

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100120\
 Data File : VW016748.D
 Acq On : 01 Oct 2020 19:14
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 01 21:36:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 21:33:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	543456	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	505371	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	264160	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	93156	17.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.84%
7) Chloroethane-d5	2.90	69	88472	20.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.40%
10) 1,1-Dichloroethene-d2	4.04	63	235507	20.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.08%
20) 2-Butanone-d5	7.09	46	72362	50.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.92%
24) Chloroform-d	7.66	84	298317	26.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.96%
26) 1,2-Dichloroethane-d4	8.31	65	144140	24.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.80%
29) Benzene-d6	8.28	84	500127	22.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.28%
33) 1,2-Dichloropropane-d6	9.28	67	152857	24.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.56%
37) Toluene-d8	10.33	98	455334	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.68%
38) trans-1,3-Dichloropropene-	10.58	79	66165	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.48%
39) 2-Hexanone-d5	10.93	63	60337	54.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144717	27.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	208760	24.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	162078	24.142	ug/L 99
3) Chloromethane	2.23	50	132209	26.913	ug/L 98
5) Vinyl chloride	2.38	62	199732	27.552	ug/L 98
6) Bromomethane	2.80	94	139194	25.305	ug/L 100
8) Chloroethane	2.94	64	119144	27.783	ug/L 98
9) Trichlorofluoromethane	3.28	101	172382	23.586	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	188286	26.891	ug/L 96
12) 1,1-Dichloroethene	4.06	96	186792	27.135	ug/L 86
13) Acetone	4.14	43	45411	40.421	ug/L 92
14) Carbon disulfide	4.40	76	505461	24.339	ug/L 99
15) Methyl Acetate	4.68	43	59874	23.405	ug/L 98
16) Methylene chloride	4.93	84	211498	25.233	ug/L 98
17) Methyl tert-butyl Ether	5.44	73	238873	25.335	ug/L 97
18) trans-1,2-Dichloroethene	5.44	96	197053	27.642	ug/L 96
19) 1,1-Dichloroethane	6.23	63	315781	28.011	ug/L 98
21) 2-Butanone	7.18	43	78272	40.953	ug/L 93
22) cis-1,2-Dichloroethene	7.18	96	212316	28.705	ug/L 99

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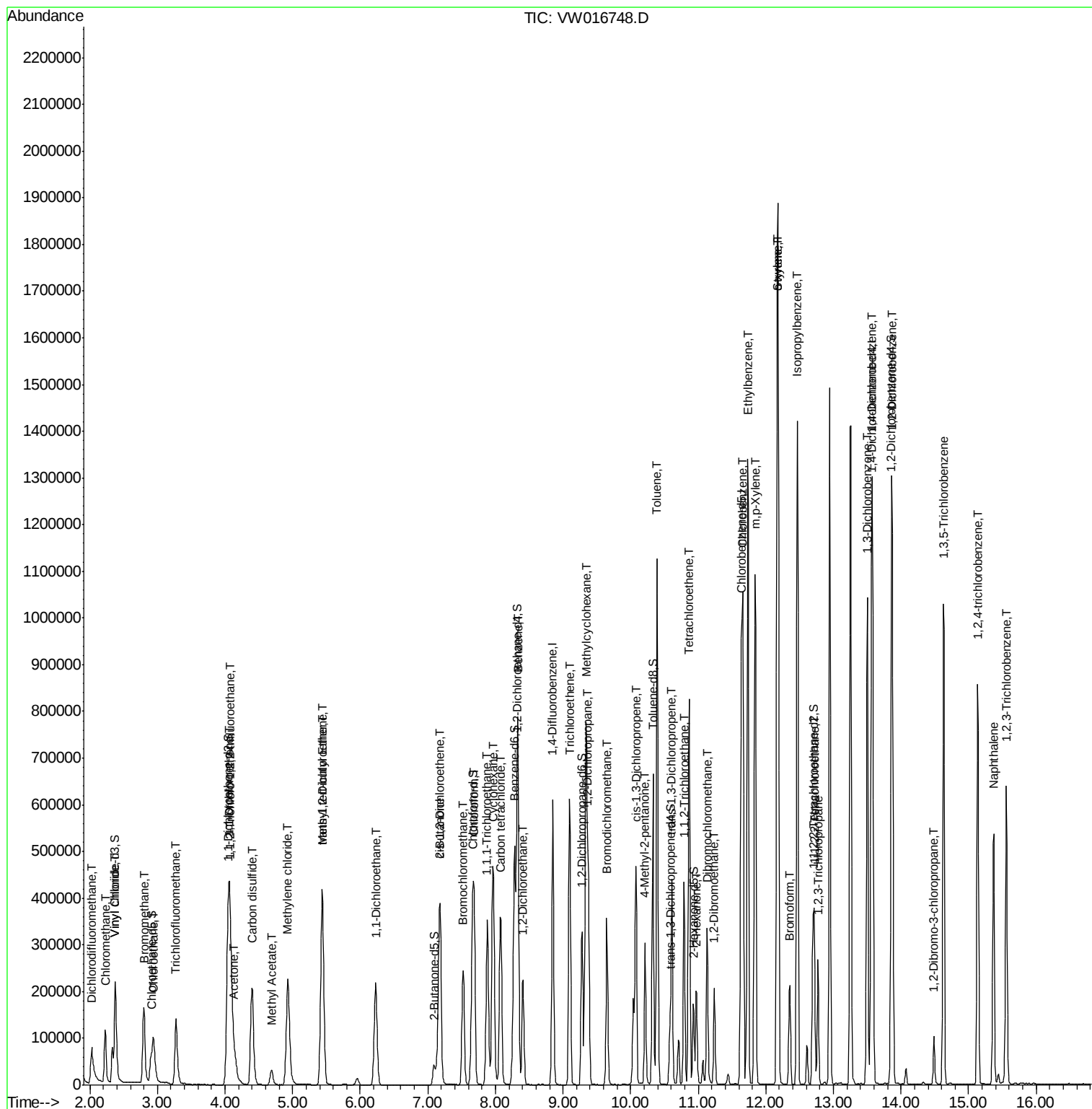
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	101284	28.167	ug/L	95
25) Chloroform	7.68	83	349931	28.470	ug/L	100
27) 1,2-Dichloroethane	8.41	62	207404	26.299	ug/L	98
30) Cyclohexane	7.96	56	275104	24.910	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	297138	25.175	ug/L	99
32) Carbon tetrachloride	8.07	117	288034	25.118	ug/L	99
34) Benzene	8.33	78	743143	27.435	ug/L	100
35) Trichloroethene	9.10	95	210434	26.851	ug/L	100
36) Methylcyclohexane	9.34	83	342039	25.731	ug/L	99
40) 1,2-Dichloropropane	9.37	63	170298	27.032	ug/L	100
41) Bromodichloromethane	9.65	83	245122	26.256	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	278692	25.899	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	179753	44.909	ug/L	96
44) Toluene	10.39	91	837212	27.487	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	238381	25.461	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	143351	27.010	ug/L	98
47) Tetrachloroethene	10.87	164	190561	26.928	ug/L	94
49) 2-Hexanone	10.97	43	120238	47.333	ug/L	95
50) Dibromochloromethane	11.13	129	179456	25.898	ug/L	94
51) 1,2-Dibromoethane	11.24	107	138585	26.080	ug/L	90
52) Chlorobenzene	11.66	112	567299	27.728	ug/L	99
53) Ethylbenzene	11.73	91	957155	27.679	ug/L	98
54) m,p-Xylene	11.84	106	372619	27.518	ug/L	99
55) o-xylene	12.17	106	352823	27.198	ug/L	96
56) Styrene	12.18	104	600013	27.854	ug/L	95
57) Isopropylbenzene	12.47	105	971034	27.394	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	157798	26.587	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	113493	25.674	ug/L	98
62) Bromoform	12.35	173	101430	22.765	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	463282	26.963	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	449902	26.738	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	413091	26.907	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24038	21.843	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	339428	27.012	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	296022	29.121	ug/L	99
69) Naphthalene	15.37	128	490454	27.217	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	246127	28.152	ug/L	99

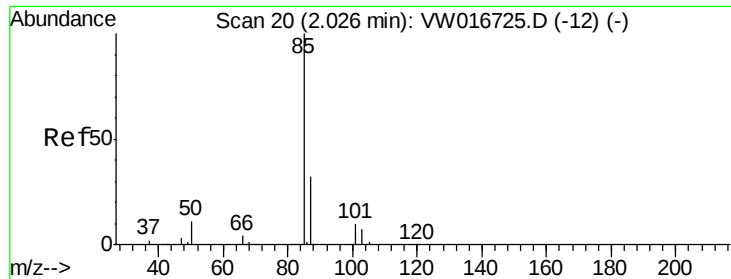
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.142 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

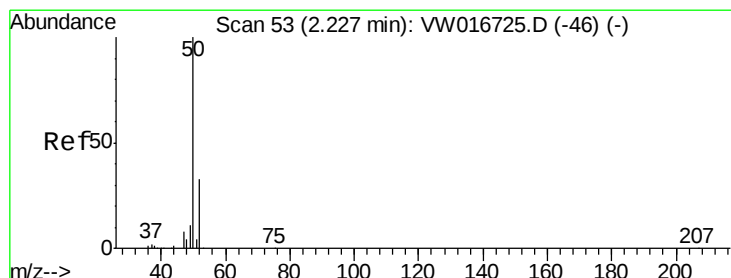
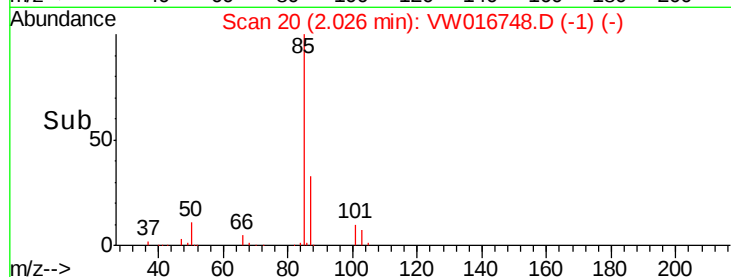
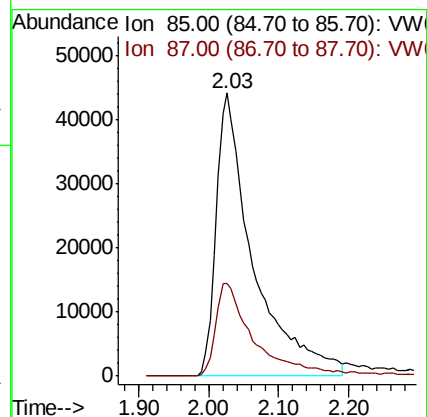
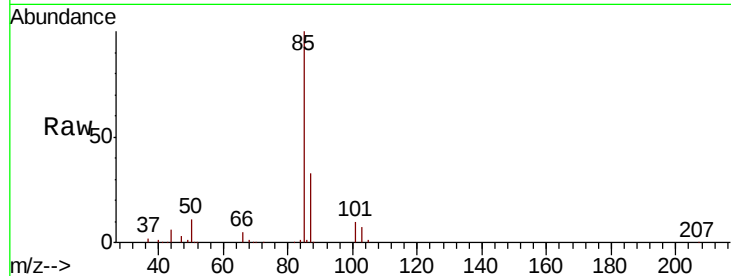
ClientSampleId :

Tot Ion: 85 Resp: 162078

Ion Ratio Lower Upper

85 100

87 32.0 22.2 41.2



#3

Chloromethane

Concen: 26.913 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016748.D

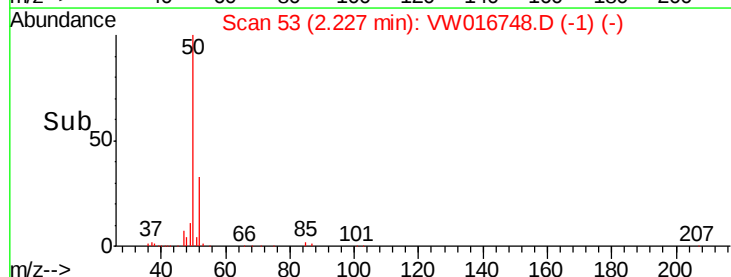
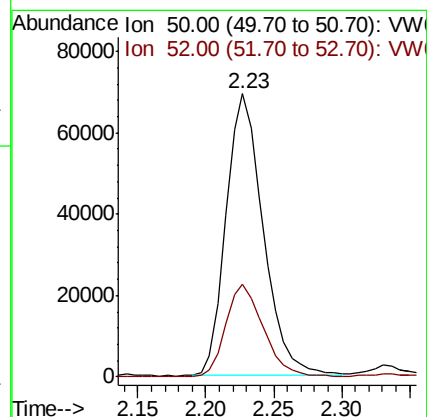
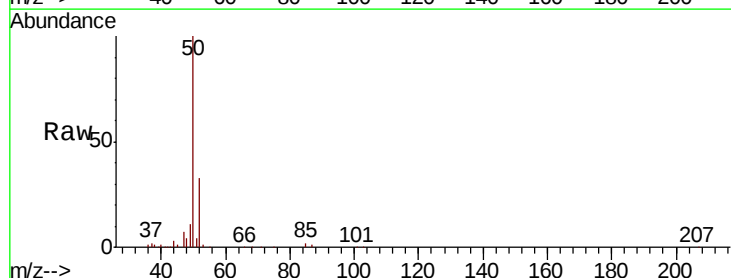
Acq: 01 Oct 2020 19:14

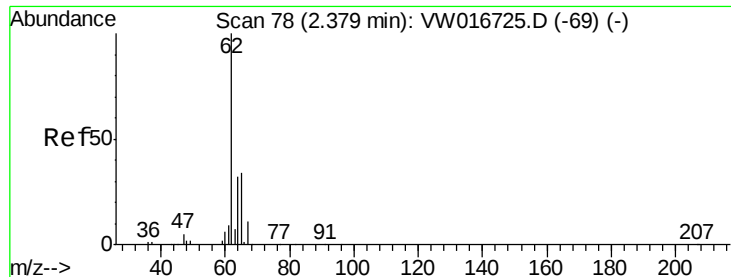
Tgt Ion: 50 Resp: 132209

Ion Ratio Lower Upper

50 100

52 32.9 22.4 41.6





#5

Vinyl chloride

Concen: 27.552 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

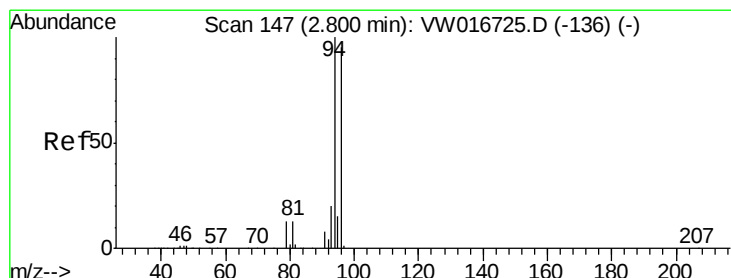
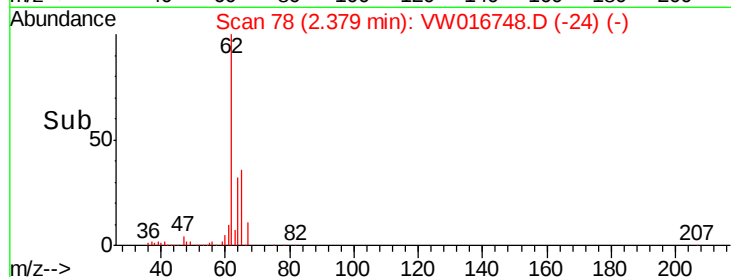
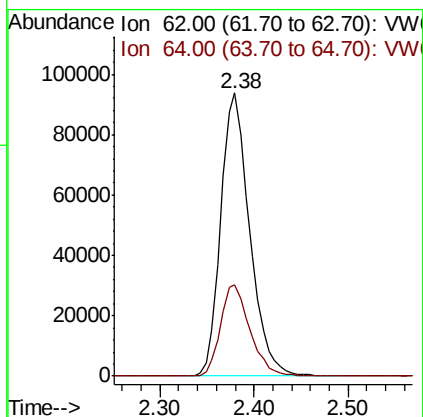
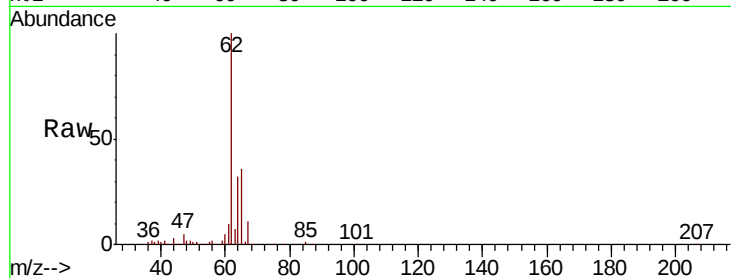
ClientSampleId :

Tot Ion: 62 Resp: 199732

Ion Ratio Lower Upper

62 100

64 32.3 23.4 43.4



#6

Bromomethane

Concen: 25.305 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.00 min

Lab File: VW016748.D

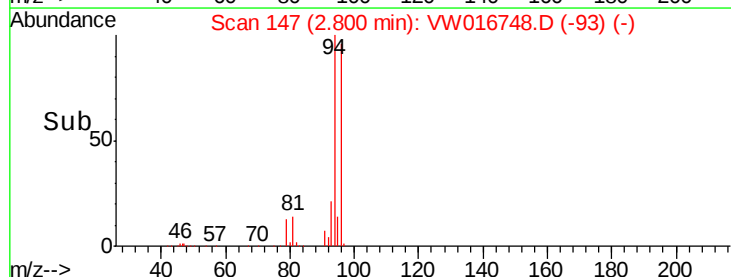
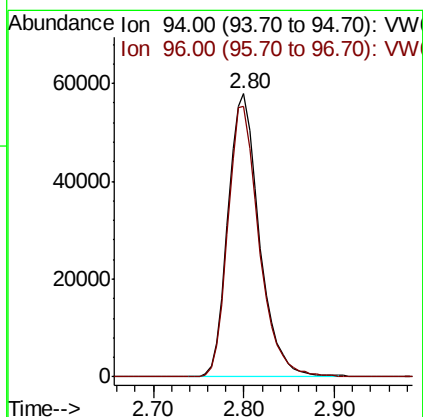
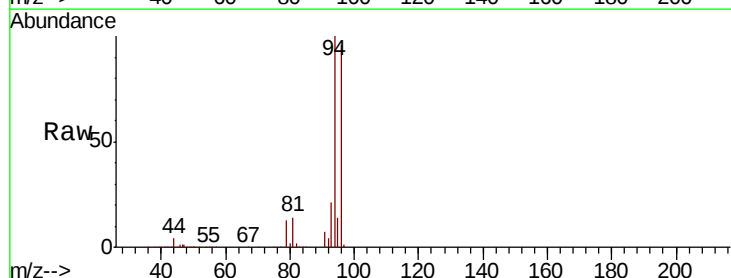
Acq: 01 Oct 2020 19:14

