

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034432.D
 Acq On : 2 Dec 2019 18:50
 Operator : SY/AP
 Sample : K6068-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Manual Integrations
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Quant Time: Dec 03 11:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	909623	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1835481	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1798541	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.48	95	1506041	9.95	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	69822	0.424	ppbv	90
3) Chlorodifluoromethane	2.96	51	19027m	0.168	ppbv	
13) Ethanol	3.60	45	85822	6.115	ppbv	88
15) Acetone	3.85	43	267220	2.052	ppbv	98
17) tert-Butyl alcohol	4.30	59	55888m	0.510	ppbv	
19) Isopropyl Alcohol	3.97	45	1150439	13.779	ppbv #	98
22) trans-1,2-Dichloroethene	4.90	96	23057	0.481	ppbv	97
29) Chloroform	5.77	83	246480	1.524	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	641274	6.213	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	229174	1.511	ppbv	95
38) Trichloroethene	7.88	130	6698667	88.964	ppbv	93
52) Tetrachloroethene	11.28	164	1327541	16.722	ppbv	97
53) Toluene	9.86	91	94780m	0.455	ppbv	
59) m/p-Xylene	13.03	91	51510m	0.214	ppbv	

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

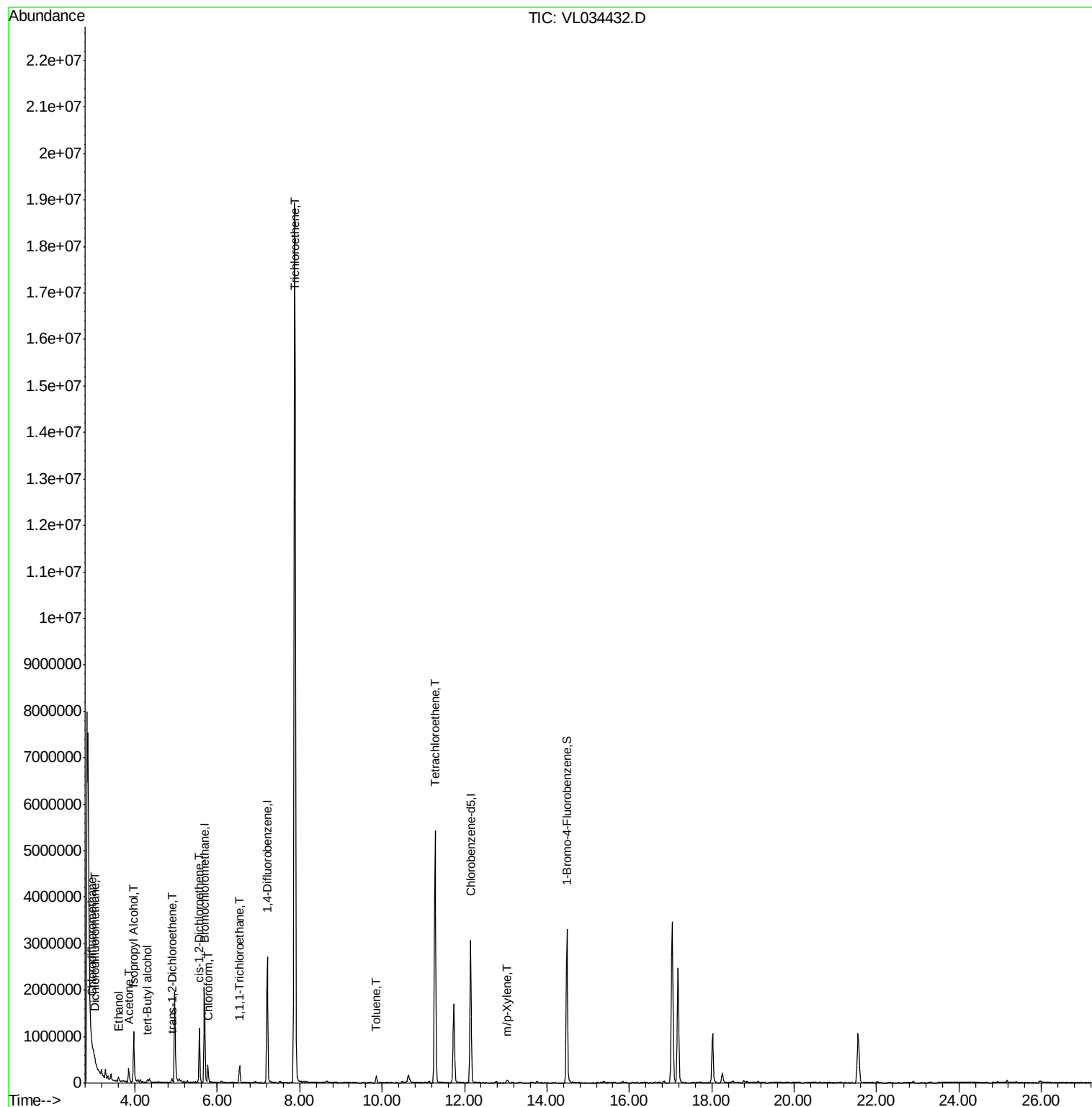
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
Data File : VL034432.D
Acq On : 2 Dec 2019 18:50
Operator : SY/AP
Sample : K6068-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

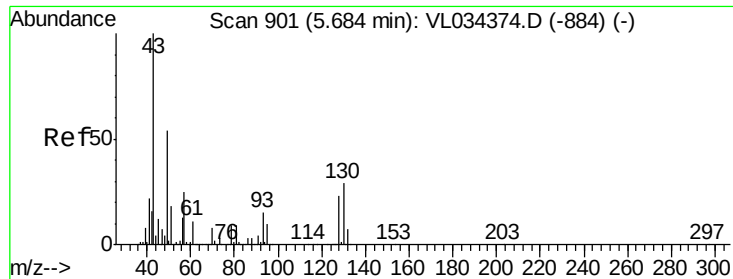
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

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Quant Time: Dec 03 11:39:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





