

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034553.D
 Acq On : 2 Jan 2020 19:20
 Operator : SY/AP
 Sample : K6473-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 50-2

Manual Integrations
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Quant Time: Jan 03 05:55:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	870157	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1752604	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1686068	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1432932	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	41722	0.304	ppbv #	78
3) Chlorodifluoromethane	2.95	51	30737m	0.296	ppbv	
4) Chloromethane	3.11	50	27983	0.454	ppbv	91
9) Propene	2.99	41	42709m	1.068	ppbv	
11) Trichlorofluoromethane	3.93	101	41049	0.258	ppbv	93
13) Ethanol	3.58	45	83553	7.534	ppbv	100
15) Acetone	3.83	43	495726	3.904	ppbv	97
17) tert-Butyl alcohol	4.30	59	44637m	0.439	ppbv	
19) Isopropyl Alcohol	3.96	45	13268m	0.161	ppbv	
20) Methylene Chloride	4.33	84	20214	0.405	ppbv	97
26) Hexane	5.69	57	22641	0.271	ppbv #	39
34) 2-Butanone	5.24	43	26197m	0.209	ppbv	
35) Carbon Tetrachloride	7.03	117	10388m	0.065	ppbv	
36) Benzene	6.89	78	16840m	0.110	ppbv	
53) Toluene	9.83	91	51269m	0.305	ppbv	

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

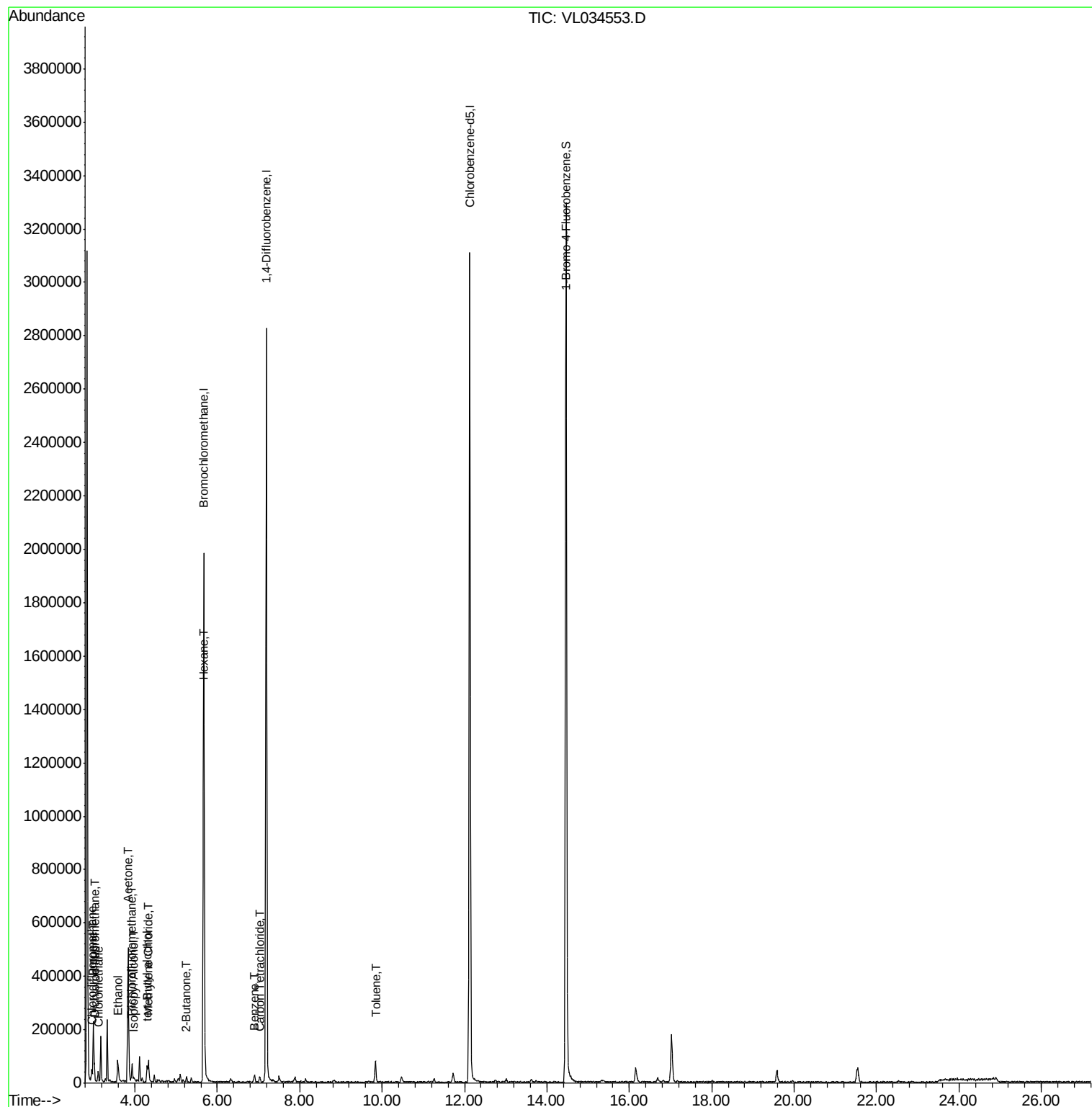
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010220\
Data File : VL034553.D
Acq On : 2 Jan 2020 19:20
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

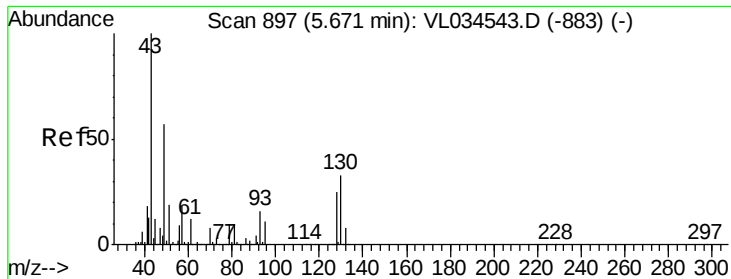
Instrument :
MSVOA_L
ClientSampleId :
50-2

Manual Integrations
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Quant Time: Jan 03 05:55:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034553.D

Acq: 2 Jan 2020 19:20

Instrument :

