

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034831.D
 Acq On : 7 Mar 2020 1:39
 Operator : SY/AP
 Sample : L1698-06DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:21:20 AM

Quant Time: Mar 07 09:59:41 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	5.66	49	910184	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2083554	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2043937	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1643091	9.64	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	584535	9.907	ppbv	97
9) Propene	2.97	41	70101	1.717	ppbv	98
10) Heptane	8.14	43	260652	2.513	ppbv #	27
17) tert-Butyl alcohol	4.29	59	48306	0.562	ppbv	94
19) Isopropyl Alcohol	3.97	45	29014	0.444	ppbv #	1
20) Methylene Chloride	4.32	84	25890	0.666	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	22392m	0.567	ppbv	
26) Hexane	5.68	57	336380	4.088	ppbv #	42
27) Carbon Disulfide	4.53	76	63393m	0.659	ppbv	
30) Cyclohexane	7.13	84	73660	1.170	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	827947	9.810	ppbv	98
36) Benzene	6.89	78	1032542	5.799	ppbv	99
44) 2,2,4-Trimethylpentane	7.88	57	471680	1.516	ppbv #	71
53) Toluene	9.83	91	482016	2.558	ppbv	97
58) Ethyl Benzene	12.74	91	1315603	5.223	ppbv	94
59) m/p-Xylene	13.00	91	3756029	17.226	ppbv	95
60) o-Xylene	13.72	91	1254911	5.688	ppbv	98

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

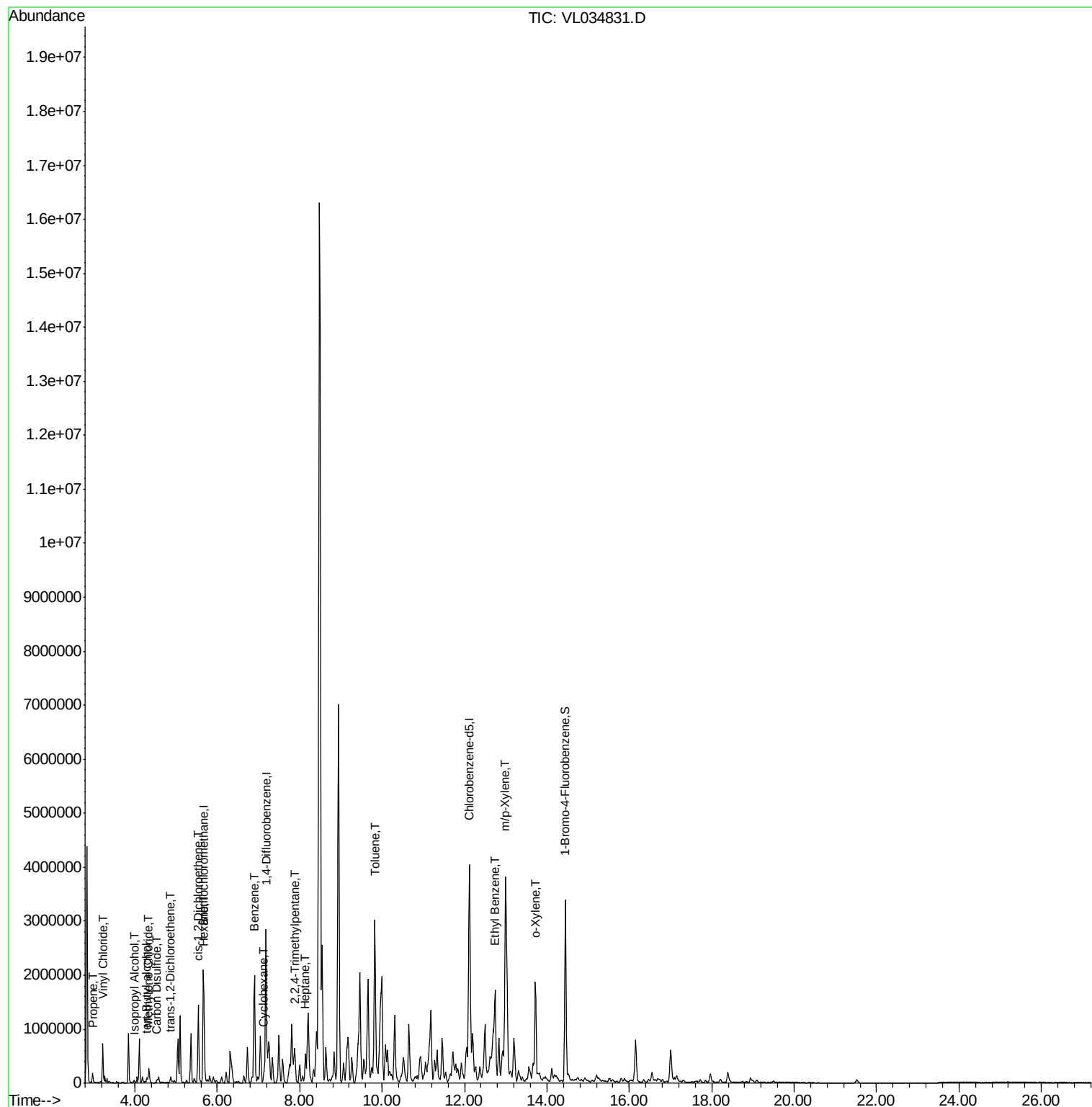
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
Data File : VL034831.D
Acq On : 7 Mar 2020 1:39
Operator : SY/AP
Sample : L1698-06DL2 1200X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

