

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036750.D
 Acq On : 8 Apr 2021 14:42
 Operator : SY/AP
 Sample : M1981-04 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:40 AM

Quant Time: Apr 09 11:43:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	1242844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2952369	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2616003	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2009148	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	631455	8.530	ppbv	89
10) Heptane	8.11	43	31260m	0.166	ppbv	
15) Acetone	3.84	43	10015496	81.876	ppbv	95
20) Methylene Chloride	4.34	84	912296	15.929	ppbv	93
26) Hexane	5.68	57	784143	5.810	ppbv #	48
27) Carbon Disulfide	4.55	76	114389	0.860	ppbv #	88
30) Cyclohexane	7.17	84	33290m	0.304	ppbv	
34) 2-Butanone	5.24	43	775304	5.380	ppbv	98
36) Benzene	6.89	78	358011	1.315	ppbv	98
38) Trichloroethene	7.83	130	7124m	0.067	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	65627m	0.137	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	155684	0.747	ppbv	100
51) 2-Hexanone	10.15	43	38618m	0.367	ppbv	
53) Toluene	9.80	91	233693	0.806	ppbv	98
57) Chlorobenzene	12.14	112	33170m	0.149	ppbv	
58) Ethyl Benzene	12.71	91	59230m	0.156	ppbv	
59) m/p-Xylene	12.97	91	110479m	0.333	ppbv	
60) o-Xylene	13.68	91	73135m	0.228	ppbv	

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

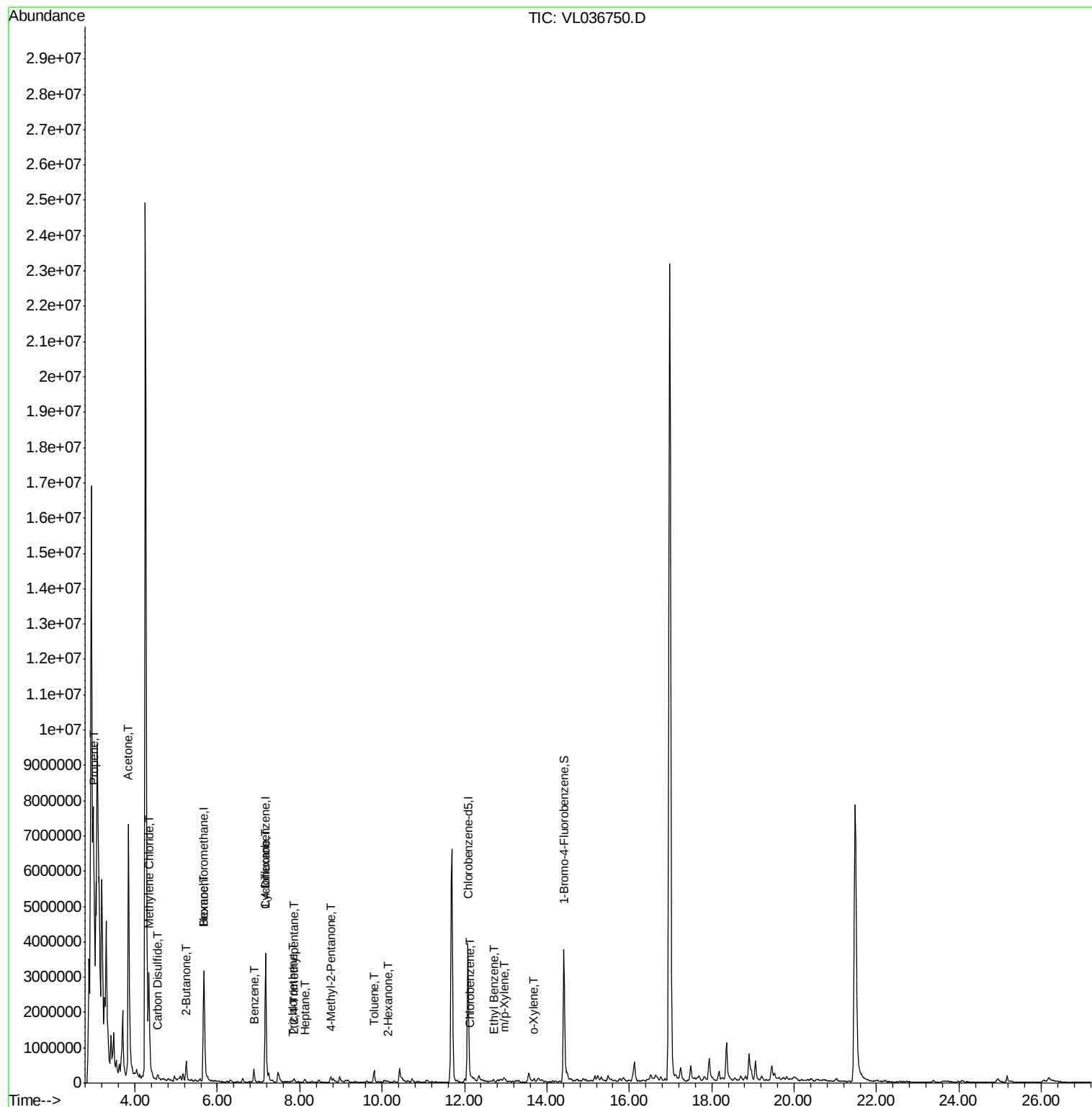
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036750.D
Acq On : 8 Apr 2021 14:42
Operator : SY/AP
Sample : M1981-04 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

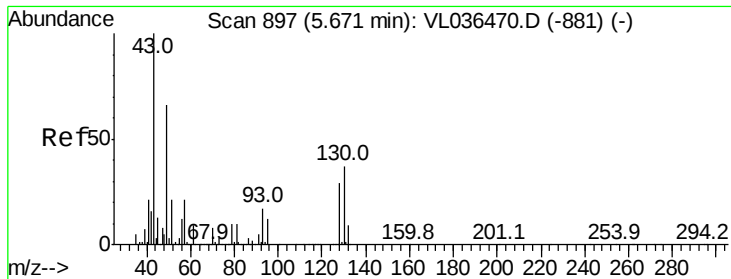
Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
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4/12/2021 11:46:40 AM

Quant Time: Apr 09 11:43:06 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# 894

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampled :

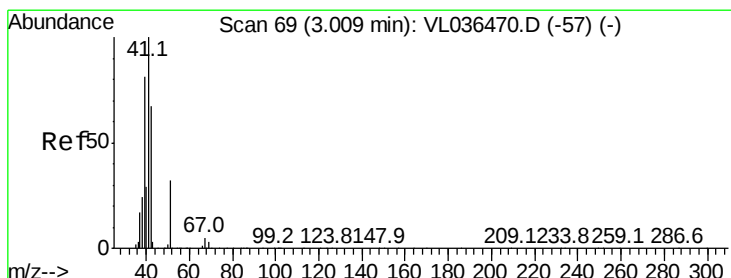
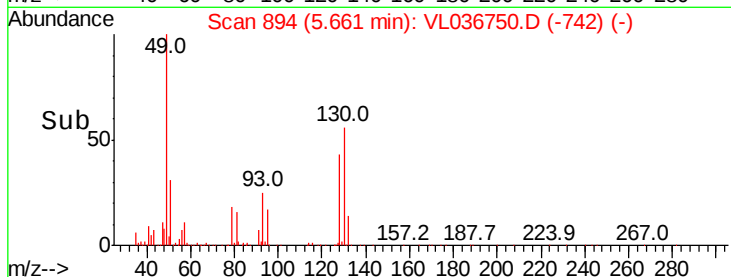
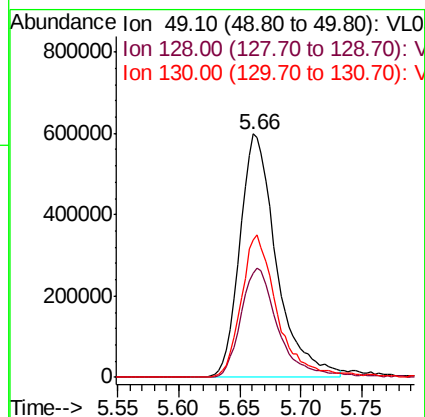
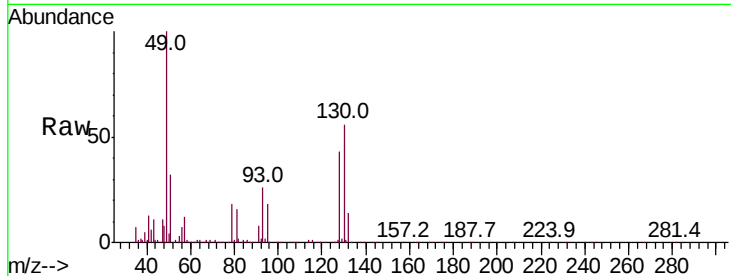
SG-1

