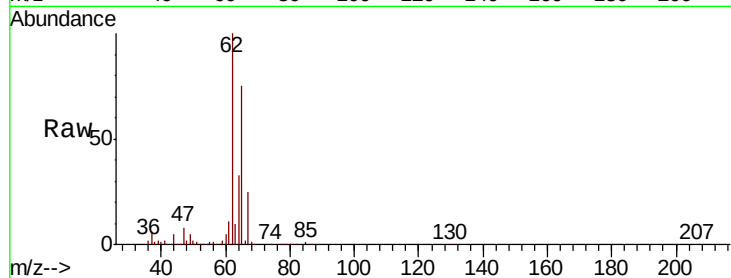
VSTD02524

Tot Ion: 62 Resp: 150294

Ion Ratio Lower Upper

62 100

64 33.4 23.7 43.9



#6

Bromomethane

Concen: 21.653 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015844.D

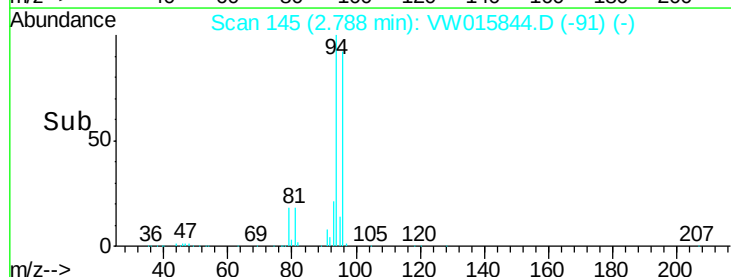
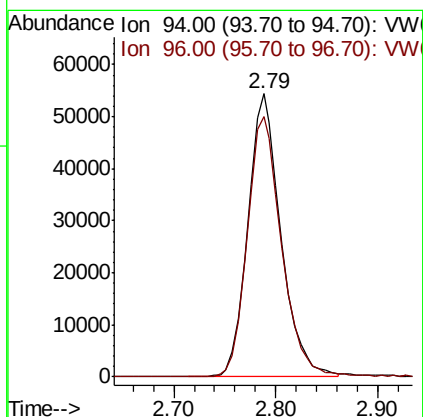
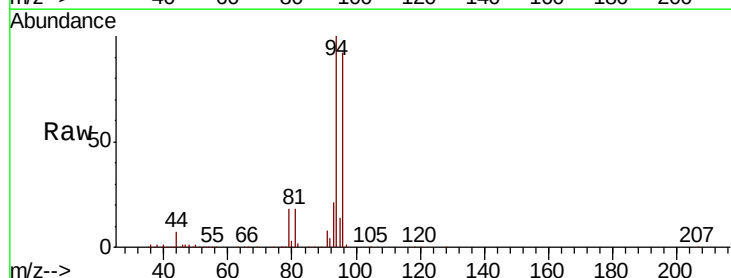
Acq: 13 Jul 2020 13:59

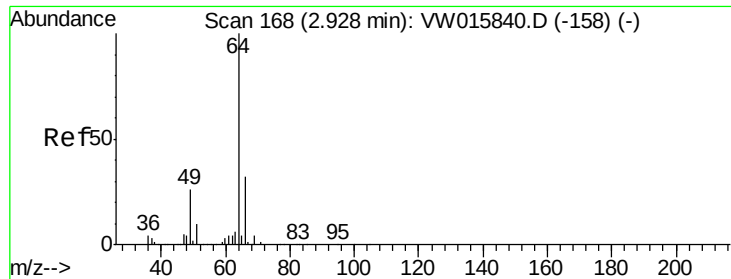
Tgt Ion: 94 Resp: 122384

Ion Ratio Lower Upper

94 100

96 95.3 9.4 179.0

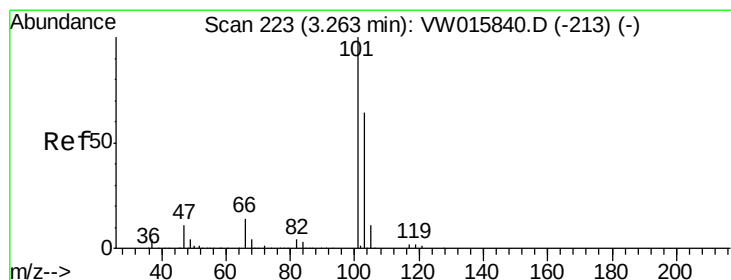
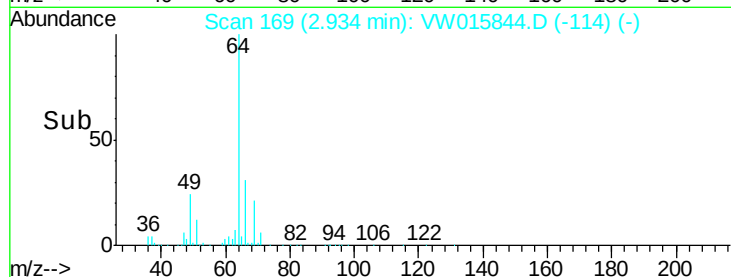
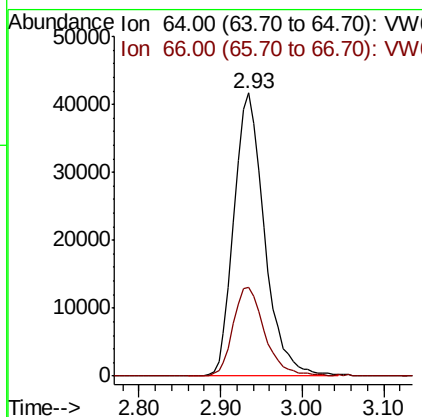
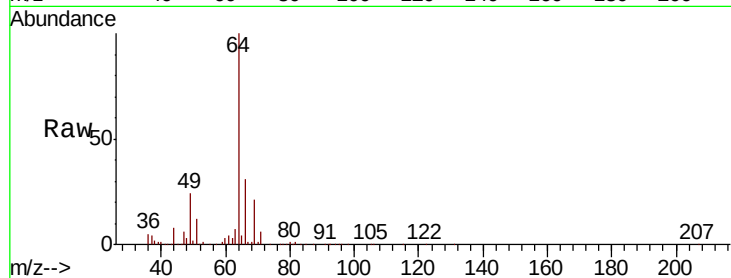




#8
Chloroethane
Concen: 23.865 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

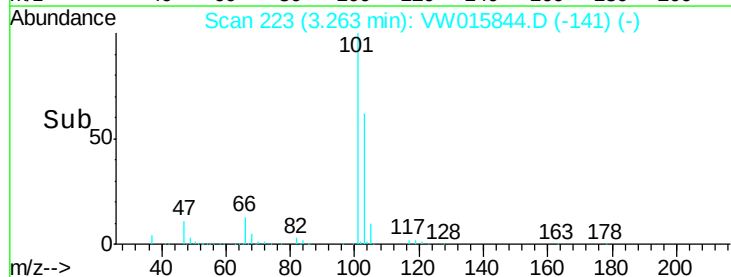
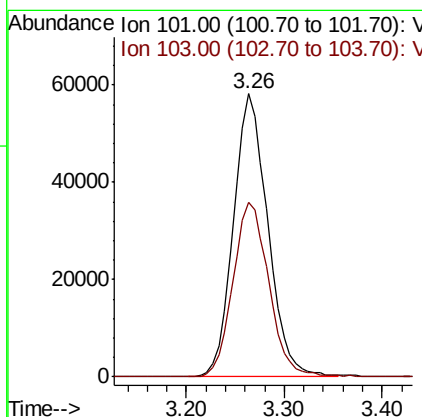
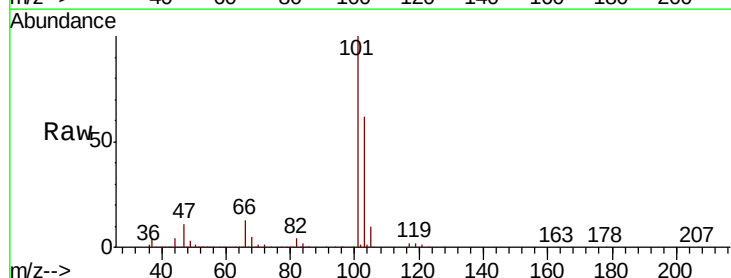
Instrument :
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VSTD02524

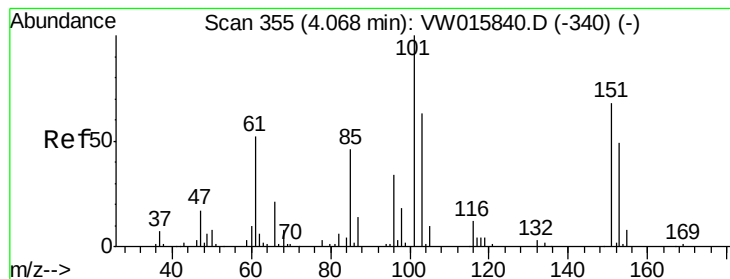
Tot Ion: 64 Resp: 107971
Ion Ratio Lower Upper
64 100
66 31.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 23.108 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

Tgt Ion: 101 Resp: 141842
Ion Ratio Lower Upper
101 100
103 64.4 46.1 85.5





#11

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

Concen: 25.065 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

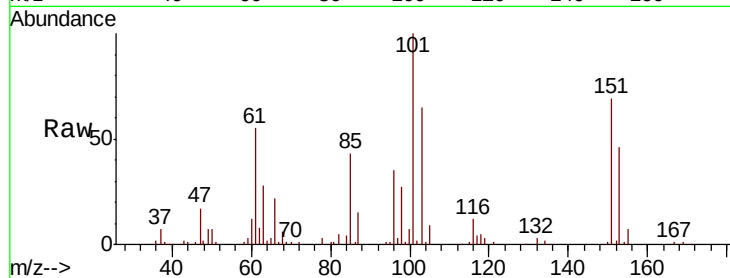
Tot Ion:101 Resp: 91932

Ion Ratio Lower Upper

101 100

85 41.5 38.8 58.2

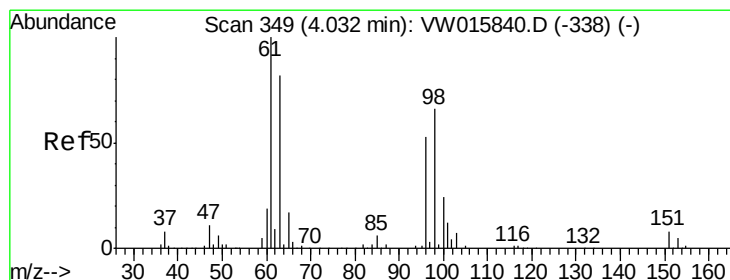
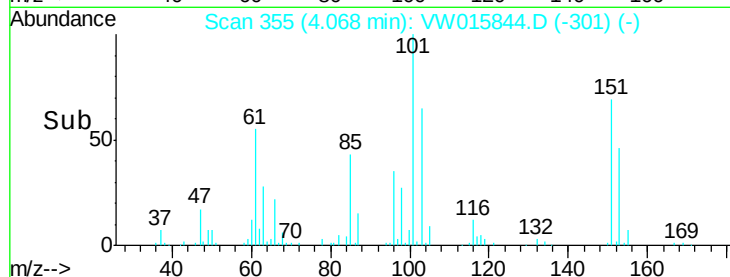
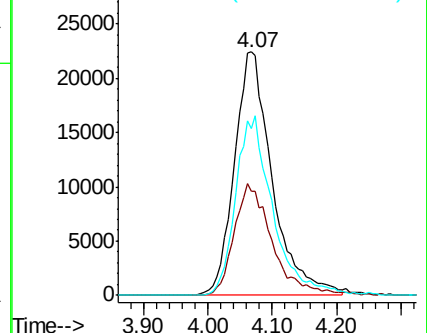
151 69.0 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.694 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

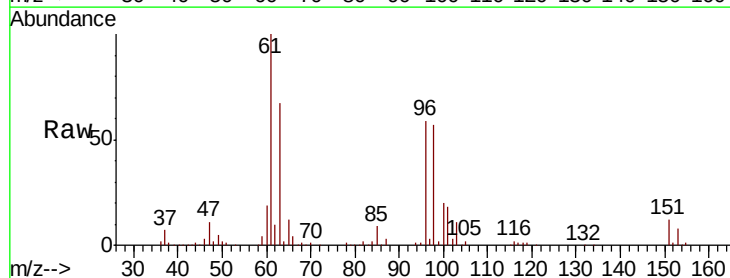
Tgt Ion: 96 Resp: 88947

Ion Ratio Lower Upper

96 100

61 168.6 131.7 244.5

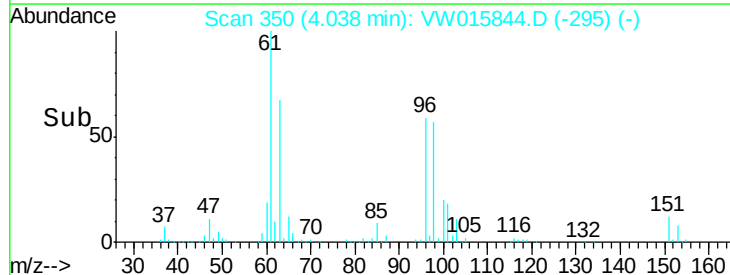
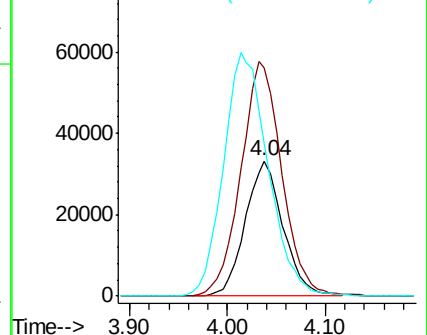
63 112.9 110.4 205.0

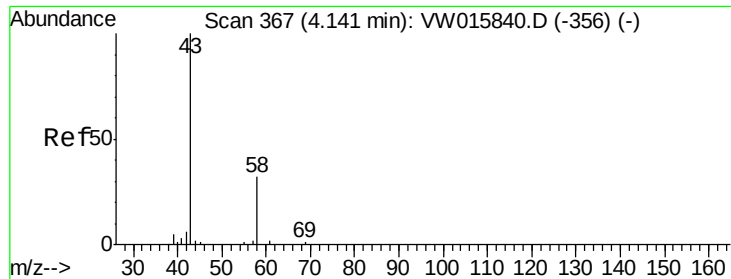


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.945 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampled :

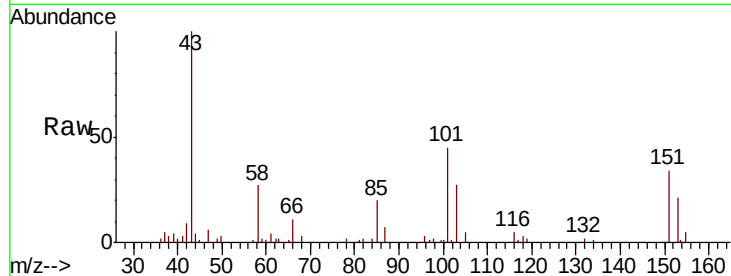
VSTD02524

Tot Ion: 43 Resp: 35504

Ion Ratio Lower Upper

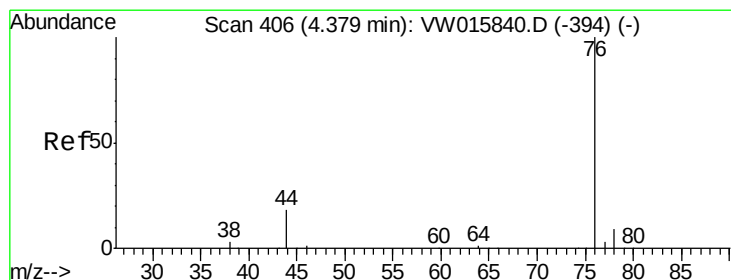
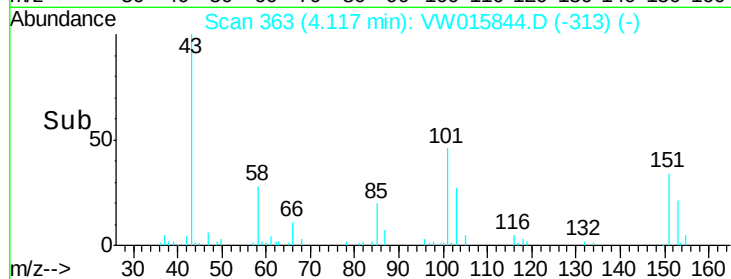
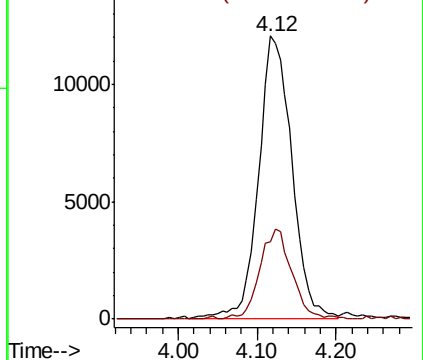
43 100

