

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
 Data File : VX016820.D
 Acq On : 17 Jun 2020 16:37
 Operator : JC/SP
 Sample : L3005-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-200611

Quant Time: Jun 18 00:45:16 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	254107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	402290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	411123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208266	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	140407	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	5.46	113	119884	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.70	98	491499	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	11.12	95	197534	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	

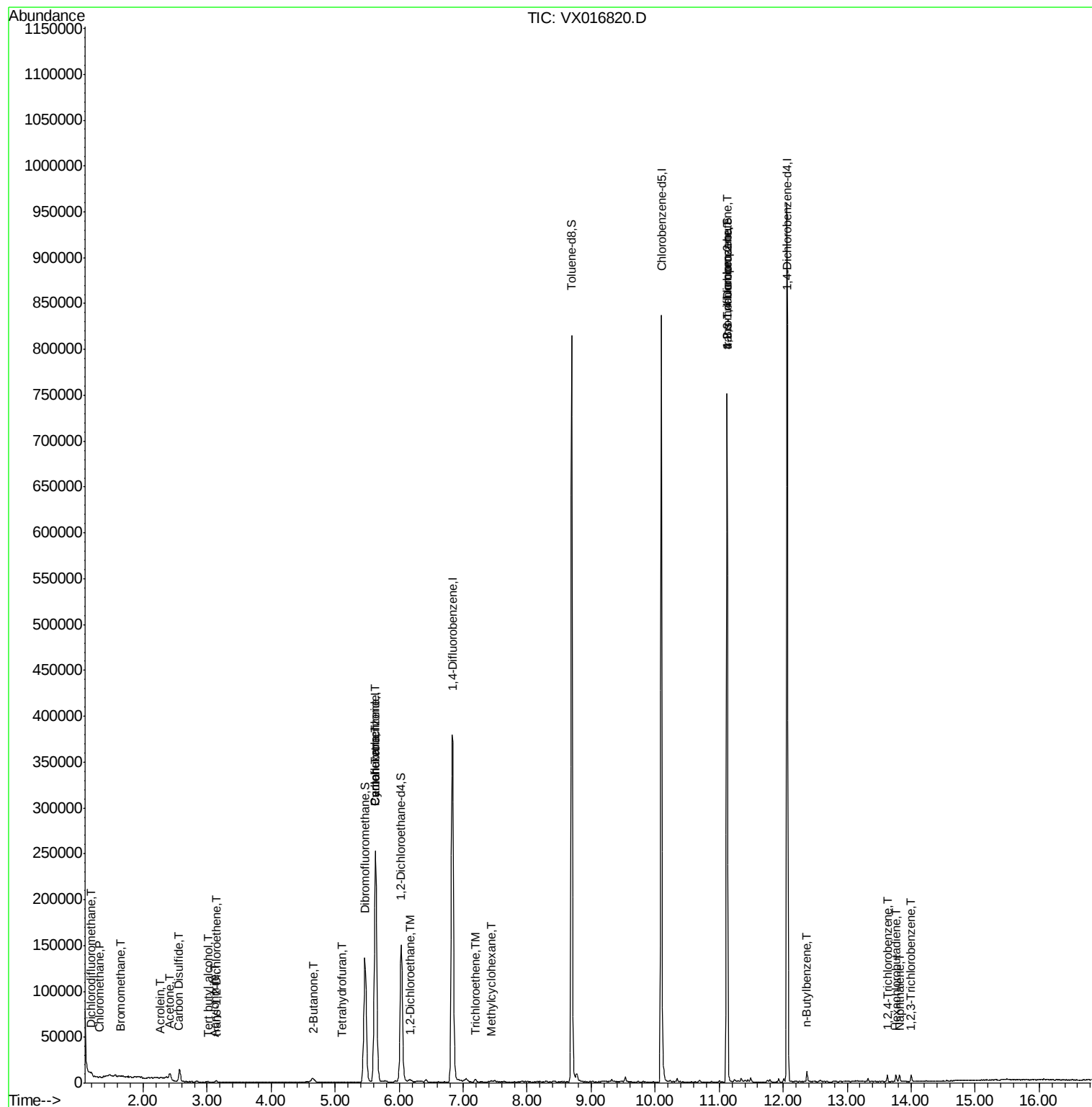
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	226	0.224	ug/l #	48
3) Chloromethane	1.31	50	854	0.308	ug/l	98
5) Bromomethane	1.64	94	728	0.396	ug/l #	66
11) Tert butyl alcohol	3.01	59	316	0.440	ug/l #	87
13) Acrolein	2.26	56	215	3.003	ug/l #	1
15) Acrylonitrile	3.12	53	464	0.318	ug/l #	84
16) Acetone	2.42	43	6219	4.797	ug/l #	88
17) Carbon Disulfide	2.55	76	2229	0.313	ug/l #	79
21) trans-1,2-Dichloroethene	3.14	96	585	0.219	ug/l	80
25) 2-Butanone	4.66	43	679	0.347	ug/l #	44
29) Tetrahydrofuran	5.11	42	386	0.305	ug/l #	32
31) Cyclohexane	5.63	56	4190	1.819	ug/l #	1
38) Carbon Tetrachloride	5.63	117	23623	5.851	ug/l #	17
39) Methylcyclohexane	7.44	83	584	1.092	ug/l #	63
42) 1,2-Dichloroethane	6.16	62	1410	0.357	ug/l	85
44) Trichloroethene	7.19	130	1275	0.381	ug/l	76
76) 1,2,3-Trichloropropane	11.12	75	94405	21.555	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	94405	54.264	ug/l #	13
89) n-Butylbenzene	12.37	91	3215	0.331	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	1974	0.432	ug/l	96
94) Hexachlorobutadiene	13.77	225	1140	0.976	ug/l	96
95) Naphthalene	13.82	128	4036	0.282	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.00	180	1801	0.401	ug/l	89

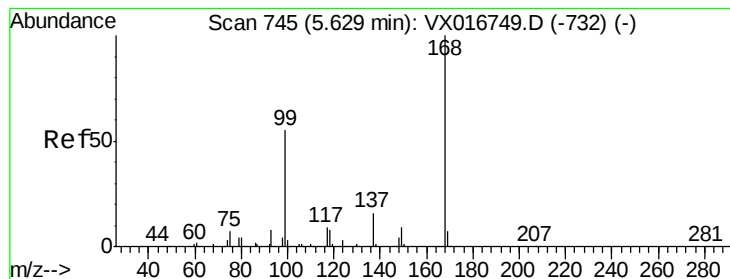
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061720\
Data File : VX016820.D
Acq On : 17 Jun 2020 16:37
Operator : JC/SP
Sample : L3005-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-200611

Quant Time: Jun 18 00:45:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

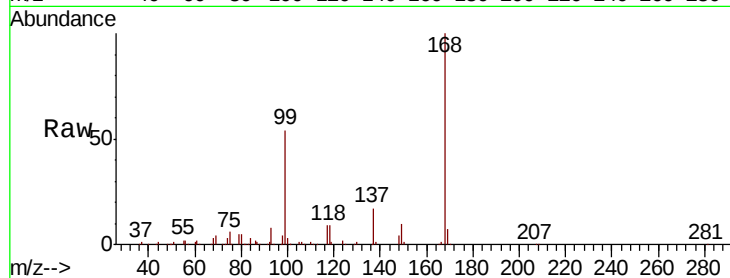
LF017MW004-200611

Tot Ion:168 Resp: 254107

Ion Ratio Lower Upper

168 100

99 54.3 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

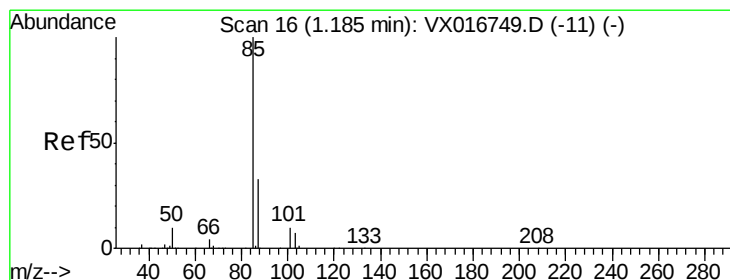
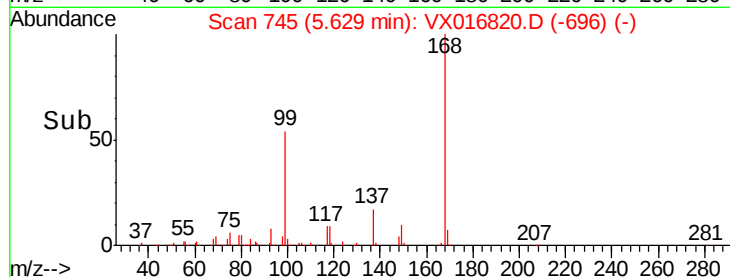
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 0.224 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016820.D

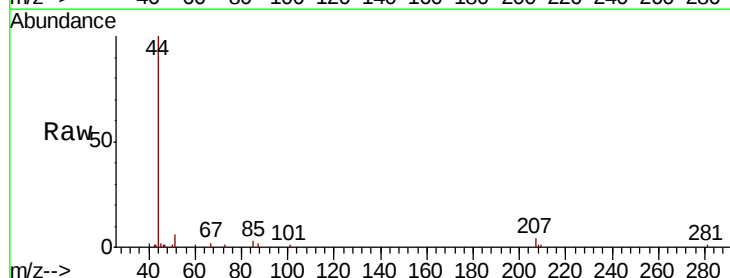
Acq: 17 Jun 2020 16:37

Tgt Ion: 85 Resp: 226

Ion Ratio Lower Upper

85 100

87 62.2 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

250

200

150

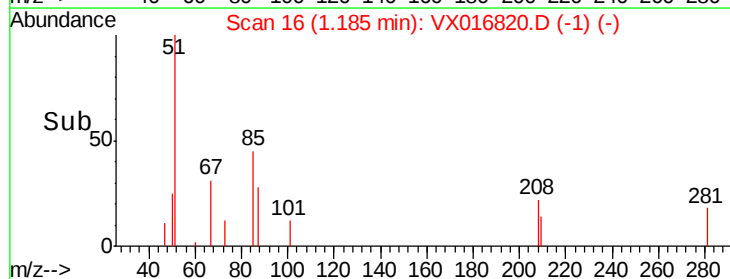
100

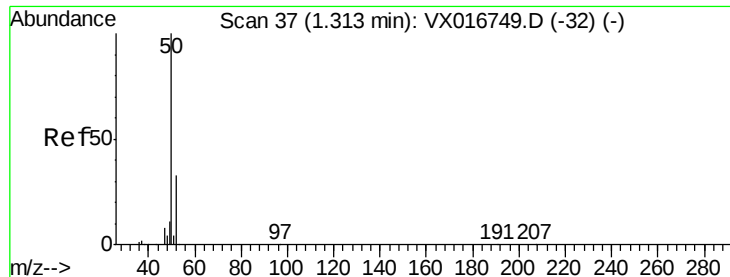
50

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.308 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

