

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
 Data File : VX016828.D
 Acq On : 17 Jun 2020 19:36
 Operator : JC/SP
 Sample : L3032-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW100-200616

Quant Time: Jun 18 00:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	251569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	426819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	166256	58.75	ug/l	0.00
Spiked Amount			Recovery	=	117.50%	
35) Dibromofluoromethane	5.46	113	121470	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
50) Toluene-d8	8.70	98	474509	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.12	95	214813	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	498	0.320	ug/l	89
3) Chloromethane	1.31	50	967	0.352	ug/l #	83
4) Vinyl Chloride	1.39	62	4931344	1682.891	ug/l	96
5) Bromomethane	1.64	94	547	0.301	ug/l #	49
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1321	0.615	ug/l #	39
11) Tert butyl alcohol	3.00	59	4031	5.671	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	525864	213.870	ug/l	97
13) Acrolein	2.28	56	486	3.897	ug/l	84
15) Acrylonitrile	3.12	53	739	0.512	ug/l #	70
16) Acetone	2.42	43	4245	3.307	ug/l	92
17) Carbon Disulfide	2.55	76	4760	0.676	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	38251	14.477	ug/l	99
22) Diisopropyl ether	3.83	45	26297	3.641	ug/l #	79
23) Vinyl Acetate	3.82	43	13593	2.177	ug/l #	69
24) 1,1-Dichloroethane	3.67	63	2256	0.499	ug/l	95
25) 2-Butanone	4.65	43	1548	0.800	ug/l #	78
27) cis-1,2-Dichloroethene	4.57	96	1872558	620.054	ug/l	89
31) Cyclohexane	5.55	56	24925	7.451	ug/l	97
36) 1,1-Dichloropropene	5.63	75	17009	4.509	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23577	5.504	ug/l #	16
39) Methylcyclohexane	7.44	83	27753	7.177	ug/l	98
40) Benzene	6.12	78	186992	16.282	ug/l	99
44) Trichloroethene	7.19	130	2217163	624.140	ug/l	97
45) 1,2-Dichloropropane	7.49	63	3378	1.200	ug/l	97
48) Methyl methacrylate	7.70	41	736	0.240	ug/l	93
52) Toluene	8.76	92	3438	0.461	ug/l	85
55) 1,1,2-Trichloroethane	9.20	97	2451	0.817	ug/l #	87
59) 2-Hexanone	9.48	43	973	0.316	ug/l	71
60) Dibromochloromethane	9.32	129	1244	0.351	ug/l #	11
64) Tetrachloroethene	9.32	164	1483	0.396	ug/l #	79
65) Chlorobenzene	10.12	112	9930	1.255	ug/l	93
67) Ethyl Benzene	10.23	91	6003	0.449	ug/l	100
68) m/p-Xylenes	10.34	106	1514	0.299	ug/l	98
73) Isopropylbenzene	11.00	105	9446	0.649	ug/l	92

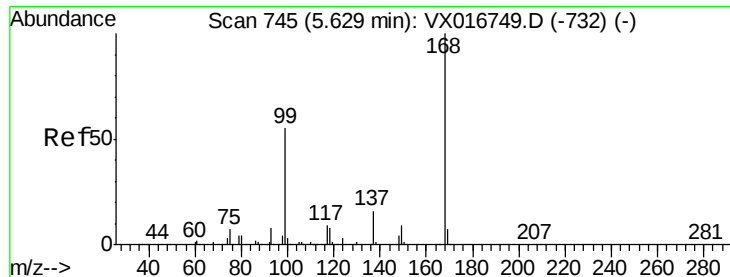
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	11.12	75	101844	21.827	ug/l #	37
78) n-propylbenzene	11.35	91	3215	0.203	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	101844	54.949	ug/l #	13
85) sec-Butylbenzene	11.93	105	2885	0.221	ug/l	90
87) 1,3-Dichlorobenzene	12.01	146	2864	0.412	ug/l	94
88) 1,4-Dichlorobenzene	12.01	146	2864	0.397	ug/l	94
89) n-Butylbenzene	12.37	91	2881	0.278	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	21504	3.094	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	1965	0.404	ug/l	97
94) Hexachlorobutadiene	13.77	225	1029	0.890	ug/l	89
95) Naphthalene	13.82	128	4059	0.266	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1585	0.331	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

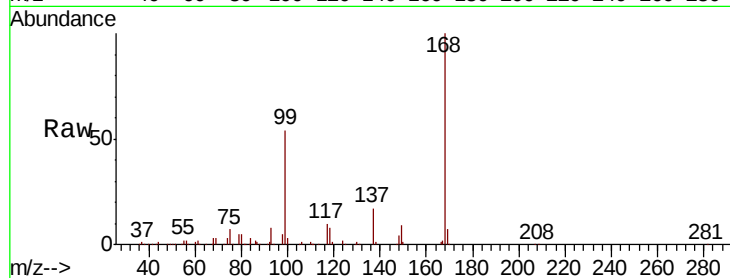
LF015MW100-200616

Tot Ion:168 Resp: 251569

Ion Ratio Lower Upper

168 100

99 54.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

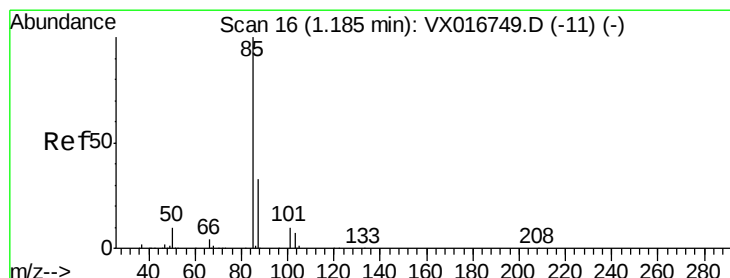
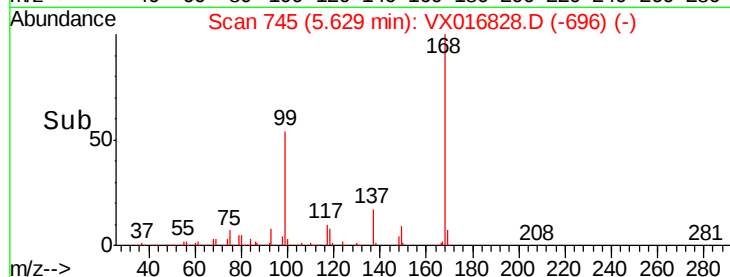
40000

20000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.320 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016828.D

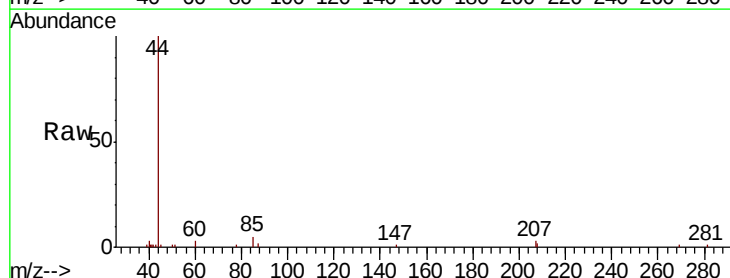
Acq: 17 Jun 2020 19:36

Tgt Ion: 85 Resp: 498

Ion Ratio Lower Upper

85 100

87 39.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

500

400

300

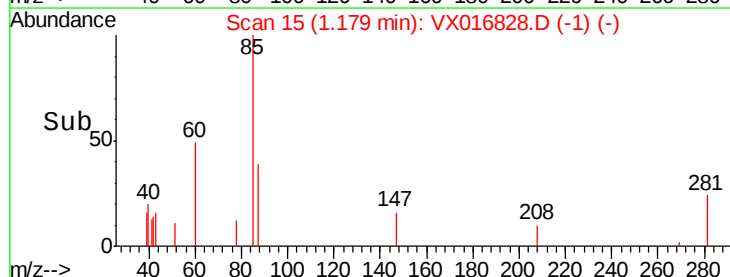
200

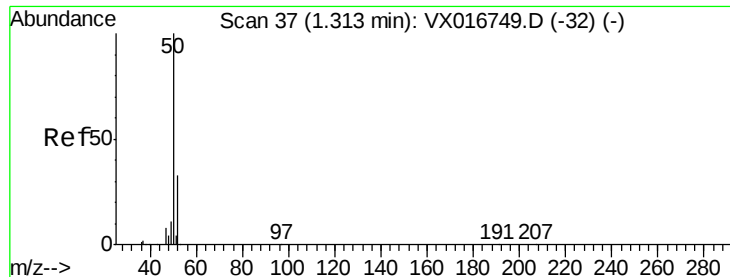
100

0

1.14 1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.352 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

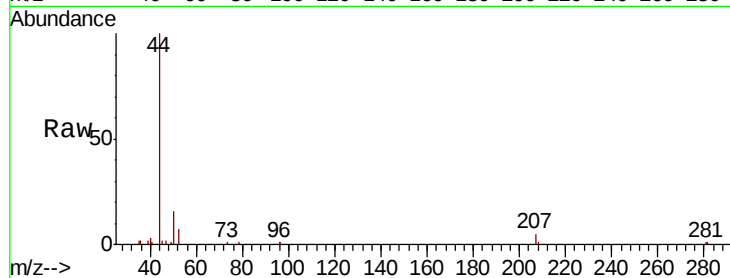
LF015MW100-200616

Tot Ion: 50 Resp: 967

Ion Ratio Lower Upper

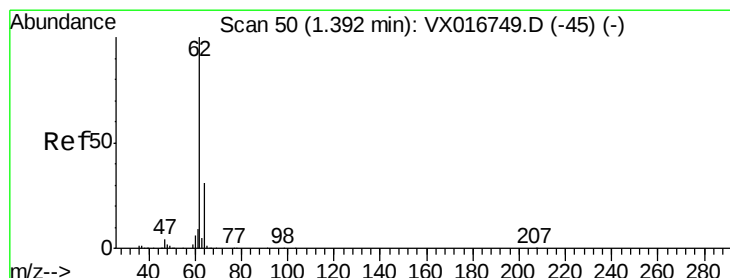
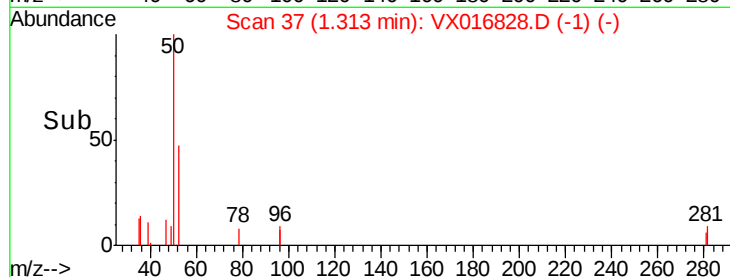
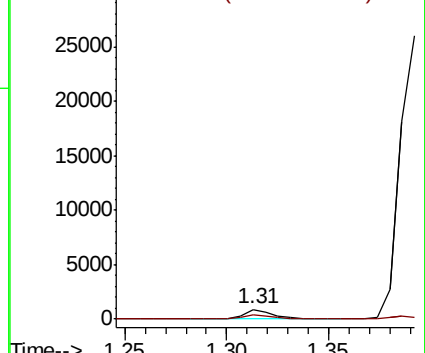
50 100

52 43.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1682.891 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016828.D

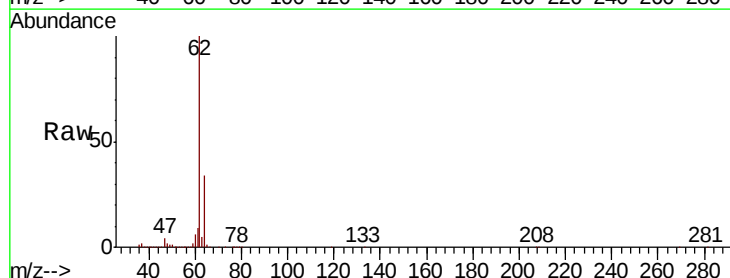
Acq: 17 Jun 2020 19:36

Tgt Ion: 62 Resp: 4931344

Ion Ratio Lower Upper

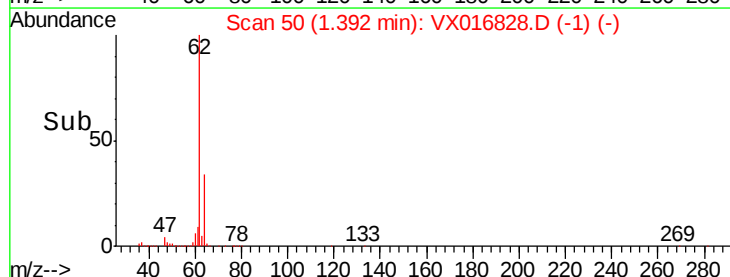
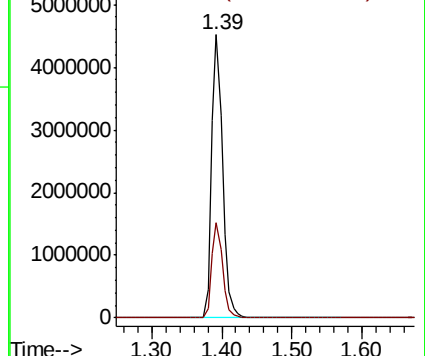
62 100

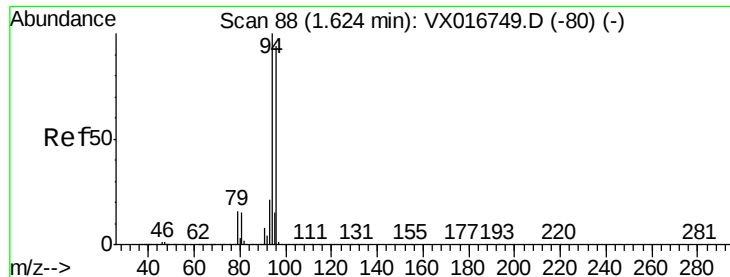
64 33.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.301 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

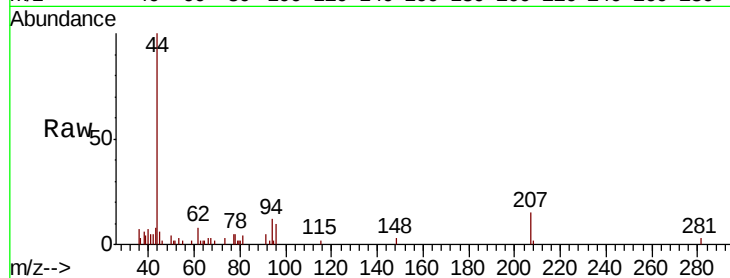
LF015MW100-200616

Tot Ion: 94 Resp: 547

Ion Ratio Lower Upper

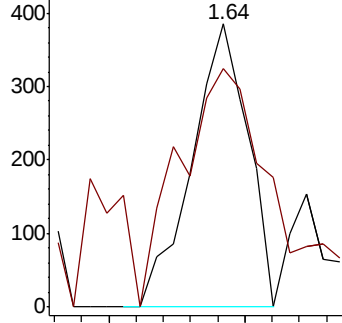
94 100

96 45.2 75.4 113.0#

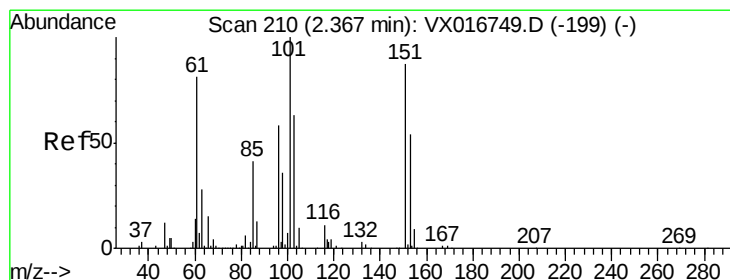
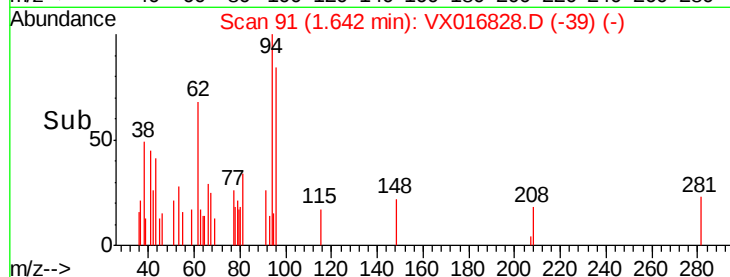


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.615 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

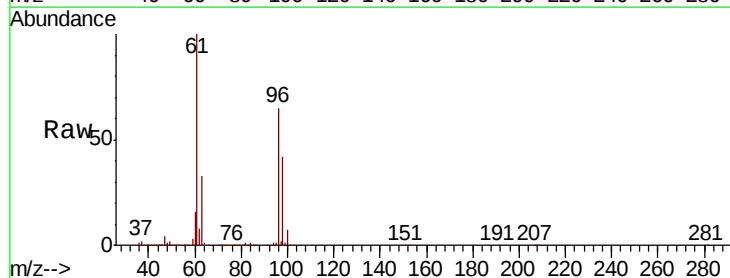
Tgt Ion:101 Resp: 1321

Ion Ratio Lower Upper

101 100

85 25.5 34.0 51.0#

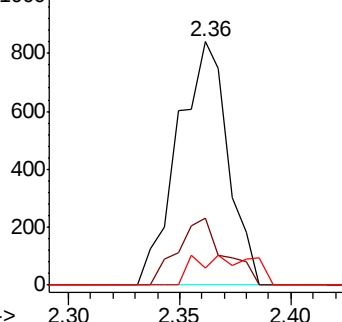
151 14.2 68.7 103.1#



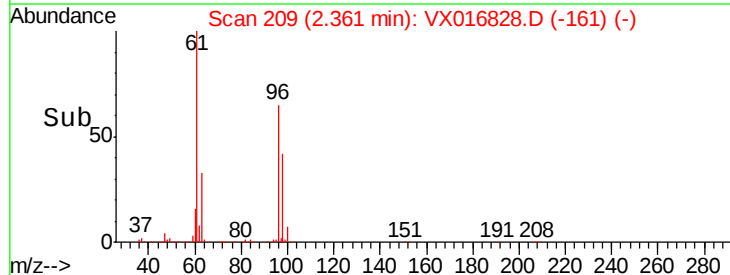
Abundance Ion 100.90 (100.60 to 101.60): V