MSVOA_L

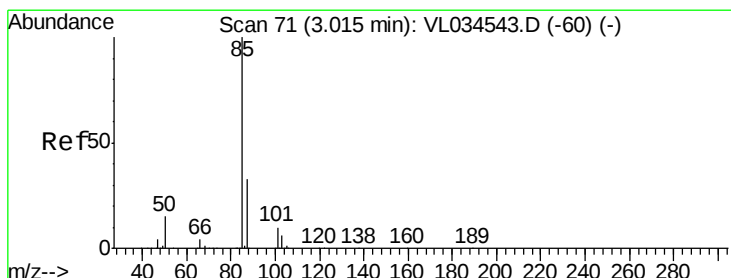
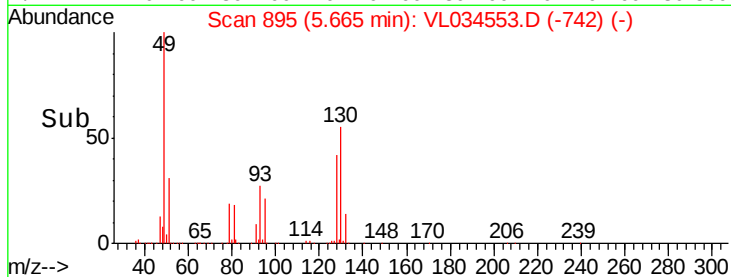
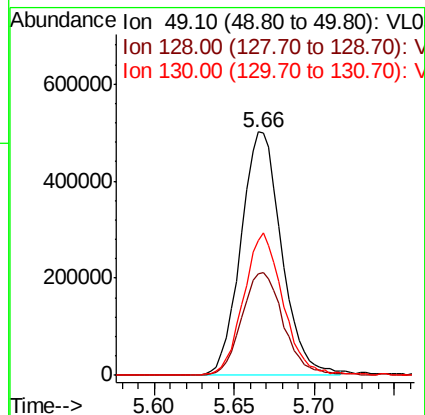
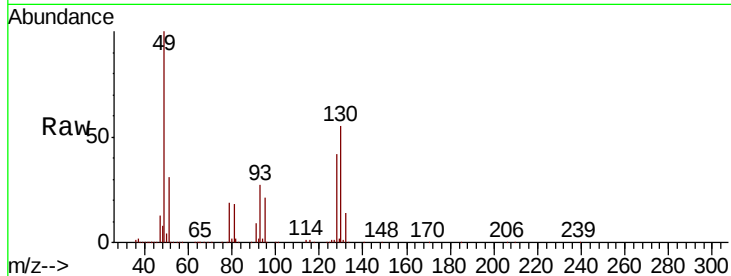
ClientSampled :

50-2

Tot Ion:	49	Resp:	870157
Ion	Ratio	Lower	Upper
49	100		
128	43.6	22.4	67.2
130	57.1	28.3	85.0

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#2

Dichlorodifluoromethane

Concen: 0.304 ppbv

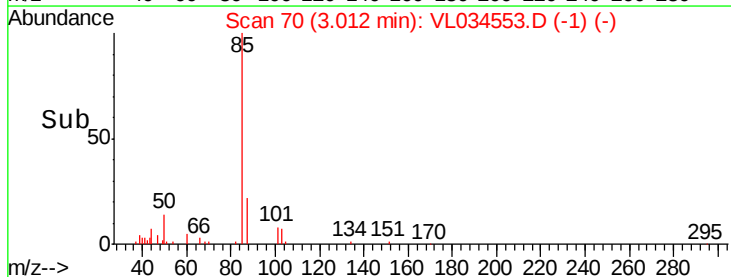
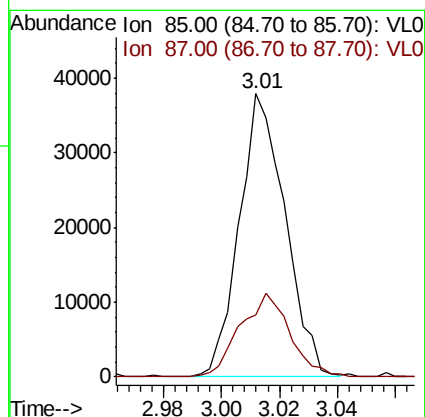
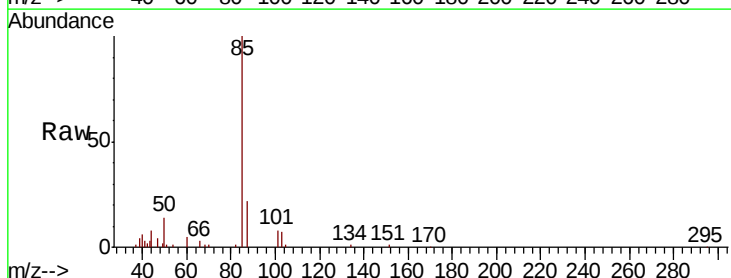
RT: 3.01 min Scan# 70

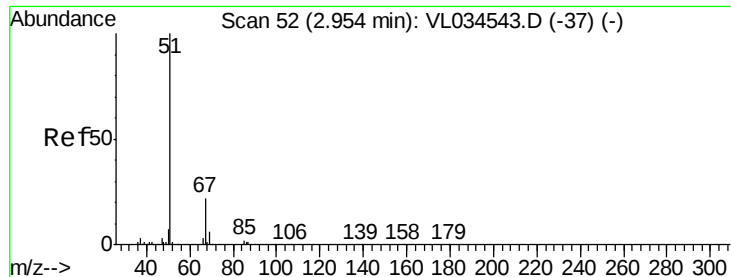
Delta R.T. -0.00 min

Lab File: VL034553.D

Acq: 2 Jan 2020 19:20

Tgt Ion:	85	Resp:	41722
Ion	Ratio	Lower	Upper
85	100		
87	21.9	27.9	41.9#





#3

Chlorodifluoromethane

Concen: 0.296 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034553.D

Acq: 2 Jan 2020 19:20

Instrument :

MSVOA_L

ClientSampled :

50-2

Tot Ion: 51 Resp: 30737

Ion Ratio Lower Upper

51 100

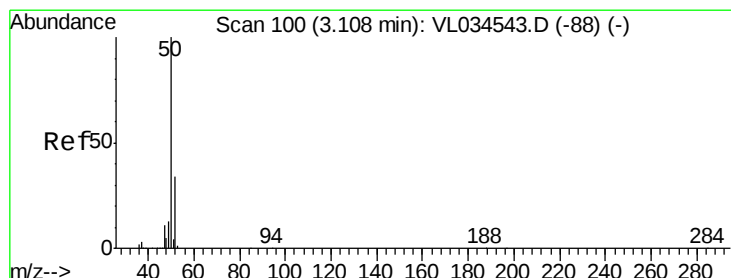
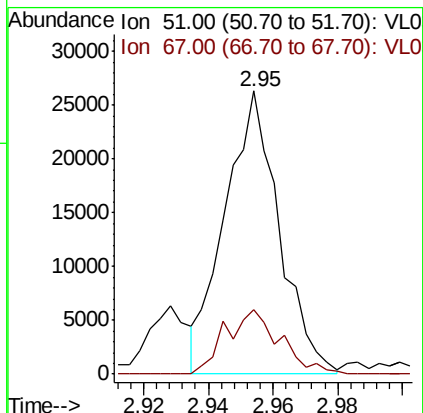
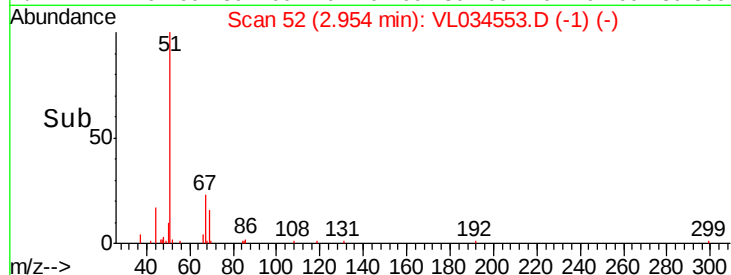
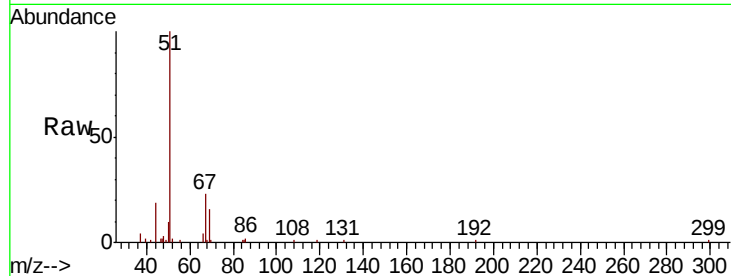
67 22.9 16.8 25.2

