

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051820\
 Data File : VX016313.D
 Acq On : 18 May 2020 21:05
 Operator : JC/SP
 Sample : L2672-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

Quant Time: May 19 00:53:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	409018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	384018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	188620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	150193	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	5.47	113	124865	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	8.70	98	480090	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.12	95	186925	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	130938	50.573	ug/l	98
3) Chloromethane	1.31	50	131987	43.896	ug/l	98
4) Vinyl Chloride	1.39	62	170907	53.277	ug/l	100
5) Bromomethane	1.62	94	63865	39.490	ug/l	99
6) Chloroethane	1.70	64	97030	49.711	ug/l	98
7) Trichlorofluoromethane	1.91	101	206293	48.983	ug/l	99
8) Diethyl Ether	2.17	74	89778	50.594	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	118304	48.689	ug/l	99
10) Methyl Iodide	2.49	142	95845	29.366	ug/l	99
11) Tert butyl alcohol	3.02	59	197219	242.302	ug/l	99
12) 1,1-Dichloroethene	2.36	96	123838	48.703	ug/l	97
13) Acrolein	2.27	56	155131	304.575	ug/l	98
14) Allyl chloride	2.71	41	217672	46.689	ug/l	94
15) Acrylonitrile	3.12	53	436129	258.291	ug/l	99
16) Acetone	2.42	43	340765	237.272	ug/l	94
17) Carbon Disulfide	2.55	76	342474	44.829	ug/l	99
18) Methyl Acetate	2.75	43	182766	51.757	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	472027	53.851	ug/l	99
20) Methylene Chloride	2.84	84	146436	49.461	ug/l	93
21) trans-1,2-Dichloroethene	3.14	96	142081	50.143	ug/l	97
22) Diisopropyl ether	3.82	45	447351	50.862	ug/l	95
23) Vinyl Acetate	3.79	43	1889286	244.154	ug/l	97
24) 1,1-Dichloroethane	3.67	63	254987	51.825	ug/l	99
25) 2-Butanone	4.64	43	589248	254.616	ug/l	97
26) 2,2-Dichloropropane	4.55	77	199779	44.461	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	185409	59.853	ug/l	94
28) Bromochloromethane	4.98	49	110919	49.440	ug/l	94
29) Tetrahydrofuran	5.09	42	385658	251.500	ug/l	96
30) Chloroform	5.18	83	257383	52.540	ug/l	99
31) Cyclohexane	5.55	56	208088	46.537	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	229443	51.526	ug/l	98
36) 1,1-Dichloropropene	5.78	75	191059	47.454	ug/l	99
37) Ethyl Acetate	4.79	43	217325	46.571	ug/l	98
38) Carbon Tetrachloride	5.76	117	201488	49.235	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	197818	40.799	ug/l	99
40) Benzene	6.12	78	1646930	139.802	ug/l	100
41) Methacrylonitrile	5.01	41	123435	48.979	ug/l	98
42) 1,2-Dichloroethane	6.17	62	212047	49.967	ug/l	99
43) Isopropyl Acetate	6.42	43	353080	47.422	ug/l	97
44) Trichloroethene	7.19	130	175639	41.967	ug/l	99
45) 1,2-Dichloropropane	7.49	63	152994	51.325	ug/l	100
46) Dibromomethane	7.64	93	101161	49.938	ug/l	98
47) Bromodichloromethane	7.88	83	213416	51.729	ug/l	98
48) Methyl methacrylate	7.75	41	168835	47.855	ug/l	93
49) 1,4-Dioxane	7.71	88	74041	875.039	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1141480	250.531	ug/l	96
52) Toluene	8.77	92	387795	52.812	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	246351	50.081	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	256176	49.859	ug/l	94
55) 1,1,2-Trichloroethane	9.20	97	156016	54.004	ug/l	98
56) Ethyl methacrylate	9.16	69	253116	53.675	ug/l	92
57) 1,3-Dichloropropane	9.35	76	262128	51.999	ug/l	99
59) 2-Hexanone	9.48	43	887874	248.140	ug/l	96
60) Dibromochloromethane	9.57	129	176130	55.355	ug/l	100
61) 1,2-Dibromoethane	9.65	107	163781	52.338	ug/l	99
64) Tetrachloroethene	9.32	164	190969	40.508	ug/l	98
65) Chlorobenzene	10.13	112	7526750	936.058	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.21	131	154435	51.963	ug/l	98
67) Ethyl Benzene	10.24	91	723939	50.459	ug/l	99
68) m/p-Xylenes	10.34	106	541572	100.752	ug/l	99
69) o-Xylene	10.68	106	264571	51.205	ug/l	100
70) Styrene	10.70	104	458392	52.294	ug/l	99
71) Bromoform	10.84	173	136101	56.208	ug/l #	100
73) Isopropylbenzene	11.00	105	707303	51.556	ug/l	99
74) N-amyl acetate	10.88	43	303869	47.485	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	201347	71.017	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	293196	68.500	ug/l	84
77) Bromobenzene	11.24	156	177766	50.200	ug/l	99
78) n-propylbenzene	11.35	91	771889	48.364	ug/l	99
79) 2-Chlorotoluene	11.40	91	470126	49.903	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	556717	48.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	88692	49.381	ug/l	95
82) 4-Chlorotoluene	11.49	91	550480	49.482	ug/l	100
83) tert-Butylbenzene	11.76	119	514107	51.500	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	576520	49.230	ug/l	99
85) sec-Butylbenzene	11.93	105	593129	44.006	ug/l	96
86) p-Isopropyltoluene	12.05	119	532192	42.528	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	539795	84.897	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	830332	128.665	ug/l	99
89) n-Butylbenzene	12.37	91	435604	38.103	ug/l	100
90) Hexachloroethane	12.58	117	94224	43.842	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	2344982	383.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57302	50.796	ug/l	95
93) 1,2,4-Trichlorobenzene	13.63	180	194140	42.830	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

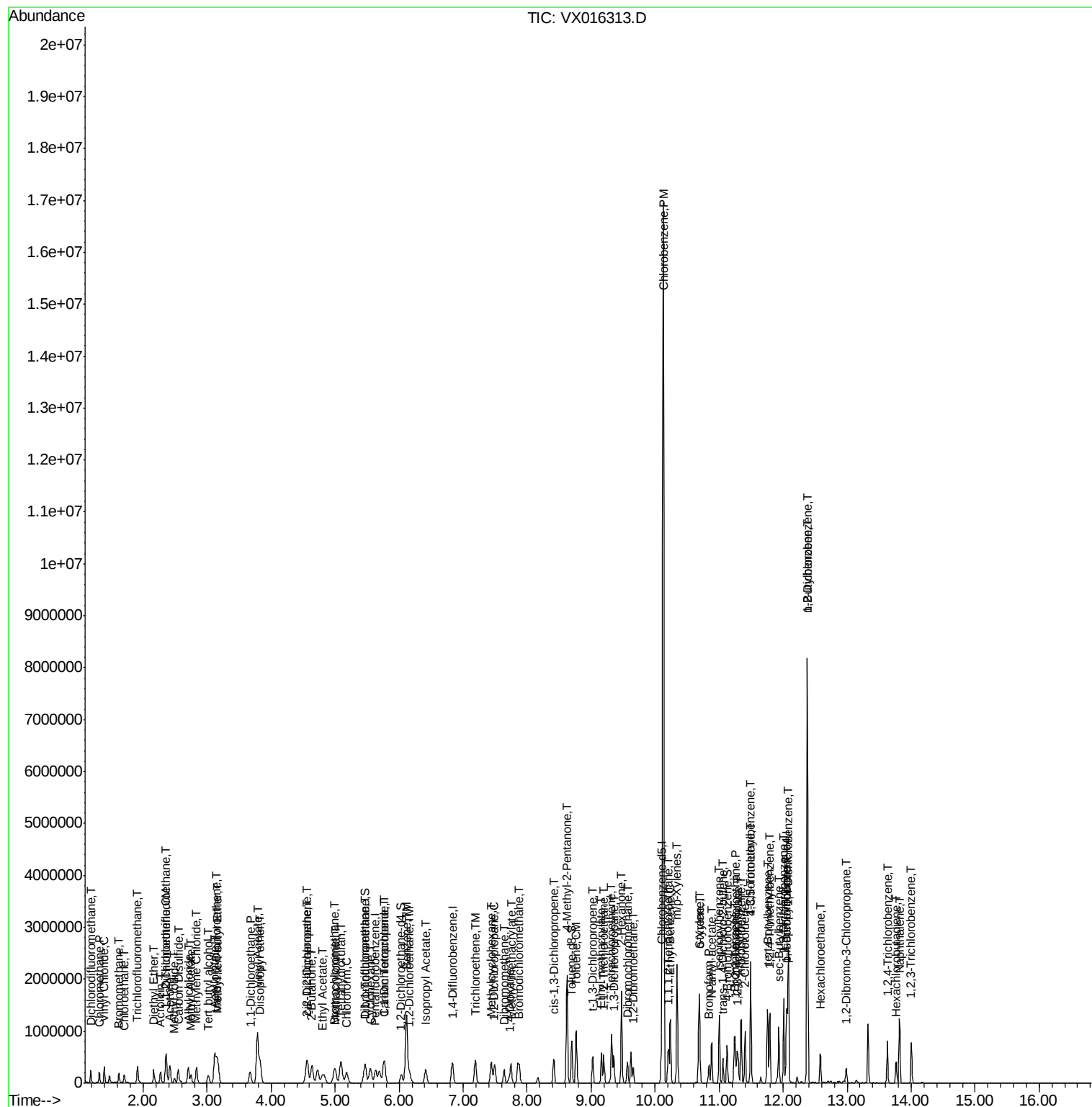
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	65017	33.486	ug/l	100
95) Naphthalene	13.82	128	765696	52.170	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	194065	43.808	ug/l	99

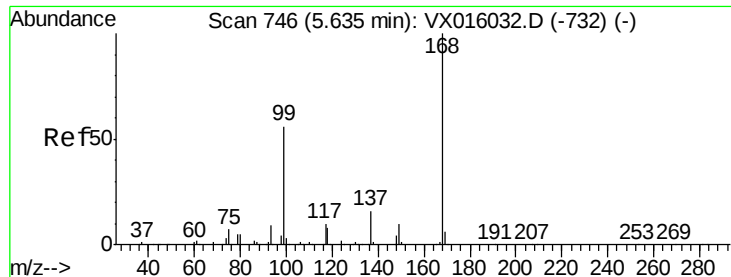
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX016313.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

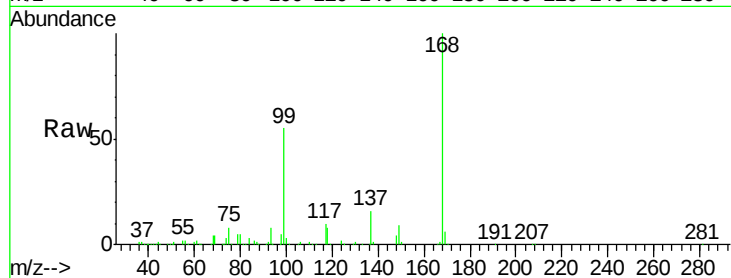
WP021MW173-200514MSD

Tot Ion:168 Resp: 244605

Ion Ratio Lower Upper

168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

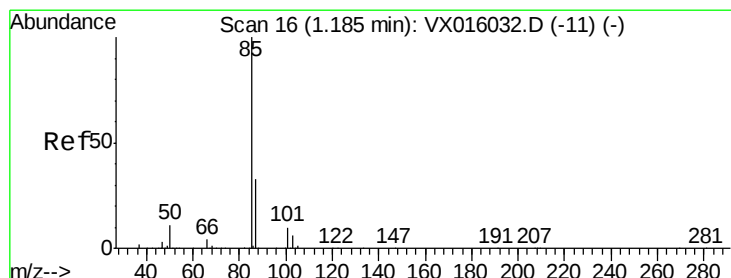
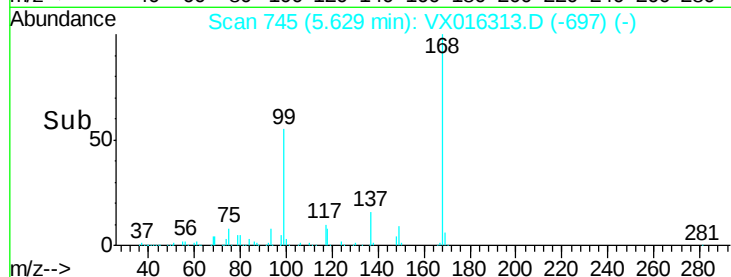
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.573 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016313.D

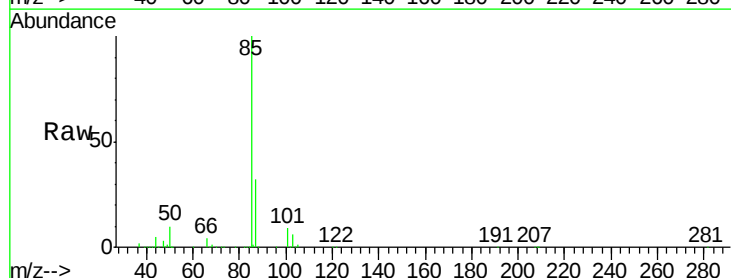
Acq: 18 May 2020 21:05

Tgt Ion: 85 Resp: 130938

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

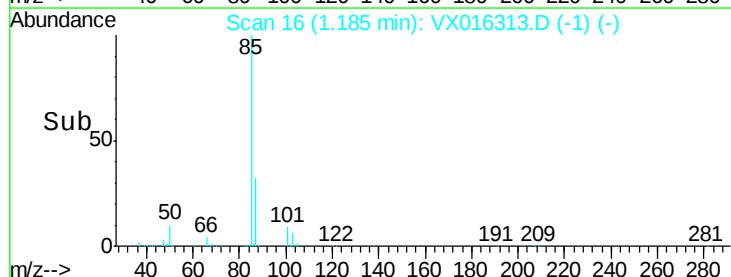
100000

50000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.896 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

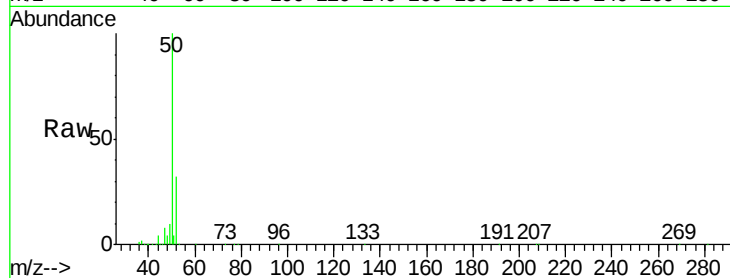
WP021MW173-200514MSD

Tot Ion: 50 Resp: 131987

Ion Ratio Lower Upper

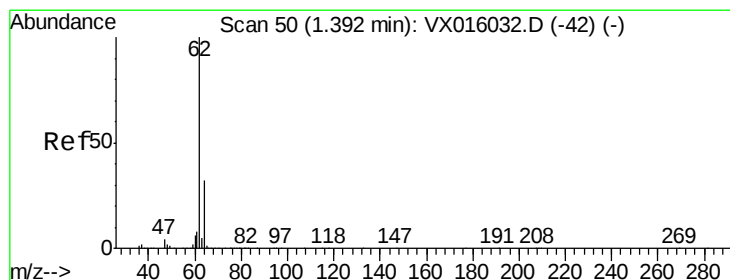
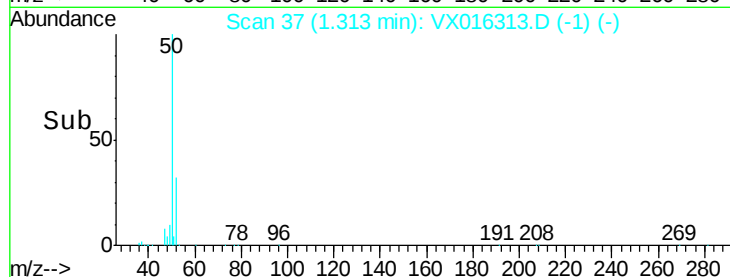
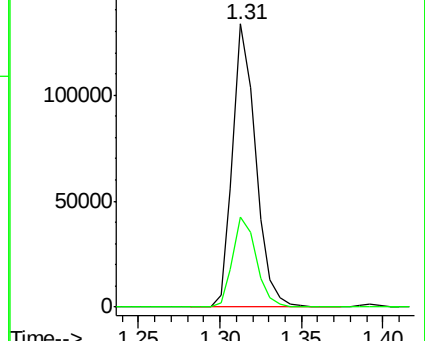
50 100

52 31.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.277 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016313.D

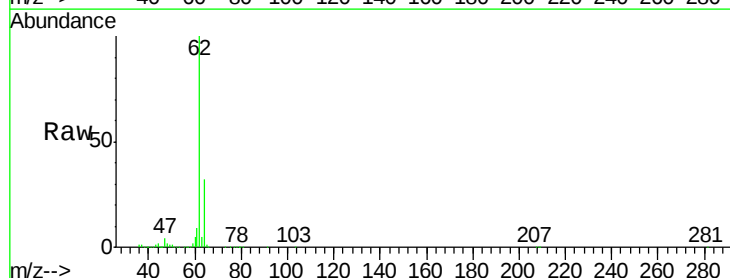
Acq: 18 May 2020 21:05

Tgt Ion: 62 Resp: 170907

Ion Ratio Lower Upper

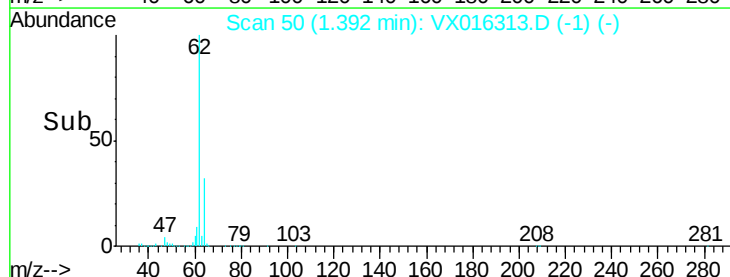
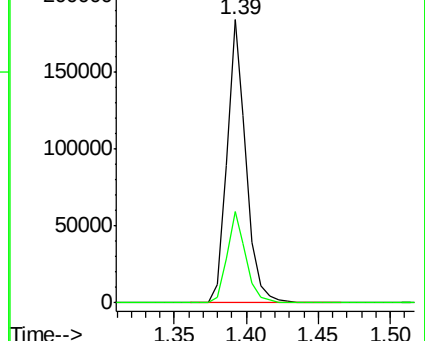
62 100

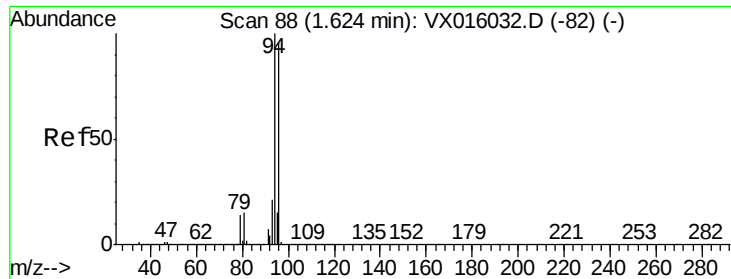
64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.490 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

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ClientSampleId :

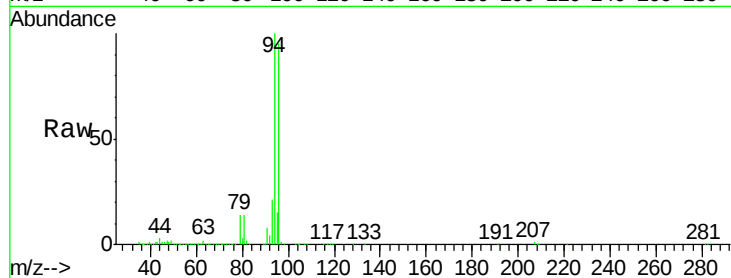
WP021MW173-200514MSD

Tot Ion: 94 Resp: 63865

Ion Ratio Lower Upper

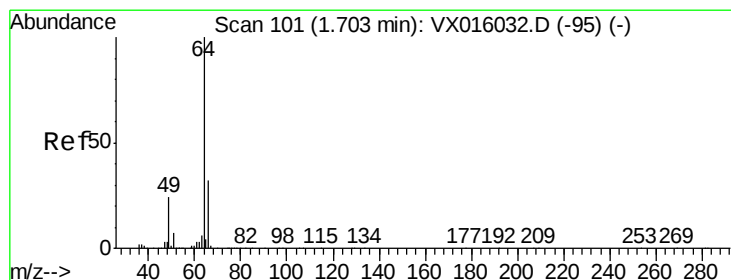
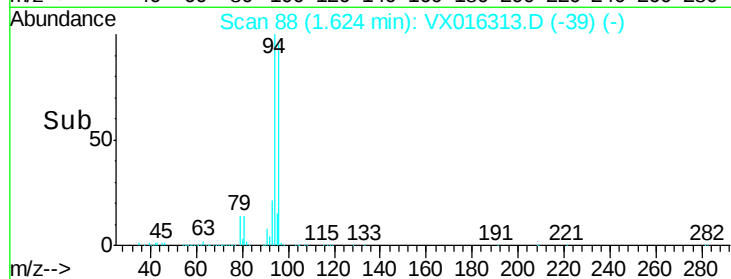
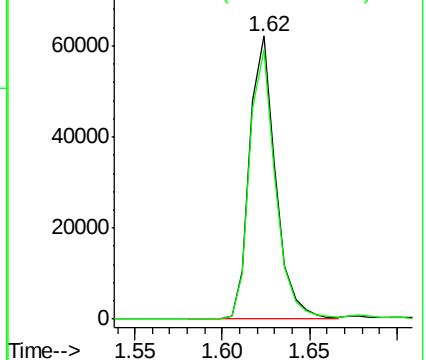
94 100

96 95.1 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.711 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016313.D

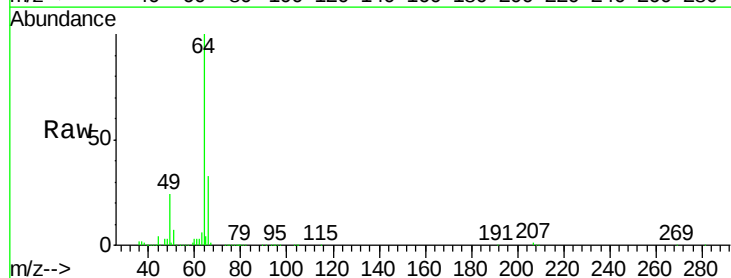
Acq: 18 May 2020 21:05

Tgt Ion: 64 Resp: 97030

Ion Ratio Lower Upper

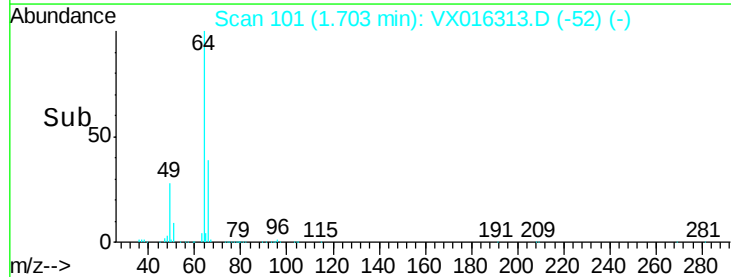
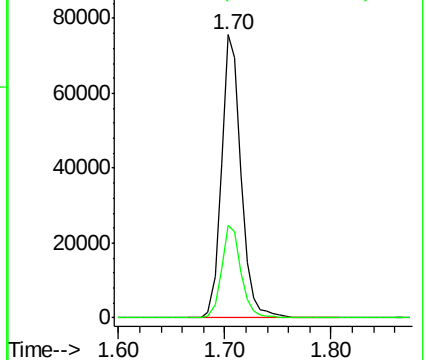
64 100

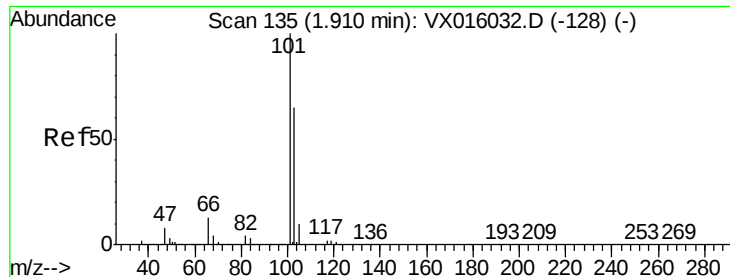
66 32.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



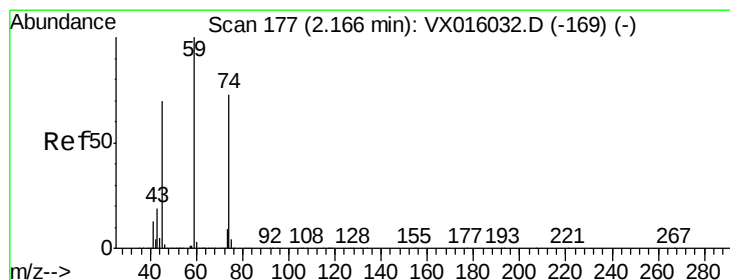
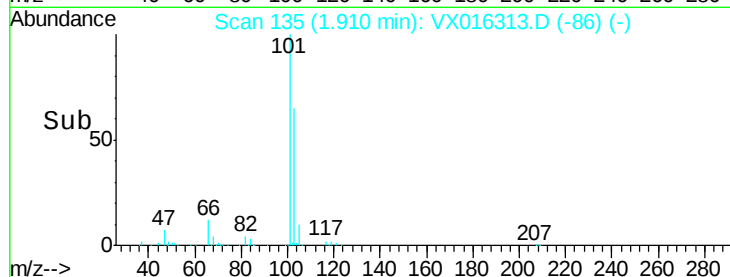
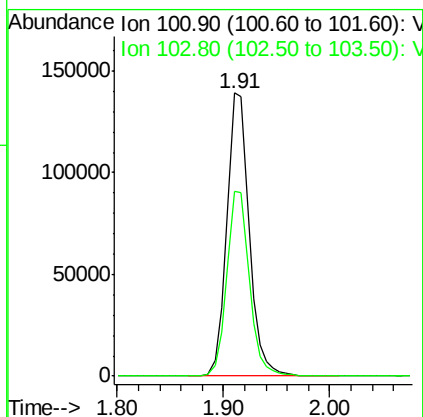
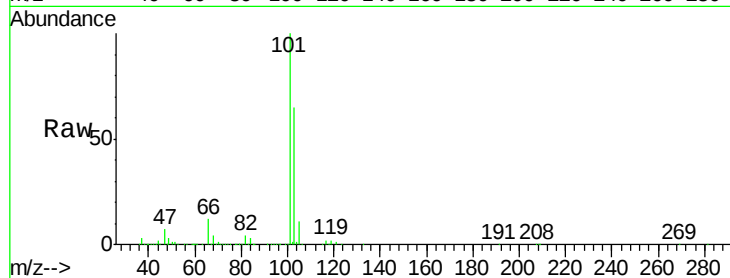


#7

Trichlorofluoromethane
 Concen: 48.983 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Instrument :
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 WP021MW173-200514MSD

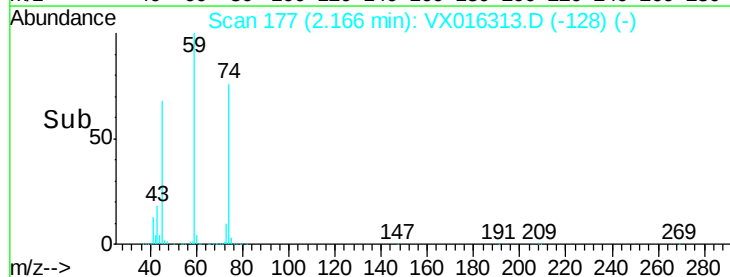
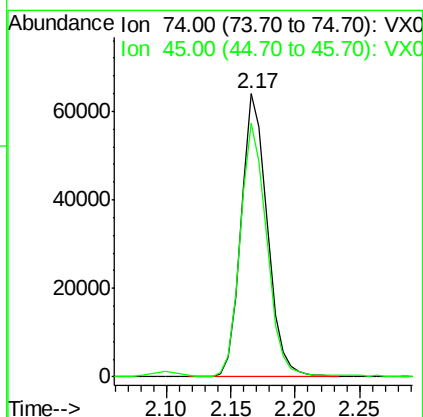
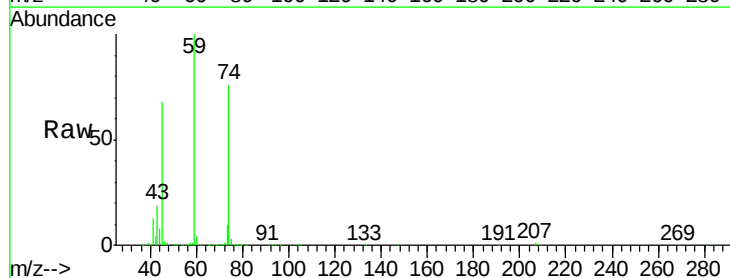
Tot Ion:101 Resp: 206293
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.6

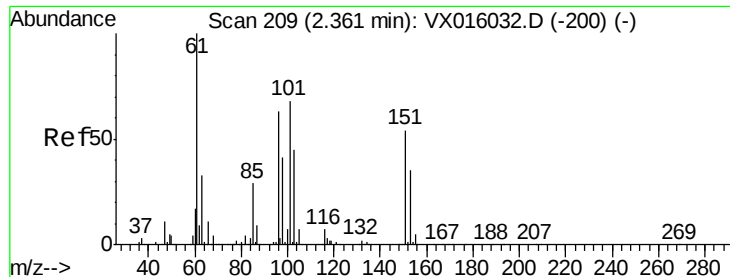


#8

Diethyl Ether
 Concen: 50.594 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion: 74 Resp: 89778
 Ion Ratio Lower Upper
 74 100
 45 89.9 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.689 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

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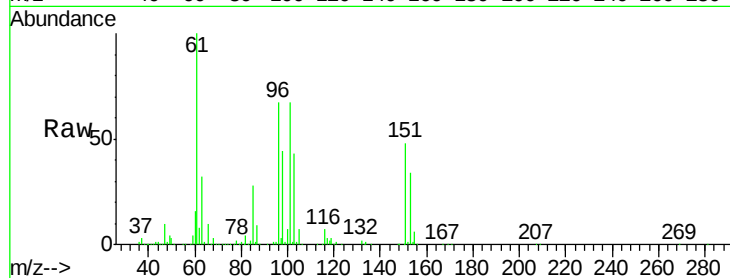
Tot Ion:101 Resp: 118304