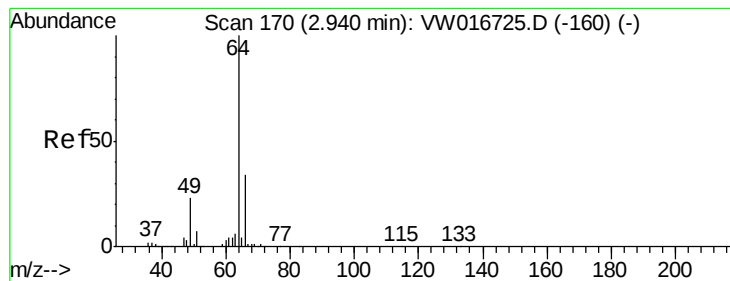
Tgt Ion: 94 Resp: 139194

Ion Ratio Lower Upper

94 100

96 95.2 9.6 181.6





#8

Chloroethane

Concen: 27.783 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

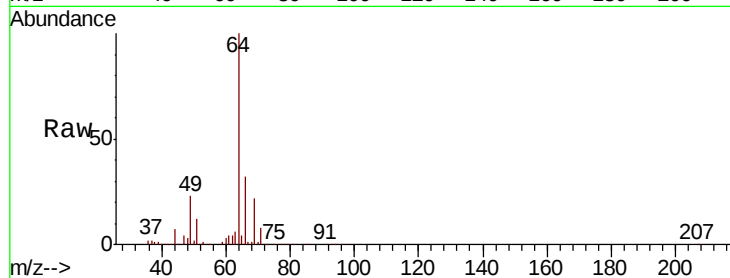
ClientSampleId :

Tot Ion: 64 Resp: 119144

Ion Ratio Lower Upper

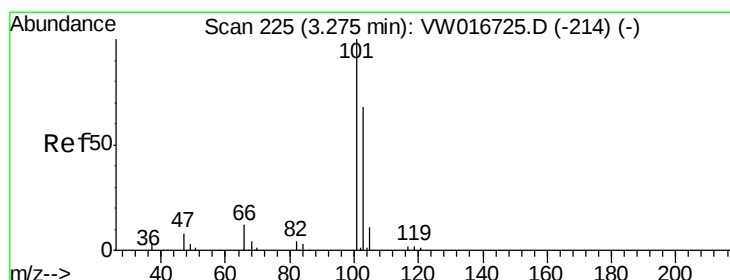
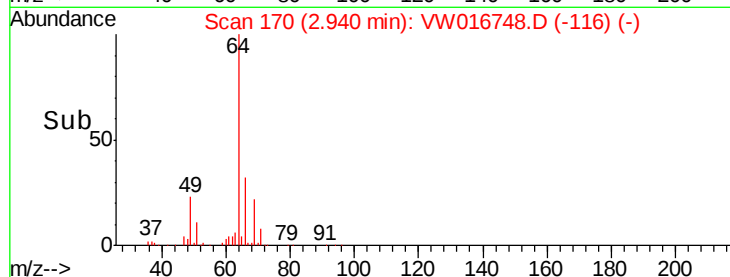
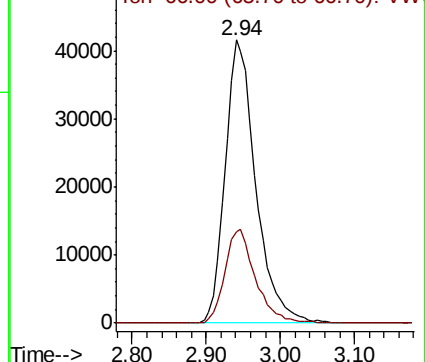
64 100

66 32.3 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 23.586 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016748.D

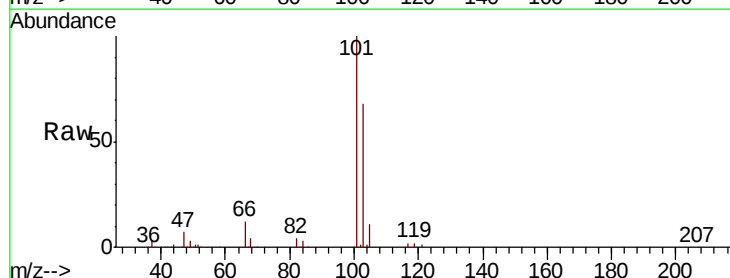
Acq: 01 Oct 2020 19:14

Tgt Ion: 101 Resp: 172382

Ion Ratio Lower Upper

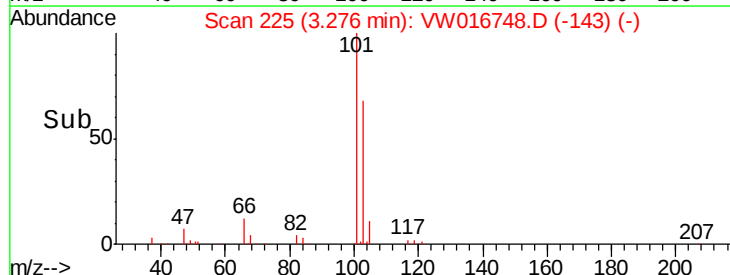
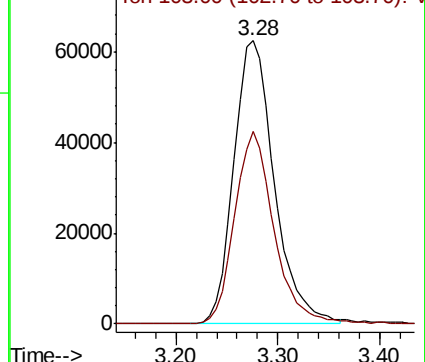
101 100

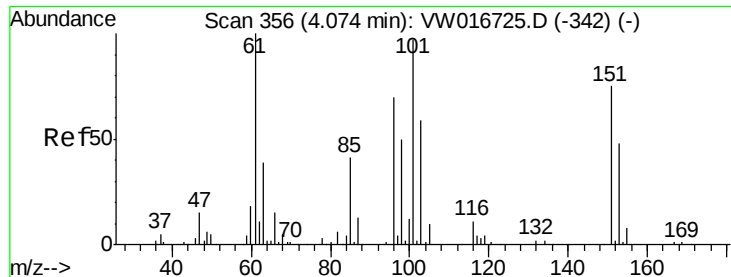
103 65.8 45.2 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 26.891 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :
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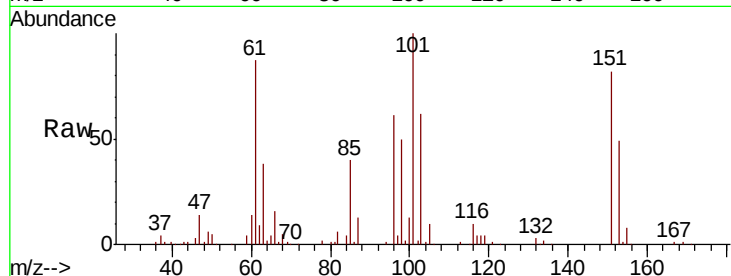
Tot Ion:101 Resp: 188286

Ion Ratio Lower Upper

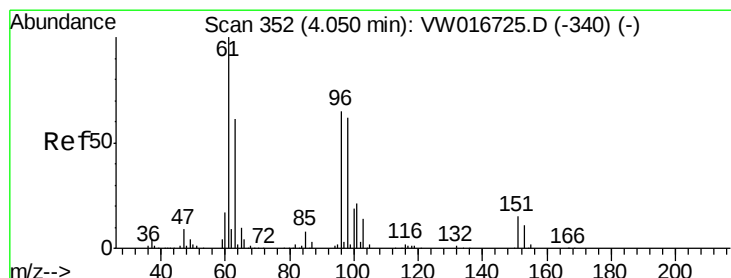
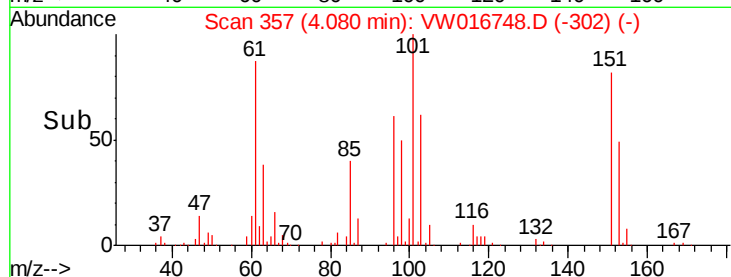
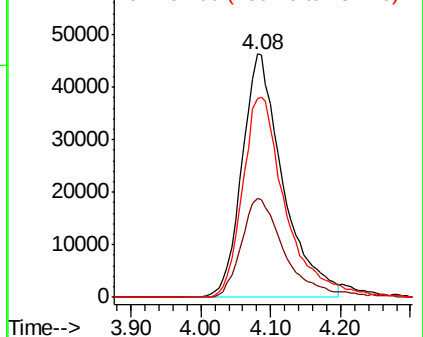
101 100

85 42.0 32.6 49.0

151 87.0 66.0 99.0



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: 27.135 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

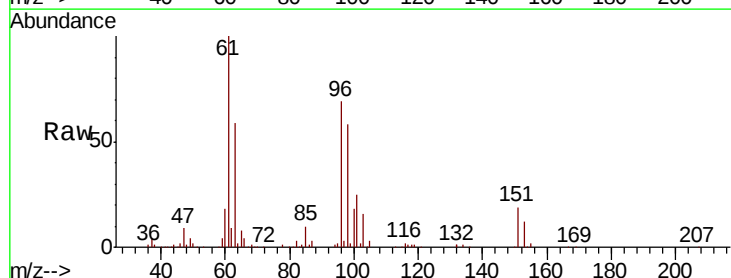
Tgt Ion: 96 Resp: 186792

Ion Ratio Lower Upper

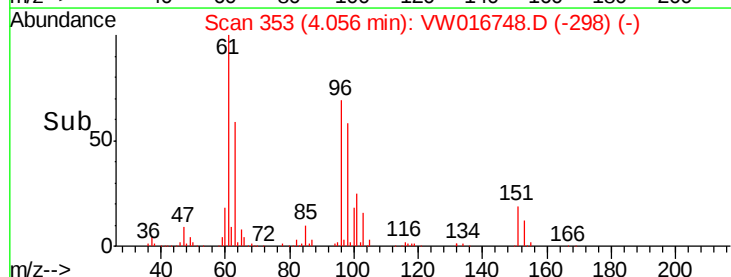
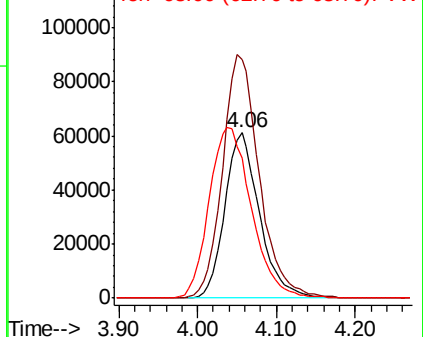
96 100

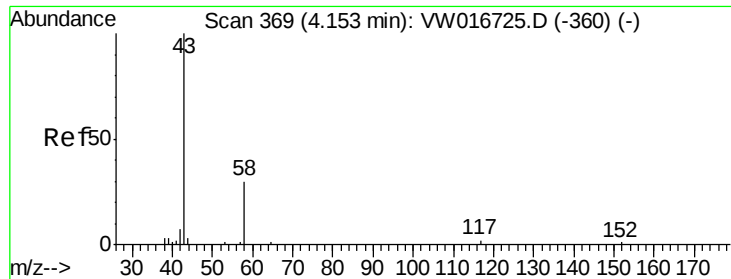
61 144.1 111.4 206.8

63 84.7 73.0 135.6



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: 40.421 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

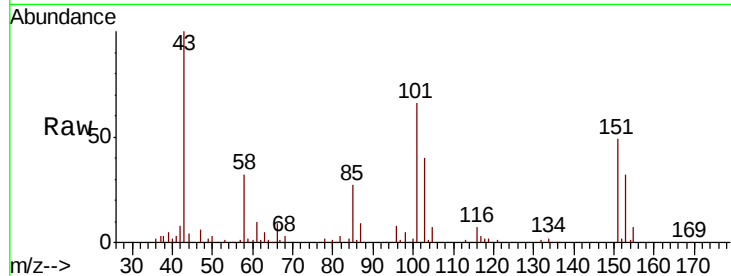
ClientSampled :

Tot Ion: 43 Resp: 45411

Ion Ratio Lower Upper

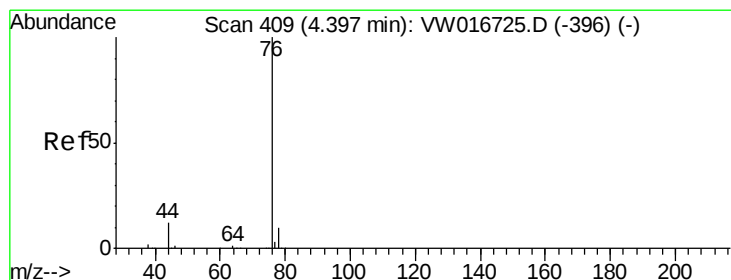
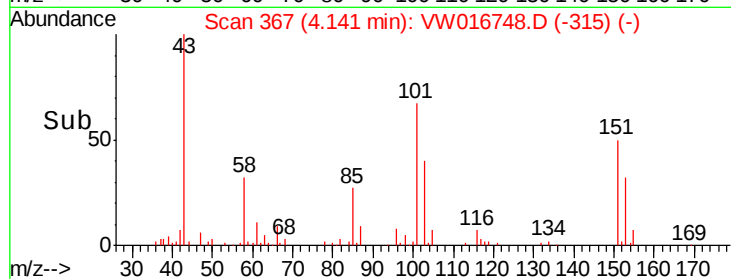
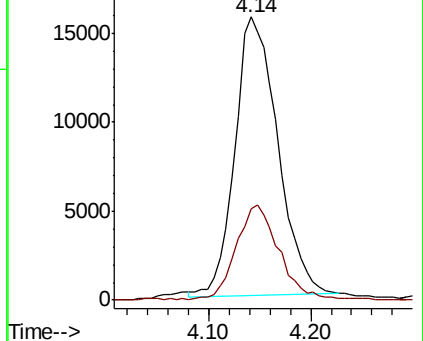
43 100

58 34.6 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.339 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016748.D

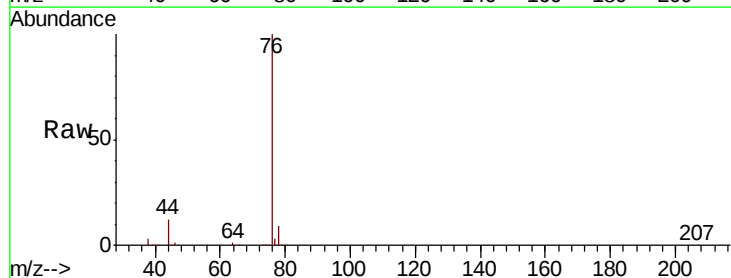
Acq: 01 Oct 2020 19:14

Tgt Ion: 76 Resp: 505461

Ion Ratio Lower Upper

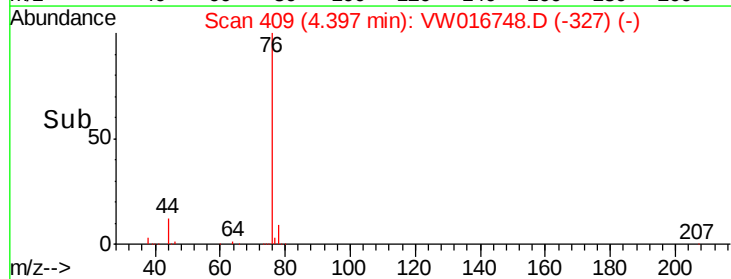
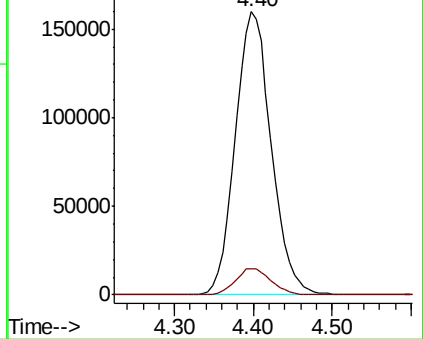
76 100

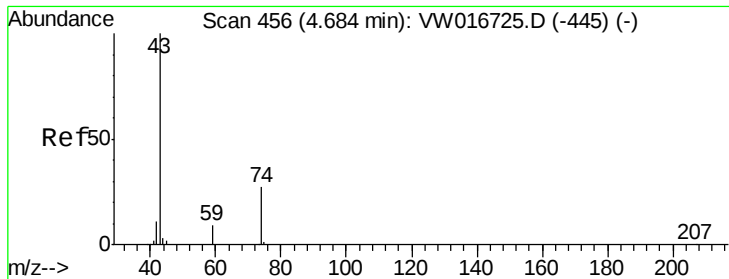
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

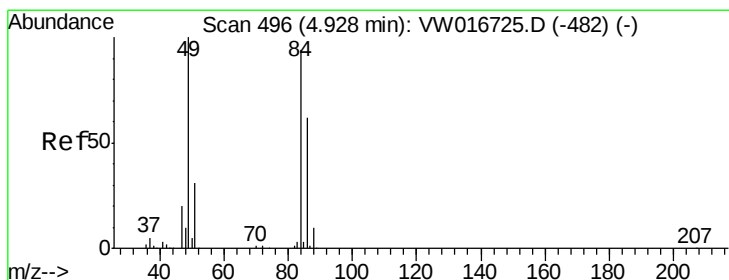
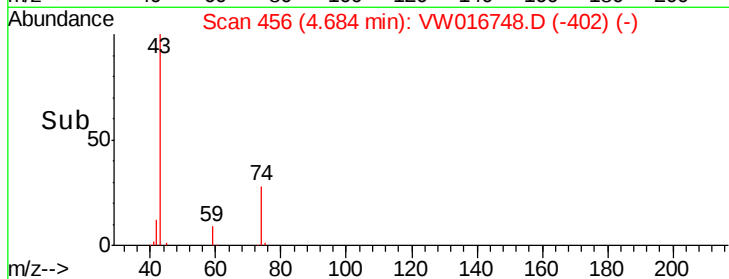
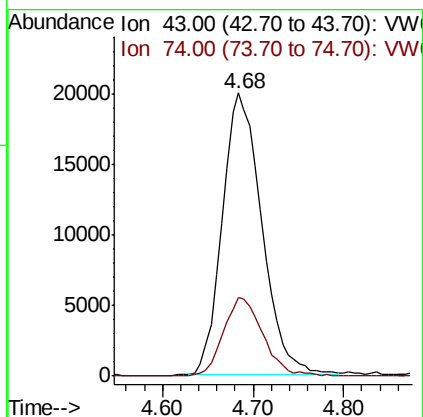
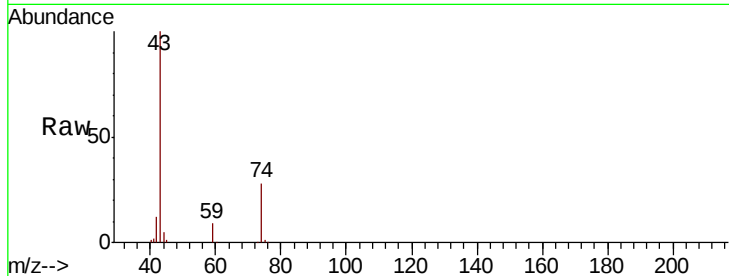