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#4

Chloromethane

Concen: 0.454 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034553.D

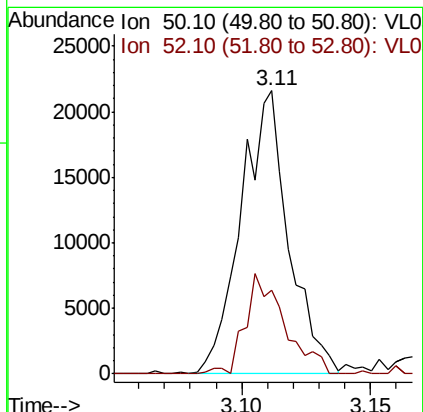
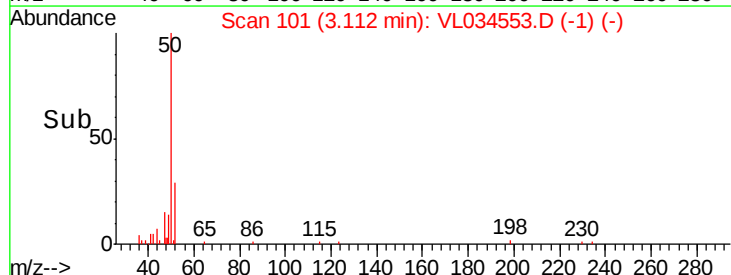
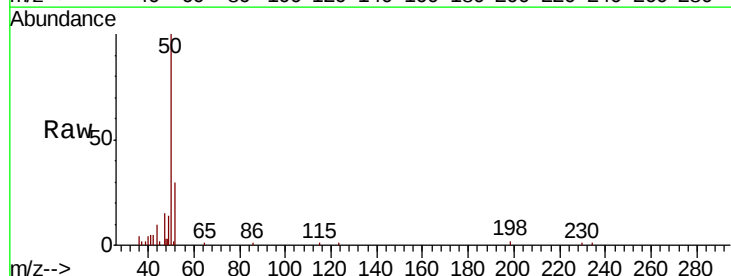
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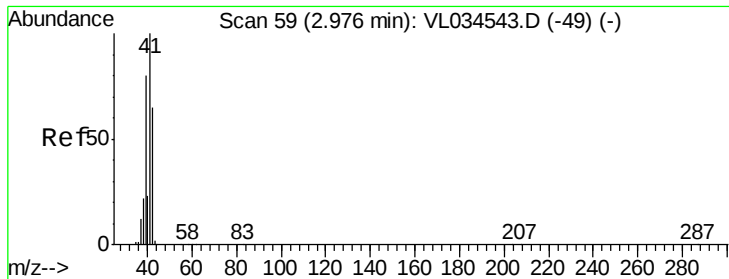
Tgt Ion: 50 Resp: 27983

Ion Ratio Lower Upper

50 100

52 29.5 27.6 41.4





#9

Propene

Concen: 1.068 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034553.D

Acq: 2 Jan 2020 19:20

Instrument :

MSVOA_L

ClientSampled :

50-2

Tot Ion: 41 Resp: 42709

Ion Ratio Lower Upper

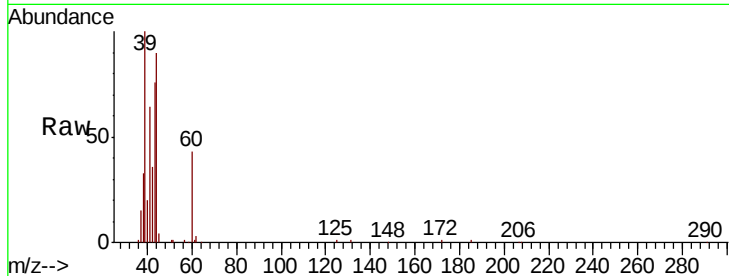
41 100

42 65.3 55.8 83.6

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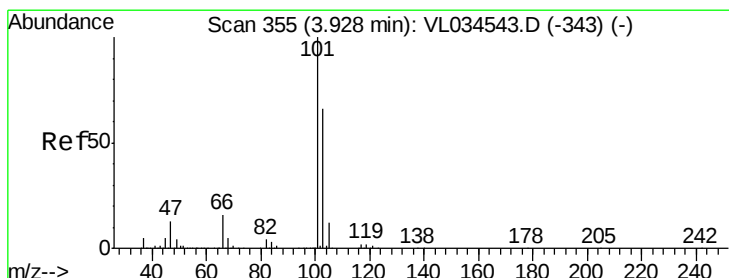
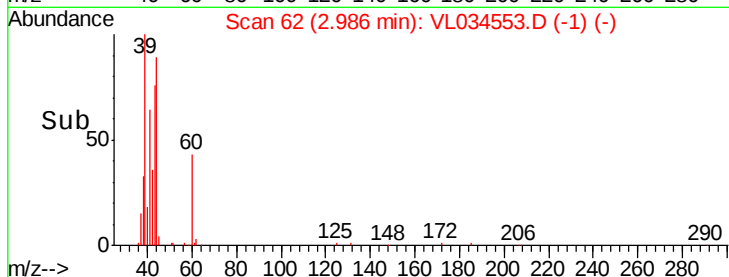
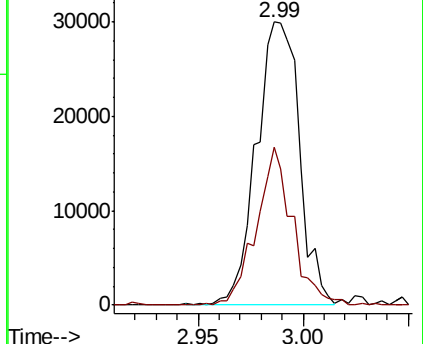
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.258 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL034553.D