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.4

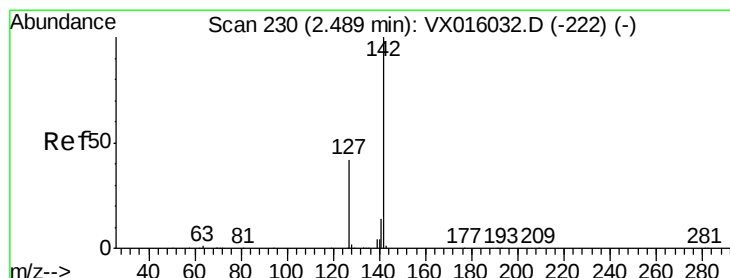
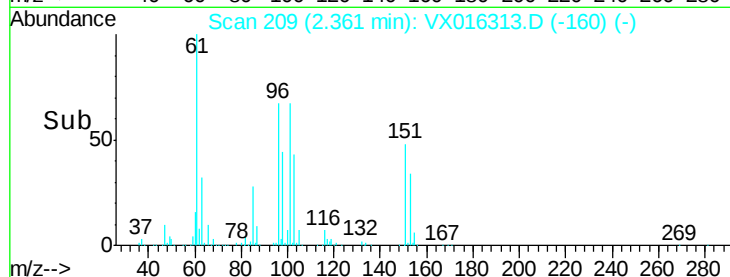
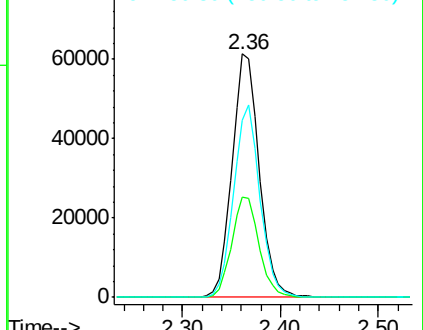
151 76.8 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 29.366 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

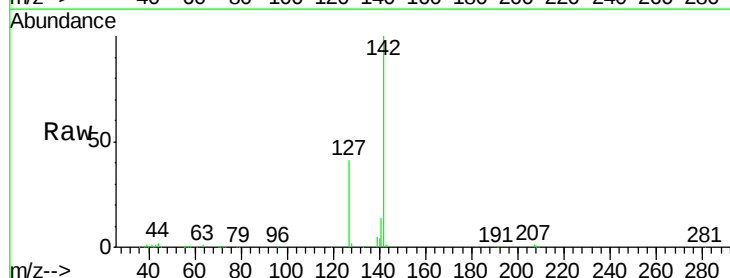
Tgt Ion:142 Resp: 95845

Ion Ratio Lower Upper

142 100

127 42.4 34.6 52.0

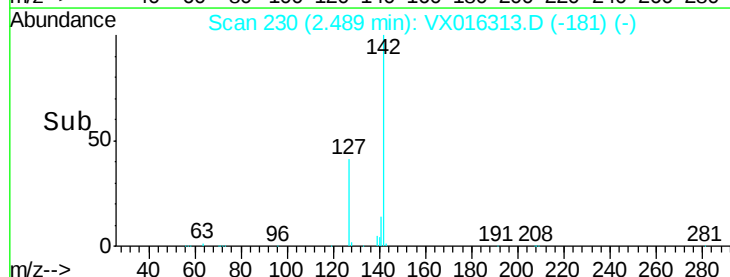
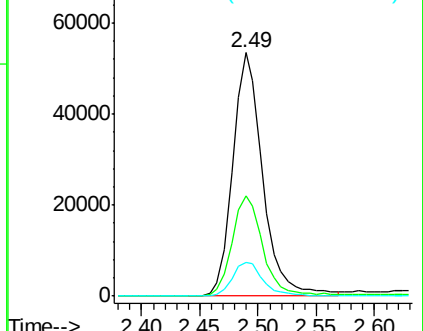
141 14.6 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



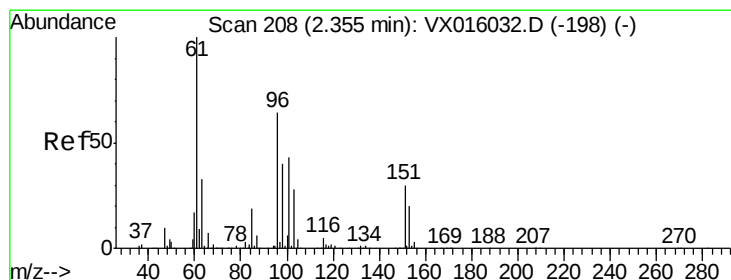
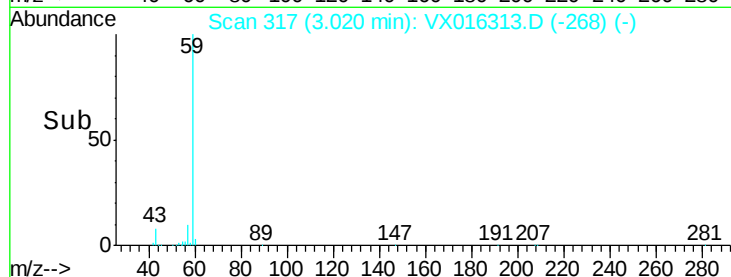
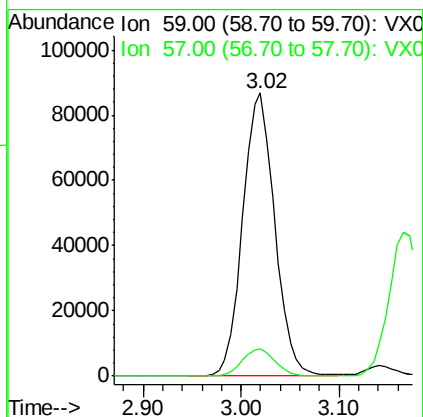
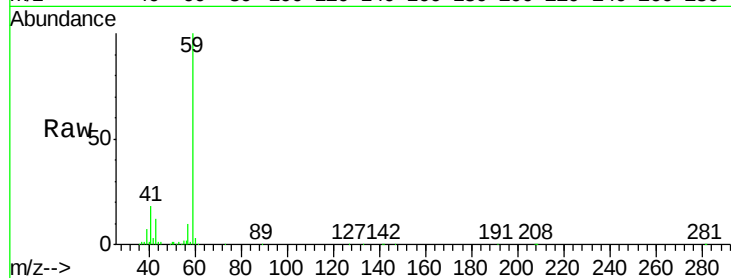


#11

Tert butyl alcohol
 Concen: 242.302 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

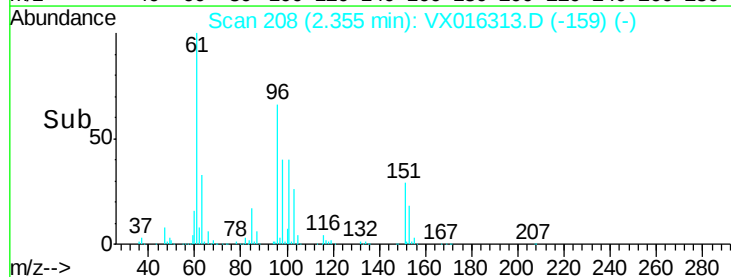
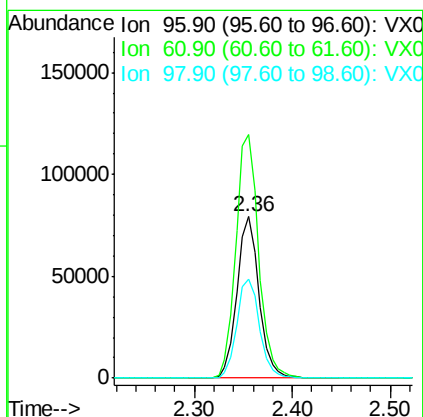
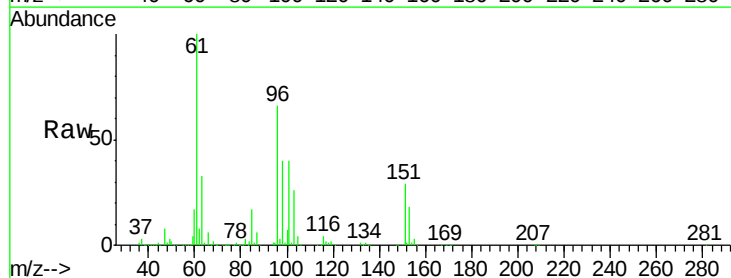
Tot Ion: 59 Resp: 197219
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

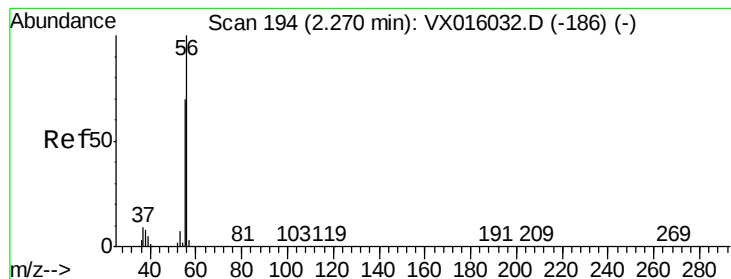


#12

1,1-Dichloroethene
 Concen: 48.703 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion: 96 Resp: 123838
 Ion Ratio Lower Upper
 96 100
 61 150.9 124.8 187.2
 98 61.0 49.7 74.5





#13

Acrolein

Concen: 304.575 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

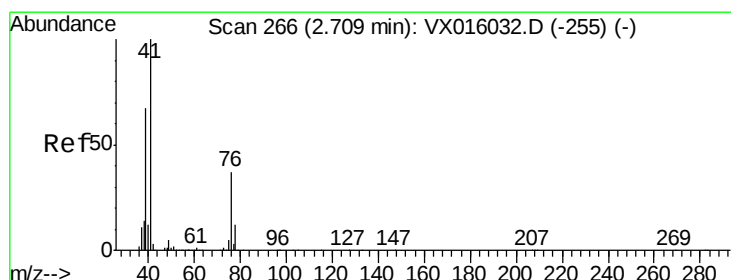
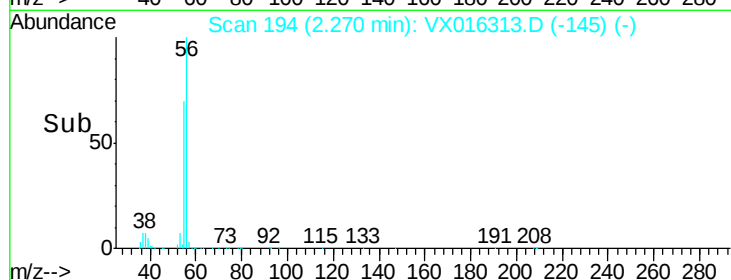
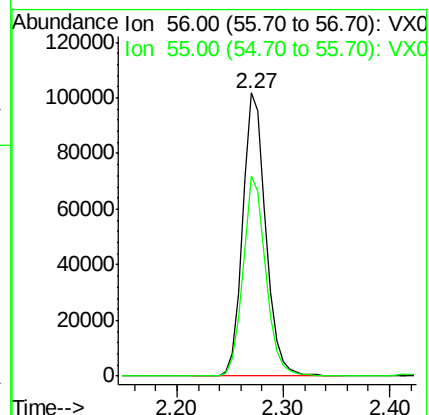
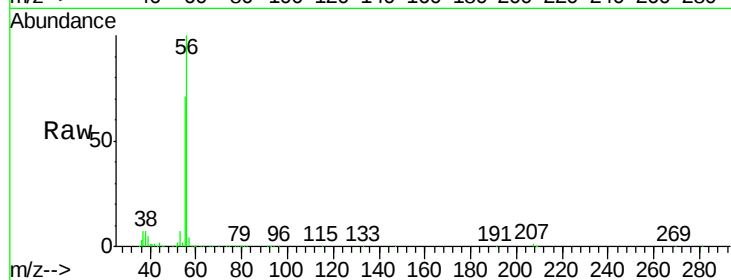
WP021MW173-200514MSD

Tot Ion: 56 Resp: 155131

Ion Ratio Lower Upper

56 100

55 69.3 56.5 84.7



#14

Allyl chloride

Concen: 46.689 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

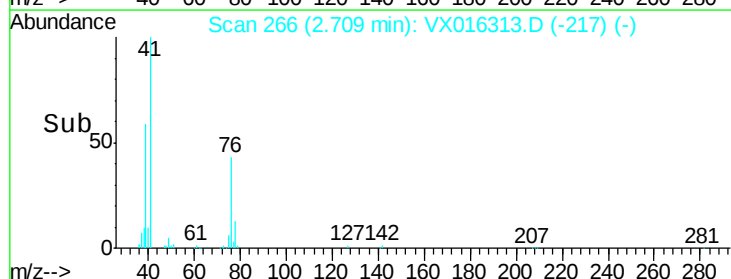
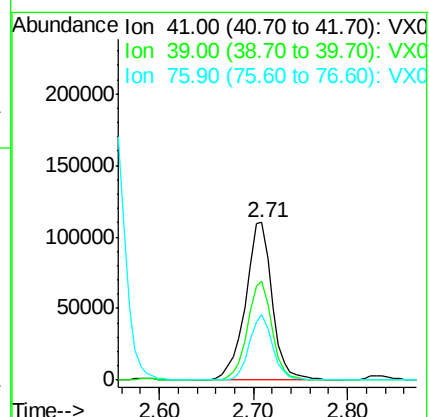
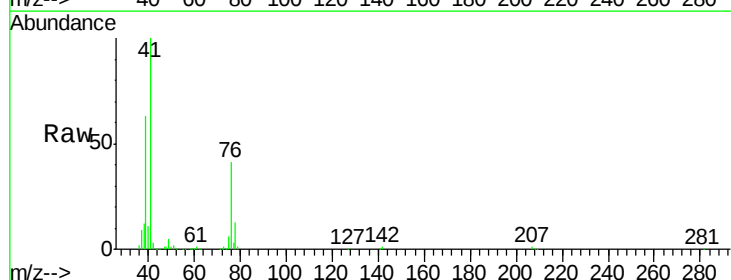
Tgt Ion: 41 Resp: 217672

Ion Ratio Lower Upper

41 100

39 57.7 50.5 75.7

76 36.2 26.6 40.0





#15

Acrylonitrile

Concen: 258.291 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

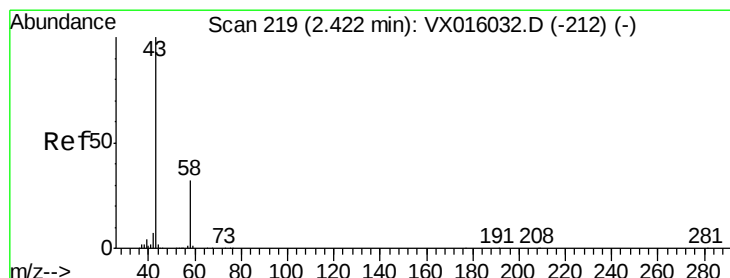
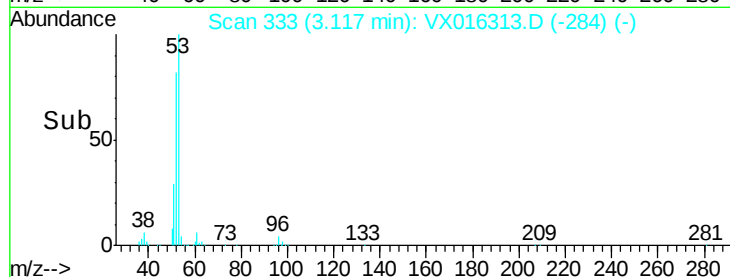
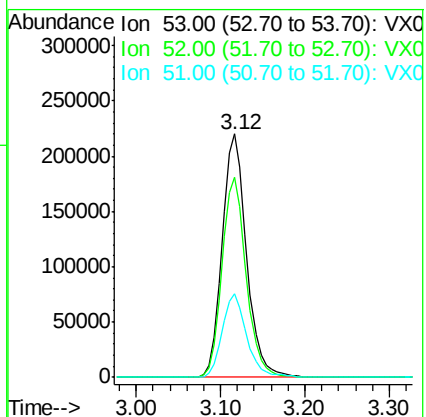
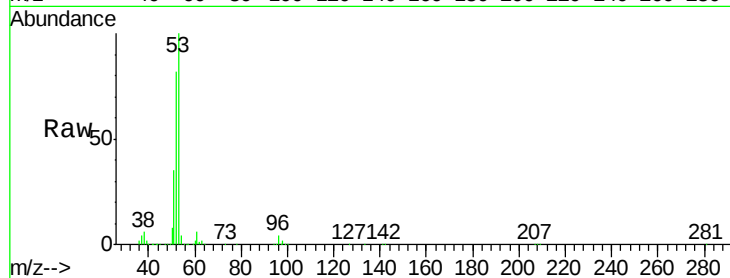
Tot Ion: 53 Resp: 436129

Ion Ratio Lower Upper

53 100

52 81.9 66.1 99.1

51 35.0 28.8 43.2



#16

Acetone

Concen: 237.272 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016313.D

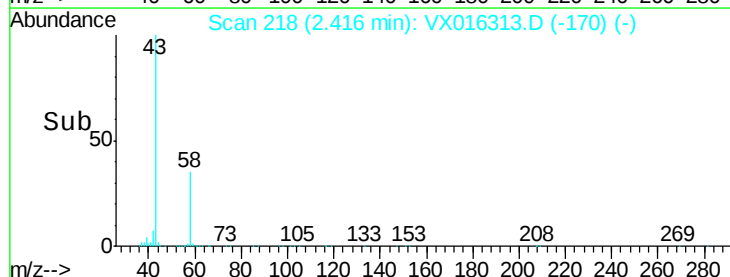
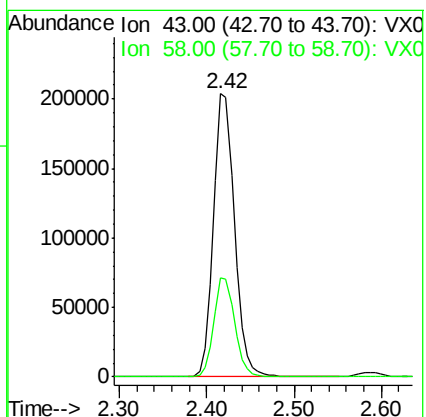
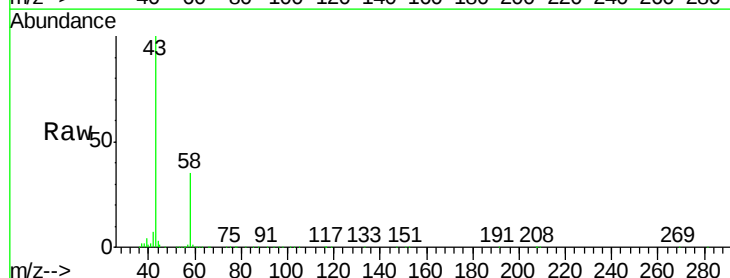
Acq: 18 May 2020 21:05

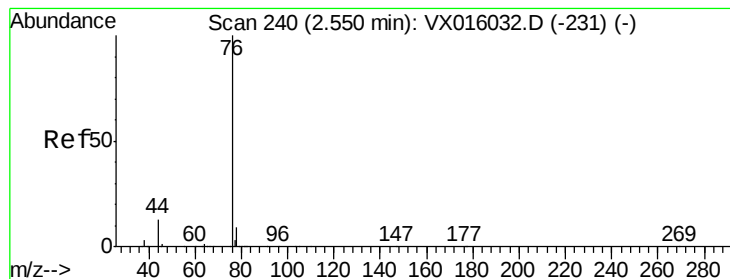
Tgt Ion: 43 Resp: 340765

Ion Ratio Lower Upper

43 100

58 35.0 25.4 38.0





#17

Carbon Disulfide

Concen: 44.829 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

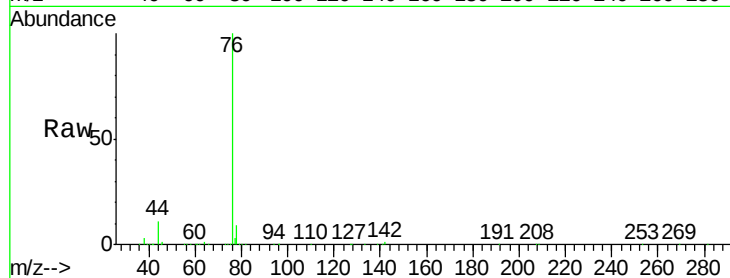
WP021MW173-200514MSD

Tot Ion: 76 Resp: 342474

Ion Ratio Lower Upper

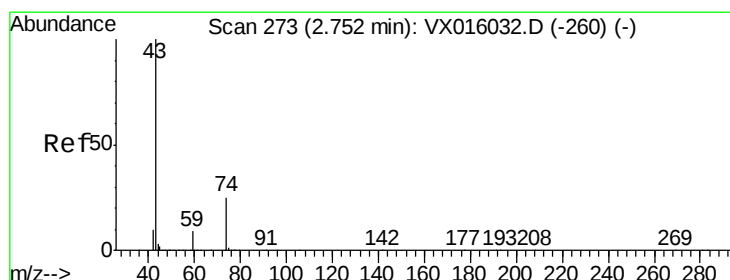
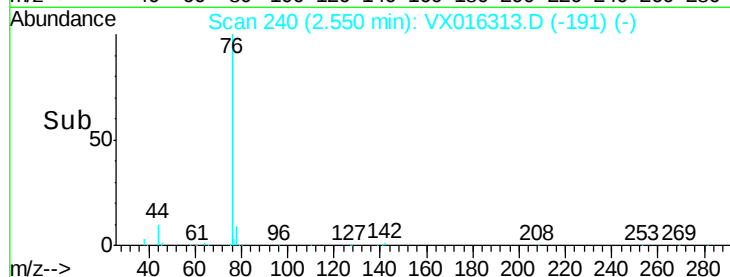
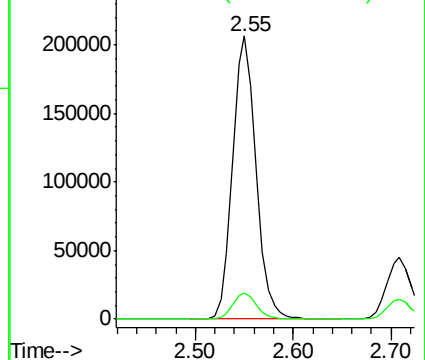
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.757 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016313.D

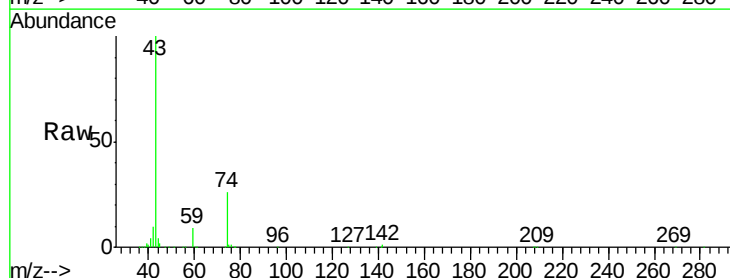
Acq: 18 May 2020 21:05

Tgt Ion: 43 Resp: 182766

Ion Ratio Lower Upper

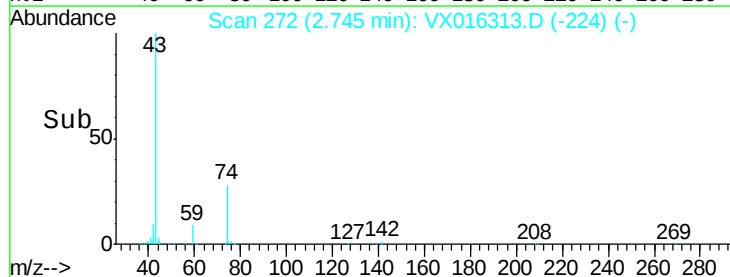
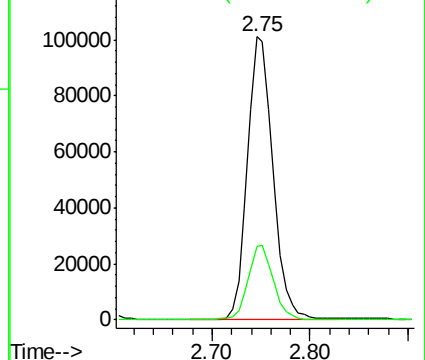
43 100

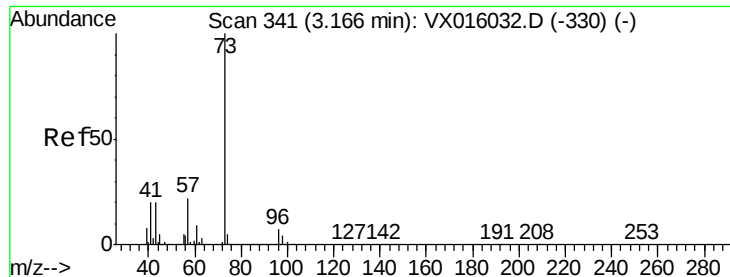
74 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

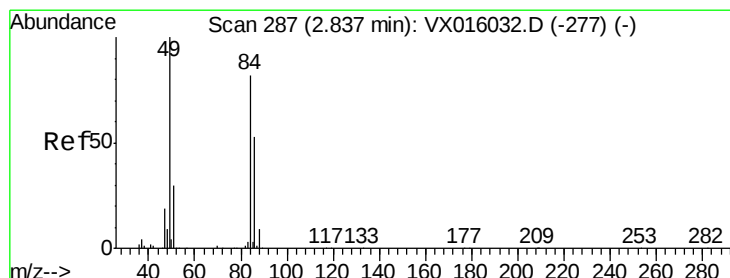
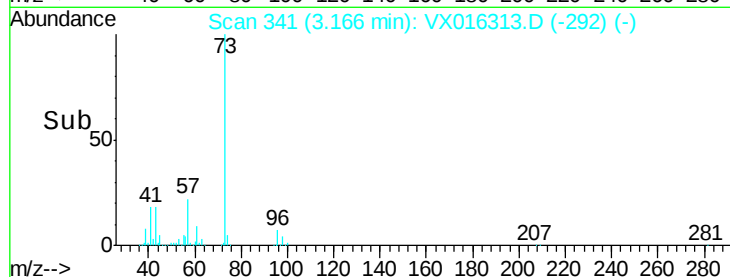
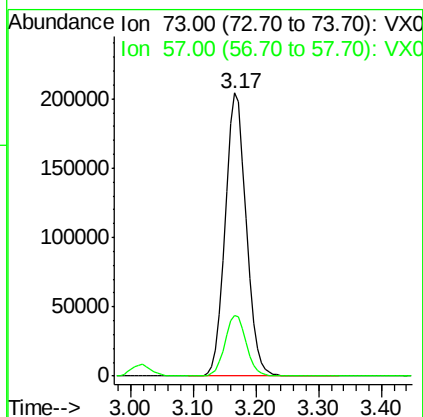
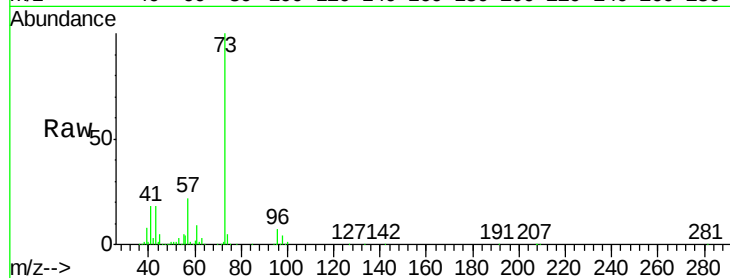




#19
Methyl tert-butyl Ether
Concen: 53.851 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

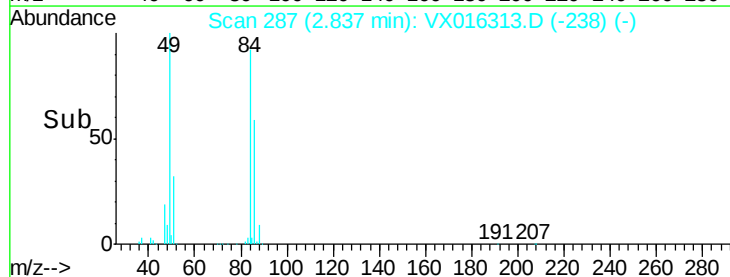
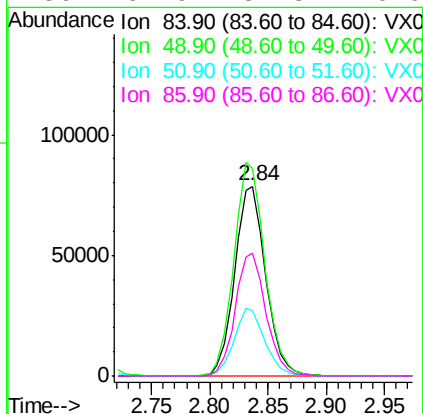
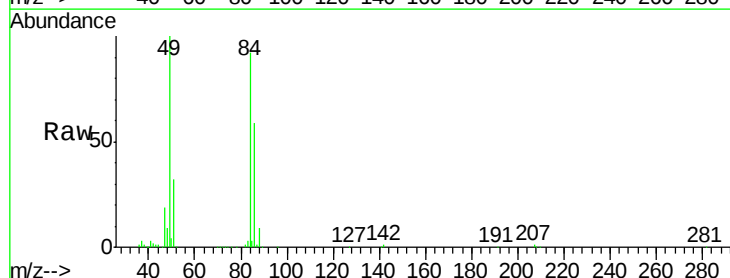
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514MSD

Tot Ion: 73 Resp: 472027
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.6



#20
Methylene Chloride
Concen: 49.461 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

Tgt Ion: 84 Resp: 146436
Ion Ratio Lower Upper
84 100
49 109.3 97.3 145.9
51 34.7 29.3 43.9
86 64.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.143 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

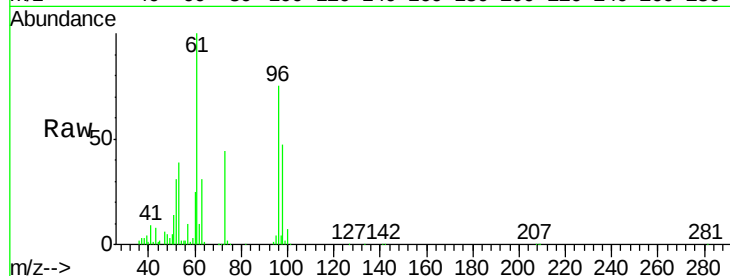
Tot Ion: 96 Resp: 142081

Ion Ratio Lower Upper

96 100

61 133.4 111.2 166.8

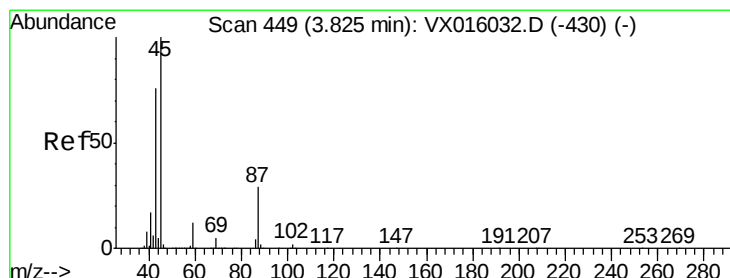
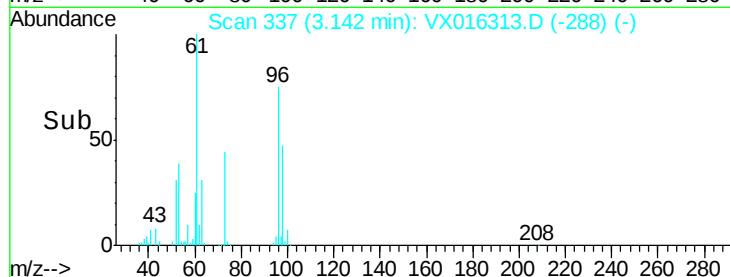
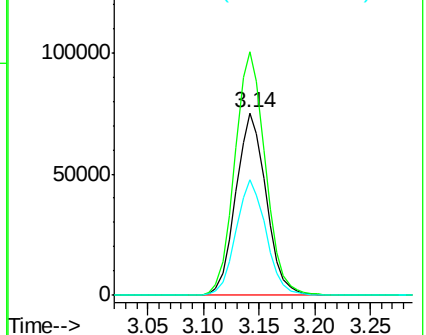
98 63.1 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.862 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Tgt Ion: 45 Resp: 447351

