

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066721.D
 Acq On : 16 Sep 2020 15:59
 Operator : VA/SY
 Sample : L4018-01
 Misc : 5.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LACY-08

Quant Time: Sep 17 00:51:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	341673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	601541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	237774	65.23	ug/l	0.00
Spiked Amount			Recovery	=	130.46%	
35) Dibromofluoromethane	7.91	113	219909	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
50) Toluene-d8	10.34	98	790285	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
62) 4-Bromofluorobenzene	12.63	95	259134	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	

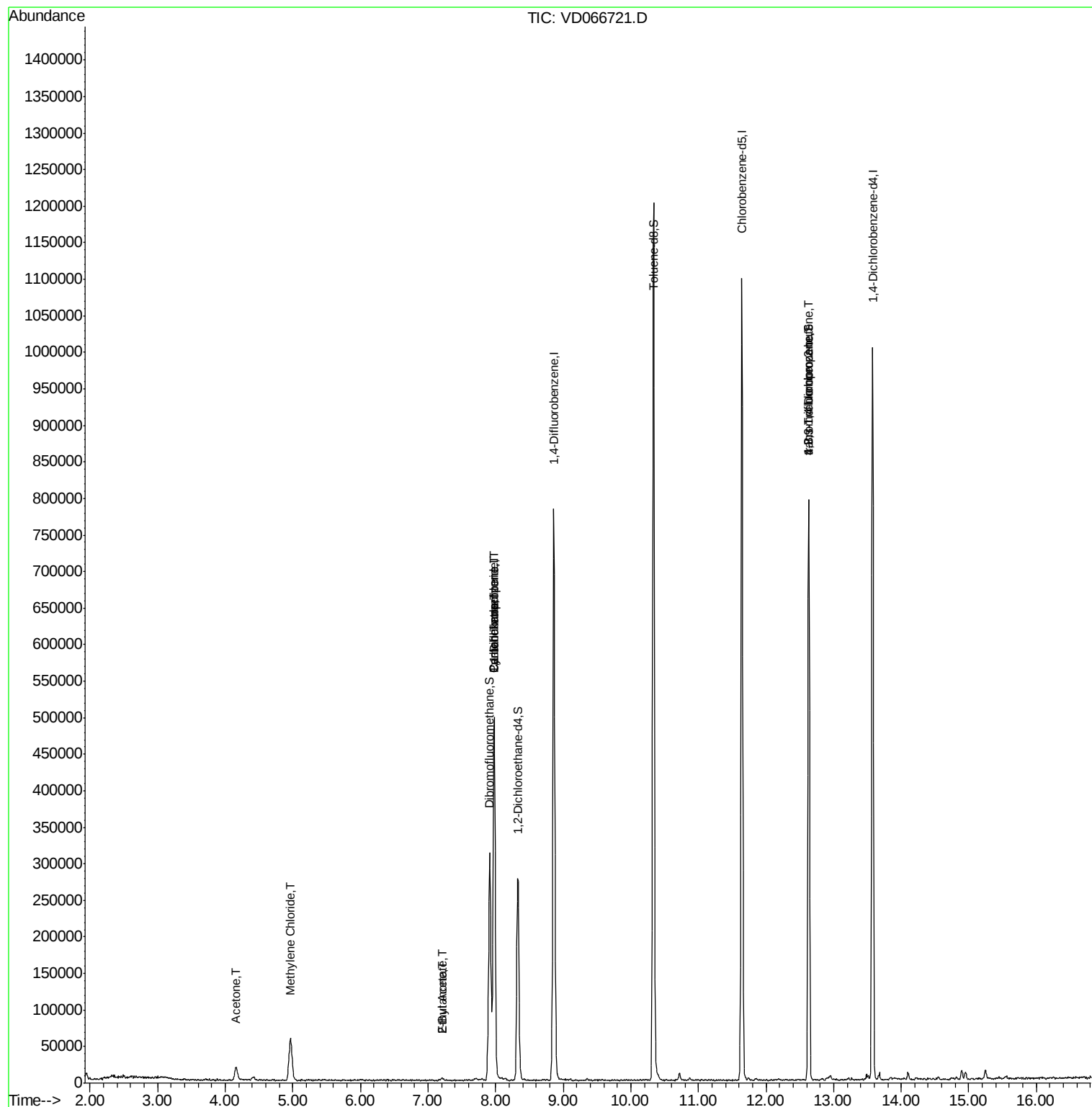
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	370	Below Cal	#	43
11) Tert butyl alcohol	5.21	59	138	Below Cal	#	76
16) Acetone	4.16	43	33639	45.314	ug/l	90
18) Methyl Acetate	4.73	43	61	Below Cal	#	52
20) Methylene Chloride	4.96	84	43475	4.142	ug/l	82
25) 2-Butanone	7.21	43	4041	4.180	ug/l #	74
31) Cyclohexane	7.97	56	9396	1.459	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	30929	4.689	ug/l #	50
37) Ethyl Acetate	7.21	43	4041	1.618	ug/l #	78
38) Carbon Tetrachloride	7.98	117	38324	5.471	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	144165	65.561	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	144165	141.493	ug/l #	8

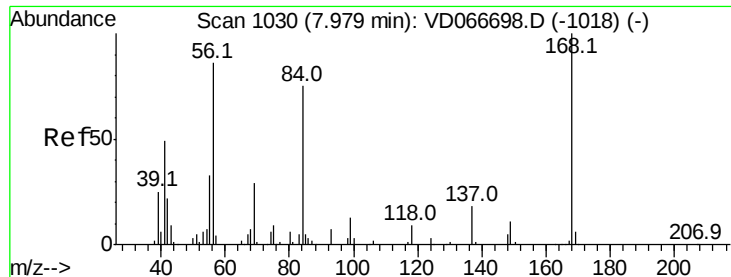
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

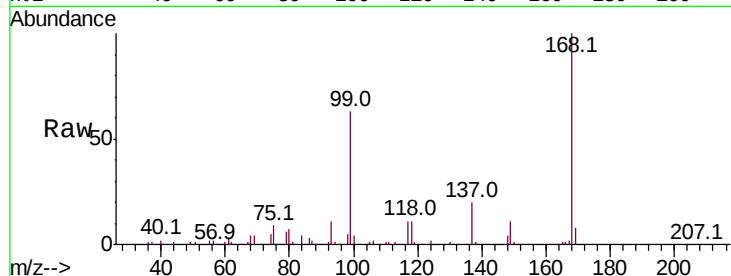
LACY-08

Tot Ion:168 Resp: 341673

Ion Ratio Lower Upper

168 100

99 63.4 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

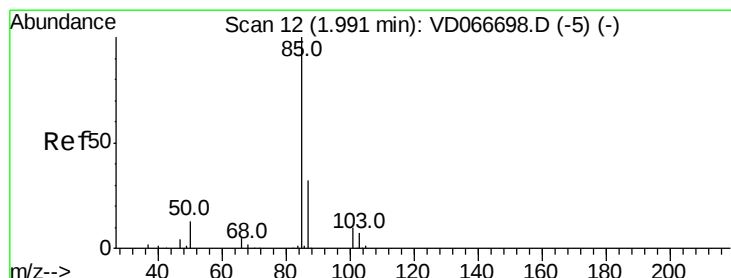
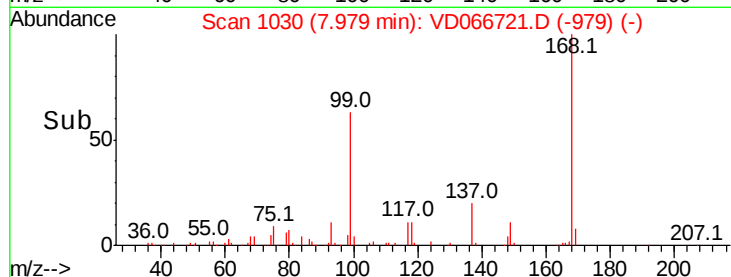
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066721.D