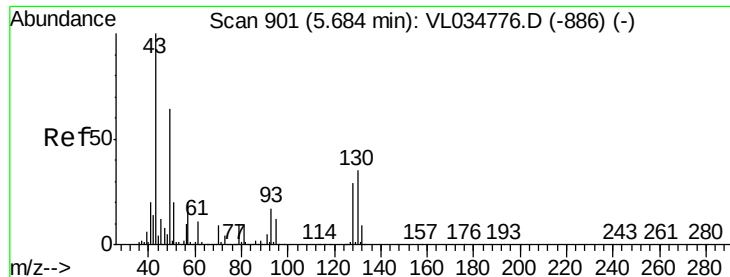
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

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Quant Time: Mar 07 09:59:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

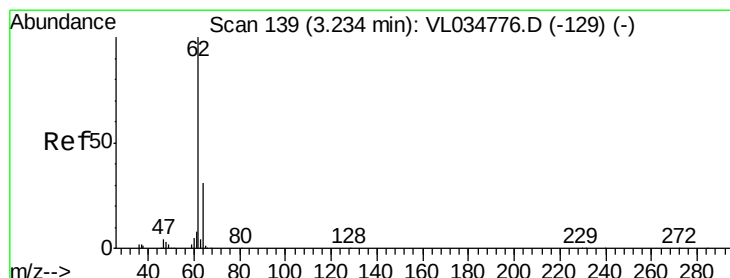
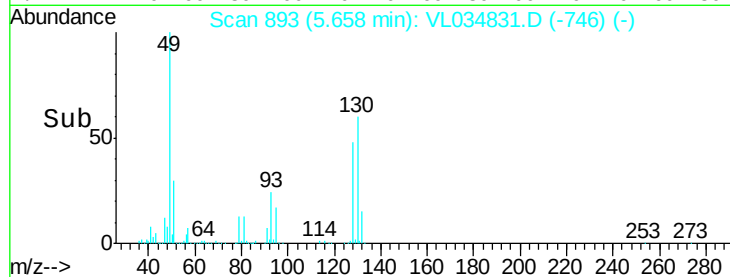
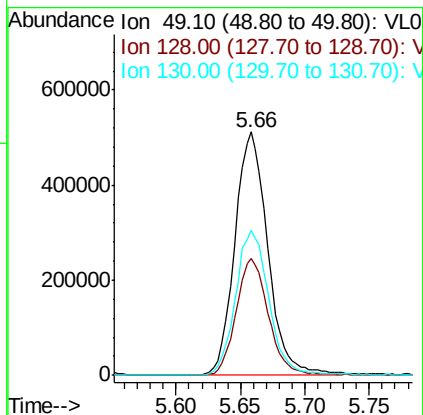
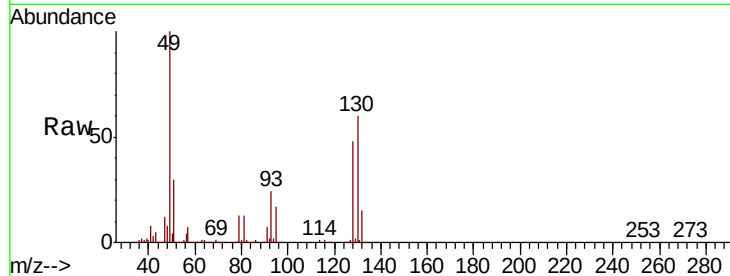
ClientSampled :

SS-3-4DL2

Tot Ion:	49	Resp:	910184
Ion	Ratio	Lower	Upper
49	100		
128	47.5	21.6	64.6
130	60.9	27.4	82.2

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#5

Vinyl Chloride

Concen: 9.907 ppbv

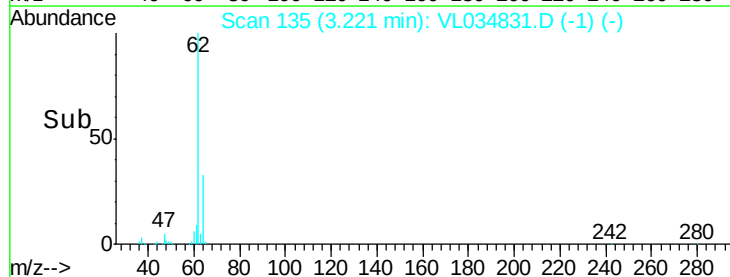
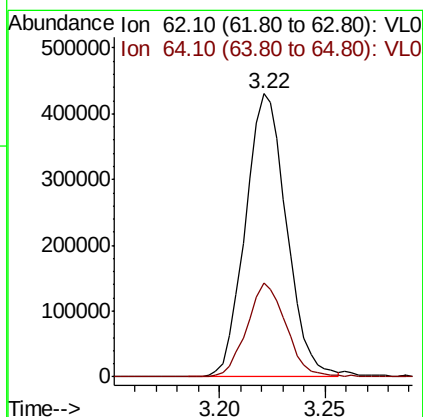
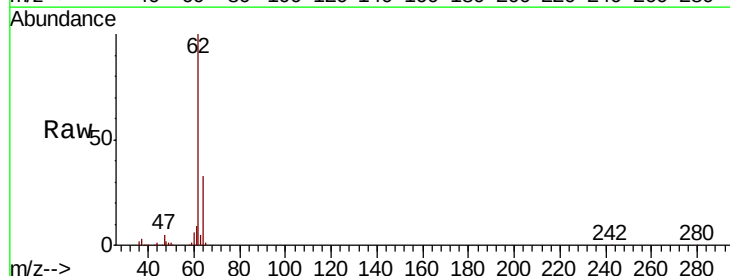
RT: 3.22 min Scan# 135