58 29.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.470 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015844.D

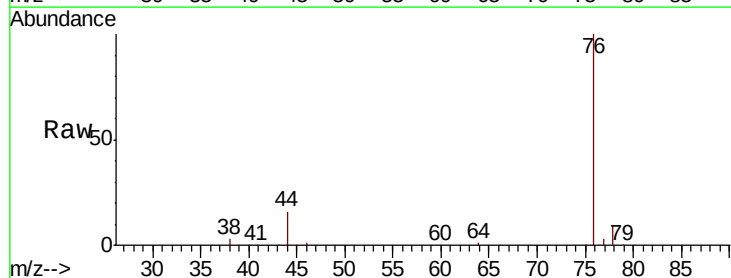
Acq: 13 Jul 2020 13:59

Tgt Ion: 76 Resp: 291829

Ion Ratio Lower Upper

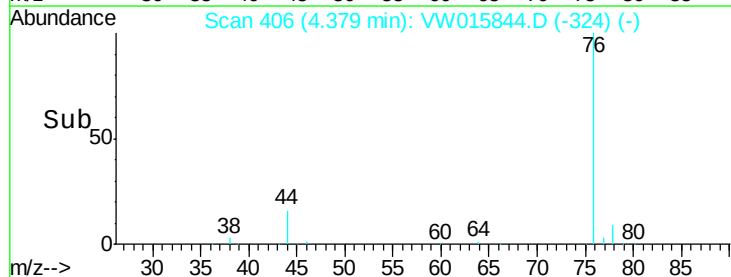
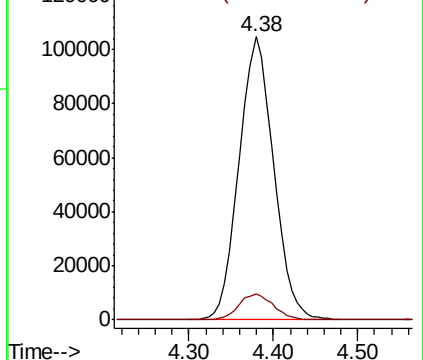
76 100

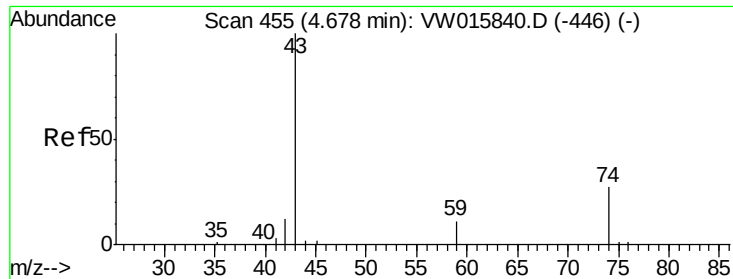
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 27.733 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

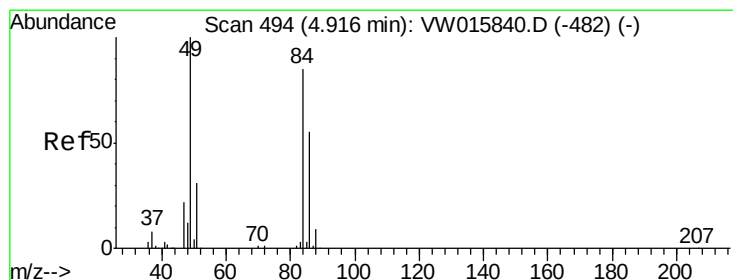
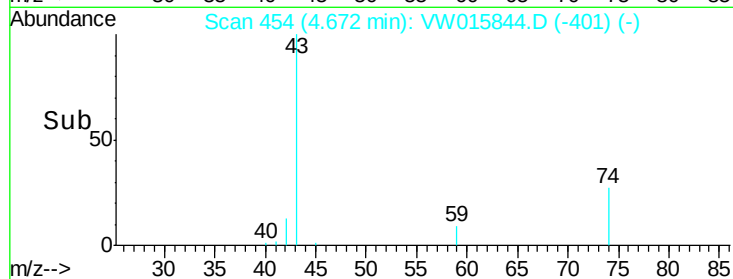
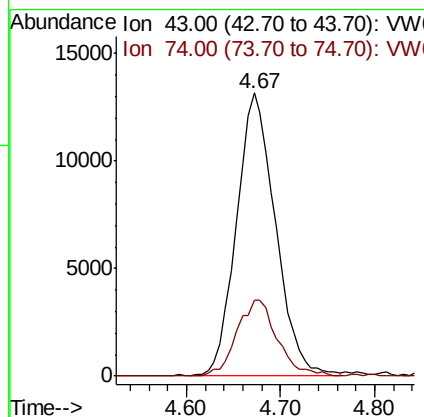
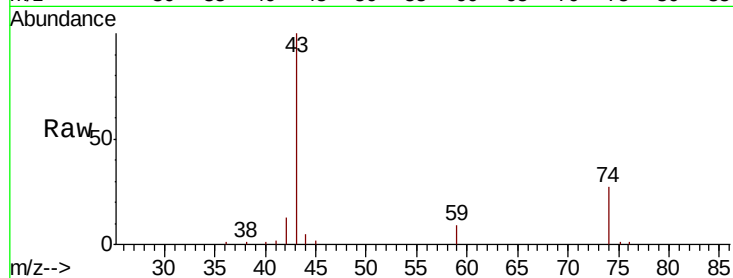
VSTD02524

Tot Ion: 43 Resp: 38153

Ion Ratio Lower Upper

43 100

74 27.8 21.4 32.0



#16

Methylene chloride

Concen: 23.872 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

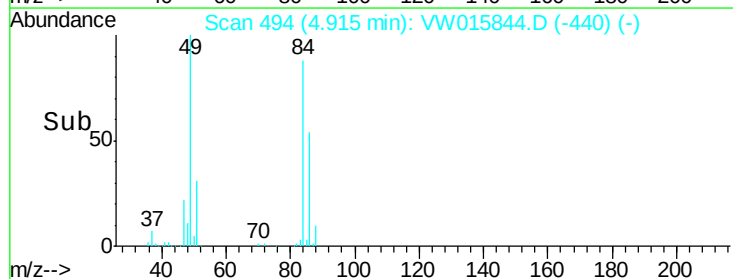
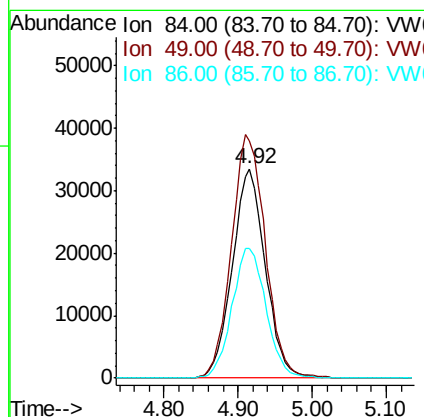
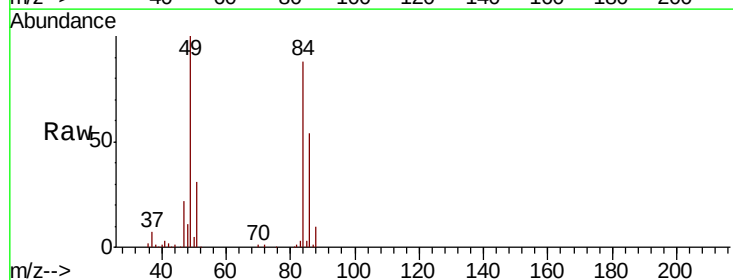
Tgt Ion: 84 Resp: 104251

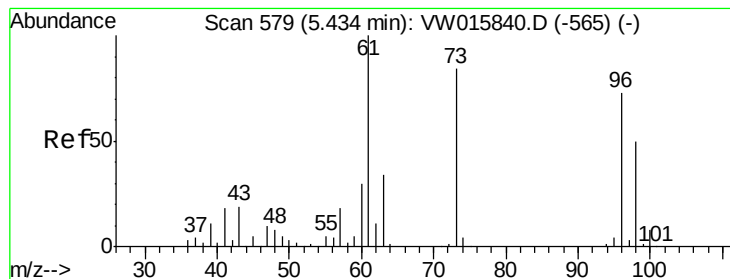
Ion Ratio Lower Upper

84 100

49 113.5 82.5 153.1

86 61.7 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 27.084 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

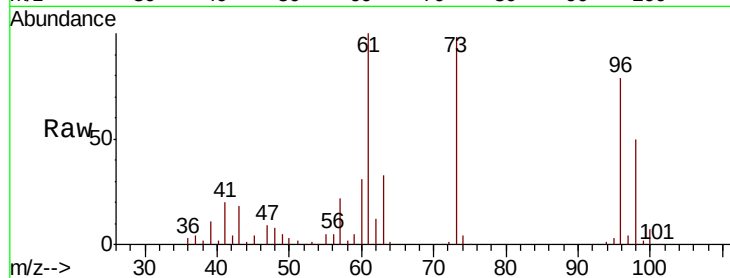
Tot Ion: 73 Resp: 143400

Ion Ratio Lower Upper

73 100

43 20.7 17.8 26.8

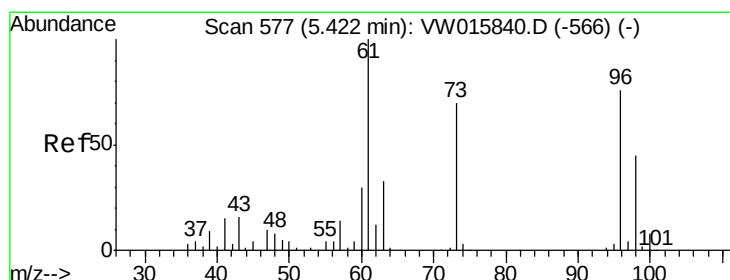
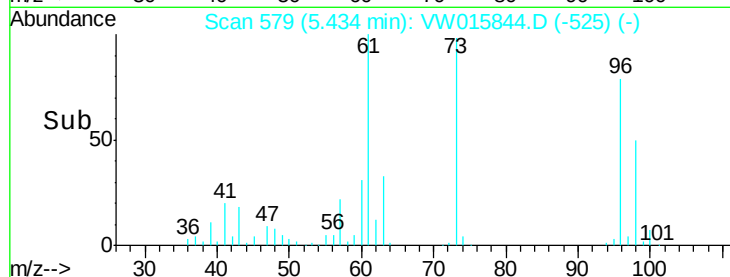
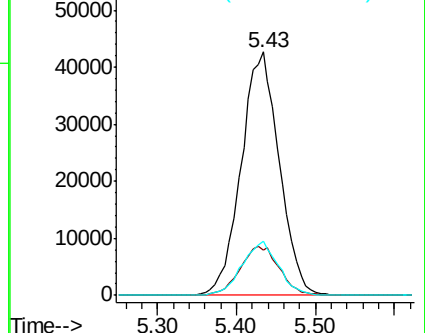
57 21.1 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 25.676 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

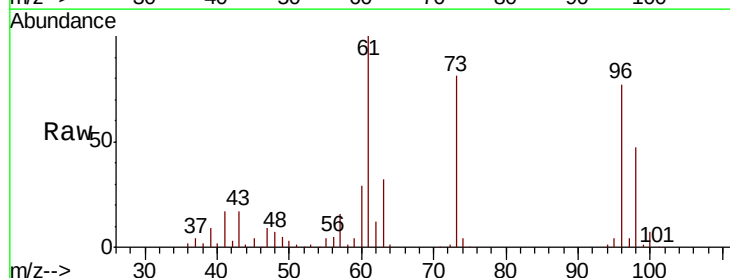
Tgt Ion: 96 Resp: 109171

Ion Ratio Lower Upper

96 100

61 130.4 92.5 171.7

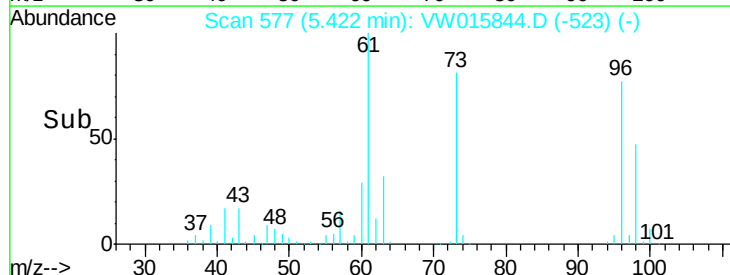
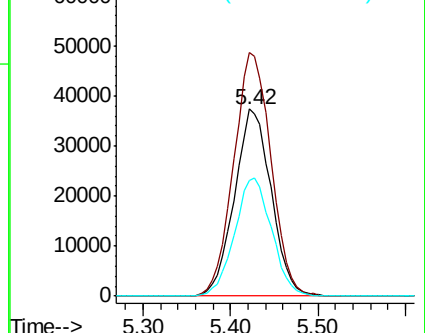
98 61.6 41.1 76.3

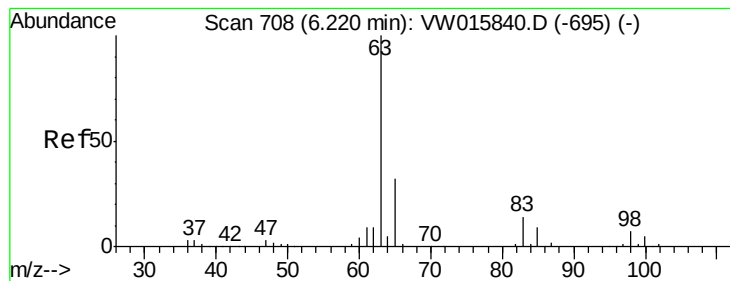


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 25.089 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

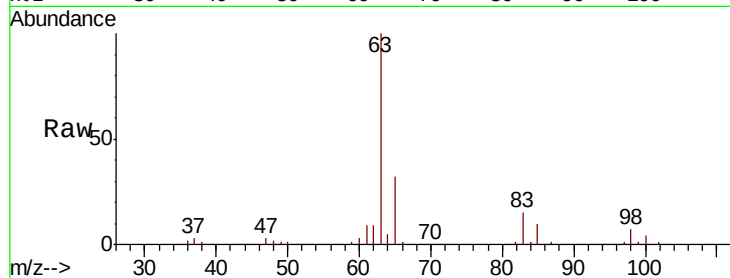
Tot Ion: 63 Resp: 184773

Ion Ratio Lower Upper

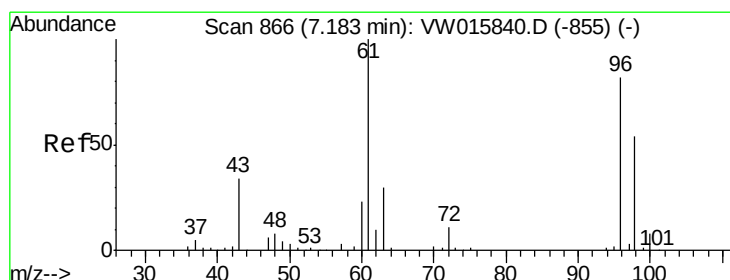
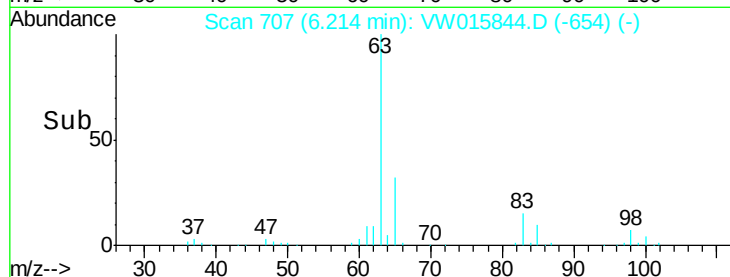
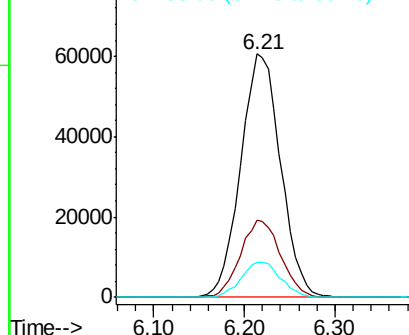
63 100

65 31.7 22.5 41.7

83 14.6 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 55.620 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015844.D

