

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036405.D
 Acq On : 26 Feb 2021 16:53
 Operator : SY/AP
 Sample : M1502-03DUP 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DUP

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:32 AM

Quant Time: Feb 28 18:06:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 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	1538245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3315853	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3017395	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	2356768	9.49	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	31422	0.137	ppbv	94
9) Propene	3.00	41	60516	0.849	ppbv	85
10) Heptane	8.09	43	20509m	0.098	ppbv	
11) Trichlorofluoromethane	3.92	101	71770m	0.319	ppbv	
13) Ethanol	3.59	45	309086m	23.093	ppbv	
15) Acetone	3.83	43	807459	4.294	ppbv	98
19) Isopropyl Alcohol	3.96	45	74994m	0.720	ppbv	
20) Methylene Chloride	4.32	84	9725392	160.317	ppbv #	78
26) Hexane	5.66	57	1437039	9.635	ppbv #	37
35) Carbon Tetrachloride	6.98	117	8114m	0.037	ppbv	
36) Benzene	6.86	78	39598m	0.141	ppbv	
38) Trichloroethene	7.80	130	3159m	0.031	ppbv	
52) Tetrachloroethene	11.19	164	11396m	0.111	ppbv	
53) Toluene	9.77	91	291200m	0.954	ppbv	
58) Ethyl Benzene	12.68	91	89637m	0.217	ppbv	
59) m/p-Xylene	12.93	91	307845m	0.848	ppbv	
60) o-Xylene	13.66	91	121092m	0.349	ppbv	
61) Styrene	13.49	104	46432m	0.216	ppbv	

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

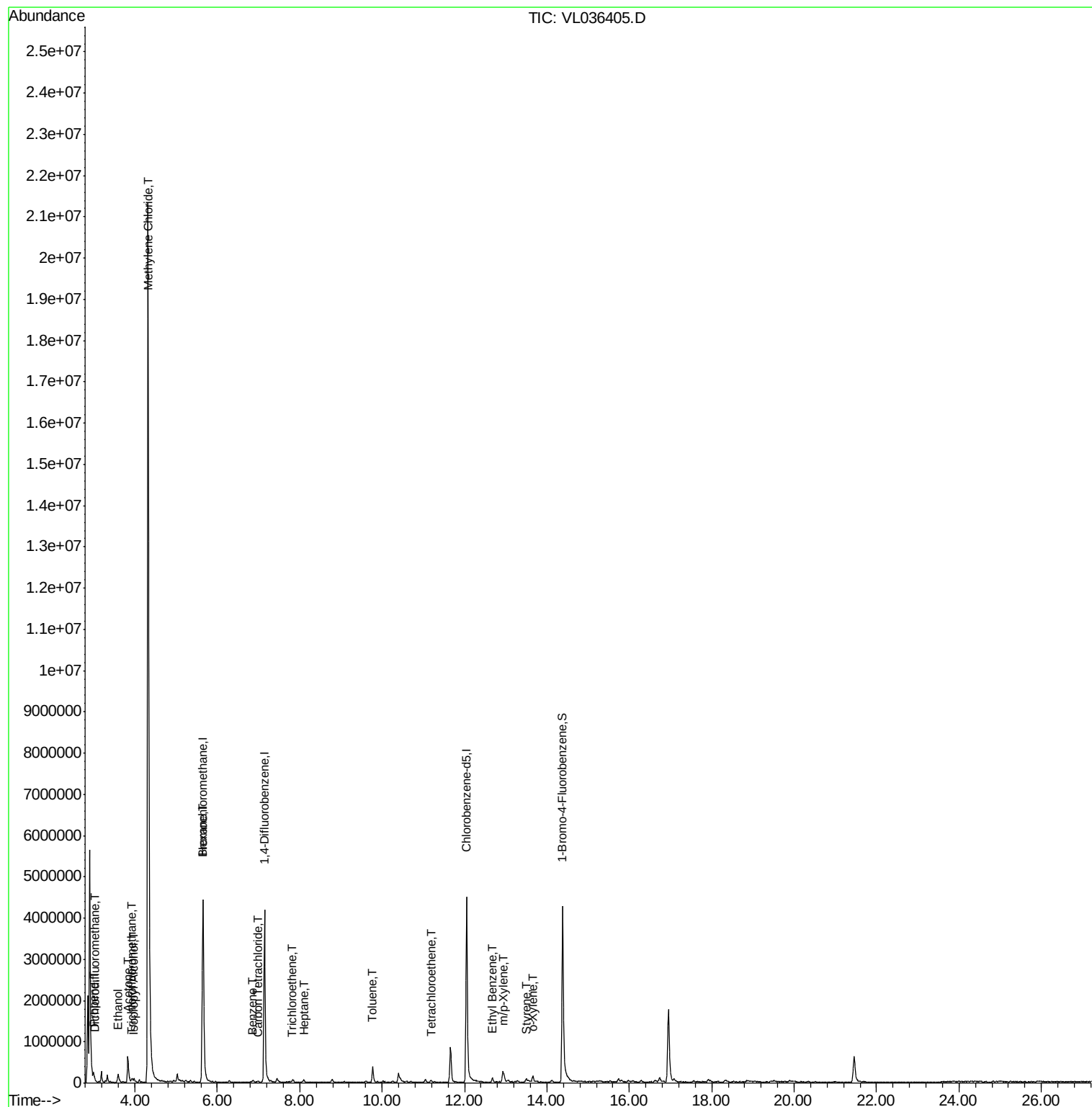
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
Data File : VL036405.D
Acq On : 26 Feb 2021 16:53
Operator : SY/AP
Sample : M1502-03DUP 2X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

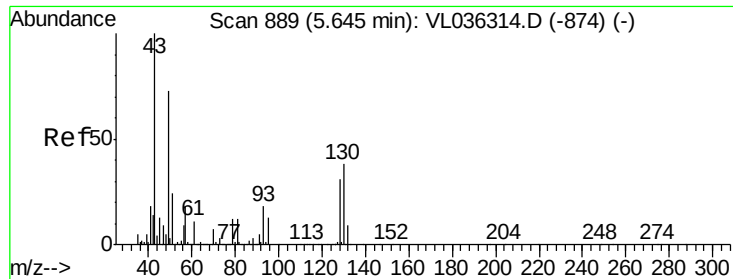
Instrument :
MSVOA_L
ClientSampleId :
SG-6DUP

Manual Integrations
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3/1/2021 10:08:32 AM

Quant Time: Feb 28 18:06:41 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

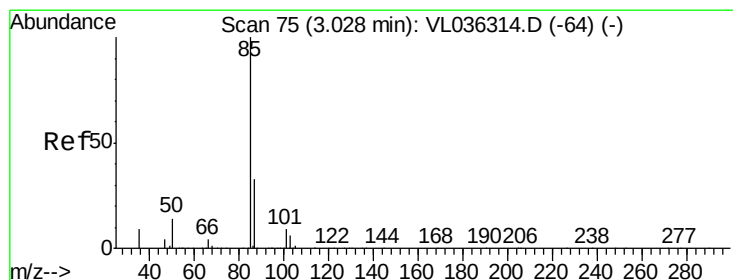
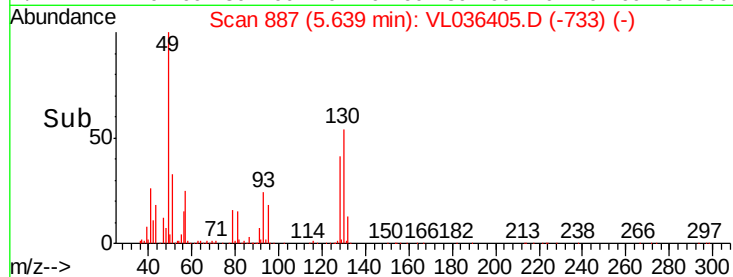
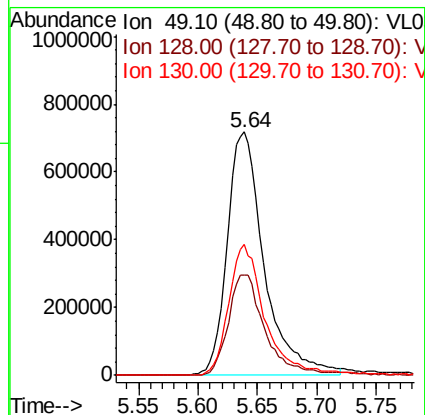
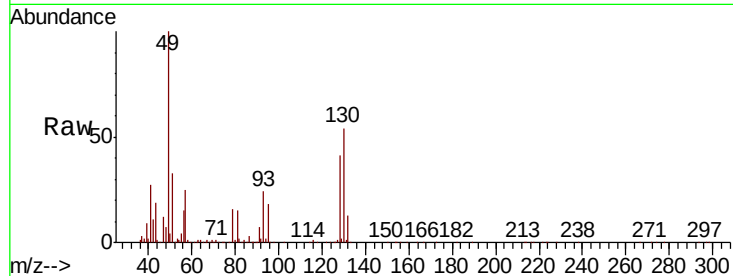
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: VL036405.D
 Acq: 26 Feb 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DUP