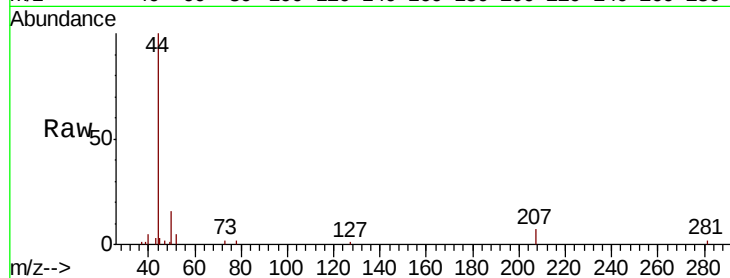
LF017MW004-200611

Tot Ion: 50 Resp: 854

Ion Ratio Lower Upper

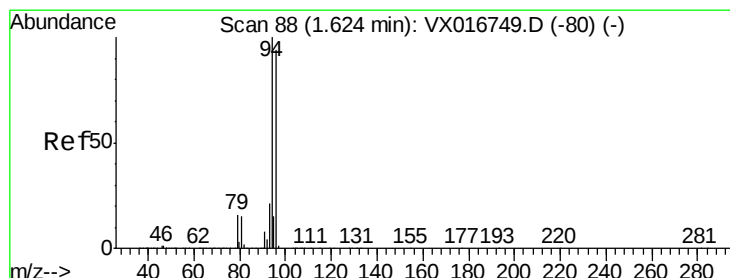
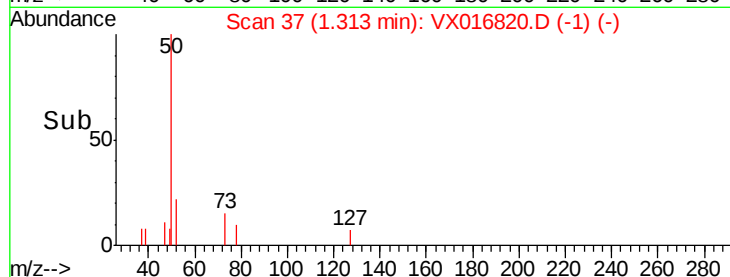
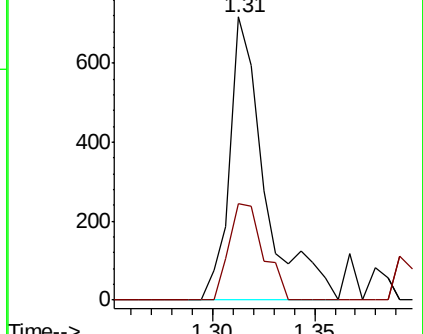
50 100

52 34.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.396 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016820.D

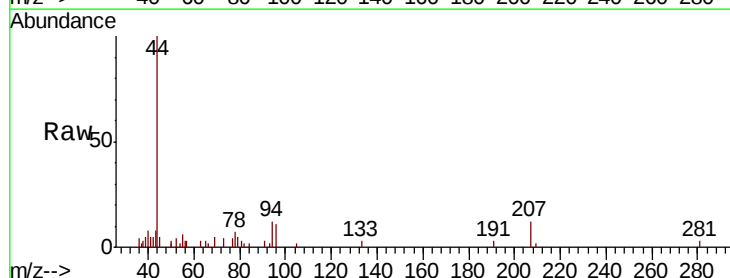
Acq: 17 Jun 2020 16:37

Tgt Ion: 94 Resp: 728

Ion Ratio Lower Upper

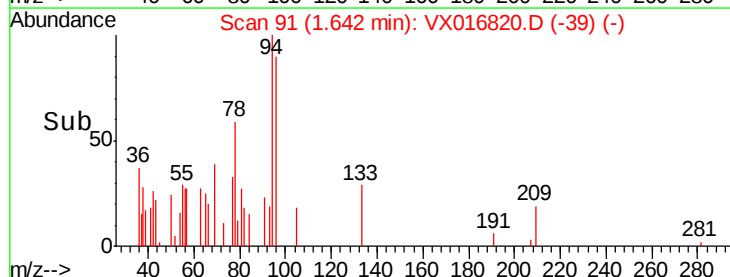
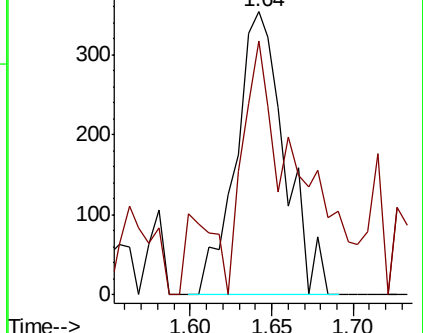
94 100

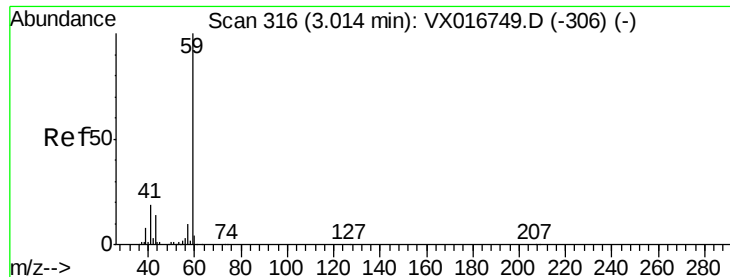
96 61.2 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



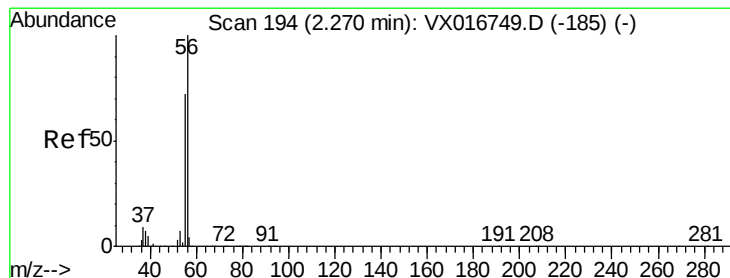
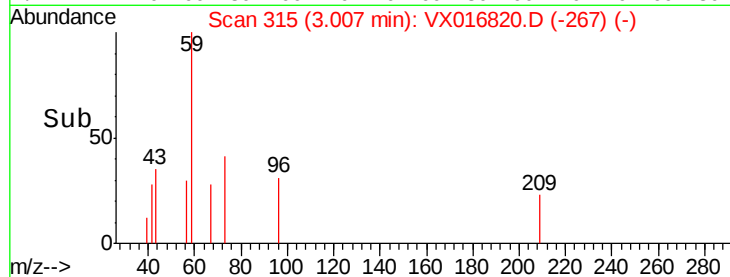
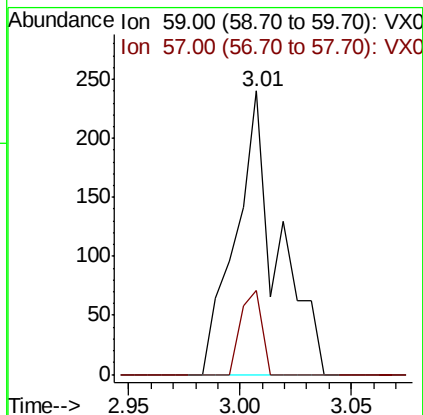
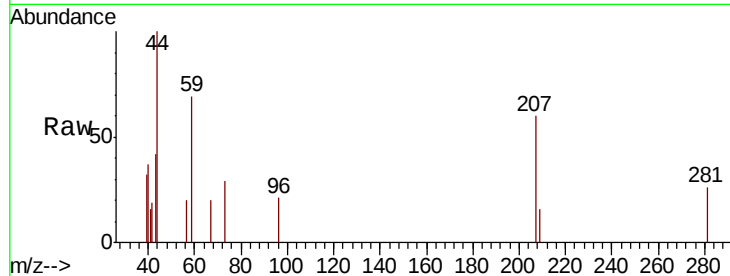


#11

Tert butyl alcohol
 Concen: 0.440 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016820.D
 Acq: 17 Jun 2020 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-200611

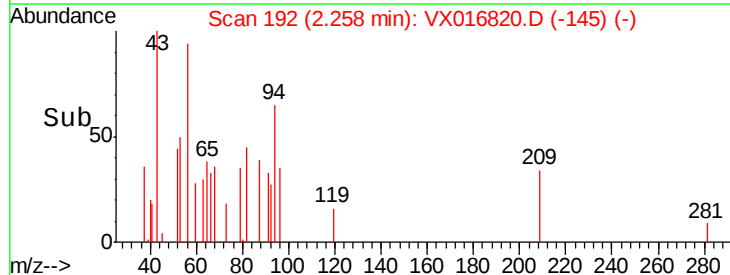
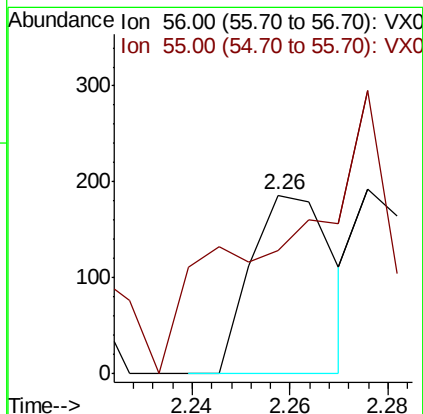
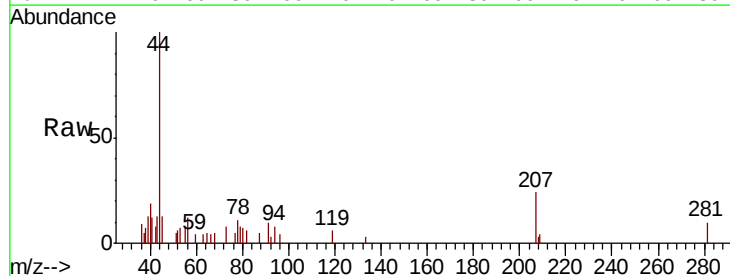
Tot Ion: 59 Resp: 316
 Ion Ratio Lower Upper
 59 100
 57 14.9 8.2 12.2#

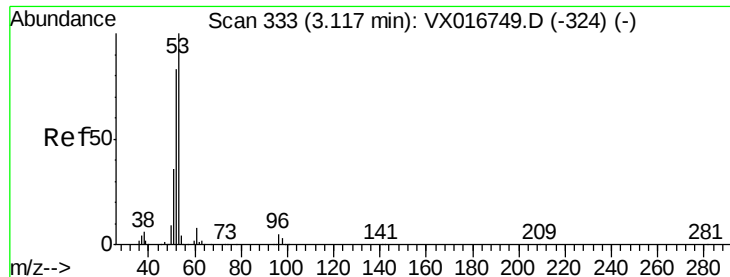


#13

Acrolein
 Concen: 3.003 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VX016820.D
 Acq: 17 Jun 2020 16:37