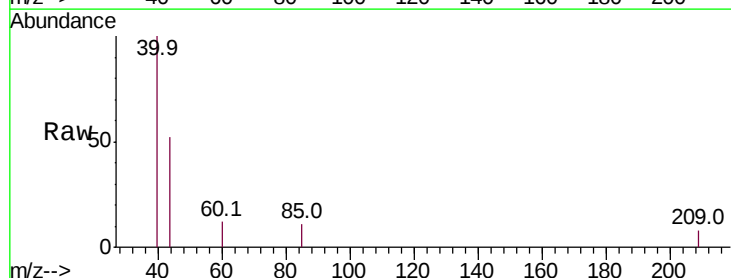
Acq: 16 Sep 2020 15:59

Tgt Ion: 85 Resp: 370

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

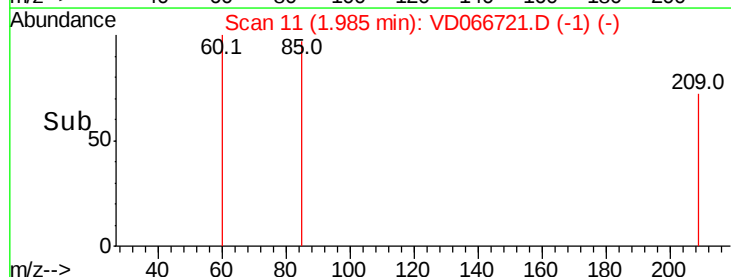
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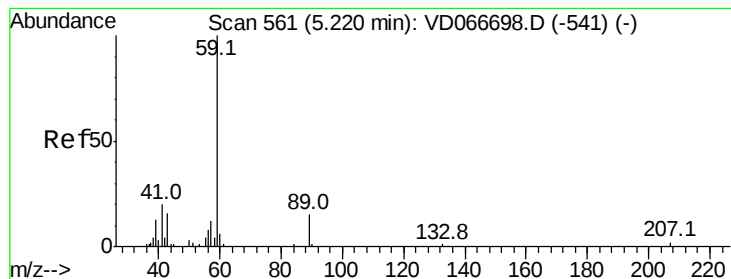
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100

0

Time-->



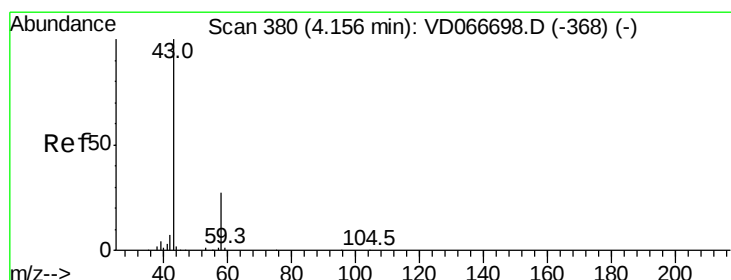
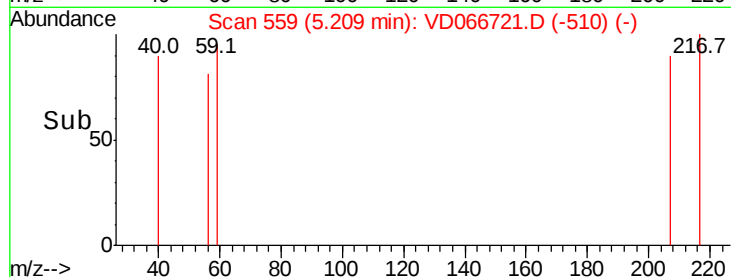
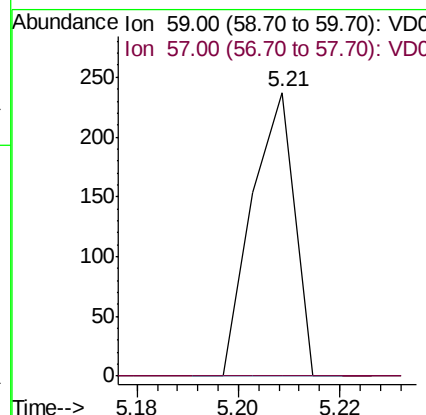
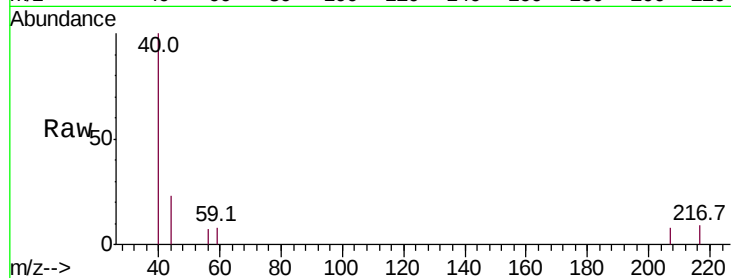


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066721.D
 Acq: 16 Sep 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleID :
 LACY-08

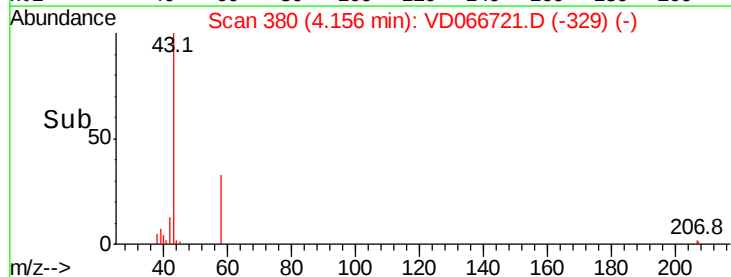
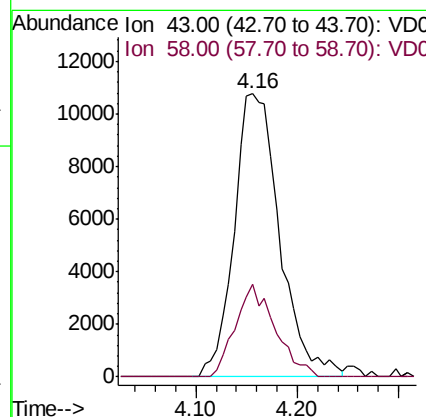
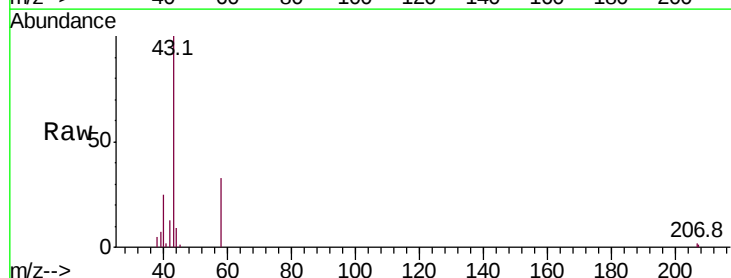
Tot Ion: 59 Resp: 138
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