#15
Methvl Acetate
Concen: 23.405 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

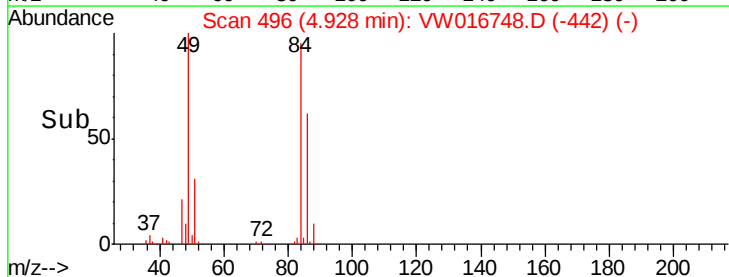
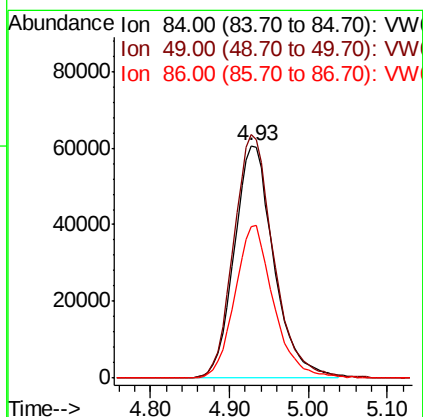
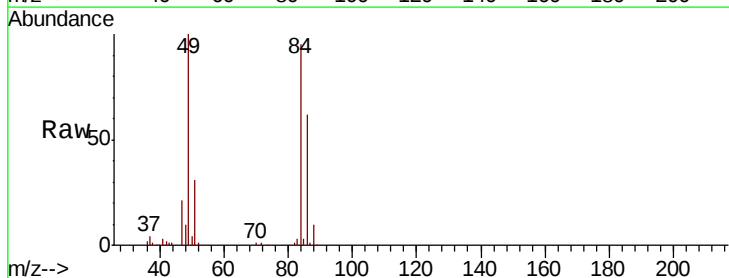
Instrument :
MSVOA_W
ClientSampleId :

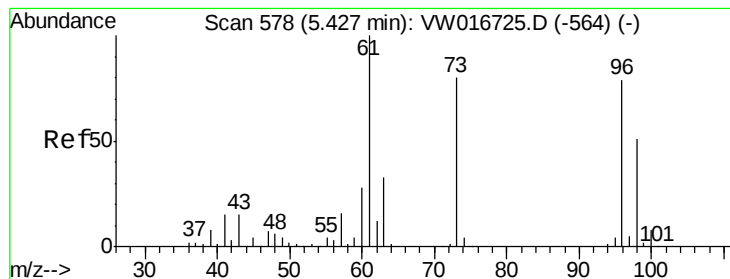
Tot Ion: 43 Resp: 59874
Ion Ratio Lower Upper
43 100
74 28.1 21.5 32.3



#16
Methylene chloride
Concen: 25.233 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

Tgt Ion: 84 Resp: 211498
Ion Ratio Lower Upper
84 100
49 104.9 76.0 141.2
86 65.1 45.6 84.6



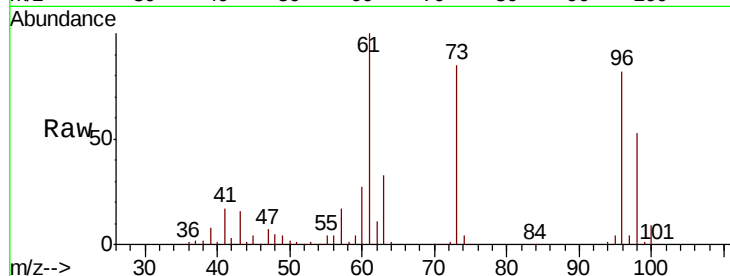


#17

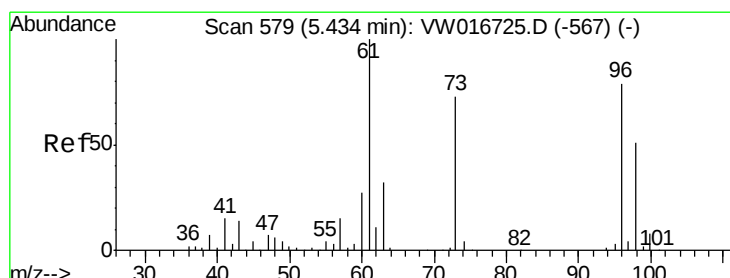
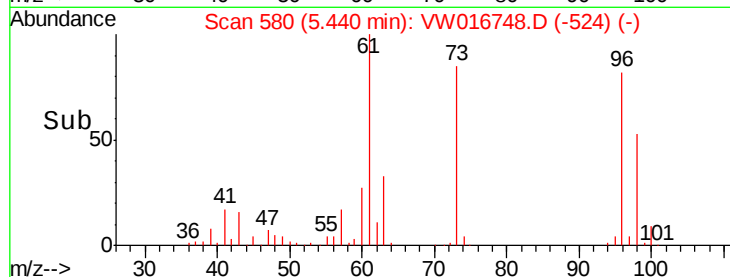
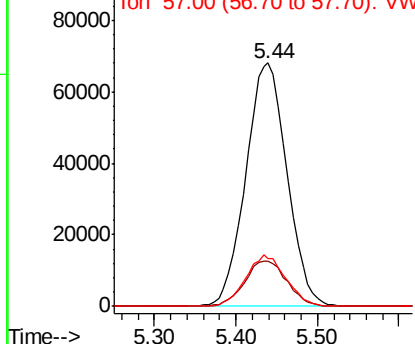
Methvl tert-butvl Ether
 Concen: 25.335 ug/L
 RT: 5.44 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 238873
 Ion Ratio Lower Upper
 73 100
 43 19.2 17.2 25.8
 57 20.4 16.3 24.5



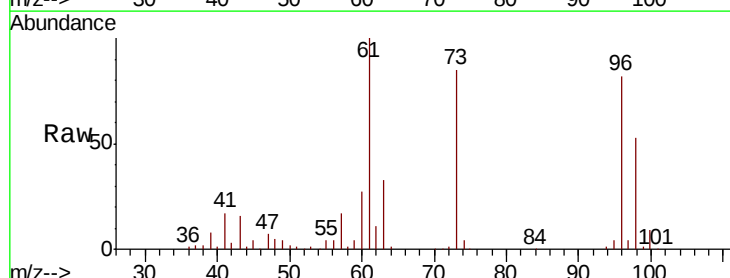
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



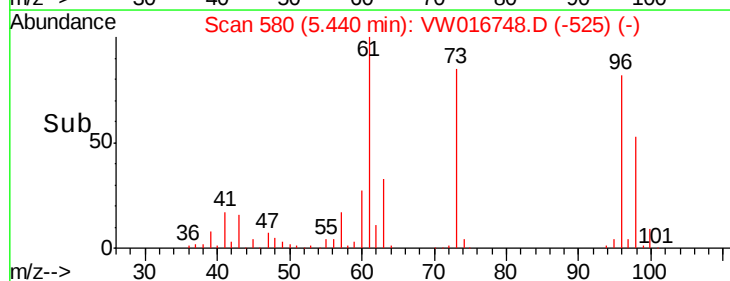
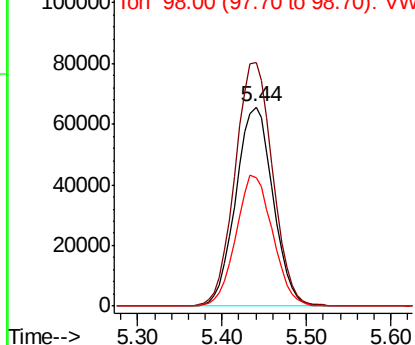
#18

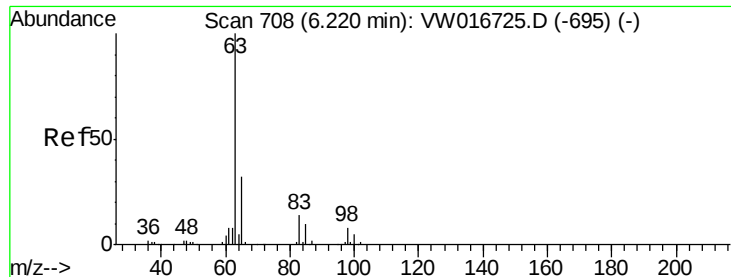
trans-1,2-Dichloroethene
 Concen: 27.642 ug/L
 RT: 5.44 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion: 96 Resp: 197053
 Ion Ratio Lower Upper
 96 100
 61 122.2 88.4 164.2
 98 64.7 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 28.011 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

ClientSampled :

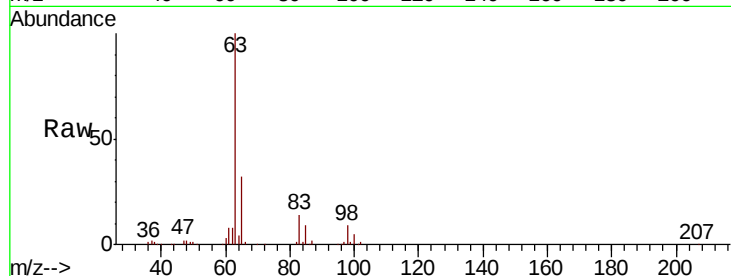
Tot Ion: 63 Resp: 315781

Ion Ratio Lower Upper

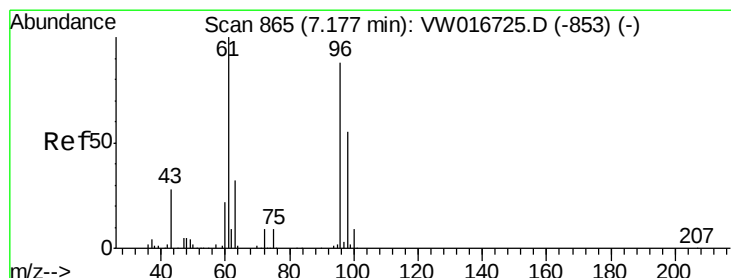
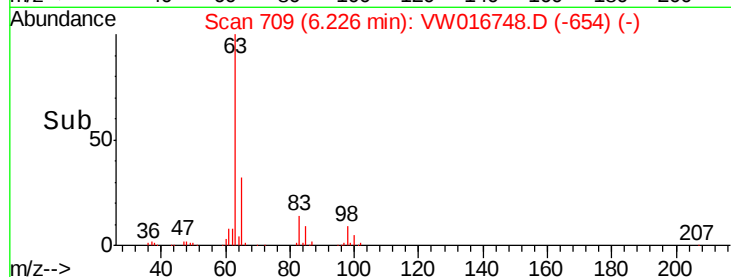
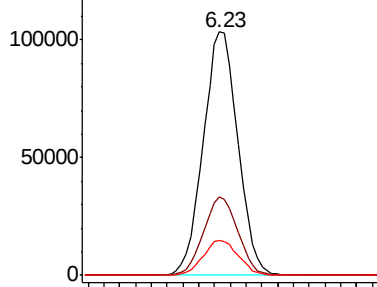
63 100

65 32.4 21.6 40.0

83 14.3 10.4 19.2



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: 40.953 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016748.D

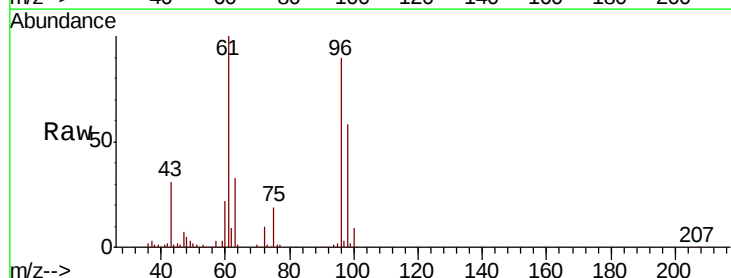
Acq: 01 Oct 2020 19:14

Tgt Ion: 43 Resp: 78272

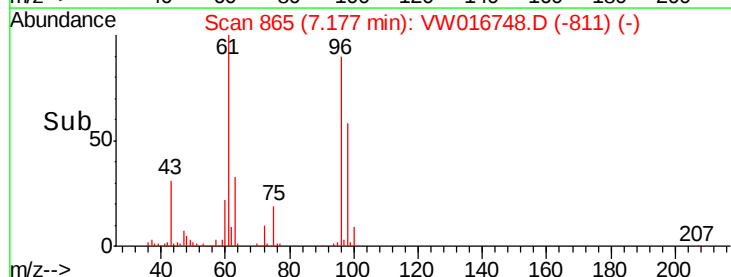
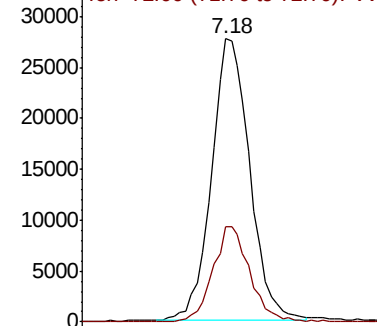
Ion Ratio Lower Upper

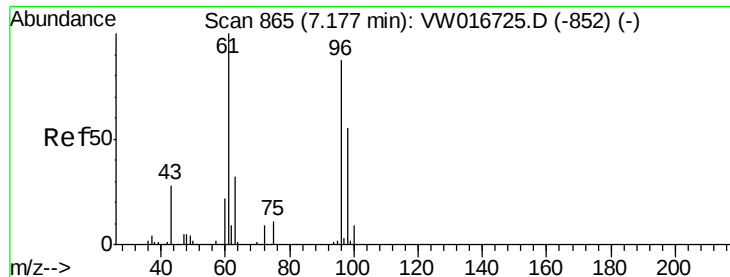
43 100

72 33.1 14.6 43.8



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



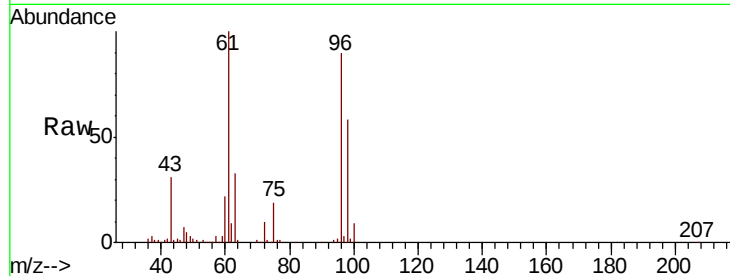


#22

cis-1,2-Dichloroethene
 Concen: 28.705 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.3	78.4	145.6
98	64.3	44.8	83.2

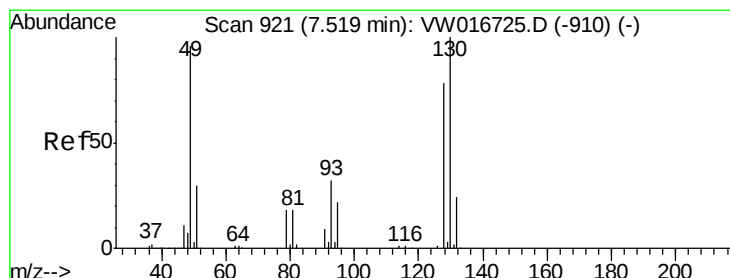
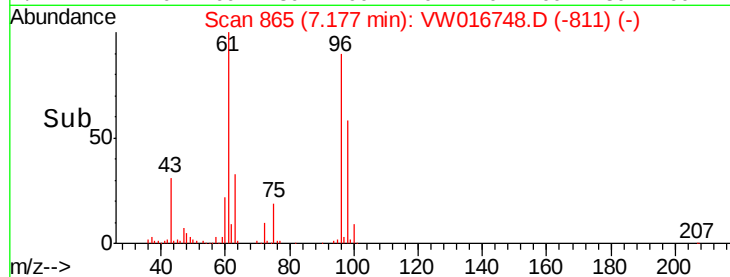
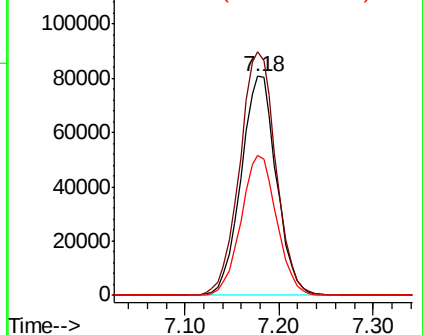


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

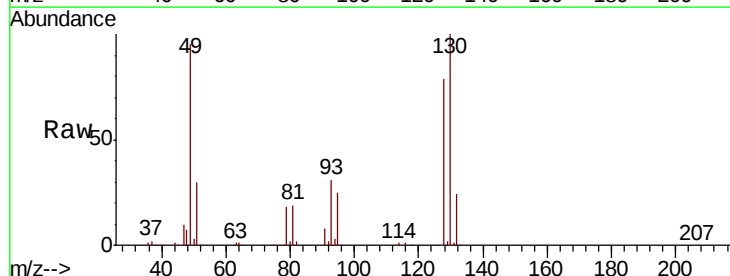
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
 Concen: 28.167 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	120.3	92.1	171.1
130	126.1	87.8	163.0
51	37.9	33.6	50.4



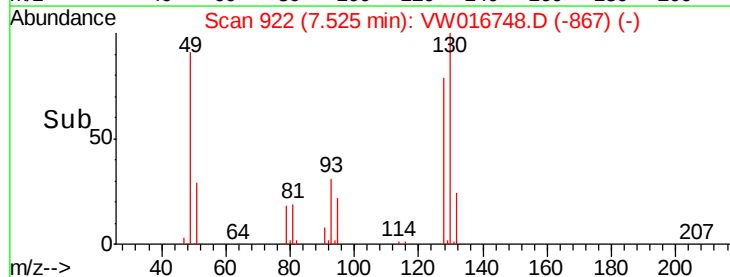
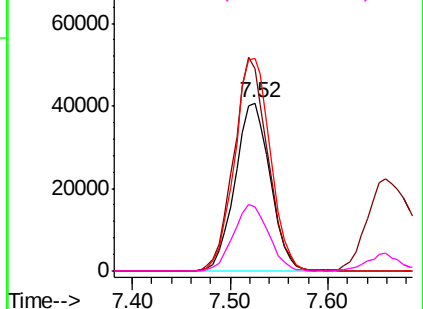
Abundance

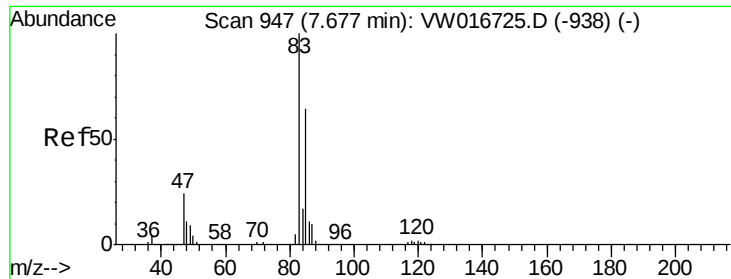
Ion 128.00 (127.70 to 128.70): V

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: 28.470 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