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.9	20.8	62.5
130	54.1	26.7	80.1

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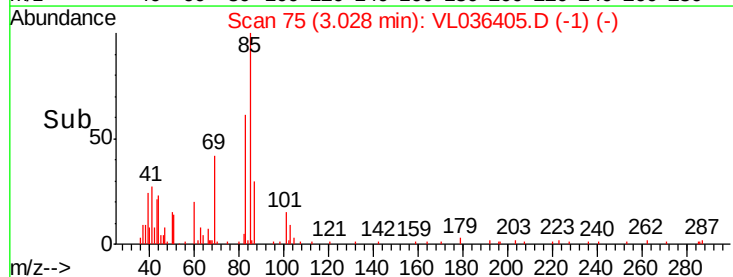
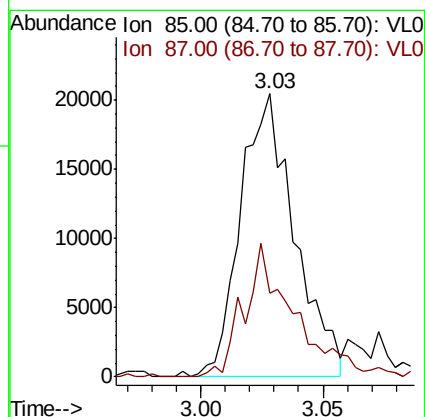
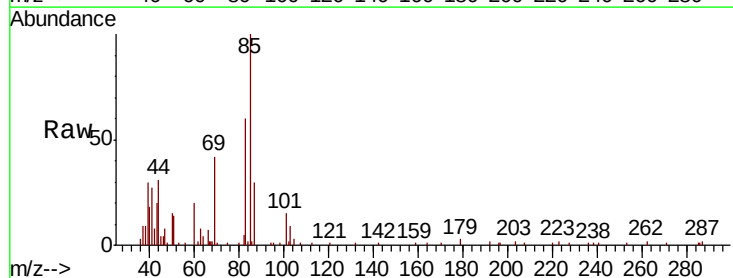
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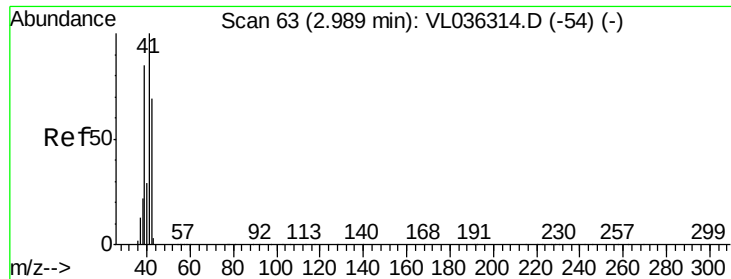


#2

Dichlorodifluoromethane
 Concen: 0.137 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VL036405.D
 Acq: 26 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.5	39.7





#9

Propene

Concen: 0.849 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

SG-6DUP

Tot Ion: 41 Resp: 60516

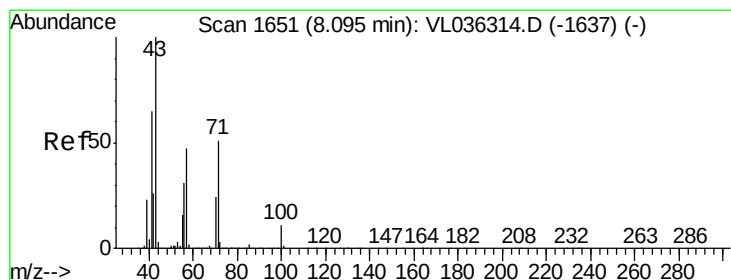
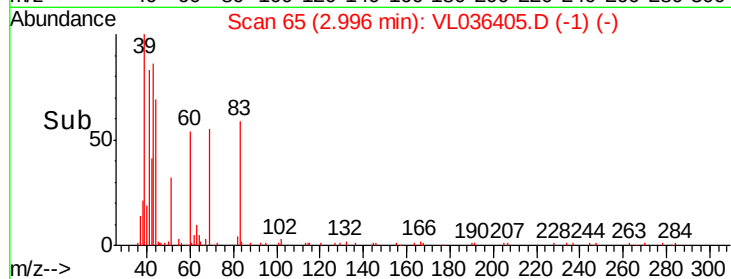
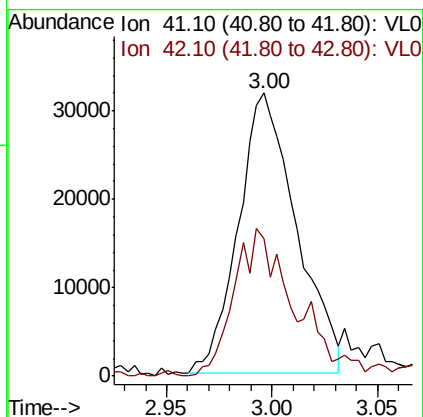
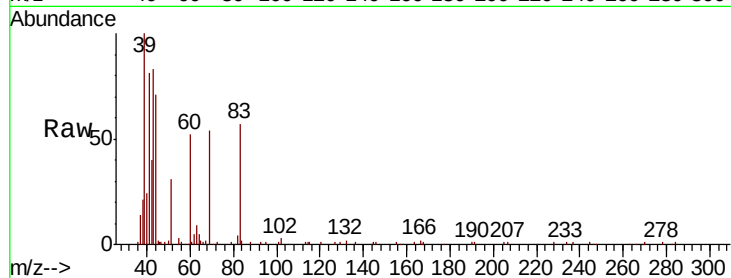
Ion Ratio Lower Upper

41 100

42 57.5 56.2 84.2

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#10

Heptane

Concen: 0.098 ppbv m

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL036405.D

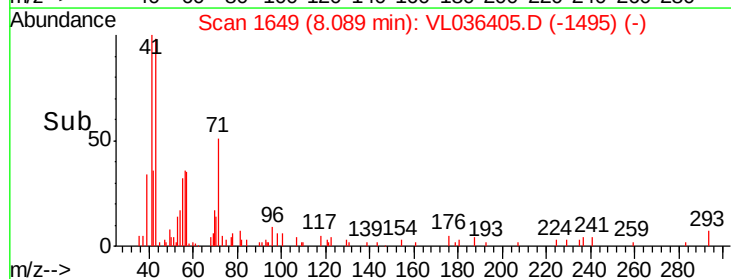
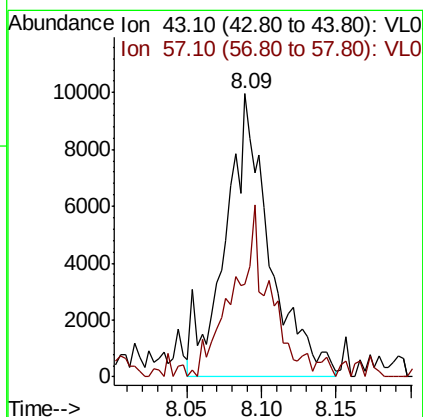
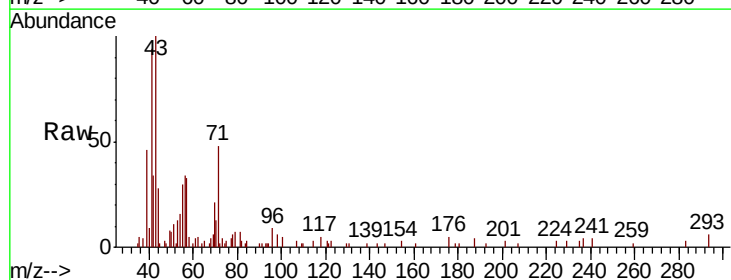
Acq: 26 Feb 2021 16:53

