

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037388.D
 Acq On : 11 Aug 2021 12:57
 Operator : SY/AP
 Sample : M3157-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-2DL

Manual Integrations
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Quant Time: Aug 12 05:32:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1288344	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3934562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3373076	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2463012m	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	13666	0.168	ppbv	89
13) Ethanol	3.62	45	296580m	30.127	ppbv	
15) Acetone	3.87	43	201320m	1.640	ppbv	
19) Isopropyl Alcohol	4.00	45	33642m	0.476	ppbv	
20) Methylene Chloride	4.35	84	287776	4.317	ppbv	93
26) Hexane	5.69	57	234787m	1.475	ppbv	
29) Chloroform	5.75	83	48860	0.214	ppbv	90
31) cis-1,2-Dichloroethene	5.55	61	27049	0.190	ppbv #	88
35) Carbon Tetrachloride	7.01	117	23341m	0.106	ppbv	
38) Trichloroethene	7.83	130	6984m	0.053	ppbv	
52) Tetrachloroethene	11.22	164	153717	1.208	ppbv	92
53) Toluene	9.81	91	43460m	0.120	ppbv	

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

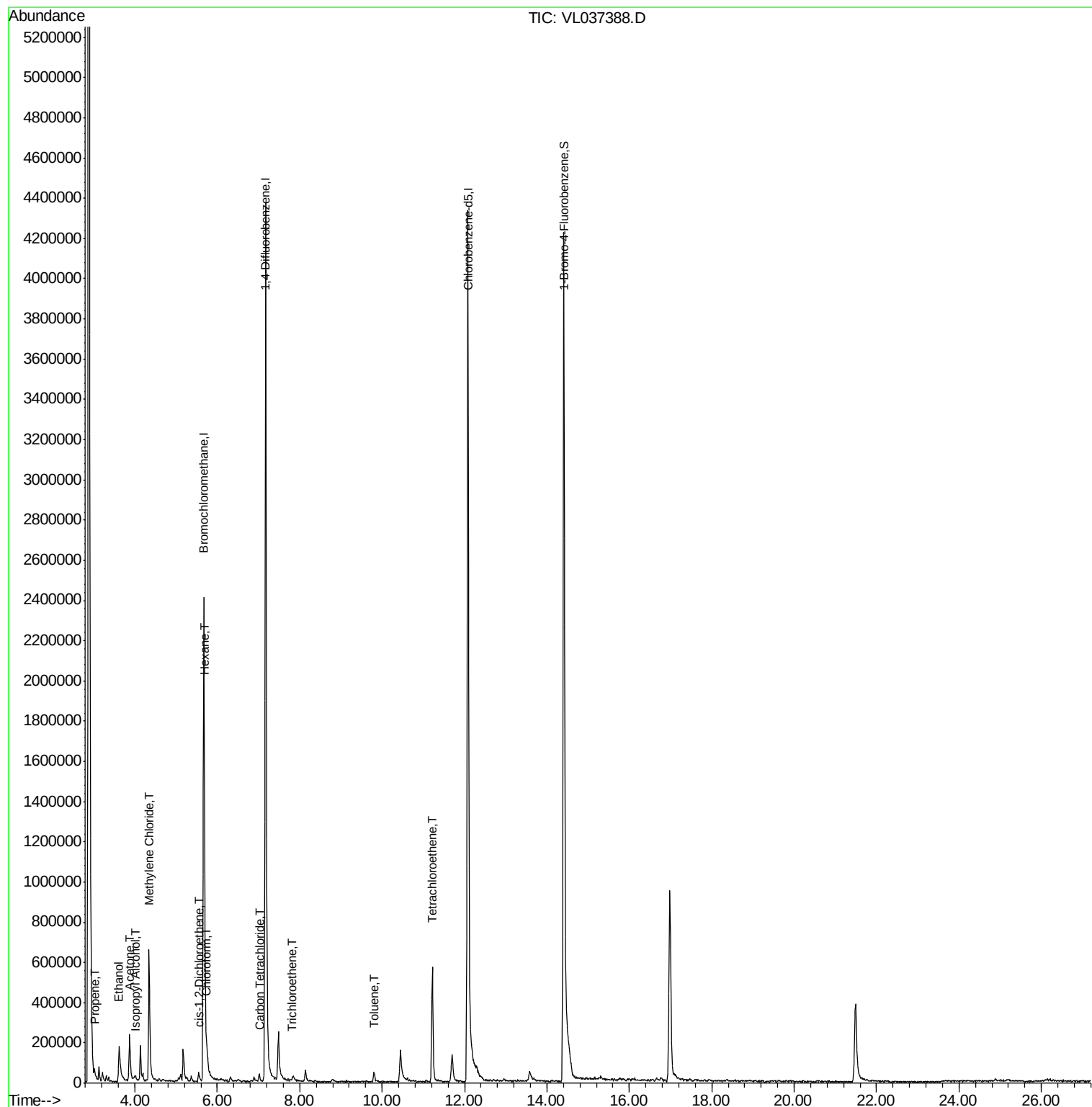
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037388.D
Acq On : 11 Aug 2021 12:57
Operator : SY/AP
Sample : M3157-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

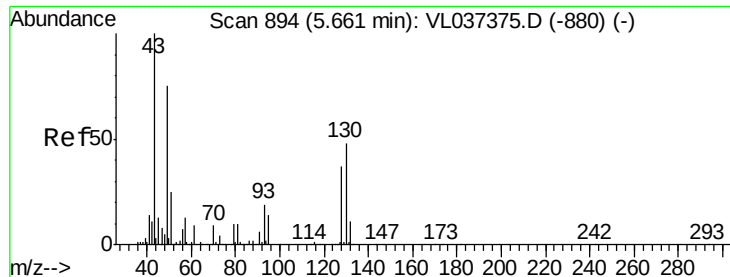
Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

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Quant Time: Aug 12 05:32:38 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 49 Resp: 1288344

