

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034773.D
 Acq On : 3 Mar 2020 21:08
 Operator : SY/AP
 Sample : L1698-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-7-4DL

Manual Integrations
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Quant Time: Mar 04 08:01:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1174066	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2417351	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2427727	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	2070571	10.40	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Trichlorofluoromethane	3.94	101	130408	0.804	ppbv	97
13) Ethanol	3.61	45	4586	0.274	ppbv #	1
15) Acetone	3.85	43	305511	2.284	ppbv	95
20) Methylene Chloride	4.35	84	31492	0.633	ppbv	82
52) Tetrachloroethene	11.28	164	62935	0.822	ppbv	87
53) Toluene	9.86	91	105064m	0.473	ppbv	
59) m/p-Xylene	13.02	91	47010m	0.184	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	37126m	0.124	ppbv	

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

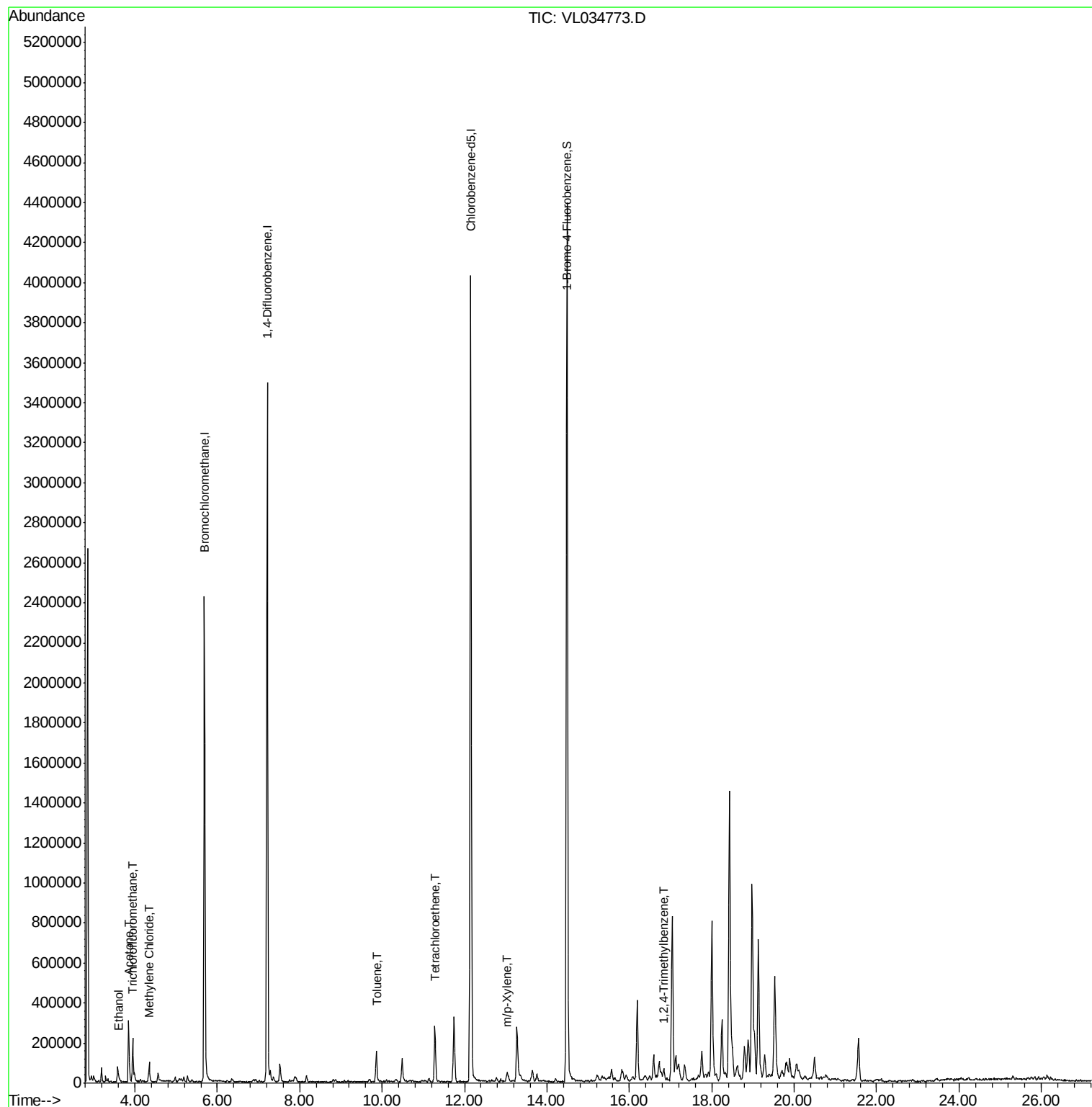
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Data File : VL034773.D
Acq On : 3 Mar 2020 21:08
Operator : SY/AP
Sample : L1698-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