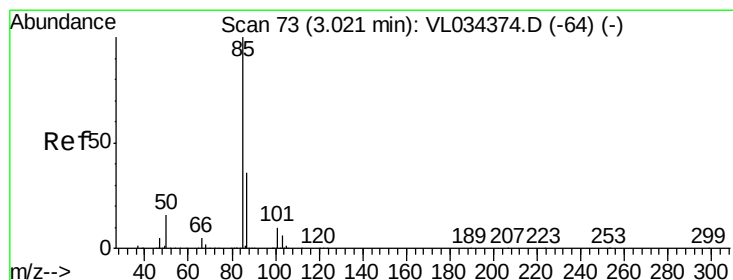
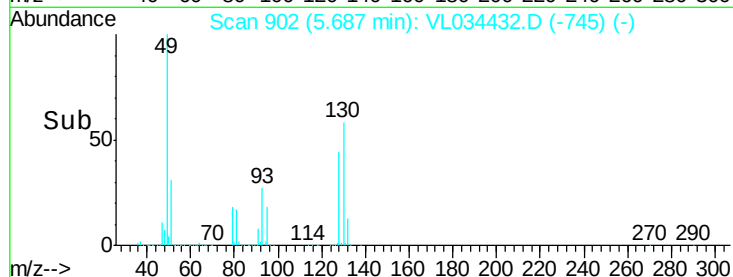
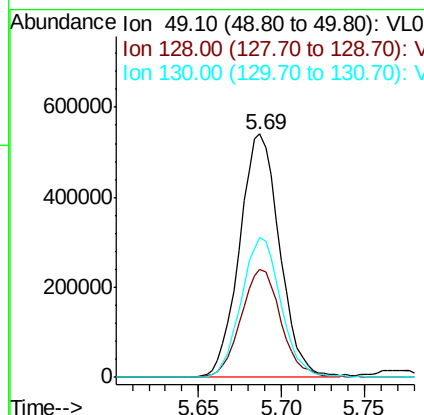
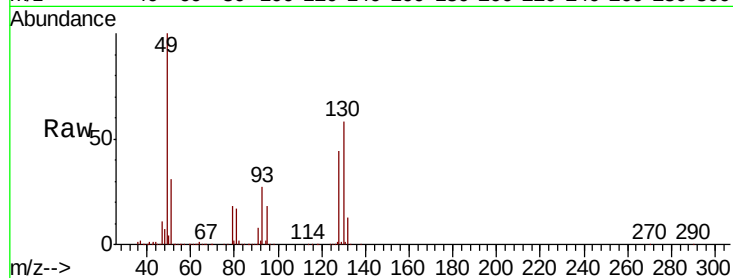
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Instrument :
 MSVOA_L
 ClientSampled :
 SV-3DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.8	21.8	65.3
130	57.3	28.0	84.0

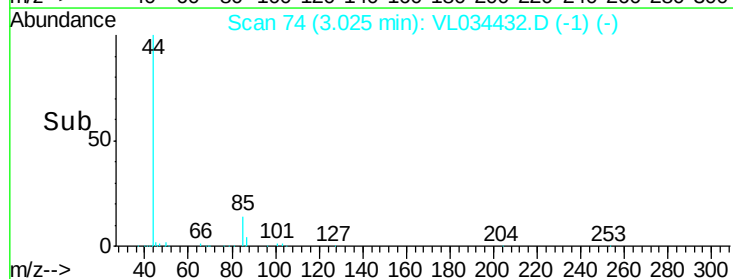
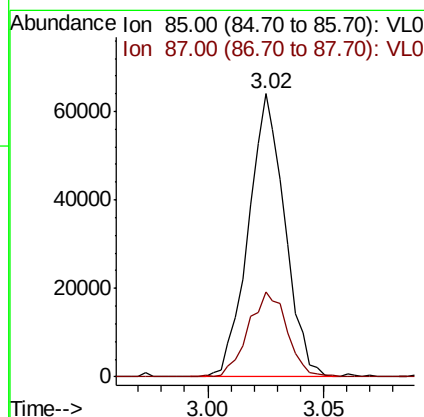
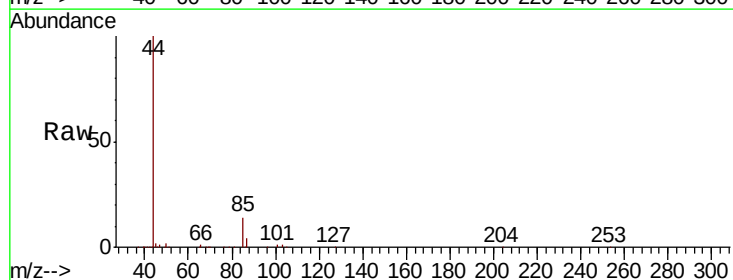
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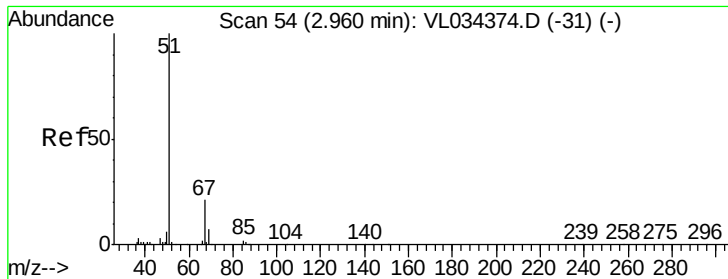
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#2
 Dichlorodifluoromethane
 Concen: 0.424 ppbv
 RT: 3.02 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.9	28.5	42.7





#3

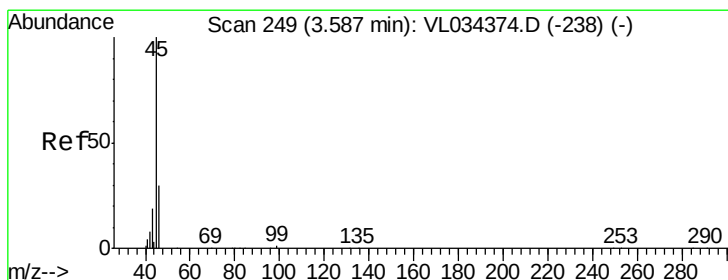
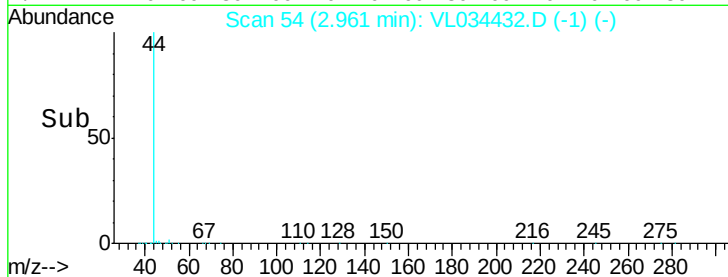
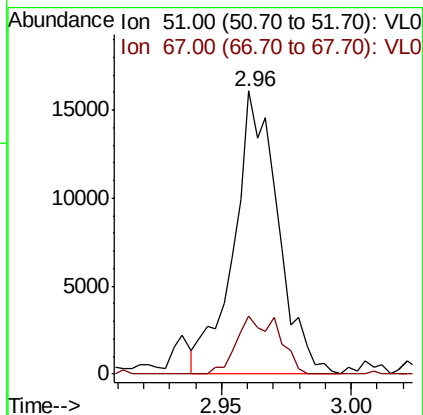
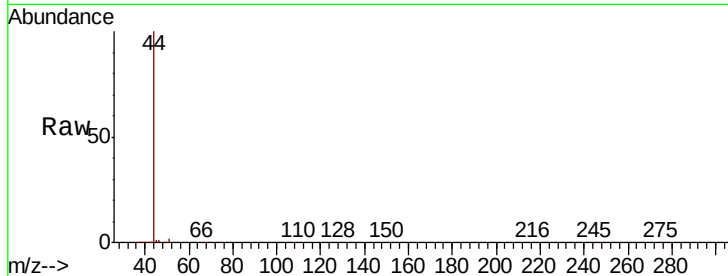
Chlorodifluoromethane
Concen: 0.168 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.7	16.2	24.2

