

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036710.D
 Acq On : 6 Apr 2021 23:06
 Operator : SY/AP
 Sample : M1877-12DL 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-9(2021)DL

Manual Integrations
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MMDadoda
 4/12/2021 11:11:23 AM

Quant Time: Apr 11 11:58:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1266601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3129699	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2797924	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2164094	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	87019	0.421	ppbv #	83
4) Chloromethane	3.13	50	26970	0.323	ppbv #	74
9) Propene	3.02	41	71916m	0.953	ppbv	
11) Trichlorofluoromethane	3.95	101	23992	0.114	ppbv #	79
13) Ethanol	3.62	45	9529318	1060.708	ppbv	94
15) Acetone	3.85	43	1019209	8.176	ppbv	98
19) Isopropyl Alcohol	3.99	45	16914491	246.651	ppbv #	93
20) Methylene Chloride	4.34	84	747229	12.802	ppbv	89
26) Hexane	5.69	57	796587	5.792	ppbv #	48
34) 2-Butanone	5.24	43	87385m	0.572	ppbv	
36) Benzene	6.89	78	37198	0.129	ppbv	93
44) 2,2,4-Trimethylpentane	7.87	57	173471	0.341	ppbv #	87
53) Toluene	9.81	91	140956m	0.459	ppbv	

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

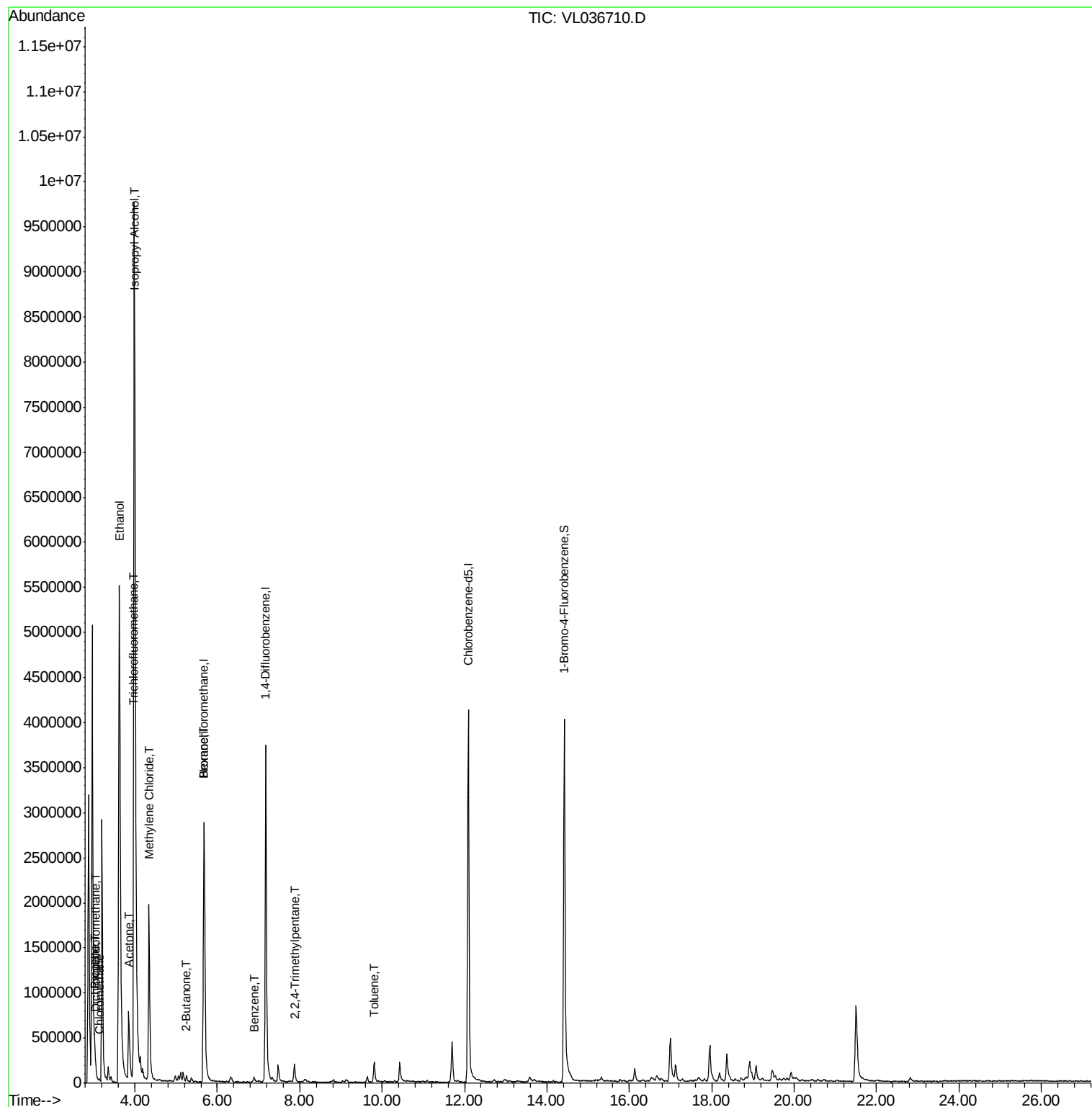
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040621\
Data File : VL036710.D
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Operator : SY/AP
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ALS Vial : 12 Sample Multiplier: 1

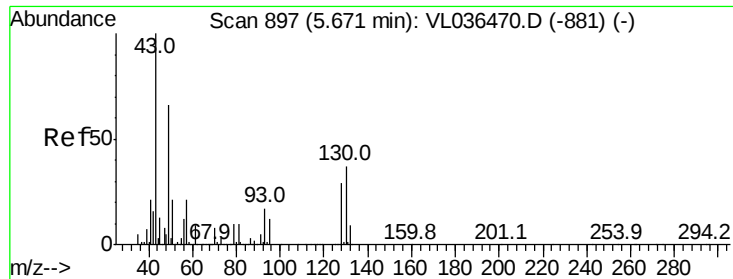
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-9(2021)DL

Manual Integrations
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4/12/2021 11:11:23 AM

Quant Time: Apr 11 11:58:01 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036710.D

Acq: 6 Apr 2021 23:06

Instrument :

MSVOA_L

ClientSampleId :

