

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034549.D
 Acq On : 2 Jan 2020 16:41
 Operator : SY/AP
 Sample : K6473-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MJ-2

Manual Integrations
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Quant Time: Jan 03 05:45:52 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	5.67	49	943610	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1859479	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1818420	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1537441	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	43799	0.294	ppbv	100
3) Chlorodifluoromethane	2.95	51	113968m	1.014	ppbv	
4) Chloromethane	3.11	50	28092	0.421	ppbv	99
9) Propene	2.99	41	175464m	4.048	ppbv	
11) Trichlorofluoromethane	3.93	101	44578	0.259	ppbv	98
13) Ethanol	3.59	45	4225273	351.321	ppbv	98
15) Acetone	3.83	43	910490	6.612	ppbv	96
17) tert-Butyl alcohol	4.29	59	24544m	0.223	ppbv	
19) Isopropyl Alcohol	3.96	45	504897	5.664	ppbv #	97
20) Methylene Chloride	4.33	84	16323	0.301	ppbv #	67
34) 2-Butanone	5.24	43	148295	1.116	ppbv	98
35) Carbon Tetrachloride	7.04	117	12184m	0.072	ppbv	
36) Benzene	6.90	78	27192m	0.168	ppbv	
41) Tetrahydrofuran	6.06	42	24936m	0.366	ppbv	
52) Tetrachloroethene	11.26	164	3309m	0.052	ppbv	
53) Toluene	9.84	91	99795m	0.560	ppbv	

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

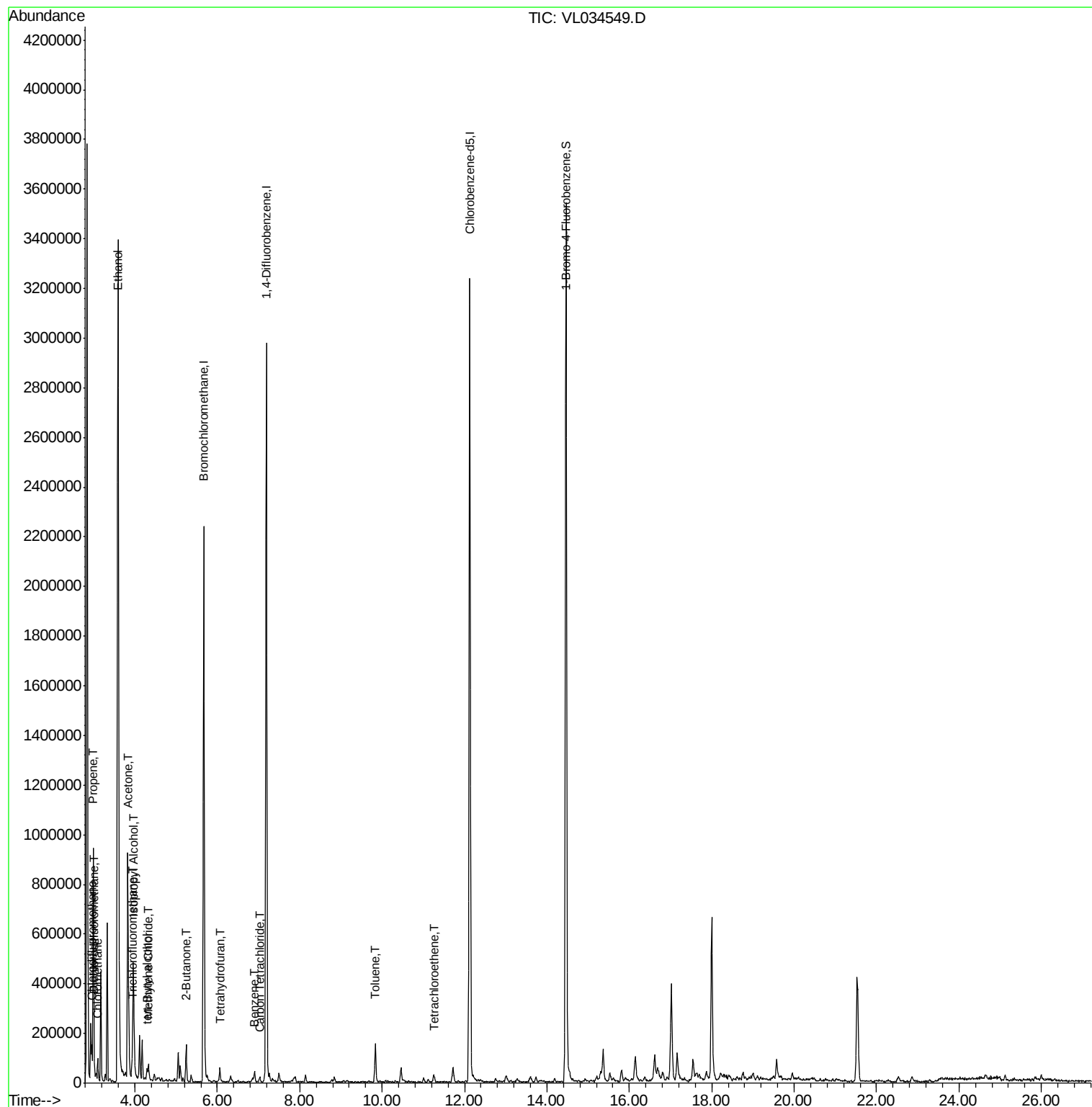
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010220\
Data File : VL034549.D
Acq On : 2 Jan 2020 16:41
Operator : SY/AP
Sample : K6473-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

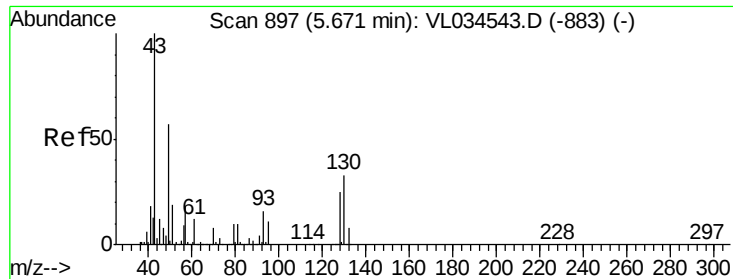
Instrument :
MSVOA_L
ClientSampleId :
MJ-2

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Quant Time: Jan 03 05:45:52 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: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034549.D

Acq: 2 Jan 2020 16:41

Instrument :

