

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100720\
 Data File : VW016799.D
 Acq On : 06 Oct 2020 16:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Oct 07 02:59:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 06 16:10:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	566563	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	505137	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	254674	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136486	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
7) Chloroethane-d5	2.89	69	112803	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.24%
10) 1,1-Dichloroethene-d2	4.03	63	291843	24.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.36%
20) 2-Butanone-d5	7.09	46	56819	44.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.76%
24) Chloroform-d	7.65	84	290757	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	8.31	65	140821	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	8.27	84	570759	24.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.52%
33) 1,2-Dichloropropane-d6	9.27	67	153529	24.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.60%
37) Toluene-d8	10.32	98	541891	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.12%
38) trans-1,3-Dichloropropene-	10.58	79	67823	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.76%
39) 2-Hexanone-d5	10.93	63	48902	51.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121987	24.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	201745	24.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	161658	23.872	ug/L 96
3) Chloromethane	2.21	50	149680	25.075	ug/L 95
5) Vinyl chloride	2.37	62	198930	25.670	ug/L 100
6) Bromomethane	2.78	94	143131	25.123	ug/L 98
8) Chloroethane	2.93	64	120508	25.195	ug/L 99
9) Trichlorofluoromethane	3.26	101	140423	23.452	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	191324	25.082	ug/L 98
12) 1,1-Dichloroethene	4.04	96	183498	25.050	ug/L 97
13) Acetone	4.14	43	44659	46.616	ug/L 95
14) Carbon disulfide	4.39	76	533452	25.397	ug/L 99
15) Methyl Acetate	4.68	43	56325	24.607	ug/L 100
16) Methylene chloride	4.92	84	179482	22.955	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	212290	25.898	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	193015	25.222	ug/L 96
19) 1,1-Dichloroethane	6.21	63	299046	25.376	ug/L 99
21) 2-Butanone	7.18	43	71384	44.386	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	197992	25.356	ug/L 95

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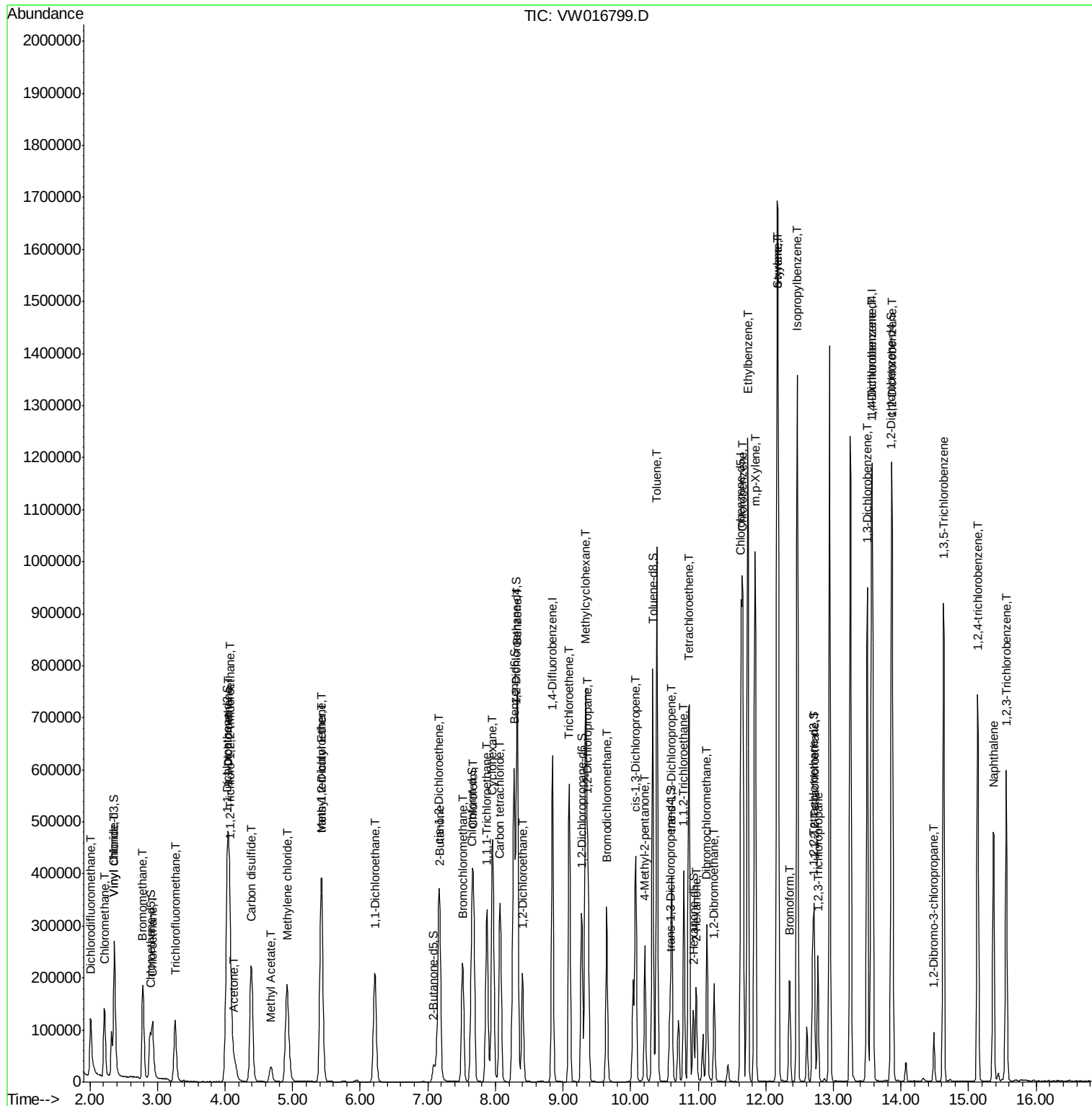
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91751	25.022	ug/L	98
25) Chloroform	7.68	83	325058	25.542	ug/L	98
27) 1,2-Dichloroethane	8.40	62	192036	25.225	ug/L	100
30) Cyclohexane	7.96	56	271218	25.891	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	279285	25.999	ug/L	99
32) Carbon tetrachloride	8.07	117	274657	26.201	ug/L	99
34) Benzene	8.32	78	708578	26.121	ug/L	100
35) Trichloroethene	9.09	95	197433	25.731	ug/L	100
36) Methylcyclohexane	9.34	83	332616	25.781	ug/L	99
40) 1,2-Dichloropropane	9.37	63	160383	26.147	ug/L	99
41) Bromodichloromethane	9.65	83	223169	25.898	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	257239	26.303	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	157442	50.984	ug/L	99
44) Toluene	10.39	91	774774	25.746	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	223761	27.190	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	132247	26.522	ug/L	98
47) Tetrachloroethene	10.87	164	179684	25.259	ug/L	94
49) 2-Hexanone	10.97	43	106562	52.280	ug/L	98
50) Dibromochloromethane	11.13	129	165188	26.648	ug/L	98
51) 1,2-Dibromoethane	11.24	107	128707	26.266	ug/L	91
52) Chlorobenzene	11.66	112	515920	25.546	ug/L	99
53) Ethylbenzene	11.73	91	887124	26.279	ug/L	97
54) m,p-Xylene	11.84	106	343646	26.174	ug/L	94
55) o-xylene	12.16	106	327864	26.137	ug/L	97
56) Styrene	12.18	104	554384	26.782	ug/L	99
57) Isopropylbenzene	12.46	105	892936	25.995	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	142781	25.910	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	100459	25.165	ug/L	98
62) Bromoform	12.35	173	95708	26.715	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	415860	25.658	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	406004	25.047	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	370704	25.545	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22116	25.124	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	312610	25.948	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	255195	25.789	ug/L	98
69) Naphthalene	15.37	128	441025	26.914	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	223727	26.311	ug/L	99

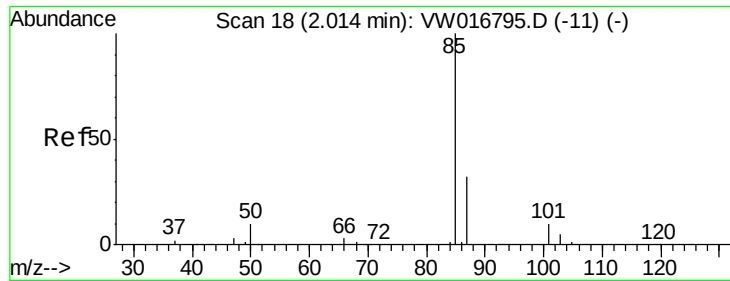
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.872 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

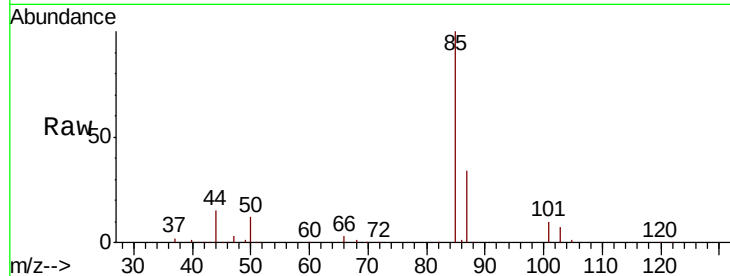
VSTD02519

Tot Ion: 85 Resp: 161658

Ion Ratio Lower Upper

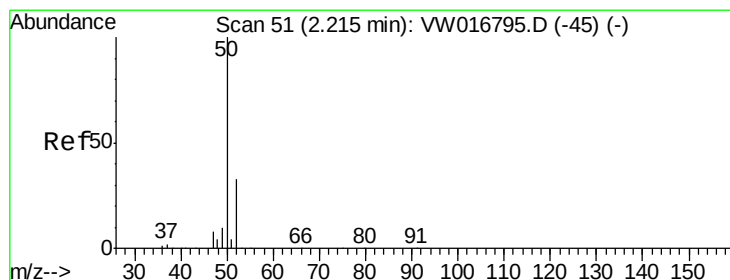
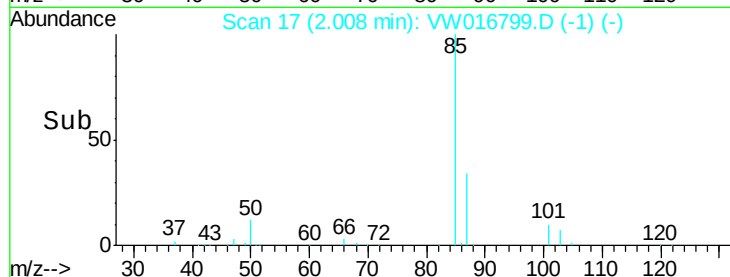
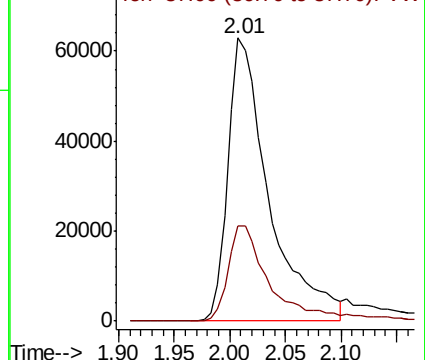
85 100

87 31.3 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.075 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016799.D

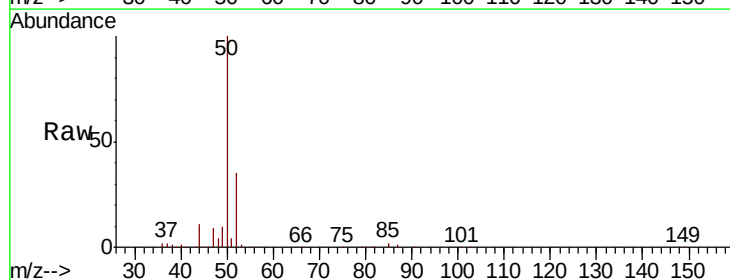
Acq: 06 Oct 2020 16:56

Tgt Ion: 50 Resp: 149680

Ion Ratio Lower Upper

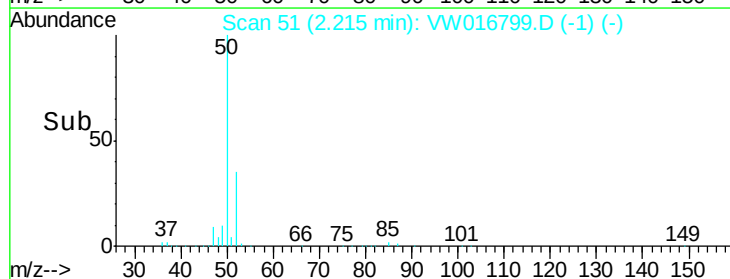
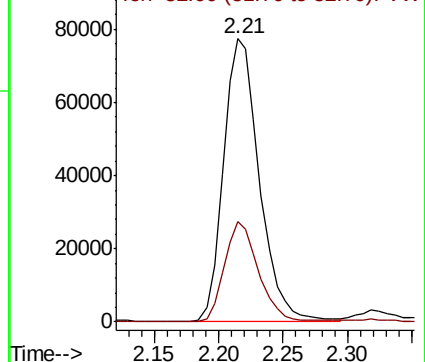
50 100

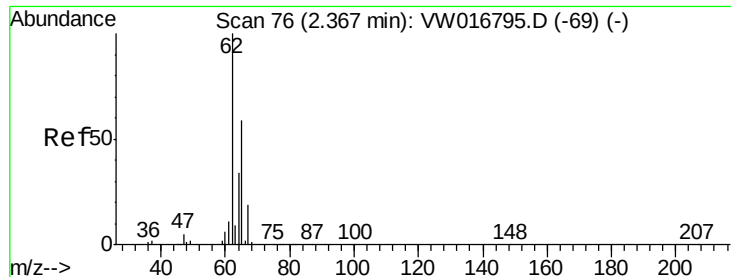
52 35.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.670 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

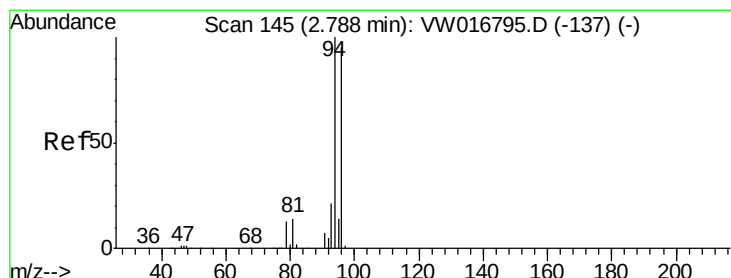
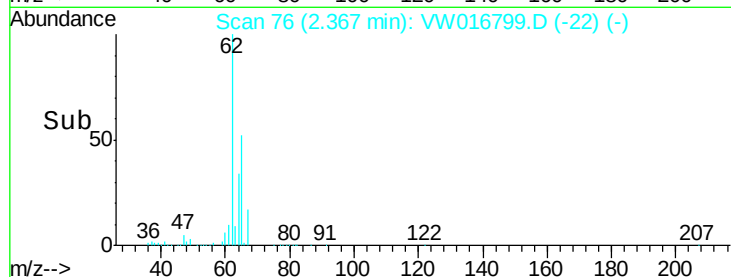
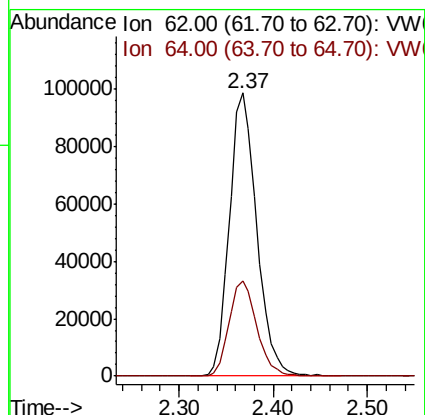
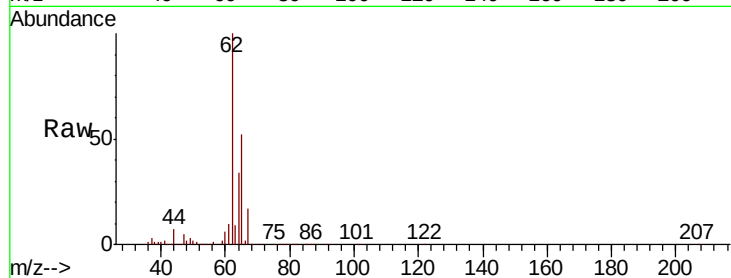
VSTD02519

Tot Ion: 62 Resp: 198930

Ion Ratio Lower Upper

62 100

64 33.8 23.5 43.7



#6

Bromomethane

Concen: 25.123 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016799.D

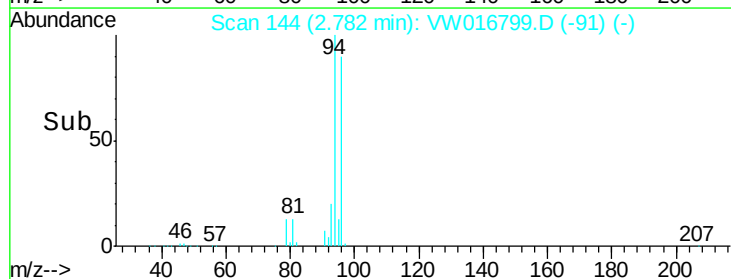
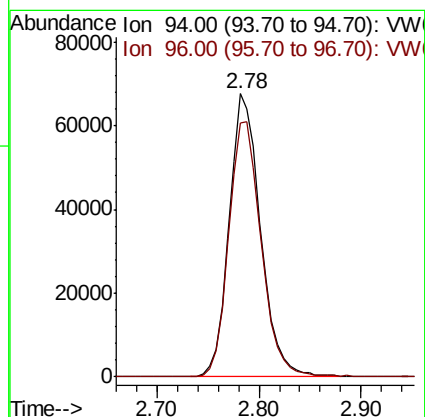
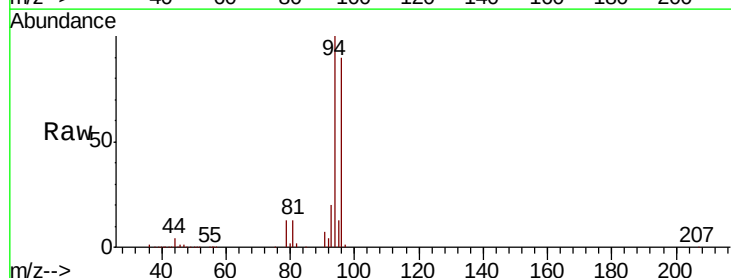
Acq: 06 Oct 2020 16:56