Tgt Ion: 56 Resp: 215
 Ion Ratio Lower Upper
 56 100
 55 302.3 58.2 87.4#





#15

Acrylonitrile

Concen: 0.318 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

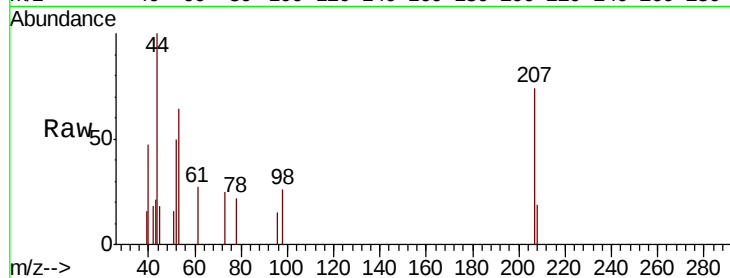
MSVOA_X

ClientSampleId :

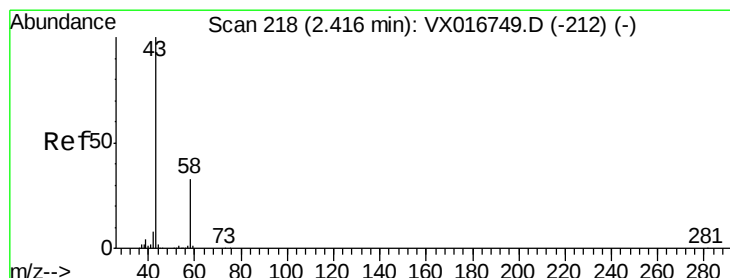
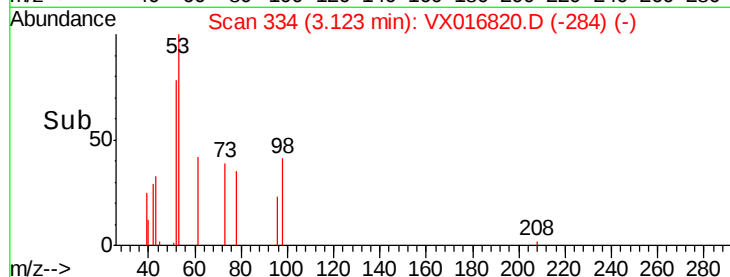
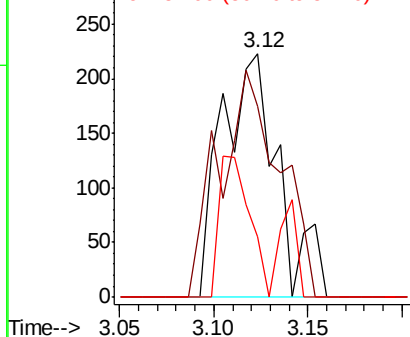
LF017MW004-200611

Tot Ion: 53 Resp: 464

Ion	Ratio	Lower	Upper
53	100		
52	99.4	65.5	98.3#
51	31.3	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: 4.797 ug/l

RT: 2.42 min Scan# 218

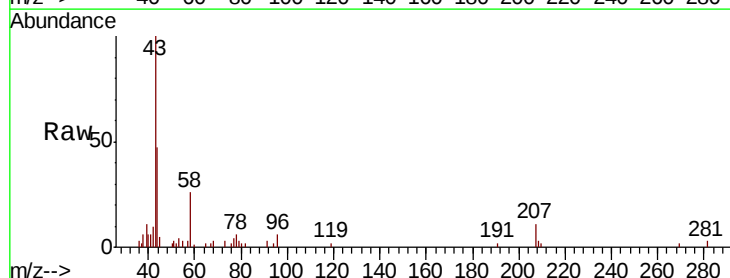
Delta R.T. -0.00 min

Lab File: VX016820.D

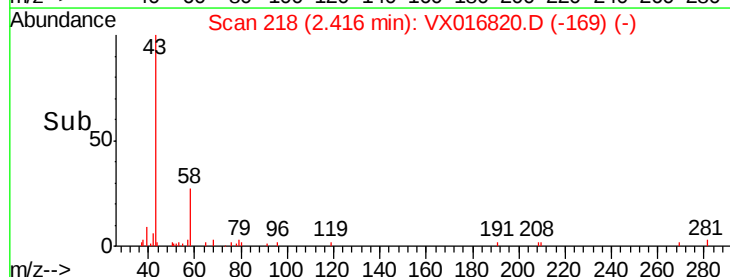
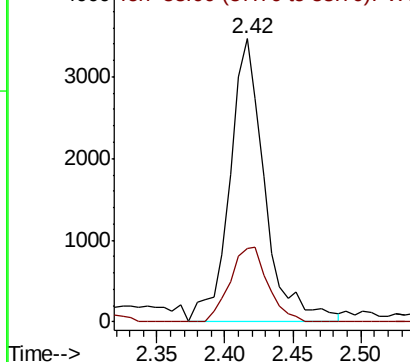
Acq: 17 Jun 2020 16:37

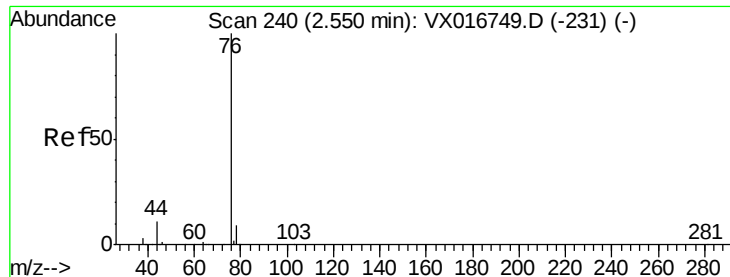
Tgt Ion: 43 Resp: 6219

Ion	Ratio	Lower	Upper
43	100		
58	25.9	26.3	39.5#



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

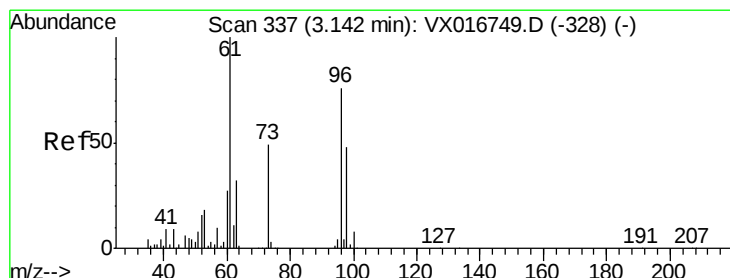
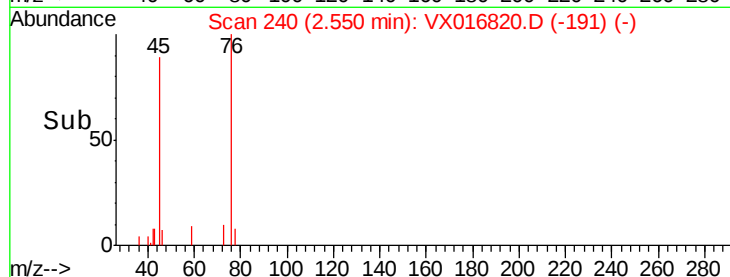
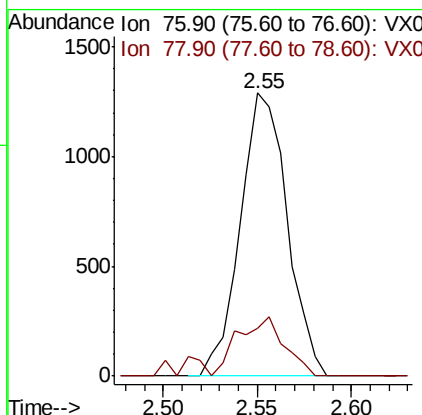
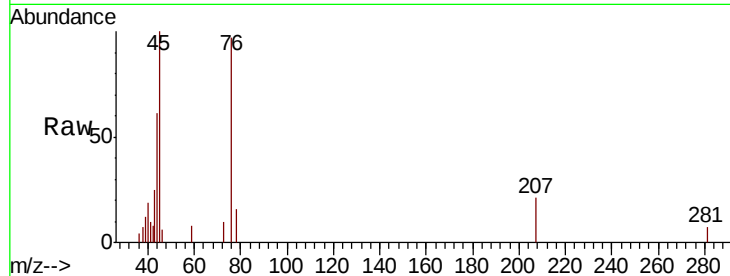




#17
Carbon Disulfide
Concen: 0.313 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

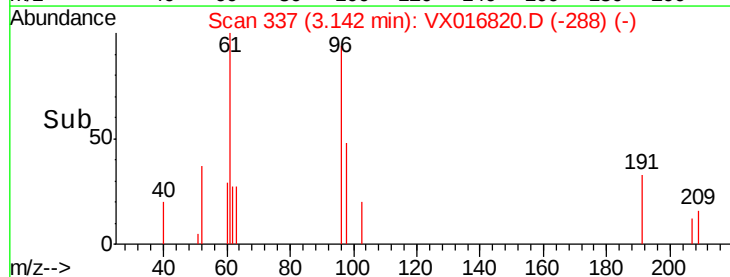
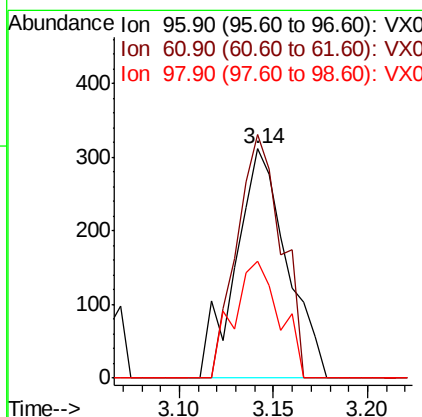
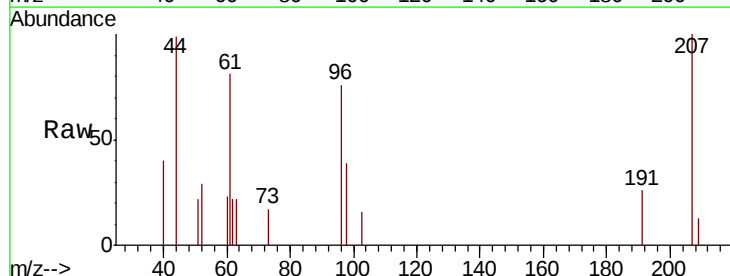
Instrument :
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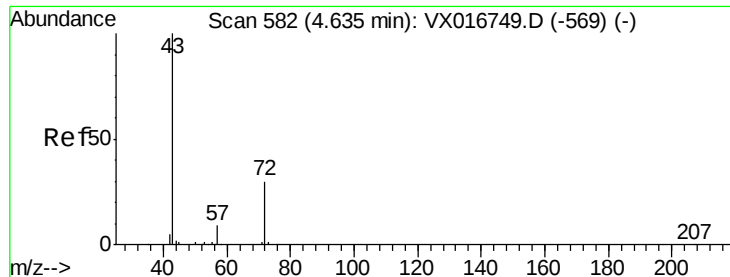
Tot Ion: 76 Resp: 2229
Ion Ratio Lower Upper
76 100
78 16.8 7.3 10.9#