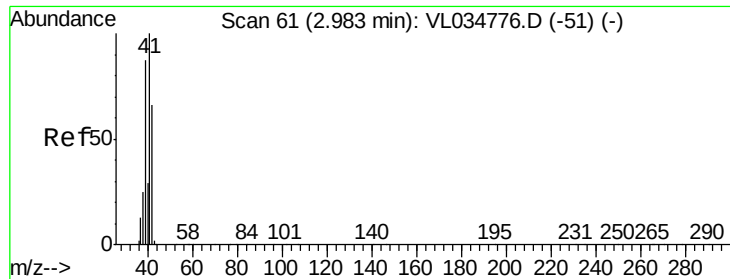
Delta R.T. -0.01 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Tgt Ion:	62	Resp:	584535
Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.1	37.7





#9

Propene

Concen: 1.717 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

Tot Ion: 41 Resp: 70101

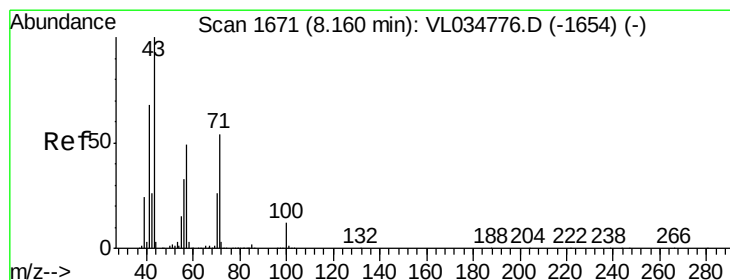
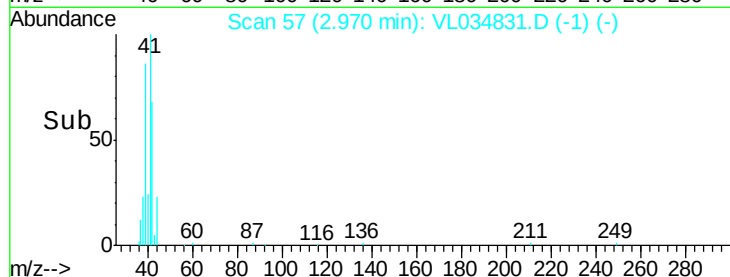
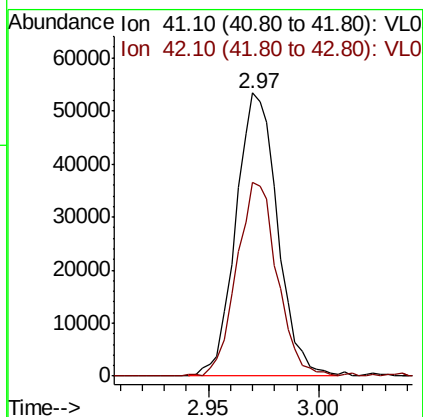
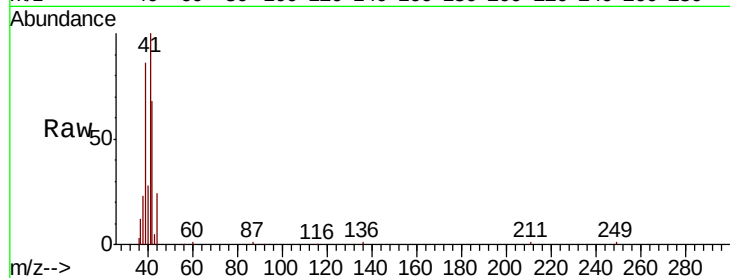
Ion Ratio Lower Upper

41 100

42 67.8 55.6 83.4

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#10

Heptane

Concen: 2.513 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.02 min

Lab File: VL034831.D

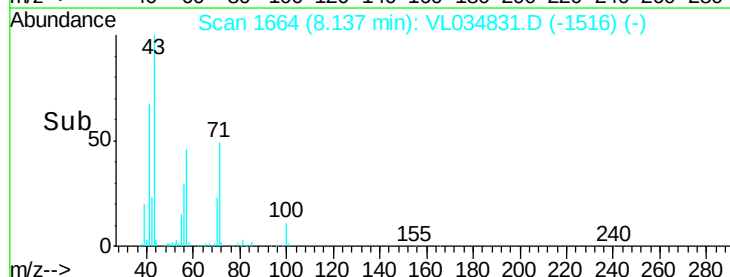
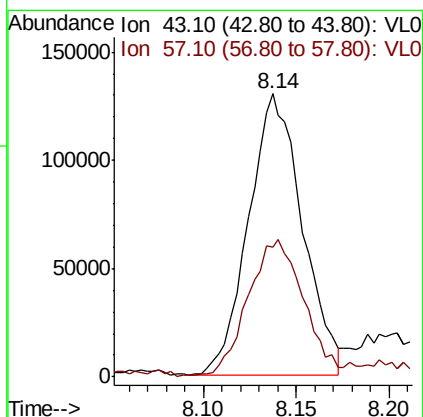
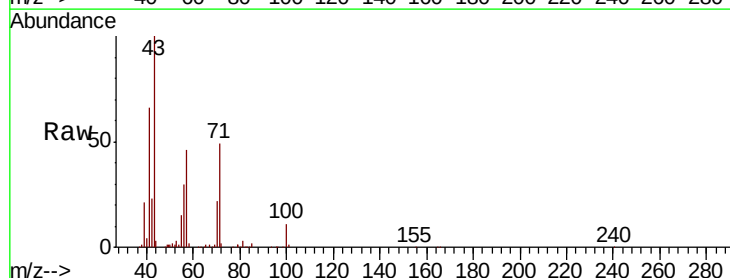
Acq: 7 Mar 2020 1:39