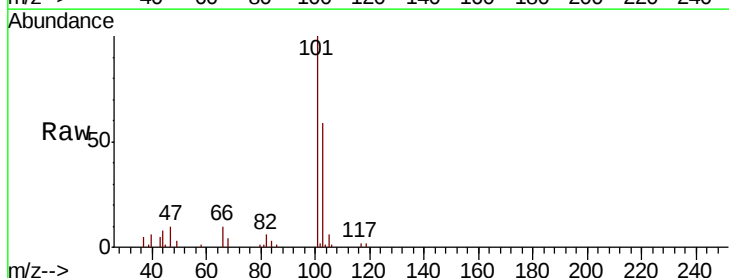
Acq: 2 Jan 2020 19:20

Tgt Ion: 101 Resp: 41049

Ion Ratio Lower Upper

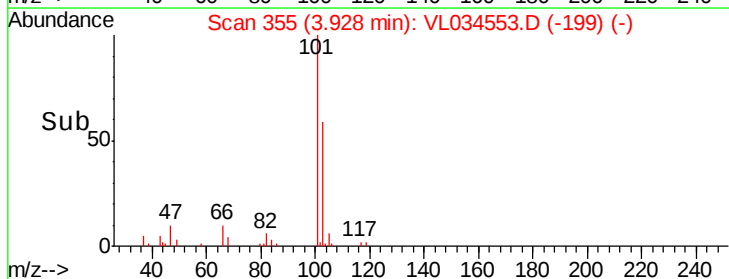
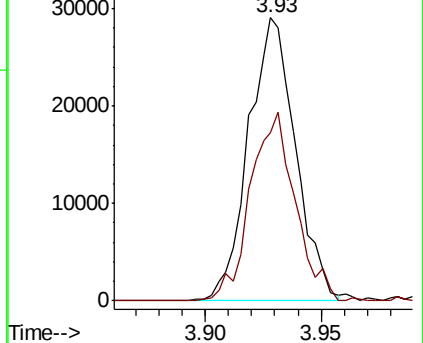
101 100

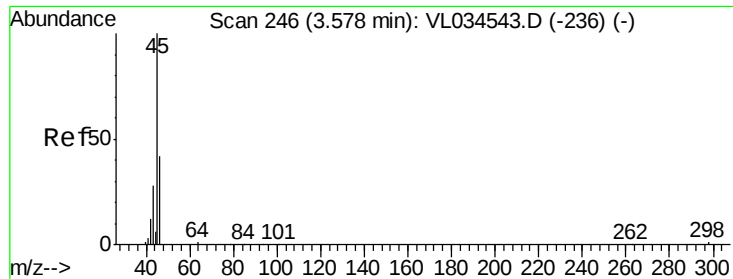
103 59.2 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





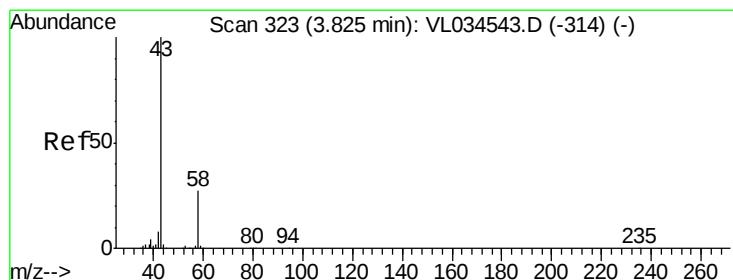
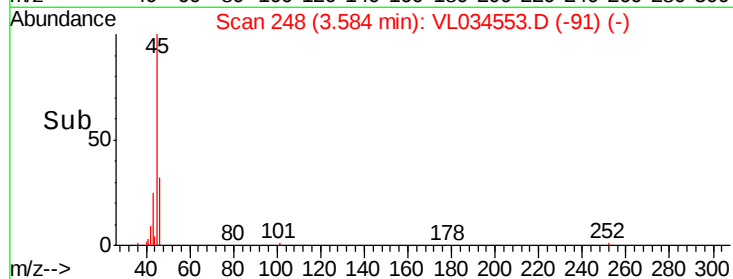
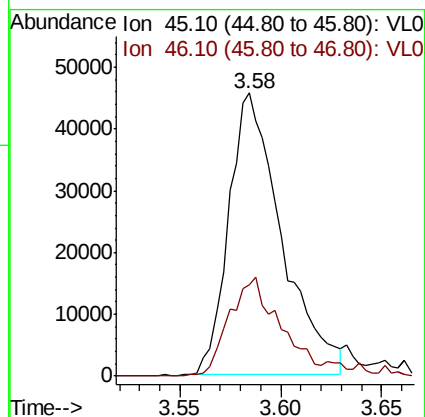
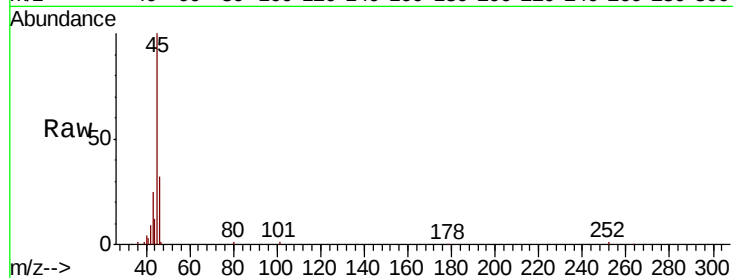
#13
Ethanol
Concen: 7.534 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Instrument :
MSVOA_L
ClientSampled :
50-2

Tot Ion	45	Resp	83553
Ion Ratio	100	Lower	Upper
45	100		
46	37.4	14.9	59.7

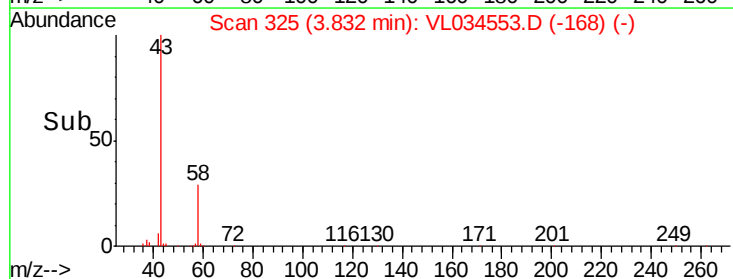
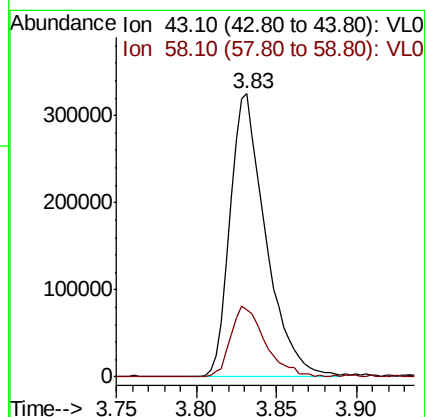
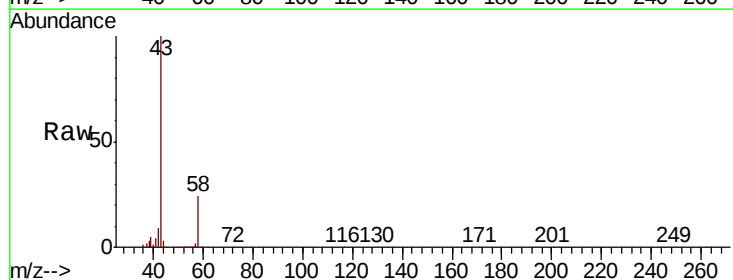
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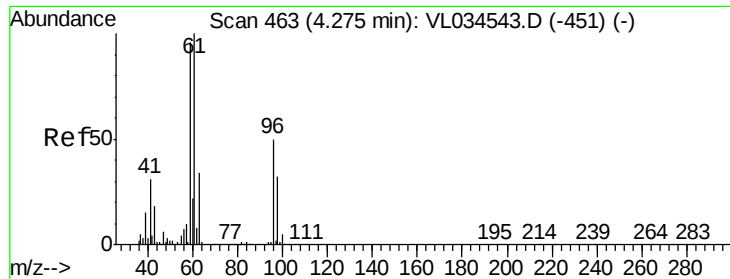
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#15
Acetone
Concen: 3.904 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Tgt Ion	43	Resp	495726
Ion Ratio	100	Lower	Upper
43	100		
58	24.2	20.4	30.6





