

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036399.D
 Acq On : 26 Feb 2021 12:54
 Operator : SY/AP
 Sample : M1502-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:23 AM

Quant Time: Feb 27 03:32:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1585095	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3401219	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3023022	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2462018	9.90	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	357524	4.869	ppbv	98
11) Trichlorofluoromethane	3.92	101	40082	0.173	ppbv	92
13) Ethanol	3.60	45	38448m	2.788	ppbv	
15) Acetone	3.84	43	236436	1.220	ppbv	95
19) Isopropyl Alcohol	3.98	45	36997m	0.345	ppbv	
20) Methylene Chloride	4.32	84	372542	5.960	ppbv	97
26) Hexane	5.65	57	97731	0.636	ppbv #	40
27) Carbon Disulfide	4.52	76	18998m	0.134	ppbv	
38) Trichloroethene	7.81	130	5246m	0.051	ppbv	
44) 2,2,4-Trimethylpentane	7.84	57	366080	0.697	ppbv	95
52) Tetrachloroethene	11.18	164	16584m	0.157	ppbv	
53) Toluene	9.77	91	143045m	0.457	ppbv	
59) m/p-Xylene	12.94	91	89408m	0.246	ppbv	
60) o-Xylene	13.65	91	44763m	0.129	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	10307m	0.038	ppbv	

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

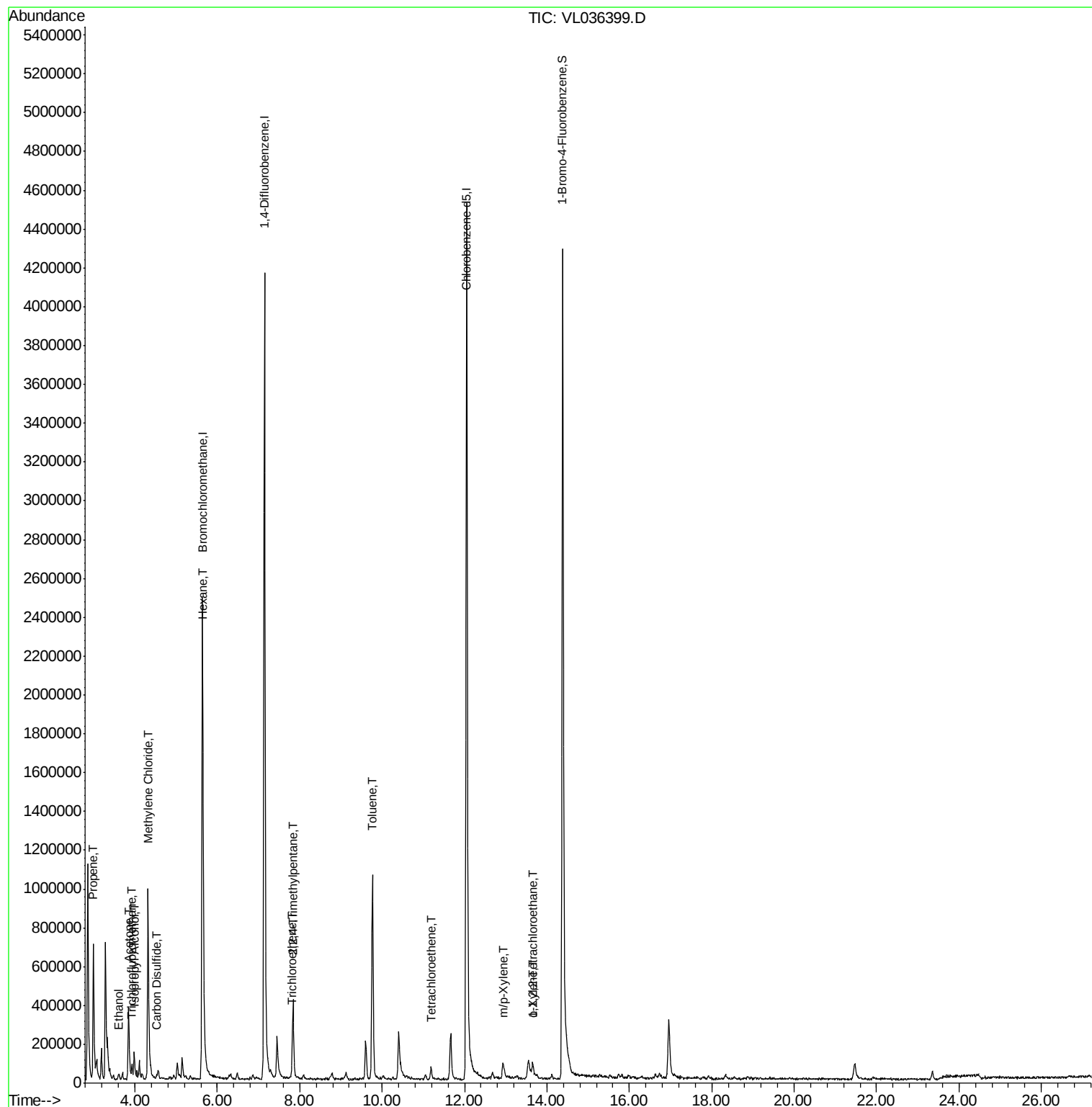
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
Data File : VL036399.D
Acq On : 26 Feb 2021 12:54
Operator : SY/AP
Sample : M1502-01 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

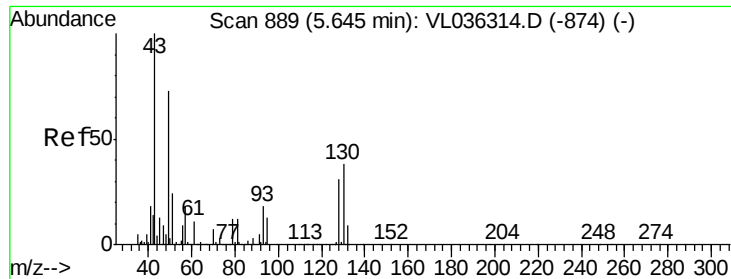
Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
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3/1/2021 10:08:23 AM