Ion Ratio Lower Upper

49 100

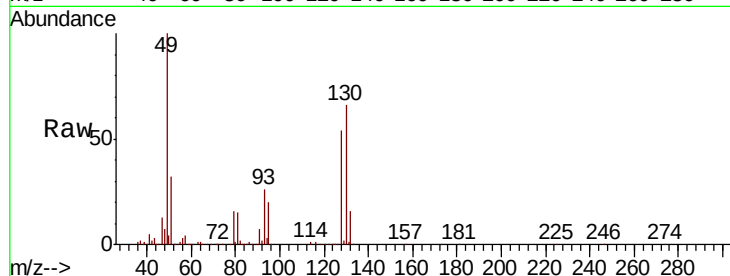
128 54.5 28.1 84.4

130 72.4 34.3 102.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

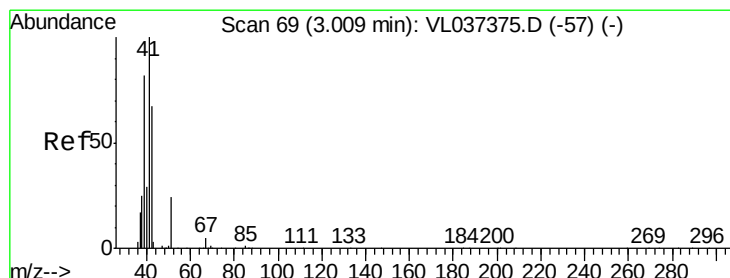
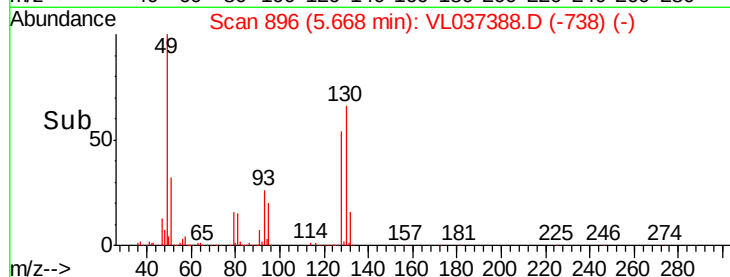
600000

400000

200000

0

Time-->



#9

Propene

Concen: 0.168 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL037388.D

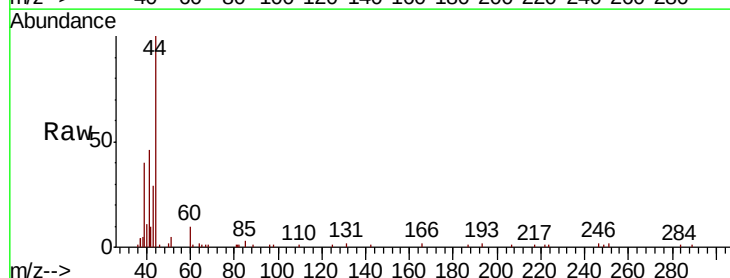
Acq: 11 Aug 2021 12:57

Tgt Ion: 41 Resp: 13666

Ion Ratio Lower Upper

41 100

42 60.3 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

12000

10000

8000

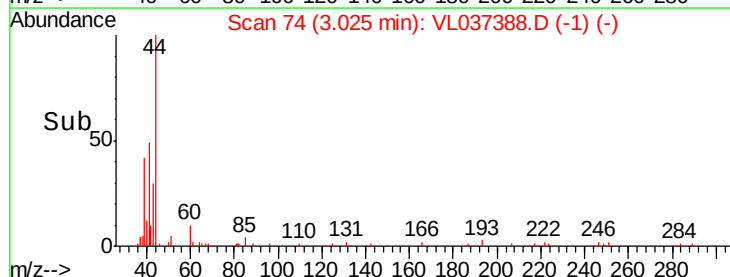
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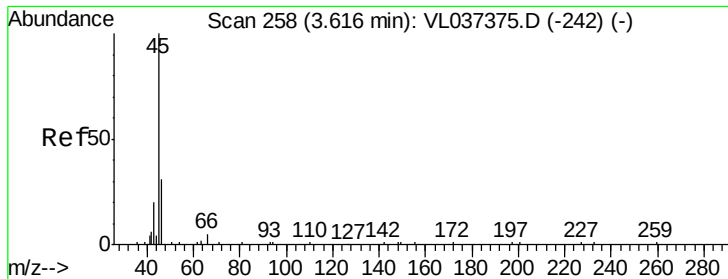
4000

2000

0

Time-->





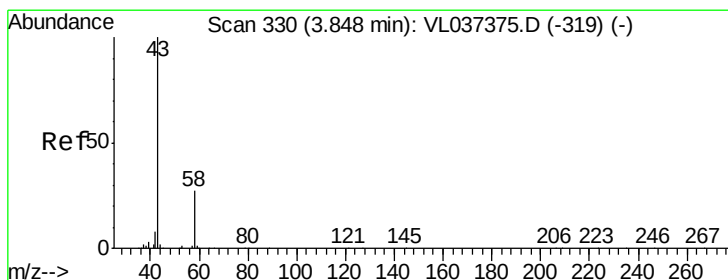
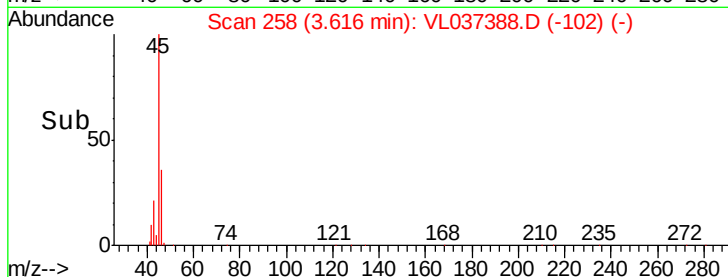
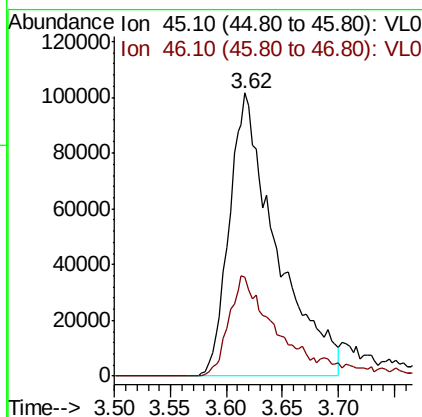
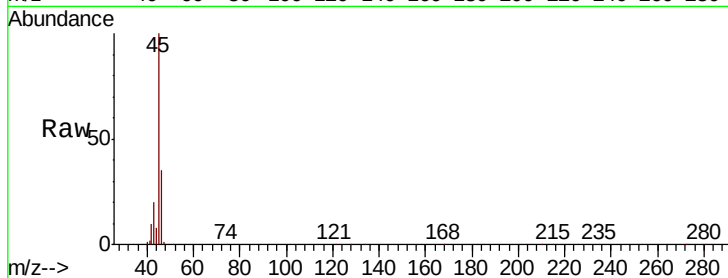
#13
Ethanol
Concen: 30.127 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Tot Ion	45	46	Ratio	100	38.7	Resp	296580	Lower	15.8	Upper	63.4
Ion	45	46	Ratio	100	38.7	Resp	296580	Lower	15.8	Upper	63.4