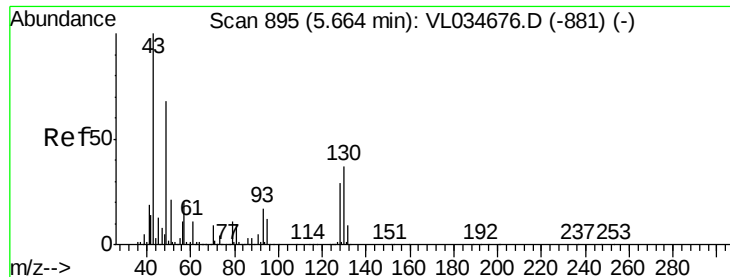
Instrument :
MSVOA_L
ClientSampleId :
SS-7-4DL

Manual Integrations
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Quant Time: Mar 04 08:01:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

Lab File: VL034773.D

Acq: 3 Mar 2020 21:08

Instrument :

MSVOA_L

ClientSampleId :

SS-7-4DL

Tot Ion: 49 Resp: 1174066

Ion Ratio Lower Upper

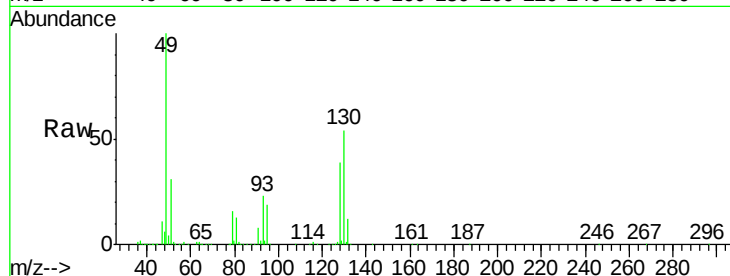
49 100

128 43.9 21.6 65.0

130 55.8 27.7 83.1

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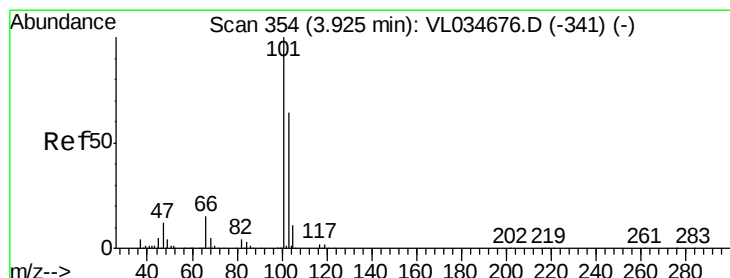
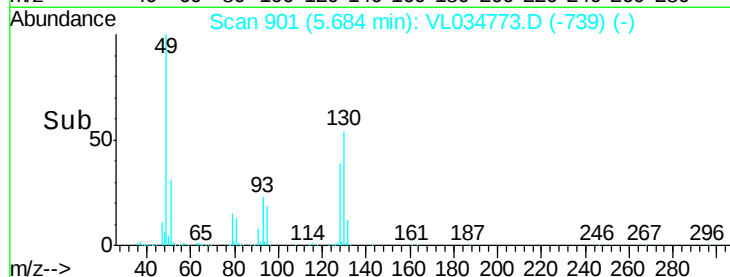
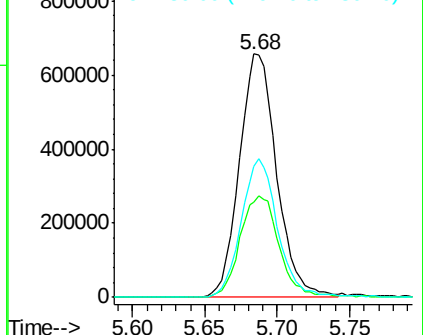
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#11