Tot Ion: 49 Resp: 1242844

Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.5	70.6
130	59.1	29.1	87.4

Manual Integrations
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#9

Propene

Concen: 8.530 ppbv

RT: 3.00 min Scan# 67

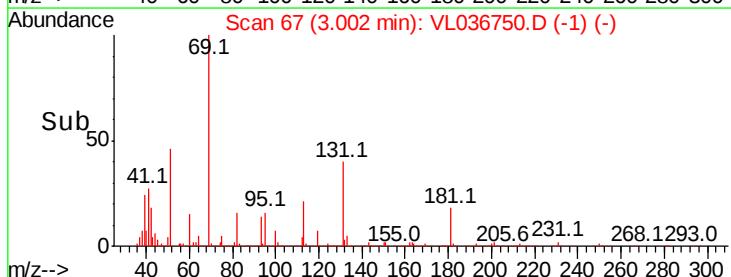
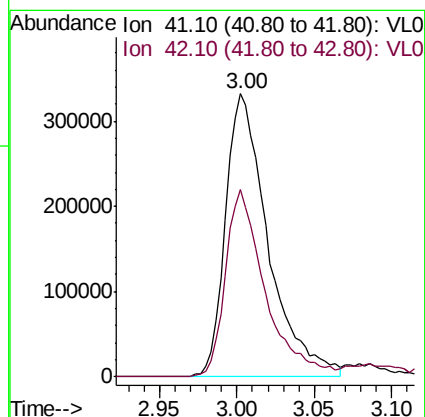
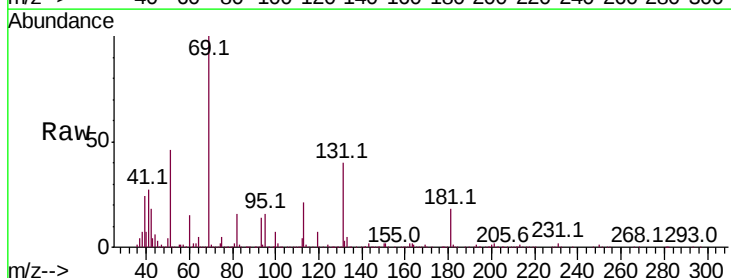
Delta R.T. -0.01 min

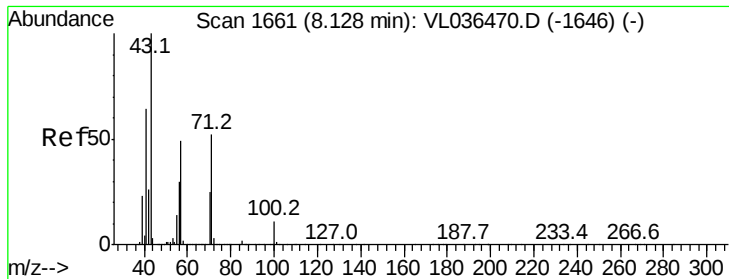
Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Tgt Ion: 41 Resp: 631455

Ion	Ratio	Lower	Upper
41	100		
42	62.2	57.0	85.4





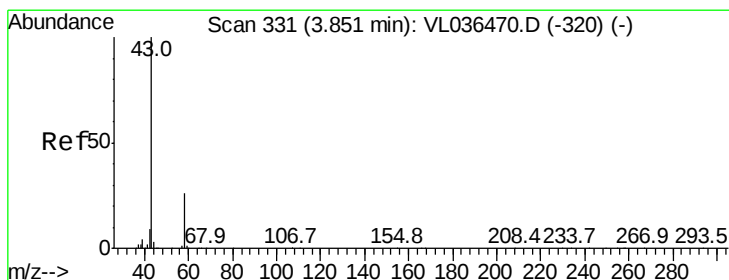
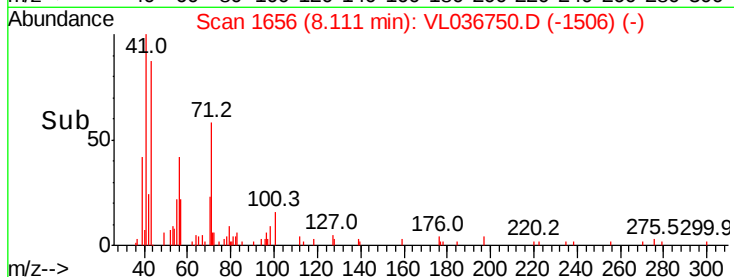
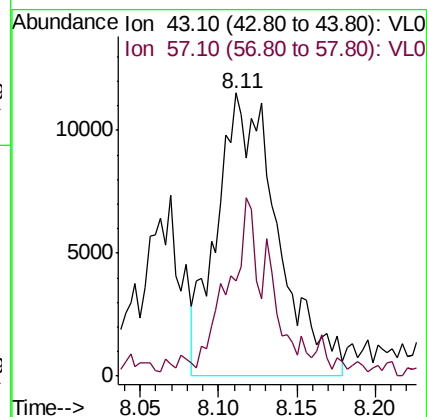
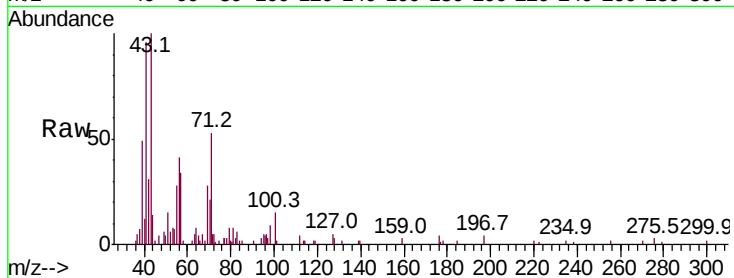
#10
Heptane
Concen: 0.166 ppbv m
RT: 8.11 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion: 43 Resp: 31260
Ion Ratio Lower Upper
43 100
57 43.2 39.0 58.6

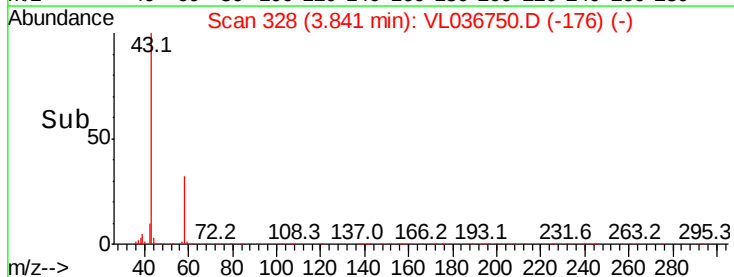
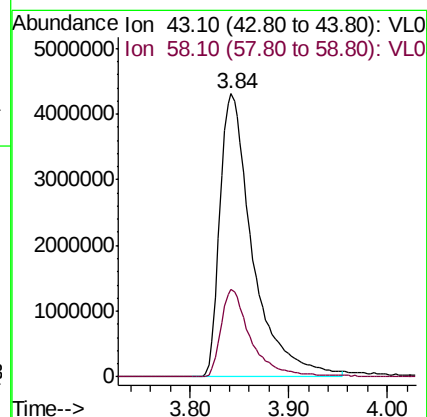
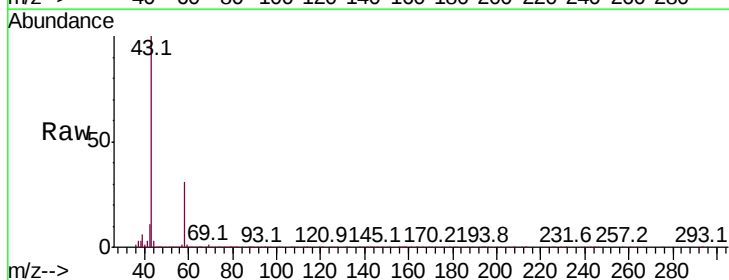
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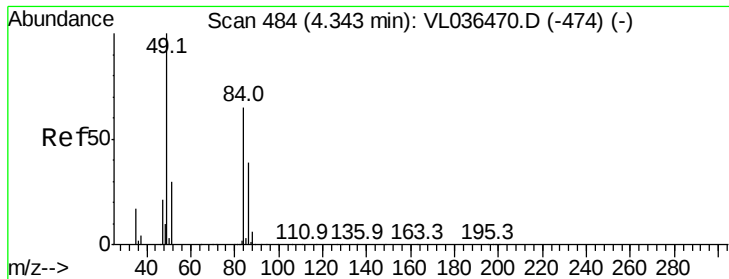
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#15
Acetone
Concen: 81.876 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion: 43 Resp:10015496
Ion Ratio Lower Upper
43 100
58 29.1 21.2 31.8