MSVOA_L

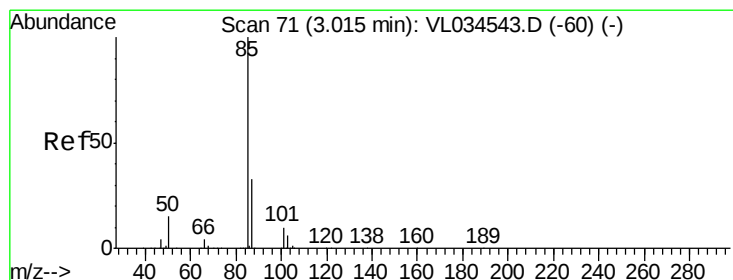
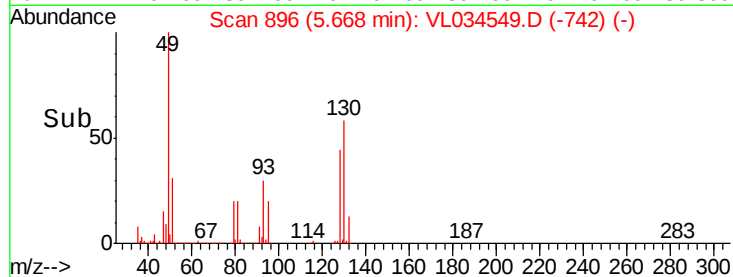
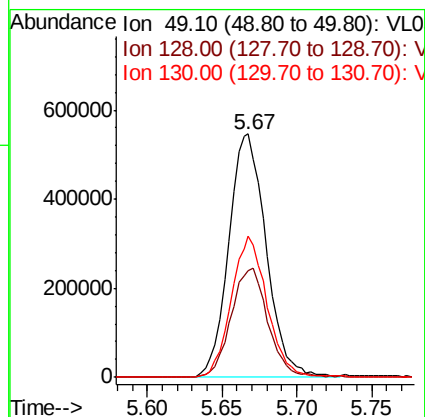
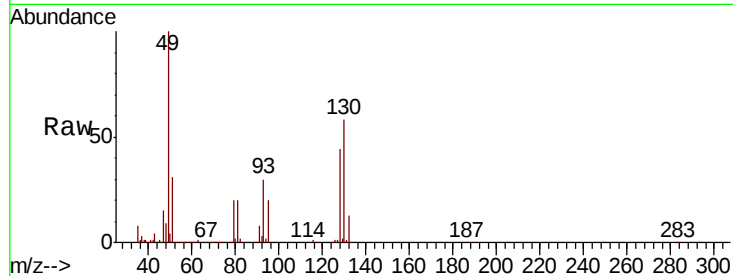
ClientSampled :

MJ-2

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.4	67.2
130	56.3	28.3	85.0

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#2

Dichlorodifluoromethane

Concen: 0.294 ppbv

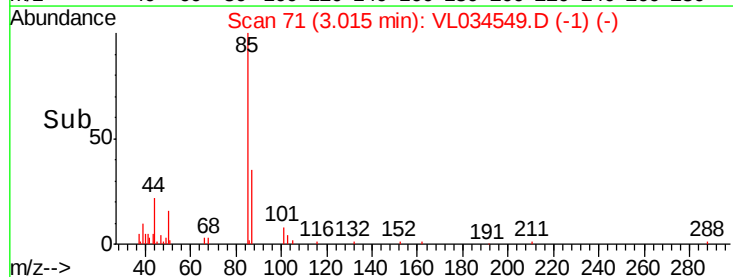
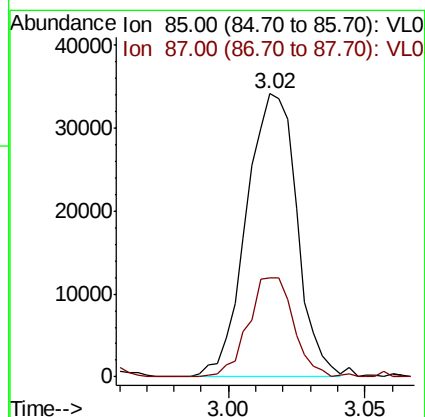
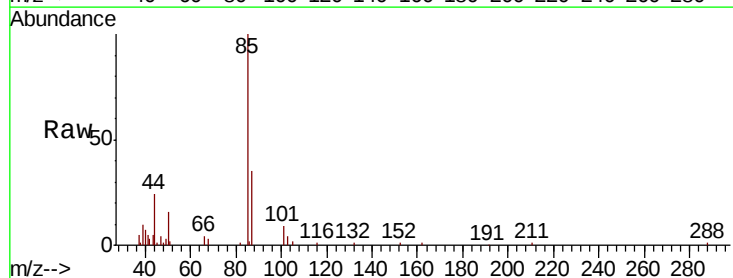
RT: 3.02 min Scan# 71

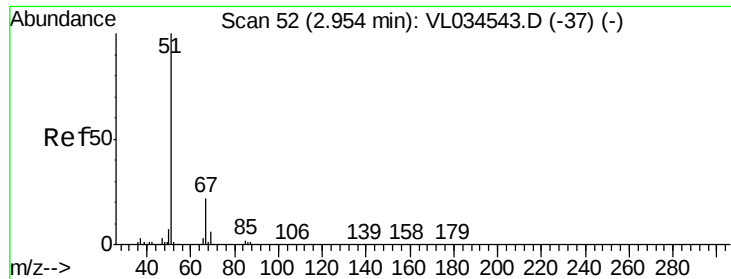
Delta R.T. -0.00 min

Lab File: VL034549.D

Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.8	27.9	41.9





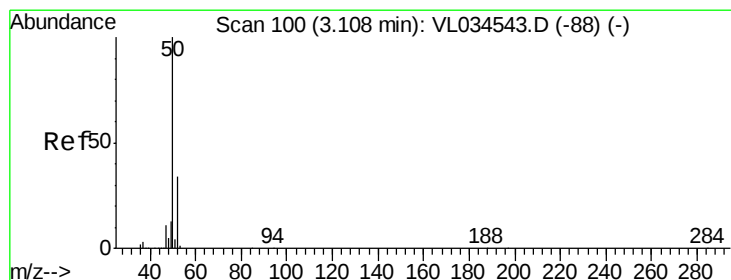
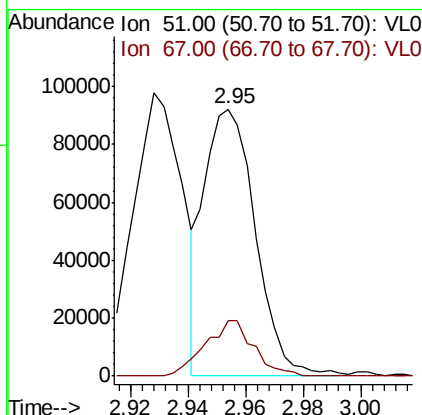
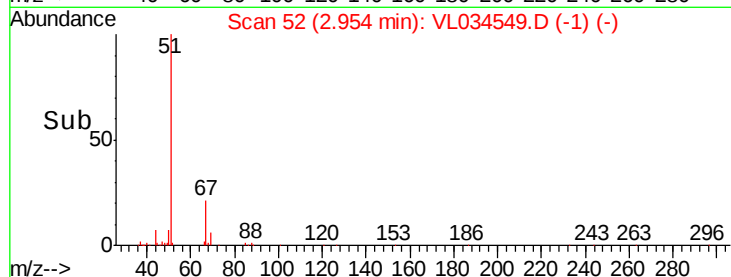
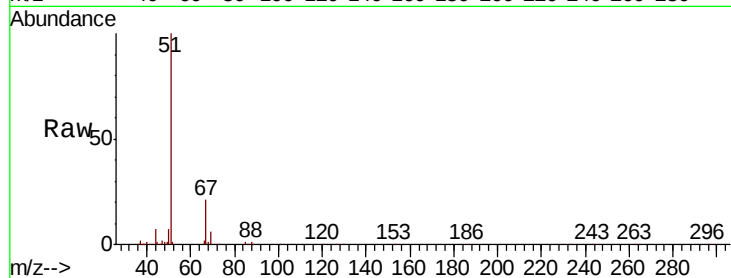
#3
Chlorodifluoromethane
Concen: 1.014 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.8	25.2