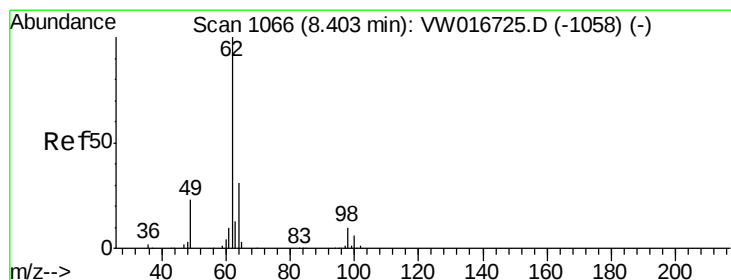
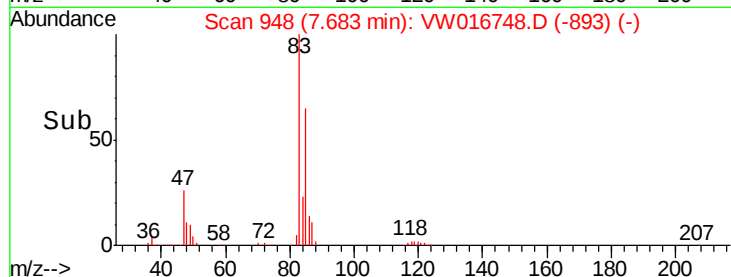
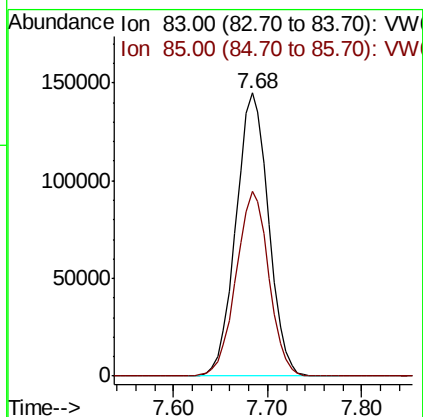
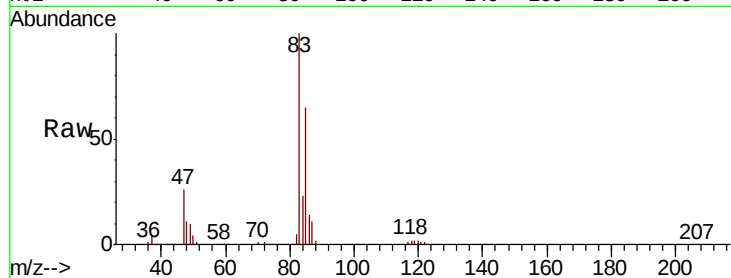
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 349931

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 26.299 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW016748.D

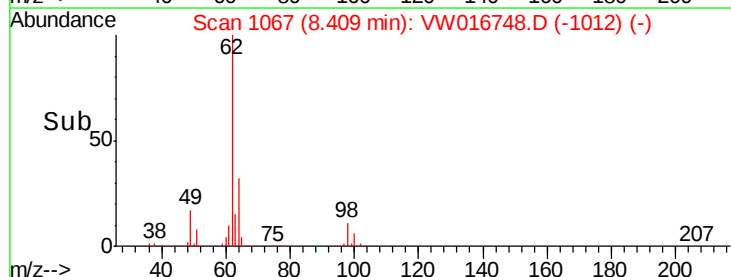
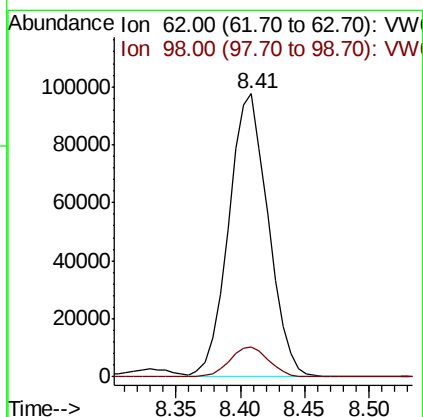
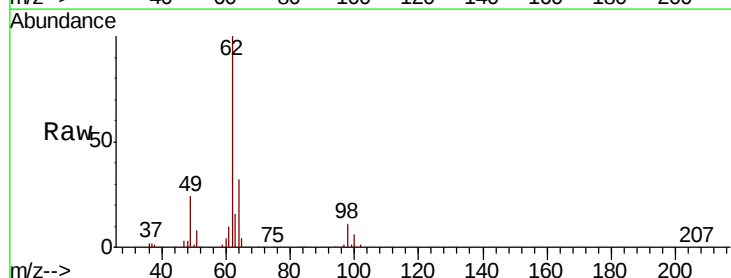
Acq: 01 Oct 2020 19:14

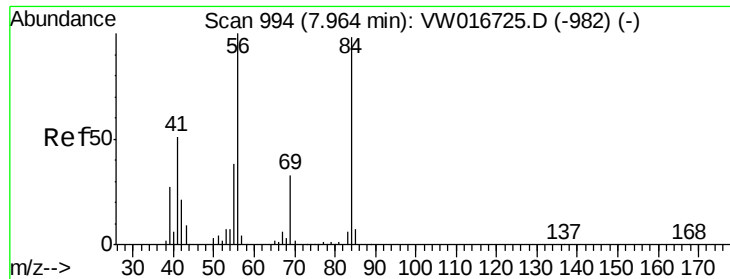
Tgt Ion: 62 Resp: 207404

Ion Ratio Lower Upper

62 100

98 10.7 7.9 11.9

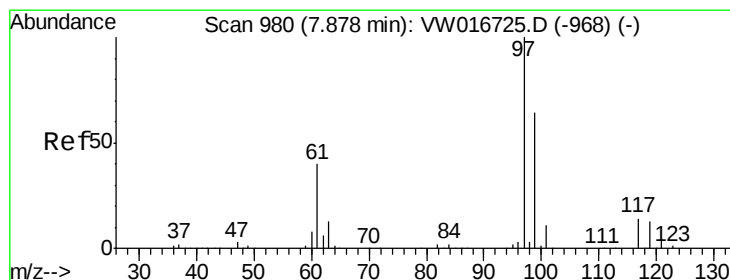
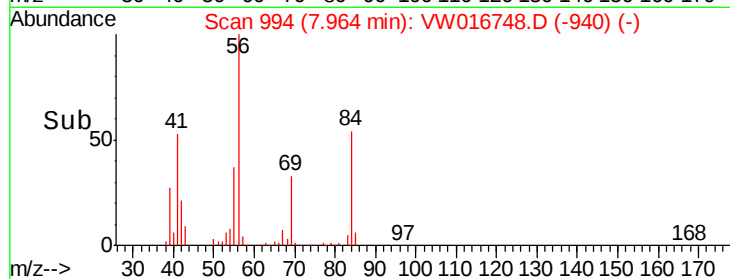
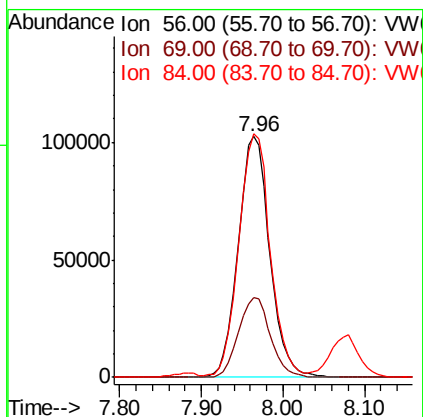
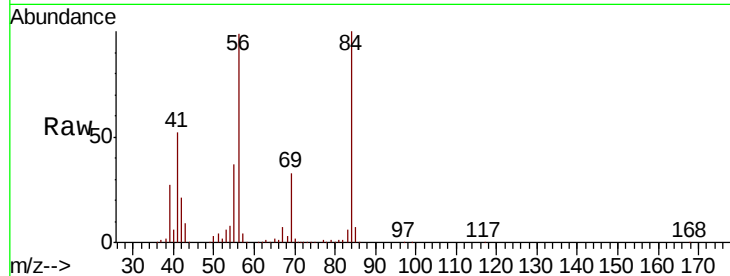




#30
Cyclohexane
Concen: 24.910 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

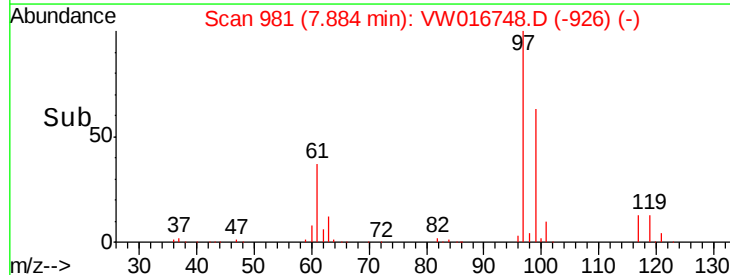
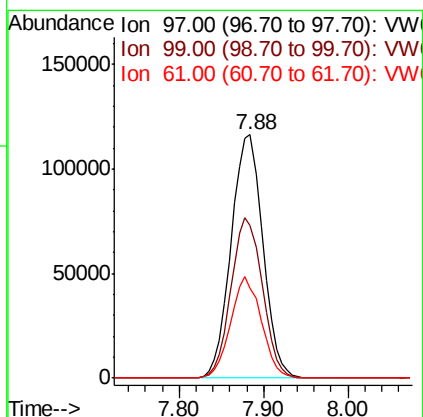
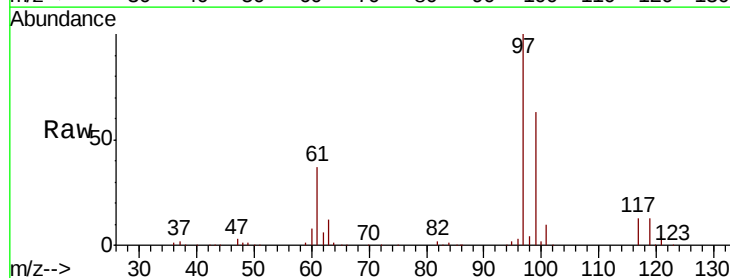
Instrument :
MSVOA_W
ClientSampled :

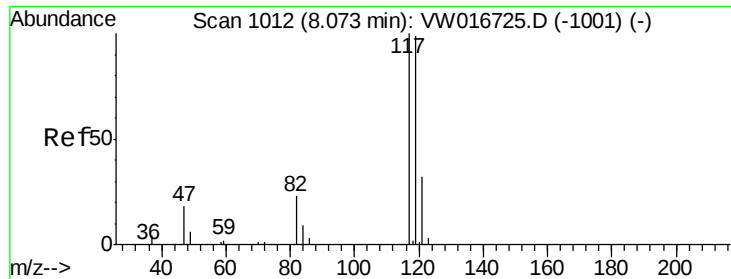
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.5	39.7
84	101.2	79.0	118.6



#31
1,1,1-Trichloroethane
Concen: 25.175 ug/L
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	40.5	33.6	50.4

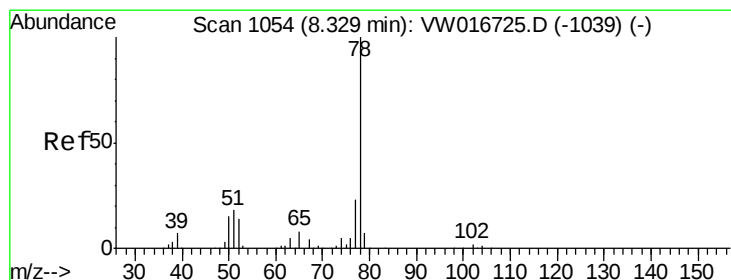
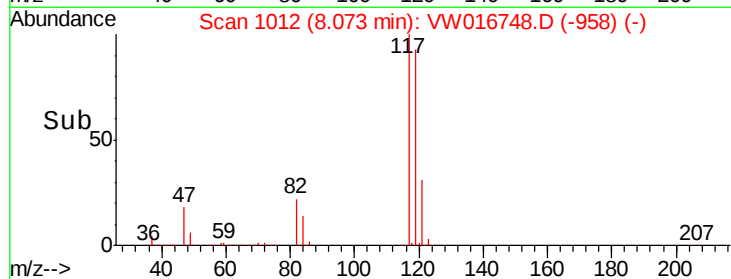
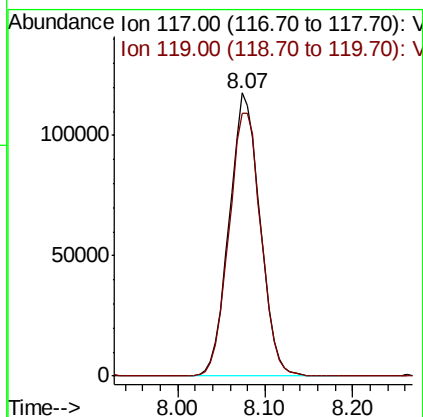
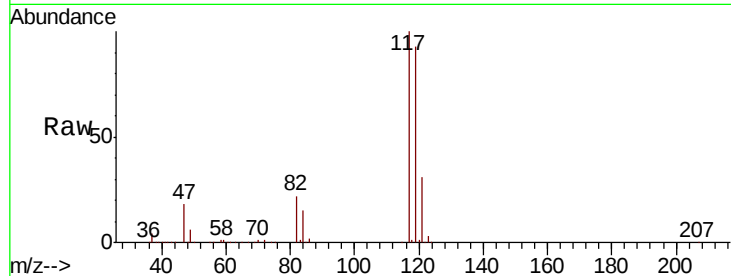




#32
Carbon tetrachloride
Concen: 25.118 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

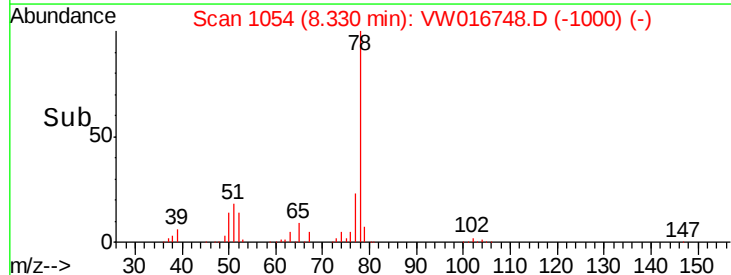
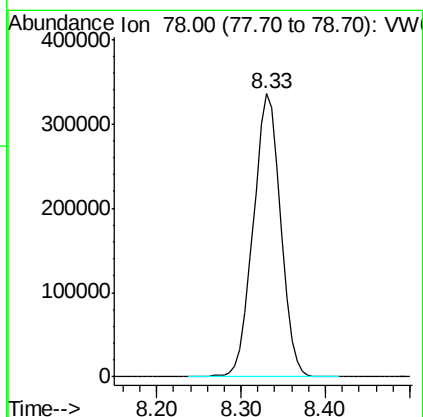
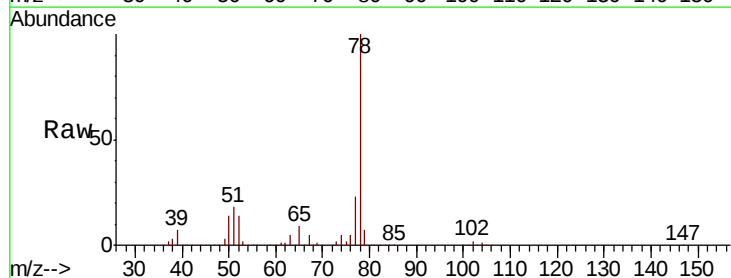
Instrument :
MSVOA_W
ClientSampled :

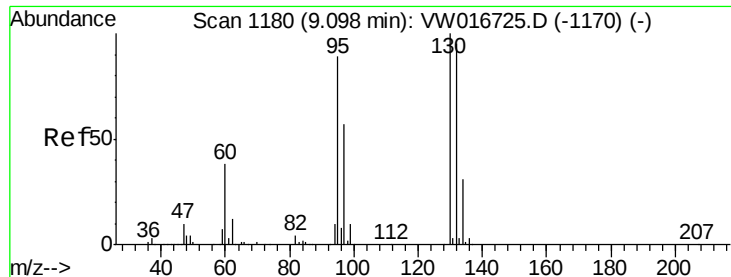
Tot Ion:117 Resp: 288034
Ion Ratio Lower Upper
117 100
119 97.0 78.2 117.4



#34
Benzene
Concen: 27.435 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

Tgt Ion: 78 Resp: 743143

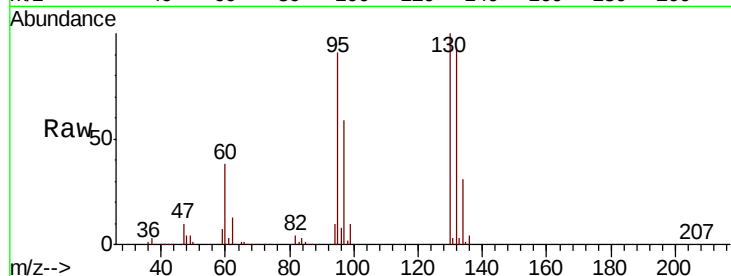




#35
 Trichloroethene
 Concen: 26.851 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	95	Resp	210434
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.2	84.0
132	104.5	73.3	136.1
130	110.0	77.5	143.9



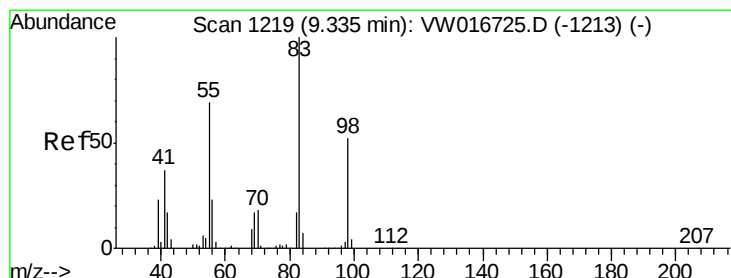
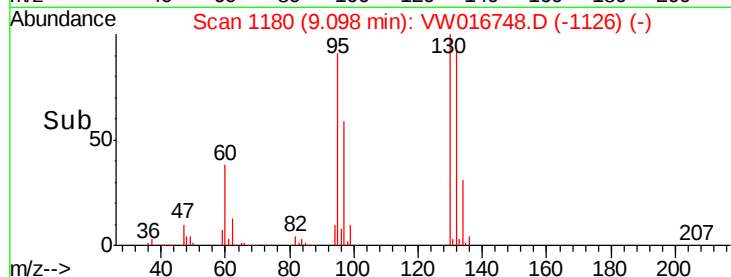
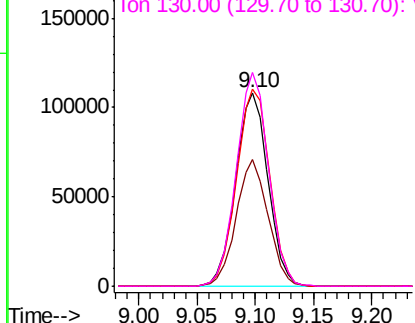
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