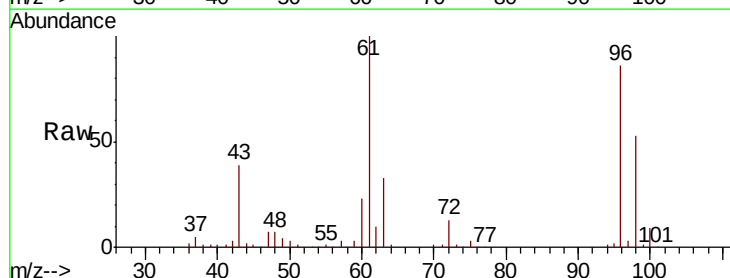
Acq: 13 Jul 2020 13:59

Tgt Ion: 43 Resp: 50681

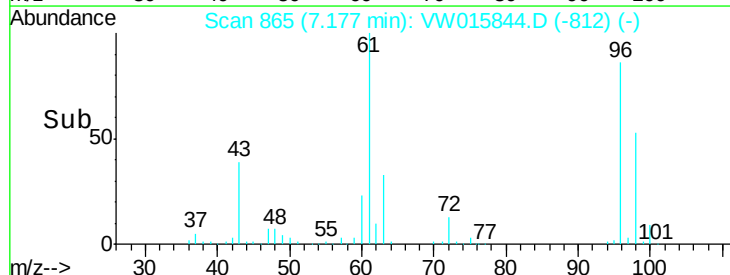
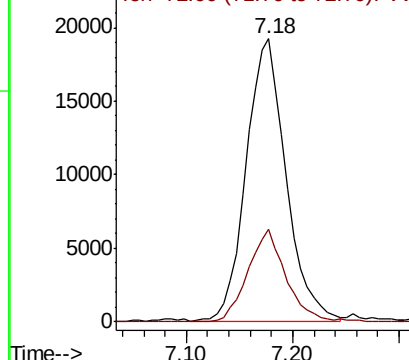
Ion Ratio Lower Upper

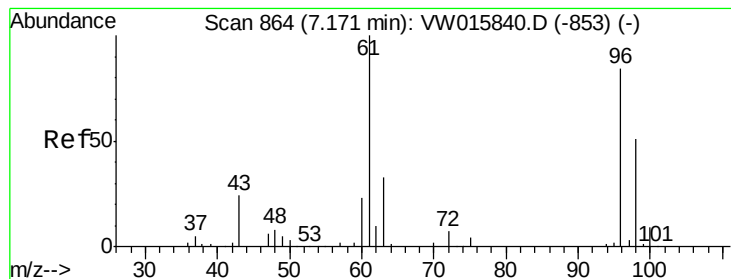
43 100

72 30.8 15.6 46.7



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



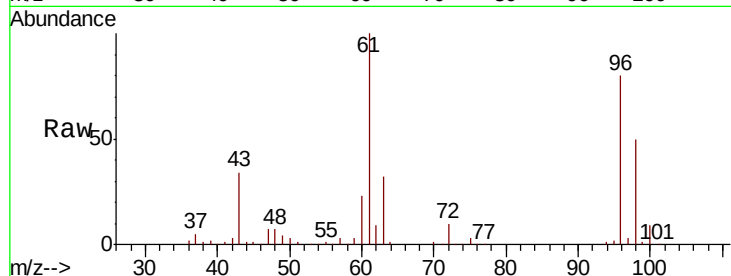


#22

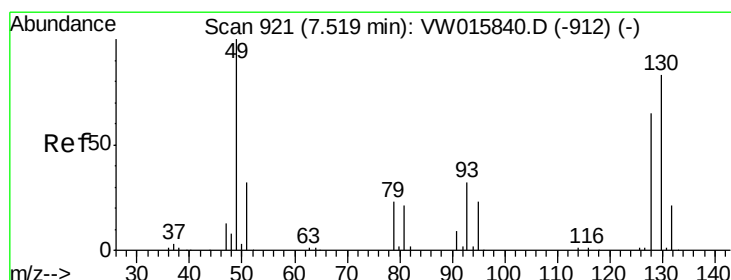
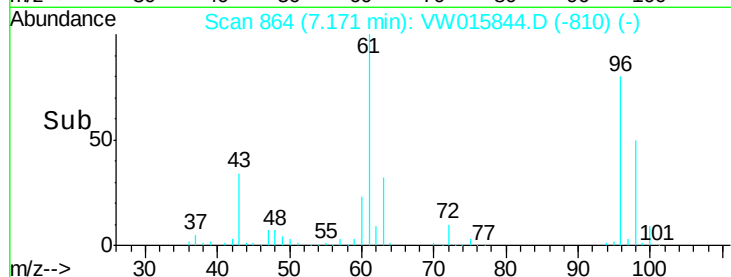
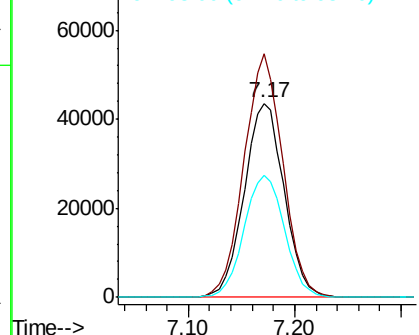
cis-1,2-Dichloroethene
 Concen: 25.689 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion: 96 Resp: 114450
 Ion Ratio Lower Upper
 96 100
 61 125.5 83.7 155.5
 98 62.7 43.0 80.0



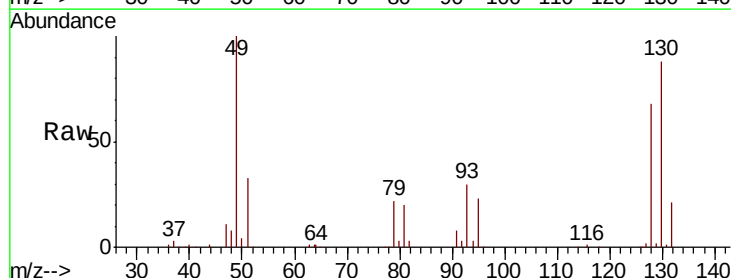
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



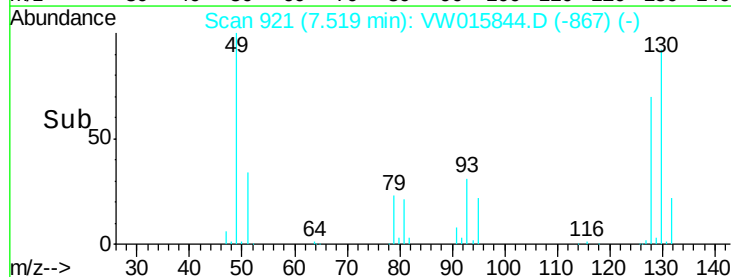
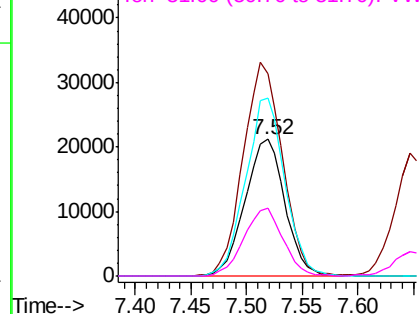
#23

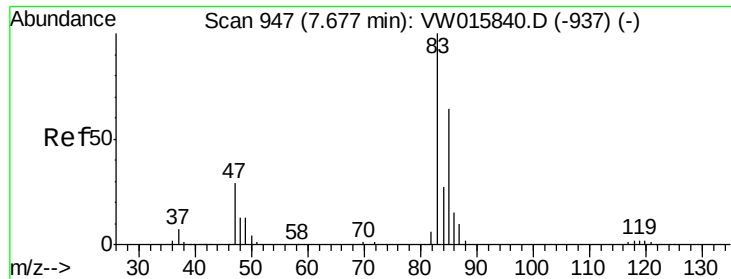
Bromochloromethane
 Concen: 26.520 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion: 128 Resp: 52806
 Ion Ratio Lower Upper
 128 100
 49 148.1 108.8 202.2
 130 130.2 89.8 166.8
 51 49.3 39.5 59.3



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

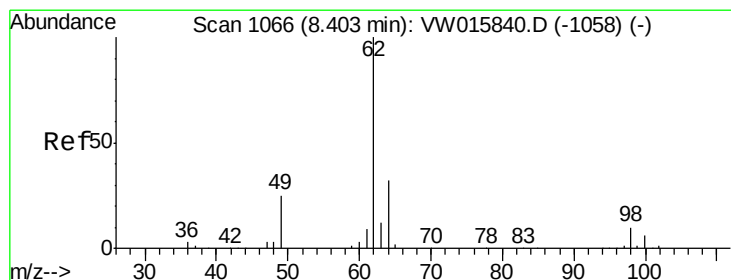
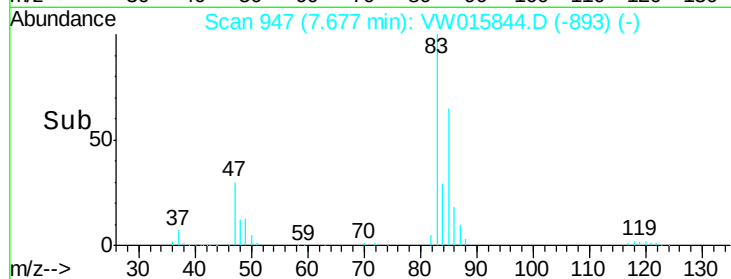
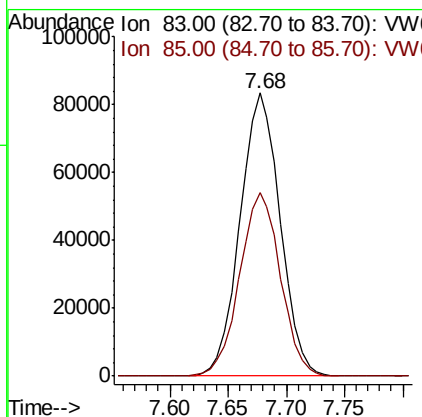
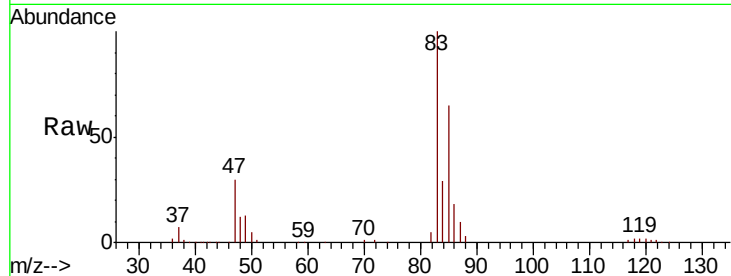




#25
Chloroform
Concen: 25.016 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

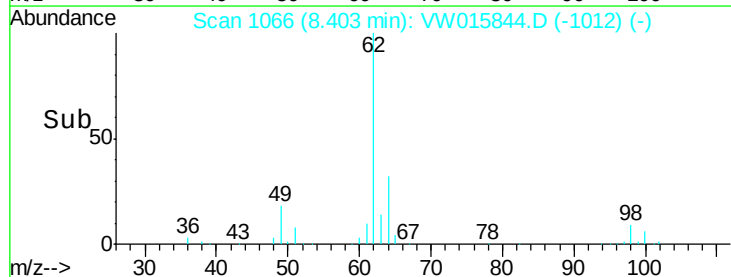
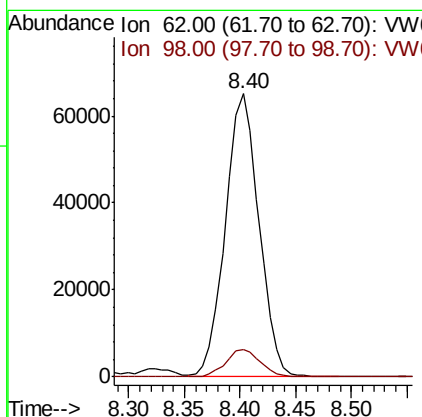
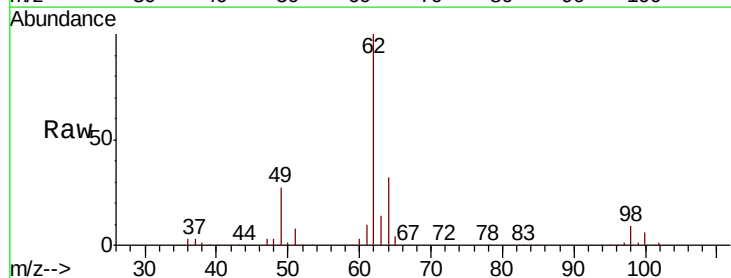
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

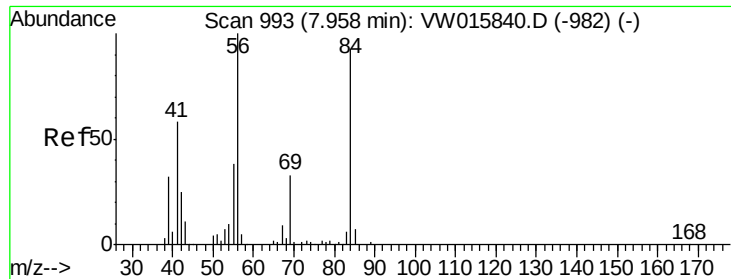
Tot Ion: 83 Resp: 200406
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 26.062 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

Tgt Ion: 62 Resp: 136383
Ion Ratio Lower Upper
62 100
98 9.5 7.7 11.5

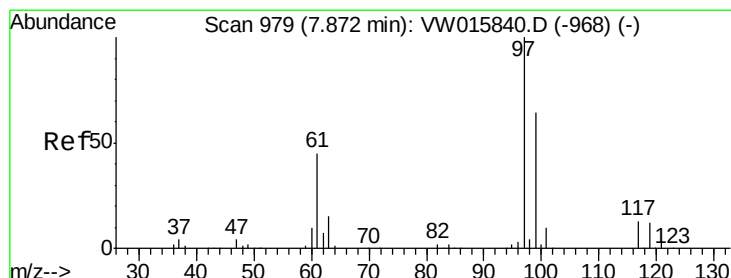
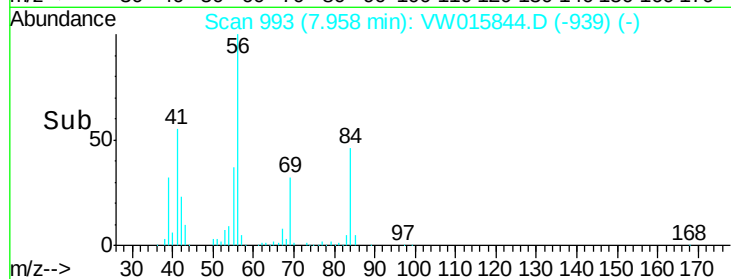
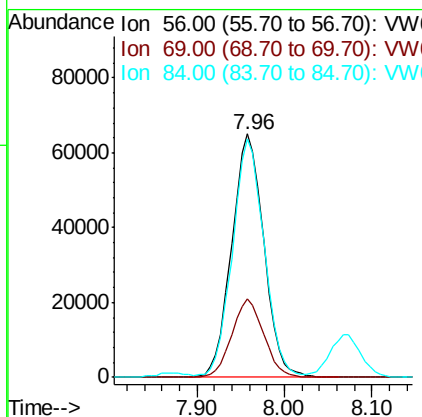
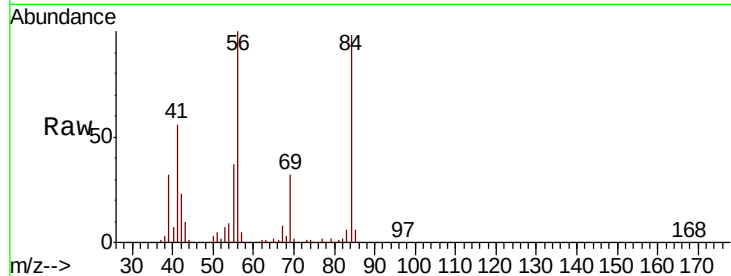




#30
Cyclohexane
Concen: 25.784 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

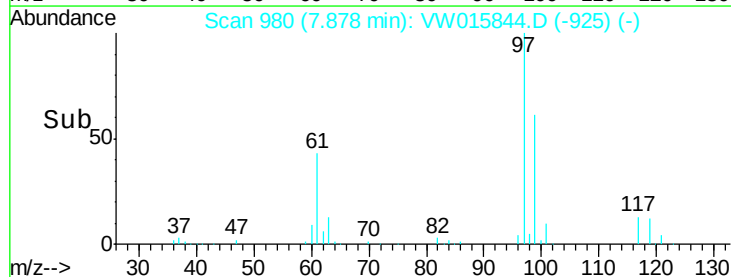
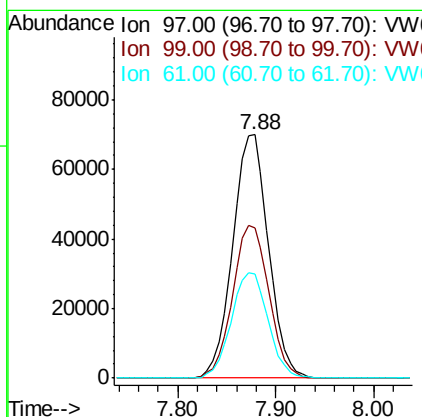
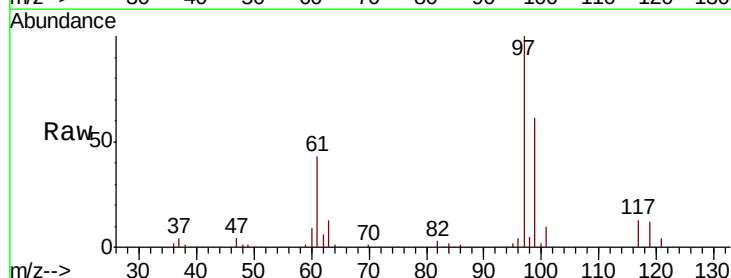
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

