

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035871.D
 Acq On : 5 Nov 2020 22:23
 Operator : SY/AP
 Sample : L4618-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:47:36 AM

Quant Time: Nov 06 01:35:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1023560	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3720493	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3284148	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2404839	10.31	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	56799	0.295	ppbv	97
3) Chlorodifluoromethane	2.97	51	39488	0.322	ppbv	96
4) Chloromethane	3.12	50	28930m	0.486	ppbv	
9) Propene	3.00	41	13077	0.291	ppbv	96
11) Trichlorofluoromethane	3.92	101	54244	0.224	ppbv	95
13) Ethanol	3.60	45	20309m	2.087	ppbv	
15) Acetone	3.83	43	116407	1.064	ppbv	98
20) Methylene Chloride	4.32	84	108542	1.409	ppbv	96
26) Hexane	5.66	57	40092	0.337	ppbv #	45
30) Cyclohexane	7.13	84	21022m	0.162	ppbv	
35) Carbon Tetrachloride	6.99	117	13560m	0.068	ppbv	

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

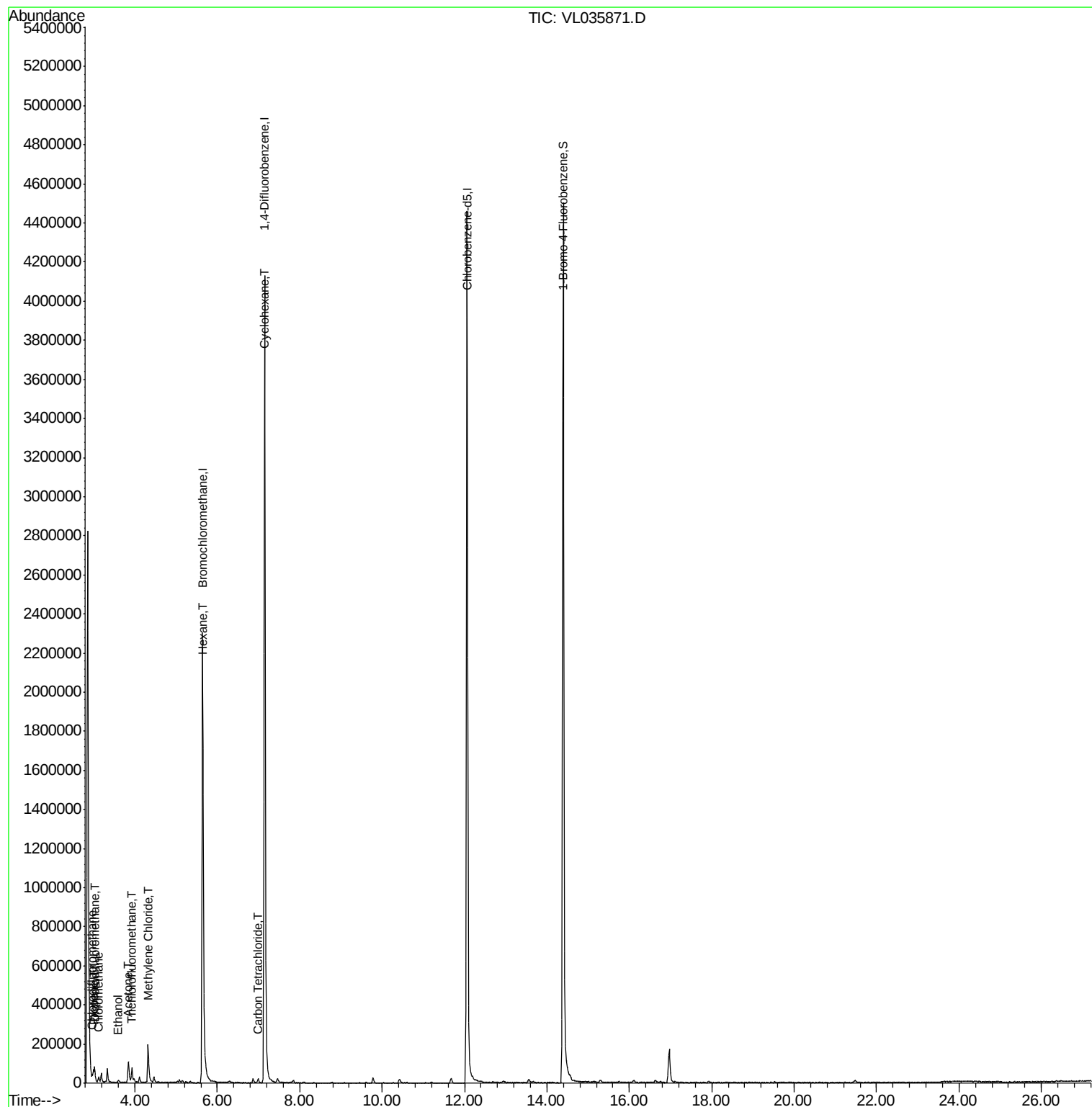
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110520\
Data File : VL035871.D
Acq On : 5 Nov 2020 22:23
Operator : SY/AP
Sample : L4618-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

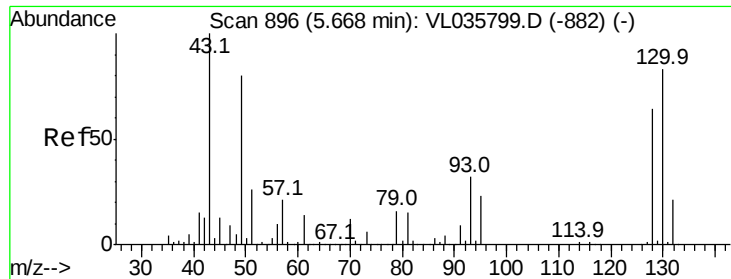
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Manual Integrations
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Quant Time: Nov 06 01:35:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035871.D