Quant Time: Feb 27 03:32:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

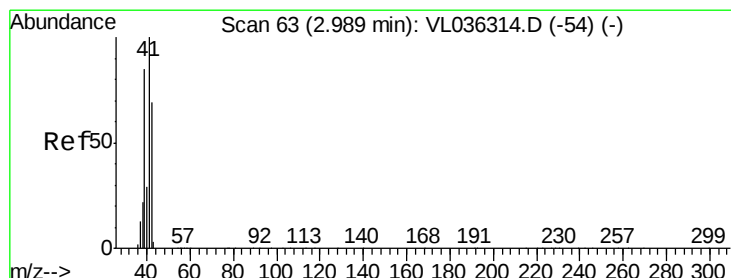
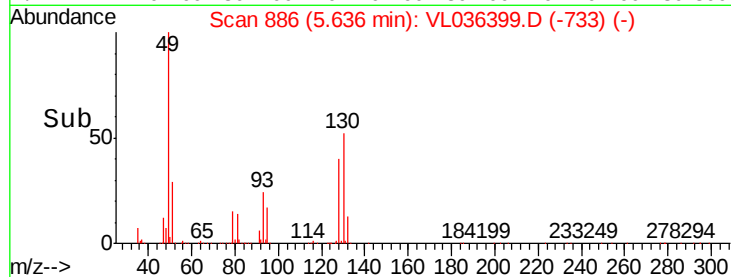
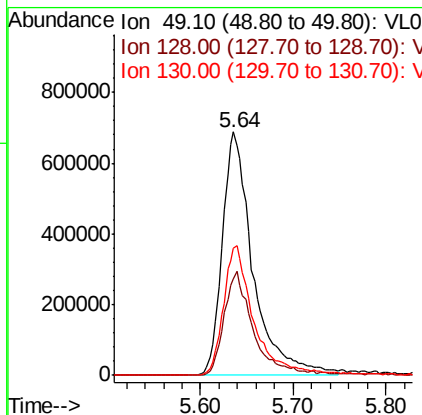
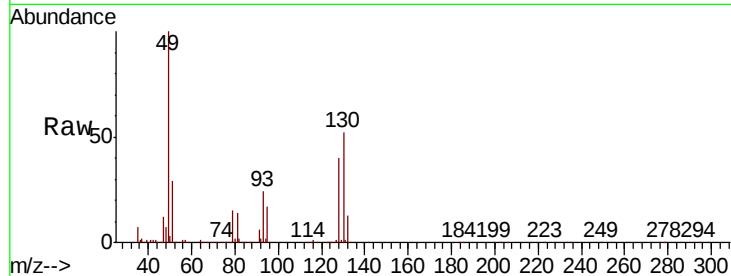
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: VL036399.D
 Acq: 26 Feb 2021 12:54

Instrument :
 MSVOA_L
 ClientSampled :
 SG-4

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.7	20.8	62.5
130	53.7	26.7	80.1

Manual Integrations
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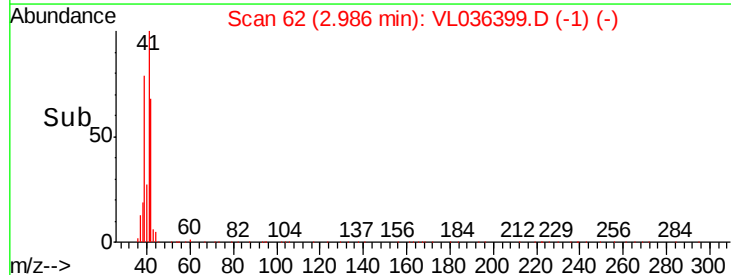
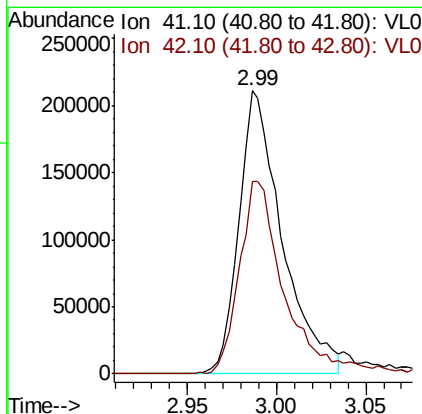
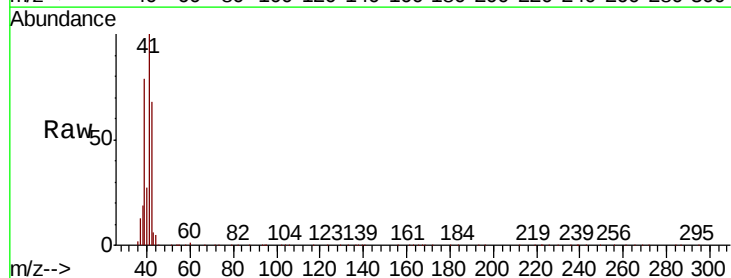
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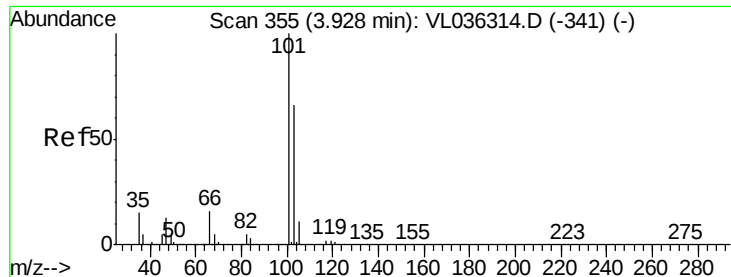


#9

Propene
 Concen: 4.869 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: VL036399.D
 Acq: 26 Feb 2021 12:54

Tgt Ion	Ratio	Lower	Upper
41	100		
42	71.8	56.2	84.2





#11

Trichlorofluoromethane

Concen: 0.173 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL036399.D

Acq: 26 Feb 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion:101 Resp: 40082

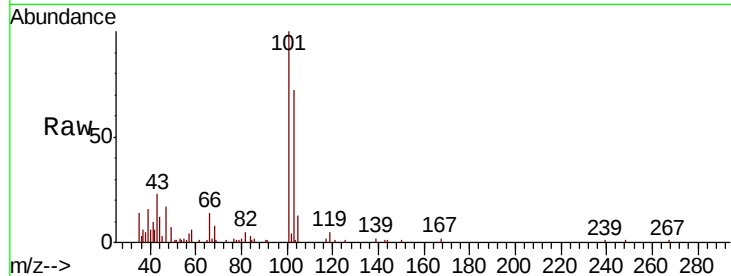
Ion Ratio Lower Upper

101 100

103 72.4 52.9 79.3

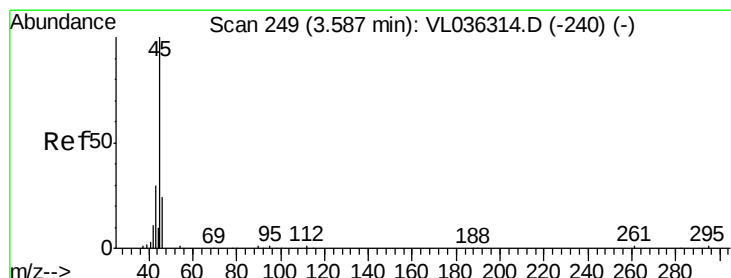
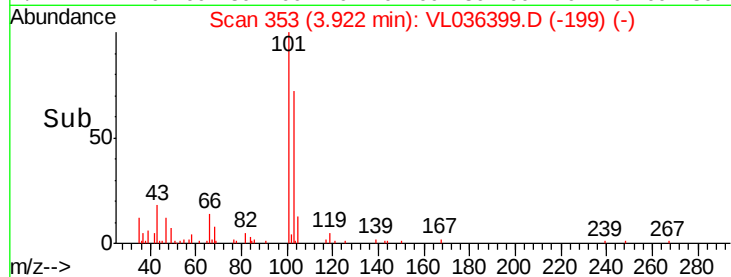
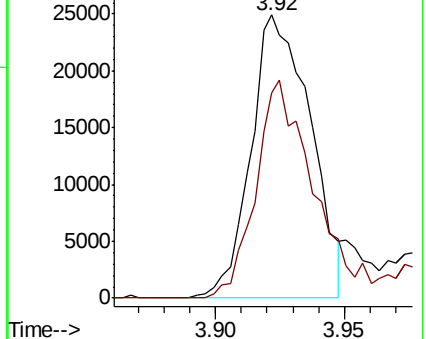
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 2.788 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL036399.D