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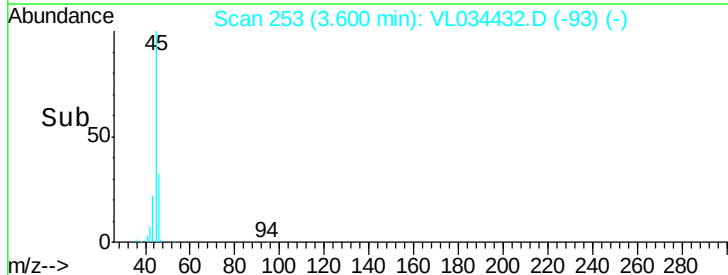
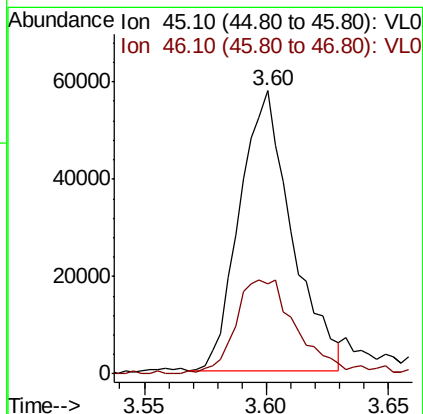
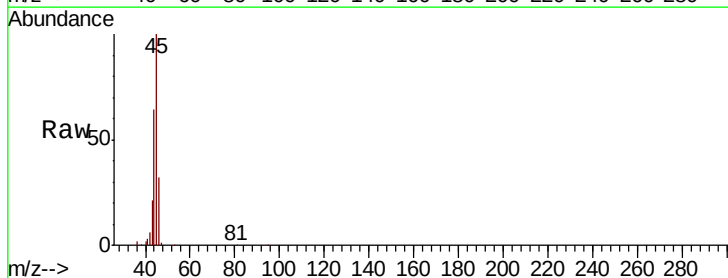
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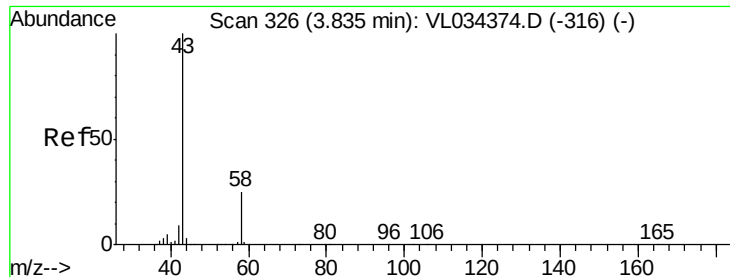


#13

Ethanol
Concen: 6.115 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Tgt Ion	Ratio	Lower	Upper
45	100		
46	41.6	13.8	55.4





#15

Acetone

Concen: 2.052 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034432.D

Acq: 2 Dec 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL

Tot Ion: 43 Resp: 267220

Ion Ratio Lower Upper

43 100

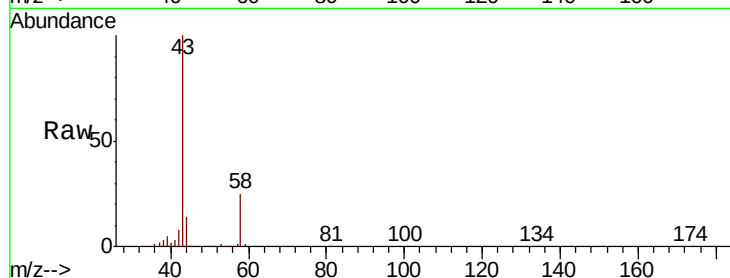
58 26.2 20.2 30.4

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

200000

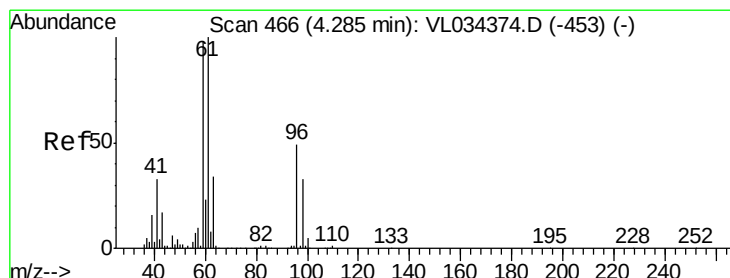
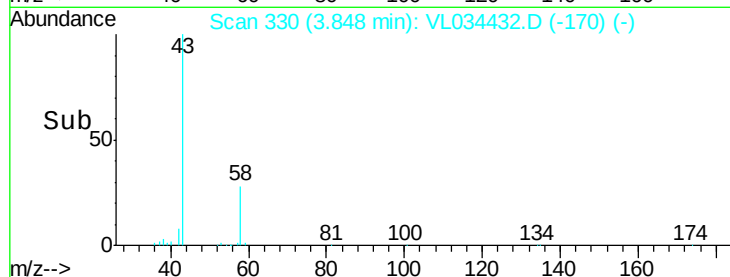
150000