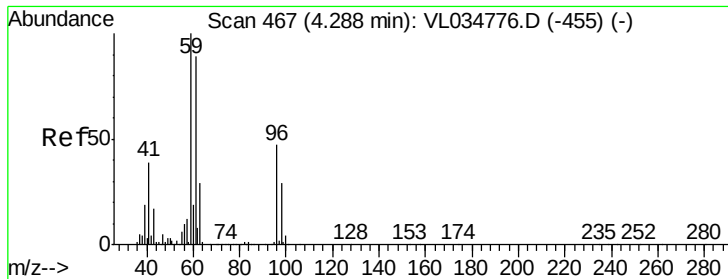
Tgt Ion: 43 Resp: 260652

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#





#17

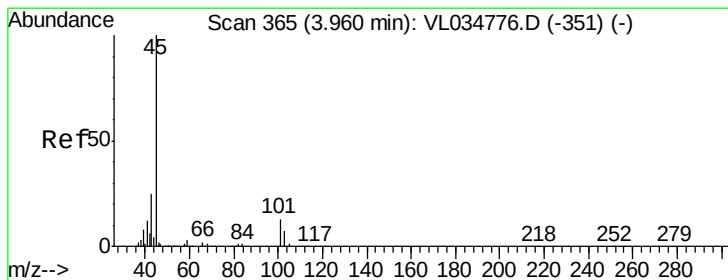
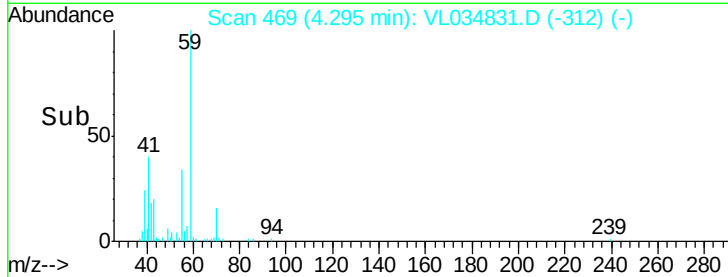
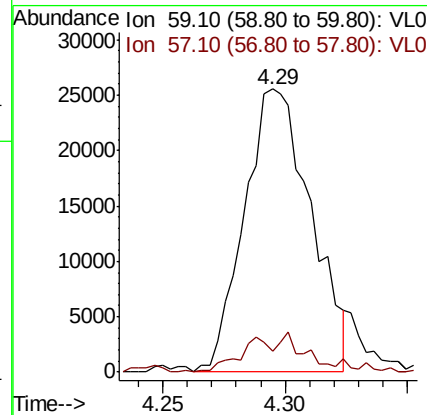
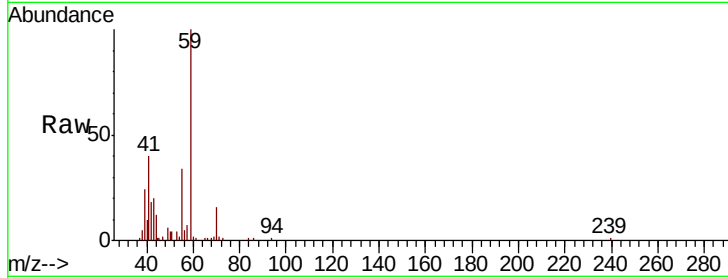
tert-Butyl alcohol
Concen: 0.562 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampled :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.6	13.0

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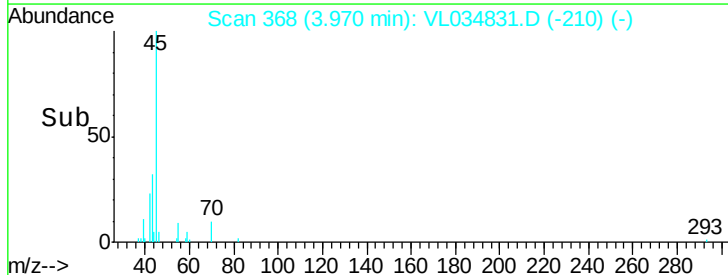
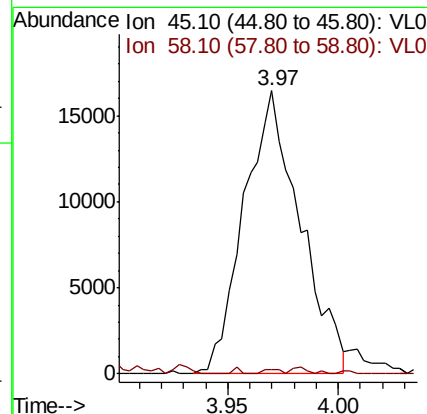
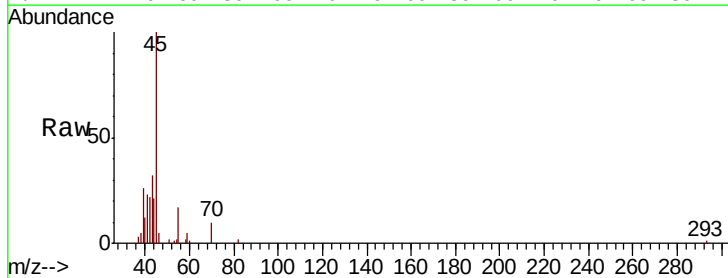
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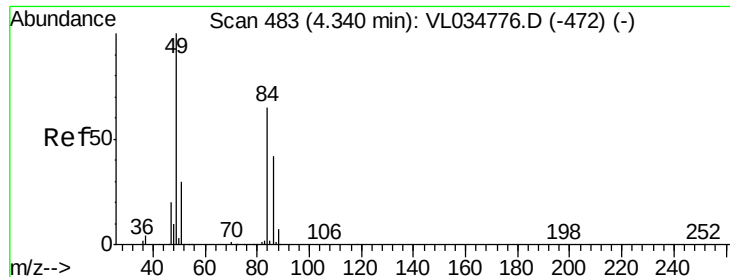