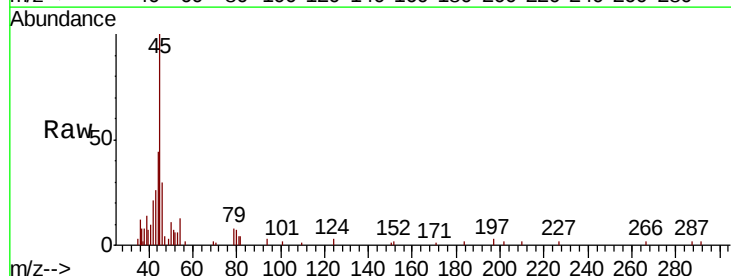
Acq: 26 Feb 2021 12:54

Tgt Ion: 45 Resp: 38448

Ion Ratio Lower Upper

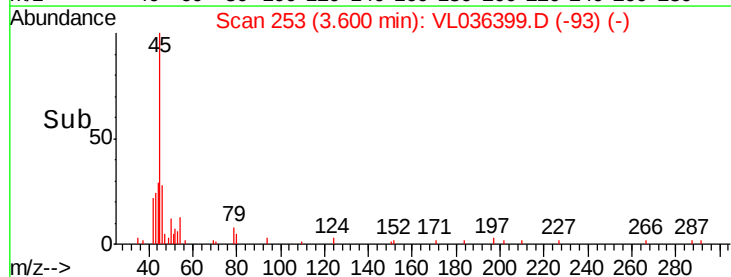
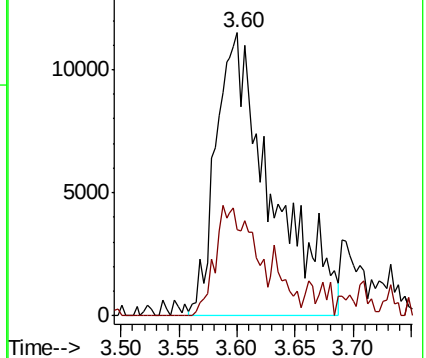
45 100

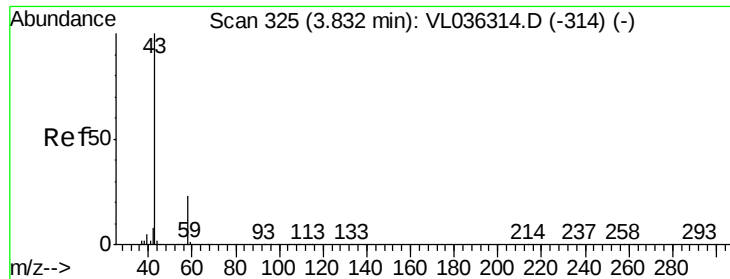
46 38.4 17.7 70.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





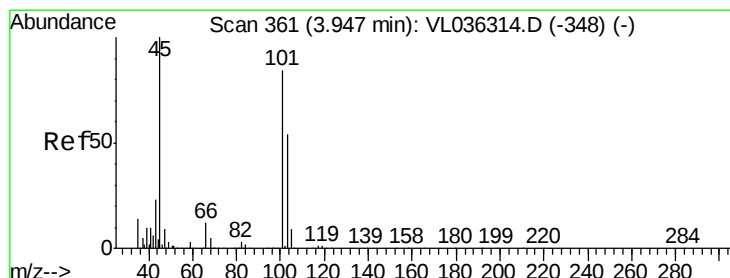
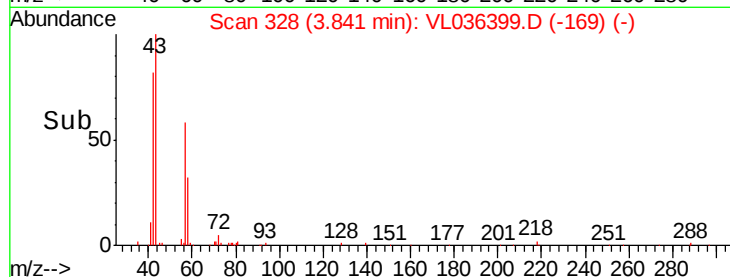
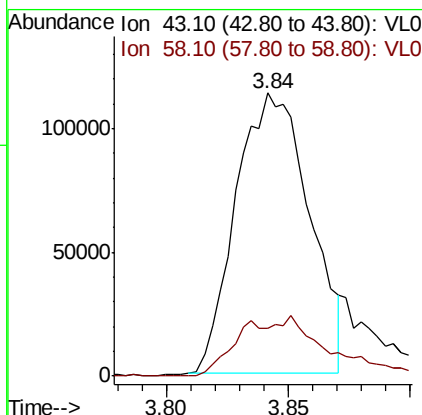
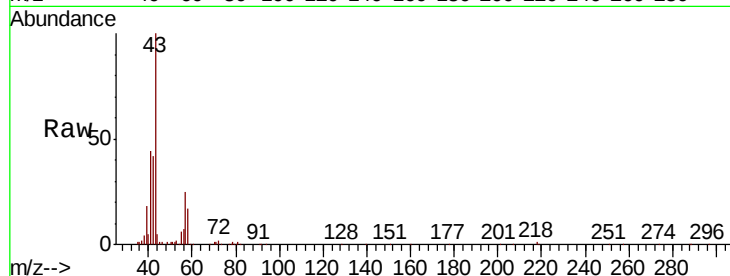
#15
Acetone
Concen: 1.220 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Instrument :
MSVOA_L
ClientSampled :
SG-4

