

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034805.D
 Acq On : 5 Mar 2020 21:07
 Operator : SY/AP
 Sample : L1698-05 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5-4

Manual Integrations
 APPROVED

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 3/9/2020 9:19:15 AM

Quant Time: Mar 06 12:27:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	610860	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	912960	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.18	117	1082539	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1400969	15.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	155.20%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	90173	2.277	ppbv	100
7) Chloroethane	3.53	64	24621	1.798	ppbv #	88
9) Propene	2.97	41	557594	20.355	ppbv	84
11) Trichlorofluoromethane	3.93	101	209145	2.345	ppbv	98
15) Acetone	3.82	43	1335140	18.252	ppbv #	49
17) tert-Butyl alcohol	4.28	59	367714	6.375	ppbv #	71
19) Isopropyl Alcohol	3.95	45	91588	2.090	ppbv #	93
20) Methylene Chloride	4.29	84	283298	10.851	ppbv #	6
26) Hexane	5.74	57	12939283	234.310	ppbv #	42
27) Carbon Disulfide	4.54	76	113696	1.762	ppbv #	69
30) Cyclohexane	7.21	84	13088370	309.801	ppbv #	79
52) Tetrachloroethene	11.33	164	26315m	0.913	ppbv	

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

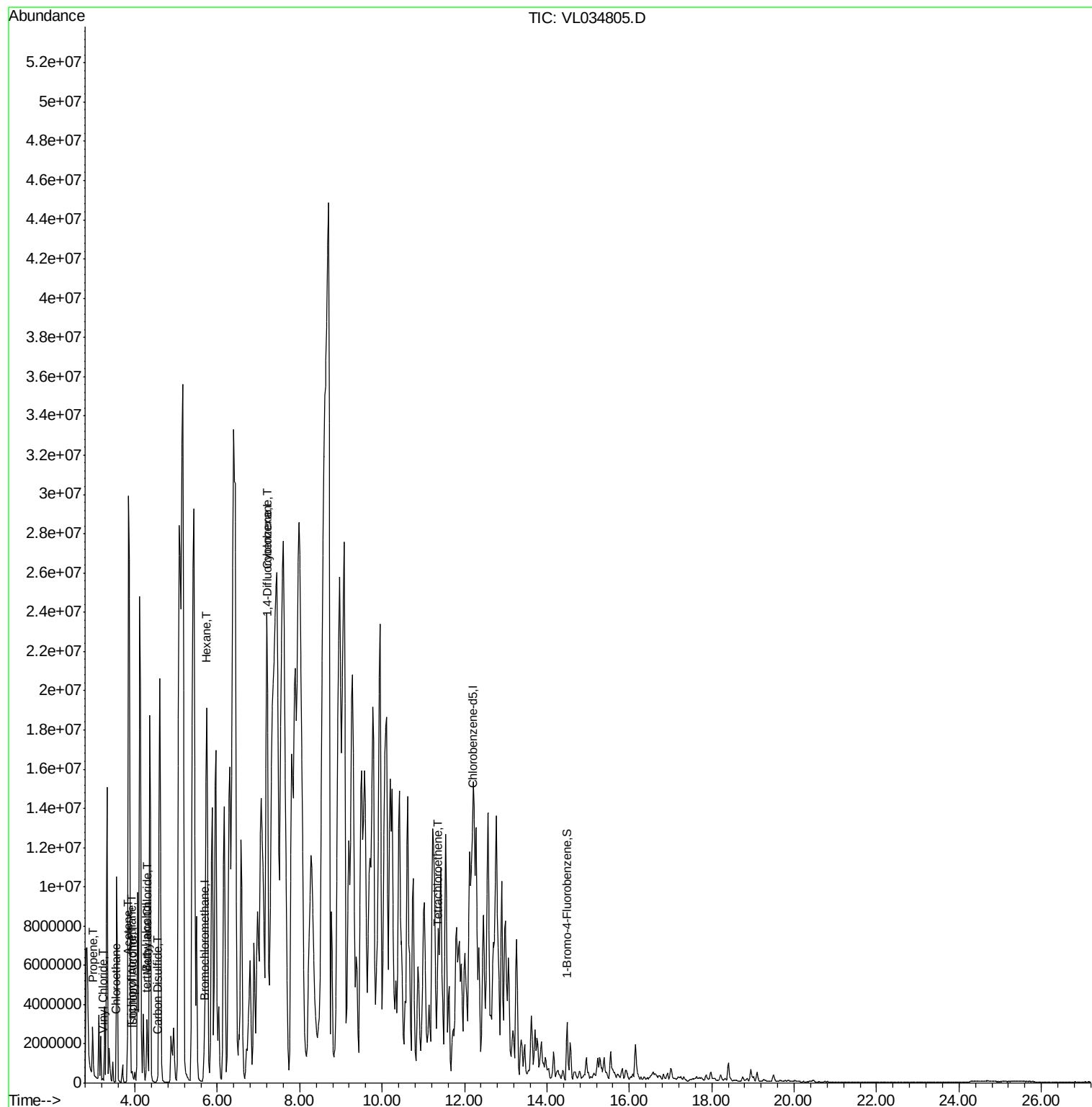
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030520\
Data File : VL034805.D
Acq On : 5 Mar 2020 21:07
Operator : SY/AP
Sample : L1698-05 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

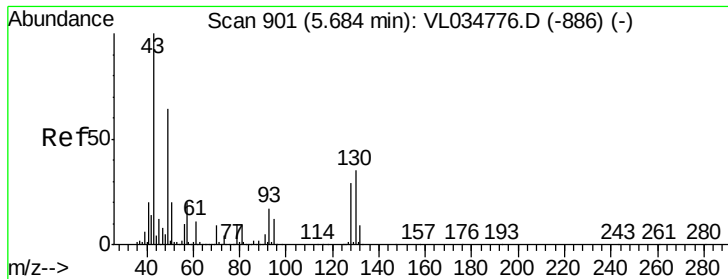
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

Manual Integrations
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3/9/2020 9:19:15 AM