#19

Isopropyl Alcohol
Concen: 0.444 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
45	100		
58	160.0	1.8	2.8#





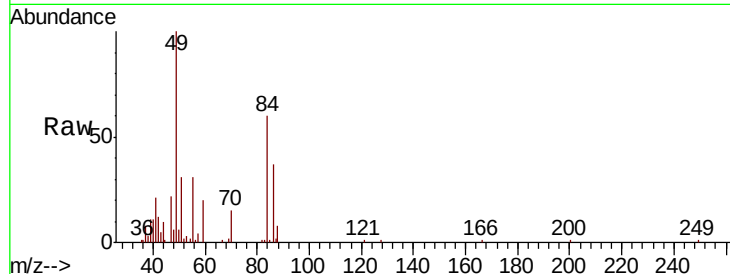
#20
Methylene Chloride
Concen: 0.666 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampled :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
84	100		
49	162.9	123.2	184.8
51	44.0	37.4	56.2
86	61.6	51.6	77.4

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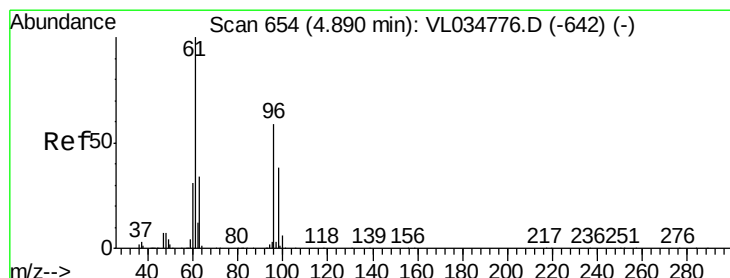
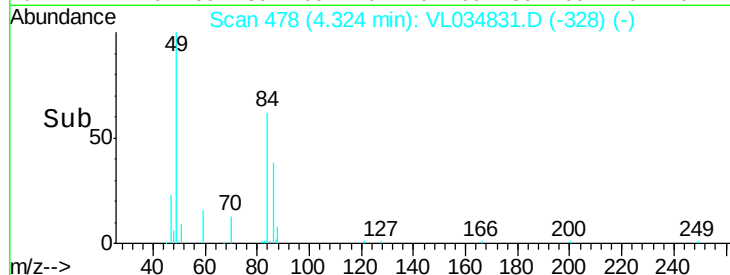
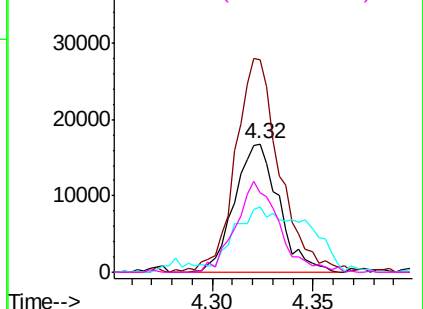
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

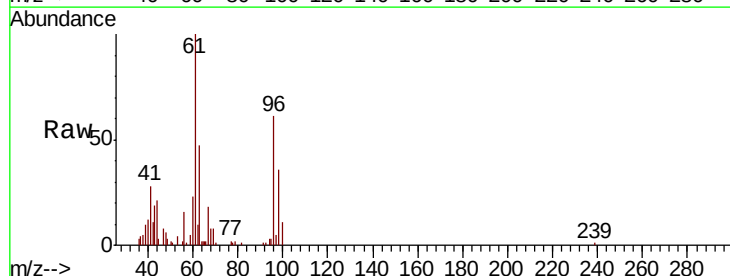
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#22
trans-1,2-Dichloroethene
Concen: 0.567 ppbv m
RT: 4.87 min Scan# 648
Delta R.T. -0.02 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	135.2	202.8
98	59.4	50.8	76.2

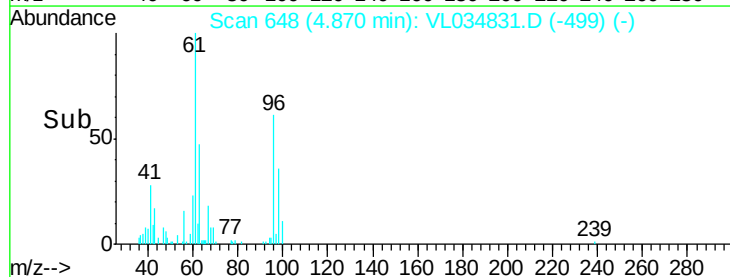
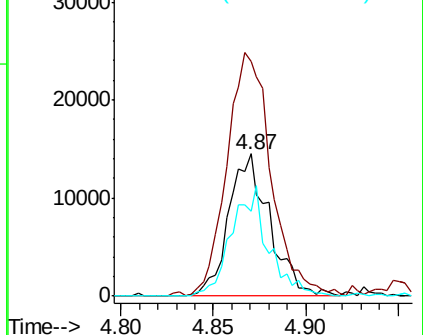


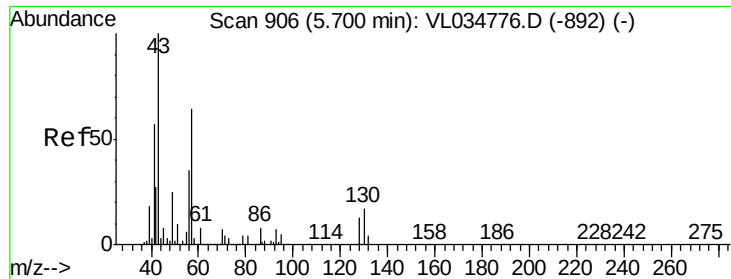
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