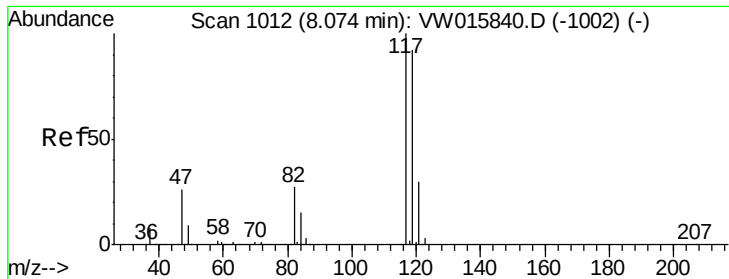
Tot Ion: 56 Resp: 165994
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.8
84 97.1 78.3 117.5



#31
1,1,1-Trichloroethane
Concen: 25.497 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

Tgt Ion: 97 Resp: 177765
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 44.4 36.2 54.2





#32

Carbon tetrachloride

Concen: 25.834 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

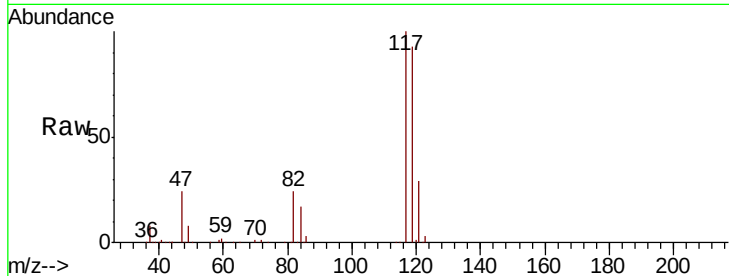
VSTD02524

Tot Ion:117 Resp: 168542

Ion Ratio Lower Upper

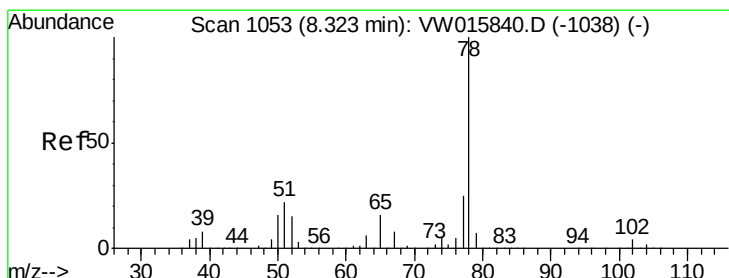
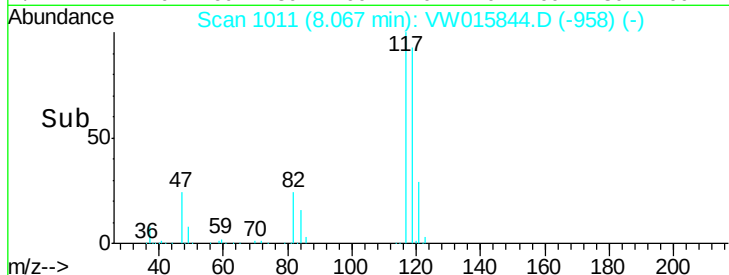
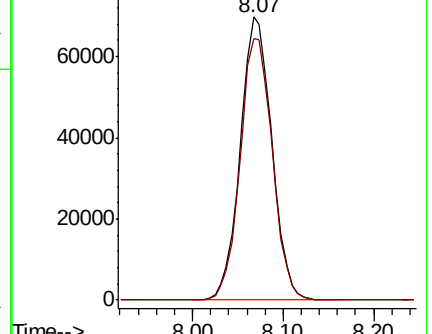
117 100

119 94.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.556 ug/L

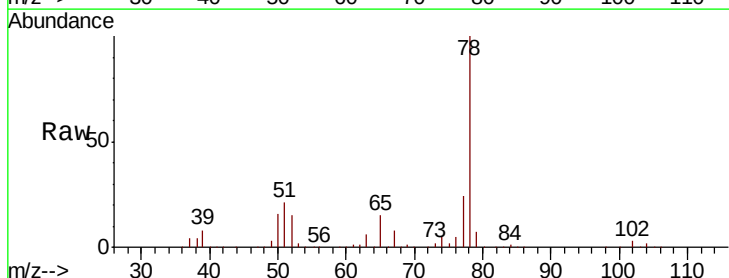
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

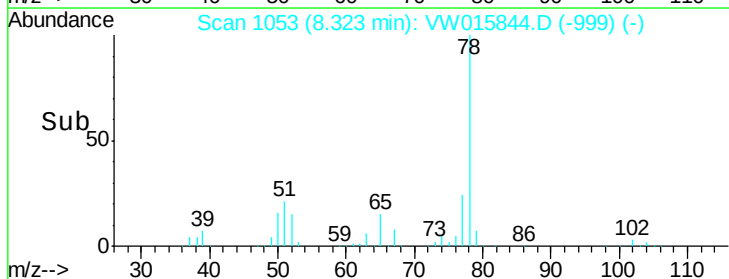
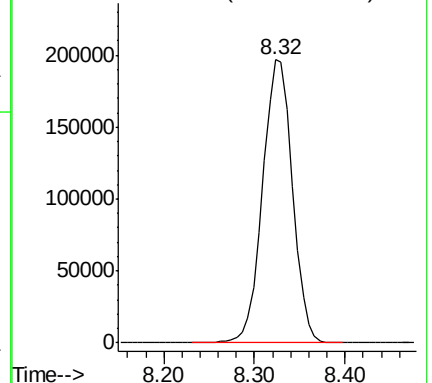
Lab File: VW015844.D

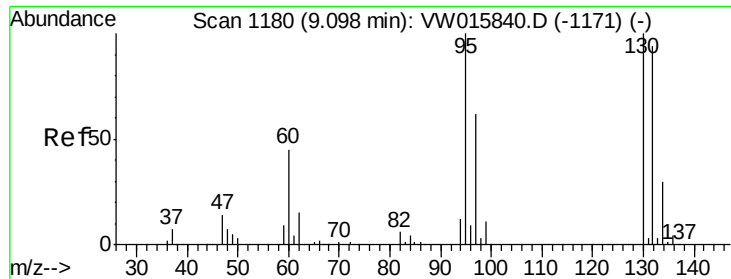
Acq: 13 Jul 2020 13:59

Tgt Ion: 78 Resp: 448570



Abundance Ion 78.00 (77.70 to 78.70): VW

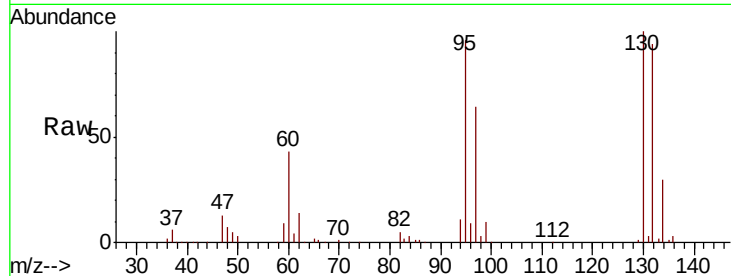




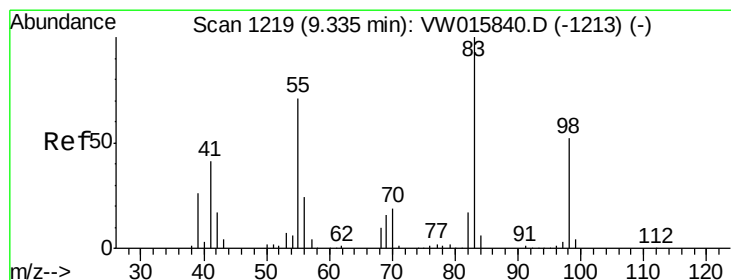
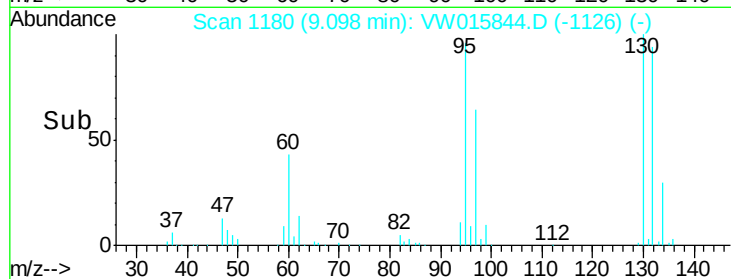
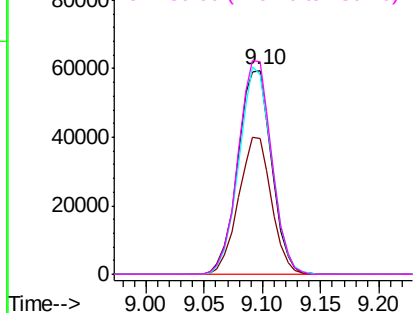
#35
 Trichloroethene
 Concen: 25.311 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion: 95 Resp: 120623
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.6 82.8
 132 98.5 67.0 124.4
 130 103.7 70.1 130.1

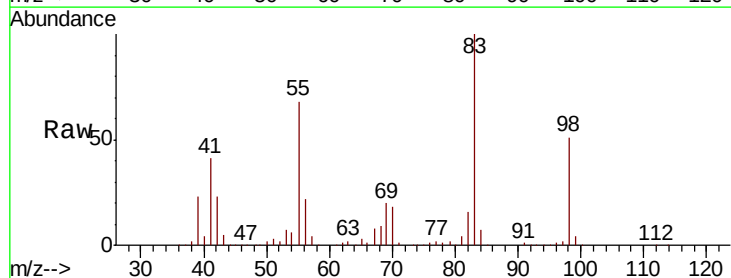


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

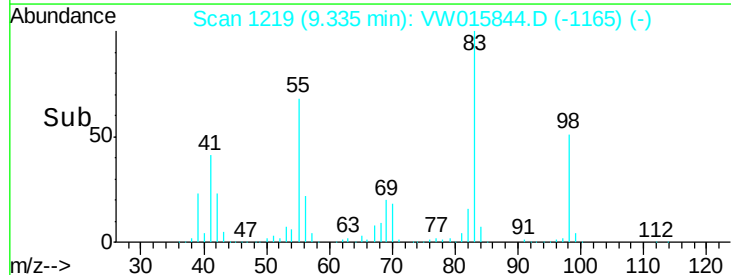
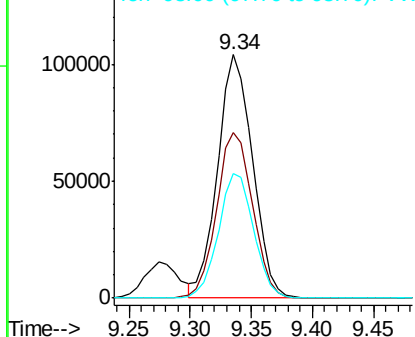


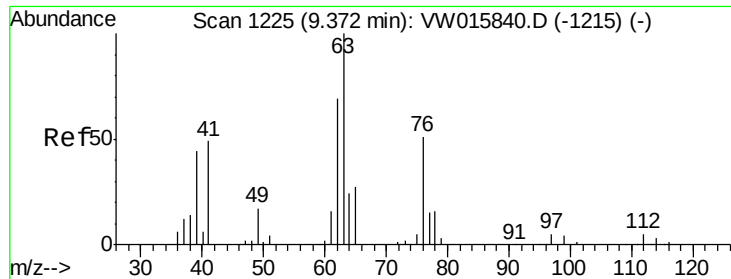
#36
 Methylcyclohexane
 Concen: 25.379 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion: 83 Resp: 207043
 Ion Ratio Lower Upper
 83 100
 55 69.5 55.5 83.3
 98 51.6 40.2 60.4



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

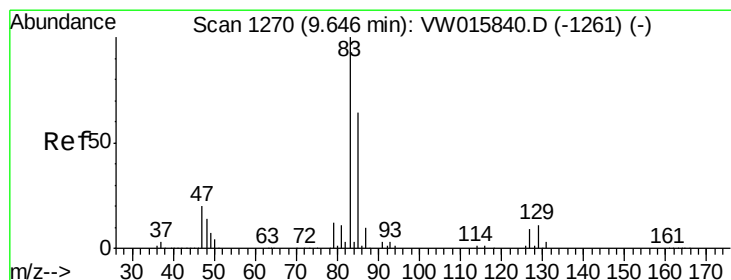
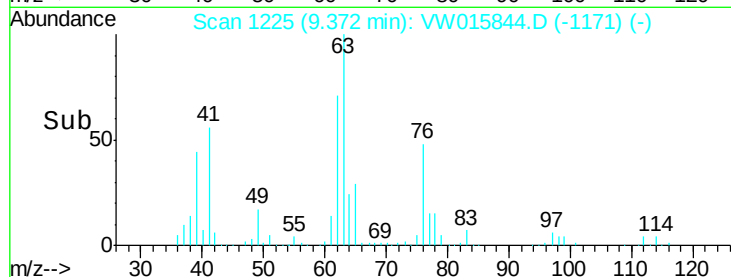
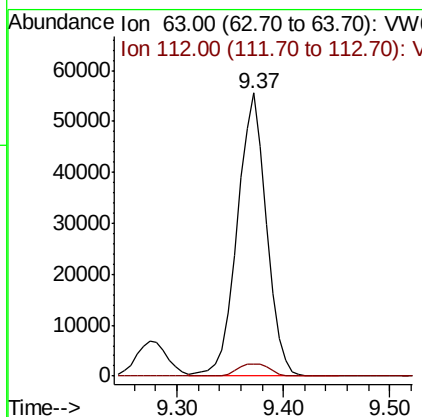
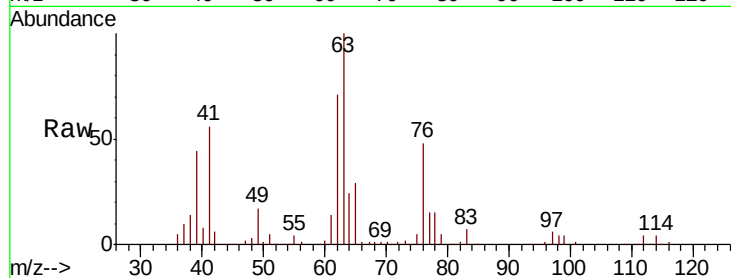




#40
 1,2-Dichloropropane
 Concen: 25.649 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

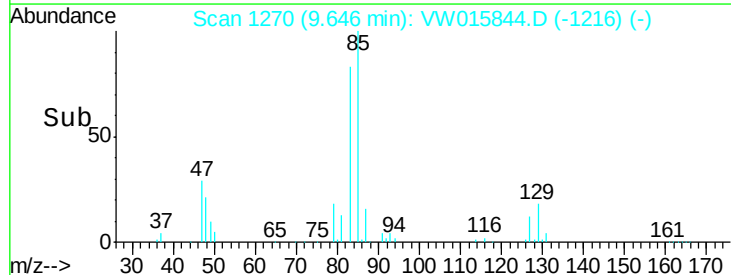
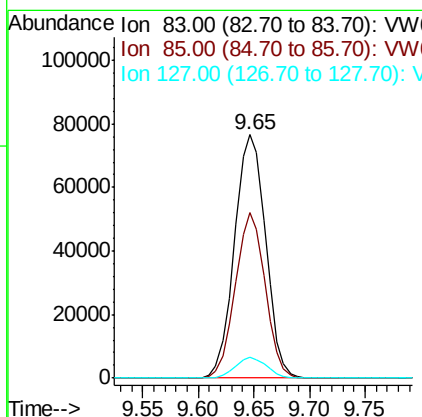
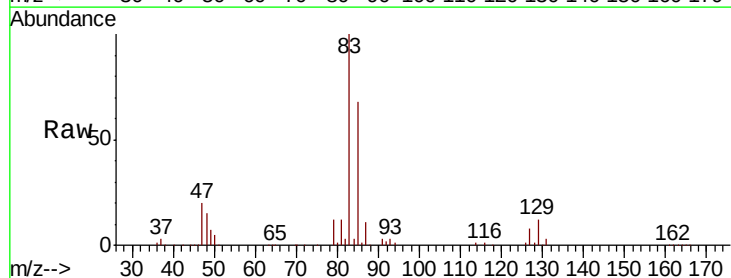
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

