

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036604.D
 Acq On : 31 Mar 2021 16:27
 Operator : SY/AP
 Sample : M1840-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSB-SS-2DL

Manual Integrations
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 4/2/2021 6:52:38 PM

Quant Time: Apr 01 22:55:57 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	5.67	49	1711021	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3990744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3529699	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2740477	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	25118	0.246	ppbv	94
13) Ethanol	3.62	45	144300m	11.890	ppbv	
15) Acetone	3.85	43	1697924	10.082	ppbv	95
17) tert-Butyl alcohol	4.34	59	65367m	0.446	ppbv	
19) Isopropyl Alcohol	4.00	45	114550m	1.237	ppbv	
20) Methylene Chloride	4.35	84	209816	2.661	ppbv	95
26) Hexane	5.69	57	262182	1.411	ppbv #	46
32) 1,1,1-Trichloroethane	6.51	97	32789m	0.109	ppbv	
34) 2-Butanone	5.26	43	139245	0.715	ppbv #	78
37) 1,2-Dichloroethane	6.31	62	182910	0.844	ppbv	98
53) Toluene	9.81	91	46034m	0.117	ppbv	
59) m/p-Xylene	12.98	91	120470m	0.269	ppbv	
60) o-Xylene	13.70	91	70535m	0.163	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	83591m	0.176	ppbv	

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

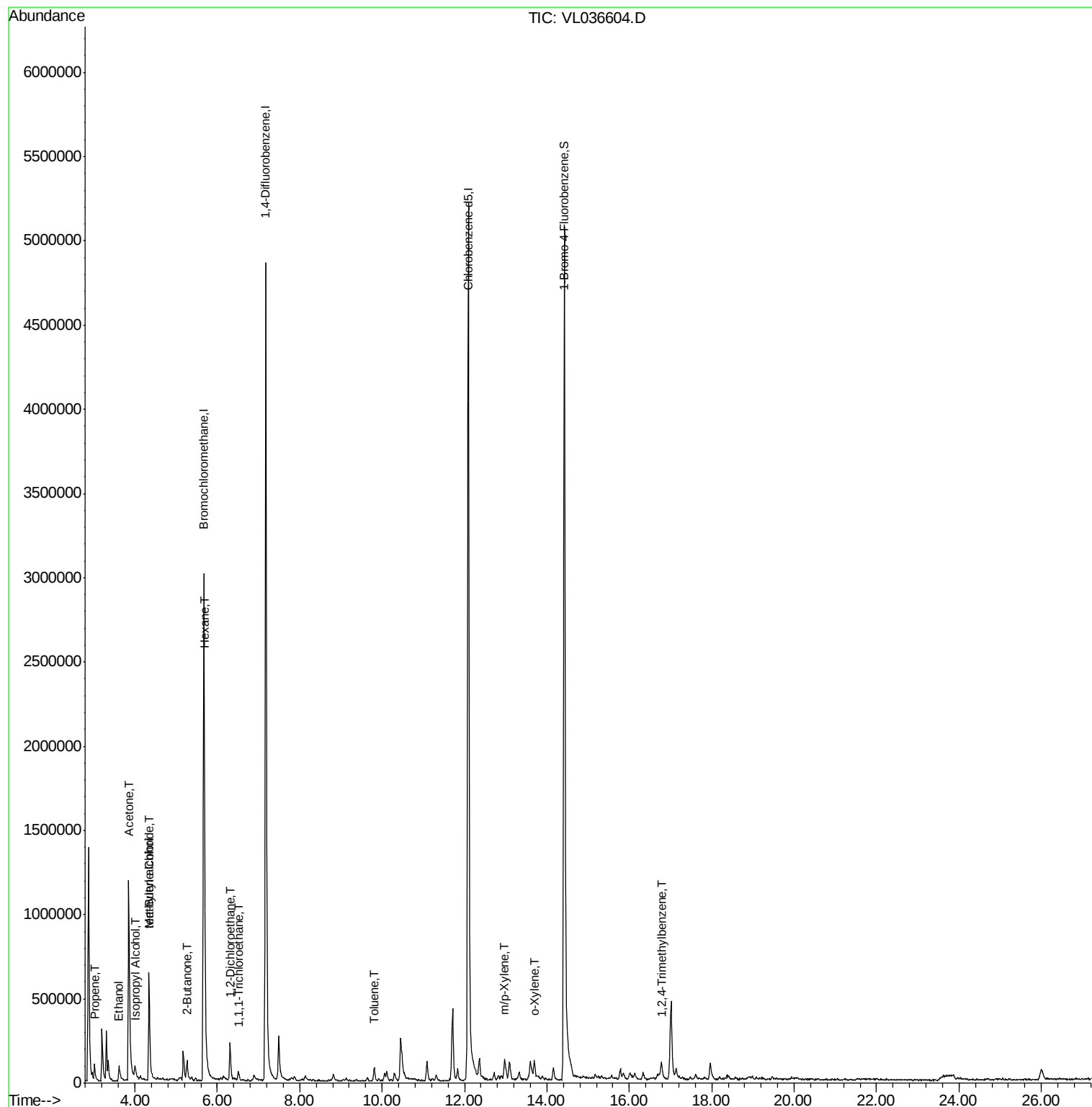
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033121\
Data File : VL036604.D
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Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

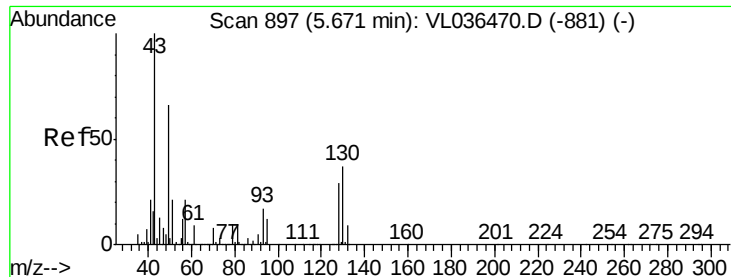
Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

Manual Integrations
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Quant Time: Apr 01 22:55:57 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