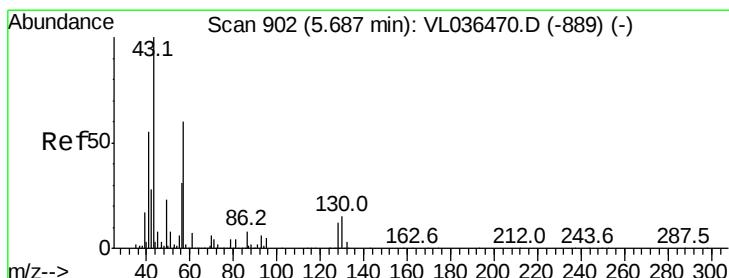
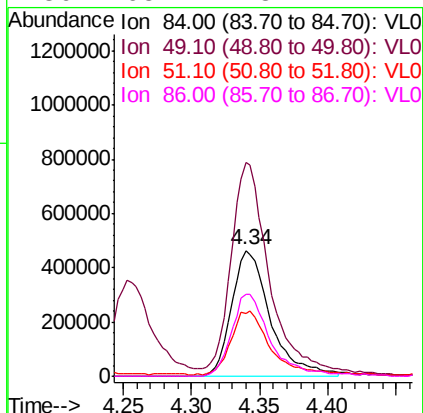
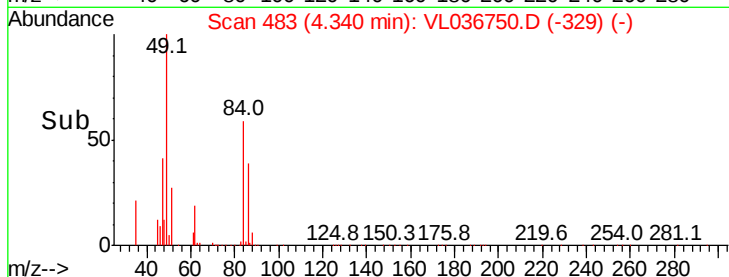
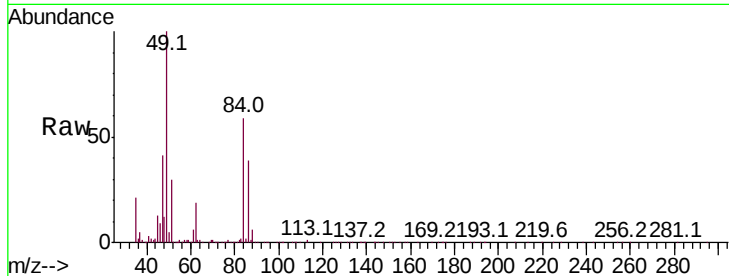
#20
Methvlene Chloride
Concen: 15.929 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion	Ratio	Lower	Upper
84	100		
49	163.1	122.9	184.3
51	48.6	36.9	55.3
86	65.4	48.2	72.4

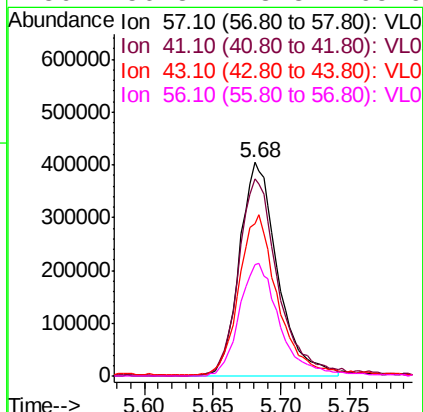
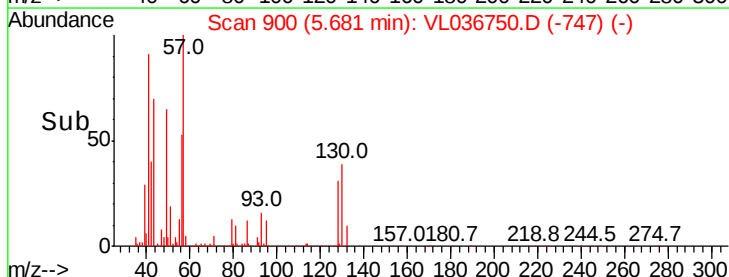
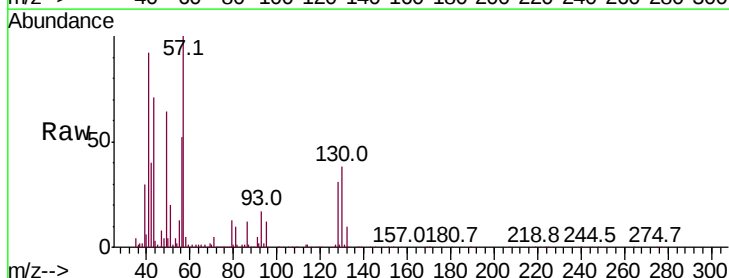
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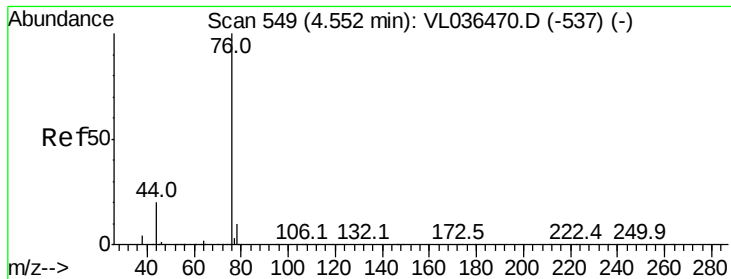
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#26
Hexane
Concen: 5.810 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.7	77.2	115.8
43	77.6	173.8	260.6#
56	56.8	43.8	65.6