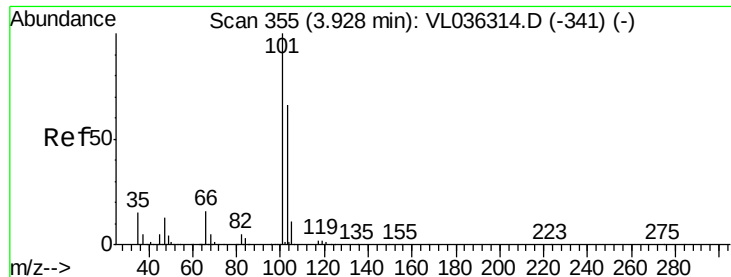
Tgt Ion: 43 Resp: 20509

Ion Ratio Lower Upper

43 100

57 0.0 39.4 59.2#





#11

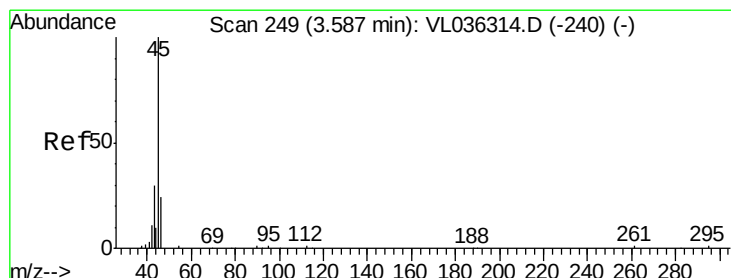
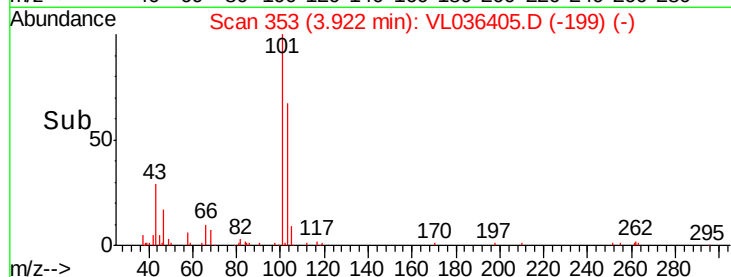
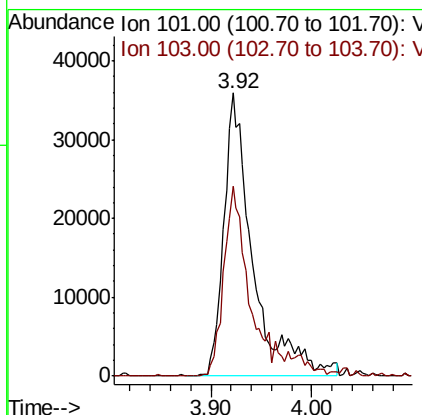
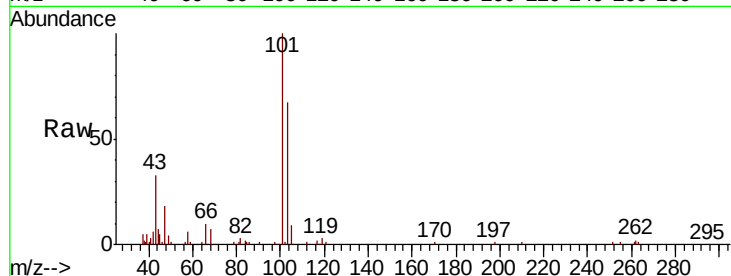
Trichlorofluoromethane
 Concen: 0.319 ppbv m
 RT: 3.92 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VL036405.D
 Acq: 26 Feb 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DUP

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	67.3	52.9	79.3	

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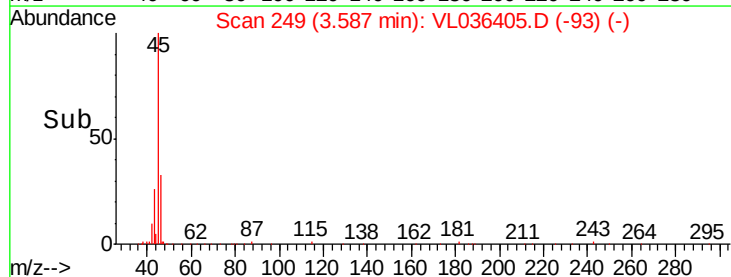
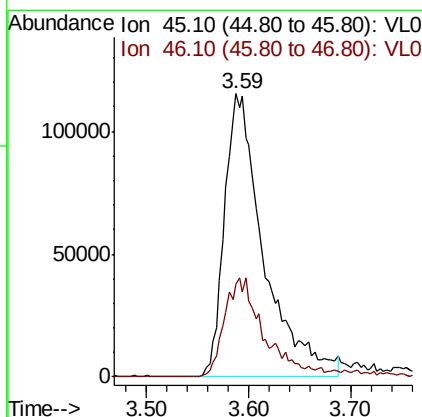
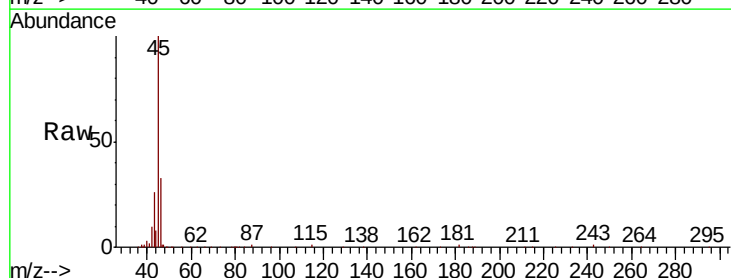
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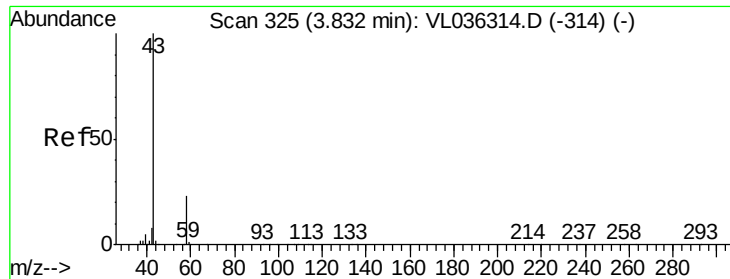


#13

Ethanol
 Concen: 23.093 ppbv m
 RT: 3.59 min Scan# 249
 Delta R.T. 0.00 min
 Lab File: VL036405.D
 Acq: 26 Feb 2021 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
46	36.6	17.7	70.7	