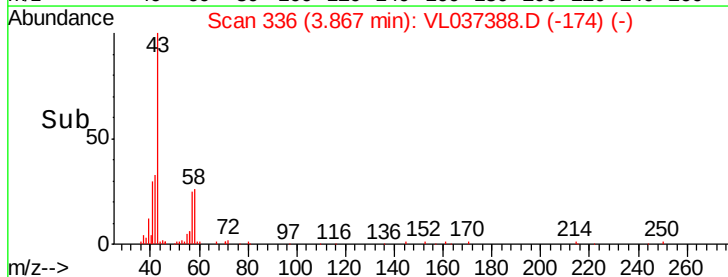
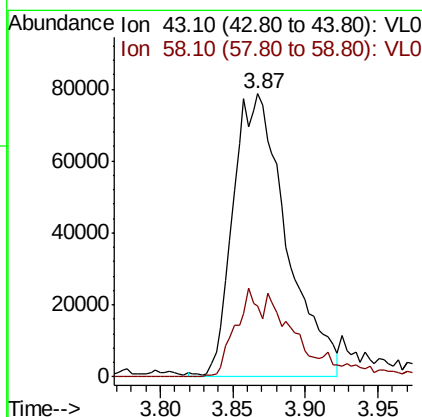
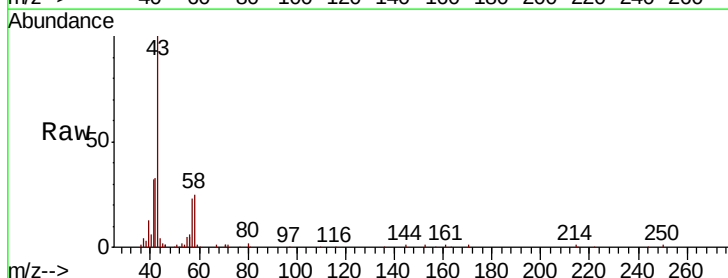
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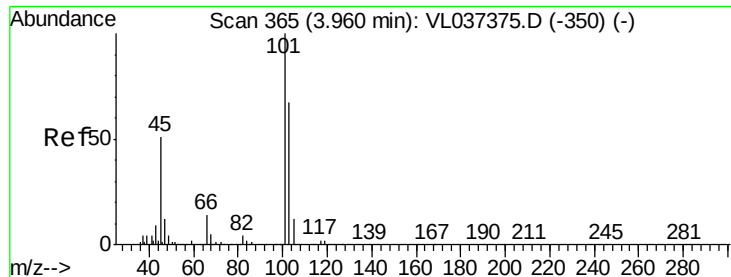
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#15
Acetone
Concen: 1.640 ppbv m
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Tgt Ion	43	58	Ratio	100	35.4	Resp	201320	Lower	24.6	Upper	37.0
Ion	43	58	Ratio	100	35.4	Resp	201320	Lower	24.6	Upper	37.0





#19

Isopropyl Alcohol

Concen: 0.476 ppbv m

RT: 4.00 min Scan# 377

Delta R.T. 0.04 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 45 Resp: 33642

Ion Ratio Lower Upper

45 100

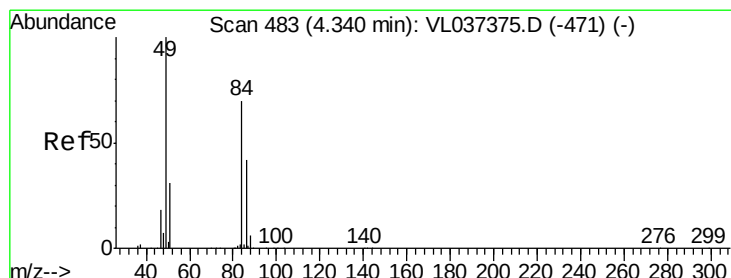
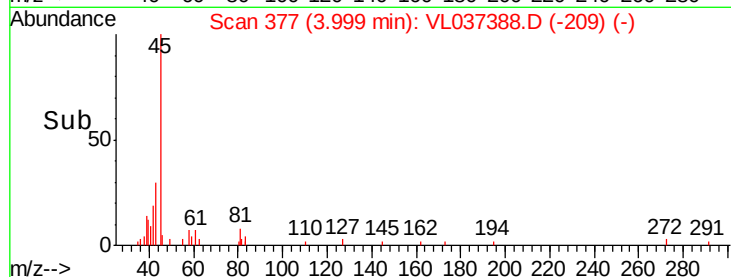
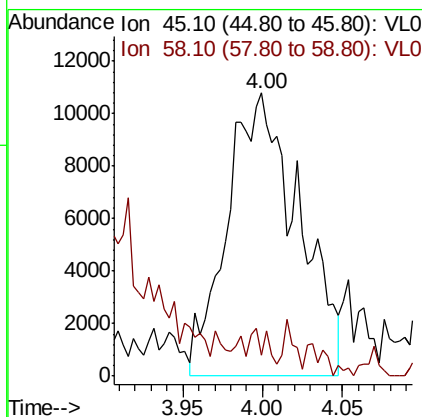
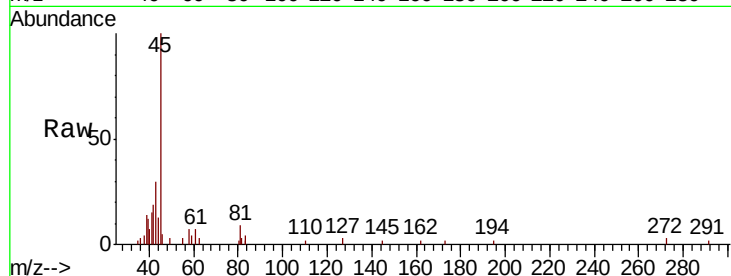
58 0.0 38.7 58.1#