Trichlorofluoromethane

Concen: 0.804 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL034773.D

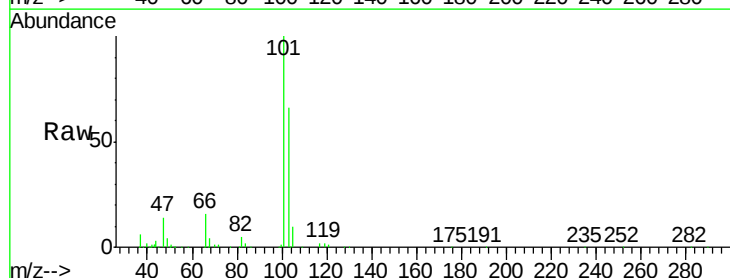
Acq: 3 Mar 2020 21:08

Tgt Ion:101 Resp: 130408

Ion Ratio Lower Upper

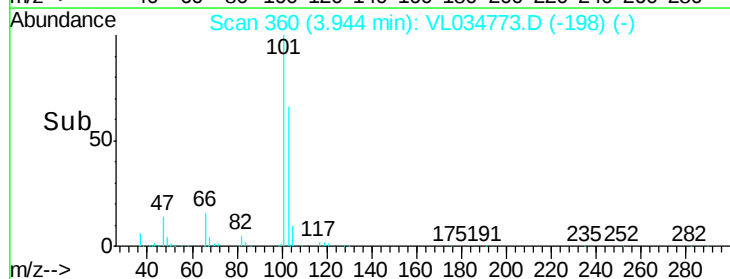
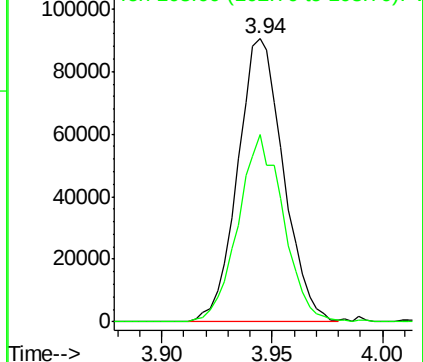
101 100

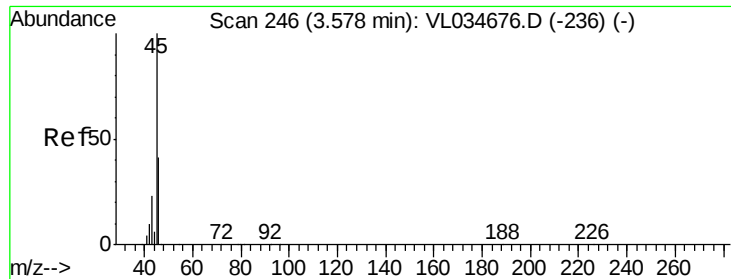
103 66.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





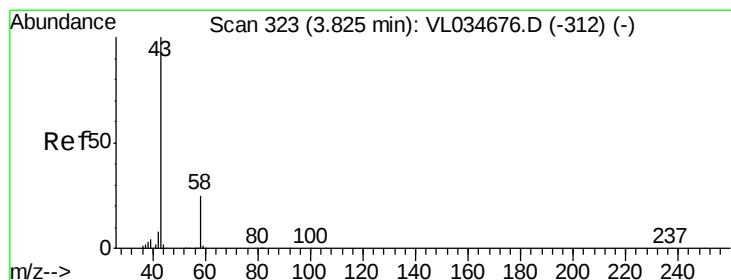
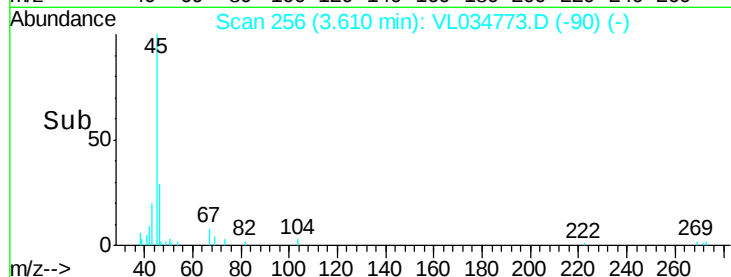
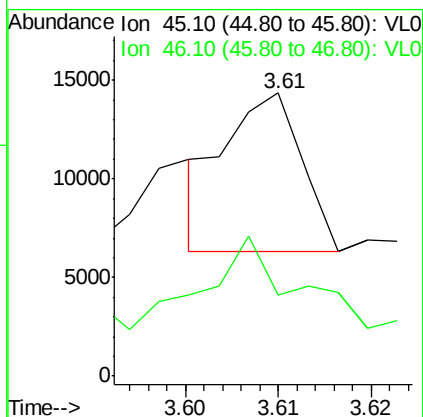
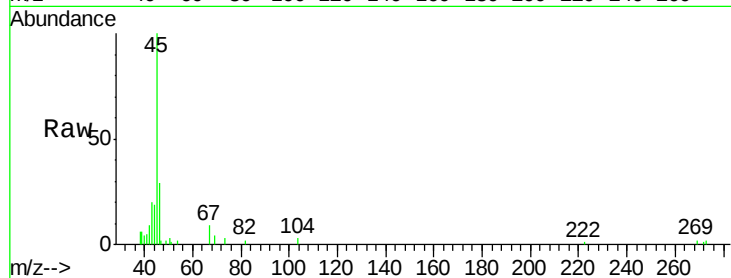
#13
Ethanol
Concen: 0.274 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.03 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Instrument :
MSVOA_L
ClientSampleId :
SS-7-4DL