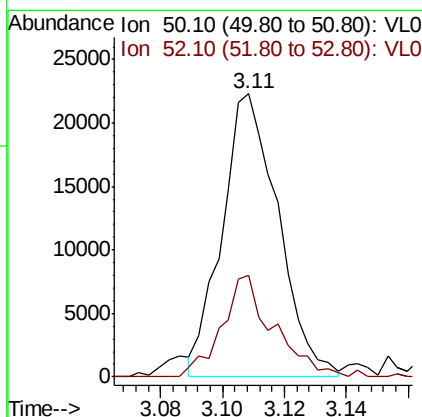
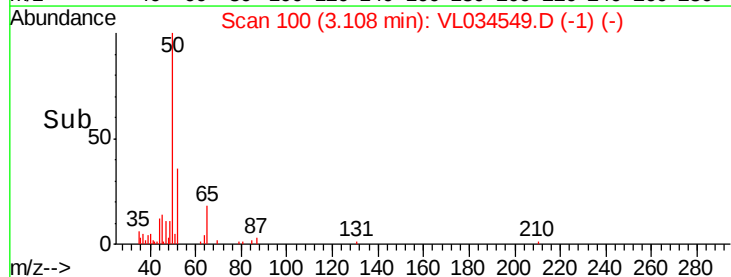
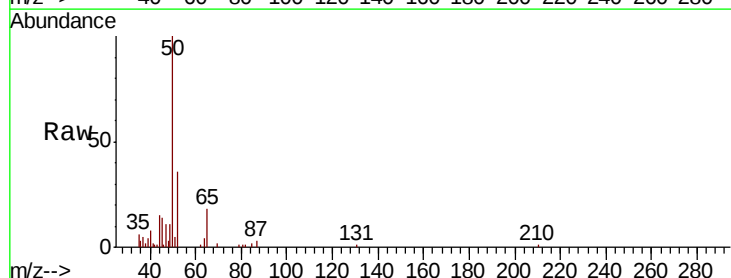
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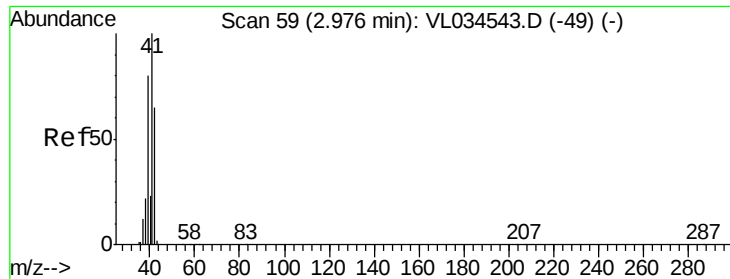
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#4
Chloromethane
Concen: 0.421 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.0	27.6	41.4





#9

Propene

Concen: 4.048 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034549.D

Acq: 2 Jan 2020 16:41

Instrument :

MSVOA_L

ClientSampled :

MJ-2

Tot Ion: 41 Resp: 175464

Ion Ratio Lower Upper

41 100

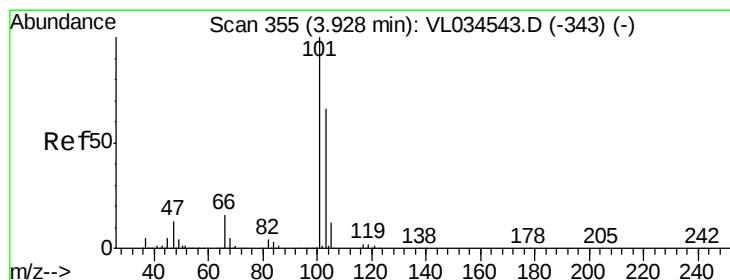
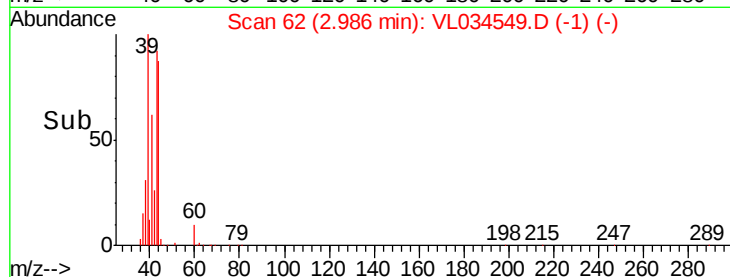
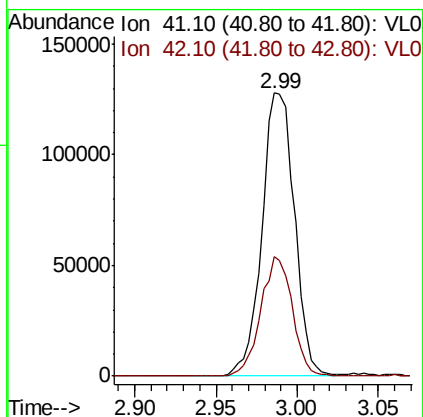
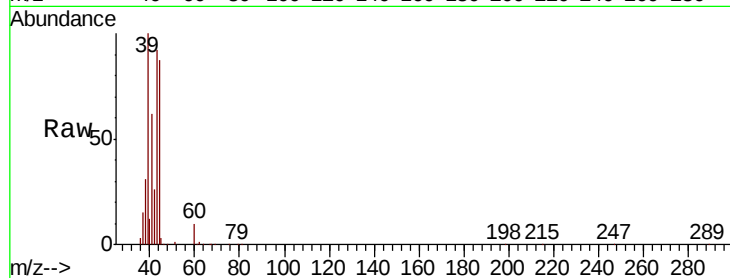
42 42.0 55.8 83.6#

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#11

Trichlorofluoromethane

Concen: 0.259 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL034549.D

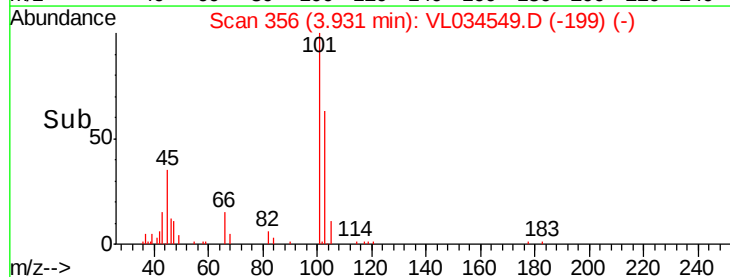
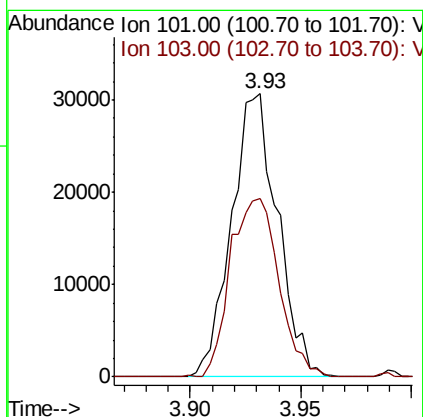
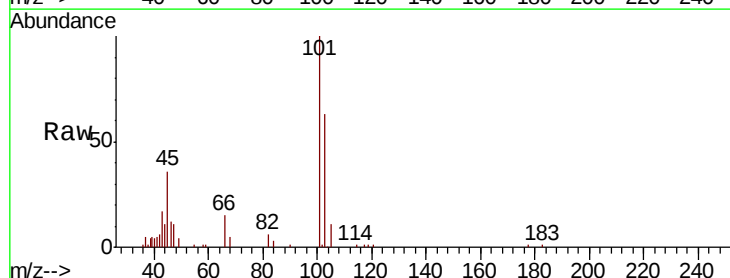
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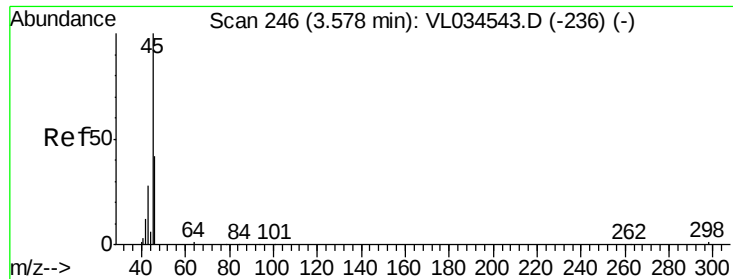
Tgt Ion: 101 Resp: 44578