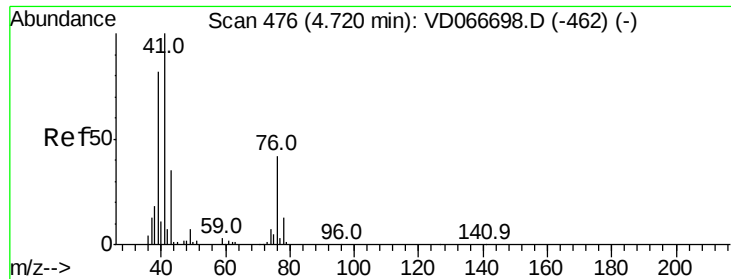


#16

Acetone
 Concen: 45.314 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066721.D
 Acq: 16 Sep 2020 15:59

Tgt Ion: 43 Resp: 33639
 Ion Ratio Lower Upper
 43 100
 58 32.7 21.9 32.9

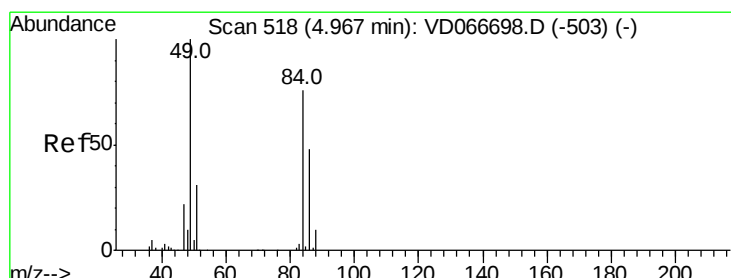
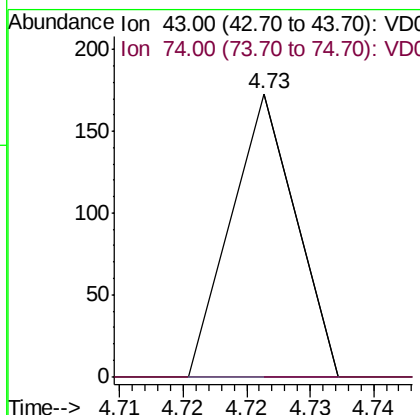
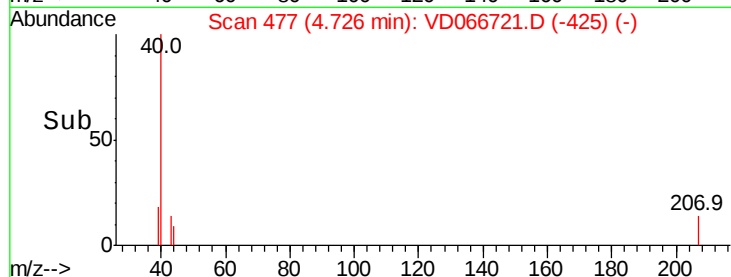
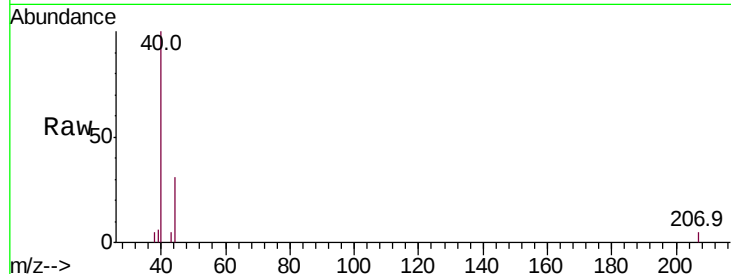




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

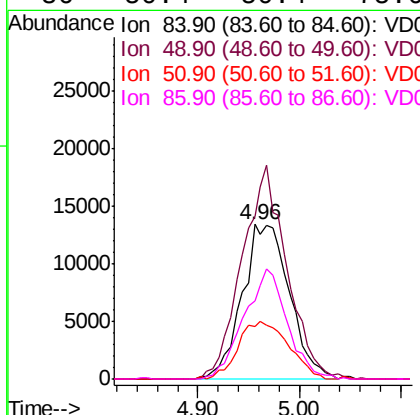
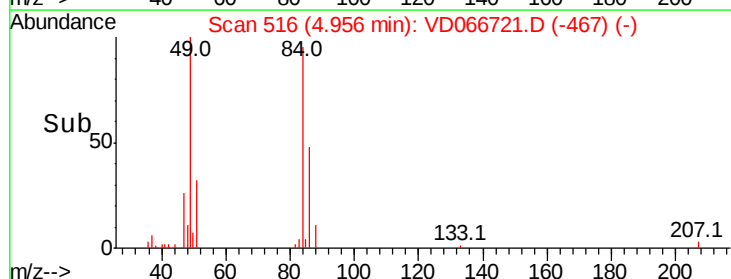
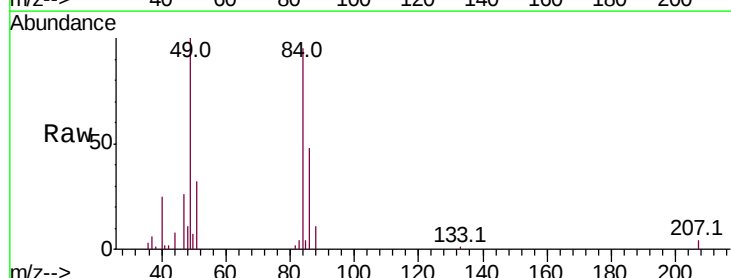
Instrument :
MSVOA_D
ClientSampleId :
LACY-08

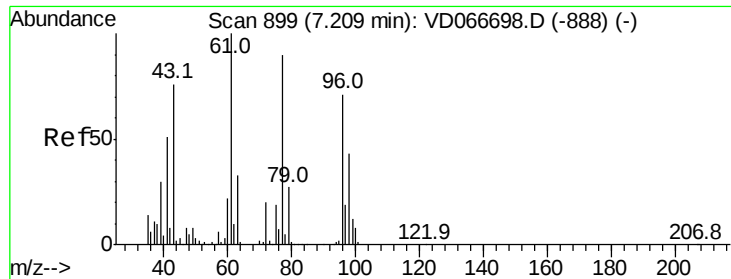
Tot Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 4.142 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

Tgt Ion: 84 Resp: 43475
Ion Ratio Lower Upper
84 100
49 105.6 105.0 157.6
51 34.3 32.2 48.4
86 50.4 50.4 75.6