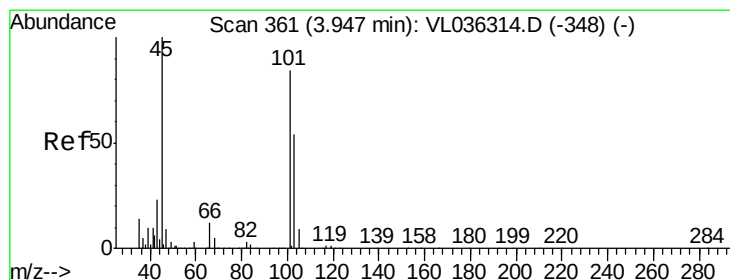
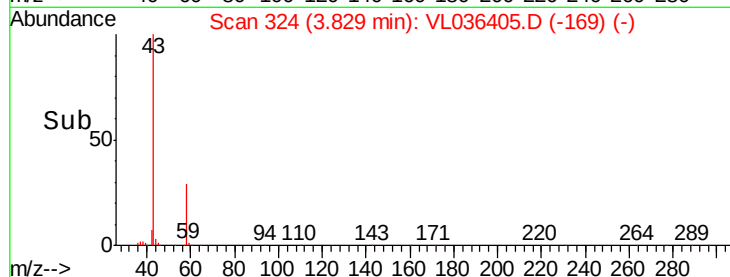
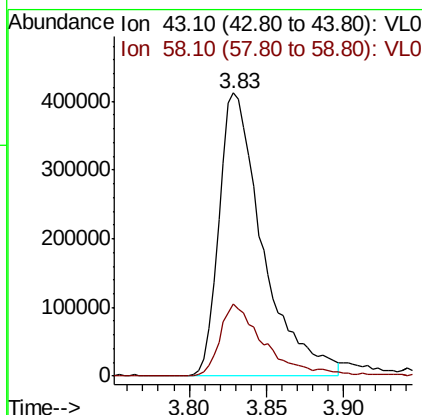
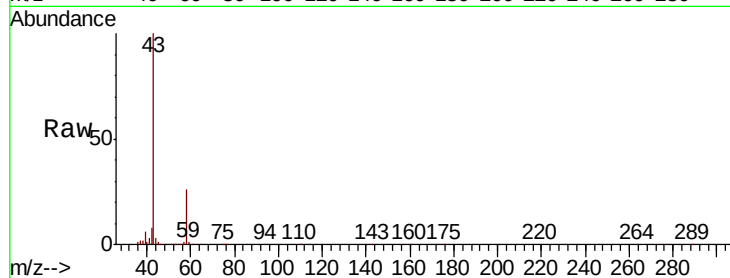
#15
Acetone
Concen: 4.294 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.00 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
SG-6DUP

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.3	30.5

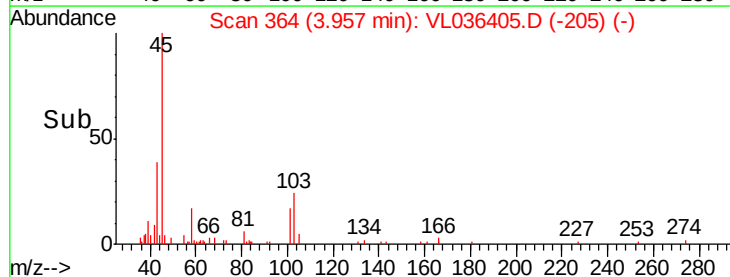
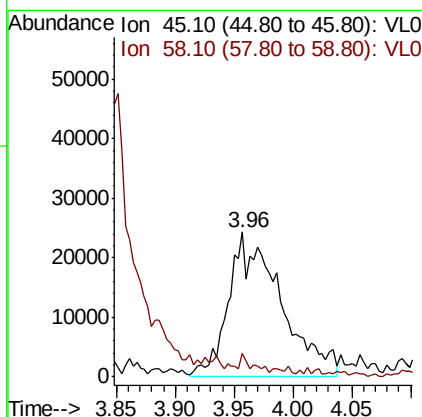
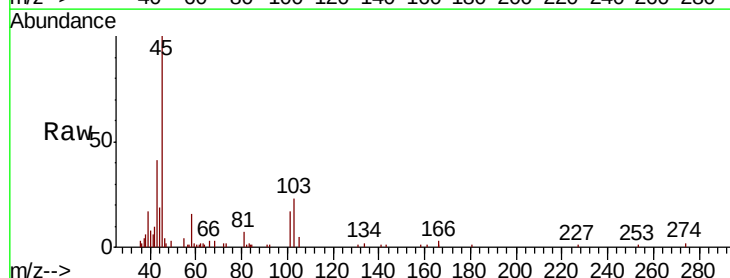
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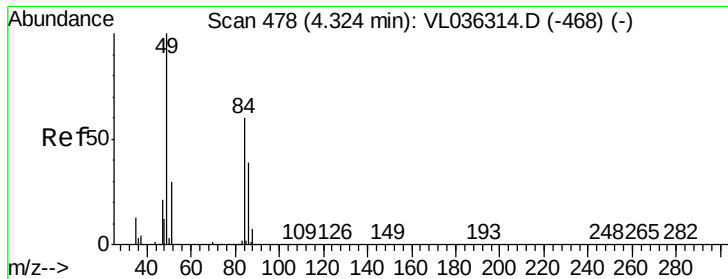
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#19
Isopropyl Alcohol
Concen: 0.720 ppbv m
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
45	100		
58	10.3	1.9	2.9#





#20

Methvlene Chloride

Concen: 160.317 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

SG-6DUP

Tot Ion: 84 Resp: 9725392

Ion Ratio Lower Upper

84 100

49 127.6 133.8 200.8#

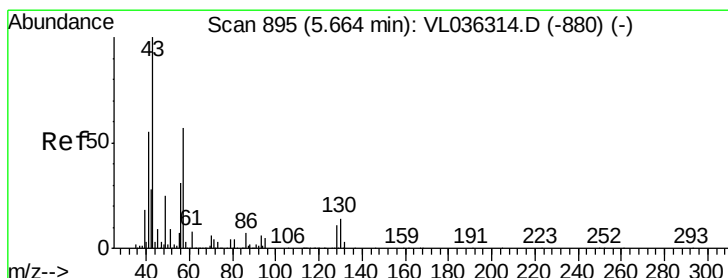
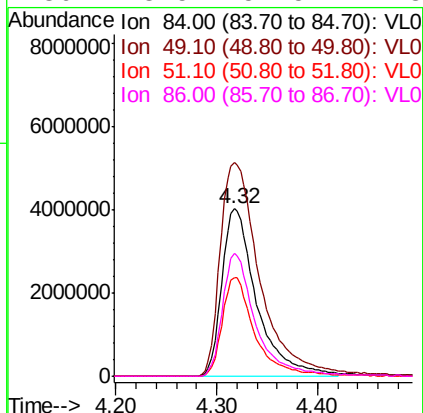
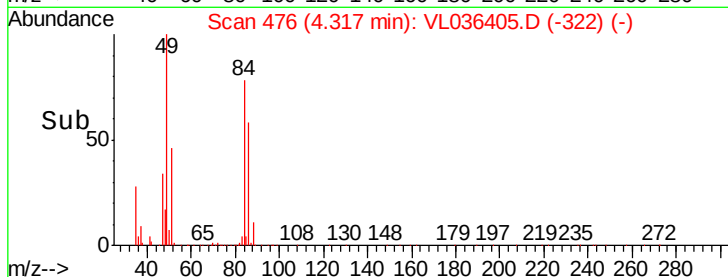
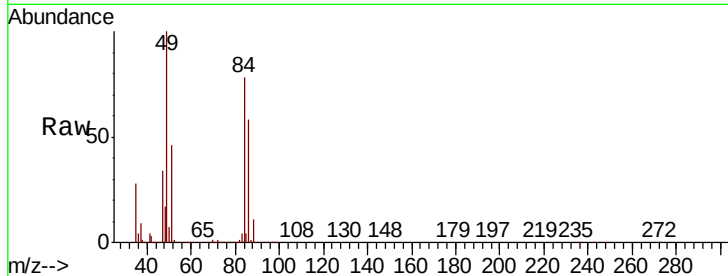
51 59.2 41.4 62.0

86 73.5 51.5 77.3

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#26

Hexane

Concen: 9.635 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Tgt Ion: 57 Resp: 1437039

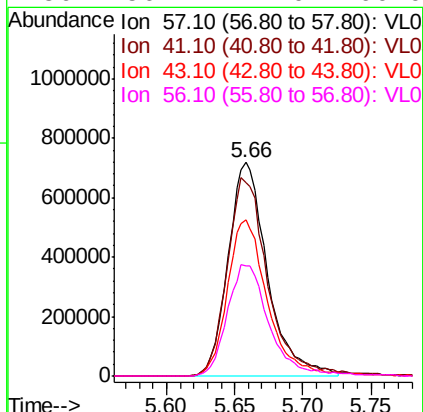
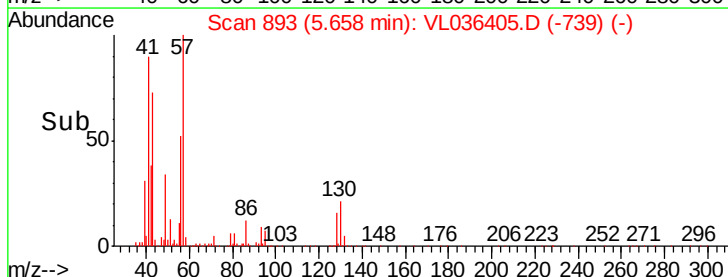
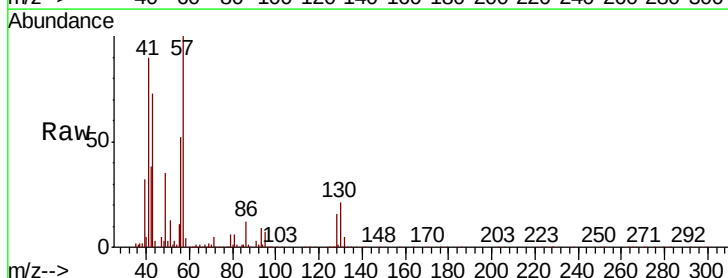
Ion Ratio Lower Upper