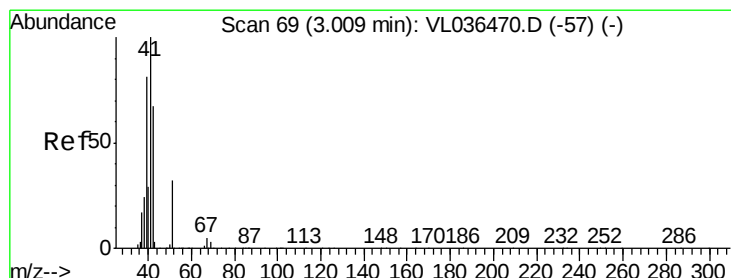
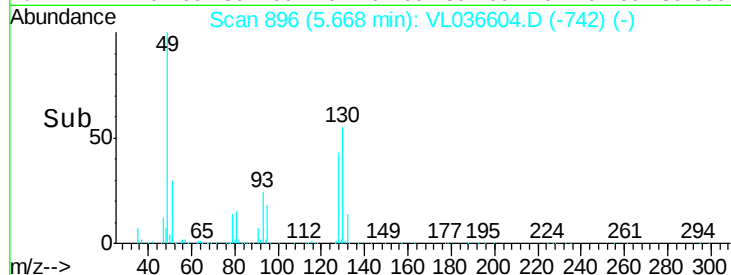
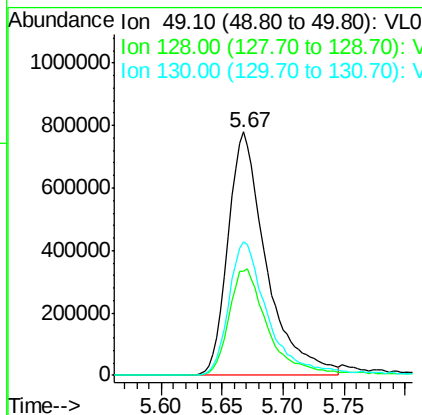
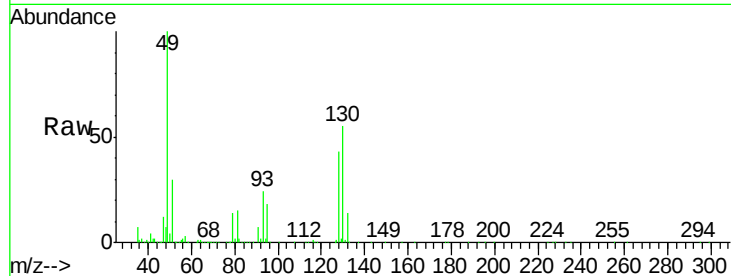
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: VL036604.D
 Acq: 31 Mar 2021 16:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SSB-SS-2DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.3	23.5	70.6
130	57.5	29.1	87.4

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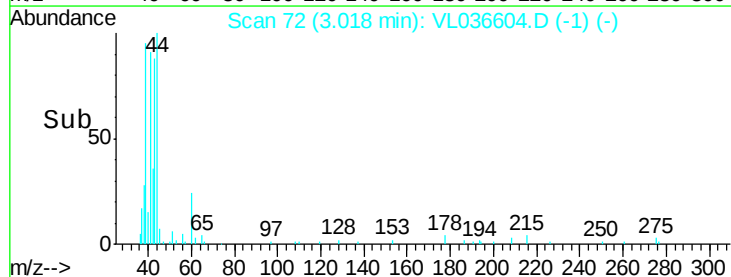
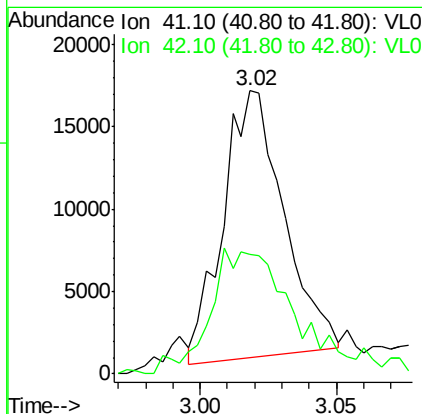
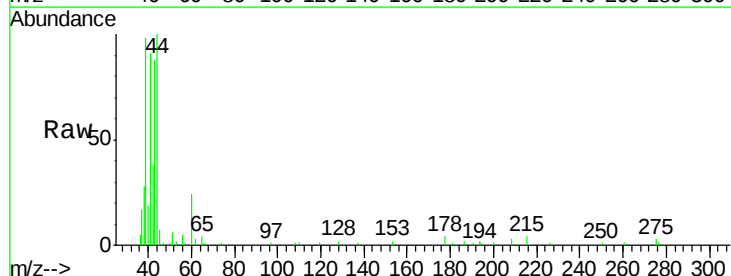
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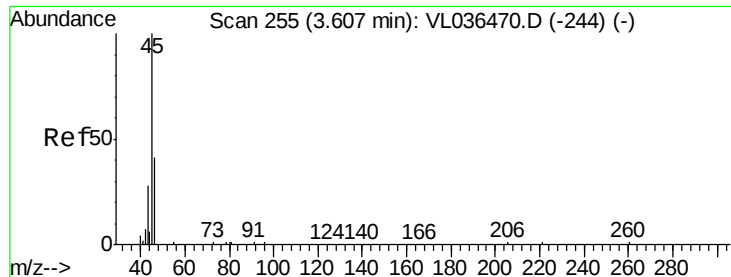


#9

Propene
 Concen: 0.246 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL036604.D
 Acq: 31 Mar 2021 16:27

Tgt Ion	Ratio	Lower	Upper
41	100		
42	66.5	57.0	85.4





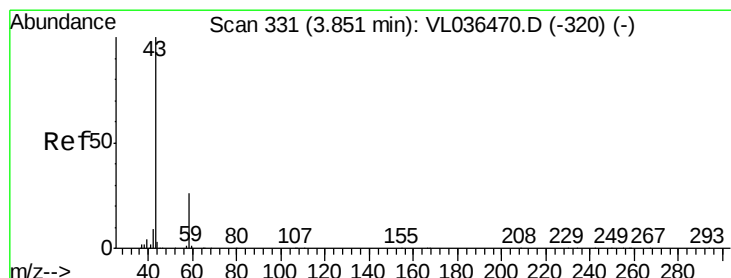
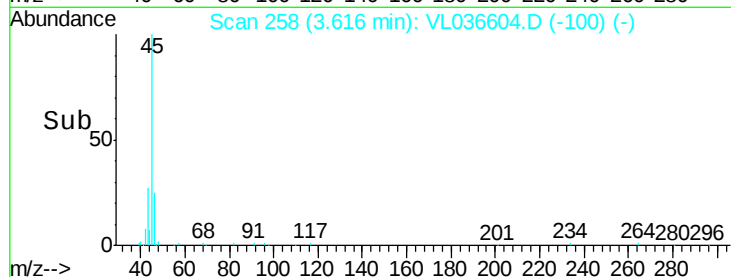
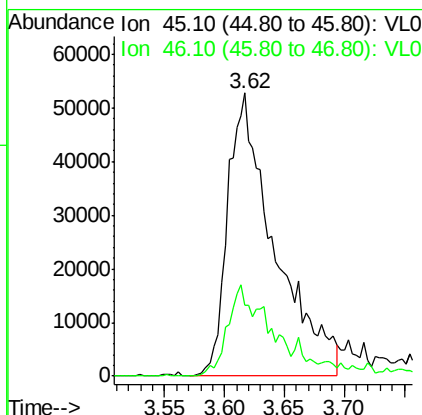
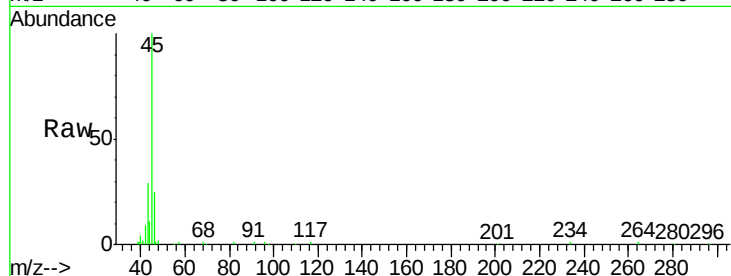
#13
Ethanol
Concen: 11.890 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