#25

2-Butanone

Concen: 4.180 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

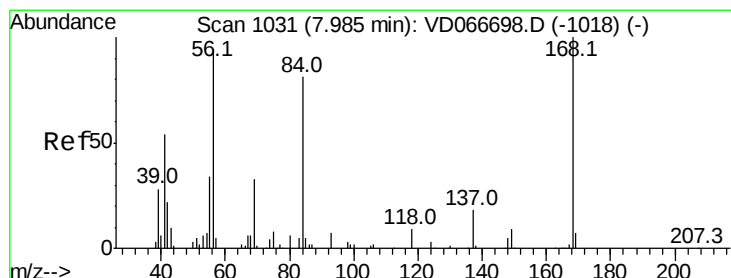
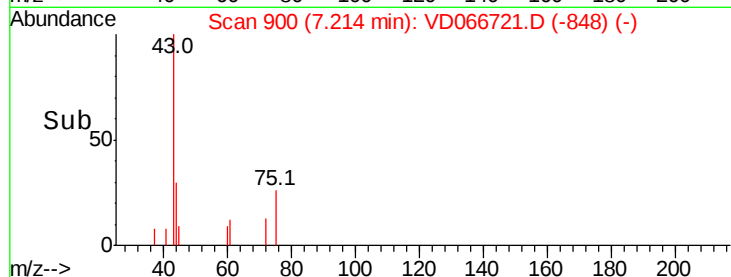
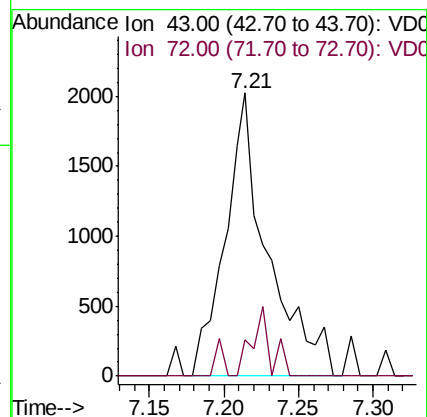
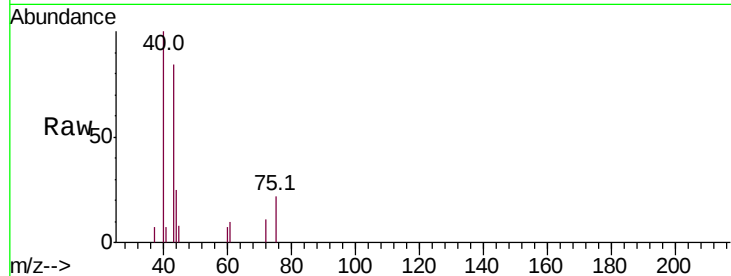
LACY-08

Tot Ion: 43 Resp: 4041

Ion Ratio Lower Upper

43 100

72 12.7 21.0 31.4#



#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

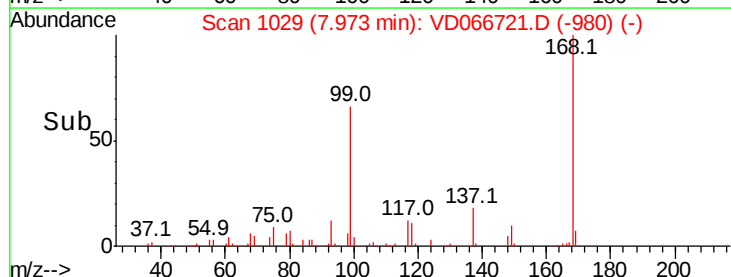
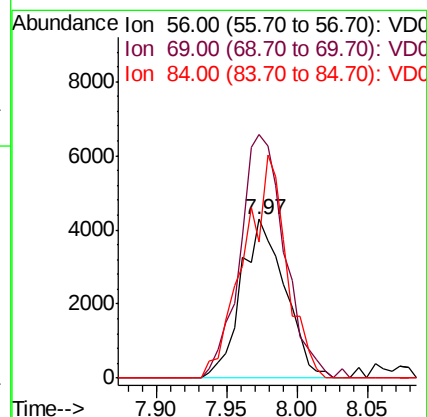
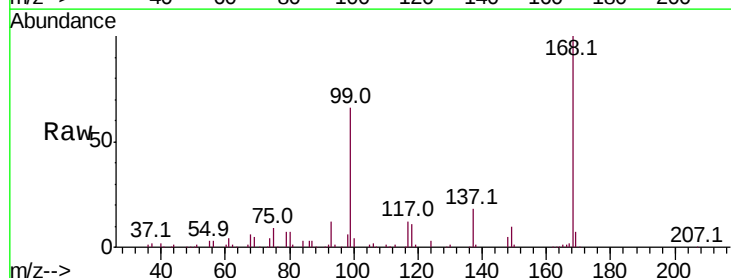
Tgt Ion: 56 Resp: 9396

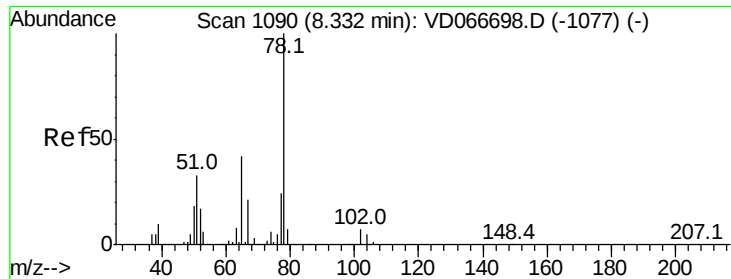
Ion Ratio Lower Upper

56 100

69 153.6 27.7 41.5#

84 85.6 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 65.225 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

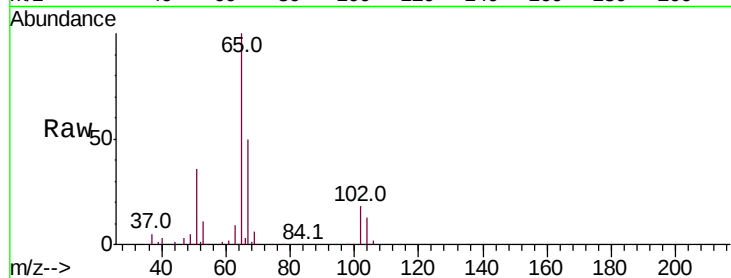
LACY-08

Tot Ion: 65 Resp: 237774

Ion Ratio Lower Upper

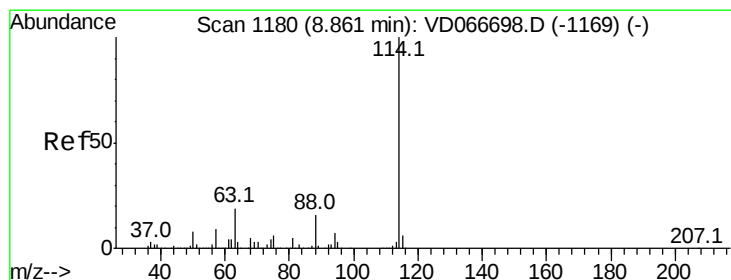
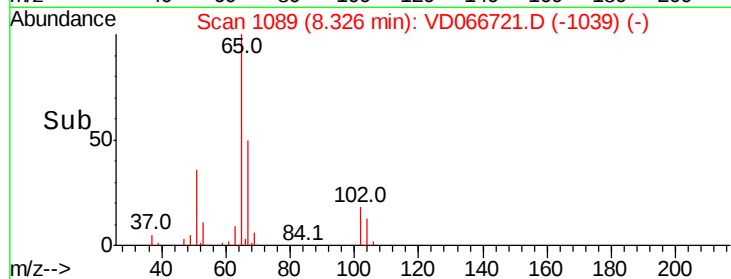
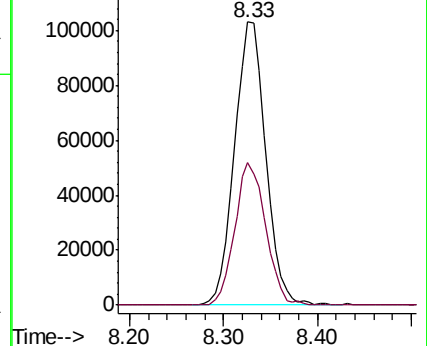
65 100