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#20

Methylene Chloride

Concen: 4.317 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Tgt Ion: 84 Resp: 287776

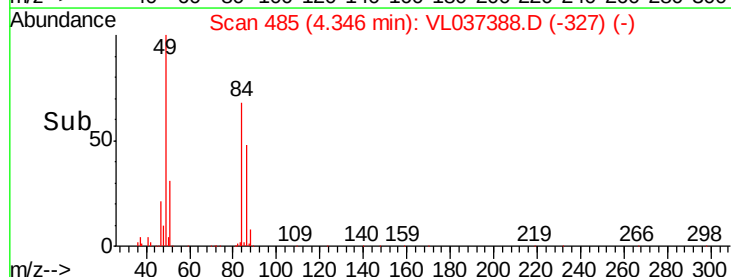
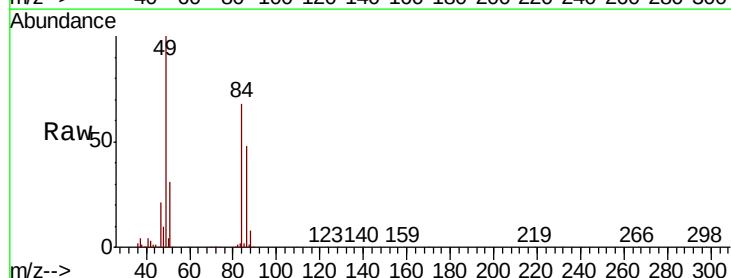
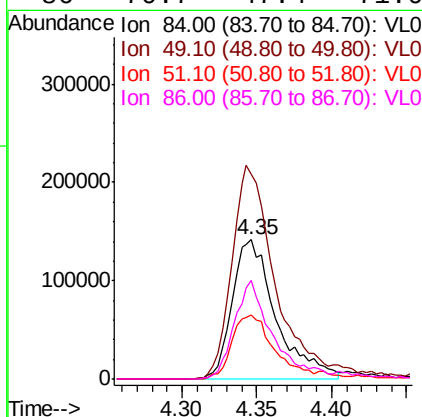
Ion Ratio Lower Upper

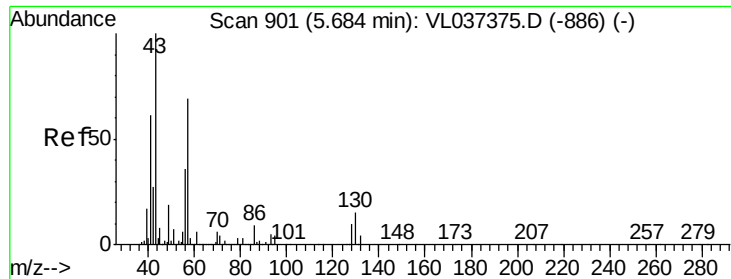
84 100

49 147.0 113.8 170.6

51 45.9 34.7 52.1

86 70.7 47.4 71.0





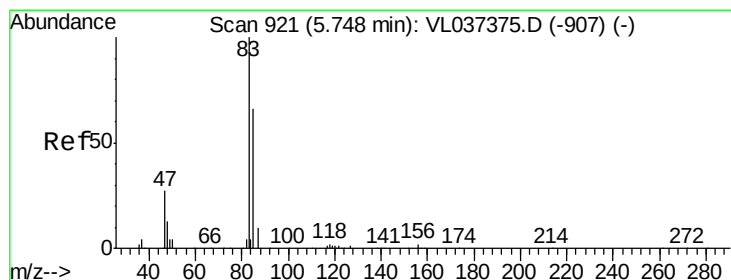
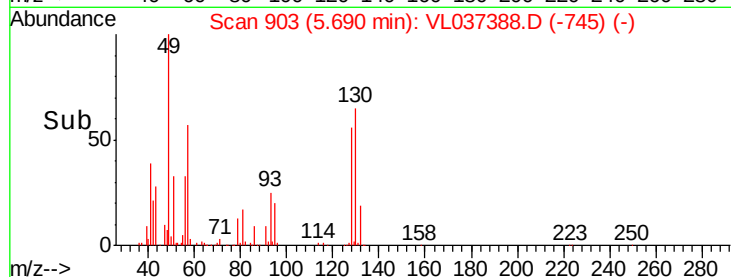
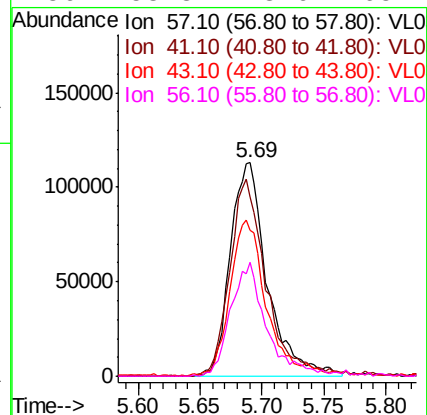
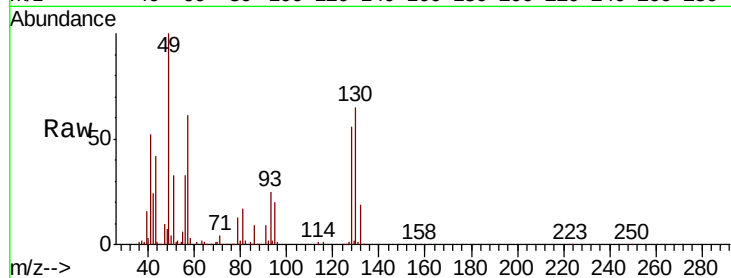
#26
Hexane
Concen: 1.475 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.4	110.0
43	74.5	174.4	261.6#
56	53.3	43.6	65.4