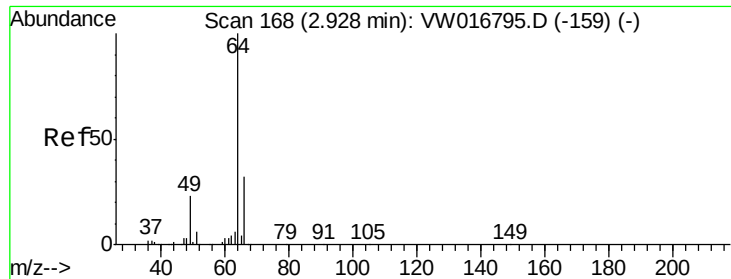
Tgt Ion: 94 Resp: 143131

Ion Ratio Lower Upper

94 100

96 93.3 9.5 180.7





#8

Chloroethane

Concen: 25.195 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

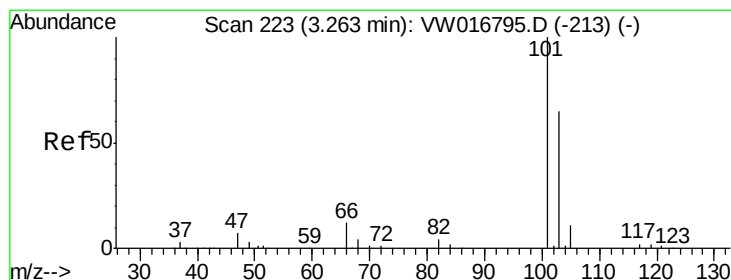
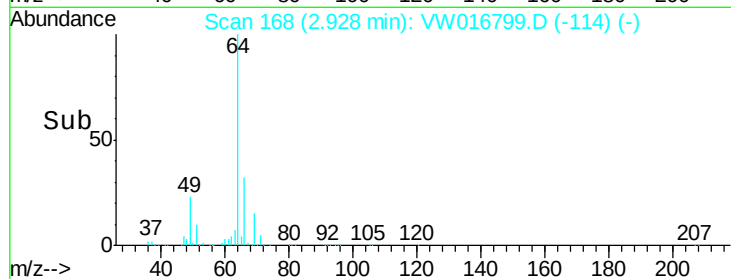
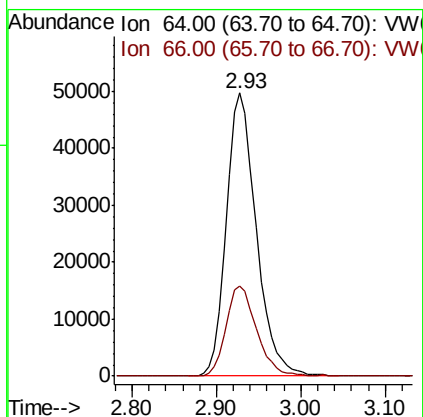
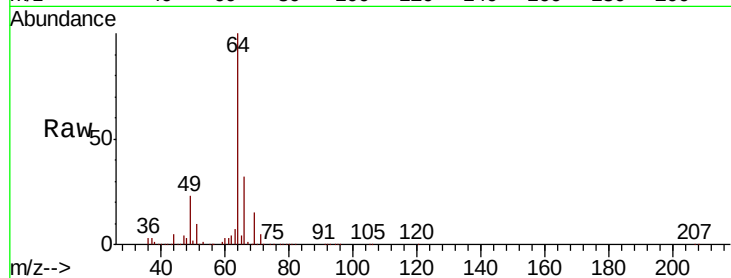
VSTD02519

Tot Ion: 64 Resp: 120508

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.7



#9

Trichlorofluoromethane

Concen: 23.452 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016799.D

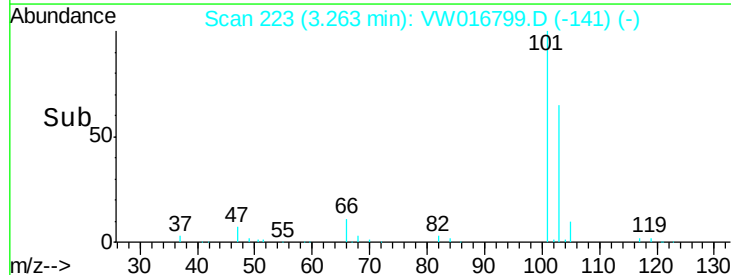
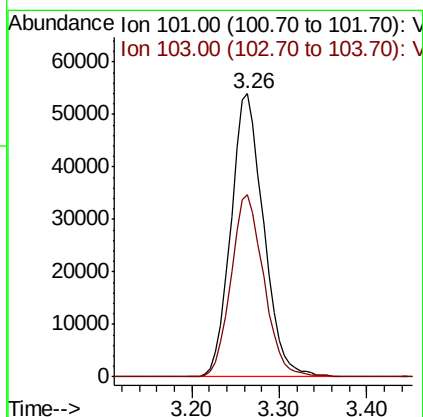
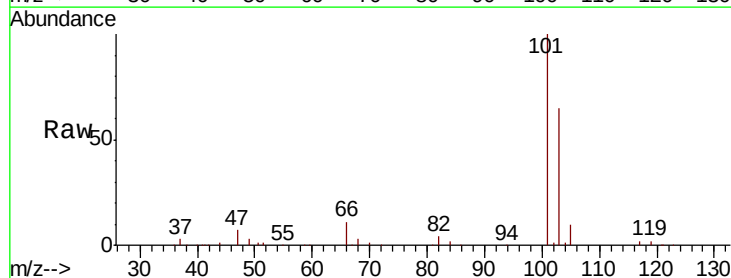
Acq: 06 Oct 2020 16:56

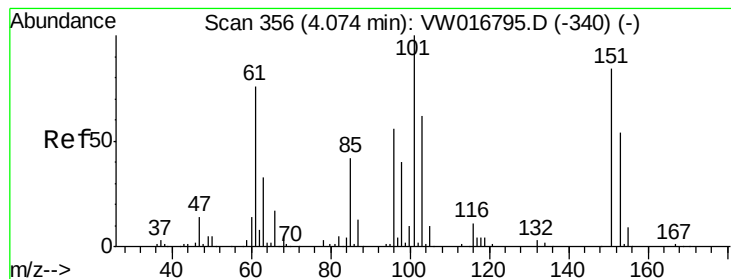
Tgt Ion: 101 Resp: 140423

Ion Ratio Lower Upper

101 100

103 64.4 45.2 84.0





#11

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

Concen: 25.082 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

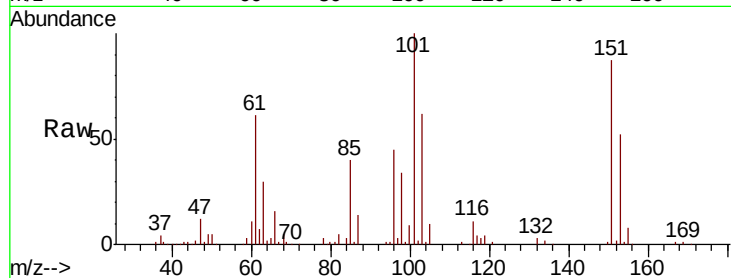
Tot Ion:101 Resp: 191324

Ion Ratio Lower Upper

101 100

85 41.6 31.7 47.5

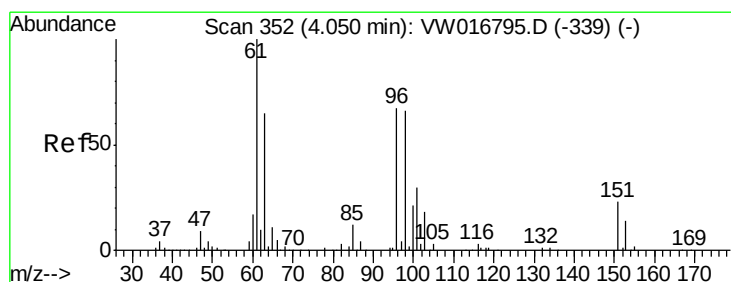
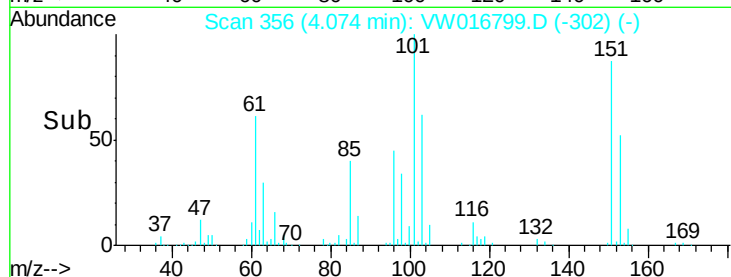
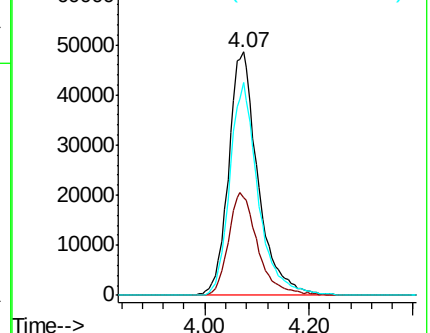
151 84.2 66.6 99.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.050 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

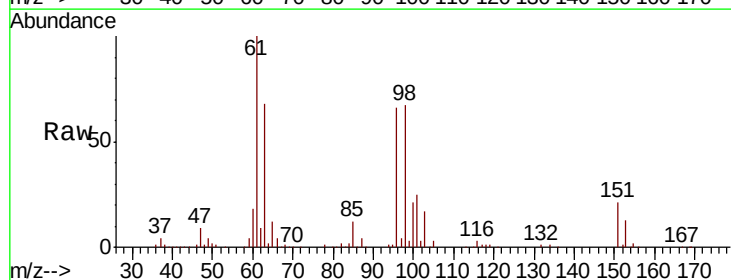
Tgt Ion: 96 Resp: 183498

Ion Ratio Lower Upper

96 100

61 152.4 105.1 195.1

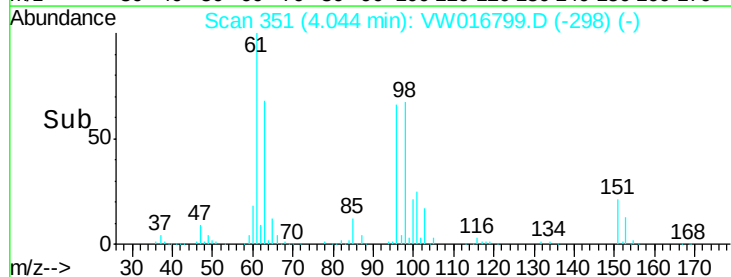
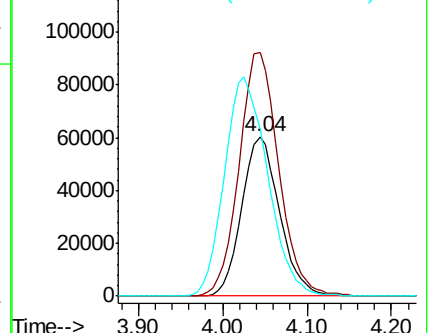
63 104.0 69.9 129.7

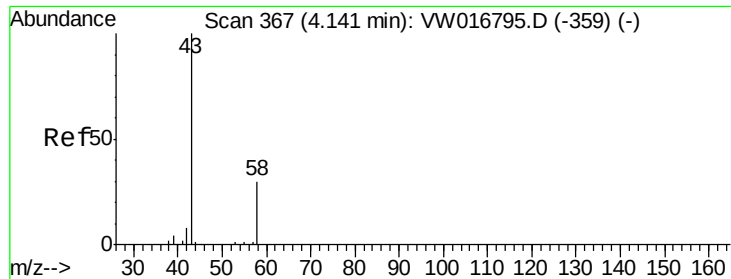


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.616 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016799.D

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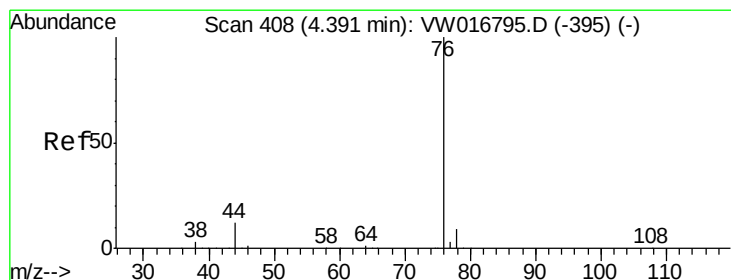
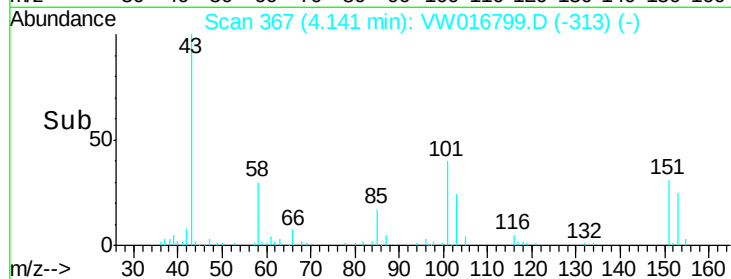
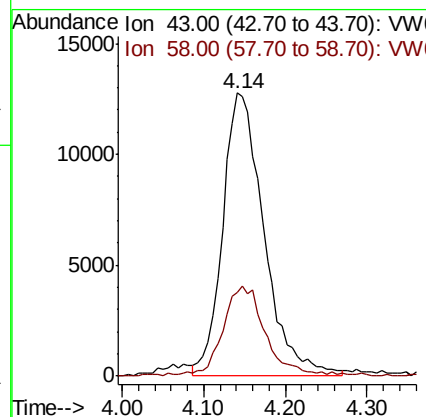
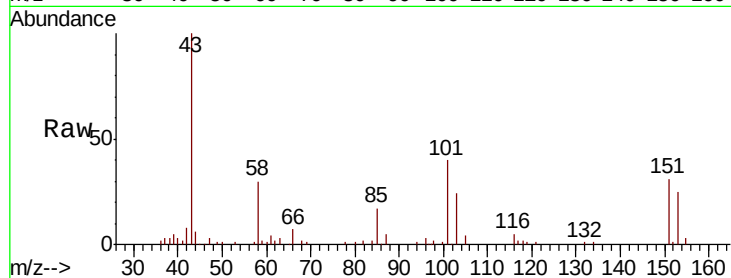
VSTD02519

Tot Ion: 43 Resp: 44659

Ion Ratio Lower Upper

43 100

58 31.0 0.0 67.6



#14

Carbon disulfide

Concen: 25.397 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016799.D

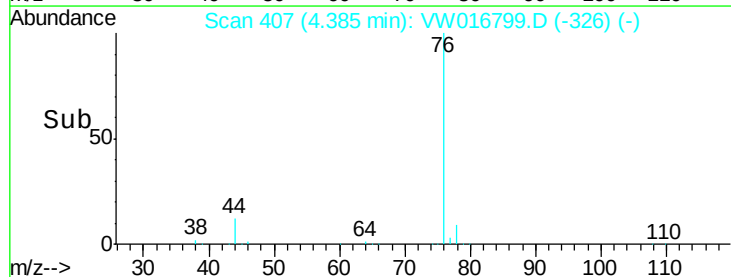
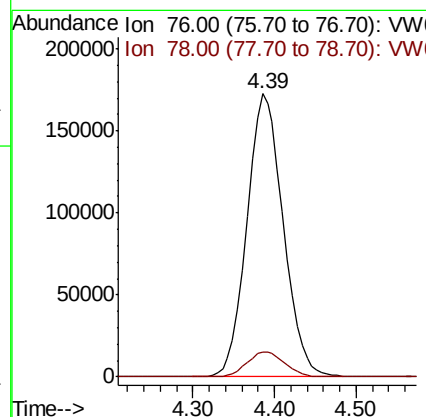
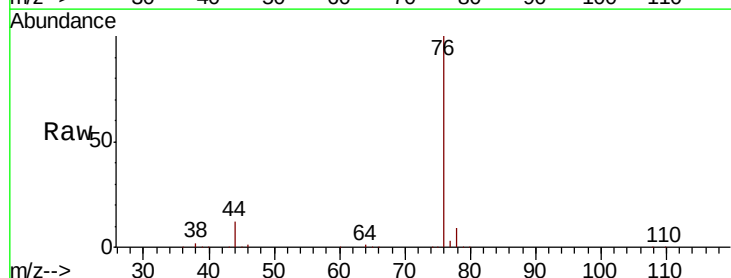
Acq: 06 Oct 2020 16:56

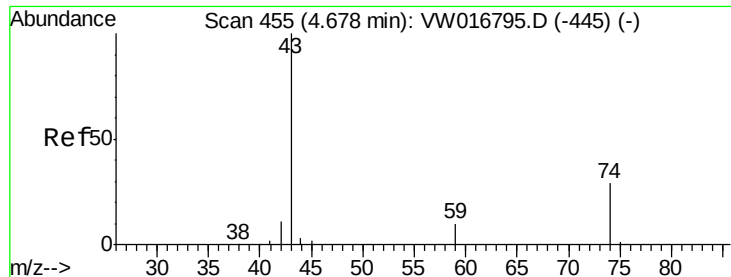
Tgt Ion: 76 Resp: 533452

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methvl Acetate

Concen: 24.607 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

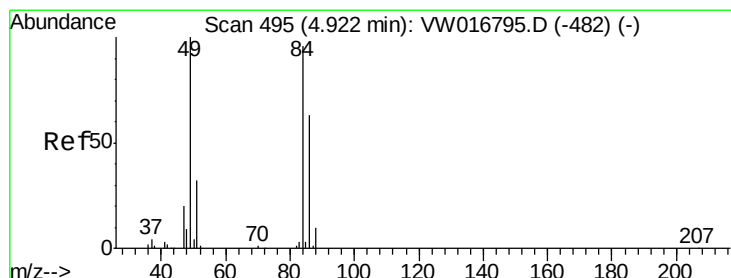
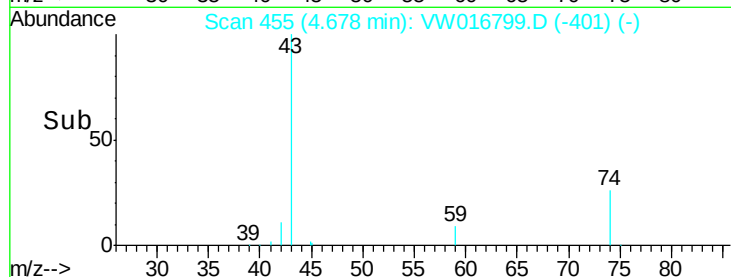
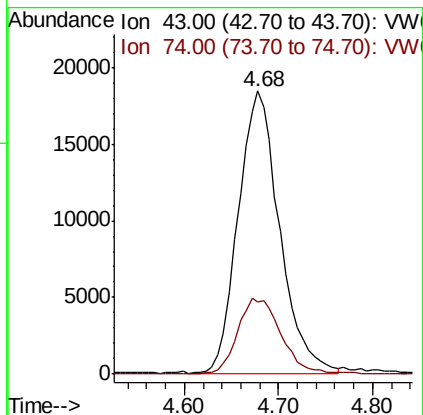
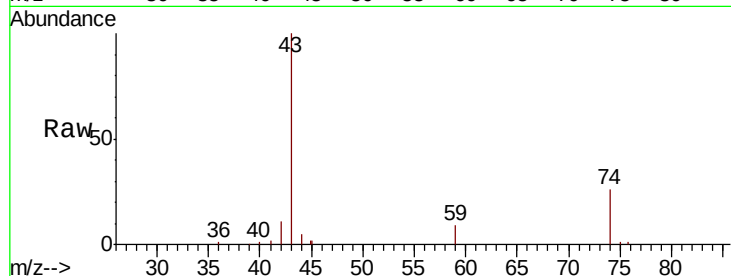
VSTD02519