Ion Ratio Lower Upper

101 100

103 63.2 52.1 78.1





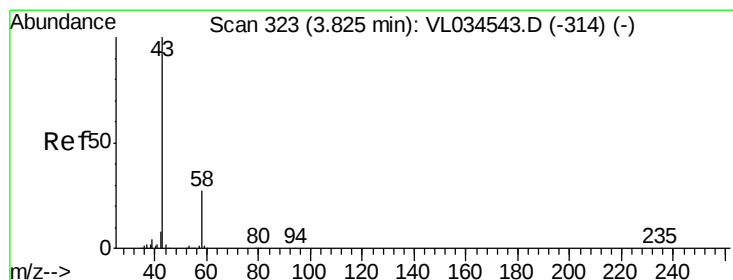
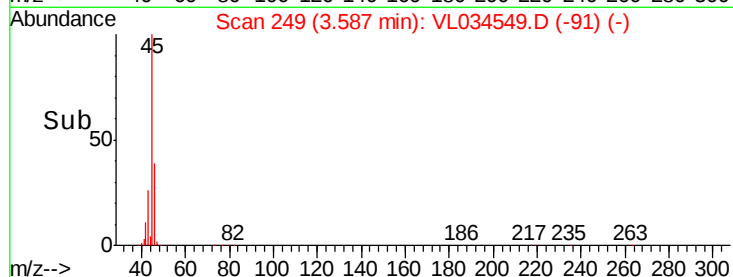
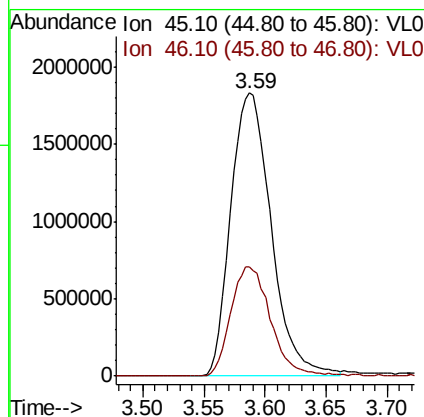
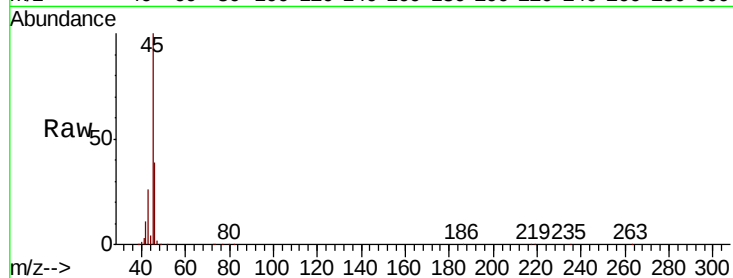
#13
Ethanol
Concen: 351.321 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

Tot Ion: 45 Resp: 4225273
Ion Ratio Lower Upper
45 100
46 38.4 14.9 59.7

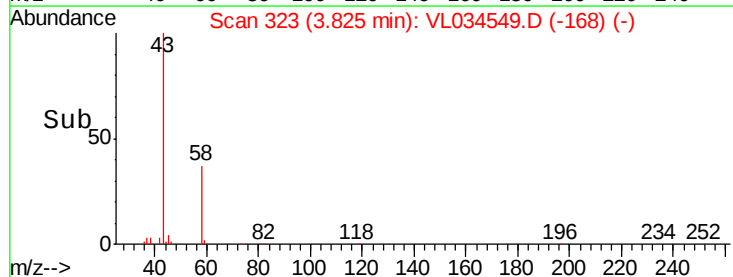
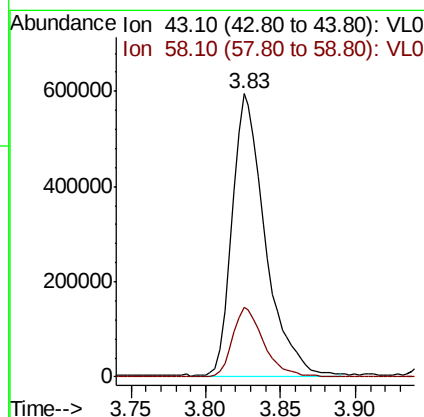
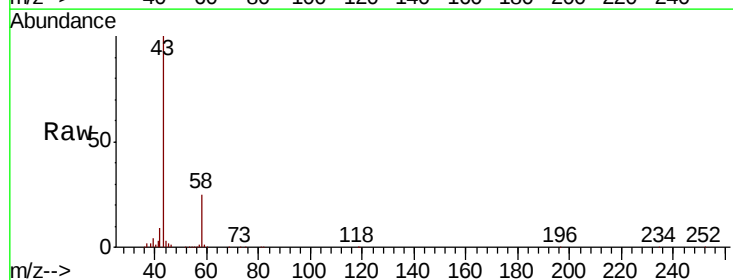
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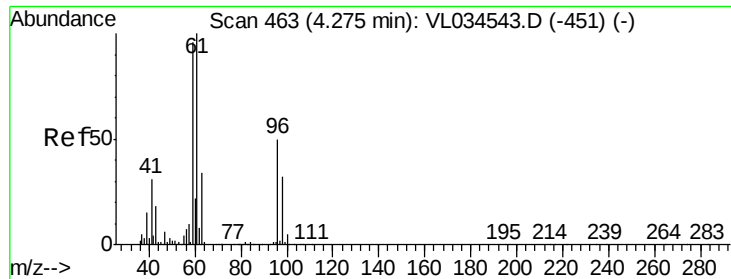
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#15
Acetone
Concen: 6.612 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion: 43 Resp: 910490
Ion Ratio Lower Upper
43 100
58 23.2 20.4 30.6





#17

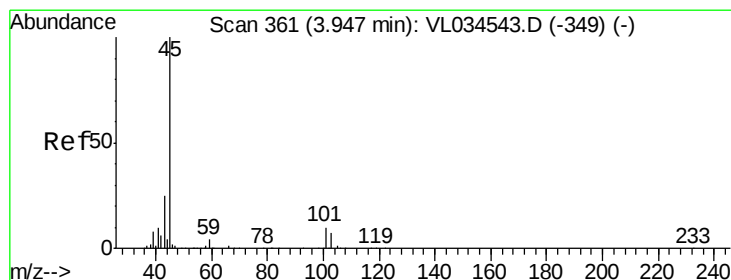
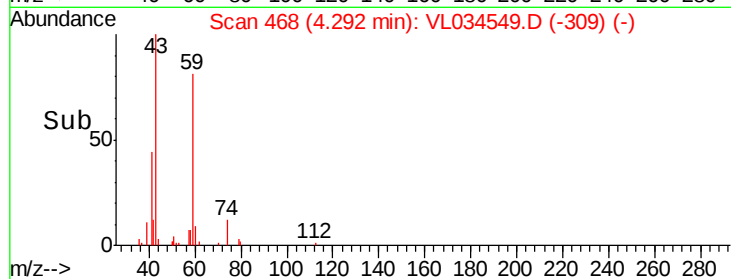
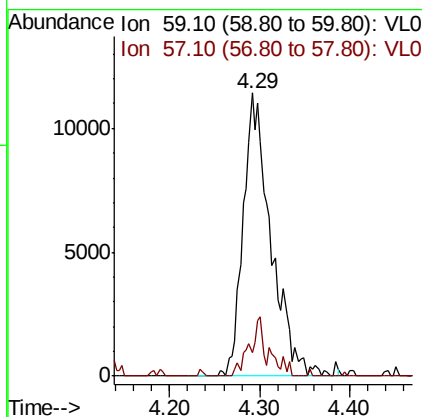
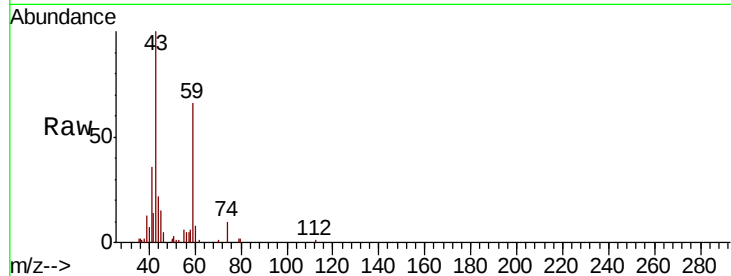
tert-Butyl alcohol
Concen: 0.223 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