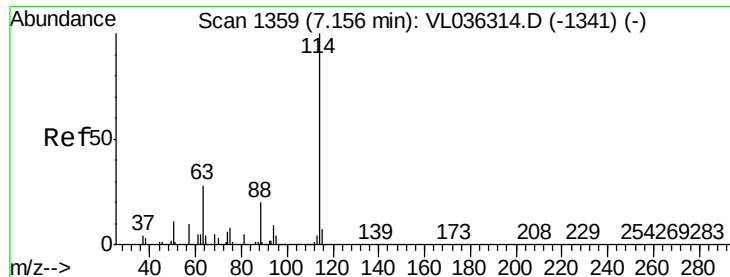
57 100

41 96.8 81.7 122.5

43 75.7 199.1 298.7#

56 56.1 44.0 66.0





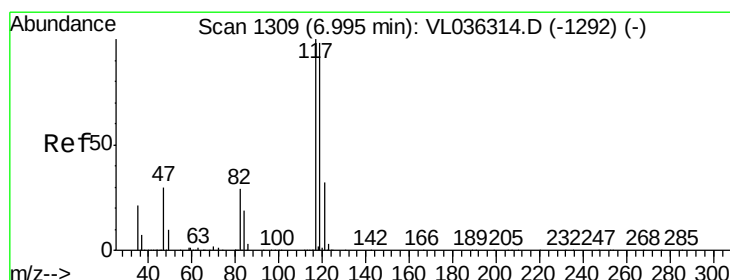
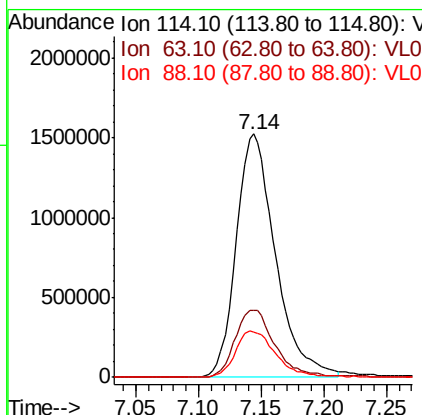
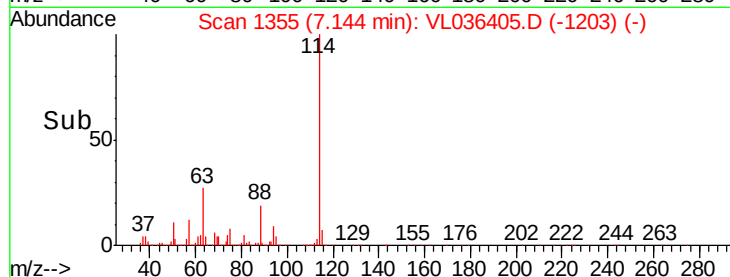
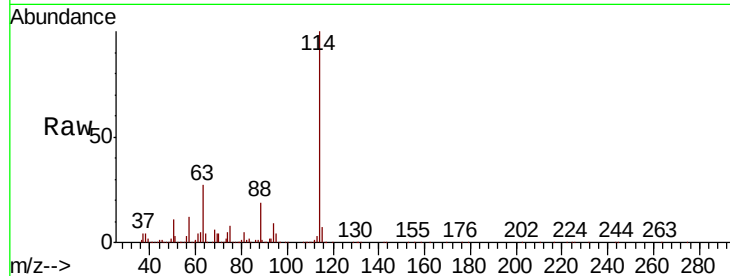
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL036405.D
 Acq: 26 Feb 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	20.0	16.0	24.0

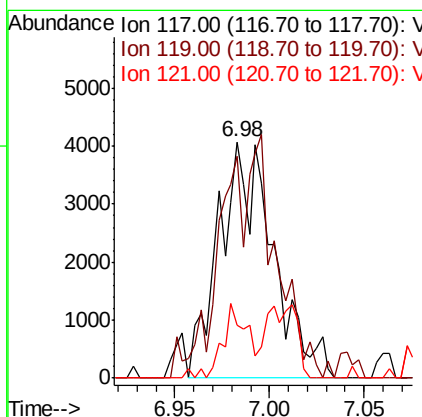
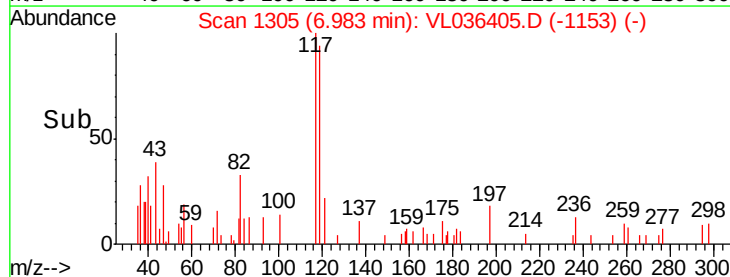
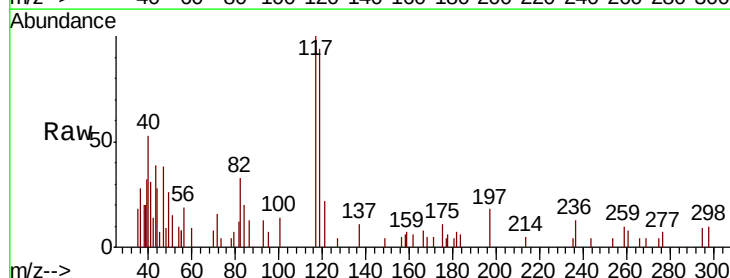
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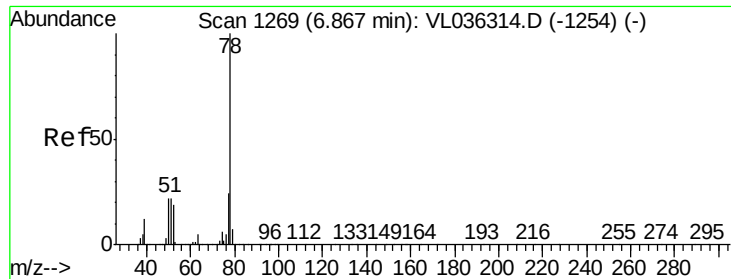
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#35
 Carbon Tetrachloride
 Concen: 0.037 ppbv m
 RT: 6.98 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: VL036405.D
 Acq: 26 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.1	117.1
121	22.4	25.8	38.8#





#36

Benzene

Concen: 0.141 ppbv m

RT: 6.86 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Instrument :