#27

Carbon Disulfide

Concen: 0.860 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

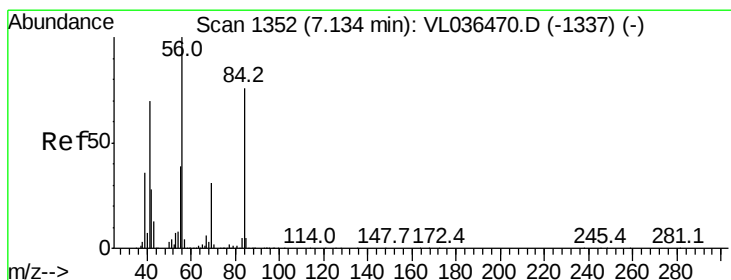
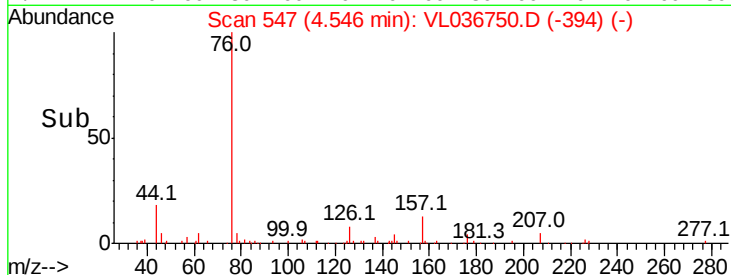
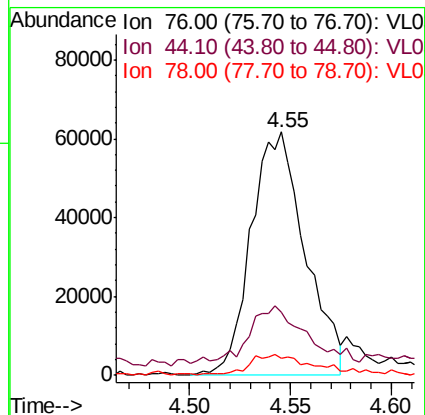
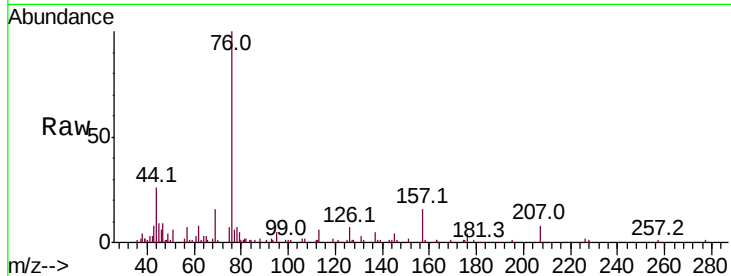
ClientSampleId :

SG-1

Tot Ion:	76	Resp:	114389
Ion Ratio	Lower	Upper	
76	100		
44	29.5	17.5	26.3#
78	12.4	8.6	13.0

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#30

Cyclohexane

Concen: 0.304 ppbv m

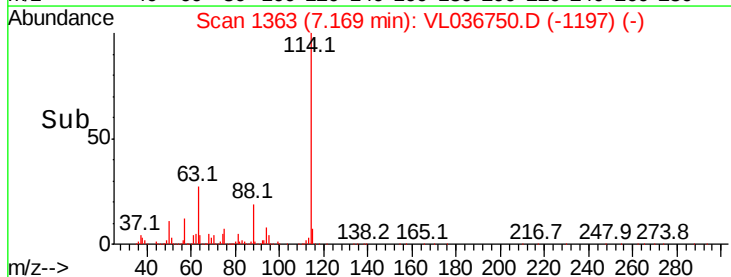
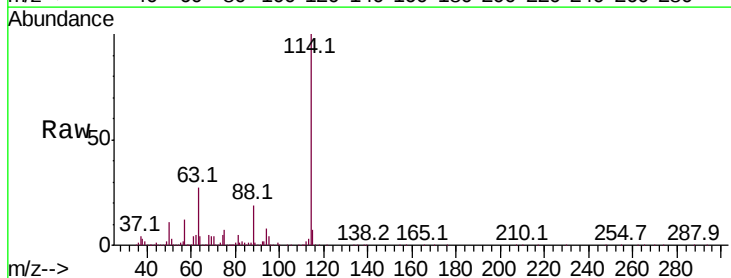
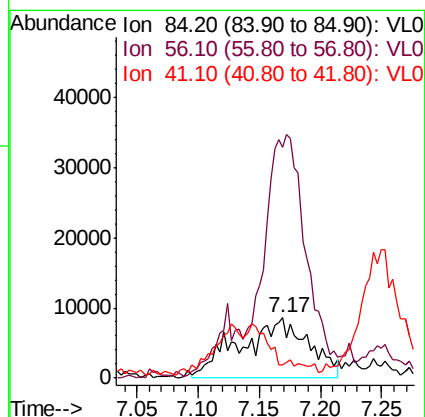
RT: 7.17 min Scan# 1363

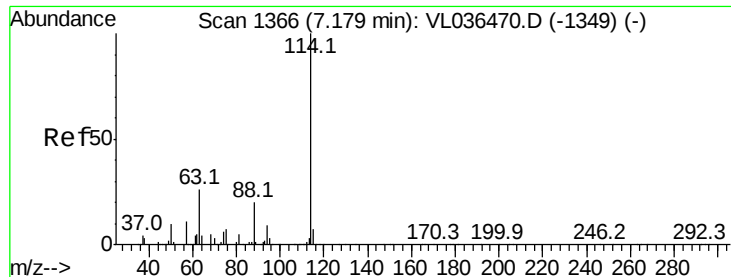
Delta R.T. 0.04 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Tgt Ion:	84	Resp:	33290
Ion Ratio	Lower	Upper	
84	100		
56	0.0	114.6	171.8#
41	0.0	75.3	112.9#





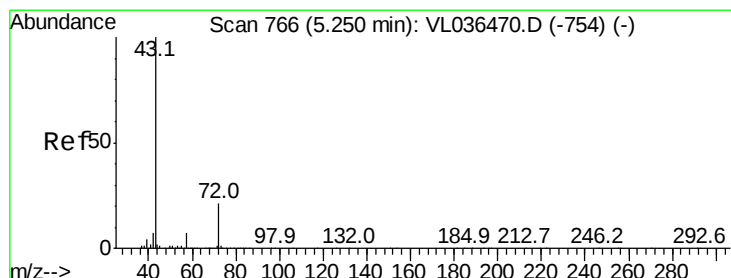
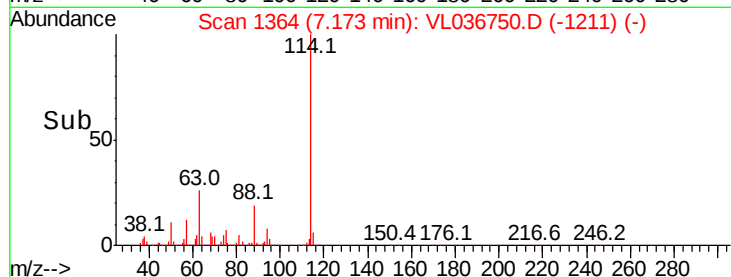
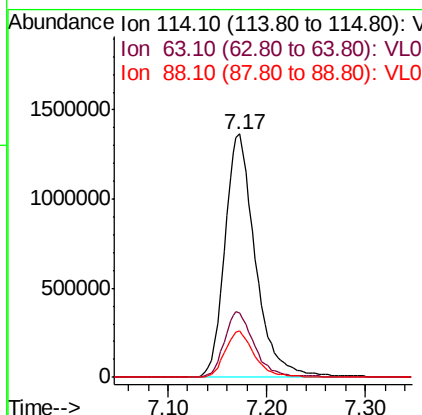
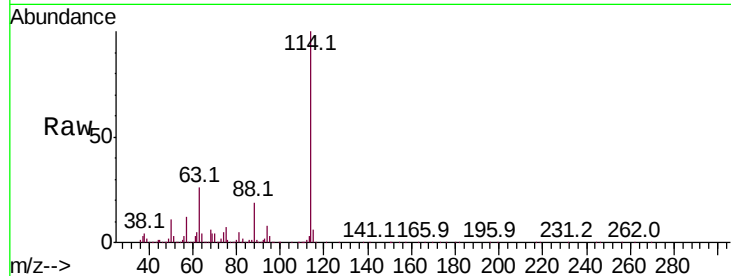
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.6	15.4	23.0