Tot Ion: 43 Resp: 56325

Ion Ratio Lower Upper

43 100

74 28.2 22.7 34.1



#16

Methylene chloride

Concen: 22.955 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

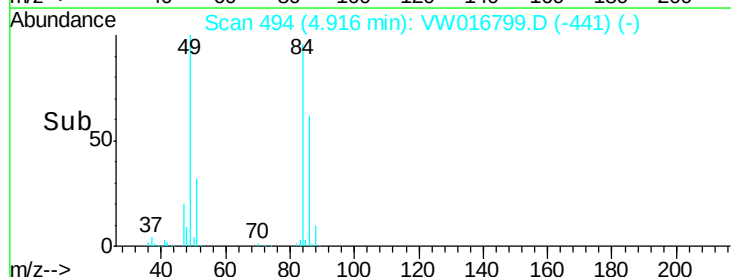
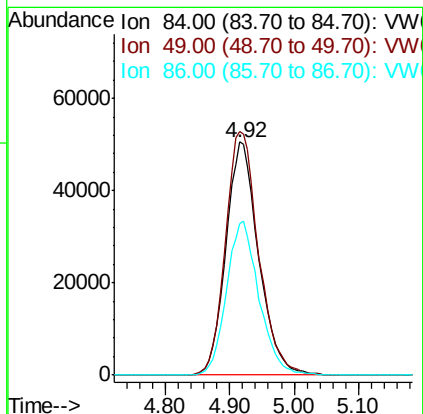
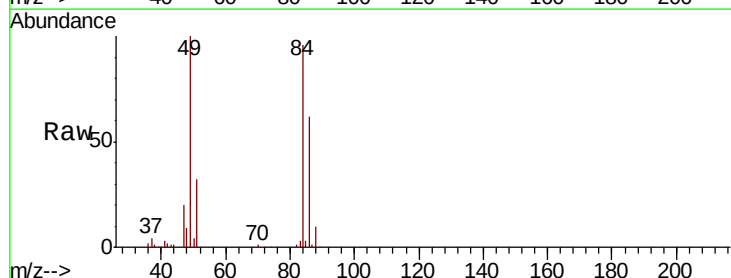
Tgt Ion: 84 Resp: 179482

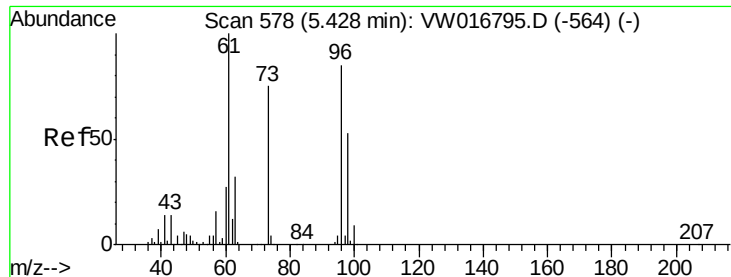
Ion Ratio Lower Upper

84 100

49 104.6 73.1 135.8

86 64.9 46.0 85.4

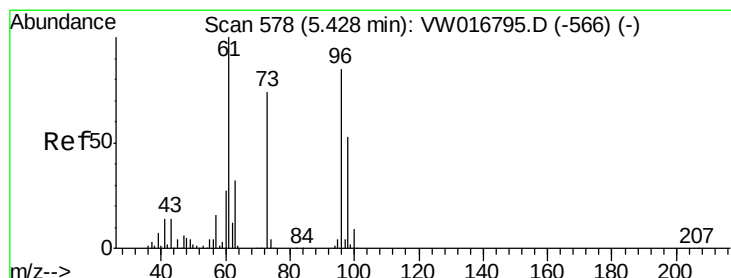
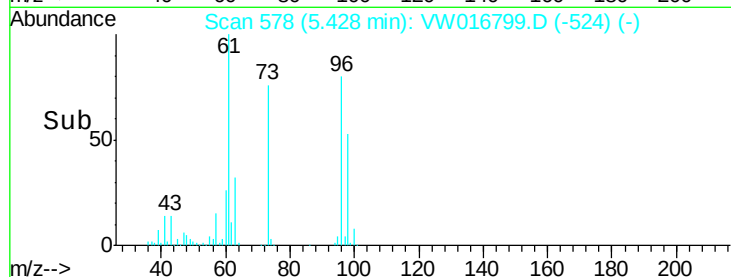
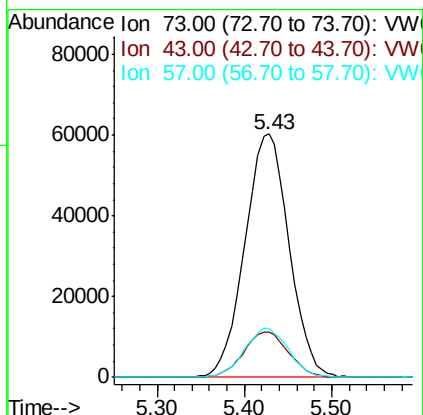
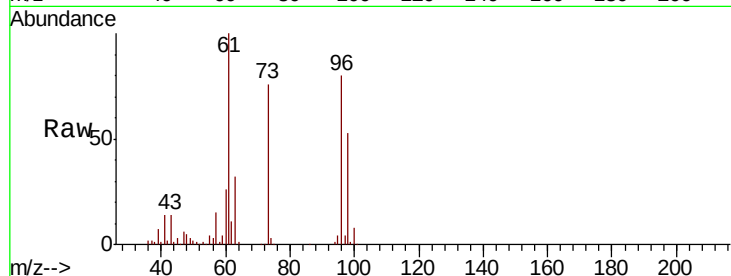




#17
Methyl tert-butyl Ether
Concen: 25.898 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

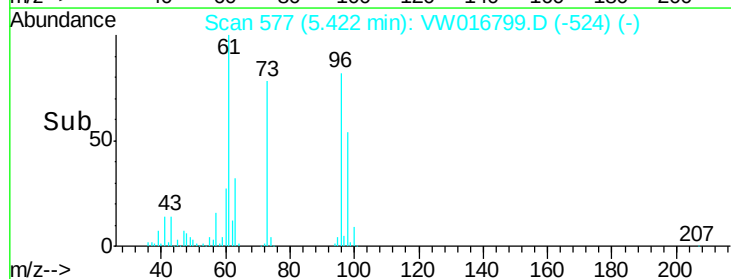
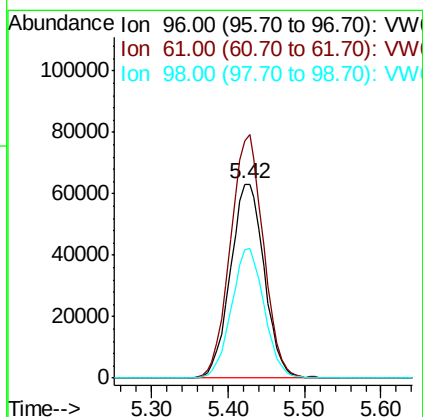
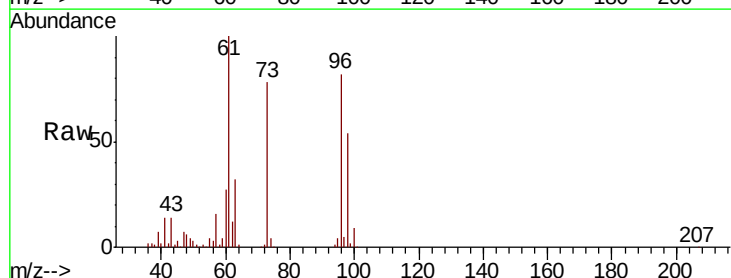
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

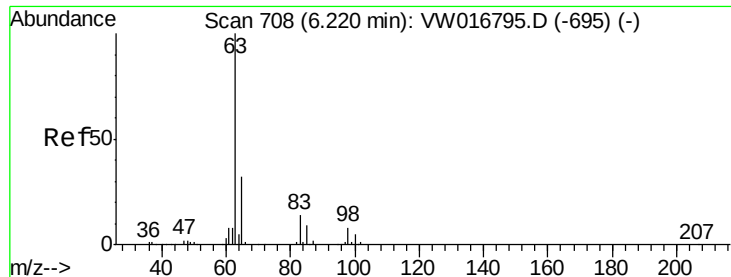
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.0	22.4
57	20.1	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 25.222 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.2	82.5	153.3
98	66.0	43.3	80.5

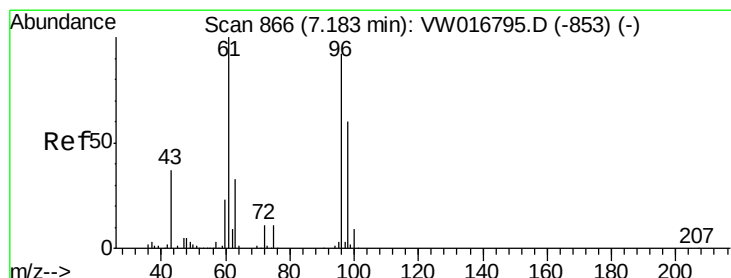
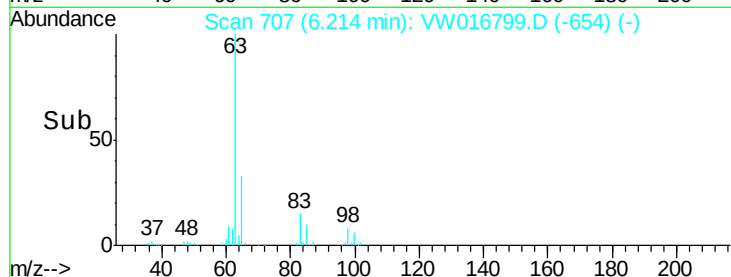
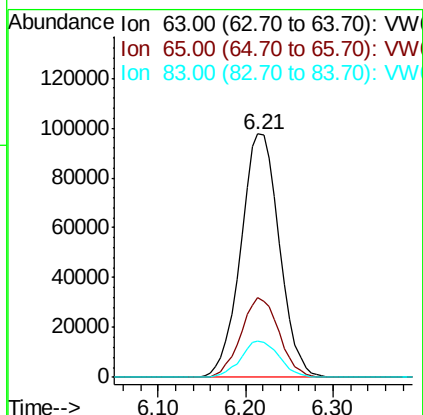
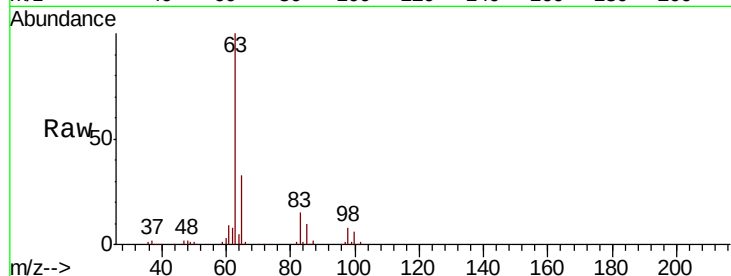




#19
 1,1-Dichloroethane
 Concen: 25.376 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

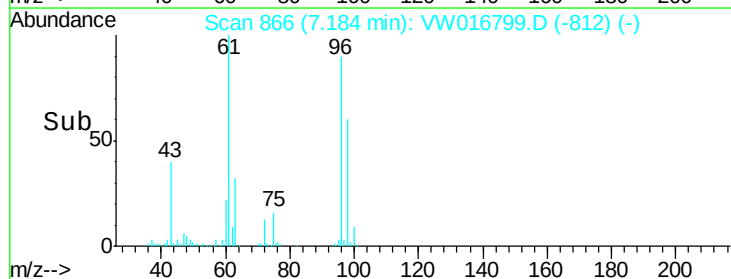
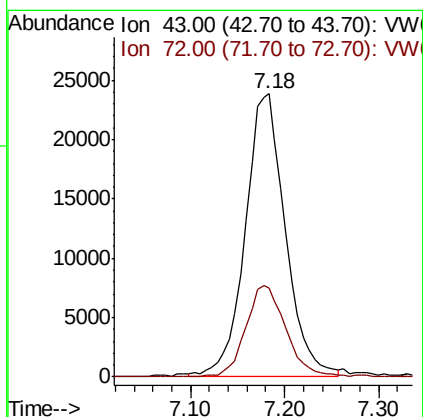
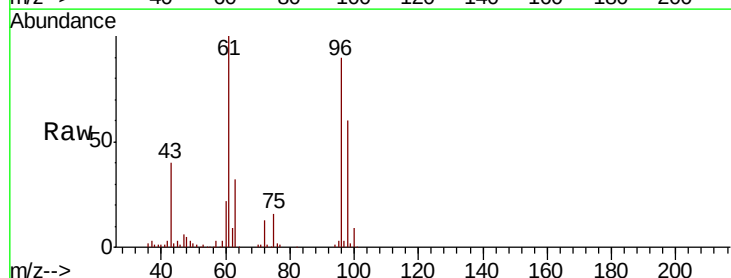
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

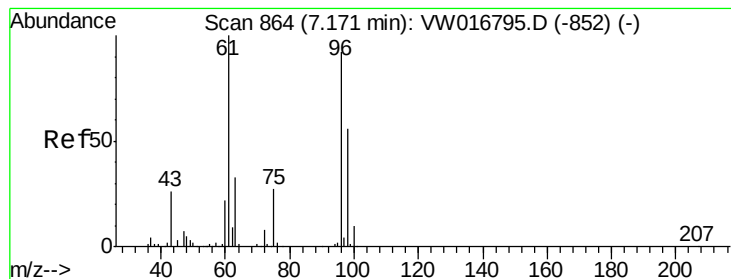
Tot Ion: 63 Resp: 299046
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.7 42.1
 83 15.0 9.9 18.5



#21
 2-Butanone
 Concen: 44.386 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Tgt Ion: 43 Resp: 71384
 Ion Ratio Lower Upper
 43 100
 72 32.2 16.2 48.5



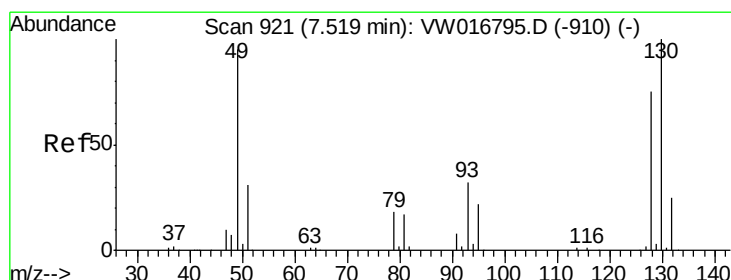
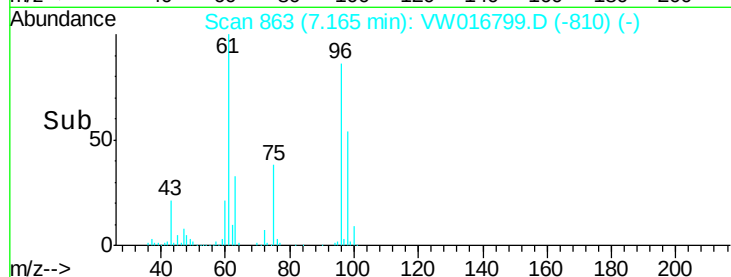
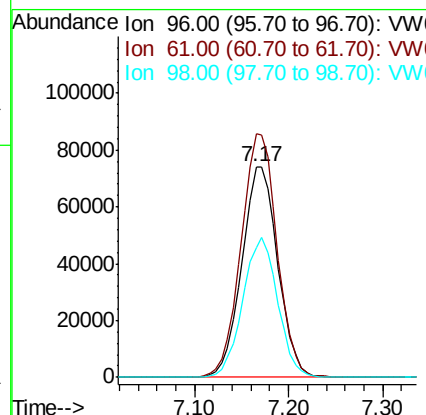
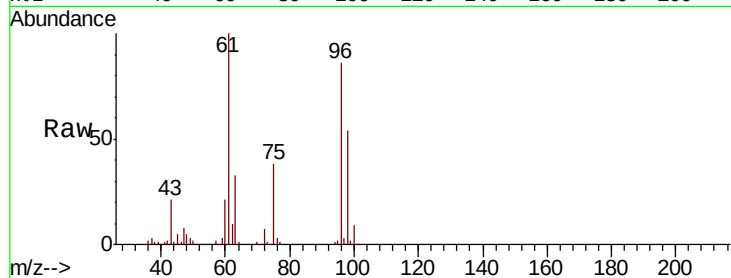


#22

cis-1,2-Dichloroethene
 Concen: 25.356 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

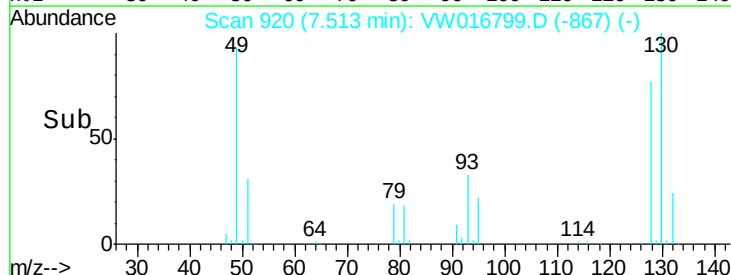
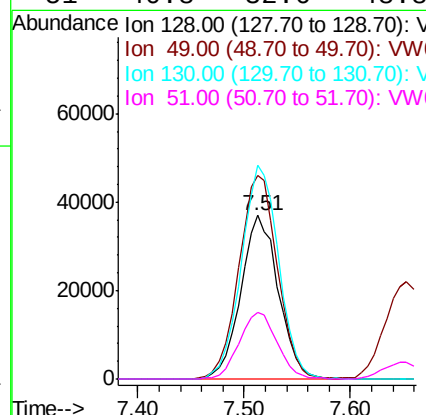
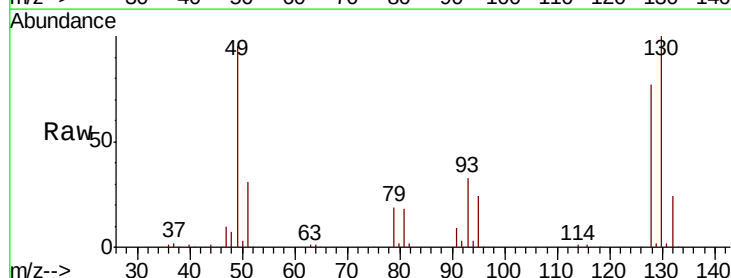
Tot Ion: 96 Resp: 197992
 Ion Ratio Lower Upper
 96 100
 61 115.6 76.0 141.2
 98 61.9 42.7 79.3

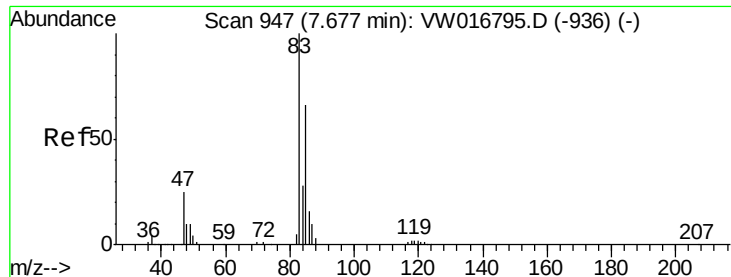


#23

Bromochloromethane
 Concen: 25.022 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Tgt Ion: 128 Resp: 91751
 Ion Ratio Lower Upper
 128 100
 49 124.5 88.5 164.3
 130 130.5 92.9 172.5
 51 40.8 32.6 48.8