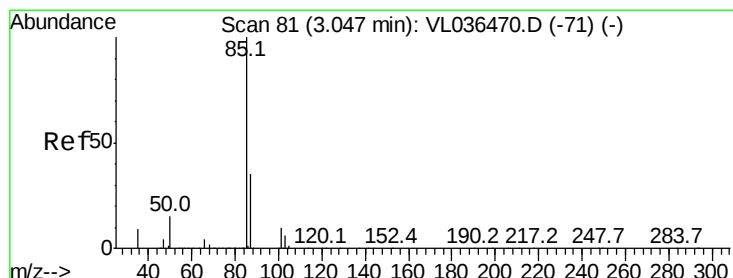
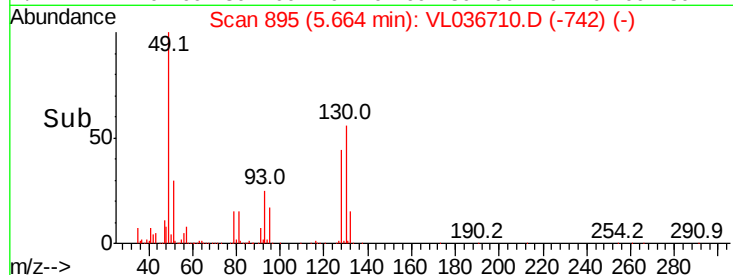
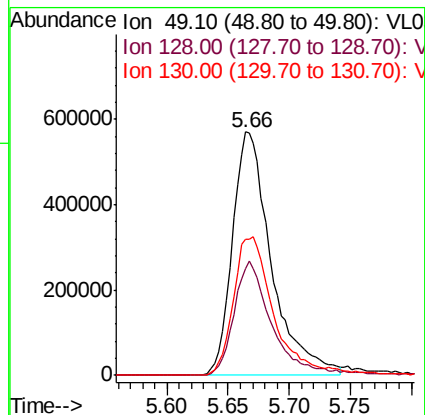
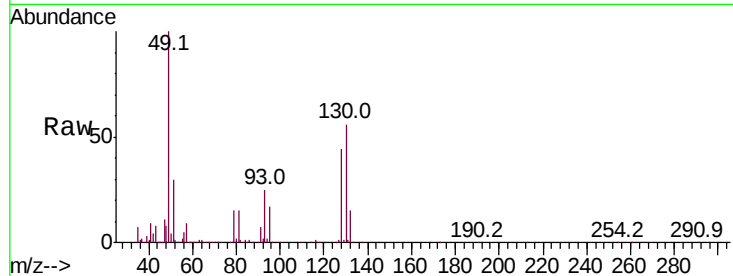
UP-SG-9(2021)DL

Tot Ion: 49 Resp: 1266601

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.5	70.6
130	60.1	29.1	87.4

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#2

Dichlorodifluoromethane

Concen: 0.421 ppbv

RT: 3.05 min Scan# 81

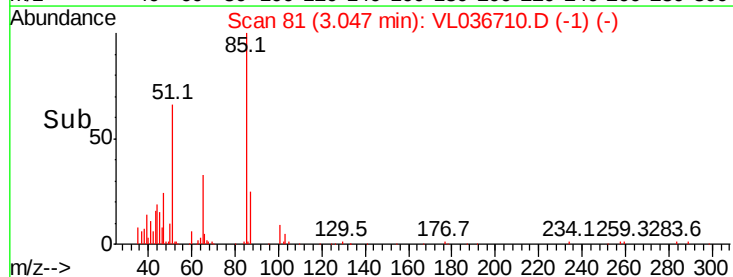
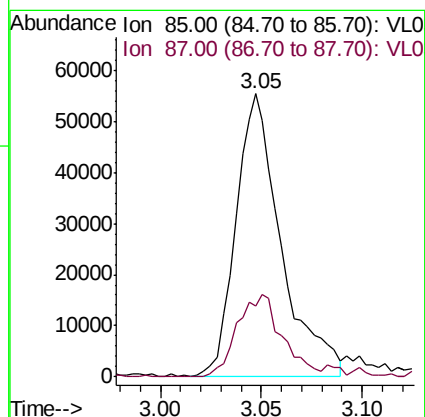
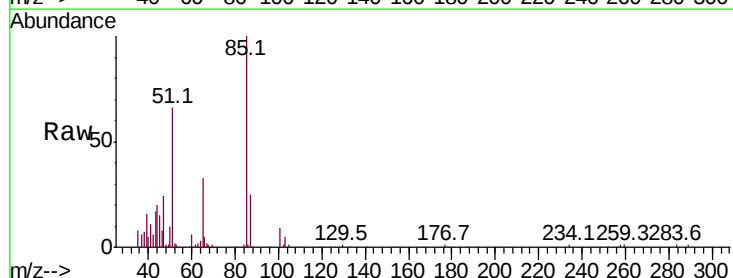
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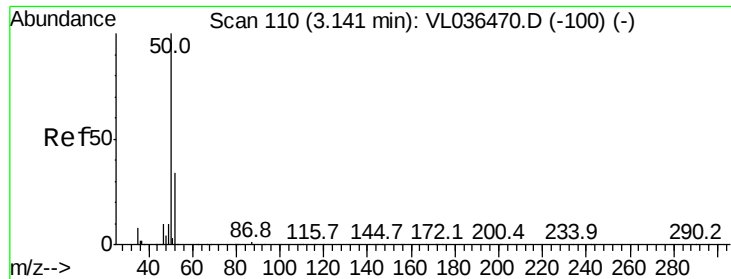
Lab File: VL036710.D