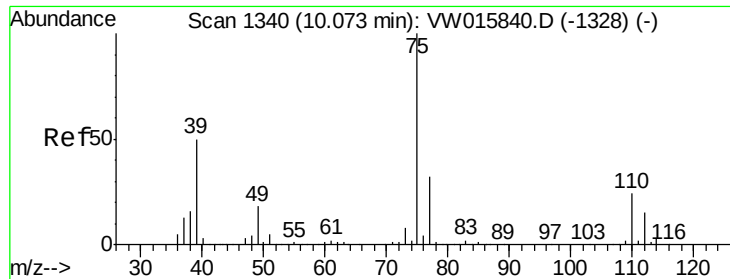
Tot Ion: 63 Resp: 107069
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 26.011 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion: 83 Resp: 148034
 Ion Ratio Lower Upper
 83 100
 85 68.0 44.6 82.8
 127 8.3 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 27.257 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampled :

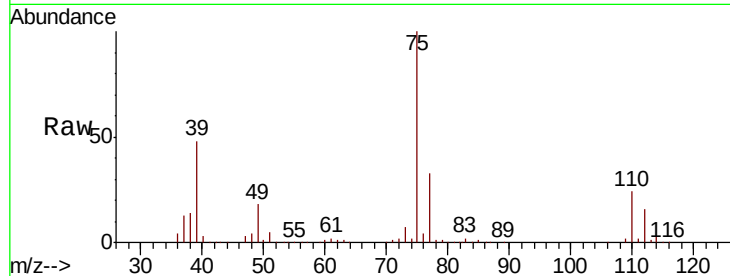
VSTD02524

Tot Ion: 75 Resp: 170850

Ion Ratio Lower Upper

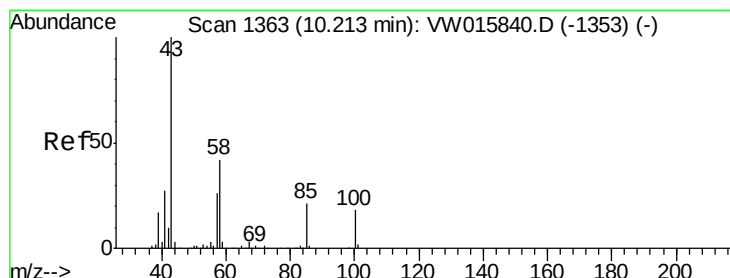
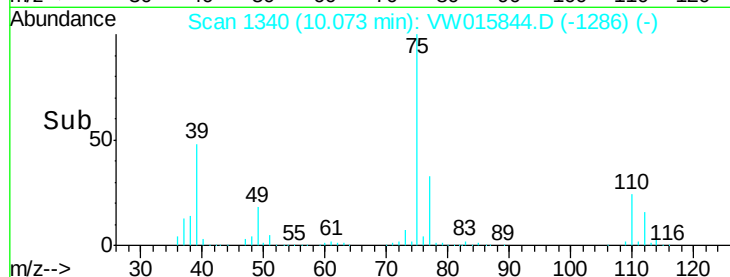
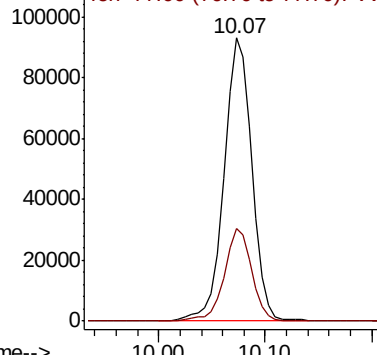
75 100

77 32.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 58.403 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

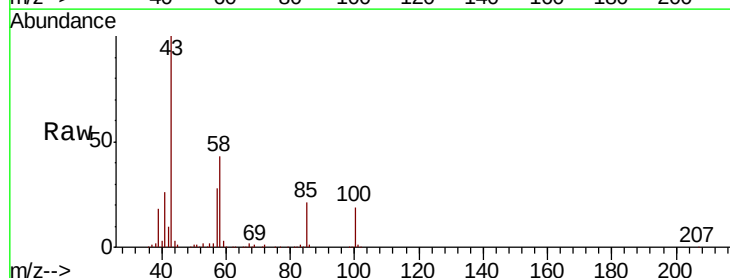
Tgt Ion: 43 Resp: 114628

Ion Ratio Lower Upper

43 100

58 41.0 33.0 49.4

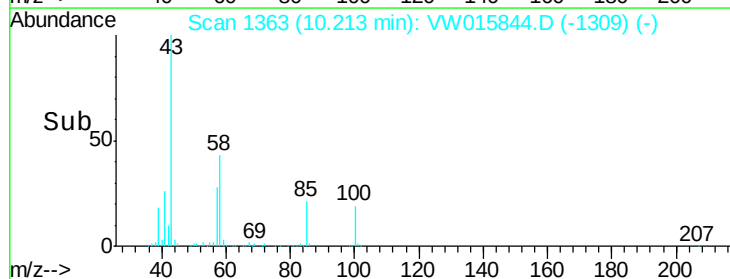
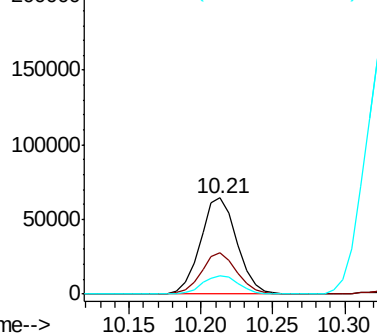
100 19.1 15.0 22.6

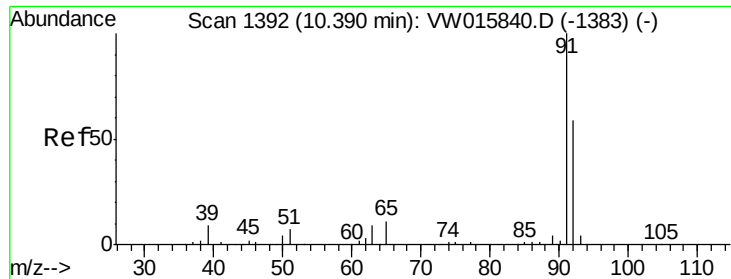


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.127 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

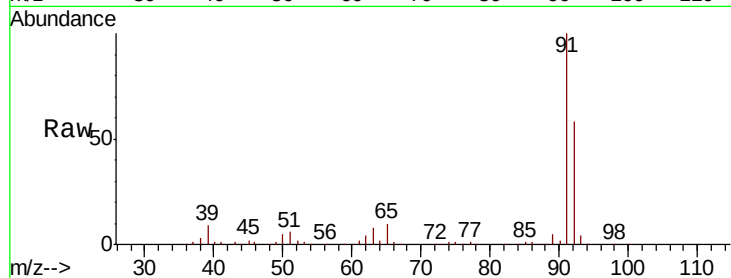
VSTD02524

Tot Ion: 91 Resp: 516183

Ion Ratio Lower Upper

91 100

92 58.1 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

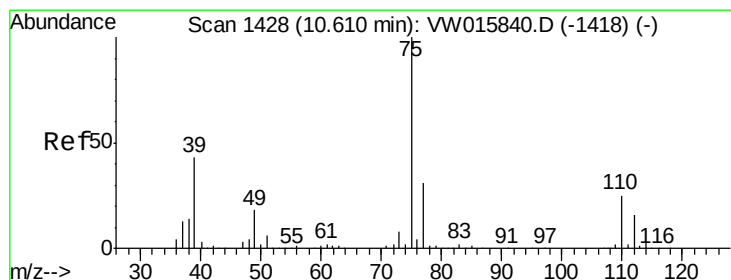
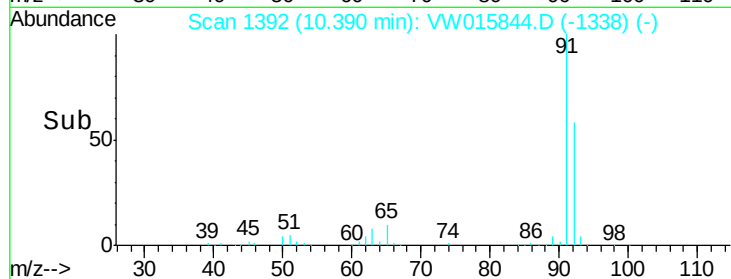
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.166 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015844.D

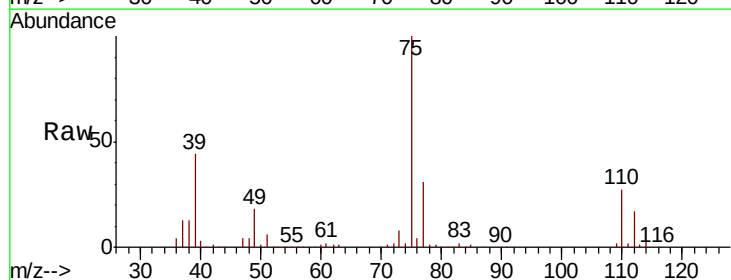
Acq: 13 Jul 2020 13:59

Tgt Ion: 75 Resp: 151466

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

100000

80000

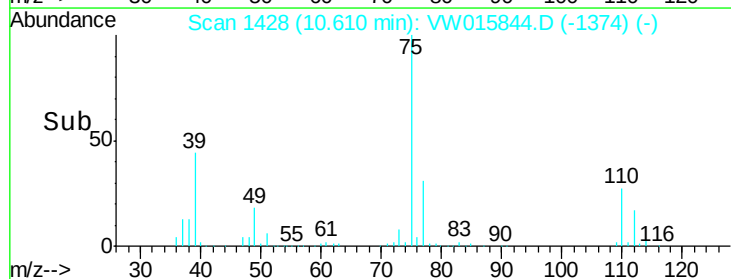
60000

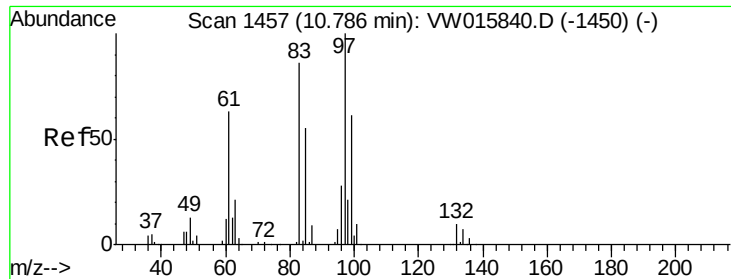
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 26.903 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tot Ion: 97 Resp: 86950

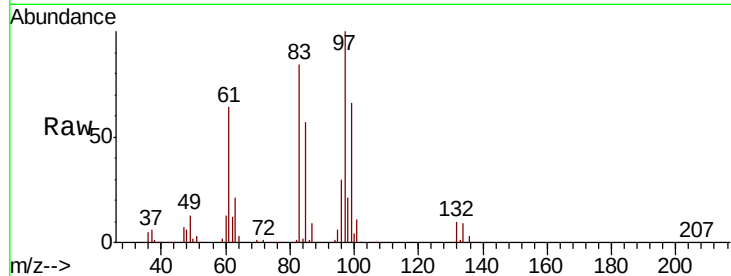
Ion Ratio Lower Upper

97 100

83 84.0 60.3 112.1

85 56.7 38.6 71.6

99 65.8 42.6 79.2



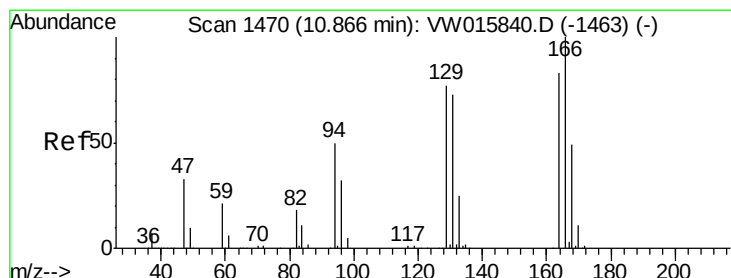
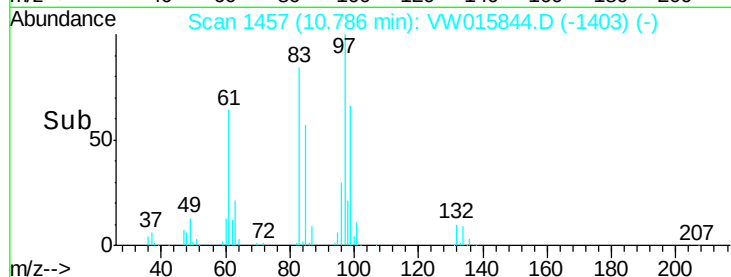
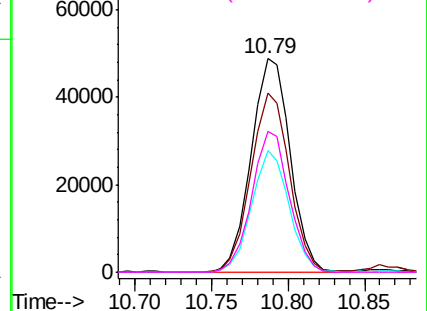
Abundance

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: 25.763 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Tgt Ion: 164 Resp: 99926

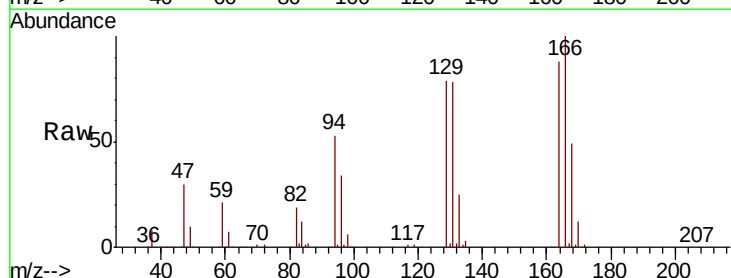
Ion Ratio Lower Upper

164 100

129 89.8 65.1 120.9

131 88.0 62.0 115.2

166 113.2 84.6 157.0



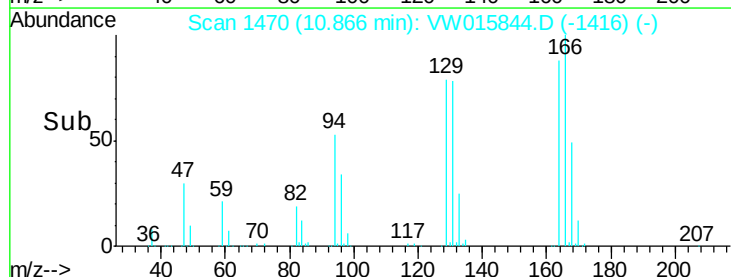
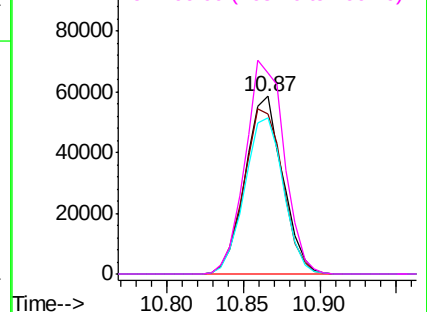
Abundance

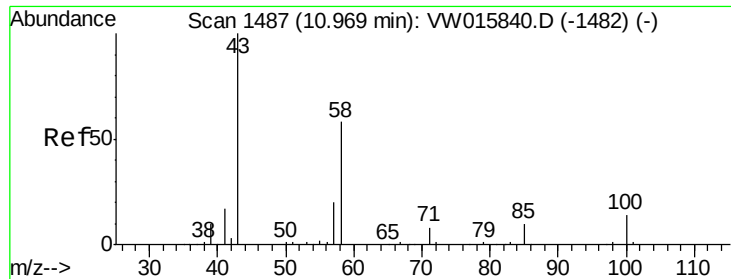
Ion 164.00 (163.70 to 164.70): V

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

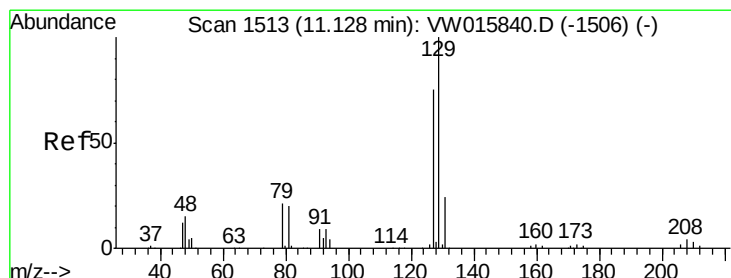
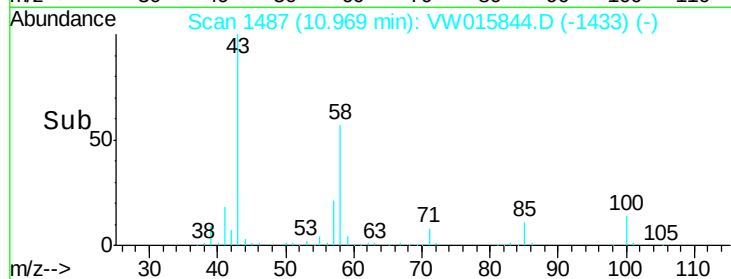
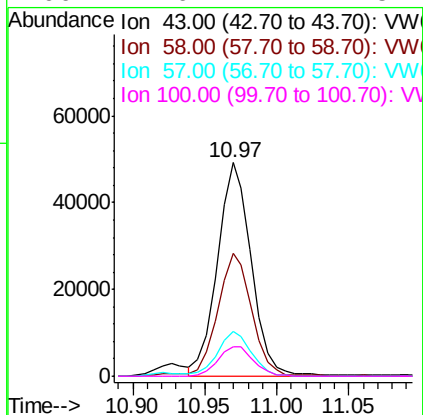
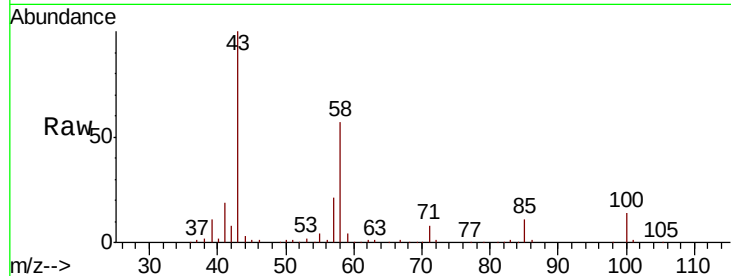