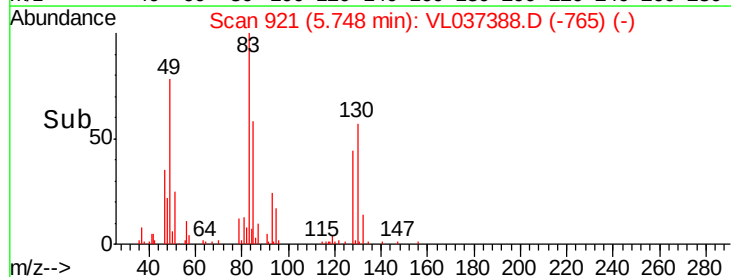
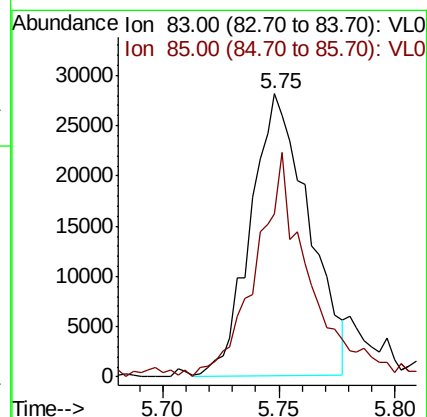
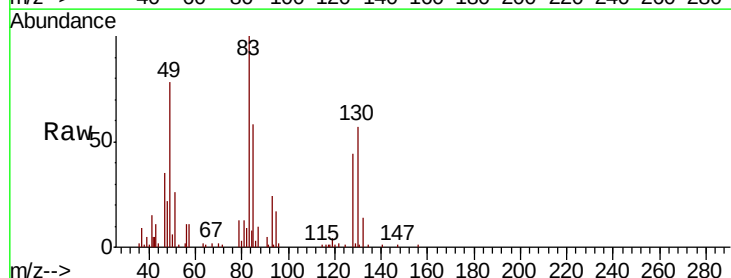
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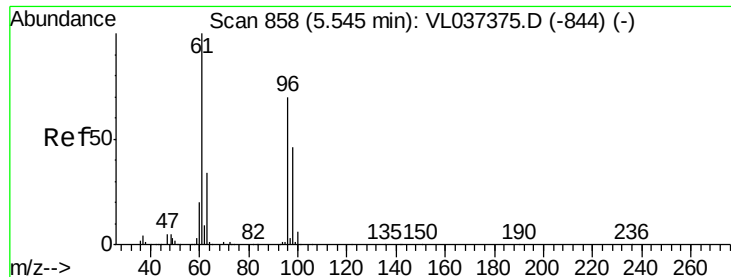
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#29
Chloroform
Concen: 0.214 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	52.8	79.2





#31

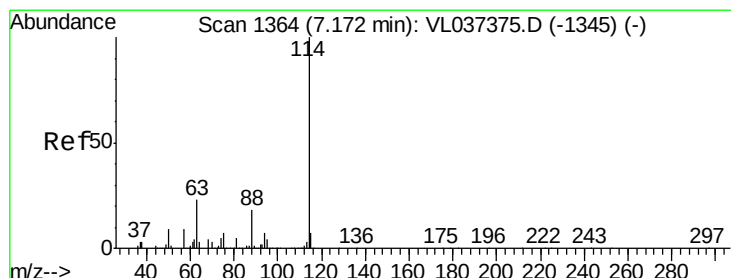
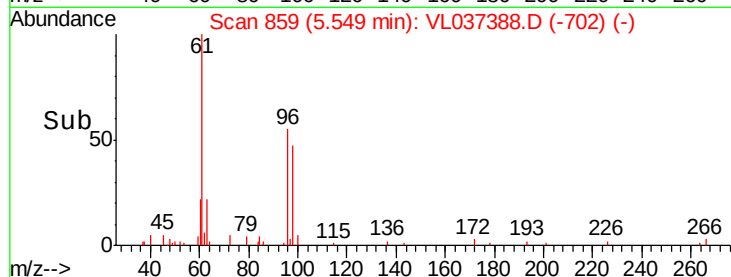
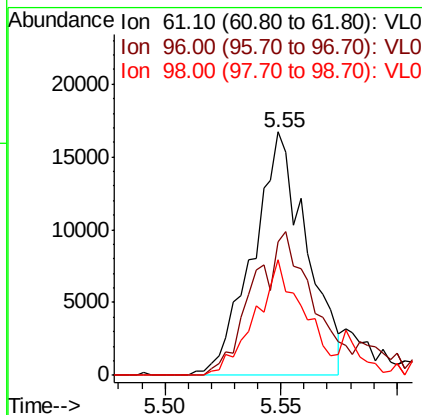
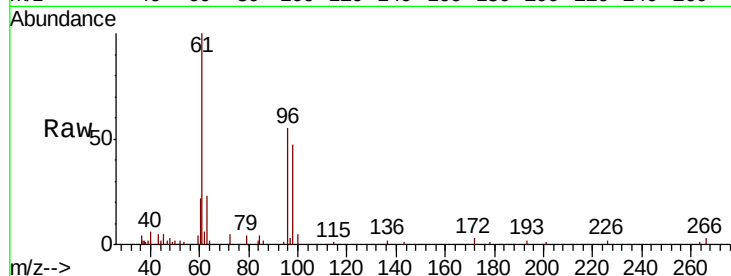
cis-1,2-Dichloroethene
Concen: 0.190 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	54.7	56.0	84.0#
98	47.4	36.8	55.2

