

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016247.D
 Acq On : 18 Aug 2020 19:15
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Aug 19 05:53:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 05:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	379219	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360649	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177385	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	80715	17.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.68%
7) Chloroethane-d5	2.89	69	67732	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.92%
10) 1,1-Dichloroethene-d2	4.01	63	203843	20.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.64%
20) 2-Butanone-d5	7.09	46	68951	55.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.46%
24) Chloroform-d	7.65	84	228569	22.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	8.31	65	120821	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	8.27	84	445038	22.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.72%
33) 1,2-Dichloropropane-d6	9.27	67	129599	22.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.84%
37) Toluene-d8	10.32	98	407180	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.52%
38) trans-1,3-Dichloropropene-	10.58	79	59324	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.52%
39) 2-Hexanone-d5	10.93	63	59398	59.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128093	27.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	150779	23.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	82278	21.478	ug/L	92
3) Chloromethane	2.21	50	75974	19.970	ug/L	95
5) Vinyl chloride	2.37	62	109156	21.619	ug/L	100
6) Bromomethane	2.78	94	70678	22.351	ug/L	99
8) Chloroethane	2.93	64	62115	21.847	ug/L	93
9) Trichlorofluoromethane	3.26	101	89316	24.782	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	125960	24.730	ug/L	96
12) 1,1-Dichloroethene	4.03	96	120829	24.825	ug/L	90
13) Acetone	4.12	43	49092	52.455	ug/L	89
14) Carbon disulfide	4.37	76	361017	23.630	ug/L	99
15) Methyl Acetate	4.67	43	56302	25.585	ug/L	94
16) Methylene chloride	4.91	84	144459	24.125	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	176894	25.647	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	127248	24.854	ug/L	88
19) 1,1-Dichloroethane	6.21	63	214143	23.640	ug/L	98
21) 2-Butanone	7.18	43	72816	49.091	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	135689	25.123	ug/L	94

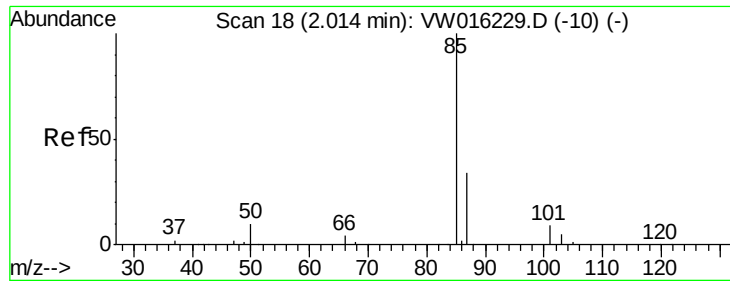
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 05:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65611	26.468	ug/L	90
25) Chloroform	7.68	83	228658	23.726	ug/L	99
27) 1,2-Dichloroethane	8.40	62	146185	22.772	ug/L	99
30) Cyclohexane	7.96	56	185803	23.678	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	191316	23.086	ug/L	99
32) Carbon tetrachloride	8.07	117	181051	23.099	ug/L	98
34) Benzene	8.32	78	501536	24.115	ug/L	100
35) Trichloroethene	9.09	95	132300	23.658	ug/L	94
36) Methylcyclohexane	9.34	83	225547	24.483	ug/L	97
40) 1,2-Dichloropropane	9.37	63	123220	24.126	ug/L	99
41) Bromodichloromethane	9.65	83	165565	23.598	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	194702	25.032	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	159188	51.821	ug/L	96
44) Toluene	10.39	91	545363	24.841	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	173156	24.782	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	103391	25.718	ug/L	99
47) Tetrachloroethene	10.87	164	109227	26.054	ug/L	93
49) 2-Hexanone	10.97	43	113058	54.543	ug/L	95
50) Dibromochloromethane	11.13	129	122721	25.918	ug/L	99
51) 1,2-Dibromoethane	11.24	107	101649	26.670	ug/L	100
52) Chlorobenzene	11.66	112	358151	24.656	ug/L	93
53) Ethylbenzene	11.73	91	617392	24.786	ug/L	100
54) m,p-Xylene	11.84	106	237005	25.294	ug/L	95
55) o-xylene	12.17	106	222866	25.252	ug/L	98
56) Styrene	12.18	104	399374	26.137	ug/L	96
57) Isopropylbenzene	12.47	105	612737	25.750	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	125526	26.760	ug/L	92
59) 1,2,3-Trichloropropane	12.77	75	94261	26.525	ug/L	98
62) Bromoform	12.35	173	68812	25.653	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	274581	24.508	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	277279	24.294	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	254787	24.804	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	21525	23.897	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.63	180	181380	25.657	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	154491	26.963	ug/L	94
69) Naphthalene	15.37	128	339561	28.076	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	139780	26.852	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 21.478 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

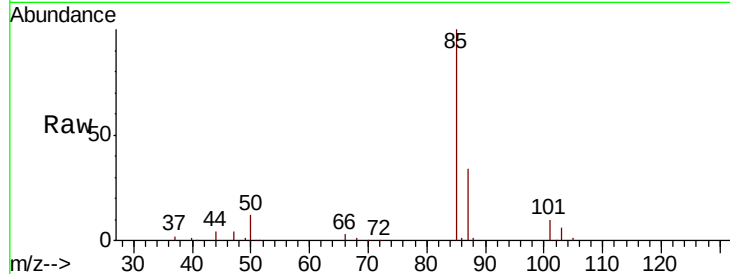
VSTD02518

Tot Ion: 85 Resp: 82278

Ion Ratio Lower Upper

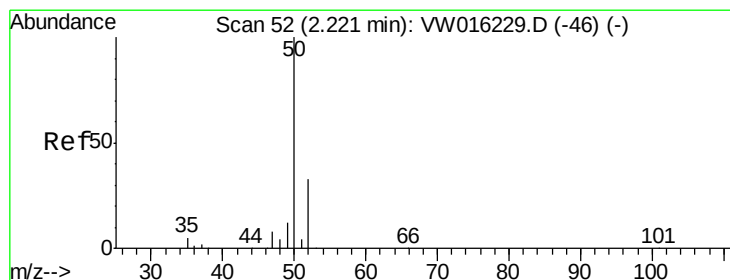
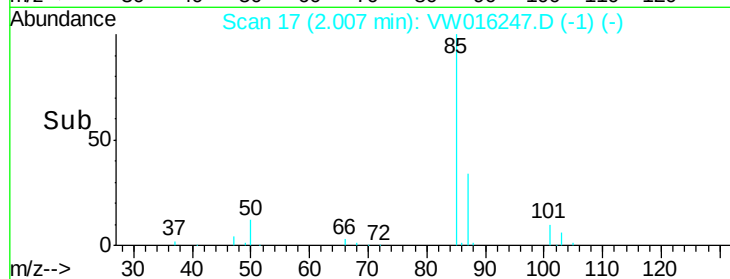
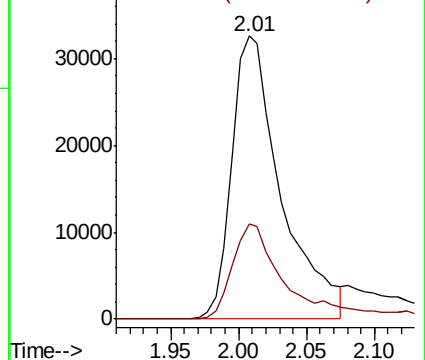
85 100

87 36.1 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.970 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016247.D

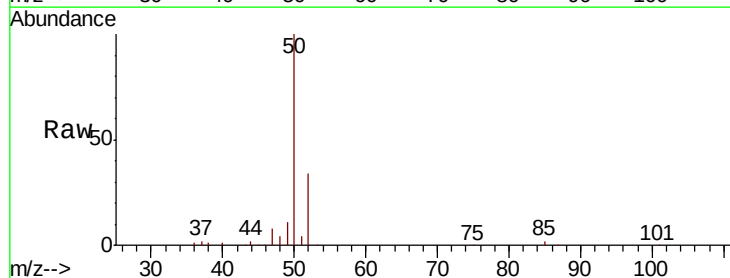
Acq: 18 Aug 2020 19:15

Tgt Ion: 50 Resp: 75974

Ion Ratio Lower Upper

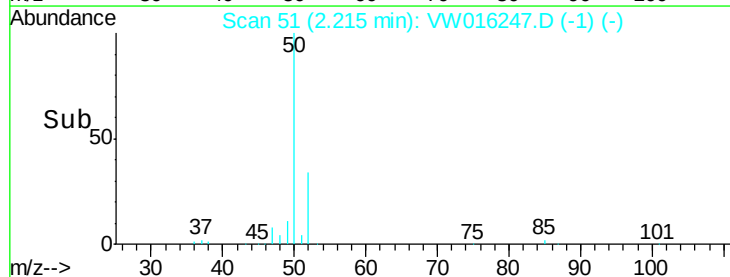
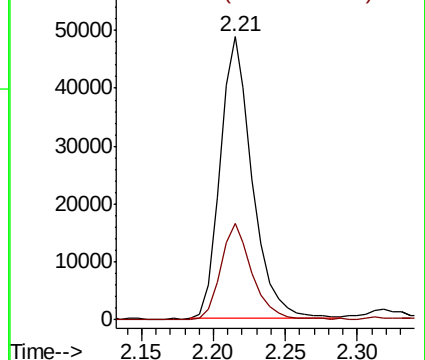
50 100

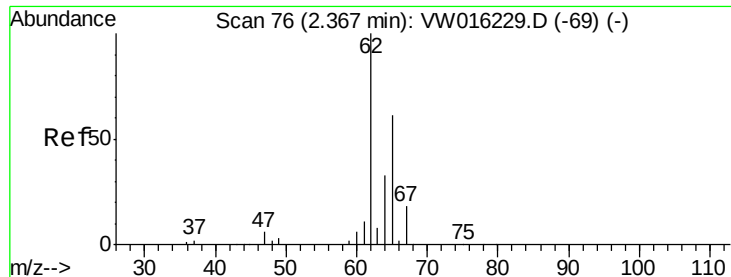
52 34.0 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.619 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

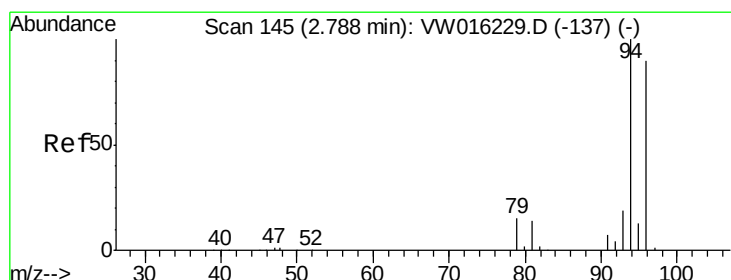
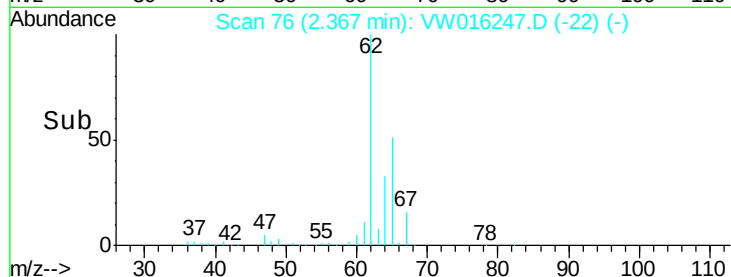
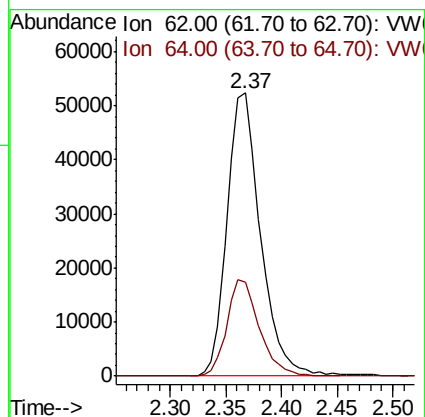
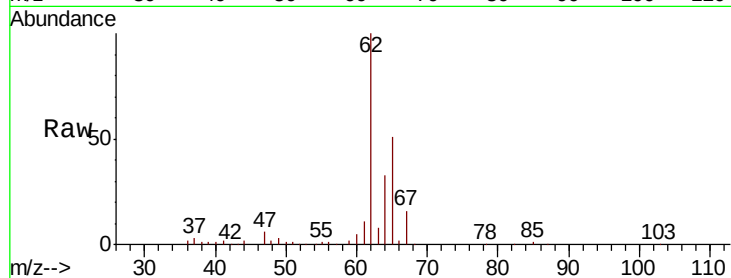
VSTD02518

Tot Ion: 62 Resp: 109156

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



#6

Bromomethane

Concen: 22.351 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016247.D

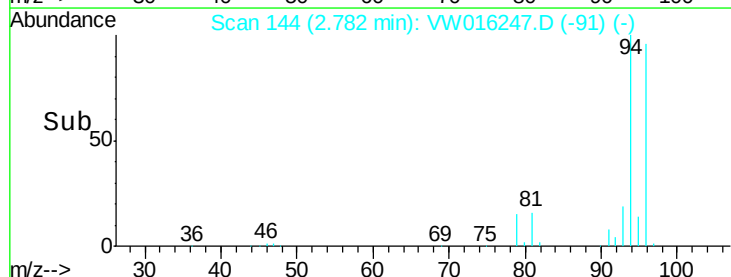
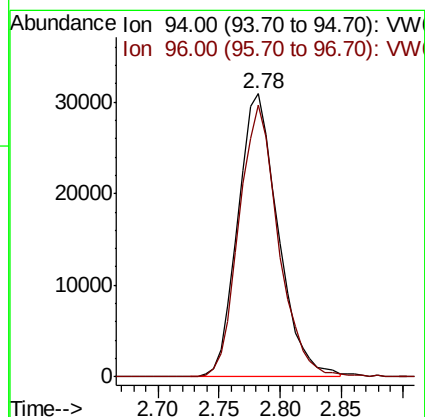
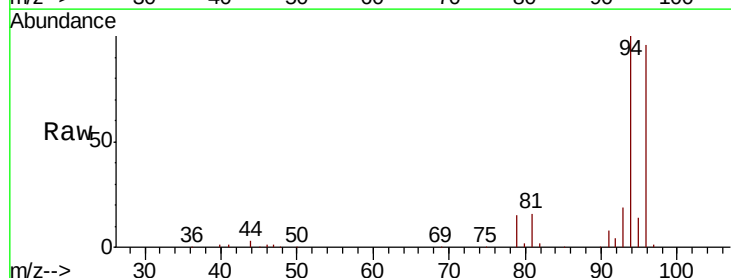
Acq: 18 Aug 2020 19:15

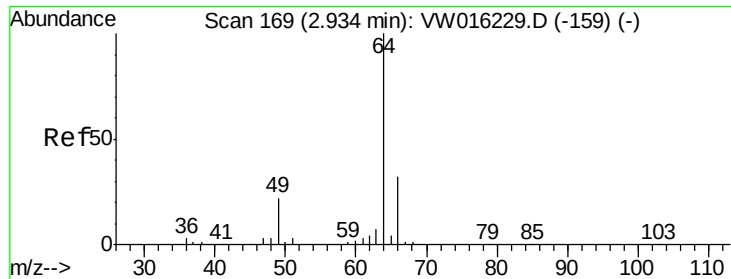
Tgt Ion: 94 Resp: 70678

Ion Ratio Lower Upper

94 100

96 93.1 9.4 178.2





#8

Chloroethane

Concen: 21.847 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

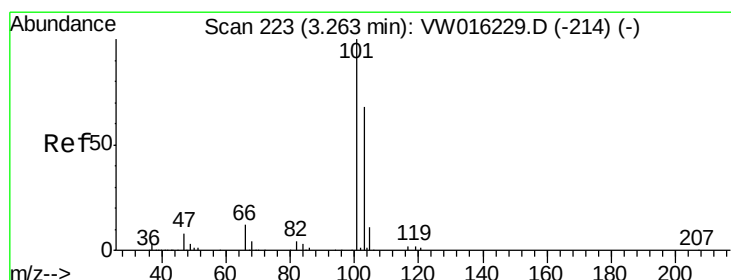
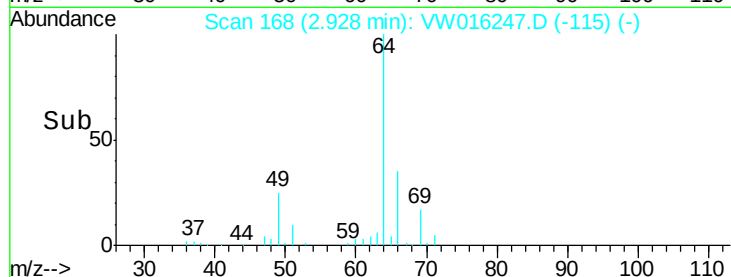
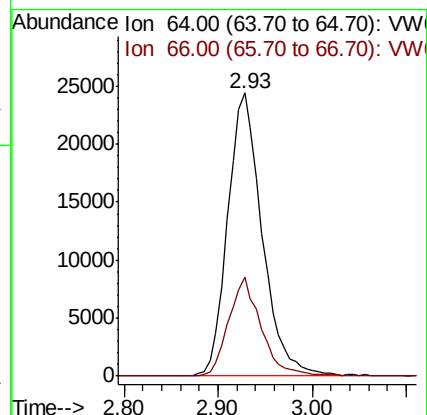
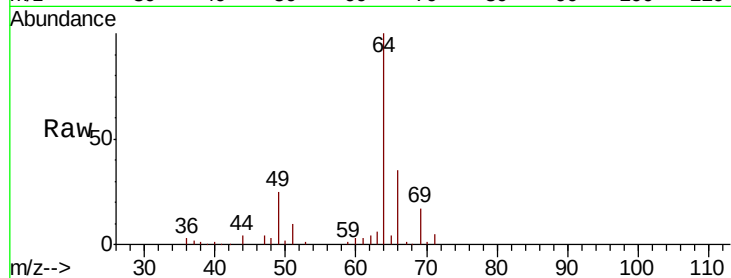
VSTD02518

Tot Ion: 64 Resp: 62115

Ion Ratio Lower Upper

64 100

66 35.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 24.782 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW016247.D