#17

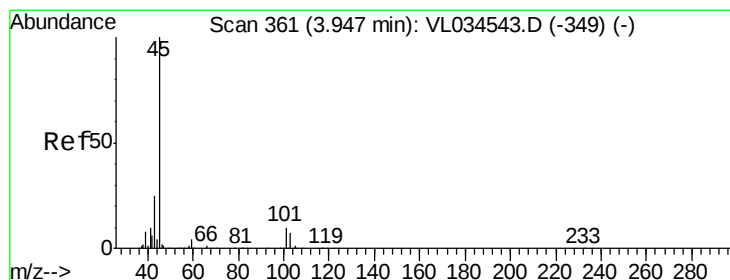
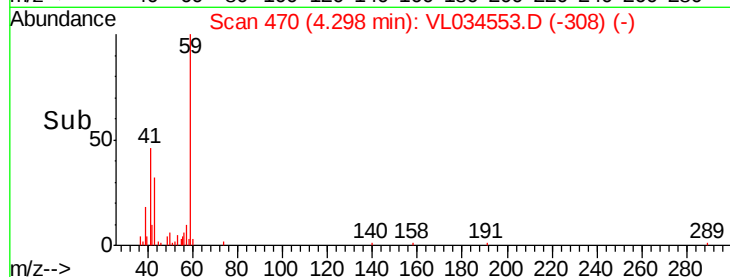
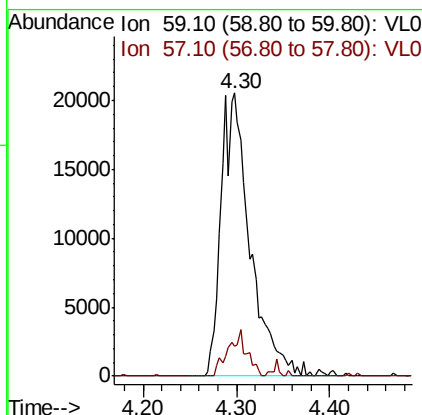
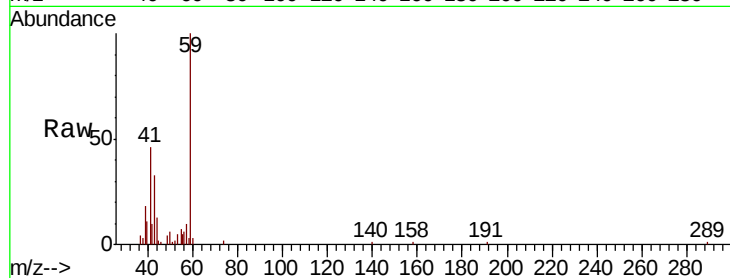
tert-Butyl alcohol
 Concen: 0.439 ppbv m
 RT: 4.30 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VL034553.D
 Acq: 2 Jan 2020 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 50-2

Tot Ion	59	Resp	44637
Ion Ratio	Lower	Upper	
59	100		
57	11.6	8.6	12.8

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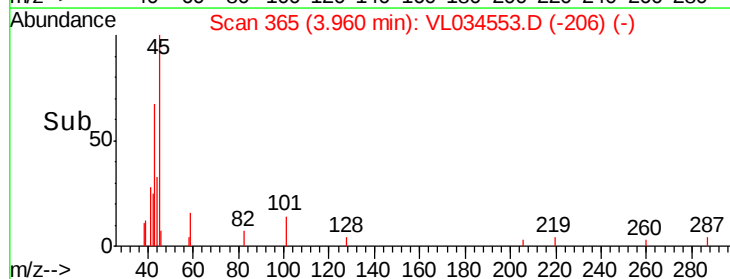
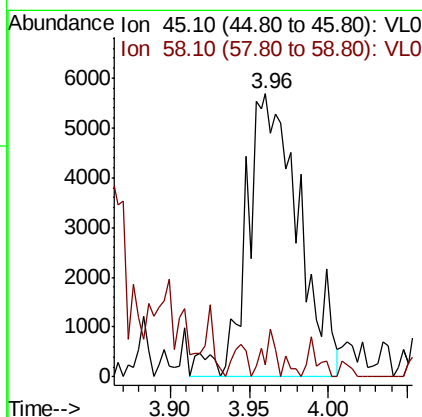
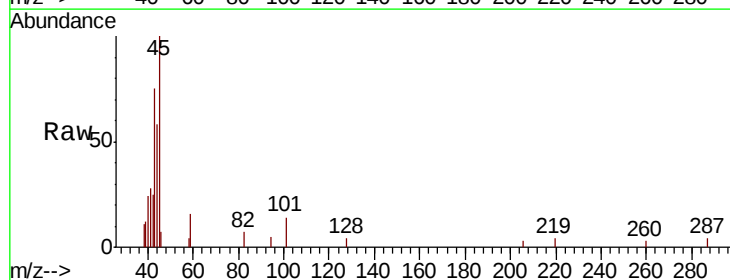
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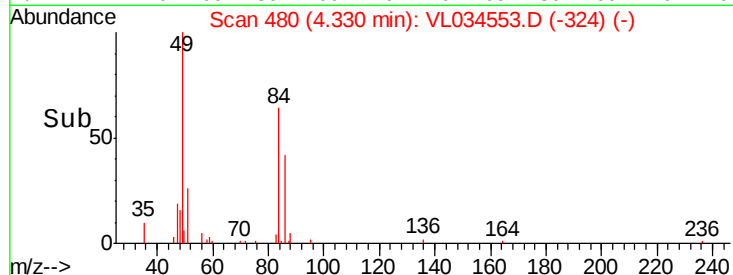
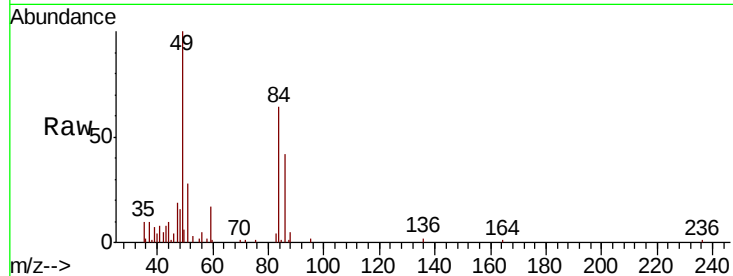
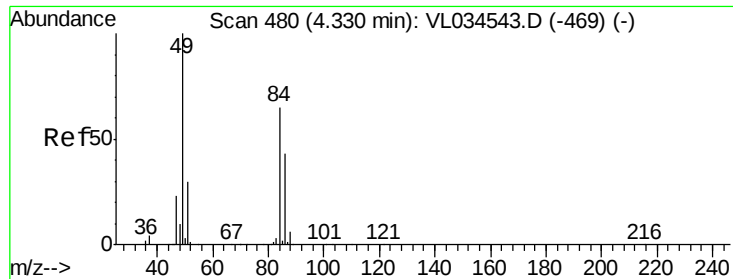