Acq: 5 Nov 2020 22:23

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tot Ion: 49 Resp: 1023560

Ion Ratio Lower Upper

49 100

128 79.1 41.5 124.6

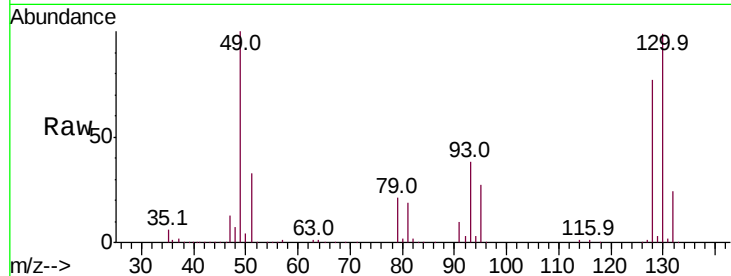
130 101.4 53.7 161.1

Manual Integrations

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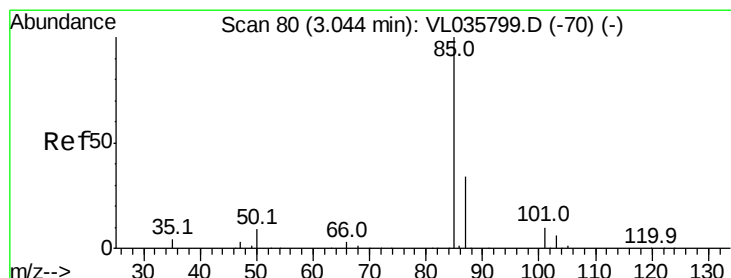
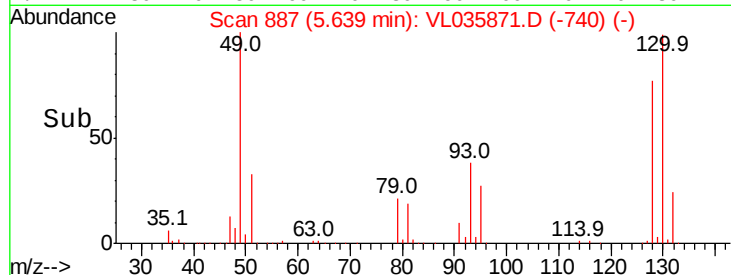
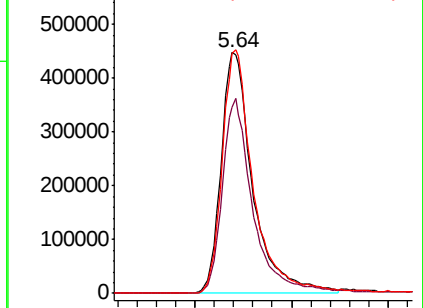
11/9/2020 10:47:36 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.295 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035871.D

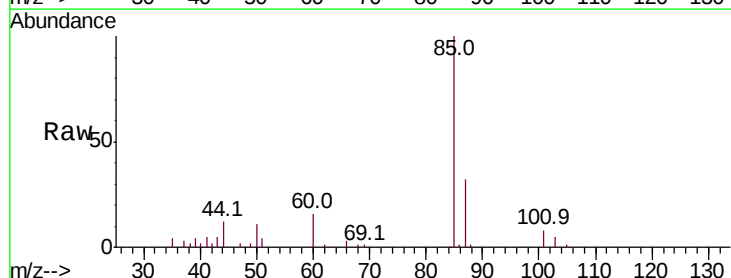
Acq: 5 Nov 2020 22:23

Tgt Ion: 85 Resp: 56799

Ion Ratio Lower Upper

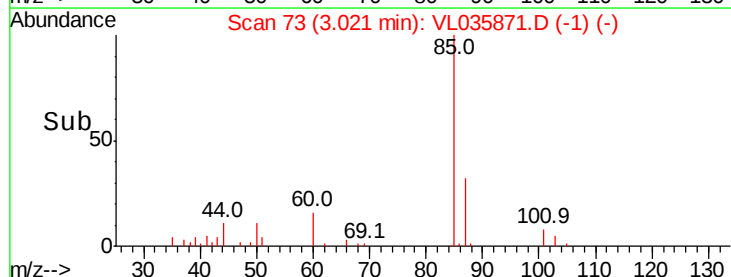
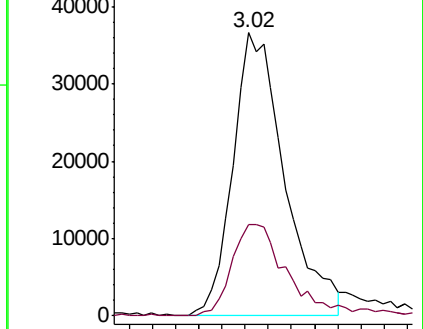
85 100

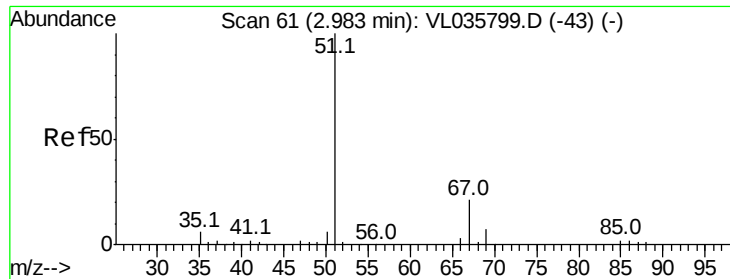
87 32.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.322 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035871.D

Acq: 5 Nov 2020 22:23

Instrument :

MSVOA_L

ClientSampled :