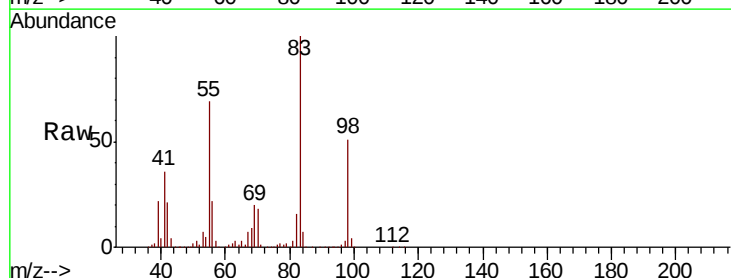
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.731 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion	83	Resp	342039
Ion	Ratio	Lower	Upper
83	100		
55	69.2	55.9	83.9
98	51.7	42.1	63.1

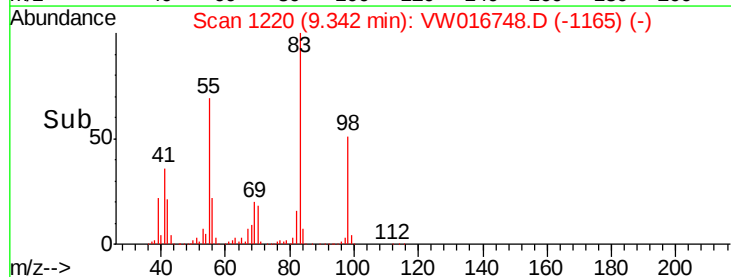
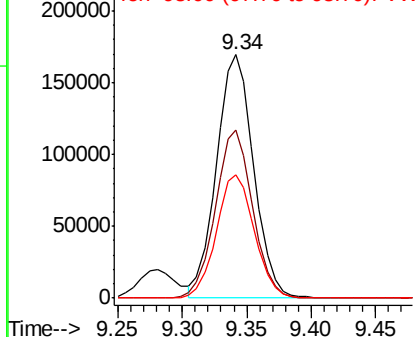


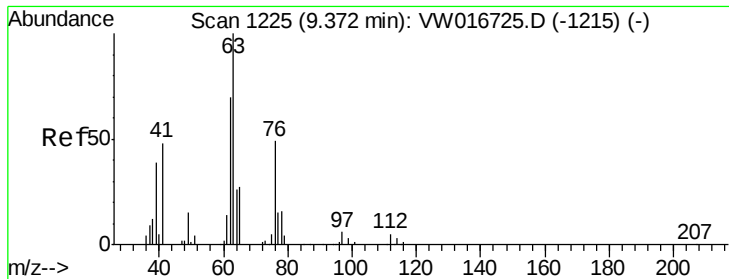
Abundance

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

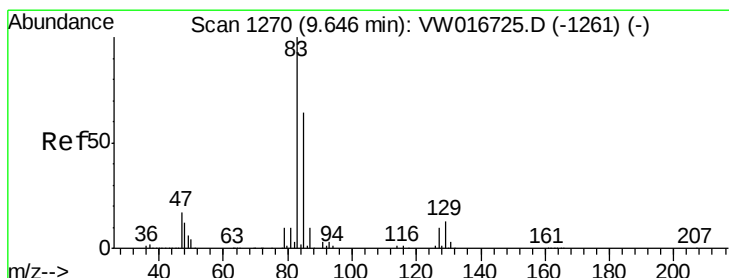
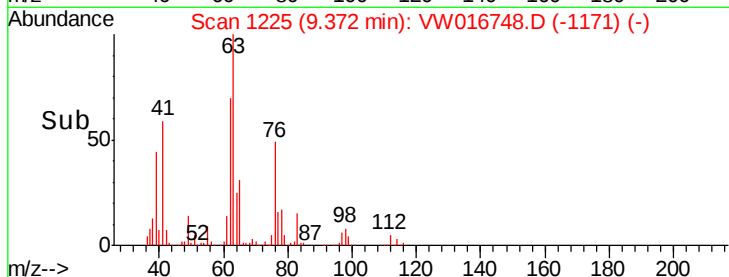
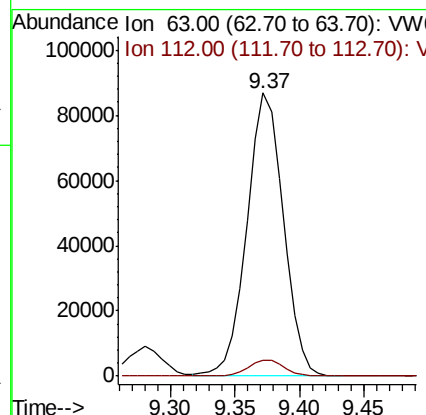
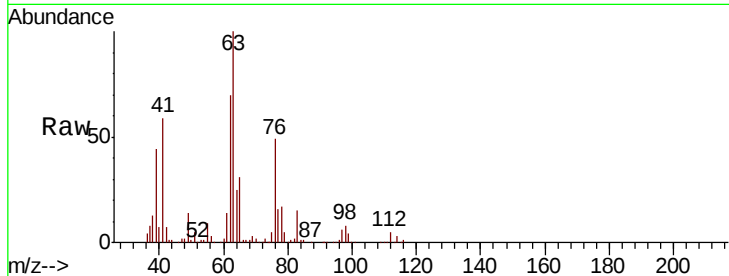




#40
 1,2-Dichloropropane
 Concen: 27.032 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

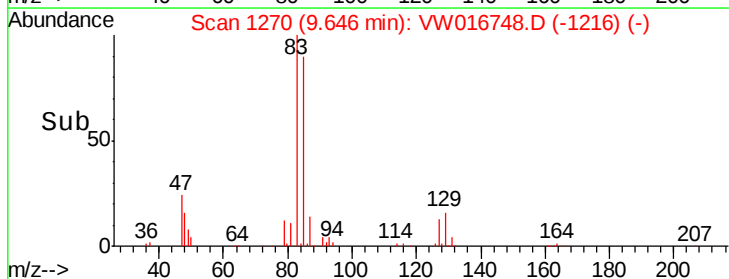
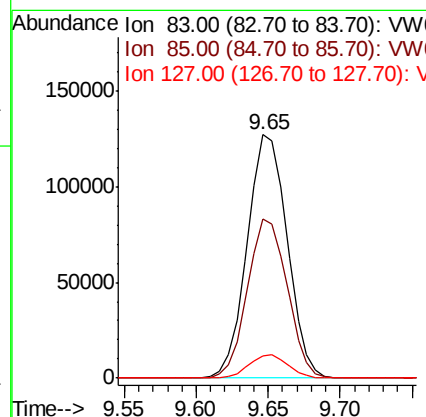
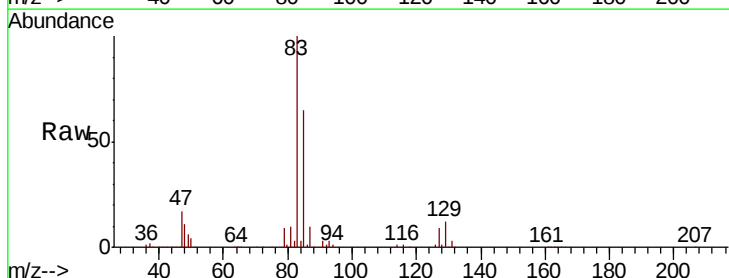
Instrument :
 MSVOA_W
 ClientSampled :

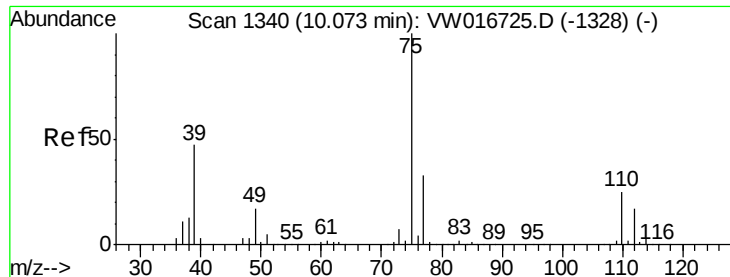
Tot Ion: 63 Resp: 170298
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.256 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion: 83 Resp: 245122
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.8 86.8
 127 9.1 6.8 10.2

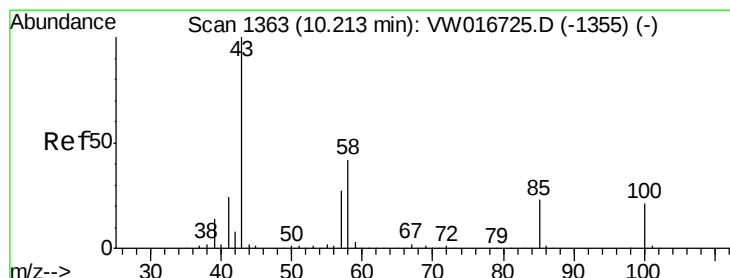
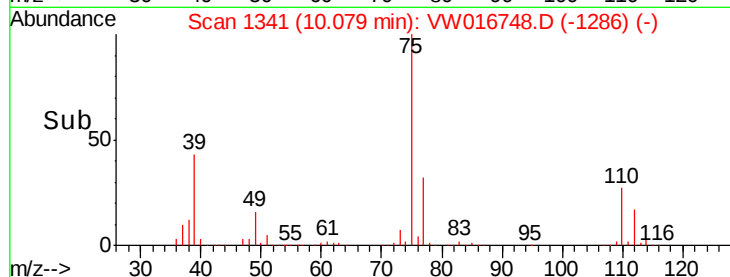
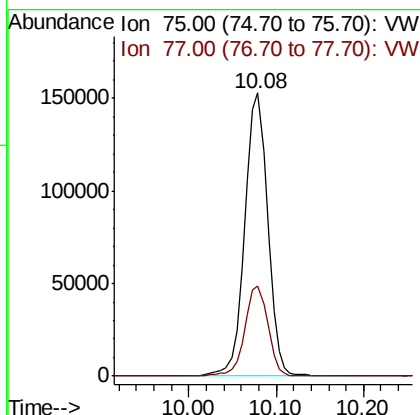
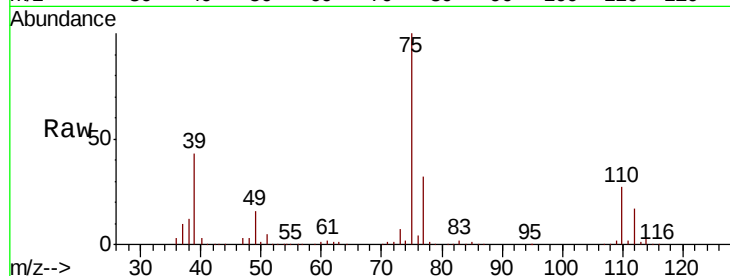




#42
 cis-1,3-Dichloropropene
 Concen: 25.899 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

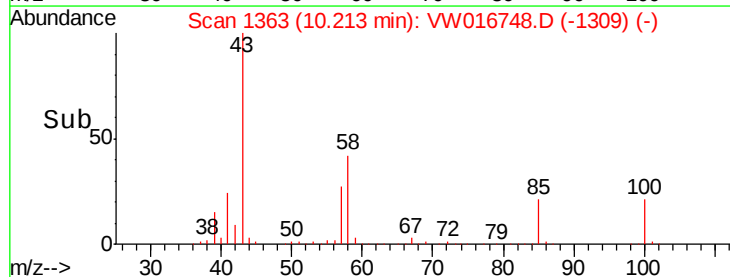
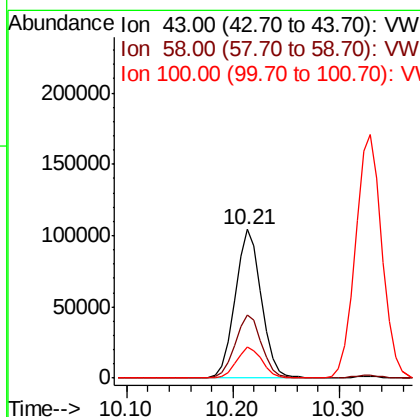
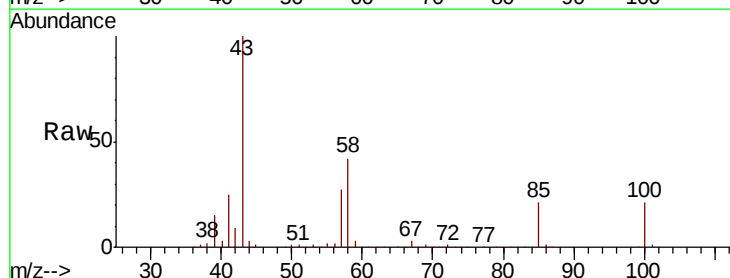
Instrument :
 MSVOA_W
 ClientSampled :

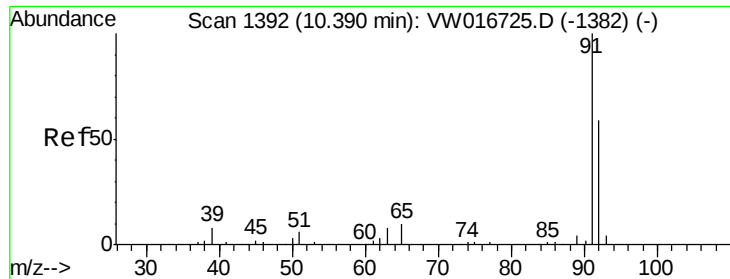
Tot Ion: 75 Resp: 278692
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 44.909 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion: 43 Resp: 179753
 Ion Ratio Lower Upper
 43 100
 58 42.9 32.2 48.4
 100 20.8 15.8 23.6





#44

Toluene

Concen: 27.487 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

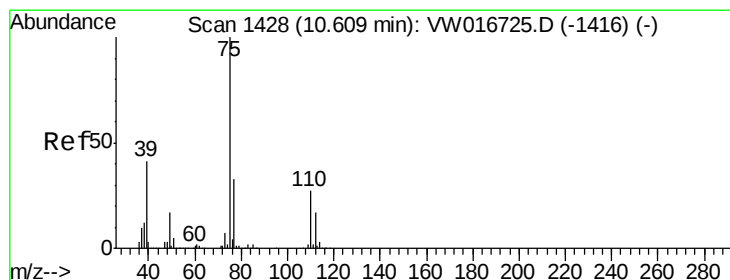
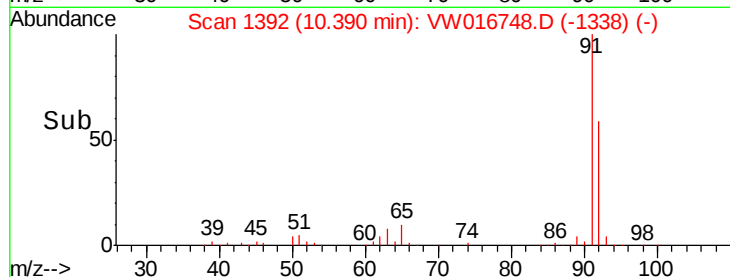
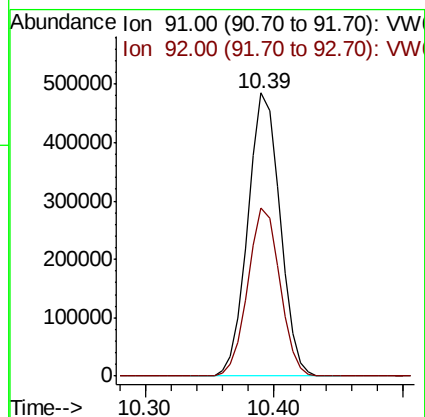
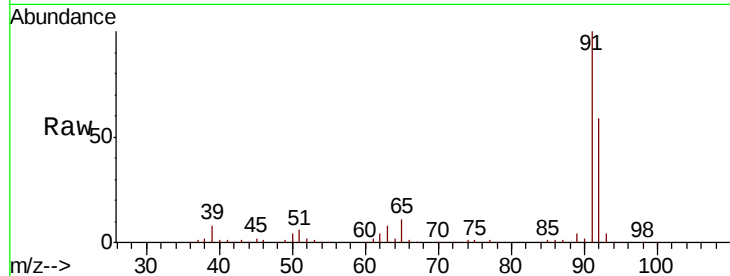
ClientSampled :

Tot Ion: 91 Resp: 837212

Ion Ratio Lower Upper

91 100

92 59.3 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.461 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016748.D

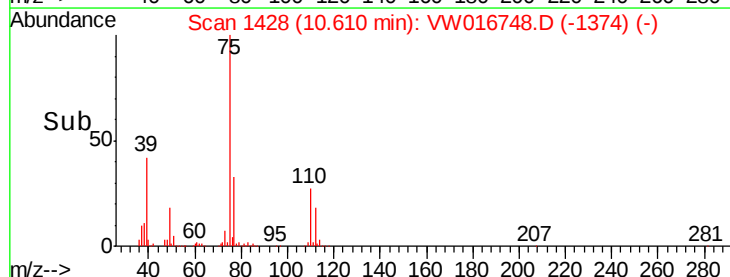
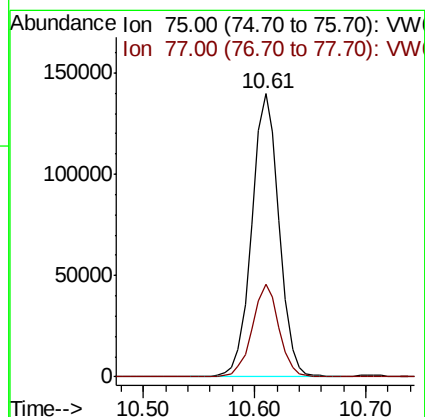
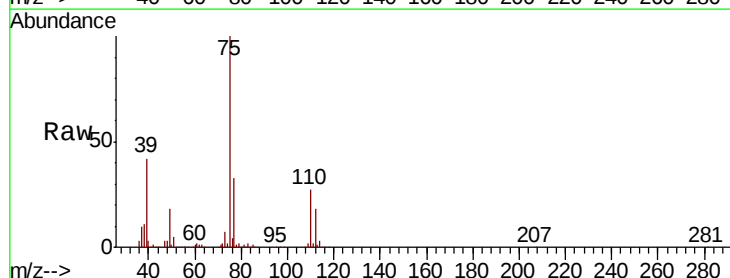
Acq: 01 Oct 2020 19:14

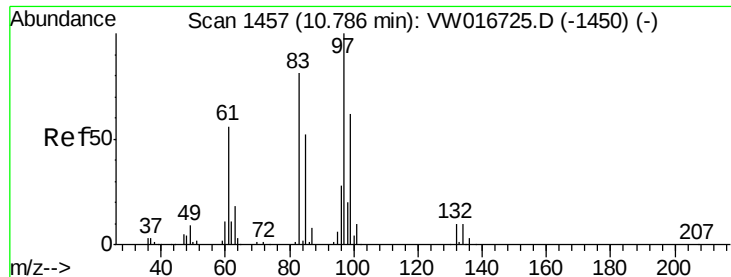
Tgt Ion: 75 Resp: 238381

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 27.010 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 143351