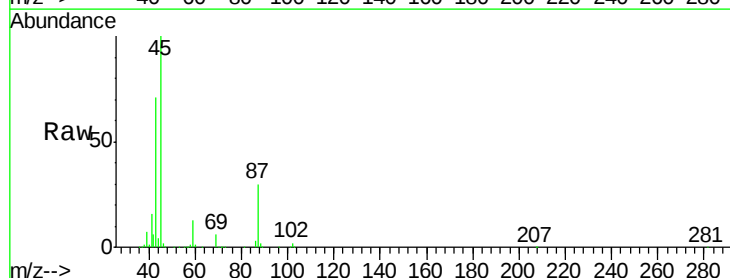
Ion Ratio Lower Upper

45 100

43 70.5 61.1 91.7

87 30.2 23.0 34.6

59 12.6 9.8 14.6

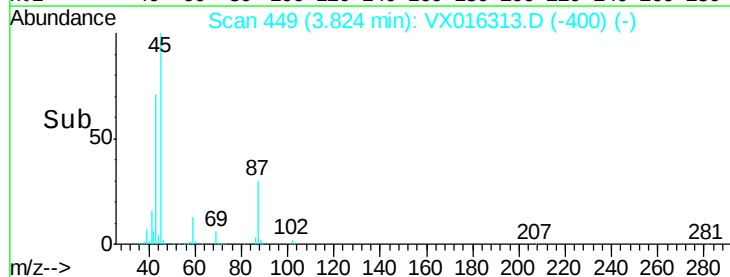
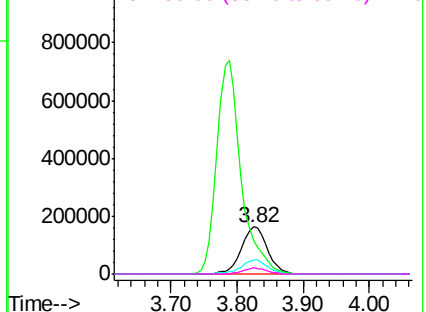


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.154 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

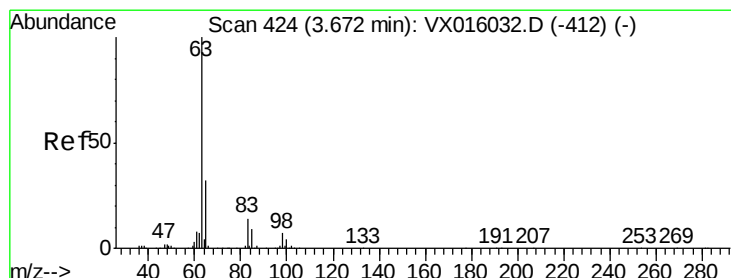
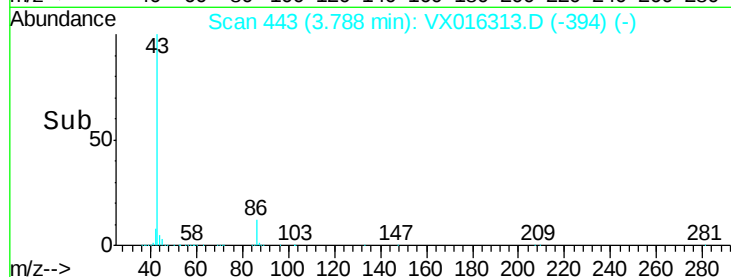
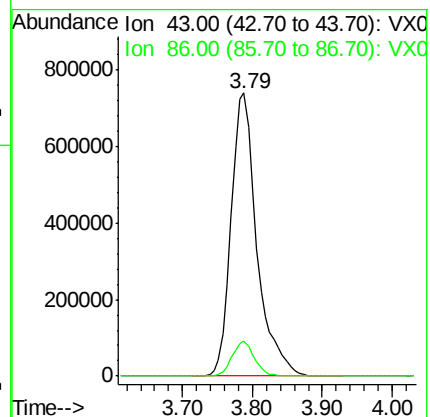
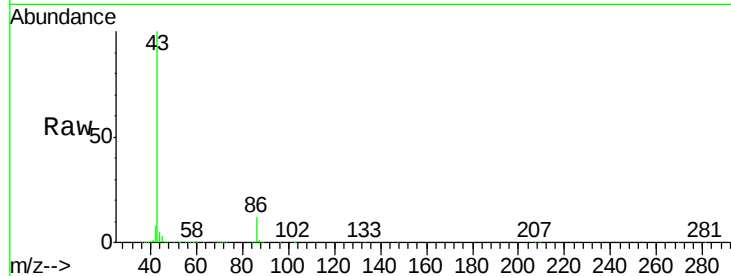
WP021MW173-200514MSD

Tot Ion: 43 Resp: 1889286

Ion Ratio Lower Upper

43 100

86 12.2 9.0 13.4



#24

1,1-Dichloroethane

Concen: 51.825 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

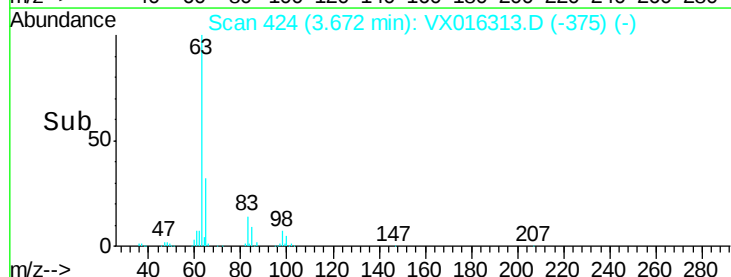
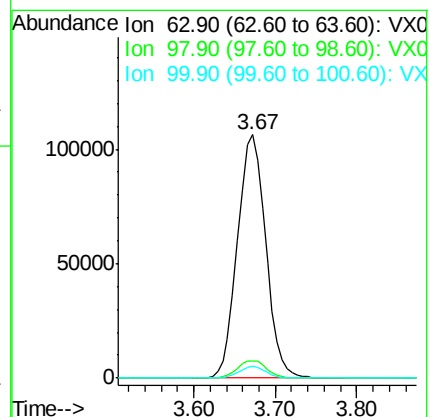
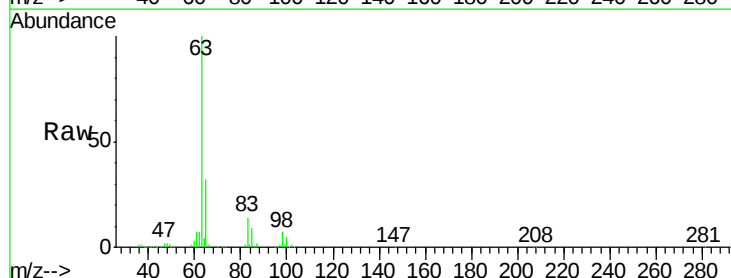
Tgt Ion: 63 Resp: 254987

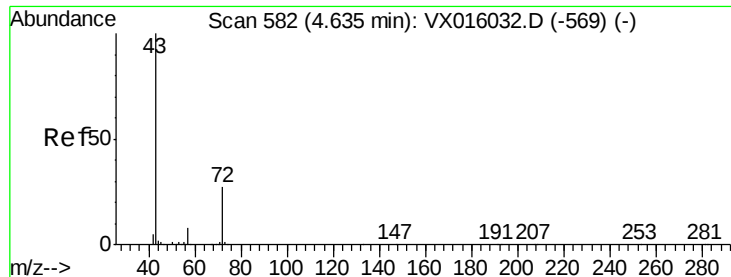
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 254.616 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

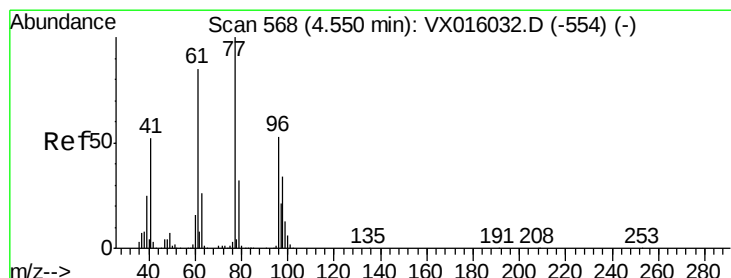
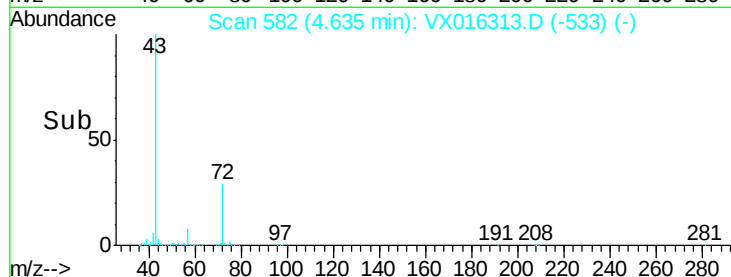
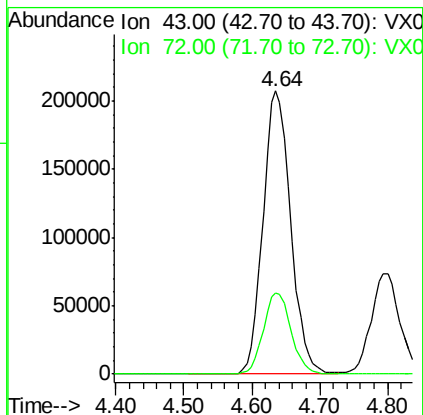
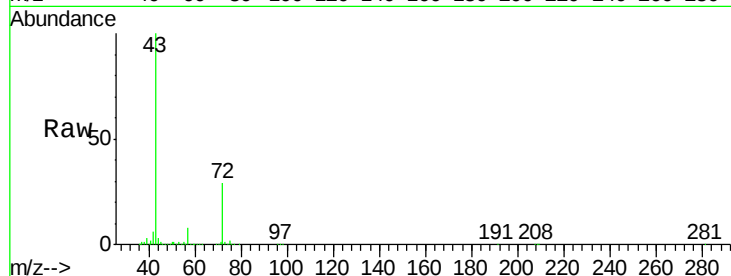
WP021MW173-200514MSD

Tot Ion: 43 Resp: 589248

Ion Ratio Lower Upper

43 100

72 28.8 21.8 32.8



#26

2,2-Dichloropropane

Concen: 44.461 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016313.D

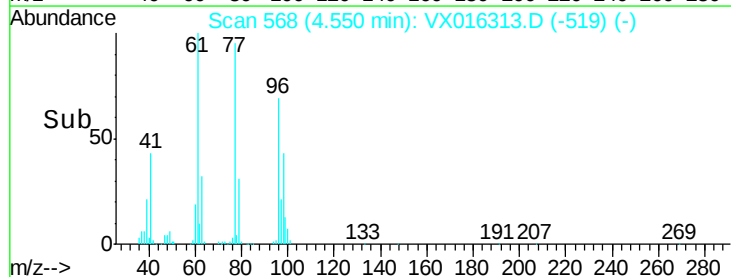
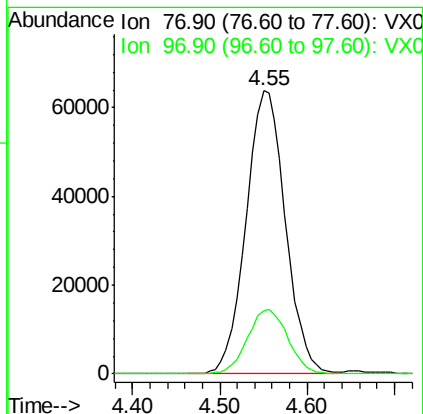
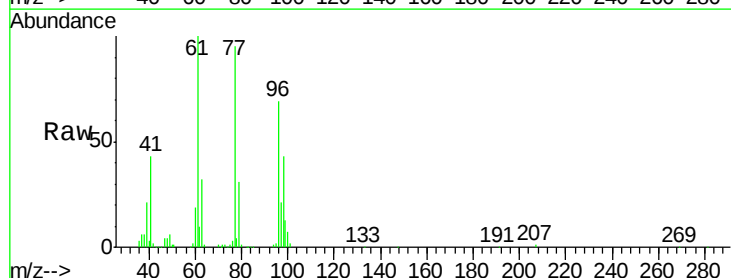
Acq: 18 May 2020 21:05

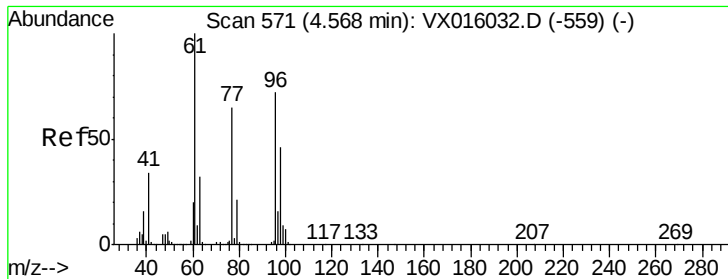
Tgt Ion: 77 Resp: 199779

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6



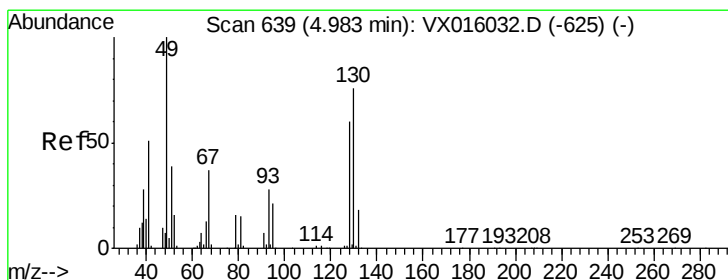
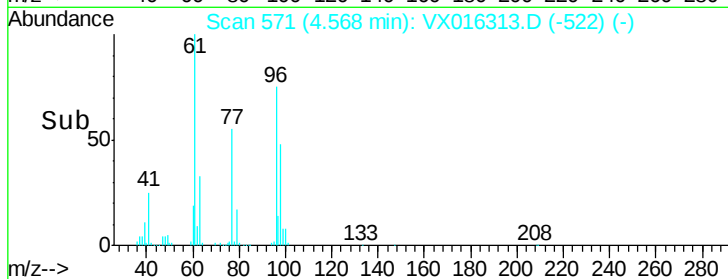
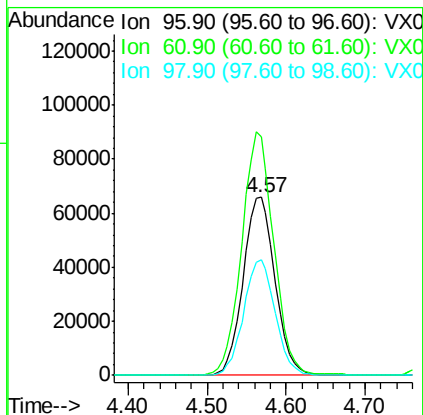
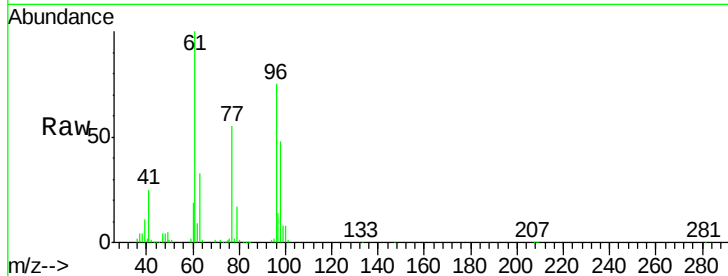


#27

cis-1,2-Dichloroethene
 Concen: 59.853 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

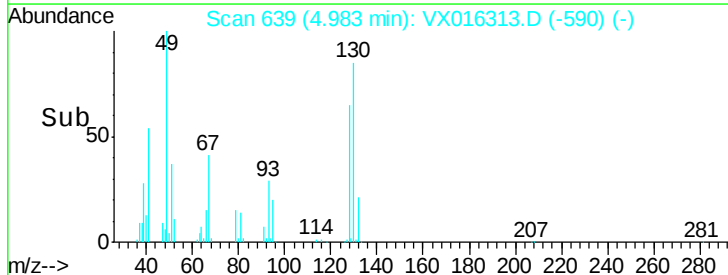
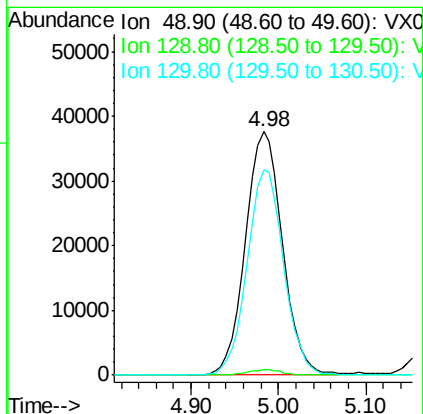
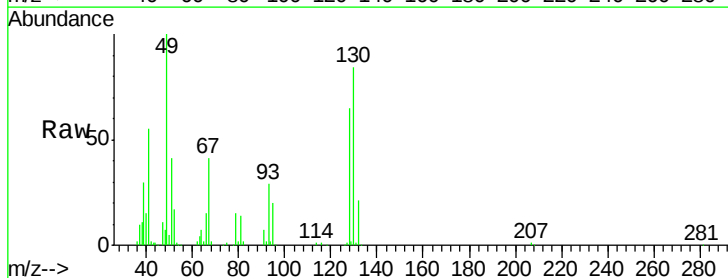
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	296.2
98	64.3	0.0	129.4

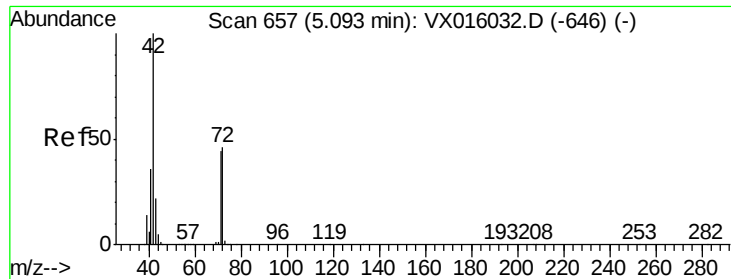


#28

Bromochloromethane
 Concen: 49.440 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.5	62.4	93.6

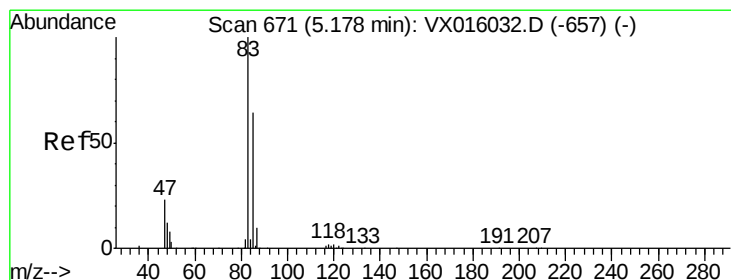
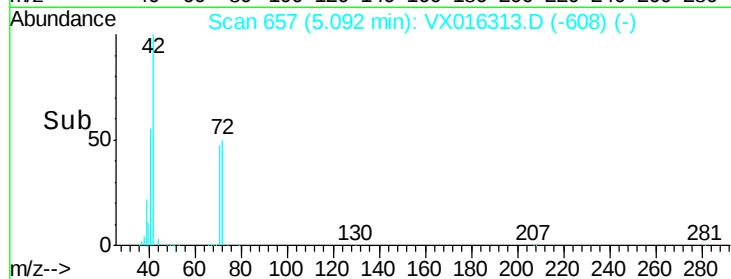
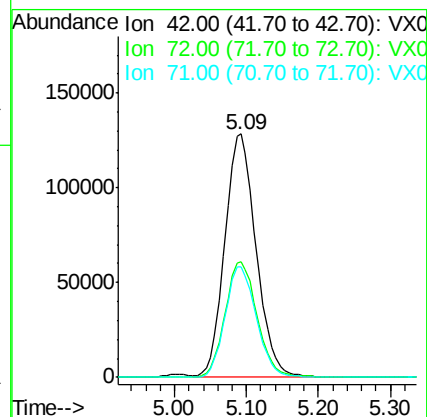
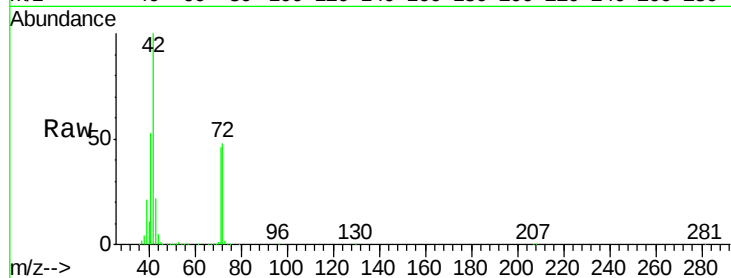




#29
Tetrahydrofuran
Concen: 251.500 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

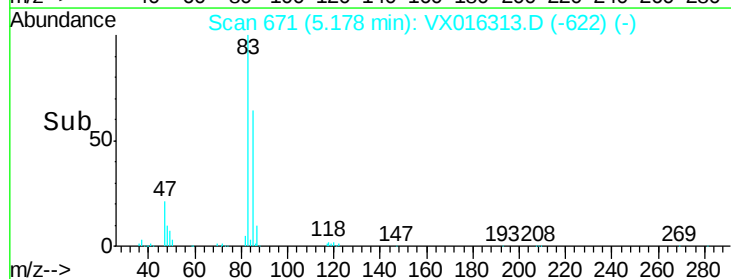
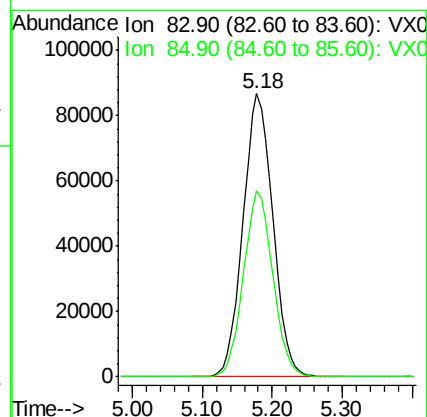
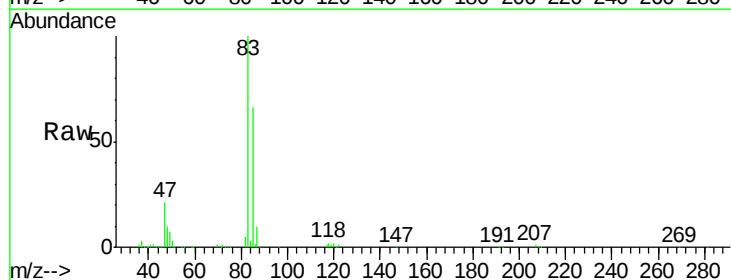
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514MSD

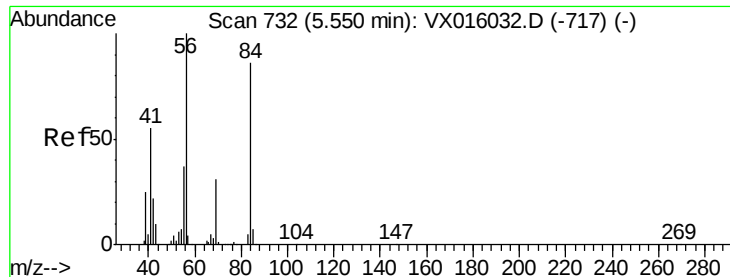
Tot Ion: 42 Resp: 385658
Ion Ratio Lower Upper
42 100
72 48.9 37.1 55.7
71 45.7 34.5 51.7



#30
Chloroform
Concen: 52.540 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

Tgt Ion: 83 Resp: 257383
Ion Ratio Lower Upper
83 100
85 65.5 51.6 77.4





#31

Cyclohexane

Concen: 46.537 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

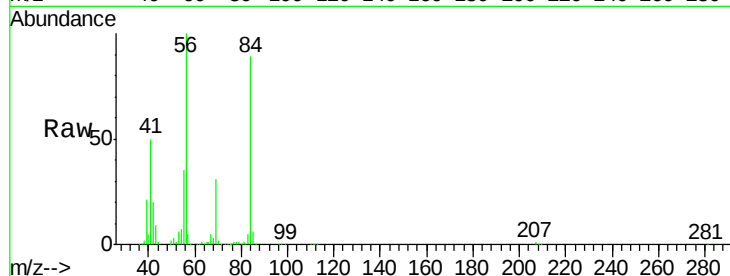
Tot Ion: 56 Resp: 208088

Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.6

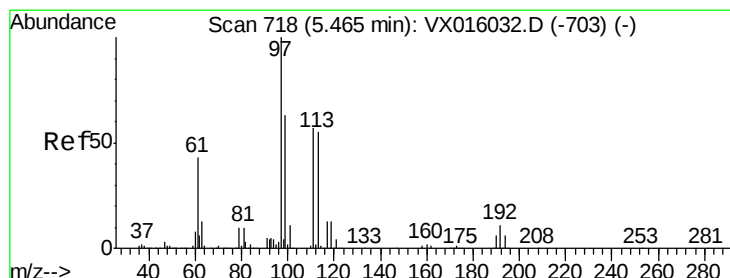
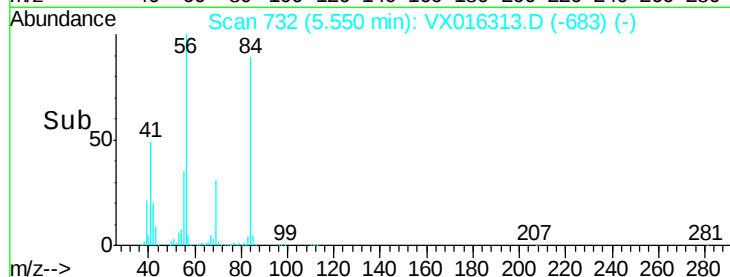
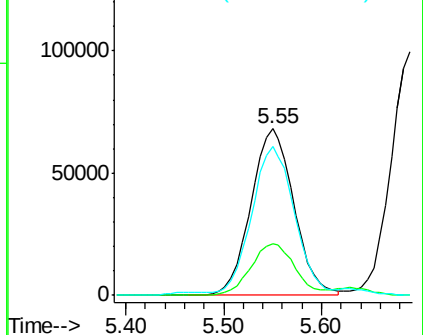
84 87.5 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.526 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

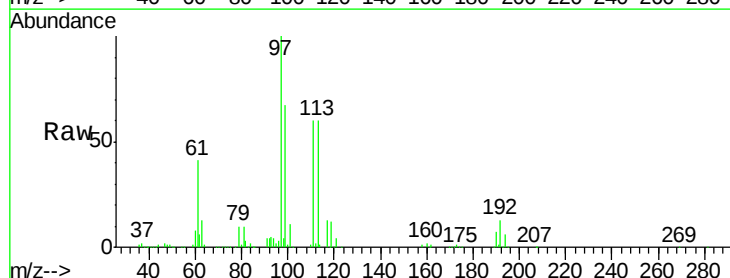
Tgt Ion: 97 Resp: 229443

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

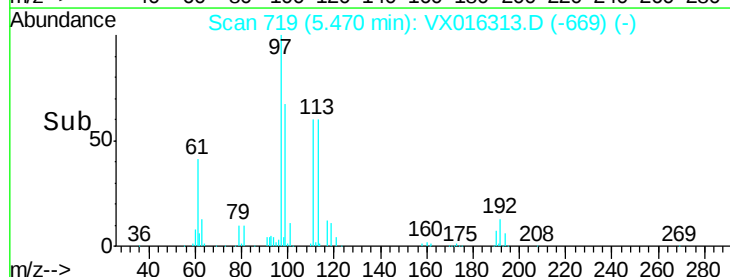
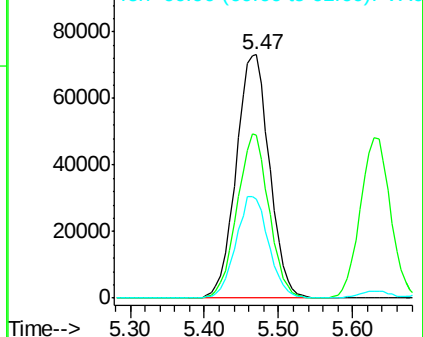
61 41.3 34.5 51.7

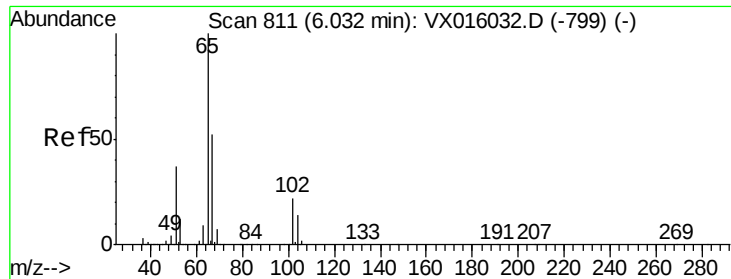


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.662 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

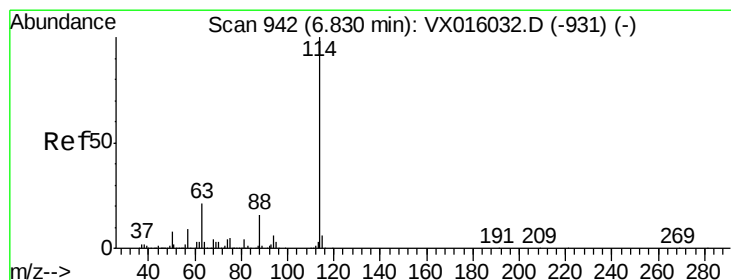
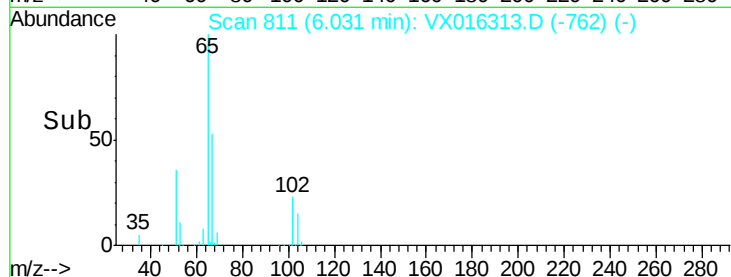
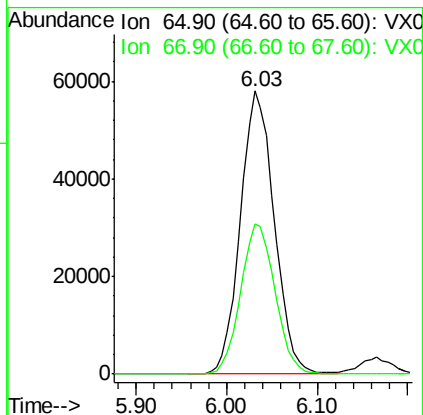
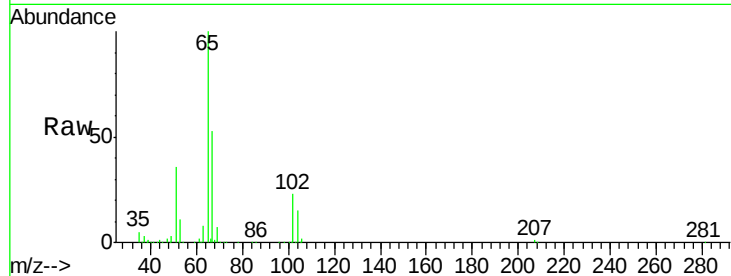
WP021MW173-200514MSD