#25

Chloroform

Concen: 25.542 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

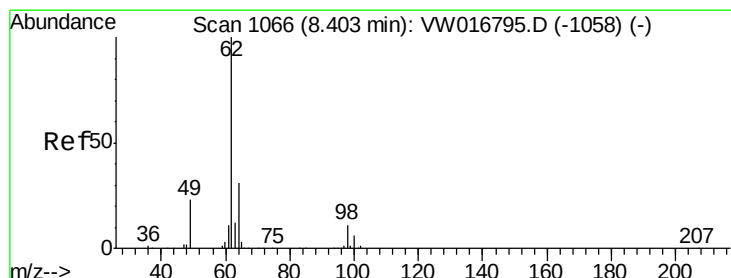
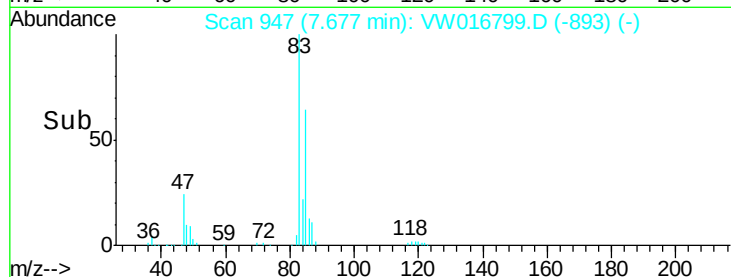
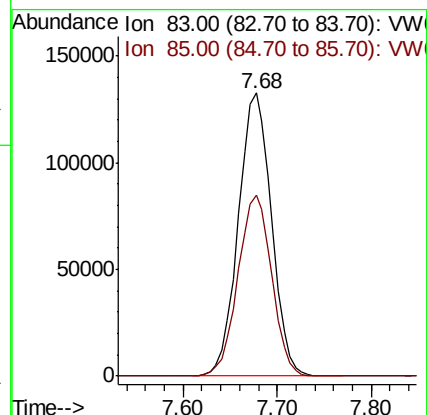
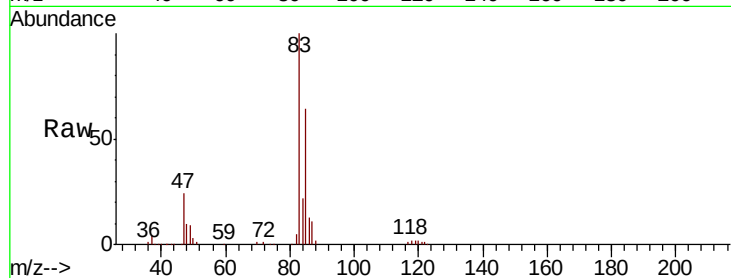
VSTD02519

Tot Ion: 83 Resp: 325058

Ion Ratio Lower Upper

83 100

85 65.2 46.9 87.1



#27

1,2-Dichloroethane

Concen: 25.225 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016799.D

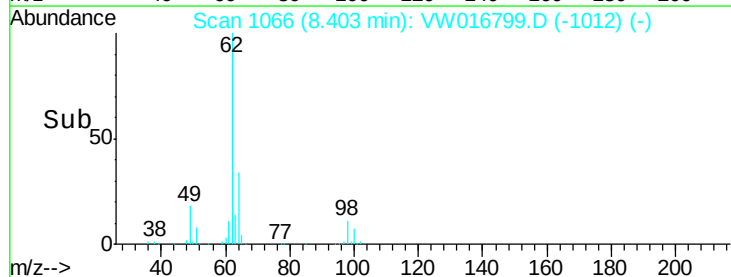
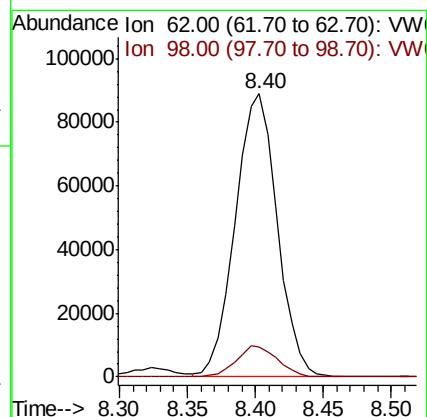
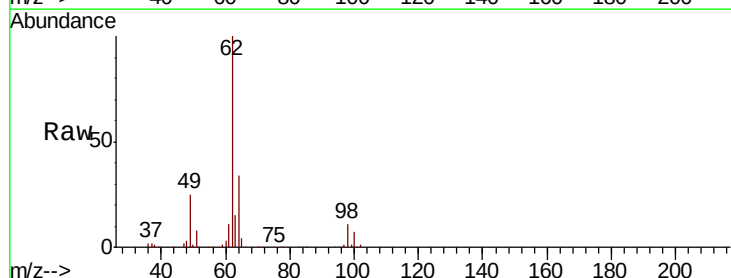
Acq: 06 Oct 2020 16:56

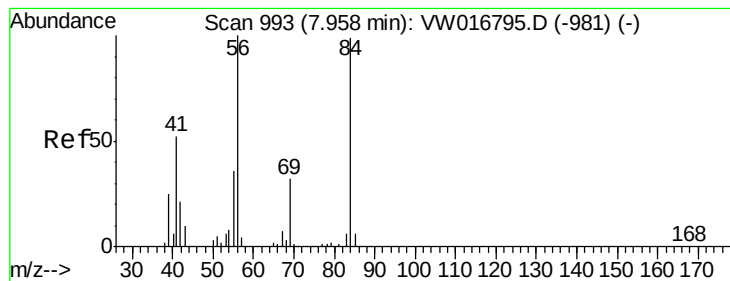
Tgt Ion: 62 Resp: 192036

Ion Ratio Lower Upper

62 100

98 10.8 8.6 12.8





#30

Cyclohexane

Concen: 25.891 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

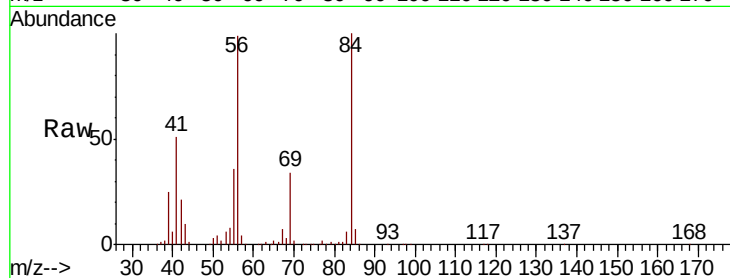
Tot Ion: 56 Resp: 271218

Ion Ratio Lower Upper

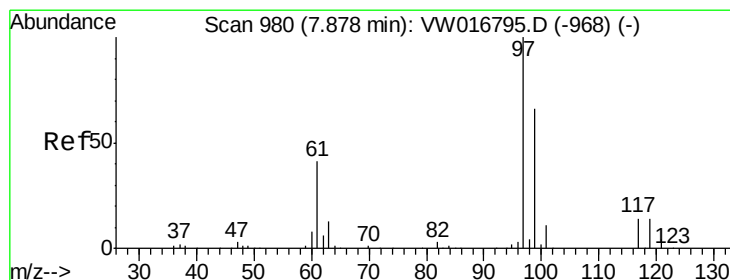
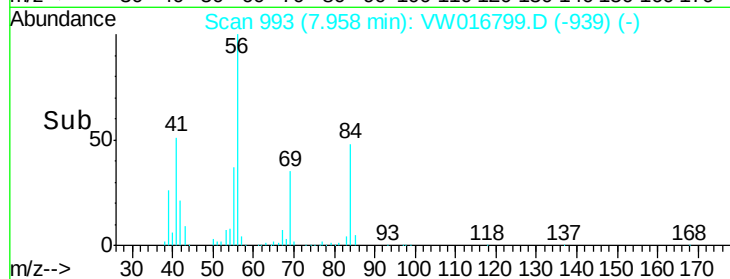
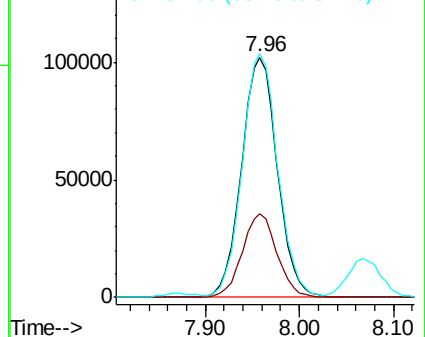
56 100

69 33.6 26.1 39.1

84 101.0 79.3 118.9



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: 25.999 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

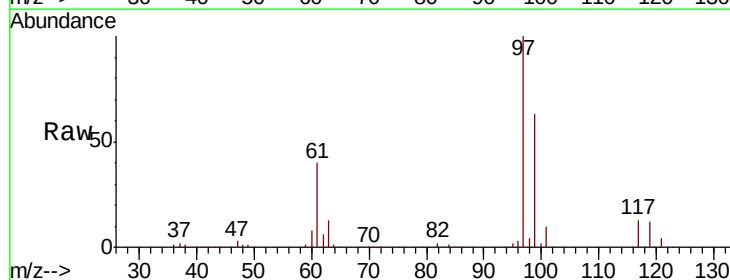
Tgt Ion: 97 Resp: 279285

Ion Ratio Lower Upper

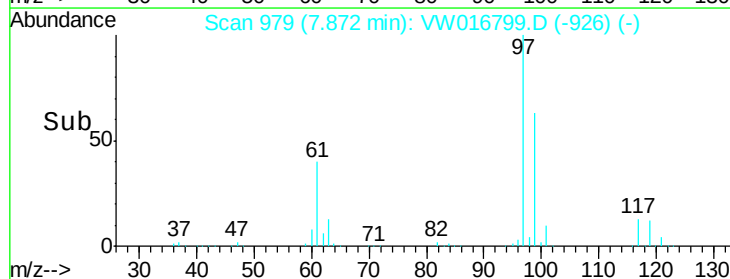
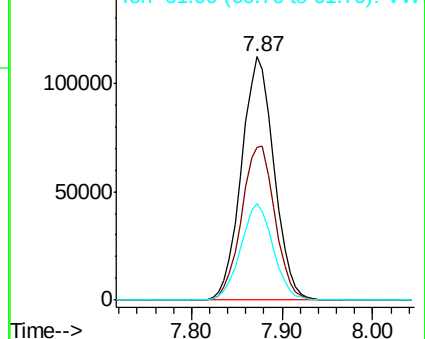
97 100

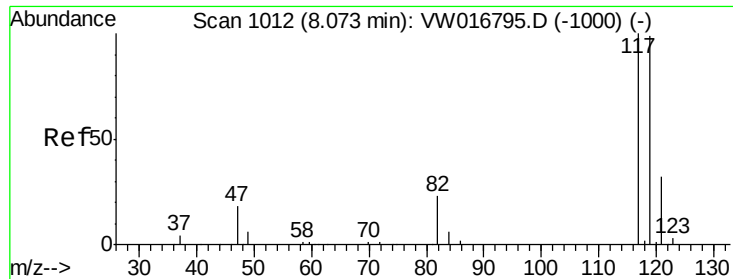
99 64.9 51.5 77.3

61 39.5 32.5 48.7



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: 26.201 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

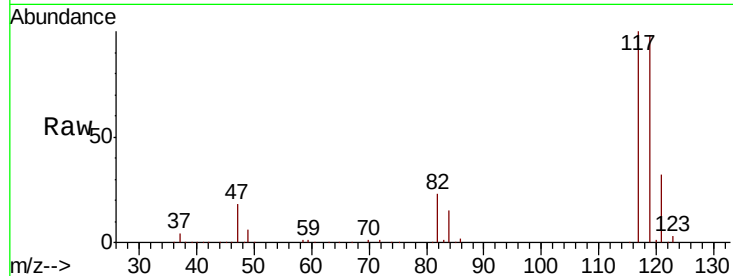
VSTD02519

Tot Ion:117 Resp: 274657

Ion Ratio Lower Upper

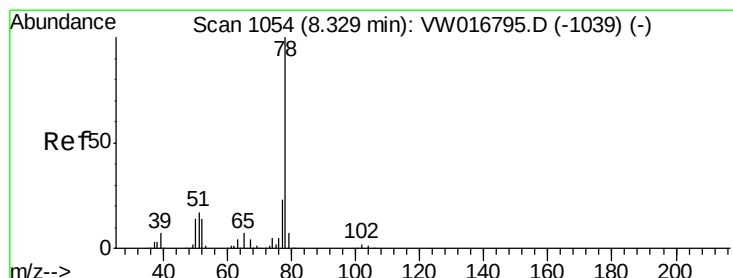
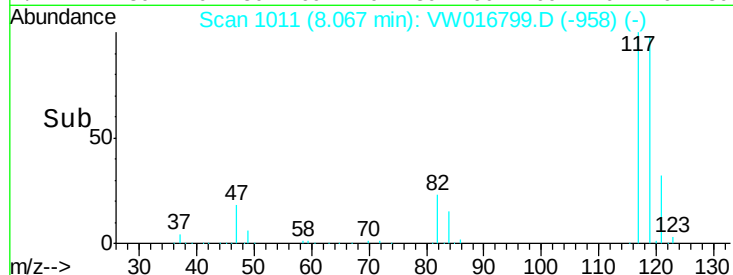
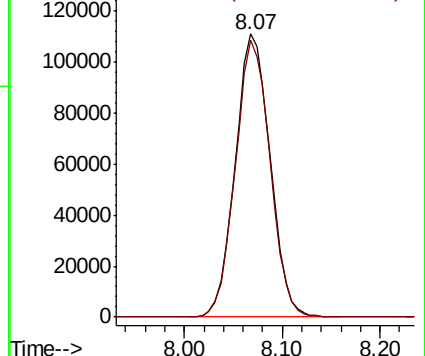
117 100

119 97.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.121 ug/L

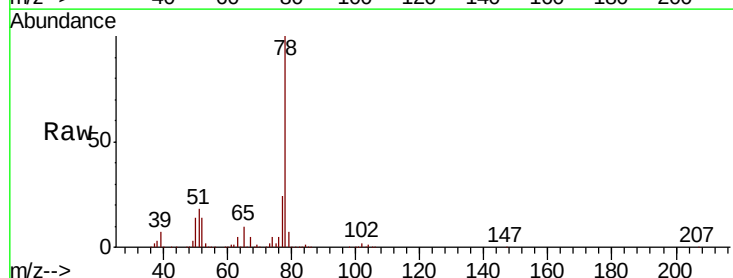
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

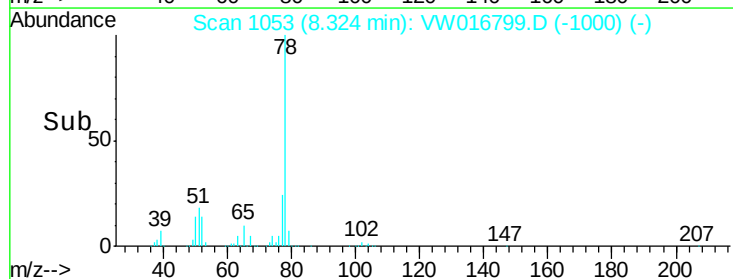
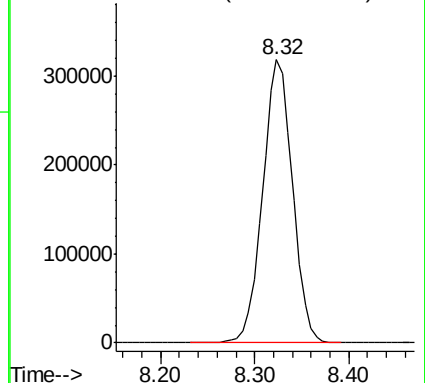
Lab File: VW016799.D

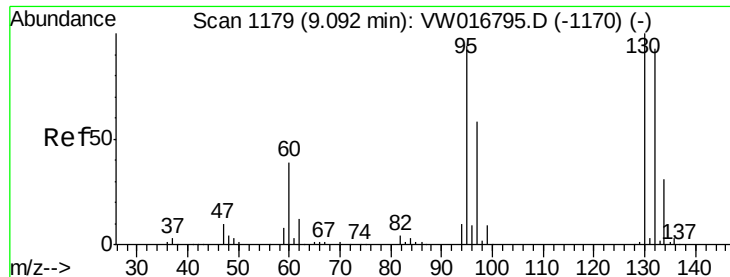
Acq: 06 Oct 2020 16:56

Tgt Ion: 78 Resp: 708578



Abundance Ion 78.00 (77.70 to 78.70): VW

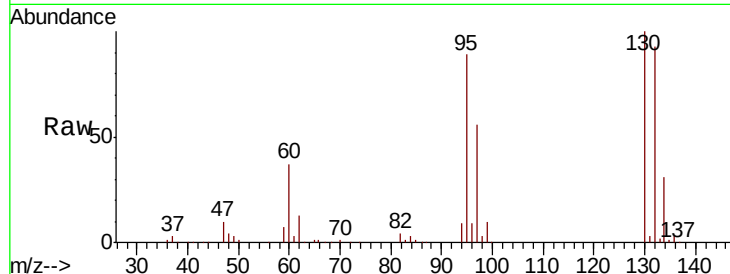




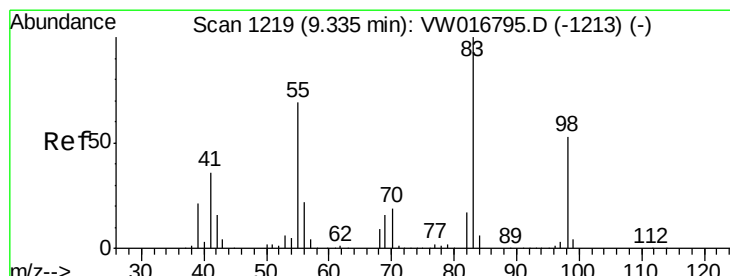
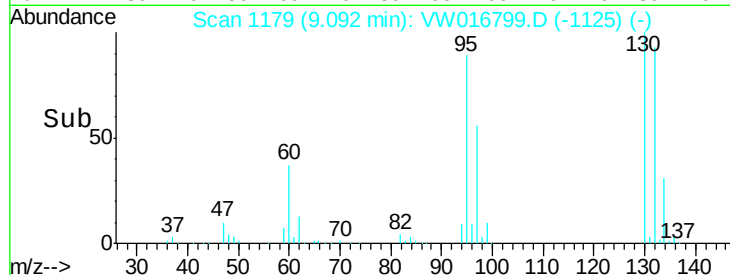
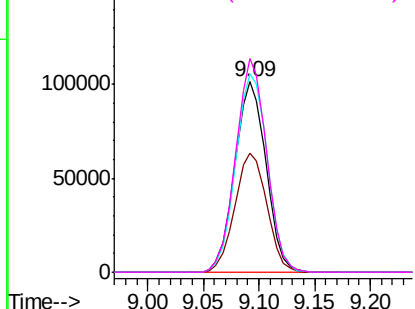
#35
 Trichloroethene
 Concen: 25.731 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tot Ion: 95 Resp: 197433
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.7 83.1
 132 105.9 73.8 137.2
 130 110.9 77.1 143.3