Tot Ion	45	46	Ratio	Lower	Upper
144300	100	34.5		16.6	66.2

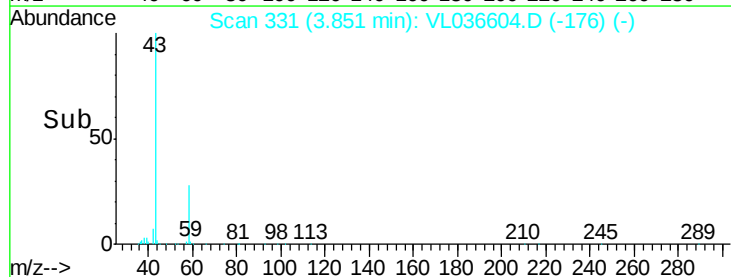
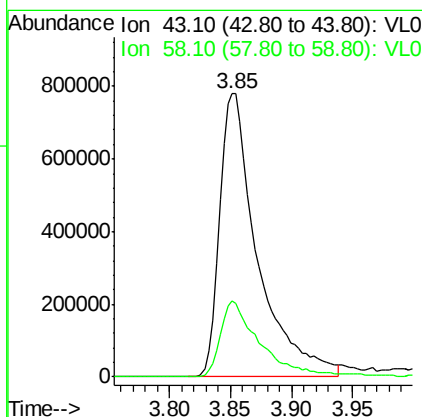
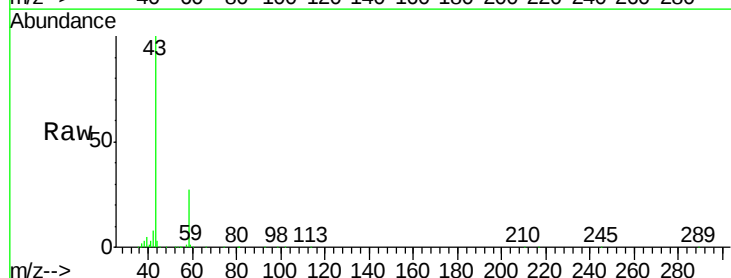
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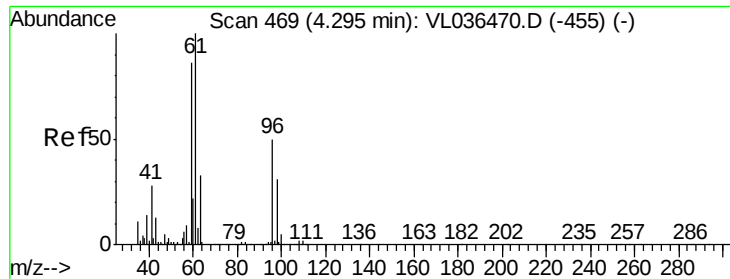
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#15
Acetone
Concen: 10.082 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tgt Ion	43	58	Ratio	Lower	Upper
1697924	100	29.2		21.2	31.8





#17

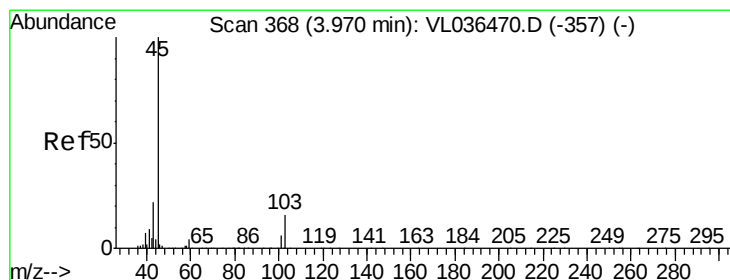
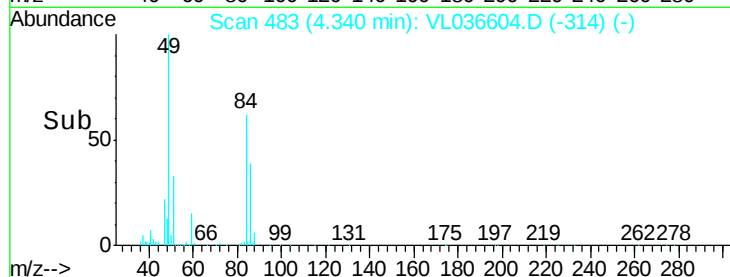
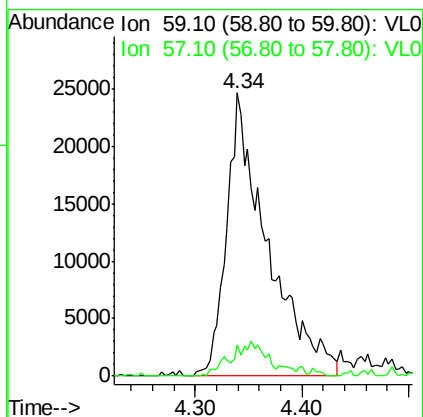
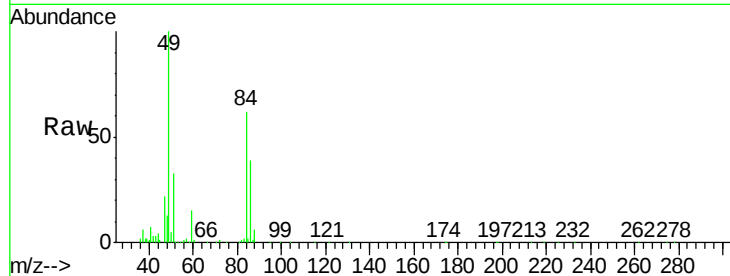
tert-Butyl alcohol
Concen: 0.446 ppbv m
RT: 4.34 min Scan# 483
Delta R.T. 0.04 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