#49
2-Hexanone
Concen: 58.223 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

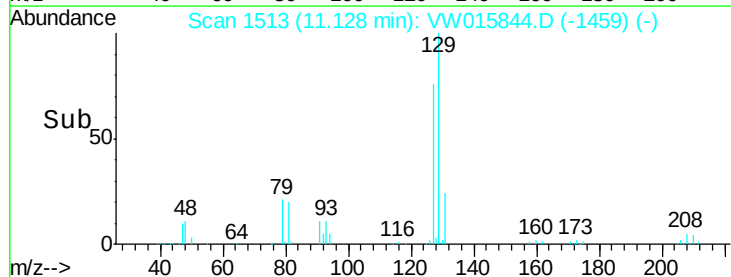
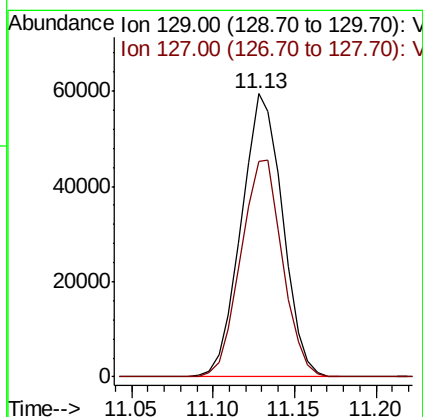
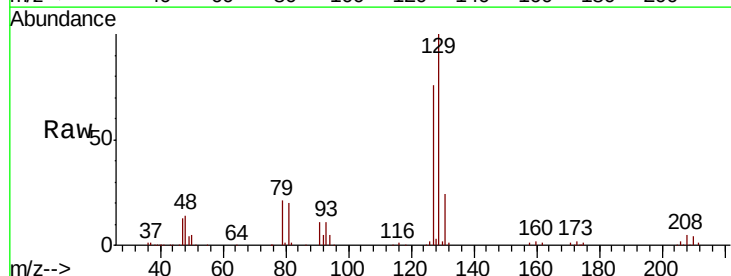
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

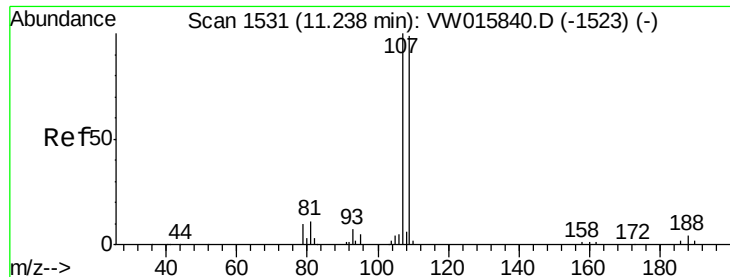
Tot Ion: 43 Resp: 80995
Ion Ratio Lower Upper
43 100
58 57.5 45.8 68.8
57 20.7 16.9 25.3
100 14.6 12.2 18.4



#50
Dibromochloromethane
Concen: 27.134 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015844.D
Acq: 13 Jul 2020 13:59

Tgt Ion: 129 Resp: 105166
Ion Ratio Lower Upper
129 100
127 76.3 52.6 97.6

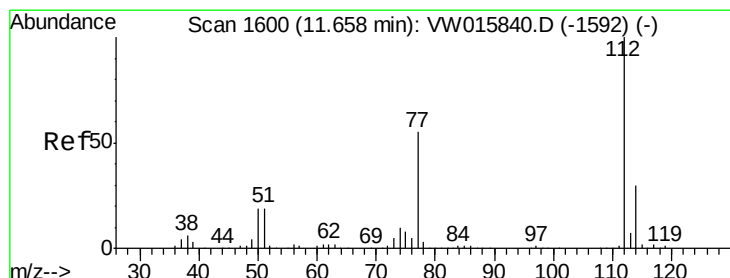
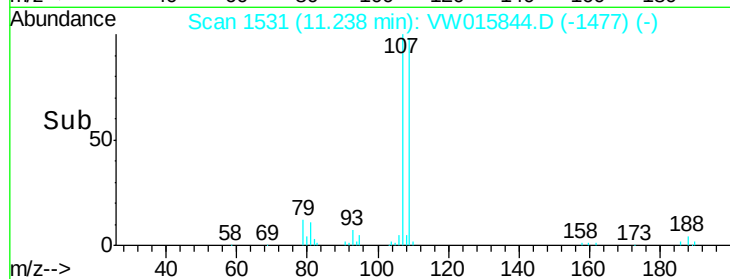
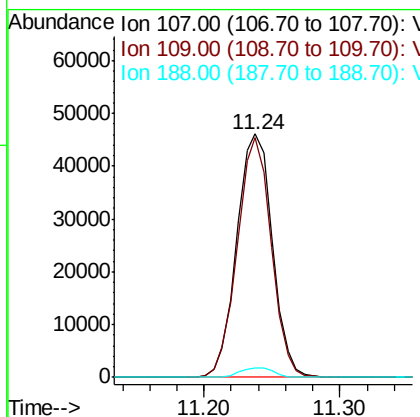
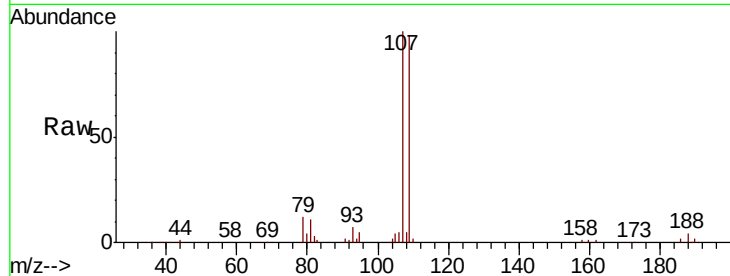




#51
 1,2-Dibromoethane
 Concen: 27.438 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

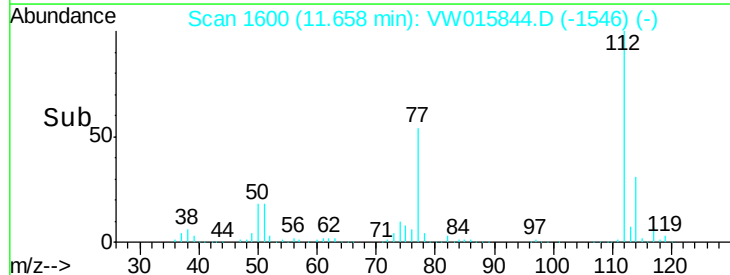
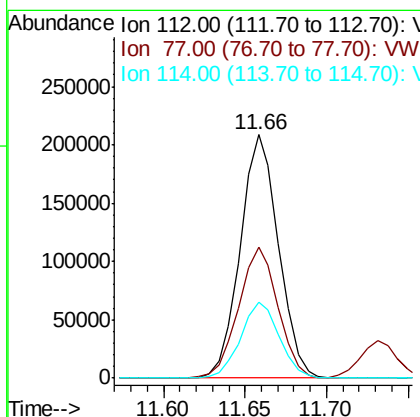
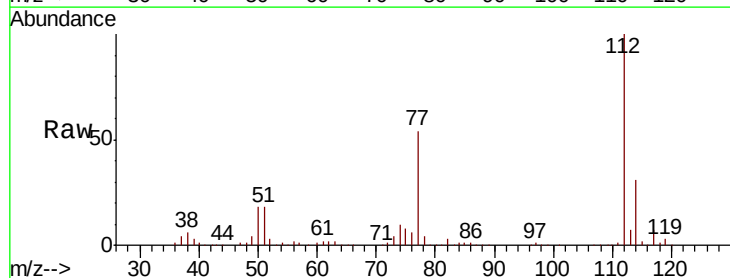
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

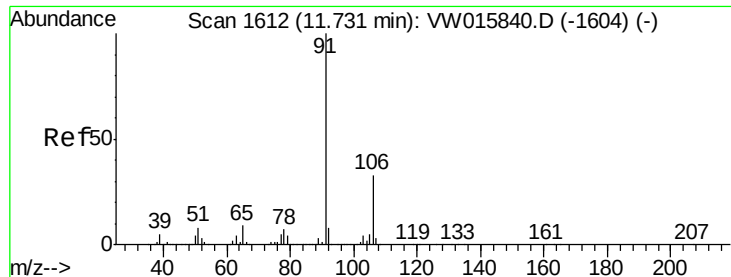
Tot Ion:107 Resp: 84374
 Ion Ratio Lower Upper
 107 100
 109 98.4 69.3 128.7
 188 4.1 3.3 4.9



#52
 Chlorobenzene
 Concen: 26.236 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion:112 Resp: 340497
 Ion Ratio Lower Upper
 112 100
 77 53.8 43.9 65.9
 114 31.2 20.9 38.9





#53

Ethylbenzene

Concen: 25.696 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

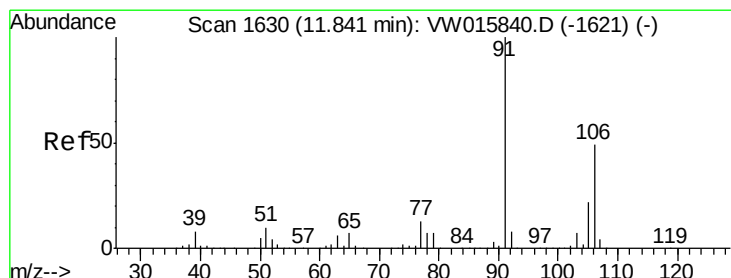
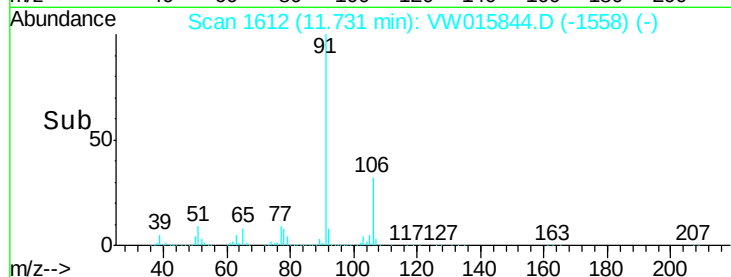
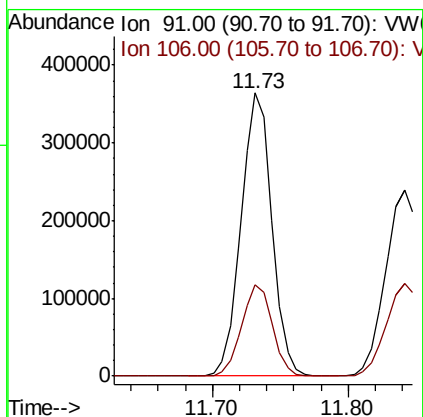
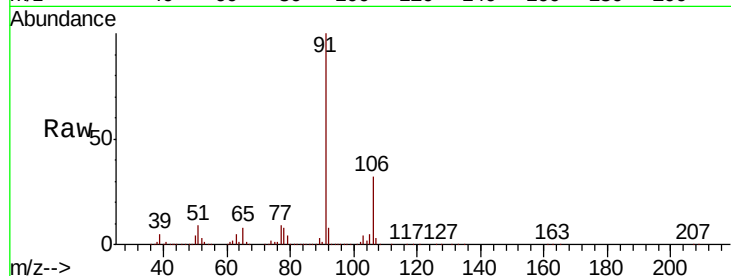
VSTD02524

Tot Ion: 91 Resp: 574962

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.3



#54

m,p-Xylene

Concen: 26.126 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015844.D

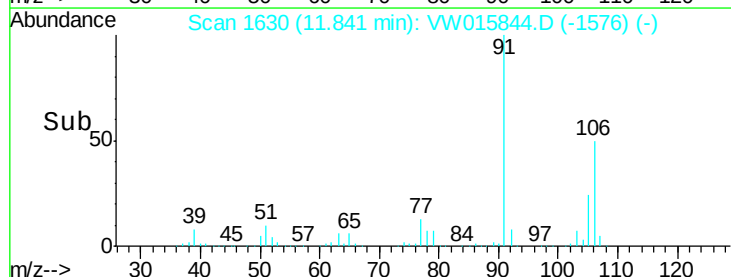
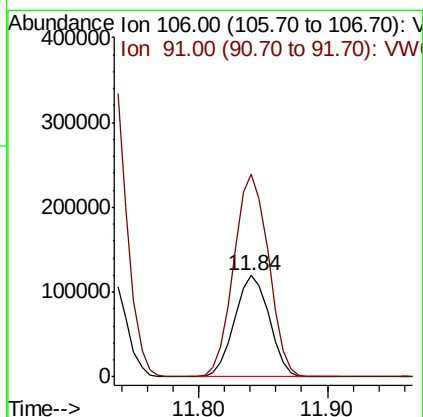
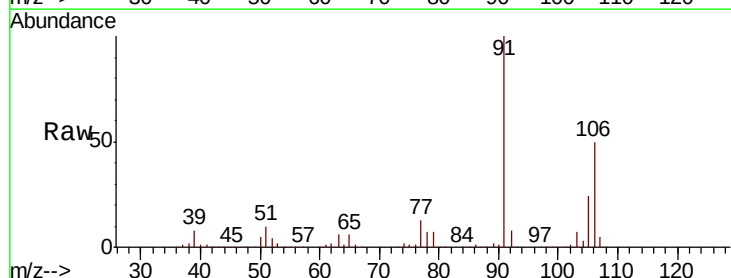
Acq: 13 Jul 2020 13:59

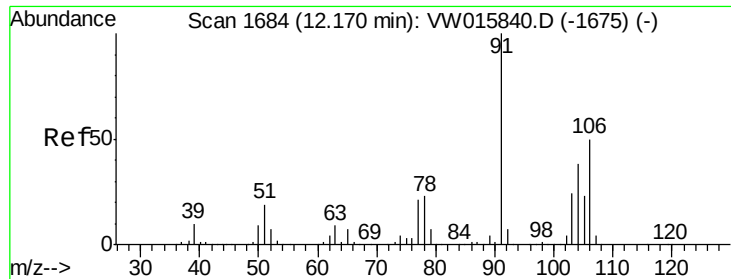
Tgt Ion: 106 Resp: 224316

Ion Ratio Lower Upper

106 100

91 199.9 143.9 267.3





#55

o-xylene

Concen: 26.661 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

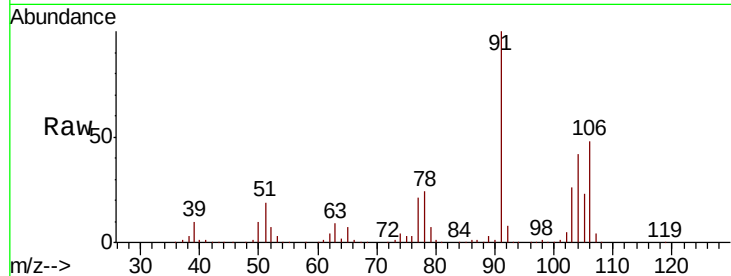
VSTD02524

Tot Ion:106 Resp: 217576

Ion Ratio Lower Upper

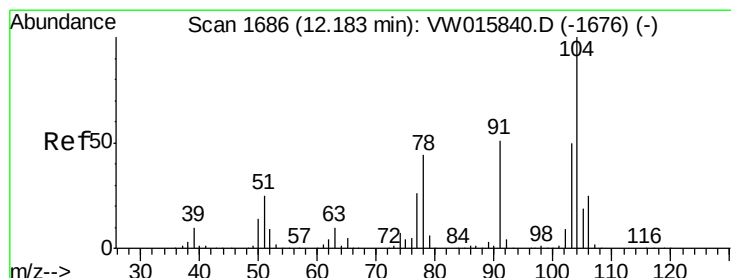
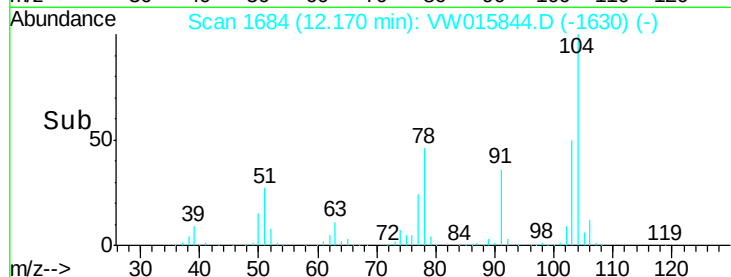
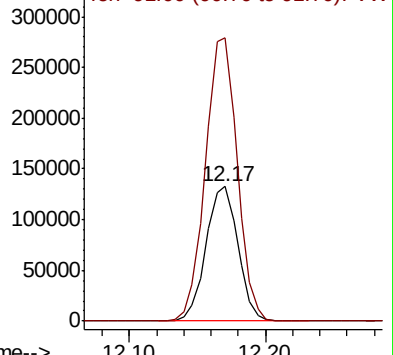
106 100

