

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035028.D
 Acq On : 14 May 2020 20:18
 Operator : SY/AP
 Sample : L2566-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5DL

Manual Integrations
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 5/18/2020 1:35:05 PM

Quant Time: May 18 09:44:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1194162	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2837815	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2732464	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2296745	10.38	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.56	45	191170	9.792	ppbv	100
15) Acetone	3.82	43	217594	1.378	ppbv	99
17) tert-Butyl alcohol	4.28	59	29555	0.210	ppbv #	88
19) Isopropyl Alcohol	3.94	45	124181	1.179	ppbv #	98
20) Methylene Chloride	4.31	84	37223	0.712	ppbv	94
26) Hexane	5.67	57	29593	0.257	ppbv #	57
38) Trichloroethene	7.83	130	66576	0.735	ppbv	94
44) 2,2,4-Trimethylpentane	7.87	57	83589m	0.201	ppbv	
52) Tetrachloroethene	11.24	164	553694	6.655	ppbv	97
53) Toluene	9.82	91	202283	0.816	ppbv	100
59) m/p-Xylene	12.99	91	93705m	0.315	ppbv	
61) Styrene	13.55	104	61622	0.332	ppbv	96
62) Isopropylbenzene	14.69	105	687510	1.570	ppbv	98

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

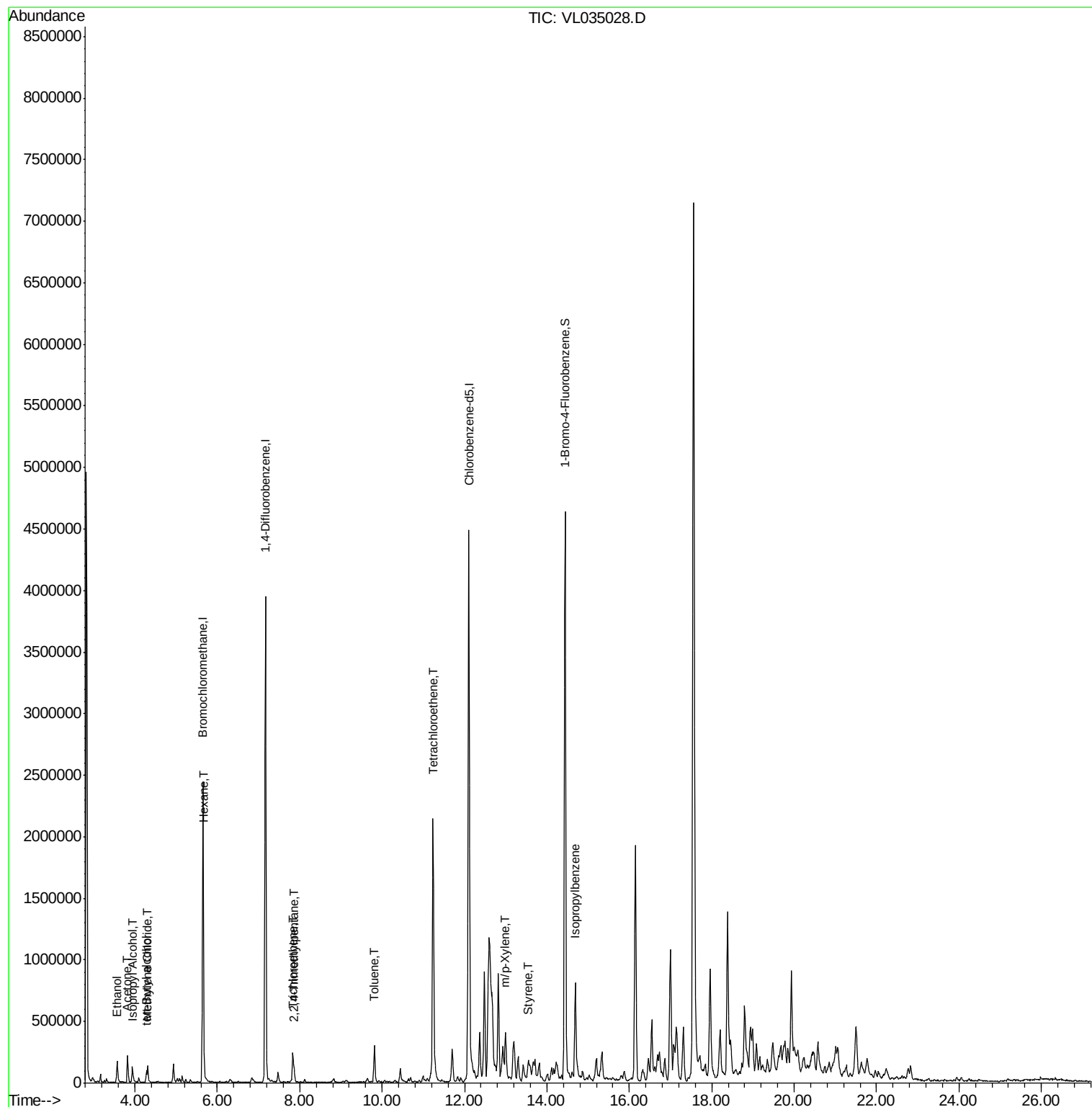
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035028.D
Acq On : 14 May 2020 20:18
Operator : SY/AP
Sample : L2566-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

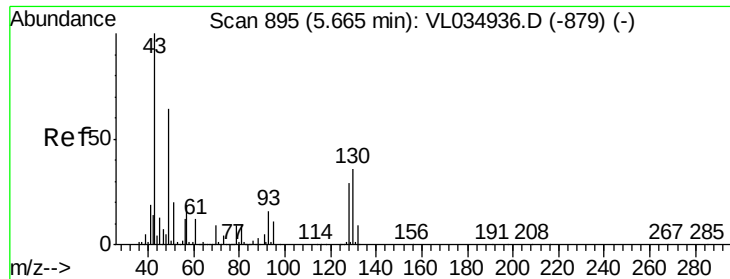
Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Manual Integrations
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Quant Time: May 18 09:44:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035028.D

Acq: 14 May 2020 20:18

Instrument :

MSVOA_L

ClientSampled :