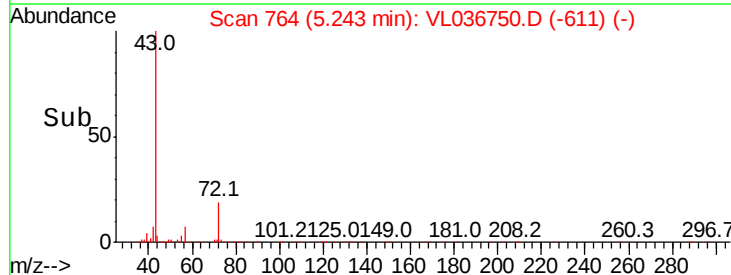
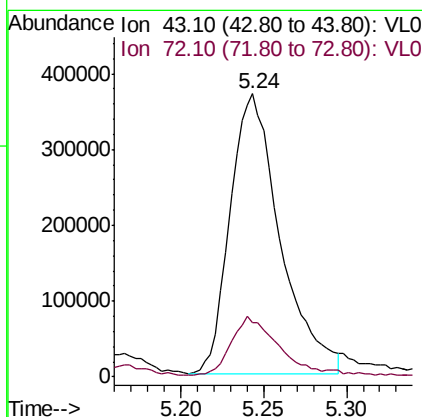
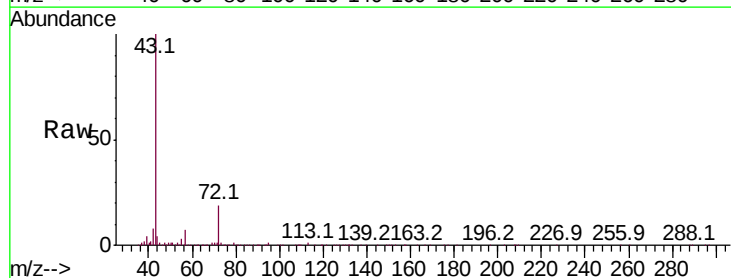
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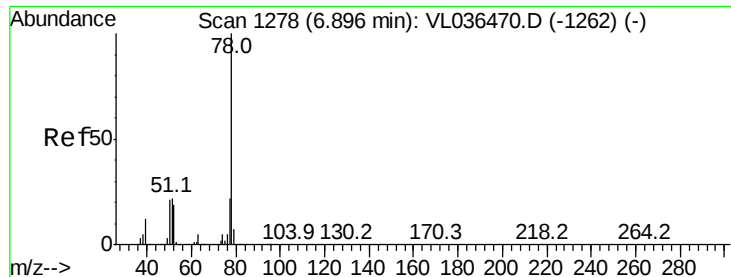
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#34
 2-Butanone
 Concen: 5.380 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.0	25.6





#36

Benzene

Concen: 1.315 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

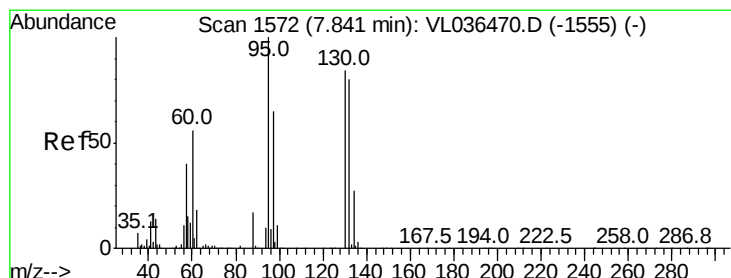
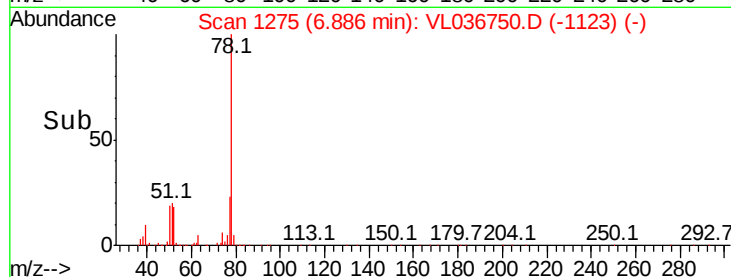
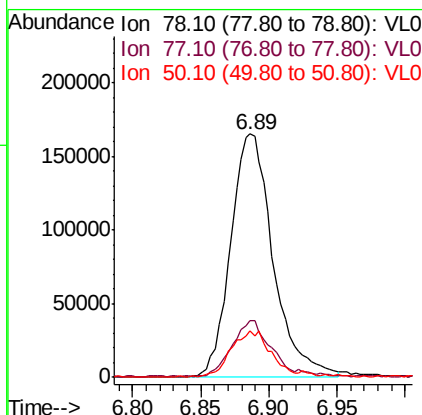
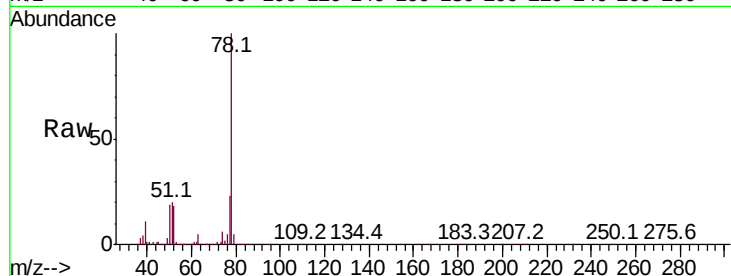
ClientSampled :

SG-1

Tot Ion:	78	Resp:	358011
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.0	27.0
50	18.8	16.5	24.7

Manual Integrations
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#38

Trichloroethene

Concen: 0.067 ppbv m

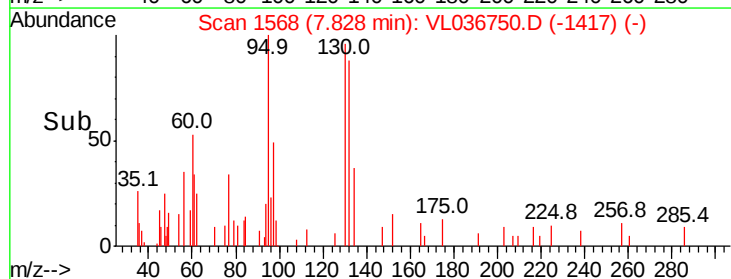
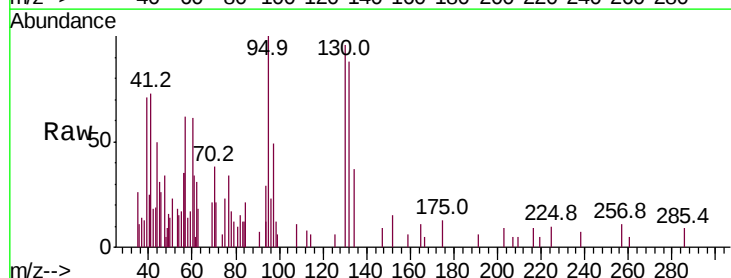
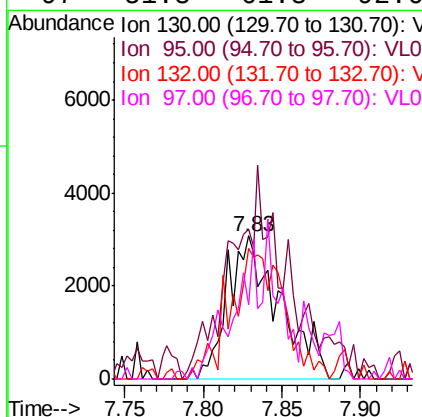
RT: 7.83 min Scan# 1568

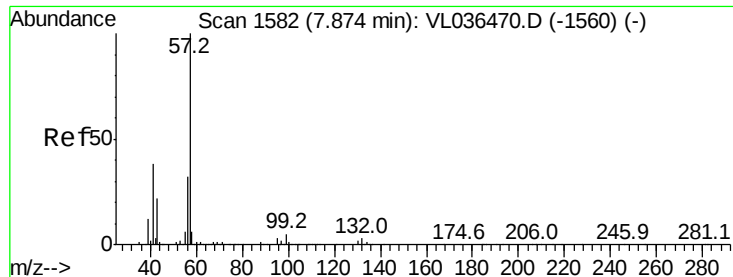
Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Tgt Ion:	130	Resp:	7124
Ion Ratio	Lower	Upper	
130	100		
95	104.6	95.7	143.5
132	91.8	76.2	114.4
97	51.8	61.8	92.6#