91 210.2 141.1 262.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.354 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015844.D

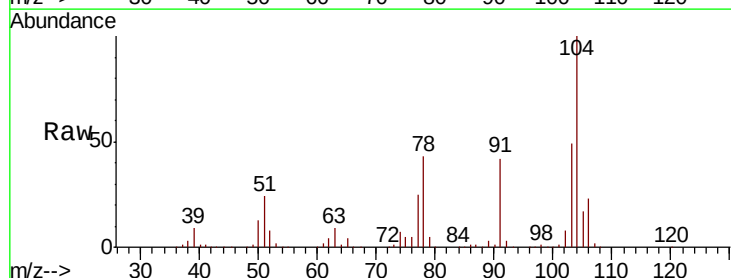
Acq: 13 Jul 2020 13:59

Tgt Ion:104 Resp: 376114

Ion Ratio Lower Upper

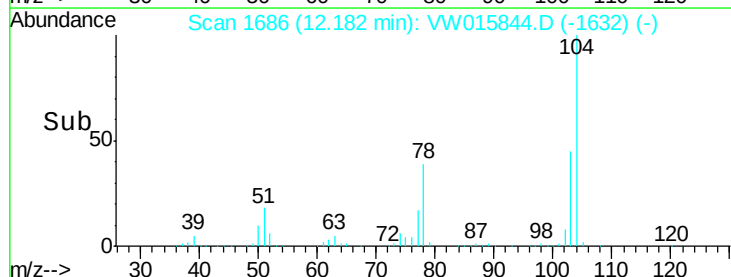
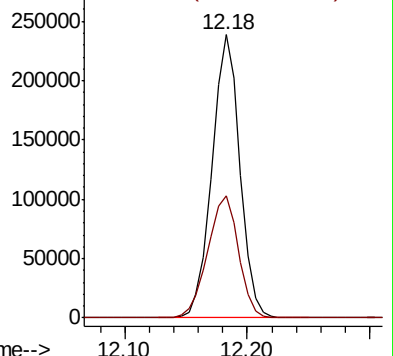
104 100

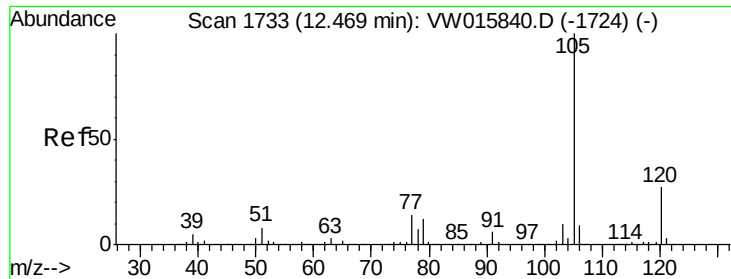
78 43.1 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.616 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

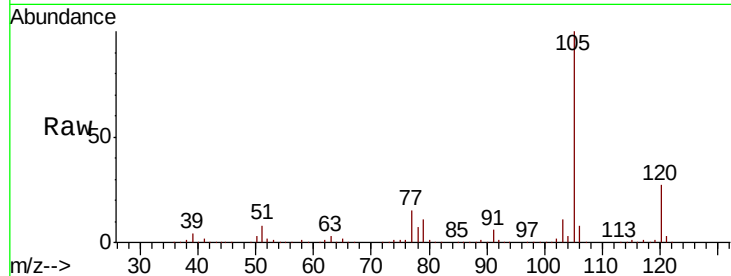
Tot Ion:105 Resp: 595770

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

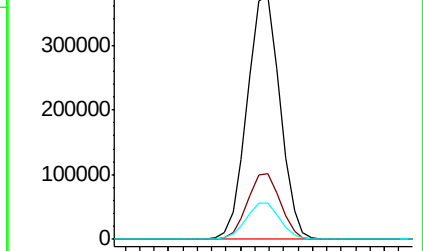
77 15.2 12.2 18.2



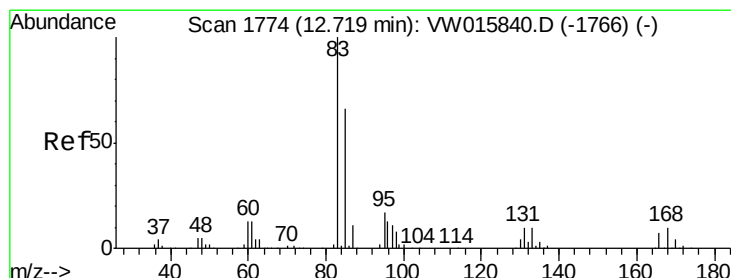
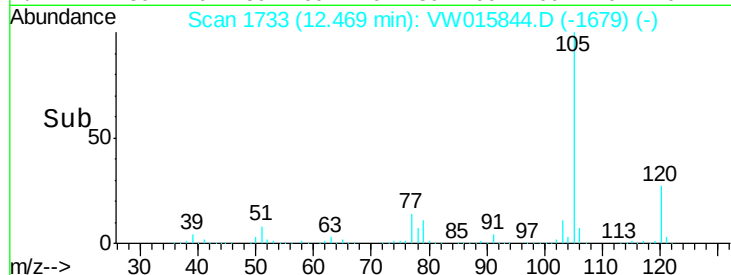
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 28.139 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

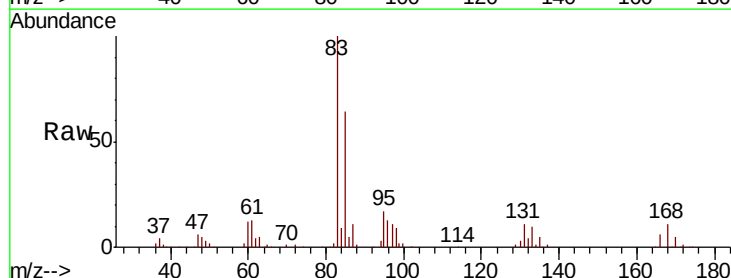
Tgt Ion: 83 Resp: 103654

Ion Ratio Lower Upper

83 100

85 64.0 46.2 85.8

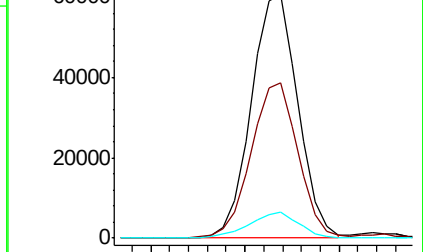
131 10.6 8.1 12.1



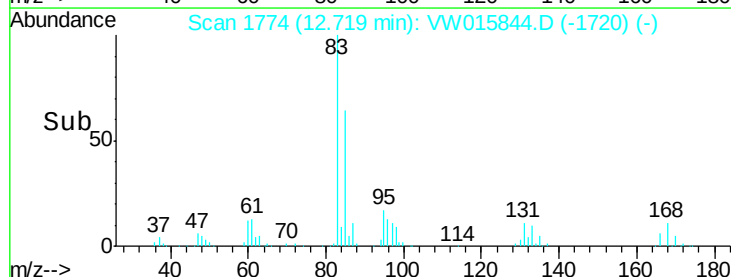
Abundance Ion 83.00 (82.70 to 83.70): V

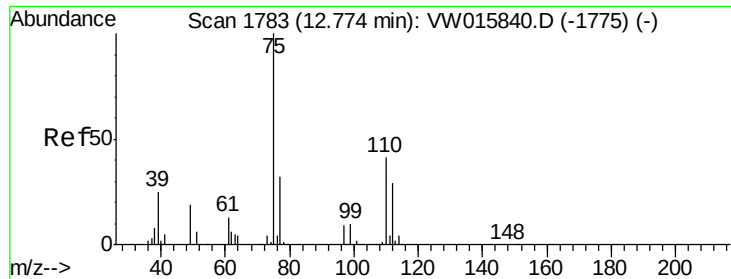
Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V



Time-->

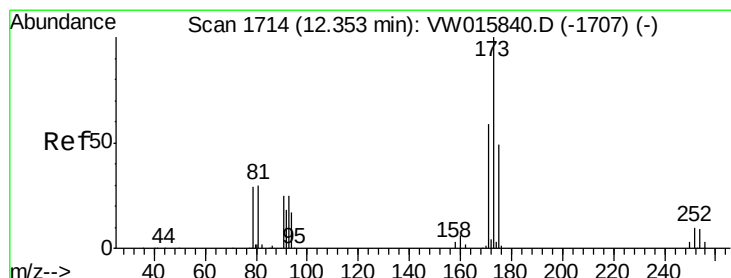
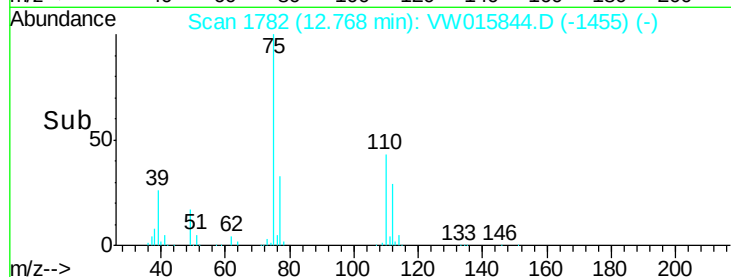
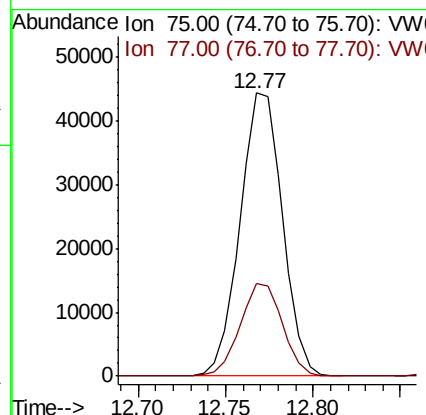
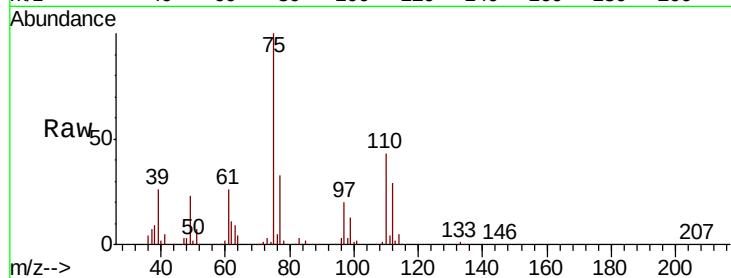




#59
 1,2,3-Trichloropropane
 Concen: 27.792 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

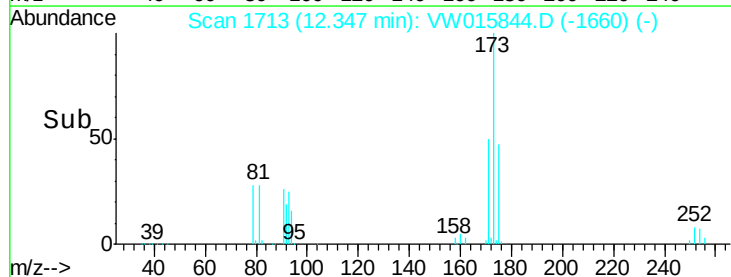
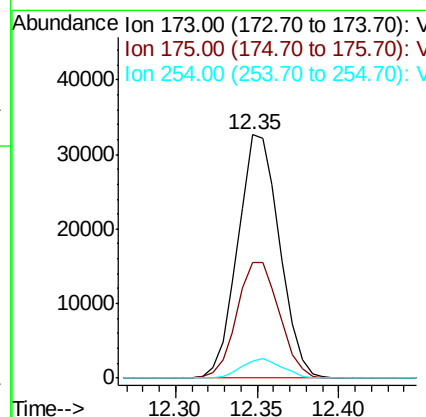
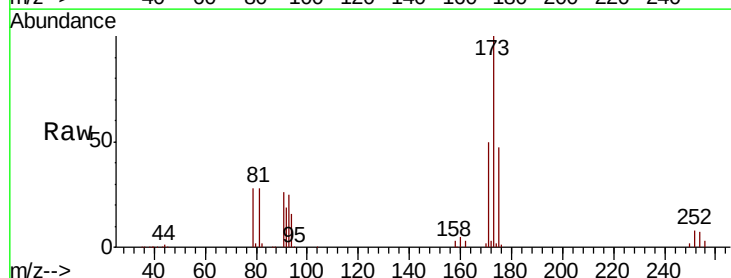
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

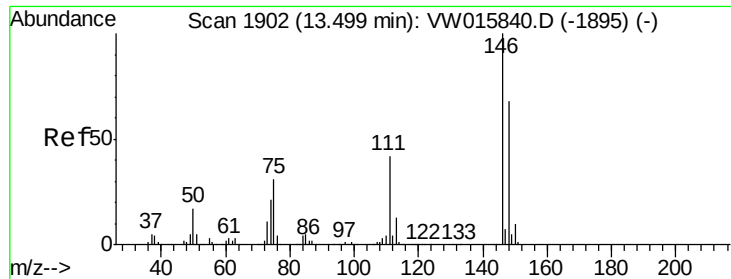
Tot Ion: 75 Resp: 75197
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#62
 Bromoform
 Concen: 26.840 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion: 173 Resp: 58196
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.2 57.4
 254 7.8 6.6 9.8

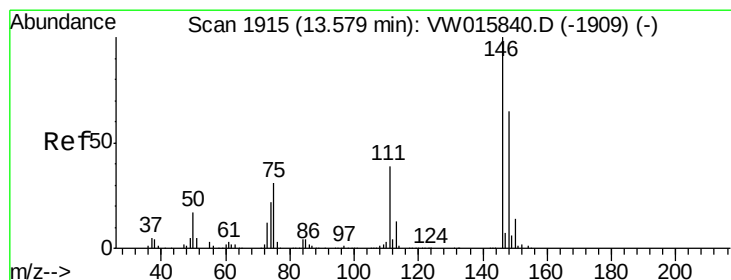
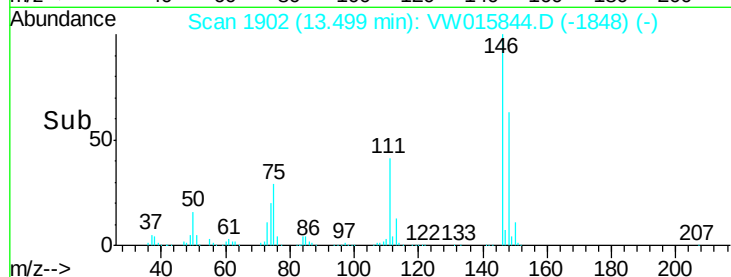
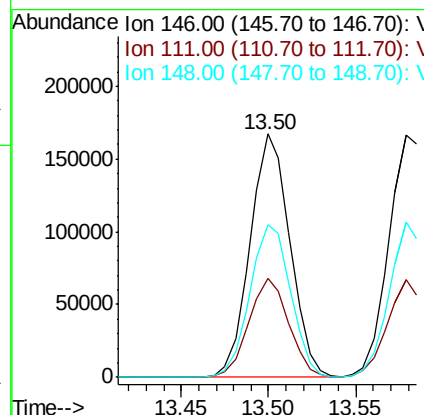
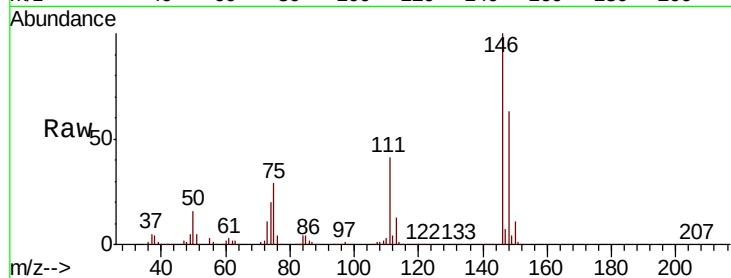




#63
 1,3-Dichlorobenzene
 Concen: 26.184 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