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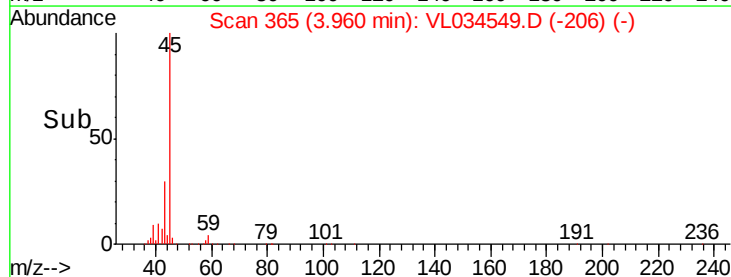
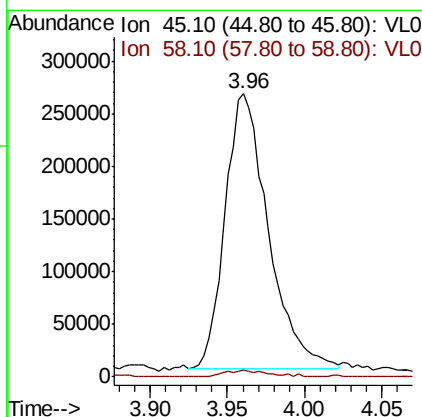
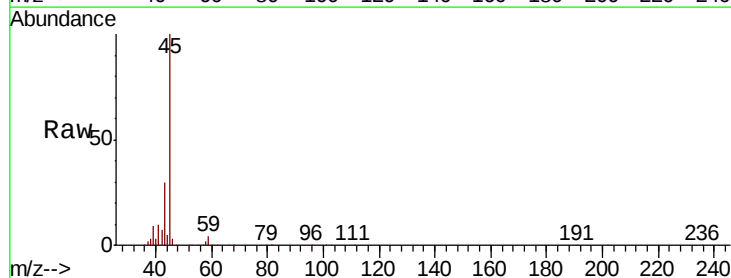
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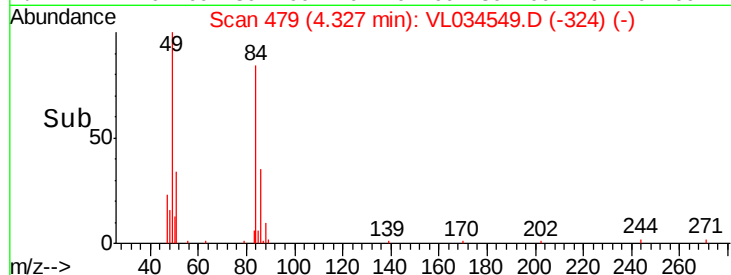
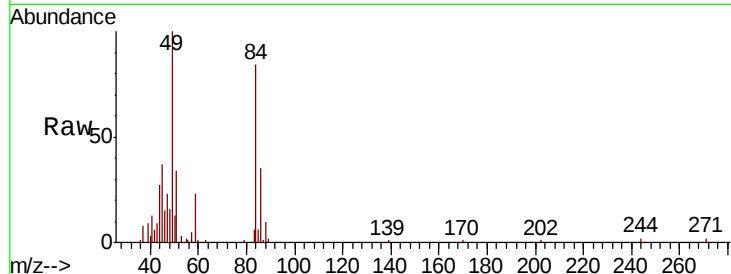
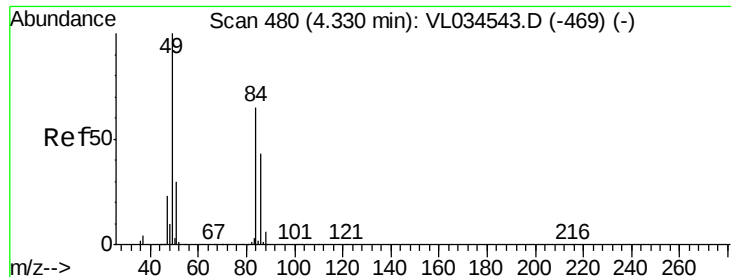


#19

Isopropyl Alcohol
Concen: 5.664 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
45	100		
58	2.9	1.4	2.0#





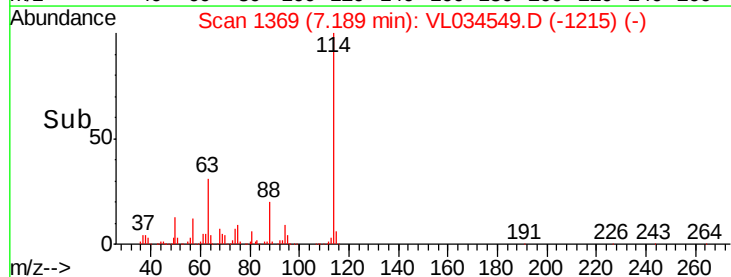
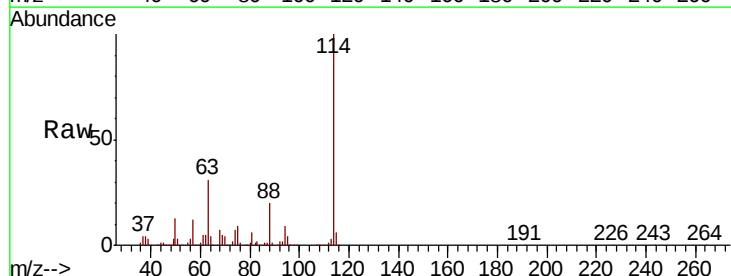
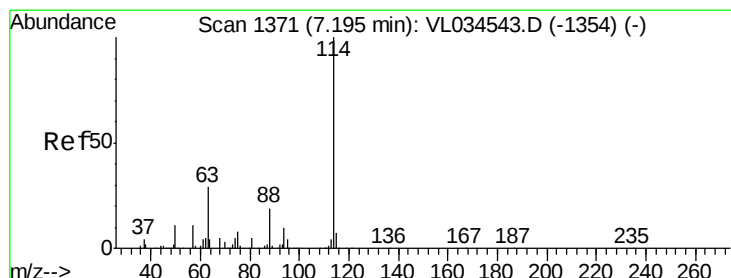
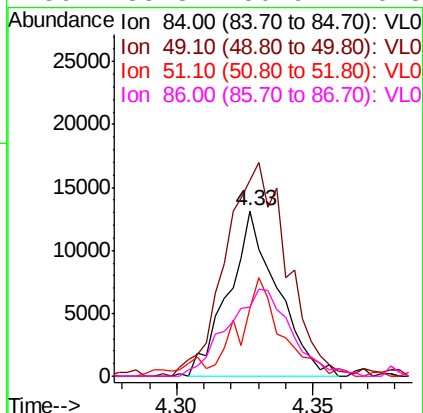
#20
Methylene Chloride
Concen: 0.301 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tot Ion	Ratio	Lower	Upper
84	100		
49	108.5	124.4	186.6#
51	33.7	37.0	55.6#
86	35.3	50.9	76.3#