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.3	30.5

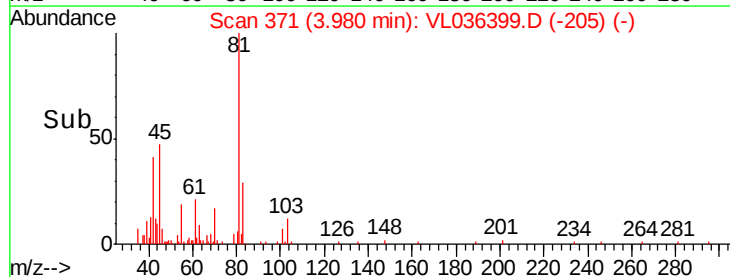
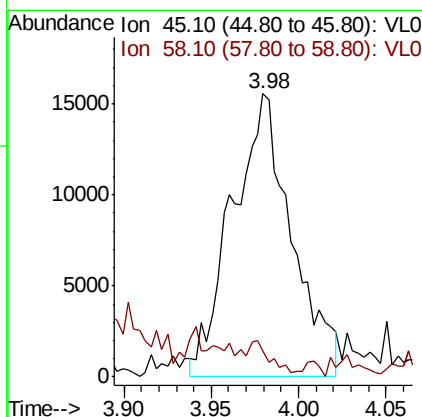
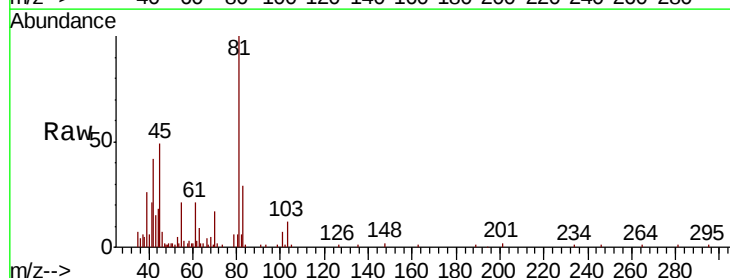
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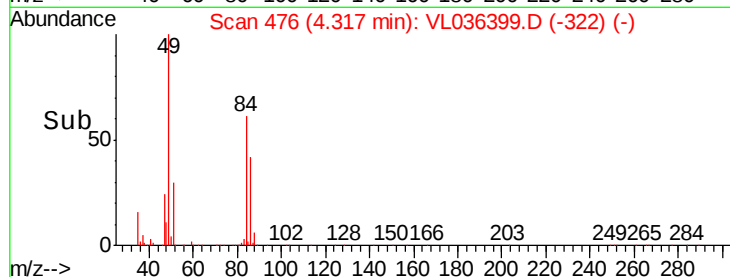
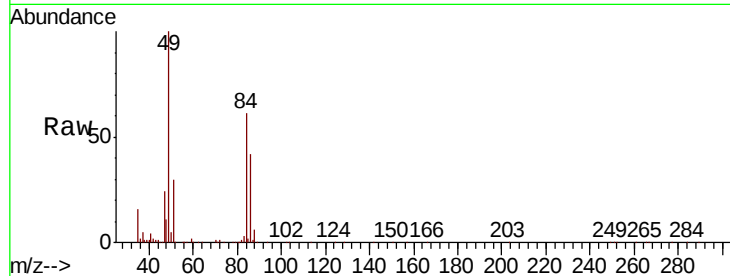
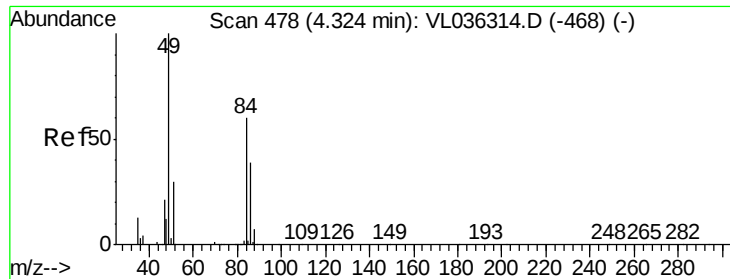
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#19
Isopropyl Alcohol
Concen: 0.345 ppbv m
RT: 3.98 min Scan# 371
Delta R.T. 0.03 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.9	2.9#





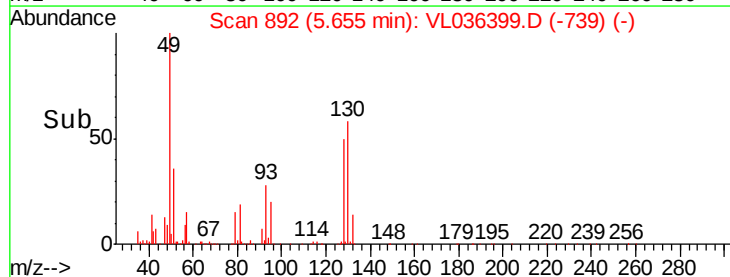
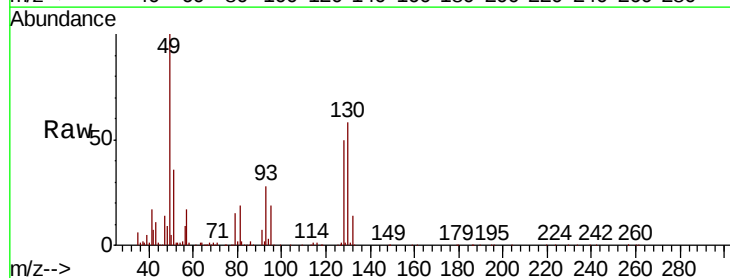
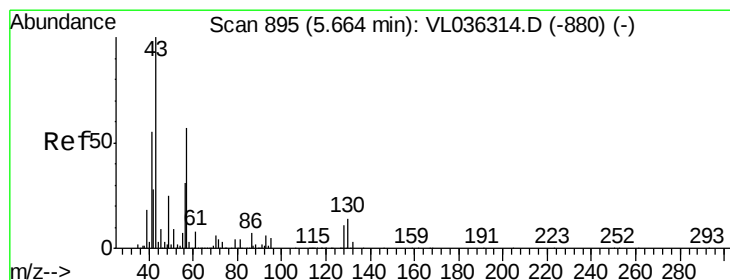
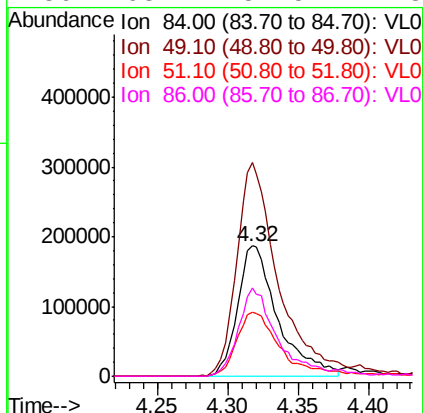
#20
Methvlene Chloride
Concen: 5.960 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Tot Ion	Ratio	Lower	Upper
84	100		
49	163.5	133.8	200.8
51	49.0	41.4	62.0
86	68.2	51.5	77.3

Instrument :
MSVOA_L
ClientSampled :
SG-4

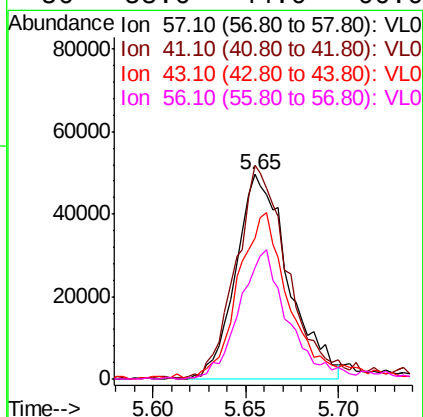
Manual Integrations
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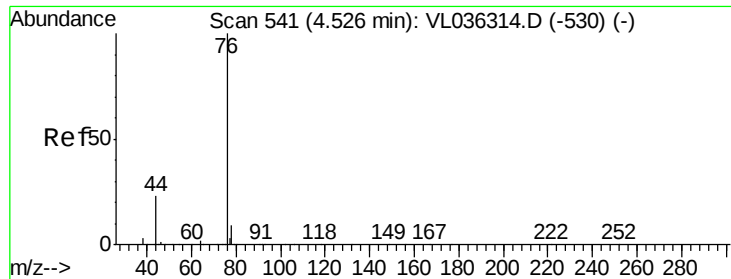
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#26
Hexane
Concen: 0.636 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	106.3	81.7	122.5
43	83.8	199.1	298.7#
56	58.6	44.0	66.0





#27

Carbon Disulfide

Concen: 0.134 ppbv m

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL036399.D

Acq: 26 Feb 2021 12:54

Instrument :