Tot Ion: 45 Resp: 4586
Ion Ratio Lower Upper
45 100
46 250.4 15.4 61.4#

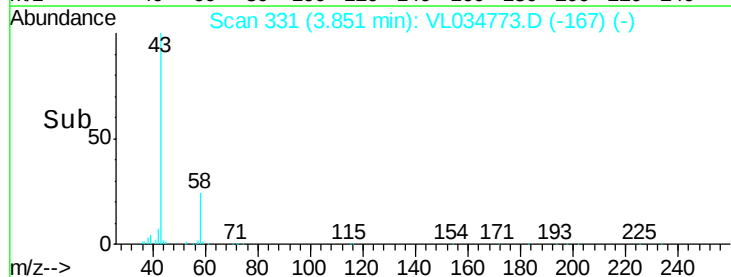
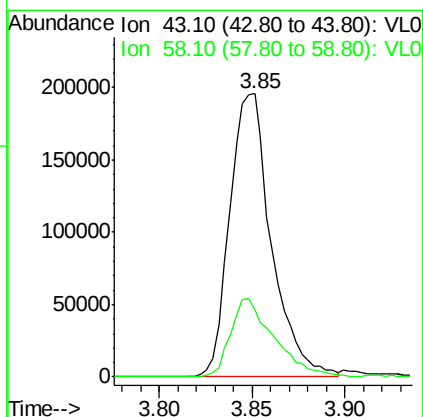
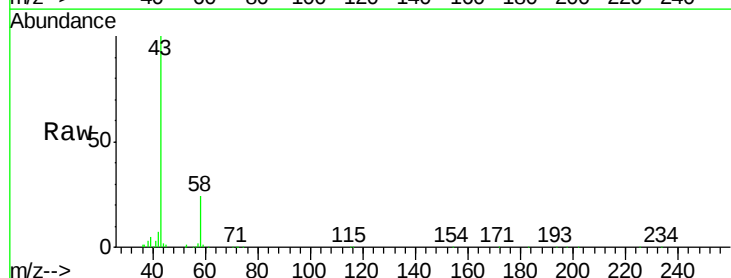
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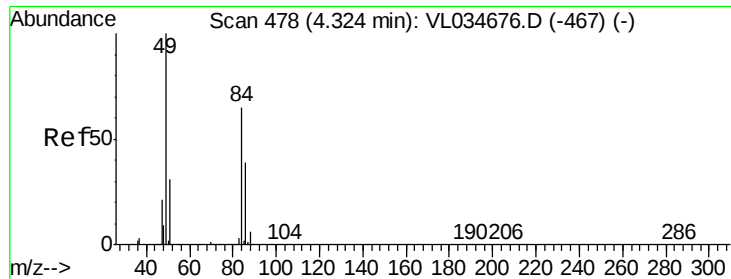
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#15
Acetone
Concen: 2.284 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.03 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Tgt Ion: 43 Resp: 305511
Ion Ratio Lower Upper
43 100
58 29.5 21.4 32.0





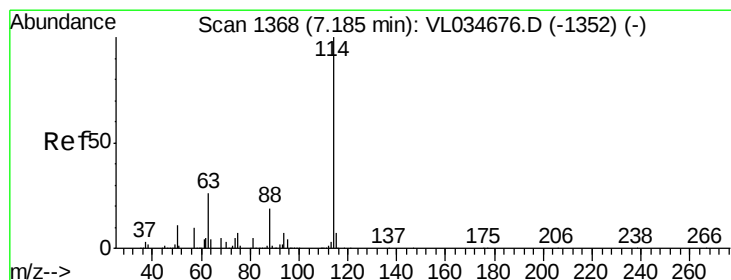
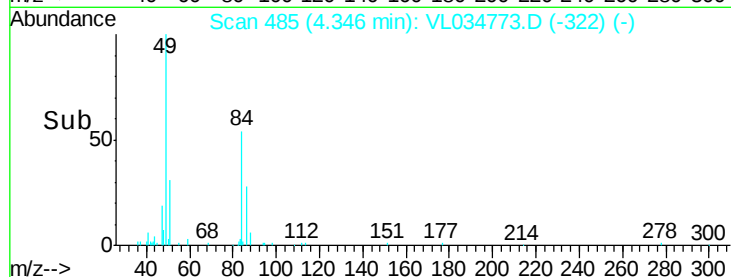
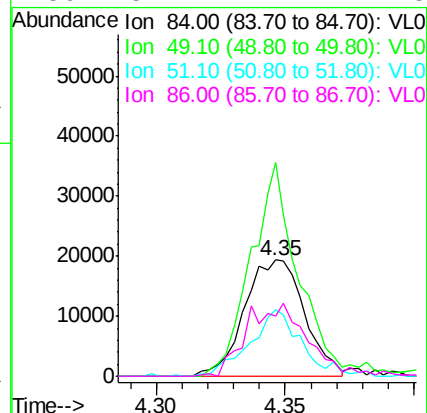
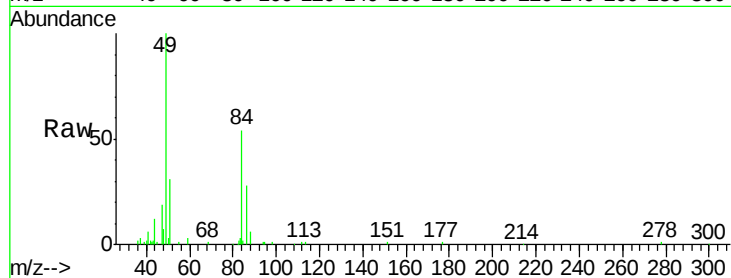
#20
Methylene Chloride
Concen: 0.633 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Instrument :
MSVOA_L
ClientSampleId :
SS-7-4DL