AA-1

Tot Ion: 51 Resp: 39488

Ion Ratio Lower Upper

51 100

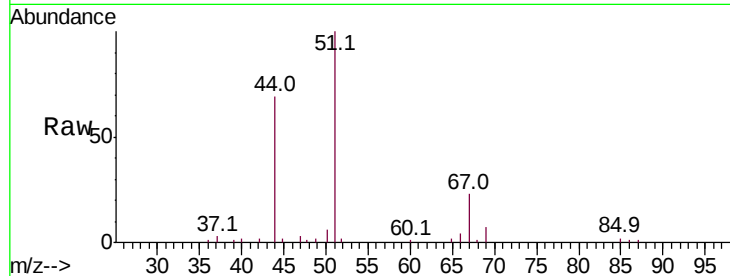
67 19.5 17.0 25.4

Manual Integrations

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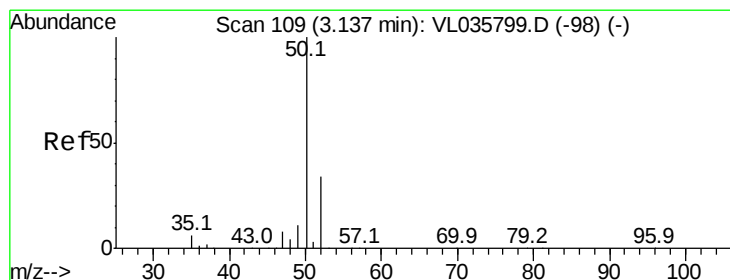
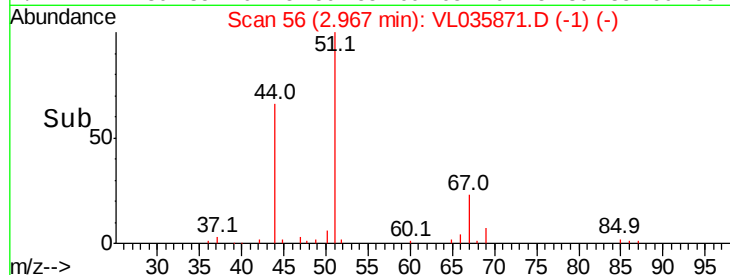
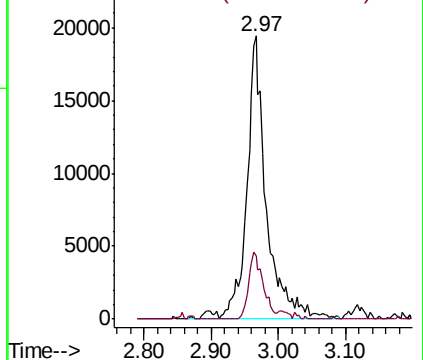
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.486 ppbv m

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035871.D

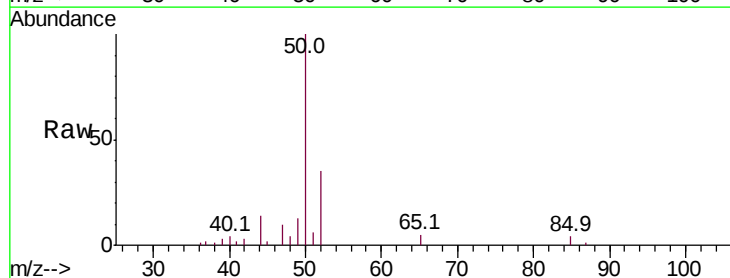
Acq: 5 Nov 2020 22:23

Tgt Ion: 50 Resp: 28930

Ion Ratio Lower Upper

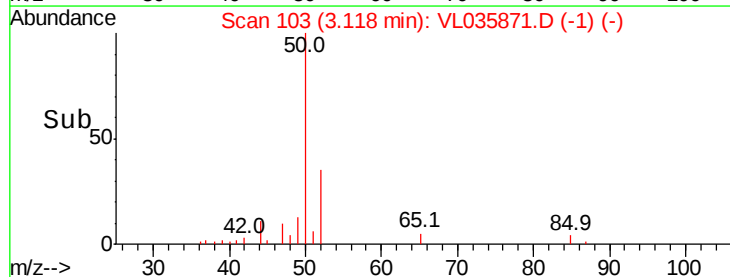
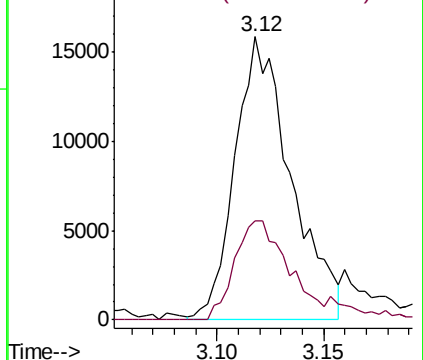
50 100

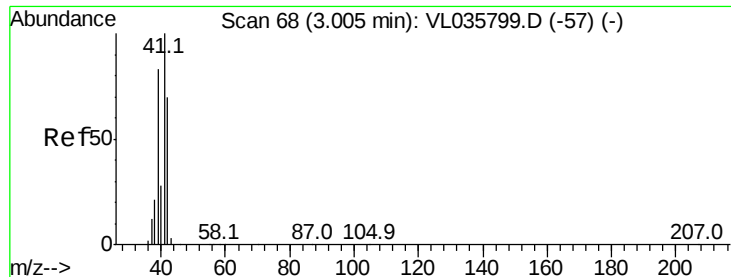
52 34.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.291 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035871.D

Acq: 5 Nov 2020 22:23

Instrument :

MSVOA_L

ClientSampled :