Quant Time: Mar 06 12:27:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

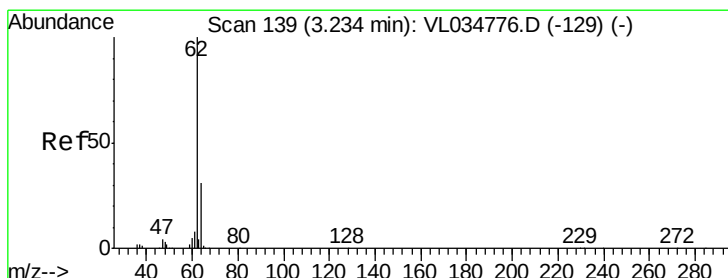
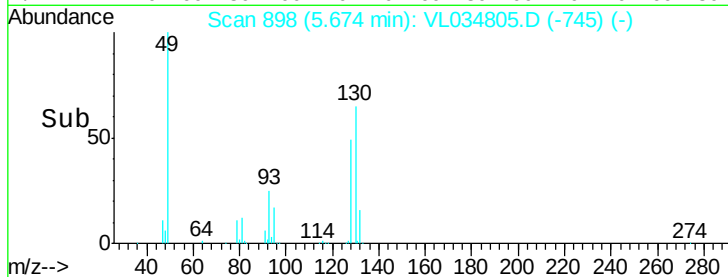
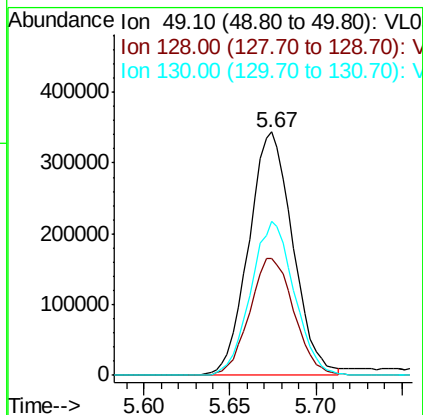
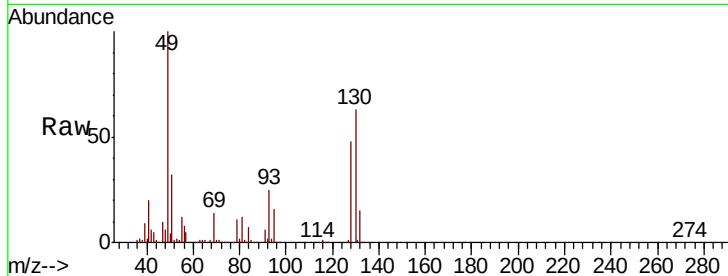
ClientSampled :

SS-5-4

Tot Ion:	49	Resp:	610860
Ion	Ratio	Lower	Upper
49	100		
128	48.3	21.6	64.6
130	62.4	27.4	82.2

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#5

Vinyl Chloride

Concen: 2.277 ppbv

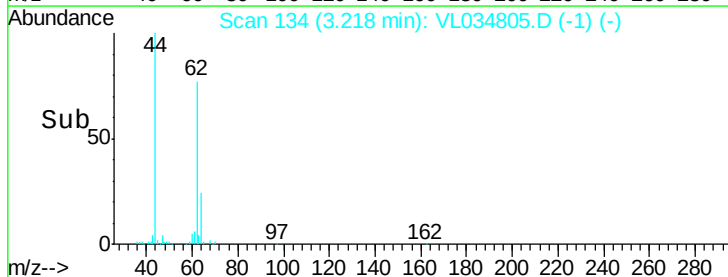
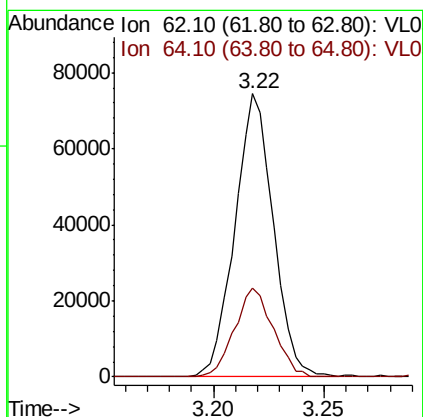
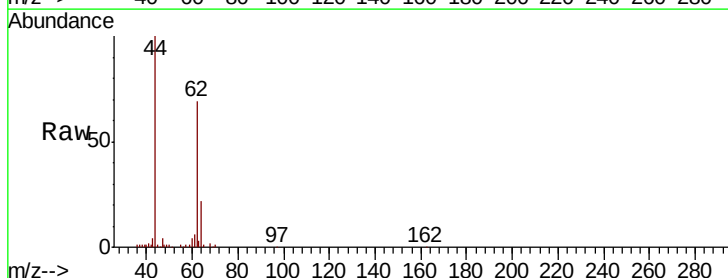
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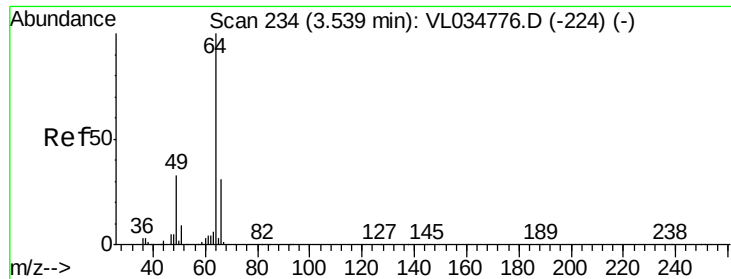
Delta R.T. -0.02 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Tgt Ion:	62	Resp:	90173
Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.1	37.7





#7

Chloroethane

Concen: 1.798 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampled :

SS-5-4

Tot Ion: 64 Resp: 24621

Ion Ratio Lower Upper

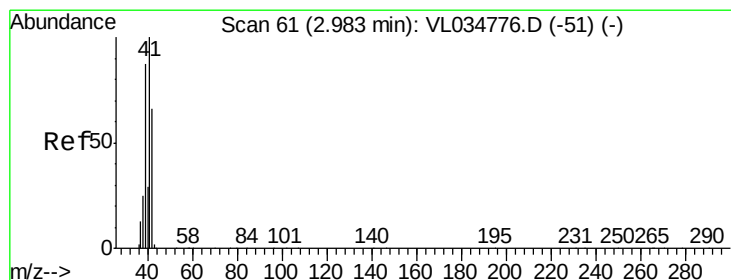
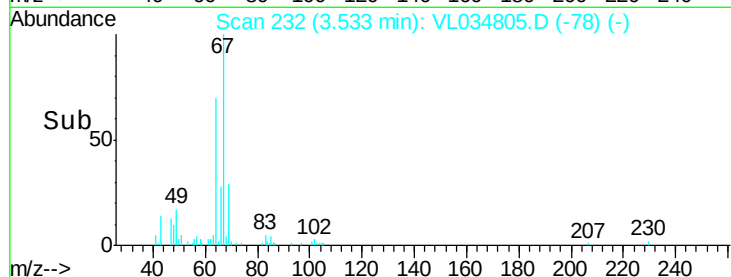
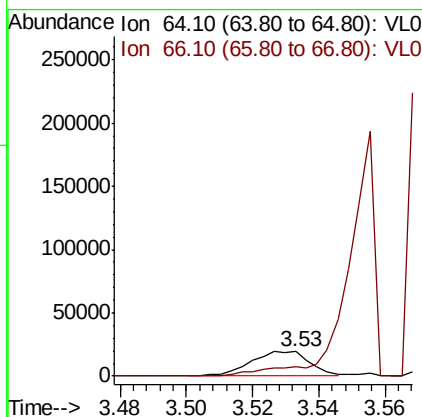
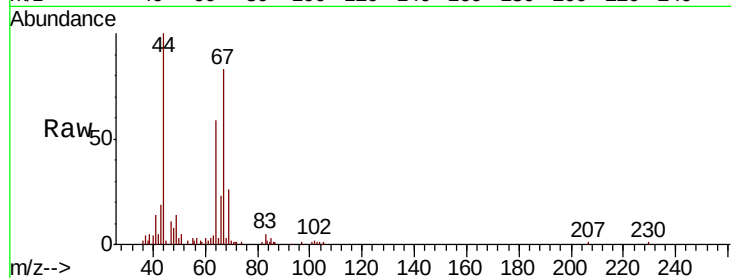
64 100

66 37.5 24.8 37.2#

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#9

Propene

Concen: 20.355 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL034805.D

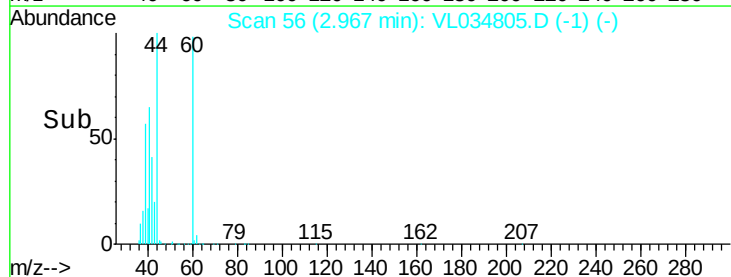
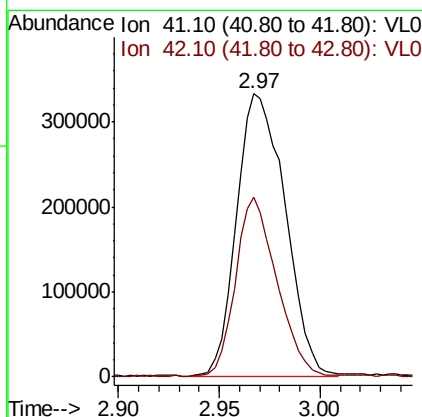
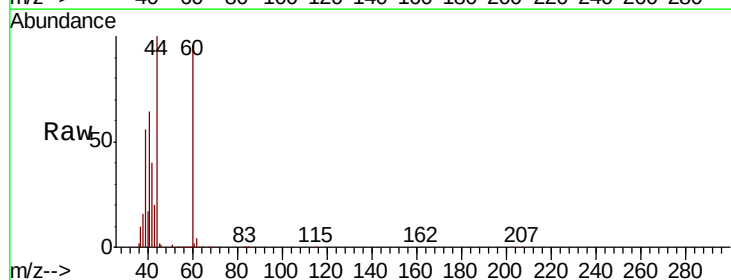
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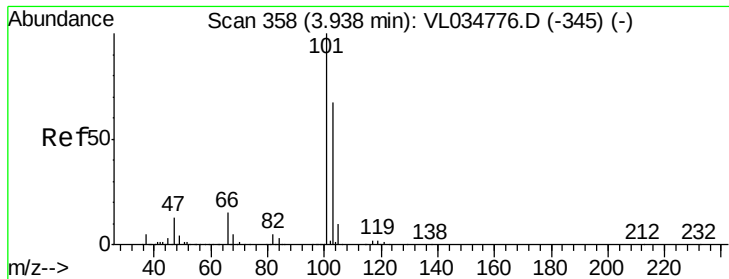
Tgt Ion: 41 Resp: 557594