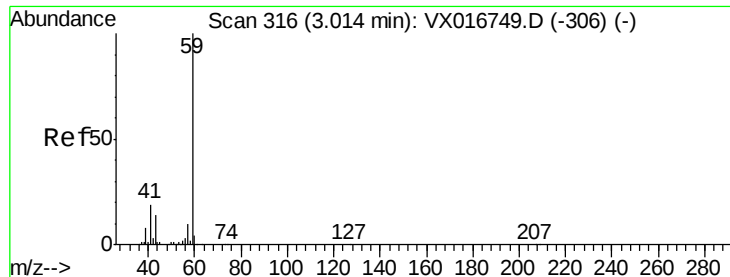
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->

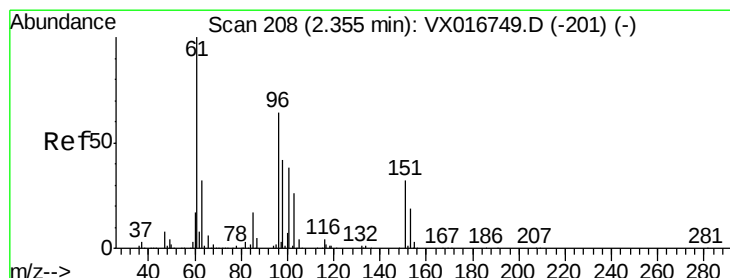
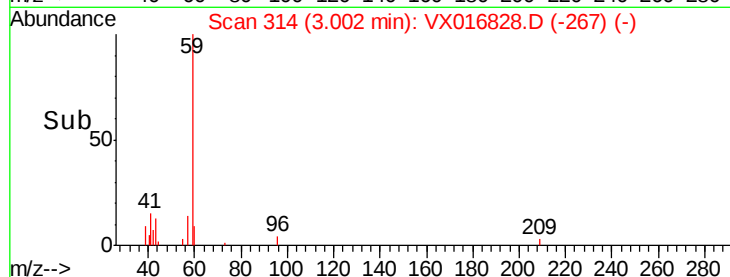
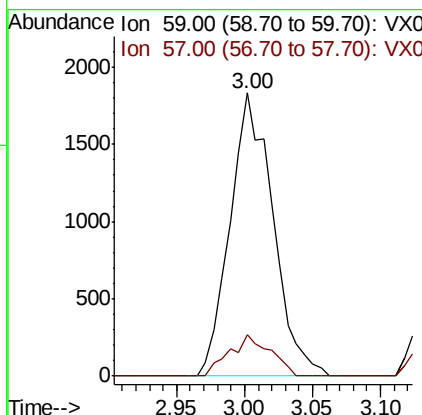
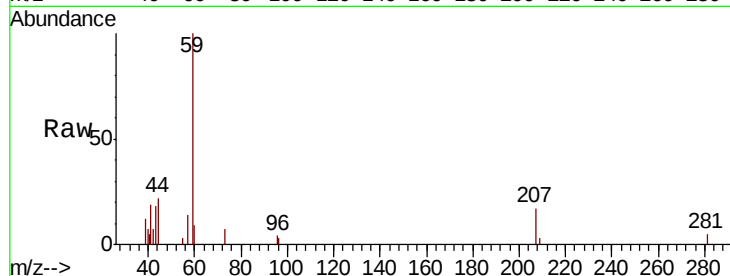




#11
Tert butyl alcohol
Concen: 5.671 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

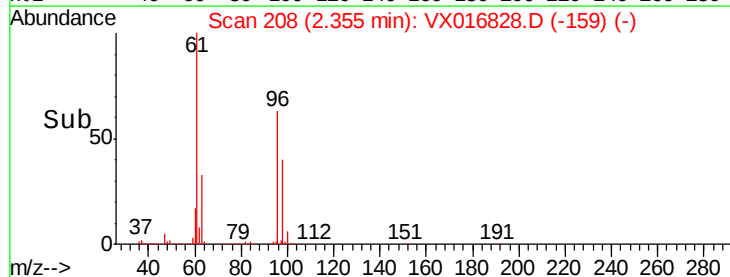
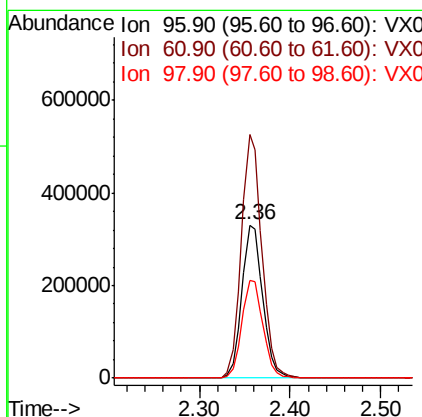
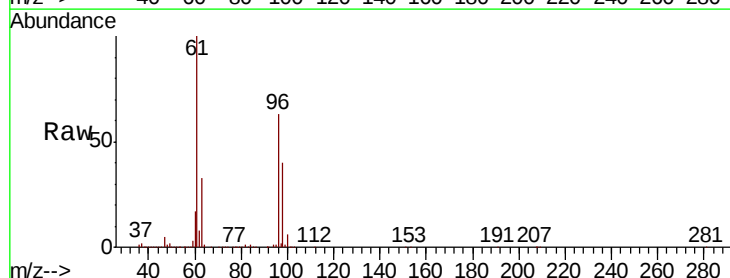
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

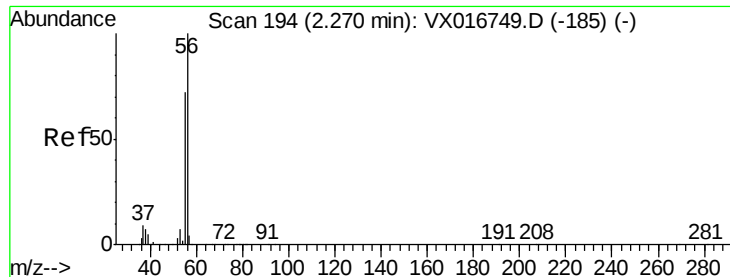
Tot Ion: 59 Resp: 4031
Ion Ratio Lower Upper
59 100
57 13.8 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 213.870 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion: 96 Resp: 525864
Ion Ratio Lower Upper
96 100
61 159.0 124.1 186.1
98 64.1 52.7 79.1





#13

Acrolein

Concen: 3.897 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

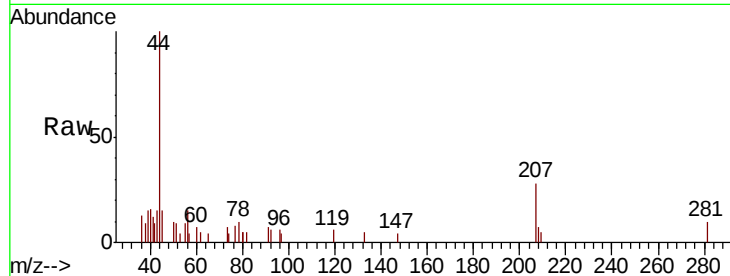
LF015MW100-200616

Tot Ion: 56 Resp: 486

Ion Ratio Lower Upper

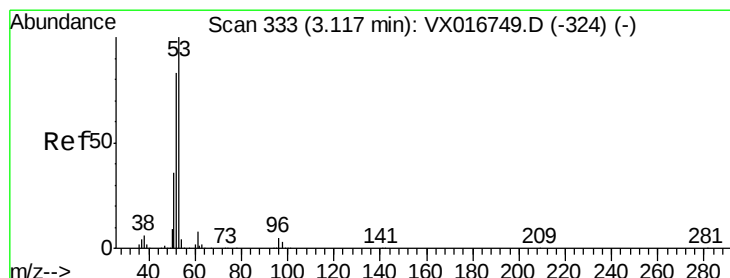
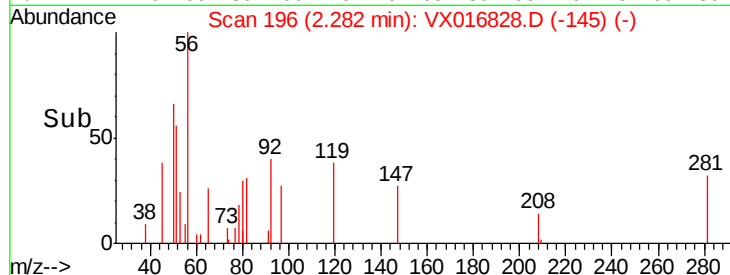
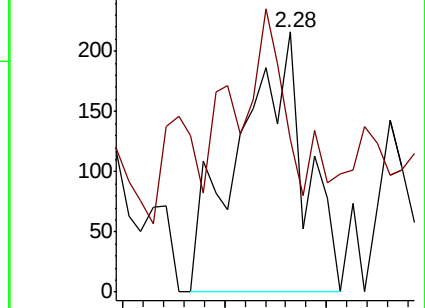
56 100

55 59.7 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.512 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

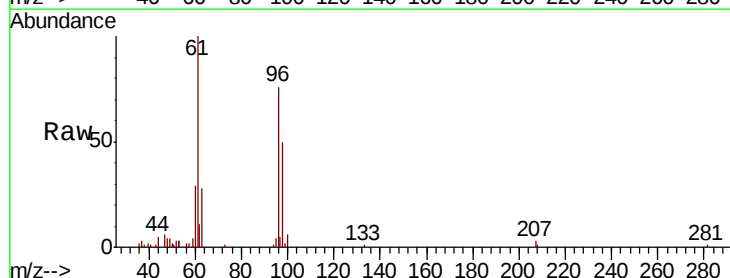
Tgt Ion: 53 Resp: 739

Ion Ratio Lower Upper

53 100

52 57.0 65.5 98.3#

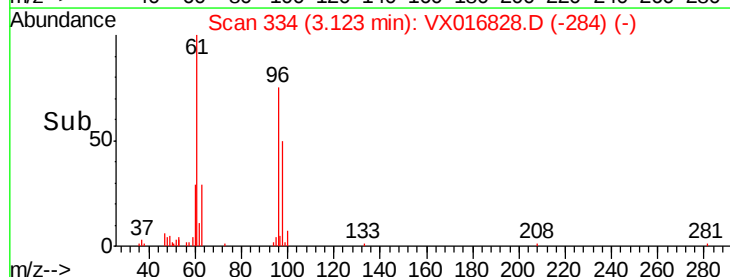
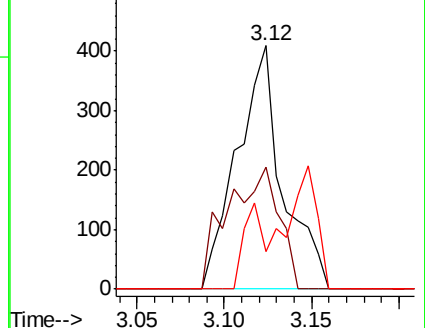
51 15.3 28.6 42.8#

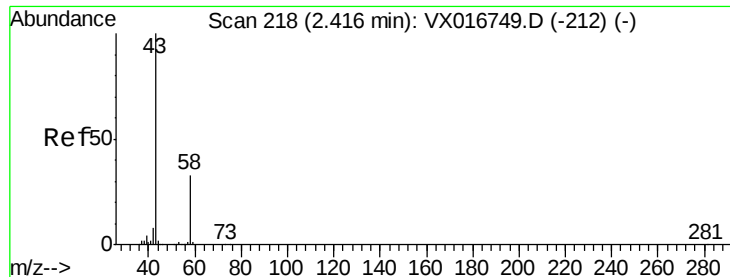


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.307 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

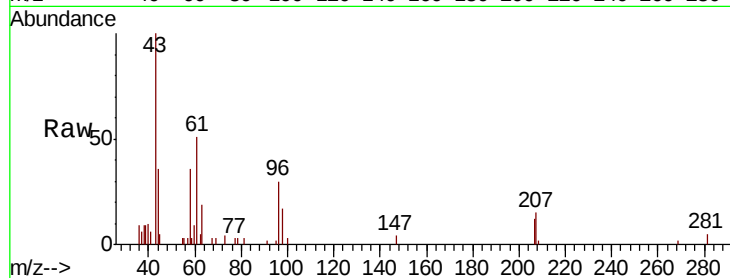
LF015MW100-200616

Tot Ion: 43 Resp: 4245

Ion Ratio Lower Upper

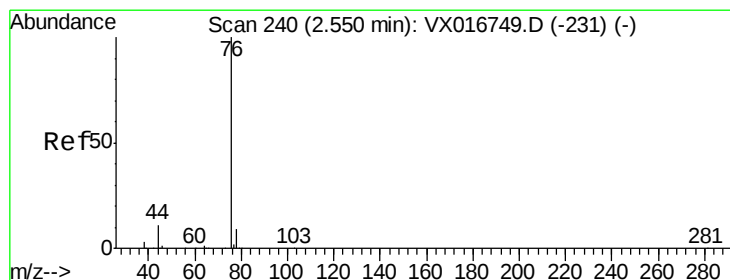
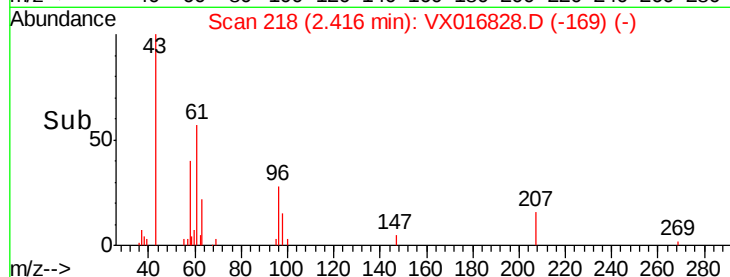
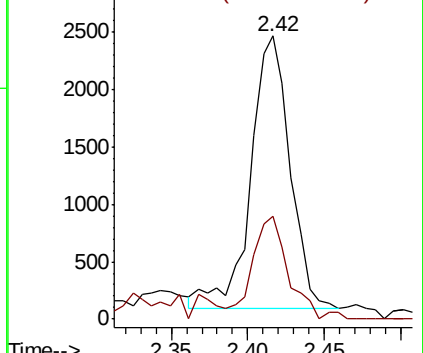
43 100

58 37.6 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.676 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016828.D

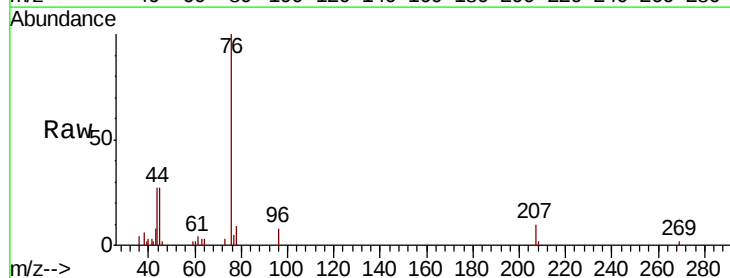
Acq: 17 Jun 2020 19:36

Tgt Ion: 76 Resp: 4760

Ion Ratio Lower Upper

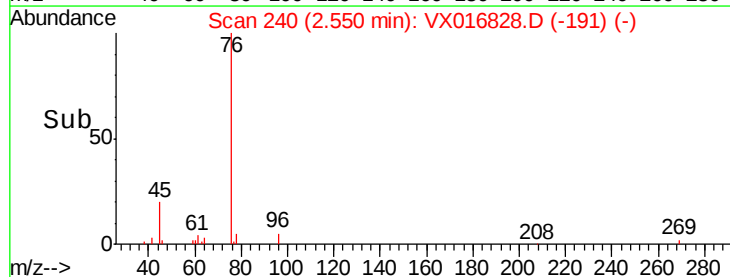
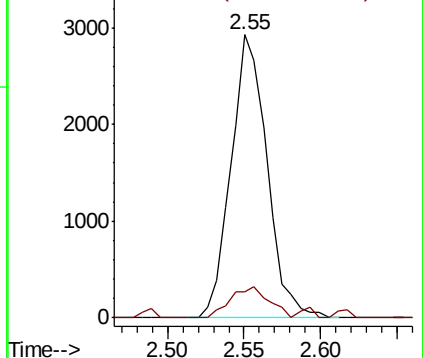
76 100

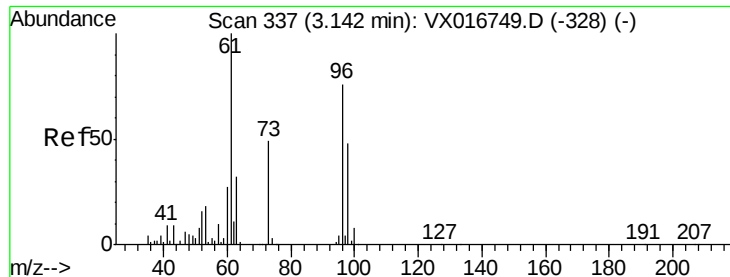
78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 14.477 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

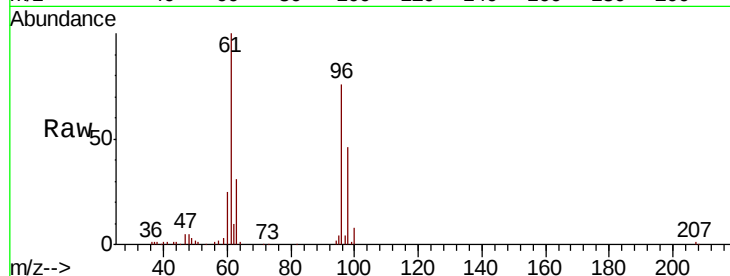
Tot Ion: 96 Resp: 38251

Ion Ratio Lower Upper

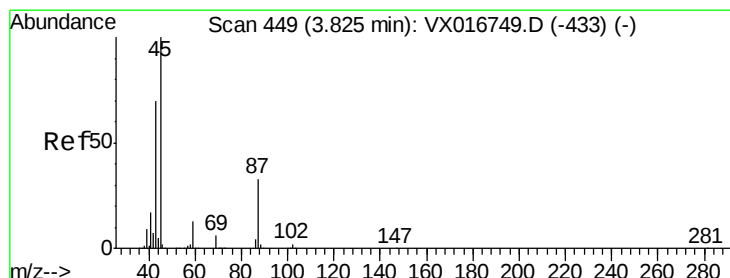
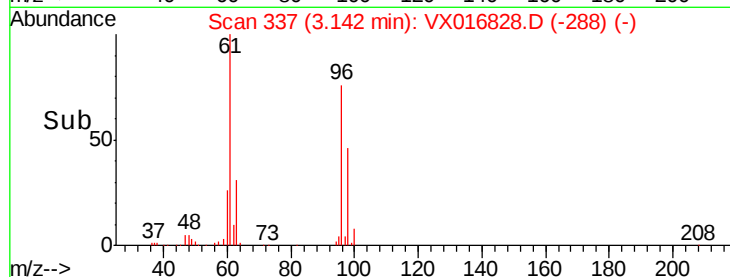
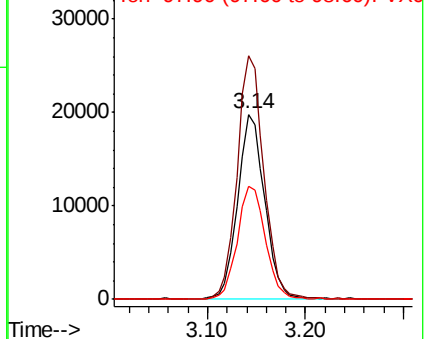
96 100