AA-1

Tot Ion: 41 Resp: 13077

Ion Ratio Lower Upper

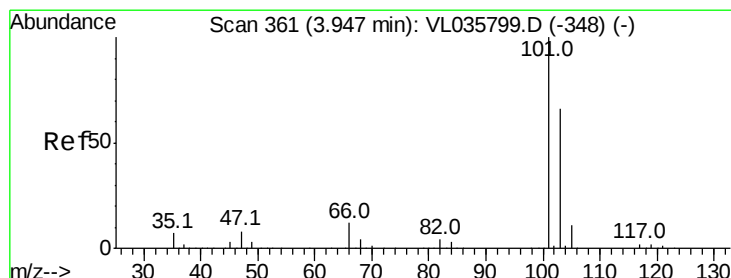
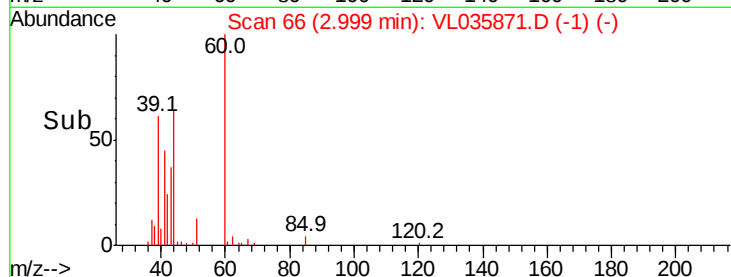
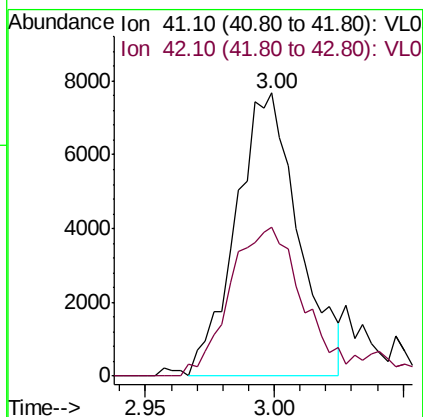
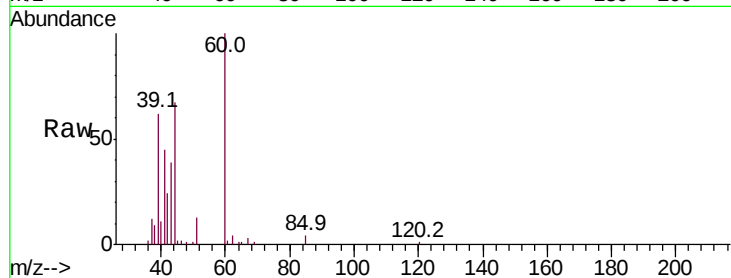
41 100

42 67.2 56.2 84.4

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#11

Trichlorofluoromethane

Concen: 0.224 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL035871.D

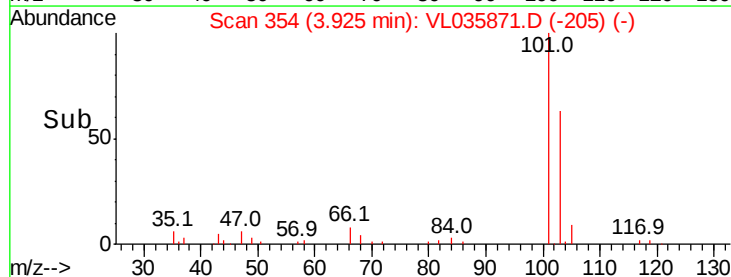
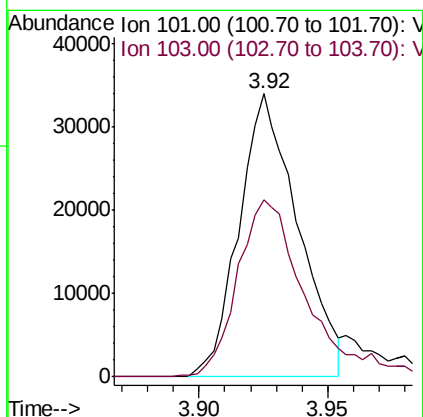
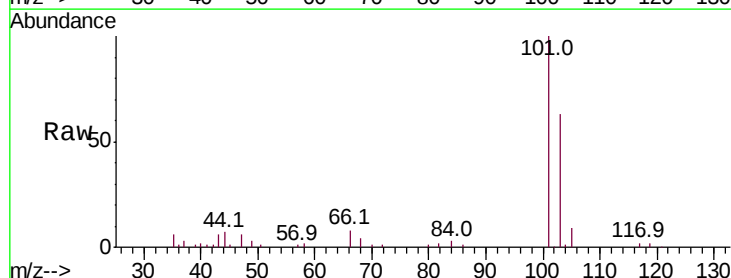
Acq: 5 Nov 2020 22:23

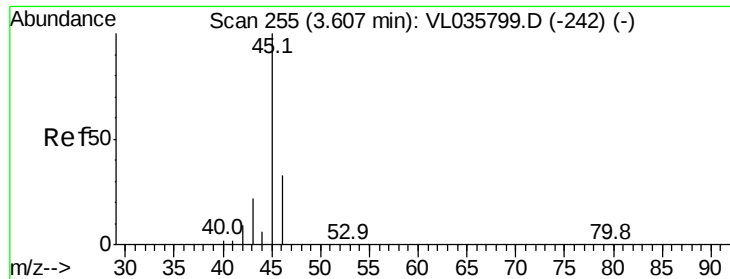
Tgt Ion: 101 Resp: 54244

Ion Ratio Lower Upper

101 100

103 62.1 53.0 79.4





#13

Ethanol

Concen: 2.087 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035871.D

Acq: 5 Nov 2020 22:23

Instrument :

MSVOA_L

ClientSampled :