100000

50000

0

Time-->



#17

tert-Butyl alcohol

Concen: 0.510 ppbv m

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL034432.D

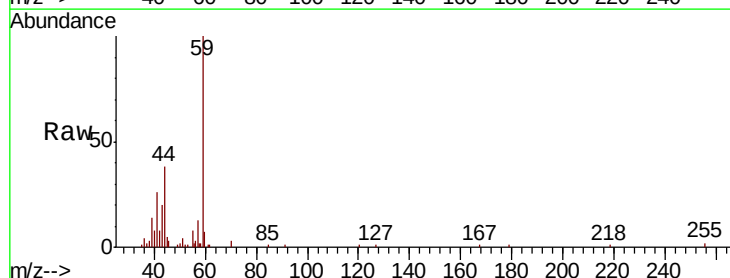
Acq: 2 Dec 2019 18:50

Tgt Ion: 59 Resp: 55888

Ion Ratio Lower Upper

59 100

57 9.0 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

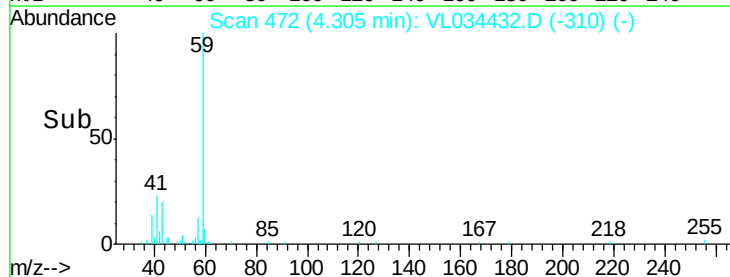
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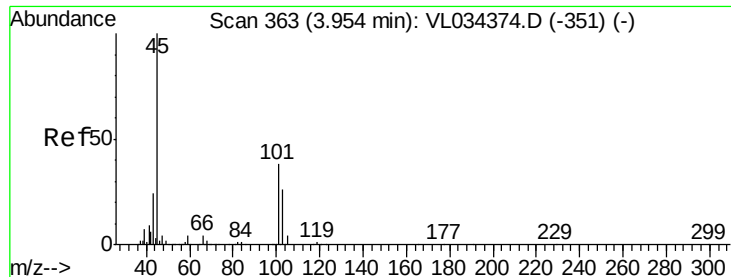
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Time-->





#19

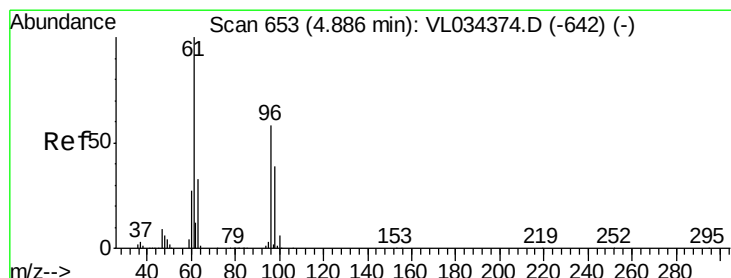
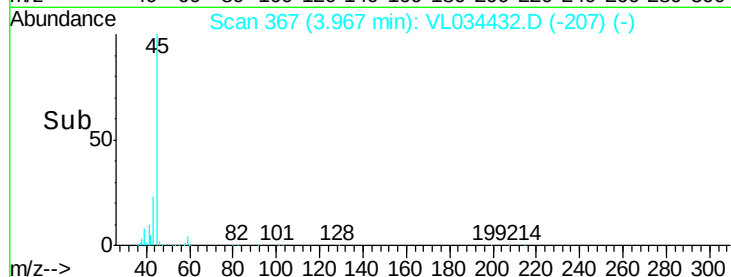
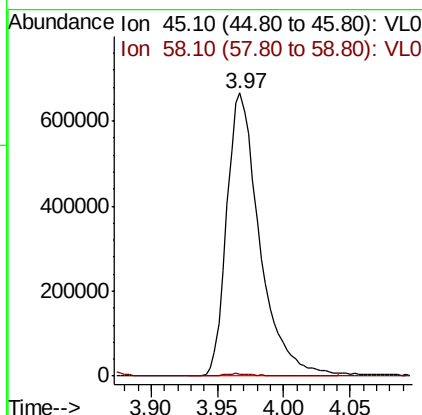
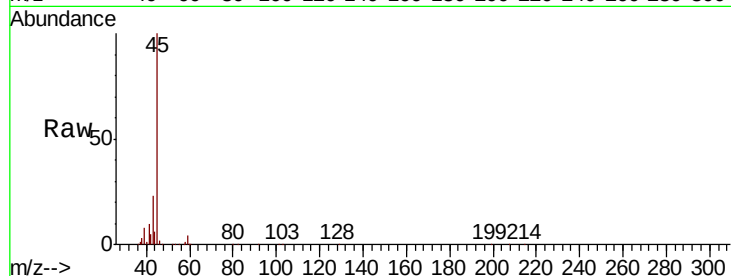
Isopropyl Alcohol
 Concen: 13.779 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Tot Ion: 45 Resp: 1150439
 Ion Ratio Lower Upper
 45 100
 58 0.9 1.3 1.9#

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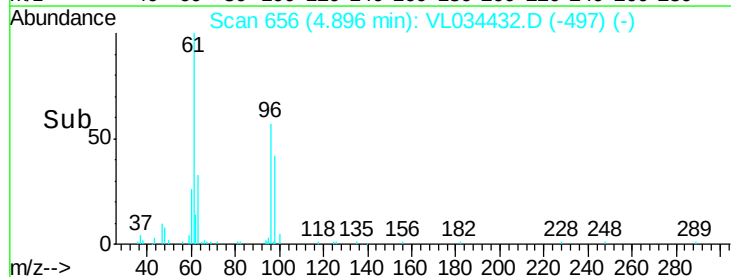
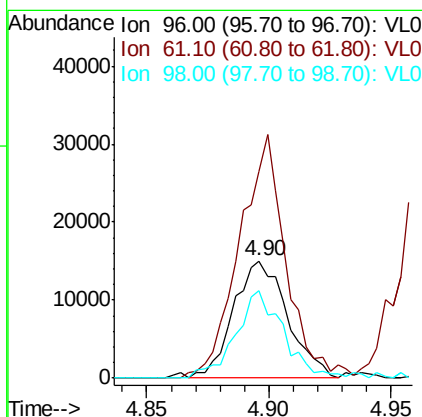
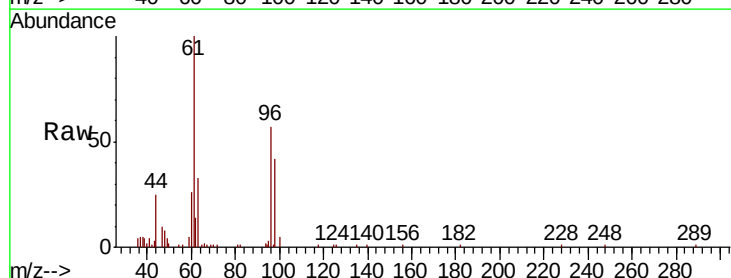
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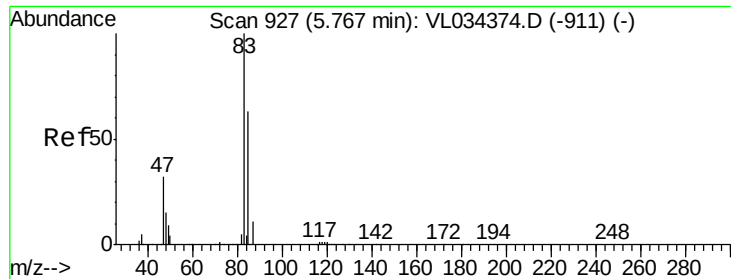