61 131.7 105.4 158.2

98 61.1 50.8 76.2



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: 3.641 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Tgt Ion: 45 Resp: 26297

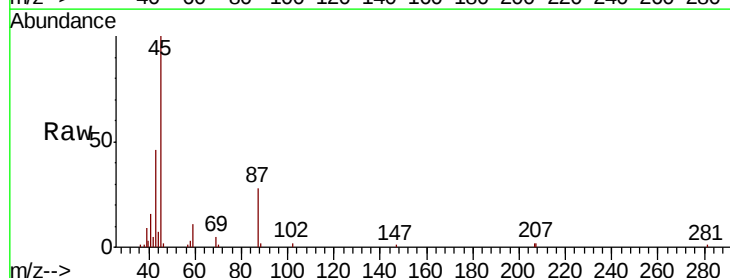
Ion Ratio Lower Upper

45 100

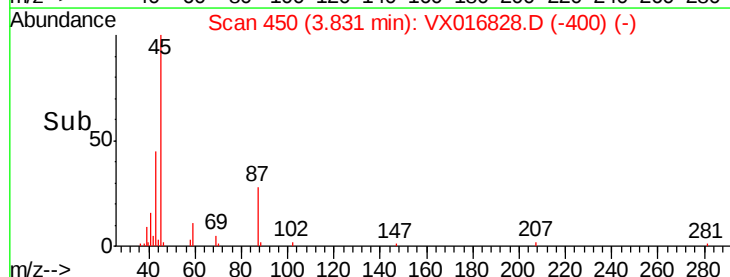
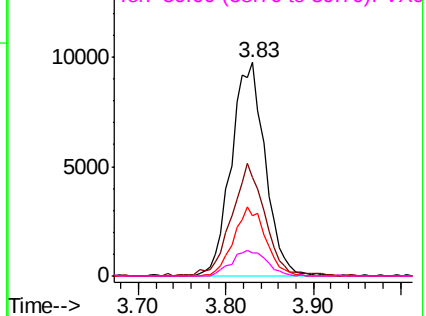
43 46.2 56.2 84.4#

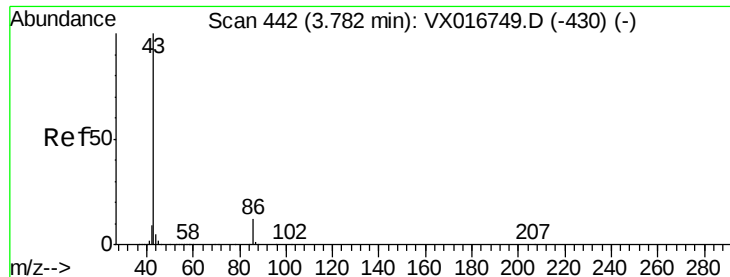
87 28.0 26.2 39.4

59 10.8 10.3 15.5



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: 2.177 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.04 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

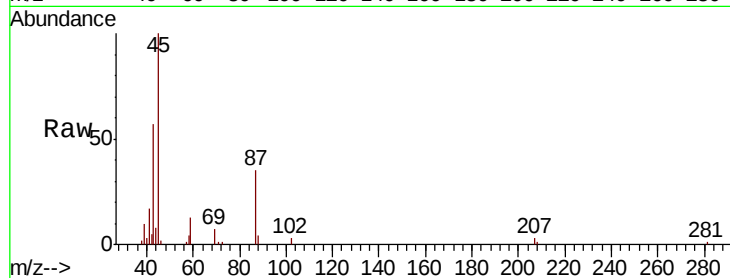
LF015MW100-200616

Tot Ion: 43 Resp: 13593

Ion Ratio Lower Upper

43 100

86 0.0 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

6000

5000

4000

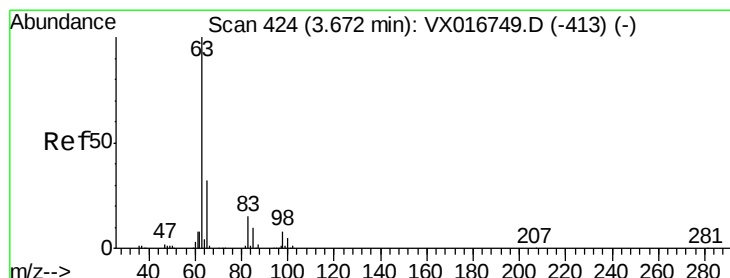
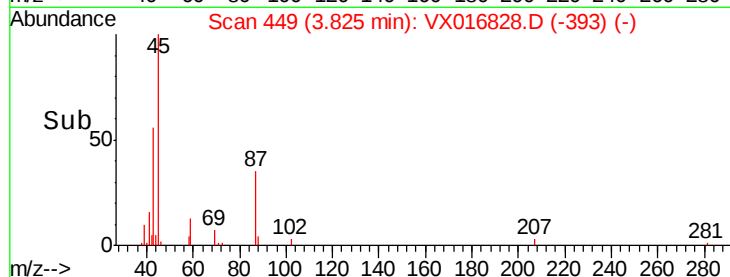
3000

2000

1000

0

Time-->



#24

1,1-Dichloroethane

Concen: 0.499 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

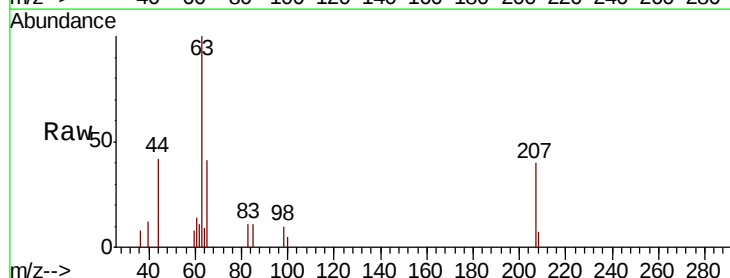
Tgt Ion: 63 Resp: 2256

Ion Ratio Lower Upper

63 100

98 10.1 3.8 11.4

100 5.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

1200

1000

800

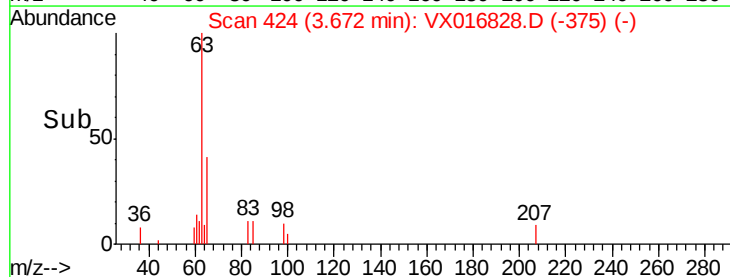
600

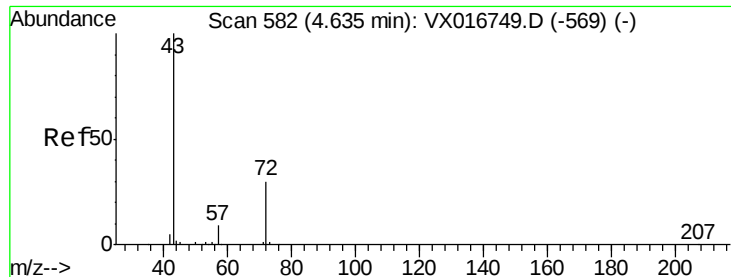
400

200

0

Time-->





#25

2-Butanone

Concen: 0.800 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

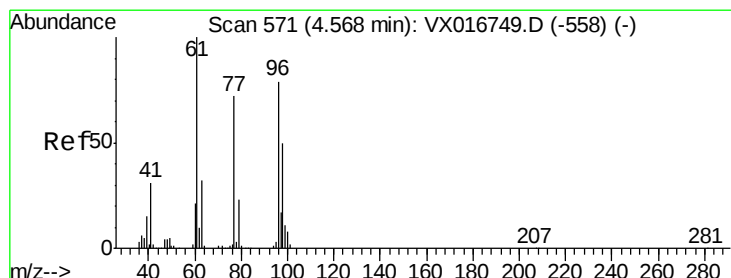
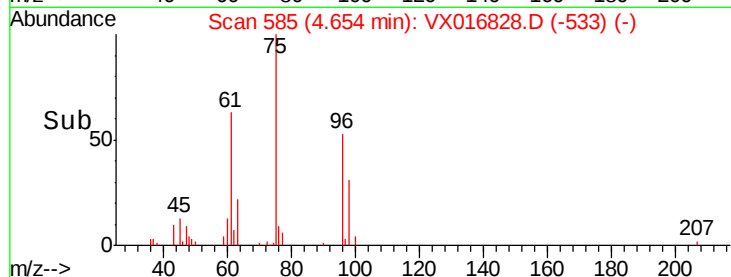
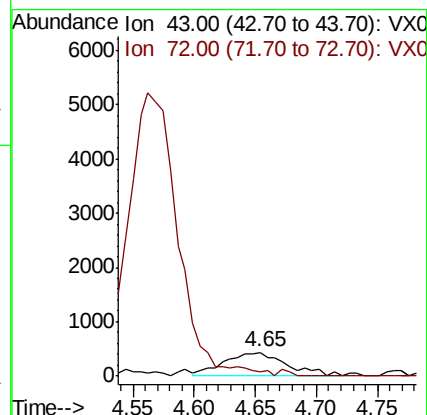
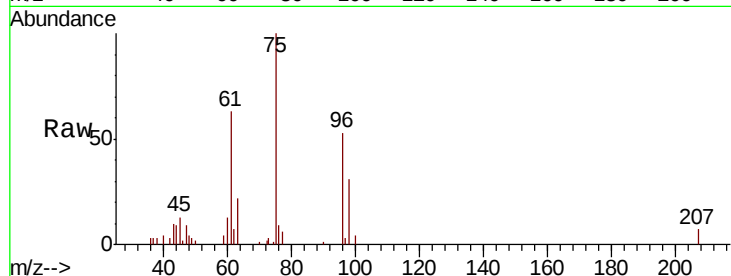
LF015MW100-200616

Tot Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

72 18.2 24.2 36.4#



#27

cis-1,2-Dichloroethene

Concen: 620.054 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

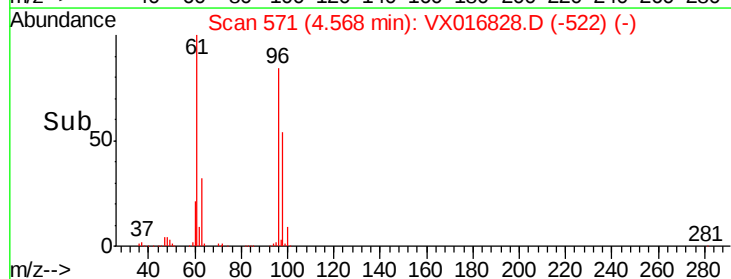
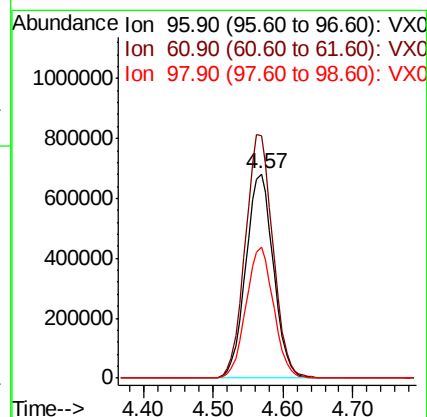
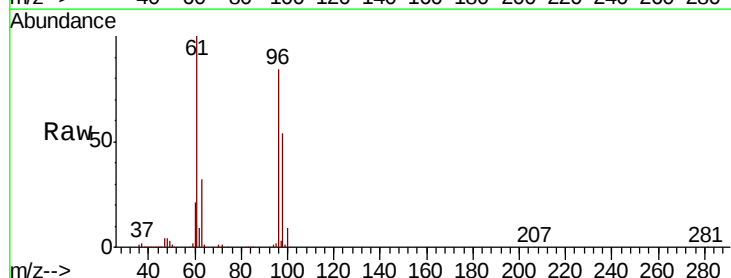
Tgt Ion: 96 Resp: 1872558

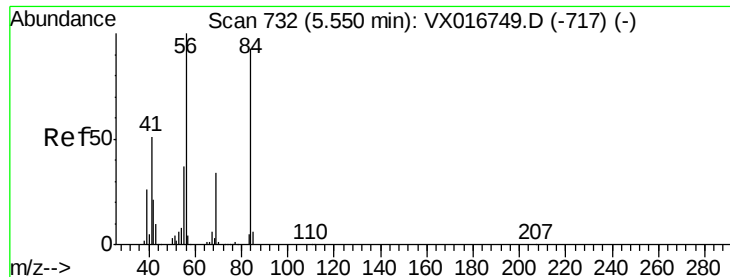
Ion Ratio Lower Upper

96 100

61 119.7 0.0 276.2

98 64.2 0.0 130.0

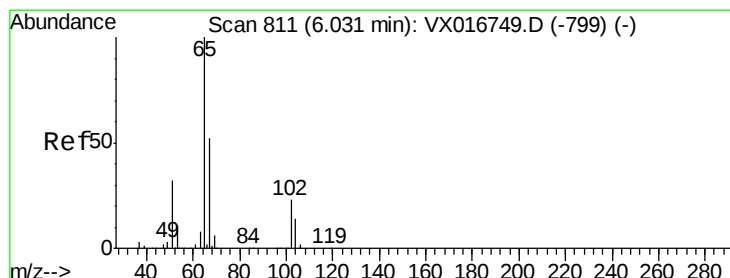
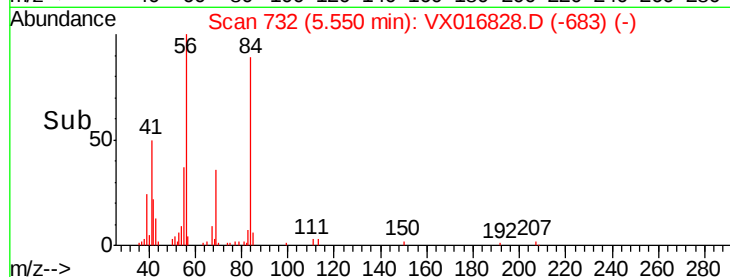
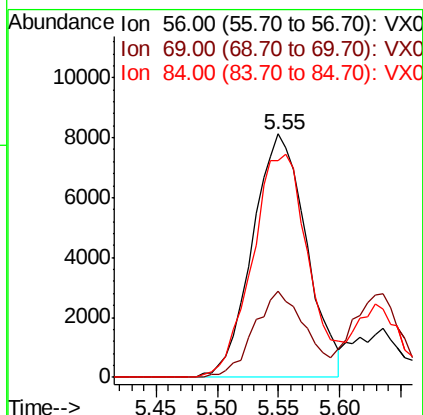
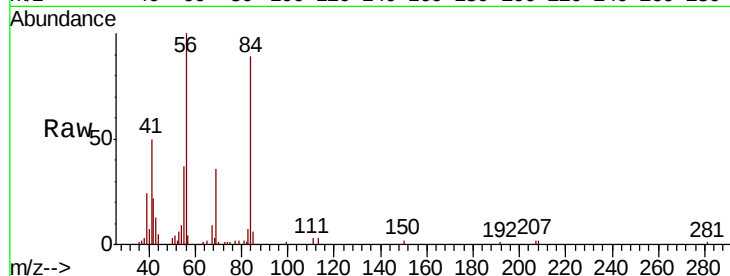




#31
Cyclohexane
Concen: 7.451 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

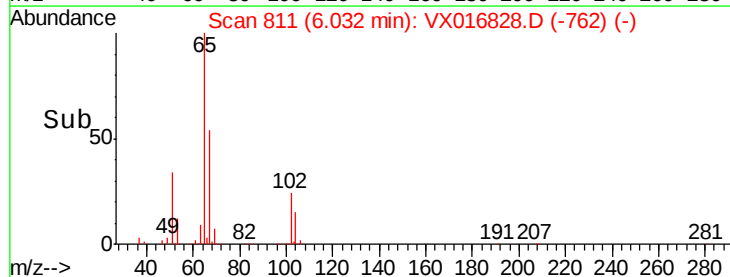
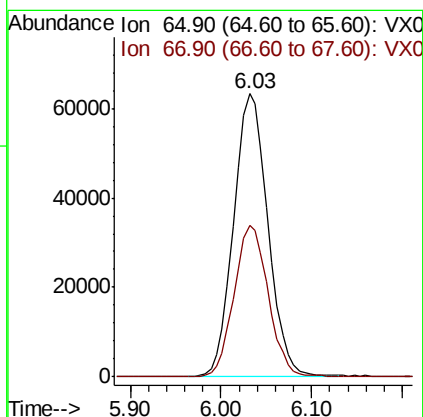
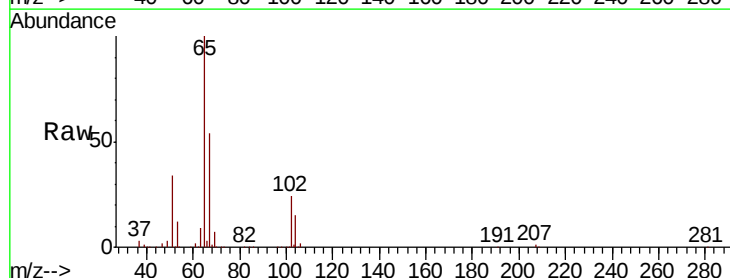
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