MSVOA_L

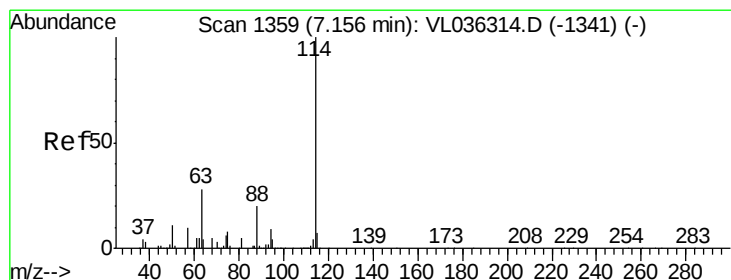
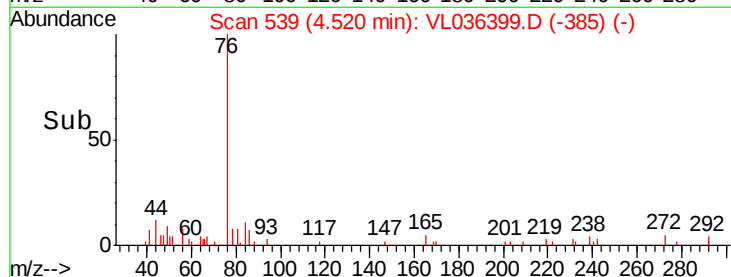
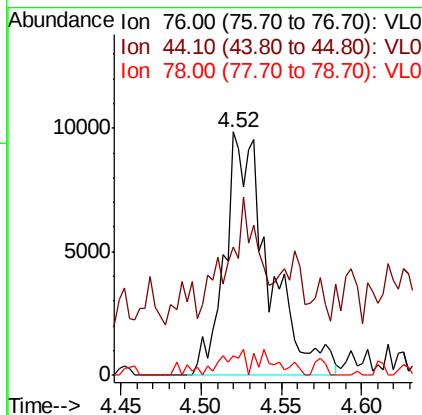
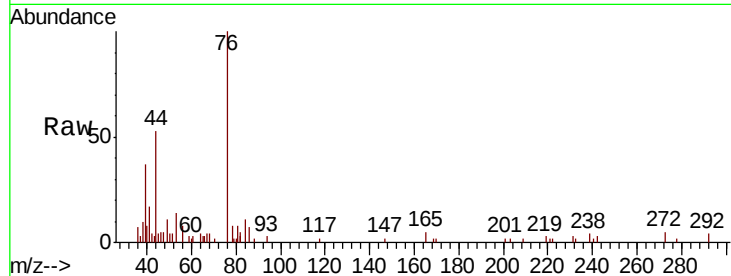
ClientSampled :

SG-4

Tot Ion:	76	Resp:	18998
Ion Ratio	Lower	Upper	
76	100		
44	44.5	18.4	27.6#
78	6.5	8.0	12.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

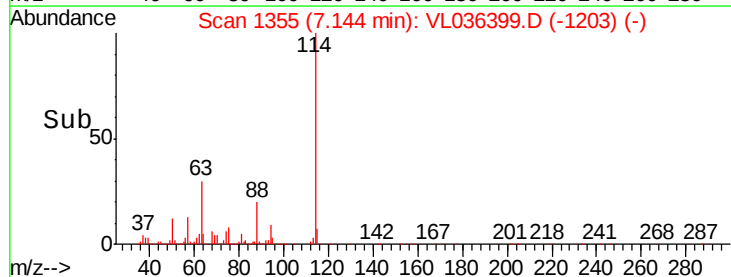
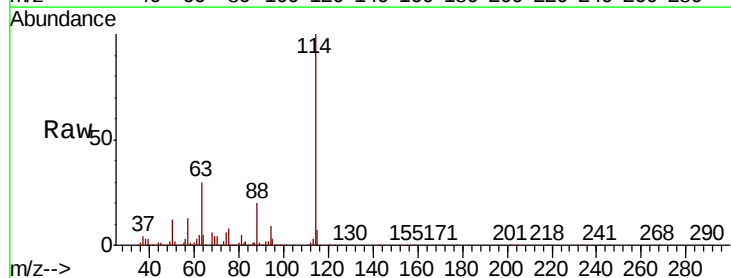
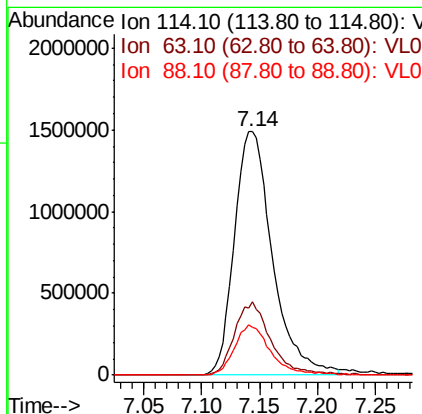
RT: 7.14 min Scan# 1355

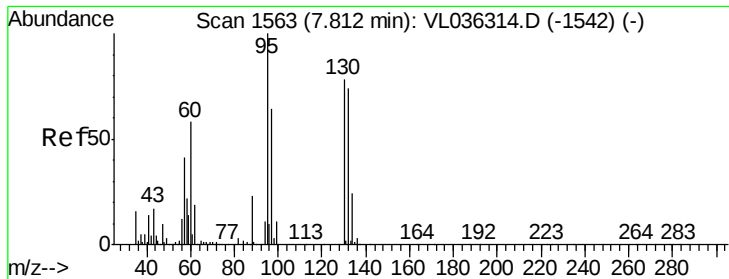
Delta R.T. -0.01 min

Lab File: VL036399.D

Acq: 26 Feb 2021 12:54

Tgt Ion:	114	Resp:	3401219
Ion Ratio	Lower	Upper	
114	100		
63	29.1	24.1	36.1
88	19.8	16.0	24.0





#38

Trichloroethene

Concen: 0.051 ppbv m

RT: 7.81 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL036399.D

Acq: 26 Feb 2021 12:54

Instrument :

MSVOA_L

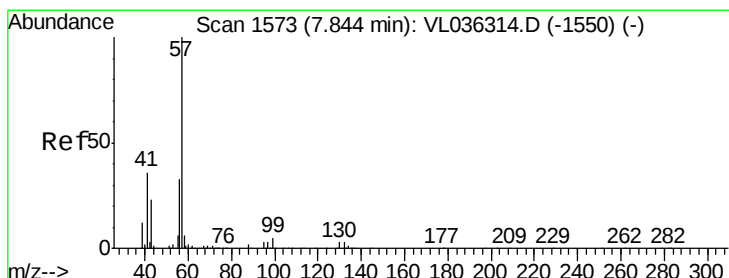
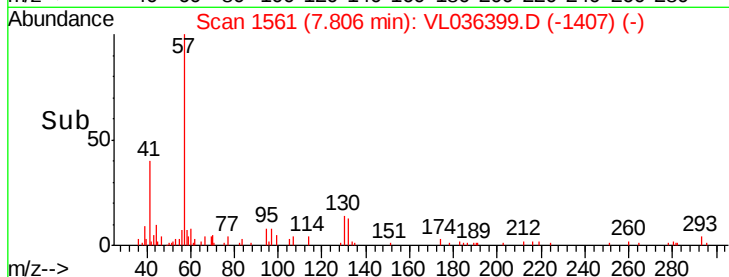
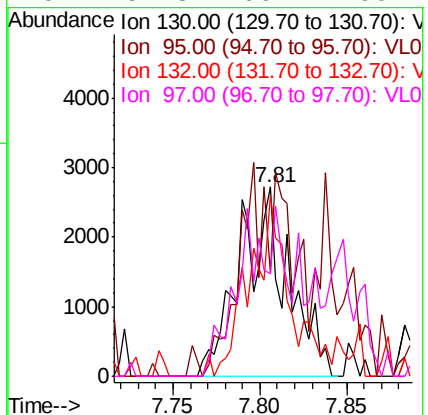
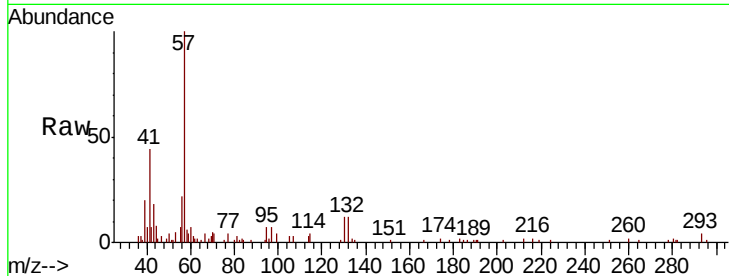
ClientSampleId :