Acq: 6 Apr 2021 23:06

Tgt Ion: 85 Resp: 87019

Ion	Ratio	Lower	Upper
85	100		
87	24.8	27.8	41.8#





#4

Chloromethane

Concen: 0.323 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036710.D

Acq: 6 Apr 2021 23:06

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-9(2021)DL

Tot Ion: 50 Resp: 26970

Ion Ratio Lower Upper

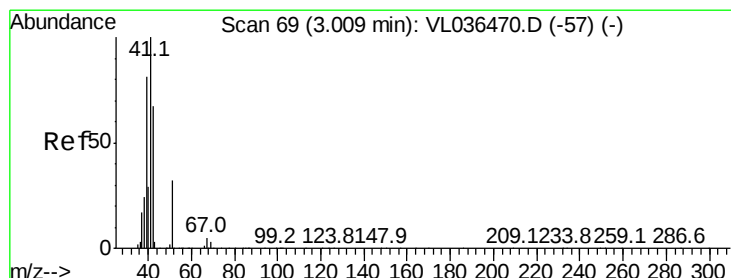
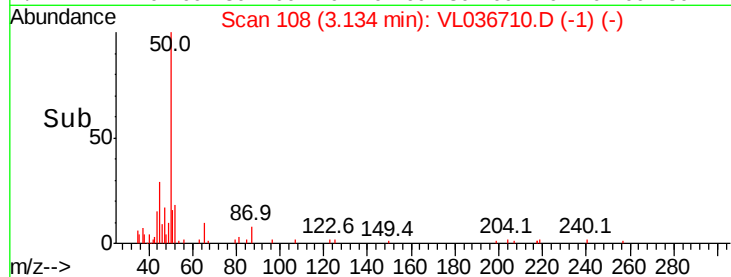
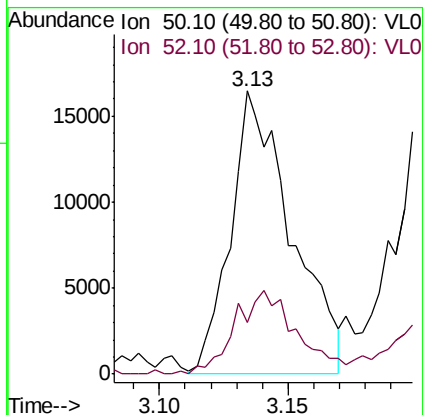
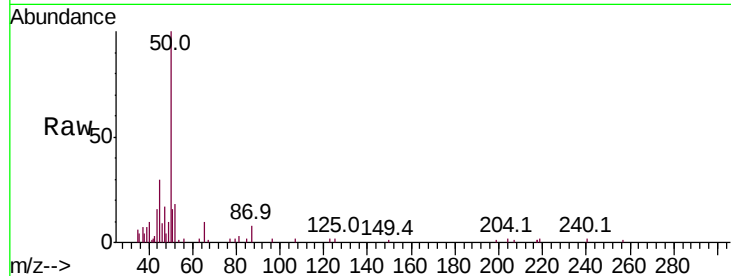
50 100

52 18.7 27.0 40.6#

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#9

Propene

Concen: 0.953 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036710.D

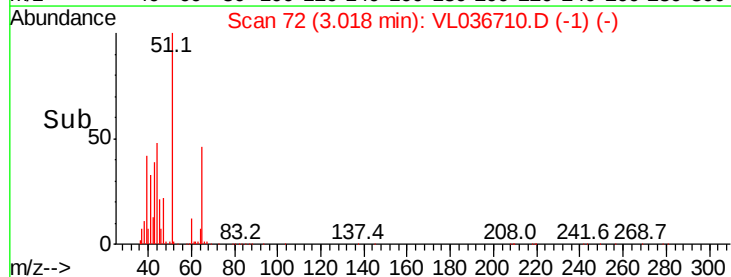
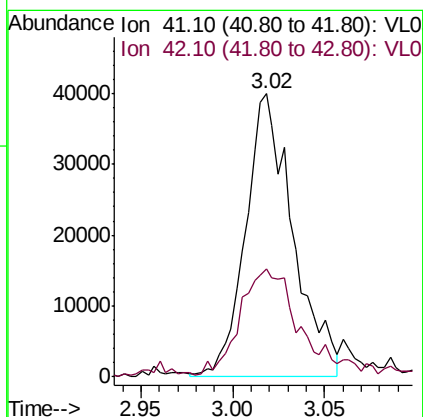
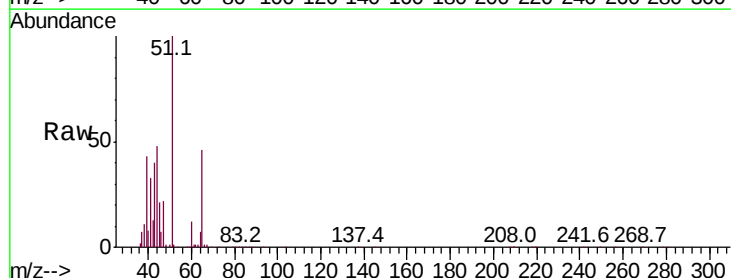
Acq: 6 Apr 2021 23:06

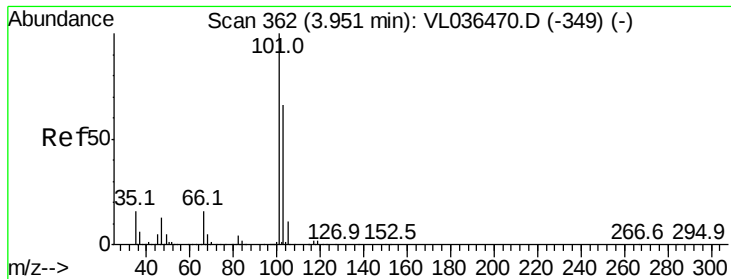
Tgt Ion: 41 Resp: 71916

Ion Ratio Lower Upper

41 100

42 968.8 57.0 85.4#





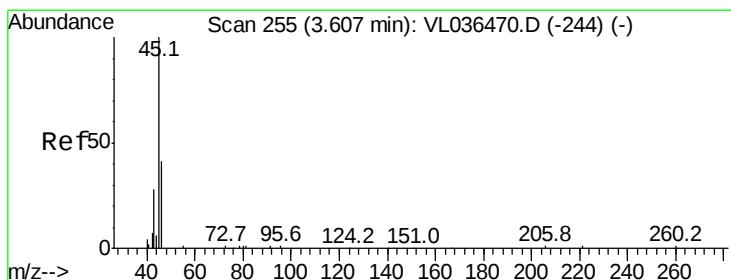
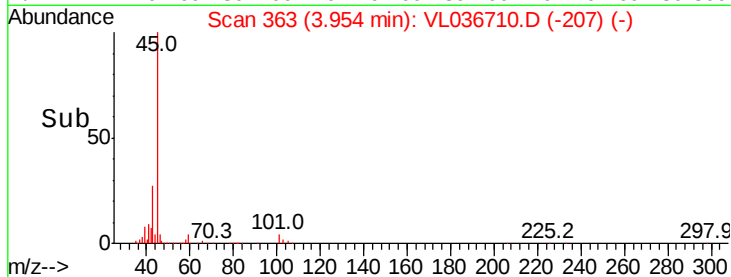
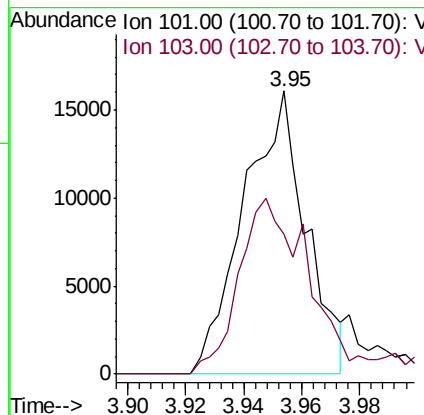
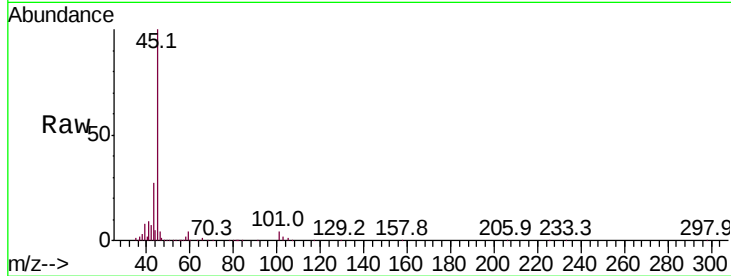
#11
 Trichlorofluoromethane
 Concen: 0.114 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VL036710.D
 Acq: 6 Apr 2021 23:06