SG-5DL

Tot Ion: 49 Resp: 1194162

Ion Ratio Lower Upper

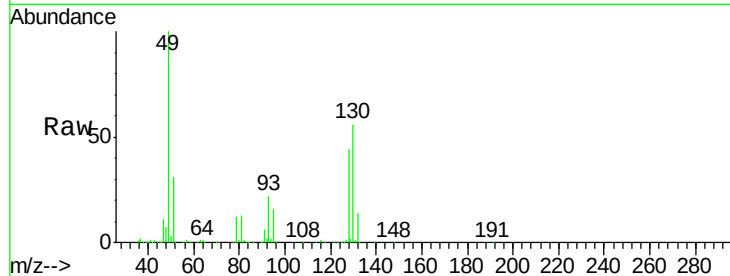
49 100

128 46.0 22.1 66.5

130 58.6 29.1 87.3

Manual Integrations
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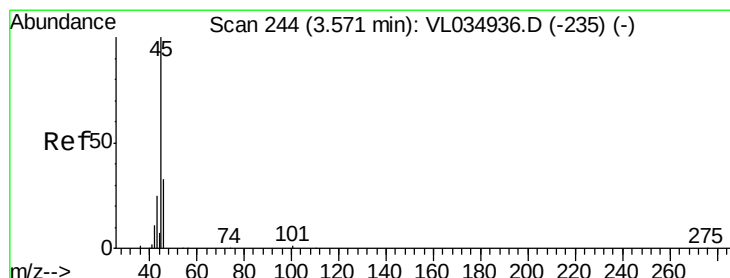
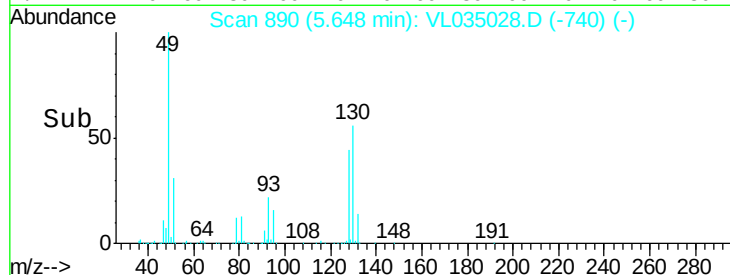
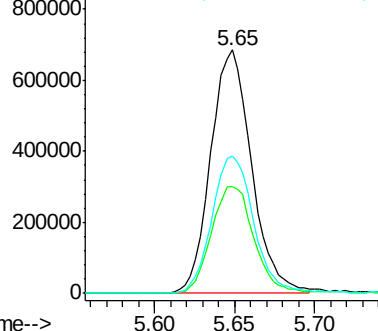
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 9.792 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035028.D

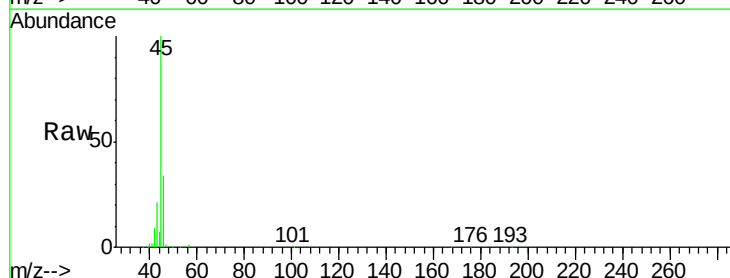
Acq: 14 May 2020 20:18

Tgt Ion: 45 Resp: 191170

Ion Ratio Lower Upper

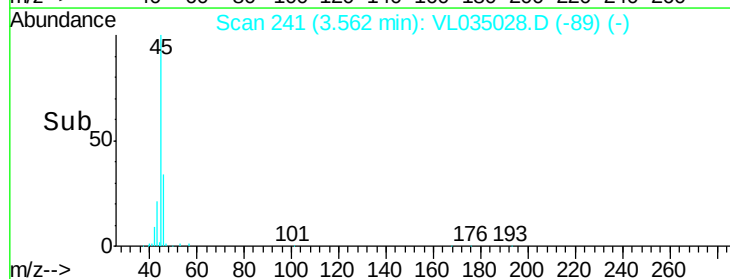
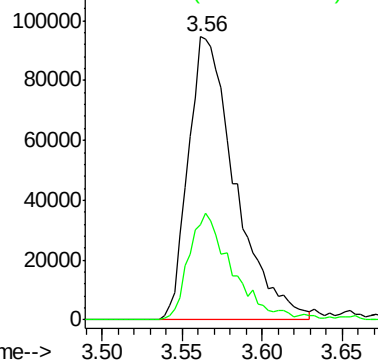
45 100

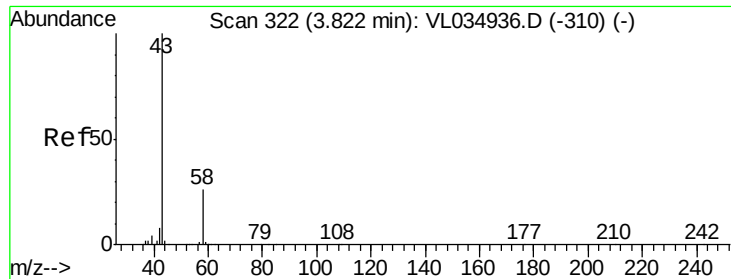
46 36.0 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.378 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035028.D

Acq: 14 May 2020 20:18

Instrument :

MSVOA_L

ClientSampled :

SG-5DL

Tot Ion: 43 Resp: 217594

Ion Ratio Lower Upper

43 100

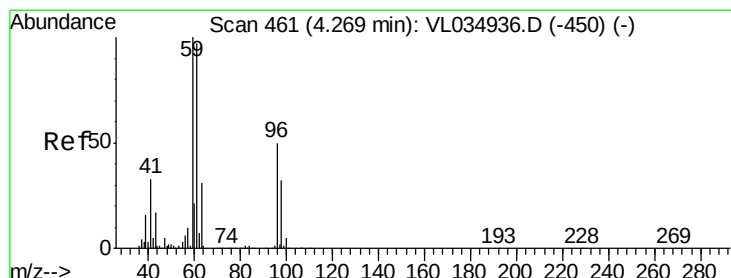
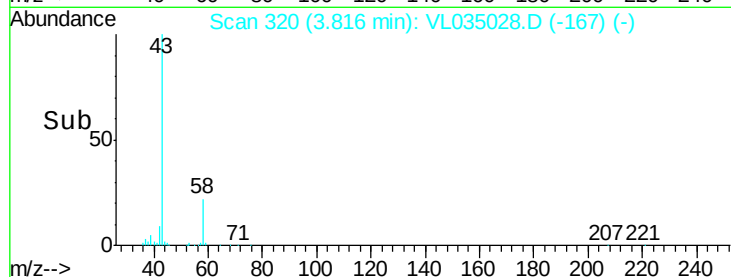
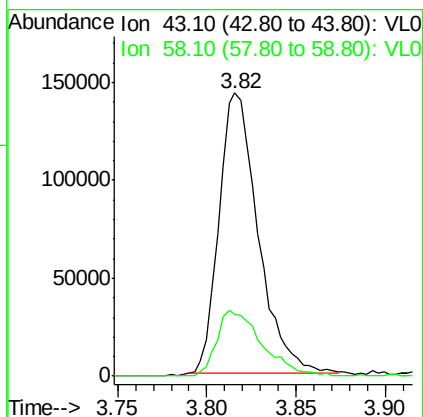
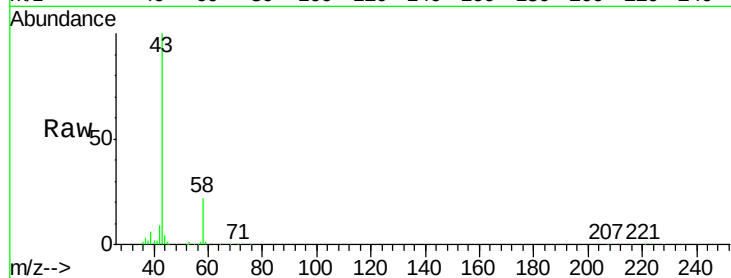
58 27.5 21.7 32.5