MSVOA_L

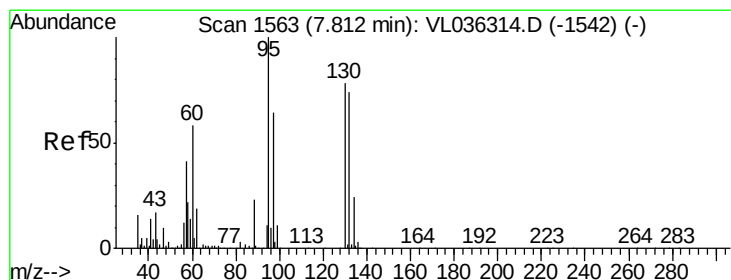
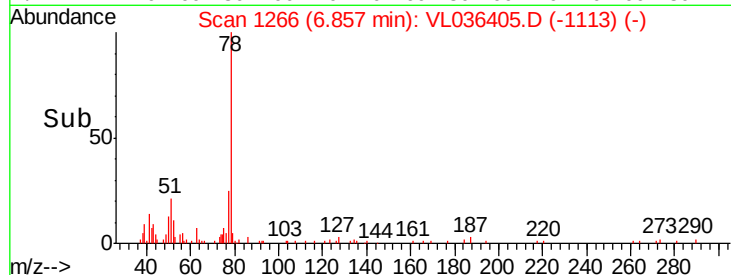
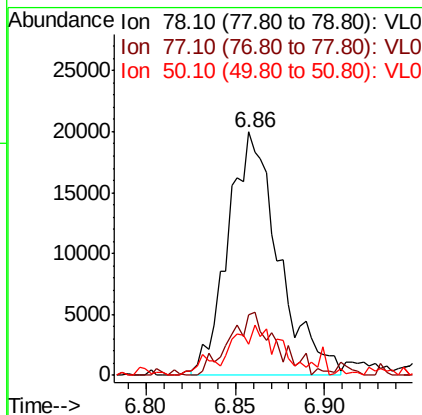
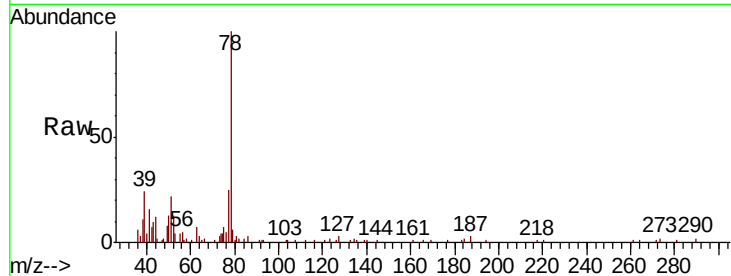
ClientSampled :

SG-6DUP

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3
50	12.8	17.3	25.9#

Manual Integrations
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#38

Trichloroethene

Concen: 0.031 ppbv m

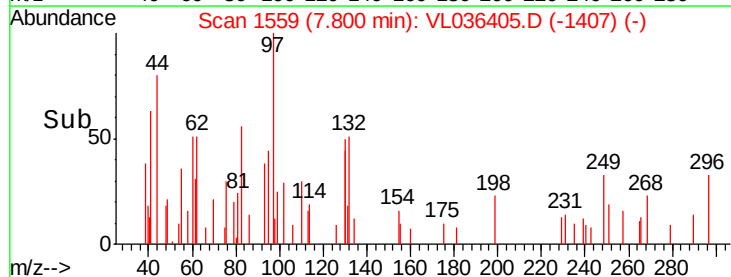
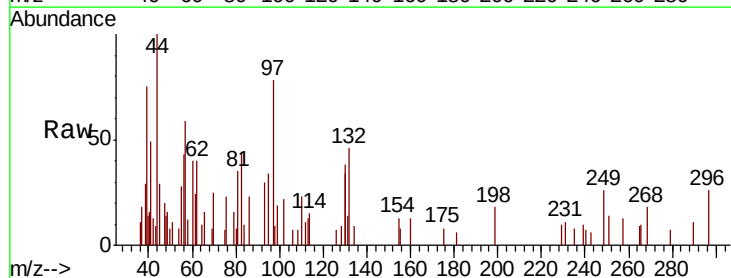
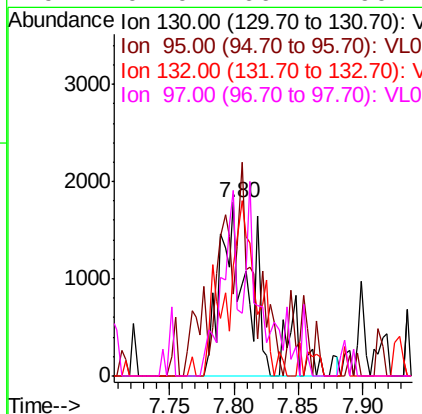
RT: 7.80 min Scan# 1559

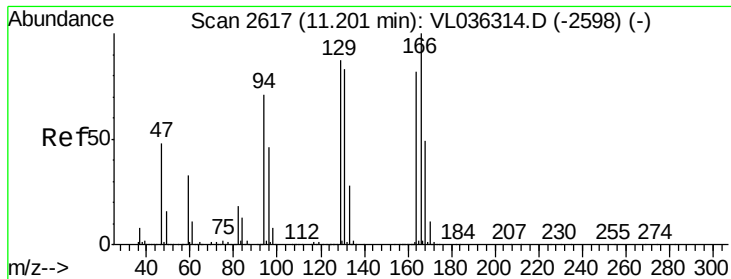
Delta R.T. -0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	102.8	154.2#
132	119.6	75.7	113.5#
97	202.0	66.2	99.2#





#52

Tetrachloroethene

Concen: 0.111 ppbv m

RT: 11.19 min Scan# 2613

Delta R.T. -0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Instrument :

MSVOA_L

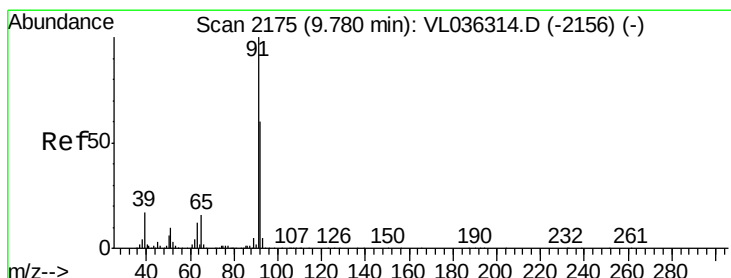
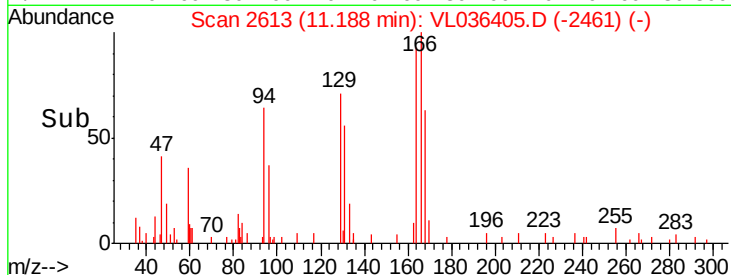
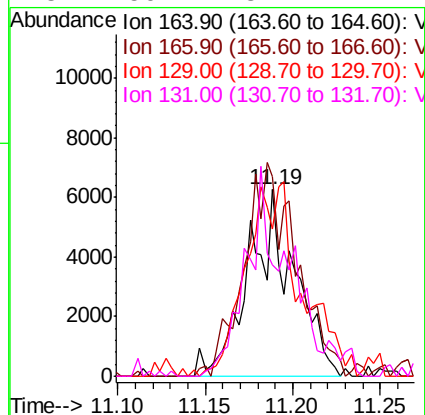
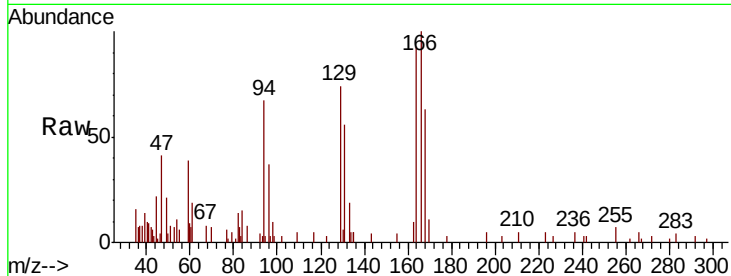
ClientSampled :

SG-6DUP

Tot Ion:	164	Resp:	11396
Ion	Ratio	Lower	Upper
164	100		
166	107.0	97.8	146.8
129	79.1	84.9	127.3#
131	59.7	81.4	122.2#