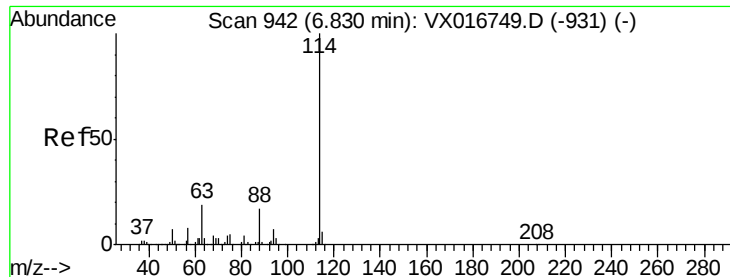
Tot Ion: 56 Resp: 24925
Ion Ratio Lower Upper
56 100
69 35.6 27.1 40.7
84 89.3 74.0 111.0



#33
1,2-Dichloroethane-d4
Concen: 58.748 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion: 65 Resp: 166256
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

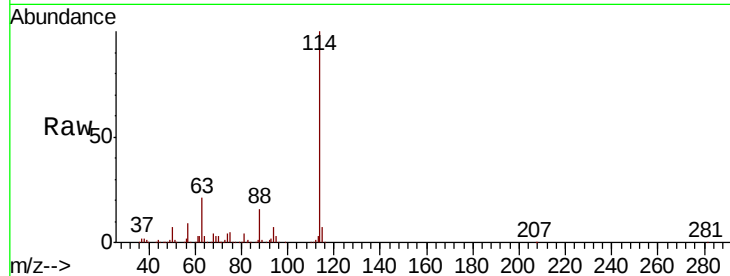
Tot Ion:114 Resp: 426819

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

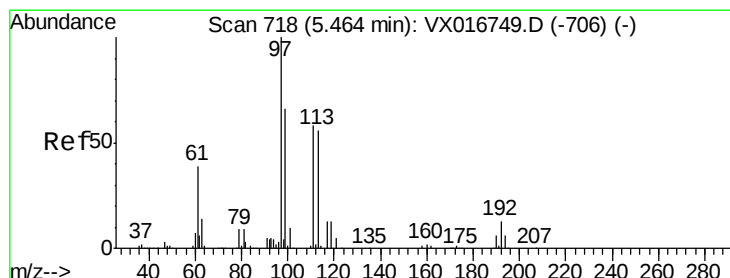
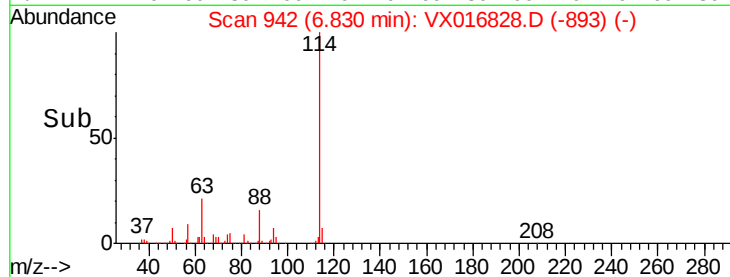
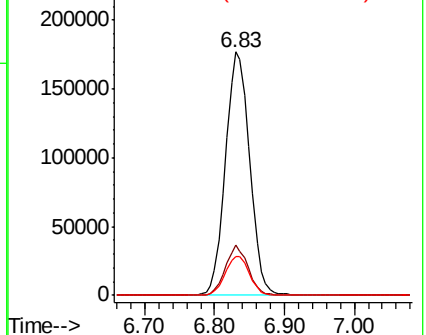
88 16.2 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.127 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

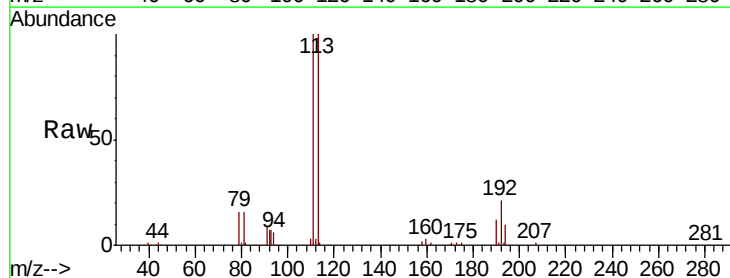
Tgt Ion:113 Resp: 121470

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

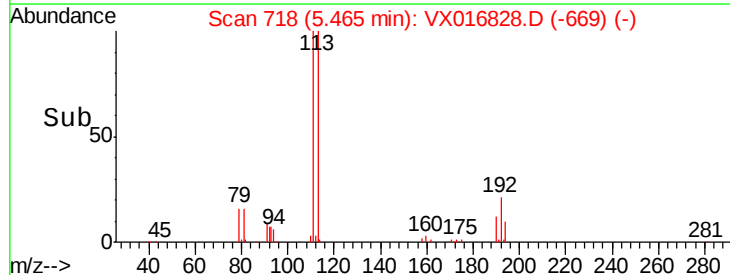
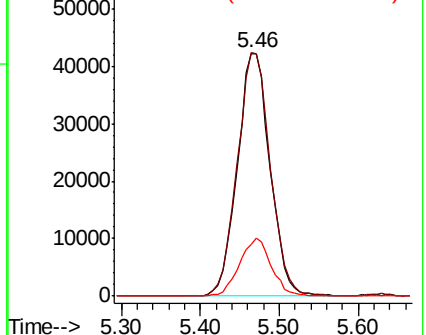
192 23.2 18.2 27.4

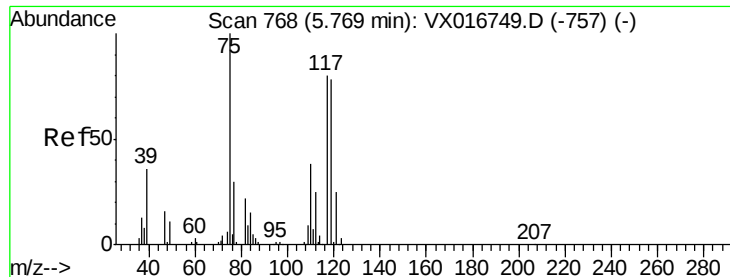


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

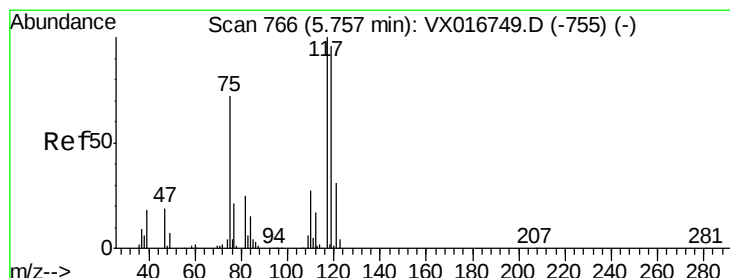
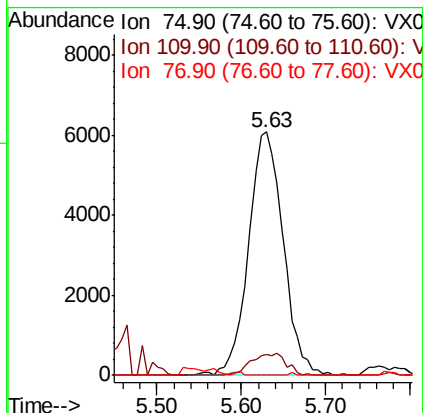
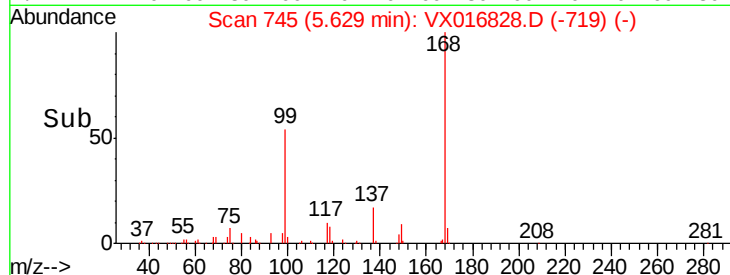
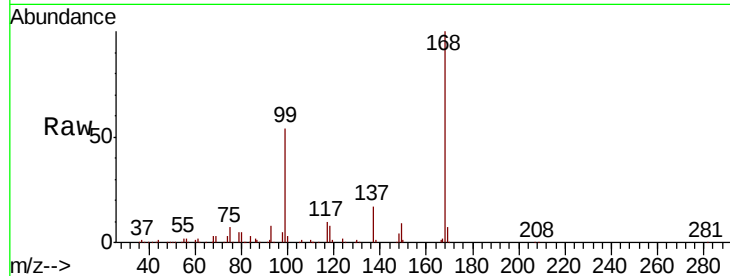
Tot Ion: 75 Resp: 17009

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.504 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

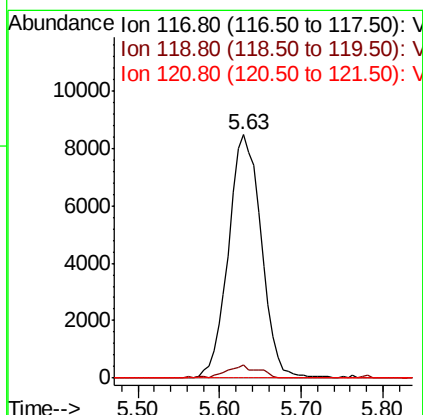
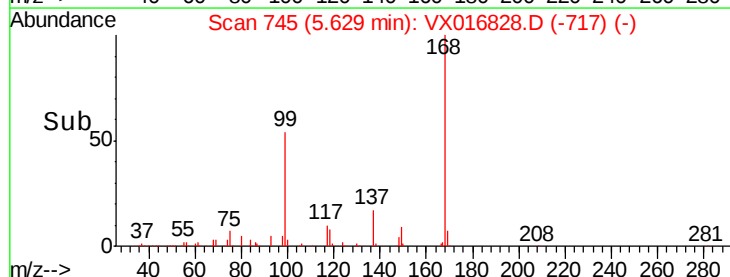
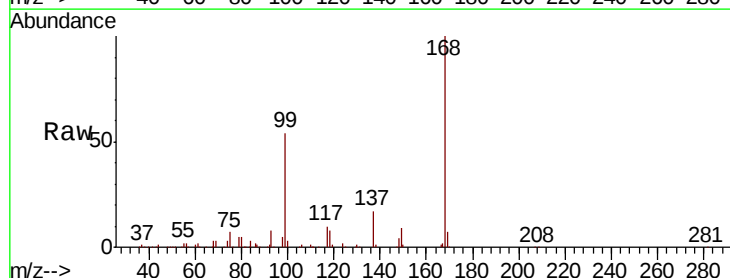
Tgt Ion: 117 Resp: 23577

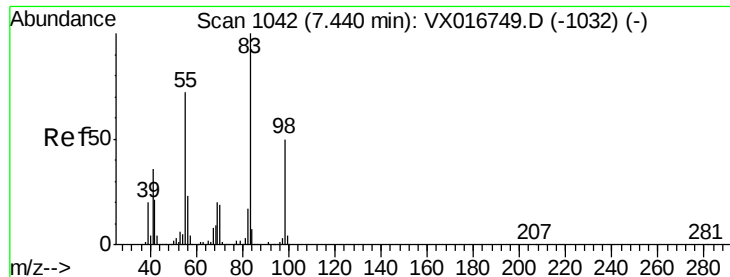
Ion Ratio Lower Upper

117 100

119 5.6 76.7 115.1#

121 0.0 24.7 37.1#

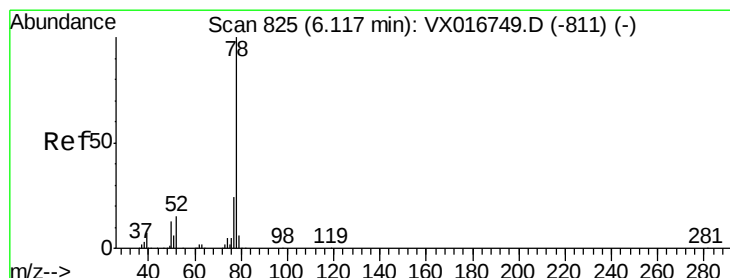
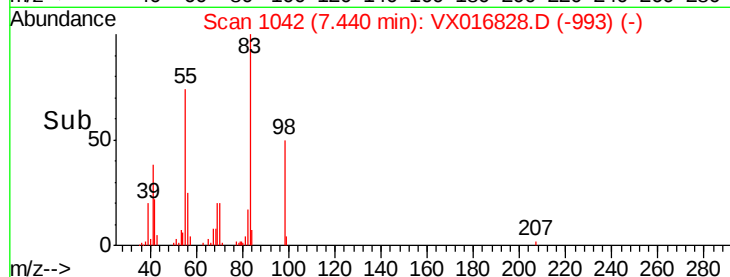
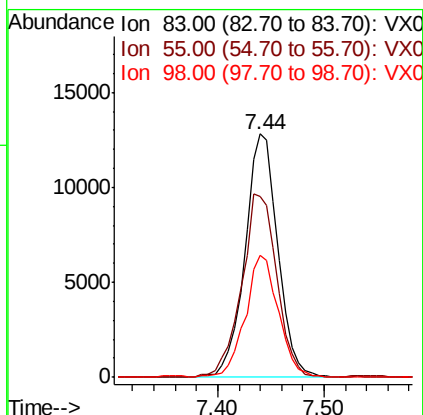
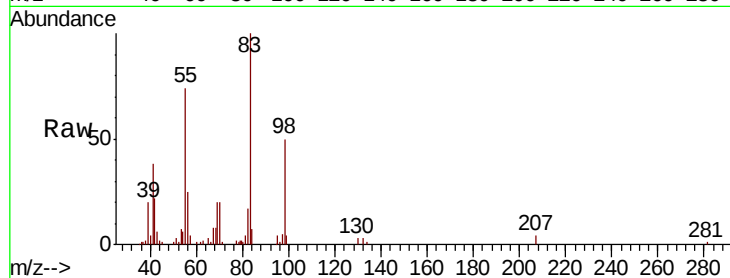




#39
Methvlcvclohexane
Concen: 7.177 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

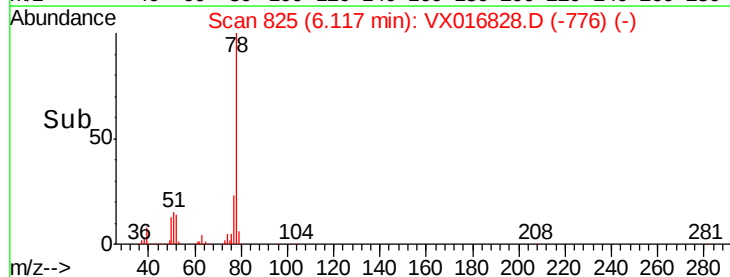
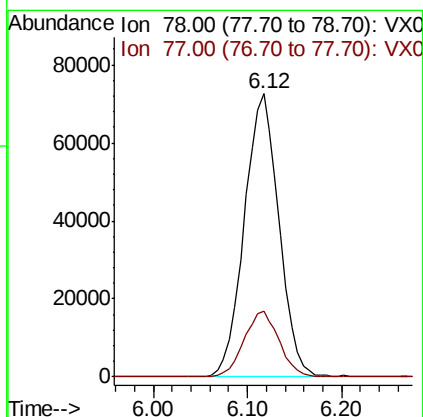
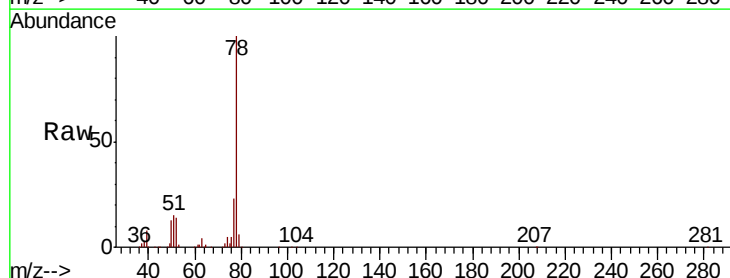
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

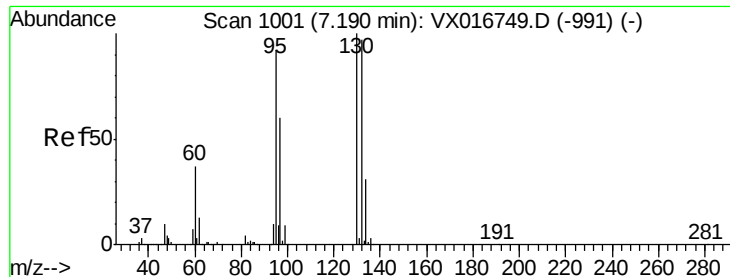
Tot Ion: 83 Resp: 27753
Ion Ratio Lower Upper
83 100
55 74.1 57.3 85.9
98 50.1 40.3 60.5



#40
Benzene
Concen: 16.282 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion: 78 Resp: 186992
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