#22

trans-1,2-Dichloroethene
 Concen: 0.481 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Tgt Ion: 96 Resp: 23057
 Ion Ratio Lower Upper
 96 100
 61 171.8 137.9 206.9
 98 74.8 53.5 80.3





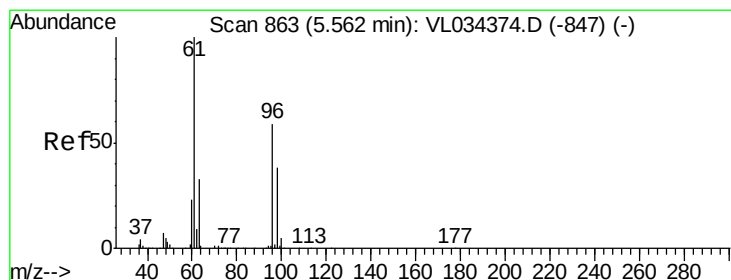
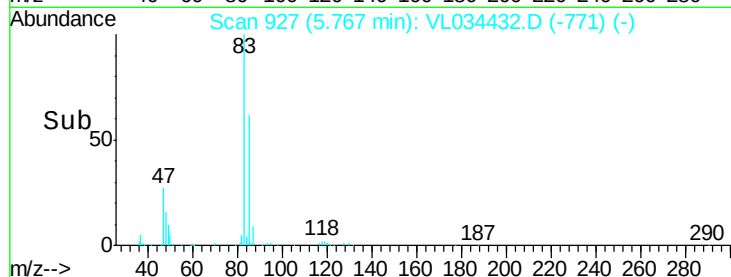
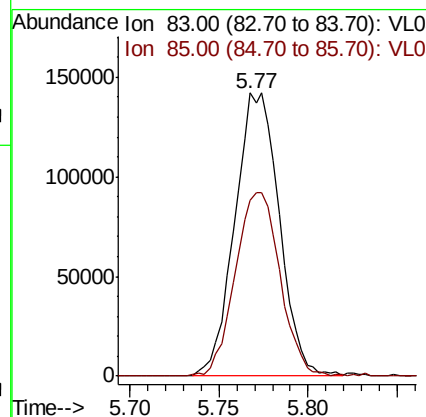
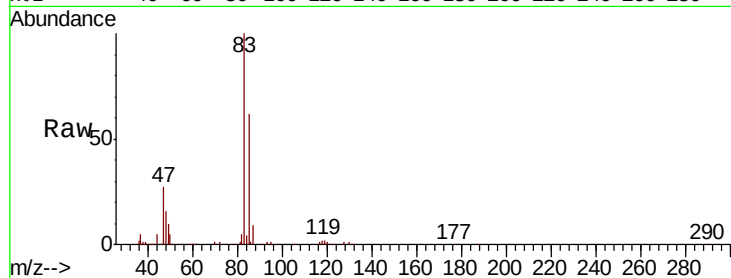
#29
Chloroform
Concen: 1.524 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion	83	Resp	246480
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	50.4	75.6

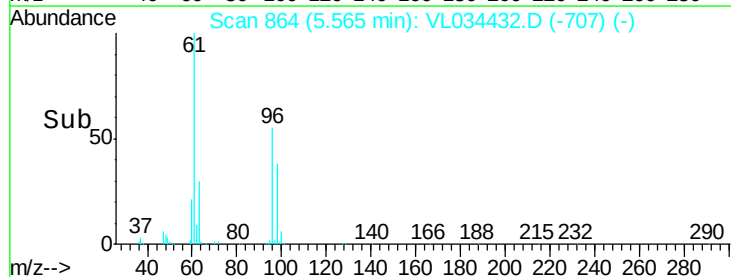
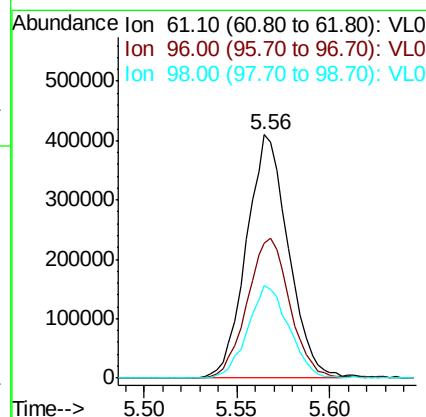
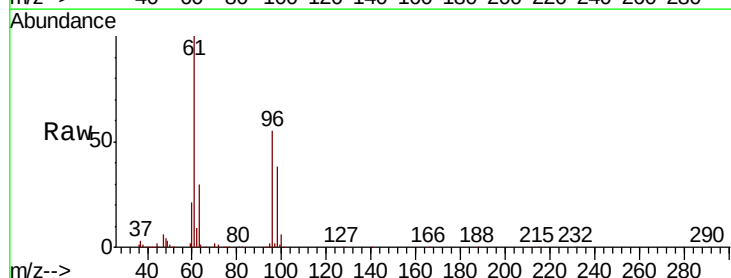
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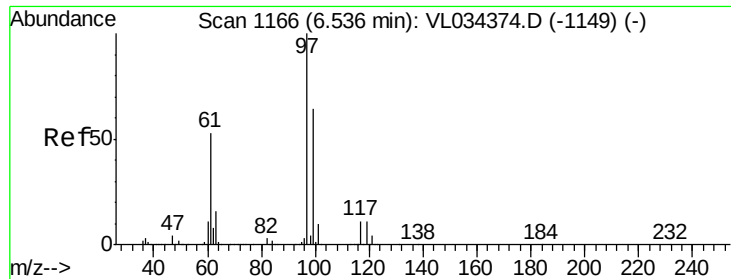
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#31
cis-1,2-Dichloroethene
Concen: 6.213 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Tgt Ion	61	Resp	641274
Ion Ratio	100	Lower	Upper
61	100		
96	55.2	47.4	71.2
98	38.1	30.6	45.8