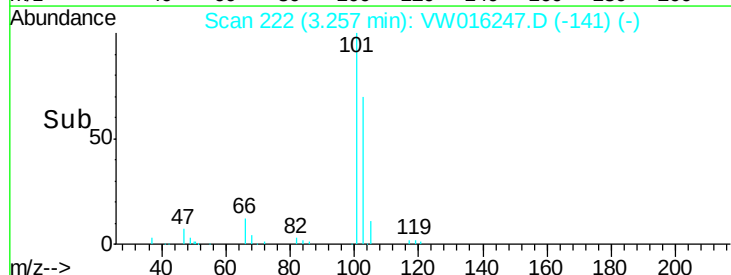
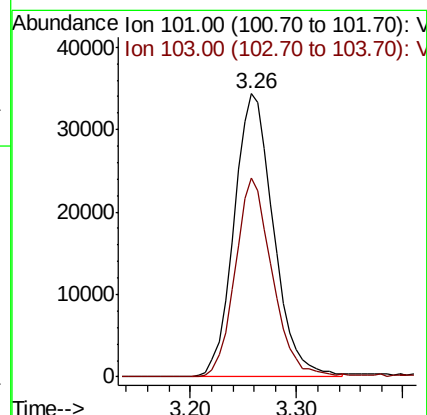
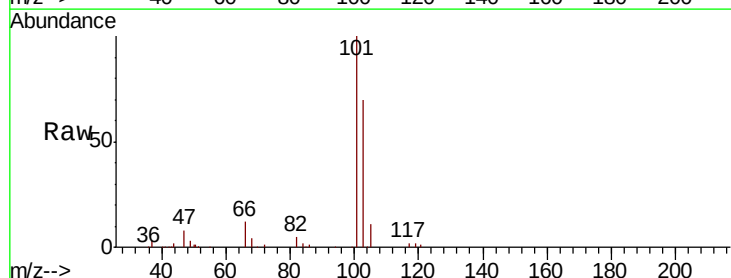
Acq: 18 Aug 2020 19:15

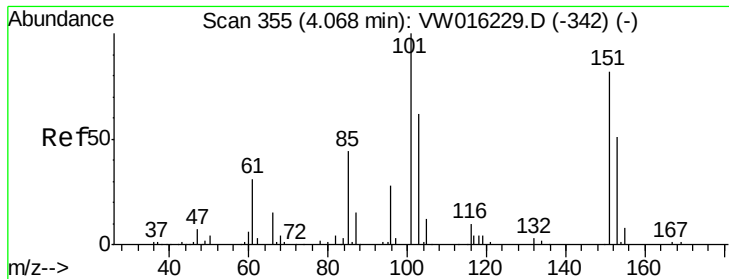
Tgt Ion: 101 Resp: 89316

Ion Ratio Lower Upper

101 100

103 66.1 45.6 84.6





#11

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

Concen: 24.730 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

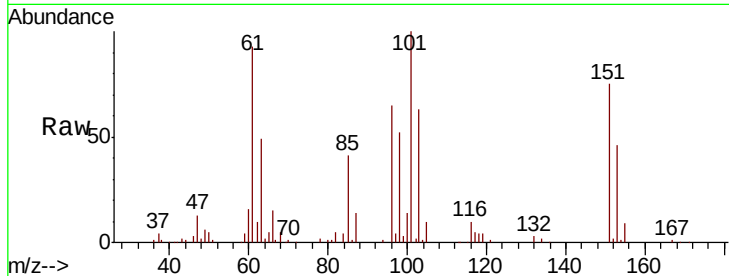
Tot Ion:101 Resp: 125960

Ion Ratio Lower Upper

101 100

85 40.3 34.2 51.4

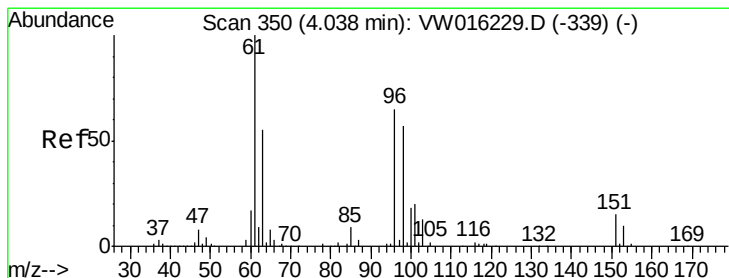
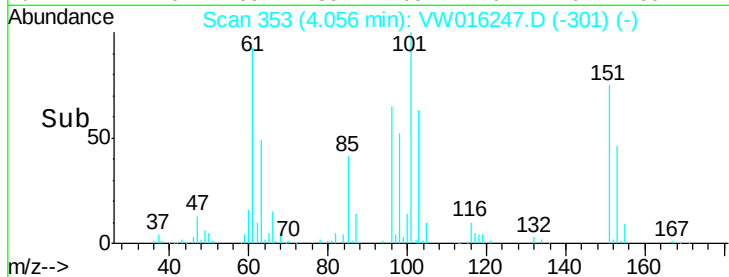
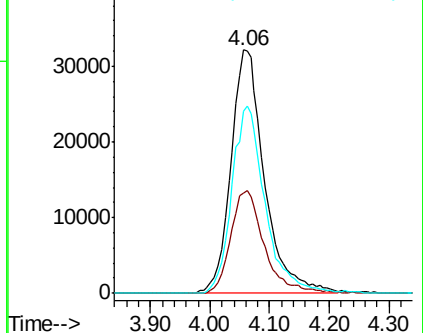
151 75.1 57.4 86.2



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: 24.825 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

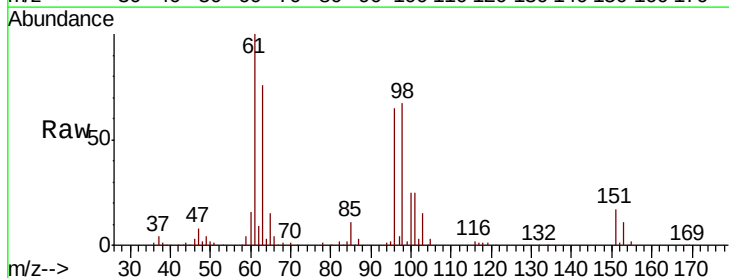
Tgt Ion: 96 Resp: 120829

Ion Ratio Lower Upper

96 100

61 154.6 120.2 223.2

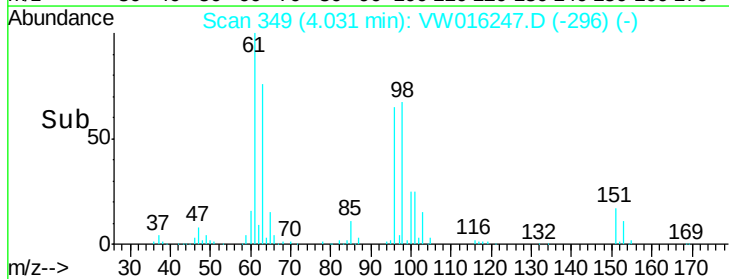
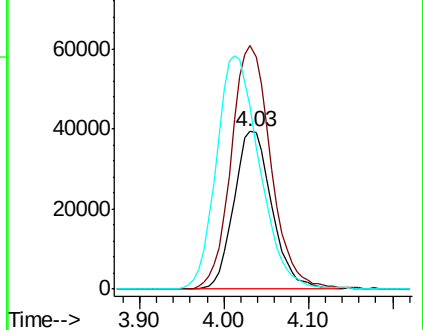
63 116.7 86.4 160.4

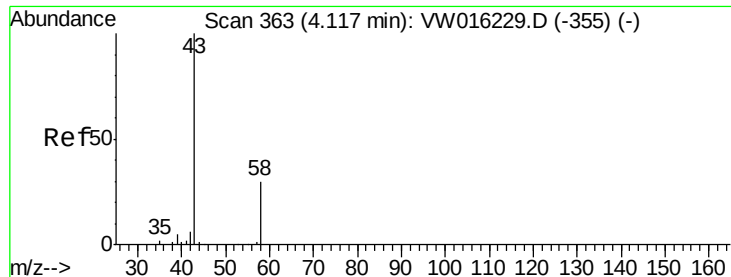


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.455 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

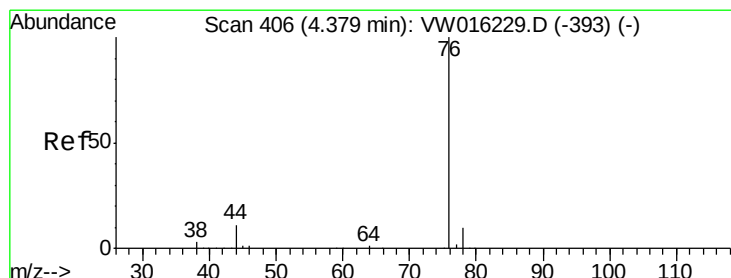
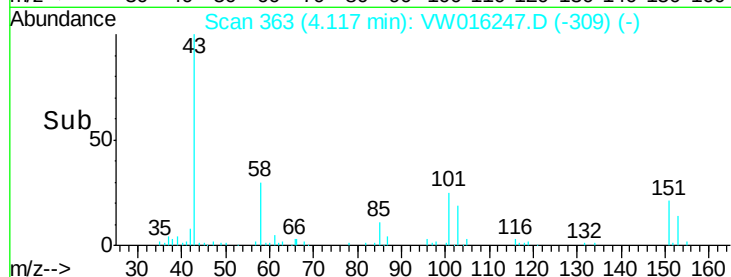
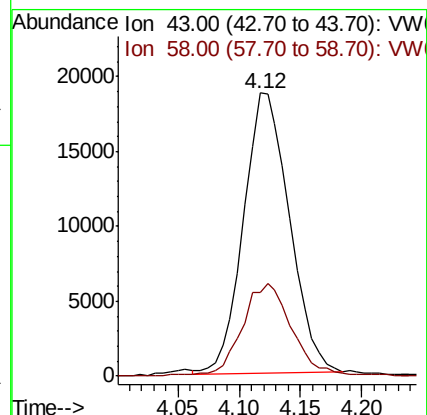
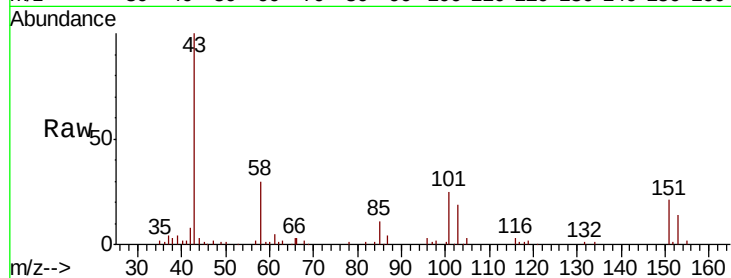
VSTD02518

Tot Ion: 43 Resp: 49092

Ion Ratio Lower Upper

43 100

58 35.4 0.0 59.4



#14

Carbon disulfide

Concen: 23.630 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016247.D

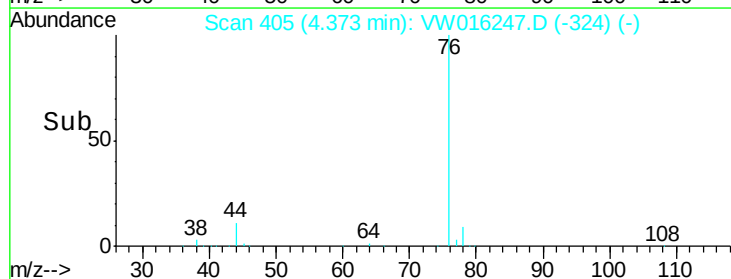
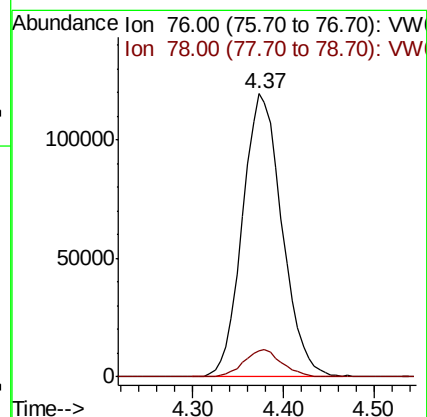
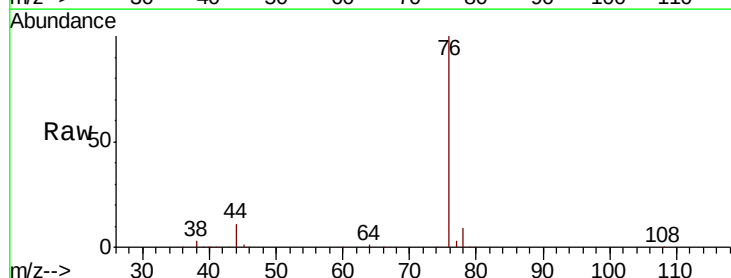
Acq: 18 Aug 2020 19:15

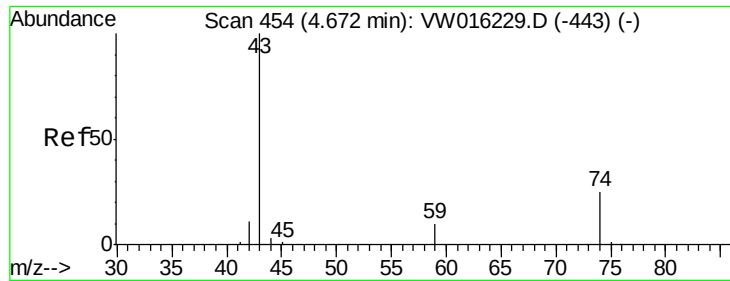
Tgt Ion: 76 Resp: 361017

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

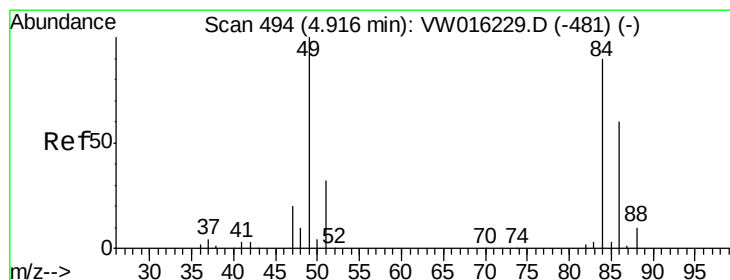
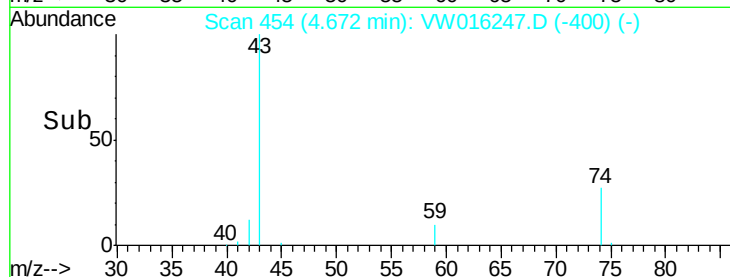
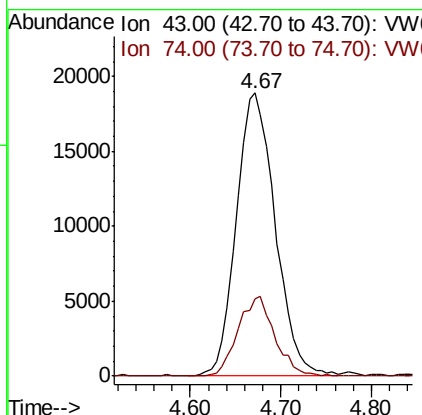
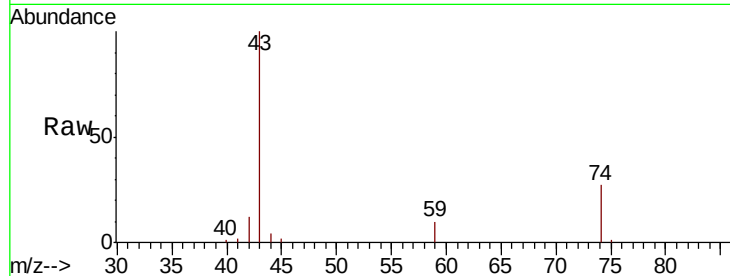




#15
Methvl Acetate
Concen: 25.585 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

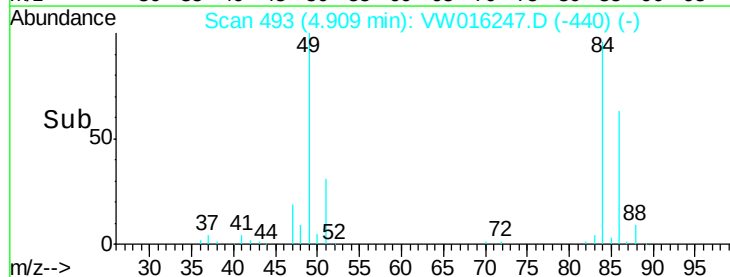
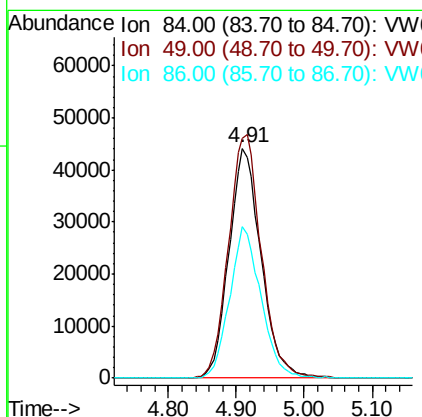
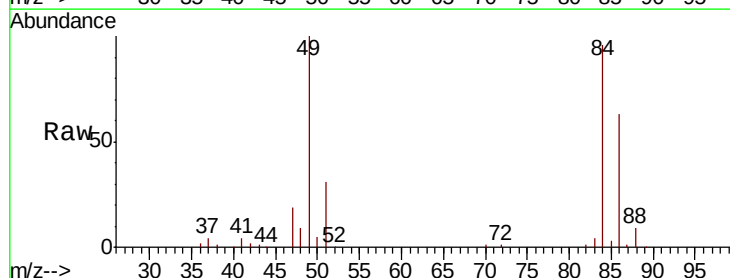
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

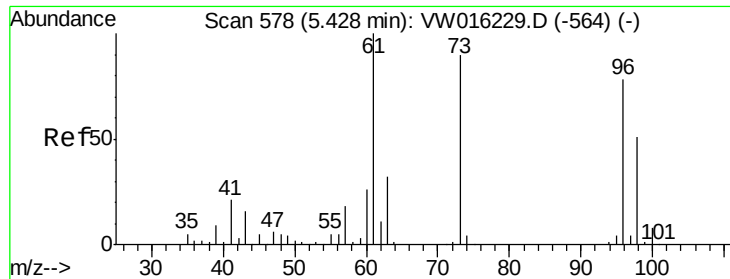
Tot Ion: 43 Resp: 56302
Ion Ratio Lower Upper
43 100
74 26.4 18.9 28.3



#16
Methylene chloride
Concen: 24.125 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion: 84 Resp: 144459
Ion Ratio Lower Upper
84 100
49 104.2 80.4 149.4
86 65.8 43.8 81.3