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#53

Toluene

Concen: 0.954 ppbv m

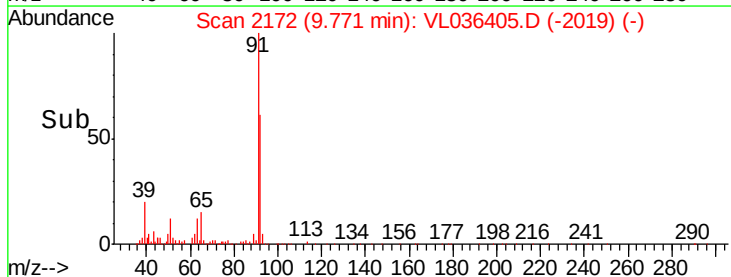
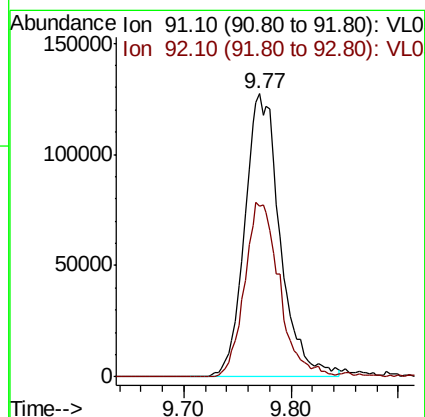
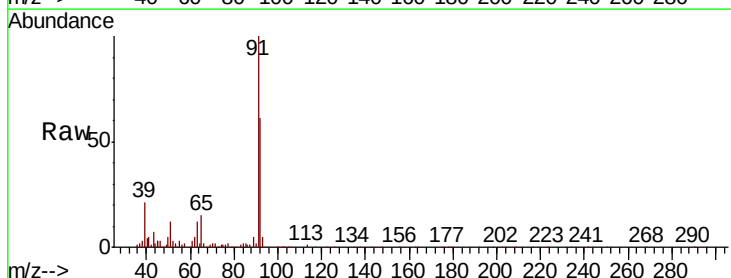
RT: 9.77 min Scan# 2172

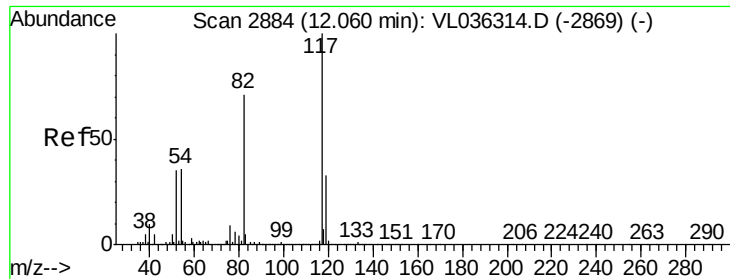
Delta R.T. -0.01 min

Lab File: VL036405.D

Acq: 26 Feb 2021 16:53

Tgt Ion:	91	Resp:	291200
Ion	Ratio	Lower	Upper
91	100		
92	61.6	48.6	72.8





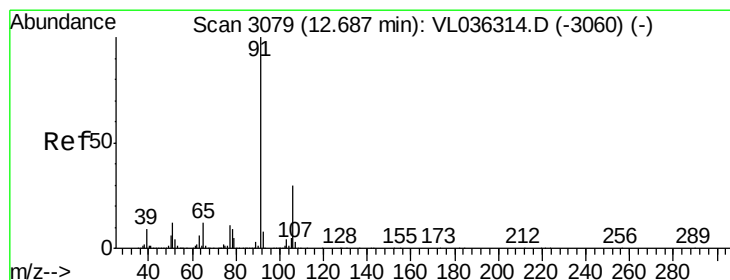
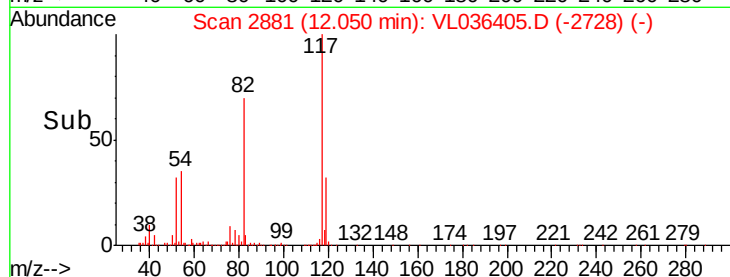
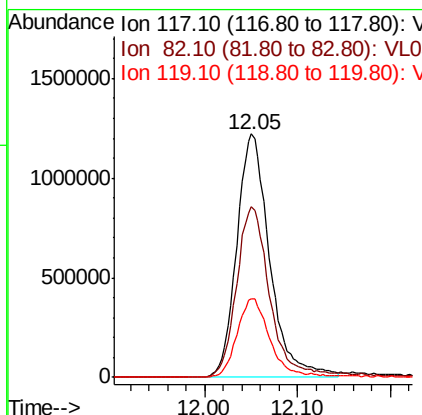
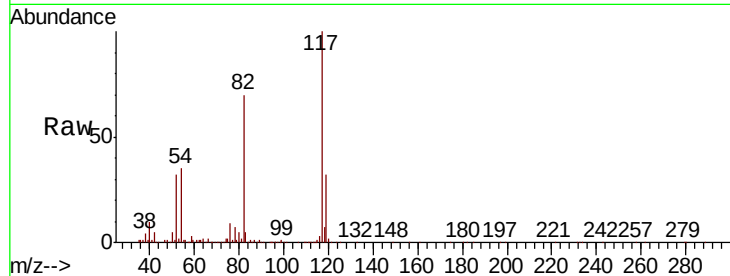
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
SG-6DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.2	59.1	88.7
119	32.5	46.3	69.5

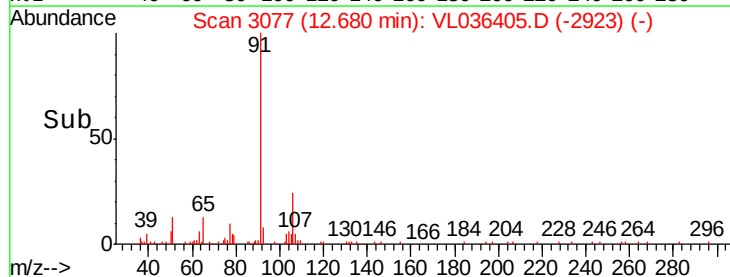
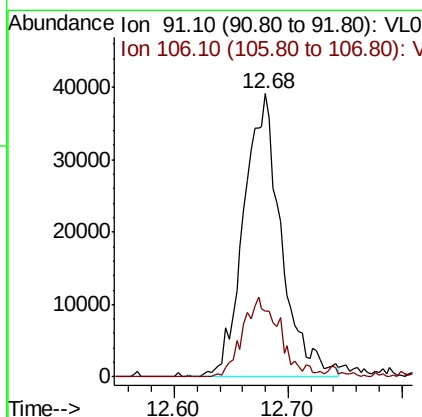
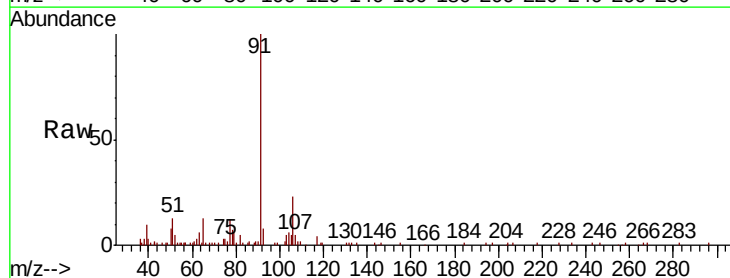
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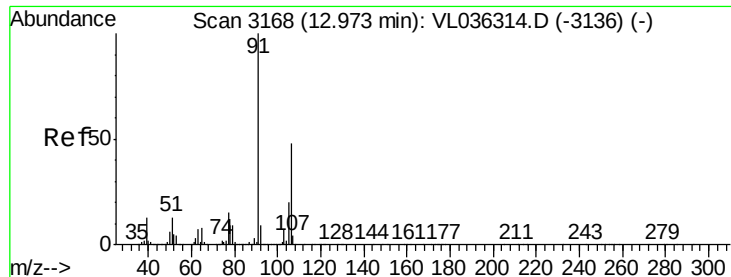
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#58
Ethyl Benzene
Concen: 0.217 ppbv m
RT: 12.68 min Scan# 3077
Delta R.T. -0.01 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.4	23.8	35.6