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-9(2021)DL

Tot Ion: 101 Resp: 23992
 Ion Ratio Lower Upper
 101 100
 103 49.2 52.5 78.7#

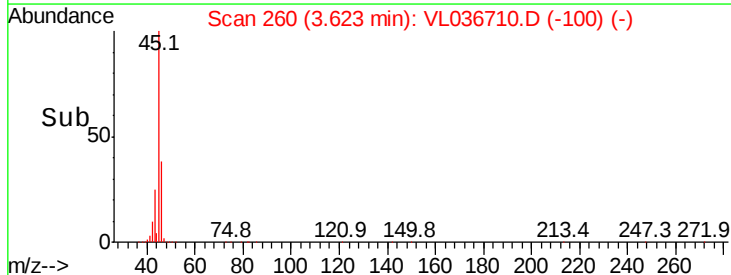
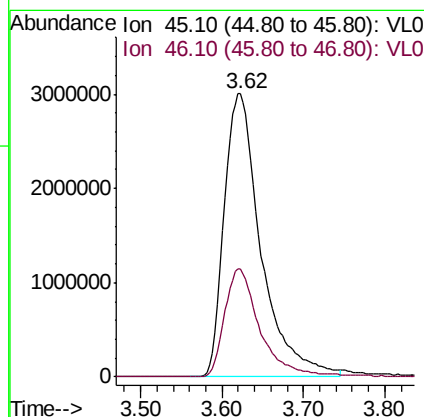
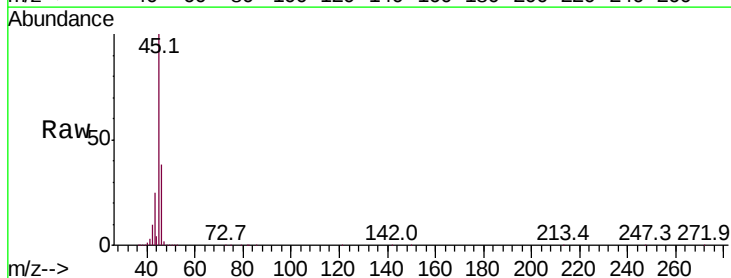
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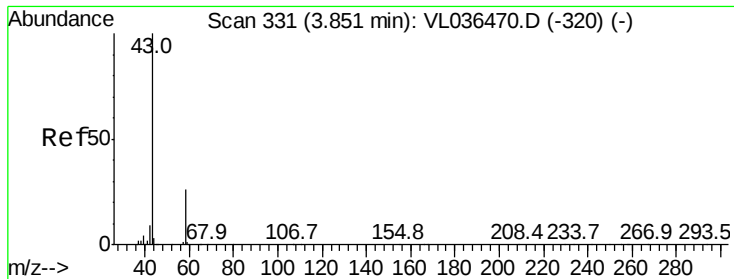
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#13
 Ethanol
 Concen: 1060.708 ppbv
 RT: 3.62 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VL036710.D
 Acq: 6 Apr 2021 23:06

Tgt Ion: 45 Resp: 9529318
 Ion Ratio Lower Upper
 45 100
 46 37.5 16.6 66.2





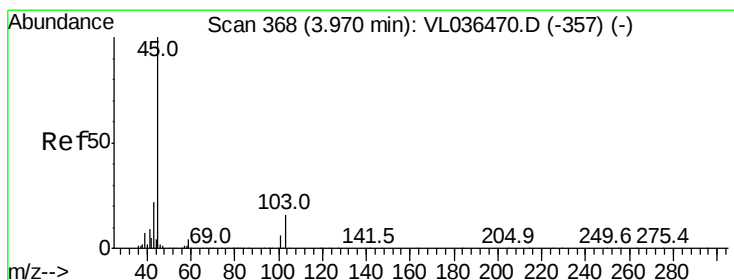
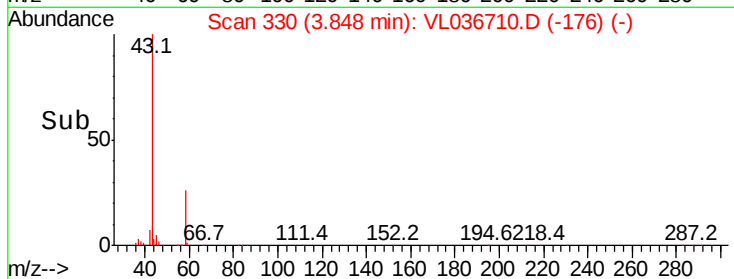
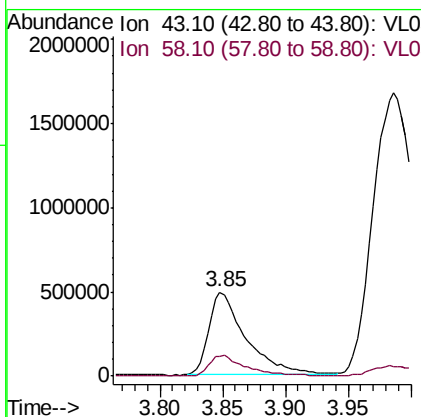
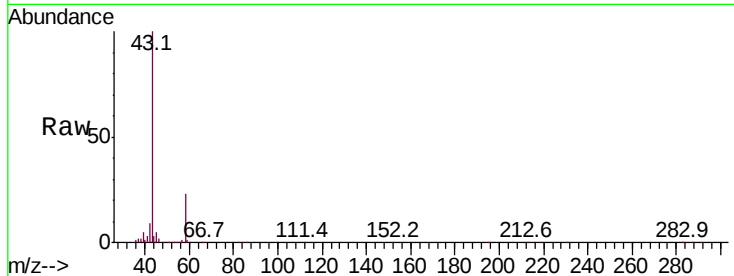
#15
Acetone
Concen: 8.176 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036710.D
Acq: 6 Apr 2021 23:06