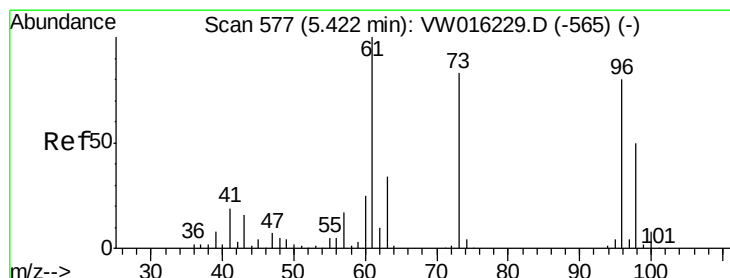
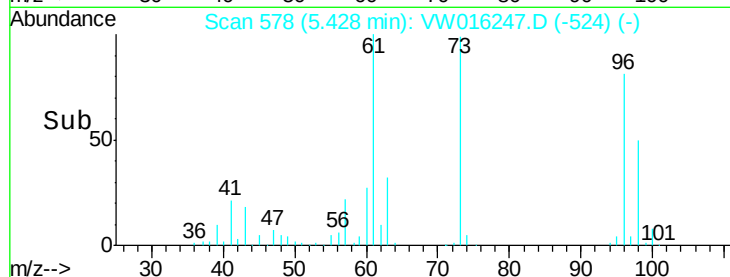
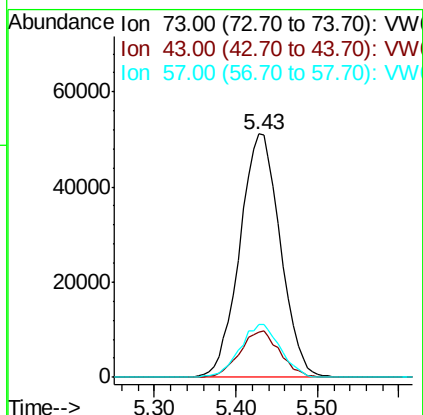
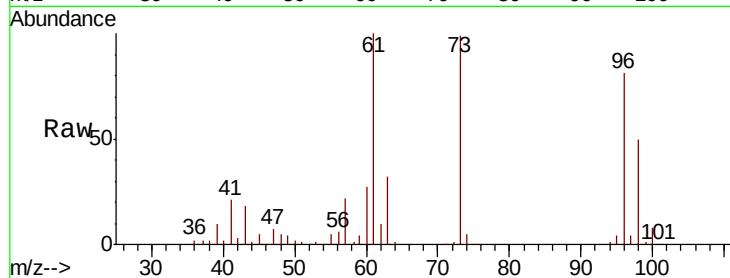




#17
Methyl tert-butyl Ether
Concen: 25.647 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

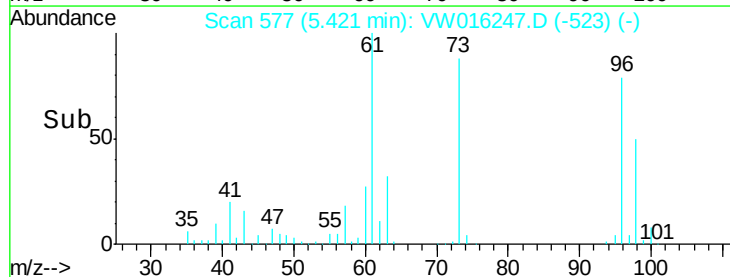
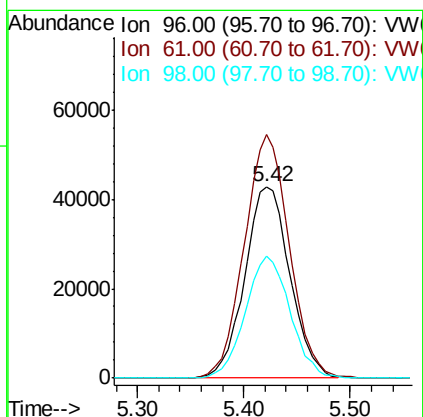
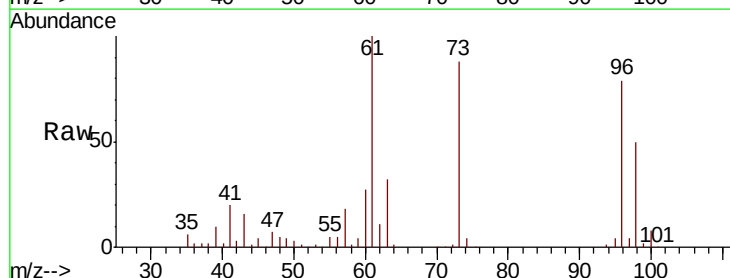
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

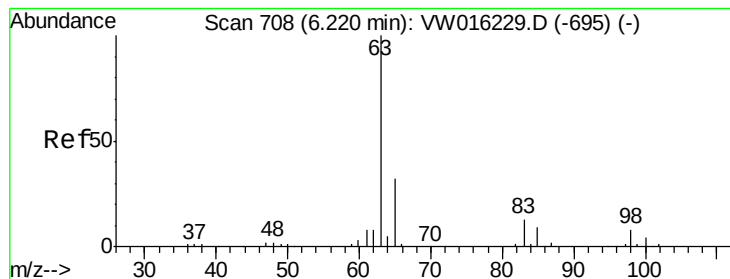
Tot Ion: 73 Resp: 176894
Ion Ratio Lower Upper
73 100
43 18.8 16.6 24.8
57 21.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.854 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion: 96 Resp: 127248
Ion Ratio Lower Upper
96 100
61 127.1 101.6 188.8
98 63.9 47.7 88.7





#19

1,1-Dichloroethane

Concen: 23.640 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

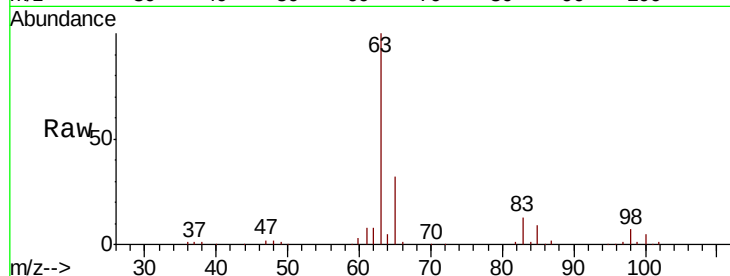
Tot Ion: 63 Resp: 214143

Ion Ratio Lower Upper

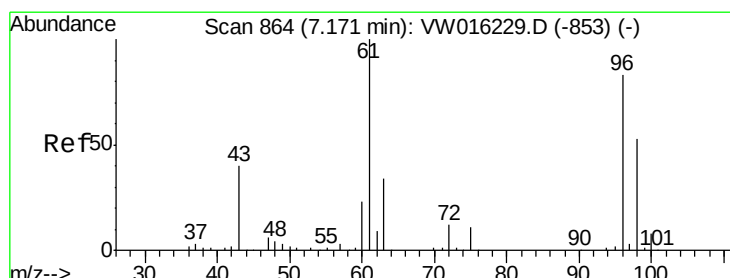
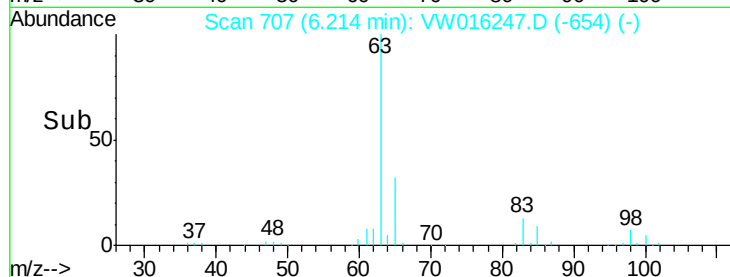
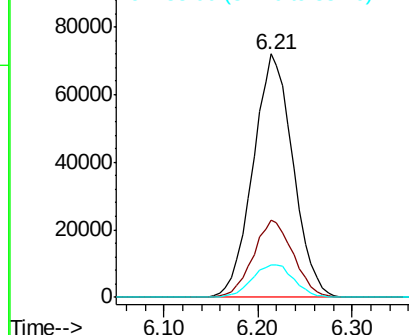
63 100

65 31.6 21.6 40.0

83 13.2 9.8 18.2



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: 49.091 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016247.D

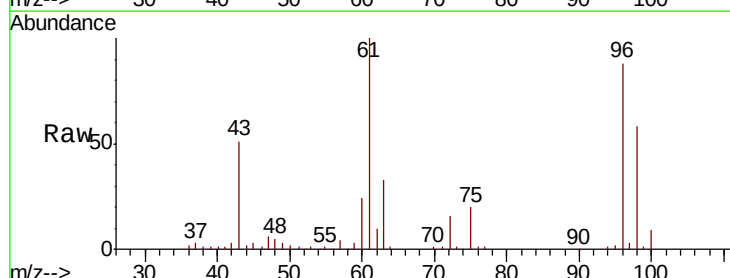
Acq: 18 Aug 2020 19:15

Tgt Ion: 43 Resp: 72816

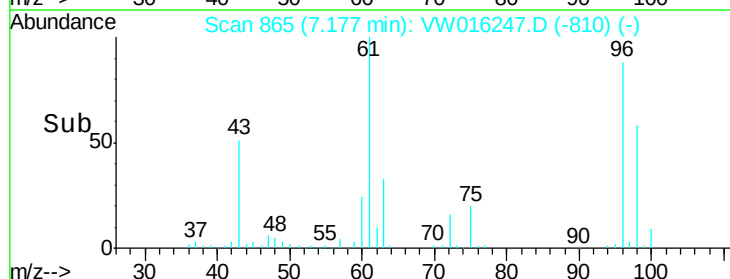
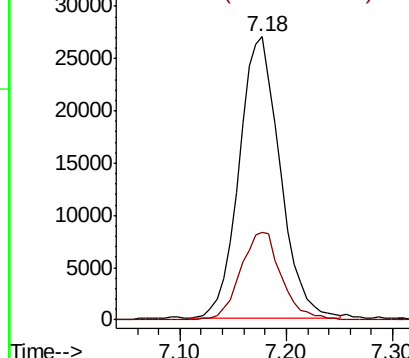
Ion Ratio Lower Upper

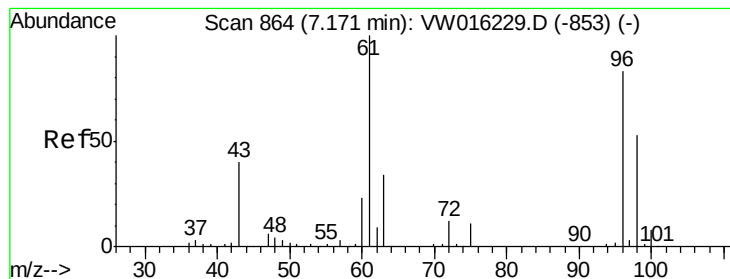
43 100

72 31.0 13.9 41.7



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: 25.123 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

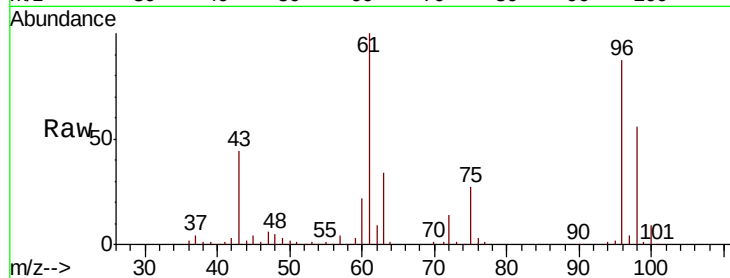
Tot Ion: 96 Resp: 135689

Ion Ratio Lower Upper

96 100

61 115.2 87.0 161.6

98 64.8 44.0 81.6

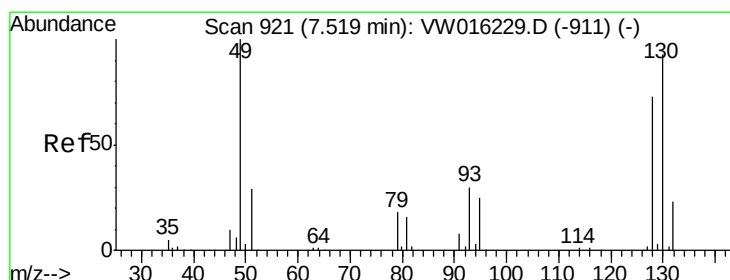
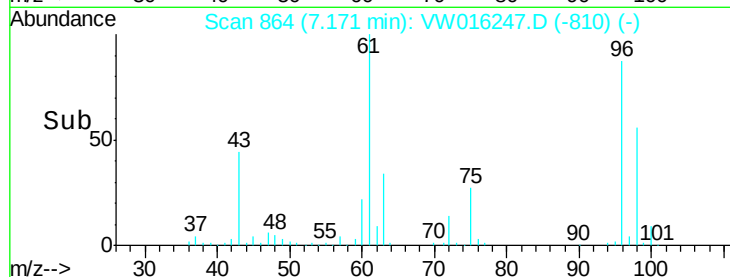
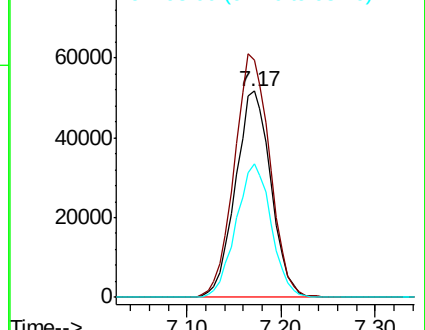


Abundance

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: 26.468 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Tgt Ion: 128 Resp: 65611

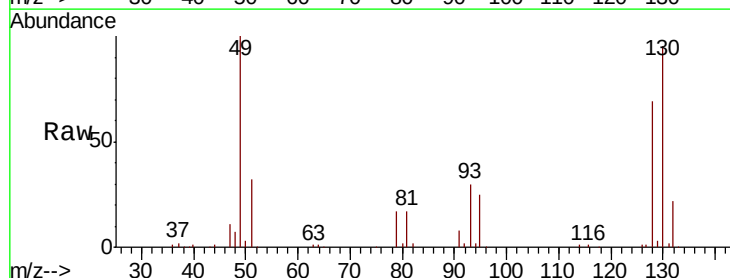
Ion Ratio Lower Upper

128 100

49 144.0 111.8 207.6

130 136.9 90.6 168.3

51 45.5 42.6 63.8



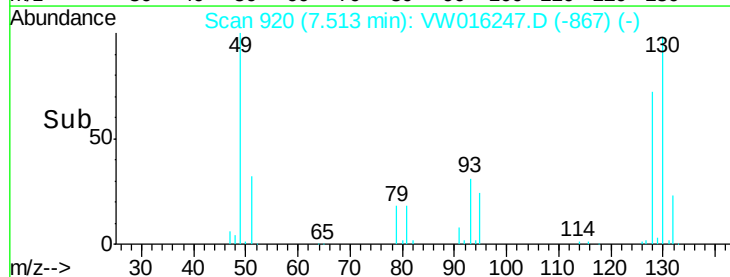
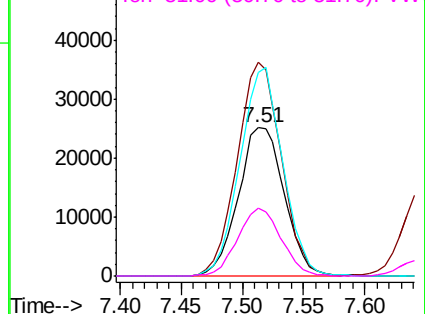
Abundance

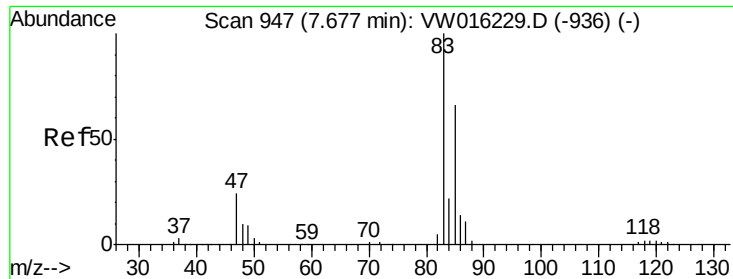
Ion 128.00 (127.70 to 128.70): V

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

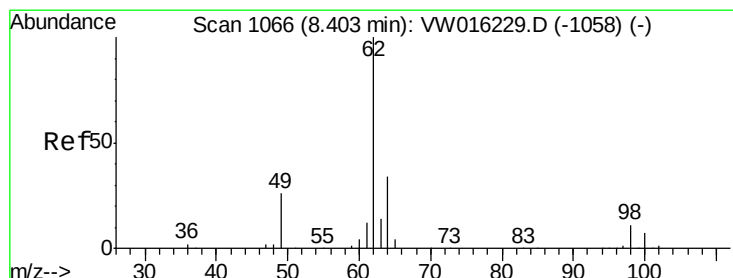
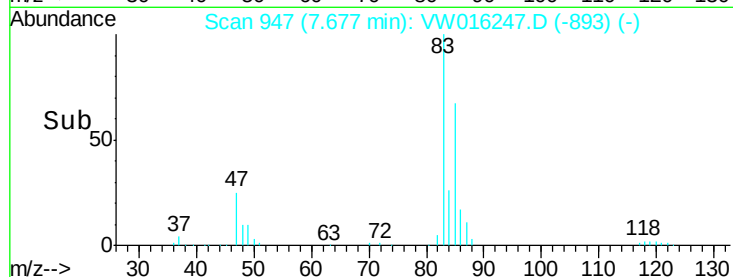
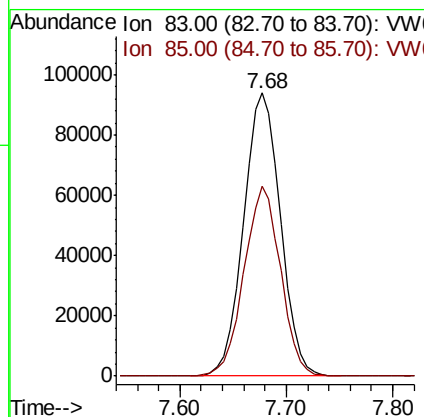
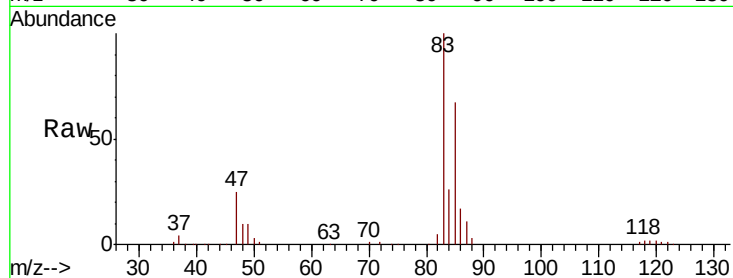