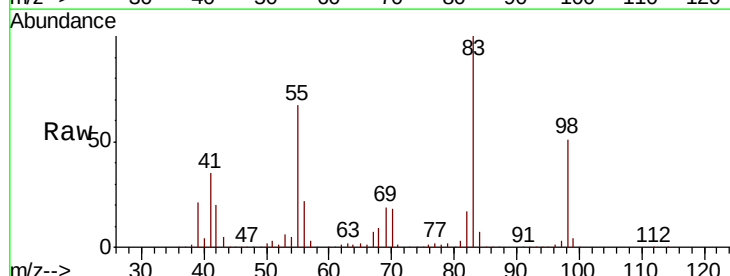


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

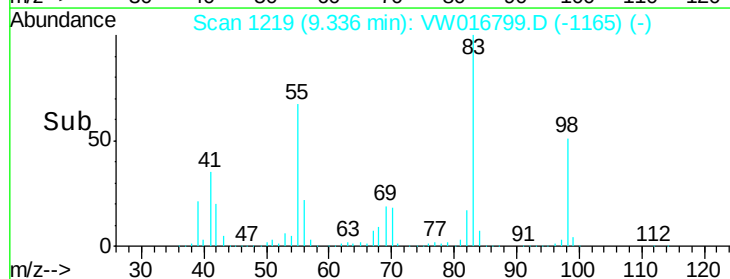
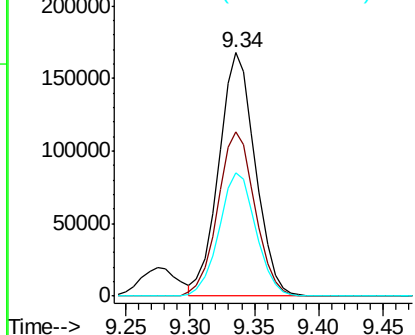


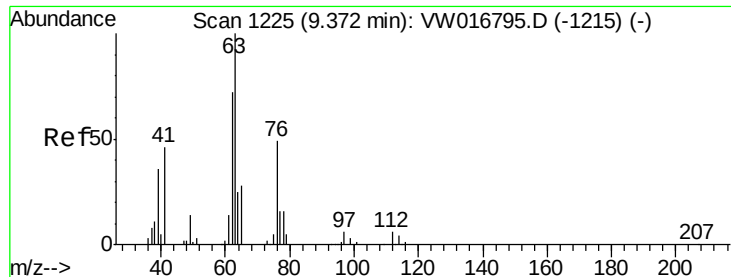
#36
 Methylcyclohexane
 Concen: 25.781 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Tgt Ion: 83 Resp: 332616
 Ion Ratio Lower Upper
 83 100
 55 68.8 54.2 81.4
 98 51.1 41.4 62.2



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: 26.147 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

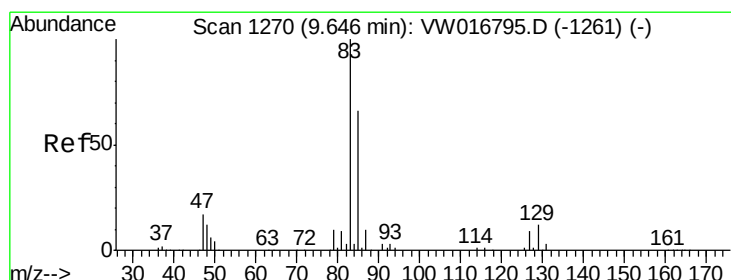
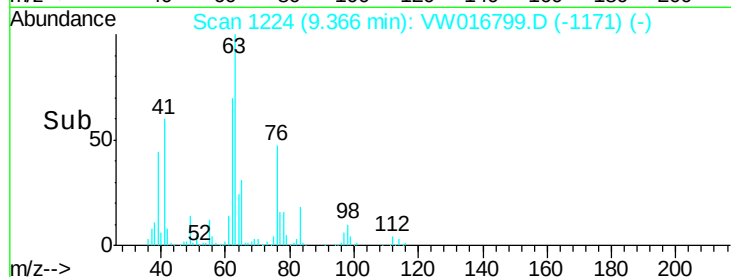
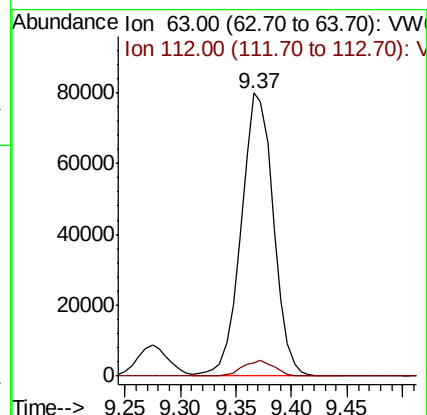
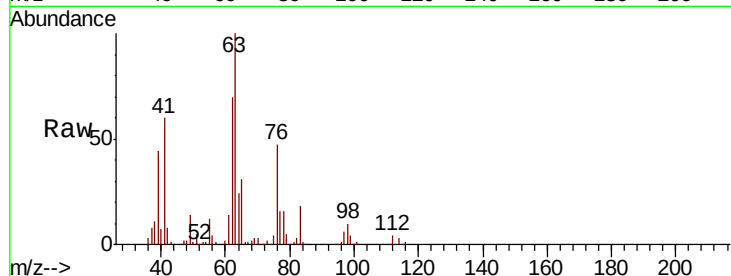
VSTD02519

Tot Ion: 63 Resp: 160383

Ion Ratio Lower Upper

63 100

112 5.4 4.5 6.7



#41

Bromodichloromethane

Concen: 25.898 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

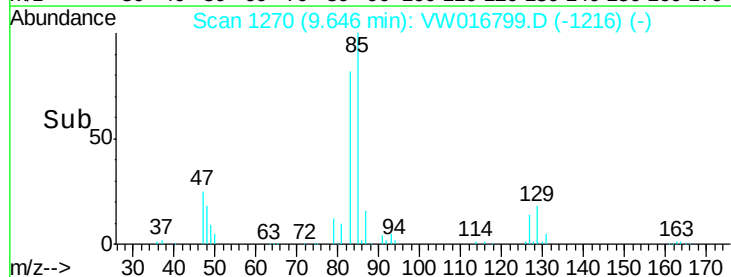
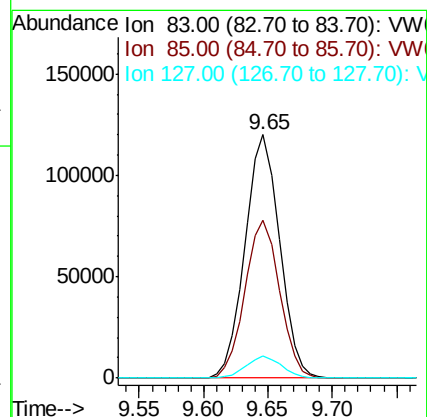
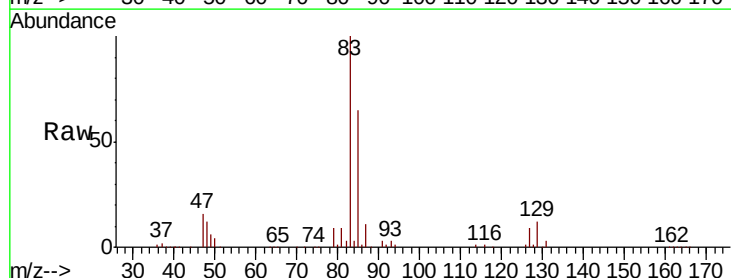
Tgt Ion: 83 Resp: 223169

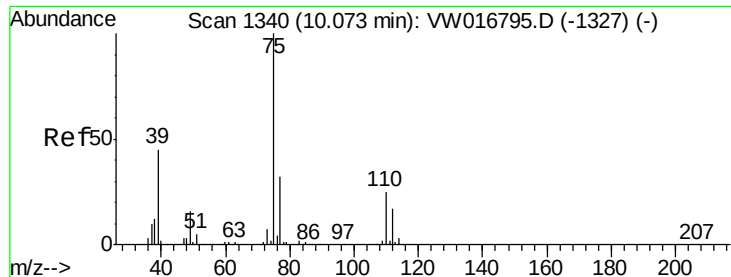
Ion Ratio Lower Upper

83 100

85 64.6 46.2 85.8

127 9.2 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 26.303 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

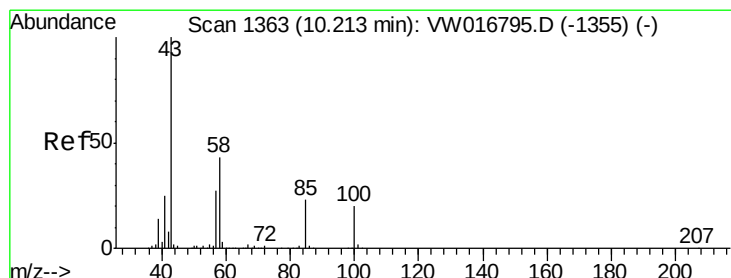
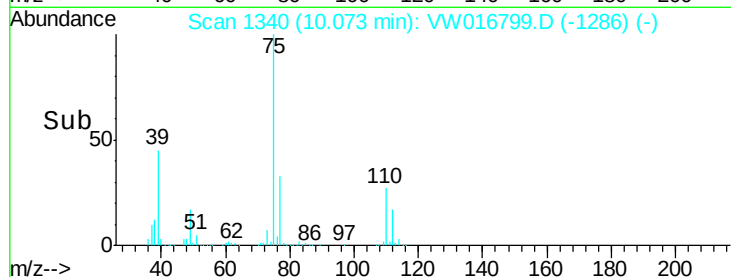
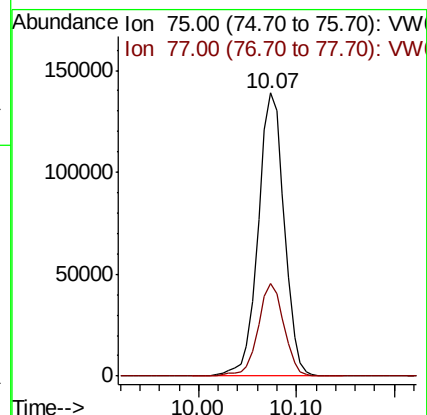
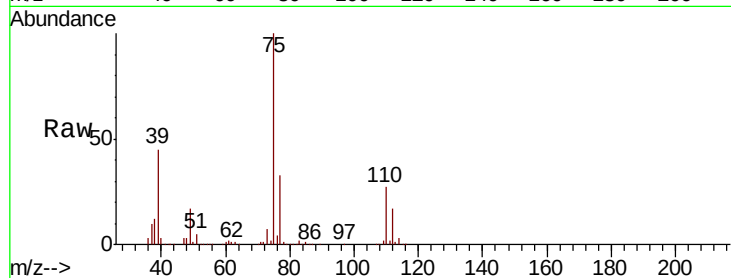
VSTD02519

Tot Ion: 75 Resp: 257239

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 50.984 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

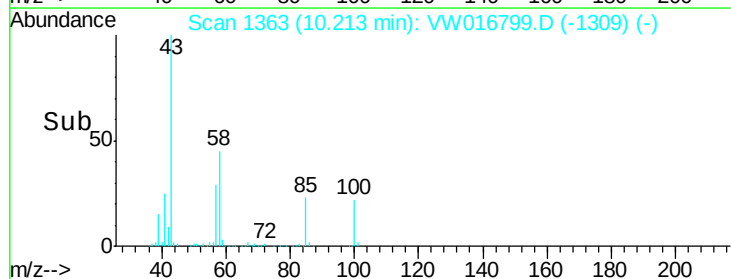
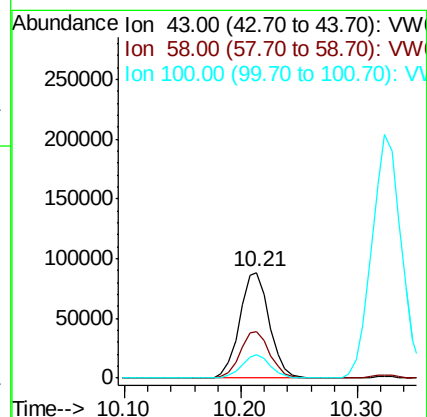
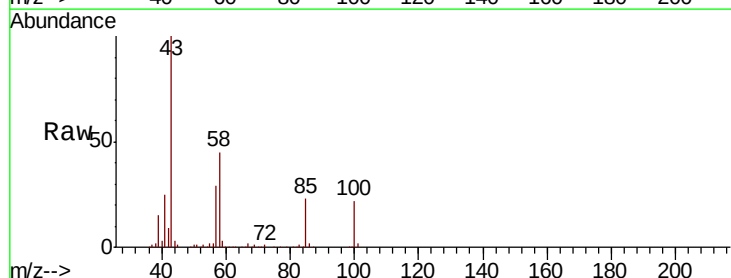
Tgt Ion: 43 Resp: 157442

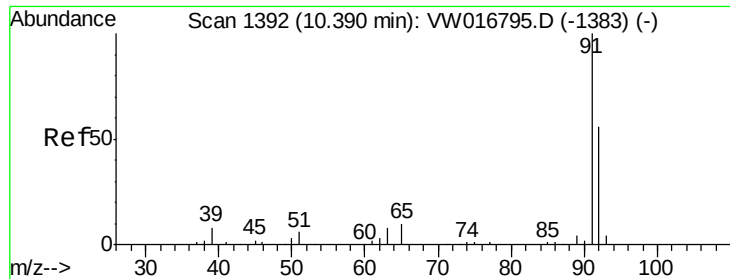
Ion Ratio Lower Upper

43 100

58 44.0 34.7 52.1

100 21.1 16.9 25.3





#44

Toluene

Concen: 25.746 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

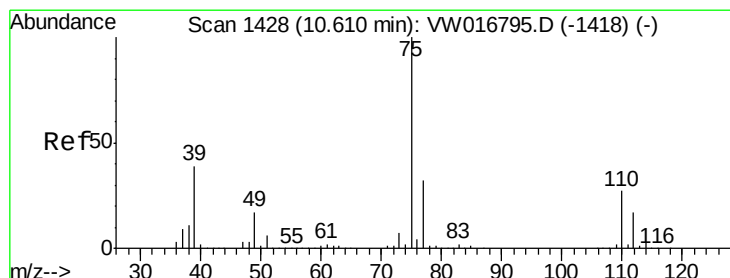
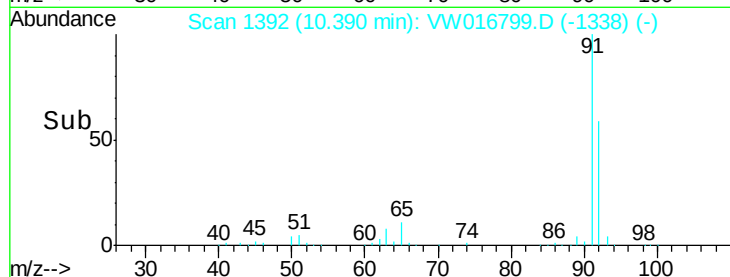
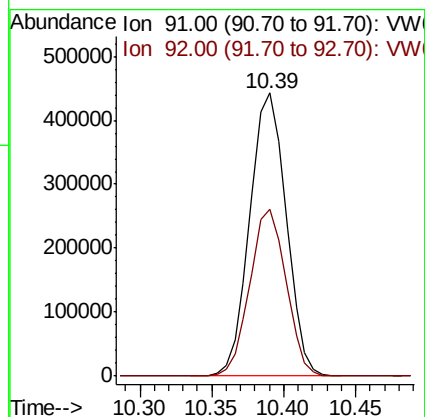
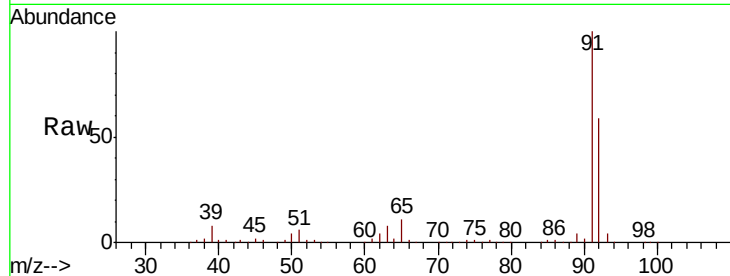
VSTD02519

Tot Ion: 91 Resp: 774774

Ion Ratio Lower Upper

91 100

92 59.1 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 27.190 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016799.D

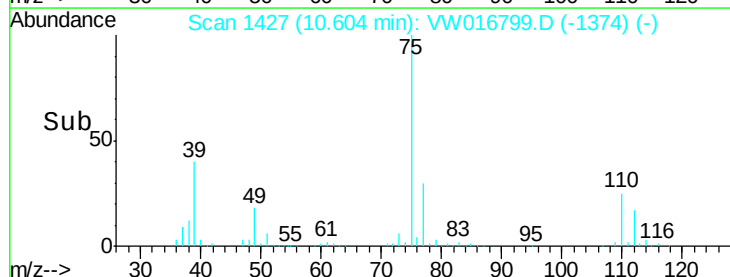
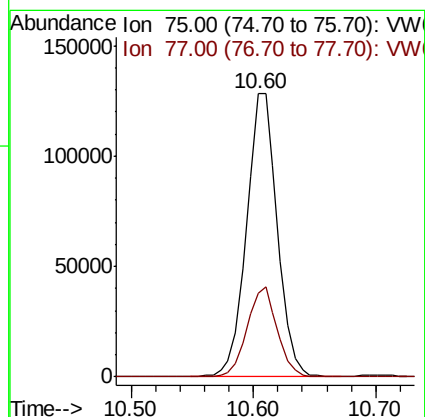
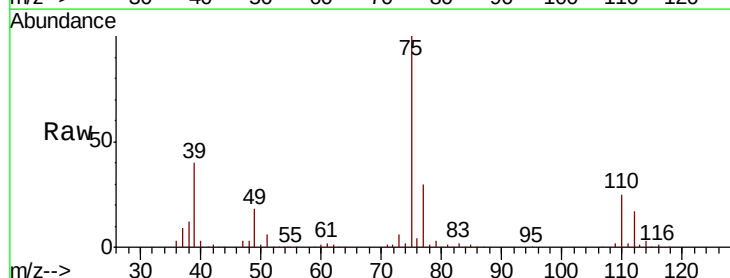
Acq: 06 Oct 2020 16:56