Tot Ion: 65 Resp: 150193

Ion Ratio Lower Upper

65 100

67 53.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

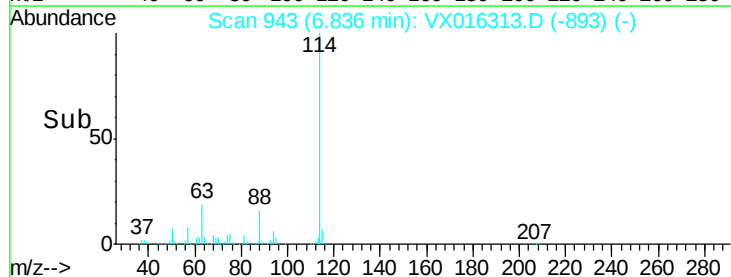
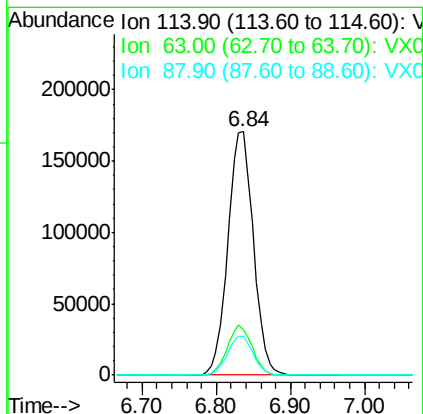
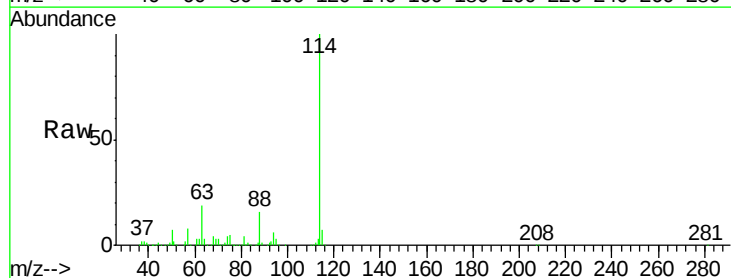
Tgt Ion: 114 Resp: 409018

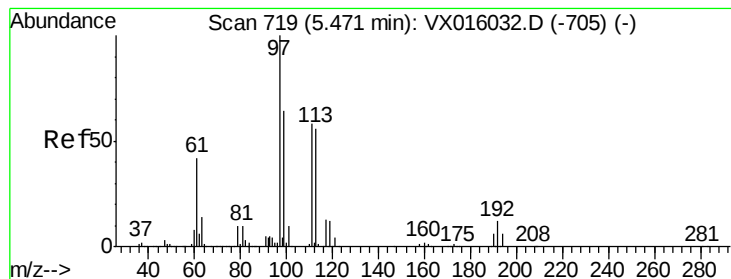
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.8

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.186 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

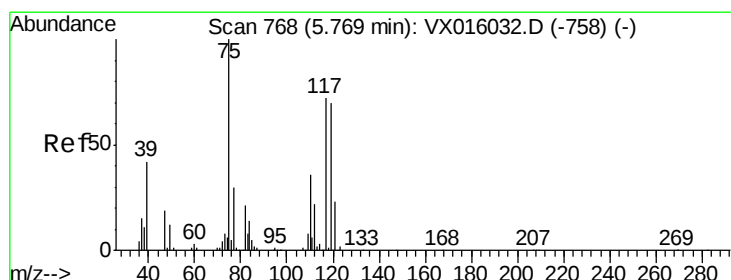
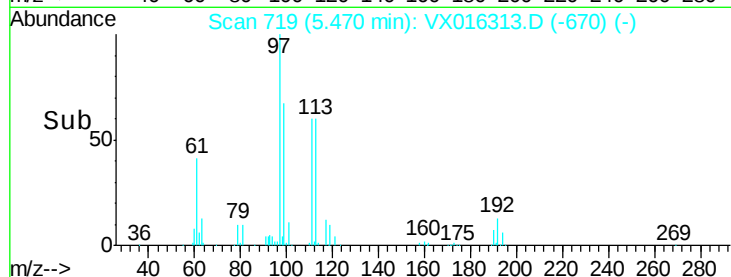
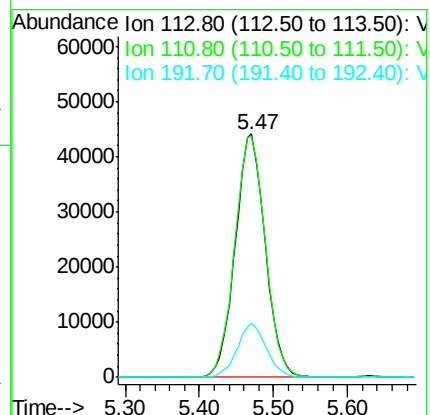
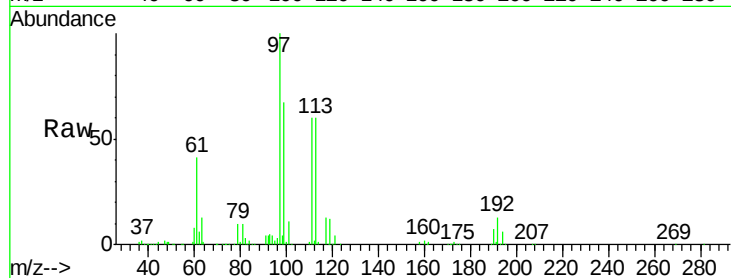
Tot Ion:113 Resp: 124865

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

192 21.6 17.0 25.4



#36

1,1-Dichloropropene

Concen: 47.454 ug/l

RT: 5.78 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

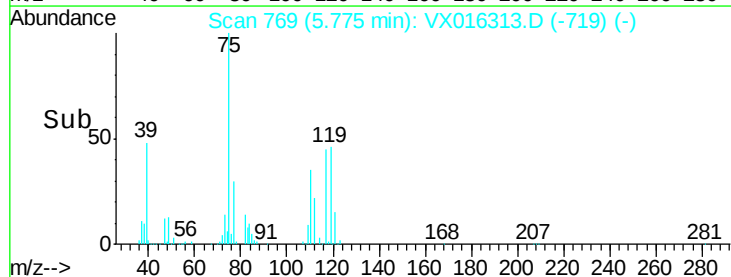
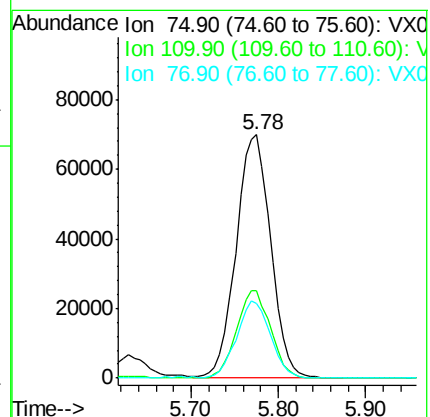
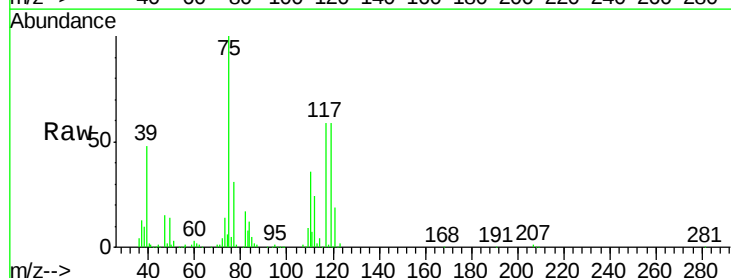
Tgt Ion: 75 Resp: 191059

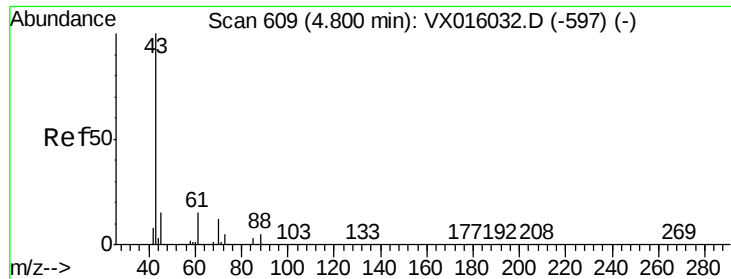
Ion Ratio Lower Upper

75 100

110 35.7 18.1 54.1

77 31.2 25.0 37.6

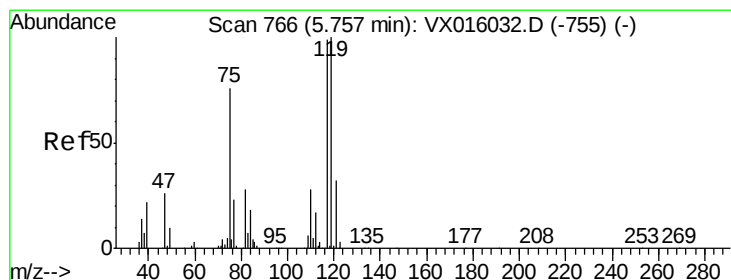
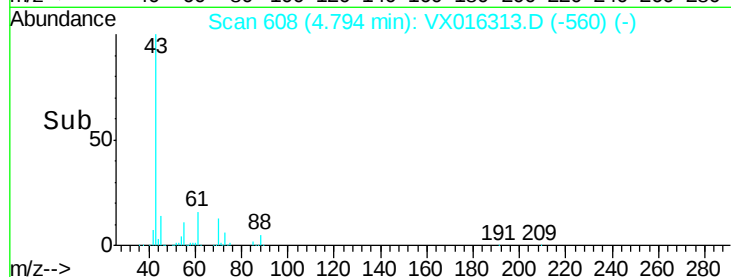
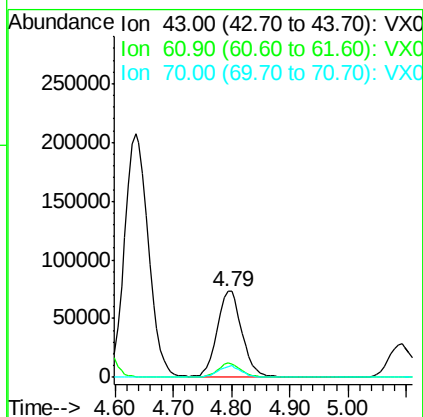
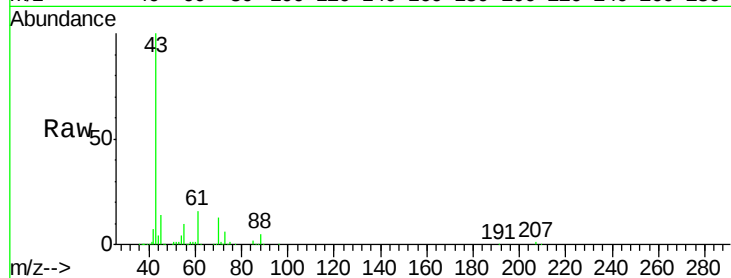




#37
Ethyl Acetate
Concen: 46.571 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

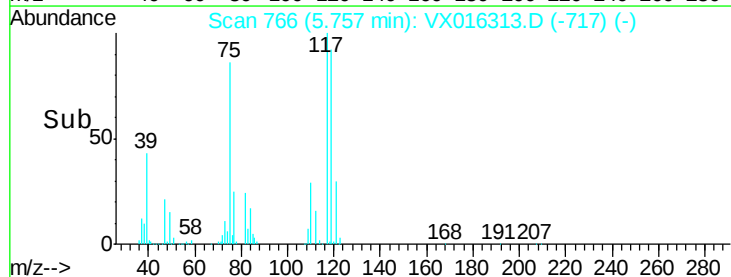
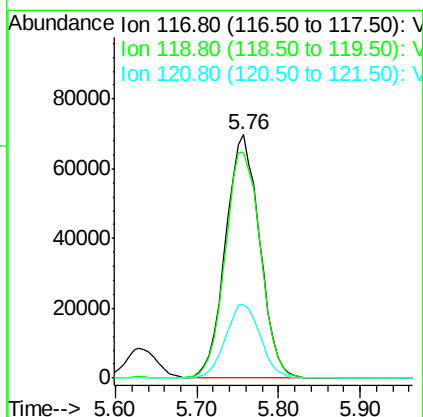
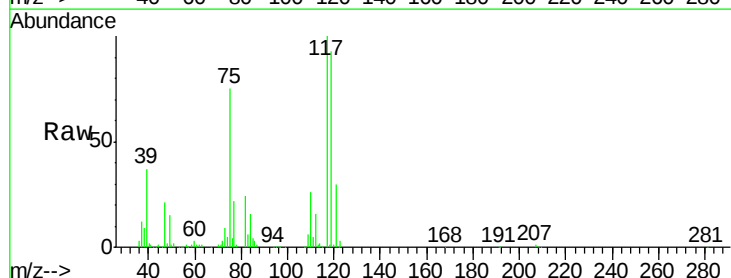
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514MSD

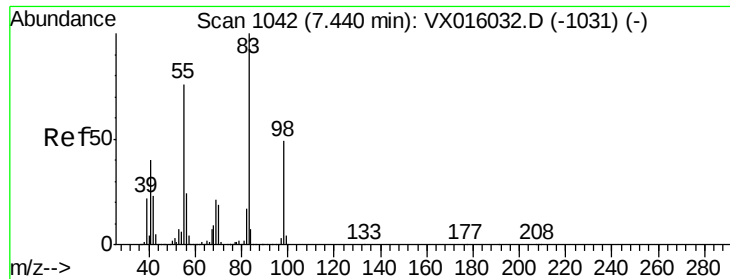
Tot Ion: 43 Resp: 217325
Ion Ratio Lower Upper
43 100
61 15.5 11.7 17.5
70 12.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 49.235 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

Tgt Ion: 117 Resp: 201488
Ion Ratio Lower Upper
117 100
119 92.5 80.3 120.5
121 30.3 25.7 38.5

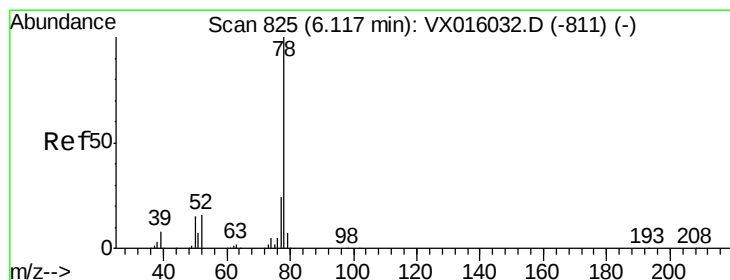
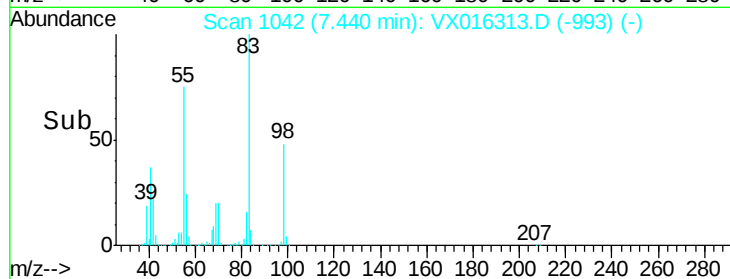
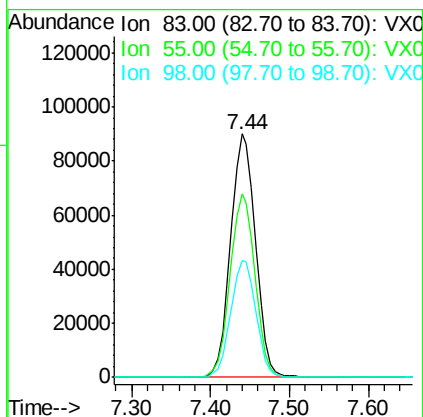
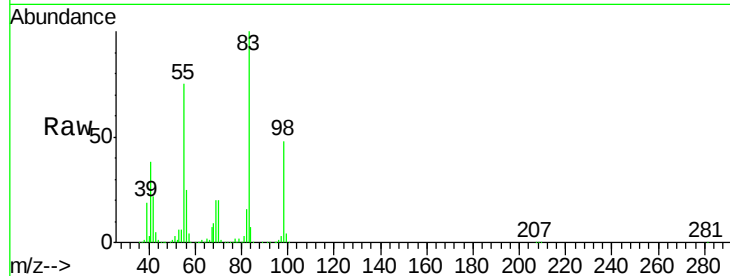




#39
Methvlcvclohexane
Concen: 40.799 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

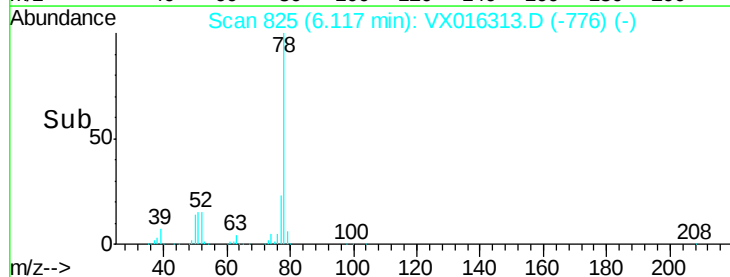
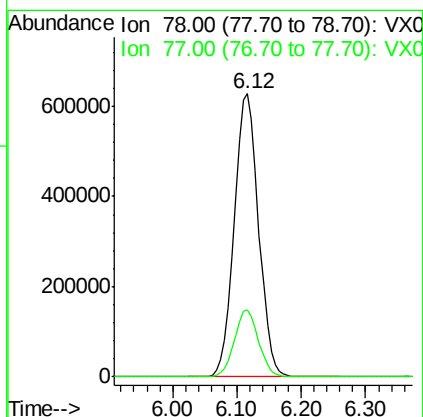
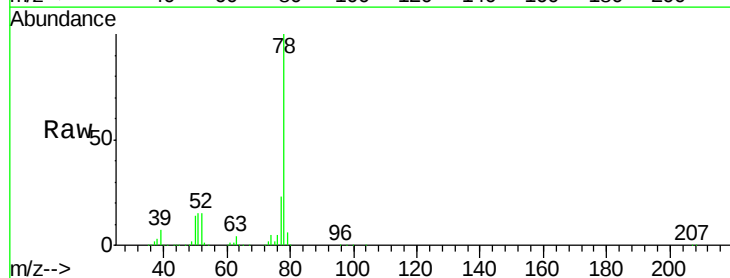
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514MSD

Tot Ion: 83 Resp: 197818
Ion Ratio Lower Upper
83 100
55 75.4 61.1 91.7
98 47.8 39.0 58.4



#40
Benzene
Concen: 139.802 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

Tgt Ion: 78 Resp: 1646930
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 48.979 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

Tot Ion: 41 Resp: 123435

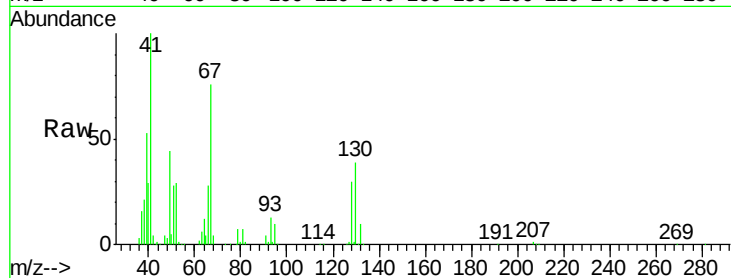
Ion Ratio Lower Upper

41 100

39 53.2 43.2 64.8

67 76.7 59.3 88.9

52 29.5 23.5 35.3

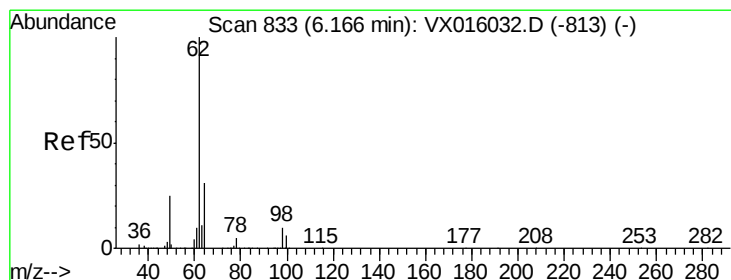
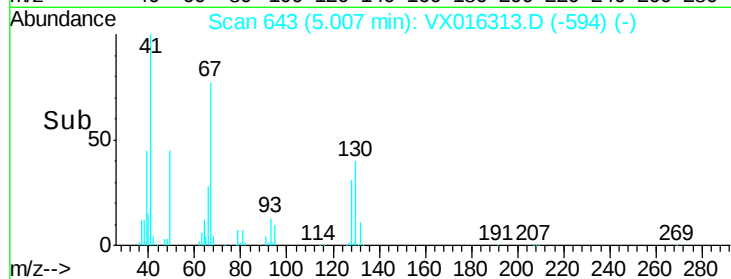
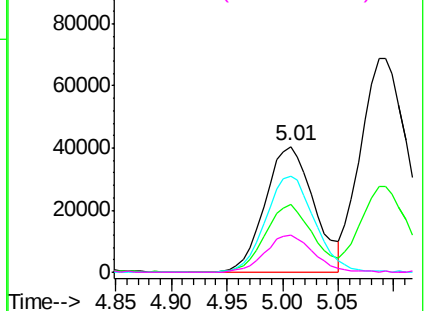


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.967 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX016313.D

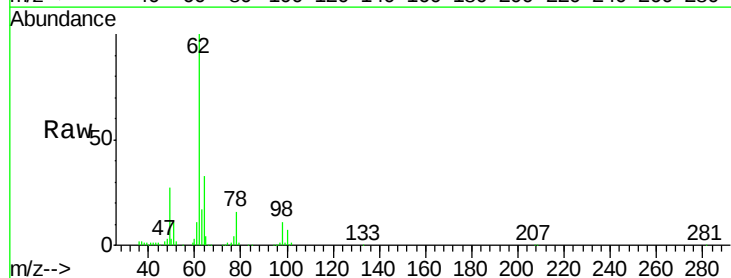
Acq: 18 May 2020 21:05

Tgt Ion: 62 Resp: 212047

Ion Ratio Lower Upper

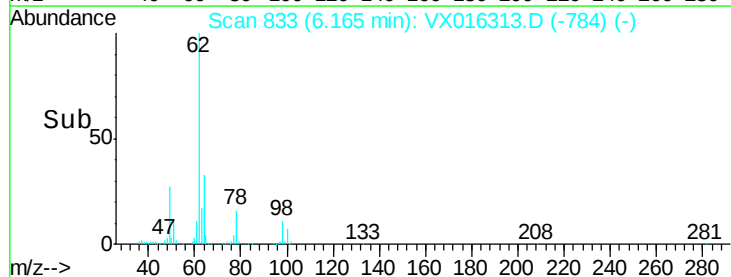
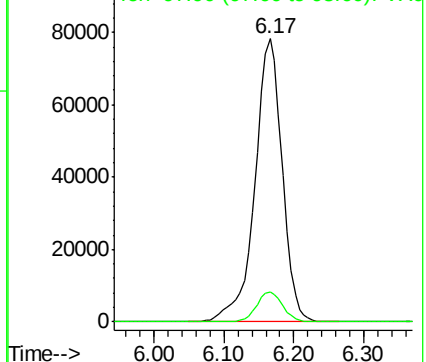
62 100

98 10.1 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



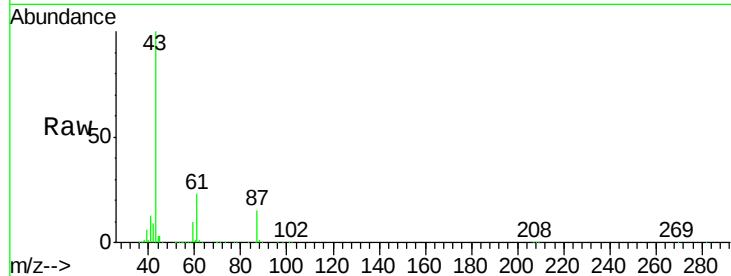


#43

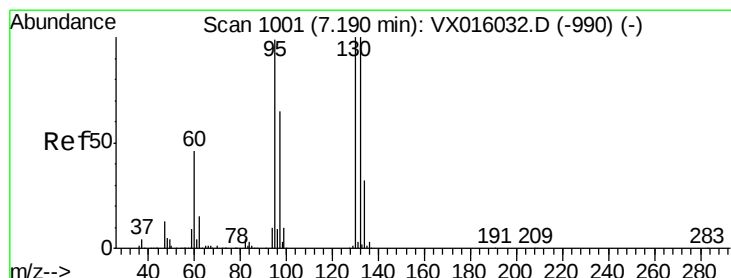
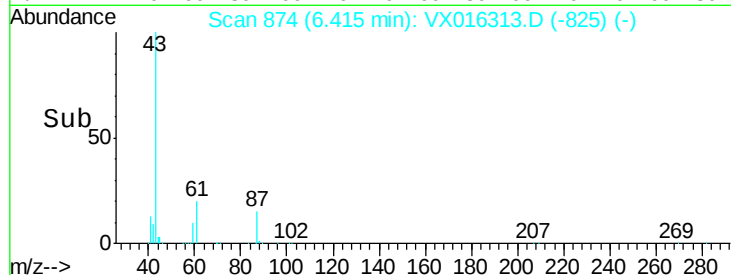
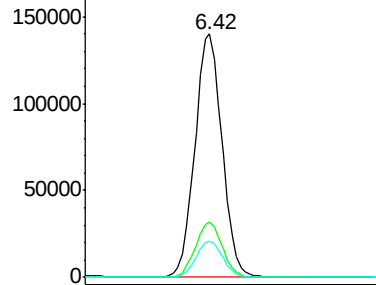
Isopropyl Acetate
 Concen: 47.422 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

Tot Ion	43	Resp	353080
Ion Ratio	Lower	Upper	
43	100		
61	22.6	17.0	25.4
87	14.9	11.0	16.6



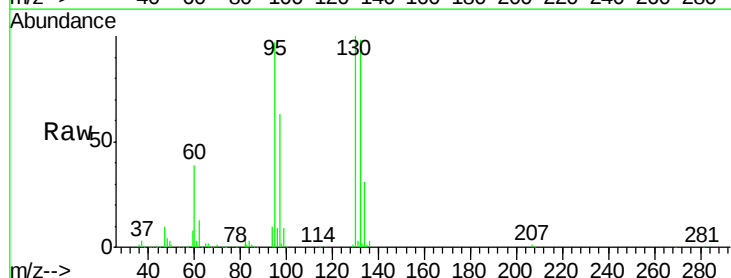
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



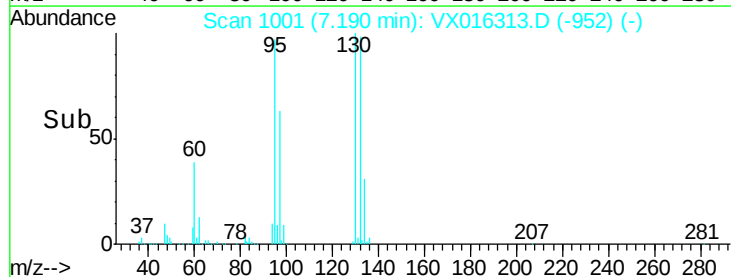
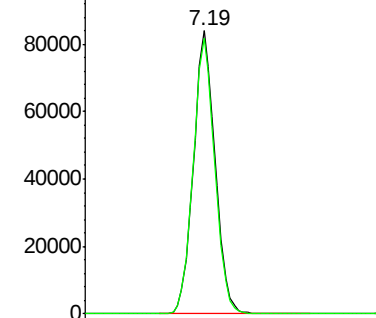
#44

Trichloroethene
 Concen: 41.967 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion	130	Resp	175639
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	197.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.325 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

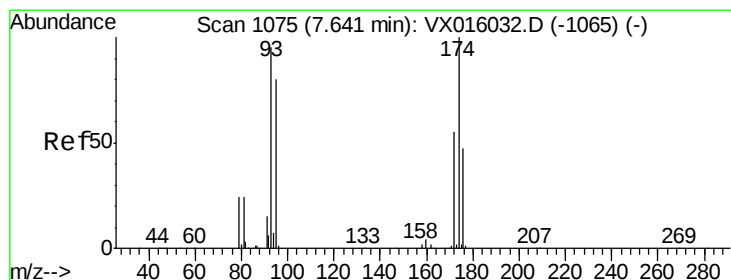
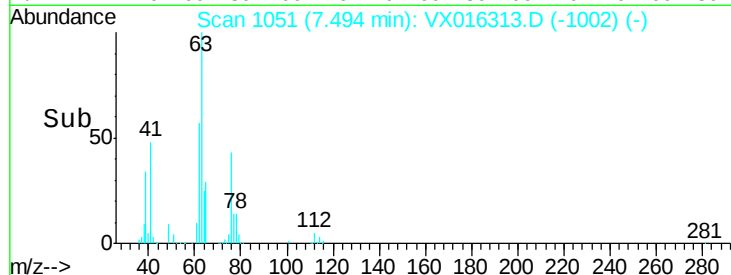
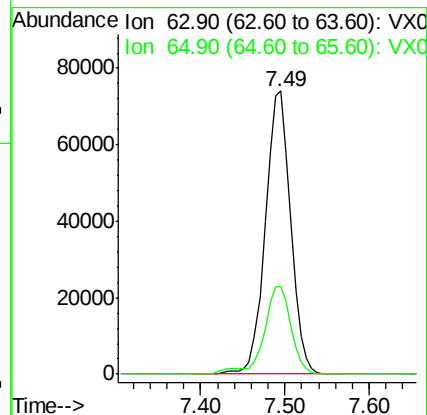
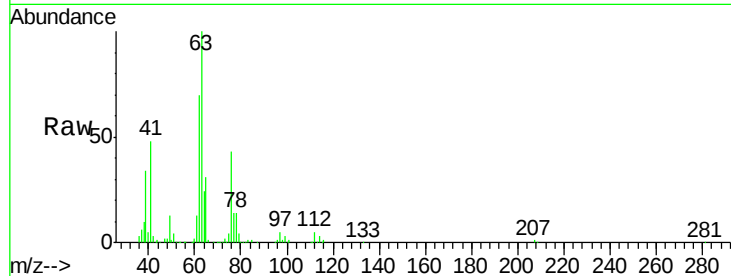
WP021MW173-200514MSD