67 49.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

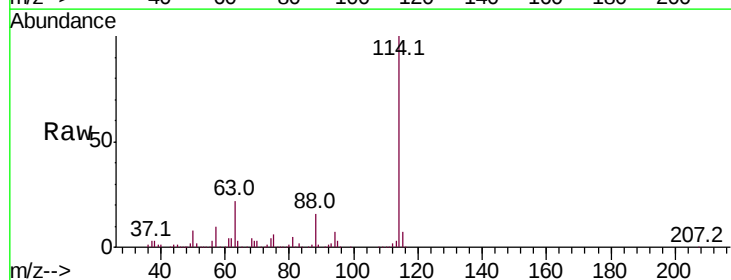
Tgt Ion: 114 Resp: 641539

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.6

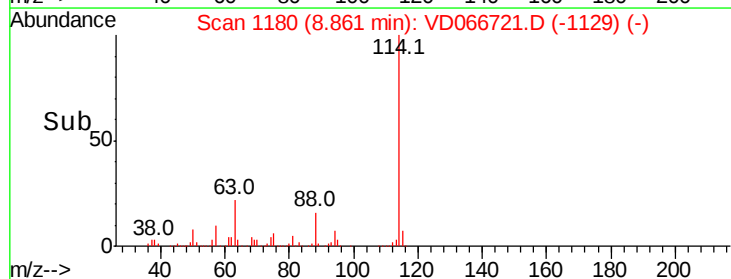
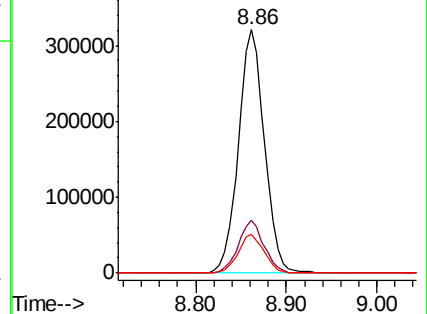
88 16.0 0.0 32.2

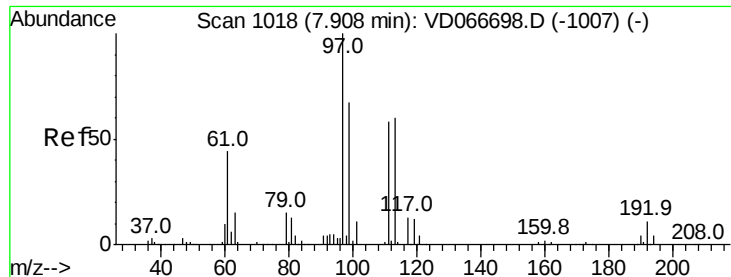


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

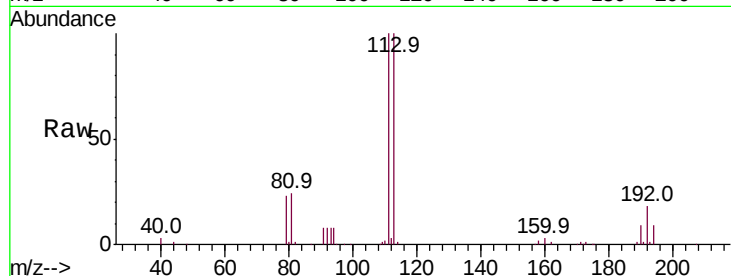




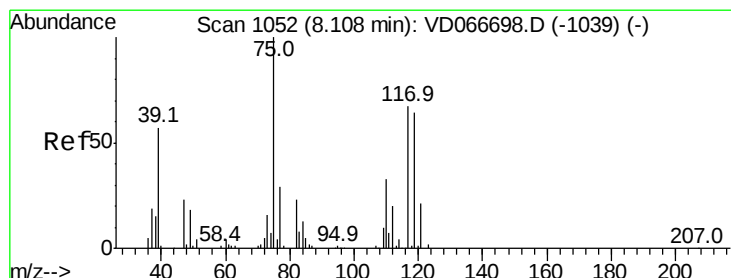
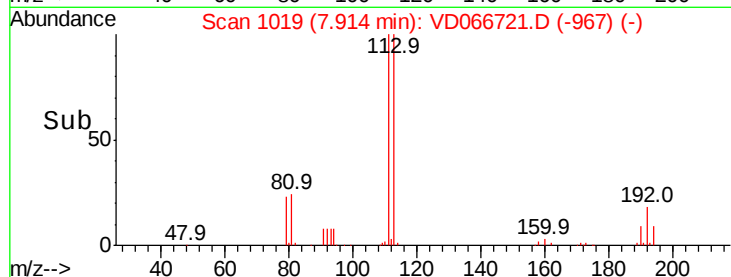
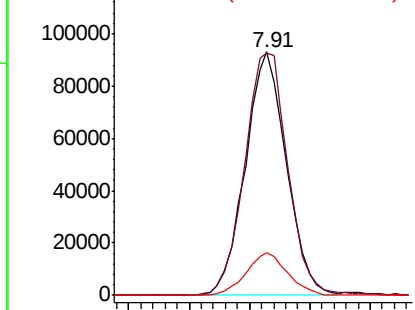
#35
 Dibromofluoromethane
 Concen: 55.910 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066721.D
 Acq: 16 Sep 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 LACY-08