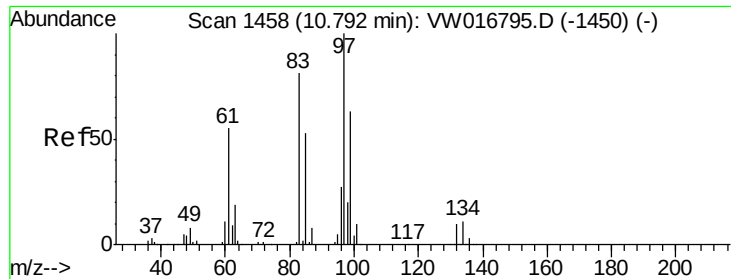
Tgt Ion: 75 Resp: 223761

Ion Ratio Lower Upper

75 100

77 29.7 22.2 41.2

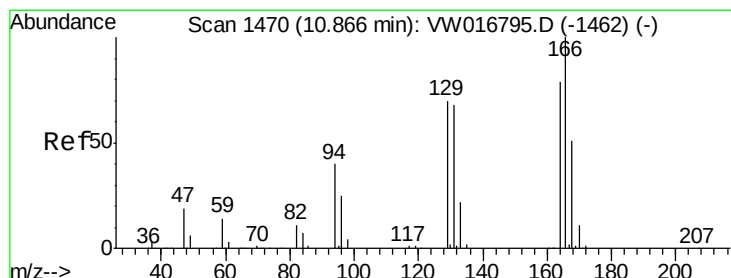
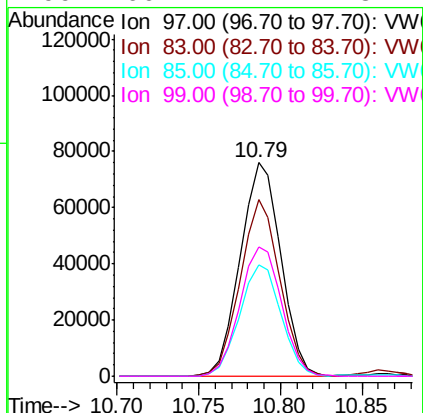
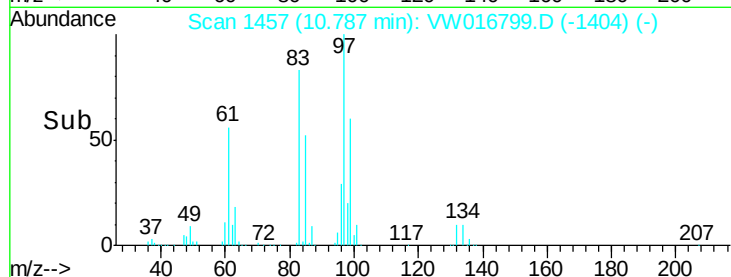
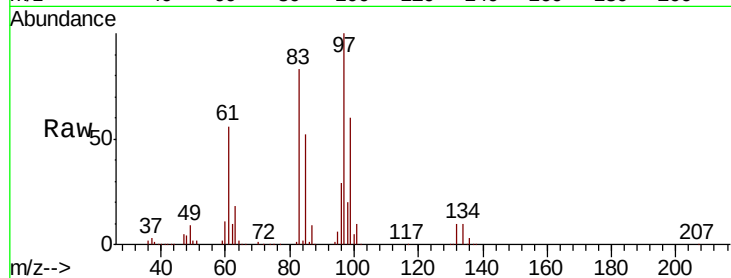




#46
 1,1,2-Trichloroethane
 Concen: 26.522 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

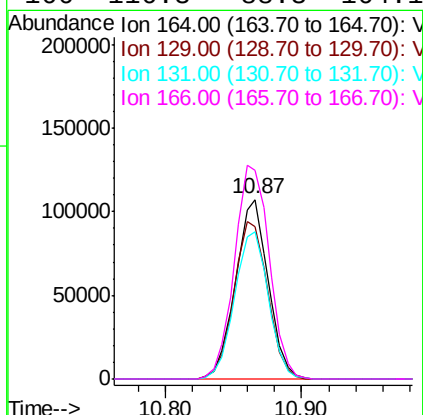
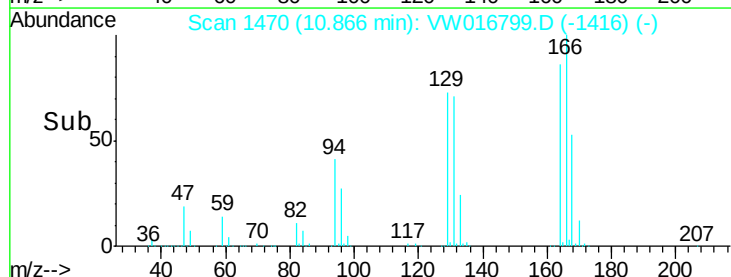
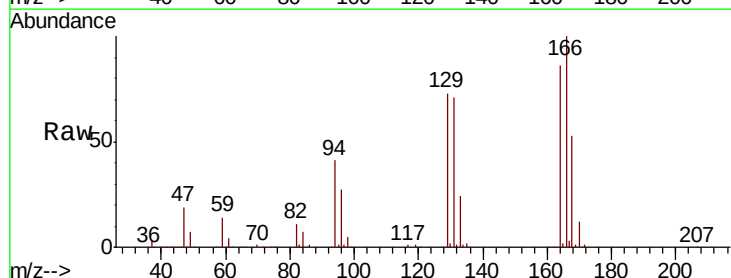
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

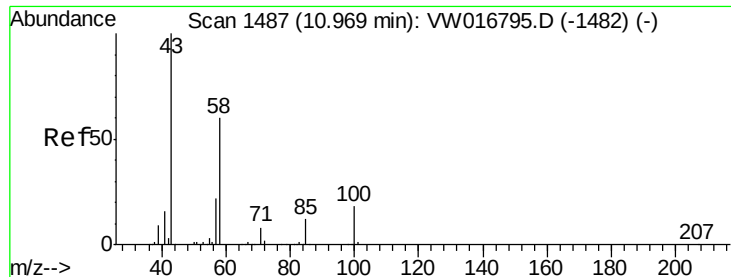
Tot Ion:	97	Resp:	132247
Ion	Ratio	Lower	Upper
97	100		
83	82.7	56.8	105.4
85	52.3	37.0	68.6
99	60.4	44.2	82.2



#47
 Tetrachloroethene
 Concen: 25.259 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Tgt Ion:	164	Resp:	179684
Ion	Ratio	Lower	Upper
164	100		
129	85.1	61.7	114.7
131	82.1	59.7	110.9
166	116.3	88.3	164.1

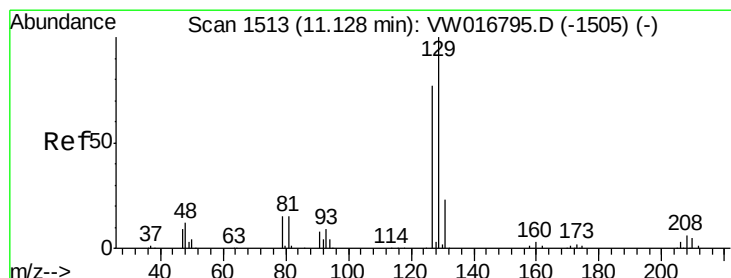
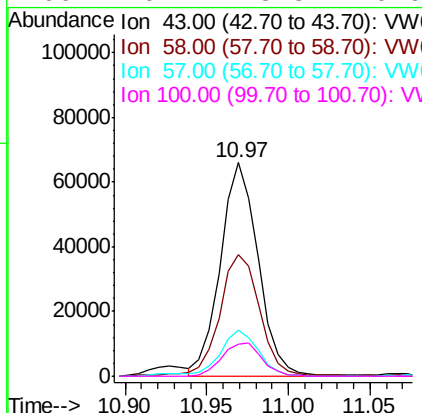
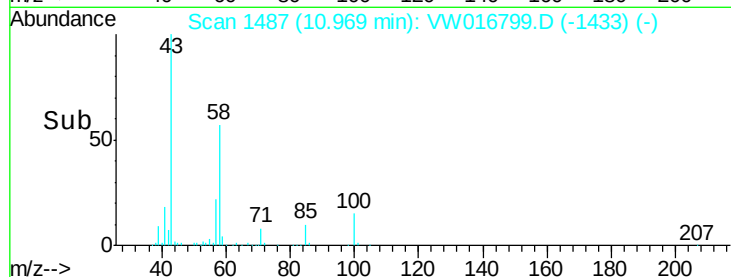
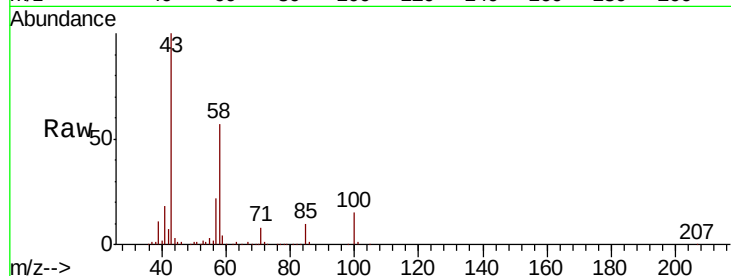




#49
2-Hexanone
Concen: 52.280 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

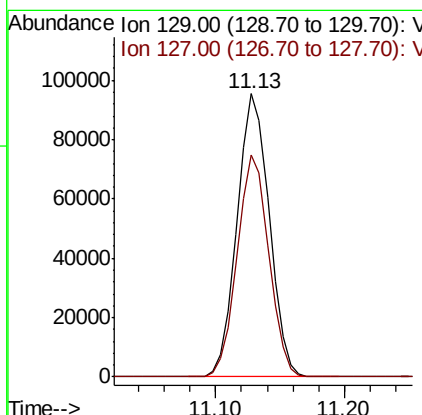
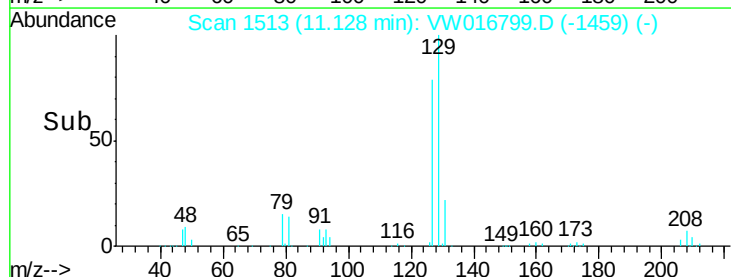
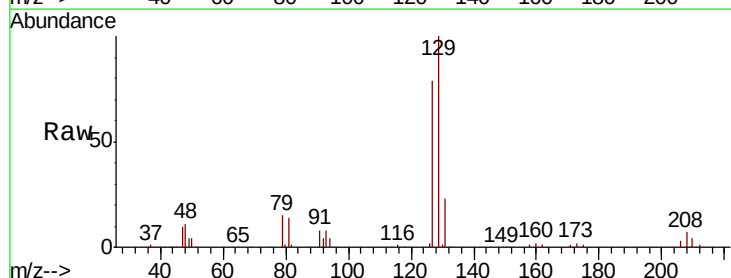
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

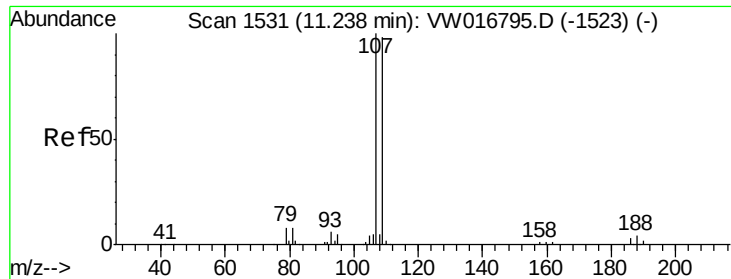
Tot Ion: 43 Resp: 106562
Ion Ratio Lower Upper
43 100
58 61.0 47.1 70.7
57 21.5 16.2 24.4
100 16.4 13.3 19.9



#50
Dibromochloromethane
Concen: 26.648 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

Tgt Ion: 129 Resp: 165188
Ion Ratio Lower Upper
129 100
127 78.6 54.0 100.4

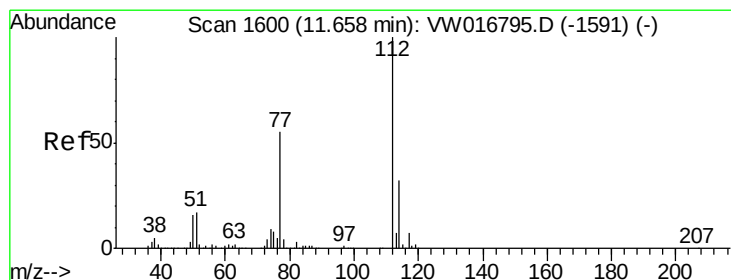
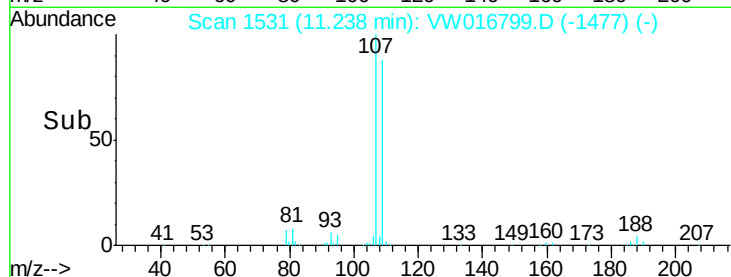
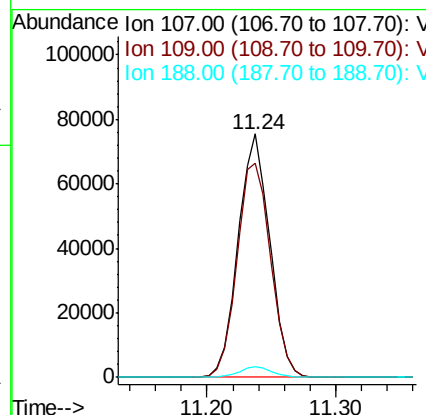
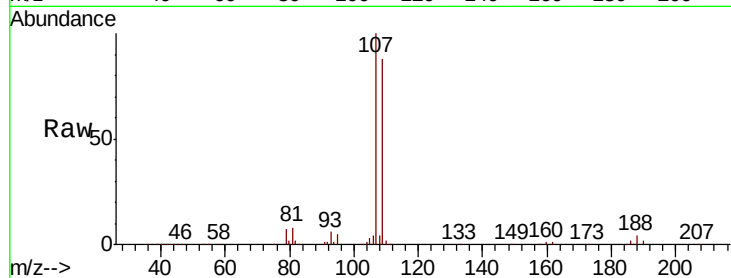




#51
1,2-Dibromoethane
Concen: 26.266 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

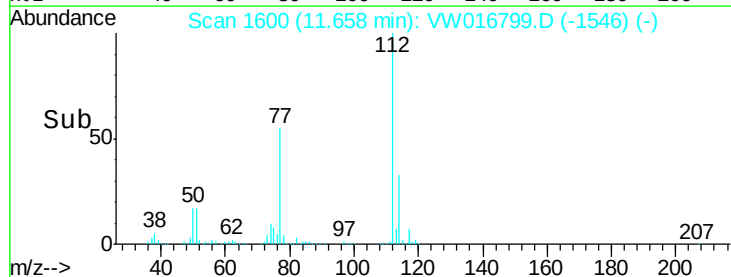
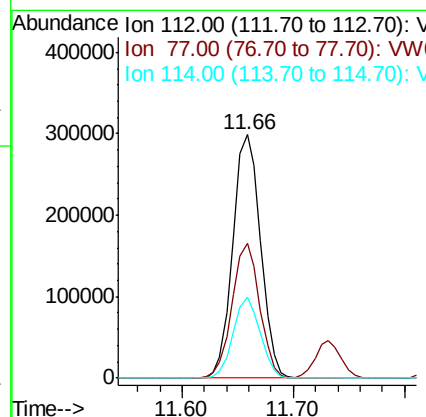
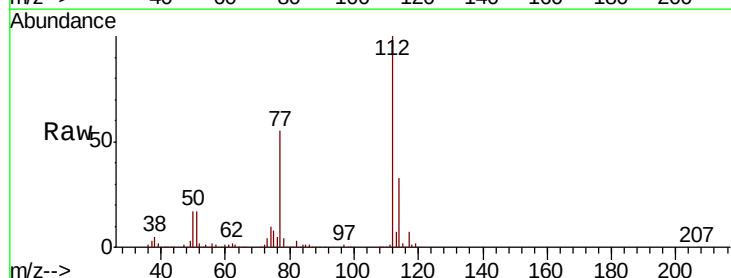
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

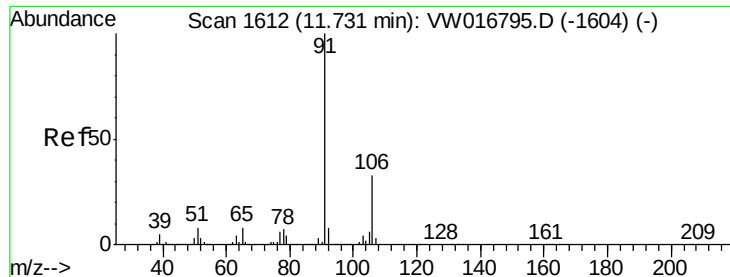
Tot Ion	Ratio	Lower	Upper
107	100		
109	88.0	68.4	127.0
188	4.3	3.4	5.0



#52
Chlorobenzene
Concen: 25.546 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.5	44.0	66.0
114	33.4	22.3	41.3

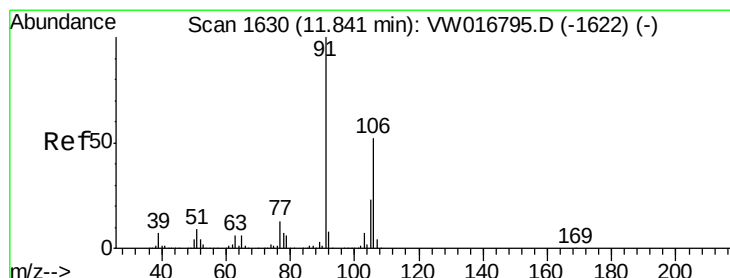
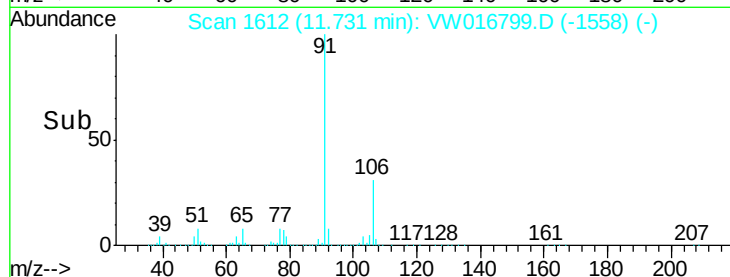
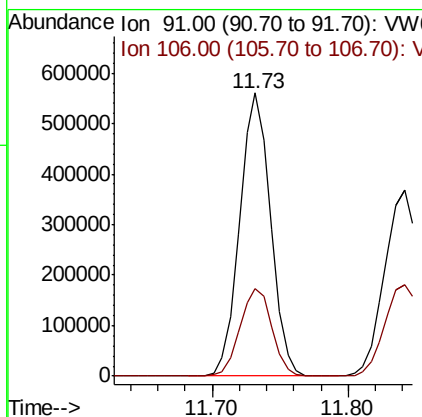
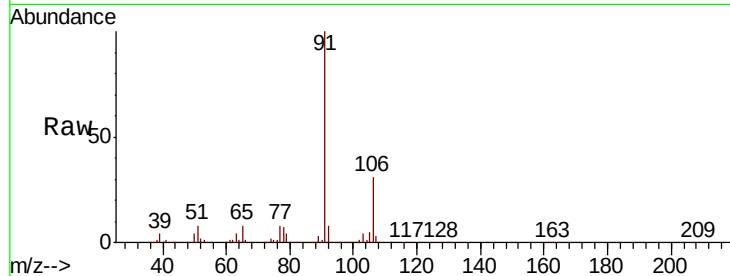