Tot Ion: 63 Resp: 152994

Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



#46

Dibromomethane

Concen: 49.938 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

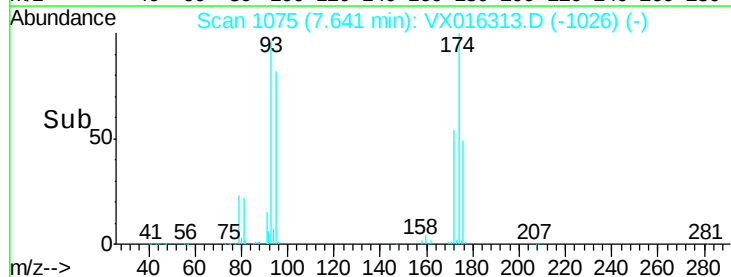
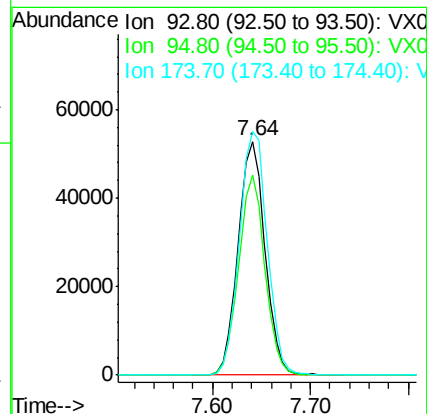
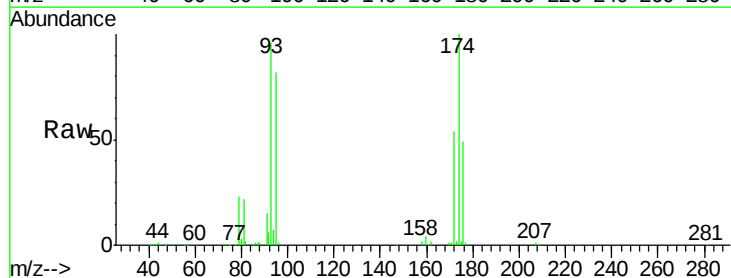
Tgt Ion: 93 Resp: 101161

Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 108.1 84.2 126.4





#47

Bromodichloromethane

Concen: 51.729 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

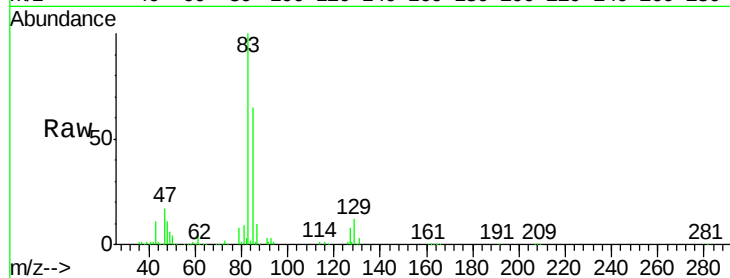
Tot Ion: 83 Resp: 213416

Ion Ratio Lower Upper

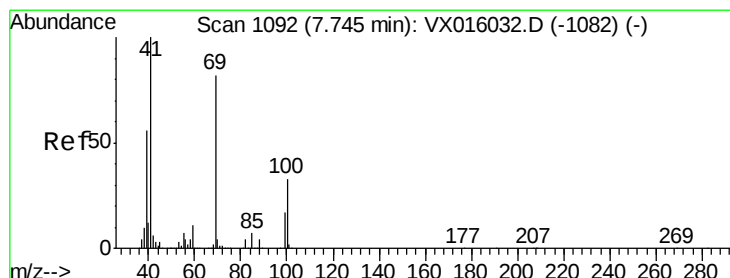
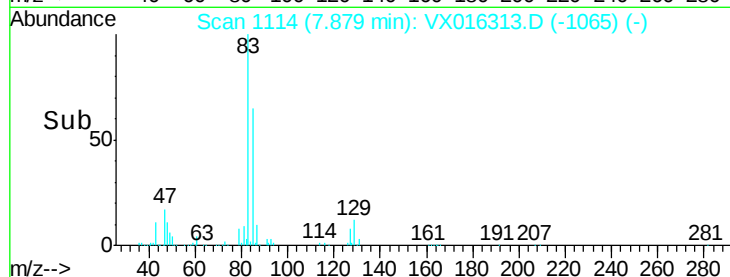
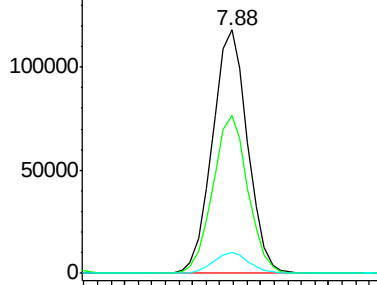
83 100

85 64.8 50.5 75.7

127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.855 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

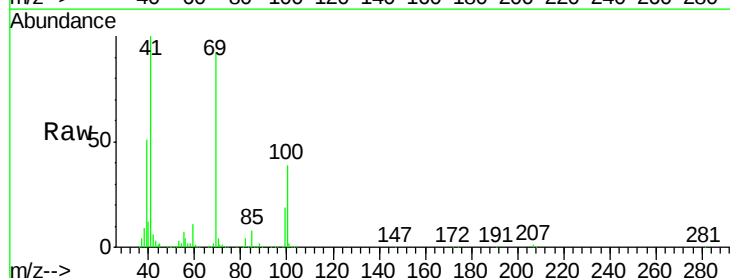
Tgt Ion: 41 Resp: 168835

Ion Ratio Lower Upper

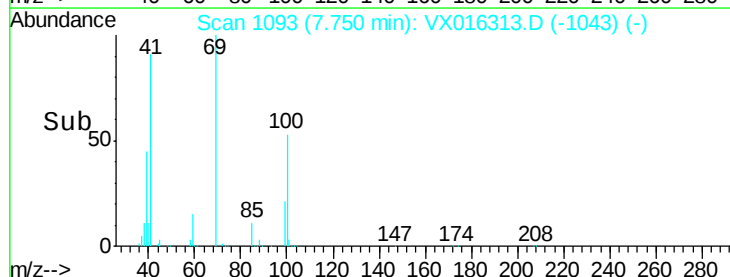
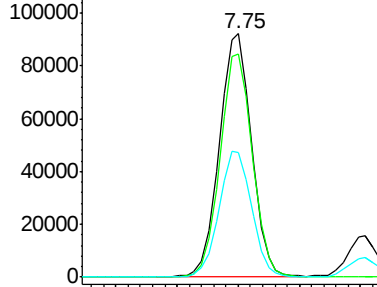
41 100

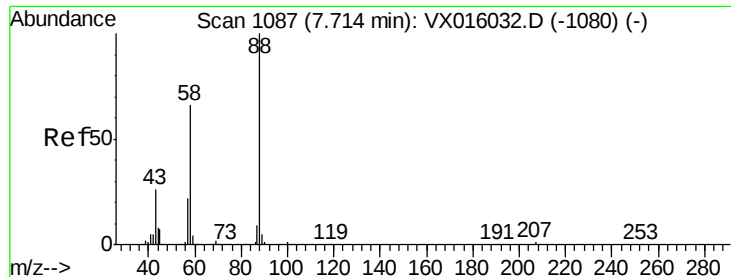
69 92.4 67.8 101.6

39 52.3 44.6 67.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 875.039 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

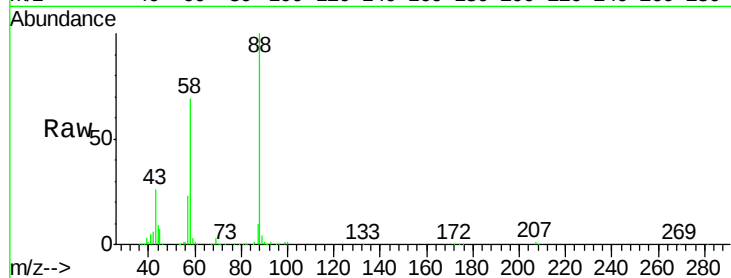
Tot Ion: 88 Resp: 74041

Ion Ratio Lower Upper

88 100

43 29.7 25.3 37.9

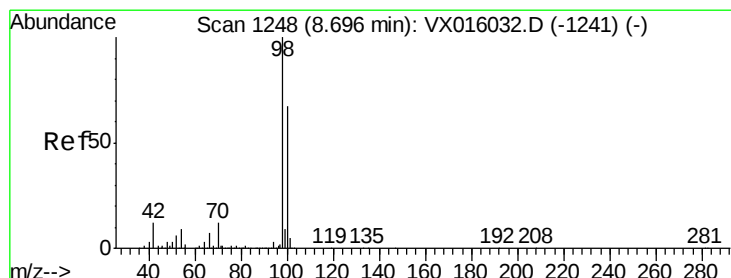
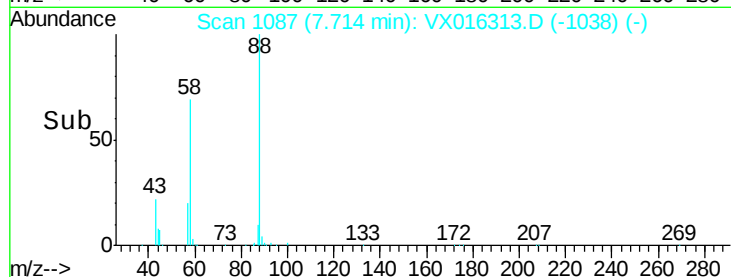
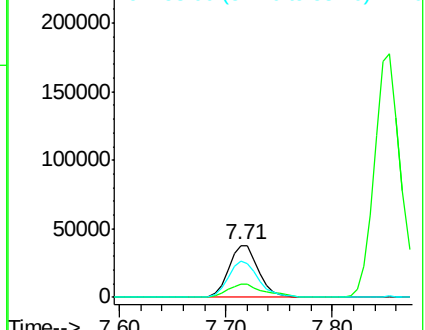
58 71.3 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.084 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016313.D

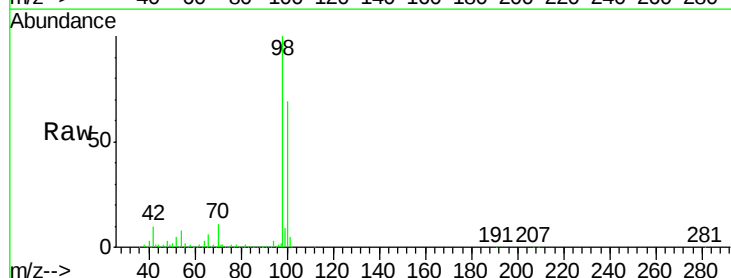
Acq: 18 May 2020 21:05

Tgt Ion: 98 Resp: 480090

Ion Ratio Lower Upper

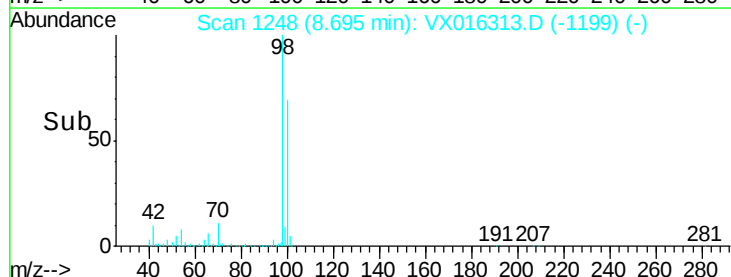
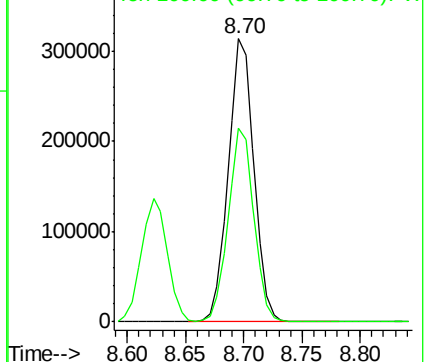
98 100

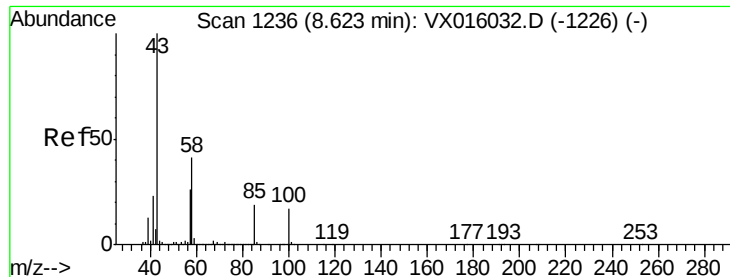
100 68.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 250.531 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

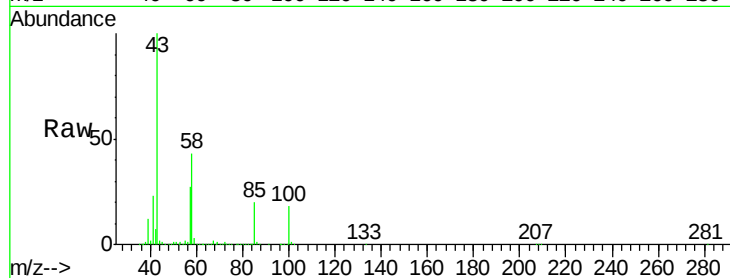
WP021MW173-200514MSD

Tot Ion: 43 Resp: 1141480

Ion Ratio Lower Upper

43 100

58 43.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

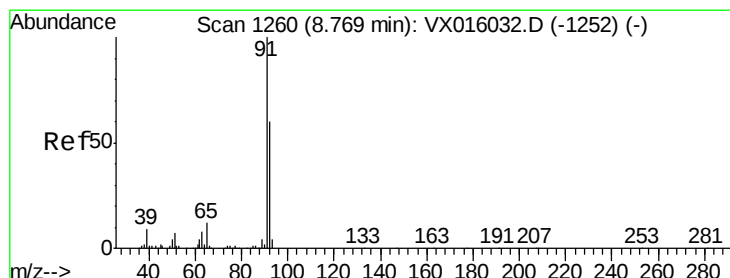
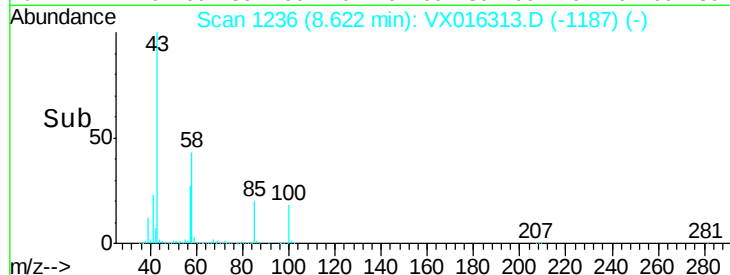
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.812 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016313.D

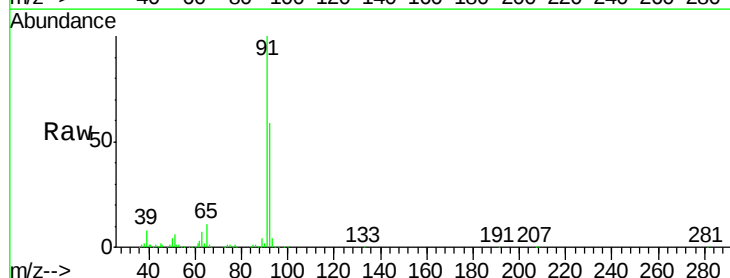
Acq: 18 May 2020 21:05

Tgt Ion: 92 Resp: 387795

Ion Ratio Lower Upper

92 100

91 168.5 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

500000

400000

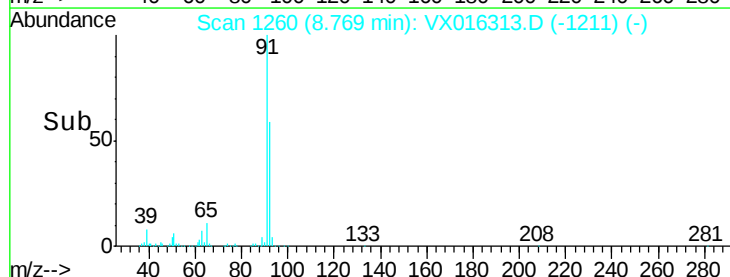
300000

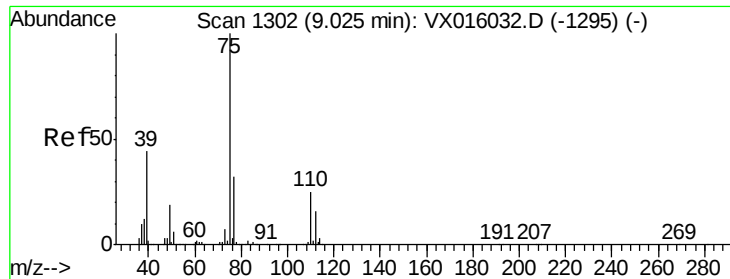
200000

100000

0

Time-->

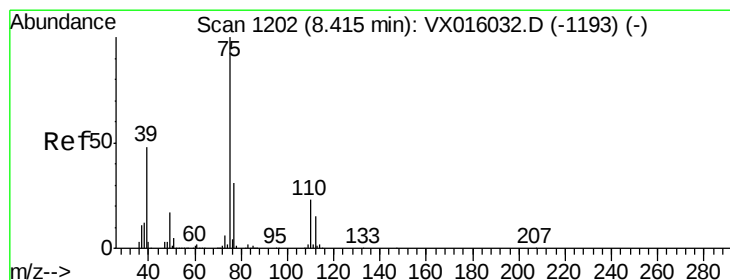
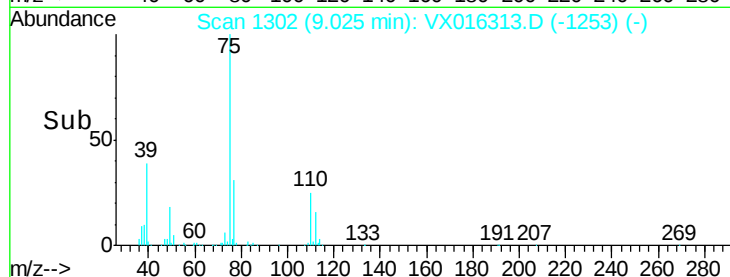
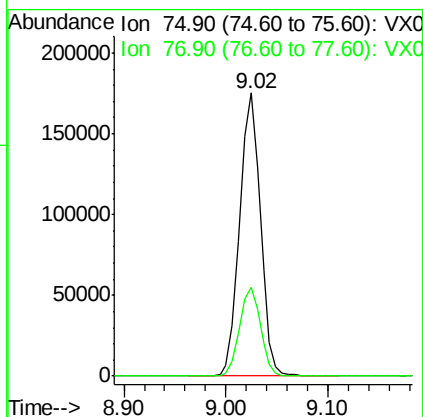
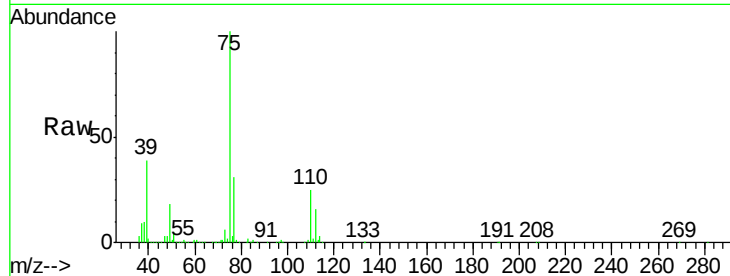




#53
 t-1,3-Dichloropropene
 Concen: 50.081 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

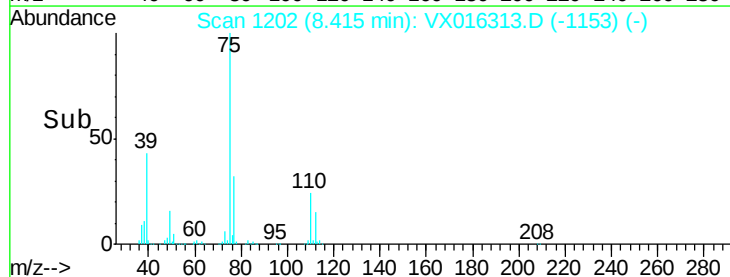
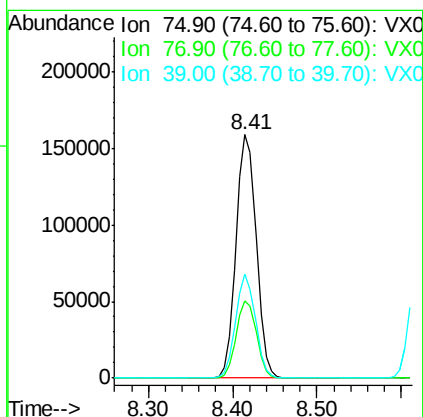
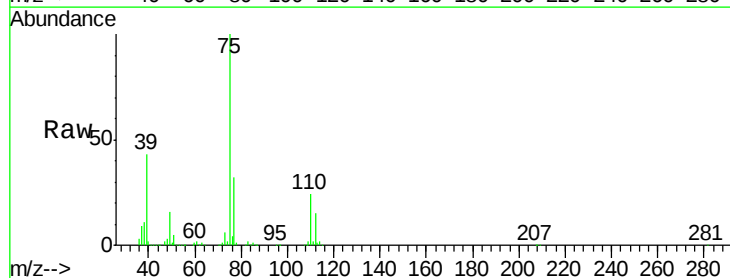
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

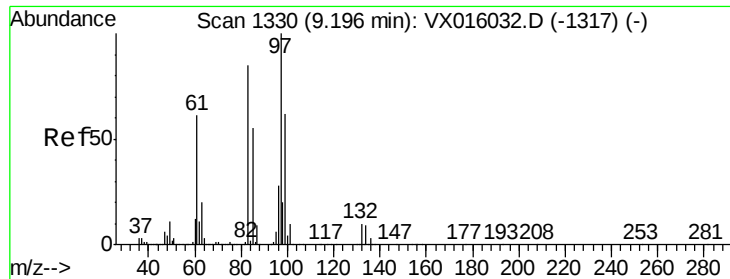
Tot Ion: 75 Resp: 246351
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 49.859 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion: 75 Resp: 256176
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.7 37.1
 39 42.6 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 54.004 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

Tot Ion: 97 Resp: 156016

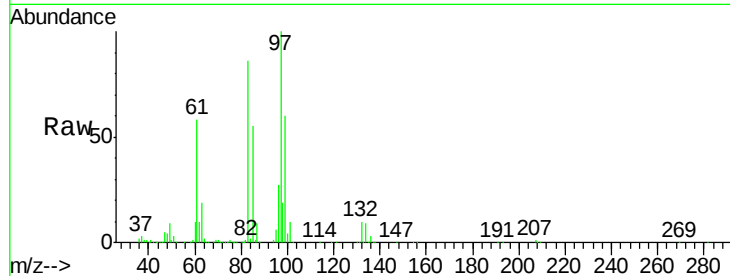
Ion Ratio Lower Upper

97 100

83 86.4 67.8 101.8

85 55.2 43.8 65.8

99 60.1 49.4 74.0



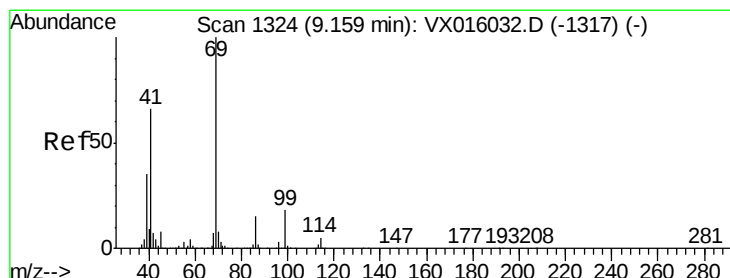
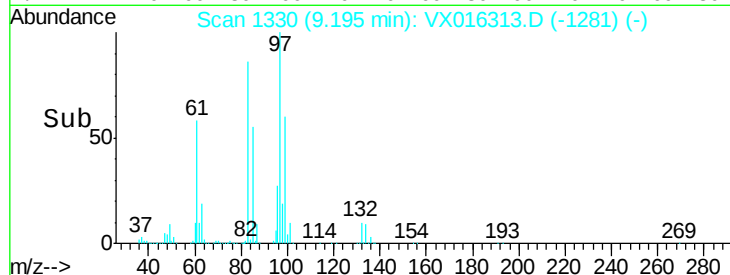
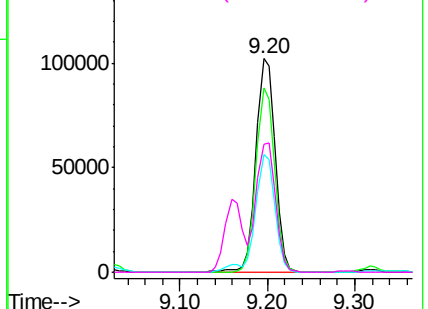
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.675 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

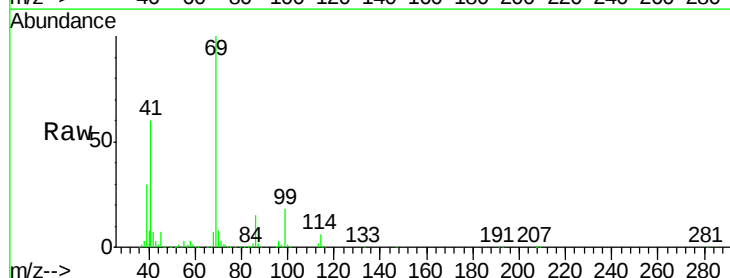
Tgt Ion: 69 Resp: 253116

Ion Ratio Lower Upper

69 100

41 60.2 52.2 78.4

39 29.6 28.2 42.4

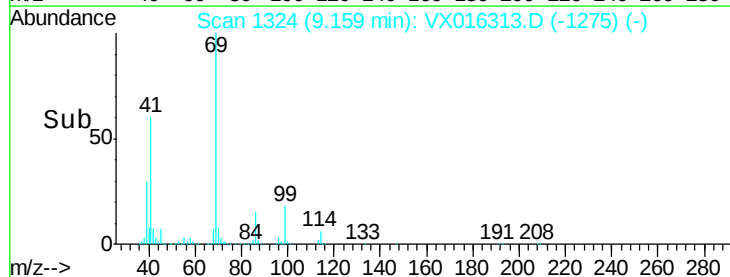
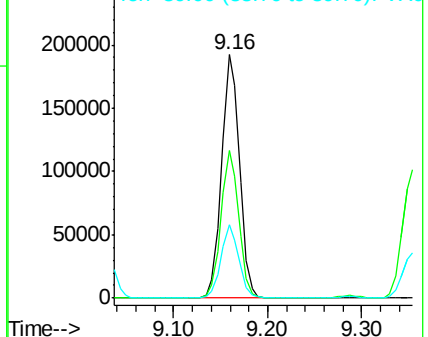


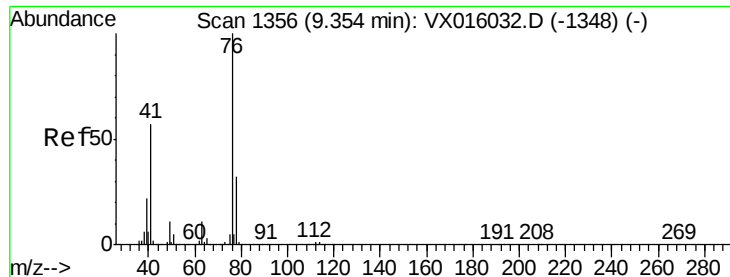
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.999 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

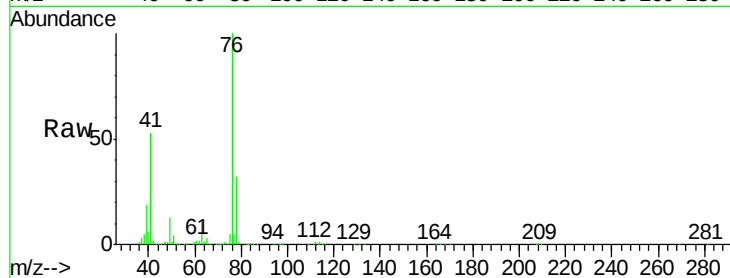
WP021MW173-200514MSD

Tot Ion: 76 Resp: 262128

Ion Ratio Lower Upper

76 100

78 32.9 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

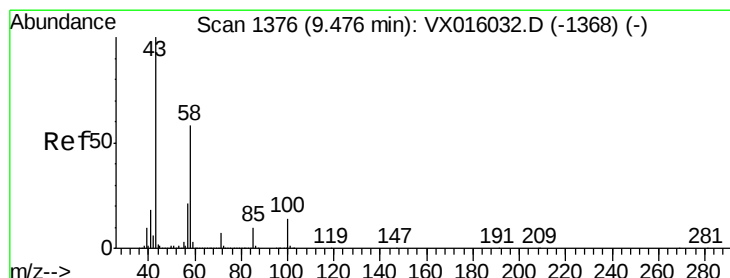
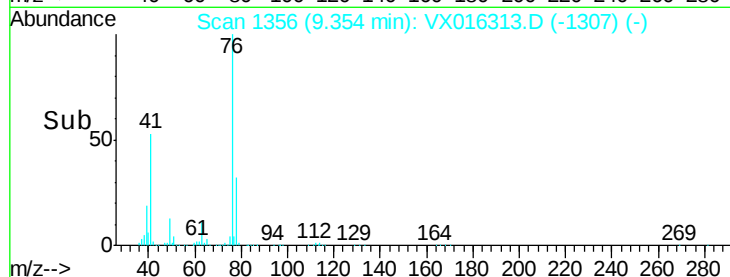
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 248.140 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016313.D

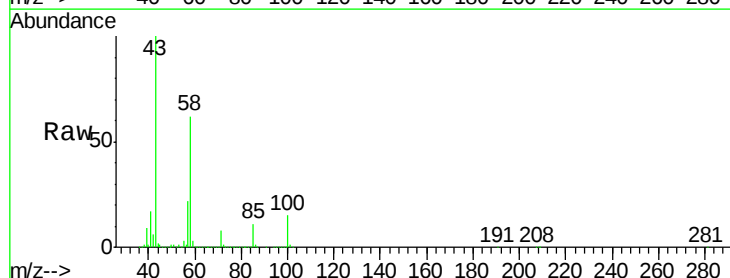
Acq: 18 May 2020 21:05

Tgt Ion: 43 Resp: 887874

Ion Ratio Lower Upper

43 100

58 60.2 28.6 85.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

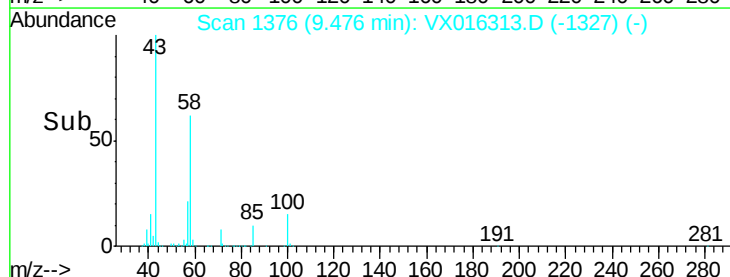
600000

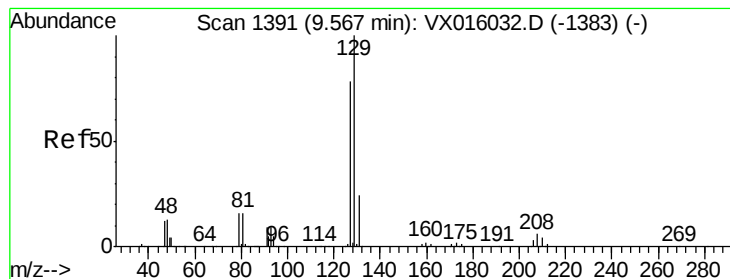
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 55.355 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