Tot Ion:	84	Resp:	31492
Ion	Ratio	Lower	Upper
84	100		
49	183.6	122.8	184.2
51	57.0	38.6	58.0
86	52.2	47.7	71.5

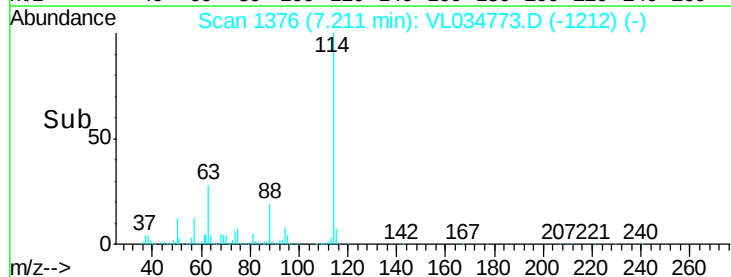
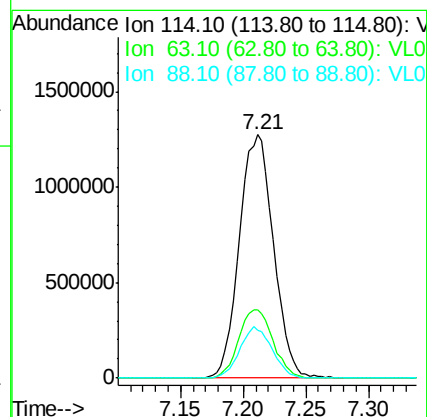
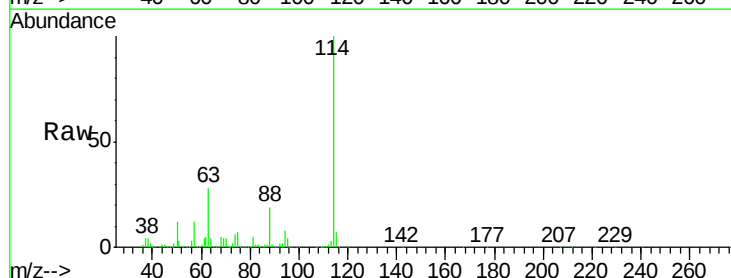
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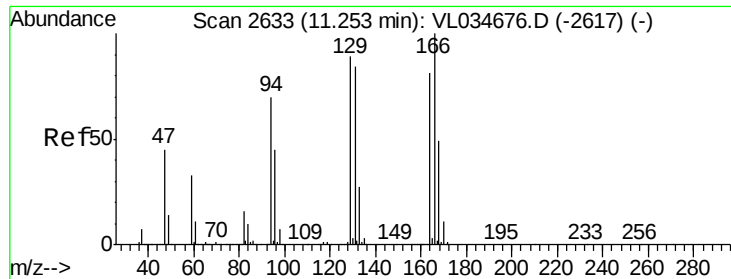
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. 0.03 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Tgt Ion:	114	Resp:	2417351
Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.9	34.3
88	20.0	15.8	23.6