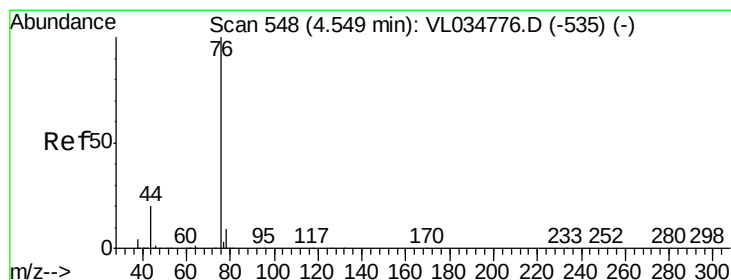
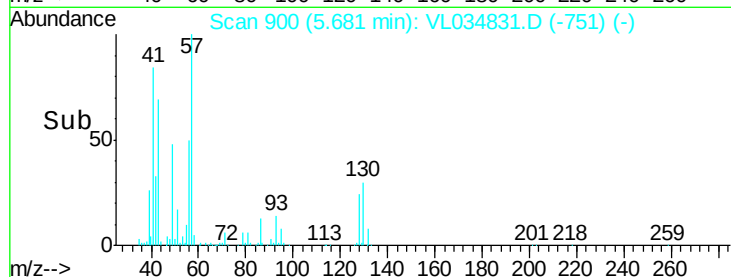
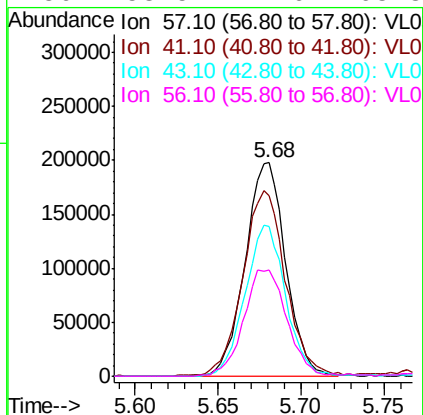
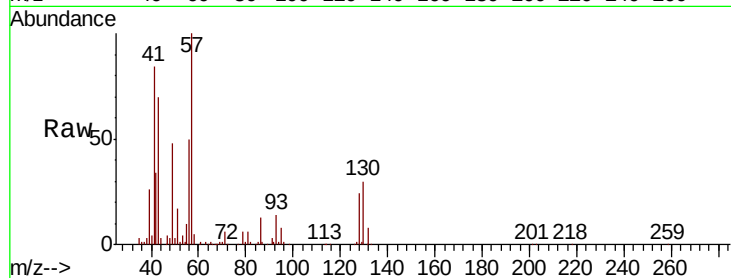
#26
Hexane
Concen: 4.088 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	92.8	72.0	108.0
43	70.9	179.1	268.7#
56	53.5	42.6	63.8

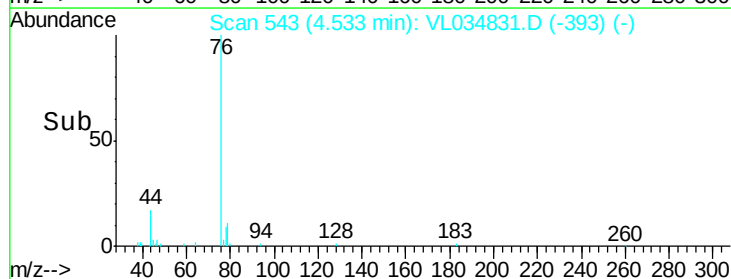
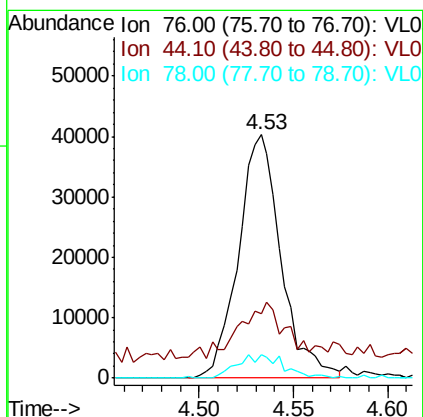
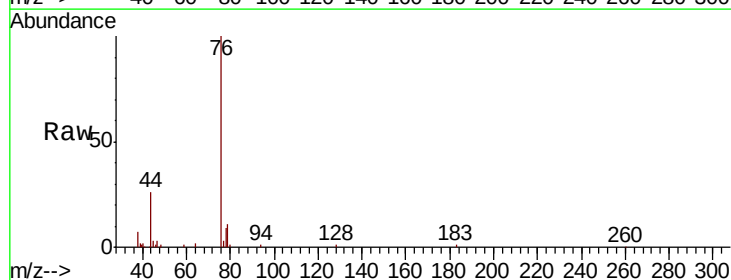
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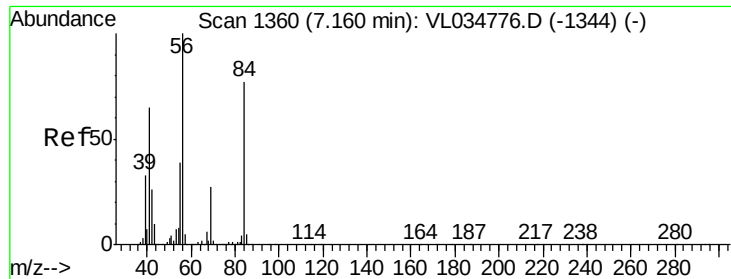
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#27
Carbon Disulfide
Concen: 0.659 ppbv m
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
76	100		
44	33.9	16.1	24.1#
78	10.5	7.5	11.3