Tot Ion: 59 Resp: 65367
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

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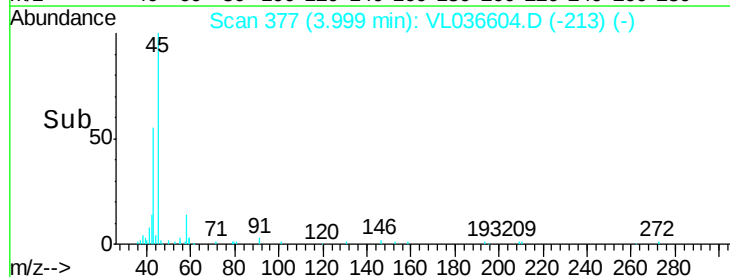
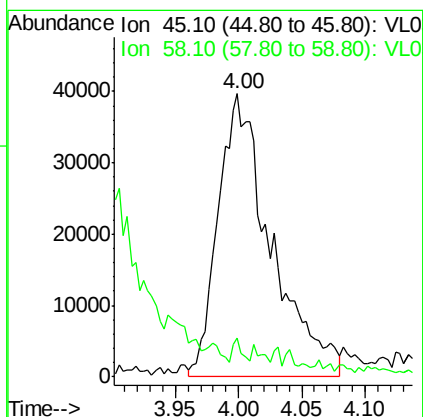
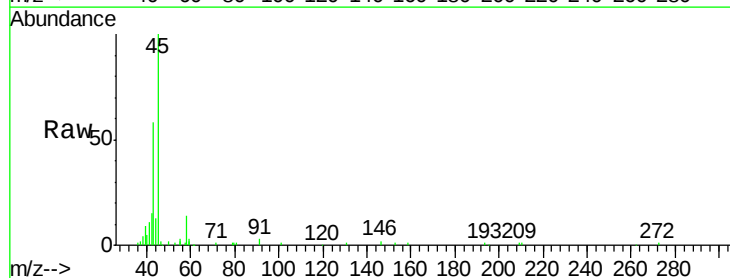
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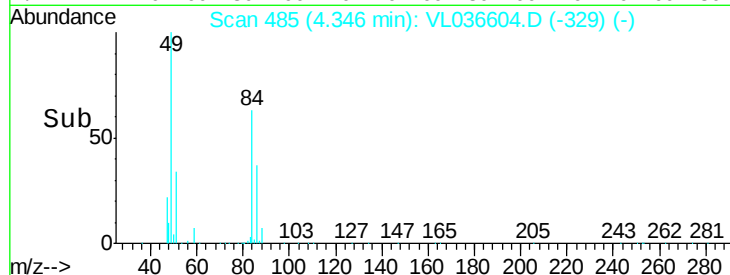
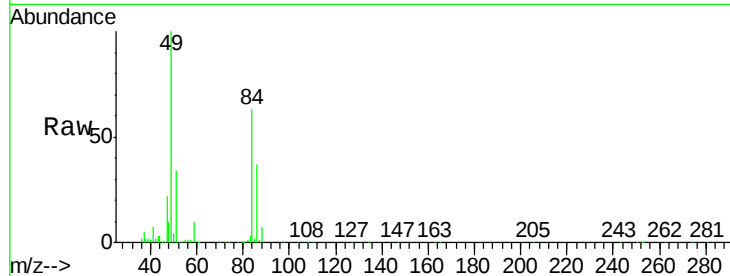
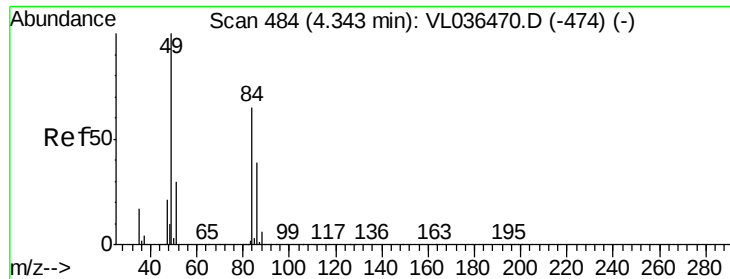


#19

Isopropyl Alcohol
Concen: 1.237 ppbv m
RT: 4.00 min Scan# 377
Delta R.T. 0.03 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tgt Ion: 45 Resp: 114550
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#





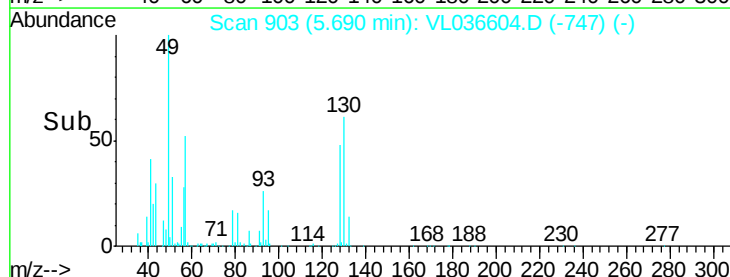
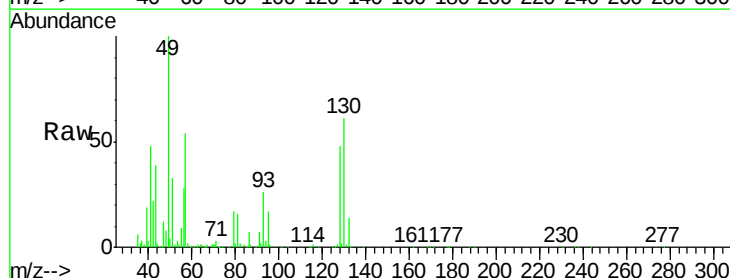
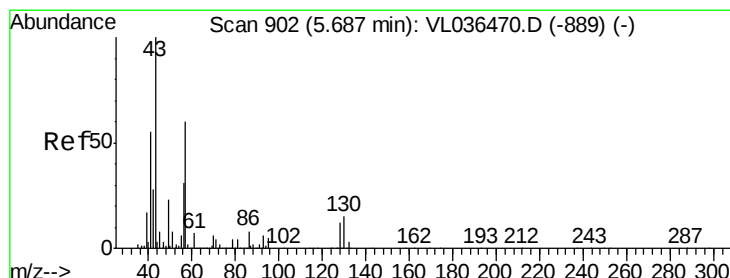
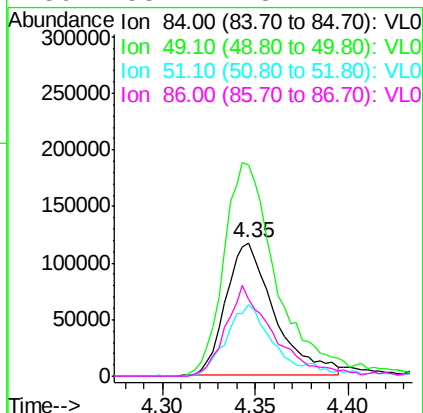
#20
Methvlene Chloride
Concen: 2.661 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tot Ion	84	Resp	209816
Ion Ratio	Lower	Upper	
84	100		
49	158.3	122.9	184.3
51	53.0	36.9	55.3
86	58.4	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