#25
Chloroform
Concen: 23.726 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

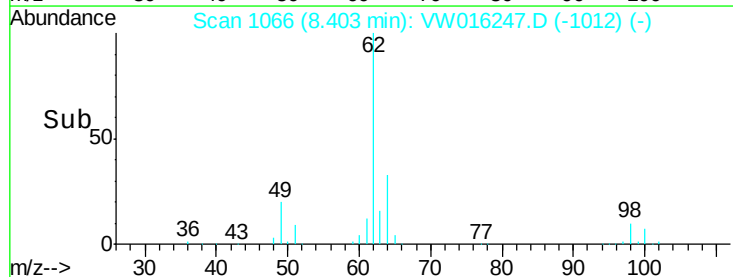
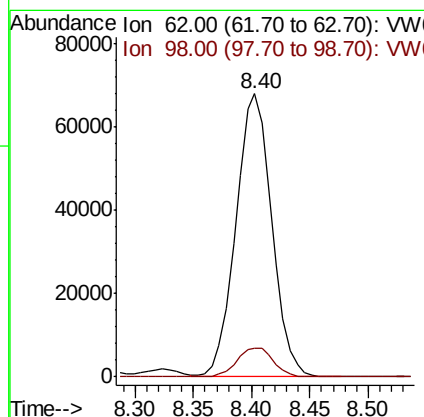
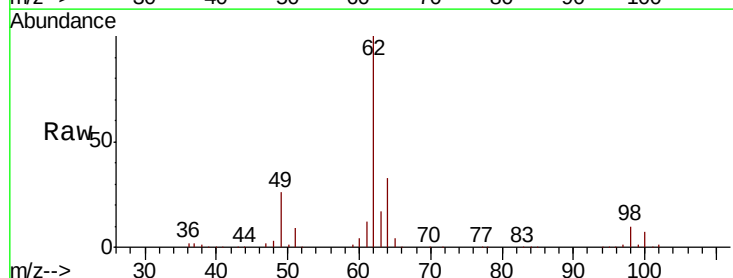
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

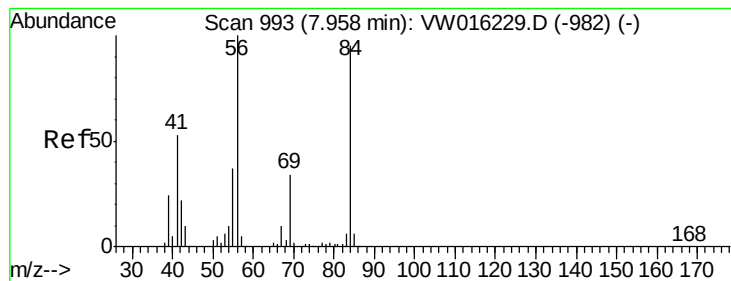
Tot Ion: 83 Resp: 228658
Ion Ratio Lower Upper
83 100
85 66.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 22.772 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion: 62 Resp: 146185
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5





#30

Cyclohexane

Concen: 23.678 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

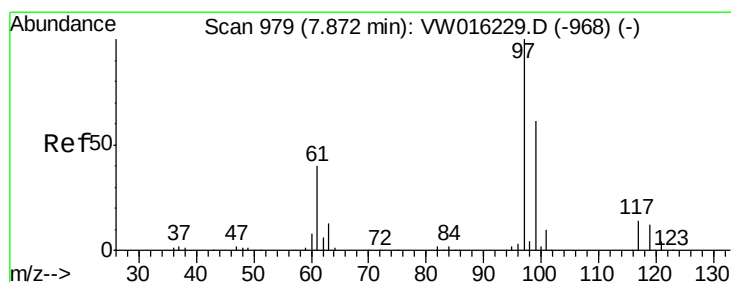
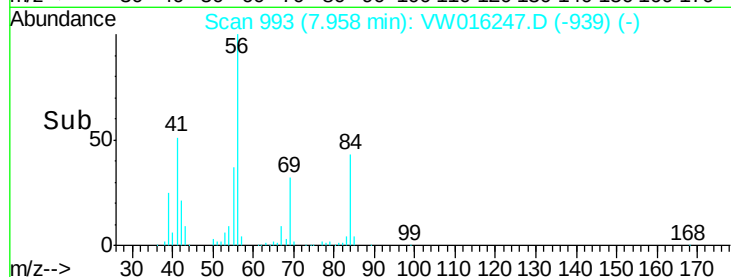
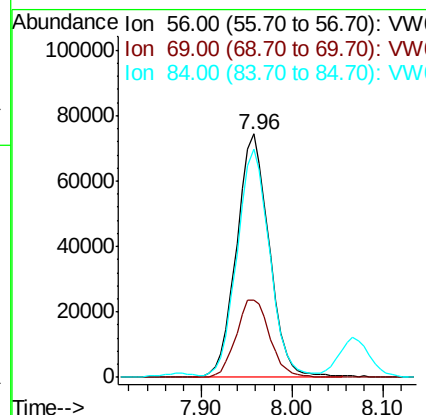
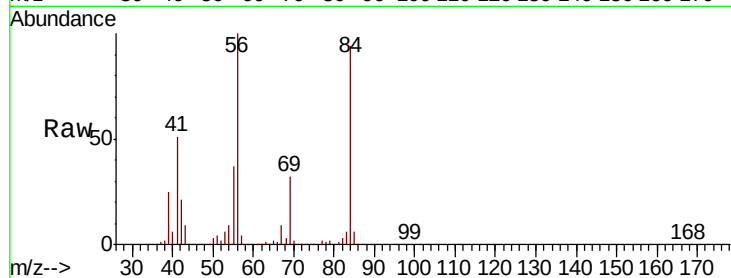
Tot Ion: 56 Resp: 185803

Ion Ratio Lower Upper

56 100

69 32.8 25.4 38.0

84 94.1 73.0 109.6



#31

1,1,1-Trichloroethane

Concen: 23.086 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

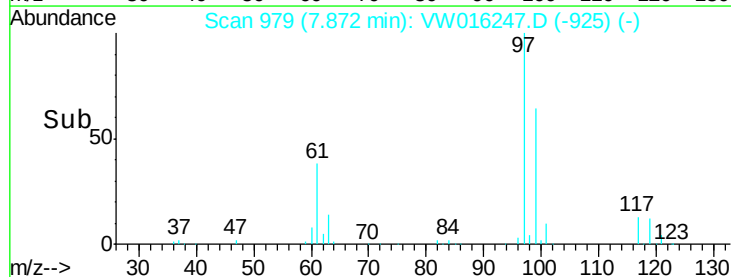
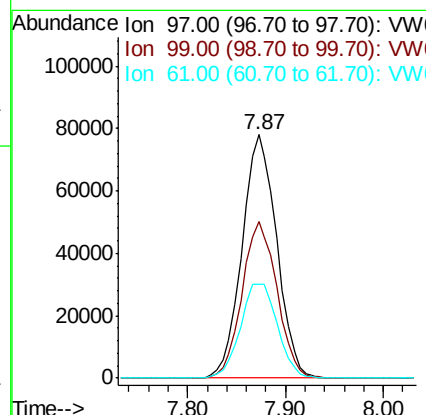
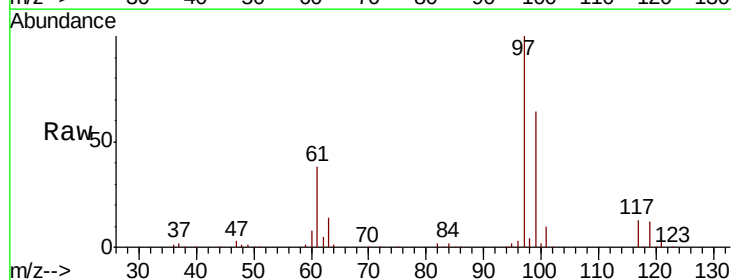
Tgt Ion: 97 Resp: 191316

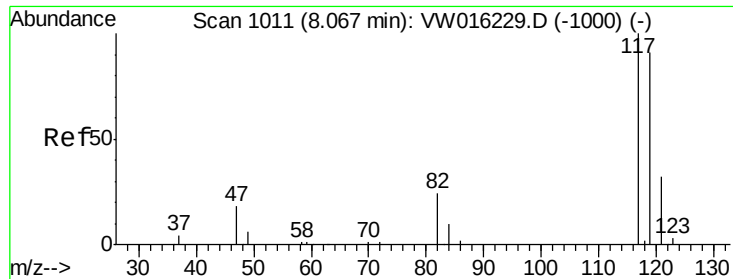
Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 41.6 34.5 51.7





#32

Carbon tetrachloride

Concen: 23.099 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

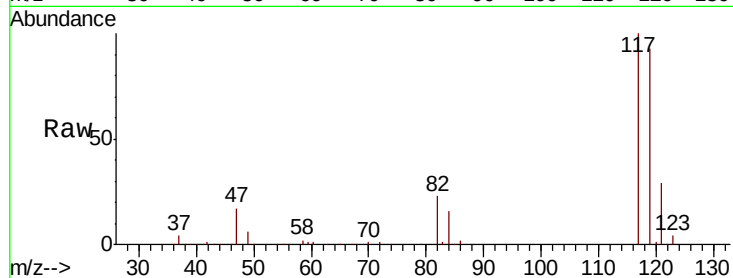
VSTD02518

Tot Ion:117 Resp: 181051

Ion Ratio Lower Upper

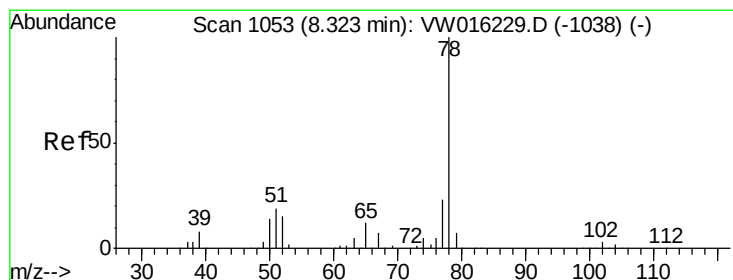
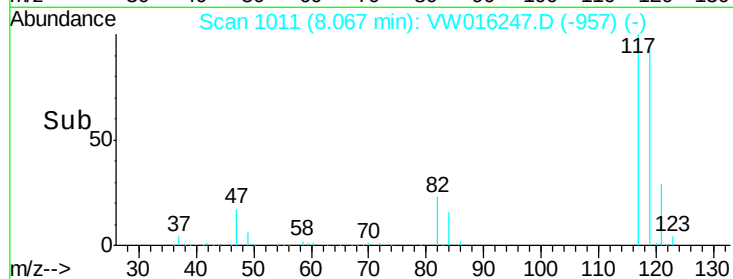
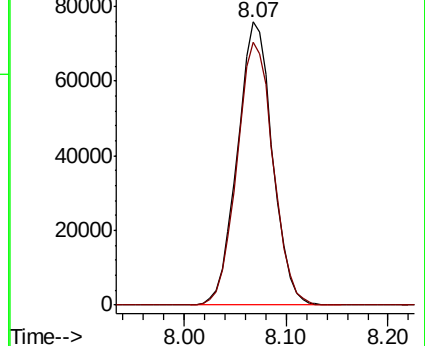
117 100

119 95.5 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.115 ug/L

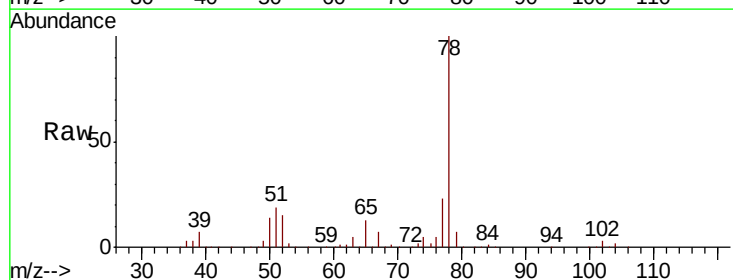
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

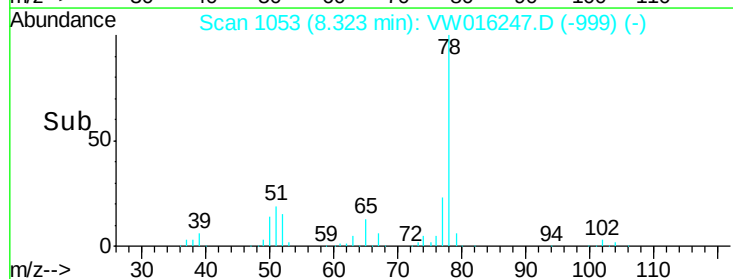
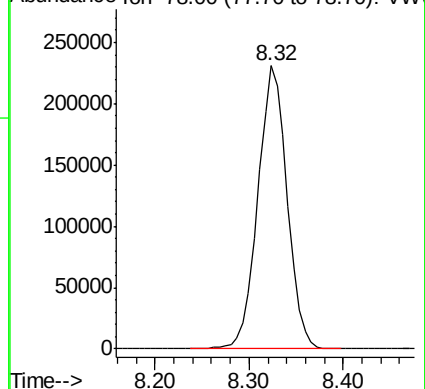
Lab File: VW016247.D

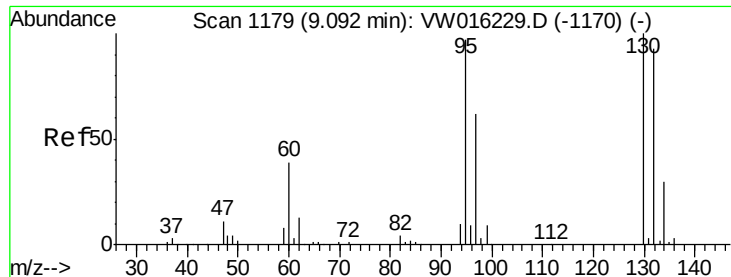
Acq: 18 Aug 2020 19:15

Tgt Ion: 78 Resp: 501536



Abundance Ion 78.00 (77.70 to 78.70): VW

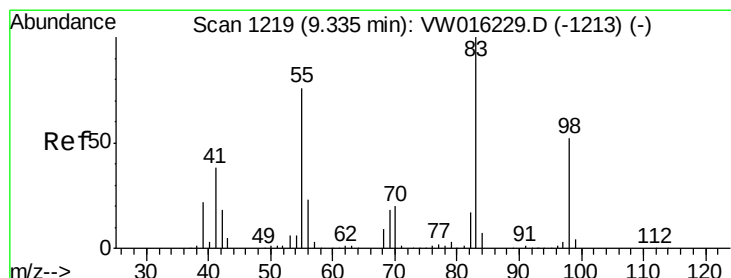
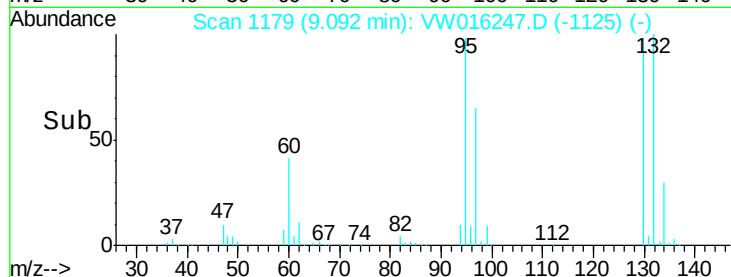
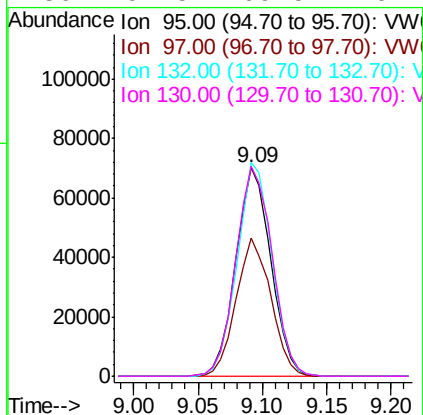
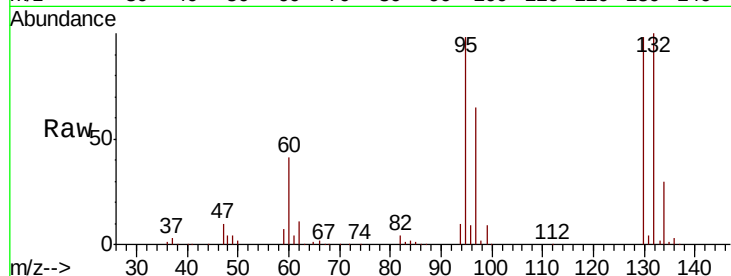




#35
 Trichloroethene
 Concen: 23.658 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

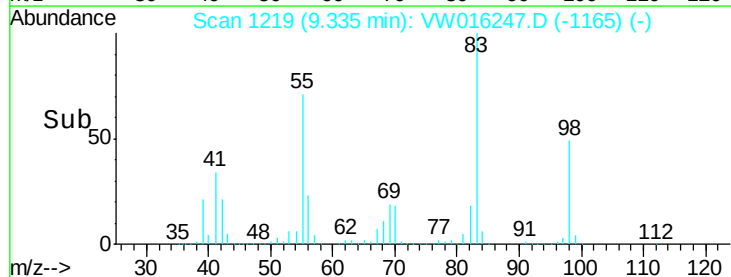
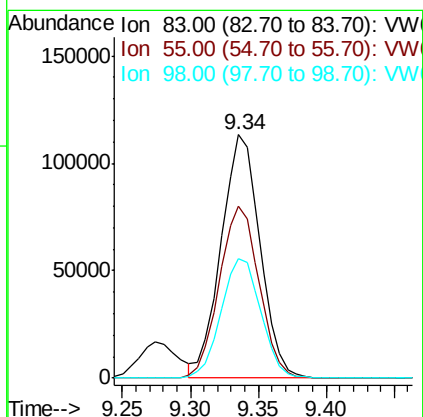
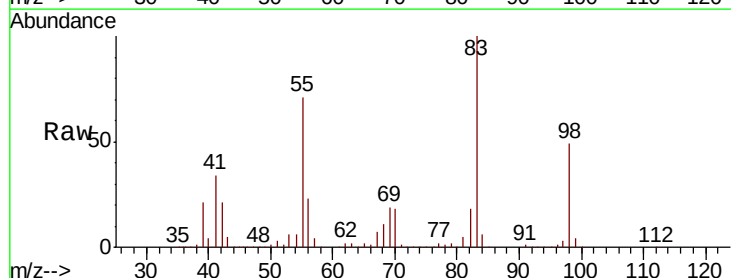
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02518