#21
trans-1,2-Dichloroethene
Concen: 0.219 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

Tgt Ion: 96 Resp: 585
Ion Ratio Lower Upper
96 100
61 106.4 105.4 158.2
98 51.1 50.8 76.2





#25

2-Butanone

Concen: 0.347 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

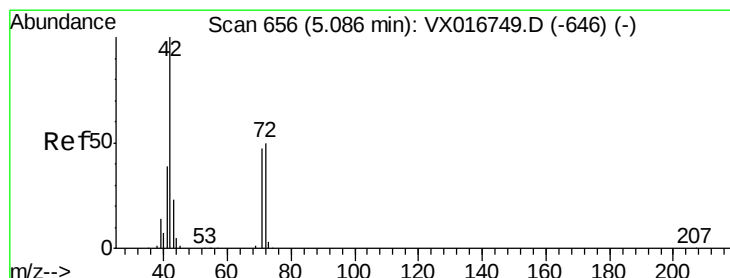
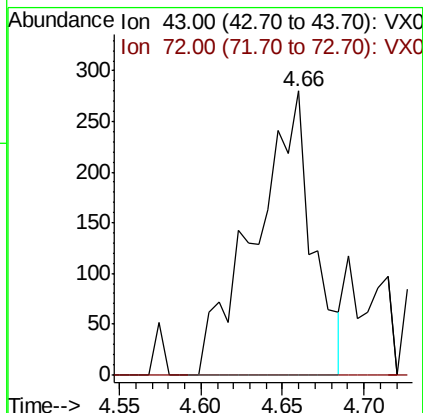
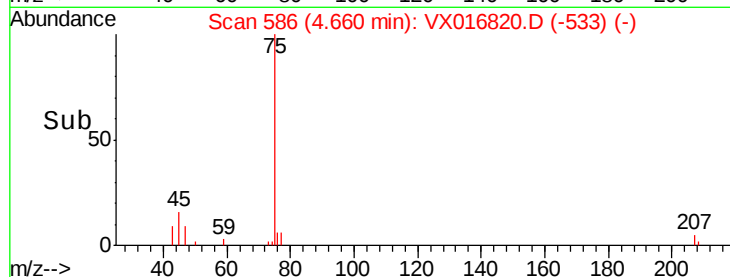
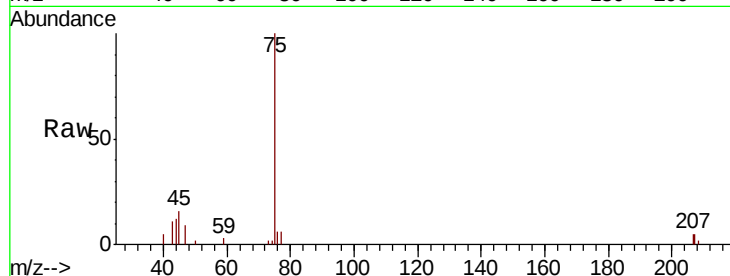
LF017MW004-200611

Tot Ion: 43 Resp: 679

Ion Ratio Lower Upper

43 100

72 0.0 24.2 36.4#



#29

Tetrahydrofuran

Concen: 0.305 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

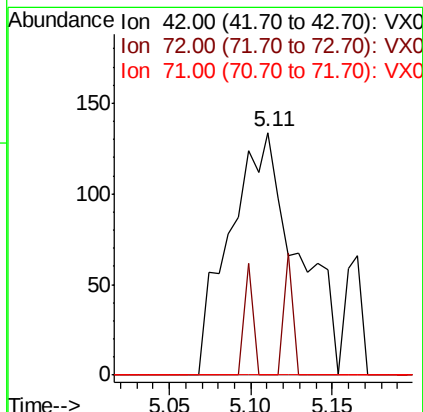
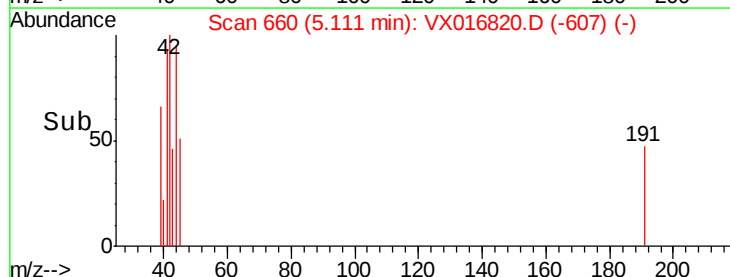
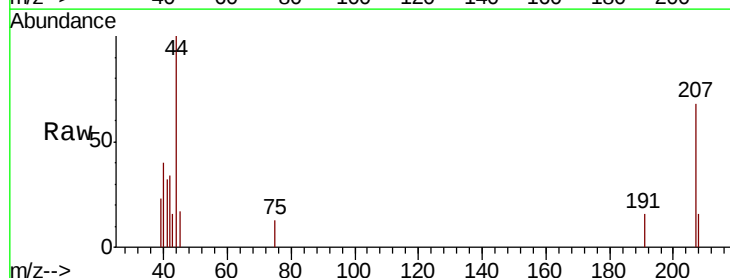
Tgt Ion: 42 Resp: 386

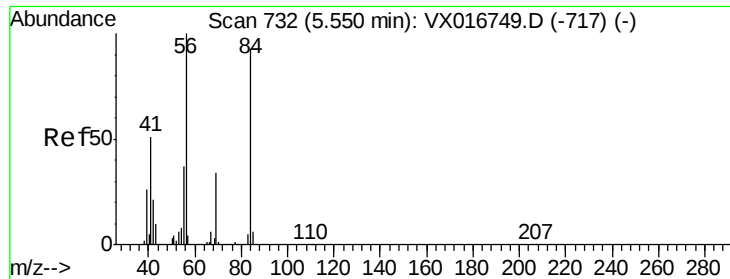
Ion Ratio Lower Upper

42 100

72 6.0 41.0 61.6#

71 0.0 38.2 57.4#

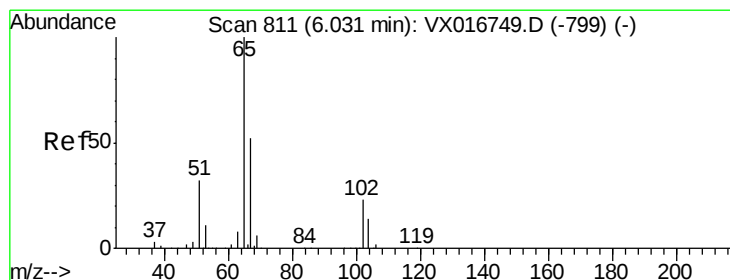
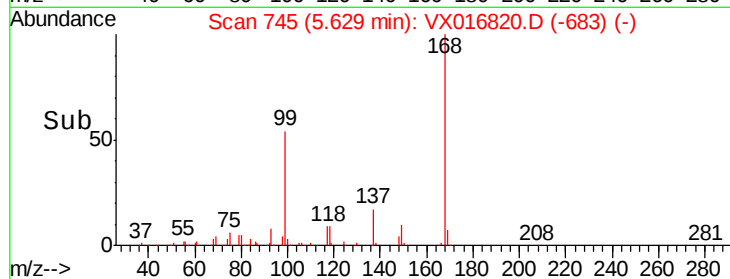
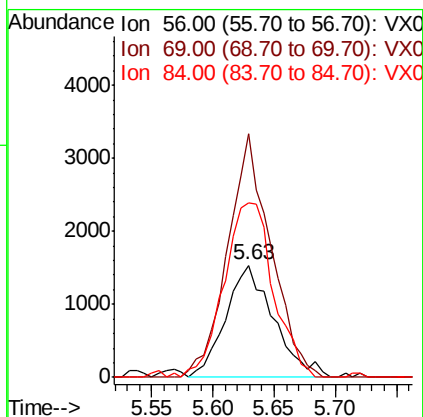
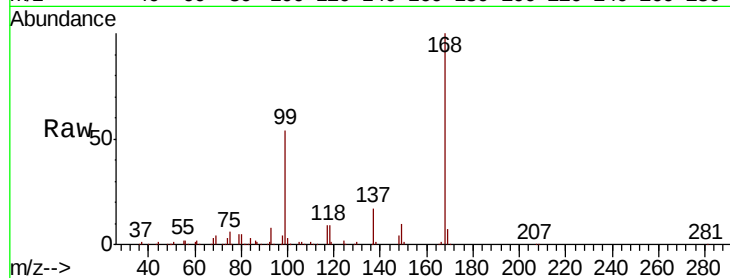




#31
Cyclohexane
Concen: 1.819 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

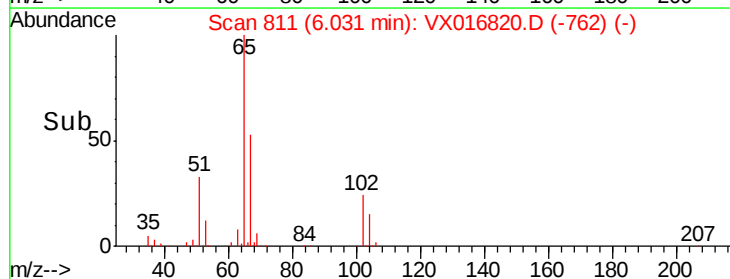
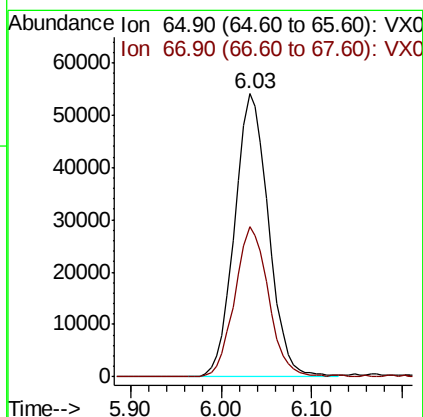
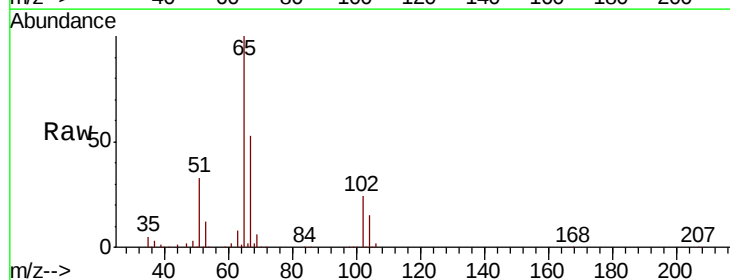
Instrument :
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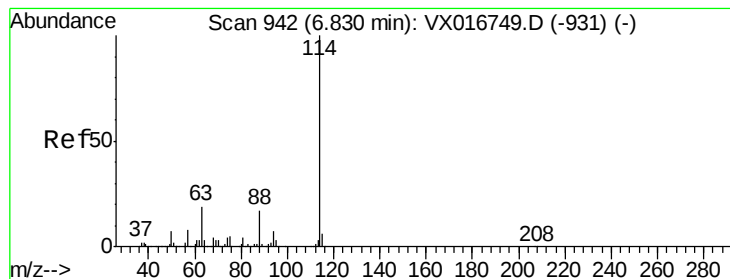
Tot Ion: 56 Resp: 4190
Ion Ratio Lower Upper
56 100
69 217.5 27.1 40.7#
84 156.3 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 49.127 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