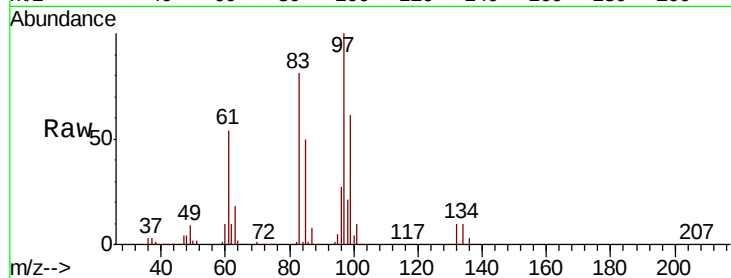
Ion Ratio Lower Upper

97 100

83 80.9 55.7 103.5

85 49.9 36.8 68.4

99 61.2 43.7 81.1



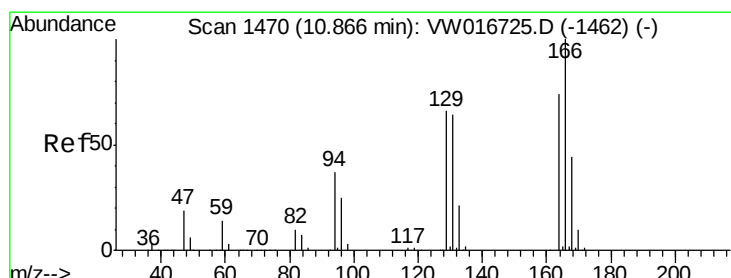
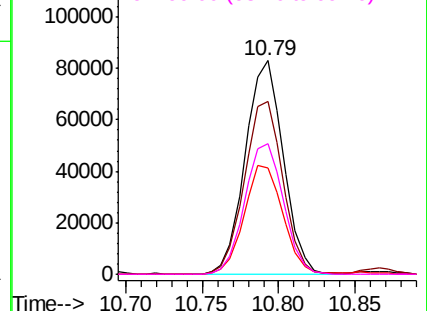
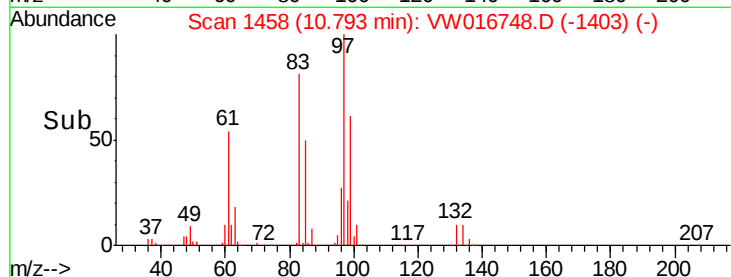
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.928 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Tgt Ion: 164 Resp: 190561

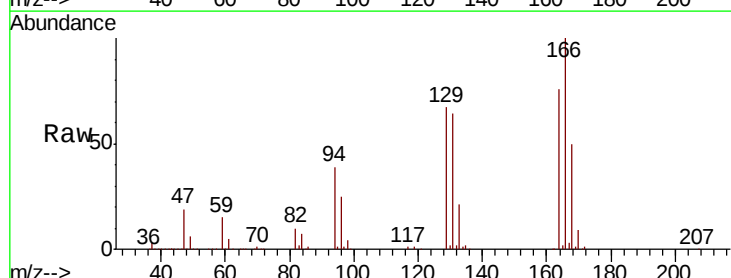
Ion Ratio Lower Upper

164 100

129 88.4 55.6 103.2

131 83.7 57.2 106.2

166 131.0 86.5 160.6



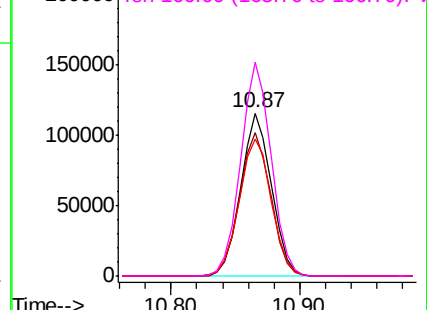
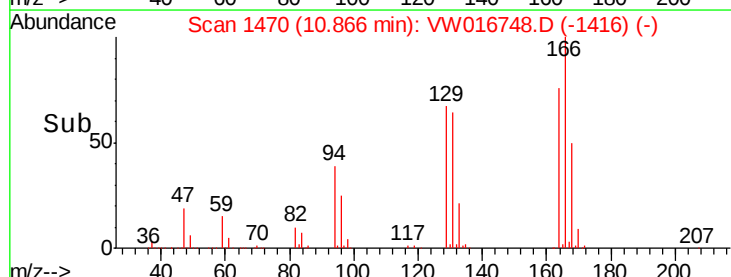
Abundance

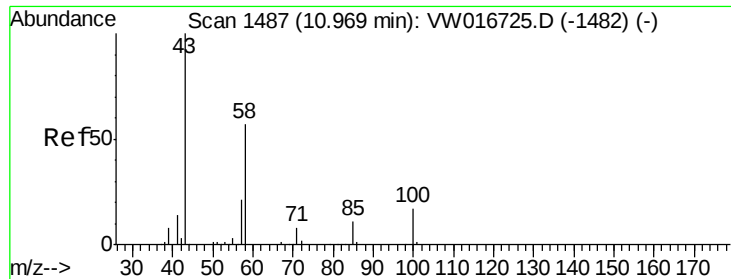
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

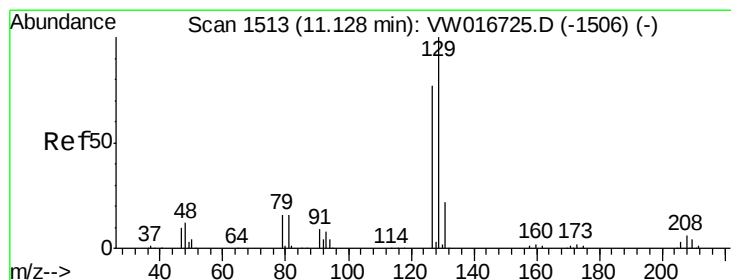
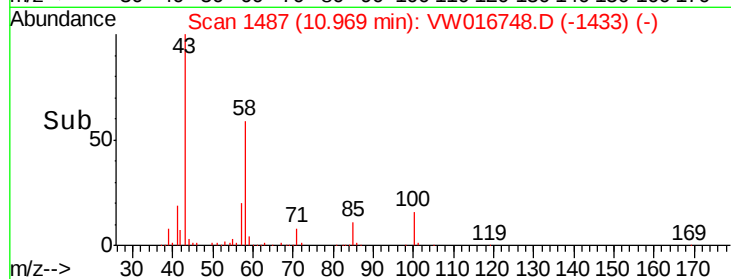
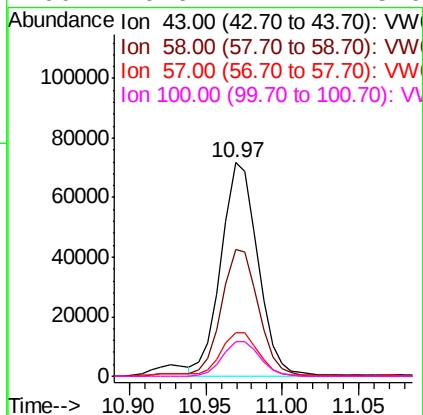
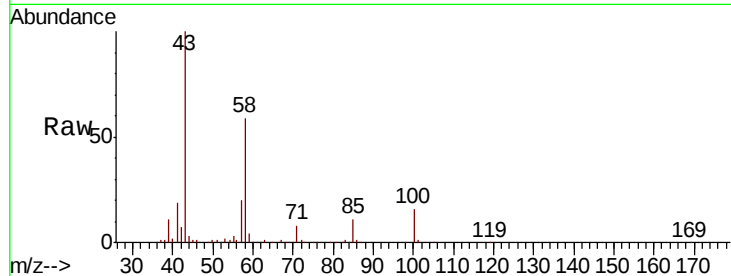




#49
2-Hexanone
Concen: 47.333 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

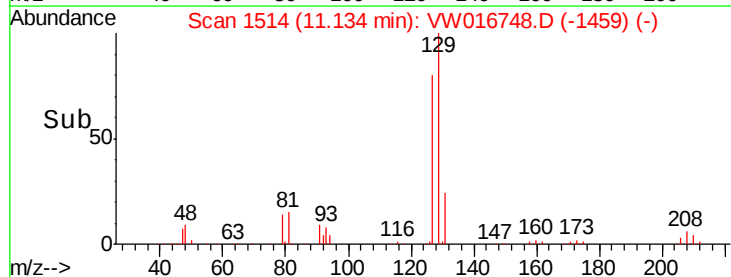
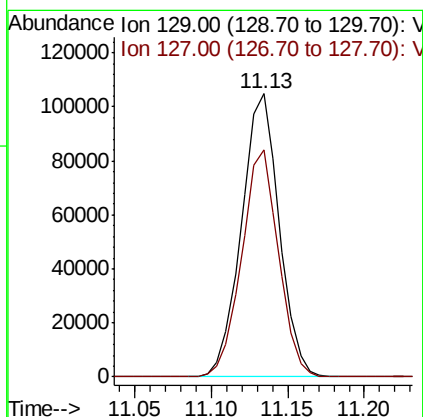
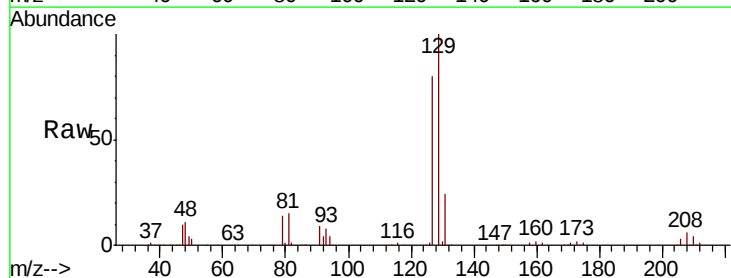
Instrument :
MSVOA_W
ClientSampled :

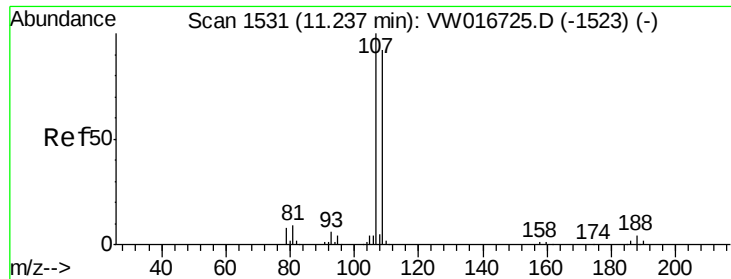
Tot Ion: 43 Resp: 120238
Ion Ratio Lower Upper
43 100
58 60.0 44.2 66.2
57 21.0 16.3 24.5
100 16.6 12.4 18.6



#50
Dibromochloromethane
Concen: 25.898 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

Tgt Ion: 129 Resp: 179456
Ion Ratio Lower Upper
129 100
127 80.3 52.4 97.4

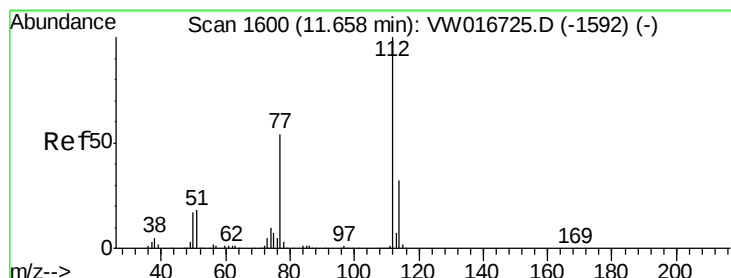
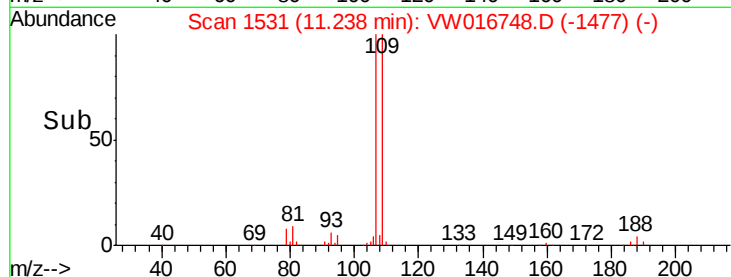
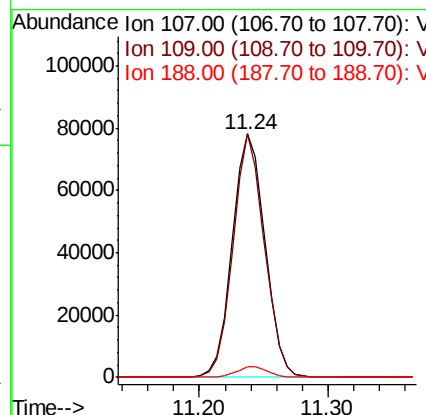
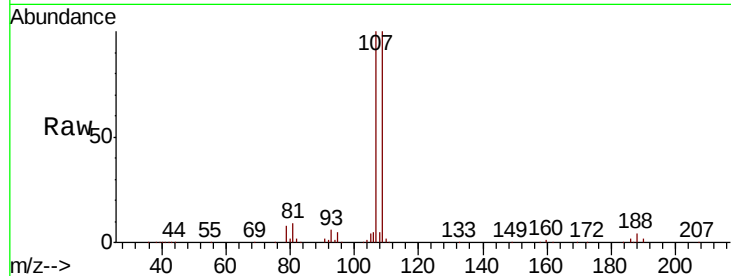




#51
 1,2-Dibromoethane
 Concen: 26.080 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

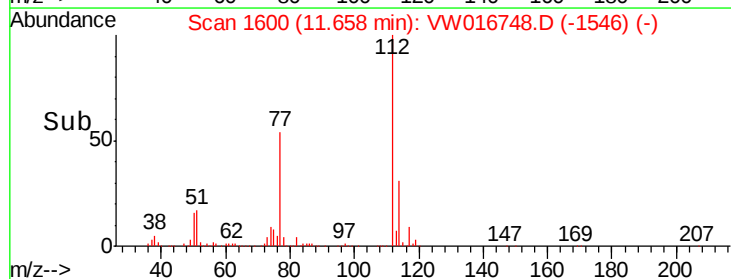
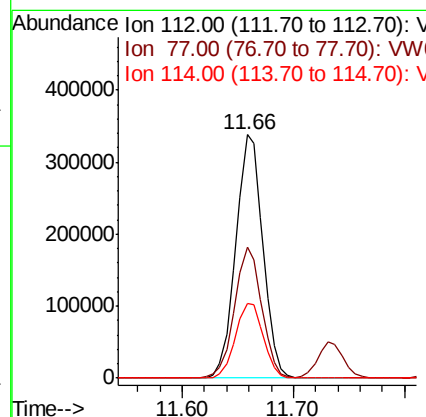
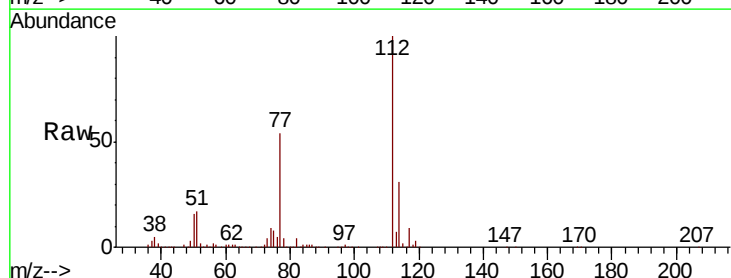
Instrument :
 MSVOA_W
 ClientSampled :

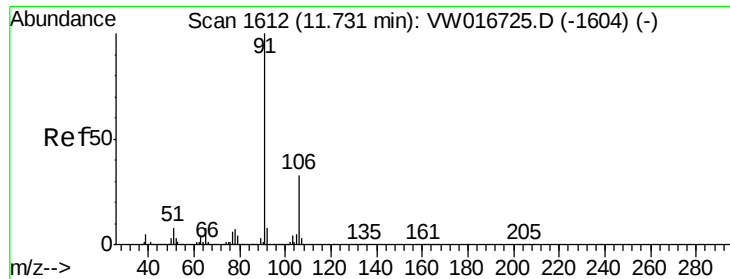
Tot Ion	Ratio	Lower	Upper
107	100		
109	100.0	63.0	117.0
188	4.5	3.1	4.7



#52
 Chlorobenzene
 Concen: 27.728 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.5	43.1	64.7
114	30.9	22.3	41.3

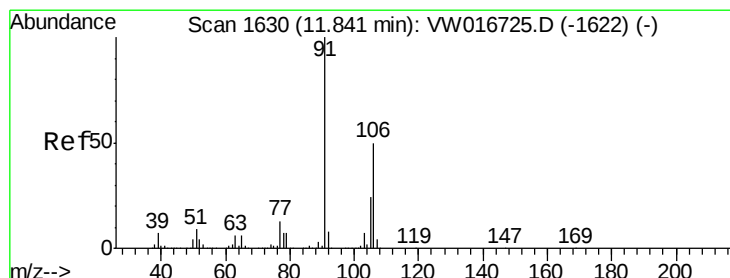
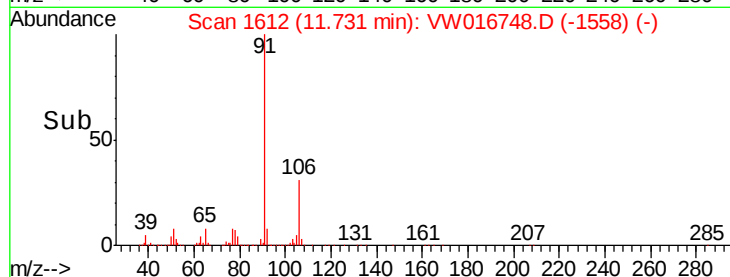
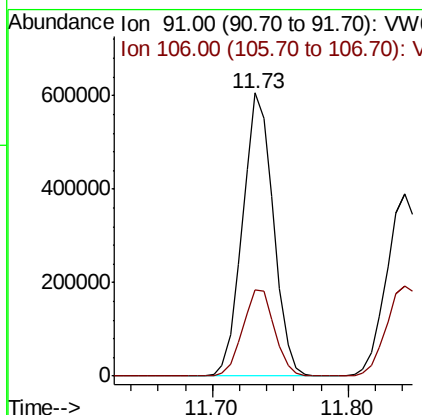
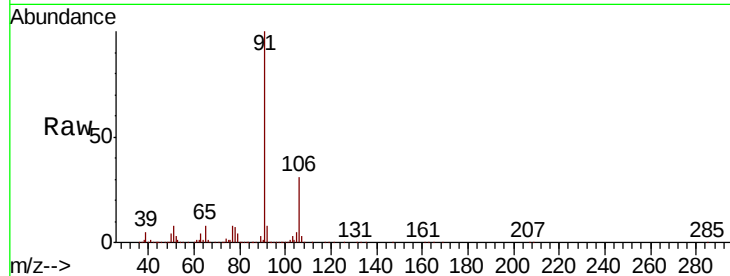




#53
Ethylbenzene
Concen: 27.679 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