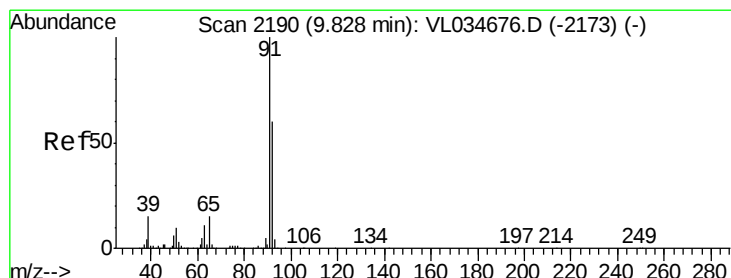
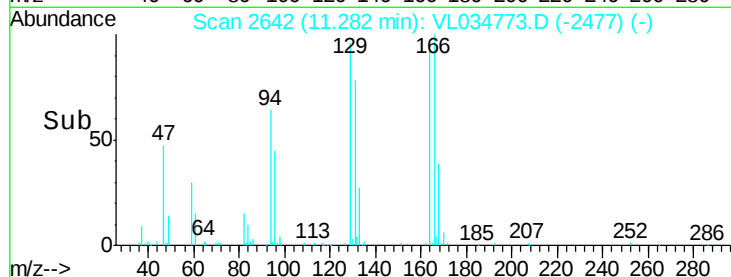
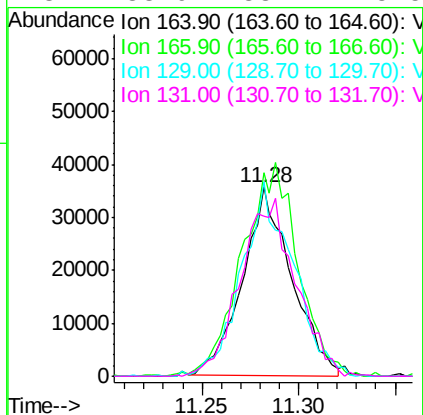
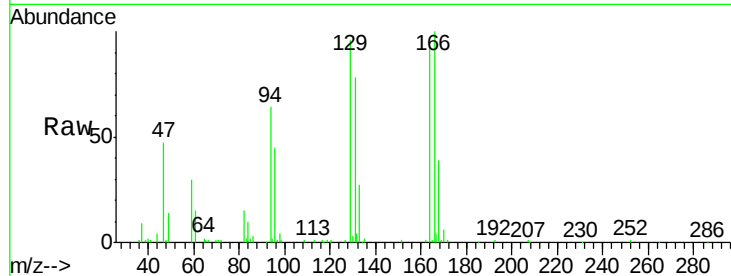
#52
Tetrachloroethene
Concen: 0.822 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. 0.03 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Instrument :
MSVOA_L
ClientSampleId :
SS-7-4DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	107.7	99.2	148.8
129	103.6	88.0	132.0
131	83.9	83.7	125.5

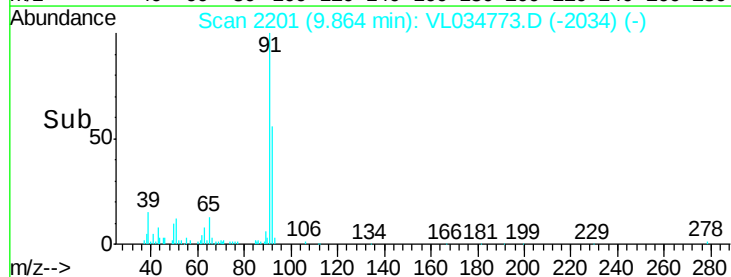
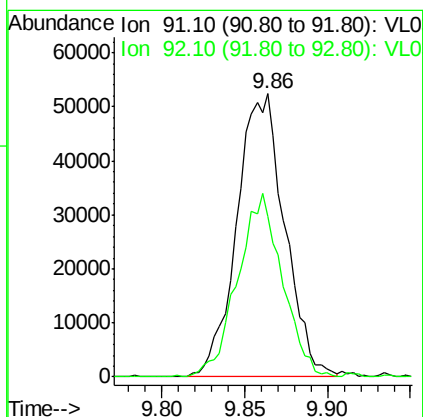
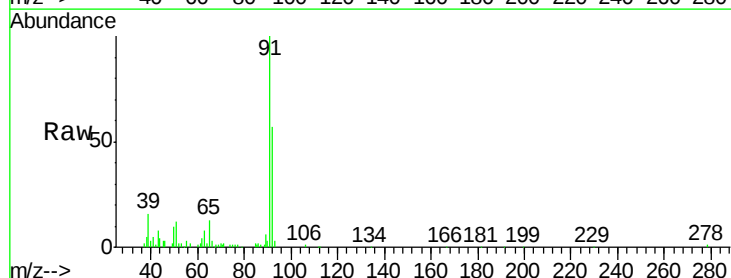
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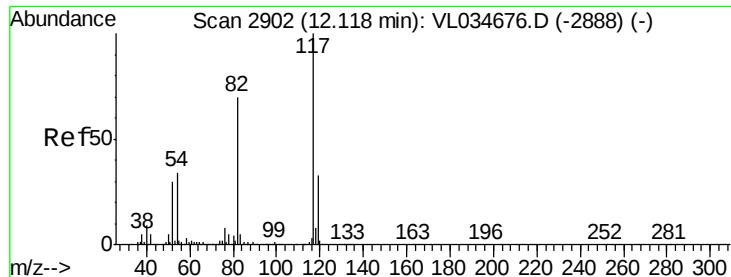
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#53
Toluene
Concen: 0.473 ppbv m
RT: 9.86 min Scan# 2201
Delta R.T. 0.04 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.5	72.7