Tgt Ion: 65 Resp: 140407
Ion Ratio Lower Upper
65 100
67 52.7 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: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-200611

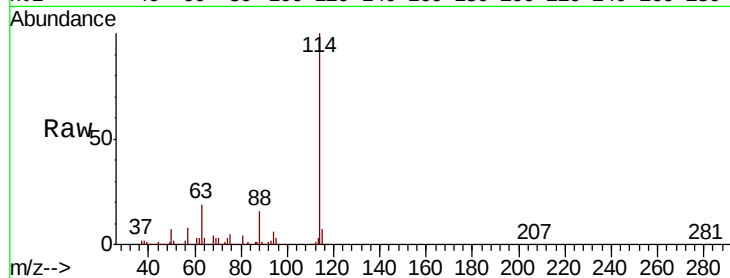
Tot Ion:114 Resp: 402290

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

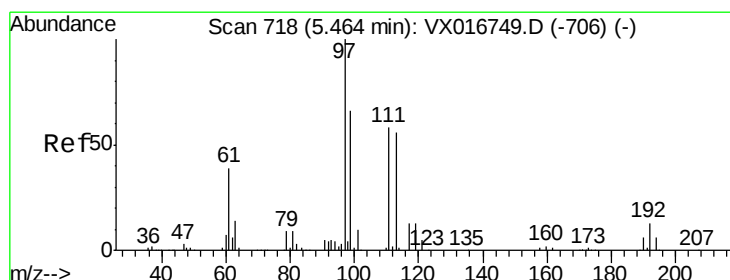
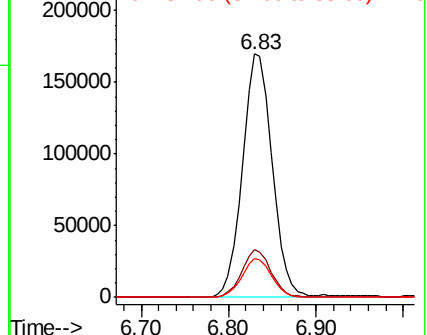
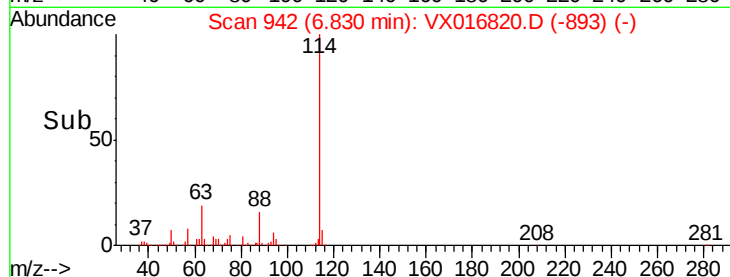
88 15.8 0.0 33.4



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: 48.300 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

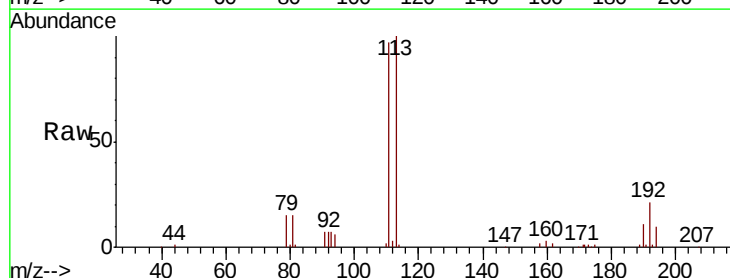
Tgt Ion:113 Resp: 119884

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

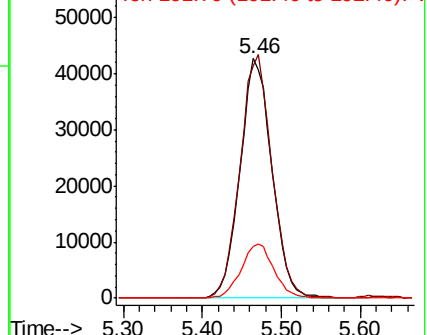
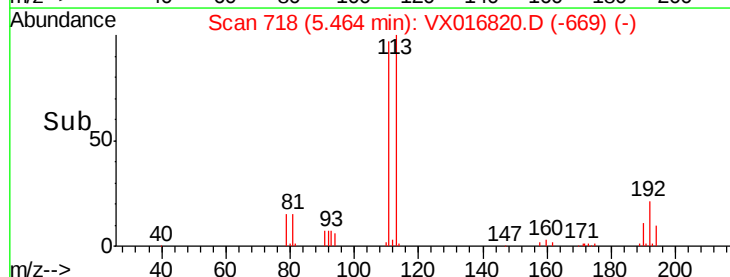
192 23.1 18.2 27.4

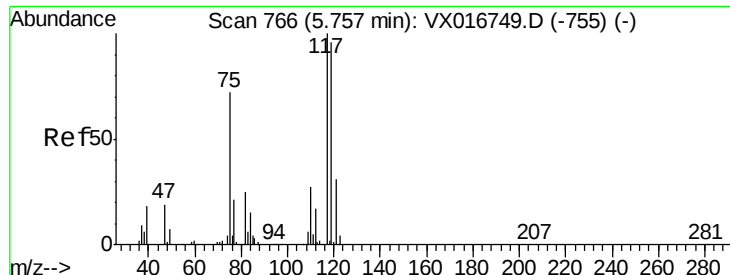


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-200611

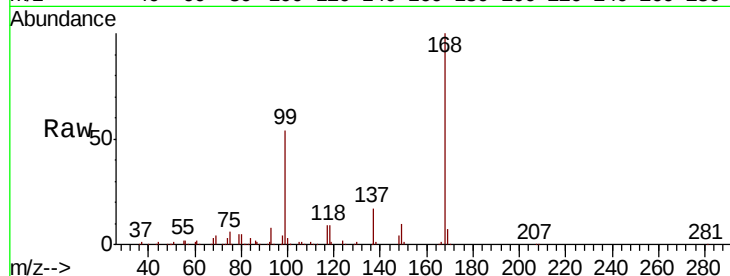
Tot Ion:117 Resp: 23623

Ion Ratio Lower Upper

117 100

119 6.1 76.7 115.1#

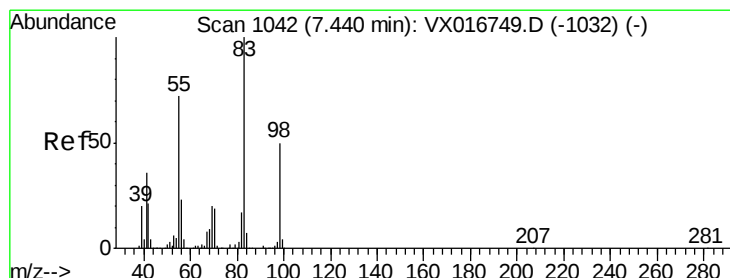
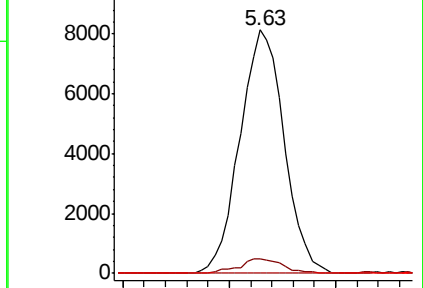
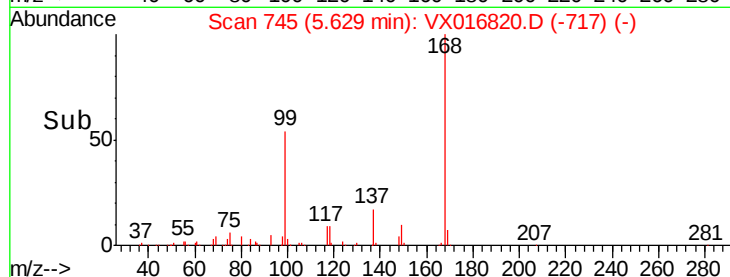
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.092 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

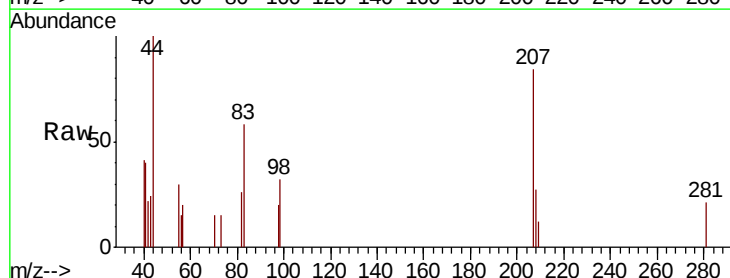
Tgt Ion: 83 Resp: 584

Ion Ratio Lower Upper

83 100

55 52.4 57.3 85.9#

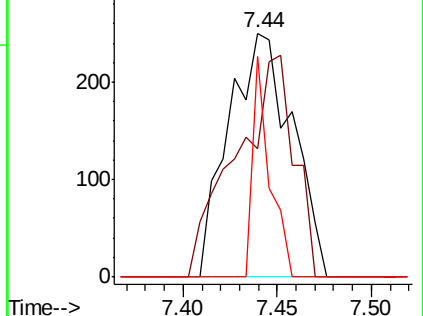
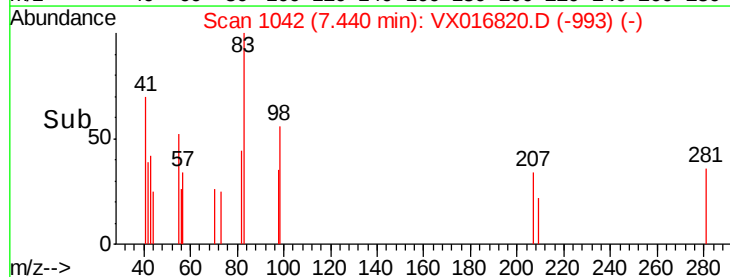
98 90.4 40.3 60.5#