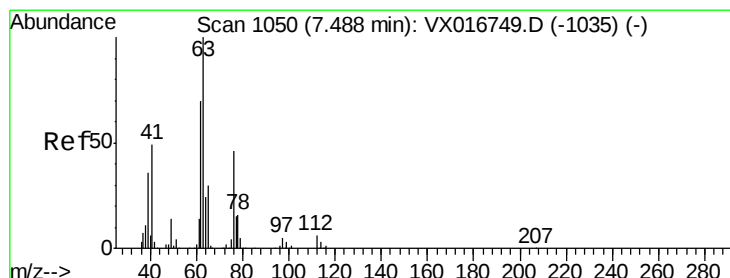
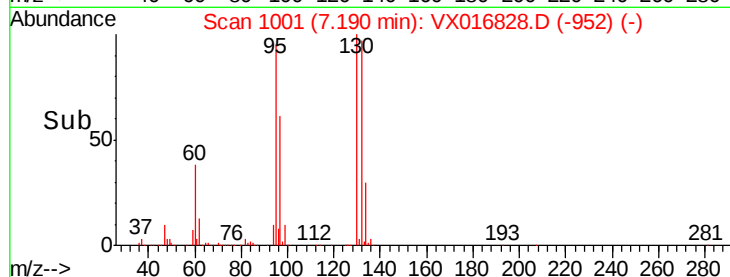
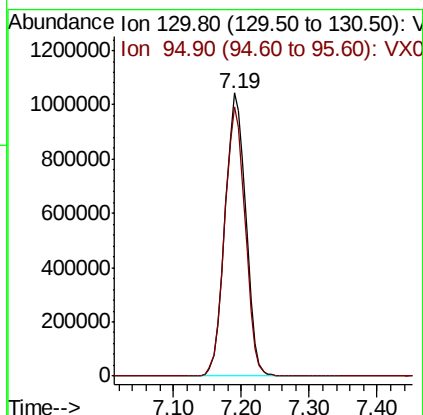
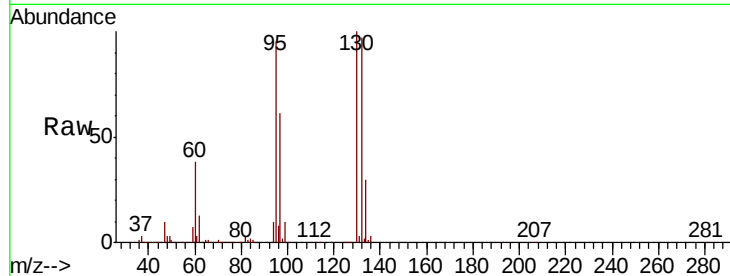




#44
 Trichloroethene
 Concen: 624.140 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016828.D
 Acq: 17 Jun 2020 19:36

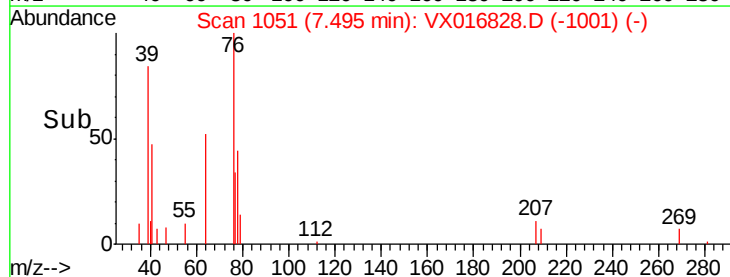
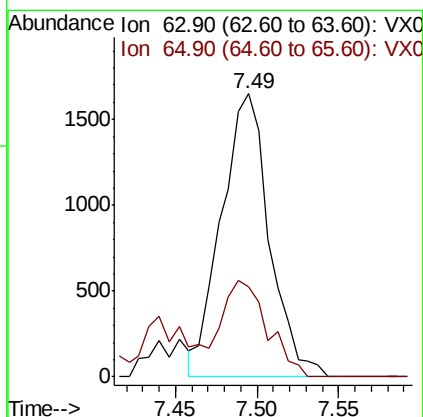
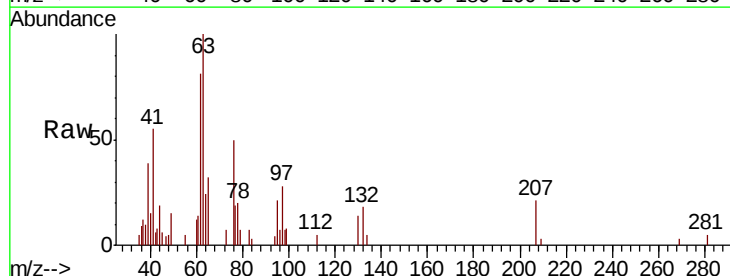
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW100-200616

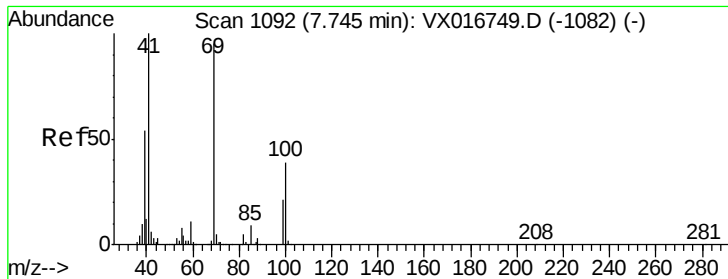
Tot Ion:130 Resp: 2217163
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 183.6



#45
 1,2-Dichloropropane
 Concen: 1.200 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX016828.D
 Acq: 17 Jun 2020 19:36

Tgt Ion: 63 Resp: 3378
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.2 36.2





#48

Methvl methacrylate

Concen: 0.240 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.04 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

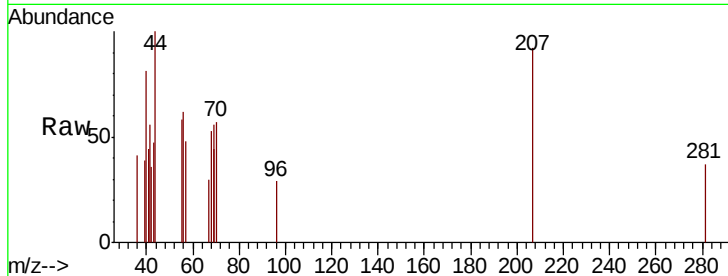
Tot Ion: 41 Resp: 736

Ion Ratio Lower Upper

41 100

69 99.2 75.0 112.6

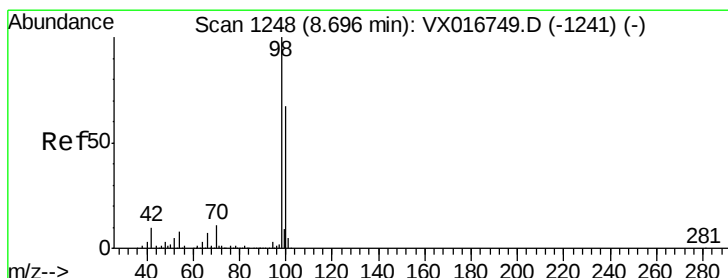
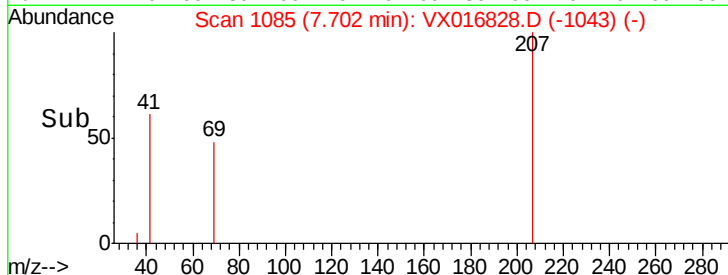
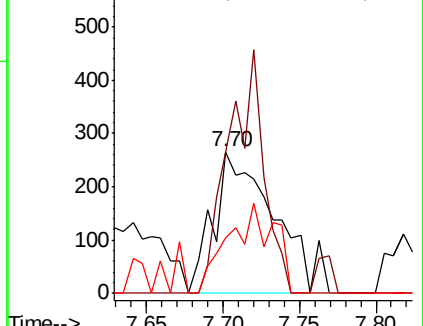
39 47.7 44.3 66.5



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



#50

Toluene-d8

Concen: 48.868 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016828.D

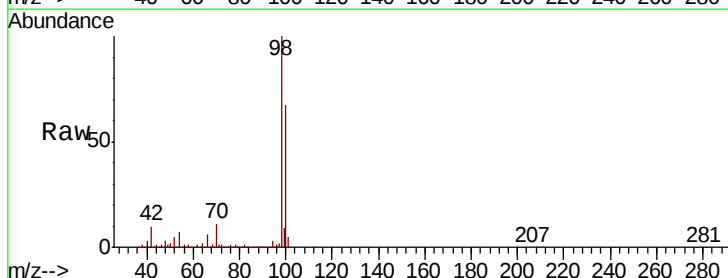
Acq: 17 Jun 2020 19:36

Tgt Ion: 98 Resp: 474509

Ion Ratio Lower Upper

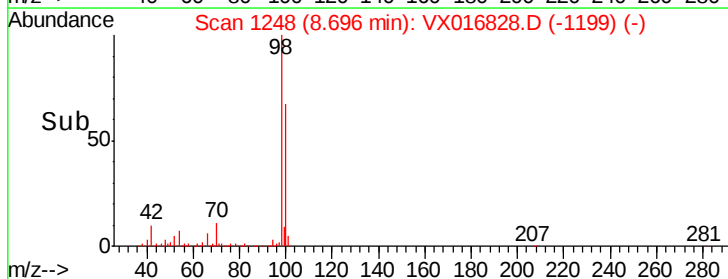
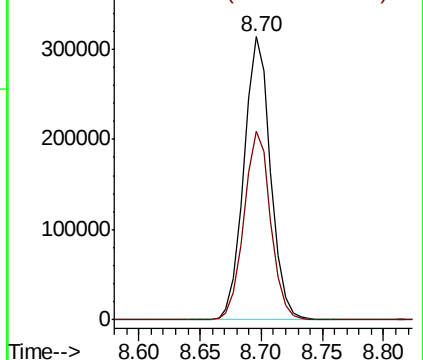
98 100

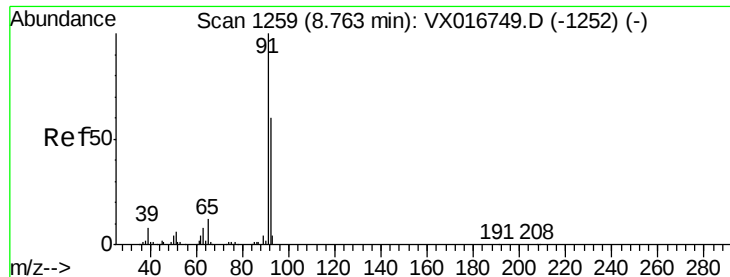
100 66.6 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.461 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

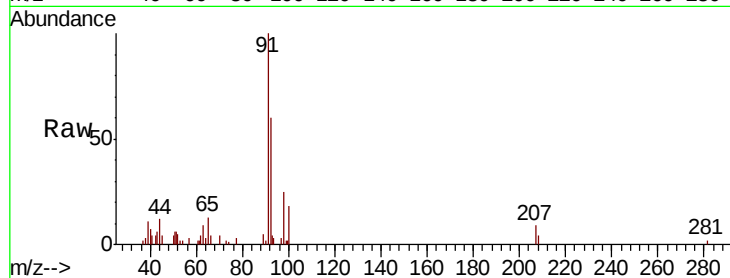
LF015MW100-200616

Tot Ion: 92 Resp: 3438

Ion Ratio Lower Upper

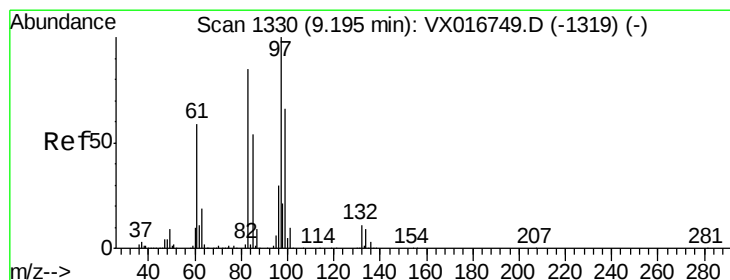
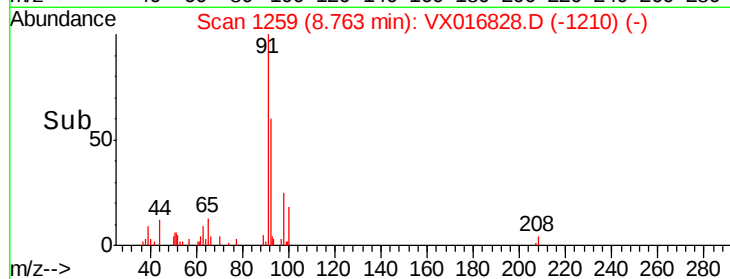
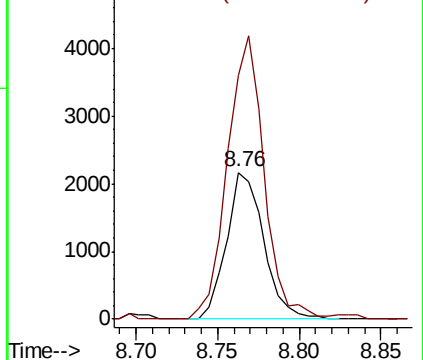
92 100

91 190.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.817 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Tgt Ion: 97 Resp: 2451

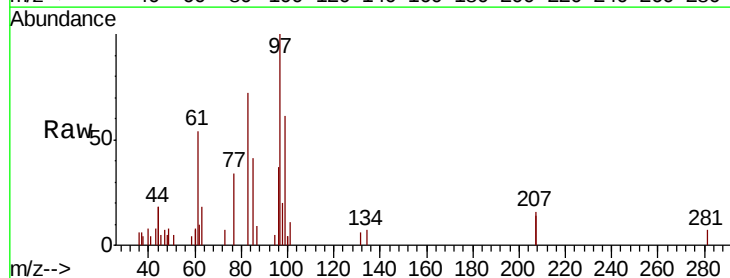
Ion Ratio Lower Upper

97 100

83 71.8 68.3 102.5

85 41.4 43.5 65.3#

99 60.6 52.4 78.6

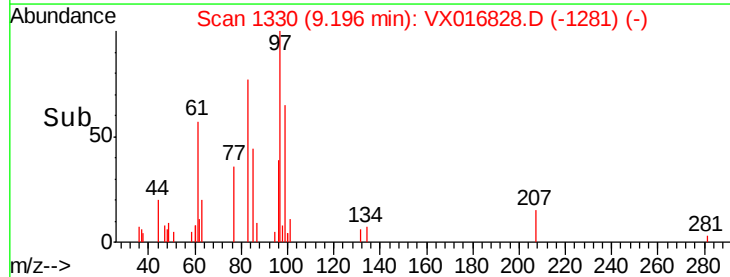
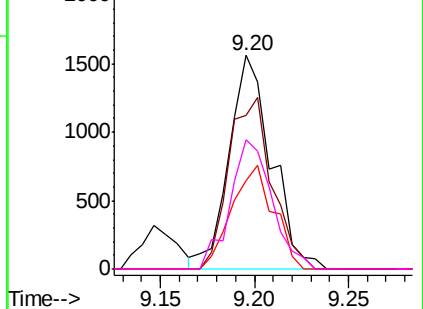


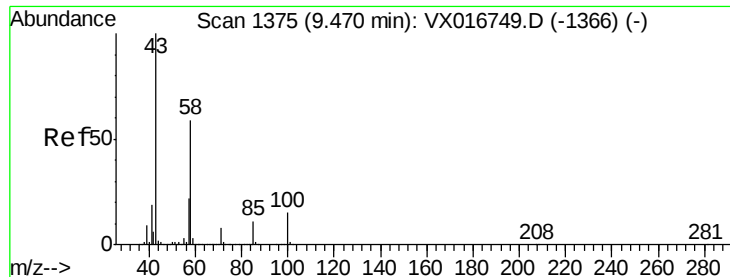
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

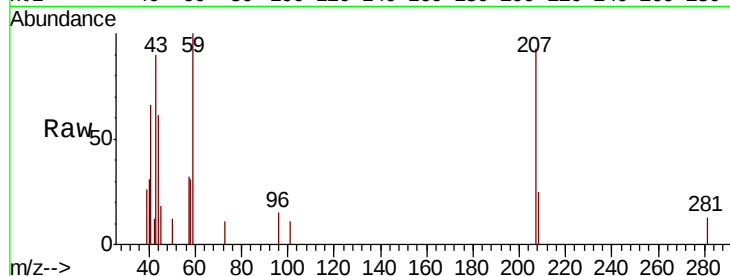




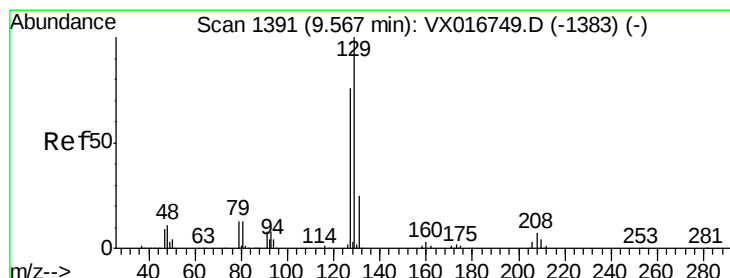
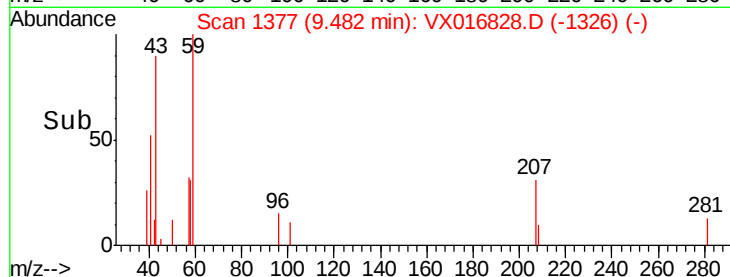
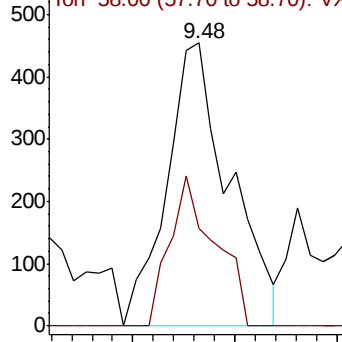
#59
2-Hexanone
Concen: 0.316 ug/l
RT: 9.48 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