#19

Isopropyl Alcohol
 Concen: 0.161 ppbv m
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL034553.D
 Acq: 2 Jan 2020 19:20

Tgt Ion	45	Resp	13268
Ion Ratio	Lower	Upper	
45	100		
58	0.0	1.4	2.0#





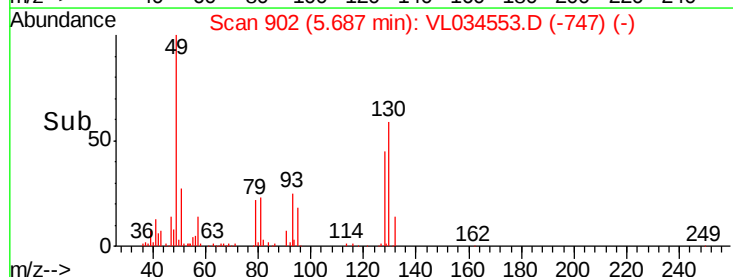
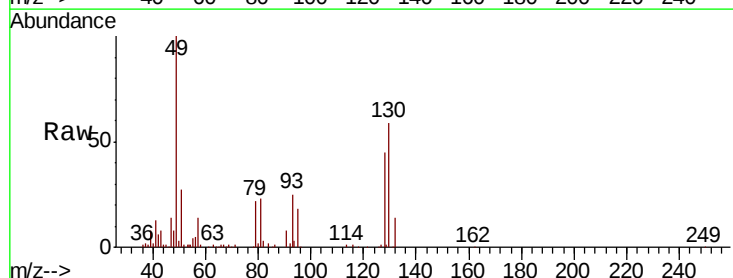
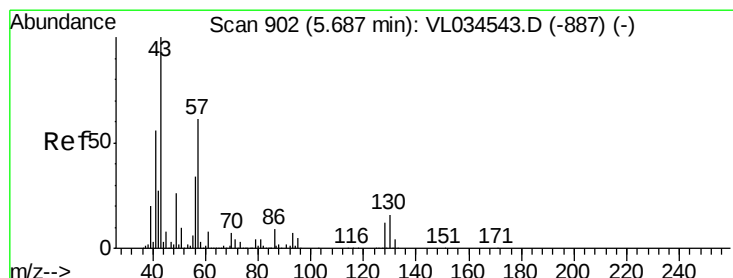
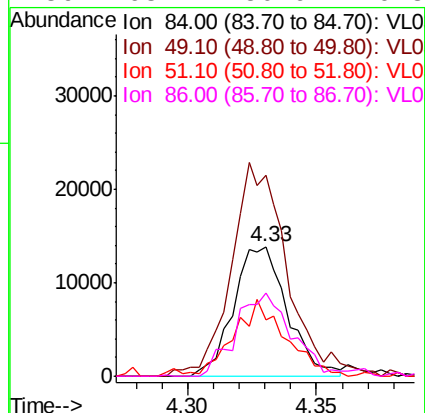
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Methvlene Chloride
Concen: 0.405 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Tot Ion	84	Resp	20214
Ion Ratio	Lower	Upper	
84	100		
49	154.0	124.4	186.6
51	39.6	37.0	55.6
86	63.1	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
50-2

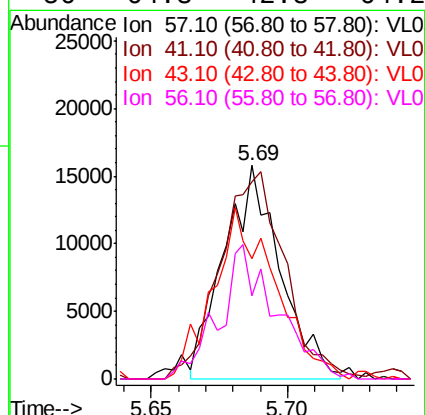
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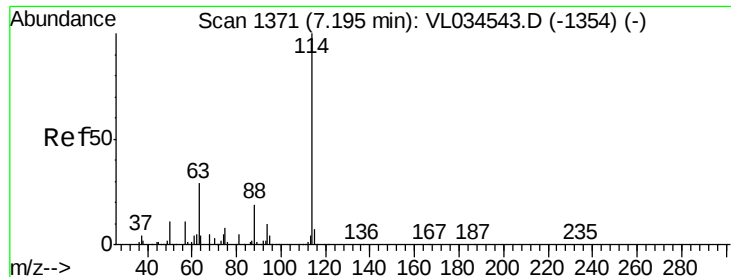
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#26
Hexane
Concen: 0.271 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Tgt Ion	57	Resp	22641
Ion Ratio	Lower	Upper	
57	100		
41	113.8	75.3	112.9#
43	90.0	189.4	284.2#
56	64.3	42.8	64.2#





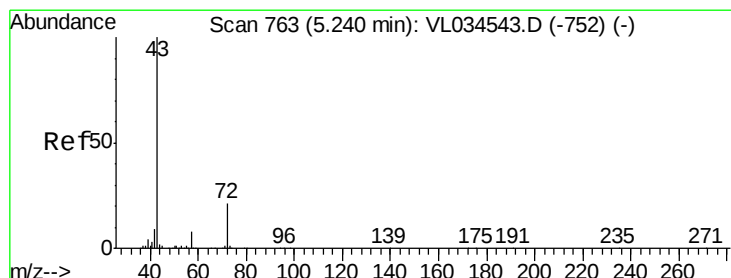
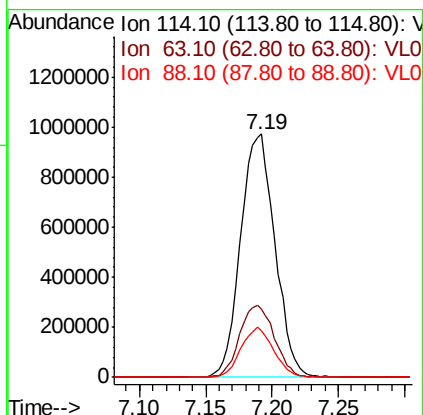
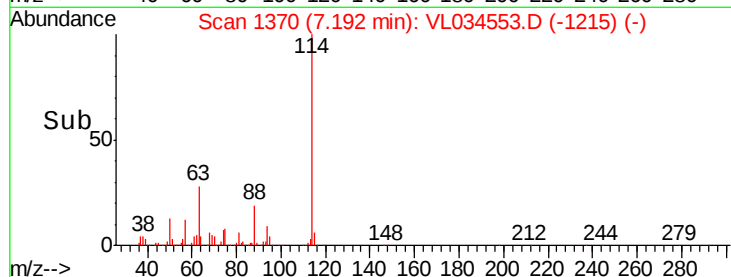
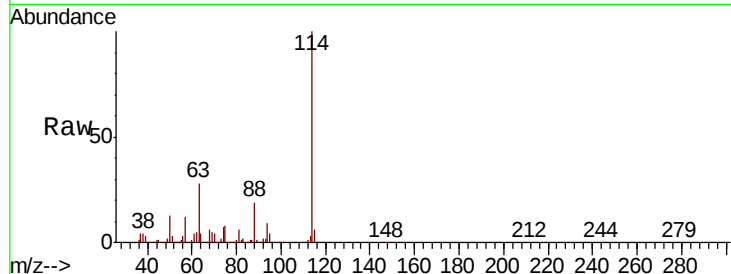
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034553.D
 Acq: 2 Jan 2020 19:20