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.2	124.8
192	17.6	14.8	22.2

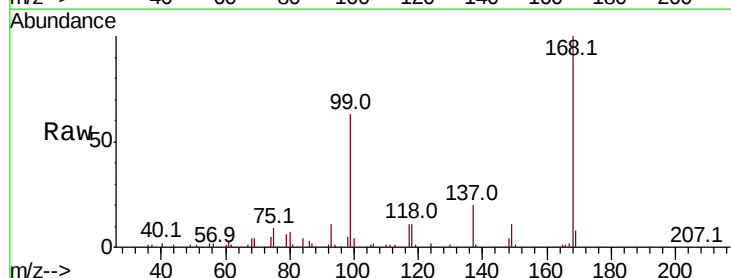


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

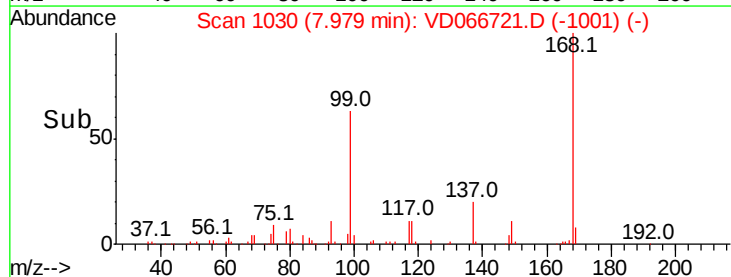
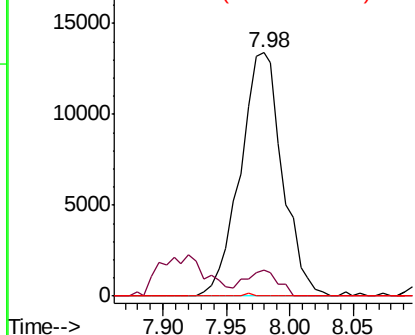


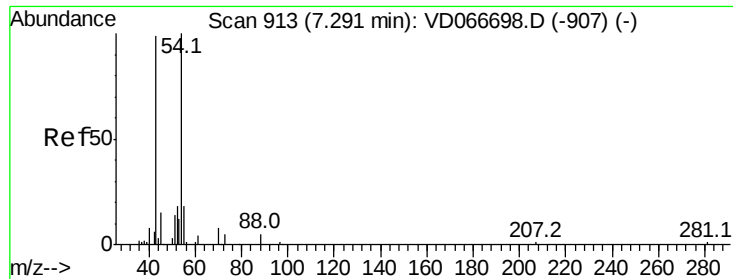
#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066721.D
 Acq: 16 Sep 2020 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.1	51.2#
77	0.2	25.0	37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

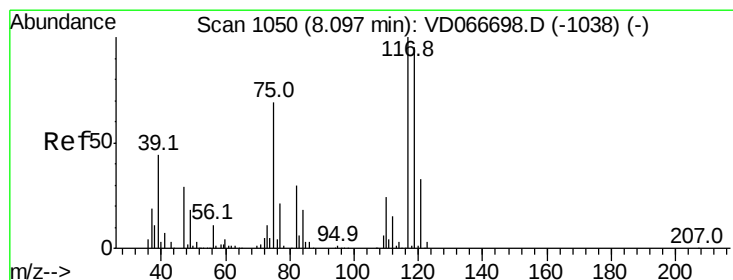
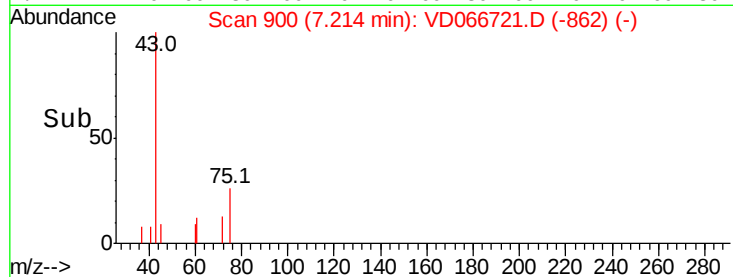
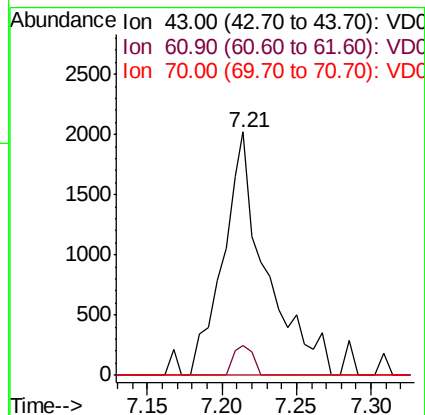
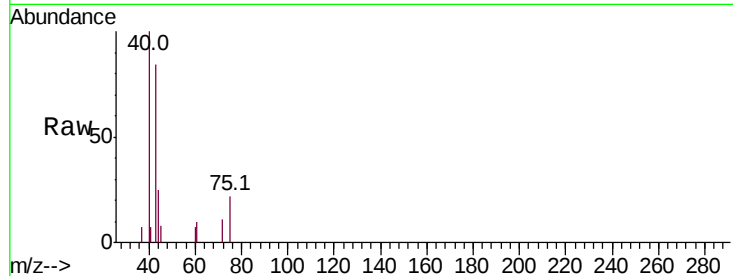




#37
Ethyl Acetate
Concen: 1.618 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

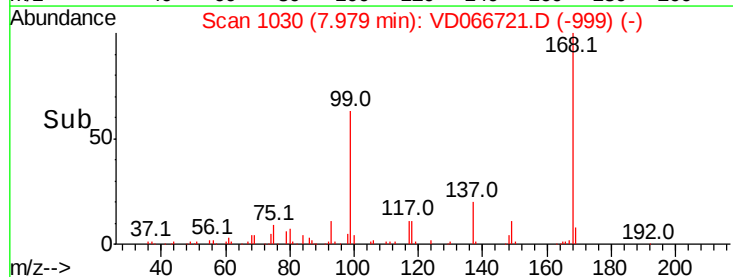
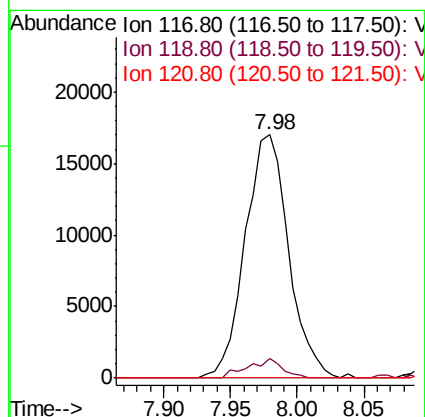
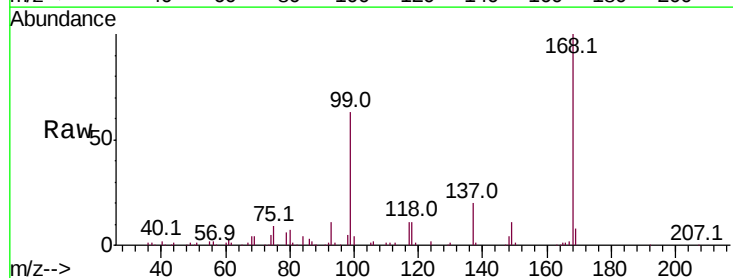
Instrument :
MSVOA_D
ClientSampled :
LACY-08

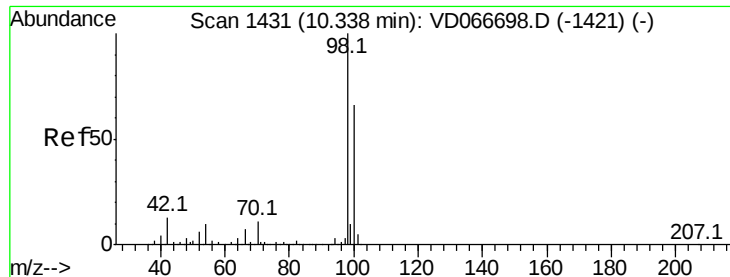
Tot Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
61 5.7 10.4 15.6#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.471 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