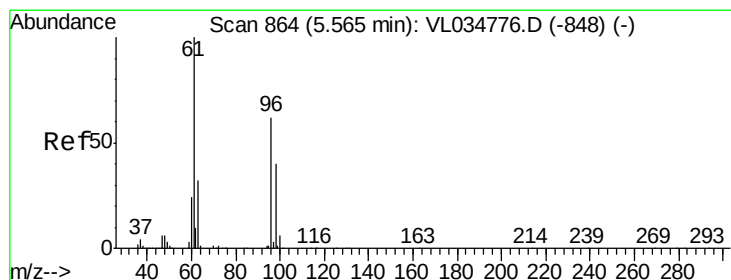
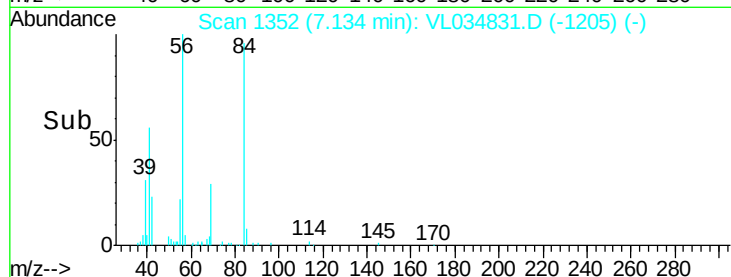
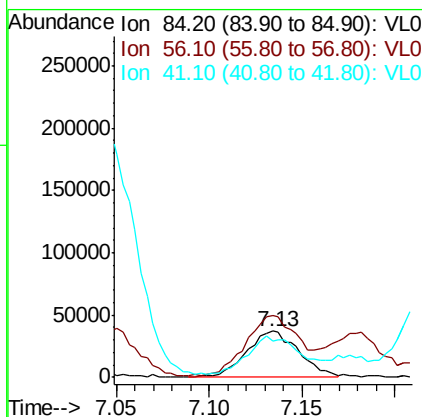
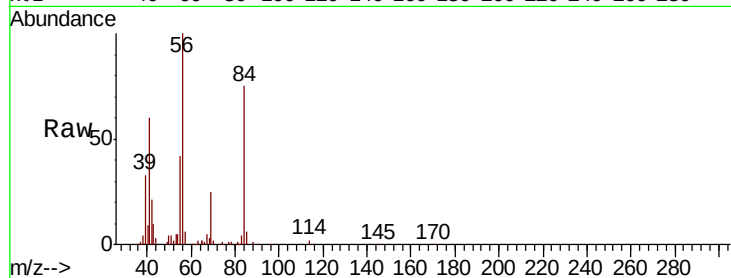
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Cyclohexane
Concen: 1.170 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampled :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
84	100		
56	135.3	113.2	169.8
41	85.6	70.2	105.4

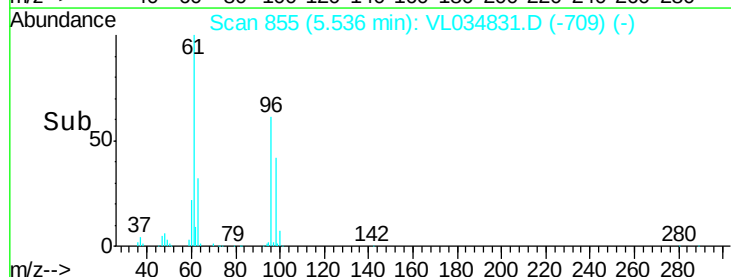
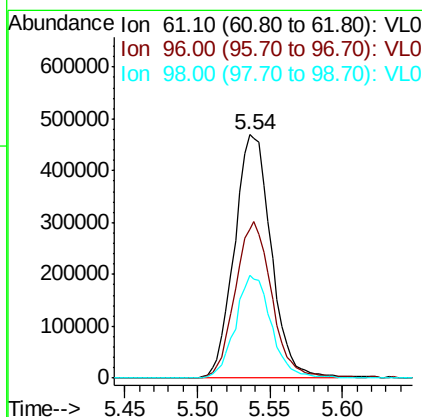
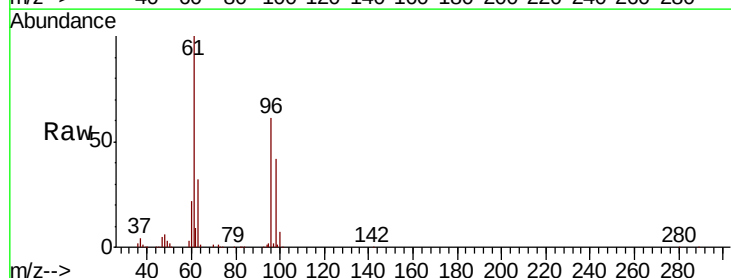
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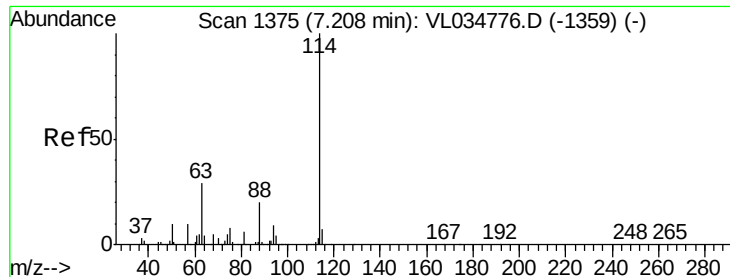
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#31
cis-1,2-Dichloroethene
Concen: 9.810 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
61	100		
96	61.0	49.7	74.5
98	42.2	31.9	47.9