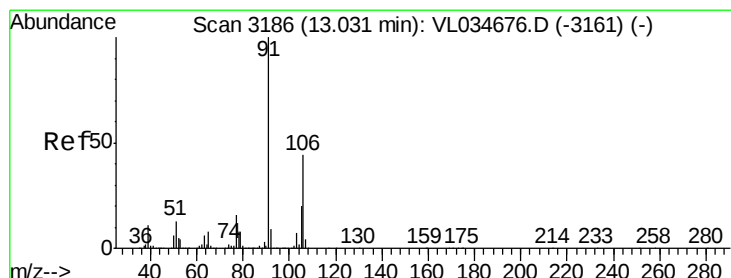
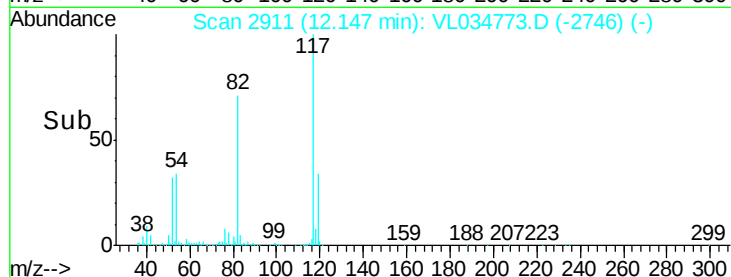
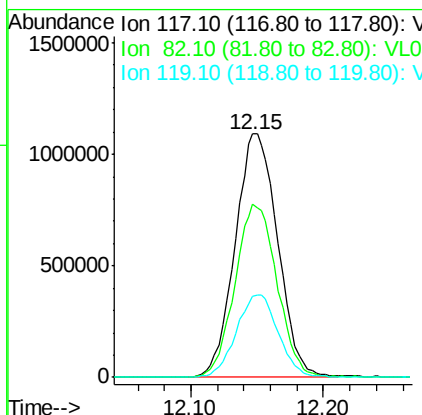
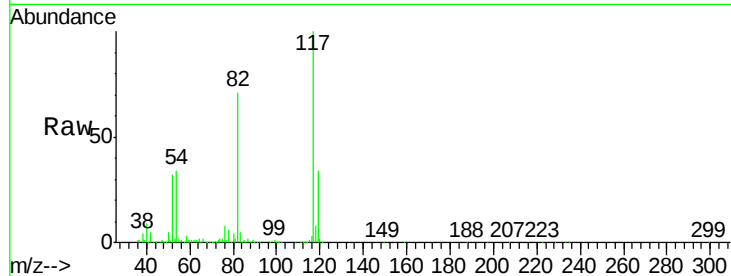
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.03 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Instrument :
MSVOA_L
ClientSampleId :
SS-7-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.0	54.1	81.1
119	33.7	27.6	41.4

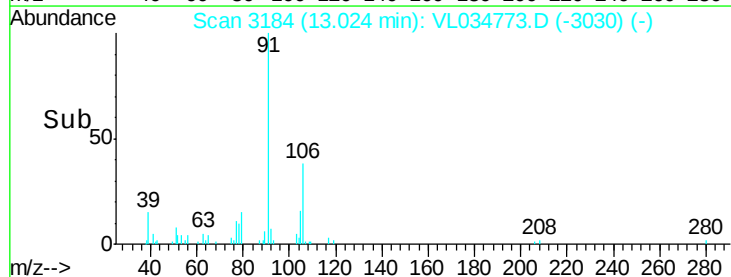
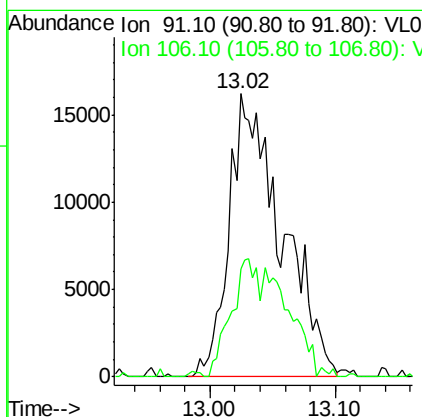
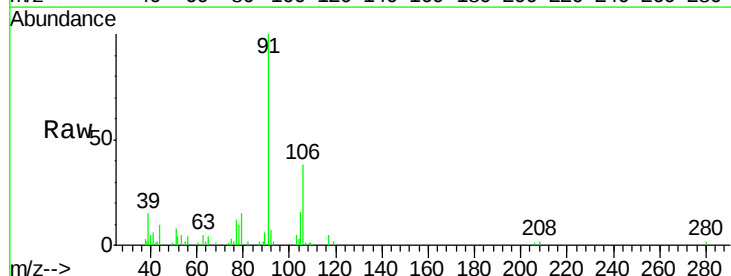
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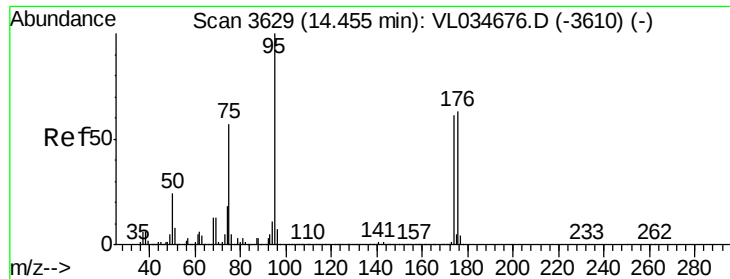
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#59
m/p-Xylene
Concen: 0.184 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.01 min
Lab File: VL034773.D
Acq: 3 Mar 2020 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#