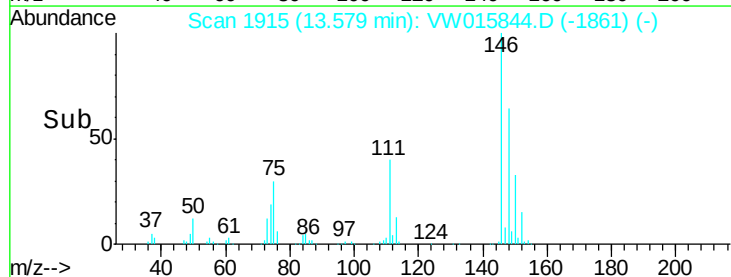
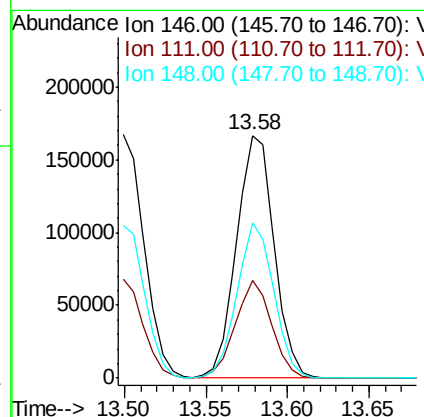
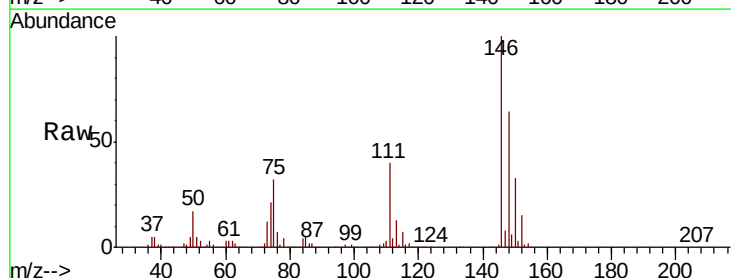
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

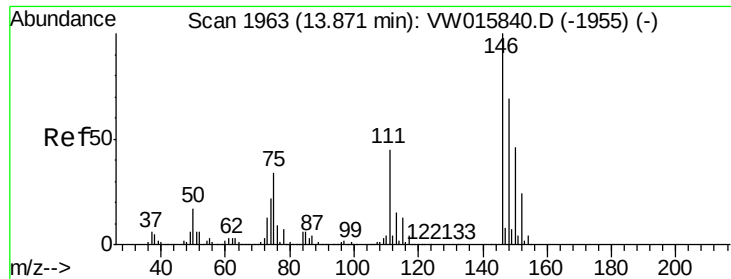
Tot Ion:146 Resp: 264712
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.2 54.2
 148 62.7 47.7 88.7



#64
 1,4-Dichlorobenzene
 Concen: 26.193 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion:146 Resp: 268242
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.6 51.2
 148 64.0 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 26.617 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

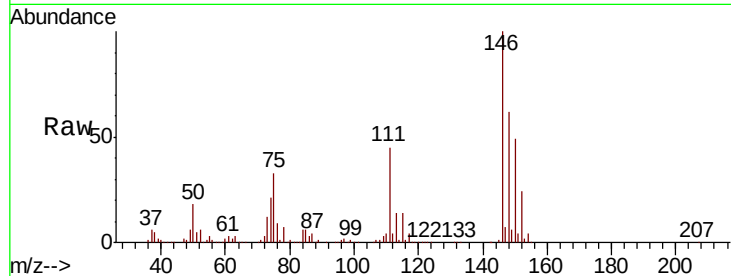
Tot Ion:146 Resp: 243823

Ion Ratio Lower Upper

146 100

111 45.0 36.2 54.4

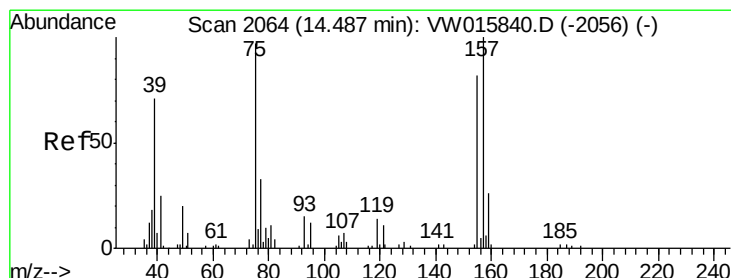
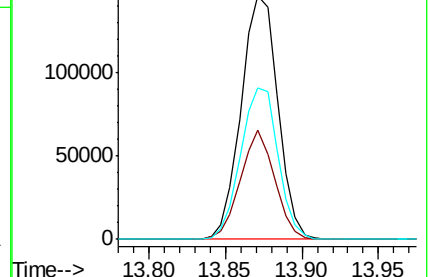
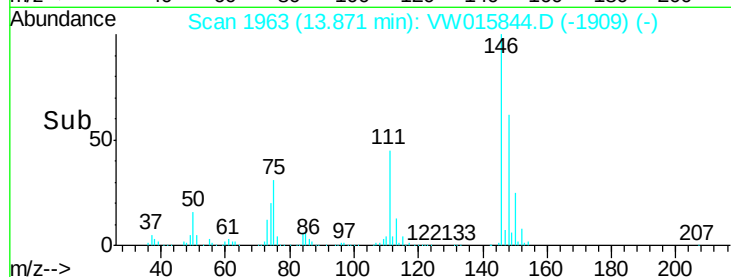
148 62.4 55.1 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 28.755 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

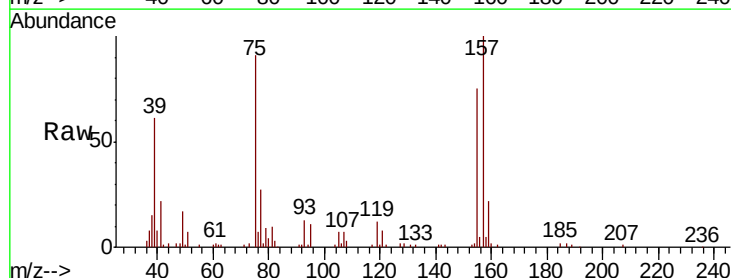
Tgt Ion: 75 Resp: 16285

Ion Ratio Lower Upper

75 100

157 109.3 82.2 123.2

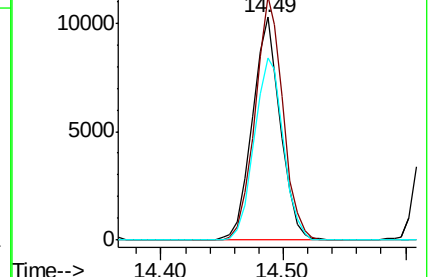
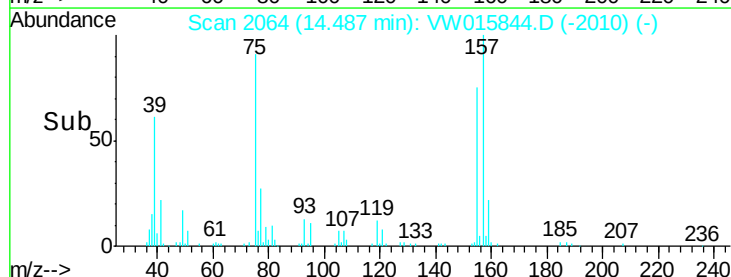
155 81.9 67.7 101.5

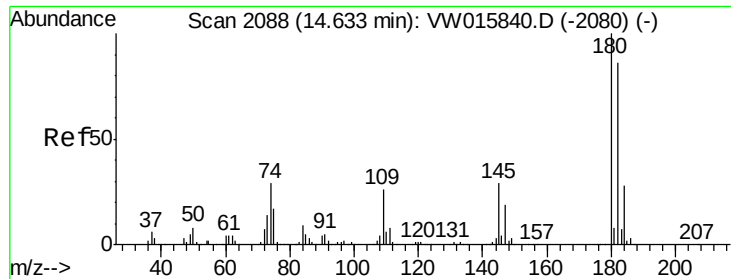


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

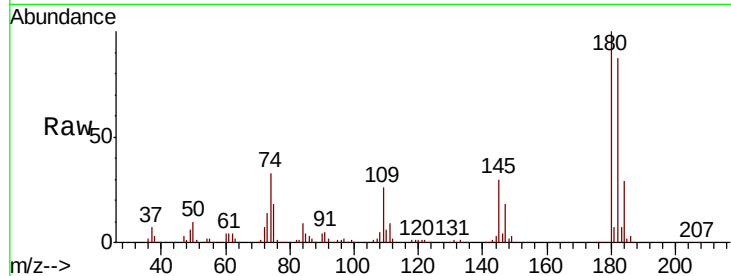




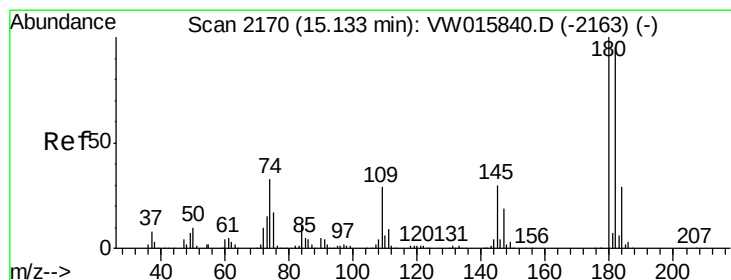
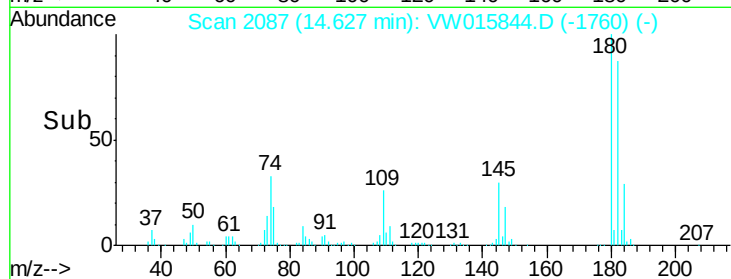
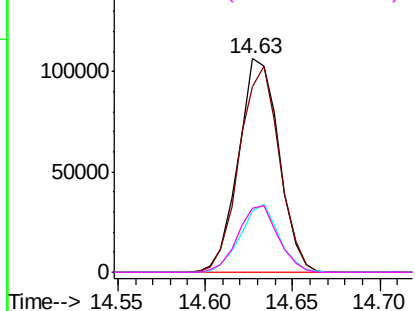
#67
 1,3,5-Trichlorobenzene
 Concen: 25.465 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion:180	Resp:	171620
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.3 112.9
184	30.2	22.8 34.2
145	30.7	24.6 37.0

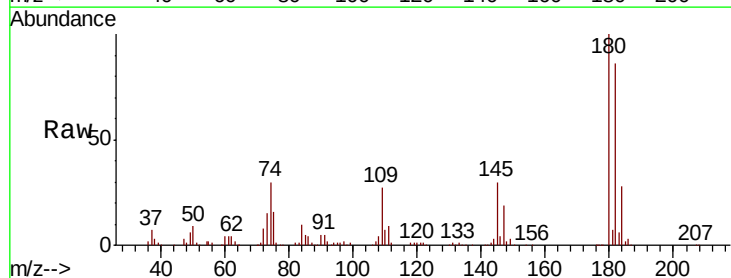


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

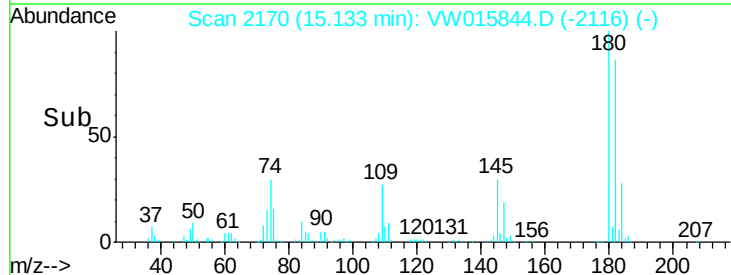
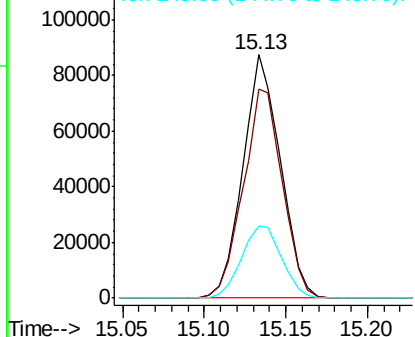


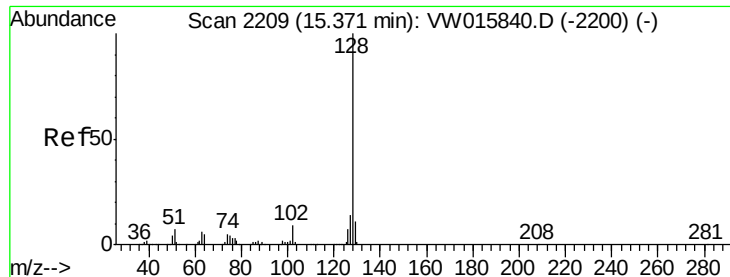
#68
 1,2,4-trichlorobenzene
 Concen: 26.607 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015844.D
 Acq: 13 Jul 2020 13:59

Tgt Ion:180	Resp:	140019
Ion Ratio	Lower	Upper
180	100	
182	89.7	75.2 112.8
145	31.7	25.0 37.4



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





#69

Naphthalene

Concen: 29.212 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

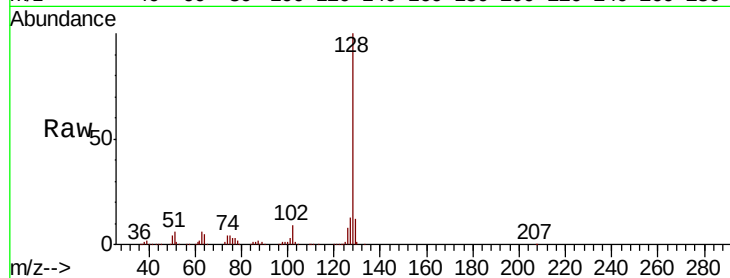
Tot Ion:128 Resp: 273881

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

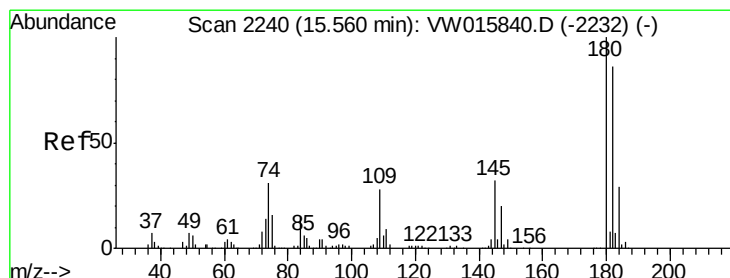
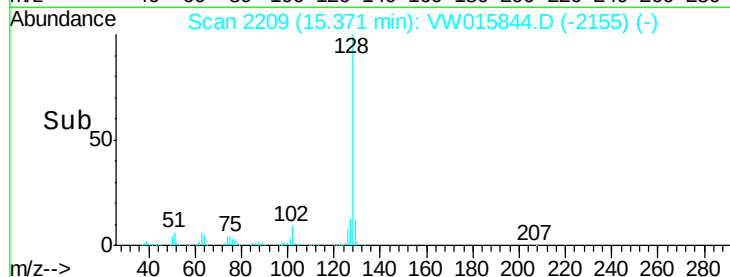
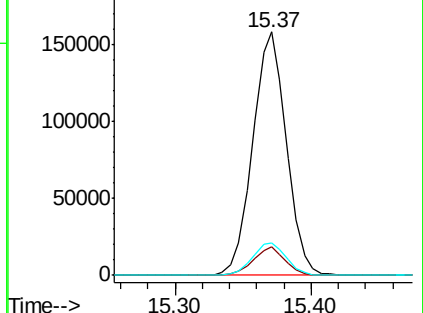
127 13.4 10.7 16.1



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: 25.811 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015844.D

Acq: 13 Jul 2020 13:59

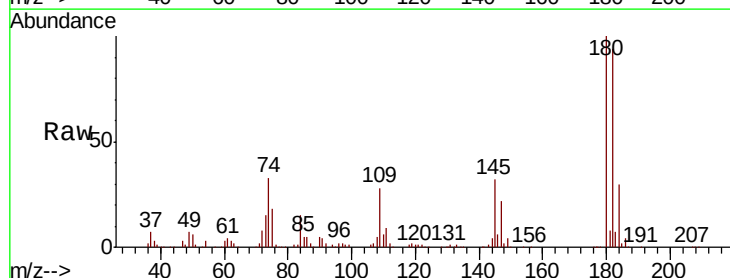
Tgt Ion:180 Resp: 121190

Ion Ratio Lower Upper

180 100

182 94.3 73.1 109.7

145 34.1 26.6 40.0



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