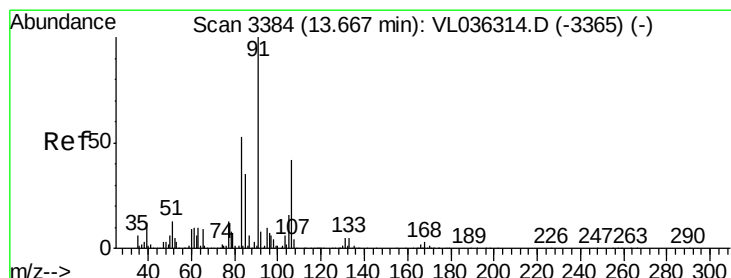
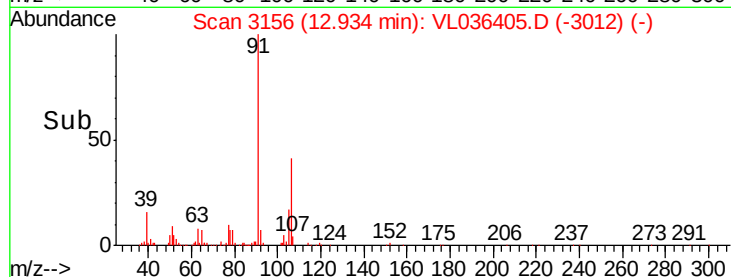
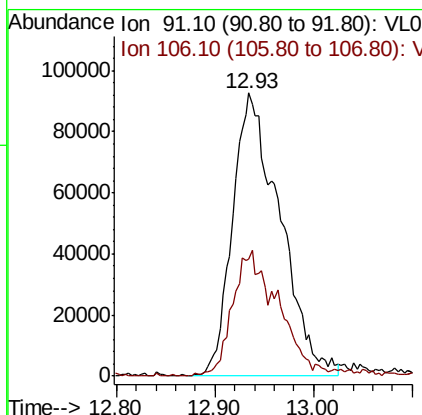
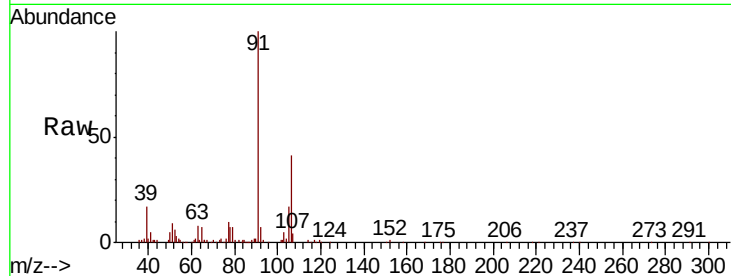
#59
m/p-Xylene
Concen: 0.848 ppbv m
RT: 12.93 min Scan# 3156
Delta R.T. -0.04 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :
SG-6DUP

Tot Ion: 91 Resp: 307845
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

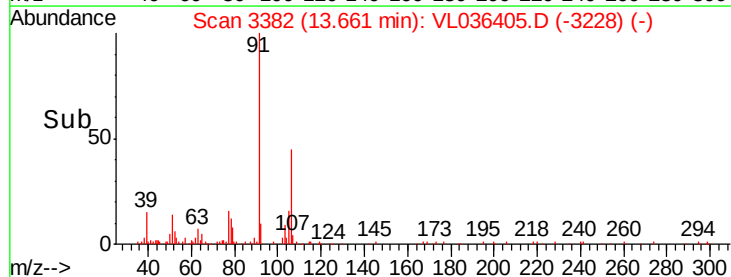
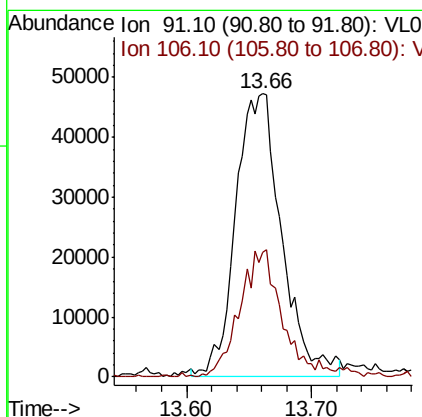
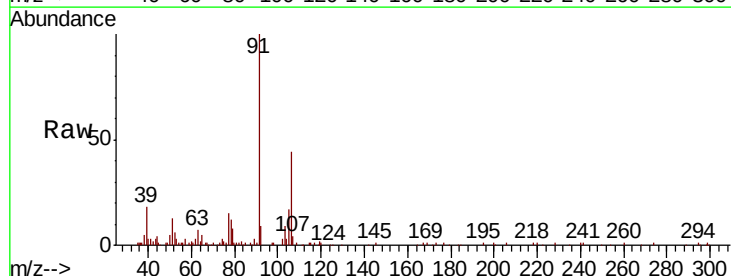
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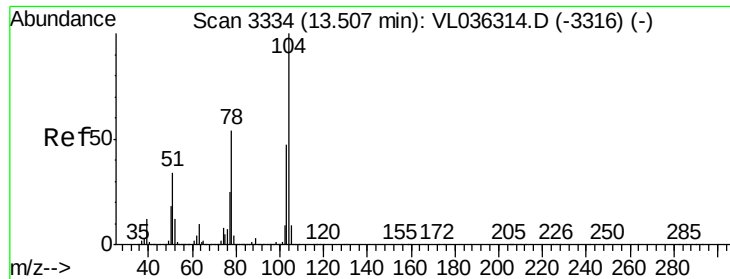
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#60
o-Xylene
Concen: 0.349 ppbv m
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Tgt Ion: 91 Resp: 121092
Ion Ratio Lower Upper
91 100
106 0.0 22.0 66.0#





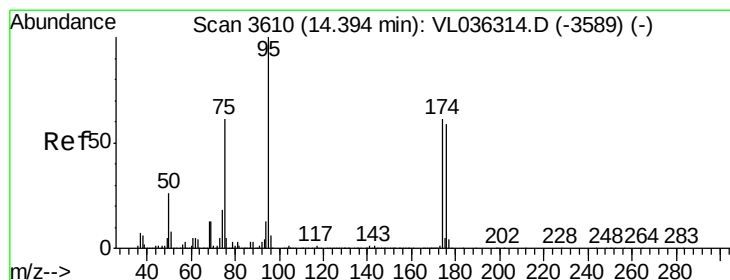
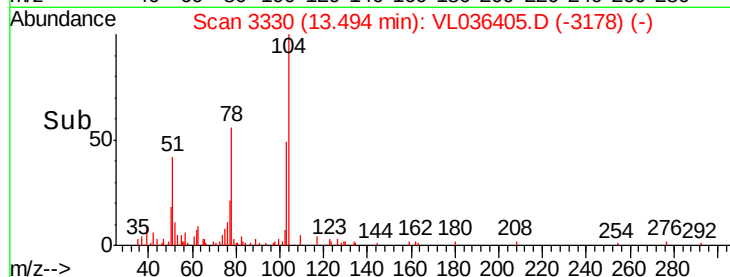
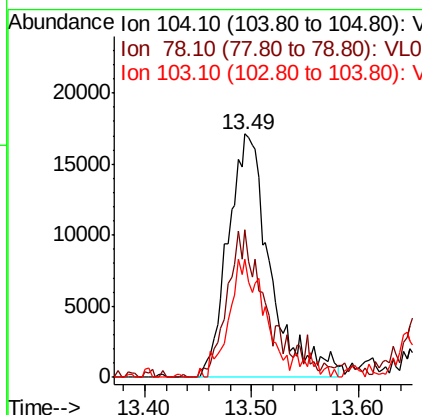
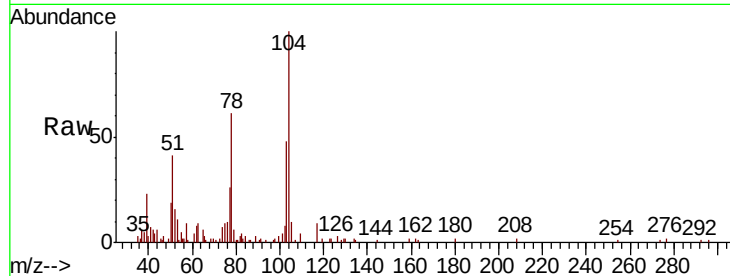
#61
Stvrene
Concen: 0.216 ppbv m
RT: 13.49 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Instrument :
MSVOA_L
ClientSampled :
SG-6DUP

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.7	46.2	69.2
103	42.2	38.3	57.5

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.493 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.01 min
Lab File: VL036405.D
Acq: 26 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.3	49.8	74.6
175	5.0	3.7	5.5