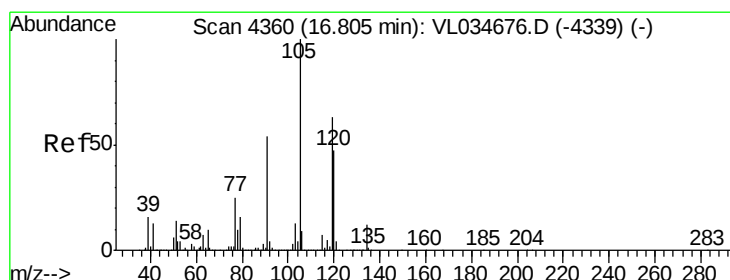
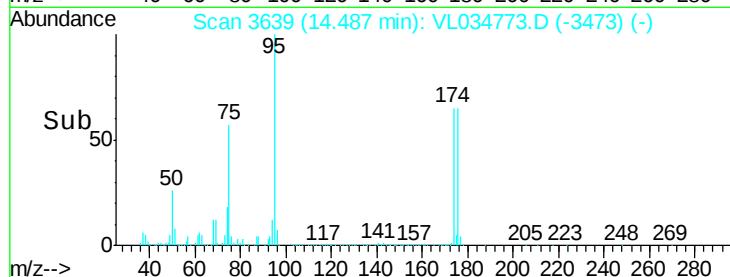
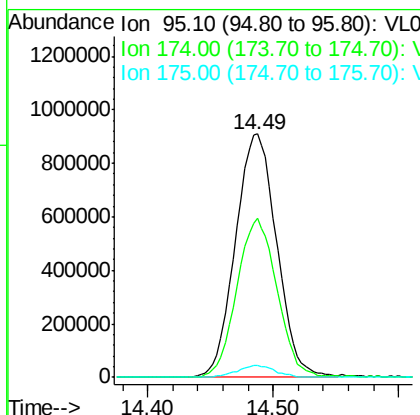
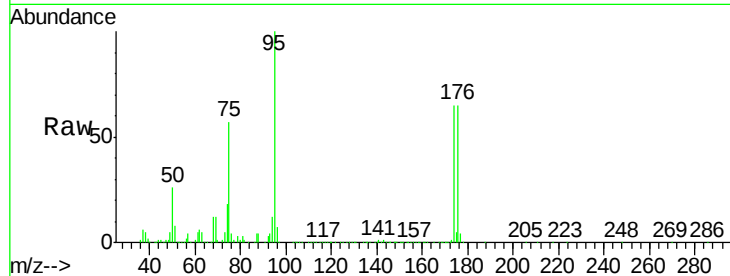
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.401 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. 0.03 min
 Lab File: VL034773.D
 Acq: 3 Mar 2020 21:08

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-7-4DL

Tot Ion: 95 Resp: 2070571
 Ion Ratio Lower Upper
 95 100
 174 64.6 50.7 76.1
 175 4.7 3.9 5.9

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.124 ppbv m
 RT: 16.84 min Scan# 4370
 Delta R.T. 0.03 min
 Lab File: VL034773.D
 Acq: 3 Mar 2020 21:08

Tgt Ion: 105 Resp: 37126
 Ion Ratio Lower Upper
 105 100
 120 35.8 37.9 56.9#
 91 13.5 43.9 65.9#
 77 17.8 20.3 30.5#