Ion Ratio Lower Upper

41 100

42 56.2 55.6 83.4





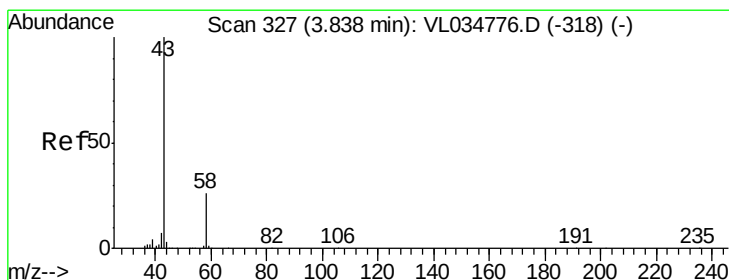
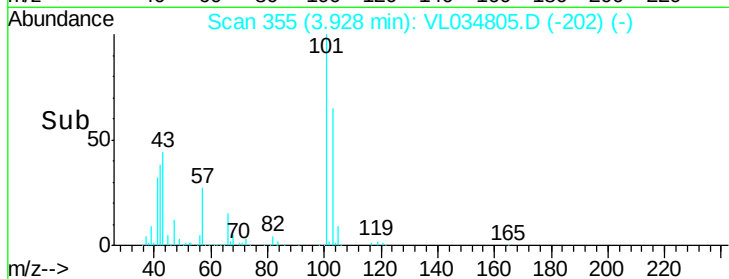
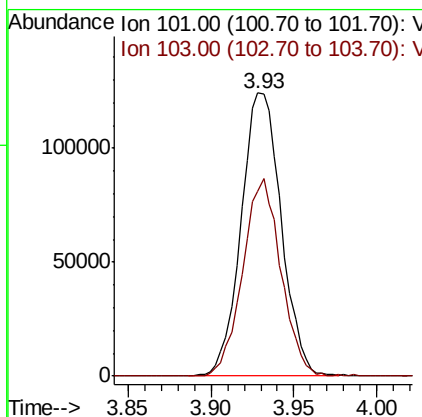
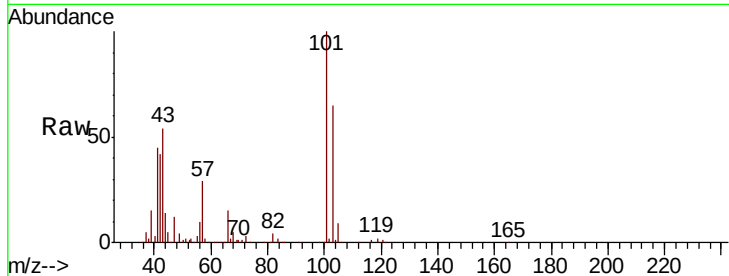
#11
 Trichlorofluoromethane
 Concen: 2.345 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

Instrument :
 MSVOA_L
 ClientSampled :
 SS-5-4

Tot Ion: 101 Resp: 209145
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.6 80.4

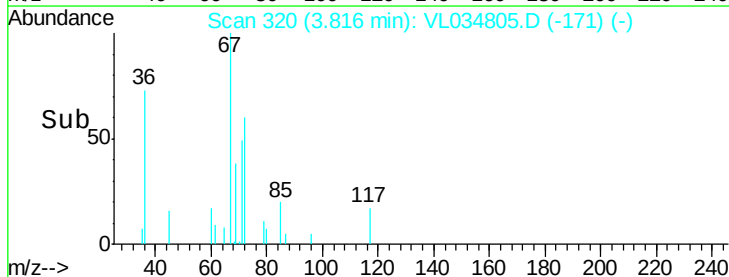
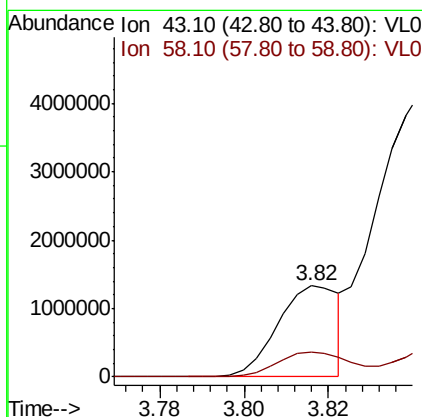
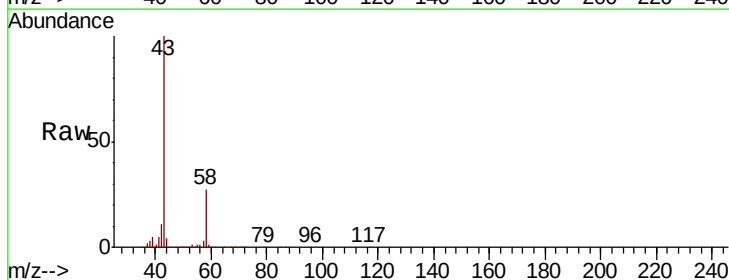
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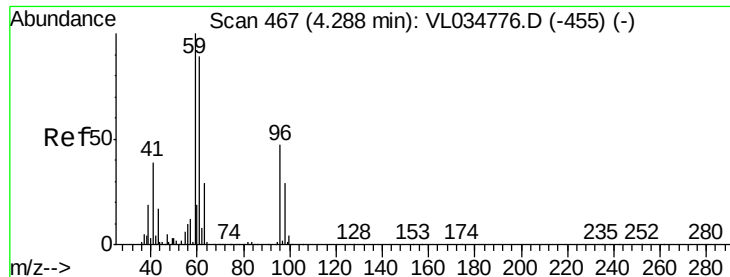
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#15
 Acetone
 Concen: 18.252 ppbv
 RT: 3.82 min Scan# 320
 Delta R.T. -0.02 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

Tgt Ion: 43 Resp: 1335140
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.0 31.6#





#17

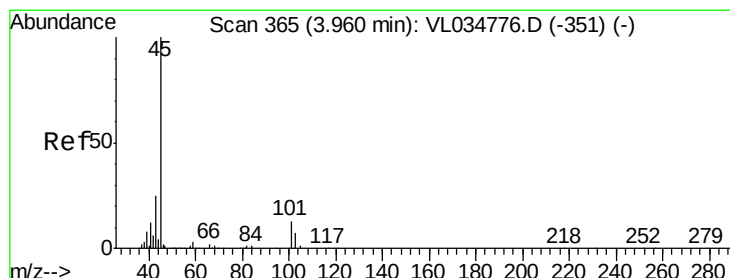
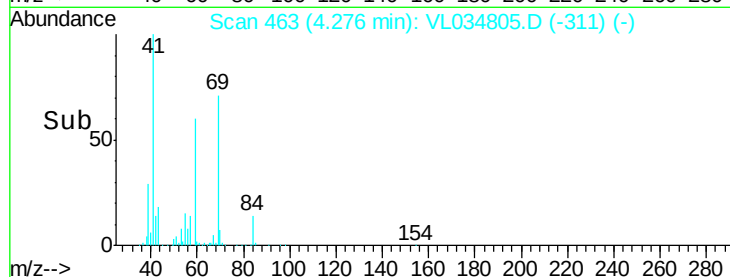
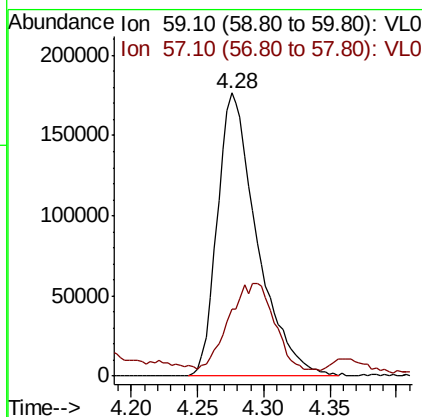
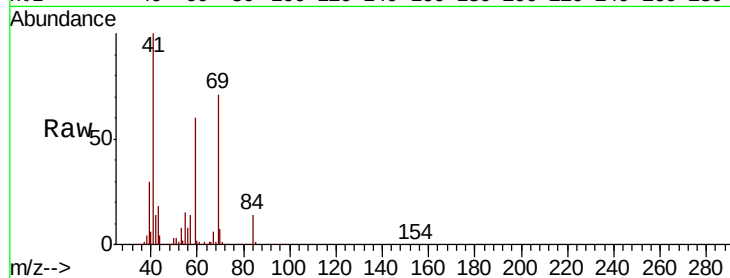
tert-Butyl alcohol
Concen: 6.375 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