Tot Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
58 38.1 29.9 89.8

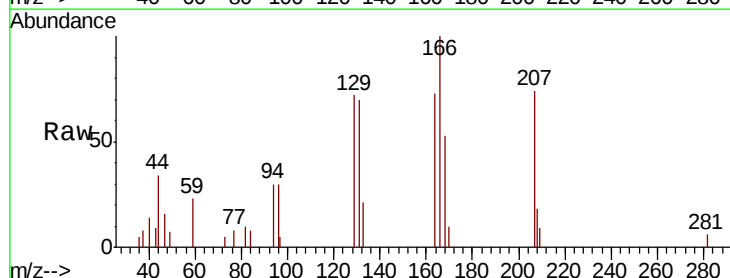


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

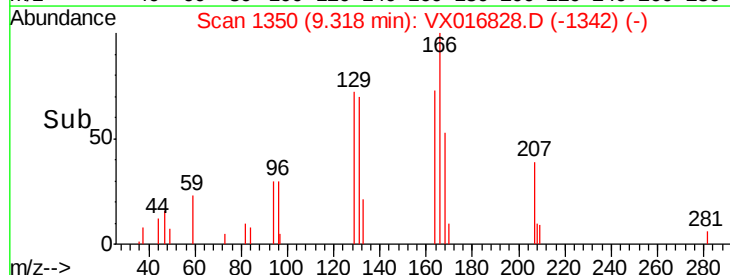
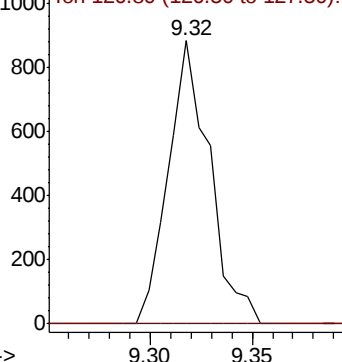


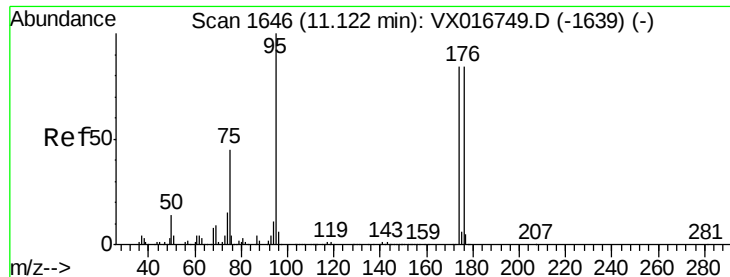
#60
Dibromochloromethane
Concen: 0.351 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion: 129 Resp: 1244
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 57.837 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

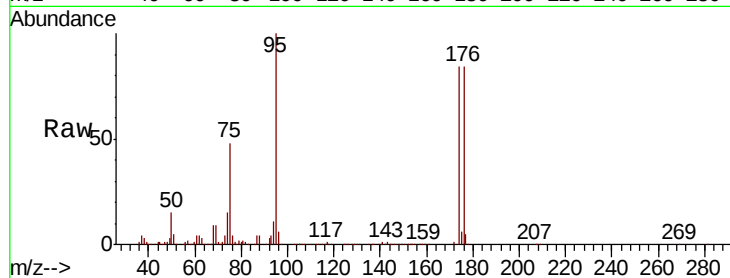
Tot Ion: 95 Resp: 214813

Ion Ratio Lower Upper

95 100

174 87.3 0.0 171.0

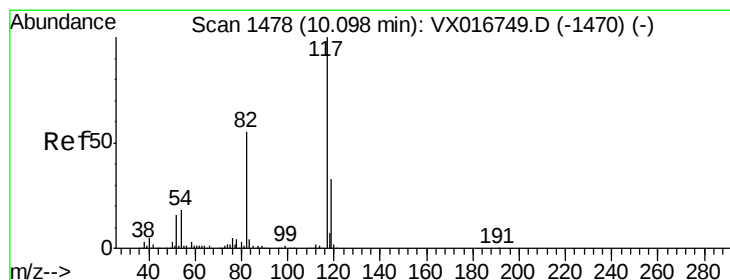
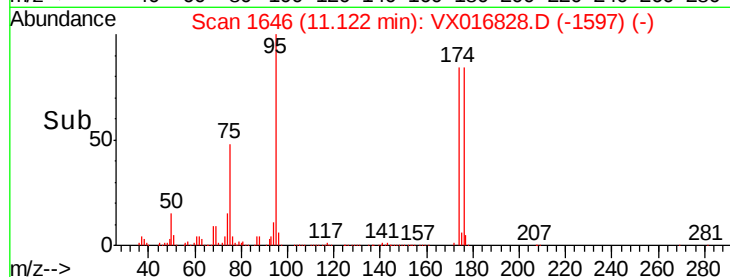
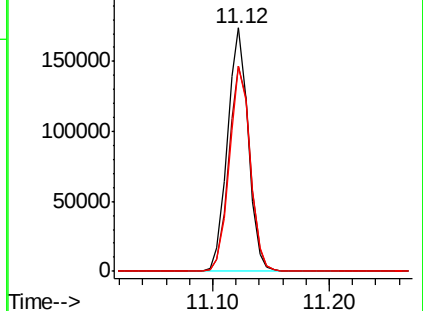
176 84.8 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016749.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016749.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016749.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

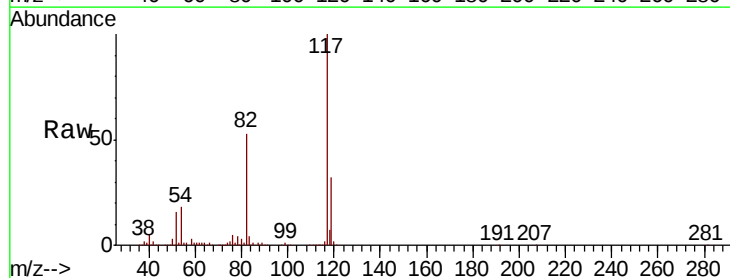
Tgt Ion: 117 Resp: 389879

Ion Ratio Lower Upper

117 100

82 53.0 43.8 65.6

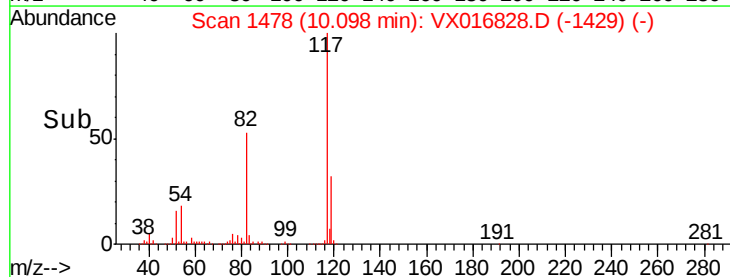
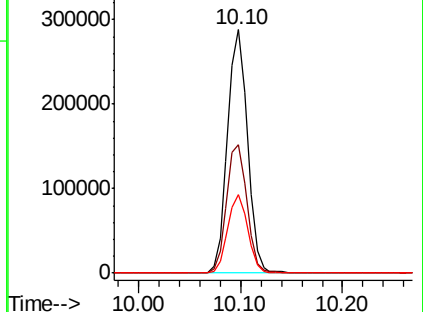
119 32.2 26.2 39.4

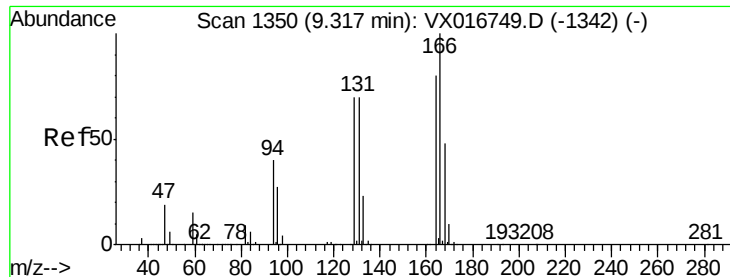


Abundance Ion 116.90 (116.60 to 117.60): VX016749.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016749.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016749.D (-1470) (-)

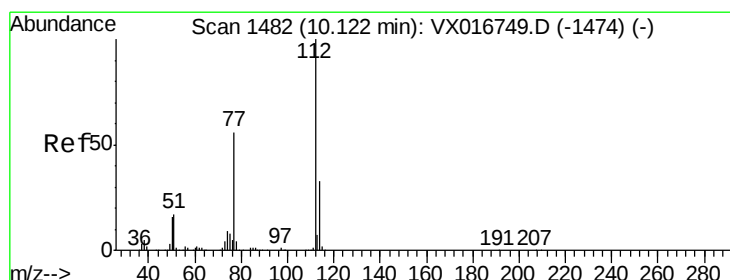
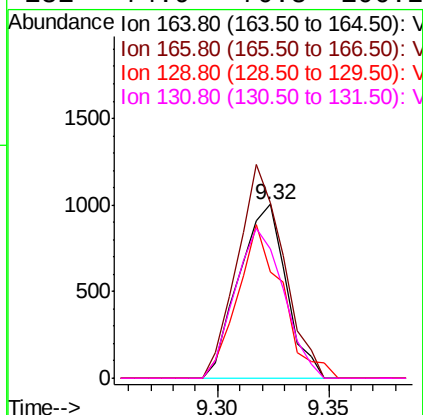
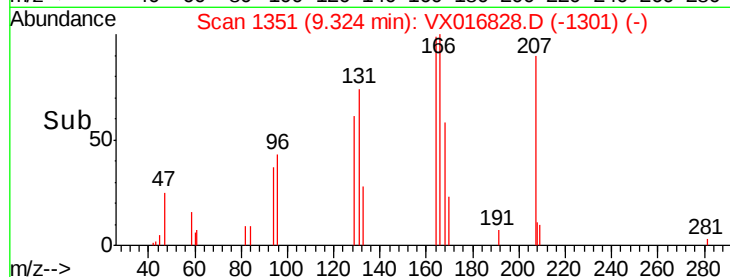
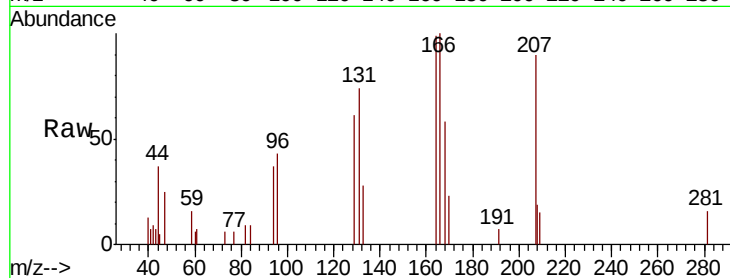




#64
Tetrachloroethene
Concen: 0.396 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

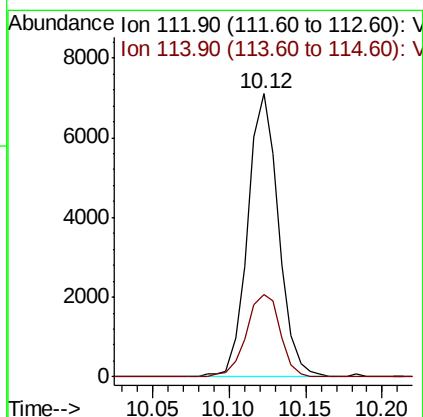
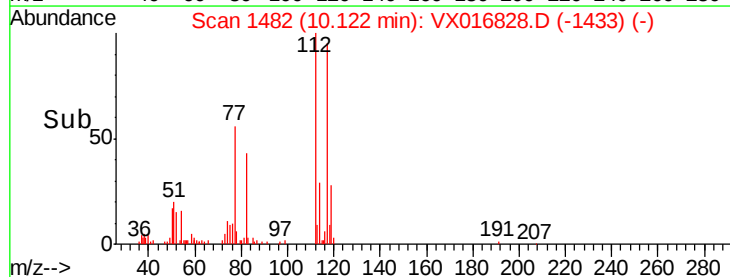
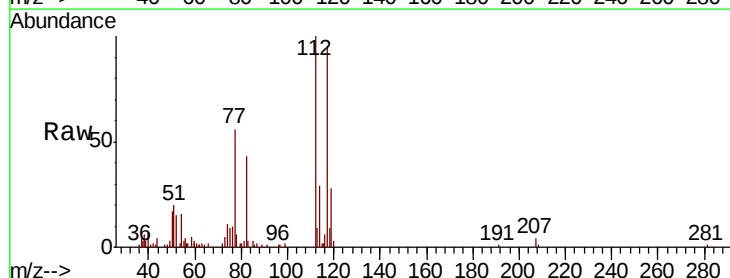
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

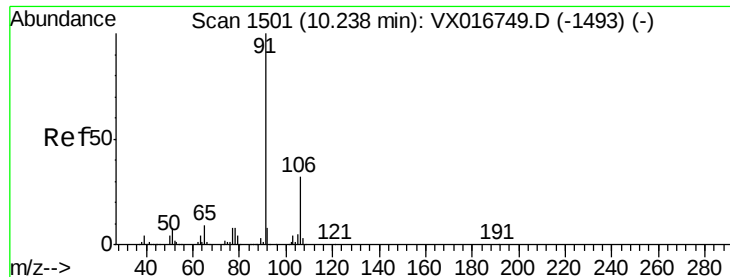
Tot Ion:164 Resp: 1483
Ion Ratio Lower Upper
164 100
166 101.2 100.6 150.8
129 61.3 70.1 105.1#
131 74.9 70.8 106.2



#65
Chlorobenzene
Concen: 1.255 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion:112 Resp: 9930
Ion Ratio Lower Upper
112 100
114 28.9 26.2 39.4

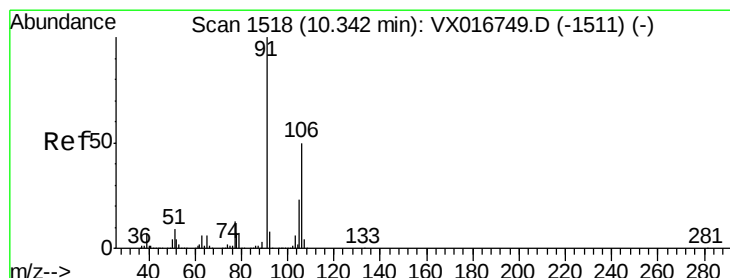
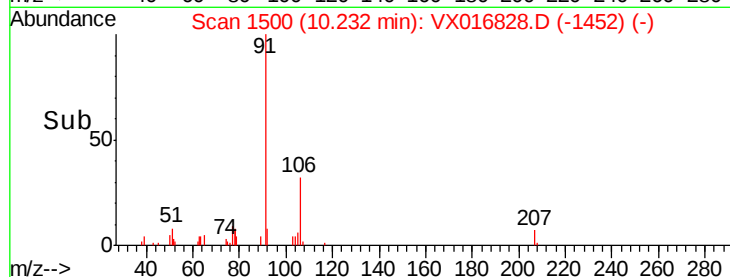
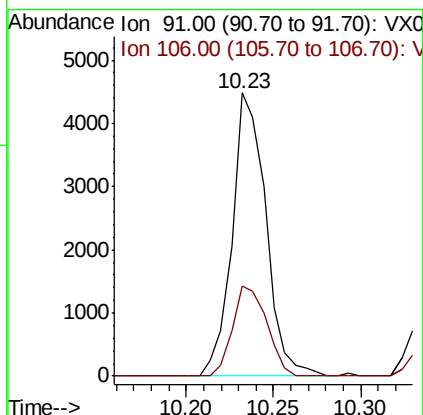
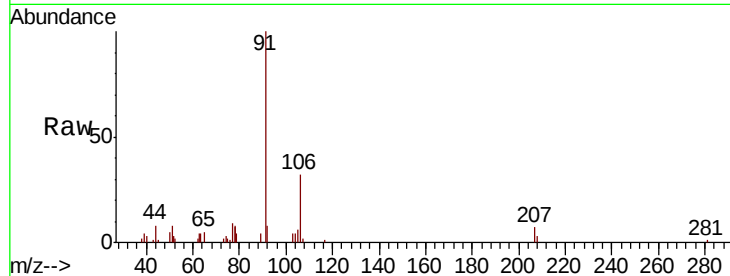




#67
Ethyl Benzene
Concen: 0.449 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

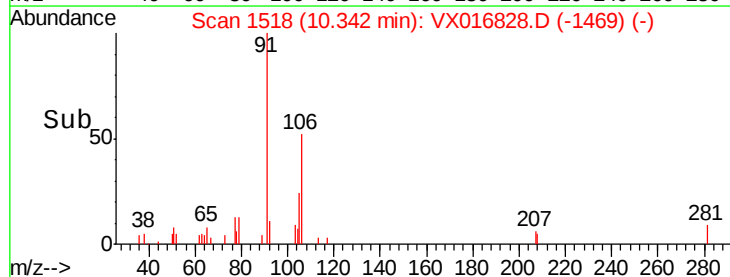
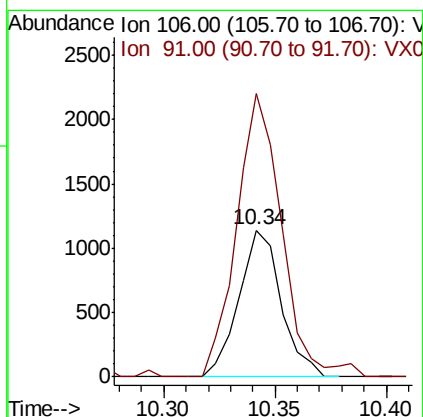
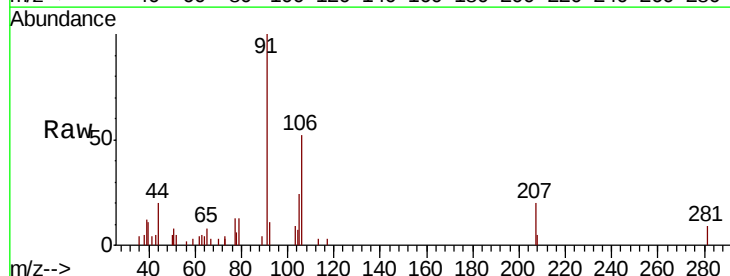
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

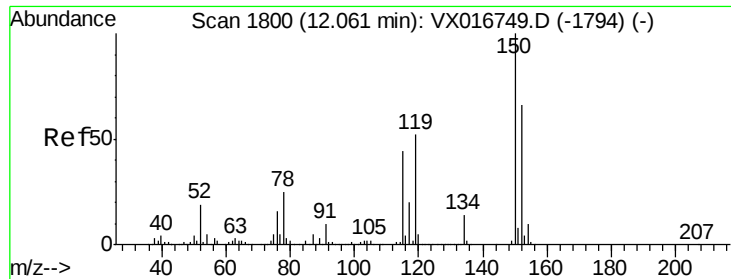
Tot Ion: 91 Resp: 6003
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 0.299 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion: 106 Resp: 1514
Ion Ratio Lower Upper
106 100
91 205.1 161.2 241.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