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-9(2021)DL

Tot Ion: 43 Resp: 1019209
Ion Ratio Lower Upper
43 100
58 25.7 21.2 31.8

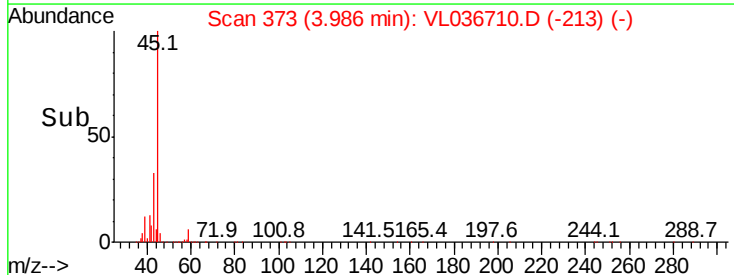
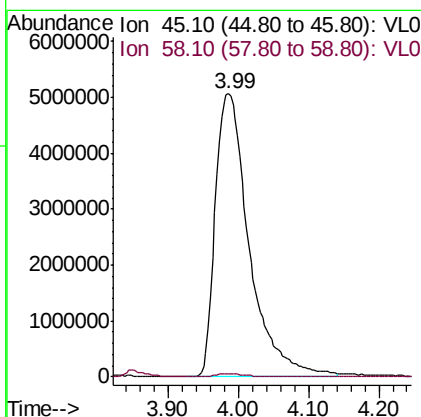
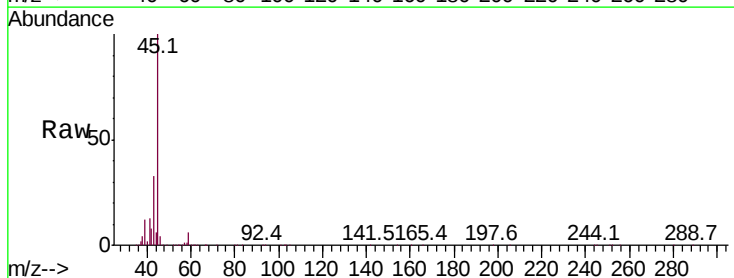
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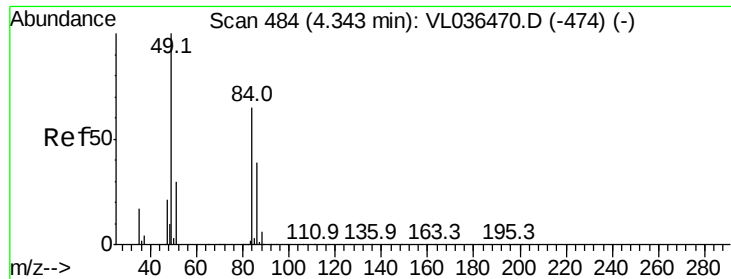
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#19
Isopropyl Alcohol
Concen: 246.651 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL036710.D
Acq: 6 Apr 2021 23:06

Tgt Ion: 45 Resp: 16914491
Ion Ratio Lower Upper
45 100
58 1.2 2.9 4.3#





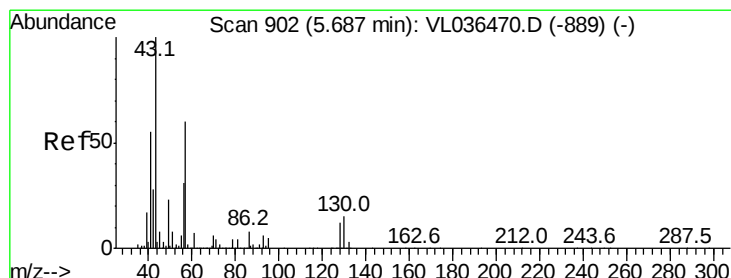
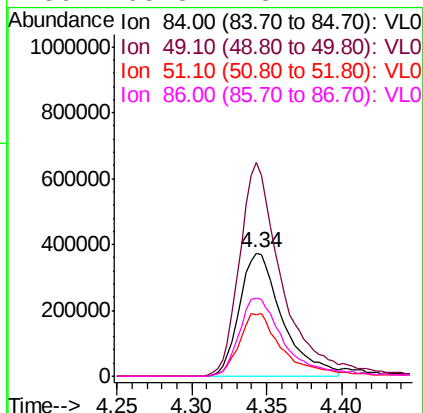
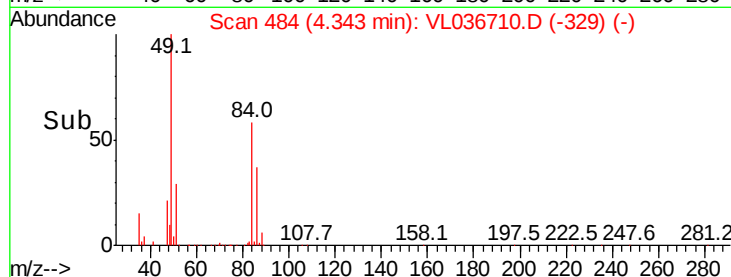
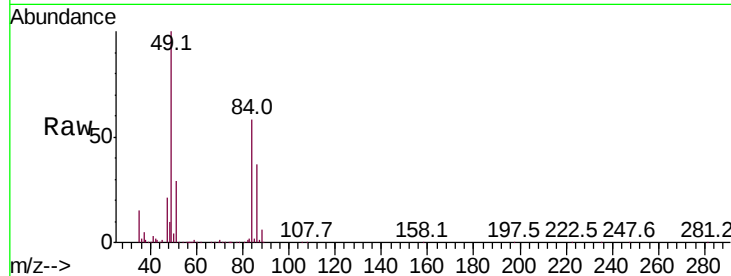
#20
Methvlene Chloride
Concen: 12.802 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036710.D
Acq: 6 Apr 2021 23:06

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-9(2021)DL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	173.0	122.9	184.3	
51	49.3	36.9	55.3	
86	63.3	48.2	72.4	