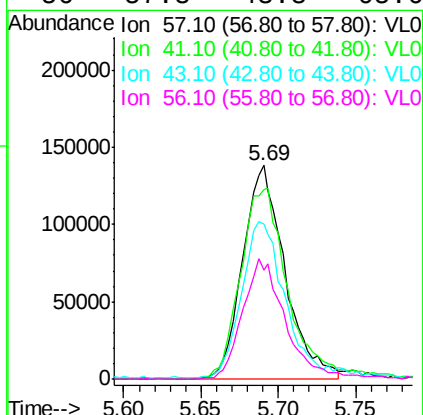
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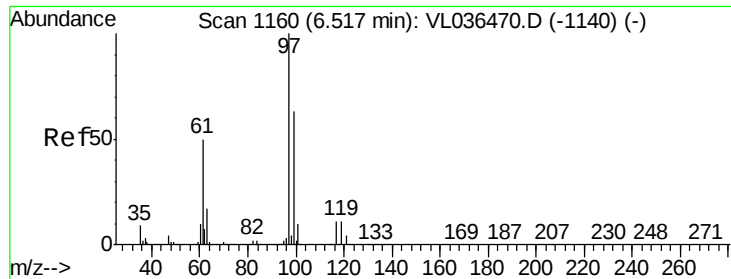
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#26
Hexane
Concen: 1.411 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tgt Ion	57	Resp	262182
Ion Ratio	Lower	Upper	
57	100		
41	103.1	77.2	115.8
43	78.8	173.8	260.6#
56	57.8	43.8	65.6





#32

1,1,1-Trichloroethane

Concen: 0.109 ppbv m

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL036604.D

Acq: 31 Mar 2021 16:27

Instrument :

MSVOA_L

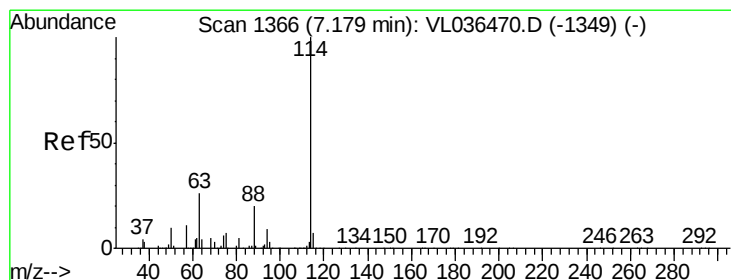
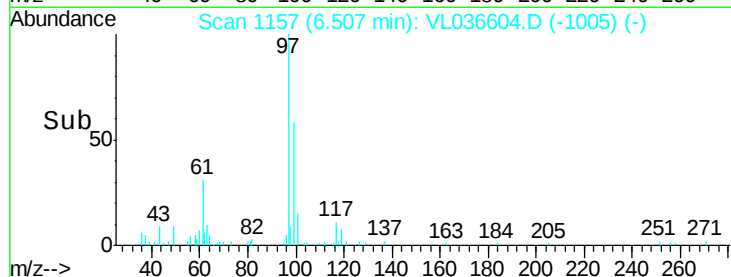
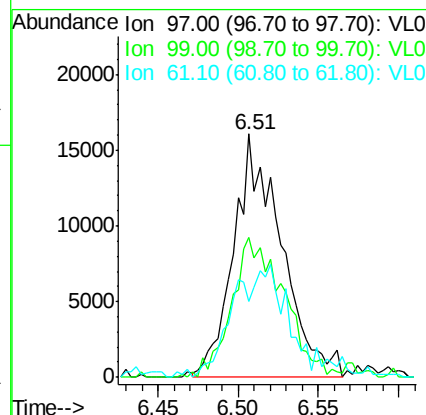
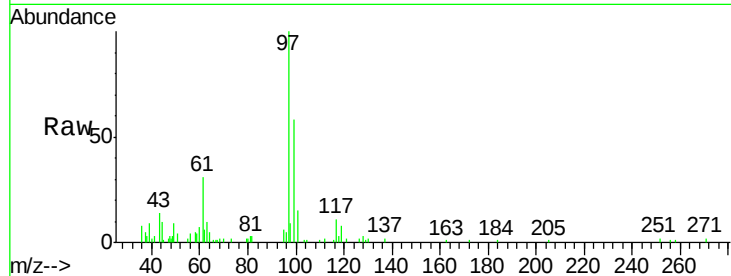
ClientSampleId :

SSB-SS-2DL

Tot Ion:	97	Resp:	32789
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	57.9	40.6	60.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

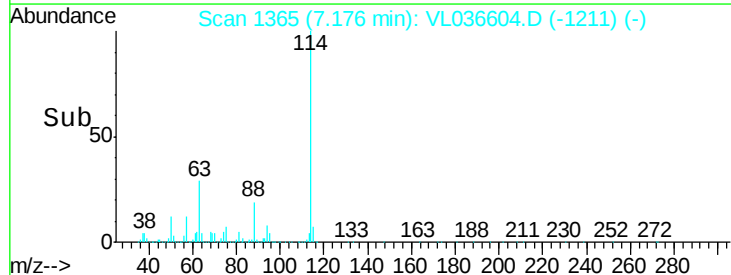
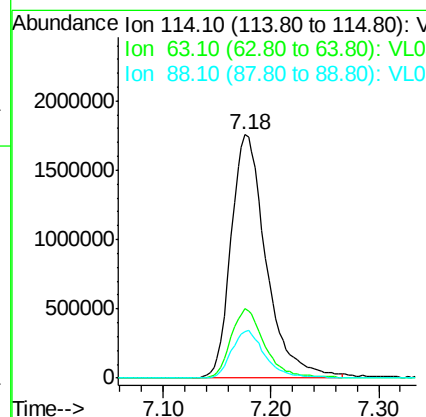
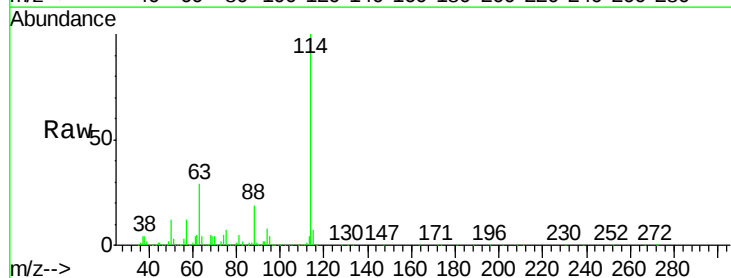
RT: 7.18 min Scan# 1365

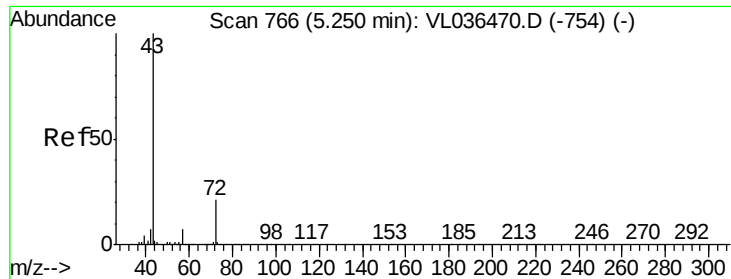
Delta R.T. -0.00 min

Lab File: VL036604.D

Acq: 31 Mar 2021 16:27

Tgt Ion:	114	Resp:	3990744
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.4	33.6
88	19.2	15.4	23.0