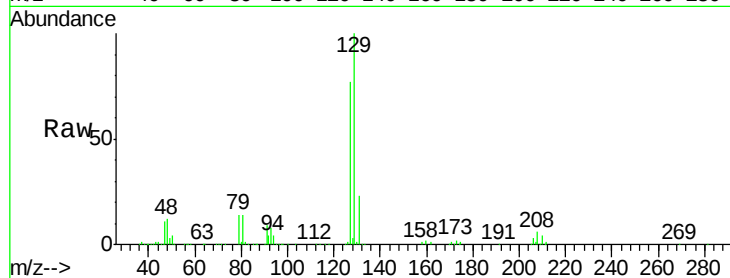
WP021MW173-200514MSD

Tot Ion:129 Resp: 176130

Ion Ratio Lower Upper

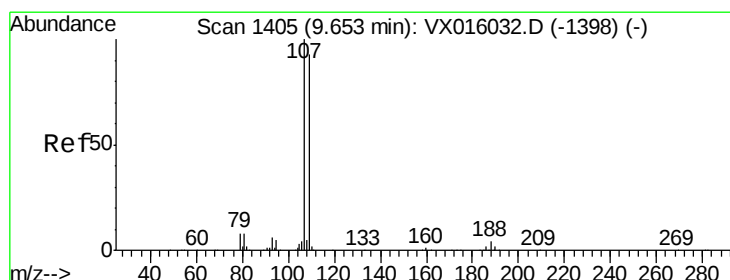
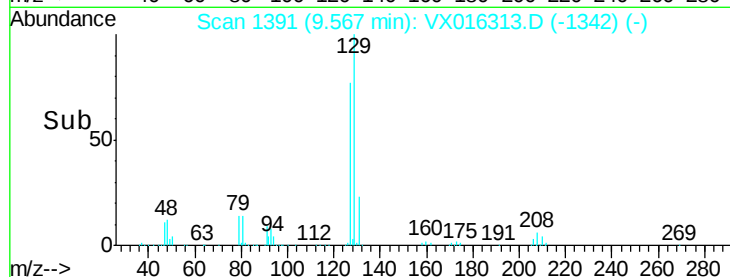
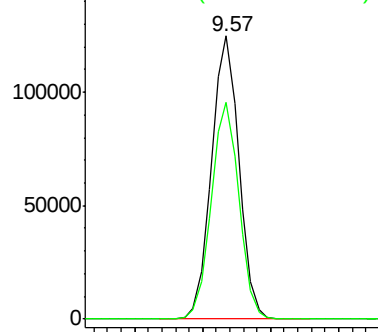
129 100

127 76.7 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.338 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016313.D

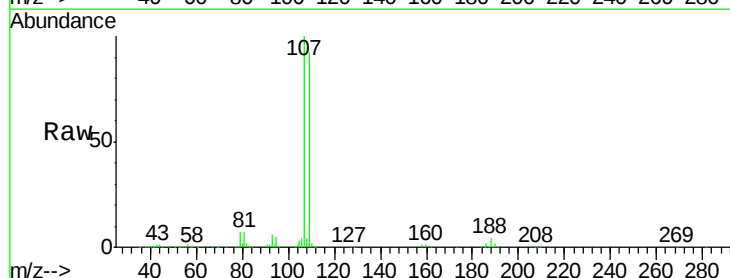
Acq: 18 May 2020 21:05

Tgt Ion:107 Resp: 163781

Ion Ratio Lower Upper

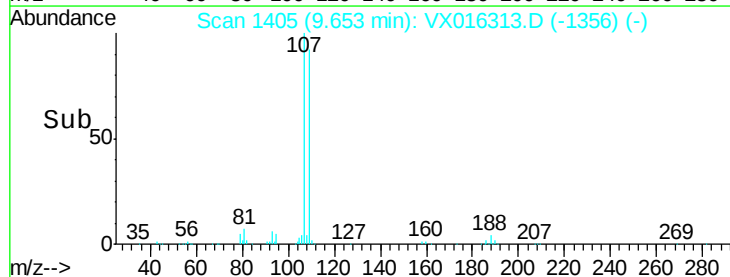
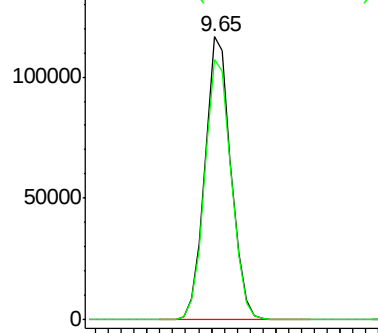
107 100

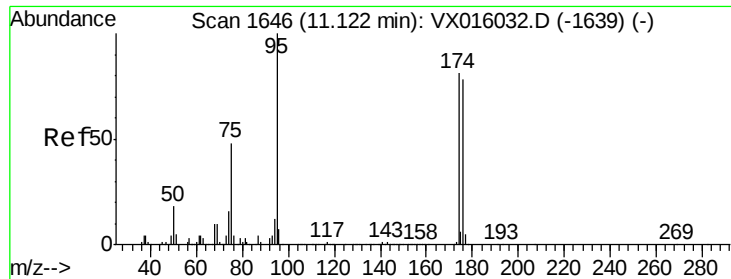
109 94.4 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.222 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

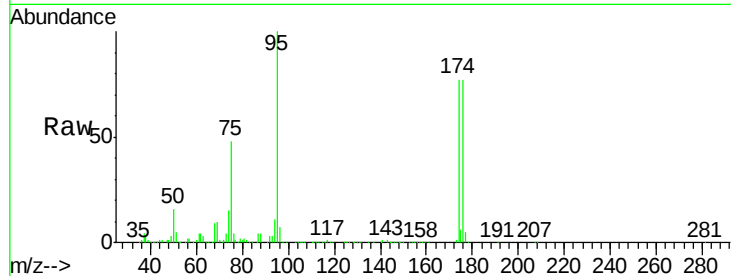
Tot Ion: 95 Resp: 186925

Ion Ratio Lower Upper

95 100

174 81.6 0.0 159.4

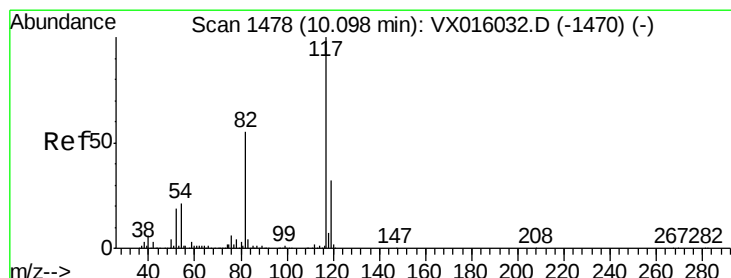
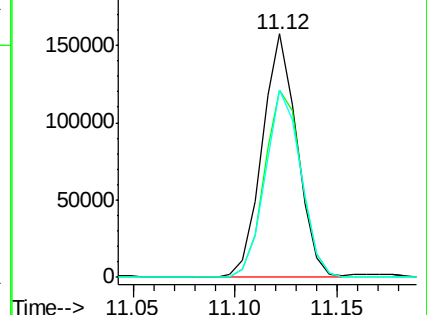
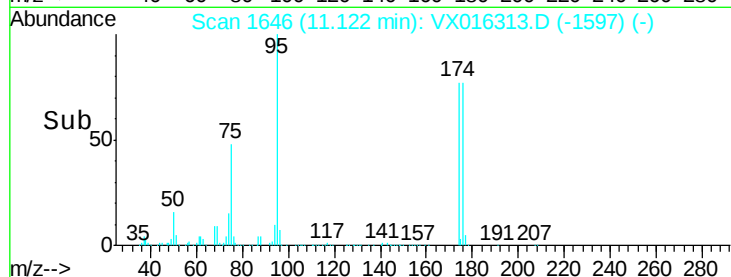
176 79.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016313.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016313.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016313.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

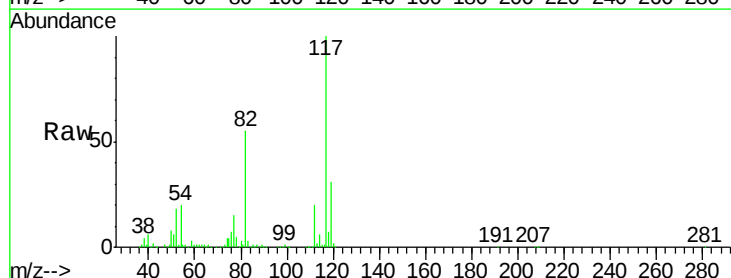
Tgt Ion: 117 Resp: 384018

Ion Ratio Lower Upper

117 100

82 55.5 44.4 66.6

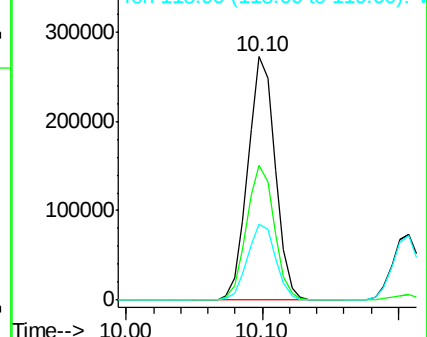
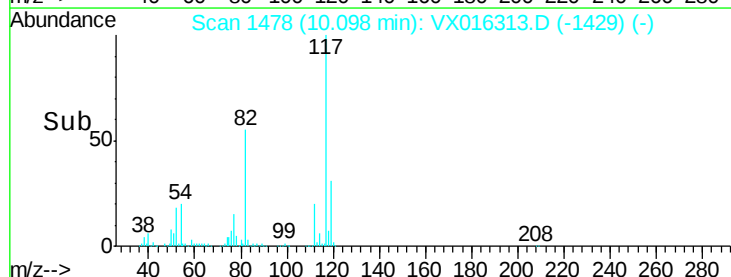
119 31.2 25.5 38.3

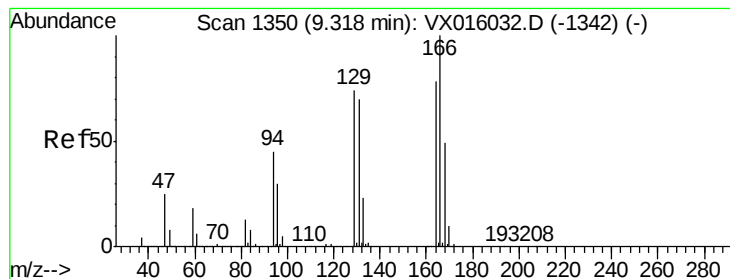


Abundance Ion 116.90 (116.60 to 117.60): VX016313.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016313.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016313.D (-1429) (-)





#64

Tetrachloroethene

Concen: 40.508 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

Tot Ion:164 Resp: 190969

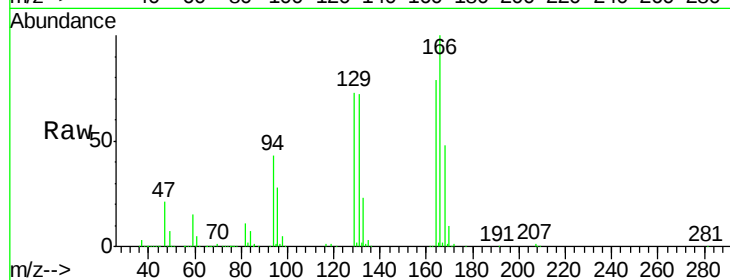
Ion Ratio Lower Upper

164 100

166 126.1 102.9 154.3

129 91.8 76.1 114.1

131 90.5 71.9 107.9

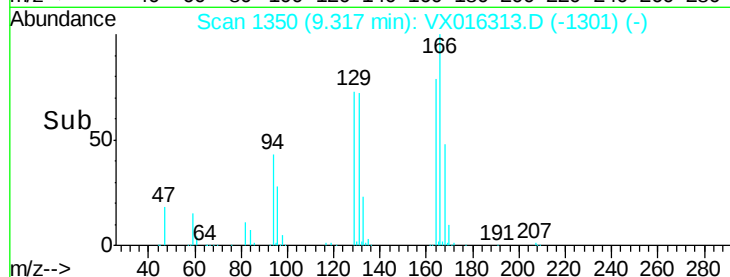


Abundance Ion 163.80 (163.50 to 164.50): V

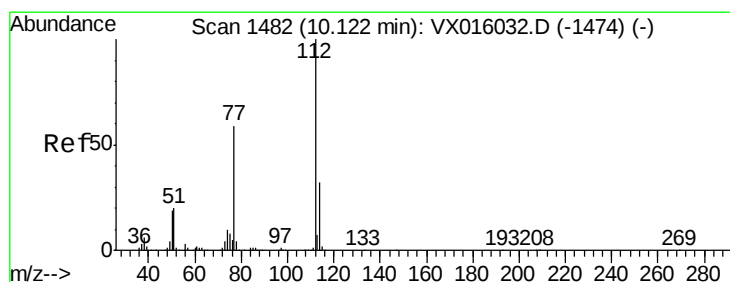
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#65

Chlorobenzene

Concen: 936.058 ug/l

RT: 10.13 min Scan# 1483

Delta R.T. 0.01 min

Lab File: VX016313.D

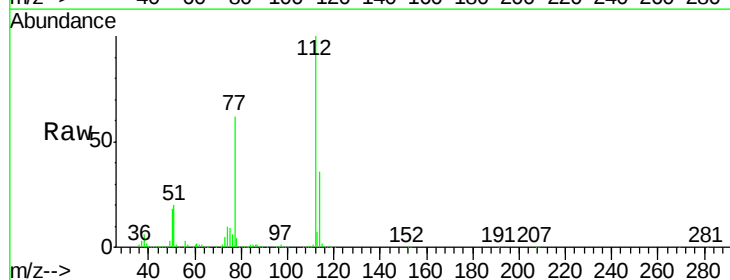
Acq: 18 May 2020 21:05

Tgt Ion:112 Resp: 7526750

Ion Ratio Lower Upper

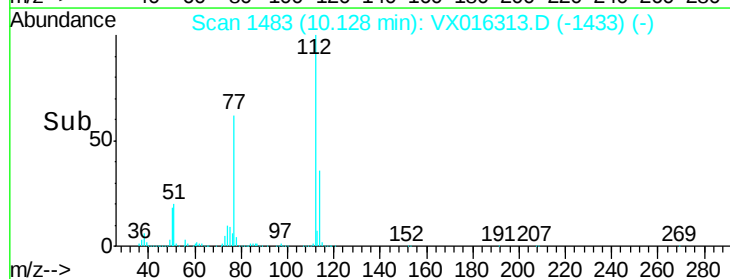
112 100

114 35.7 25.7 38.5

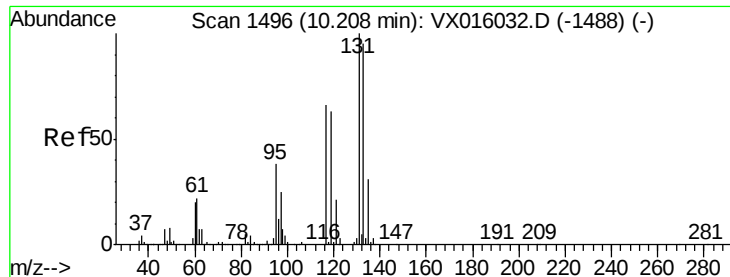


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.963 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

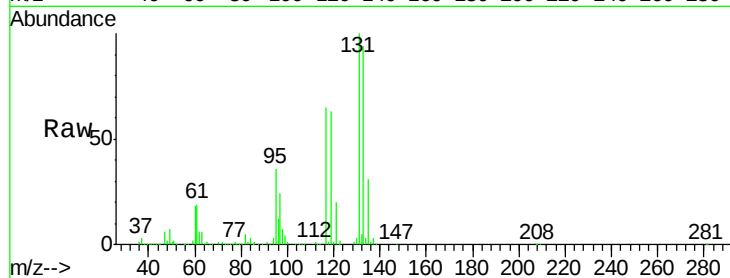
Tot Ion:131 Resp: 154435

Ion Ratio Lower Upper

131 100

133 95.1 48.3 144.8

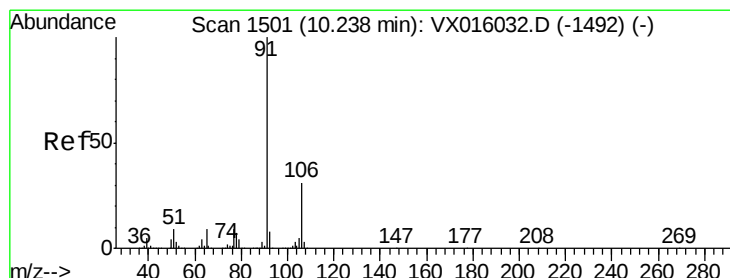
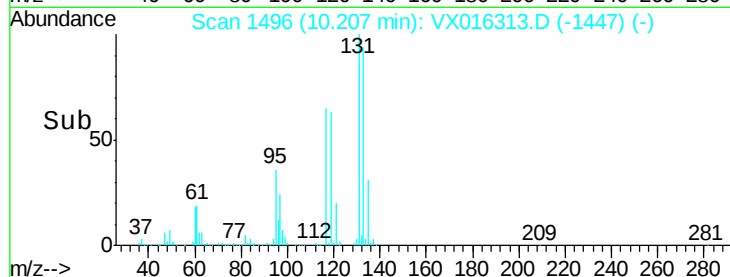
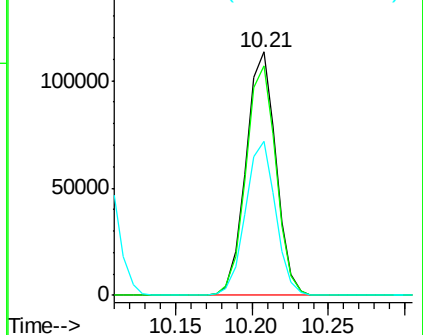
119 63.0 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.459 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016313.D

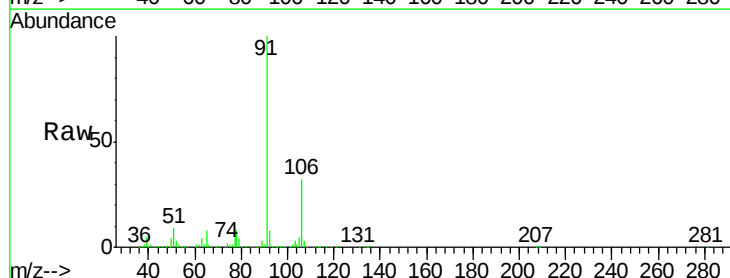
Acq: 18 May 2020 21:05

Tgt Ion: 91 Resp: 723939

Ion Ratio Lower Upper

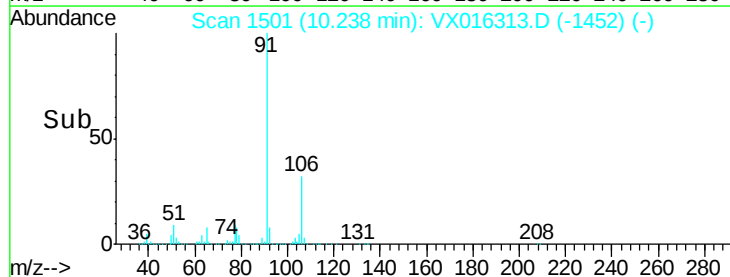
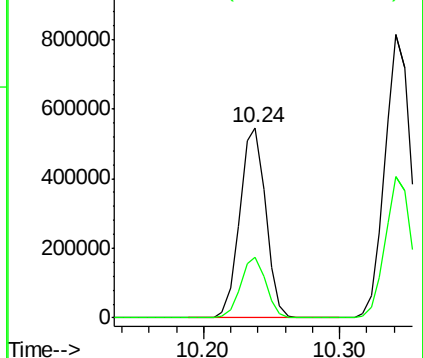
91 100

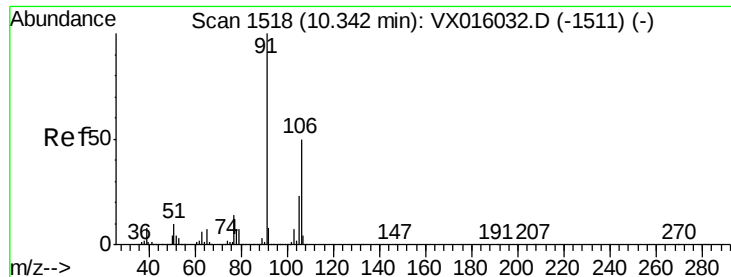
106 32.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 100.752 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

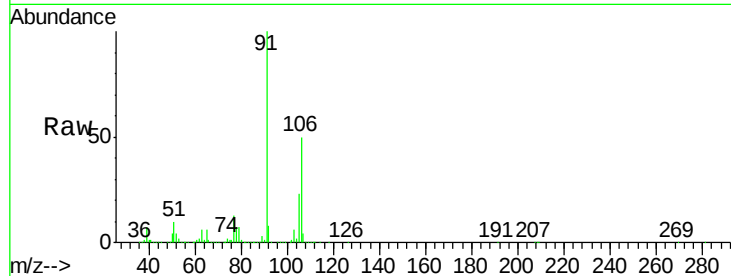
WP021MW173-200514MSD

Tot Ion:106 Resp: 541572

Ion Ratio Lower Upper

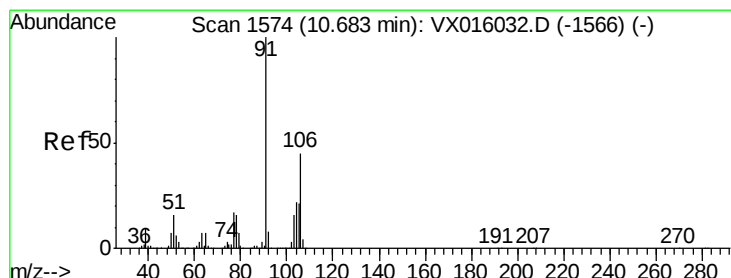
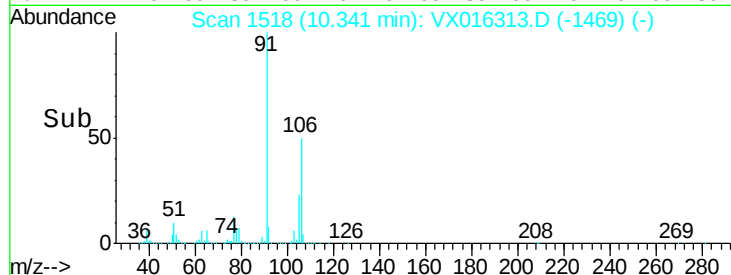
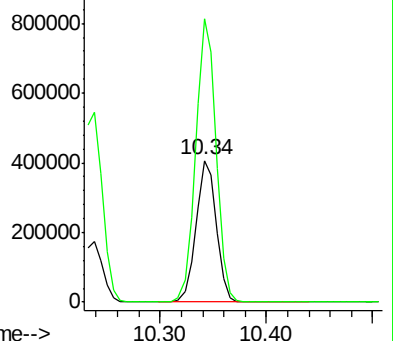
106 100

91 200.4 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 51.205 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016313.D

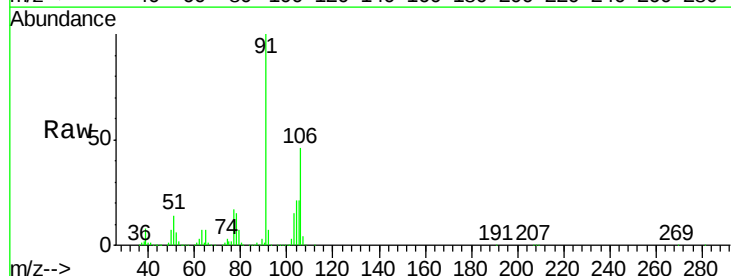
Acq: 18 May 2020 21:05

Tgt Ion:106 Resp: 264571

Ion Ratio Lower Upper

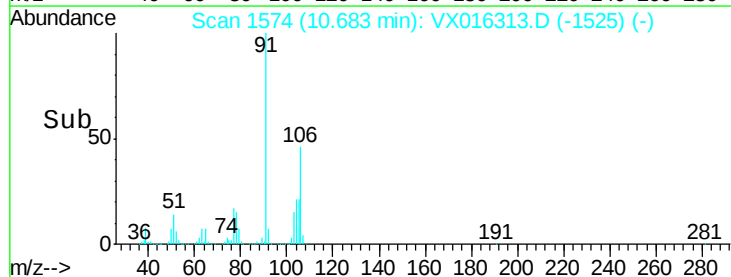
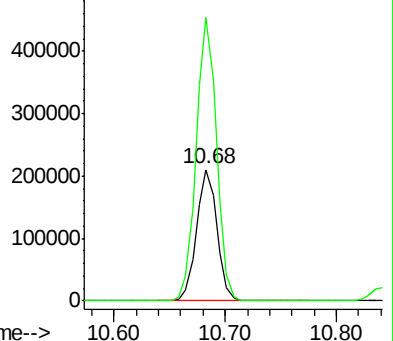
106 100

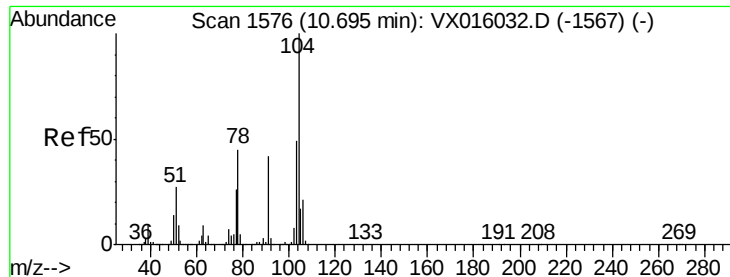
91 215.8 107.5 322.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 52.294 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

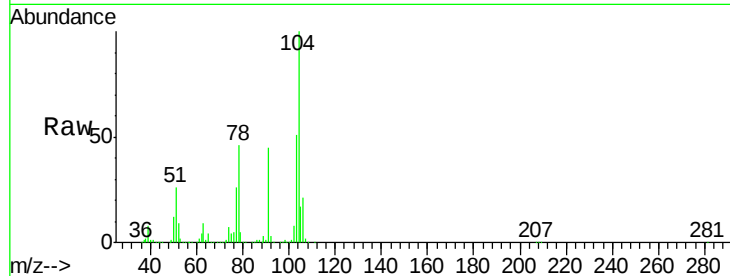
Tot Ion:104 Resp: 458392

Ion Ratio Lower Upper

104 100

78 49.5 40.2 60.2

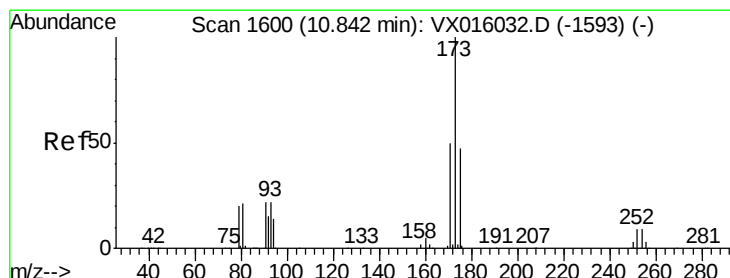
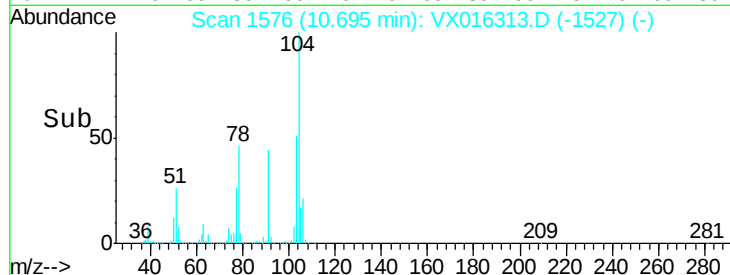
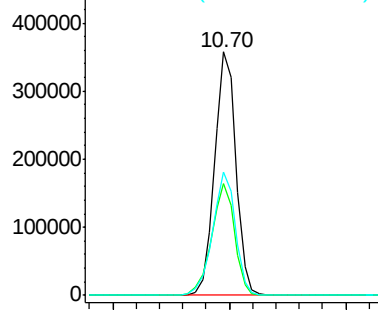
103 54.0 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 56.208 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

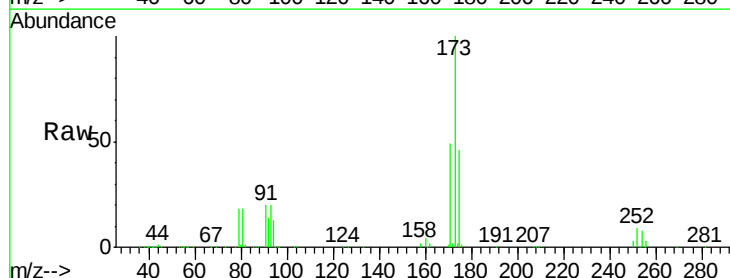
Tgt Ion:173 Resp: 136101

Ion Ratio Lower Upper

173 100

175 47.8 24.0 72.0

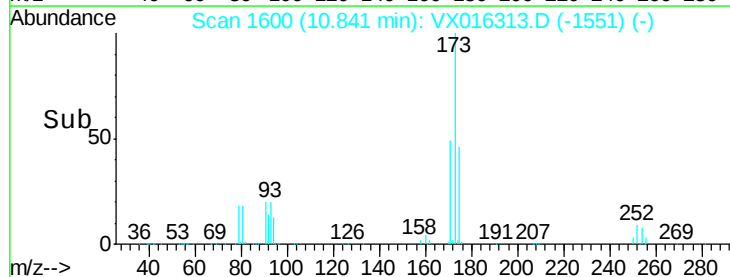
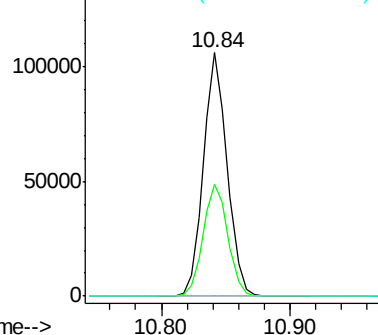
254 0.1 0.1 0.1#