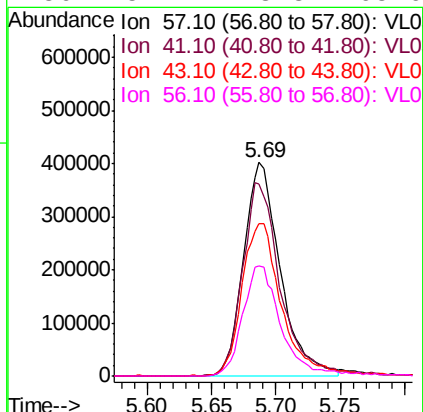
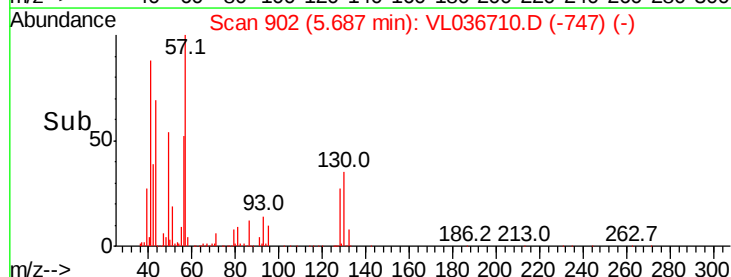
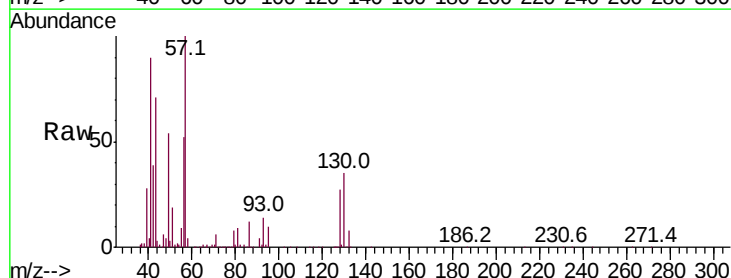
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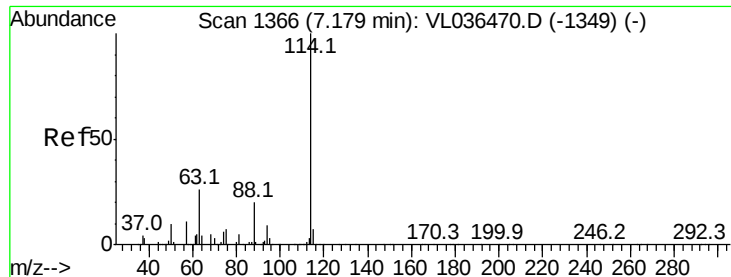
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#26
Hexane
Concen: 5.792 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036710.D
Acq: 6 Apr 2021 23:06

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.3	77.2	115.8	
43	78.5	173.8	260.6#	
56	54.4	43.8	65.6	





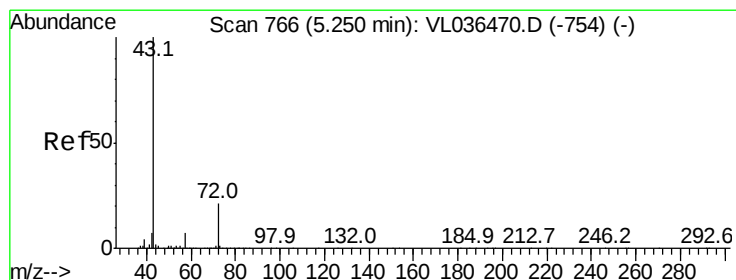
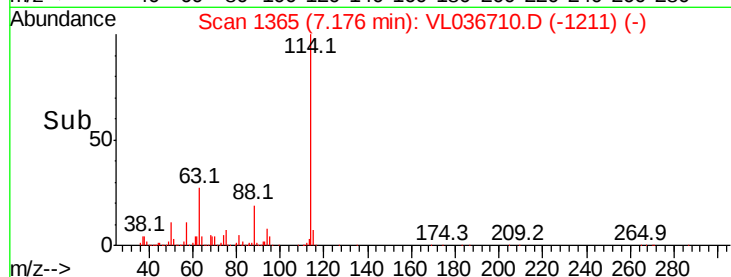
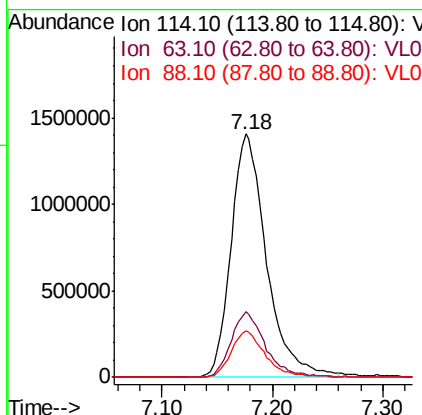
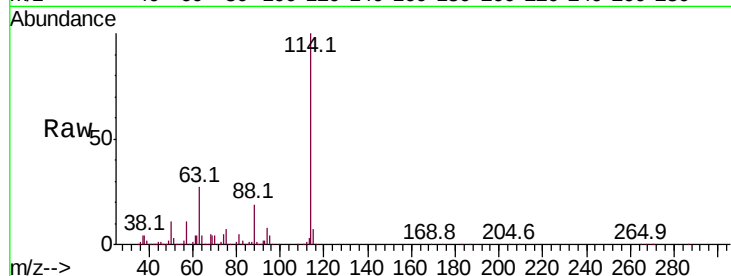
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036710.D
 Acq: 6 Apr 2021 23:06

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-9(2021)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	22.4	33.6
88	18.8	15.4	23.0

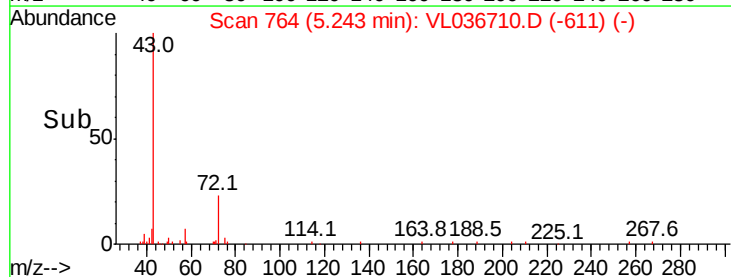
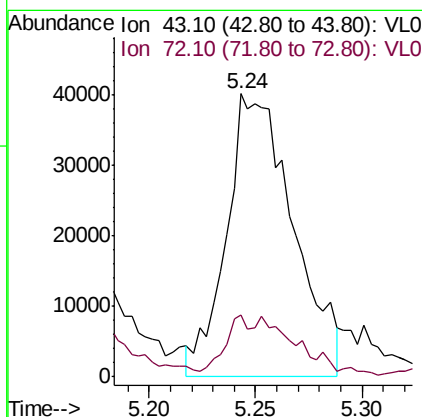
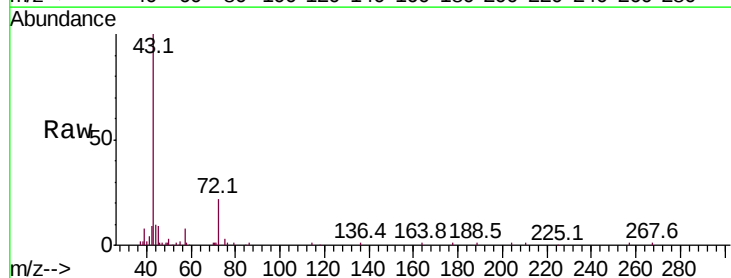
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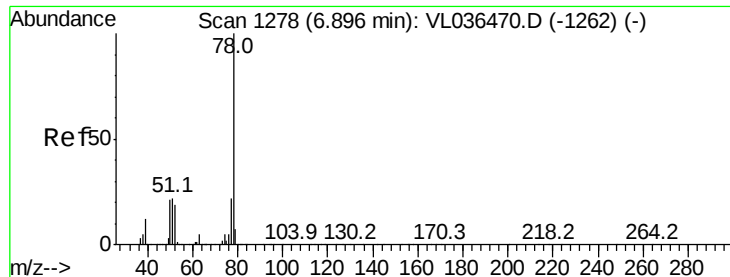
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#34
 2-Butanone
 Concen: 0.572 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036710.D
 Acq: 6 Apr 2021 23:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#