#53
Ethylbenzene
Concen: 26.279 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

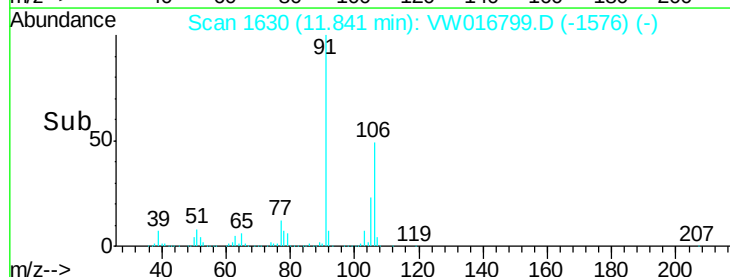
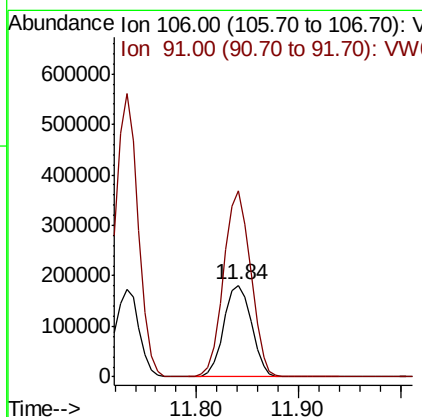
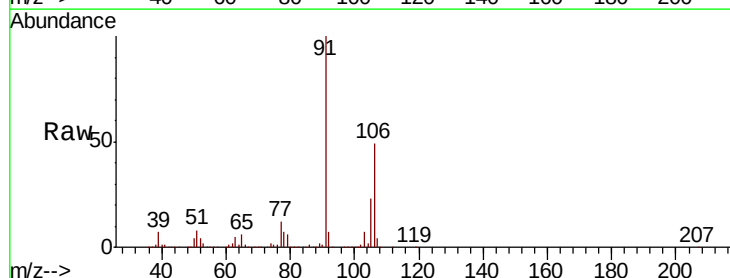
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

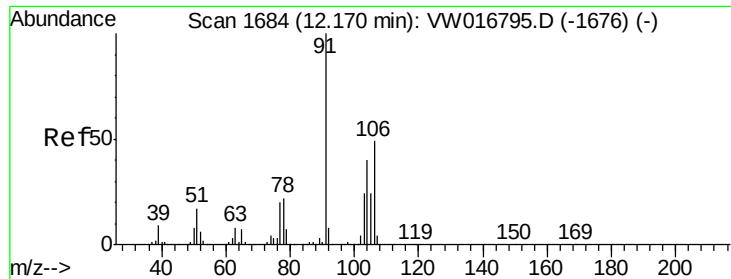
Tot Ion: 91 Resp: 887124
Ion Ratio Lower Upper
91 100
106 31.1 22.8 42.4



#54
m,p-Xylene
Concen: 26.174 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016799.D
Acq: 06 Oct 2020 16:56

Tgt Ion: 106 Resp: 343646
Ion Ratio Lower Upper
106 100
91 202.4 135.6 251.8





#55

o-xylene

Concen: 26.137 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

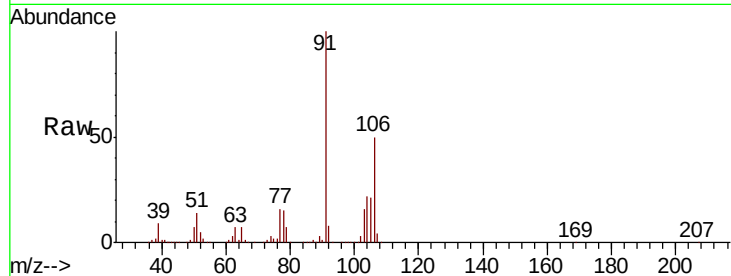
VSTD02519

Tot Ion:106 Resp: 327864

Ion Ratio Lower Upper

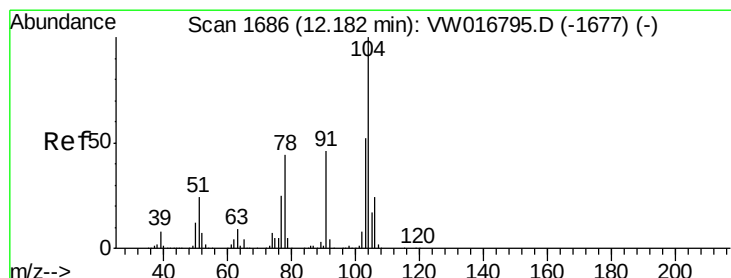
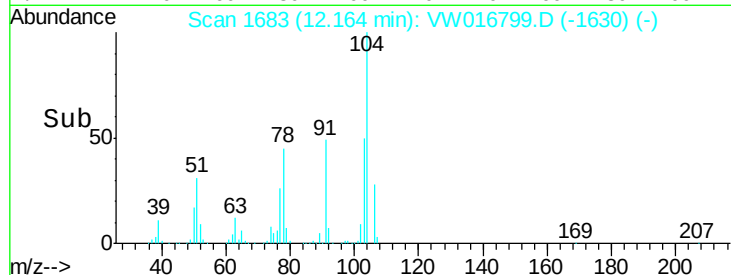
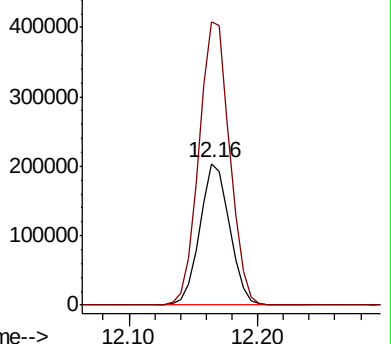
106 100

91 199.4 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.782 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016799.D

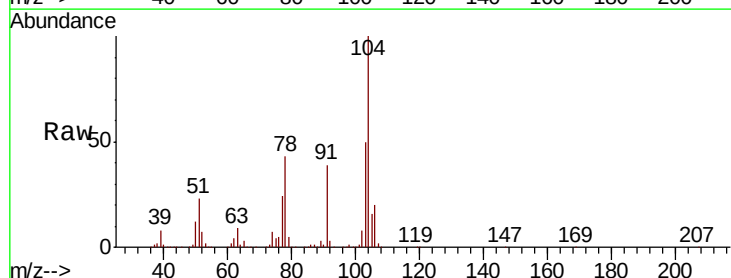
Acq: 06 Oct 2020 16:56

Tgt Ion:104 Resp: 554384

Ion Ratio Lower Upper

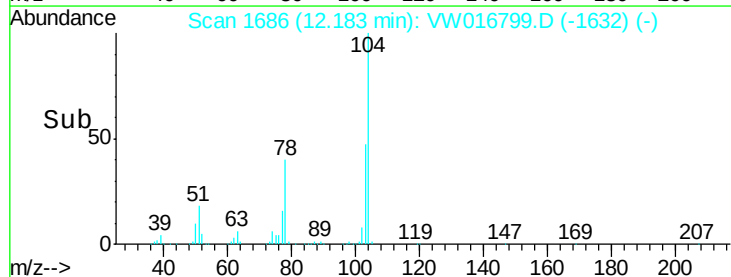
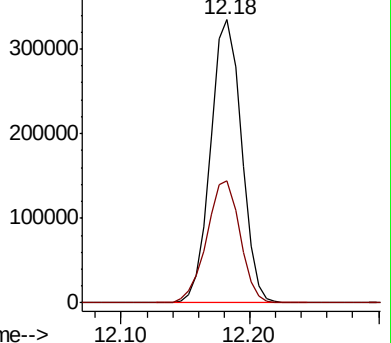
104 100

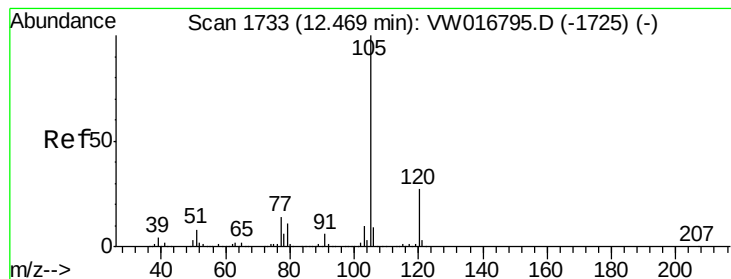
78 43.3 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.995 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

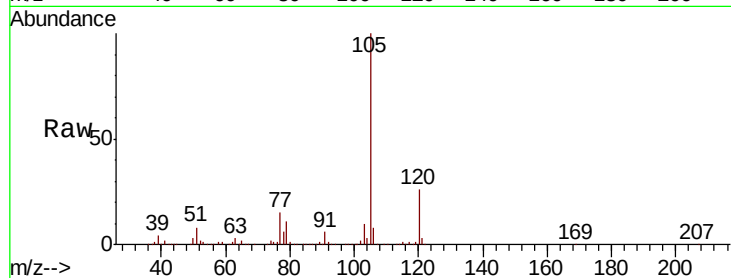
Tot Ion:105 Resp: 892936

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

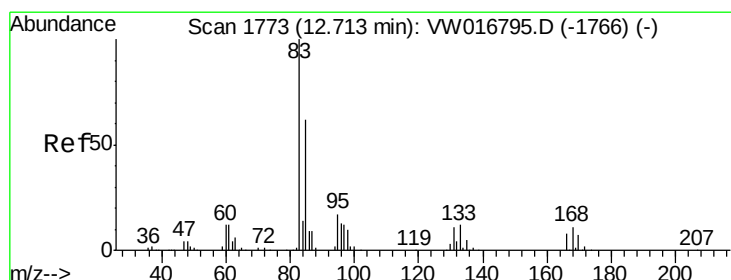
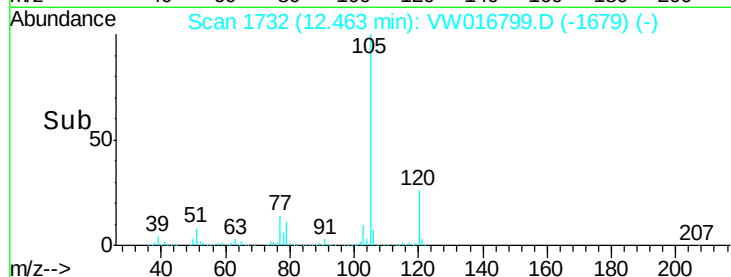
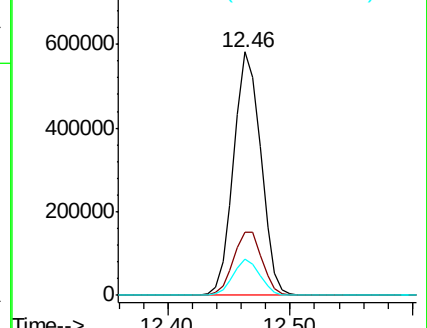
77 14.5 11.4 17.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 25.910 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

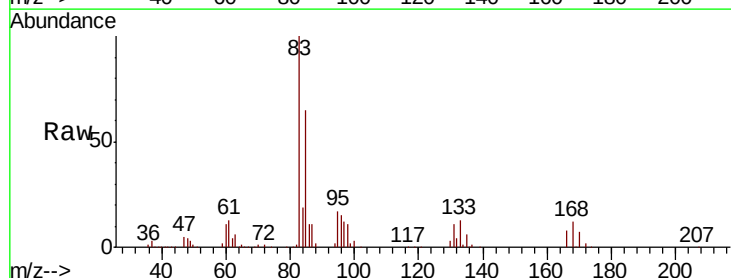
Tgt Ion: 83 Resp: 142781

Ion Ratio Lower Upper

83 100

85 64.9 43.3 80.5

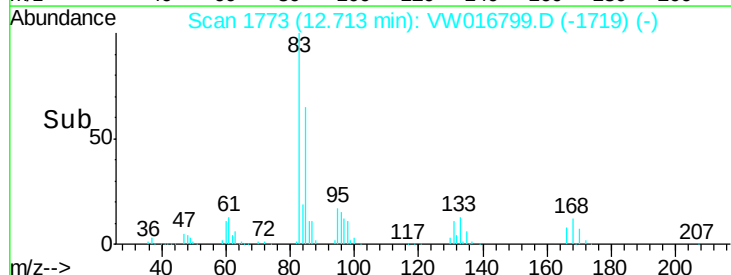
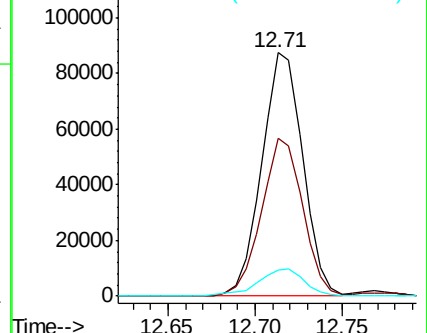
131 10.8 9.0 13.4

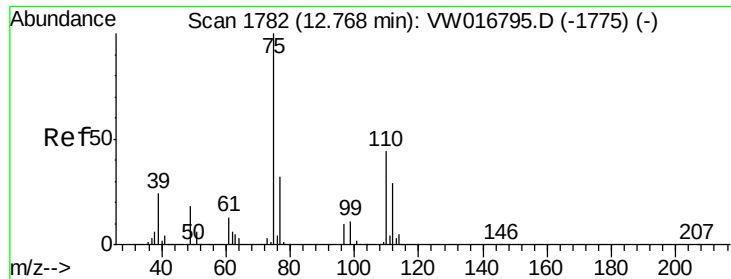


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

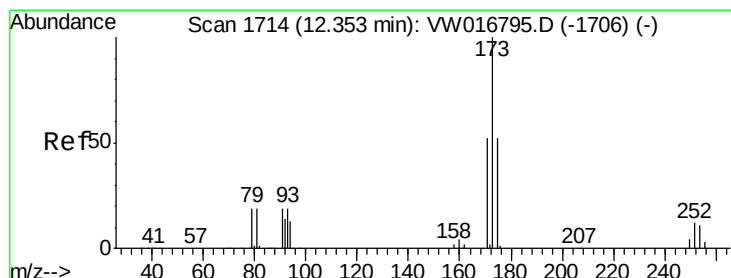
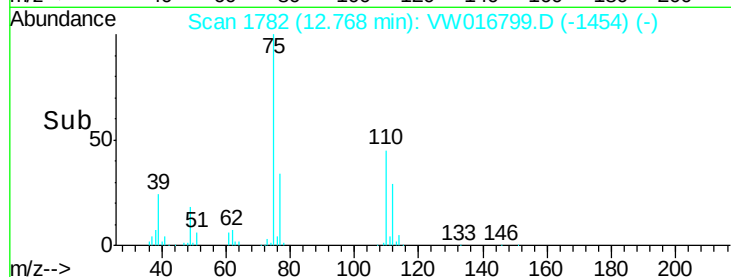
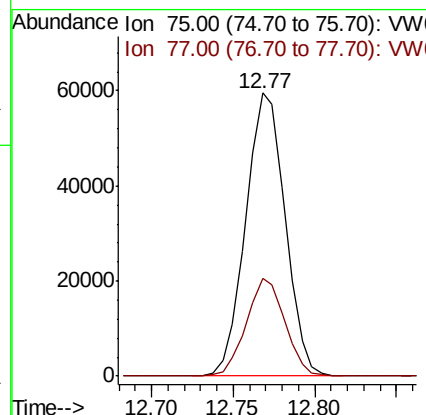
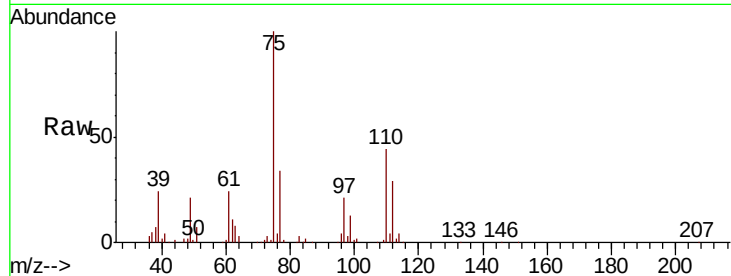




#59
 1,2,3-Trichloropropane
 Concen: 25.165 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

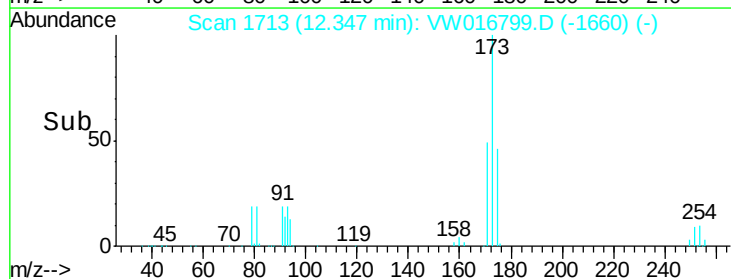
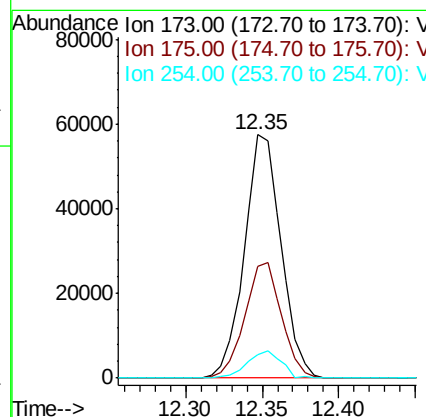
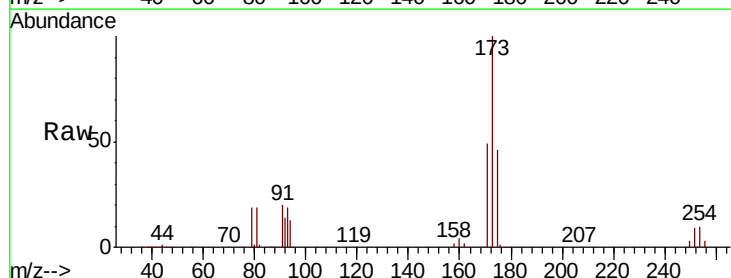
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

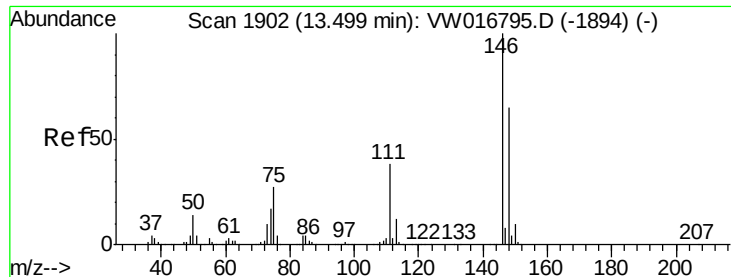
Tot Ion: 75 Resp: 100459
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.2



#62
 Bromoform
 Concen: 26.715 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Tgt Ion: 173 Resp: 95708
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.9 59.9
 254 10.0 8.7 13.1