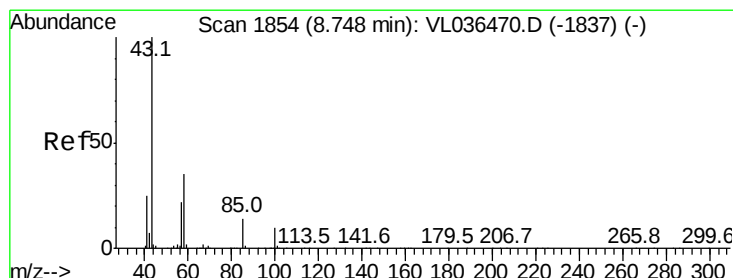
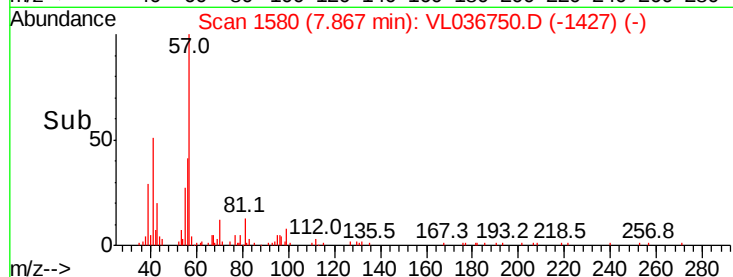
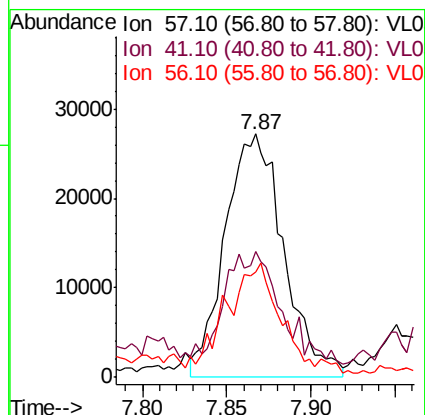
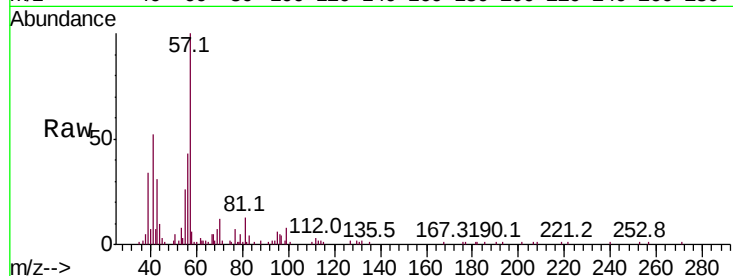
#44
 2,2,4-Trimethylpentane
 Concen: 0.137 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	51.6	28.8	43.2#
56	55.7	26.1	39.1#

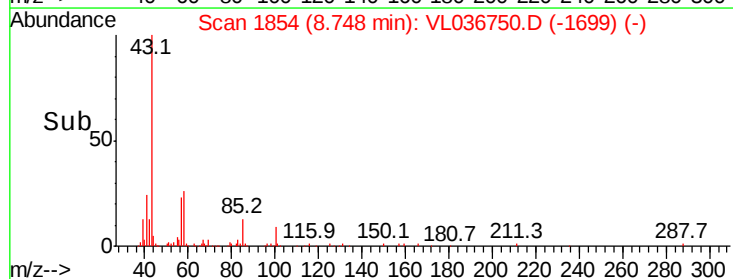
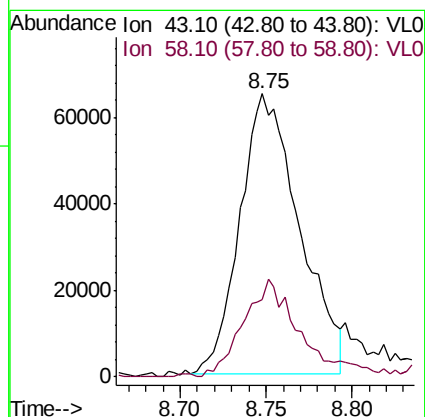
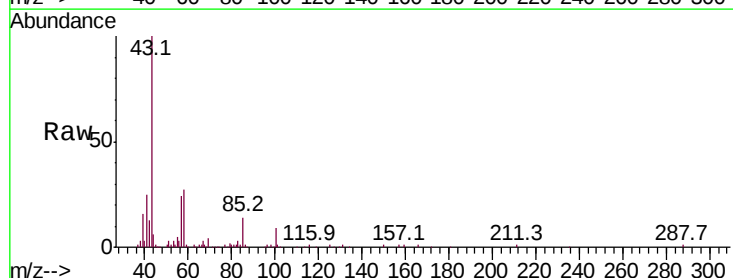
Manual Integrations
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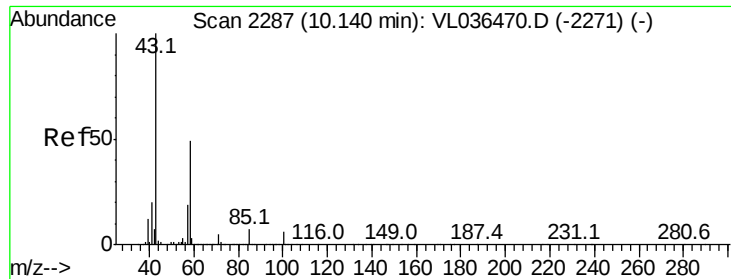
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#50
 4-Methyl-2-Pentanone
 Concen: 0.747 ppbv
 RT: 8.75 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2





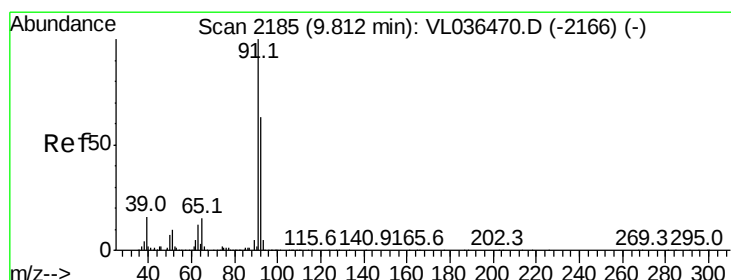
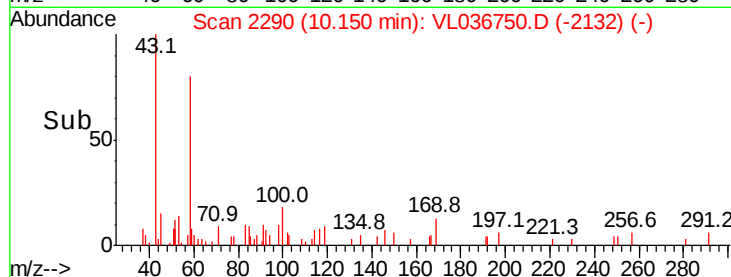
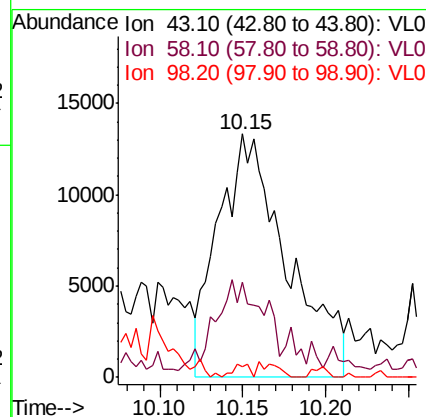
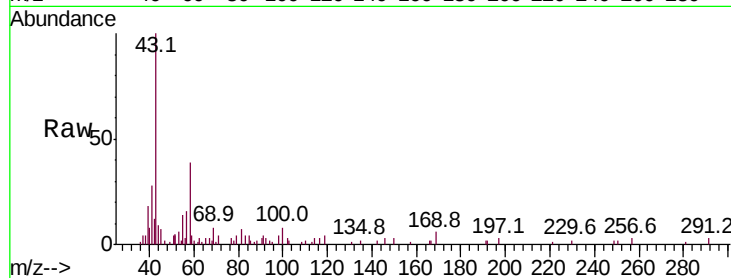
#51
2-Hexanone
Concen: 0.367 ppbv m
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.4	37.7	56.5#
98	0.0	0.2	0.2#