#36

Benzene

Concen: 0.129 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036710.D

Acq: 6 Apr 2021 23:06

Instrument :

MSVOA_L

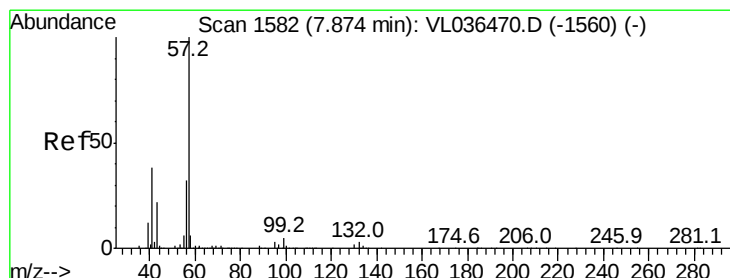
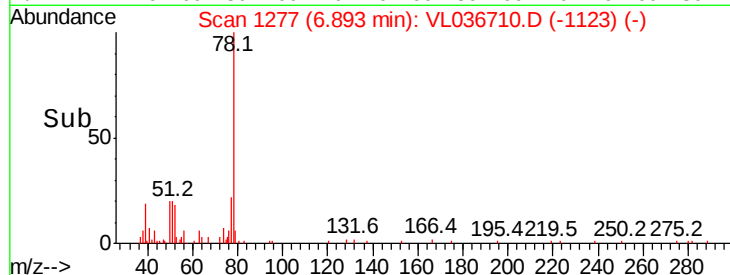
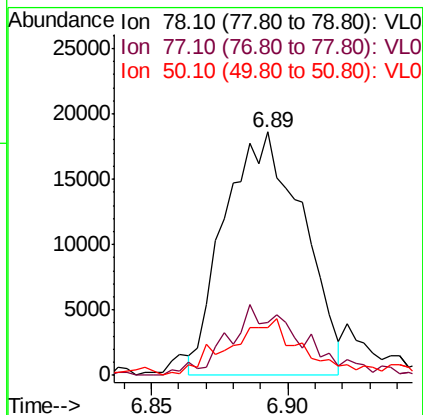
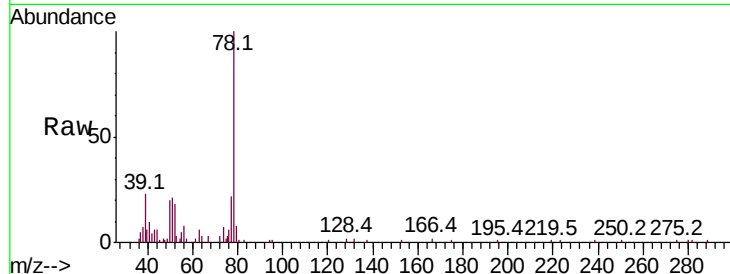
ClientSampleId :

UP-SG-9(2021)DL

Tot Ion:	78	Resp:	37198
Ion	Ratio	Lower	Upper
78	100		
77	19.3	18.0	27.0
50	17.1	16.5	24.7

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.341 ppbv

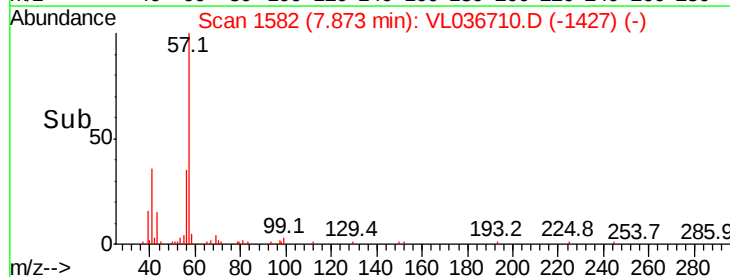
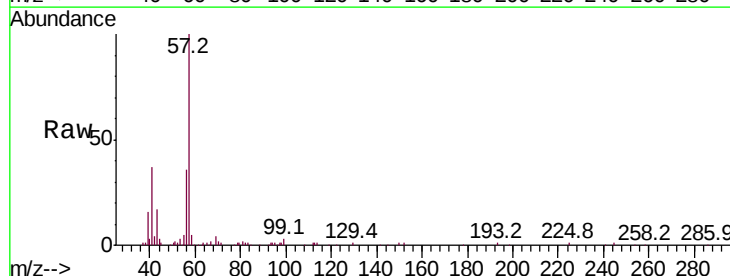
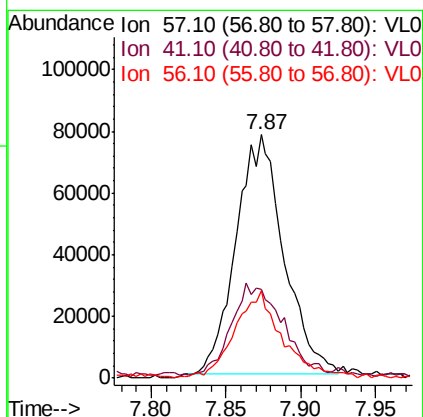
RT: 7.87 min Scan# 1582

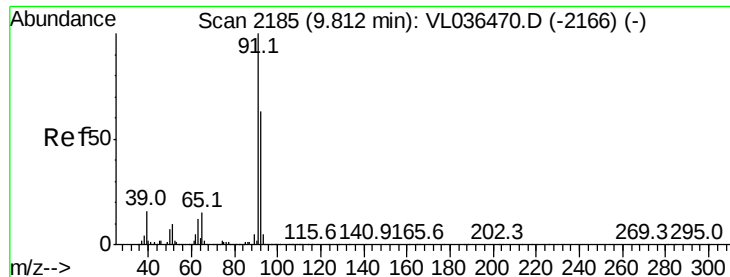
Delta R.T. -0.00 min

Lab File: VL036710.D

Acq: 6 Apr 2021 23:06

Tgt Ion:	57	Resp:	173471
Ion	Ratio	Lower	Upper
57	100		
41	47.2	28.8	43.2#
56	35.6	26.1	39.1