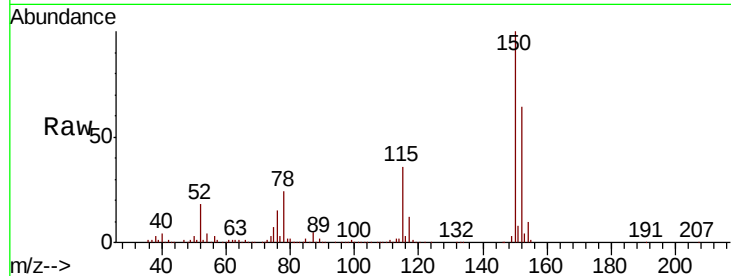
Tot Ion:152 Resp: 221876

Ion Ratio Lower Upper

152 100

115 57.4 40.3 120.8

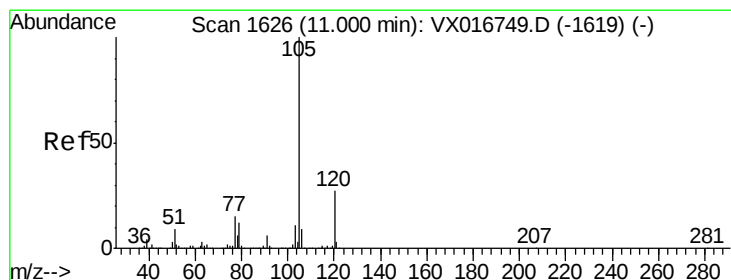
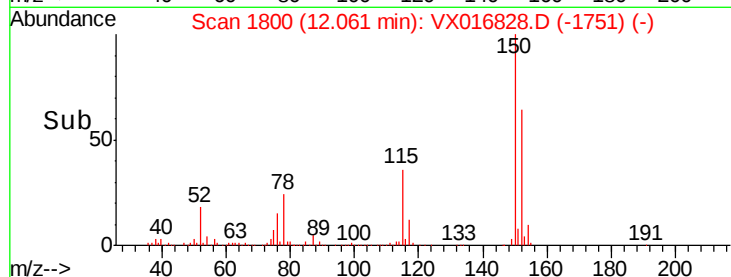
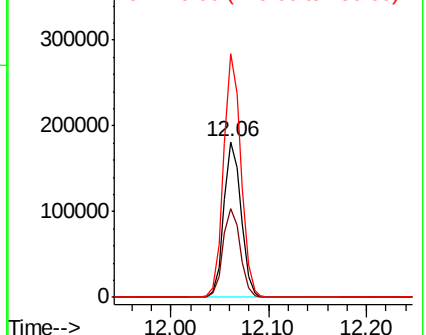
150 156.6 0.0 337.4



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: 0.649 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016828.D

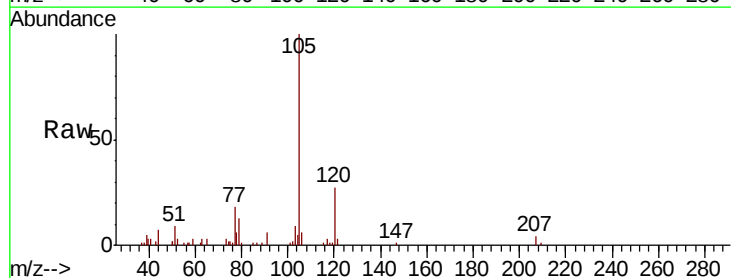
Acq: 17 Jun 2020 19:36

Tgt Ion:105 Resp: 9446

Ion Ratio Lower Upper

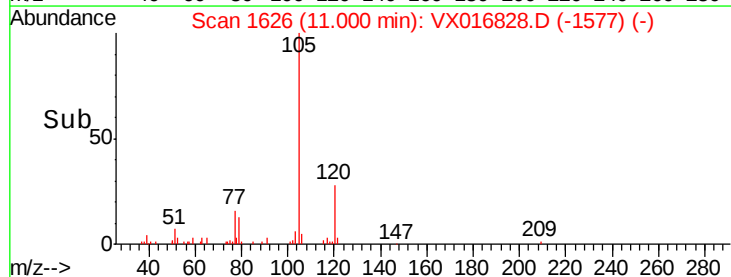
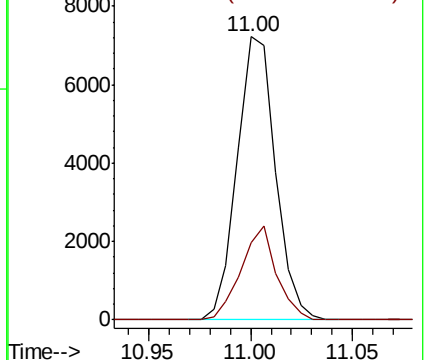
105 100

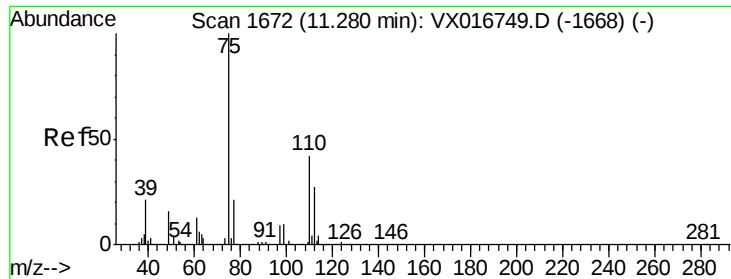
120 30.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.827 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

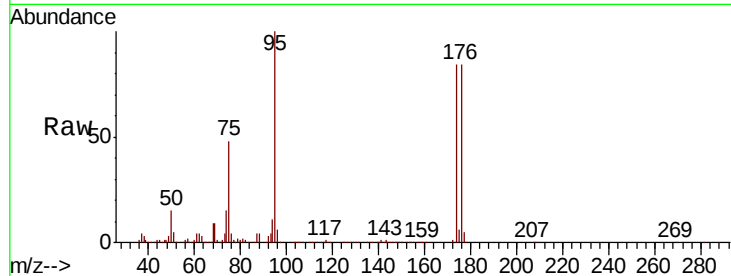
LF015MW100-200616

Tot Ion: 75 Resp: 101844

Ion Ratio Lower Upper

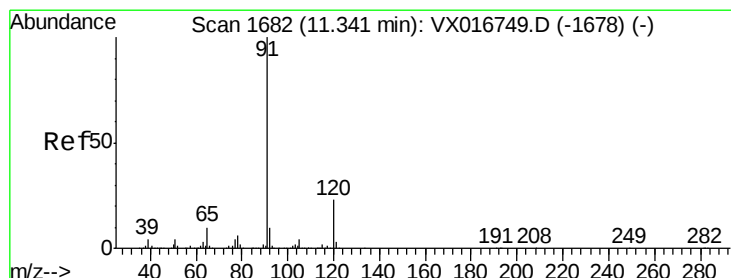
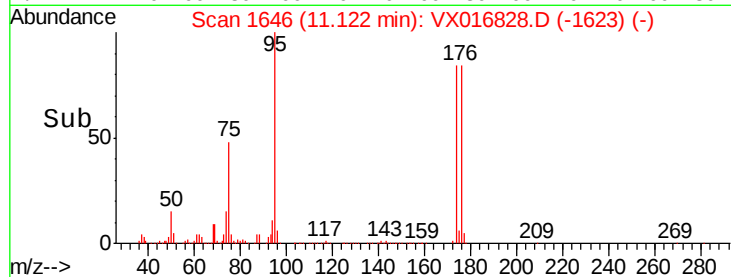
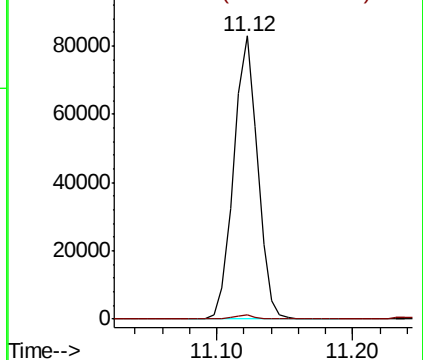
75 100

77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.203 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX016828.D

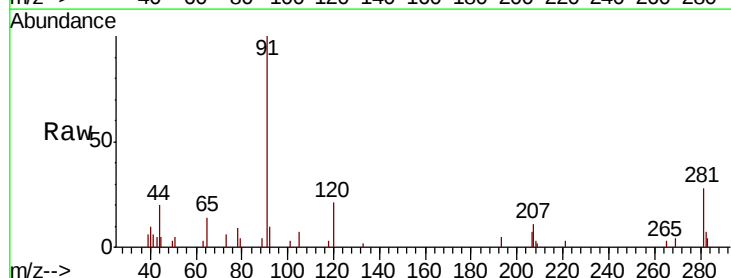
Acq: 17 Jun 2020 19:36

Tgt Ion: 91 Resp: 3215

Ion Ratio Lower Upper

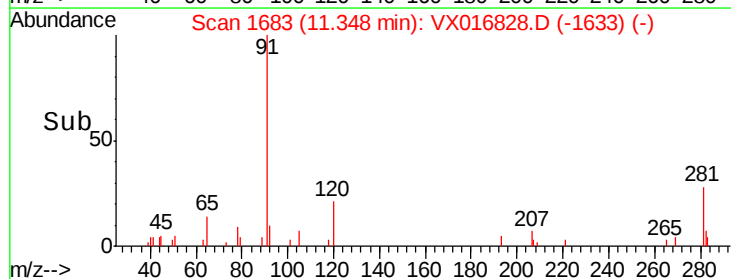
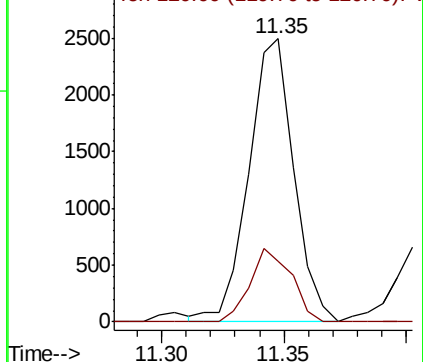
91 100

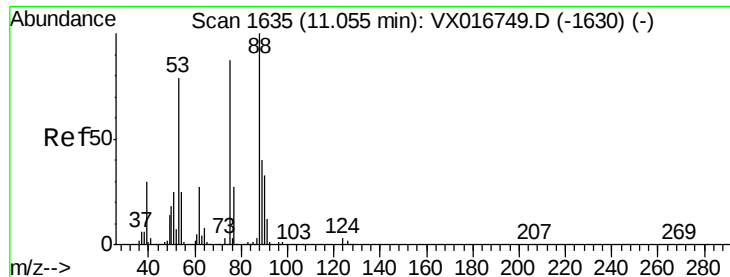
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.949 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

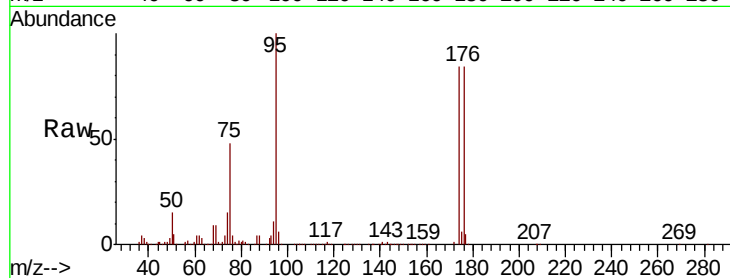
Tot Ion: 75 Resp: 101844

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

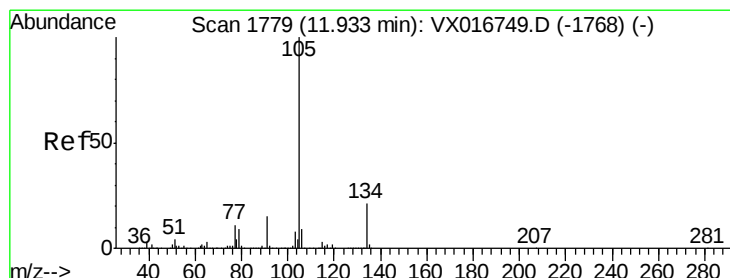
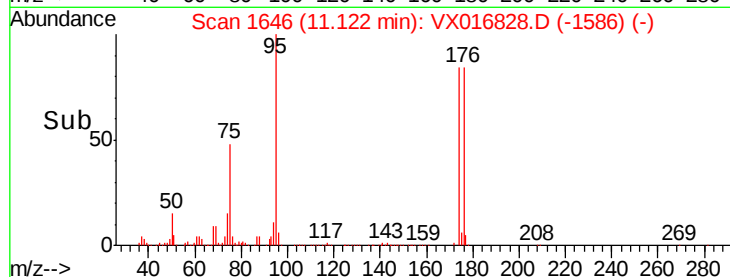
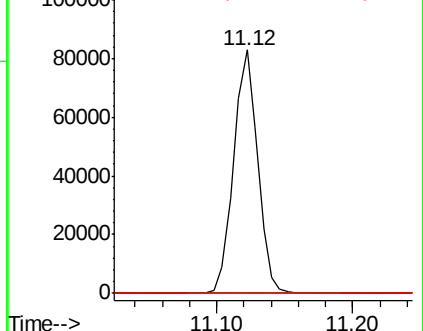
89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#85

sec-Butylbenzene

Concen: 0.221 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016828.D

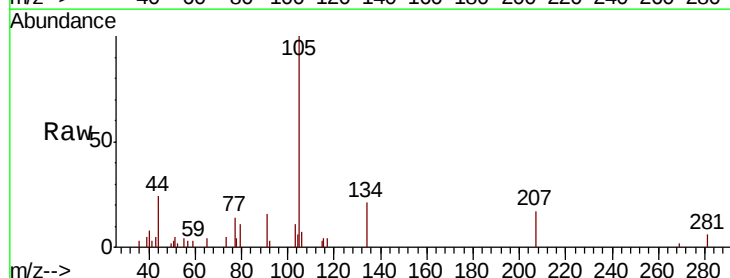
Acq: 17 Jun 2020 19:36

Tgt Ion:105 Resp: 2885

Ion Ratio Lower Upper

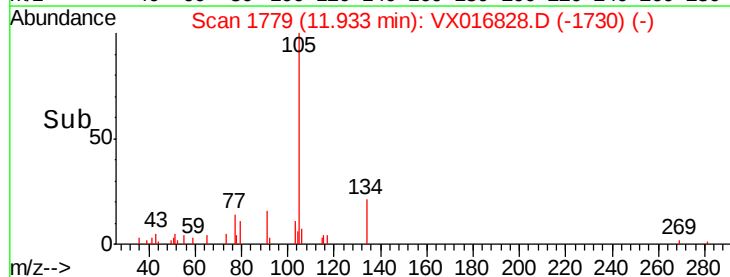
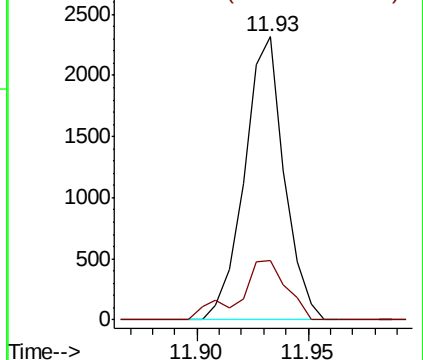
105 100

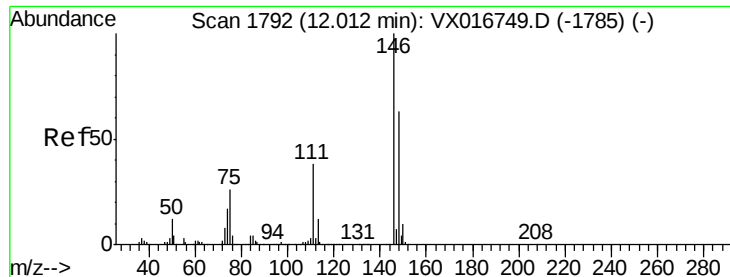
134 25.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#87

1,3-Dichlorobenzene

Concen: 0.412 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

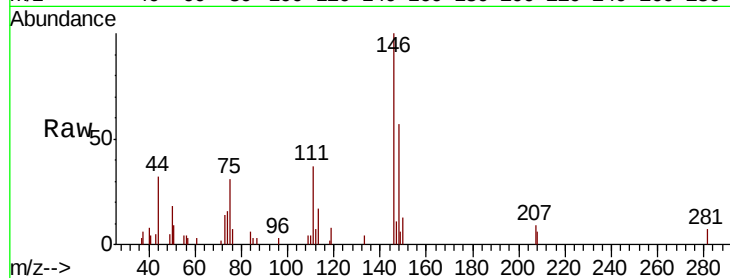
Tot Ion:146 Resp: 2864

Ion Ratio Lower Upper

146 100

111 35.2 19.8 59.3

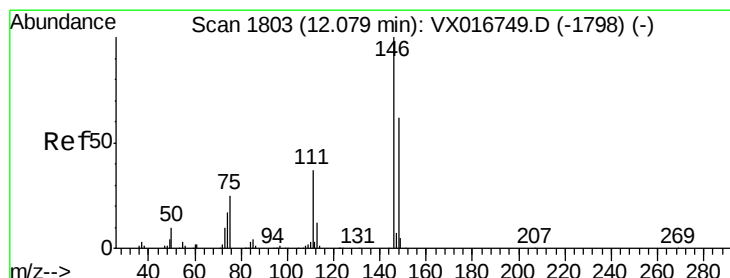
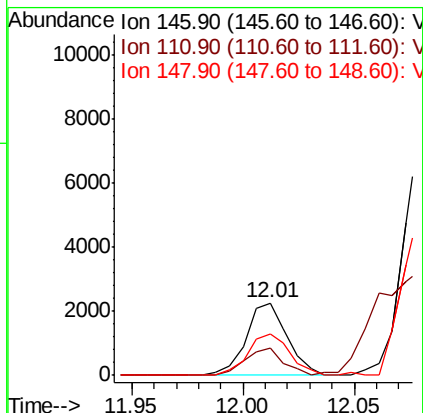
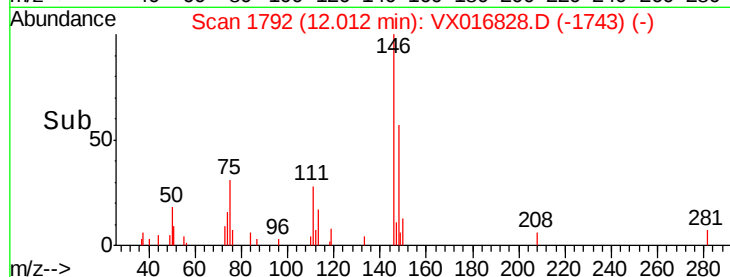
148 59.0 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 0.397 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