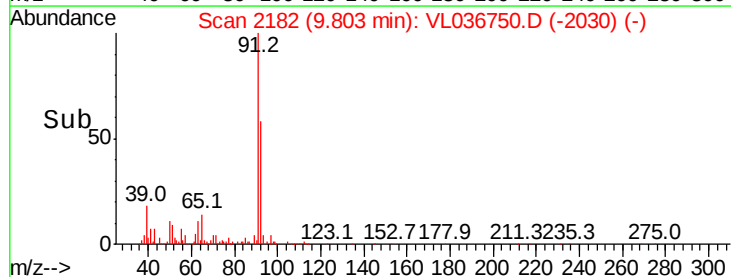
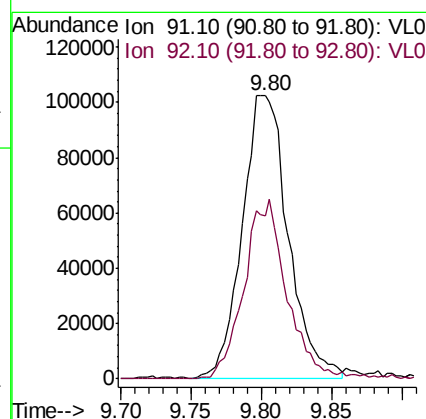
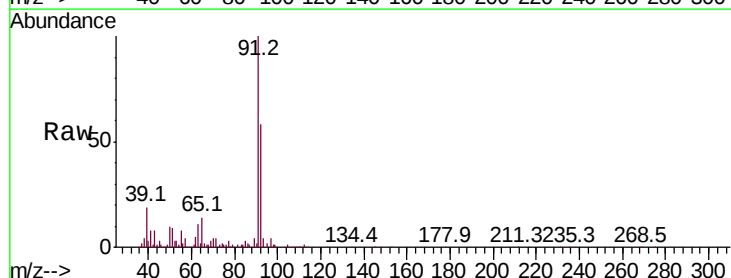
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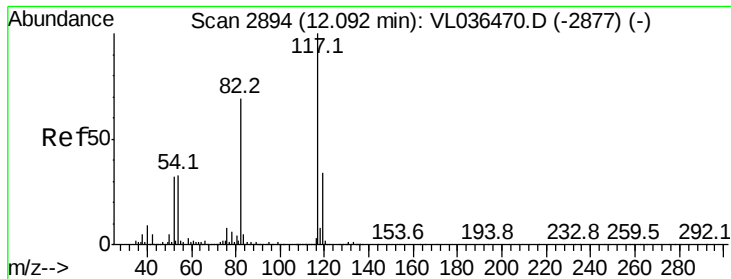
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#53
Toluene
Concen: 0.806 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.8	73.2





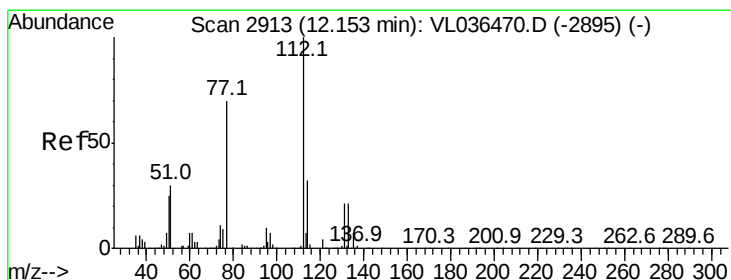
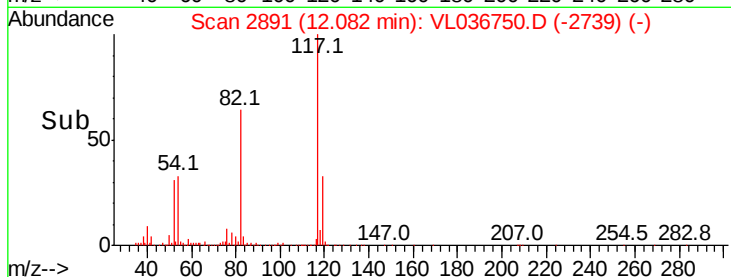
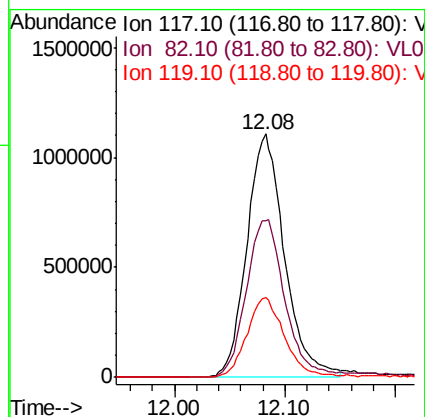
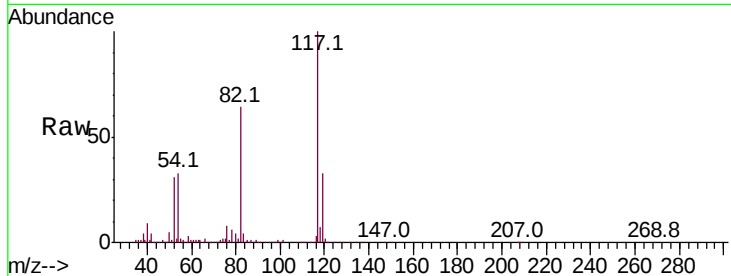
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.2	57.4	86.0
119	34.0	47.4	71.0#

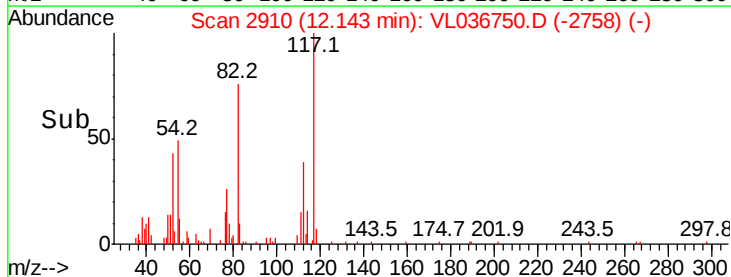
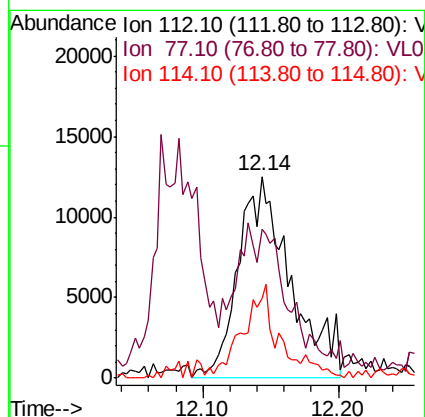
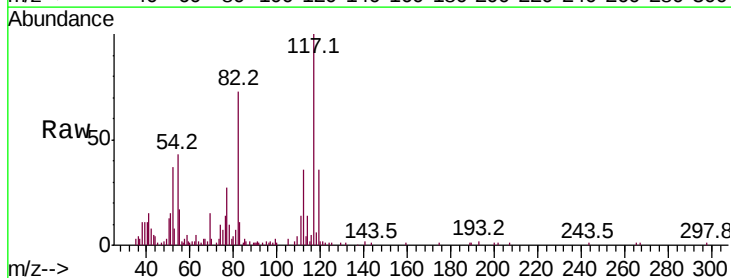
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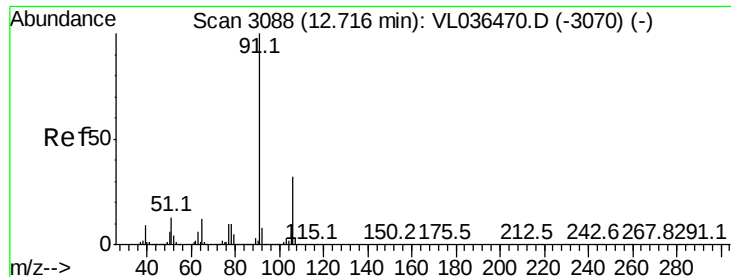
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#57
Chlorobenzene
Concen: 0.149 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
77	74.1	56.0	84.0
114	39.7	29.0	35.4#