AA-1

Tot Ion: 45 Resp: 20309

Ion Ratio Lower Upper

45 100

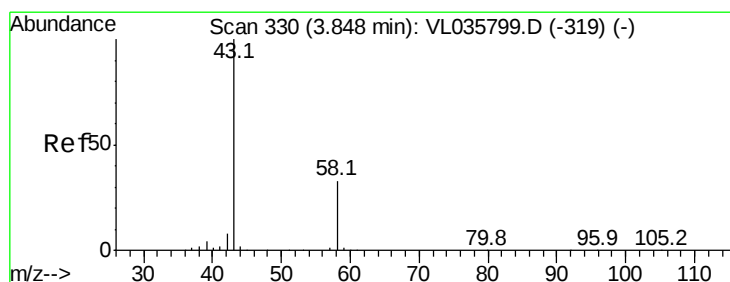
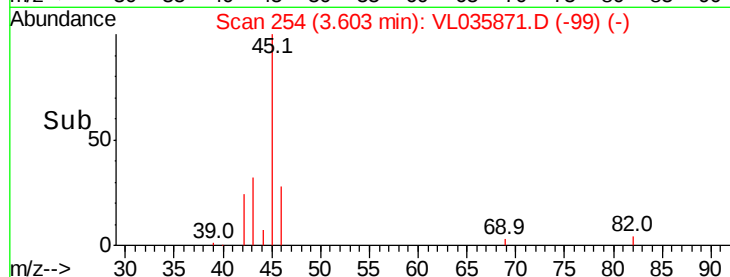
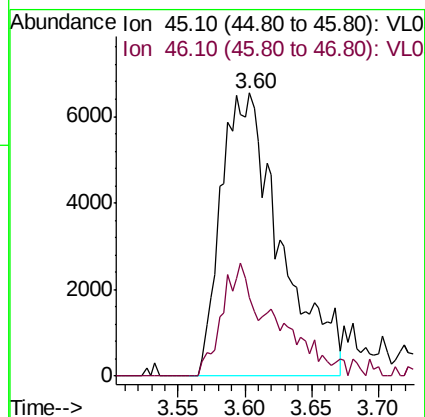
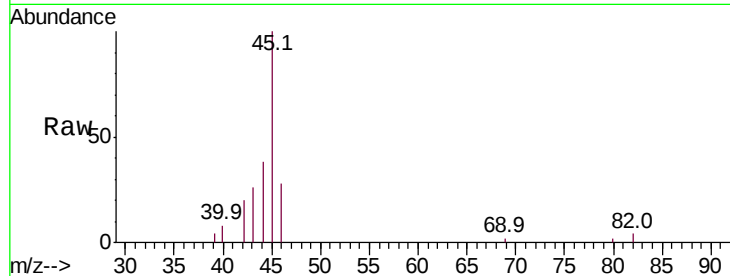
46 37.3 16.1 64.5

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#15

Acetone

Concen: 1.064 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL035871.D

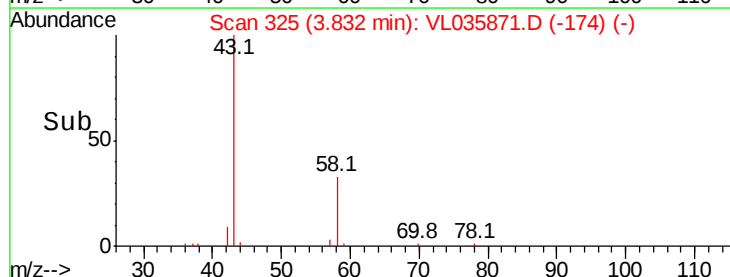
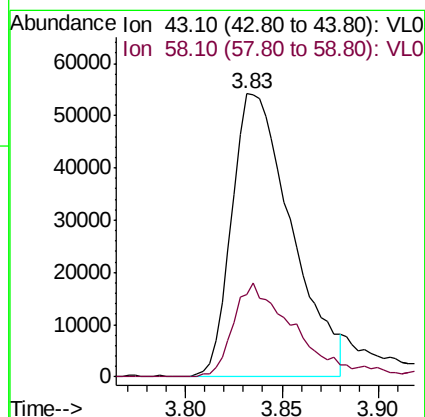
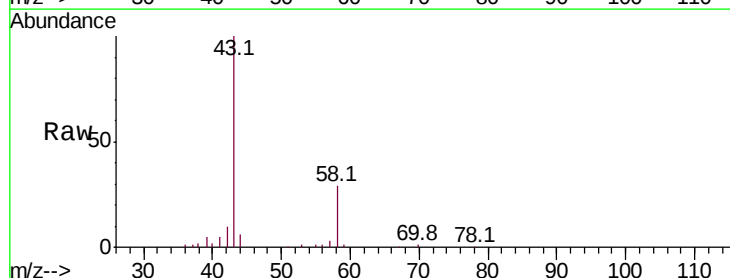
Acq: 5 Nov 2020 22:23