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#17

tert-Butyl alcohol

Concen: 0.210 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL035028.D

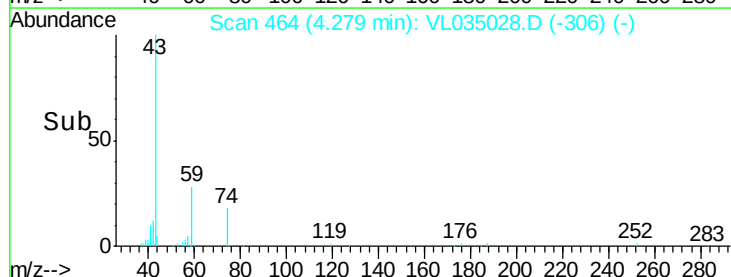
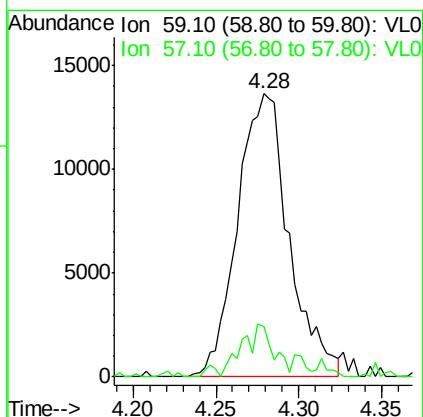
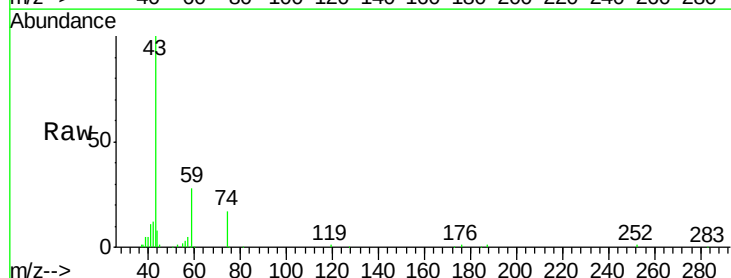
Acq: 14 May 2020 20:18

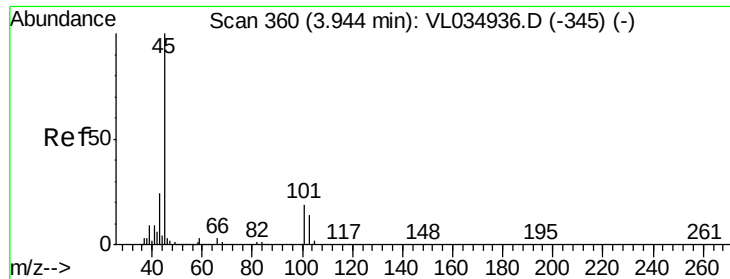
Tgt Ion: 59 Resp: 29555

Ion Ratio Lower Upper

59 100

57 15.3 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 1.179 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL035028.D

Acq: 14 May 2020 20:18

Instrument :

MSVOA_L

ClientSampleId :

SG-5DL

Tot Ion: 45 Resp: 124181

Ion Ratio Lower Upper

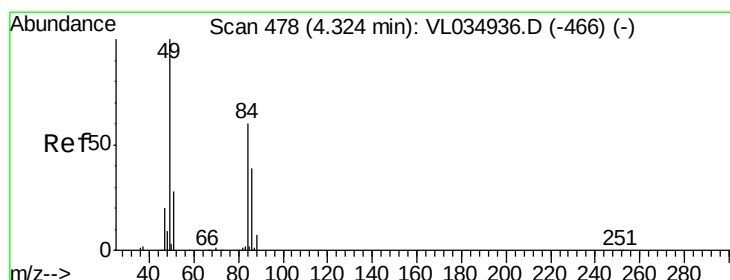
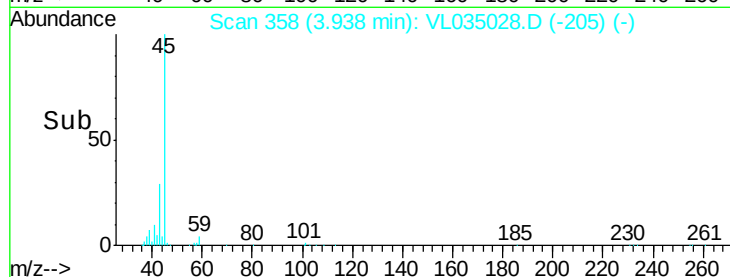
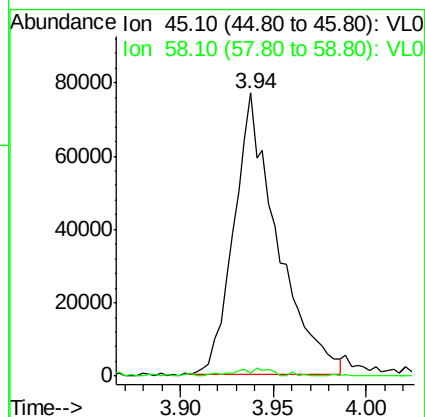
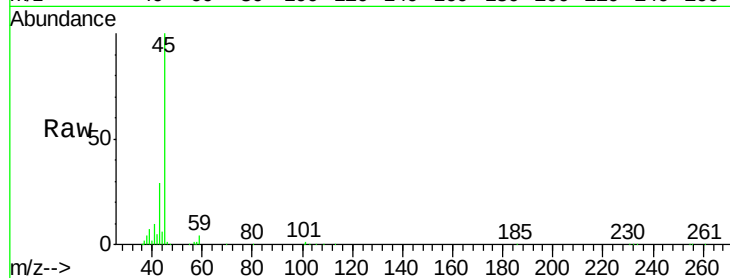
45 100