#63

1,3-Dichlorobenzene

Concen: 25.658 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

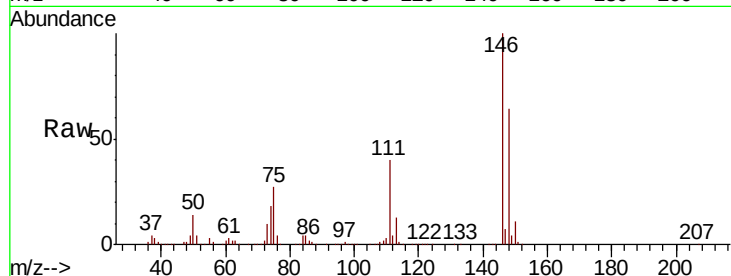
Tot Ion:146 Resp: 415860

Ion Ratio Lower Upper

146 100

111 39.5 26.9 49.9

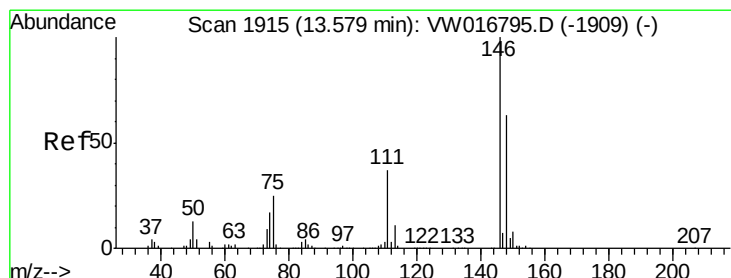
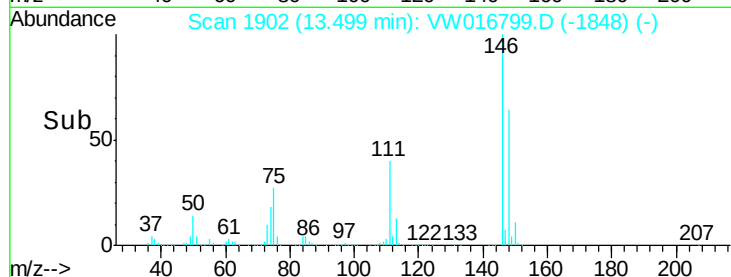
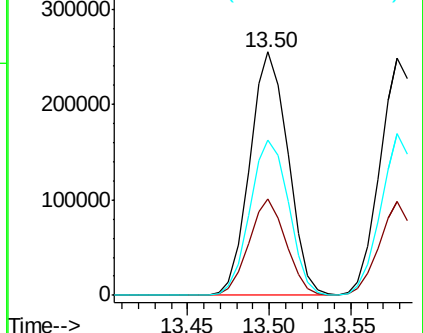
148 63.7 45.7 84.9



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



#64

1,4-Dichlorobenzene

Concen: 25.047 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

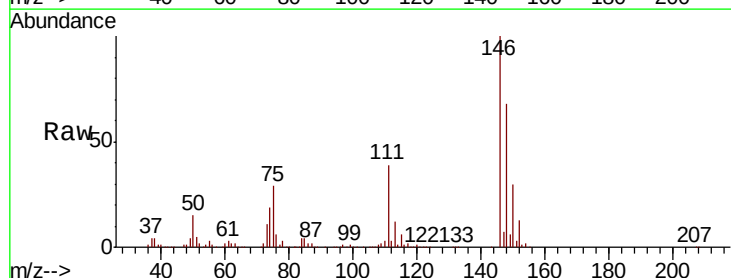
Tgt Ion:146 Resp: 406004

Ion Ratio Lower Upper

146 100

111 39.3 26.0 48.4

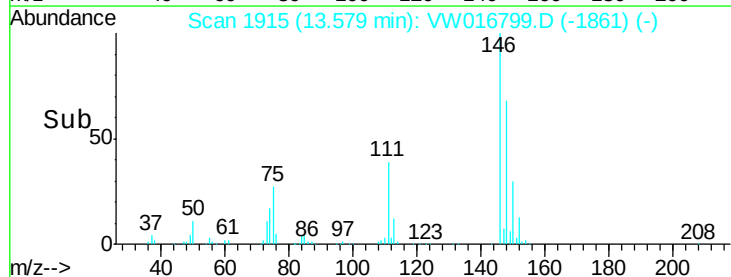
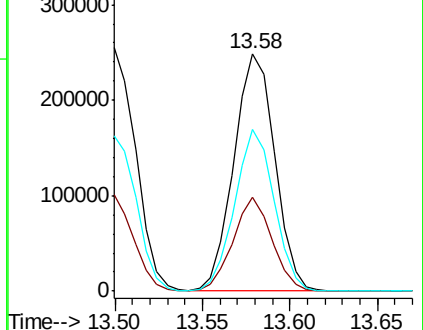
148 67.9 43.9 81.5

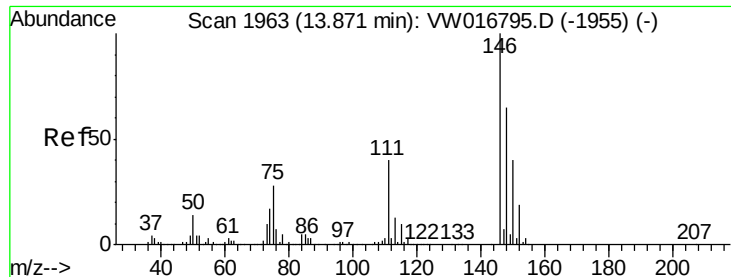


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.545 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

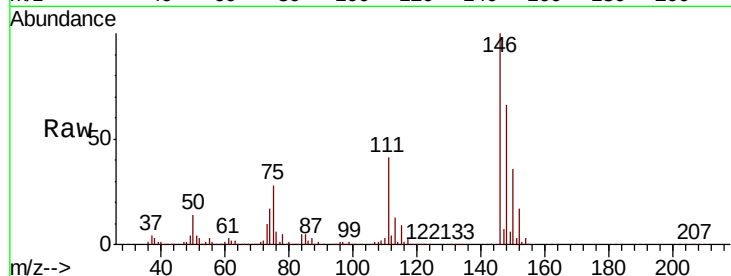
Tot Ion:146 Resp: 370704

Ion Ratio Lower Upper

146 100

111 40.9 32.1 48.1

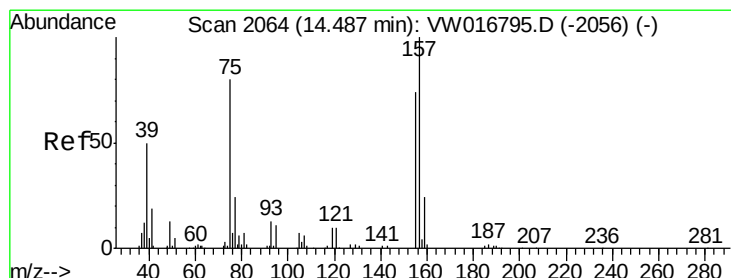
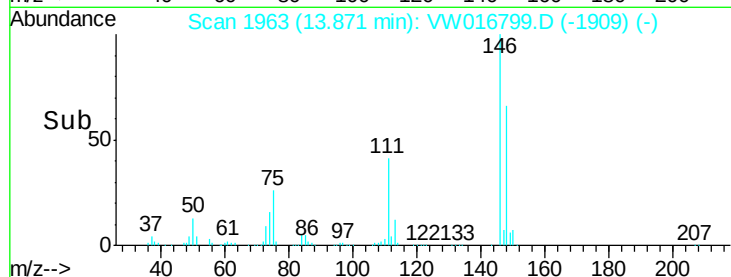
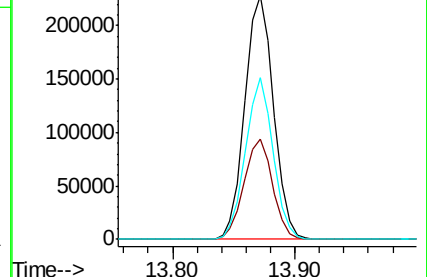
148 66.3 51.8 77.6



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: 25.124 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

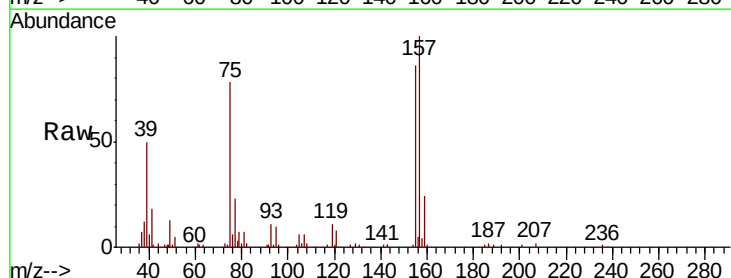
Tgt Ion: 75 Resp: 22116

Ion Ratio Lower Upper

75 100

157 127.5 100.5 150.7

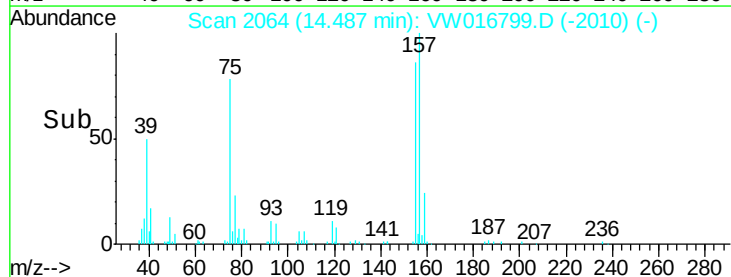
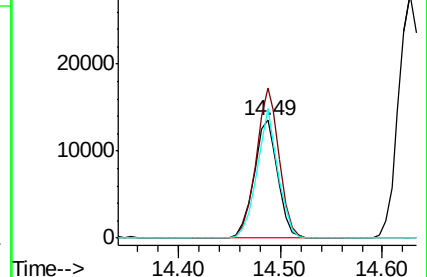
155 109.6 74.7 112.1

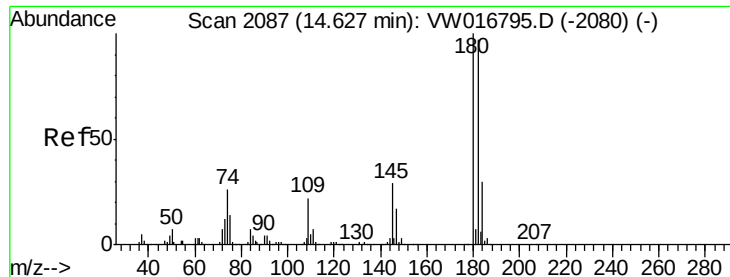


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

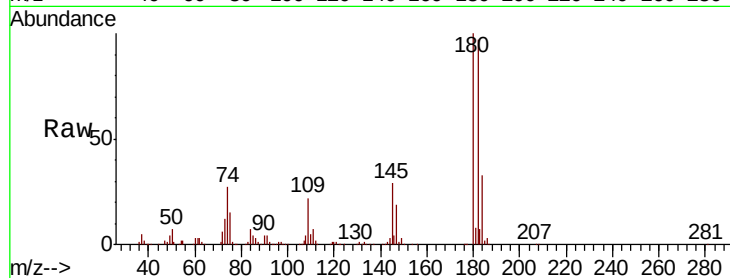




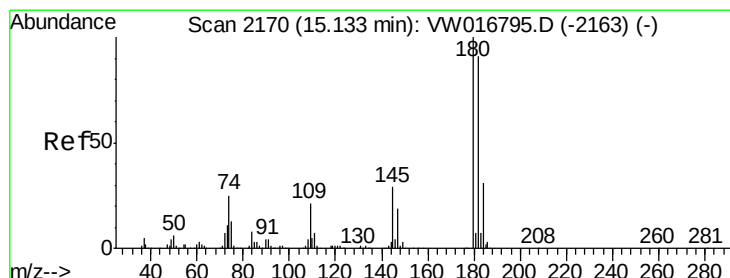
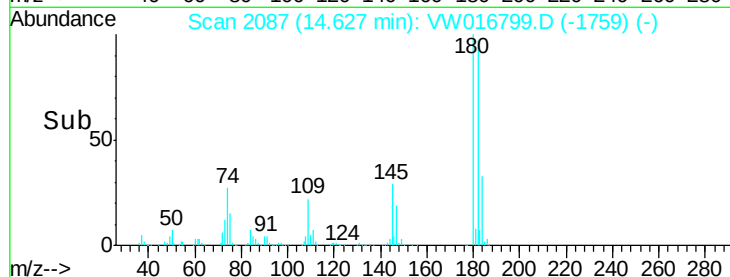
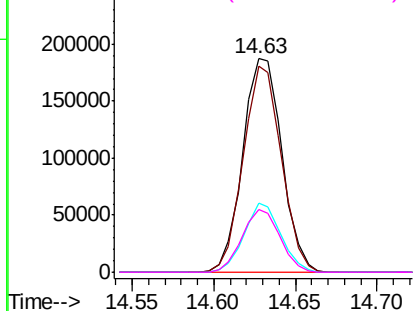
#67
 1,3,5-Trichlorobenzene
 Concen: 25.948 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tot Ion:180	Resp:	312610
Ion	Ratio	Lower Upper
180	100	
182	94.2	79.0 118.6
184	30.4	24.9 37.3
145	28.6	23.0 34.4

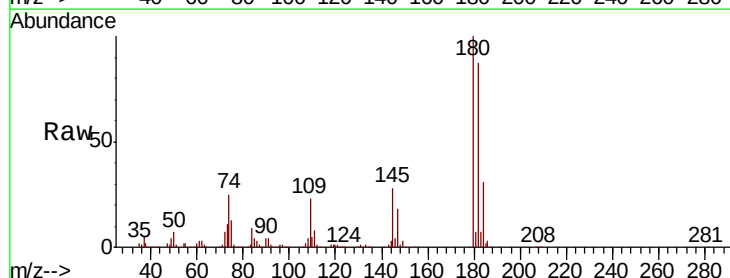


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

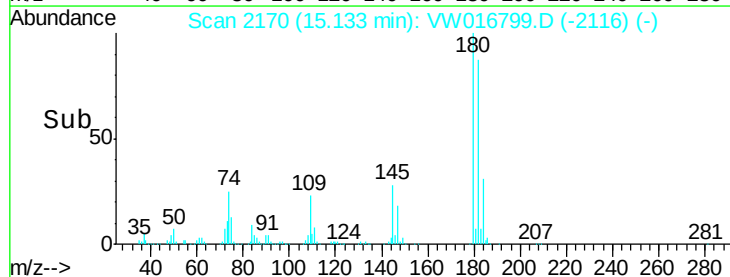
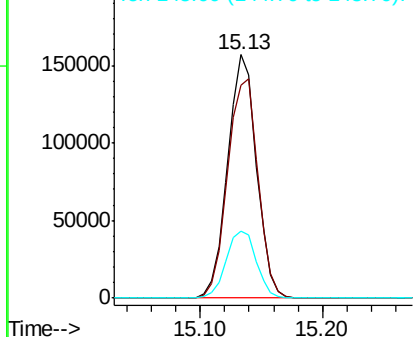


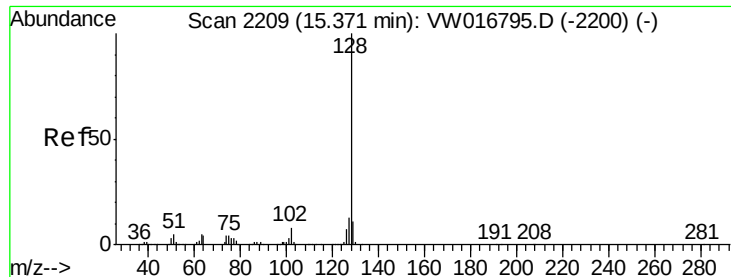
#68
 1,2,4-trichlorobenzene
 Concen: 25.789 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016799.D
 Acq: 06 Oct 2020 16:56

Tgt Ion:180	Resp:	255195
Ion	Ratio	Lower Upper
180	100	
182	94.8	74.2 111.2
145	28.9	23.4 35.0



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





#69

Naphthalene

Concen: 26.914 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

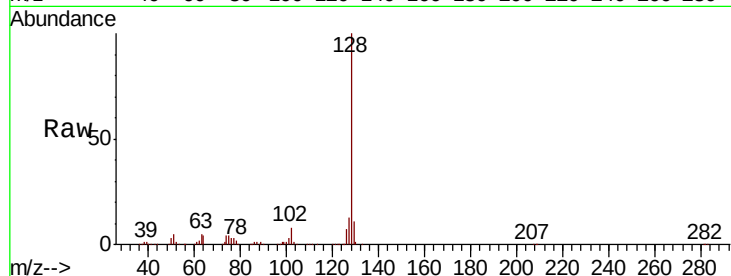
Tot Ion:128 Resp: 441025

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

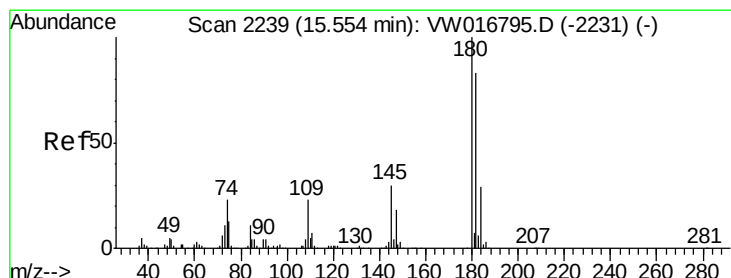
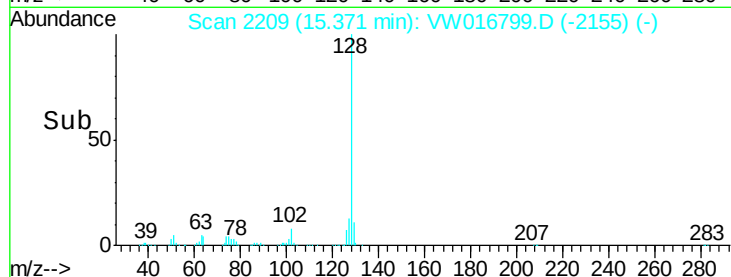
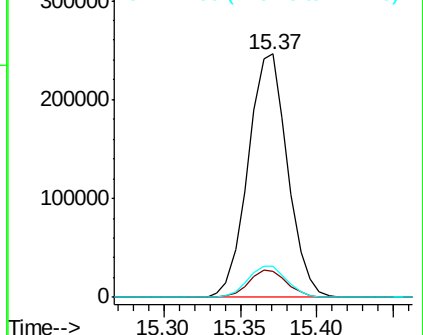
127 12.9 10.1 15.1



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: 26.311 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016799.D

Acq: 06 Oct 2020 16:56

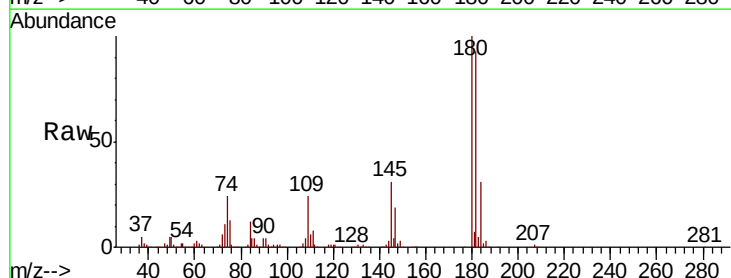
Tgt Ion:180 Resp: 223727

Ion Ratio Lower Upper

180 100

182 93.3 74.1 111.1

145 31.0 24.8 37.2



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