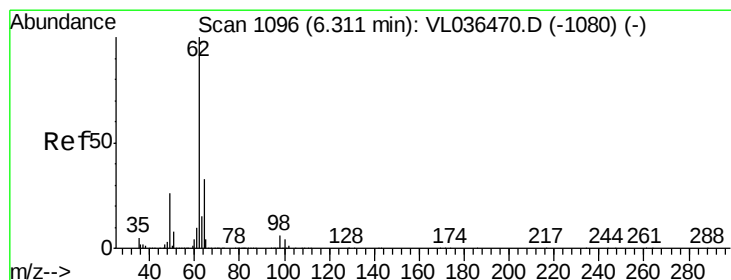
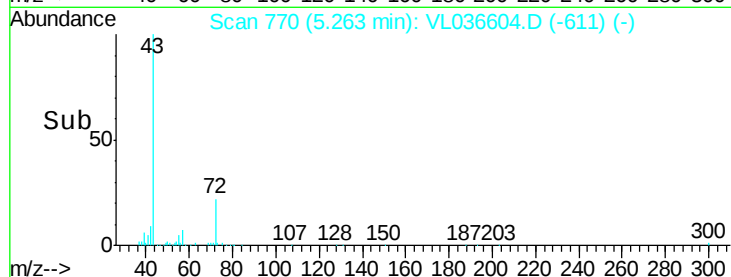
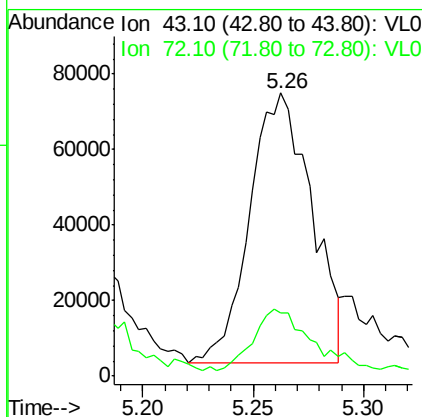
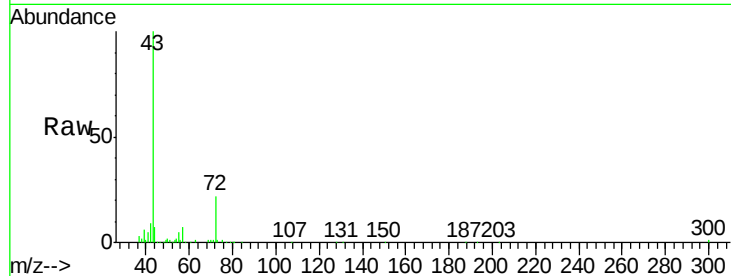
#34
2-Butanone
Concen: 0.715 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

Tot Ion: 43 Resp: 139245
Ion Ratio Lower Upper
43 100
72 31.9 17.0 25.6#

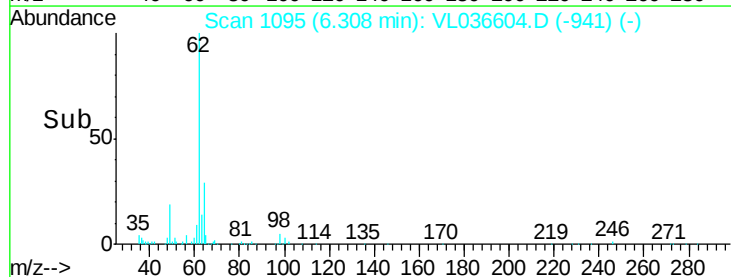
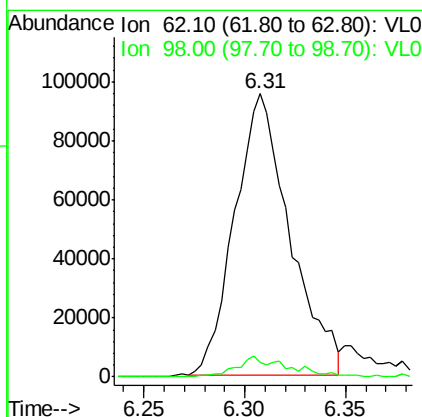
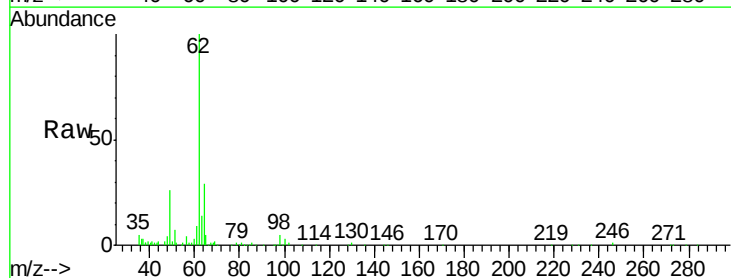
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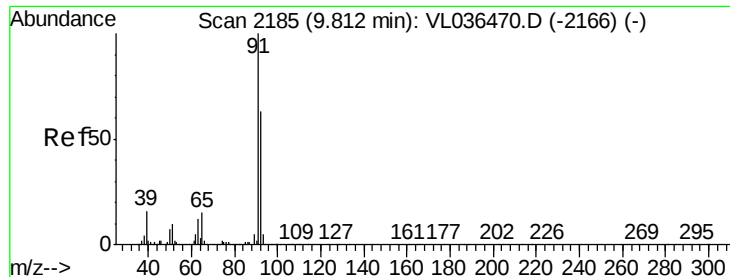
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#37
1,2-Dichloroethane
Concen: 0.844 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tgt Ion: 62 Resp: 182910
Ion Ratio Lower Upper
62 100
98 6.8 4.9 7.3