Instrument :
MSVOA_L
ClientSampled :
MJ-2

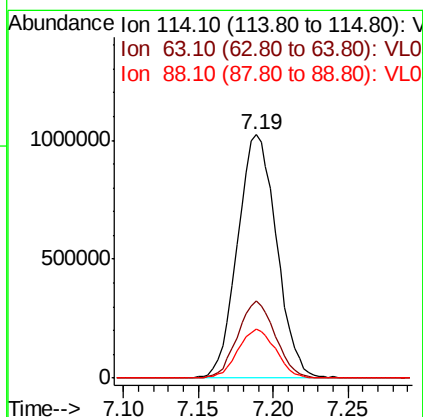
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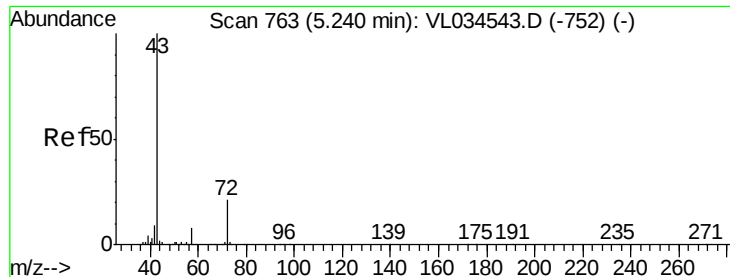
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.1	36.1
88	19.7	15.7	23.5





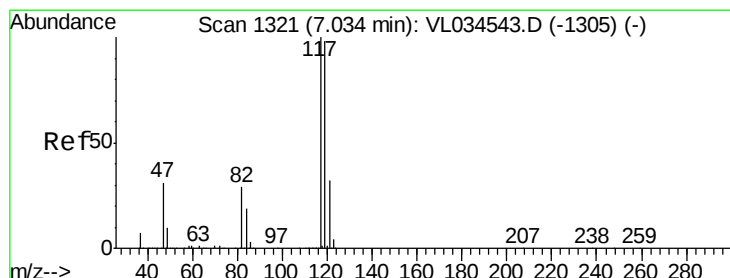
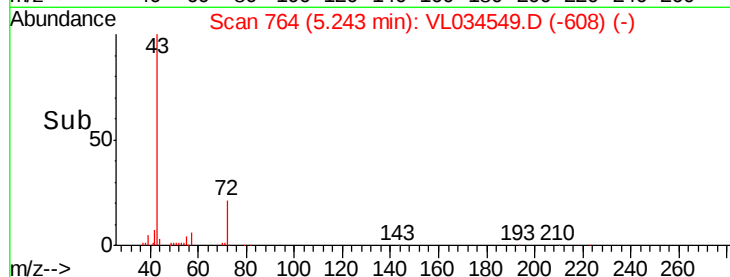
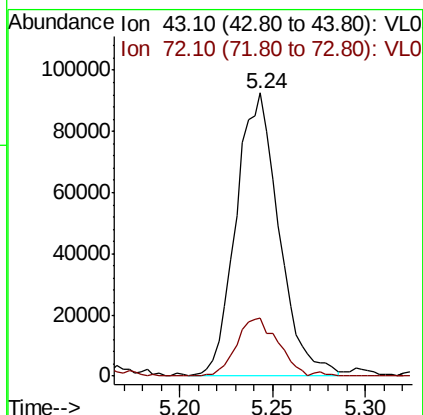
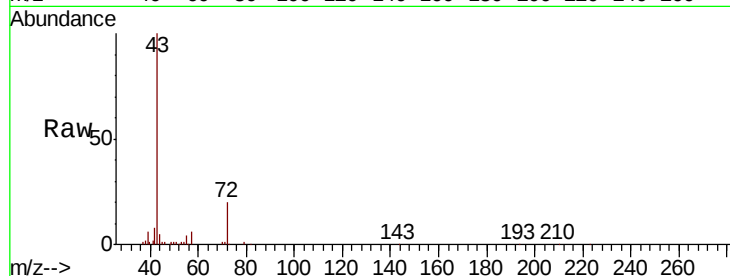
#34
2-Butanone
Concen: 1.116 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

Tot Ion: 43 Resp: 148295
Ion Ratio Lower Upper
43 100
72 20.2 17.0 25.4

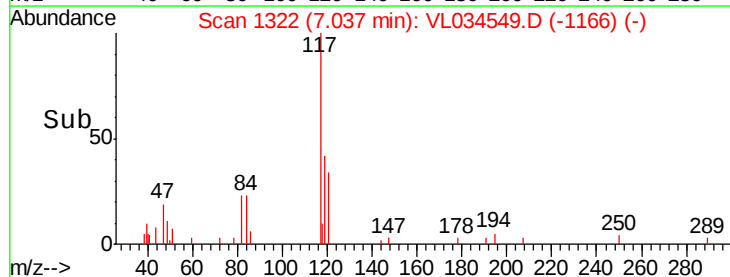
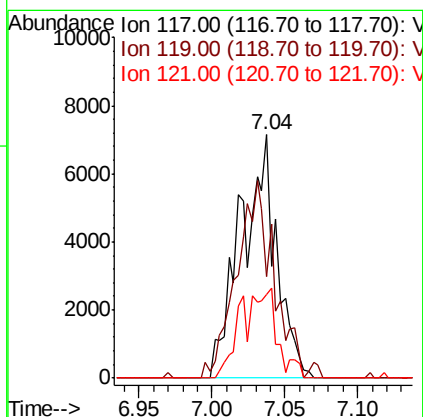
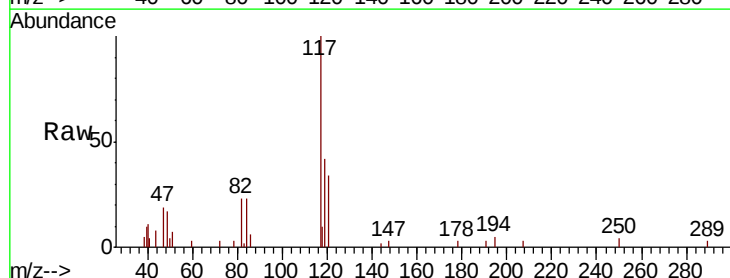
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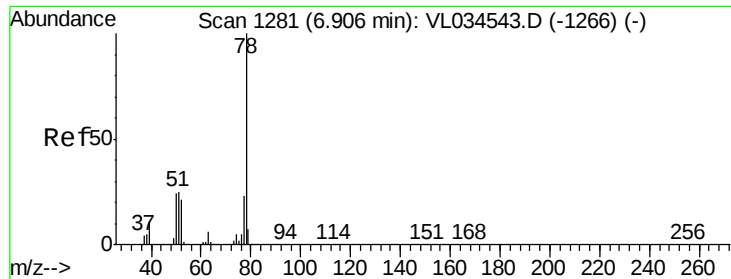
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#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion: 117 Resp: 12184
Ion Ratio Lower Upper
117 100
119 41.6 78.7 118.1#
121 34.1 25.9 38.9