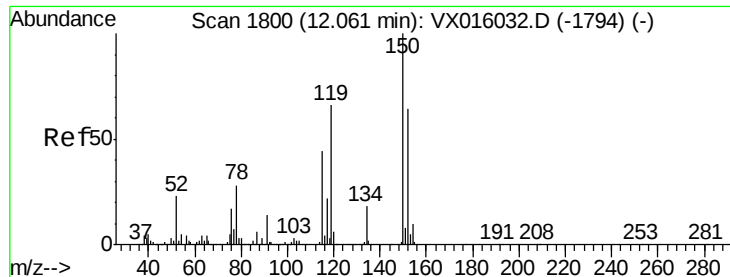


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

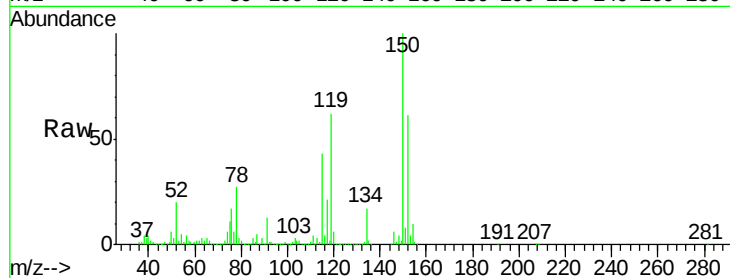
Tot Ion:152 Resp: 188620

Ion Ratio Lower Upper

152 100

115 79.1 41.3 124.1

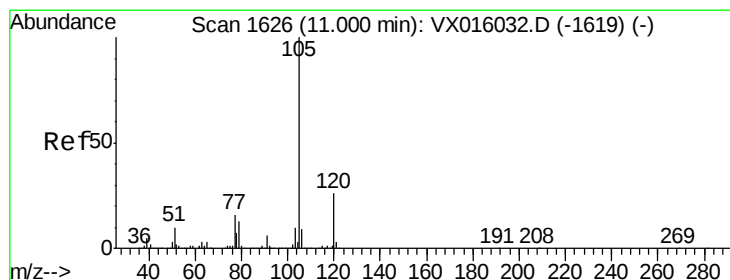
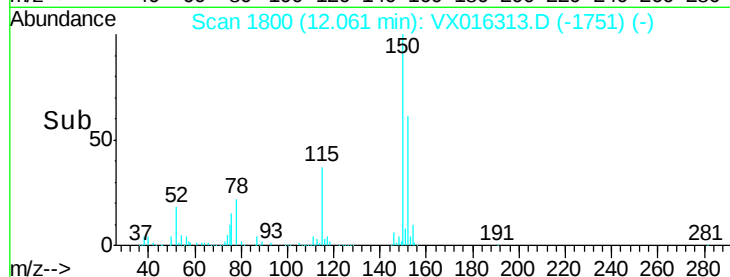
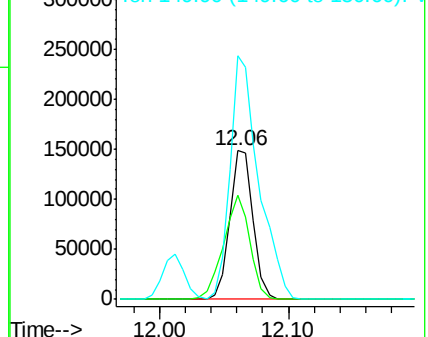
150 200.9 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.556 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016313.D

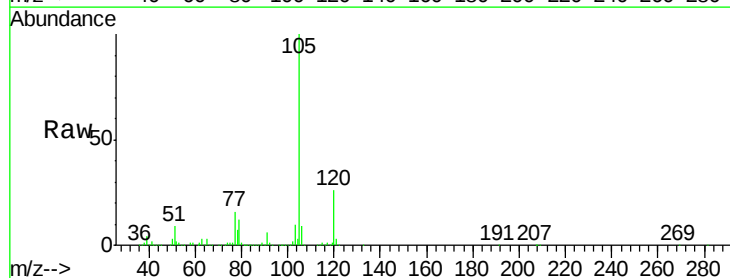
Acq: 18 May 2020 21:05

Tgt Ion:105 Resp: 707303

Ion Ratio Lower Upper

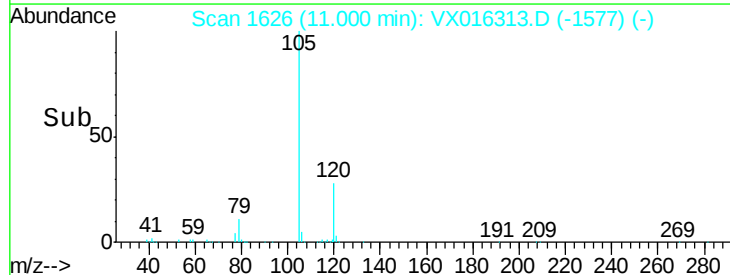
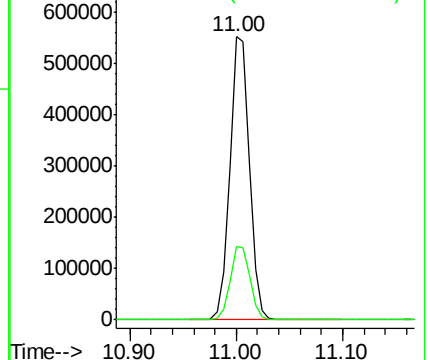
105 100

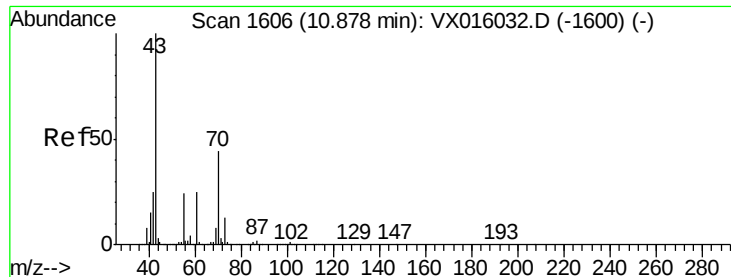
120 26.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.485 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

Tot Ion: 43 Resp: 303869

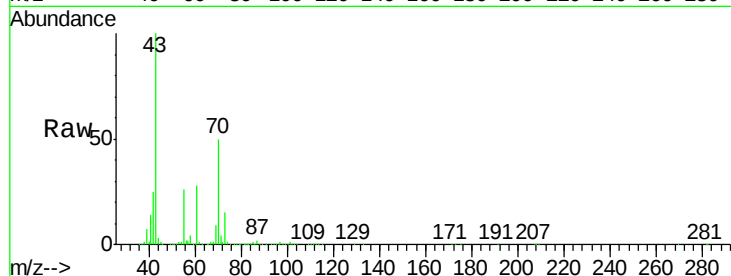
Ion Ratio Lower Upper

43 100

70 48.4 36.5 54.7

55 26.4 19.7 29.5

61 27.2 20.9 31.3

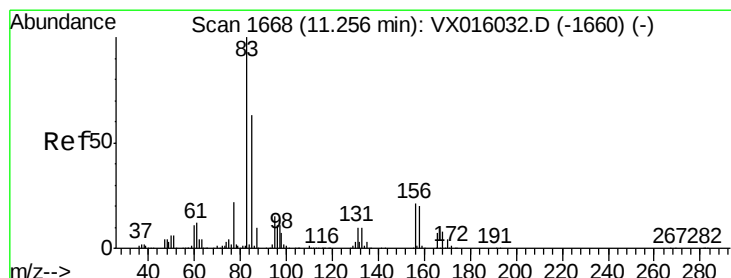
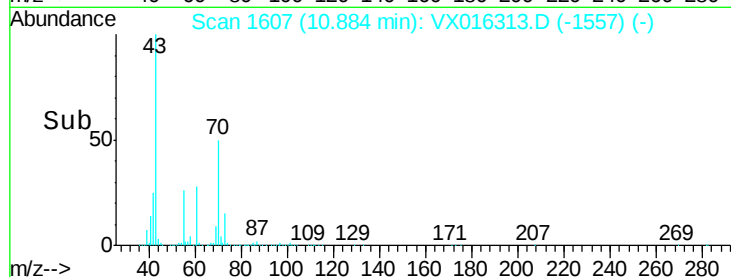
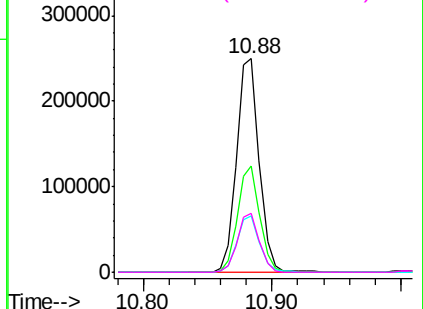


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 71.017 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

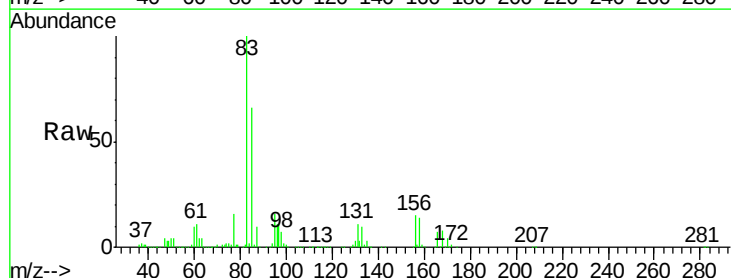
Tgt Ion: 83 Resp: 201347

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.4

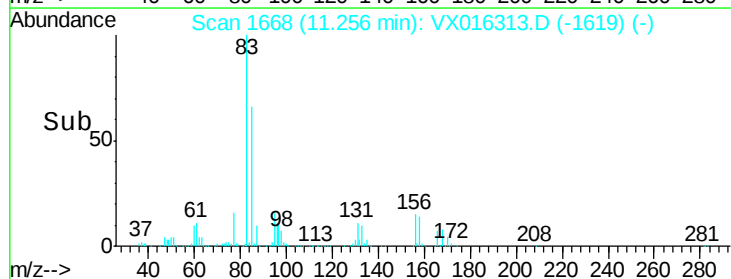
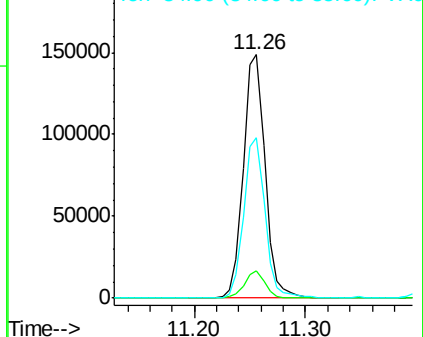
85 64.7 32.0 96.0

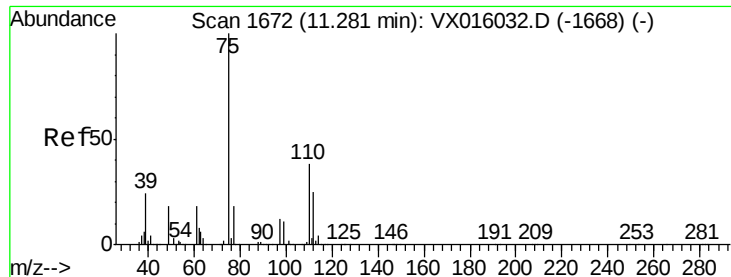


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 68.500 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

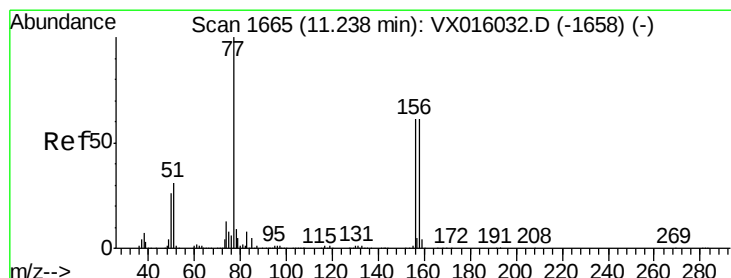
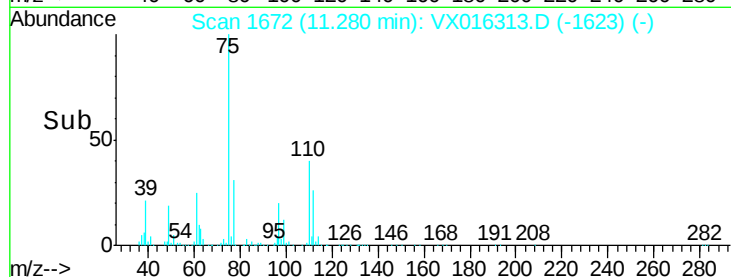
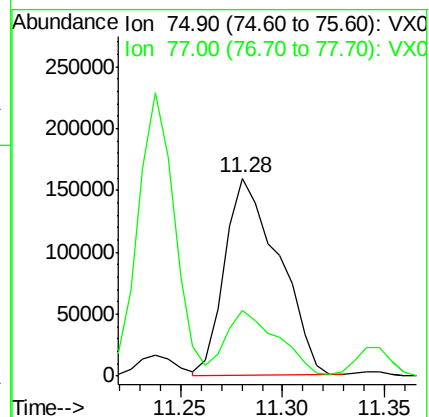
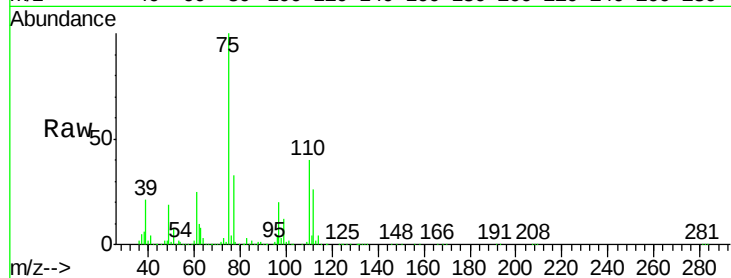
WP021MW173-200514MSD

Tot Ion: 75 Resp: 293196

Ion Ratio Lower Upper

75 100

77 32.3 21.2 63.6



#77

Bromobenzene

Concen: 50.200 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

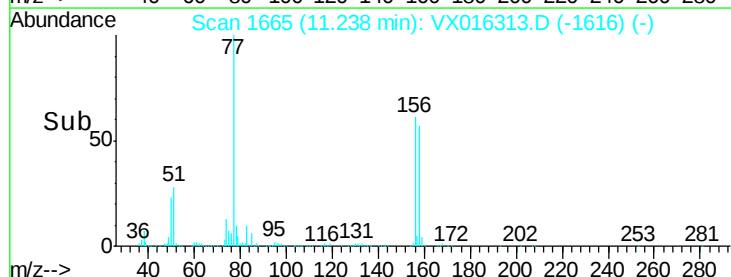
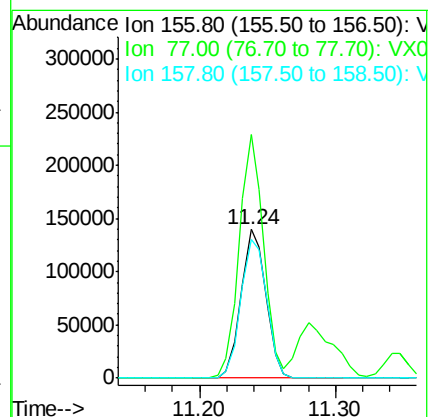
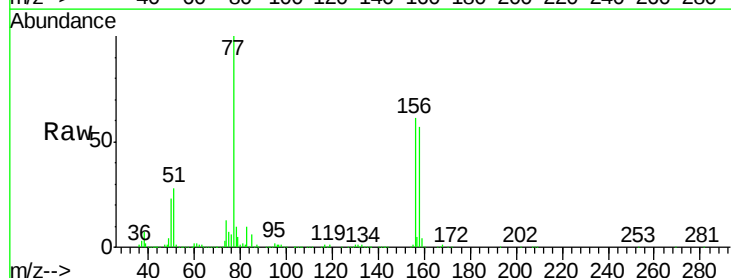
Tgt Ion: 156 Resp: 177766

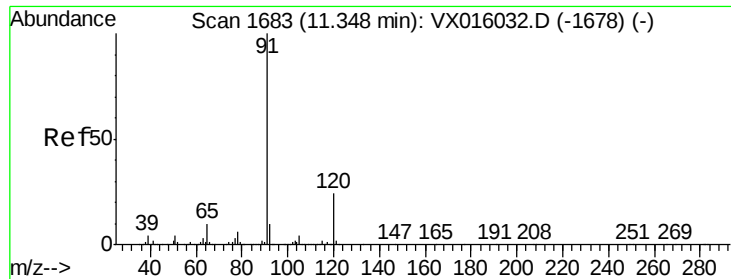
Ion Ratio Lower Upper

156 100

77 160.2 80.1 240.3

158 96.8 49.4 148.2





#78

n-propylbenzene

Concen: 48.364 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

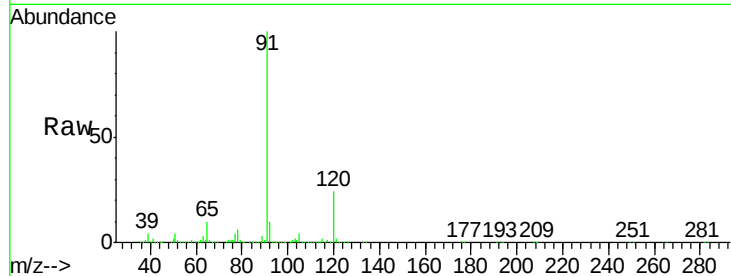
WP021MW173-200514MSD

Tot Ion: 91 Resp: 771889

Ion Ratio Lower Upper

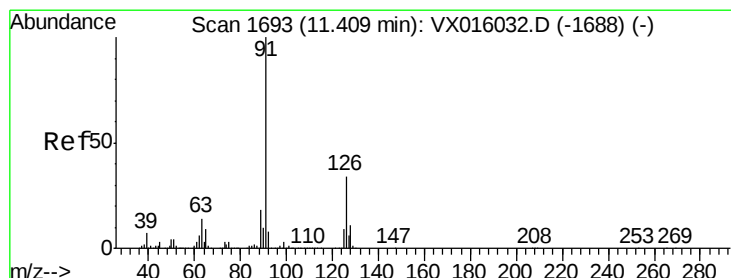
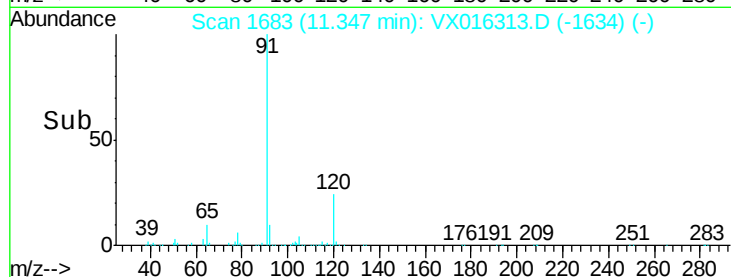
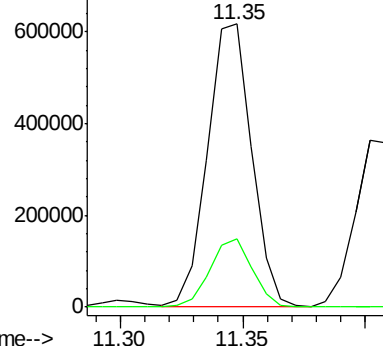
91 100

120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 49.903 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016313.D

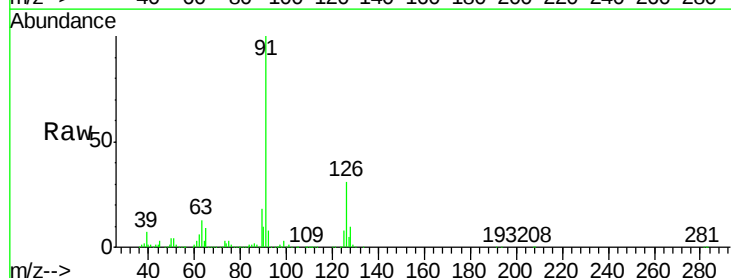
Acq: 18 May 2020 21:05

Tgt Ion: 91 Resp: 470126

Ion Ratio Lower Upper

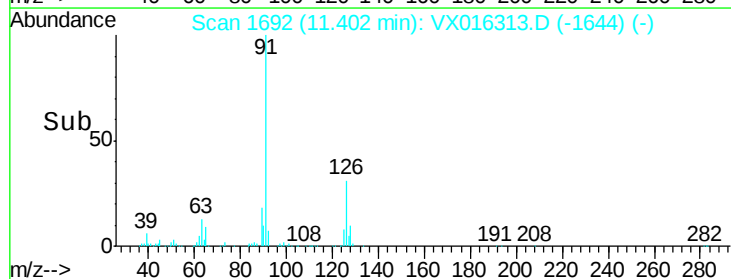
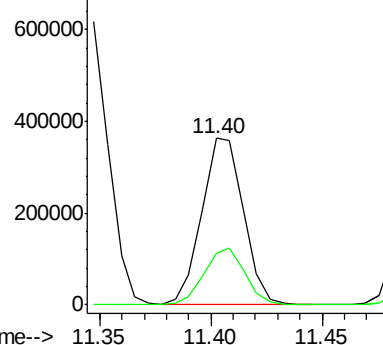
91 100

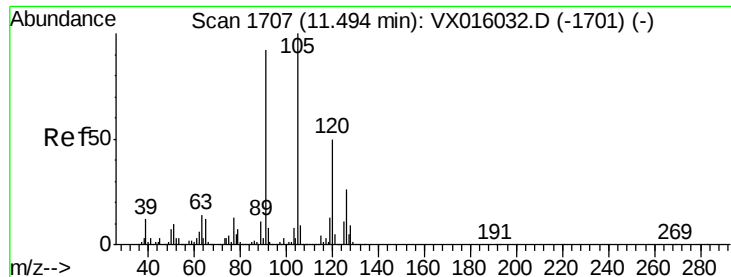
126 33.5 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

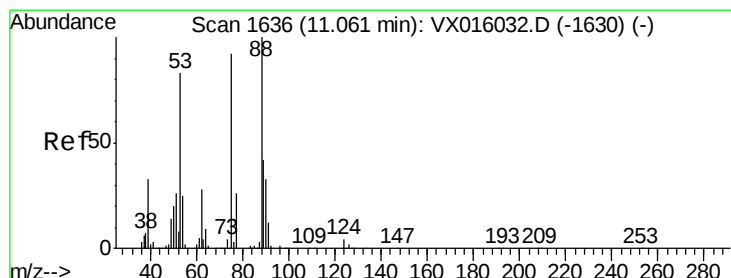
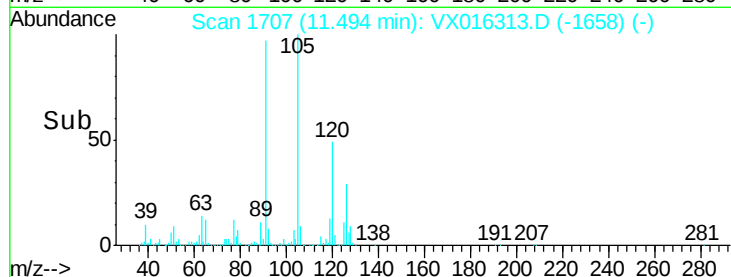
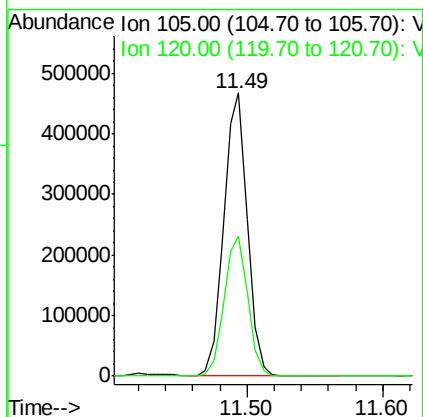
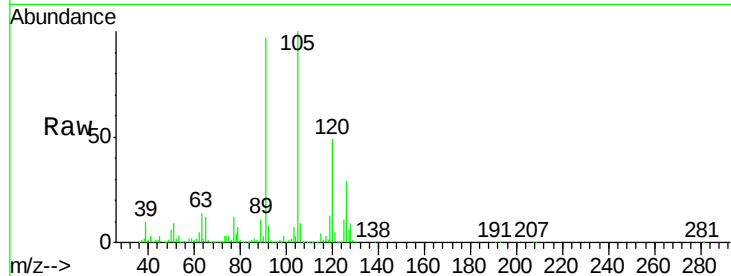




#80
 1,3,5-Trimethylbenzene
 Concen: 48.061 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

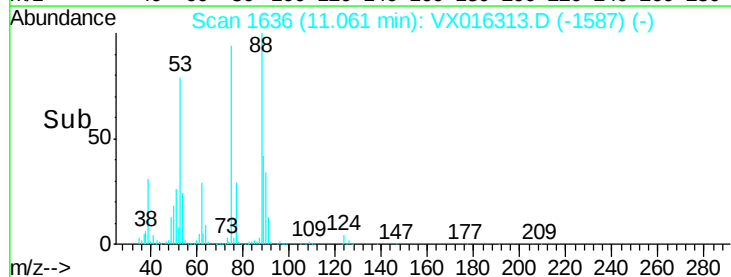
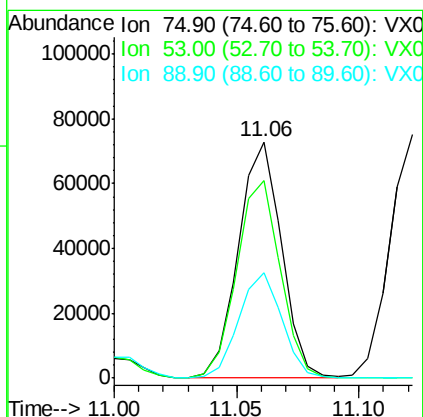
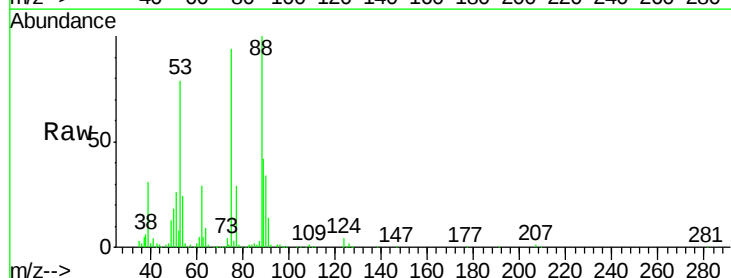
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

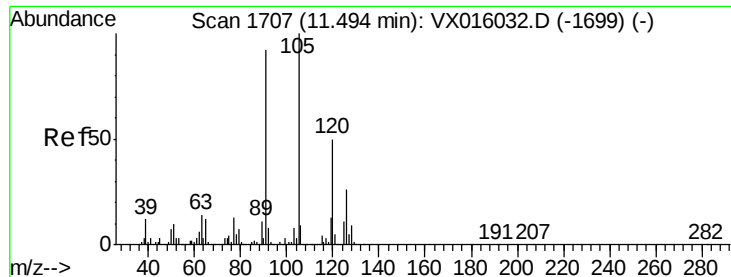
Tot Ion:105 Resp: 556717
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.381 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion: 75 Resp: 88692
 Ion Ratio Lower Upper
 75 100
 53 85.3 73.1 109.7
 89 45.0 36.7 55.1

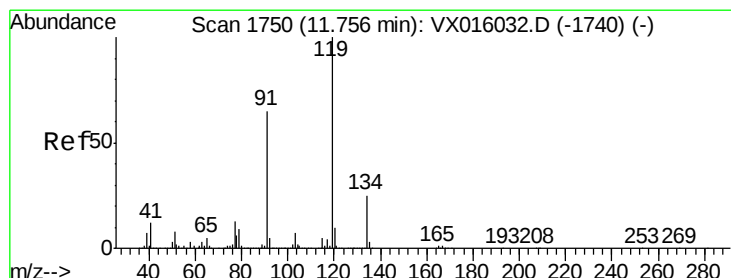
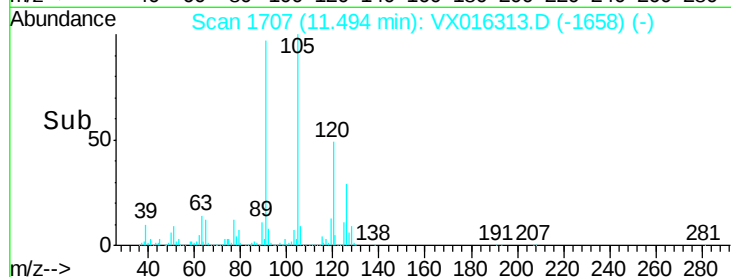
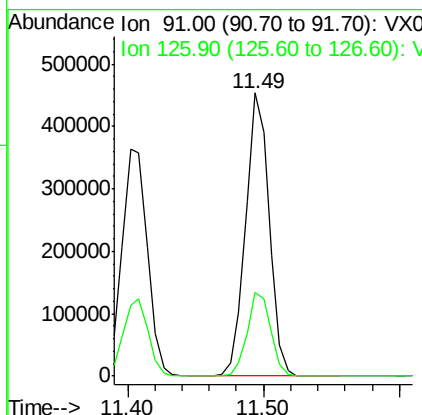
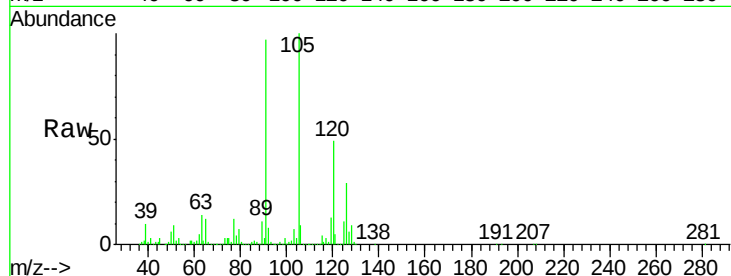




#82
4-Chlorotoluene
Concen: 49.482 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

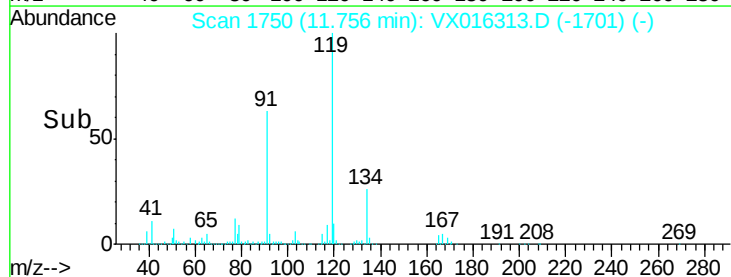
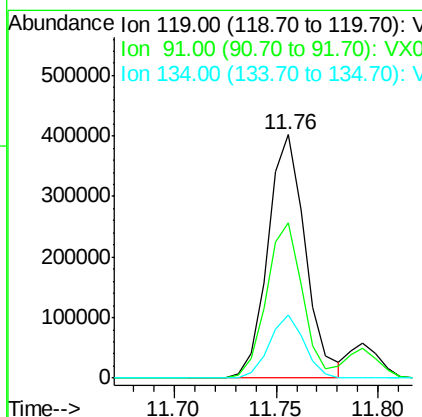
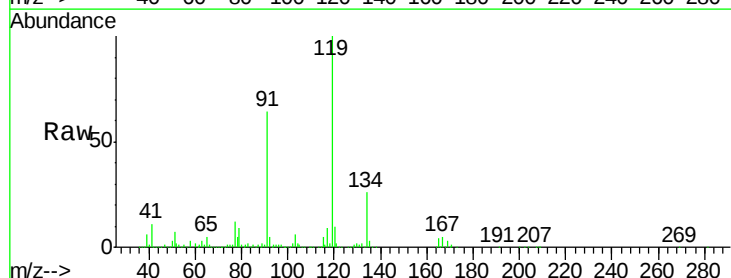
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514MSD