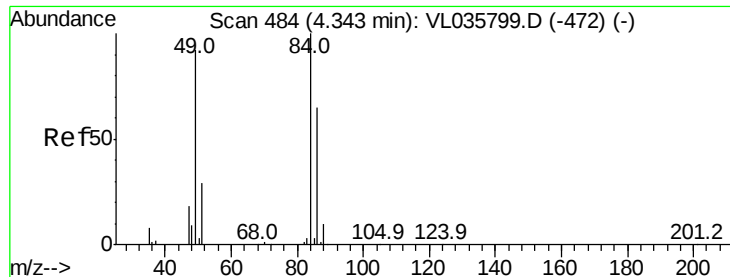
Tgt Ion: 43 Resp: 116407

Ion Ratio Lower Upper

43 100

58 35.4 27.5 41.3





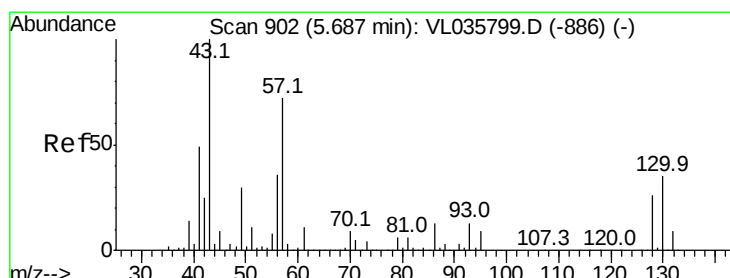
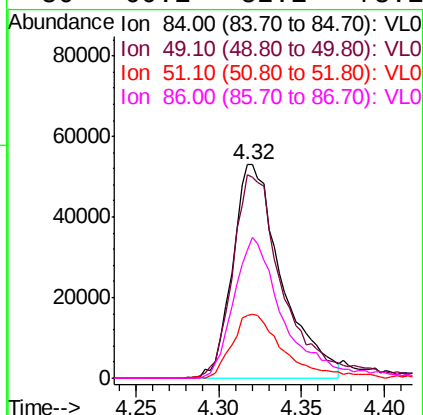
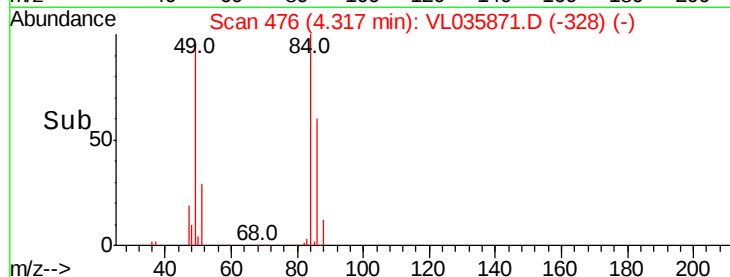
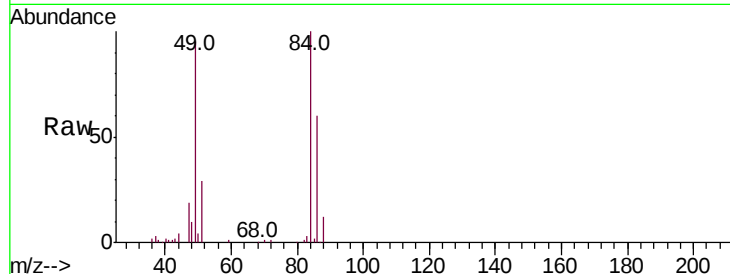
#20
Methvlene Chloride
Concen: 1.409 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035871.D
Acq: 5 Nov 2020 22:23

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tot Ion	Ratio	Lower	Upper
84	100		
49	95.1	73.8	110.8
51	29.1	23.0	34.4
86	60.1	52.1	78.1

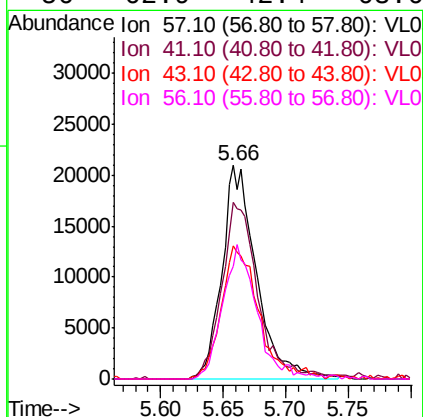
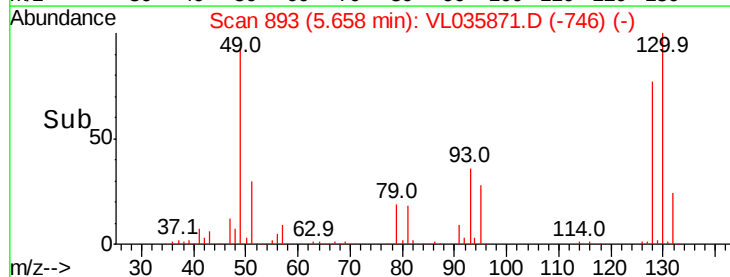
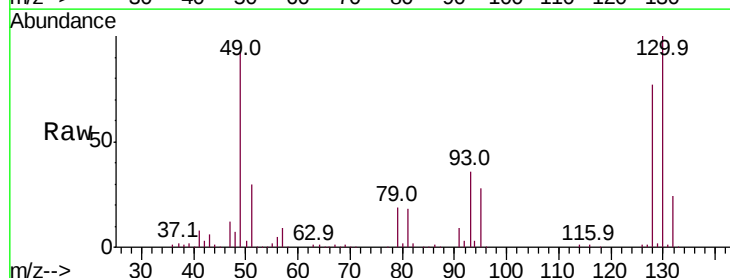
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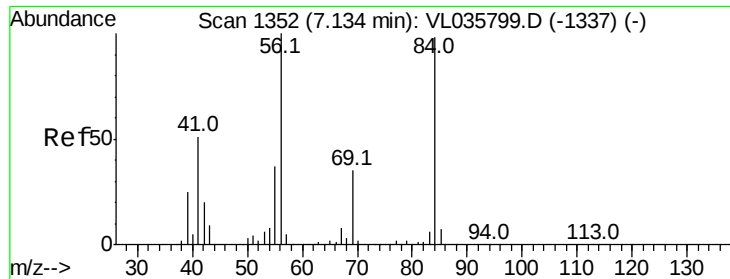
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#26
Hexane
Concen: 0.337 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035871.D
Acq: 5 Nov 2020 22:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.1	58.9	88.3
43	68.1	150.2	225.2#
56	62.9	42.4	63.6