Instrument :
 MSVOA_L
 ClientSampled :
 50-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.1	36.1
88	19.4	15.7	23.5

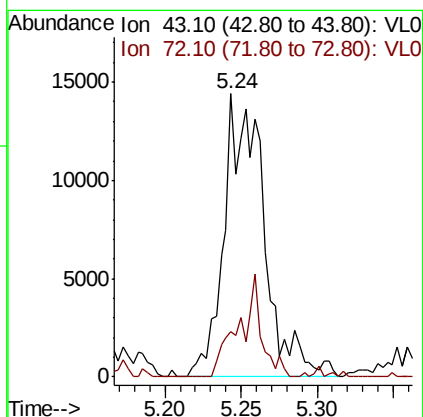
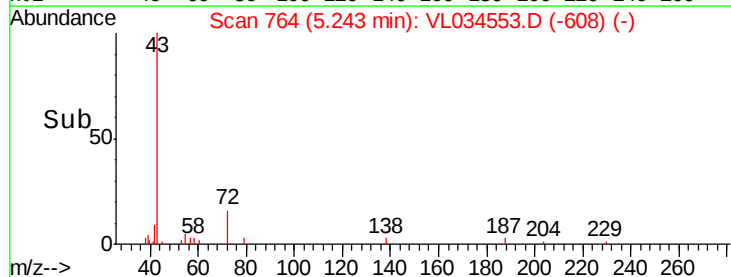
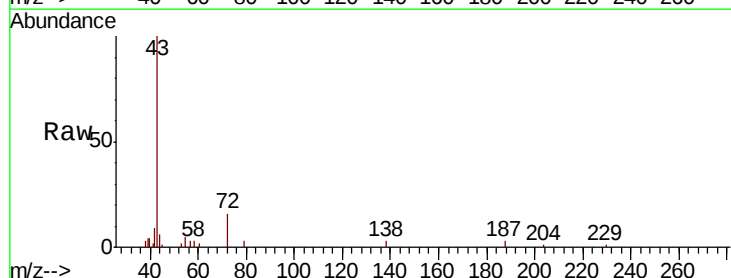
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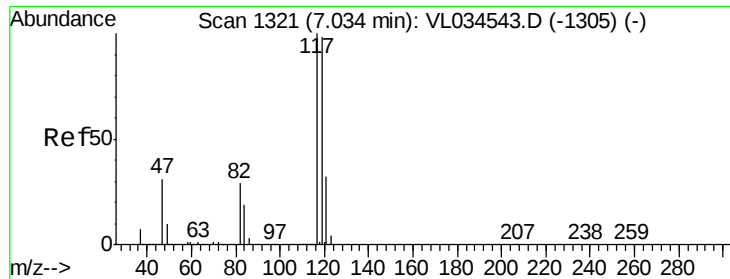
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#34
 2-Butanone
 Concen: 0.209 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL034553.D
 Acq: 2 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.4#





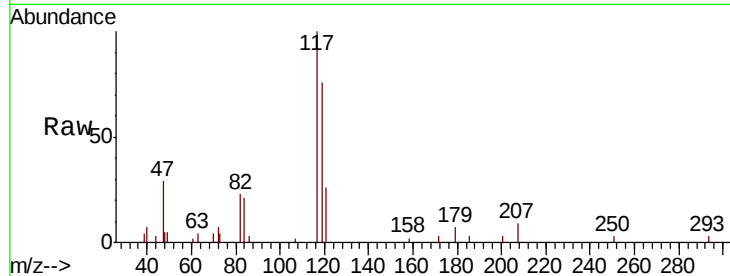
#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.03 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Instrument :
MSVOA_L
ClientSampled :
50-2

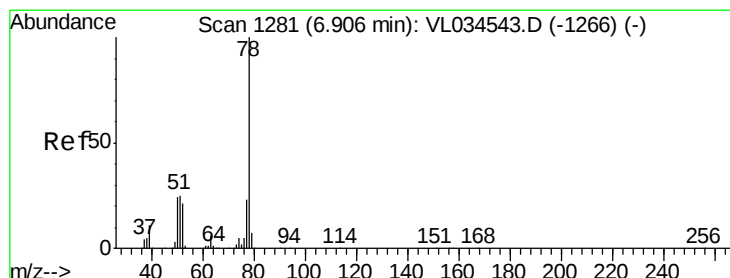
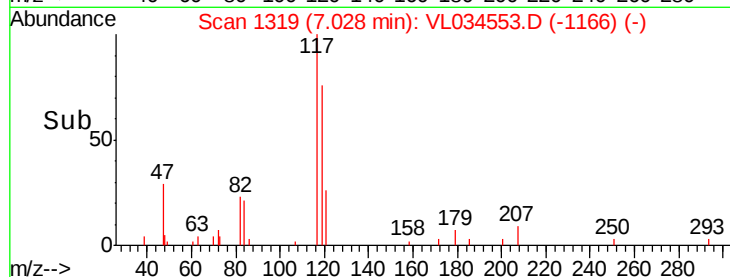
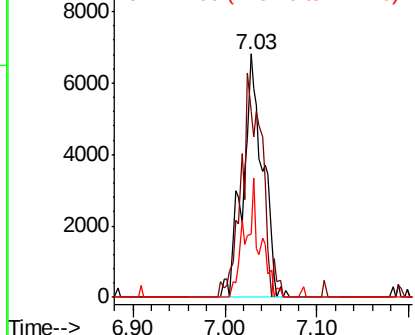
Tot Ion	Ratio	Lower	Upper
117	100		
119	76.4	78.7	118.1#
121	25.7	25.9	38.9#

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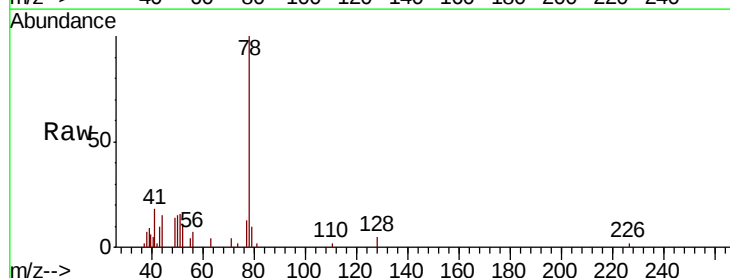


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

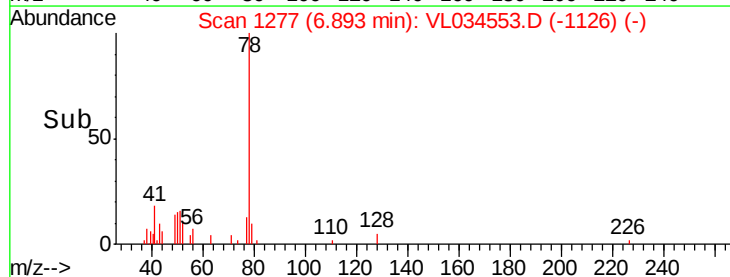
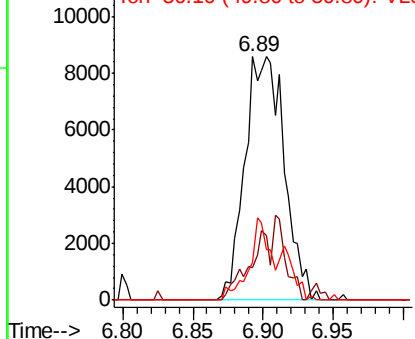