SG-4

Tot Ion:	130	Resp:	5246
Ion Ratio	Lower	Upper	
130	100		
95	55.1	102.8	154.2#
132	95.5	75.7	113.5
97	54.3	66.2	99.2#

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.697 ppbv

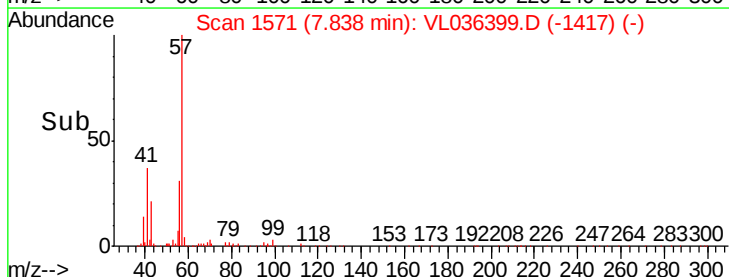
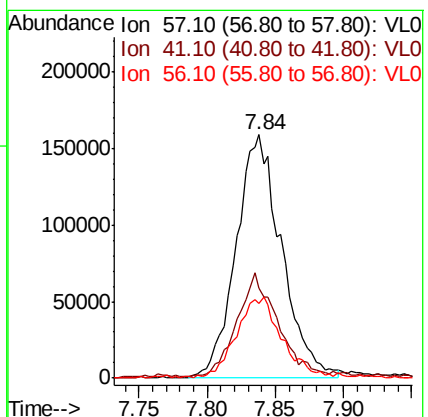
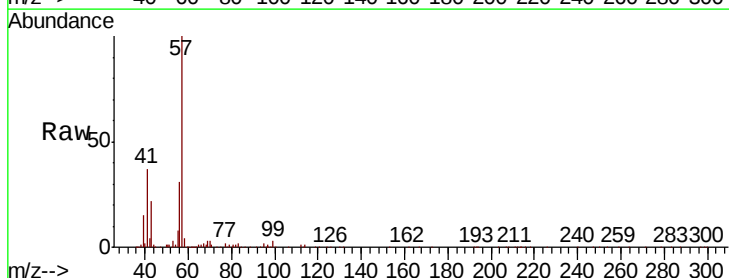
RT: 7.84 min Scan# 1571

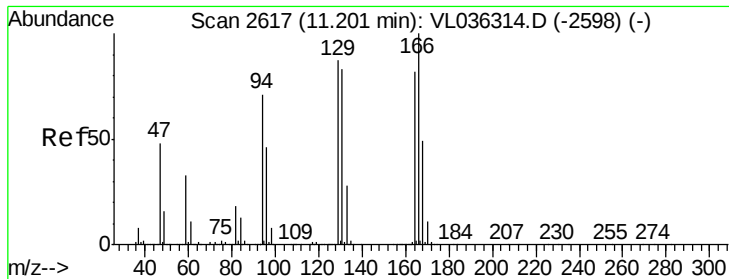
Delta R.T. -0.01 min

Lab File: VL036399.D

Acq: 26 Feb 2021 12:54

Tgt Ion:	57	Resp:	366080
Ion Ratio	Lower	Upper	
57	100		
41	39.8	28.8	43.2
56	34.4	25.8	38.6





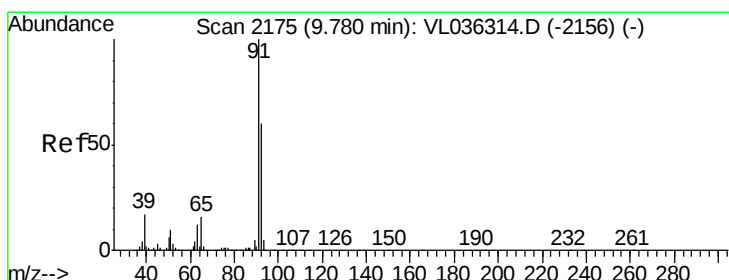
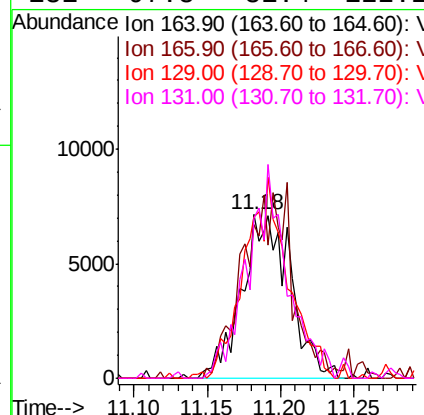
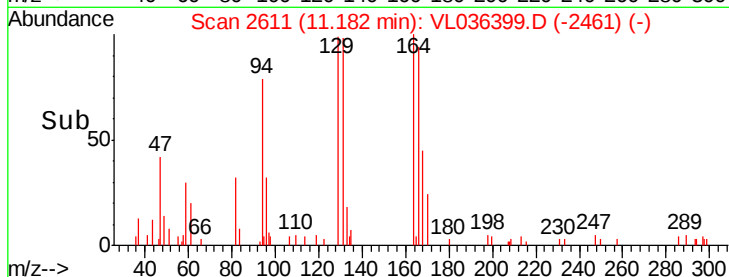
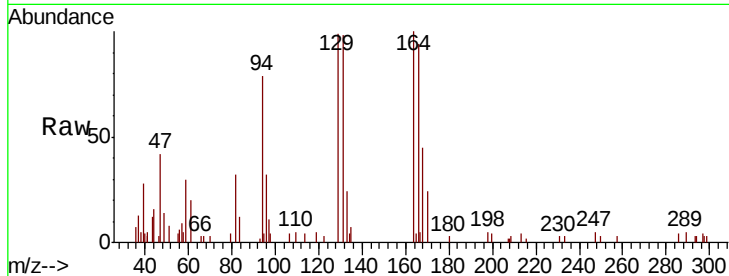
#52
Tetrachloroethene
Concen: 0.157 ppbv m
RT: 11.18 min Scan# 2611
Delta R.T. -0.02 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Instrument :
MSVOA_L
ClientSampled :
SG-4

Tot Ion	Ratio	Lower	Upper
164	100		
166	93.9	97.8	146.8#
129	98.9	84.9	127.3
131	97.8	81.4	122.2