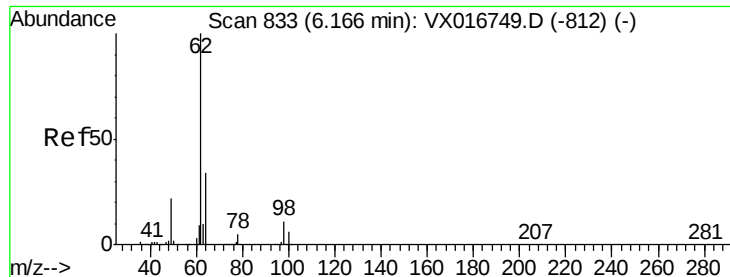


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#42

1,2-Dichloroethane

Concen: 0.357 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

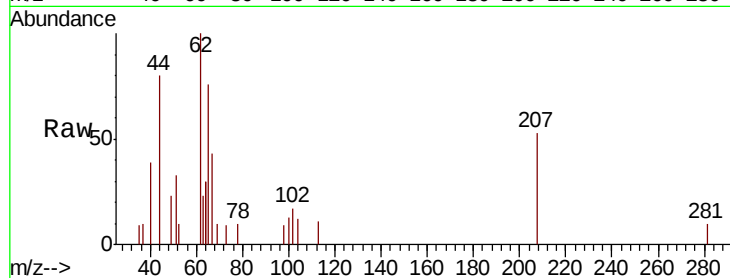
LF017MW004-200611

Tot Ion: 62 Resp: 1410

Ion Ratio Lower Upper

62 100

98 4.5 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.16

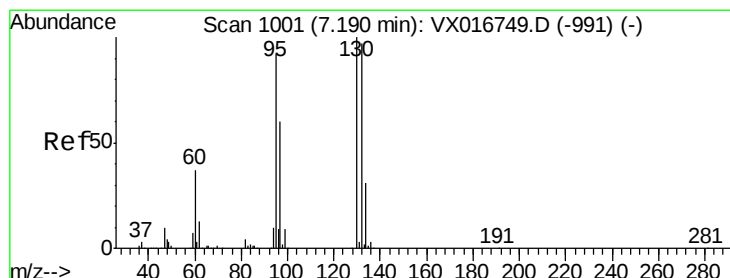
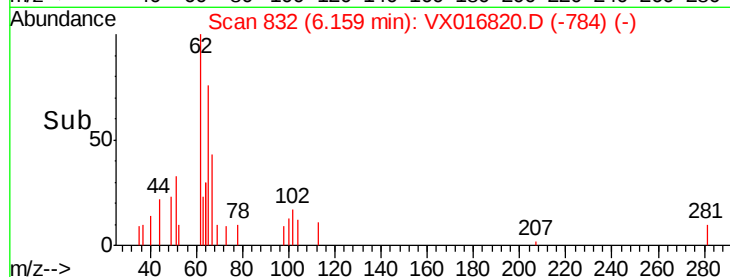
600

400

200

0

Time-->



#44

Trichloroethene

Concen: 0.381 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016820.D

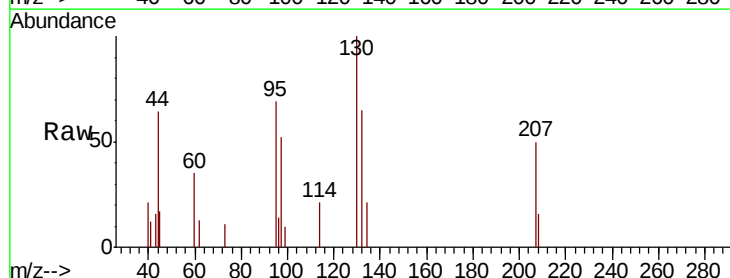
Acq: 17 Jun 2020 16:37

Tgt Ion:130 Resp: 1275

Ion Ratio Lower Upper

130 100

95 68.6 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

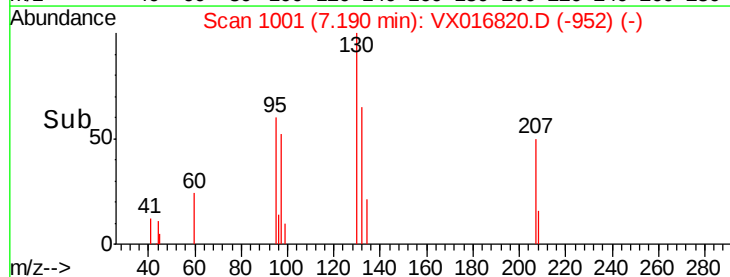
600

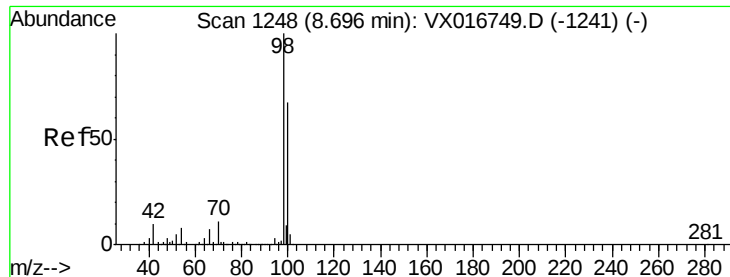
400

200

0

Time-->

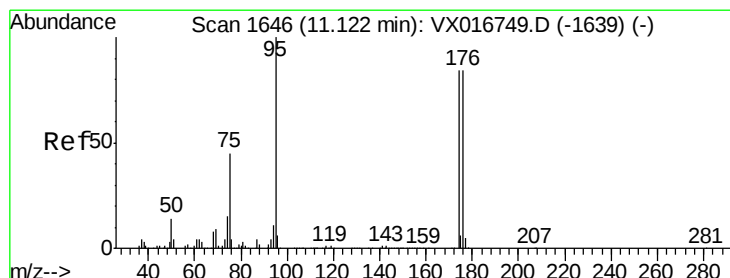
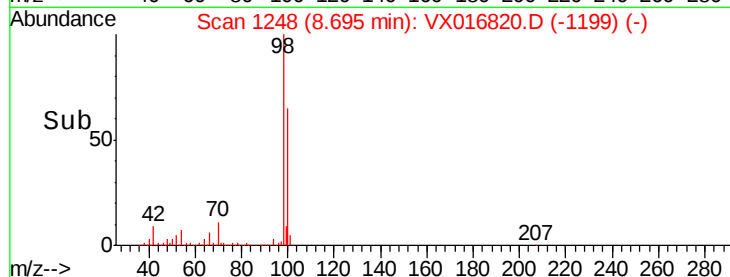
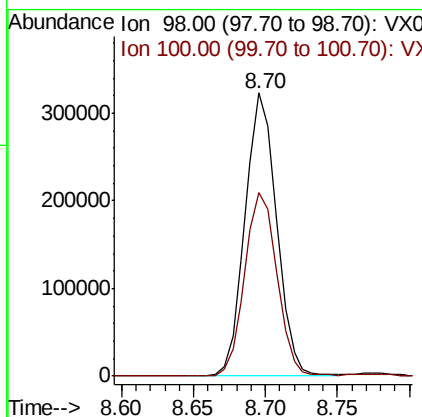
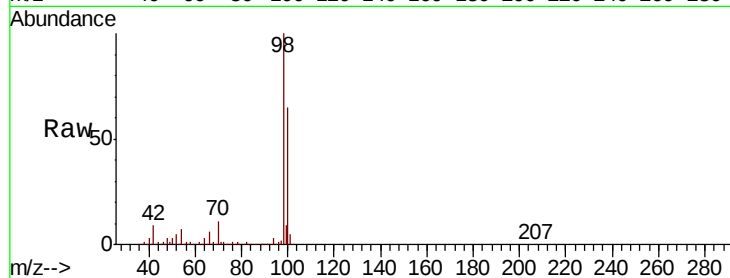




#50
Toluene-d8
Concen: 53.704 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

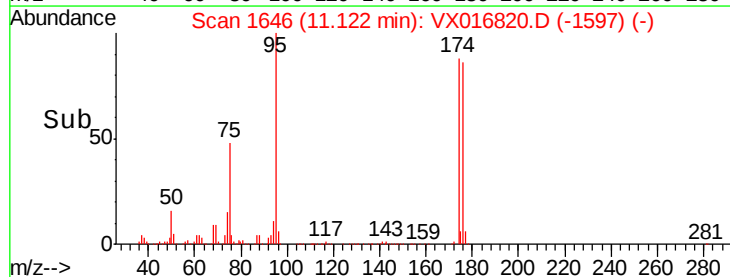
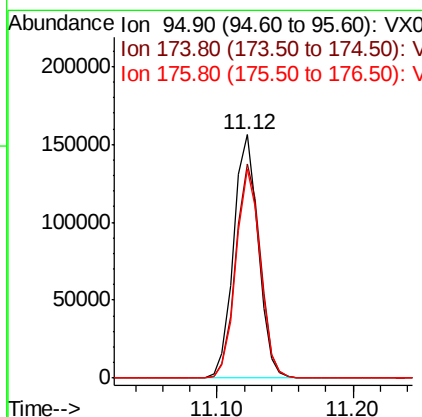
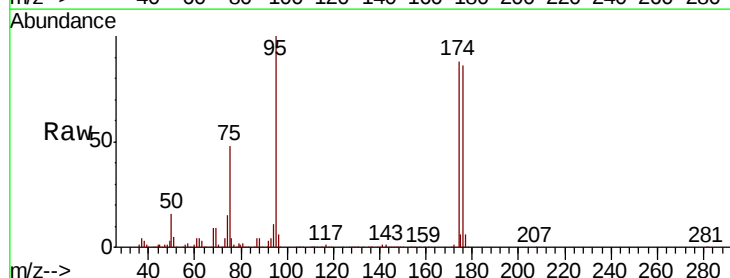
Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-200611

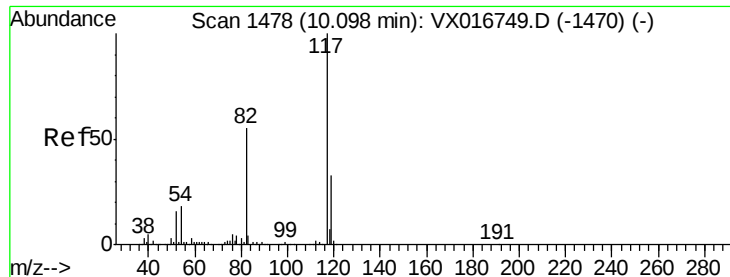
Tot Ion: 98 Resp: 491499
Ion Ratio Lower Upper
98 100
100 66.2 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 56.428 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

Tgt Ion: 95 Resp: 197534
Ion Ratio Lower Upper
95 100
174 88.6 0.0 171.0
176 85.0 0.0 166.2