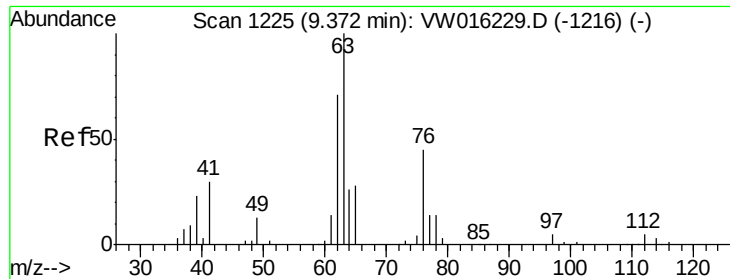
Tot Ion:	95	Resp:	132300
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.9	83.3
132	102.0	65.8	122.2
130	104.5	69.5	129.1



#36
 Methylcyclohexane
 Concen: 24.483 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

Tgt Ion:	83	Resp:	225547
Ion	Ratio	Lower	Upper
83	100		
55	72.1	60.7	91.1
98	50.2	39.4	59.0





#40

1,2-Dichloropropane

Concen: 24.126 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

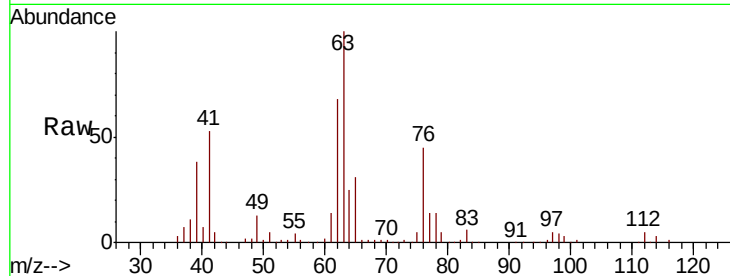
VSTD02518

Tot Ion: 63 Resp: 123220

Ion Ratio Lower Upper

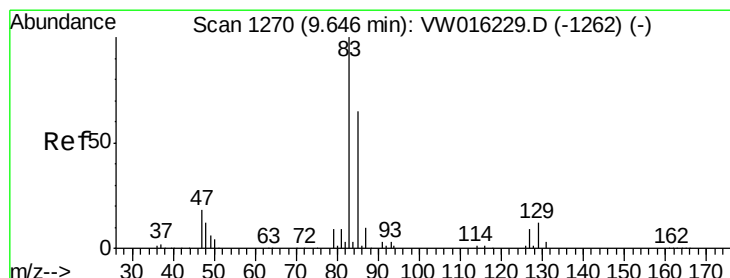
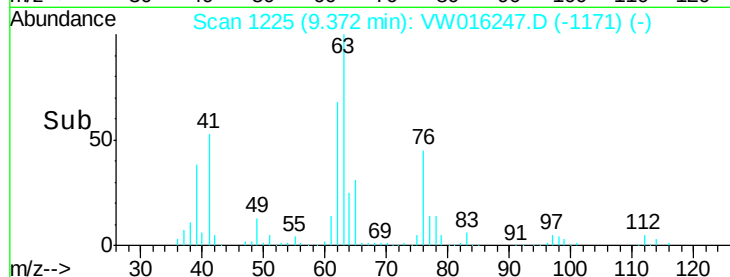
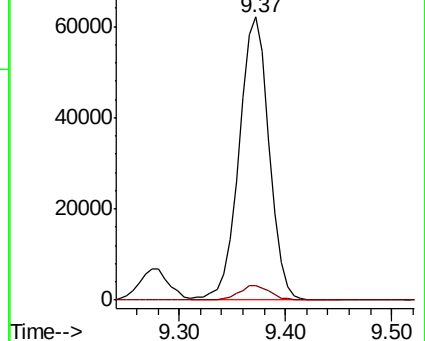
63 100

112 5.4 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.598 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

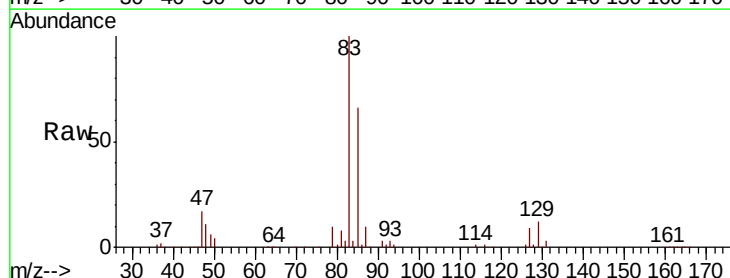
Tgt Ion: 83 Resp: 165565

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5

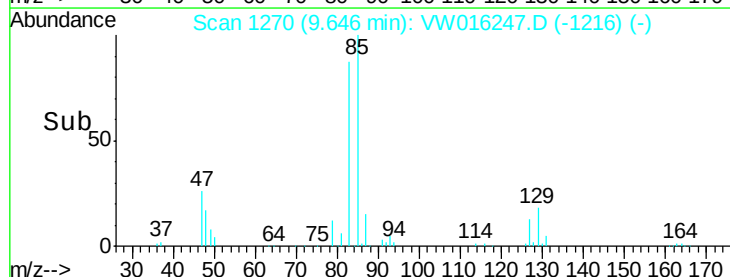
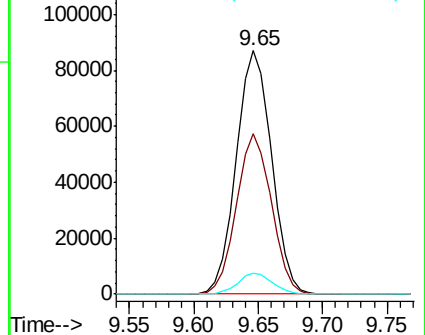
127 8.8 7.2 10.8

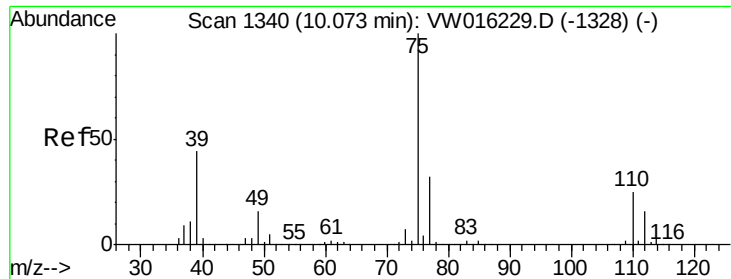


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

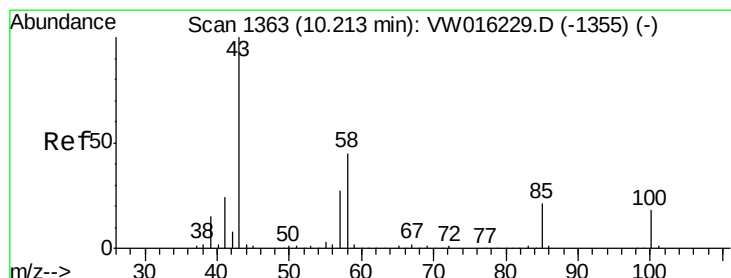
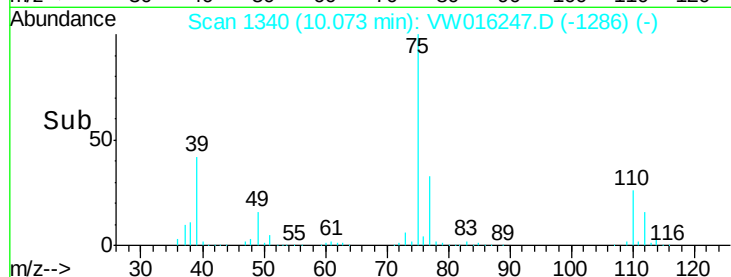
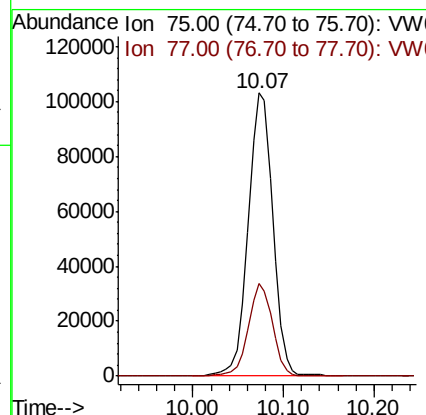
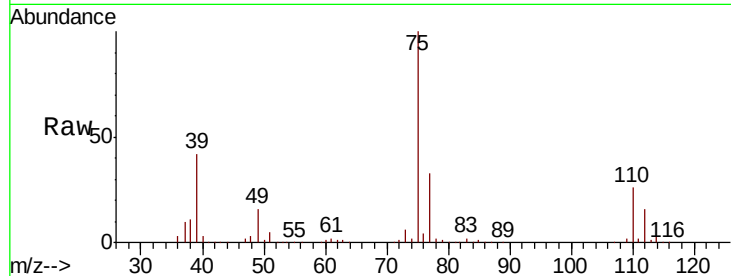




#42
 cis-1,3-Dichloropropene
 Concen: 25.032 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

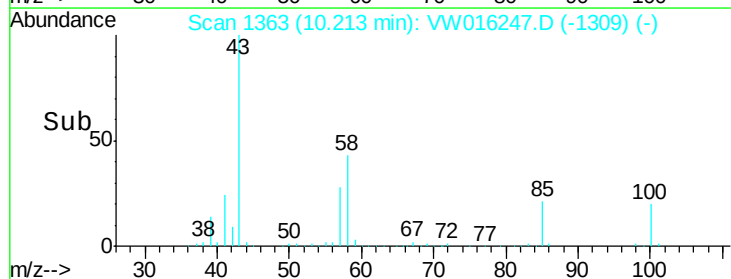
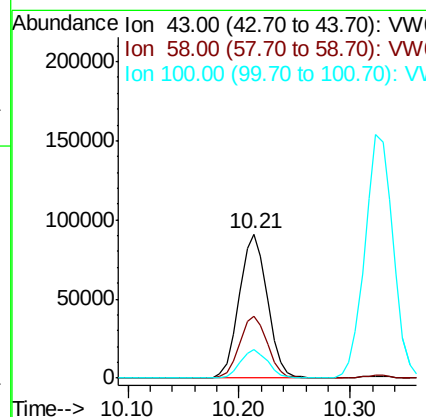
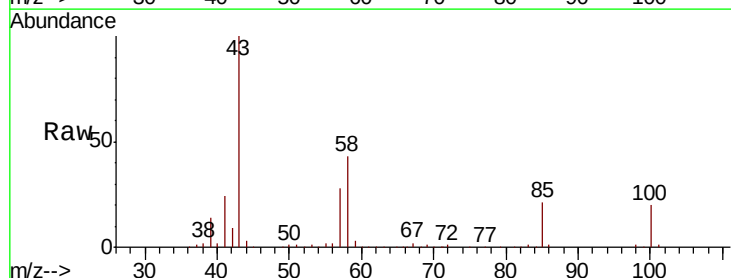
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

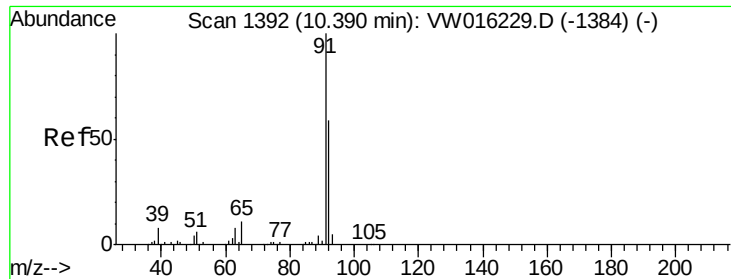
Tot Ion: 75 Resp: 194702
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 51.821 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

Tgt Ion: 43 Resp: 159188
 Ion Ratio Lower Upper
 43 100
 58 42.4 32.1 48.1
 100 19.2 13.8 20.8





#44

Toluene

Concen: 24.841 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

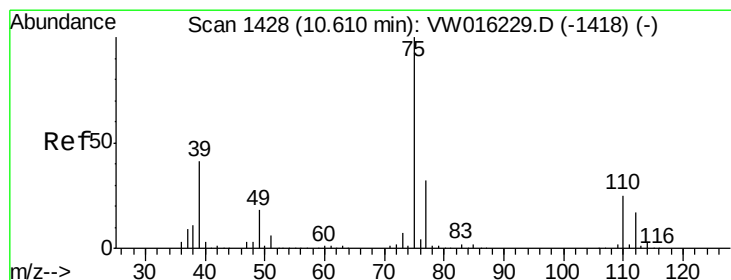
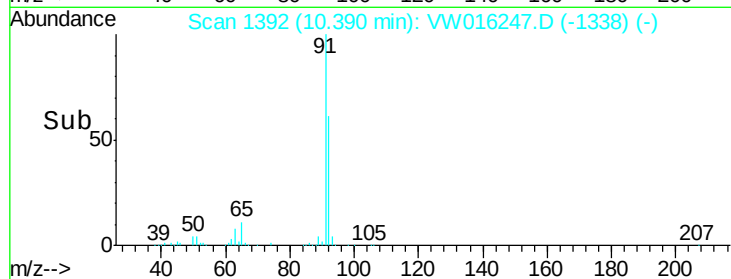
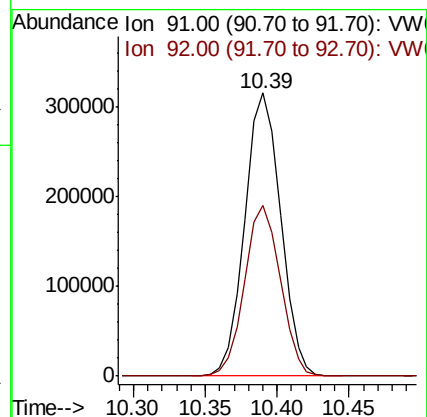
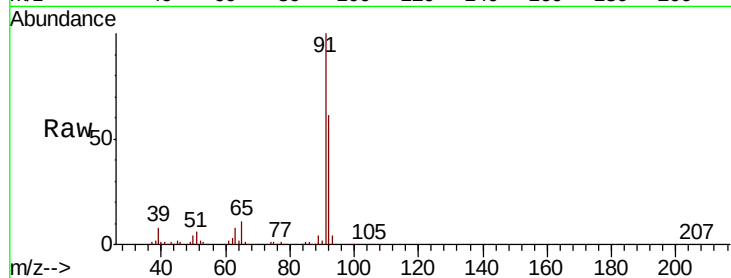
VSTD02518

Tot Ion: 91 Resp: 545363

Ion Ratio Lower Upper

91 100

92 60.5 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 24.782 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016247.D

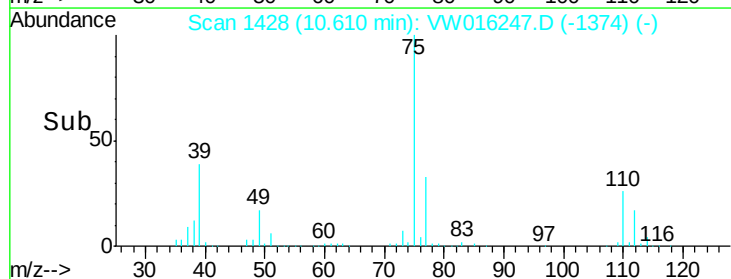
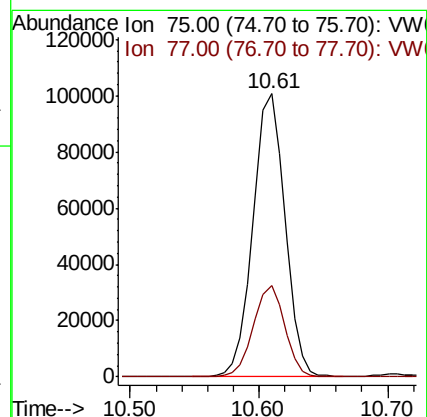
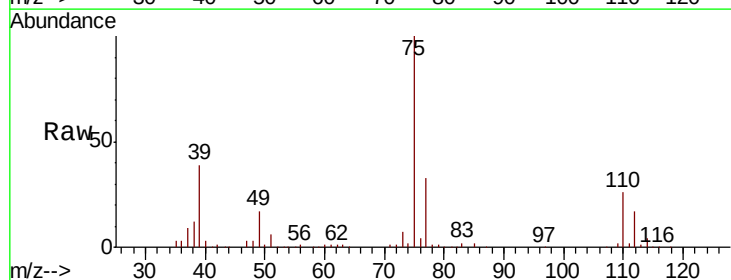
Acq: 18 Aug 2020 19:15

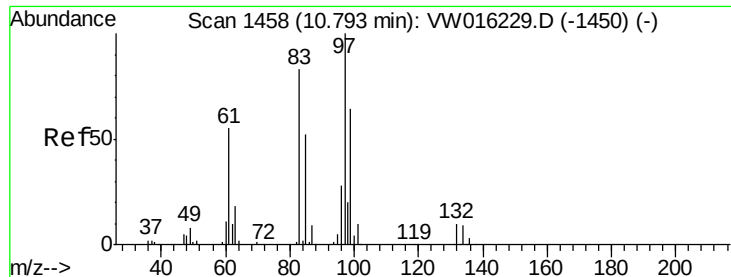
Tgt Ion: 75 Resp: 173156

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1

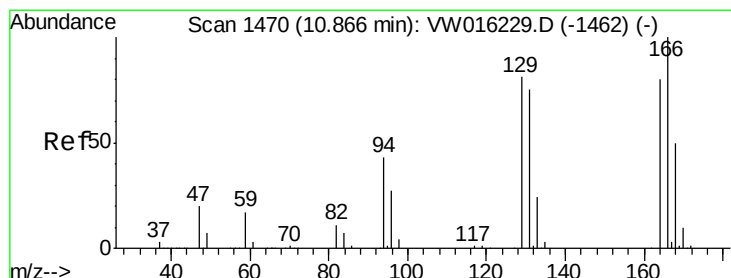
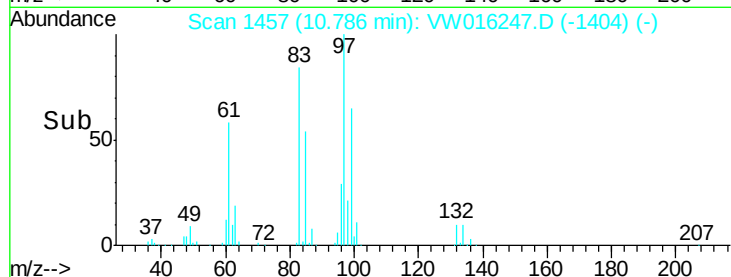
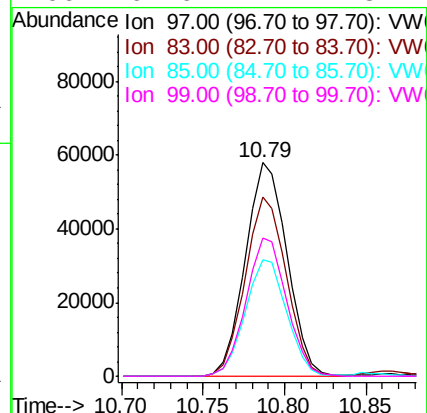
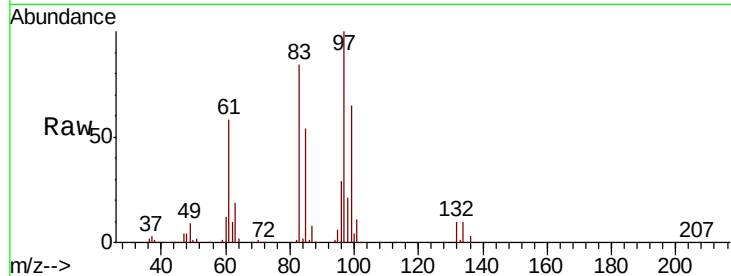