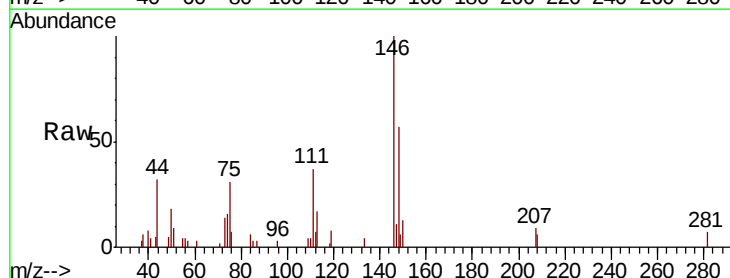
Tgt Ion:146 Resp: 2864

Ion Ratio Lower Upper

146 100

111 35.2 19.3 57.8

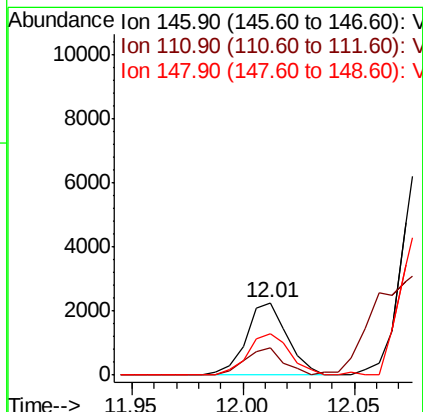
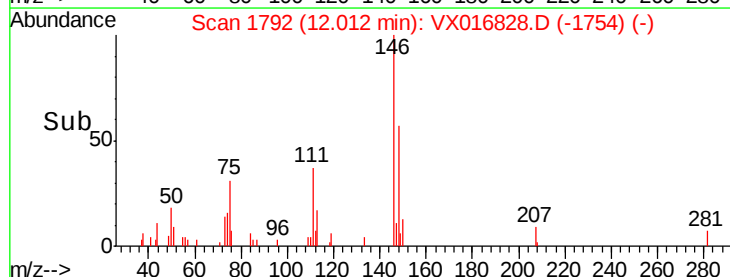
148 59.0 32.1 96.5

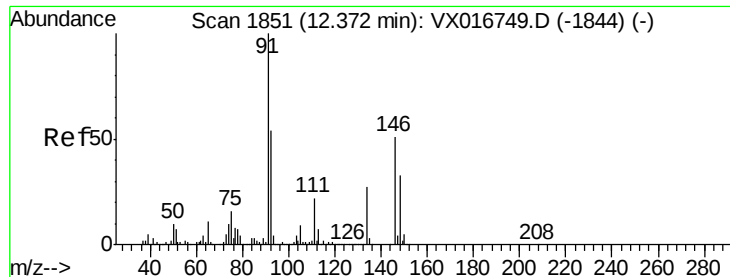


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

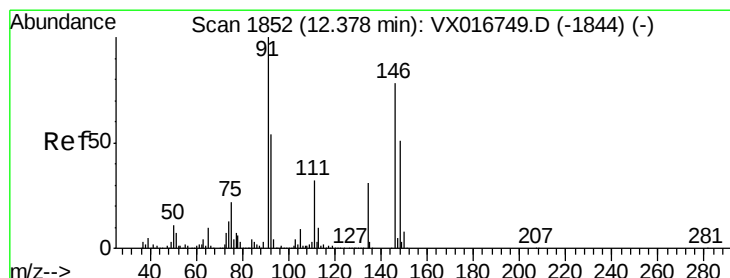
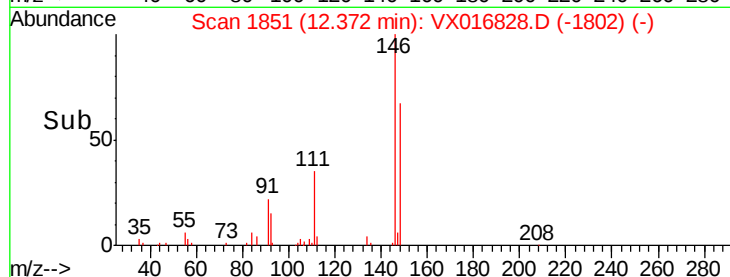
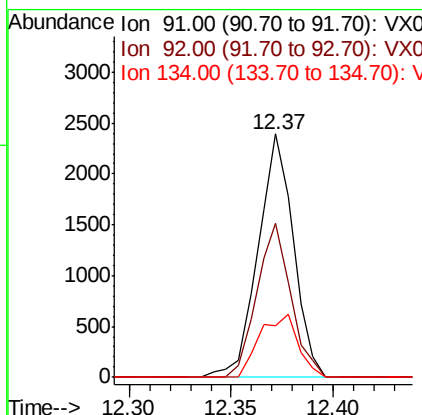
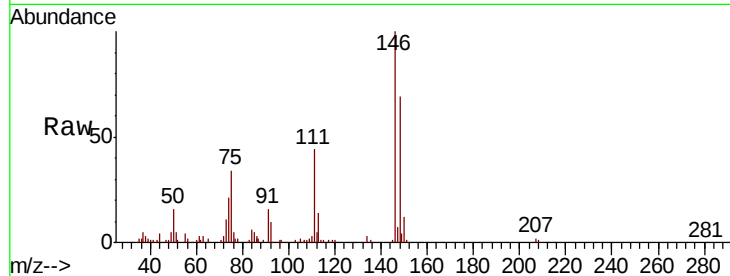




#89
n-Butylbenzene
Concen: 0.278 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

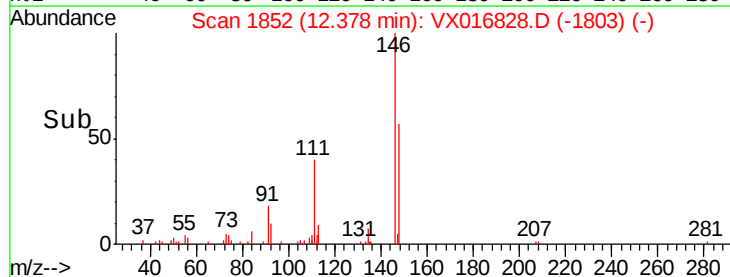
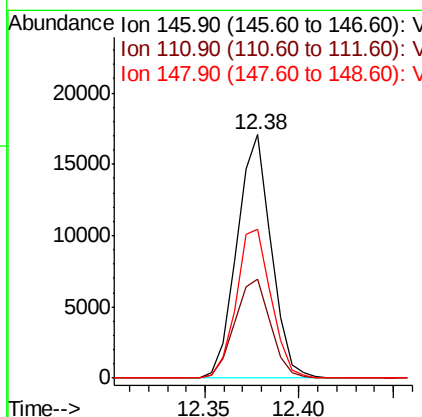
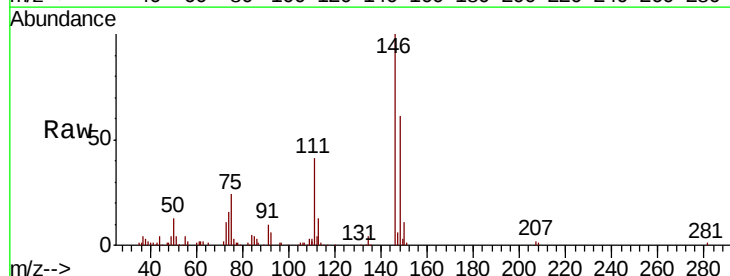
Instrument :
MSVOA_X
ClientSampleId :
LF015MW100-200616

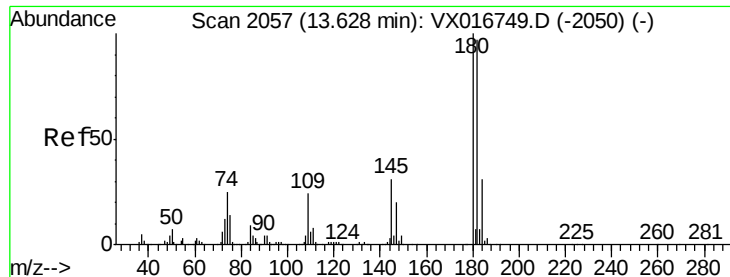
Tot Ion: 91 Resp: 2881
Ion Ratio Lower Upper
91 100
92 60.9 27.0 80.8
134 28.0 13.7 41.0



#91
1,2-Dichlorobenzene
Concen: 3.094 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX016828.D
Acq: 17 Jun 2020 19:36

Tgt Ion: 146 Resp: 21504
Ion Ratio Lower Upper
146 100
111 42.2 20.8 62.2
148 62.6 32.1 96.5

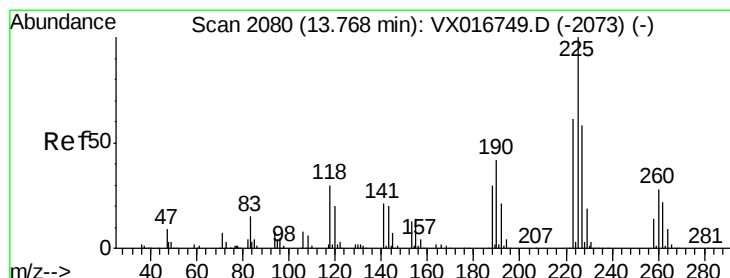
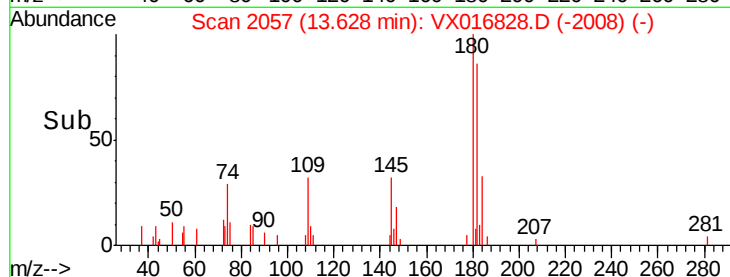
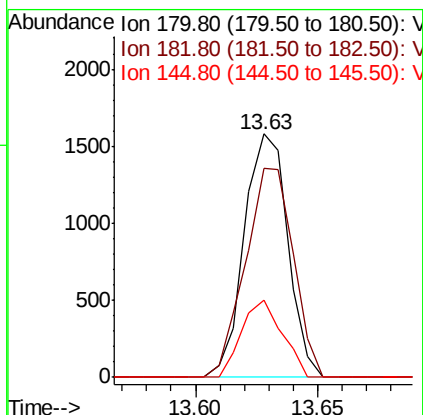
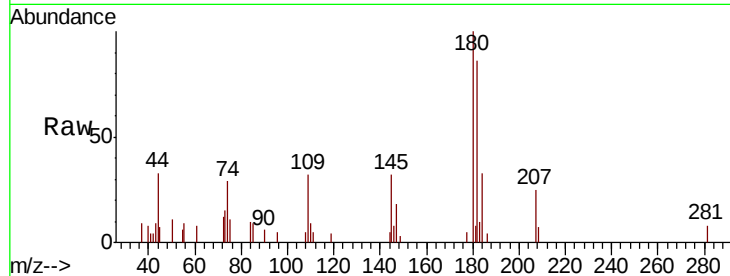




#93
 1,2,4-Trichlorobenzene
 Concen: 0.404 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016828.D
 Acq: 17 Jun 2020 19:36

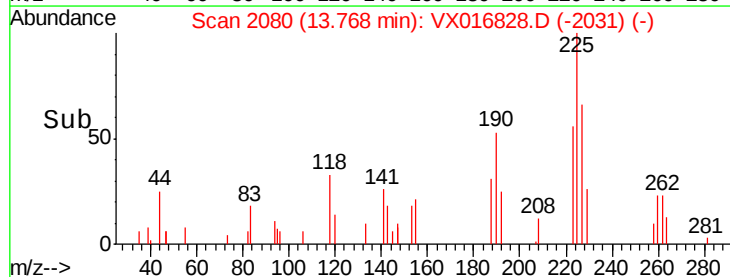
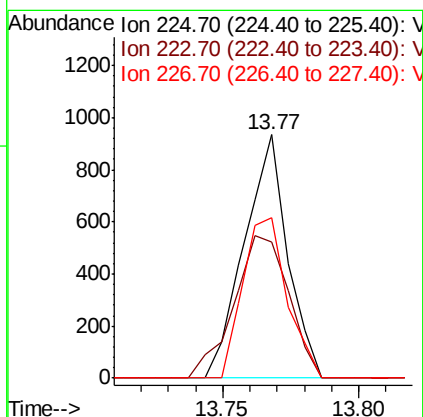
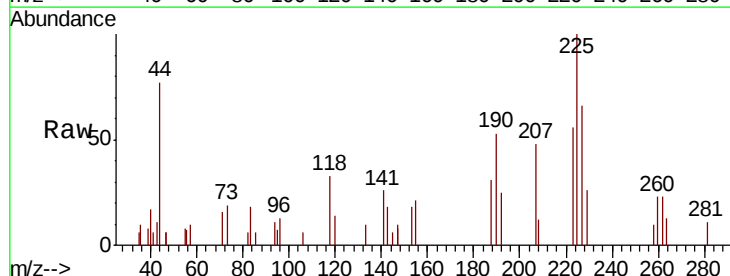
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW100-200616

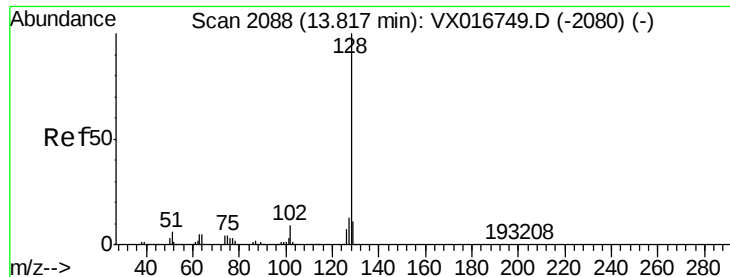
Tot Ion:180 Resp: 1965
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.6 145.8
 145 29.5 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 0.890 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016828.D
 Acq: 17 Jun 2020 19:36

Tgt Ion:225 Resp: 1029
 Ion Ratio Lower Upper
 225 100
 223 74.1 31.1 93.5
 227 67.2 30.9 92.7





#95

Naphthalene

Concen: 0.266 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

LF015MW100-200616

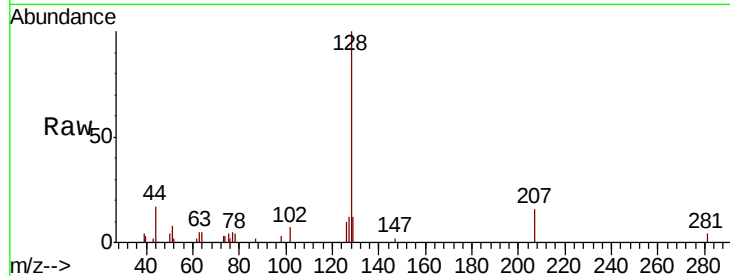
Tot Ion:128 Resp: 4059

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

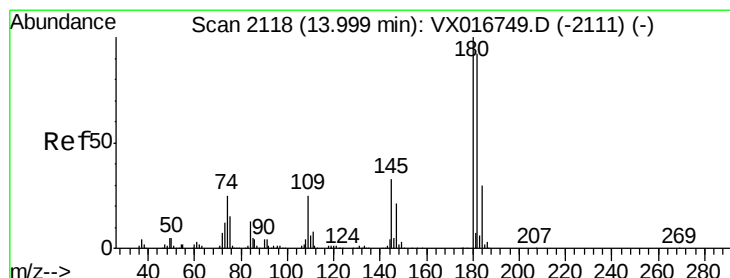
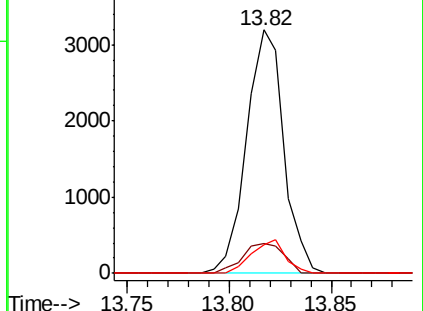
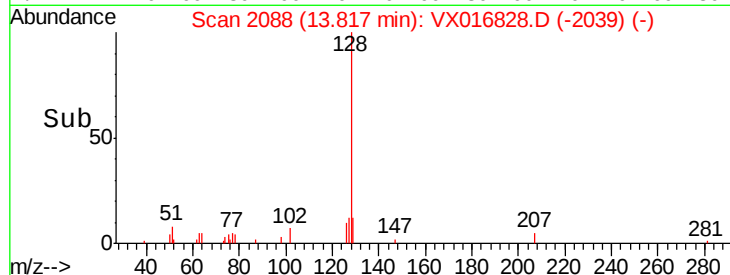
129 12.4 8.8 13.2



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: 0.331 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016828.D

Acq: 17 Jun 2020 19:36

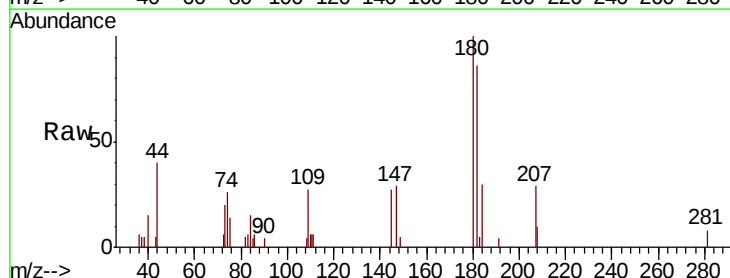
Tgt Ion:180 Resp: 1585

Ion Ratio Lower Upper

180 100

182 100.9 47.1 141.4

145 30.4 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