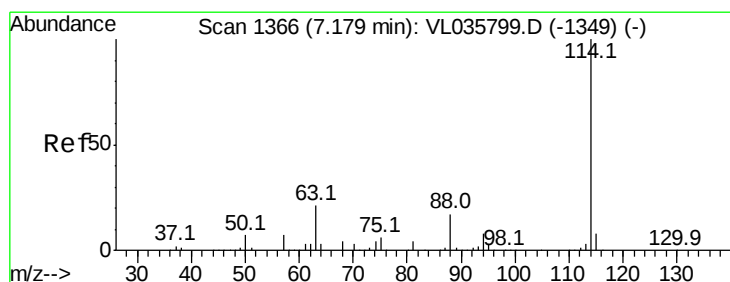
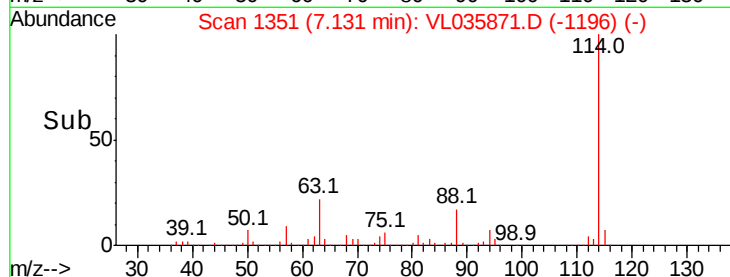
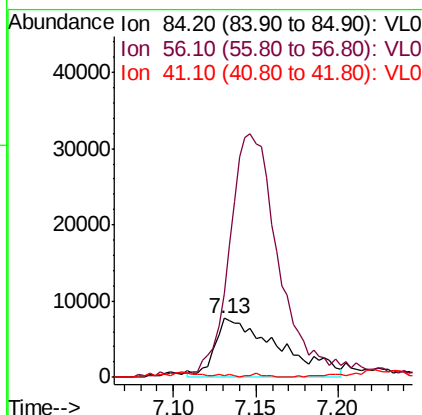
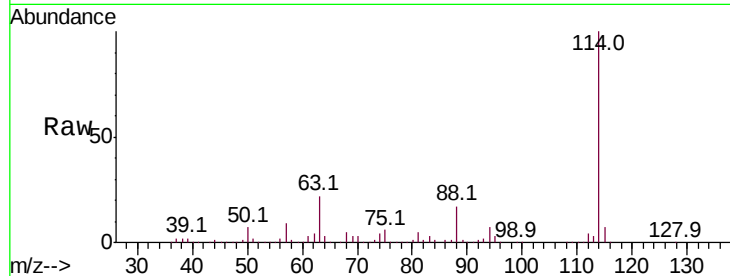
#30
Cyclohexane
Concen: 0.162 ppbv m
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035871.D
Acq: 5 Nov 2020 22:23

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	0.0	42.1	63.1#

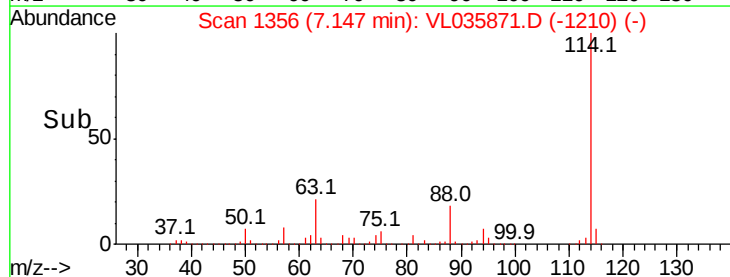
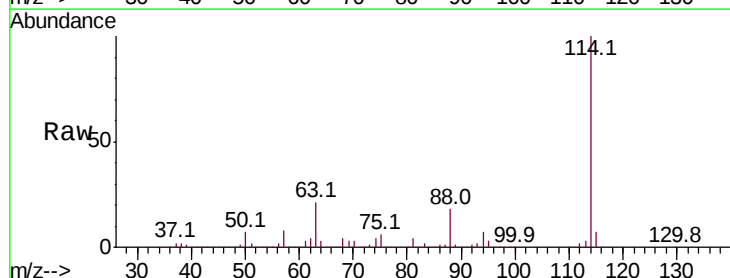
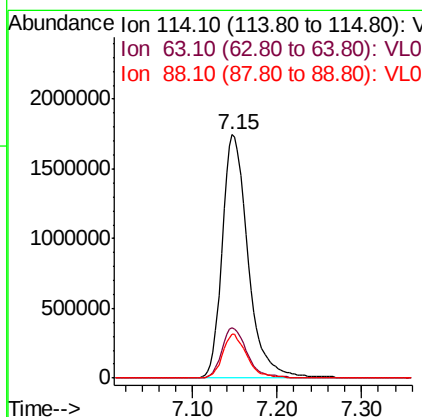
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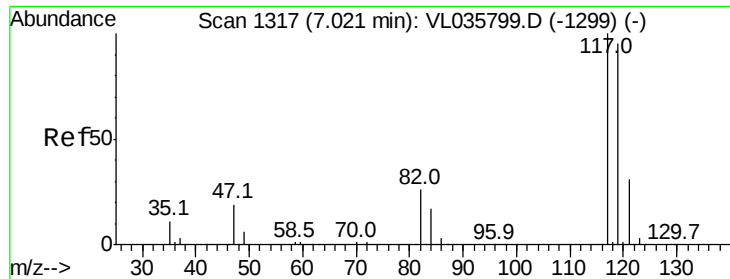
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL035871.D
Acq: 5 Nov 2020 22:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	17.3	13.7	20.5