58 2.9 1.7 2.5#

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#20

Methylene Chloride

Concen: 0.712 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL035028.D

Acq: 14 May 2020 20:18

Tgt Ion: 84 Resp: 37223

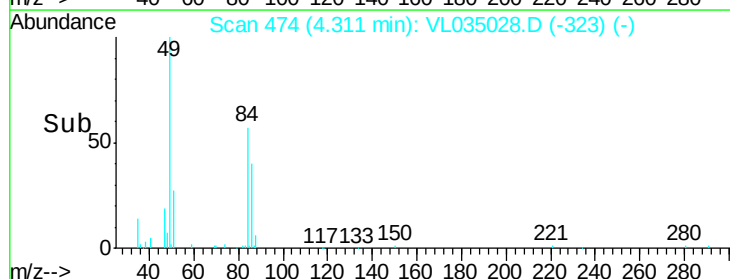
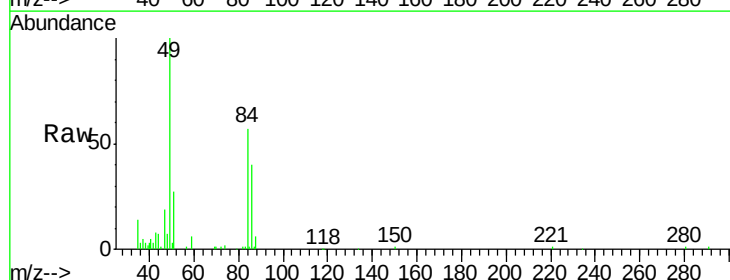
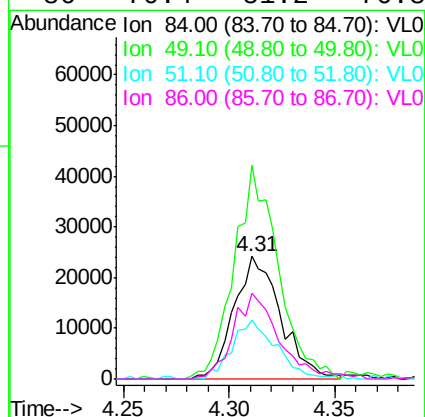
Ion Ratio Lower Upper

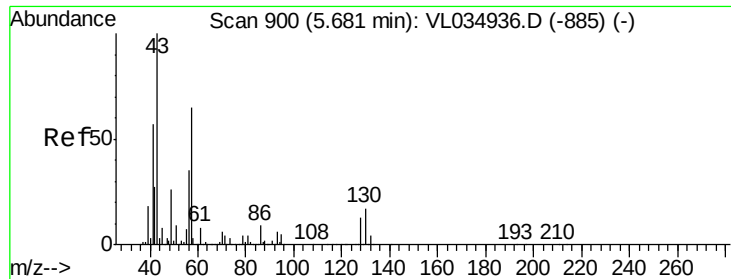
84 100

49 174.3 132.5 198.7

51 47.6 38.4 57.6

86 70.4 51.2 76.8





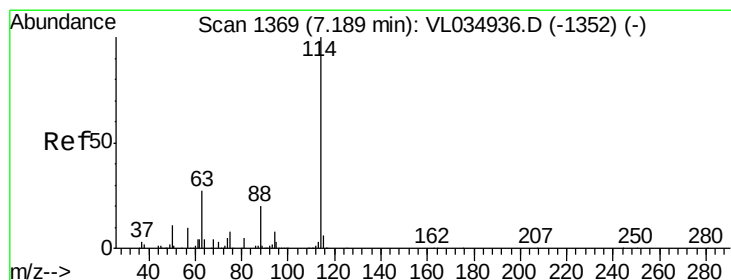
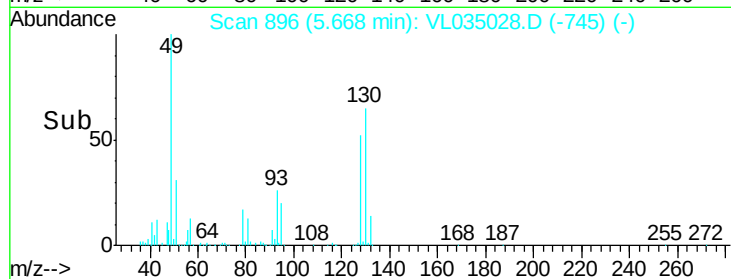
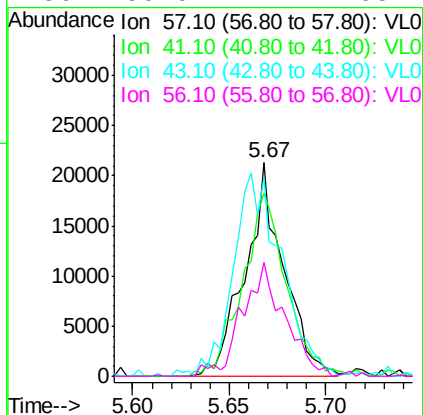
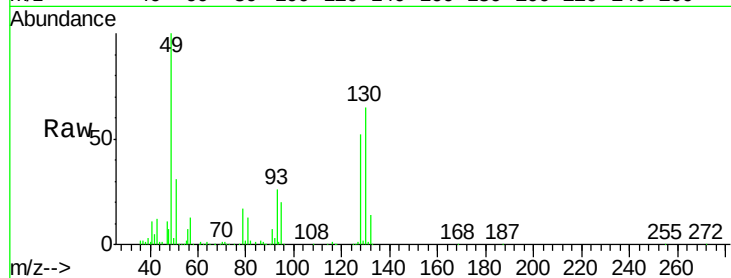
#26
Hexane
Concen: 0.257 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035028.D
Acq: 14 May 2020 20:18

Instrument :
MSVOA_L
ClientSampled :
SG-5DL

Tot Ion	57	Resp	29593
Ion	Ratio	Lower	Upper
57	100		
41	98.7	72.7	109.1
43	119.9	182.1	273.1#
56	59.0	42.2	63.2