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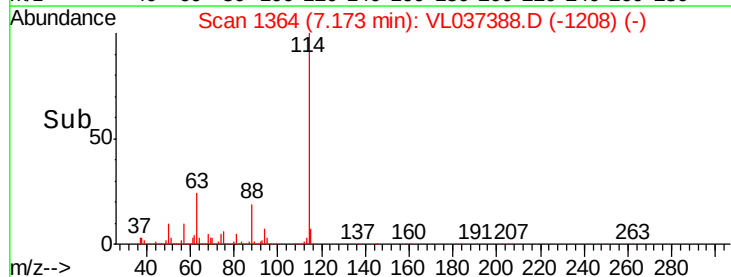
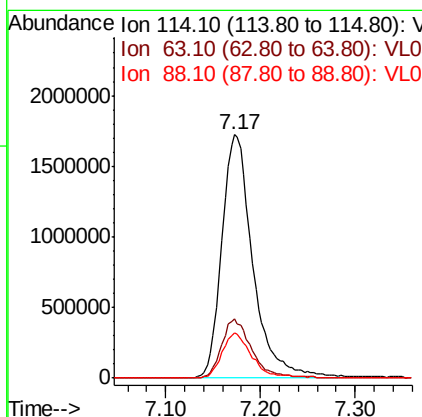
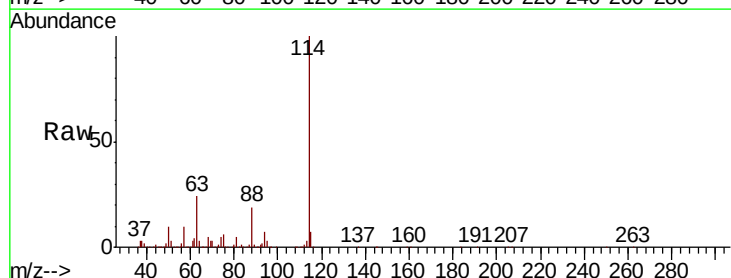
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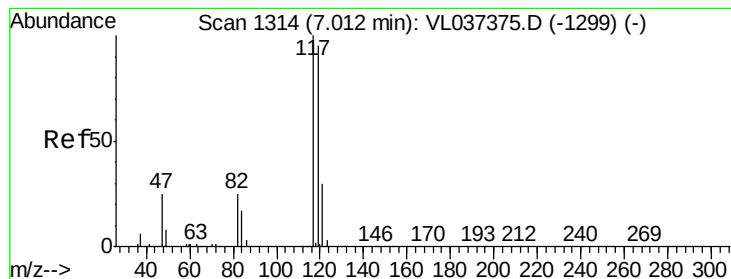


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.5	29.3
88	18.3	14.3	21.5





#35

Carbon Tetrachloride

Concen: 0.106 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Instrument :

MSVOA_L

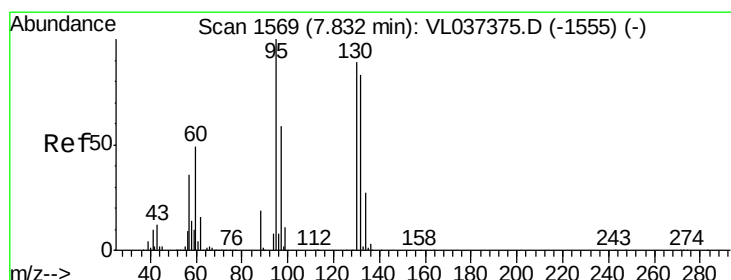
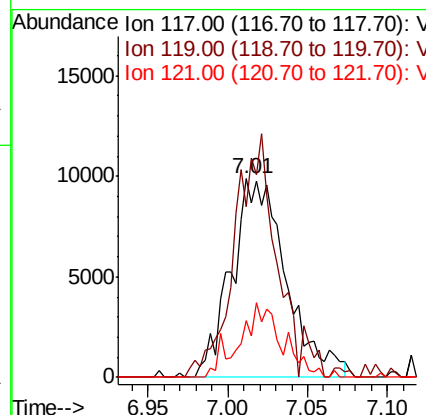
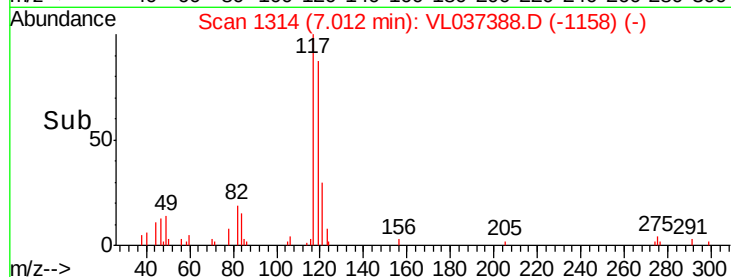
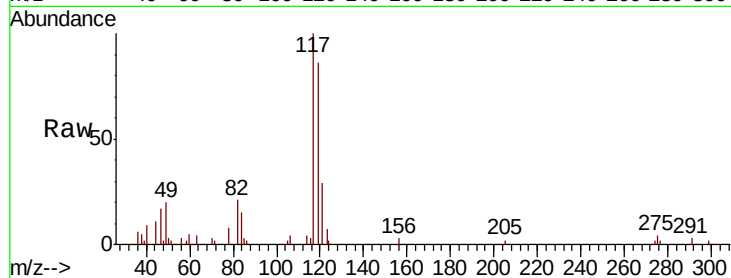
ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion:	117	Resp:	23341
Ion Ratio	Lower	Upper	
117	100		
119	85.7	76.1	114.1
121	28.6	24.4	36.6