#46
1,1,2-Trichloroethane
Concen: 25.718 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

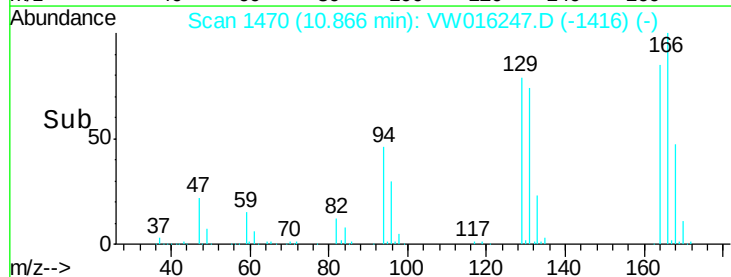
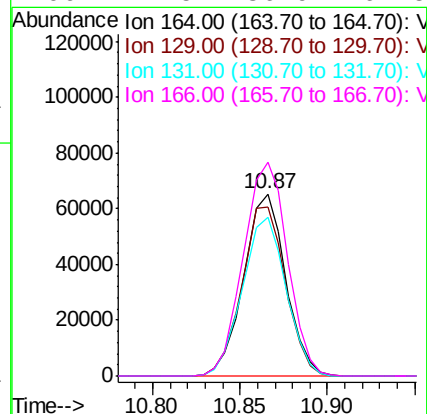
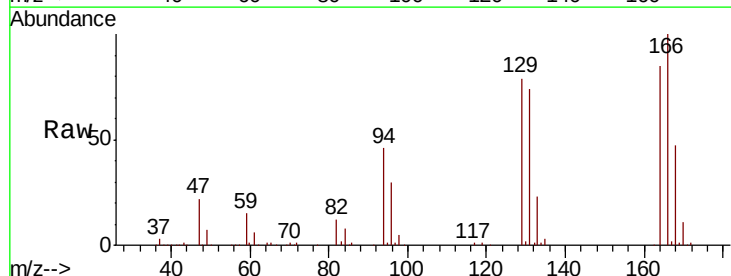
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

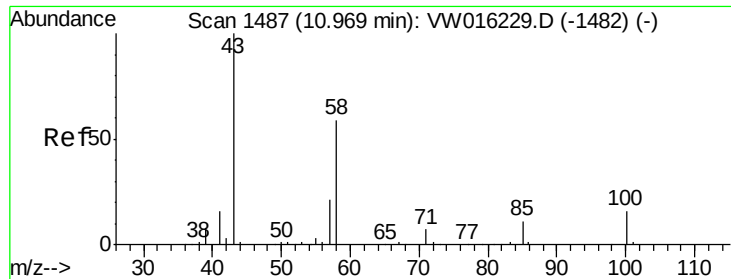
Tot Ion:	97	Resp:	103391
Ion	Ratio	Lower	Upper
97	100		
83	84.1	57.8	107.4
85	54.3	38.0	70.6
99	64.6	44.4	82.4



#47
Tetrachloroethene
Concen: 26.054 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion:	164	Resp:	109227
Ion	Ratio	Lower	Upper
164	100		
129	93.2	71.5	132.9
131	87.0	65.4	121.4
166	117.5	86.9	161.5

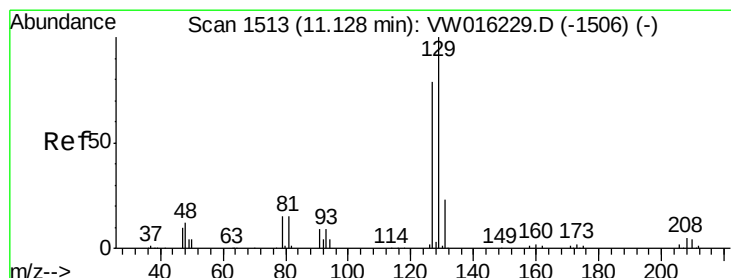
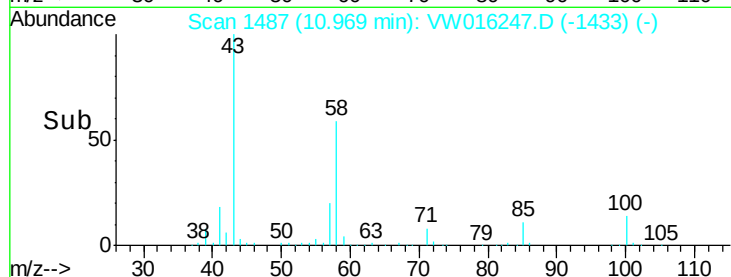
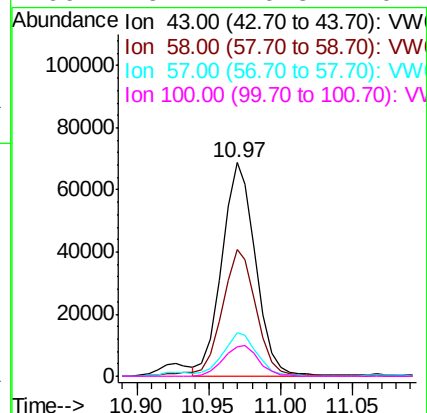
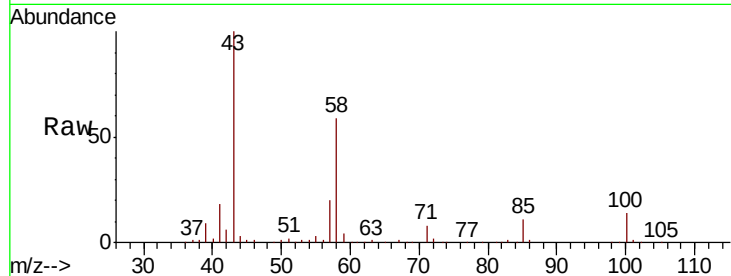




#49
2-Hexanone
Concen: 54.543 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

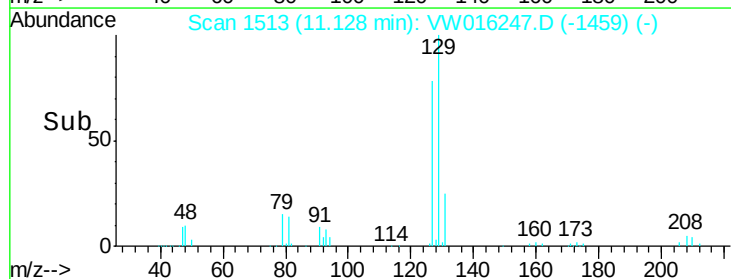
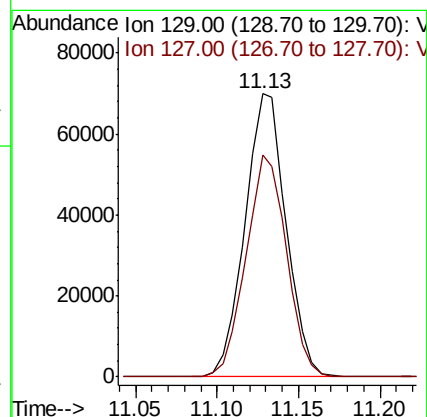
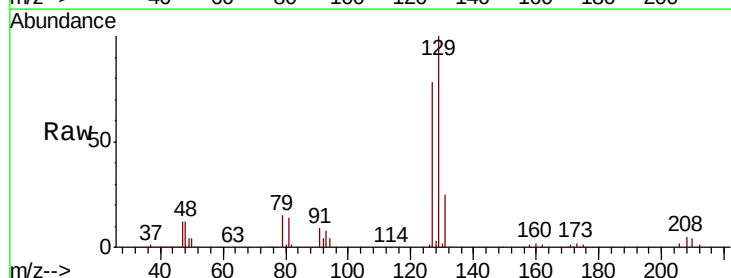
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

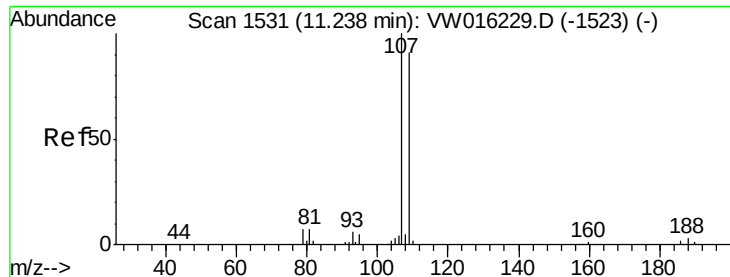
Tot Ion:	43	Resp:	113058
Ion	Ratio	Lower	Upper
43	100		
58	60.3	44.2	66.2
57	20.2	15.8	23.6
100	15.1	10.8	16.2



#50
Dibromochloromethane
Concen: 25.918 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion:	129	Resp:	122721
Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.4	102.8





#51

1,2-Dibromoethane

Concen: 26.670 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

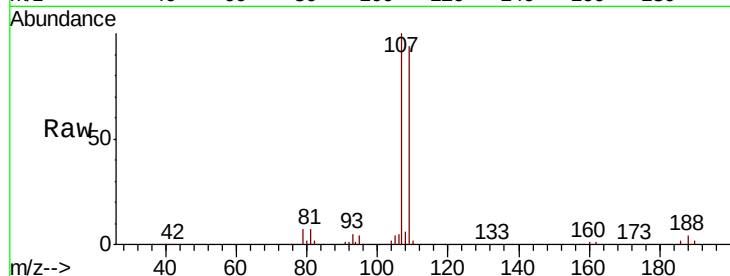
Tot Ion:107 Resp: 101649

Ion Ratio Lower Upper

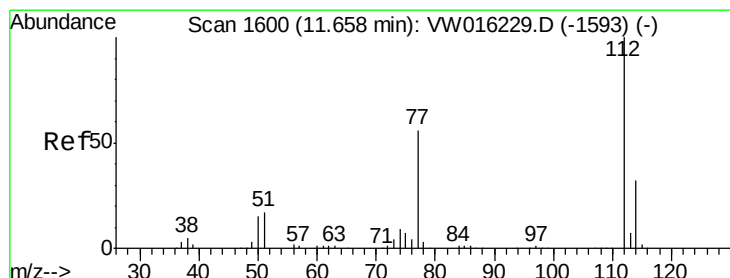
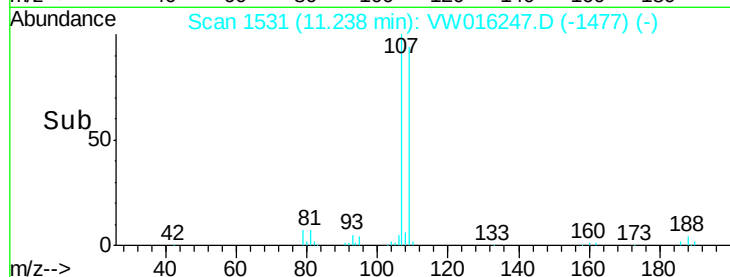
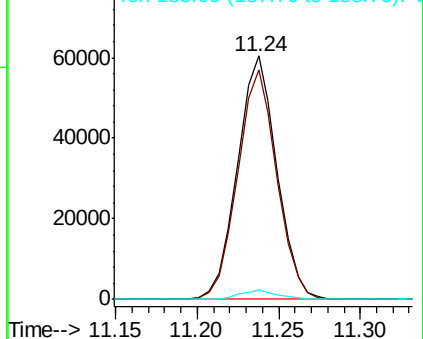
107 100

109 94.1 66.0 122.6

188 3.6 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.656 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

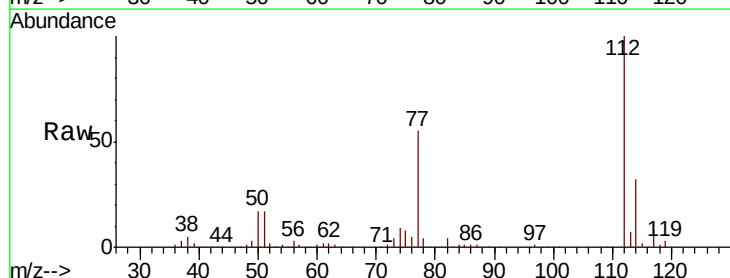
Tgt Ion:112 Resp: 358151

Ion Ratio Lower Upper

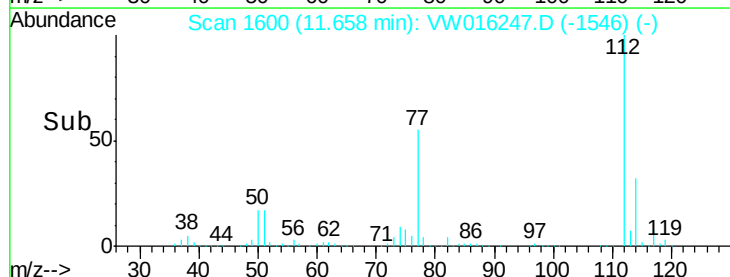
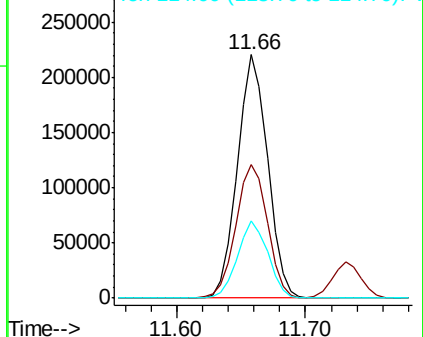
112 100

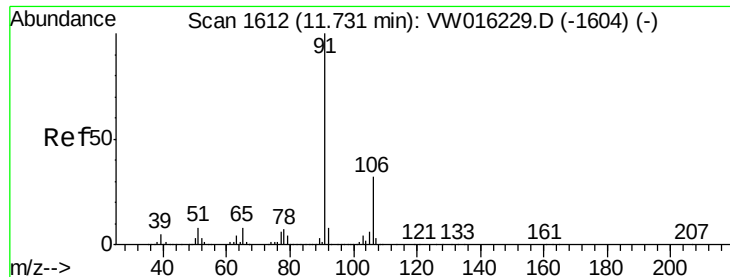
77 54.9 49.1 73.7

114 31.5 23.5 43.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

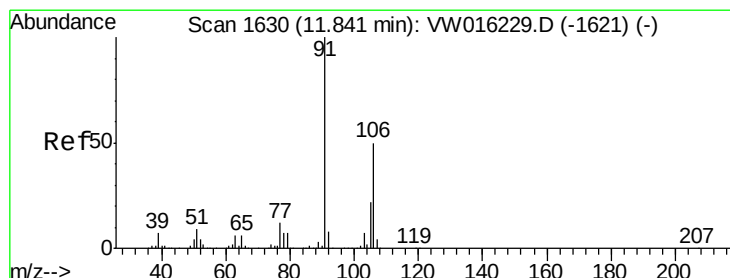
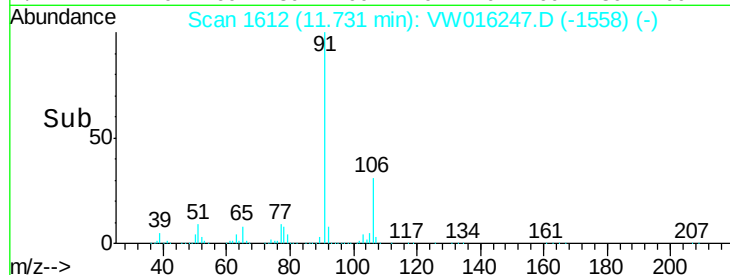
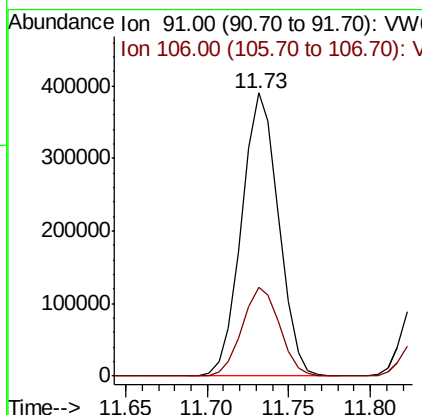
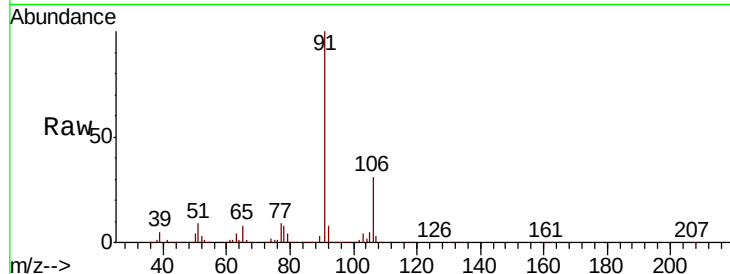




#53
Ethylbenzene
Concen: 24.786 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

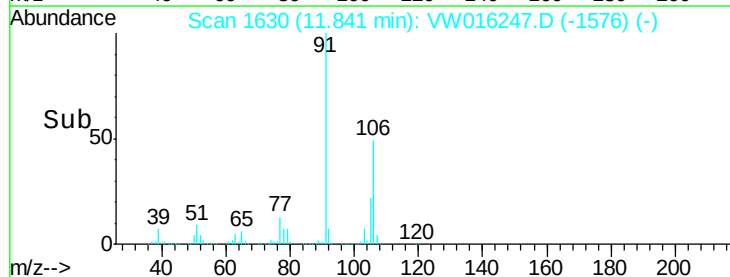
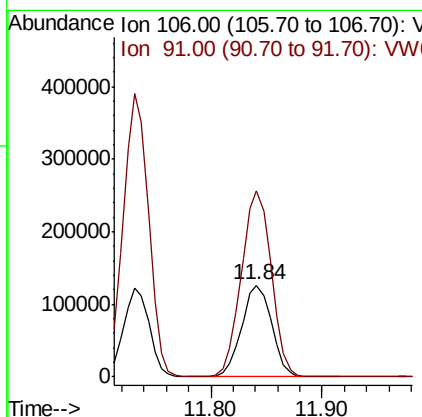
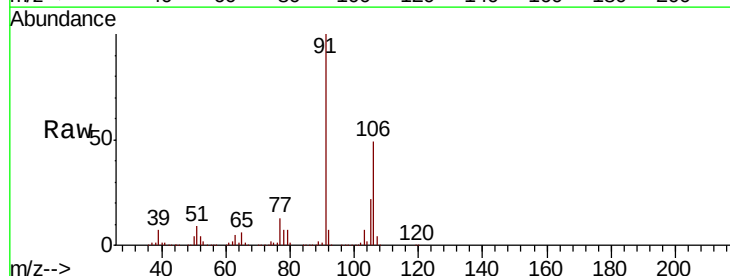
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