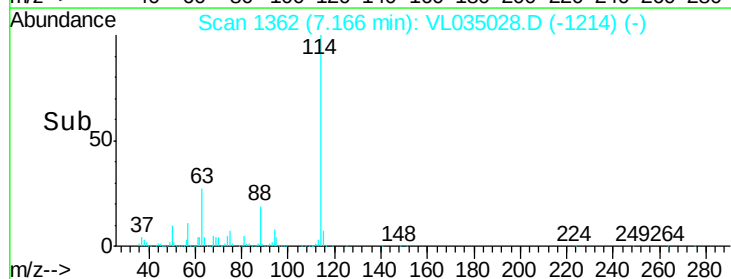
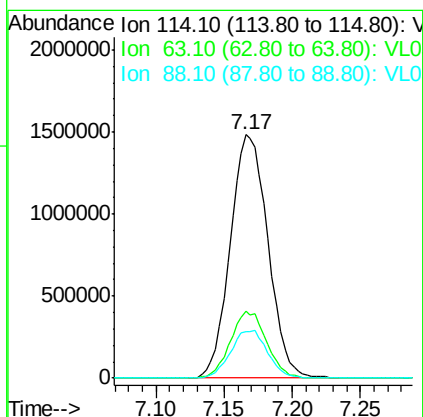
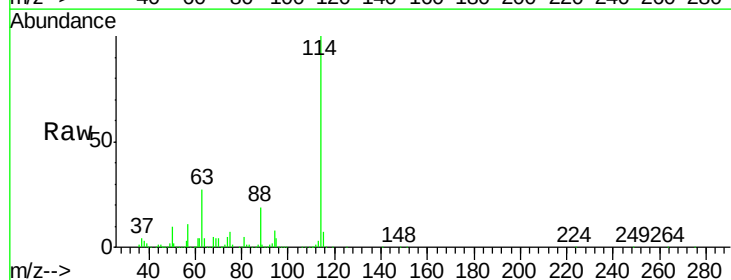
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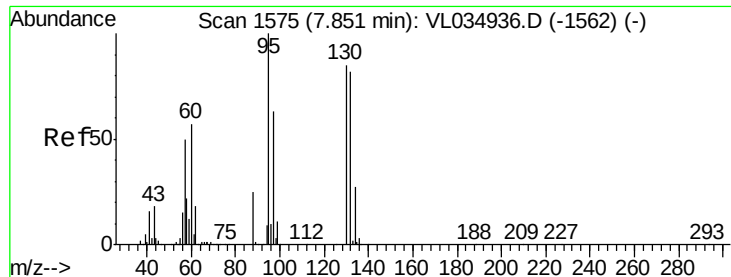
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035028.D
Acq: 14 May 2020 20:18

Tgt Ion	114	Resp	2837815
Ion	Ratio	Lower	Upper
114	100		
63	26.6	22.2	33.4
88	19.4	15.5	23.3





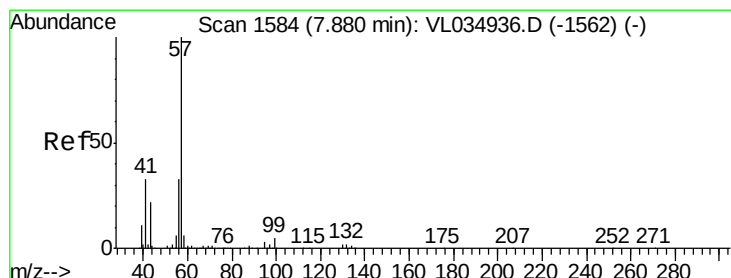
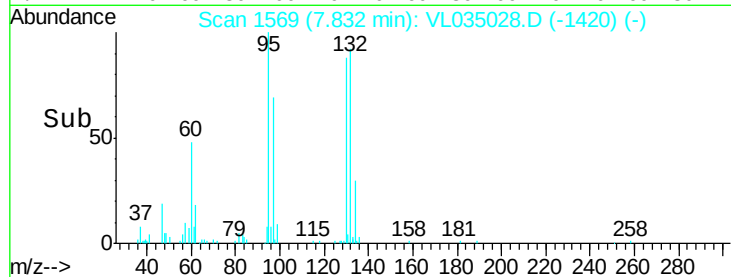
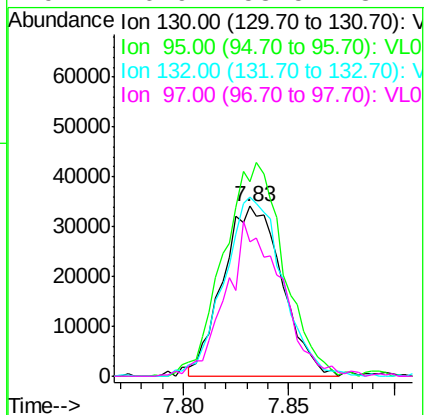
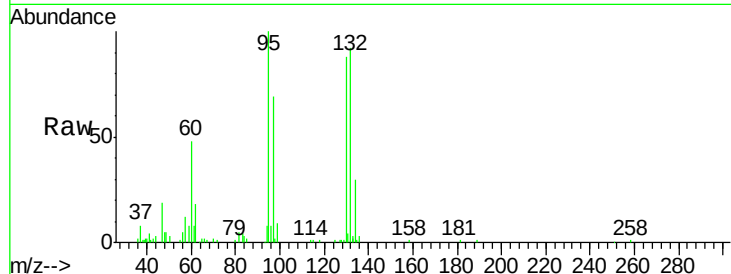
#38
 Trichloroethene
 Concen: 0.735 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035028.D
 Acq: 14 May 2020 20:18

Instrument :
 MSVOA_L
 ClientSampled :
 SG-5DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		66576		
95	113.4		93.4	140.0	
132	105.6		76.4	114.6	
97	76.9		58.5	87.7	