Tgt Ion: 117 Resp: 38324
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 26.2 39.4#

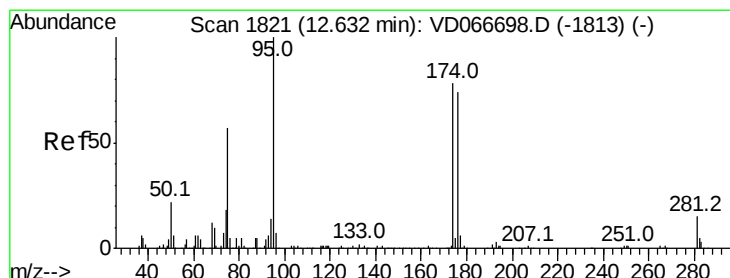
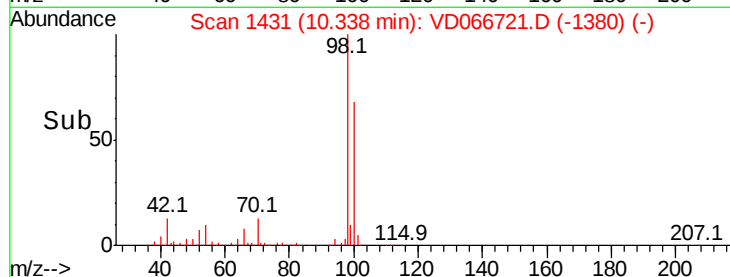
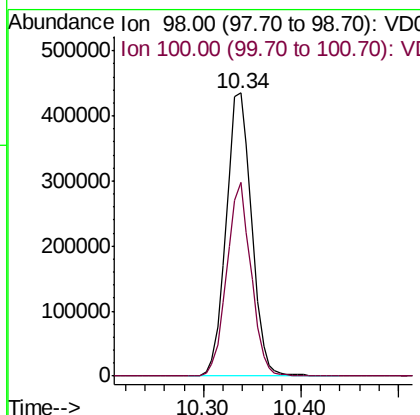
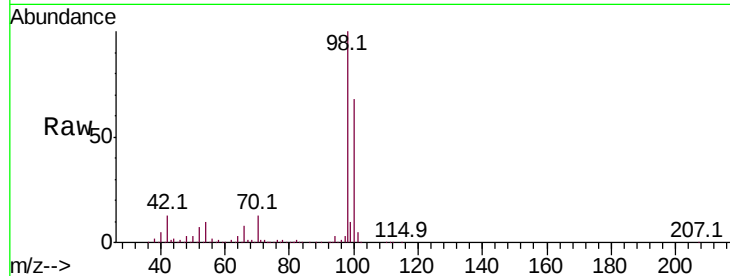




#50
Toluene-d8
Concen: 56.396 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

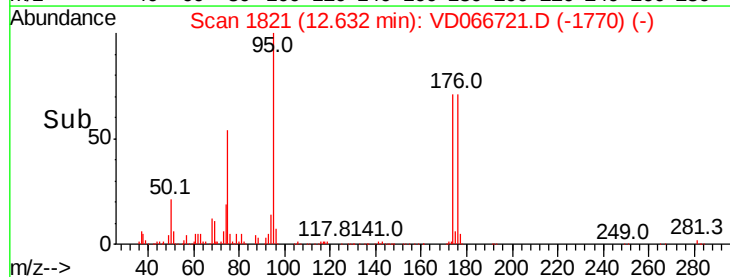
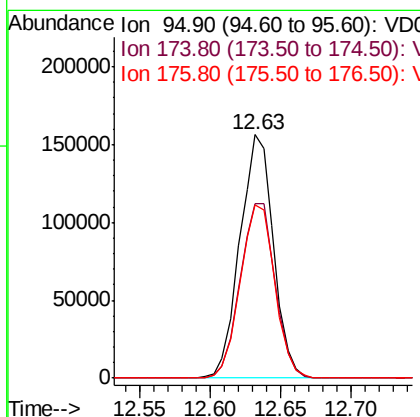
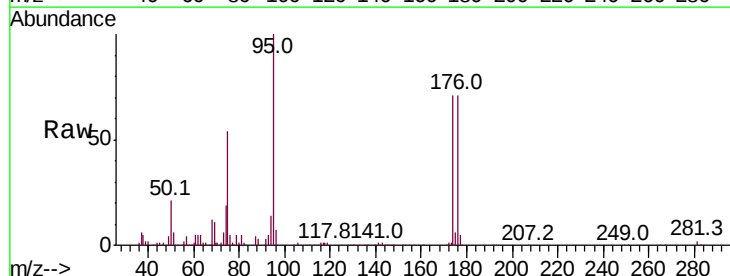
Instrument :
MSVOA_D
ClientSampleId :
LACY-08

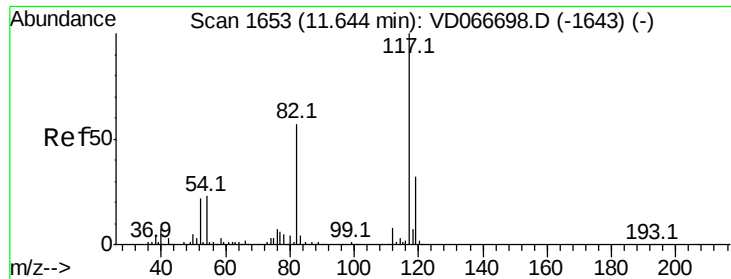
Tot Ion: 98 Resp: 790285
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 53.571 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

Tgt Ion: 95 Resp: 259134
Ion Ratio Lower Upper
95 100
174 74.9 0.0 156.6
176 73.5 0.0 150.2

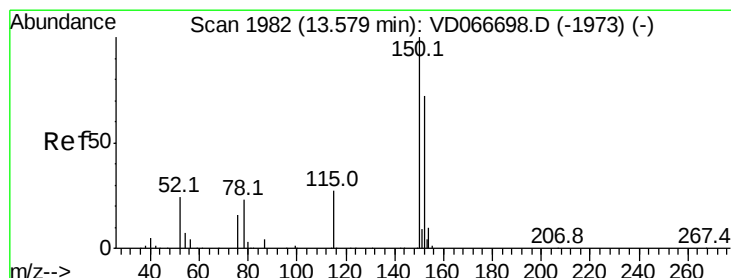
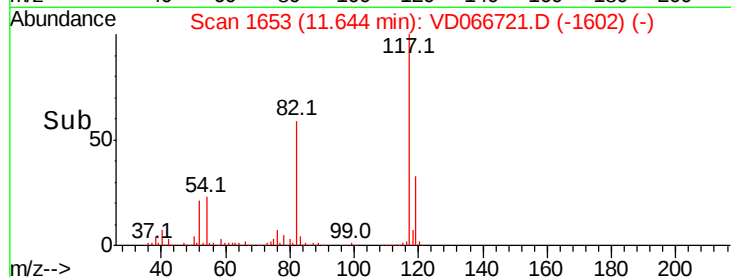
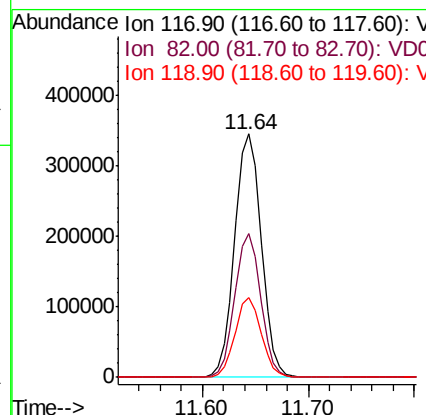
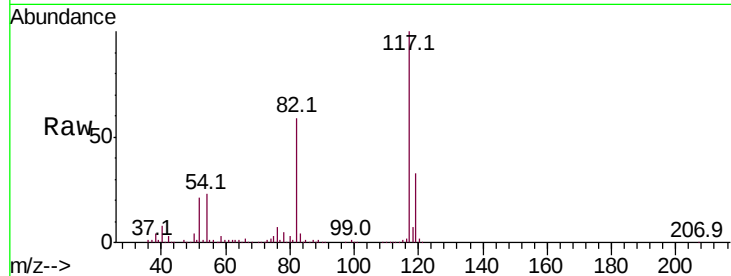