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#38

Trichloroethene

Concen: 0.053 ppbv m

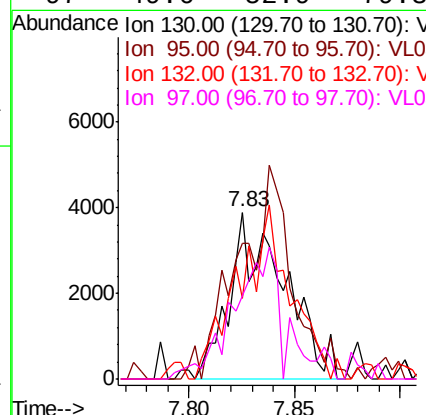
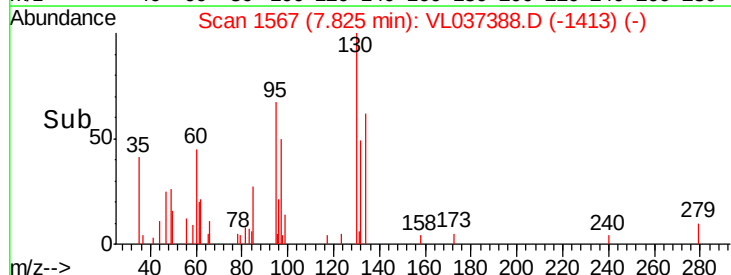
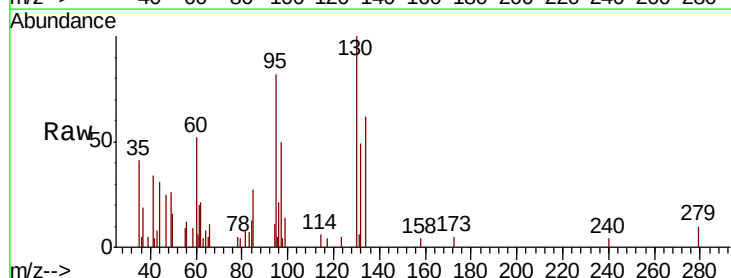
RT: 7.83 min Scan# 1567

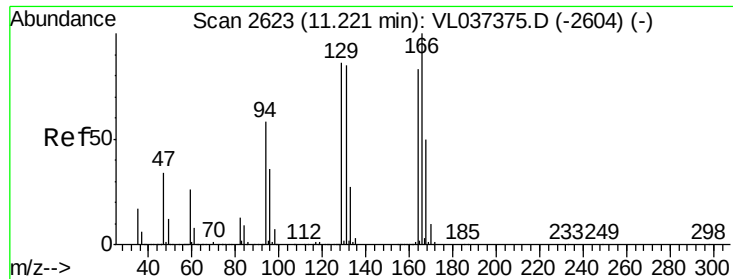
Delta R.T. -0.01 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Tgt Ion:	130	Resp:	6984
Ion Ratio	Lower	Upper	
130	100		
95	81.7	89.5	134.3#
132	48.6	74.2	111.4#
97	49.6	52.9	79.3#





#52

Tetrachloroethene

Concen: 1.208 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Instrument :

MSVOA_L

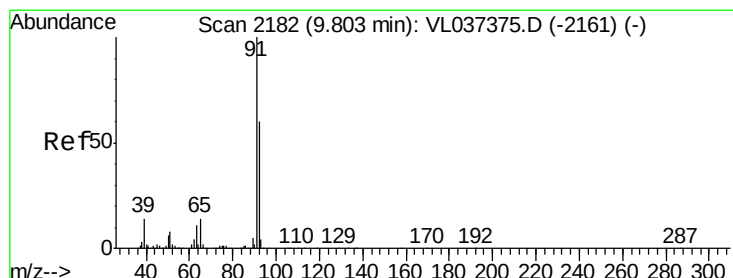
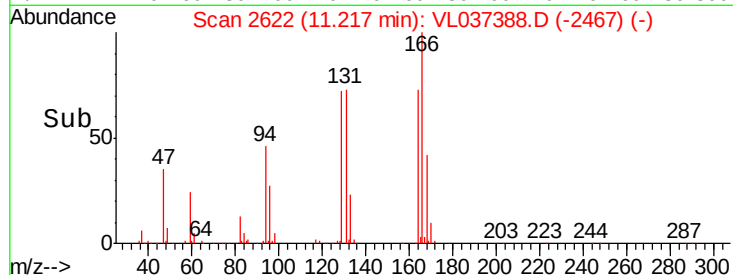
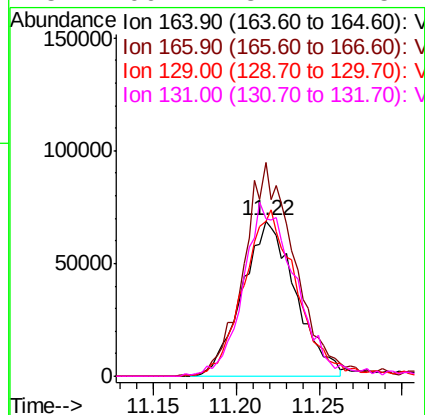
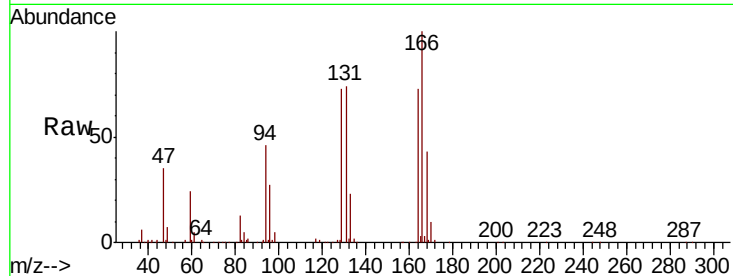
ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion:	164	Resp:	153717
Ion Ratio	Lower	Upper	
164	100		
166	136.7	96.5	144.7
129	98.8	83.2	124.8
131	100.7	82.2	123.2