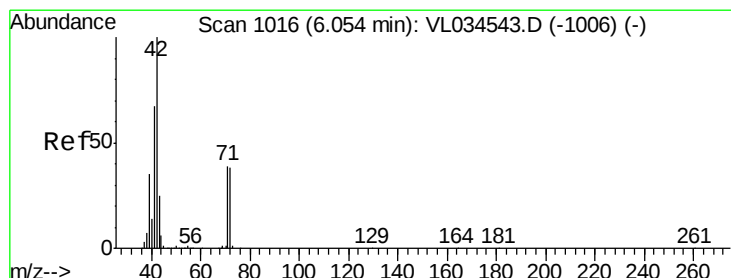
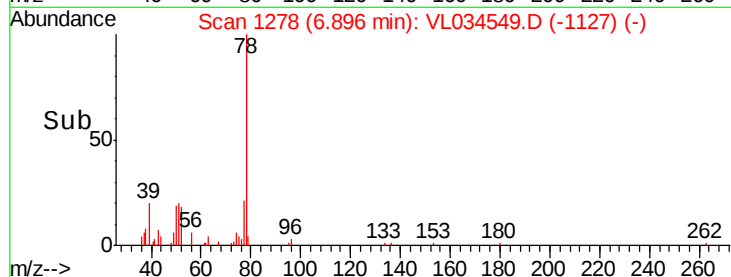
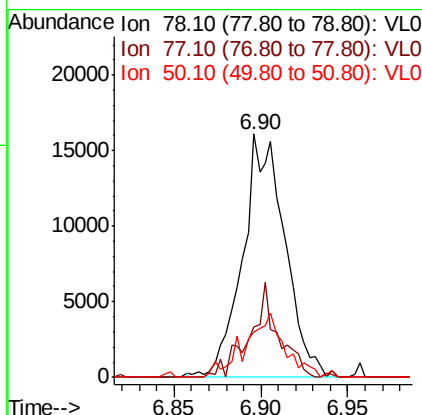
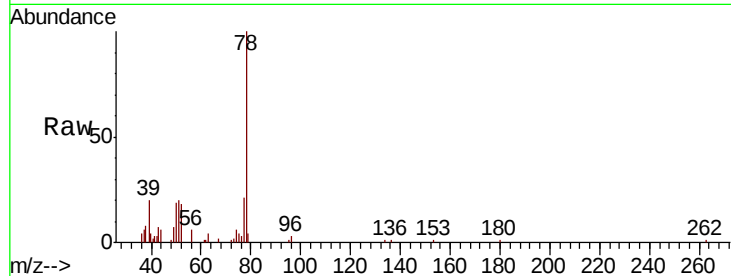
#36
Benzene
Concen: 0.168 ppbv m
RT: 6.90 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.6	28.0
50	18.5	18.8	28.2#

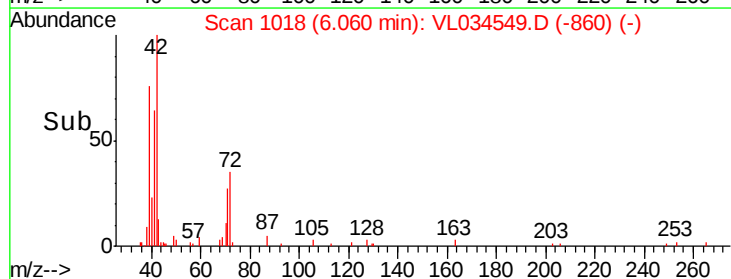
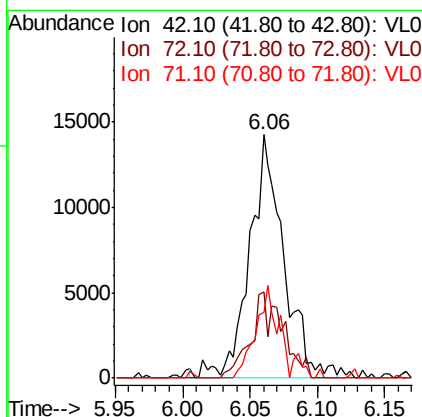
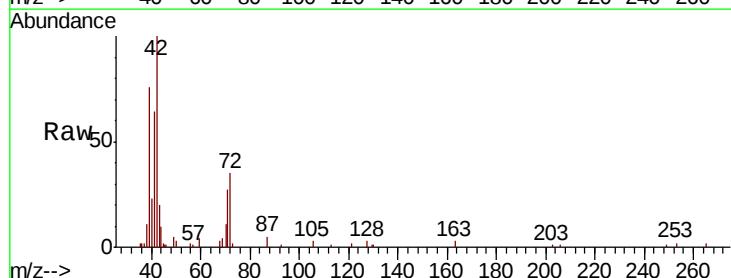
Manual Integrations
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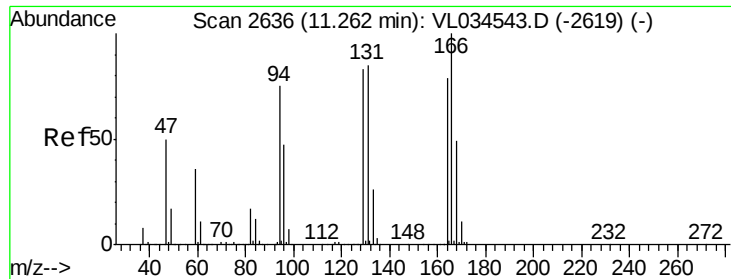
apatel
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#41
Tetrahydrofuran
Concen: 0.366 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.9	43.3#





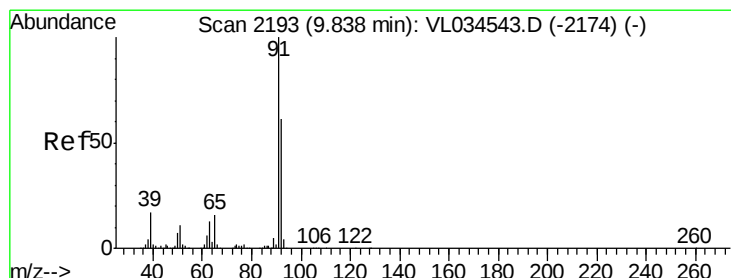
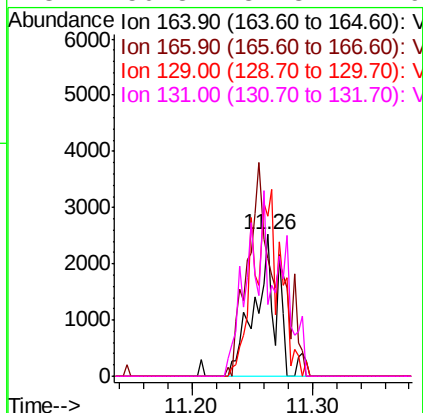
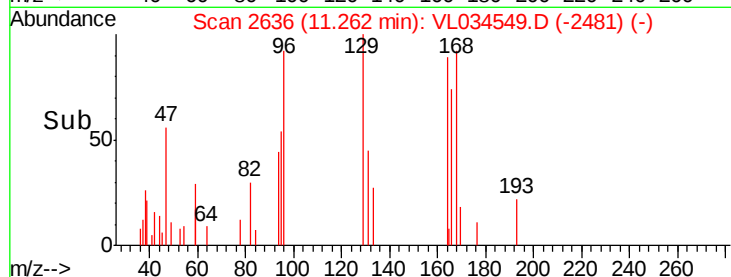
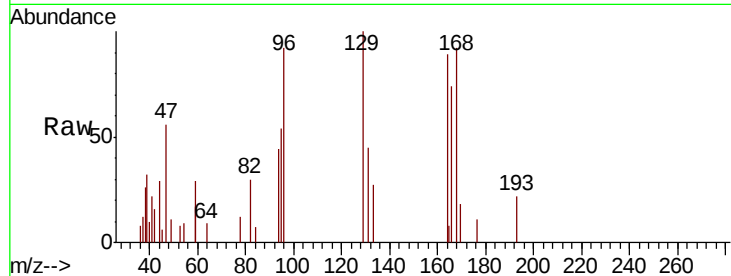
#52
Tetrachloroethene
Concen: 0.052 ppbv m
RT: 11.26 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