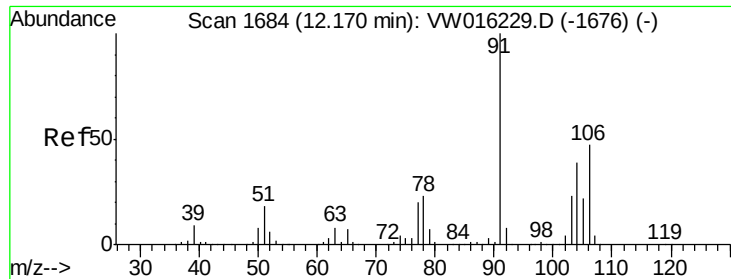
Tot Ion: 91 Resp: 617392
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#54
m,p-Xylene
Concen: 25.294 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion: 106 Resp: 237005
Ion Ratio Lower Upper
106 100
91 202.6 136.4 253.2

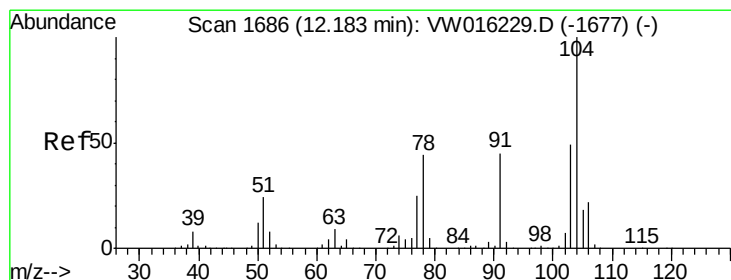
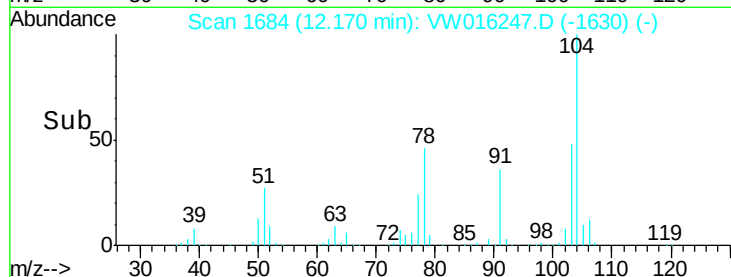
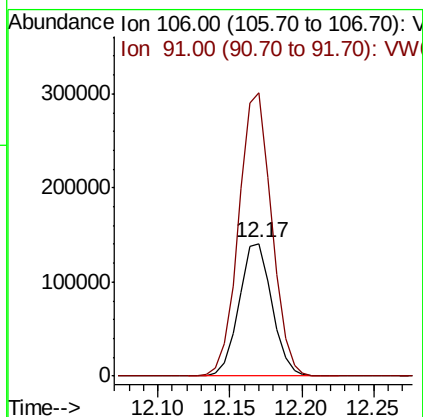
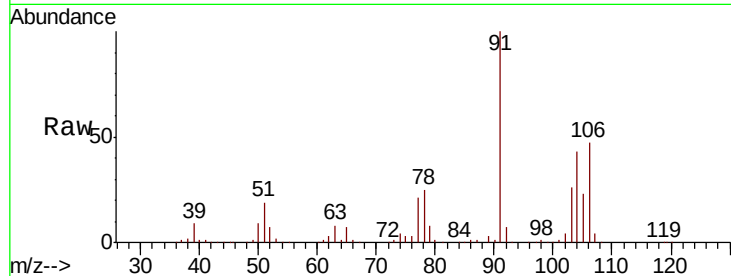




#55
o-xylene
Concen: 25.252 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

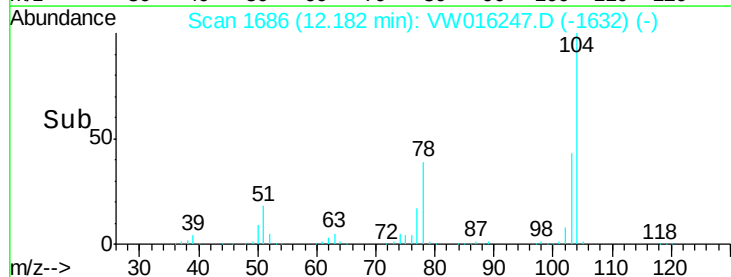
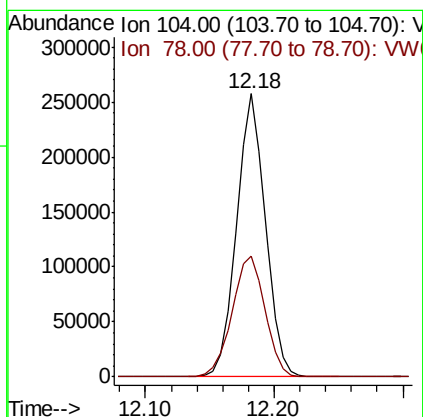
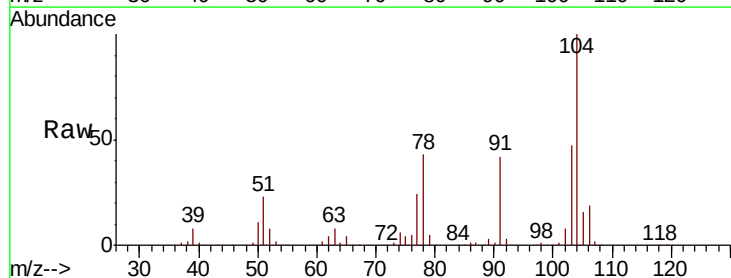
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

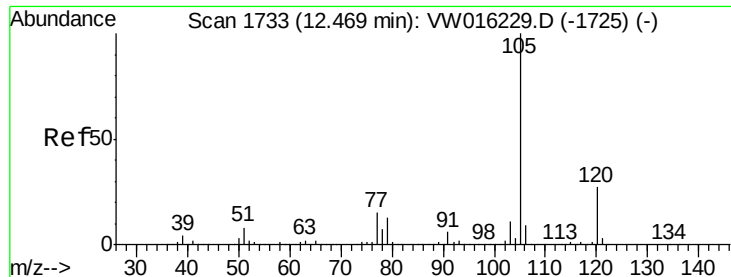
Tot Ion:106 Resp: 222866
Ion Ratio Lower Upper
106 100
91 213.4 151.3 281.1



#56
Styrene
Concen: 26.137 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016247.D
Acq: 18 Aug 2020 19:15

Tgt Ion:104 Resp: 399374
Ion Ratio Lower Upper
104 100
78 42.8 32.0 59.4





#57

Isopropylbenzene

Concen: 25.750 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

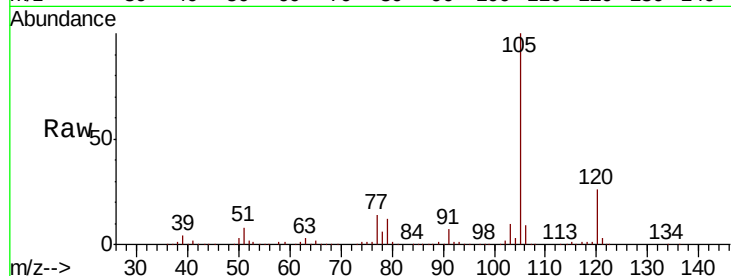
Tot Ion:105 Resp: 612737

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

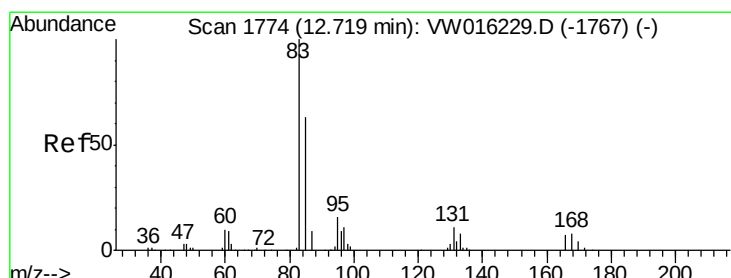
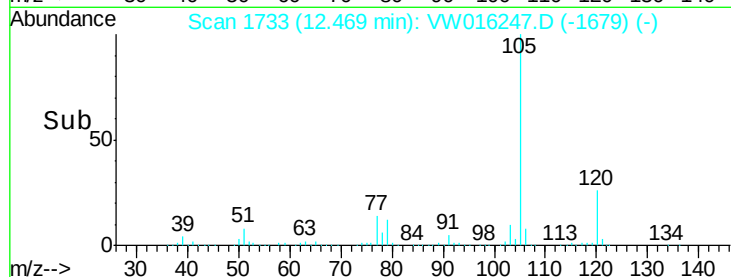
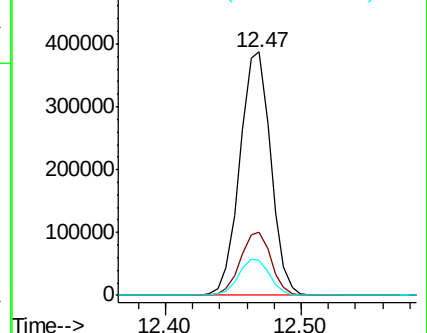
77 15.1 12.6 18.8



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: 26.760 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

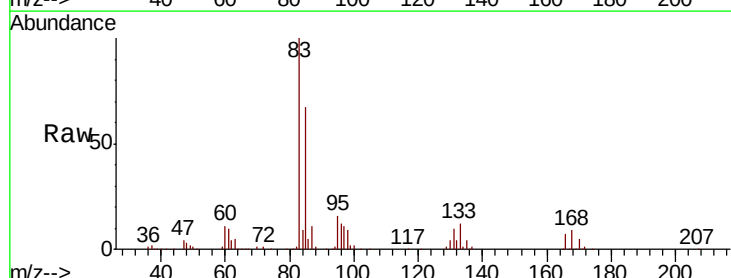
Tgt Ion: 83 Resp: 125526

Ion Ratio Lower Upper

83 100

85 67.2 42.4 78.8

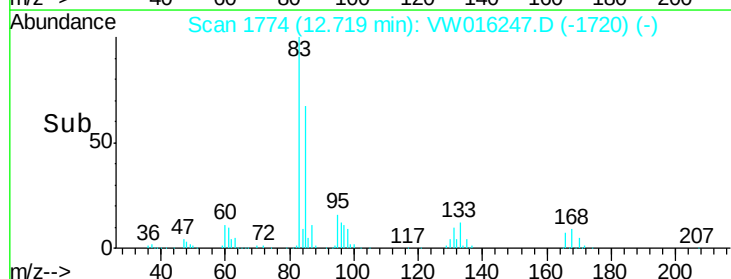
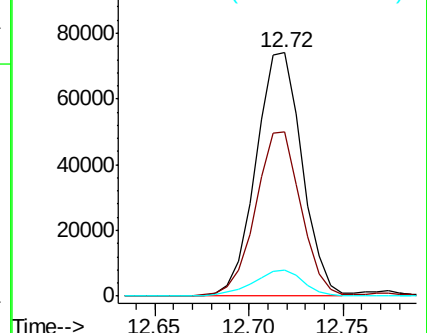
131 10.5 7.8 11.8

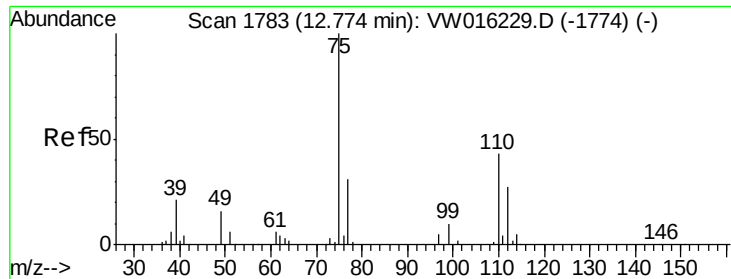


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.525 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

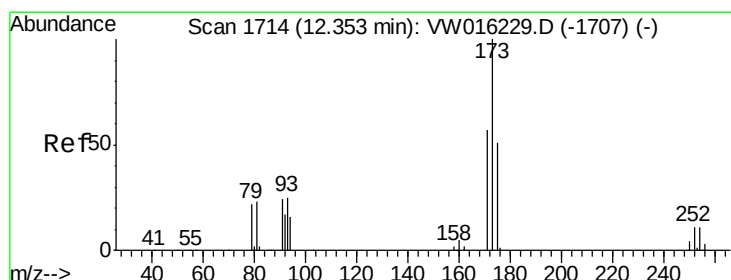
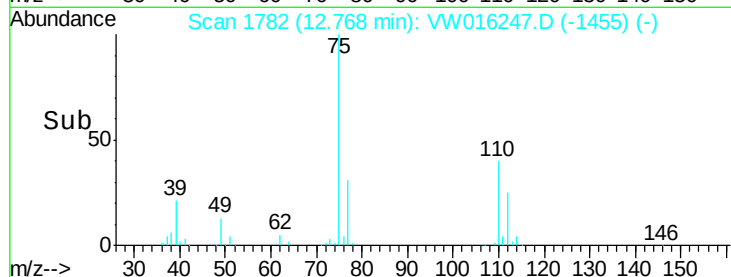
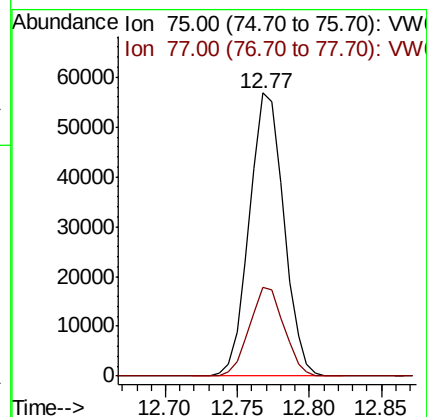
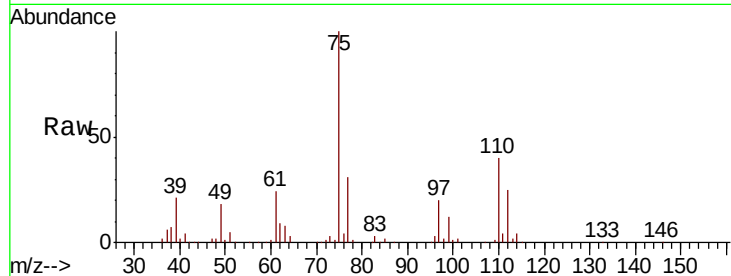
VSTD02518

Tot Ion: 75 Resp: 94261

Ion Ratio Lower Upper

75 100

77 31.5 25.9 38.9



#62

Bromoform

Concen: 25.653 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

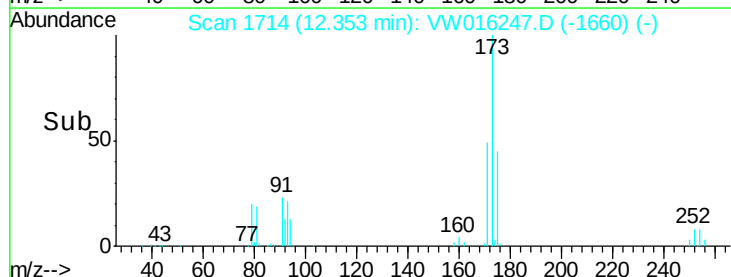
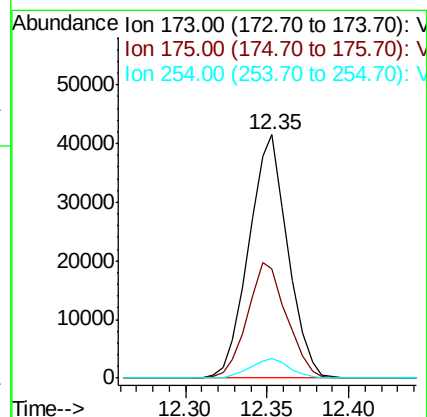
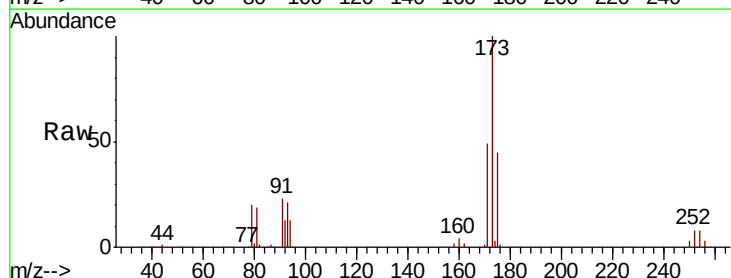
Tgt Ion: 173 Resp: 68812