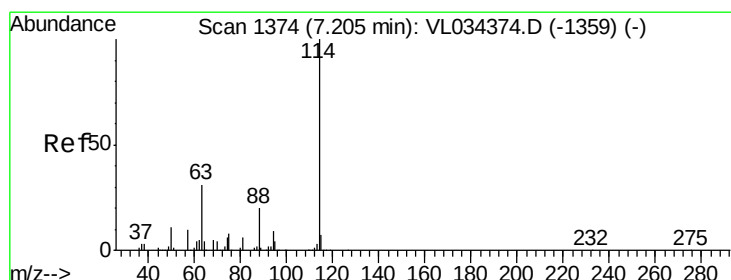
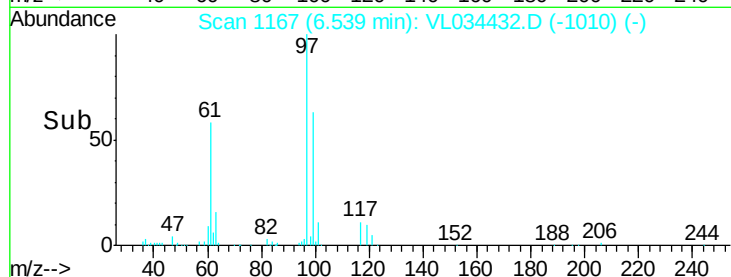
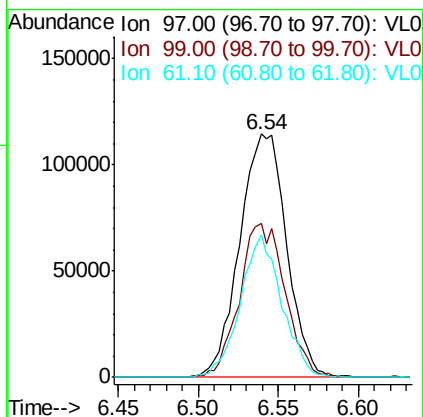
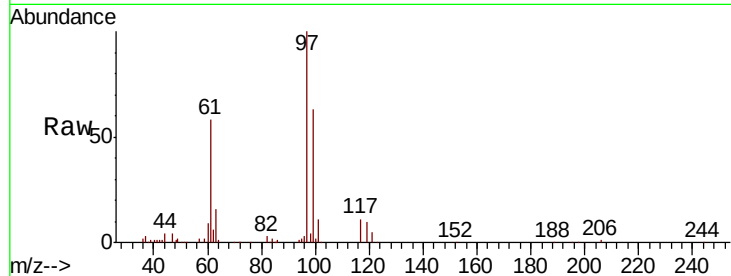
#32
 1,1,1-Trichloroethane
 Concen: 1.511 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Instrument :
 MSVOA_L
 ClientSampled :
 SV-3DL

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.4	52.3	78.5
61	51.6	43.7	65.5

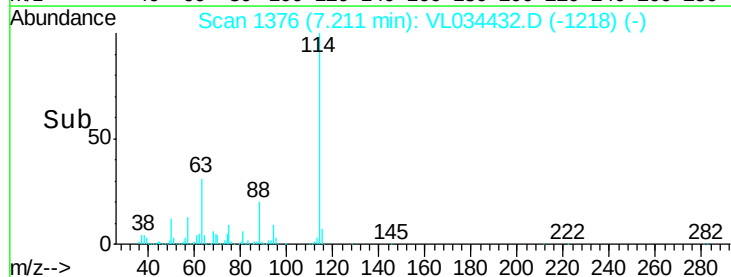
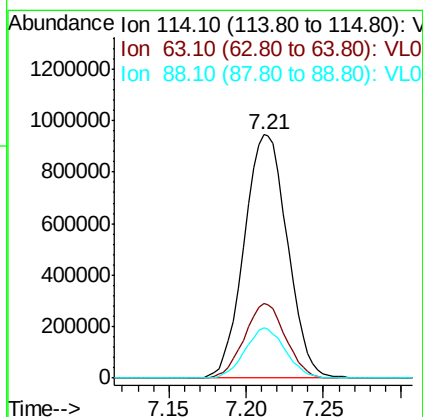
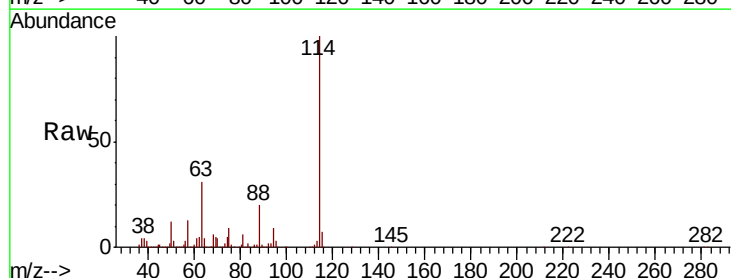
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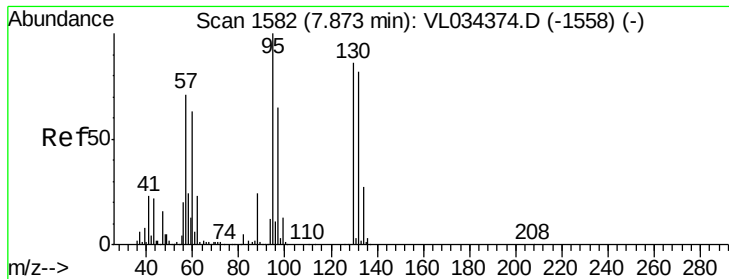
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.2	36.4
88	19.4	15.9	23.9





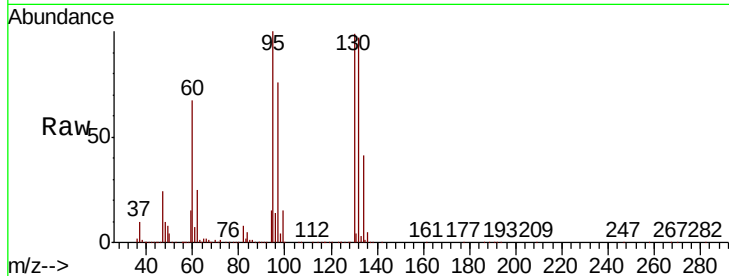
#38
 Trichloroethene
 Concen: 88.964 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Tot Ion	130	Resp	6698667
Ion	Ratio	Lower	Upper
130	100		
95	101.4	93.4	140.0
132	98.6	76.4	114.6
97	77.0	61.1	91.7