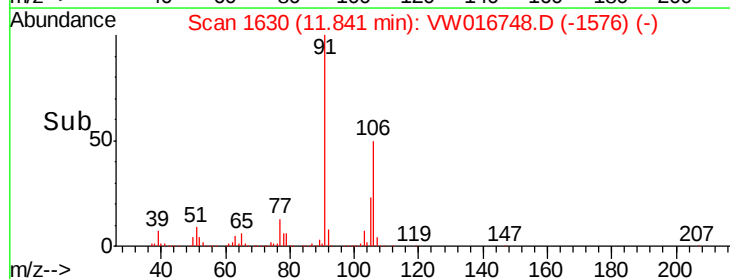
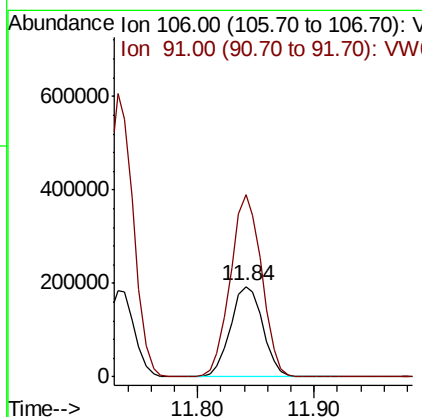
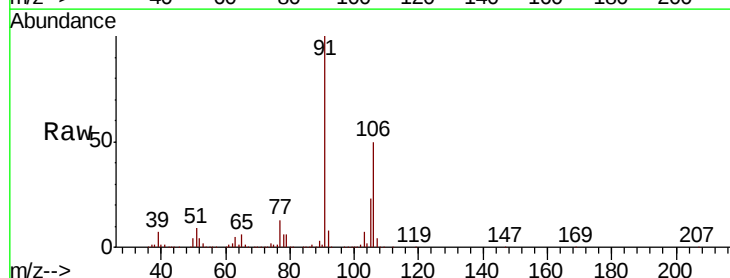
Instrument :
MSVOA_W
ClientSampleId :

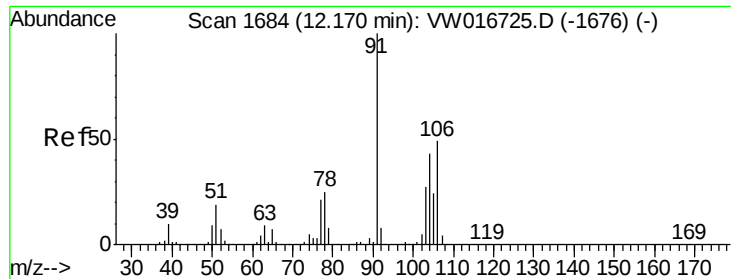
Tot Ion: 91 Resp: 957155
Ion Ratio Lower Upper
91 100
106 30.6 20.7 38.5



#54
m,p-Xylene
Concen: 27.518 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

Tgt Ion: 106 Resp: 372619
Ion Ratio Lower Upper
106 100
91 201.4 139.7 259.5

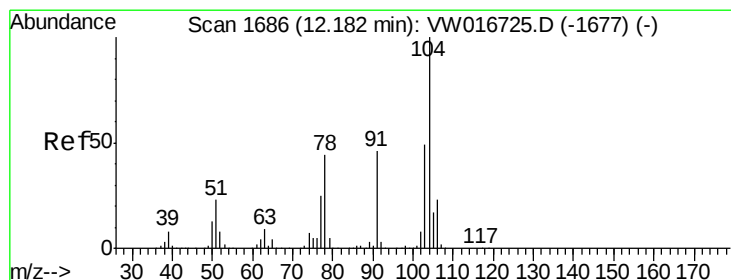
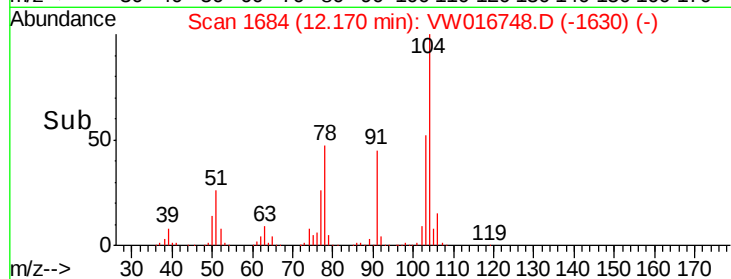
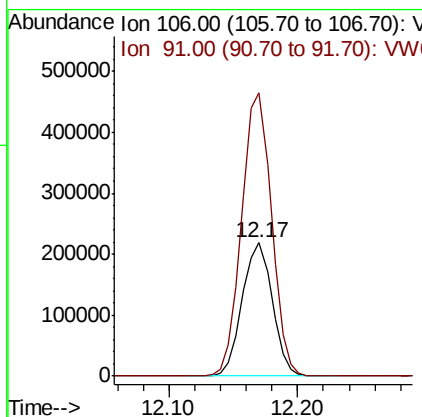
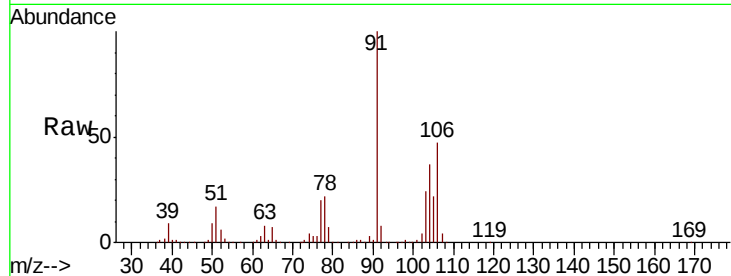




#55
o-xylene
Concen: 27.198 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

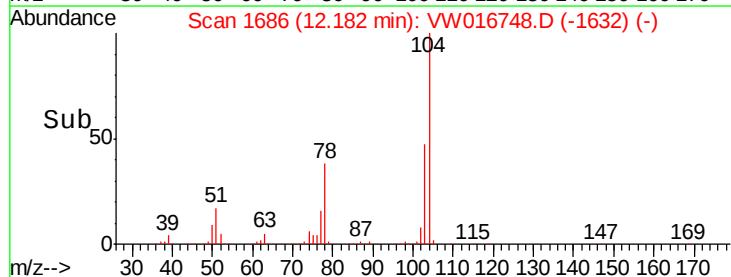
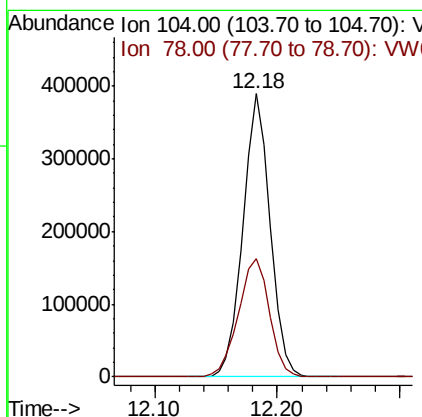
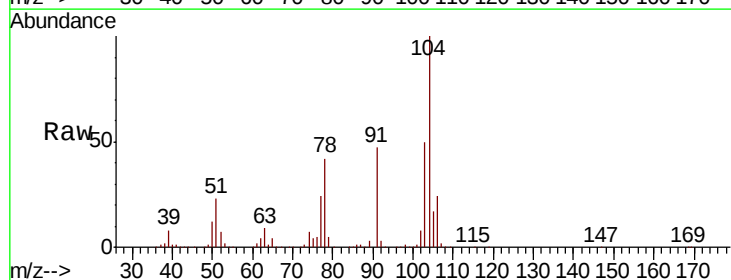
Instrument :
MSVOA_W
ClientSampleId :

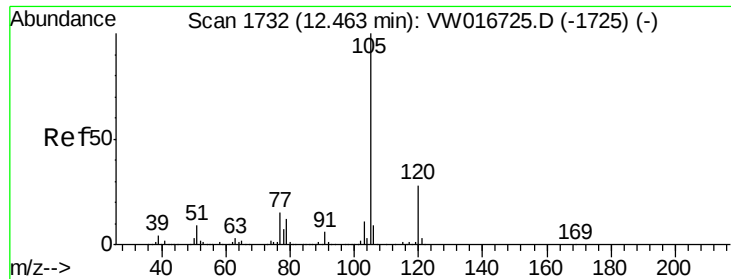
Tot Ion:106 Resp: 352823
Ion Ratio Lower Upper
106 100
91 212.5 144.8 268.8



#56
Styrene
Concen: 27.854 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016748.D
Acq: 01 Oct 2020 19:14

Tgt Ion:104 Resp: 600013
Ion Ratio Lower Upper
104 100
78 41.6 31.4 58.2





#57

Isopropylbenzene

Concen: 27.394 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

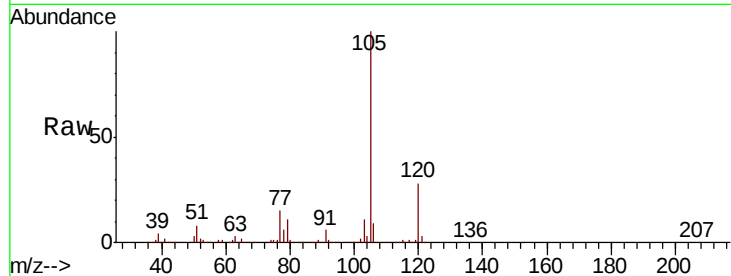
Tot Ion:105 Resp: 971034

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

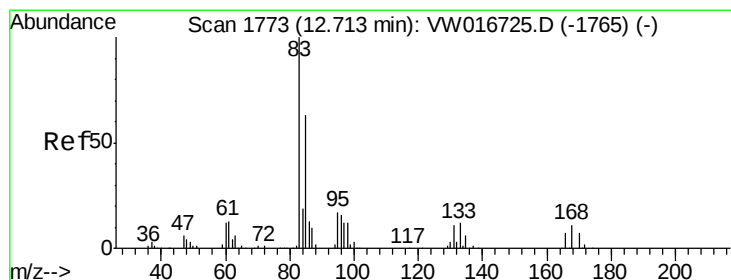
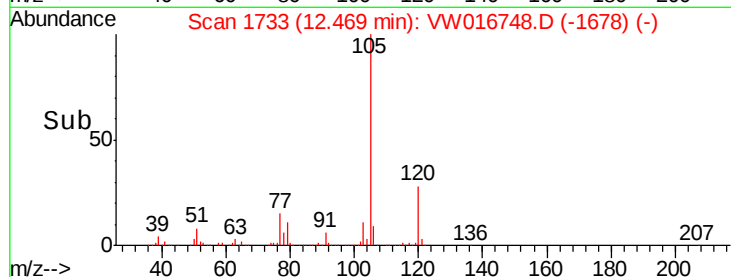
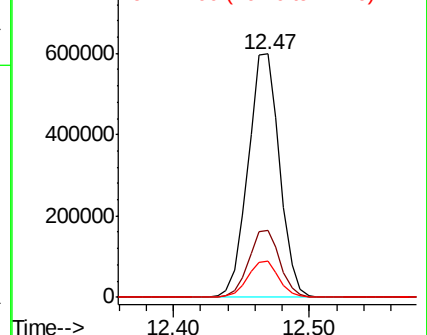
77 14.6 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.587 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

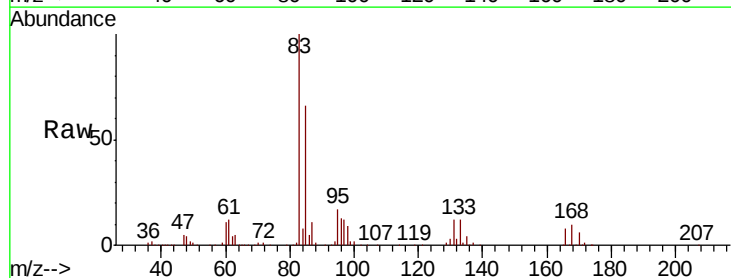
Tgt Ion: 83 Resp: 157798

Ion Ratio Lower Upper

83 100

85 66.2 46.0 85.4

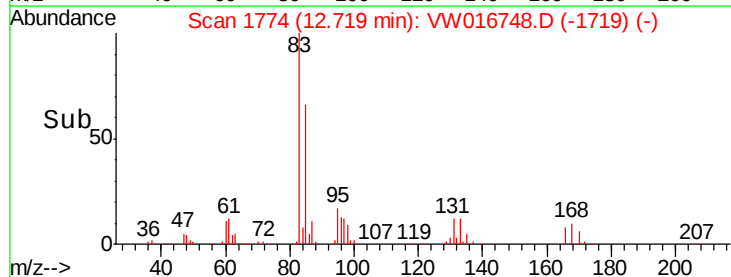
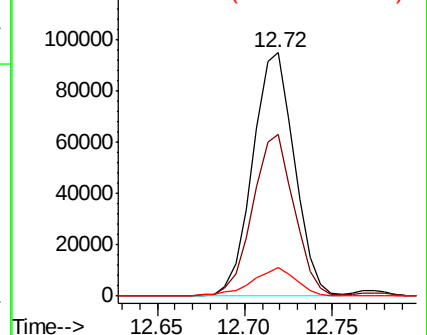
131 11.7 9.0 13.6

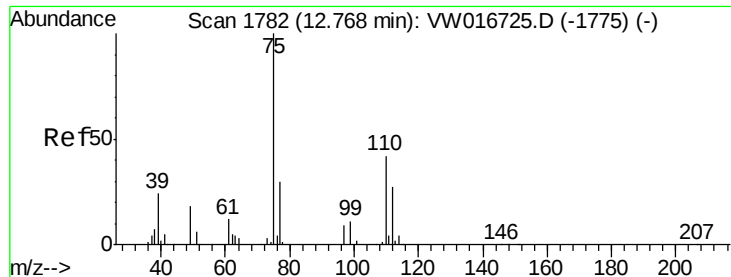


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

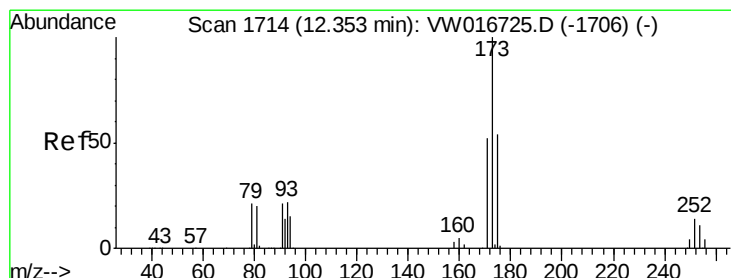
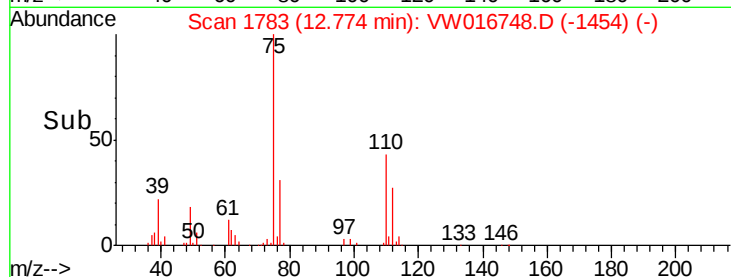
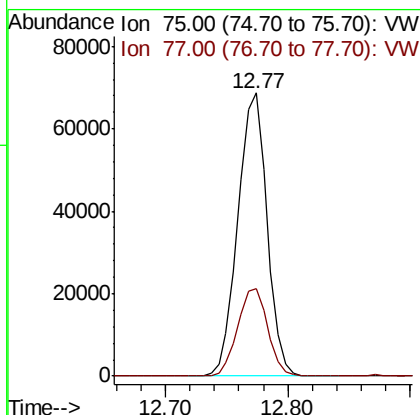
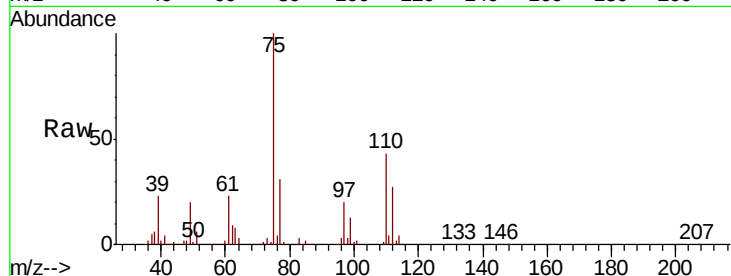




#59
 1,2,3-Trichloropropane
 Concen: 25.674 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

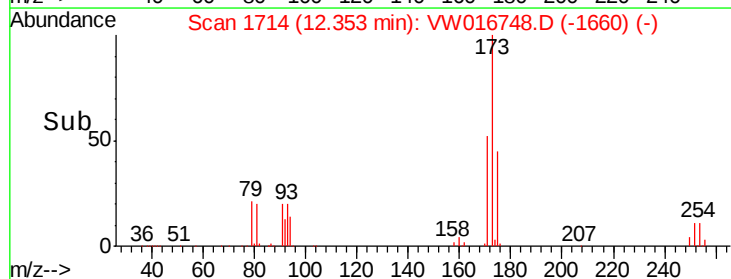
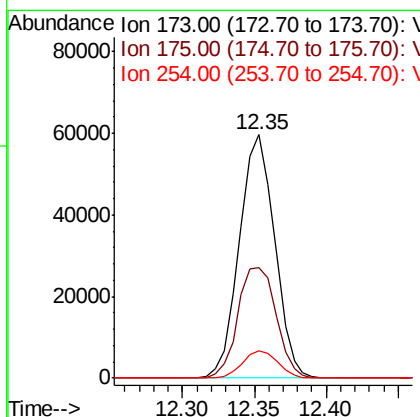
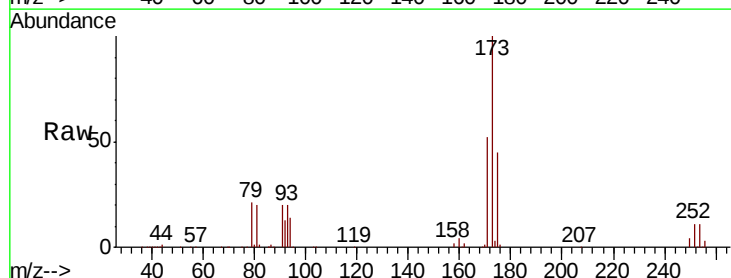
Instrument :
 MSVOA_W
 ClientSampleId :

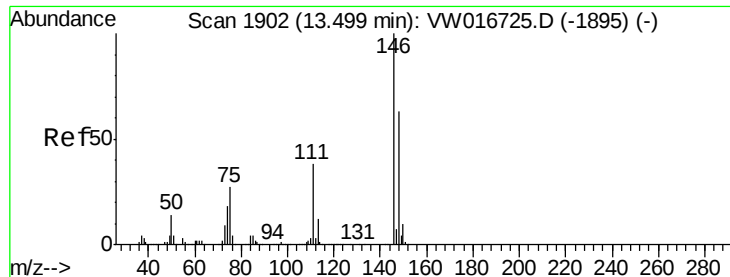
Tot Ion: 75 Resp: 113493
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4



#62
 Bromoform
 Concen: 22.765 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion: 173 Resp: 101430
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.6 57.8
 254 11.0 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 26.963 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