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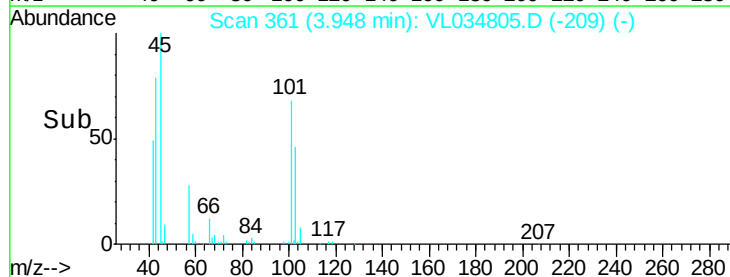
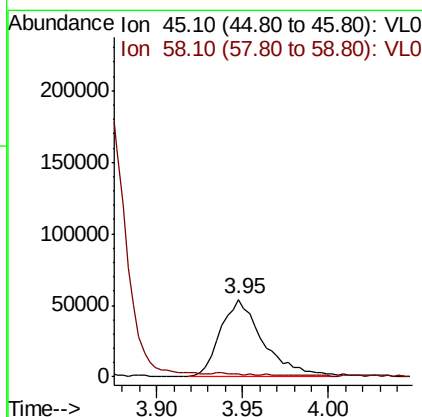
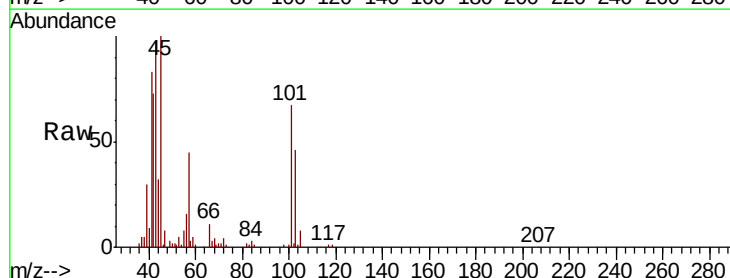
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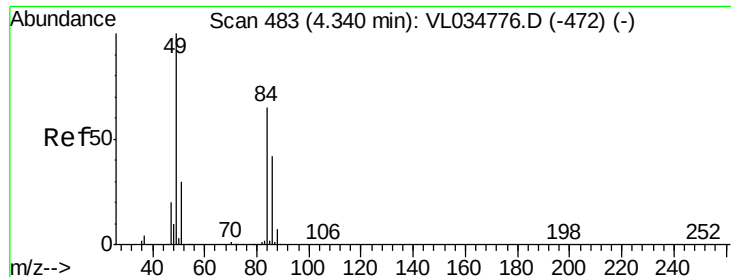


#19

Isopropyl Alcohol
Concen: 2.090 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#





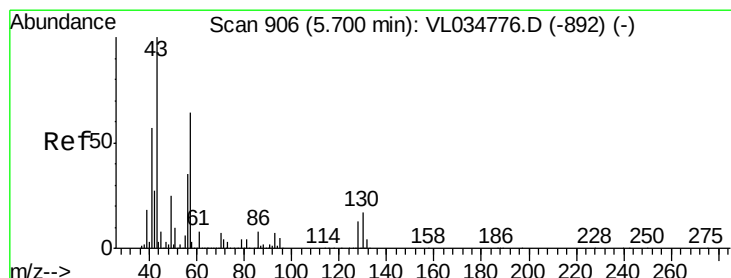
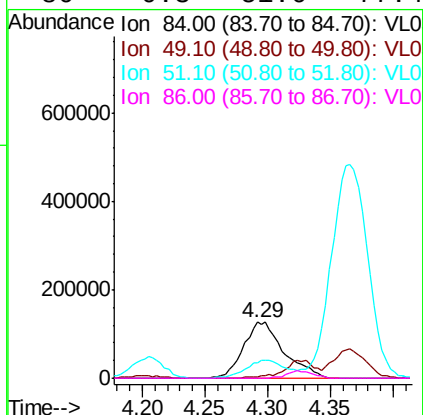
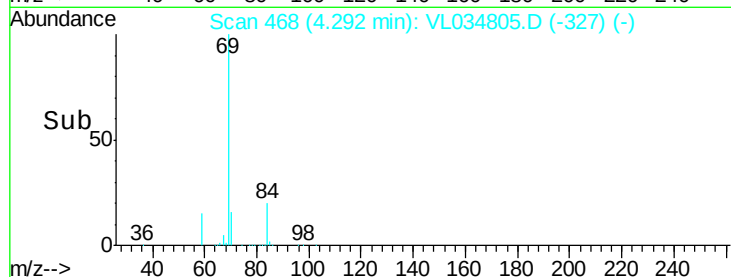
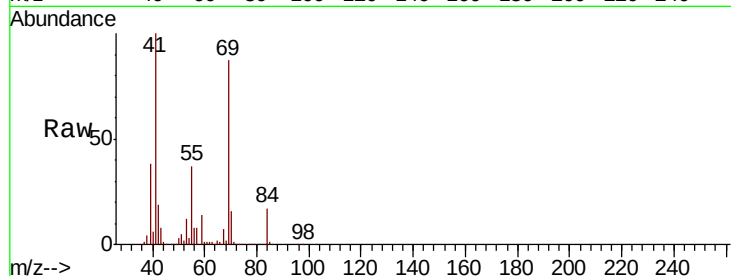
#20
Methylene Chloride
Concen: 10.851 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Instrument :
MSVOA_L
ClientSampled :
SS-5-4