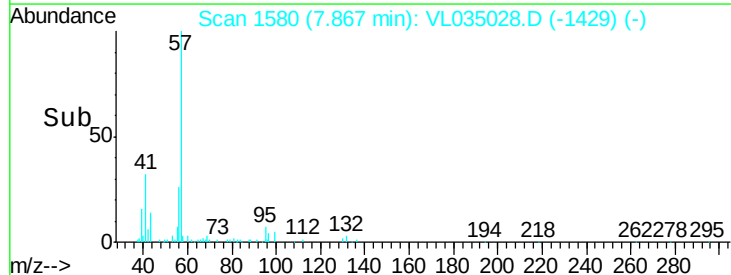
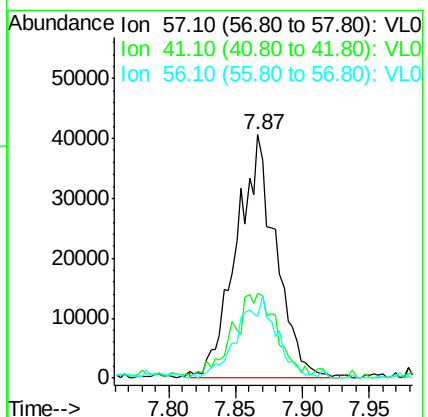
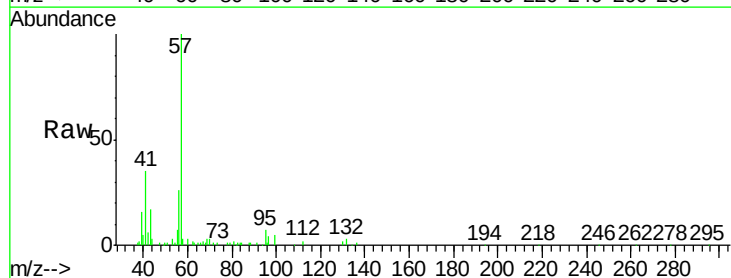
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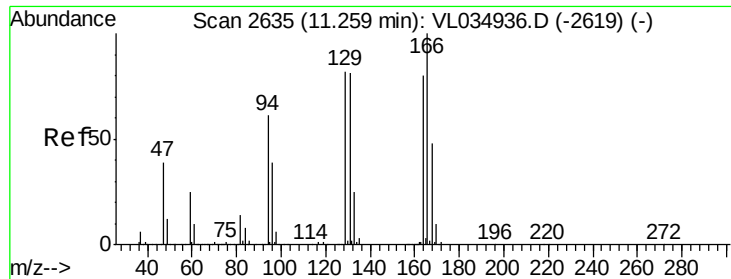
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#44
 2,2,4-Trimethylpentane
 Concen: 0.201 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL035028.D
 Acq: 14 May 2020 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		83589		
41	41.3		26.4	39.6#	
56	34.1		25.5	38.3	





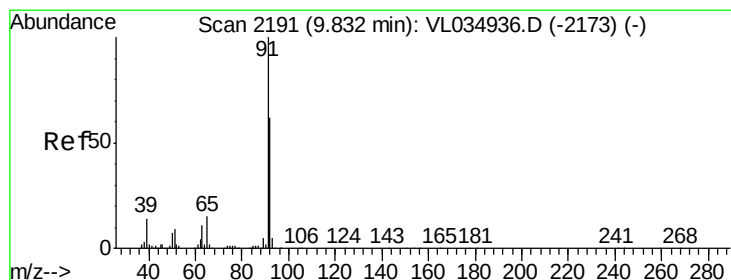
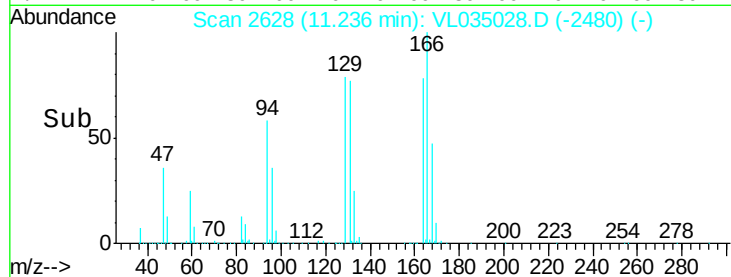
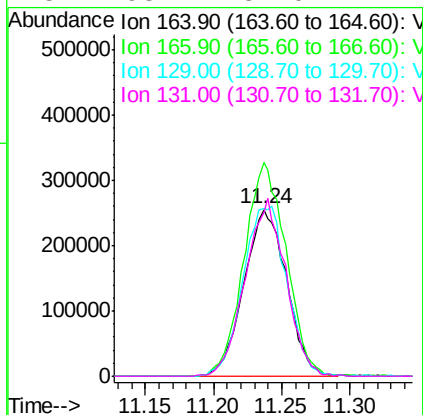
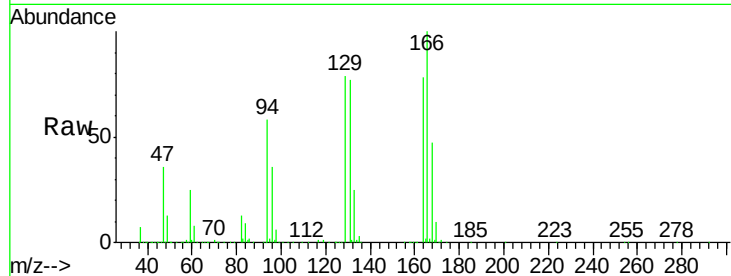
#52
Tetrachloroethene
Concen: 6.655 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.02 min
Lab File: VL035028.D
Acq: 14 May 2020 20:18

Instrument :
MSVOA_L
ClientSampled :
SG-5DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	100.7	151.1
129	100.8	83.0	124.4
131	98.1	81.0	121.4

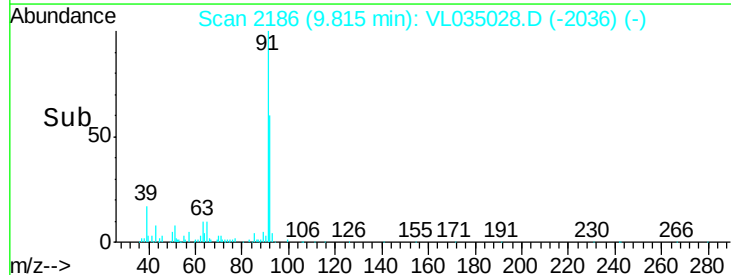
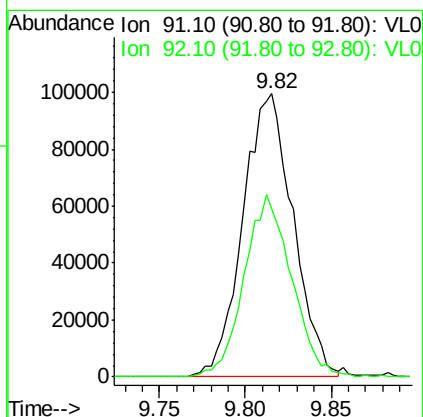
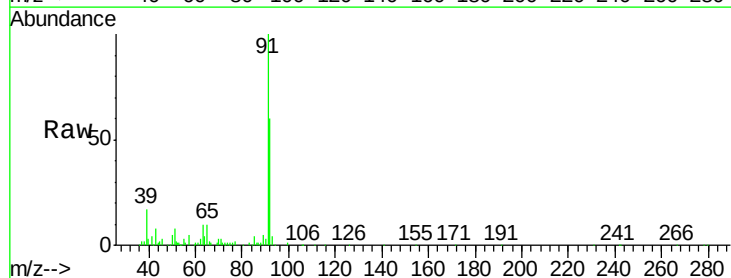
Manual Integrations
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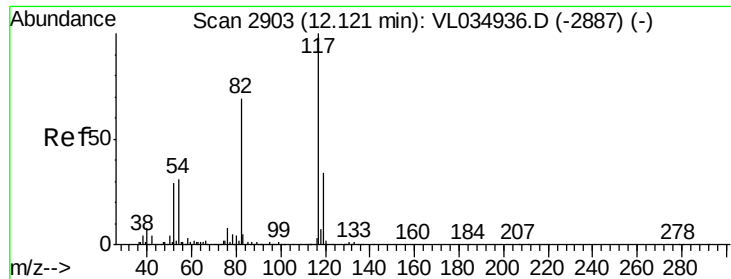
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#53
Toluene
Concen: 0.816 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.02 min
Lab File: VL035028.D
Acq: 14 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.6	73.0