#53

Toluene

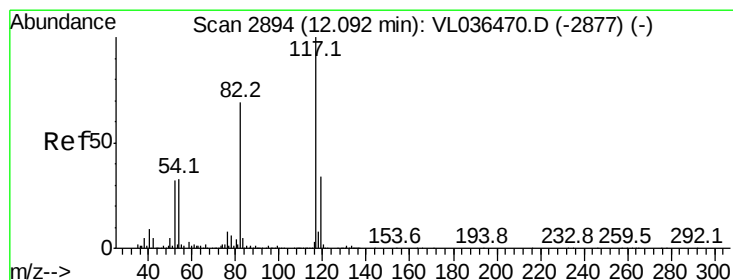
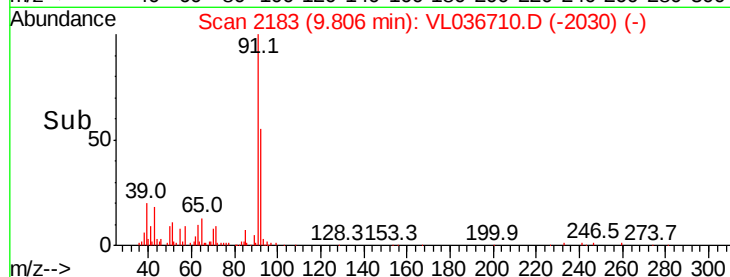
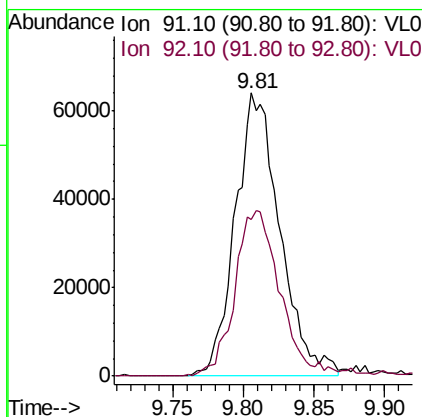
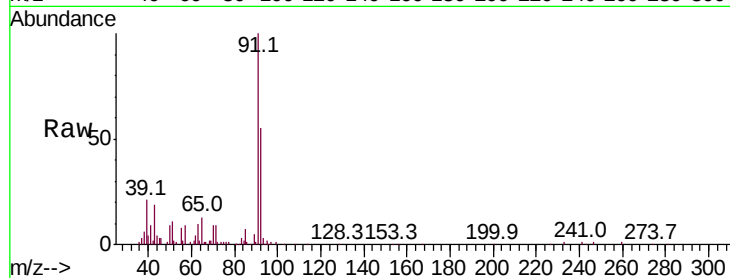
Concen: 0.459 ppbv m
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL036710.D
Acq: 6 Apr 2021 23:06

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-9(2021)DL

Tot Ion: 91 Resp: 140956
Ion Ratio Lower Upper
91 100
92 0.0 48.8 73.2#

Manual Integrations
APPROVED

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4/12/2021 11:11:23 AM

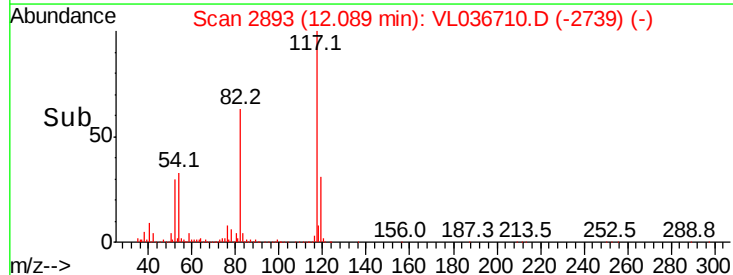
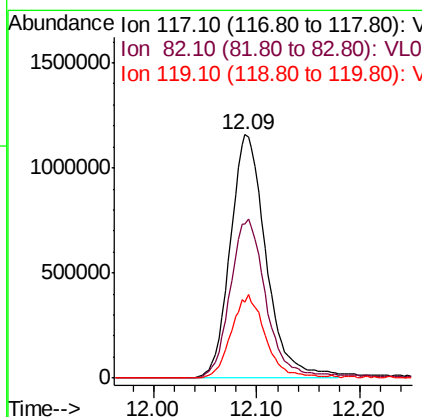
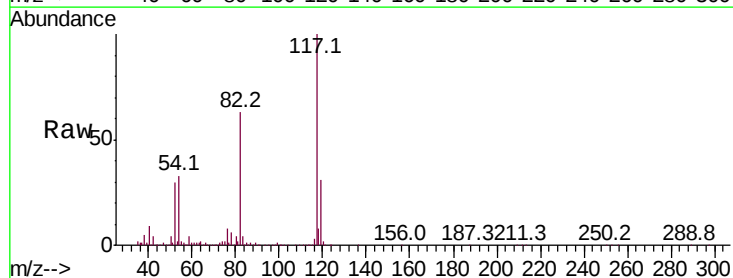


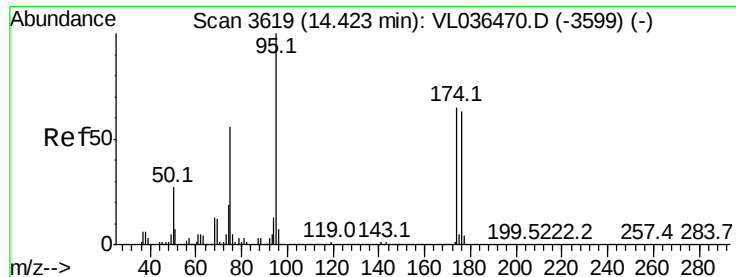
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036710.D
Acq: 6 Apr 2021 23:06

Tgt Ion: 117 Resp: 2797924
Ion Ratio Lower Upper
117 100
82 67.0 57.4 86.0
119 33.4 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.705 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036710.D

Acq: 6 Apr 2021 23:06

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-9(2021)DL

Tot Ion: 95 Resp: 2164094

Ion Ratio Lower Upper

95 100

174 68.0 51.0 76.6

175 5.2 3.9 5.9

Manual Integrations

APPROVED

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4/12/2021 11:11:23 AM