Tot Ion	Ratio	Lower	Upper
84	100		
49	1.8	123.2	184.8#
51	27.0	37.4	56.2#
86	0.3	51.6	77.4#

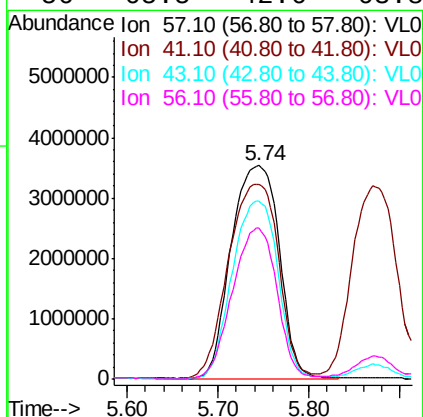
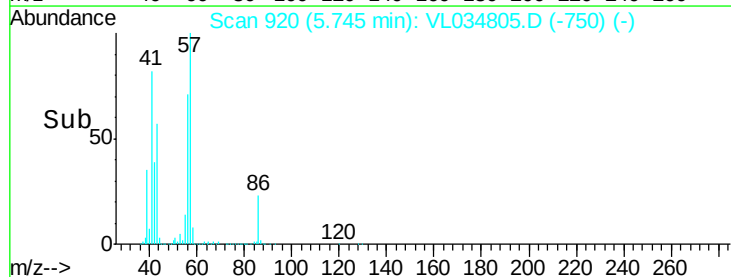
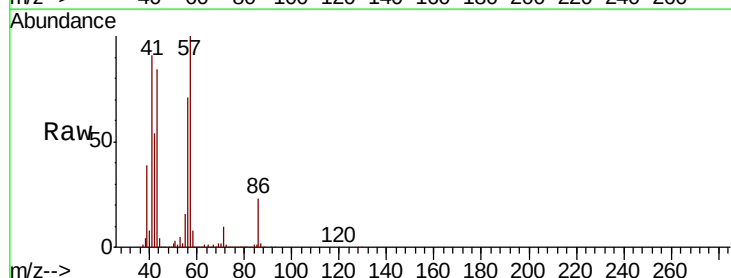
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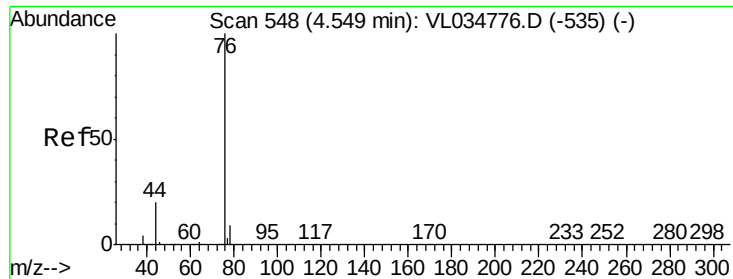
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#26
Hexane
Concen: 234.310 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.6	72.0	108.0
43	79.1	179.1	268.7#
56	65.5	42.6	63.8#





#27

Carbon Disulfide

Concen: 1.762 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

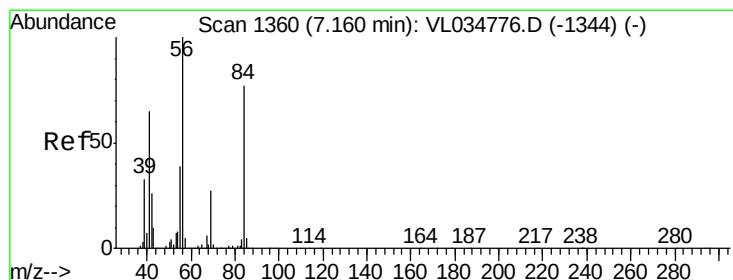
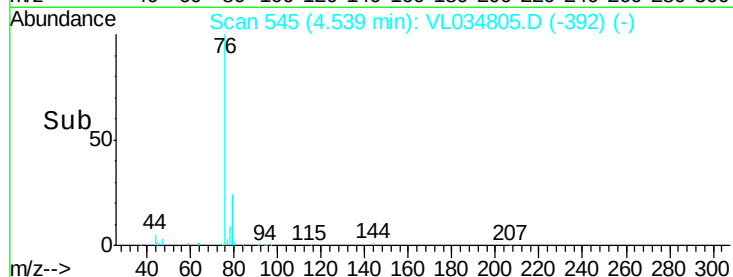
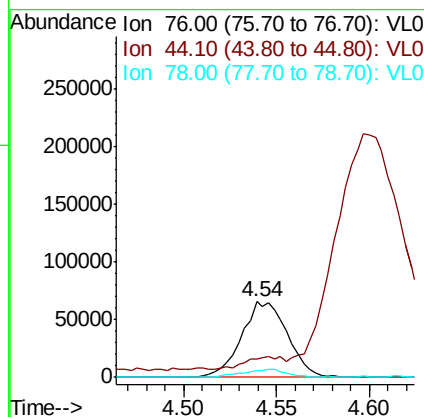
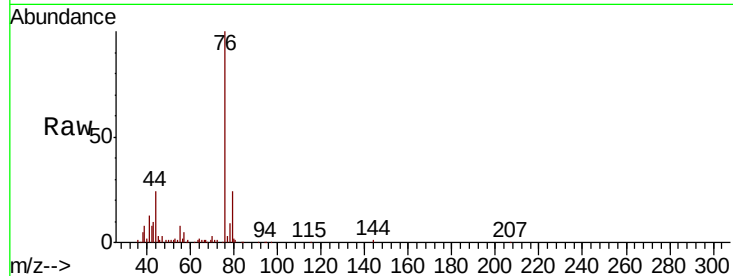
ClientSampled :