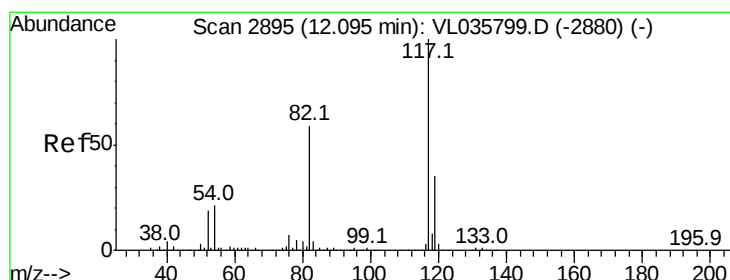
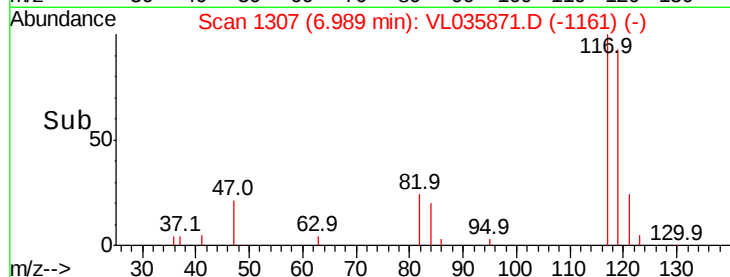
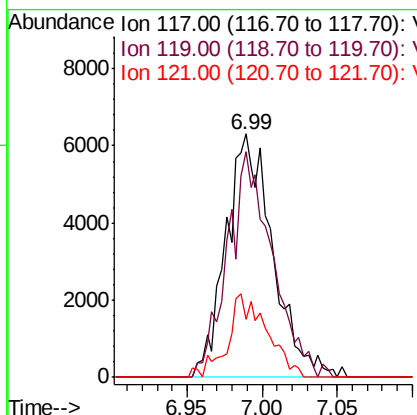
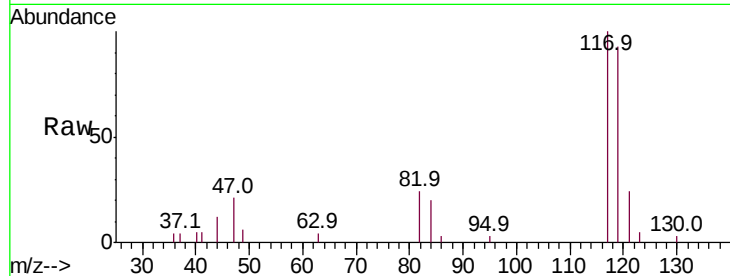
#35
 Carbon Tetrachloride
 Concen: 0.068 ppbv m
 RT: 6.99 min Scan# 1307
 Delta R.T. -0.03 min
 Lab File: VL035871.D
 Acq: 5 Nov 2020 22:23

Instrument :
 MSVOA_L
 ClientSampled :
 AA-1

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.6	113.4
121	24.0	25.1	37.7#

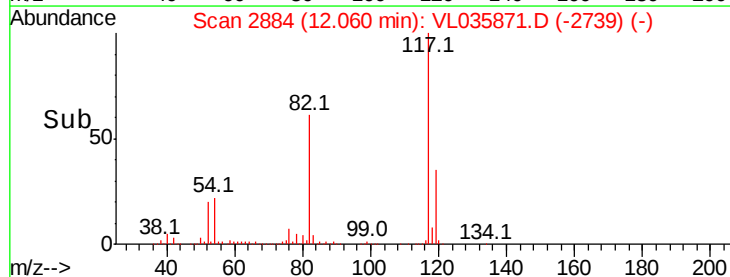
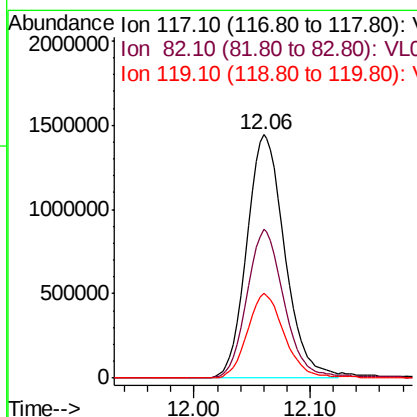
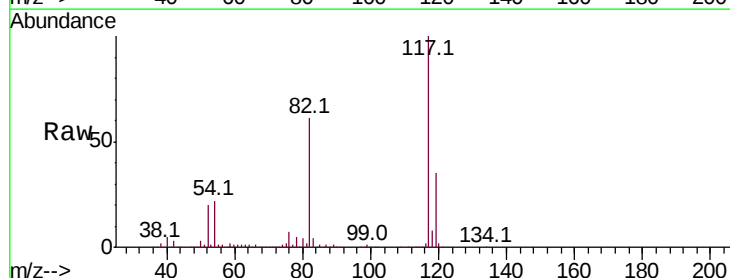
Manual Integrations
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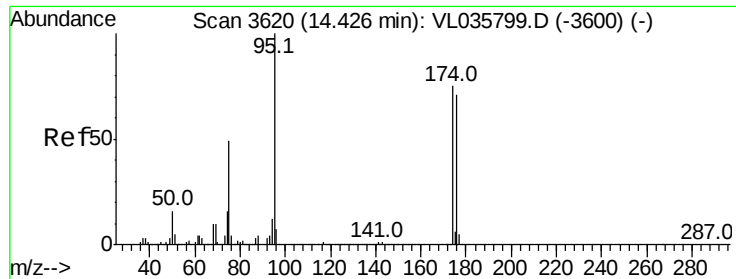
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.04 min
 Lab File: VL035871.D
 Acq: 5 Nov 2020 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	34.3	52.6	78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.307 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.03 min
 Lab File: VL035871.D
 Acq: 5 Nov 2020 22:23

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.1	59.8	89.6
175	5.2	4.3	6.5

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:47:36 AM