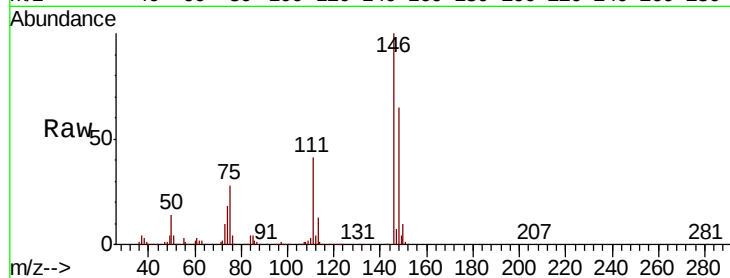
Tot Ion:146 Resp: 463282

Ion Ratio Lower Upper

146 100

111 40.6 25.0 46.4

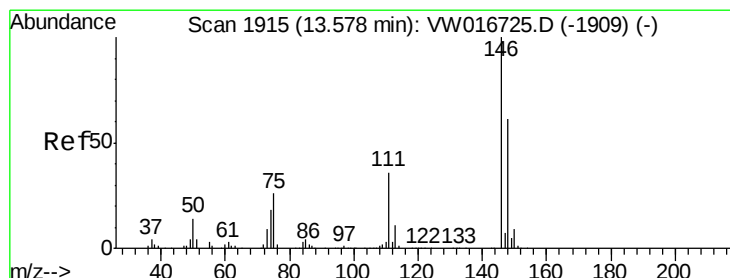
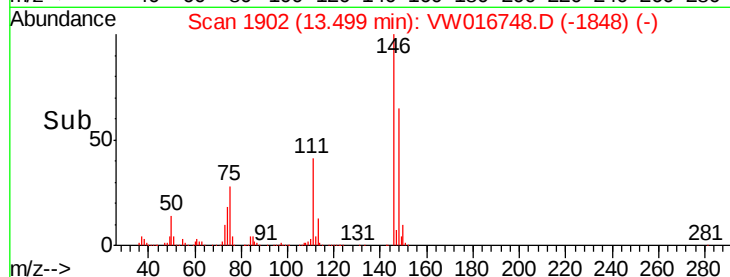
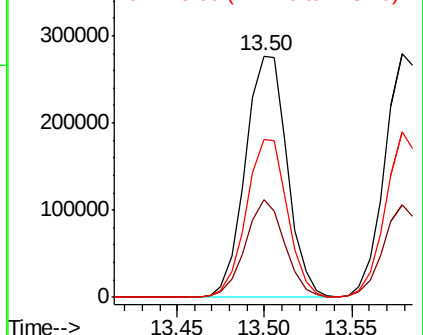
148 65.3 44.0 81.8



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: 26.738 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

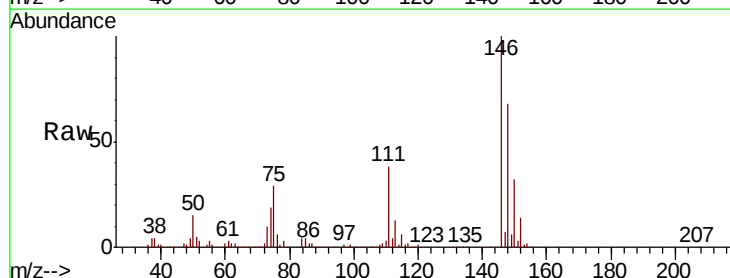
Tgt Ion:146 Resp: 449902

Ion Ratio Lower Upper

146 100

111 38.0 25.1 46.5

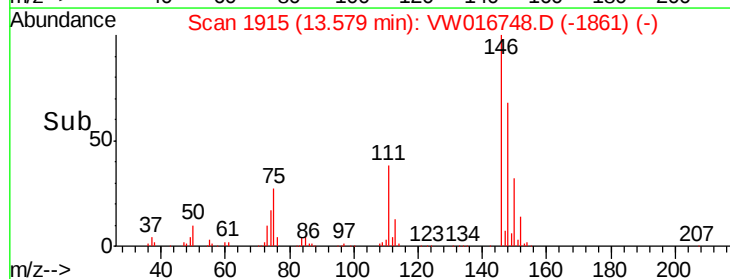
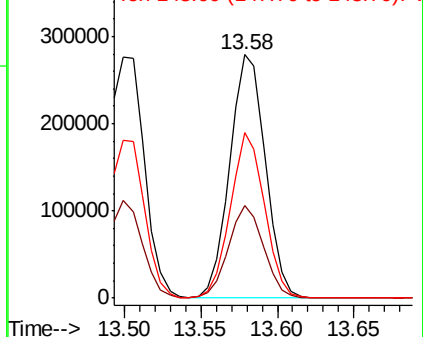
148 67.9 42.3 78.5

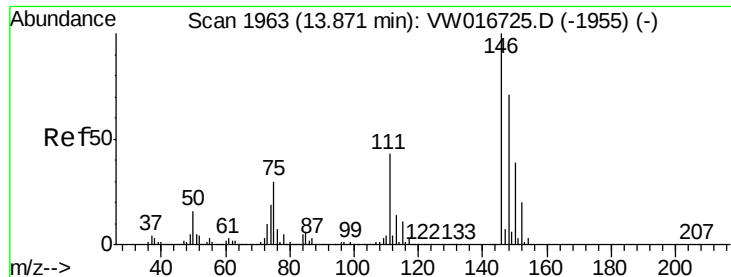


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.907 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

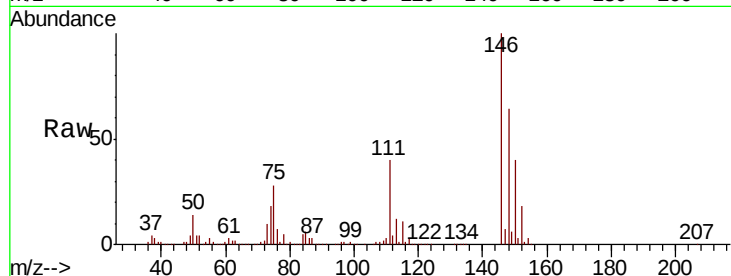
Tot Ion:146 Resp: 413091

Ion Ratio Lower Upper

146 100

111 39.5 31.4 47.0

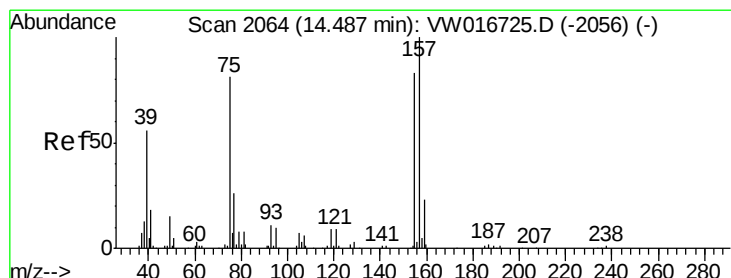
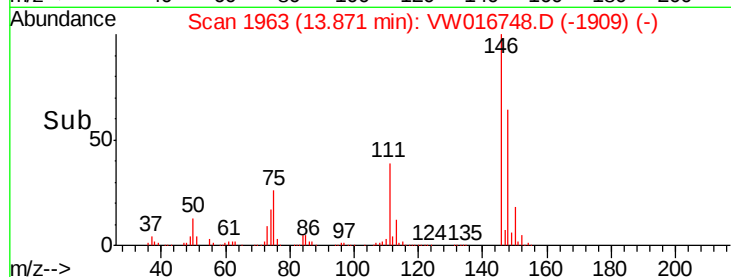
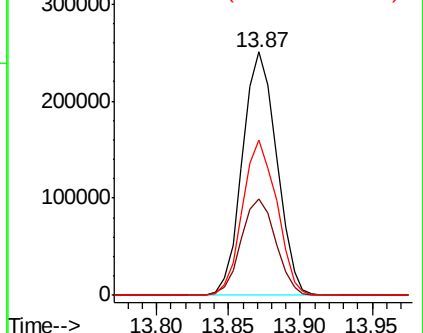
148 63.7 49.3 73.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 21.843 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

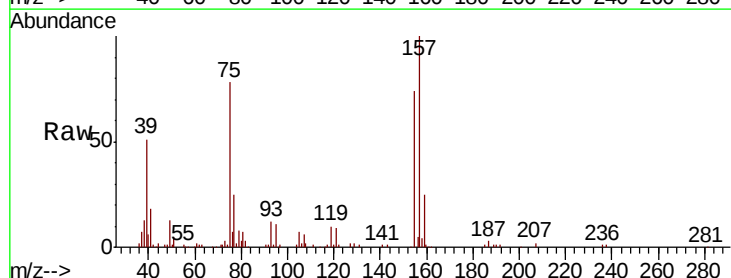
Tgt Ion: 75 Resp: 24038

Ion Ratio Lower Upper

75 100

157 128.1 92.2 138.4

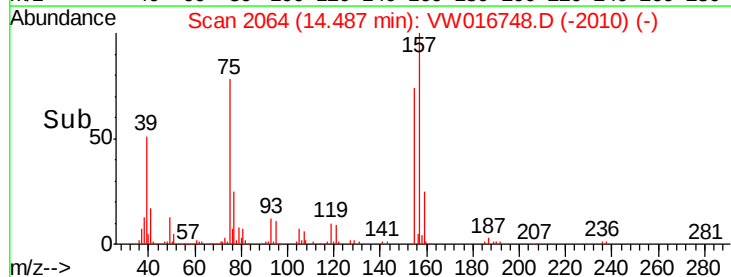
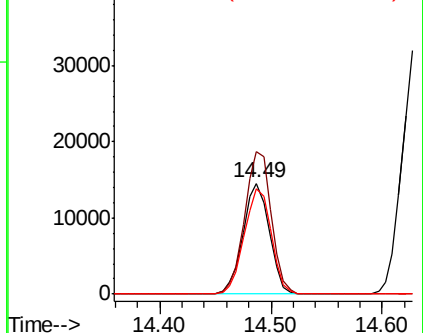
155 95.2 73.5 110.3

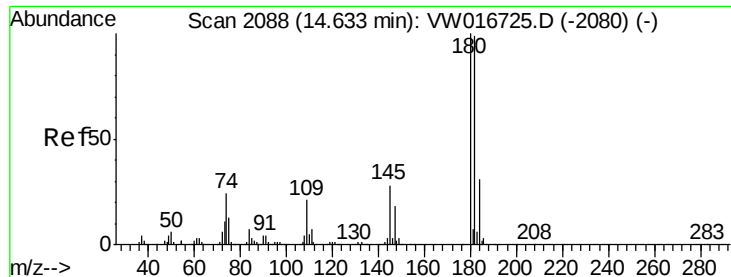


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

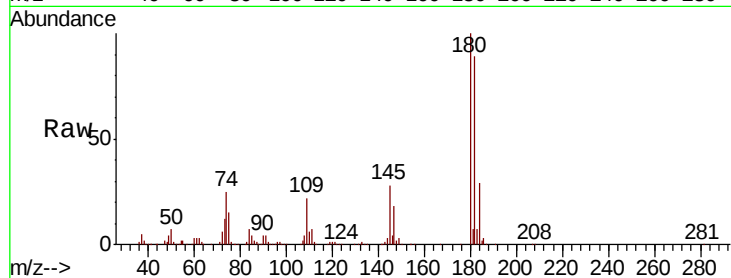




#67
 1,3,5-Trichlorobenzene
 Concen: 27.012 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	339428
Ion Ratio	Lower	Upper	
180	100		
182	97.3	73.8	110.8
184	31.3	23.7	35.5
145	29.0	22.8	34.2



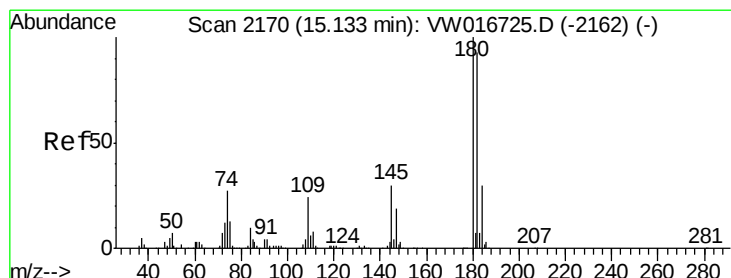
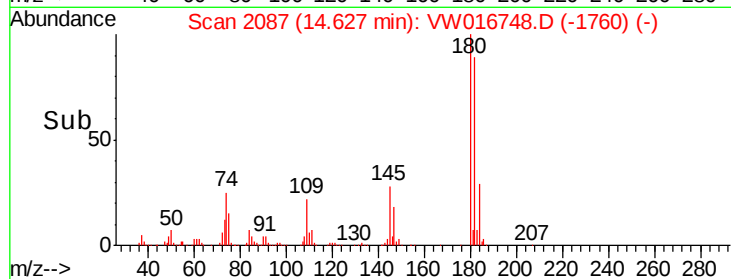
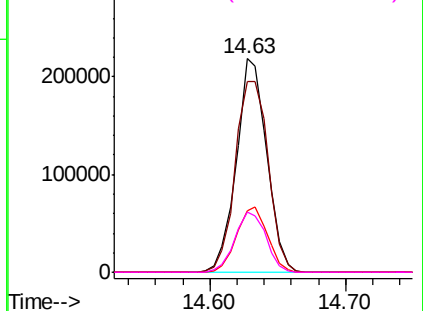
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

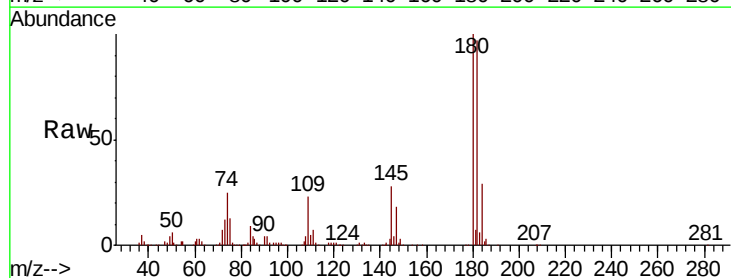
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.121 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016748.D
 Acq: 01 Oct 2020 19:14

Tgt Ion	180	Resp	296022
Ion Ratio	Lower	Upper	
180	100		
182	92.7	74.5	111.7
145	27.6	23.1	34.7

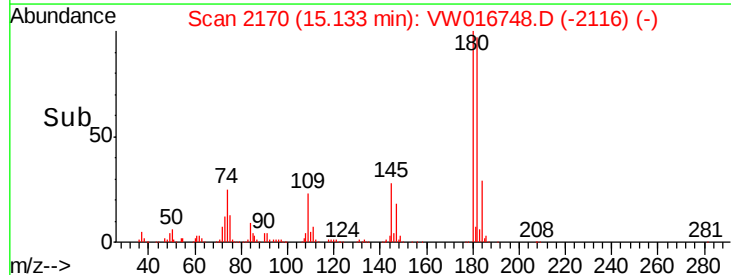
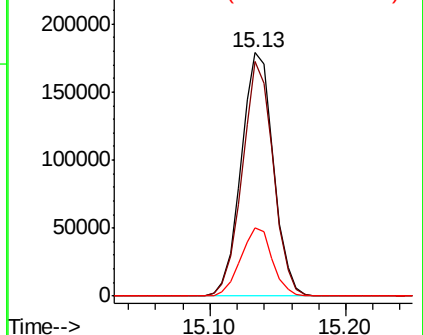


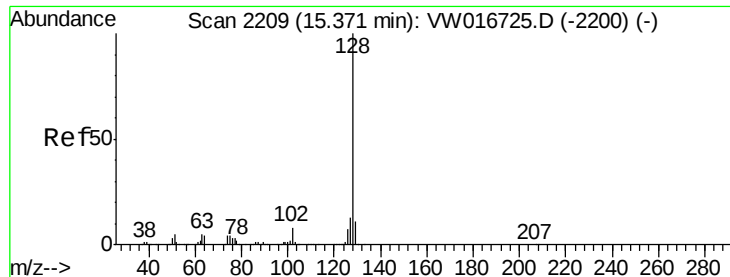
Abundance

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: 27.217 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

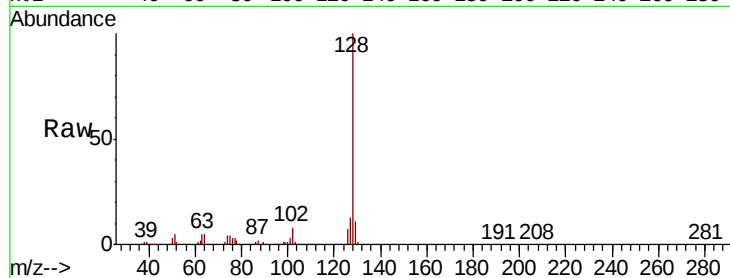
Tot Ion:128 Resp: 490454

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

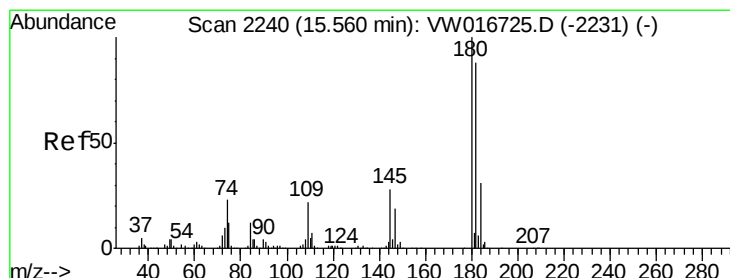
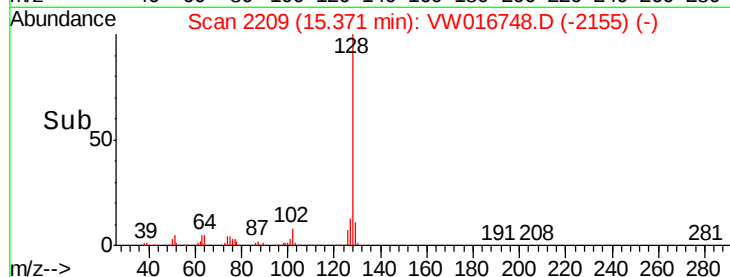
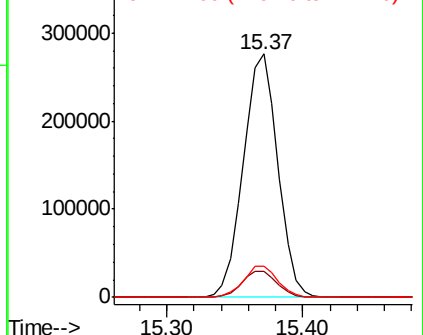
127 12.8 10.8 16.2



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: 28.152 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016748.D

Acq: 01 Oct 2020 19:14

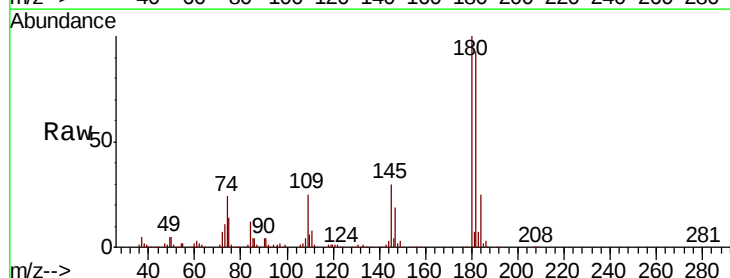
Tgt Ion:180 Resp: 246127

Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

145 31.0 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