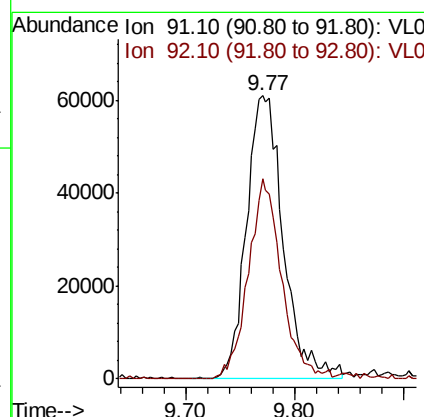
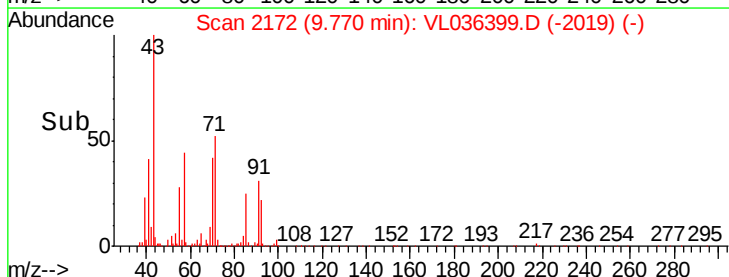
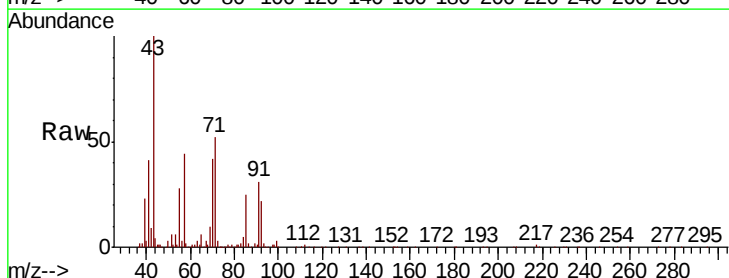
Manual Integrations
APPROVED

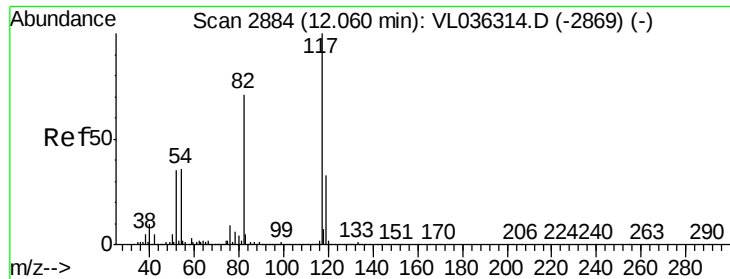
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#53
Toluene
Concen: 0.457 ppbv m
RT: 9.77 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.7	48.6	72.8





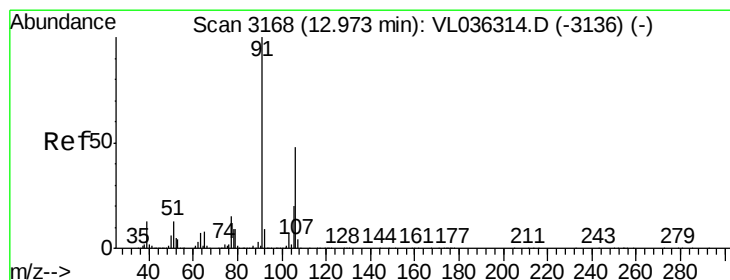
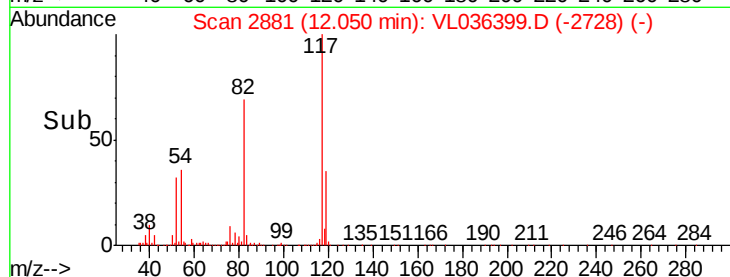
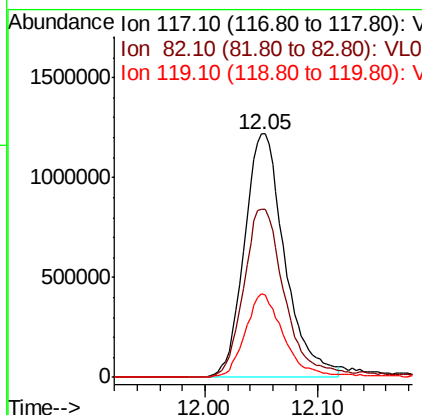
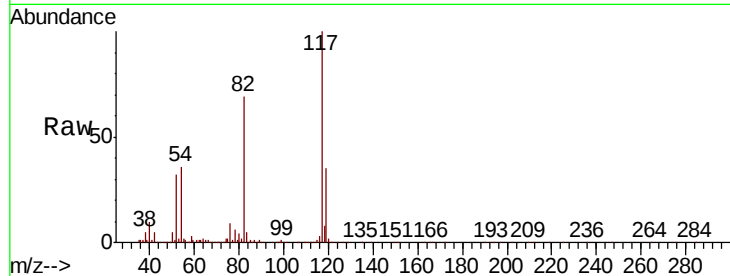
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tot Ion:117 Resp: 3023022
Ion Ratio Lower Upper
117 100
82 74.1 59.1 88.7
119 33.9 46.3 69.5#

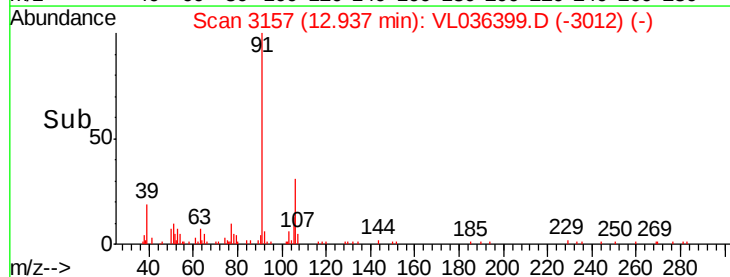
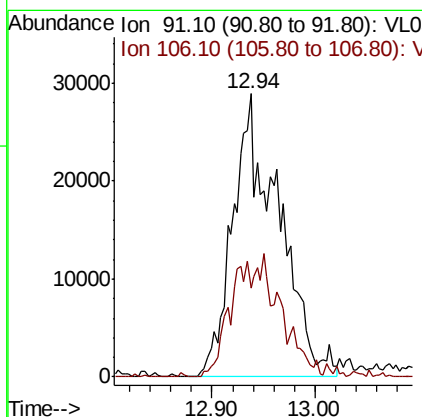
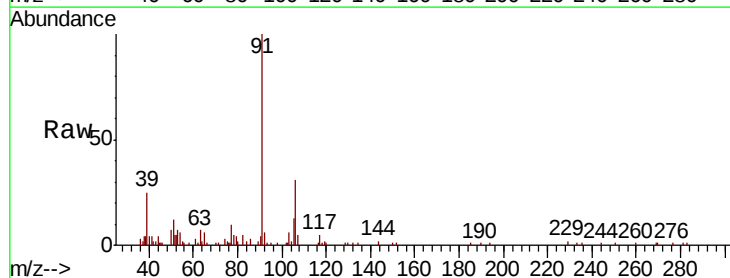
Manual Integrations
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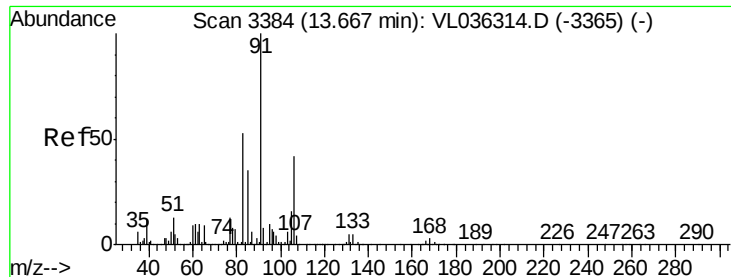
MMDadoda
3/1/2021 10:08:23 AM