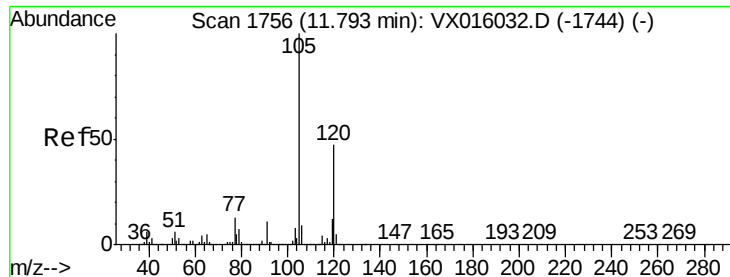
Tot Ion: 91 Resp: 550480
Ion Ratio Lower Upper
91 100
126 29.6 14.8 44.3



#83
tert-Butylbenzene
Concen: 51.500 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016313.D
Acq: 18 May 2020 21:05

Tgt Ion: 119 Resp: 514107
Ion Ratio Lower Upper
119 100
91 60.8 32.8 98.4
134 24.2 12.4 37.0





#84

1,2,4-Trimethylbenzene

Concen: 49.230 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

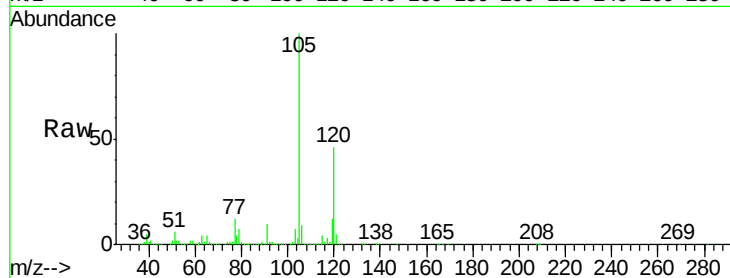
WP021MW173-200514MSD

Tot Ion:105 Resp: 576520

Ion Ratio Lower Upper

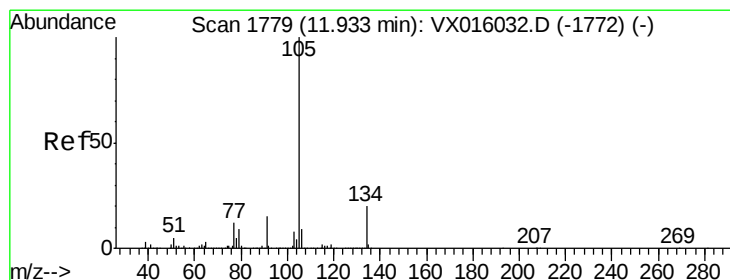
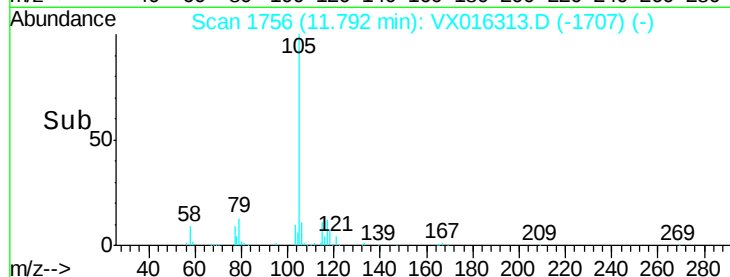
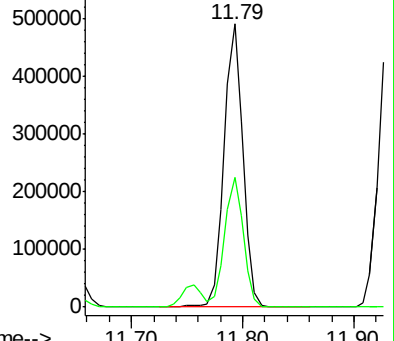
105 100

120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 44.006 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016313.D

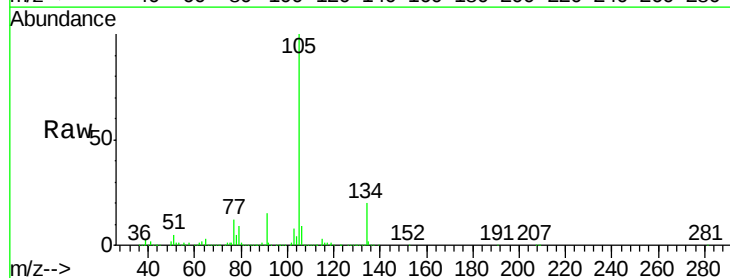
Acq: 18 May 2020 21:05

Tgt Ion:105 Resp: 593129

Ion Ratio Lower Upper

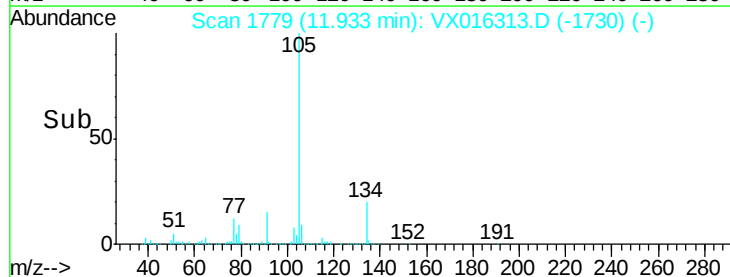
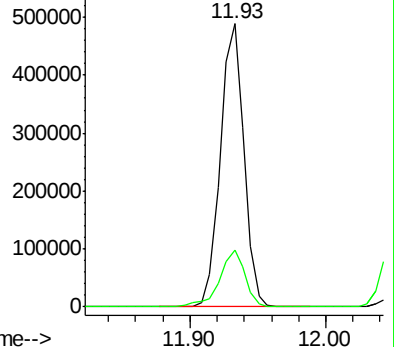
105 100

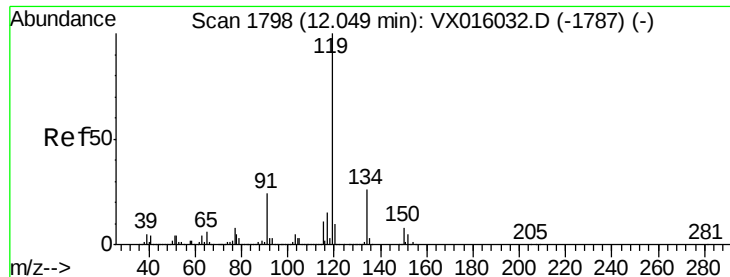
134 21.8 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

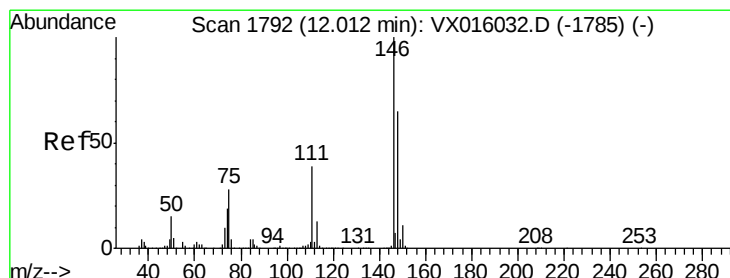
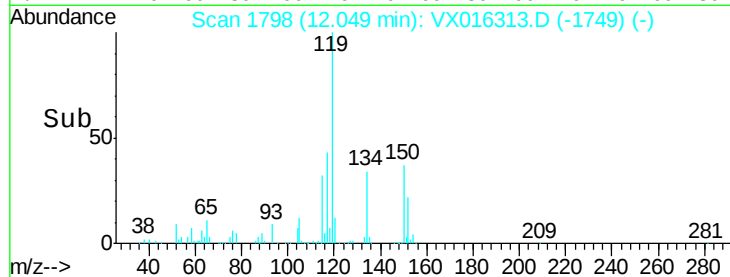
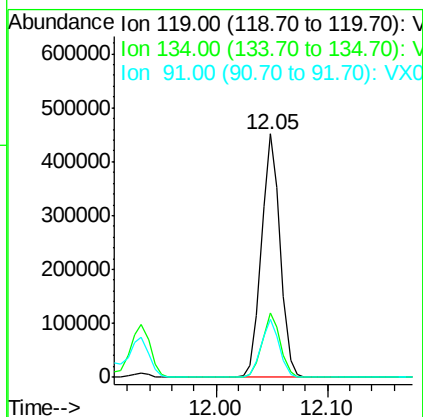
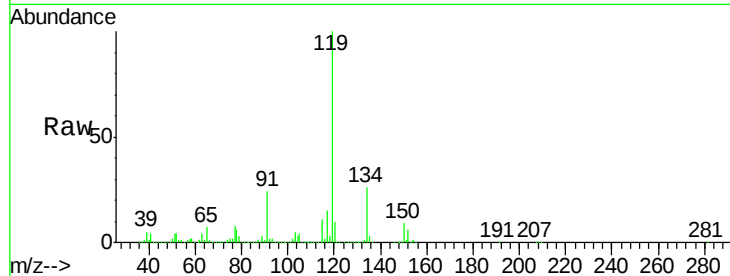




#86
 p-Isopropyltoluene
 Concen: 42.528 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

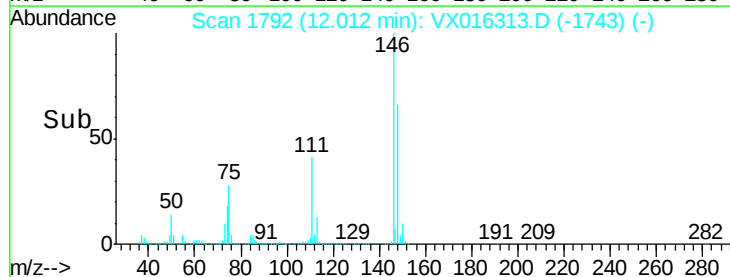
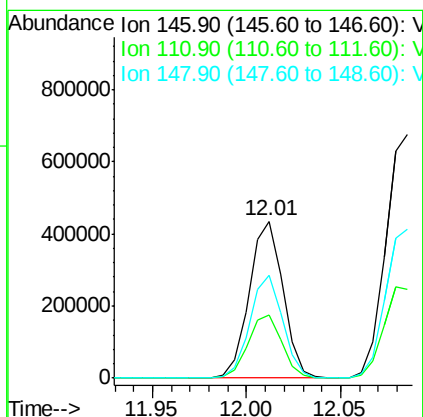
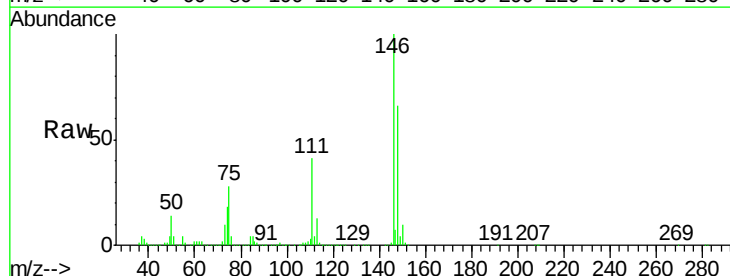
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

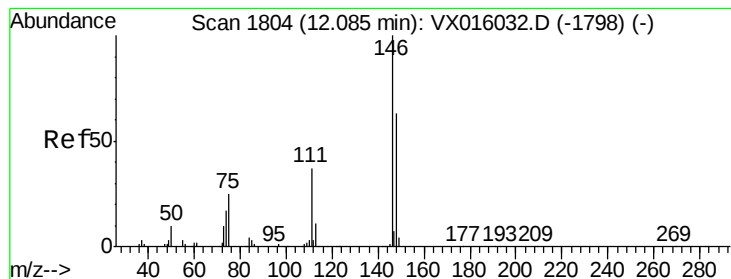
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	23.1	11.8	35.4



#87
 1,3-Dichlorobenzene
 Concen: 84.897 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	63.8	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 128.665 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

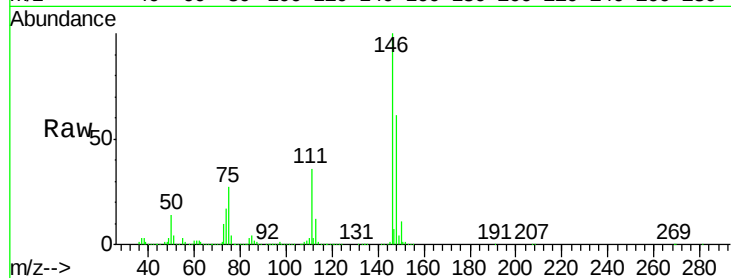
Tot Ion:146 Resp: 830332

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

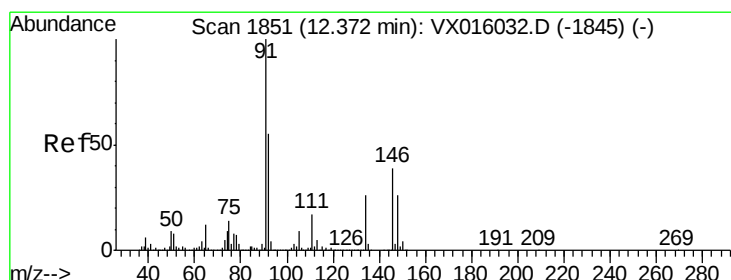
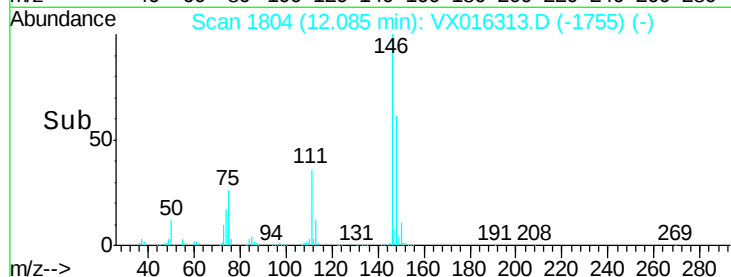
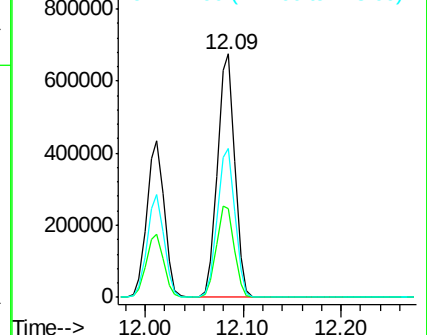
148 62.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 38.103 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

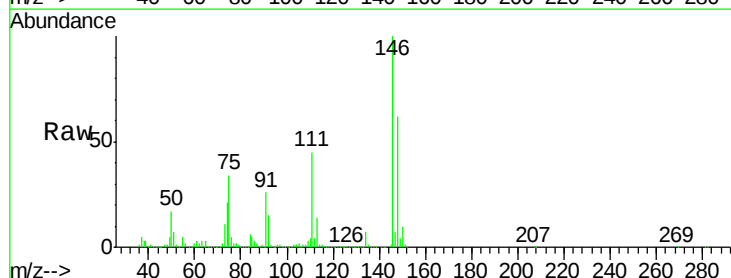
Tgt Ion: 91 Resp: 435604

Ion Ratio Lower Upper

91 100

92 55.3 27.6 82.7

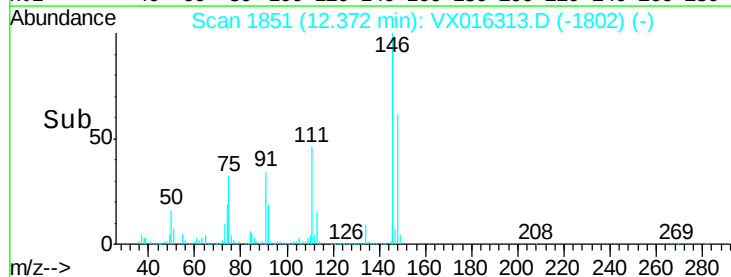
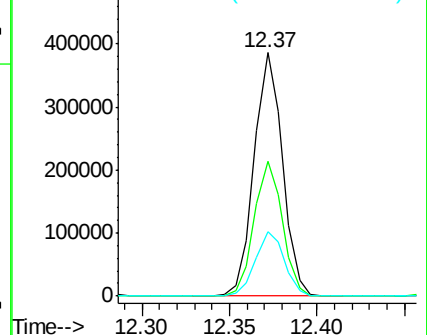
134 27.2 13.4 40.1

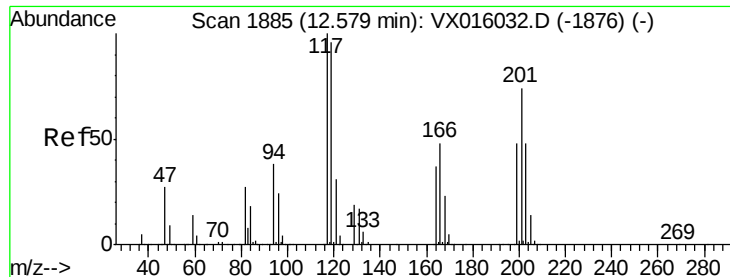


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 43.842 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

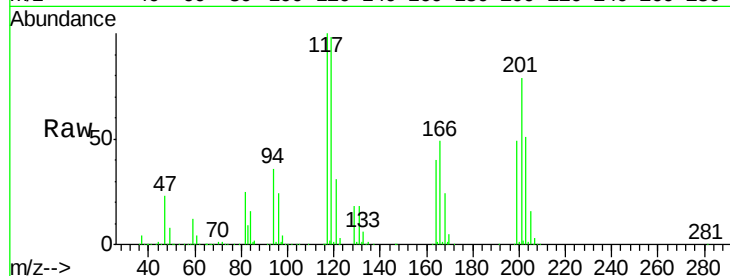
WP021MW173-200514MSD

Tot Ion:117 Resp: 94224

Ion Ratio Lower Upper

117 100

201 82.9 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.58

80000

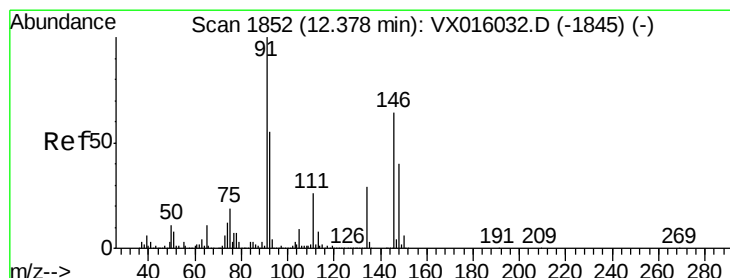
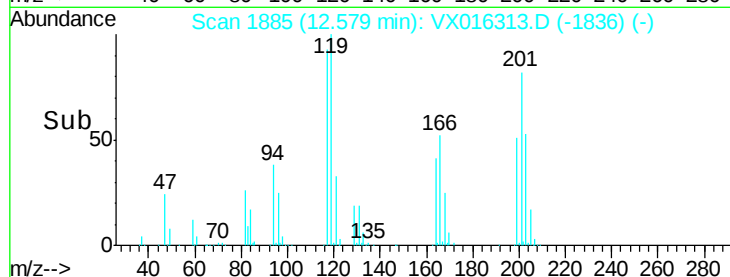
60000

40000

20000

0

Time--> 12.50 12.55 12.60 12.65



#91

1,2-Dichlorobenzene

Concen: 383.020 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

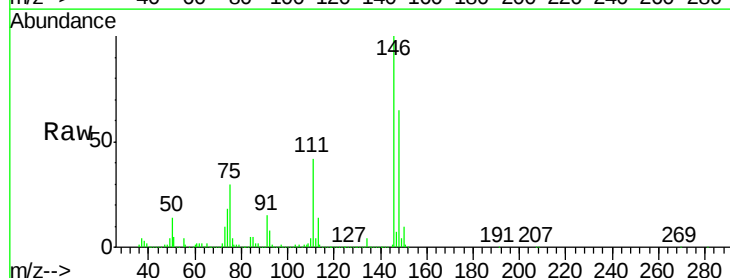
Tgt Ion:146 Resp: 2344982

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.1

148 63.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.38

2500000

2000000

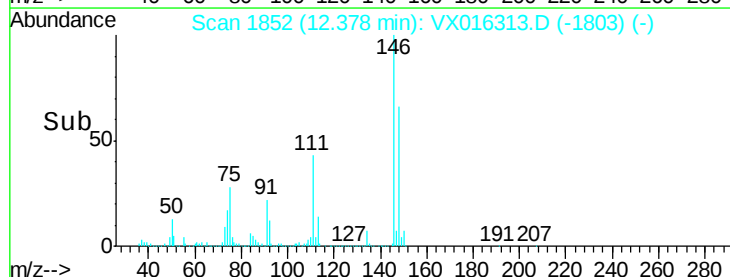
1500000

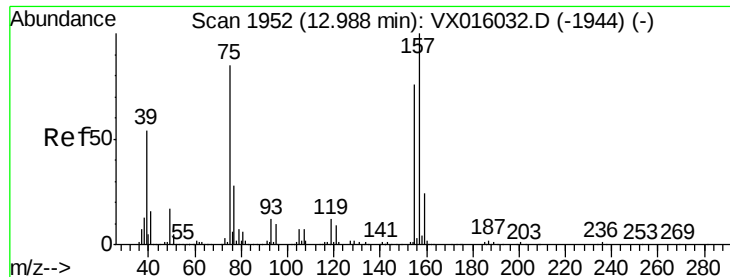
1000000

500000

0

Time--> 12.30 12.40 12.50





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.796 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

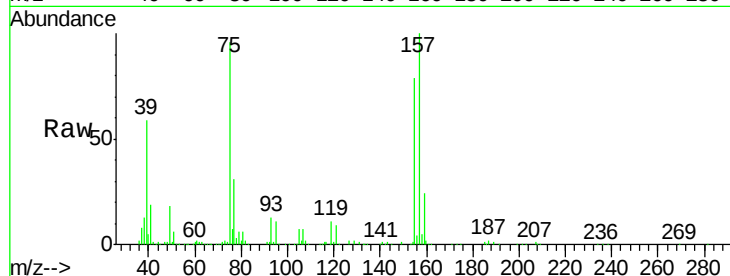
Tot Ion: 75 Resp: 57302

Ion Ratio Lower Upper

75 100

155 90.5 42.5 127.5

157 114.2 55.3 165.8



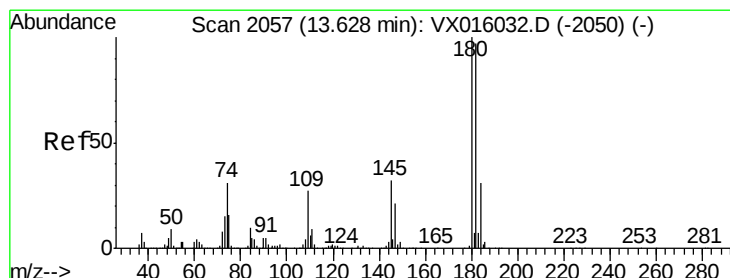
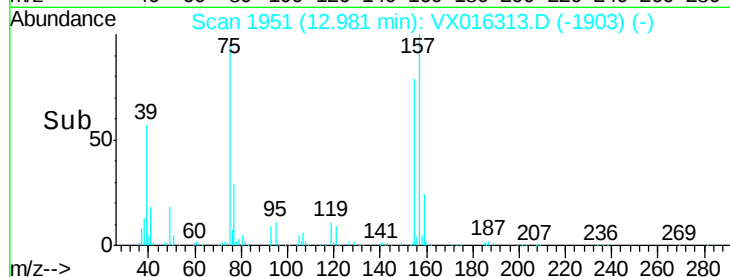
Abundance Ion 74.90 (74.60 to 75.60): VX016313.D (-1903) (-)

Ion 154.80 (154.50 to 155.50): VX016313.D (-1903) (-)

Ion 156.80 (156.50 to 157.50): VX016313.D (-1903) (-)

12.98

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 42.830 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

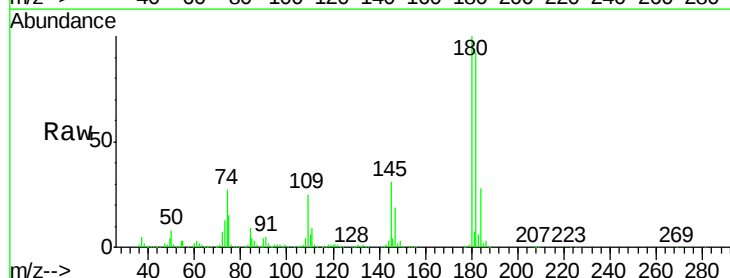
Tgt Ion: 180 Resp: 194140

Ion Ratio Lower Upper

180 100

182 95.9 48.7 146.1

145 31.3 15.7 47.1



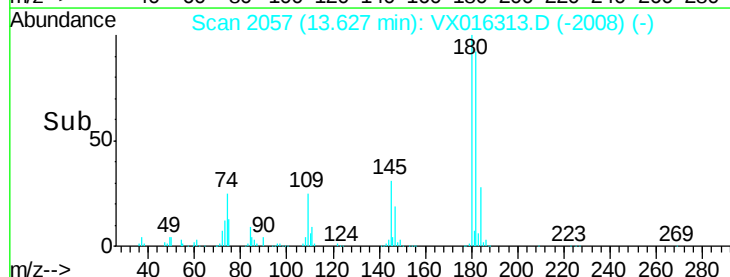
Abundance Ion 179.80 (179.50 to 180.50): VX016313.D (-2008) (-)

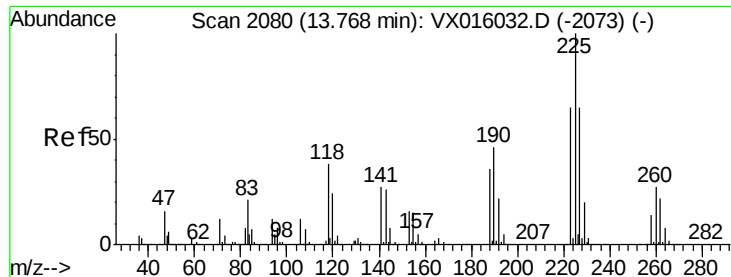
Ion 181.80 (181.50 to 182.50): VX016313.D (-2008) (-)

Ion 144.80 (144.50 to 145.50): VX016313.D (-2008) (-)

13.63

Time-->





#94

Hexachlorobutadiene

Concen: 33.486 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514MSD

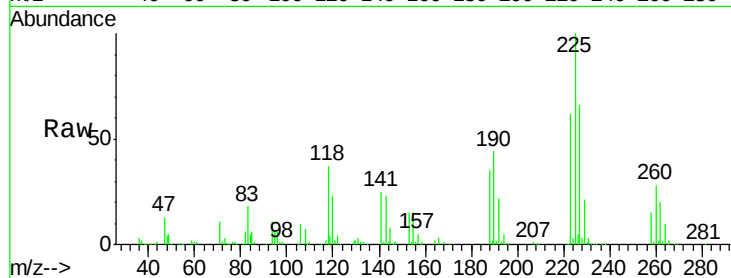
Tot Ion:225 Resp: 65017

Ion Ratio Lower Upper

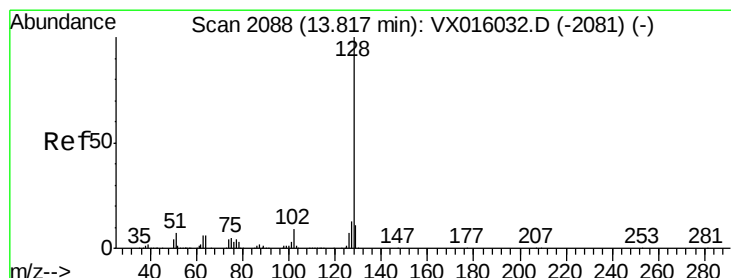
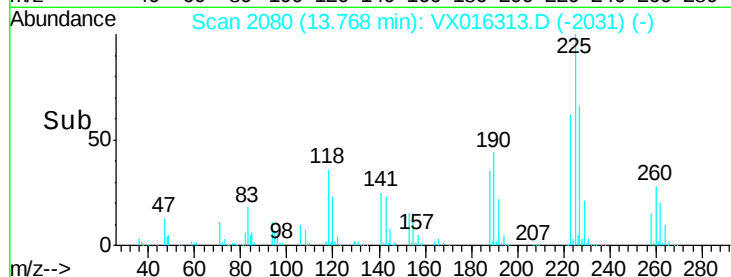
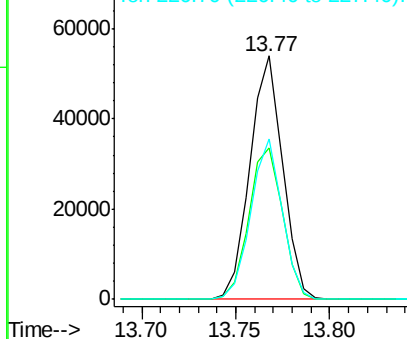
225 100

223 64.1 32.3 96.9

227 63.6 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.170 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016313.D

Acq: 18 May 2020 21:05

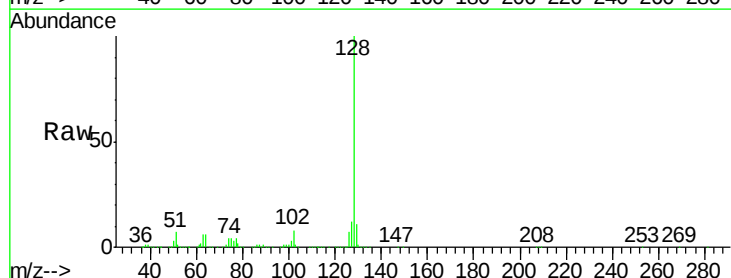
Tgt Ion:128 Resp: 765696

Ion Ratio Lower Upper

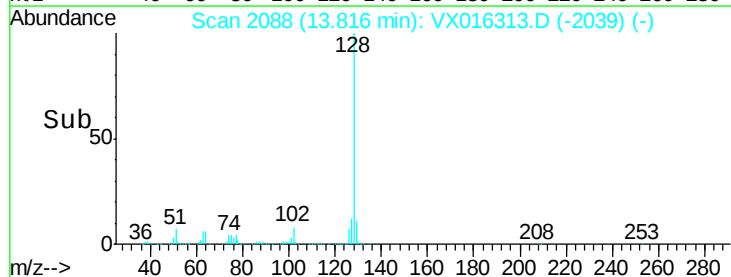
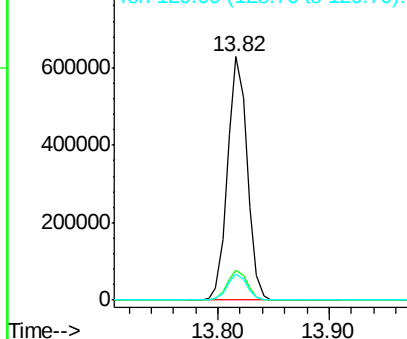
128 100

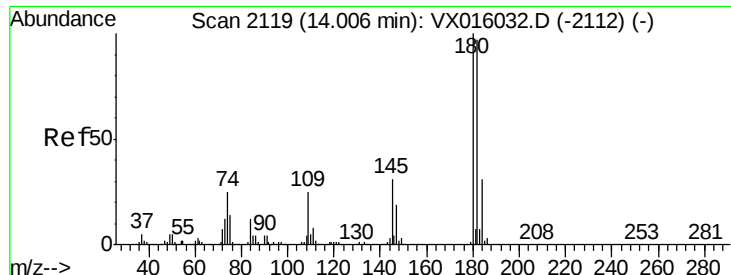
127 12.6 10.2 15.4

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 43.808 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016313.D
 Acq: 18 May 2020 21:05

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.4	145.0
145	33.8	16.4	49.1