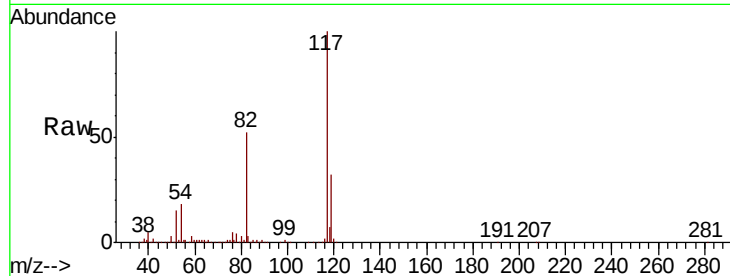




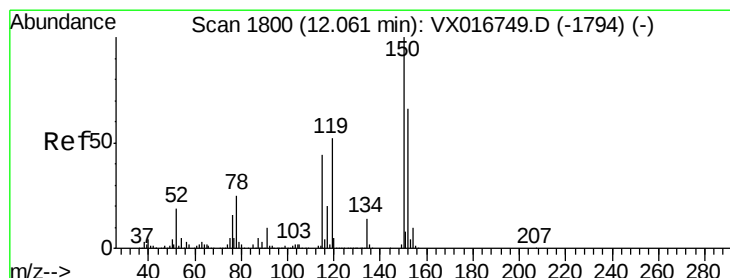
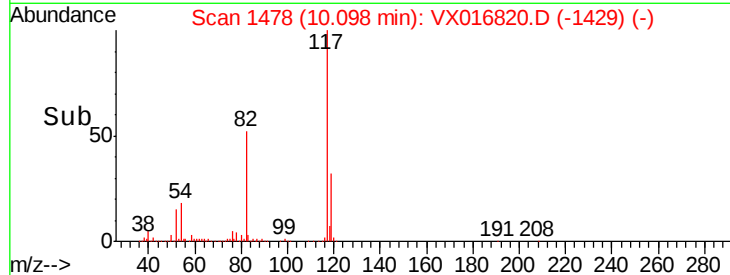
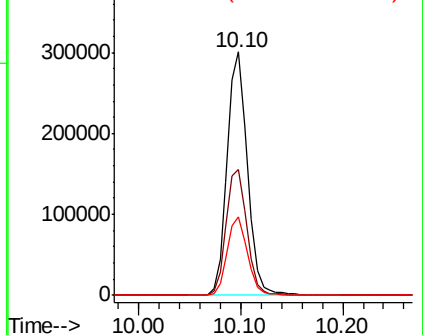
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-200611

Tot Ion:117 Resp: 411123
Ion Ratio Lower Upper
117 100
82 51.9 43.8 65.6
119 32.4 26.2 39.4

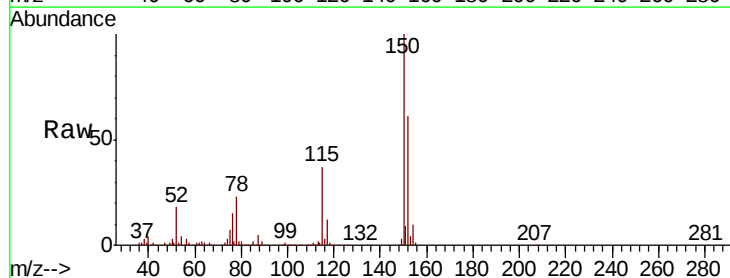


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

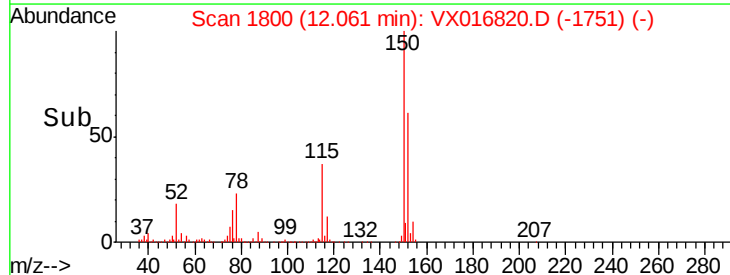
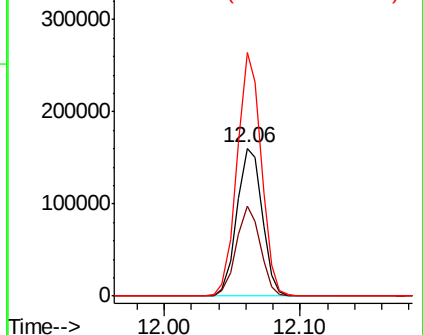


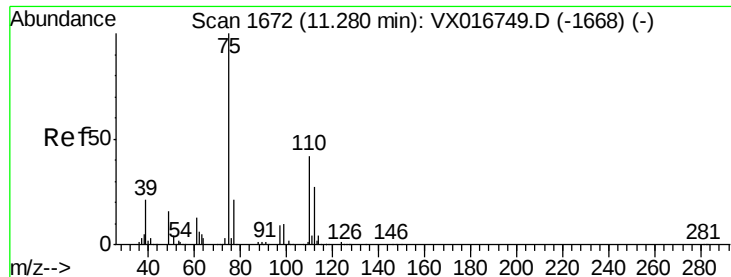
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

Tgt Ion:152 Resp: 208266
Ion Ratio Lower Upper
152 100
115 57.8 40.3 120.8
150 156.9 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





#76

1,2,3-Trichloropropane

Concen: 21.555 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

MSVOA_X

ClientSampleId :

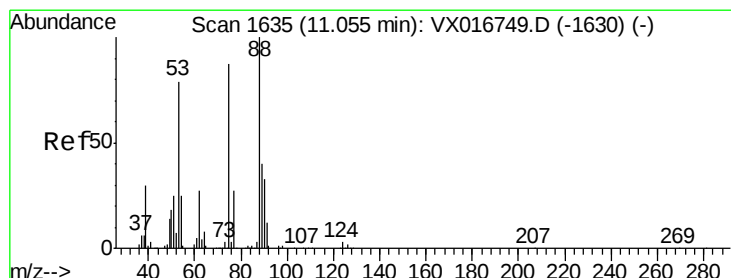
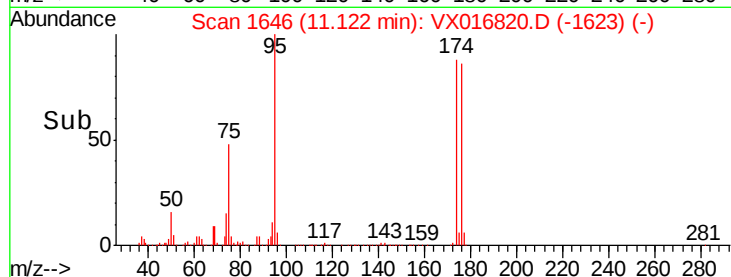
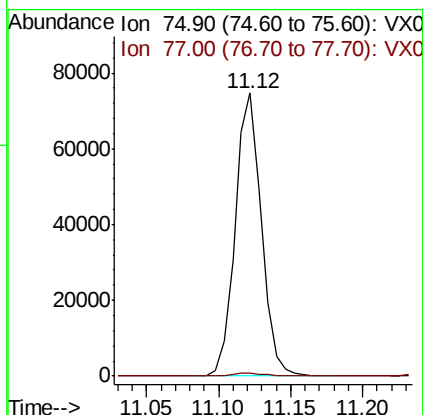
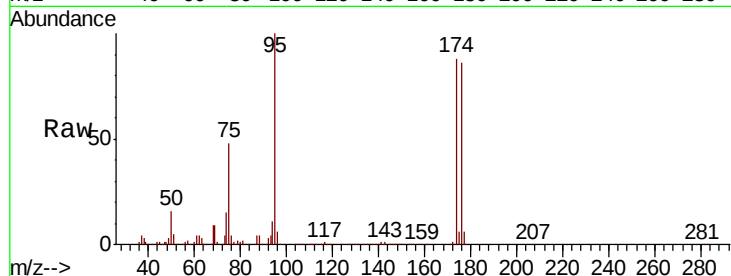
LF017MW004-200611

Tot Ion: 75 Resp: 94405

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.264 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

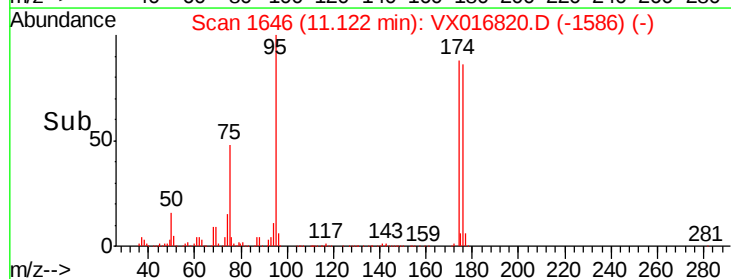
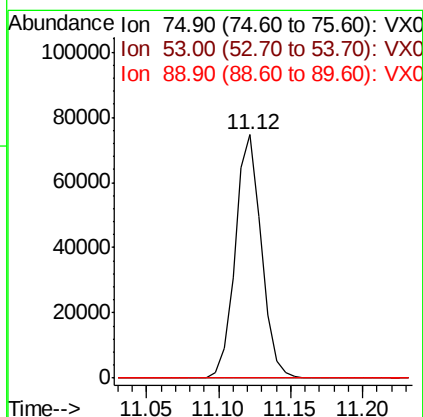
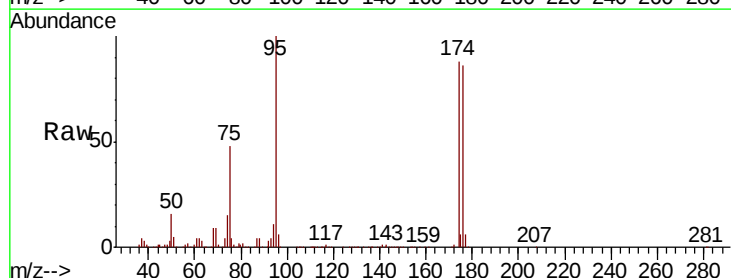
Tgt Ion: 75 Resp: 94405

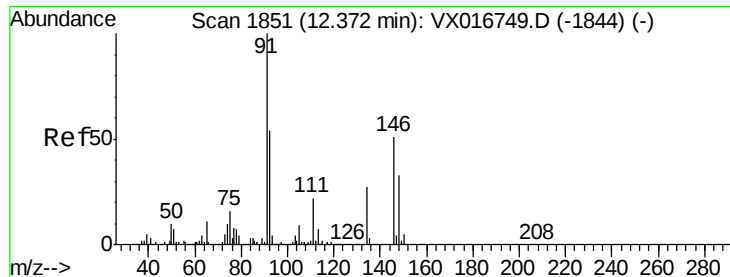
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