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#53

Toluene

Concen: 0.120 ppbv m

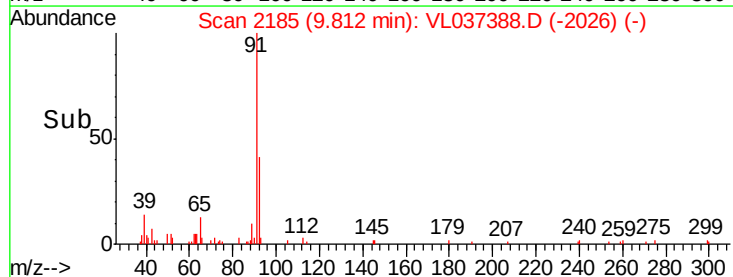
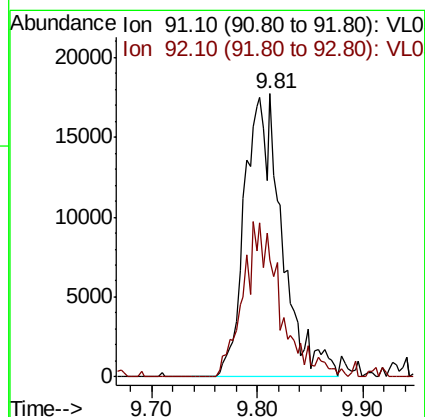
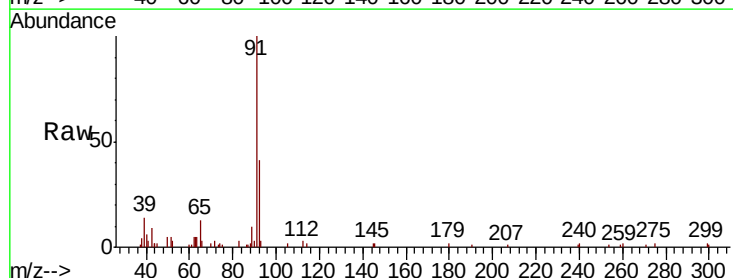
RT: 9.81 min Scan# 2185

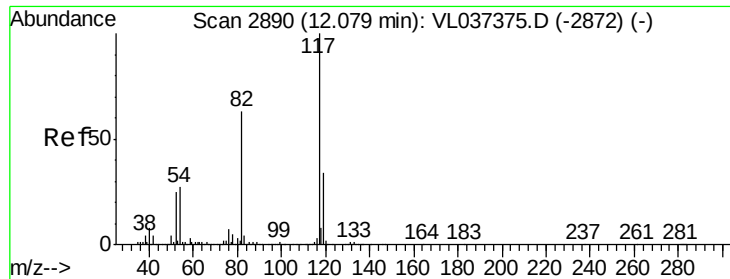
Delta R.T. 0.01 min

Lab File: VL037388.D

Acq: 11 Aug 2021 12:57

Tgt Ion:	91	Resp:	43460
Ion Ratio	Lower	Upper	
91	100		
92	55.0	48.1	72.1





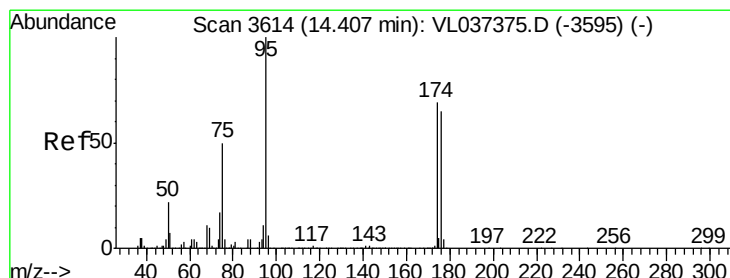
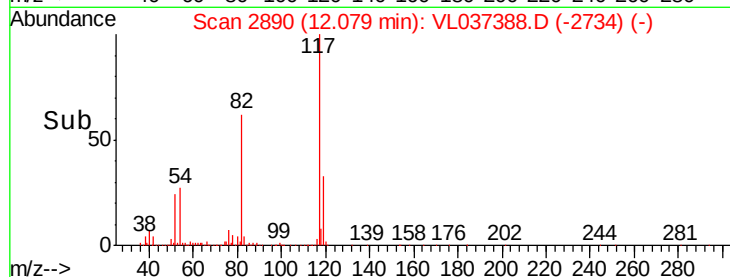
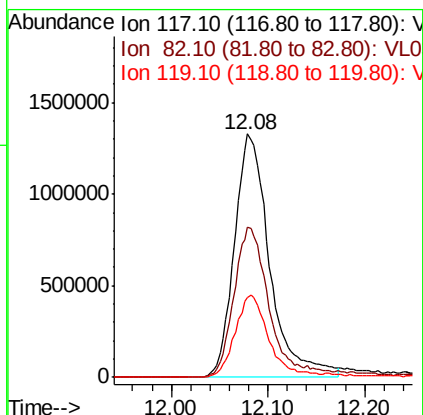
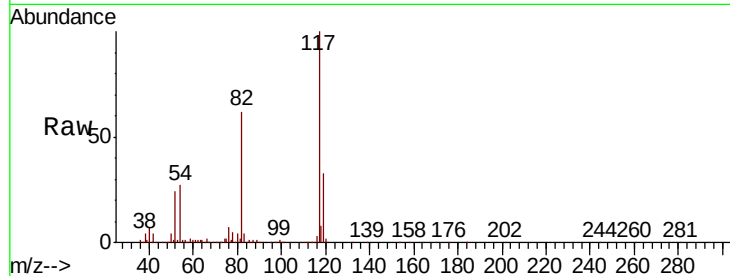
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.1	52.6	78.8
119	34.4	46.7	70.1#

Manual Integrations
APPROVED

apatel
8/12/2021 10:16:59 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.791 ppbv m
RT: 14.41 min Scan# 3616
Delta R.T. 0.01 min
Lab File: VL037388.D
Acq: 11 Aug 2021 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	0.0	58.3	87.5#
175	0.0	4.3	6.5#