SS-5-4

Tot Ion:	76	Resp:	113696
Ion Ratio	Lower	Upper	
76	100		
44	0.0	16.1	24.1#
78	11.1	7.5	11.3

Manual Integrations
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#30

Cyclohexane

Concen: 309.801 ppbv

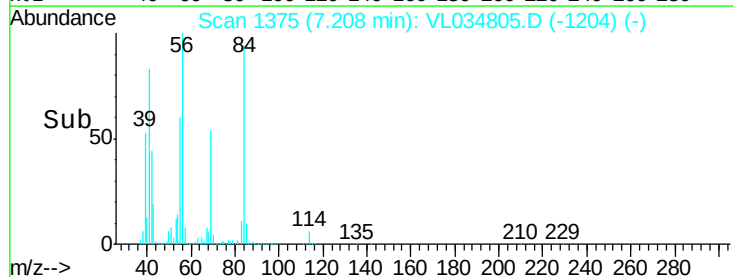
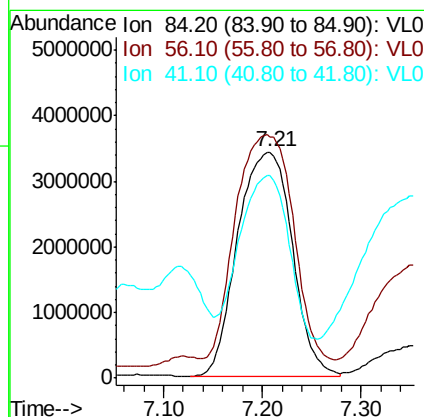
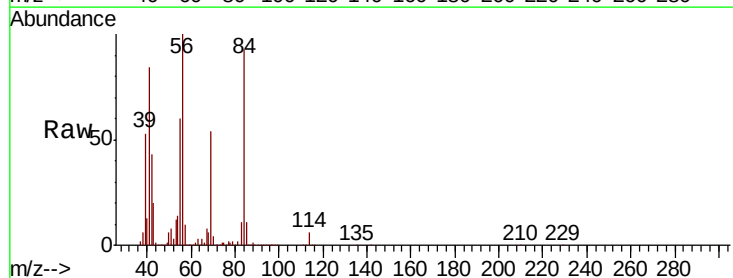
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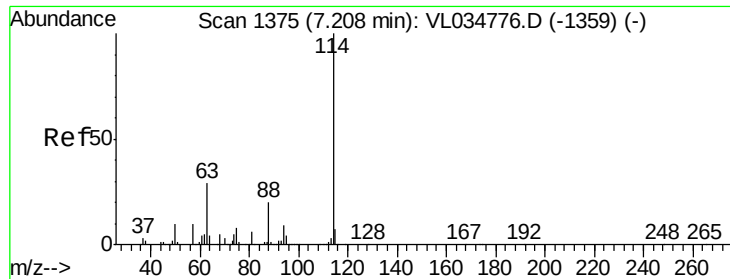
Delta R.T. 0.05 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Tgt Ion:	84	Resp:	13088370
Ion Ratio	Lower	Upper	
84	100		
56	117.9	113.2	169.8
41	65.3	70.2	105.4#





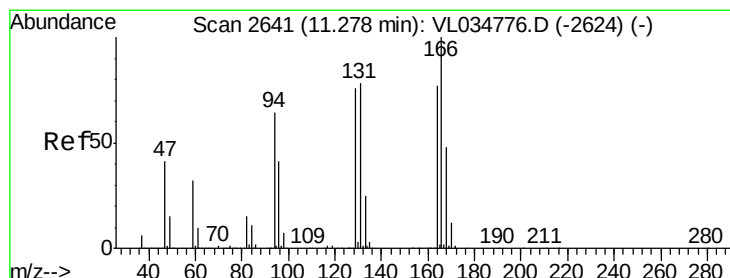
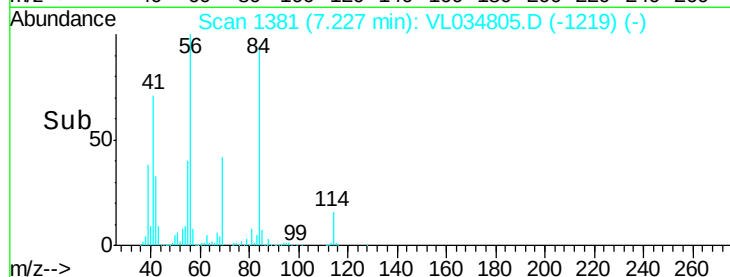
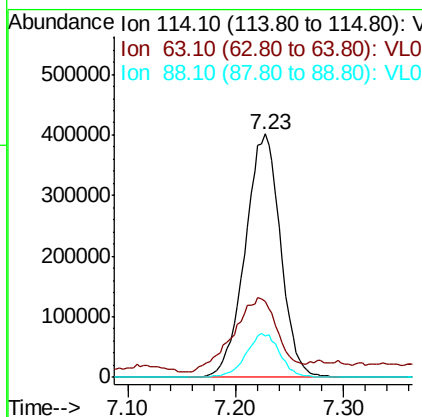
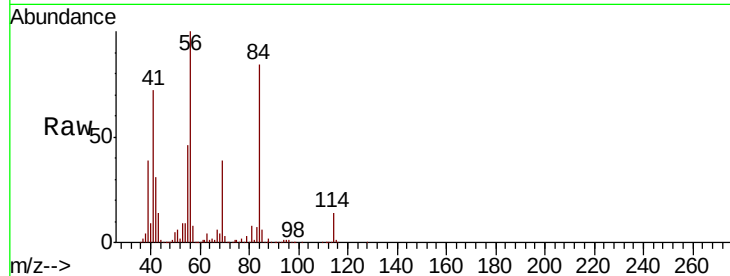
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. 0.02 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