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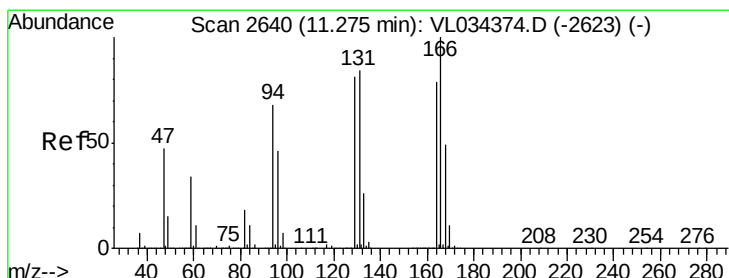
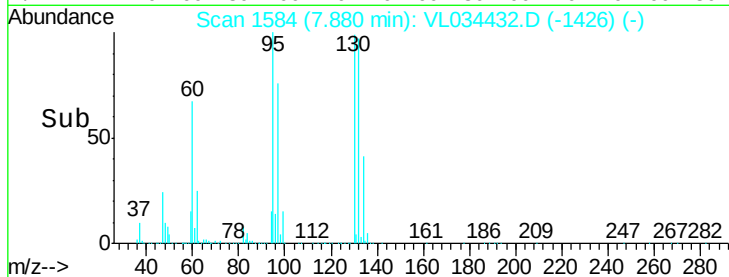
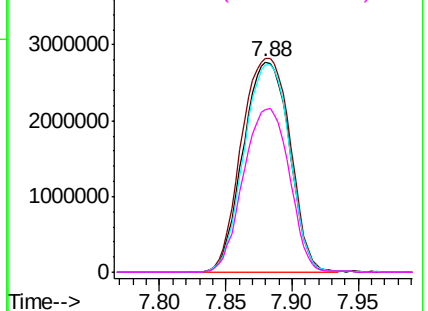
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V



#52
 Tetrachloroethene
 Concen: 16.722 ppbv
 RT: 11.28 min Scan# 2643
 Delta R.T. 0.01 min
 Lab File: VL034432.D
 Acq: 2 Dec 2019 18:50

Tgt Ion	164	Resp	1327541
Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.7	152.5
129	104.8	82.6	123.8
131	100.2	85.2	127.8

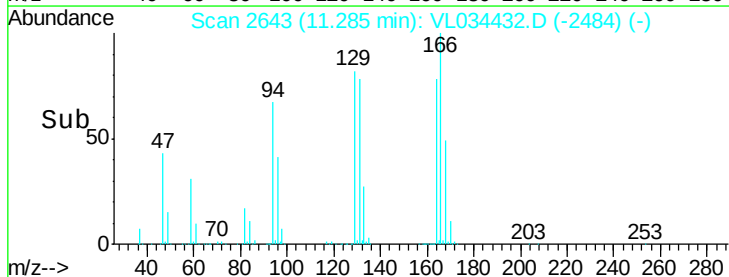
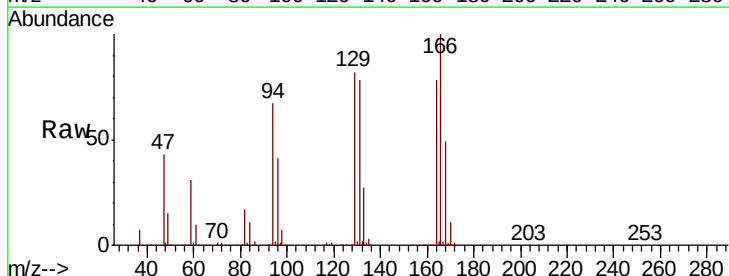
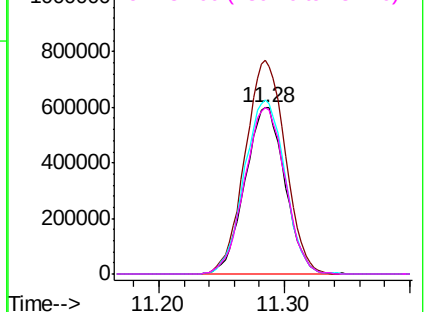
Abundance

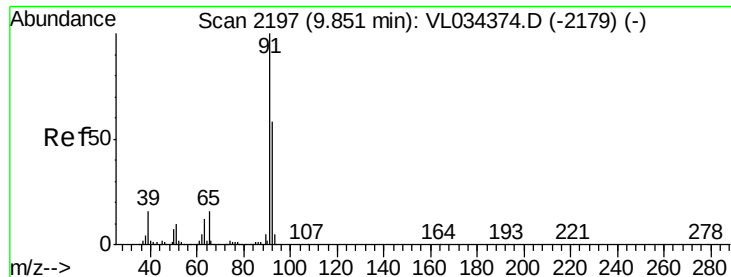
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

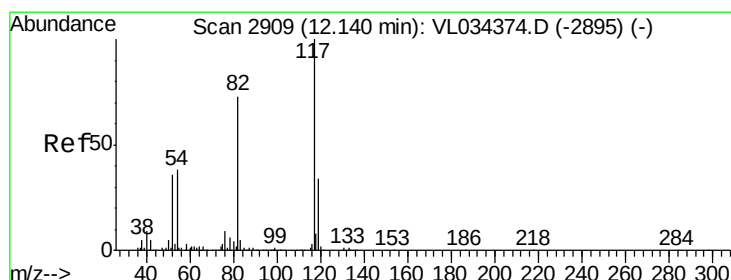
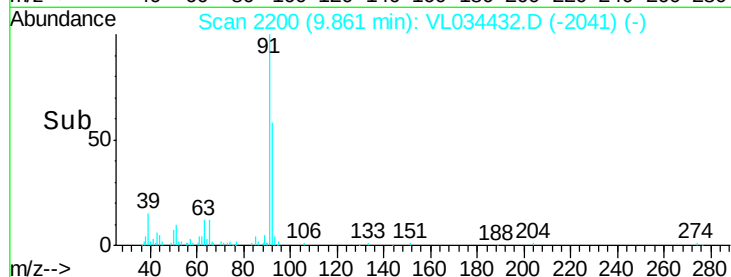
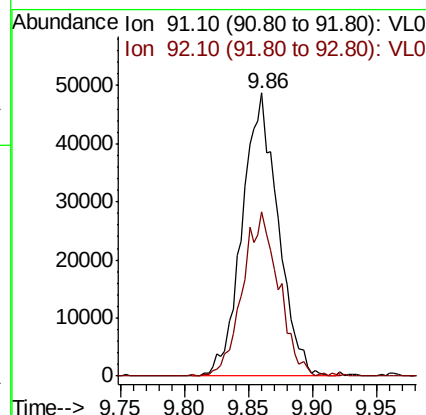
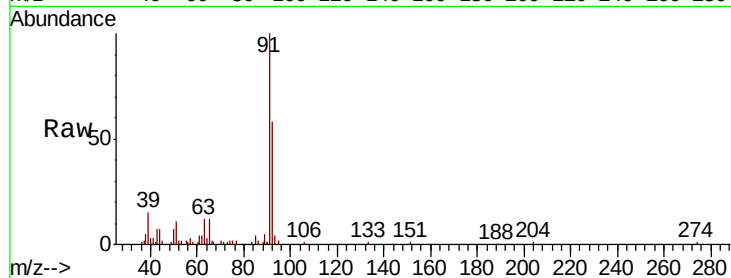
Concen: 0.455 ppbv m
RT: 9.86 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion: 91 Resp: 94780
Ion Ratio Lower Upper
91 100
92 58.3 47.9 71.9