89 0.0 39.1 58.7#

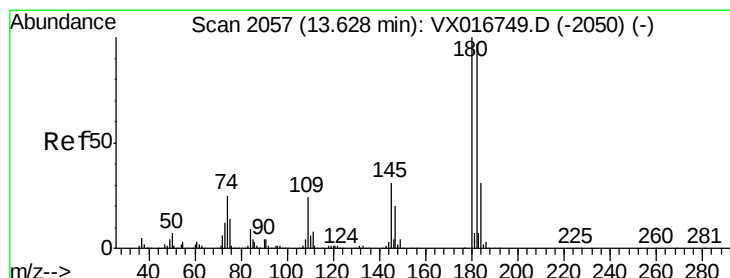
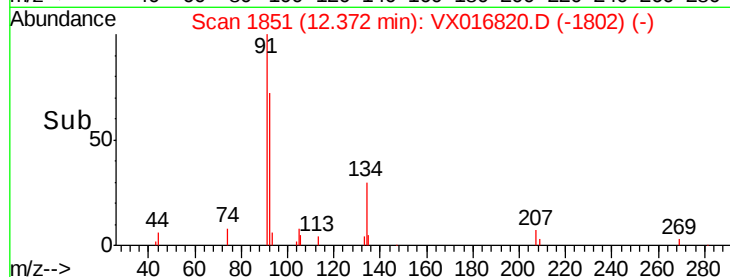
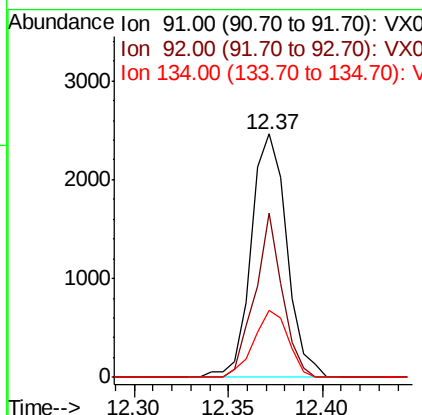
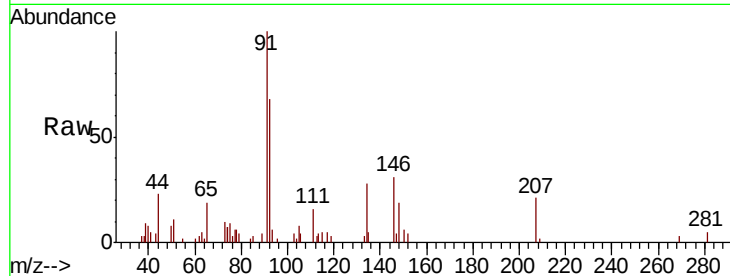




#89
n-Butylbenzene
Concen: 0.331 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

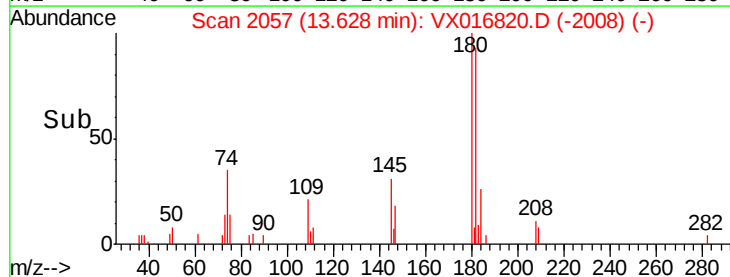
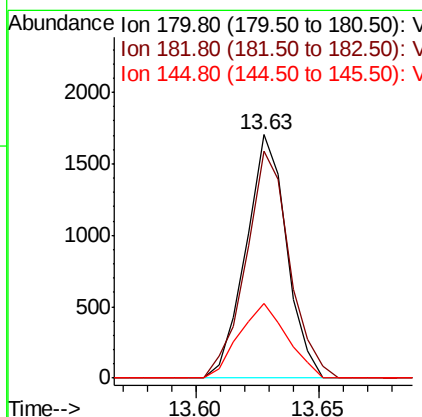
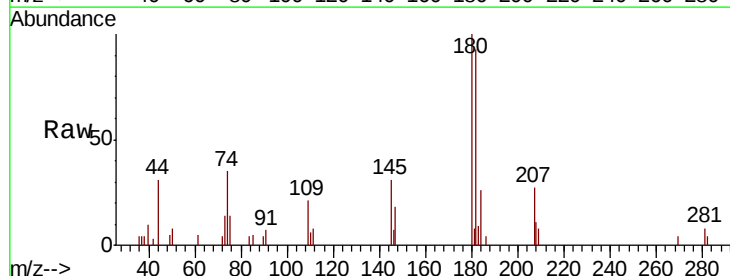
Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-200611

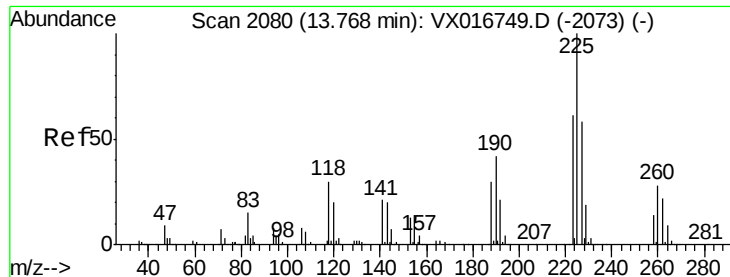
Tot Ion: 91 Resp: 3215
Ion Ratio Lower Upper
91 100
92 52.3 27.0 80.8
134 26.8 13.7 41.0



#93
1,2,4-Trichlorobenzene
Concen: 0.432 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016820.D
Acq: 17 Jun 2020 16:37

Tgt Ion: 180 Resp: 1974
Ion Ratio Lower Upper
180 100
182 99.9 48.6 145.8
145 36.3 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.976 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Instrument :

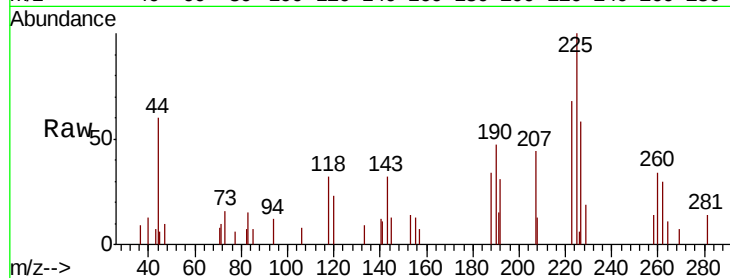
MSVOA_X

ClientSampleId :

LF017MW004-200611

Tot Ion:225 Resp: 1140

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.5
227	57.3	30.9	92.7

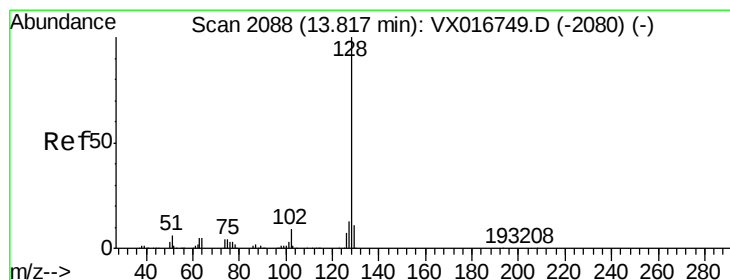
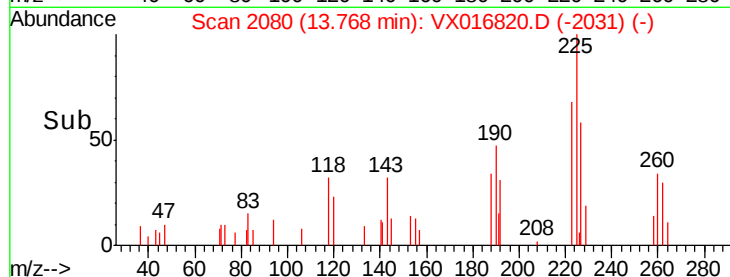
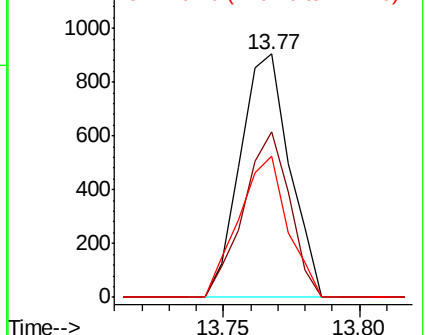


Abundance

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: 0.282 ug/l

RT: 13.82 min Scan# 2088

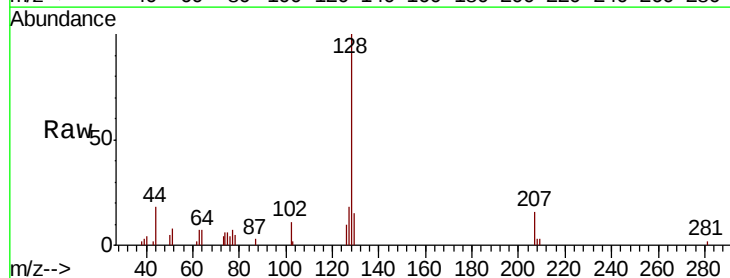
Delta R.T. -0.00 min

Lab File: VX016820.D

Acq: 17 Jun 2020 16:37

Tgt Ion:128 Resp: 4036

Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.2	15.4
129	13.3	8.8	13.2#

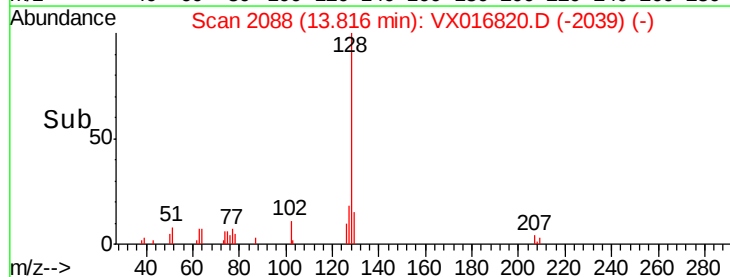
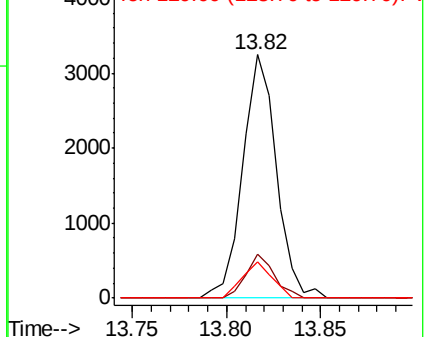


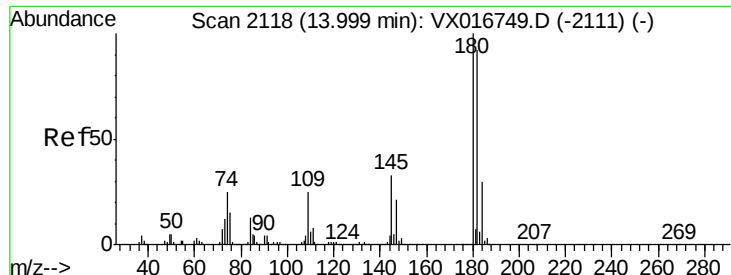
Abundance

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: 0.401 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX016820.D
 Acq: 17 Jun 2020 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-200611

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.4	47.1	141.4
145	35.3	15.9	47.7