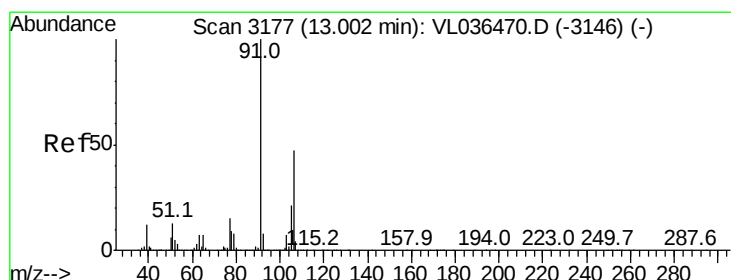
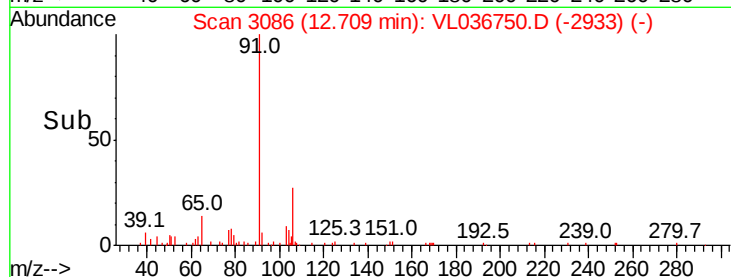
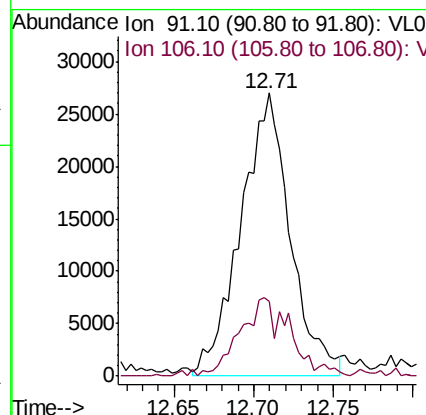
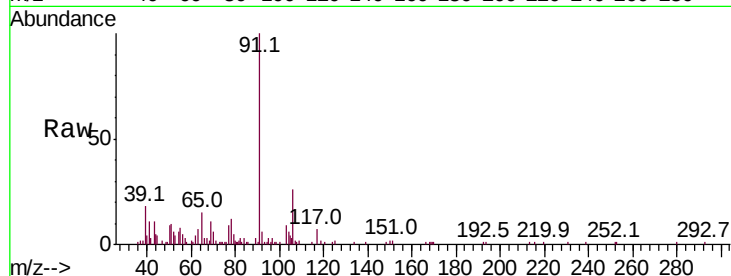
#58
Ethyl Benzene
Concen: 0.156 ppbv m
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion: 91 Resp: 59230
Ion Ratio Lower Upper
91 100
106 26.4 25.3 37.9

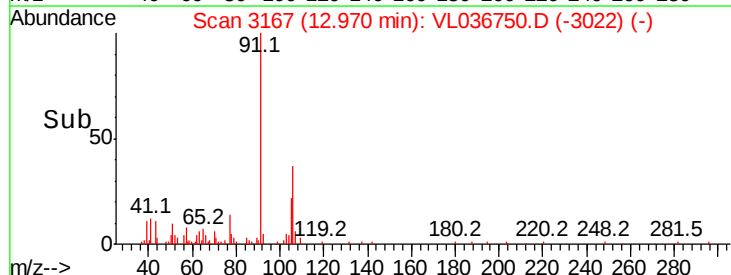
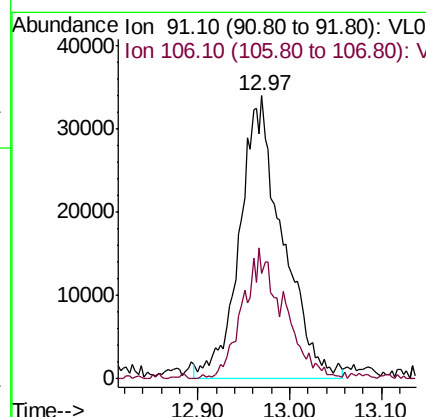
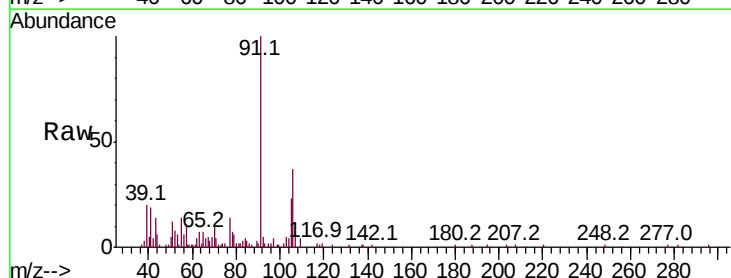
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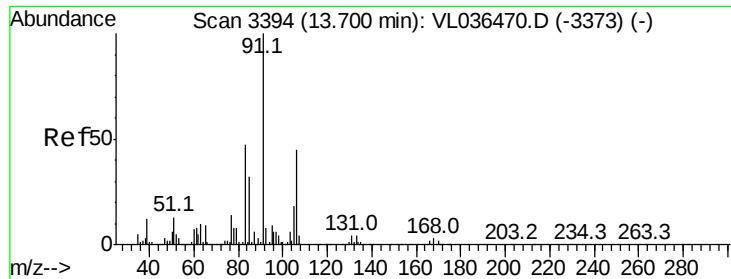
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#59
m/p-Xylene
Concen: 0.333 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion: 91 Resp: 110479
Ion Ratio Lower Upper
91 100
106 44.1 35.3 52.9





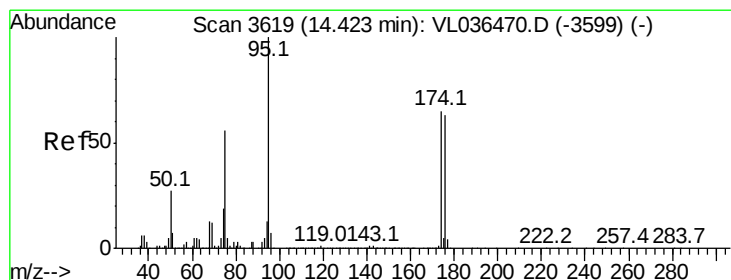
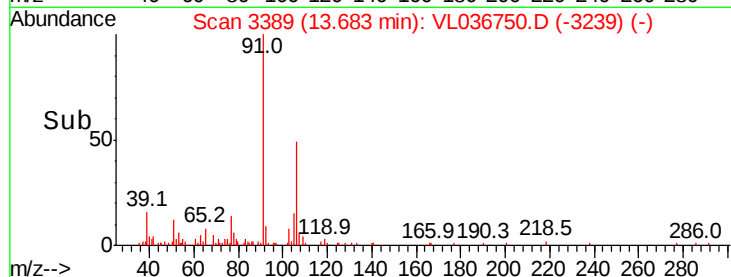
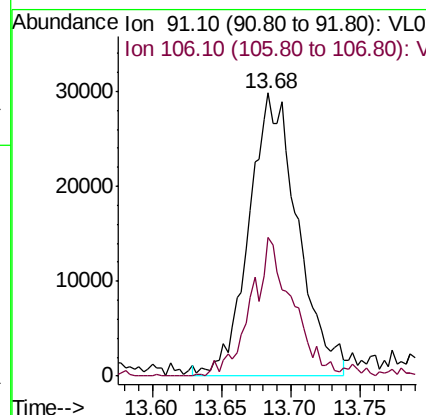
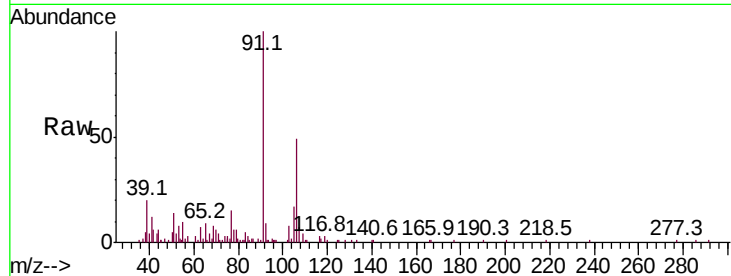
#60
o-Xylene
Concen: 0.228 ppbv m
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion: 91 Resp: 73135
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9#

Manual Integrations
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4/12/2021 11:46:40 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.636 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion: 95 Resp: 2009148
Ion Ratio Lower Upper
95 100
174 64.6 51.0 76.6
175 4.7 3.9 5.9