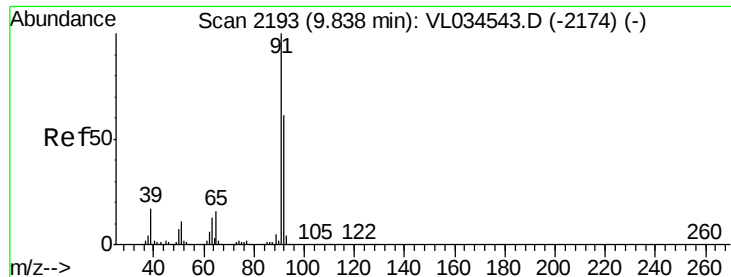
#36
Benzene
Concen: 0.110 ppbv m
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	13.2	18.6	28.0#
50	15.5	18.8	28.2#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#53

Toluene

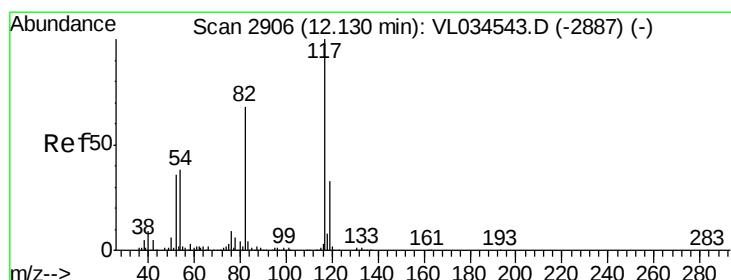
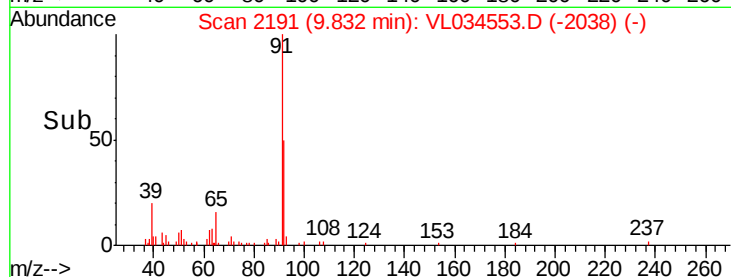
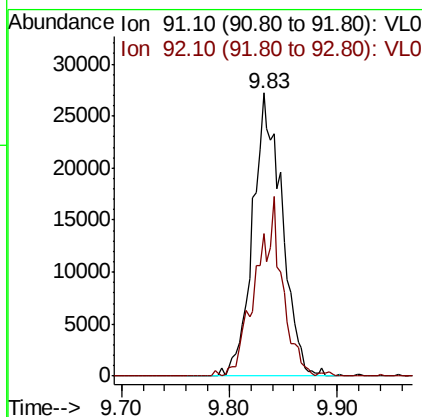
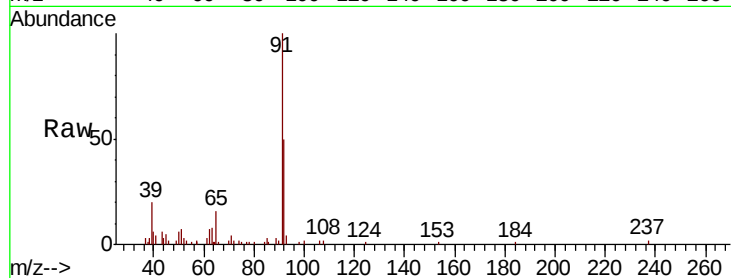
Concen: 0.305 ppbv m
RT: 9.83 min Scan# 2191
Delta R.T. -0.01 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Instrument :
MSVOA_L
ClientSampled :
50-2

Tot Ion: 91 Resp: 51269
Ion Ratio Lower Upper
91 100
92 57.2 48.4 72.6

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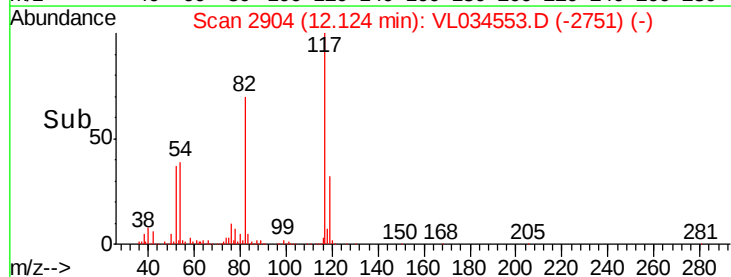
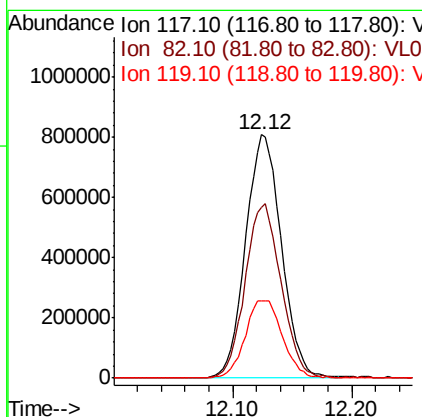
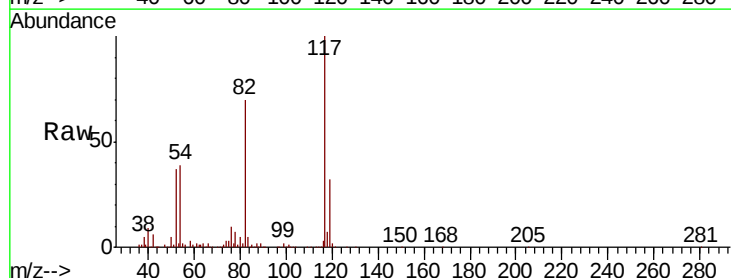


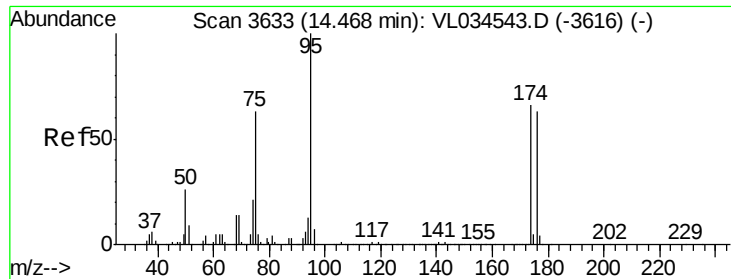
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL034553.D
Acq: 2 Jan 2020 19:20

Tgt Ion: 117 Resp: 1686068
Ion Ratio Lower Upper
117 100
82 72.2 56.2 84.4
119 33.4 27.1 40.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.185 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VL034553.D
 Acq: 2 Jan 2020 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 50-2

Tot Ion:	95	Resp:	1432932
Ion Ratio	Lower	Upper	
95	100		
174	64.6	52.4	78.6
175	4.6	3.9	5.9

Manual Integrations
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