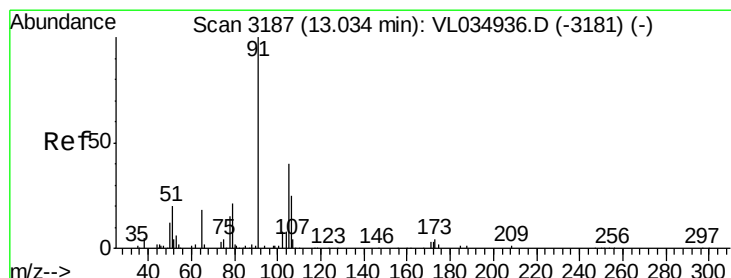
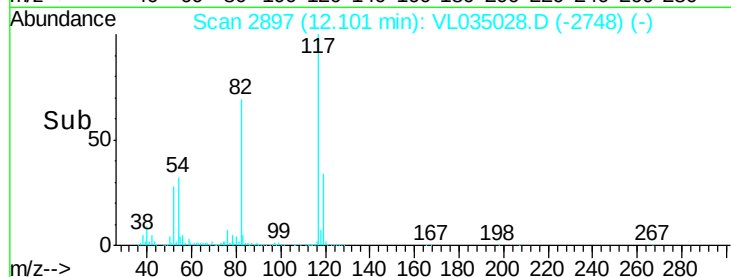
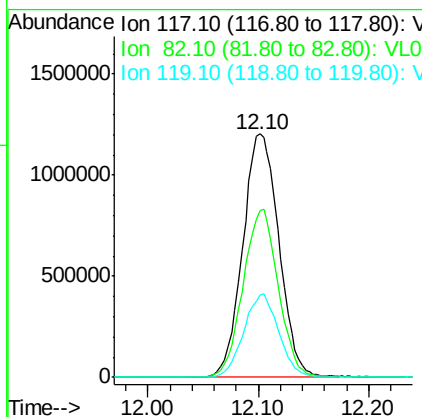
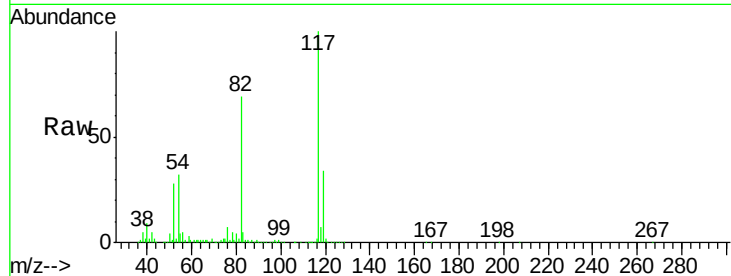
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035028.D
Acq: 14 May 2020 20:18

Instrument :
MSVOA_L
ClientSampled :
SG-5DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.9	53.1	79.7
119	33.2	26.7	40.1

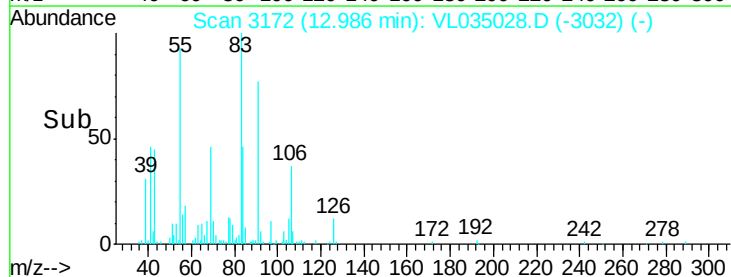
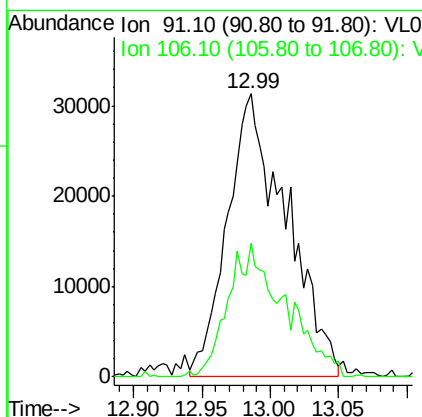
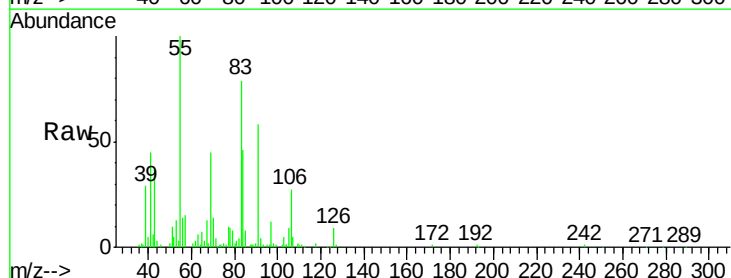
Manual Integrations
APPROVED