Manual Integrations
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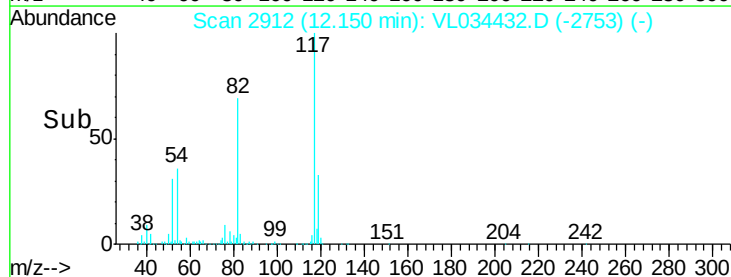
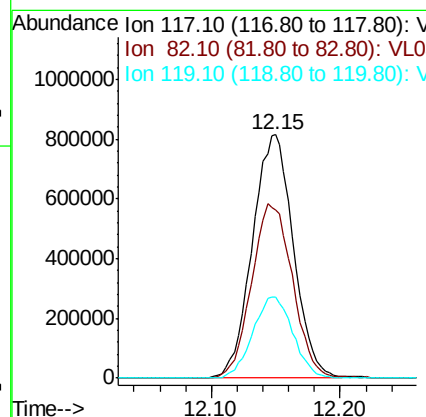
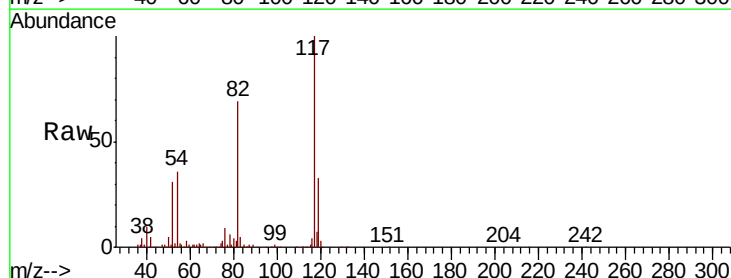


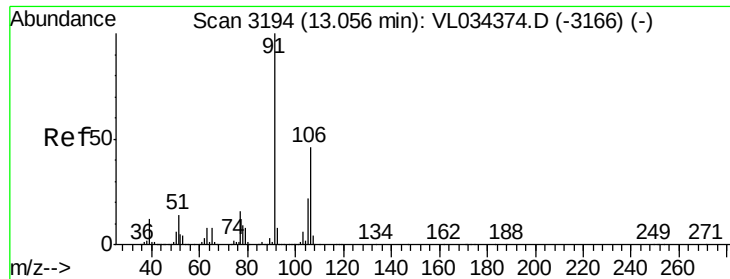
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Tgt Ion: 117 Resp: 1798541
Ion Ratio Lower Upper
117 100
82 72.1 57.5 86.3
119 32.9 25.4 38.2





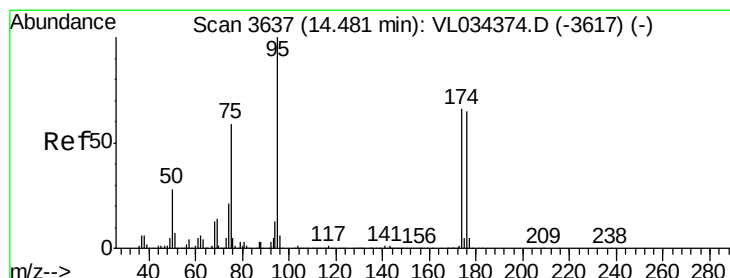
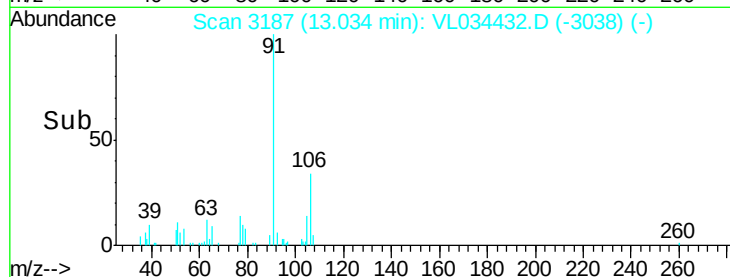
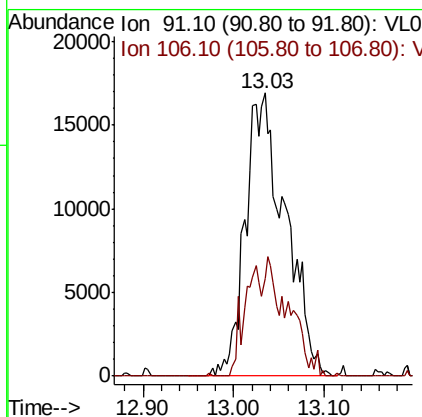
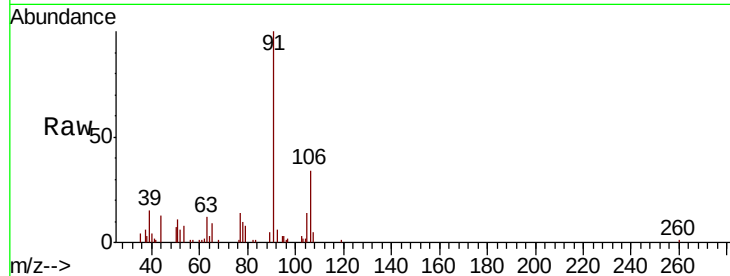
#59
m/p-Xylene
Concen: 0.214 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	51.8#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.954 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034432.D
Acq: 2 Dec 2019 18:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.2	78.2
175	4.9	3.8	5.8