#53

Toluene

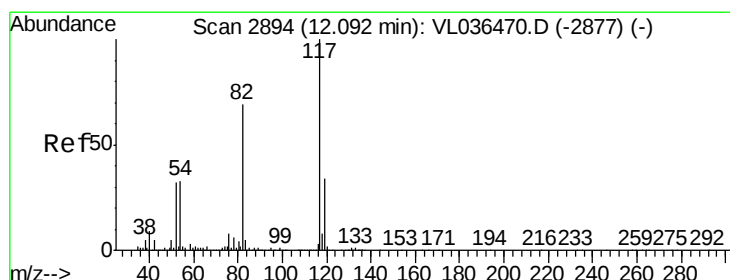
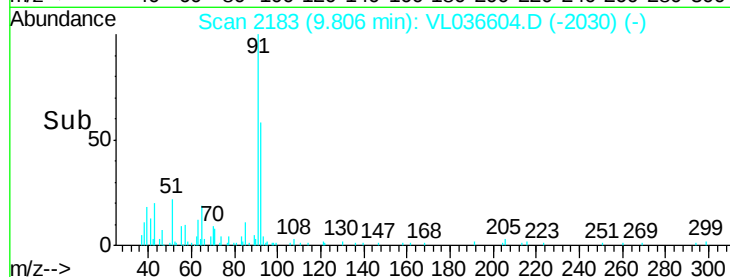
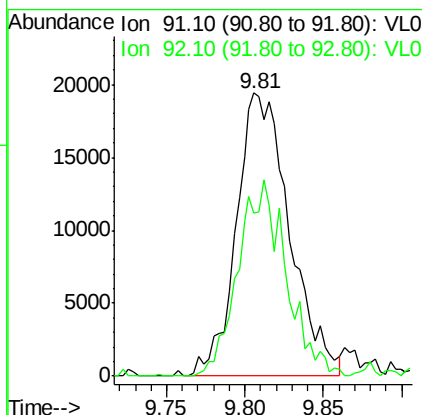
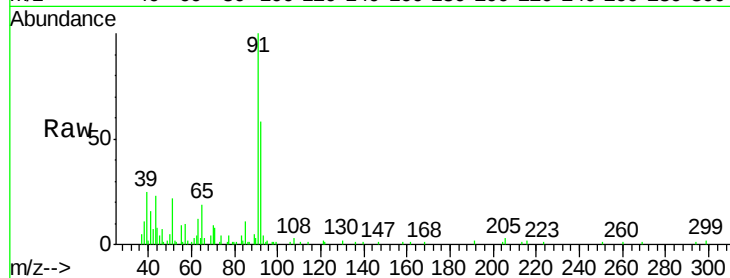
Concen: 0.117 ppbv m
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

Tot Ion: 91 Resp: 46034
Ion Ratio Lower Upper
91 100
92 0.0 48.8 73.2#

Manual Integrations
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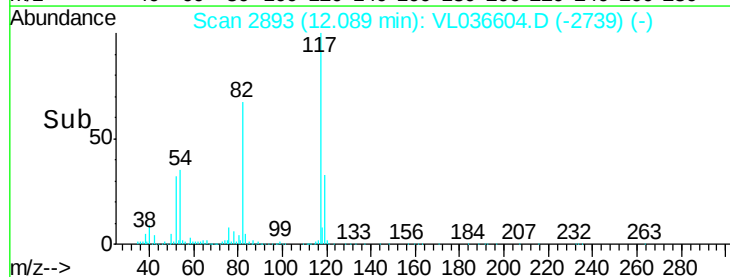
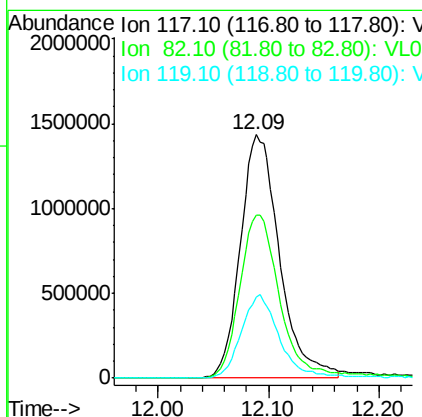
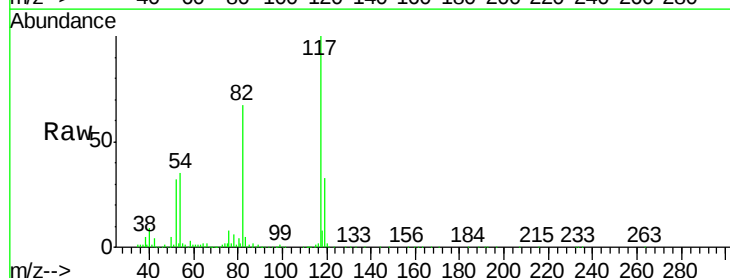


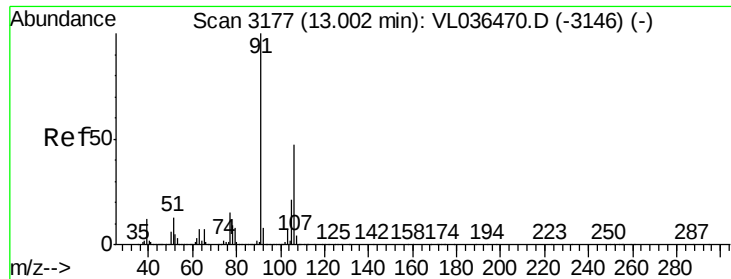
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tgt Ion: 117 Resp: 3529699
Ion Ratio Lower Upper
117 100
82 71.2 57.4 86.0
119 34.4 47.4 71.0#





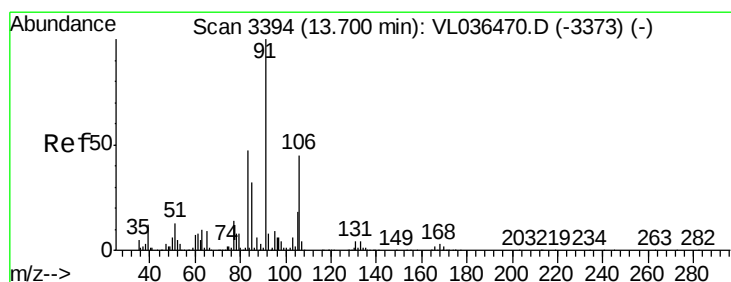
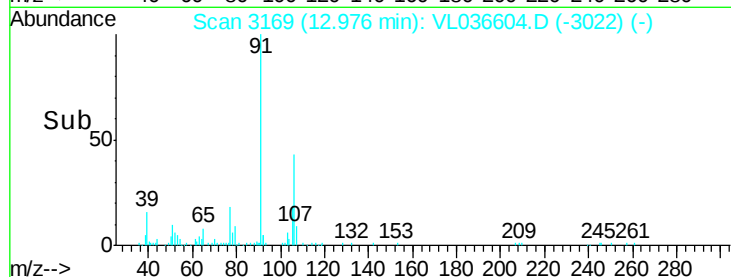
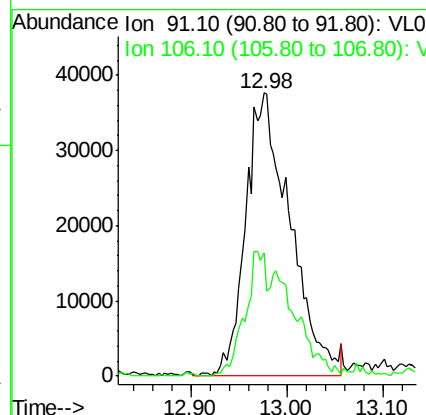
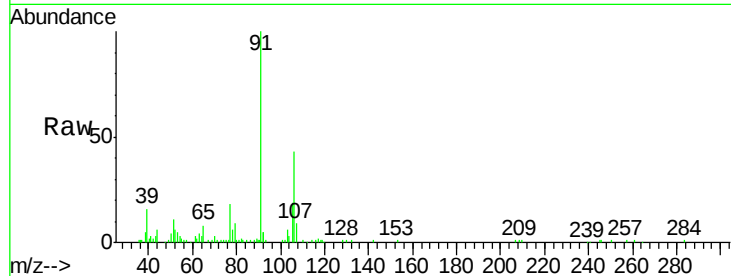
#59
m/p-Xylene
Concen: 0.269 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Instrument :
MSVOA_L
ClientSampleId :
SSB-SS-2DL