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

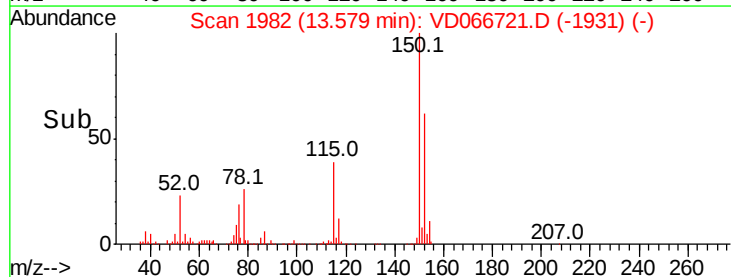
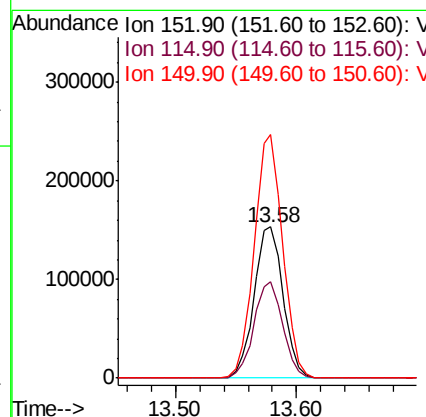
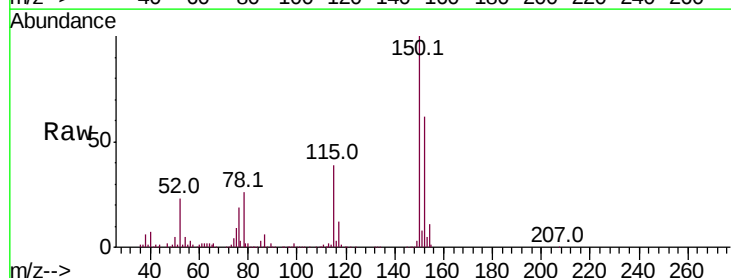
Instrument :
MSVOA_D
ClientSampleId :
LACY-08

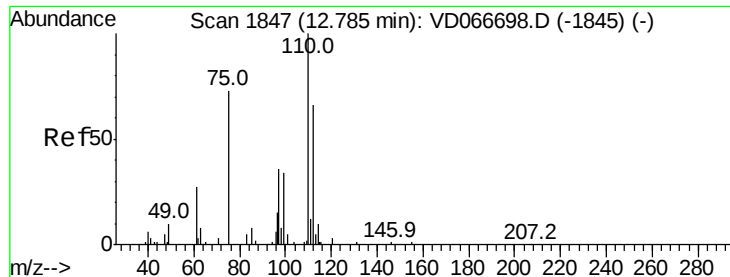
Tot Ion:117 Resp: 601541
Ion Ratio Lower Upper
117 100
82 59.2 45.4 68.0
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066721.D
Acq: 16 Sep 2020 15:59

Tgt Ion:152 Resp: 256897
Ion Ratio Lower Upper
152 100
115 63.2 30.5 91.5
150 157.8 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 65.561 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

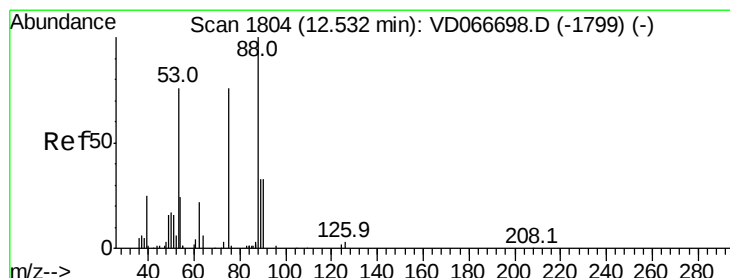
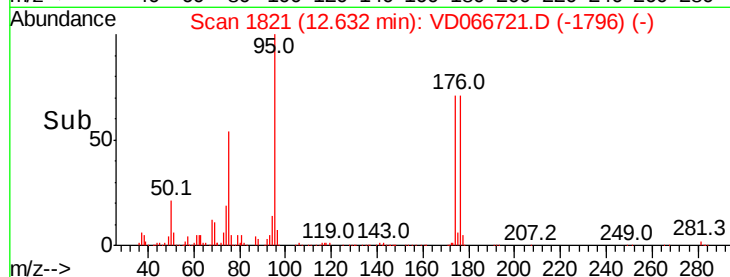
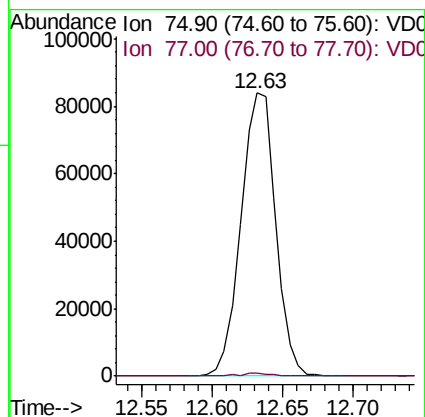
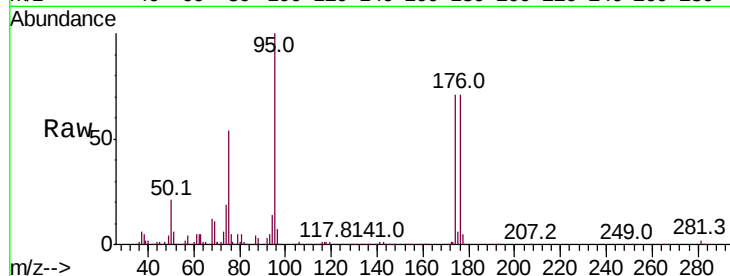
LACY-08

Tot Ion: 75 Resp: 144165

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.493 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066721.D

Acq: 16 Sep 2020 15:59

Tgt Ion: 75 Resp: 144165

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