Instrument :
 MSVOA_L
 ClientSampled :
 SS-5-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	40.8	23.6	35.4#
88	17.4	15.8	23.8

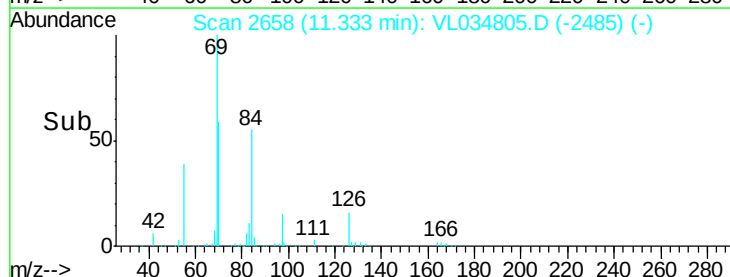
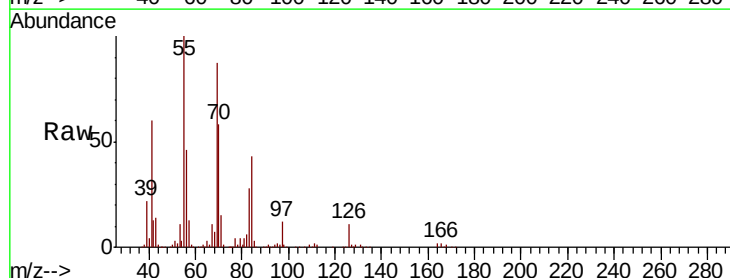
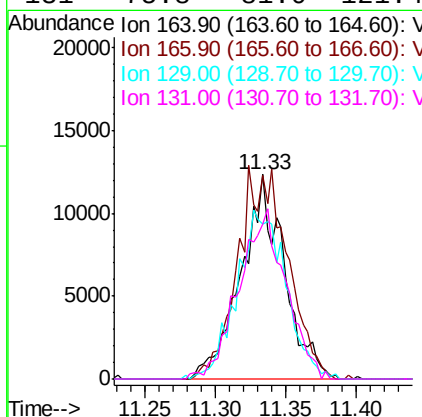
Manual Integrations
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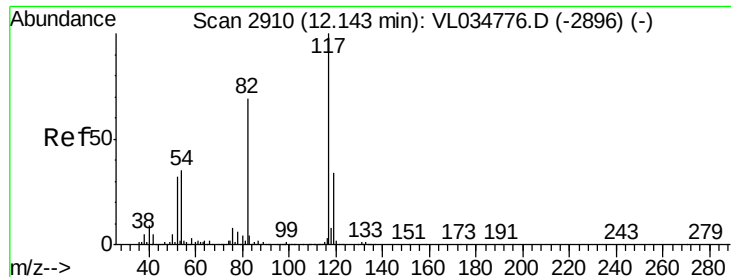
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#52
 Tetrachloroethene
 Concen: 0.913 ppbv m
 RT: 11.33 min Scan# 2658
 Delta R.T. 0.05 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	99.7	103.3	154.9#
129	76.0	79.0	118.4#
131	75.8	81.0	121.4#





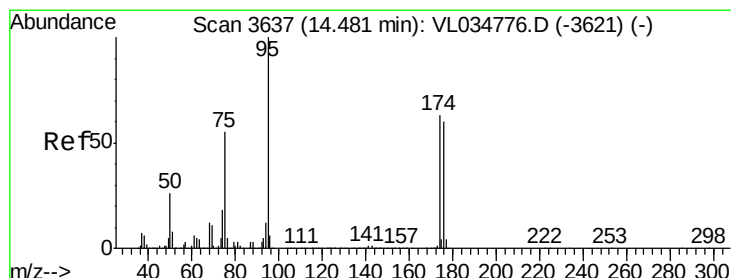
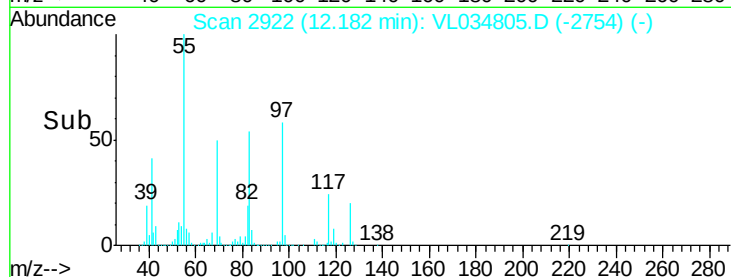
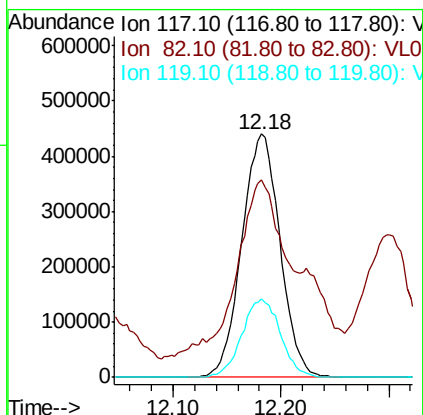
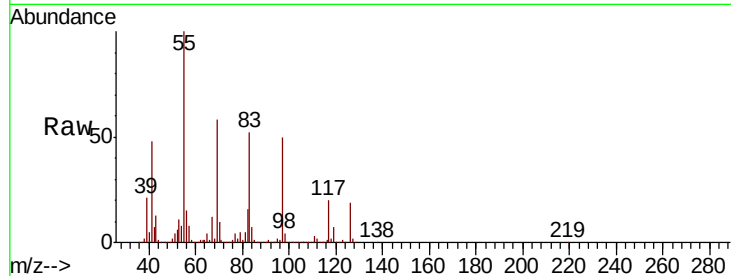
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.04 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Instrument :
MSVOA_L
ClientSampled :
SS-5-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	139.8	53.9	80.9#
119	32.6	25.0	37.4

Manual Integrations
APPROVED

MMDadoda
3/9/2020 9:19:15 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 15.520 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.01 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	61.3	50.6	76.0
175	4.9	3.8	5.6