#59
m/p-Xylene
Concen: 0.246 ppbv m
RT: 12.94 min Scan# 3157
Delta R.T. -0.04 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Tgt Ion: 91 Resp: 89408
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#





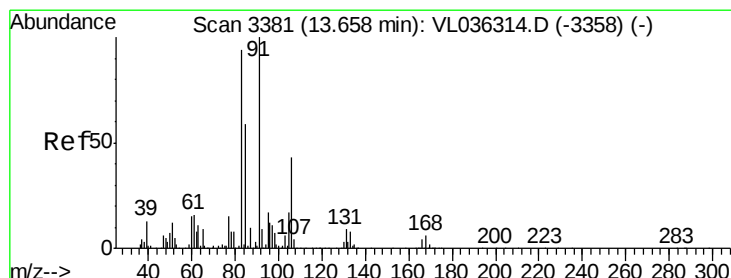
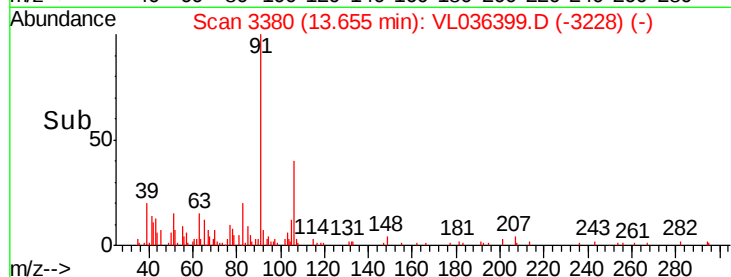
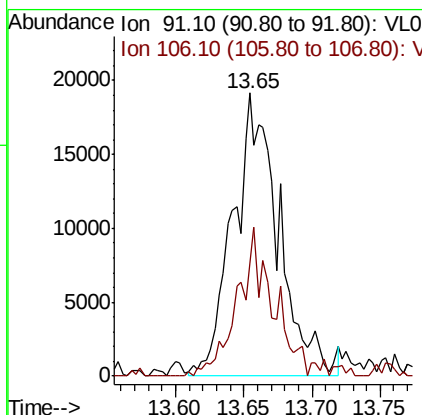
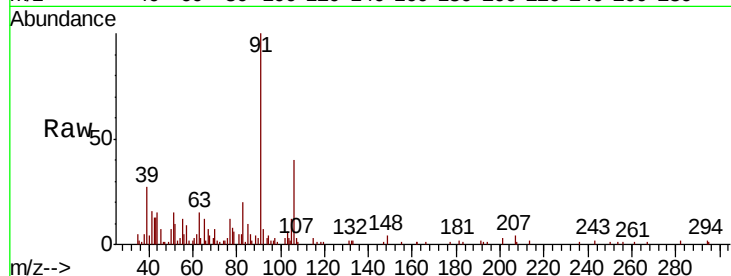
#60
o-Xylene
Concen: 0.129 ppbv m
RT: 13.65 min Scan# 3380
Delta R.T. -0.01 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Instrument :
MSVOA_L
ClientSampled :
SG-4

Tot Ion: 91 Resp: 44763
Ion Ratio Lower Upper
91 100
106 0.0 22.0 66.0#

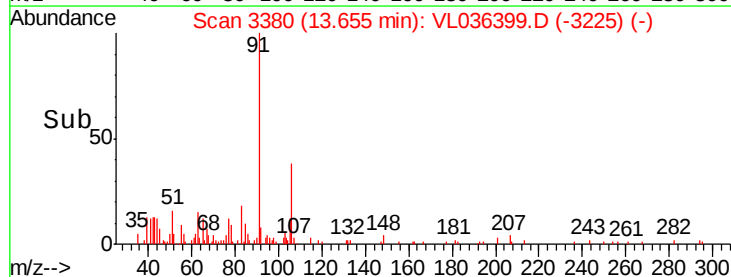
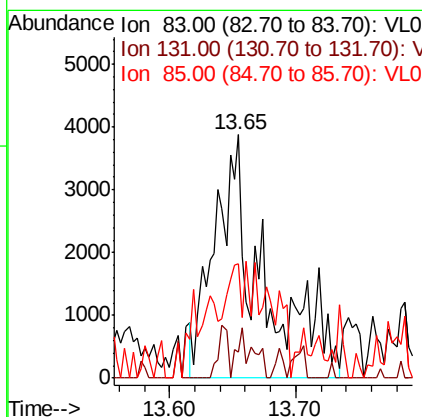
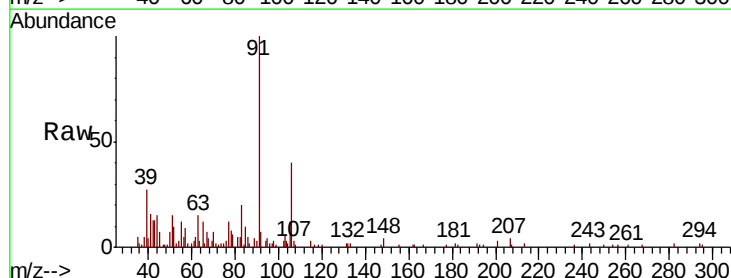
Manual Integrations
APPROVED

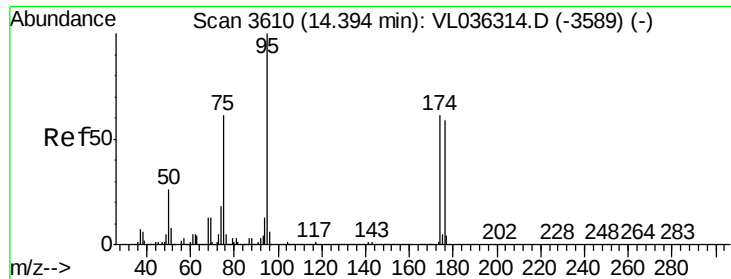
MMDadoda
3/1/2021 10:08:23 AM



#63
1,1,2,2-Tetrachloroethane
Concen: 0.038 ppbv m
RT: 13.65 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VL036399.D
Acq: 26 Feb 2021 12:54

Tgt Ion: 83 Resp: 10307
Ion Ratio Lower Upper
83 100
131 10.8 4.7 14.0
85 0.0 33.0 98.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.899 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.01 min
 Lab File: VL036399.D
 Acq: 26 Feb 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Tot Ion: 95 Resp: 2462018
 Ion Ratio Lower Upper
 95 100
 174 63.8 49.8 74.6
 175 4.6 3.7 5.5

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:23 AM