Tot Ion: 91 Resp: 120470
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

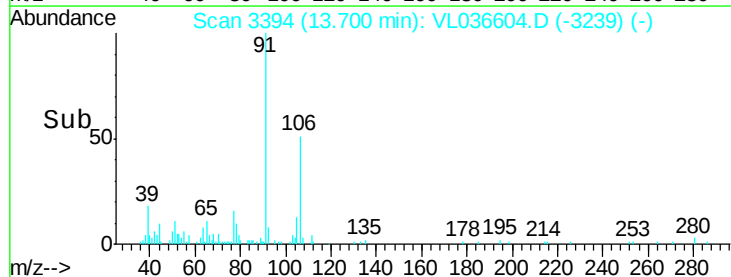
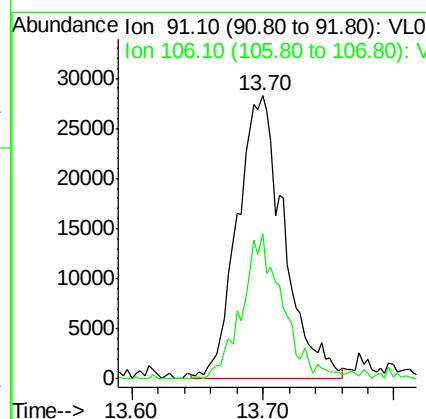
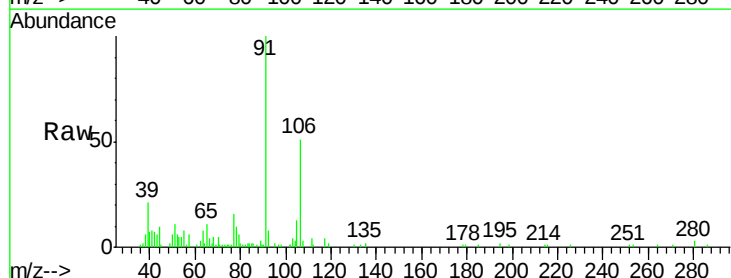
Manual Integrations
APPROVED

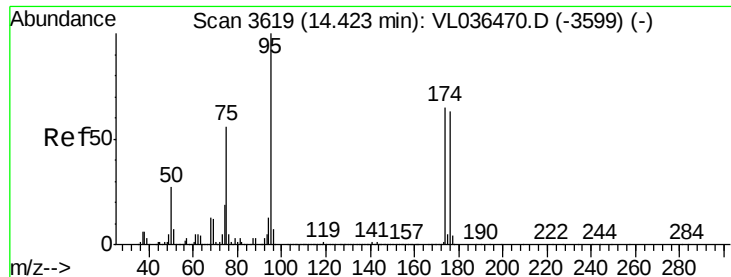
MMDadoda
4/2/2021 6:52:38 PM



#60
o-Xylene
Concen: 0.163 ppbv m
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036604.D
Acq: 31 Mar 2021 16:27

Tgt Ion: 91 Resp: 70535
Ion Ratio Lower Upper
91 100
106 45.6 22.3 66.9





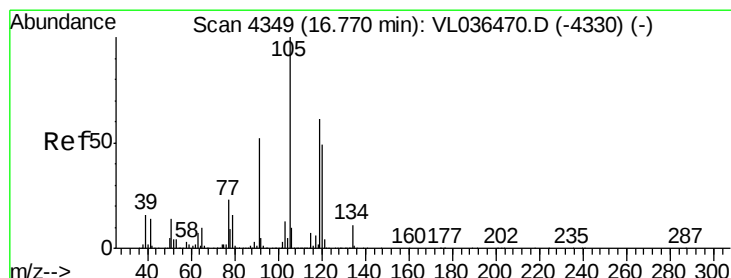
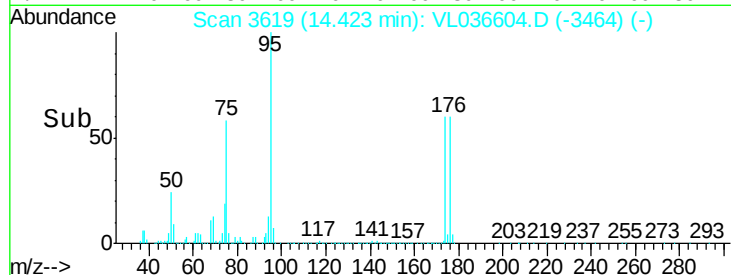
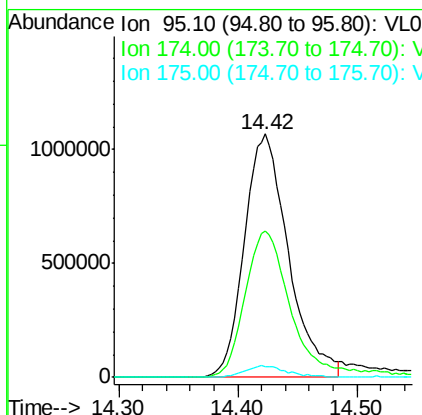
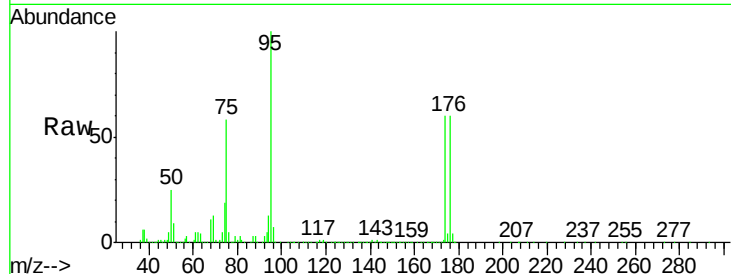
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.741 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL036604.D
 Acq: 31 Mar 2021 16:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SSB-SS-2DL

Tot Ion: 95 Resp: 2740477
 Ion Ratio Lower Upper
 95 100
 174 65.6 51.0 76.6
 175 4.9 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:52:38 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.176 ppbv m
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.01 min
 Lab File: VL036604.D
 Acq: 31 Mar 2021 16:27

Tgt Ion:105 Resp: 83591
 Ion Ratio Lower Upper
 105 100
 120 39.9 39.2 58.8
 91 13.1 42.6 64.0#
 77 9.6 18.6 28.0#