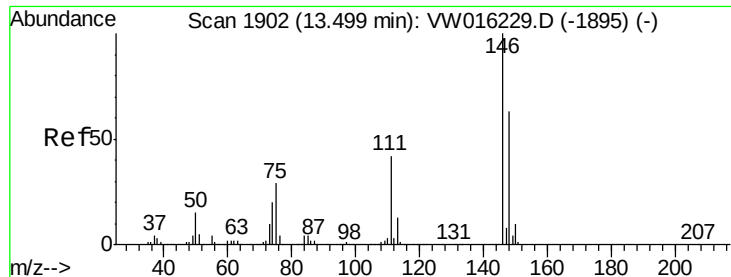
Ion Ratio Lower Upper

173 100

175 48.2 37.8 56.6

254 8.1 6.8 10.2





#63

1,3-Dichlorobenzene

Concen: 24.508 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

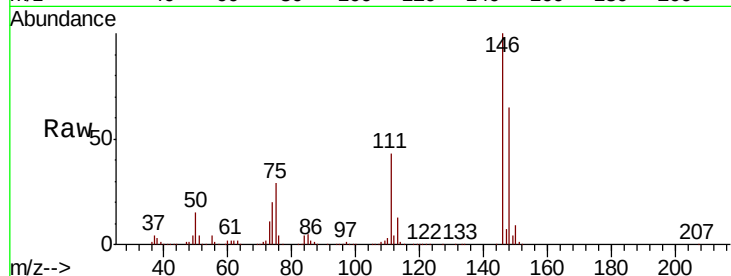
Tot Ion:146 Resp: 274581

Ion Ratio Lower Upper

146 100

111 43.2 28.9 53.7

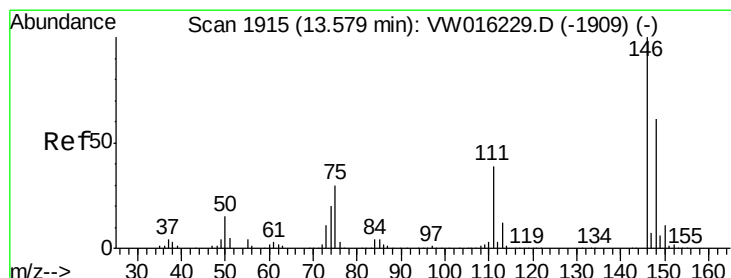
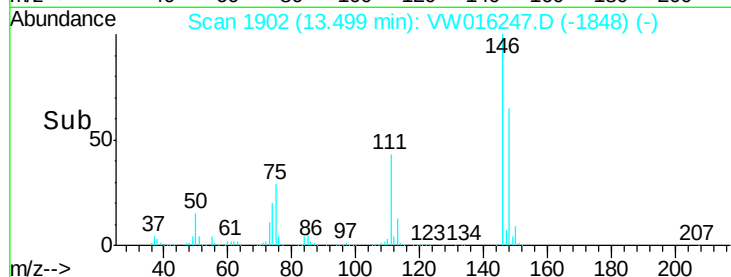
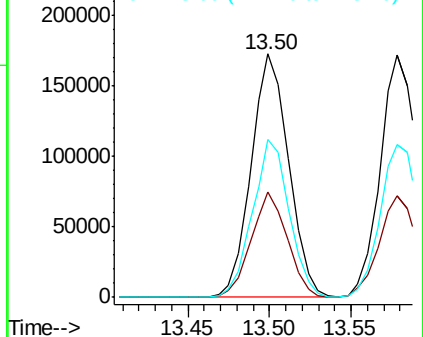
148 65.0 44.7 82.9



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: 24.294 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

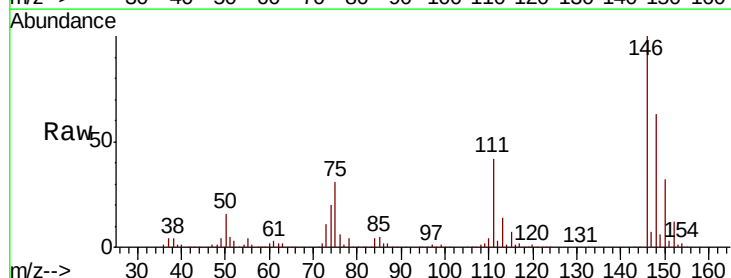
Tgt Ion:146 Resp: 277279

Ion Ratio Lower Upper

146 100

111 41.8 28.6 53.2

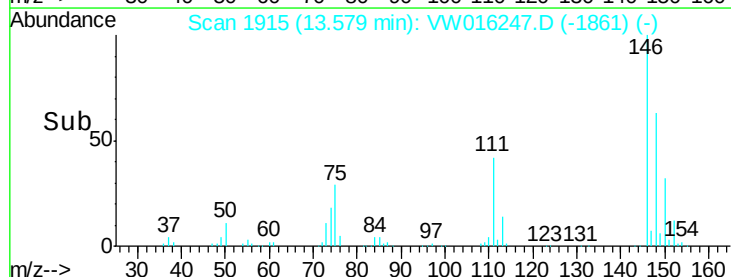
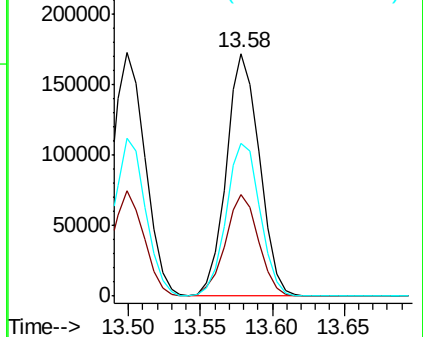
148 63.1 47.7 88.5

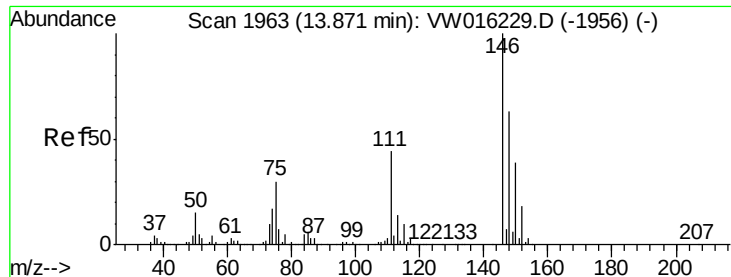


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

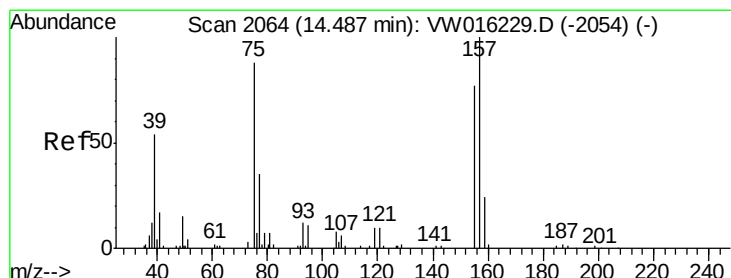
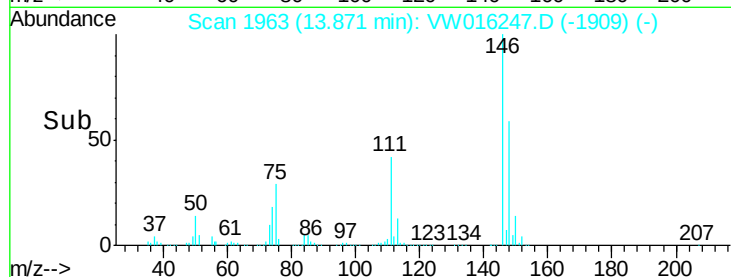
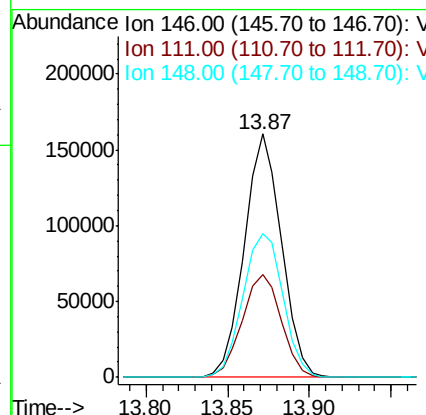
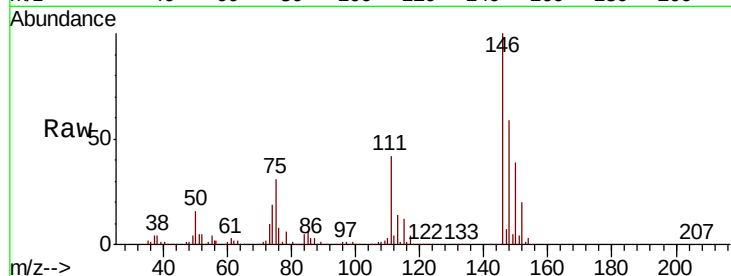




#65
 1,2-Dichlorobenzene
 Concen: 24.804 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

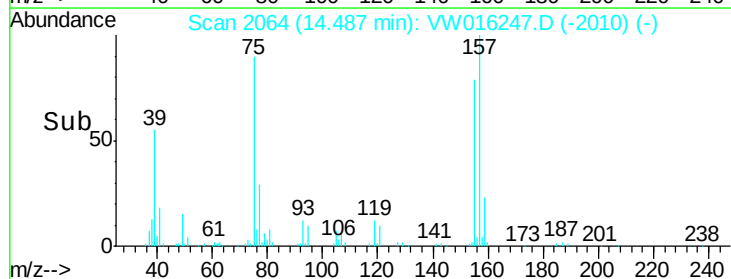
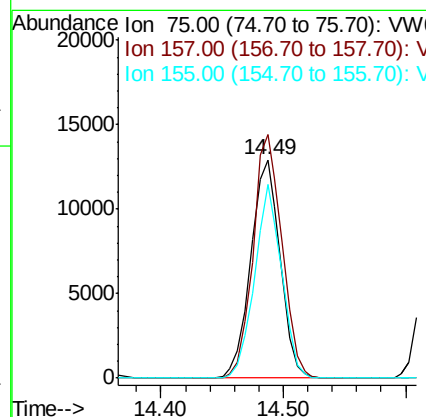
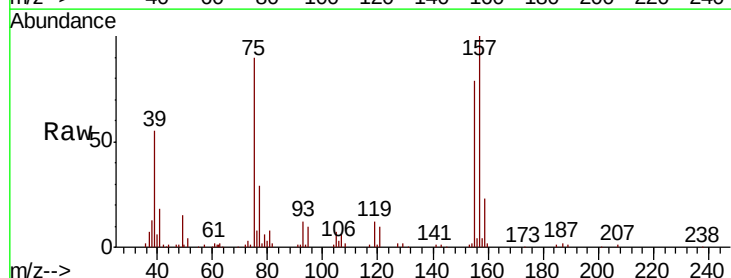
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

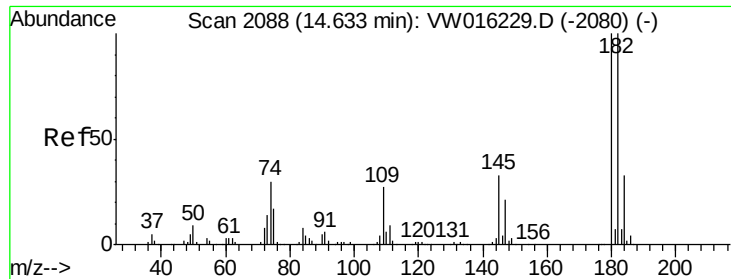
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.3	52.9
148	58.8	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.897 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
157	111.4	73.9	110.9#
155	88.4	63.4	95.2

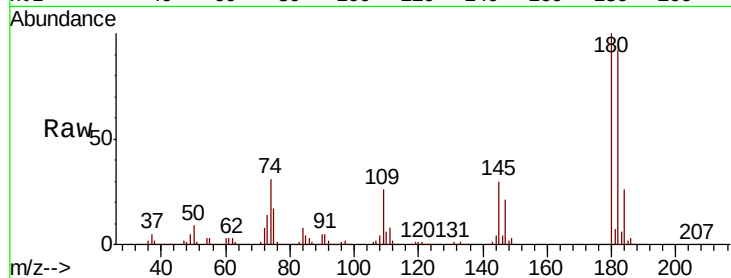




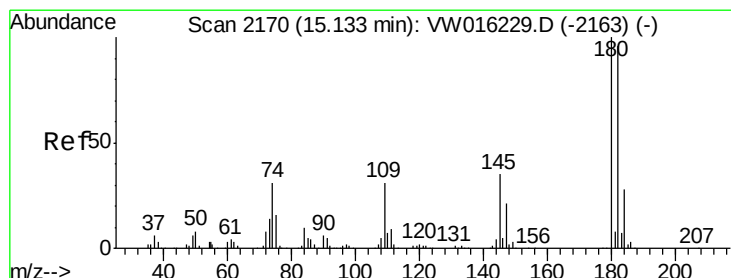
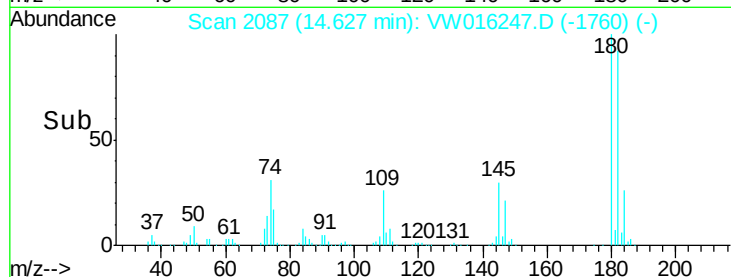
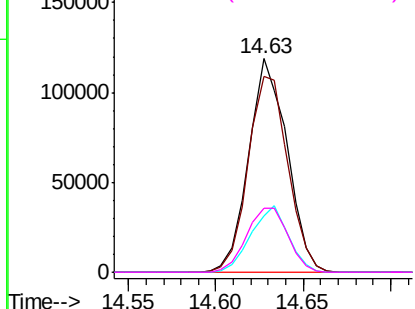
#67
 1,3,5-Trichlorobenzene
 Concen: 25.657 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tot Ion:	180	Resp:	181380
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
184	30.4	25.1	37.7
145	32.8	26.9	40.3

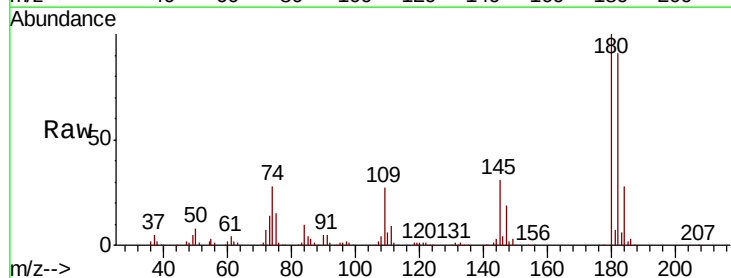


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

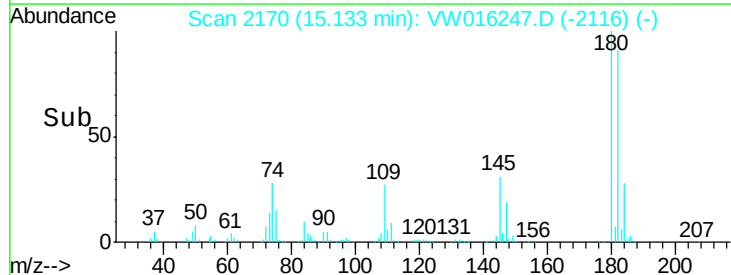
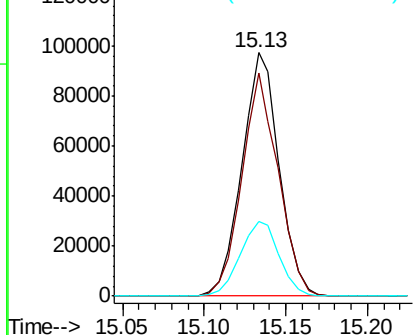


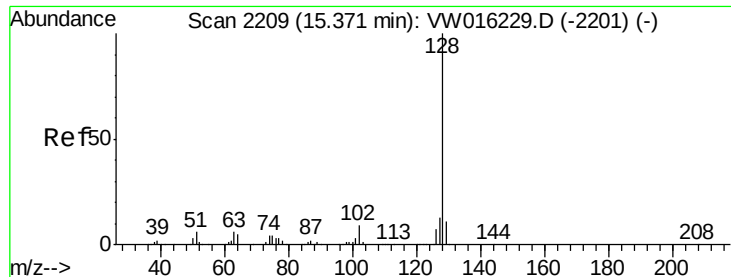
#68
 1,2,4-trichlorobenzene
 Concen: 26.963 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016247.D
 Acq: 18 Aug 2020 19:15

Tgt Ion:	180	Resp:	154491
Ion	Ratio	Lower	Upper
180	100		
182	89.5	77.8	116.8
145	32.3	26.5	39.7



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





#69

Naphthalene

Concen: 28.076 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

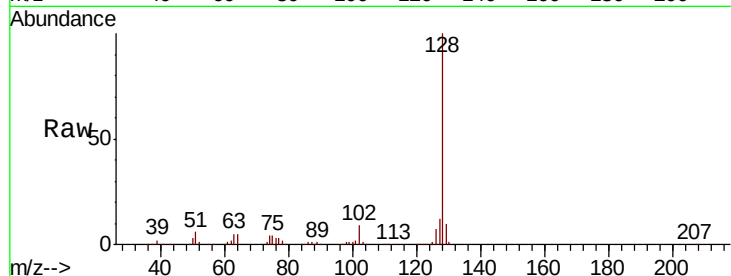
Tot Ion:128 Resp: 339561

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

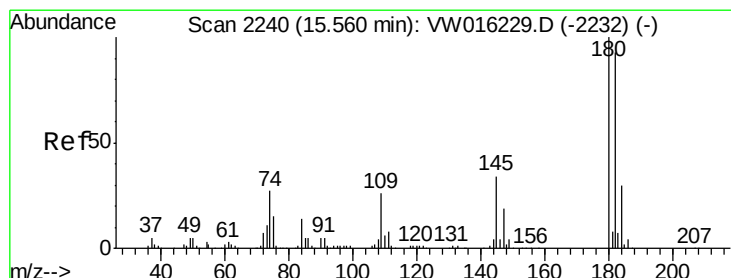
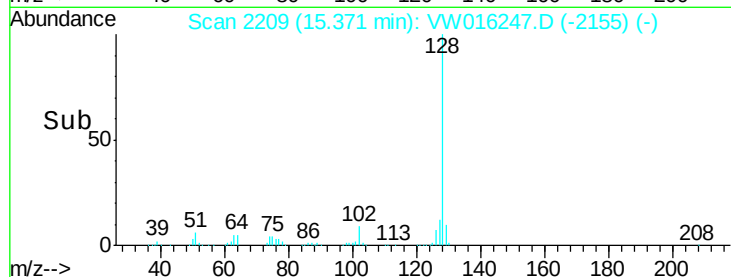
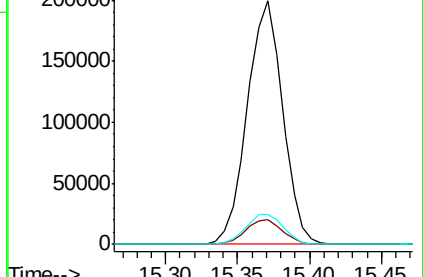
127 13.2 10.3 15.5



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: 26.852 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016247.D

Acq: 18 Aug 2020 19:15

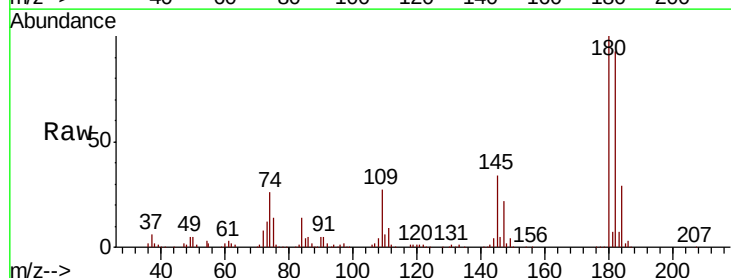
Tgt Ion:180 Resp: 139780

Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 35.6 29.9 44.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