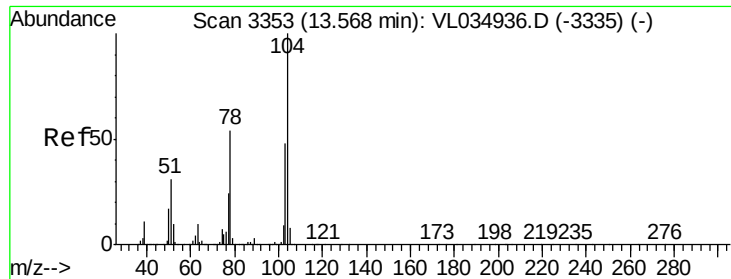
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#59
m/p-Xylene
Concen: 0.315 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.05 min
Lab File: VL035028.D
Acq: 14 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#





#61

Stvrene

Concen: 0.332 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VL035028.D

Acq: 14 May 2020 20:18

Instrument :

MSVOA_L

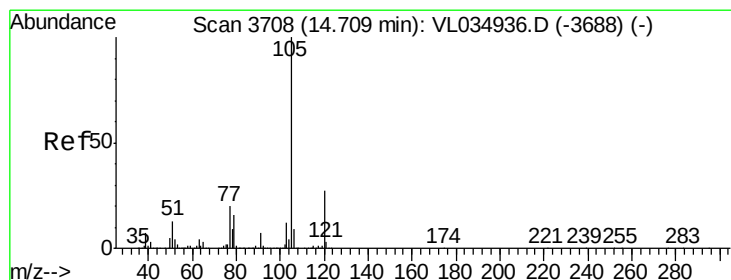
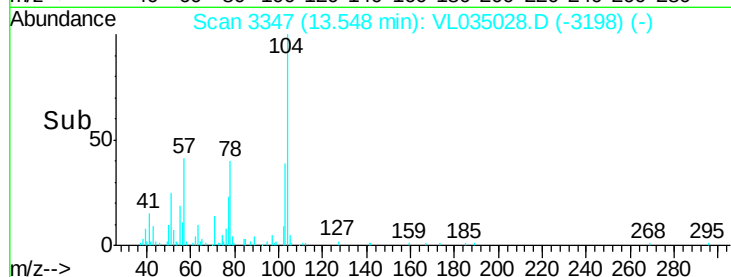
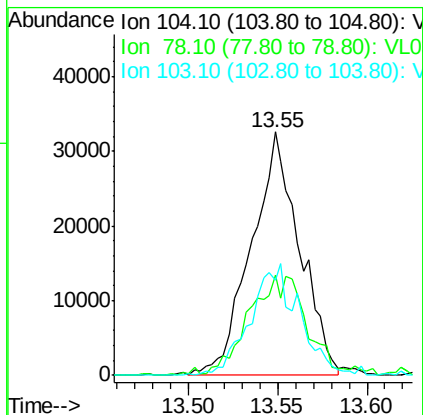
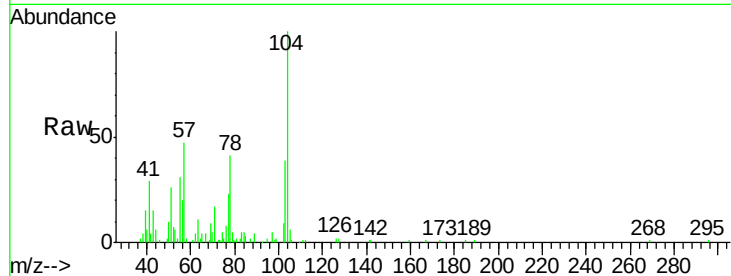
ClientSampleId :

SG-5DL

Tot Ion:	104	Resp:	61622
Ion Ratio	Lower	Upper	
104	100		
78	51.4	43.7	65.5
103	46.7	38.8	58.2

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:35:05 PM



#62

Isopropylbenzene

Concen: 1.570 ppbv

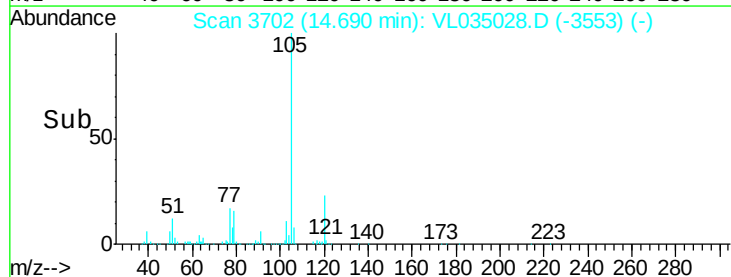
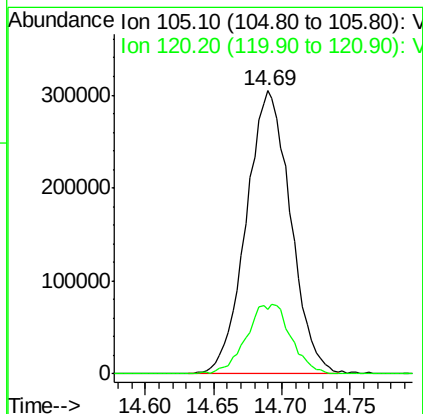
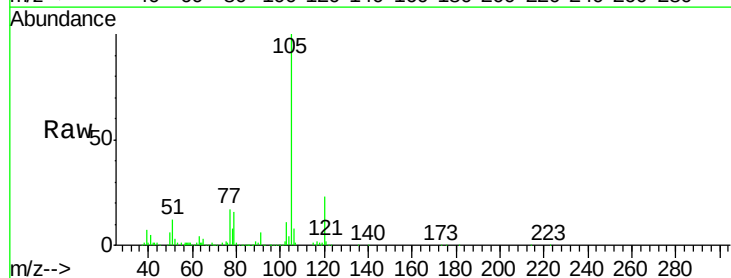
RT: 14.69 min Scan# 3702

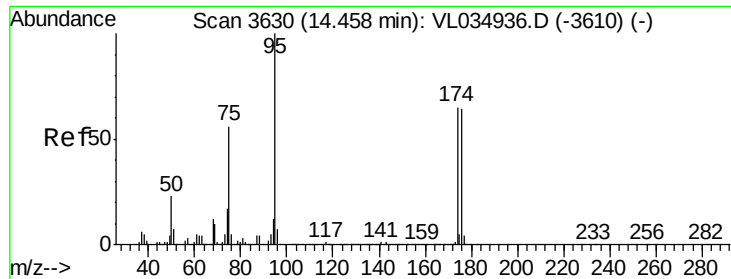
Delta R.T. -0.02 min

Lab File: VL035028.D

Acq: 14 May 2020 20:18

Tgt Ion:	105	Resp:	687510
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.6	31.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.384 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VL035028.D
 Acq: 14 May 2020 20:18

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.4	51.5	77.3
175	5.2	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:35:05 PM