Tot Ion	Ratio	Lower	Upper
164	100		
166	83.1	95.7	143.5#
129	112.6	82.2	123.2
131	50.8	81.3	121.9#

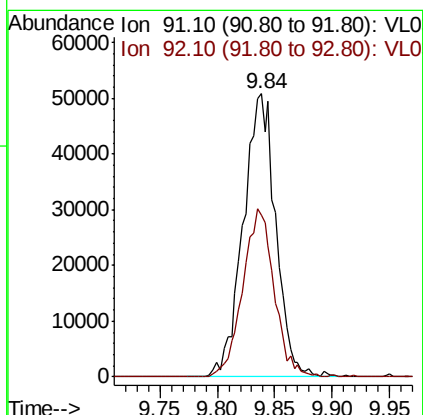
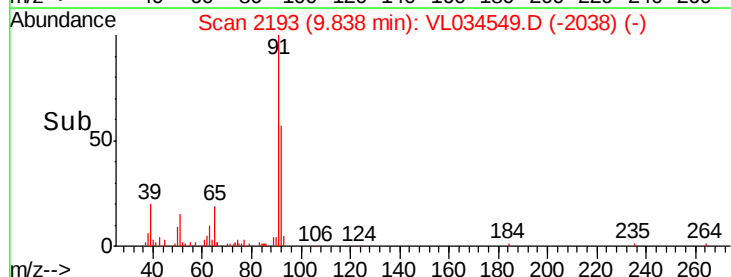
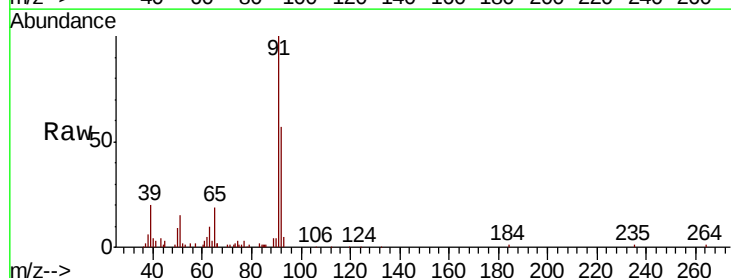
Manual Integrations
APPROVED

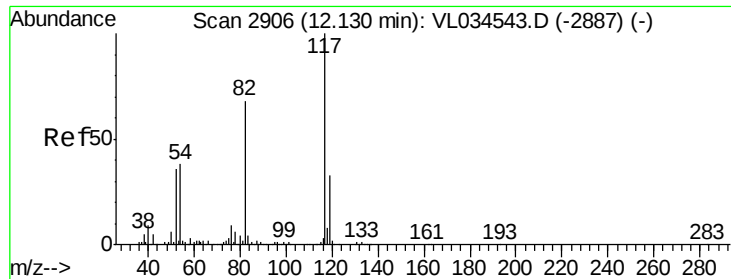
apatel
1/3/2020 12:13:04 PM



#53
Toluene
Concen: 0.560 ppbv m
RT: 9.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	48.4	72.6





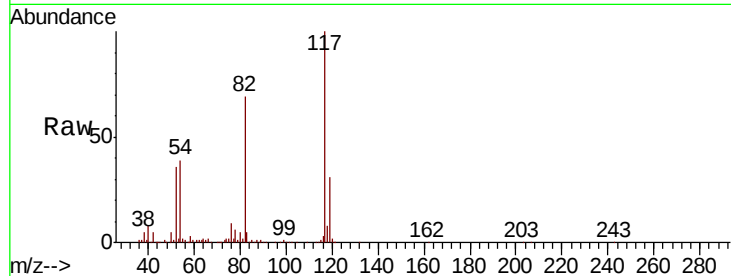
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Instrument :
MSVOA_L
ClientSampled :
MJ-2

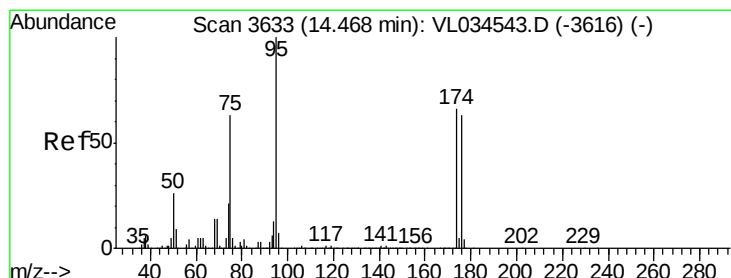
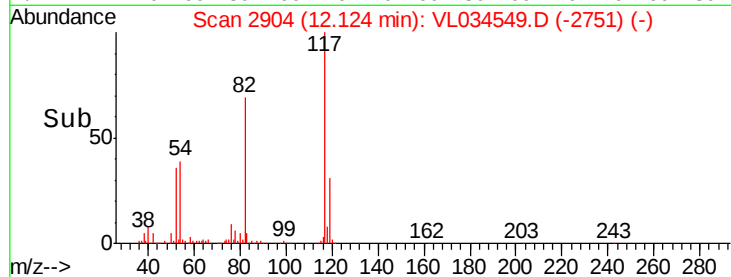
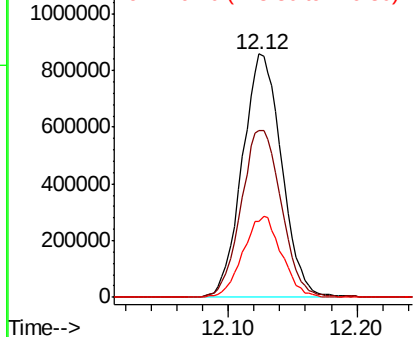
Tot Ion	Ratio	Lower	Upper
117	100		
82	71.0	56.2	84.4
119	32.4	27.1	40.7

Manual Integrations
APPROVED

apatel
1/3/2020 12:13:04 PM

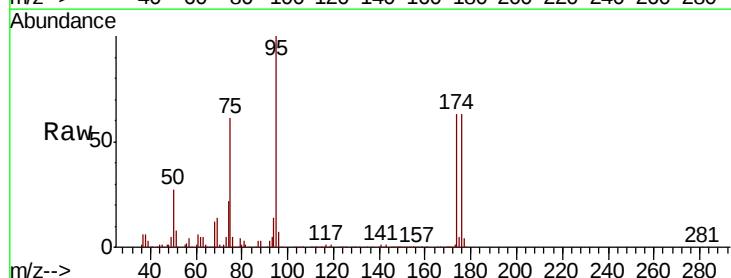


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.132 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. -0.01 min
Lab File: VL034549.D
Acq: 2 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.4	78.6
175	4.8	3.9	5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