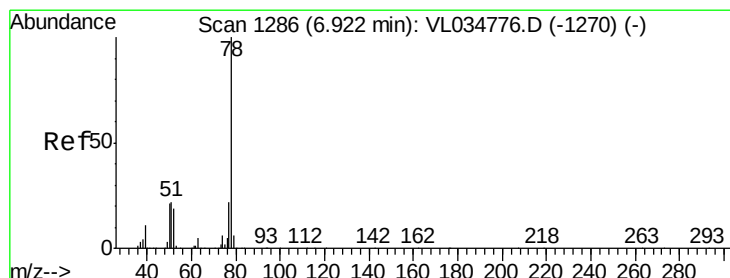
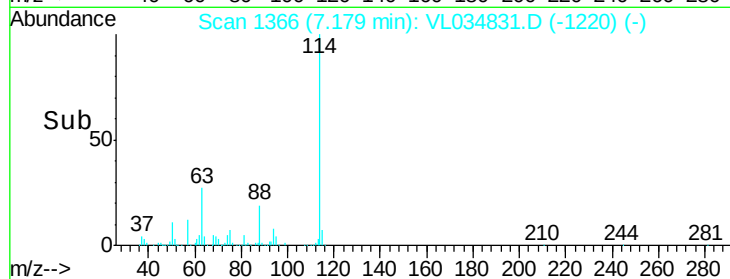
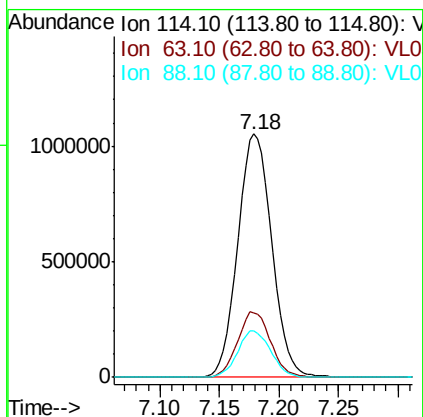
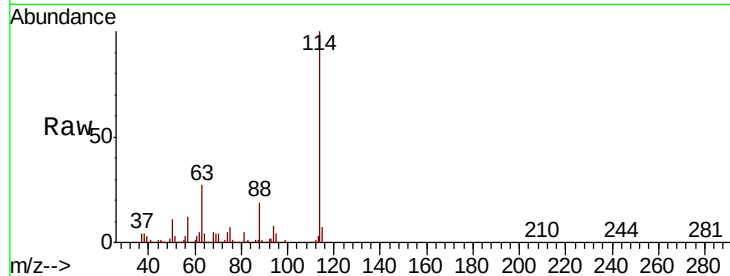
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.03 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Instrument :
 MSVOA_L
 ClientSampled :
 SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	23.6	35.4
88	18.7	15.8	23.8

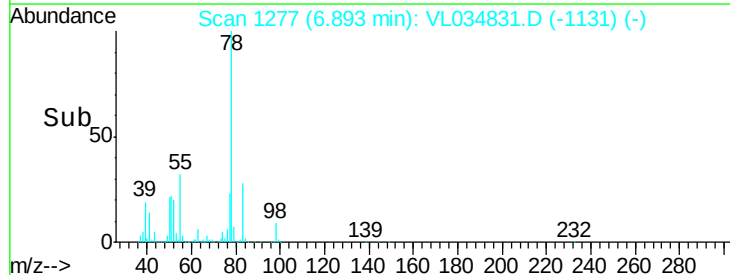
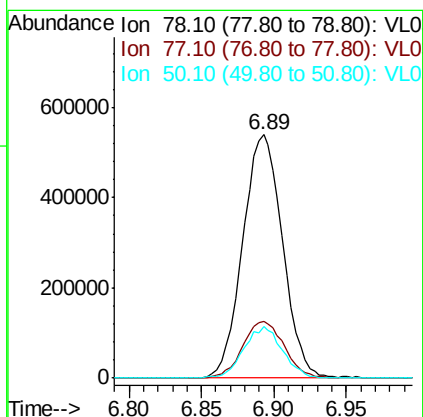
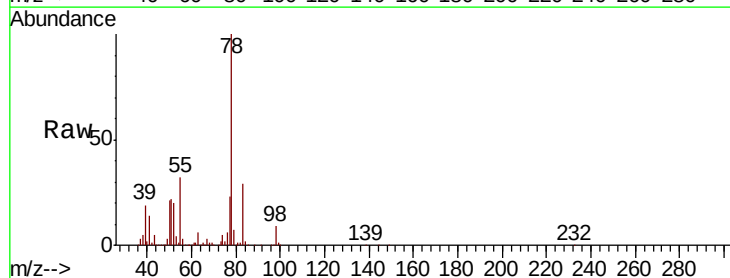
Manual Integrations
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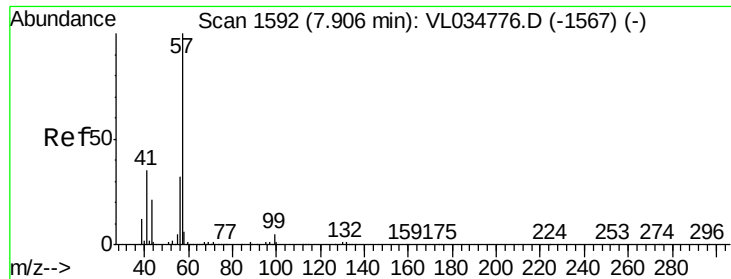
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#36
 Benzene
 Concen: 5.799 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.0	27.0
50	21.2	16.9	25.3





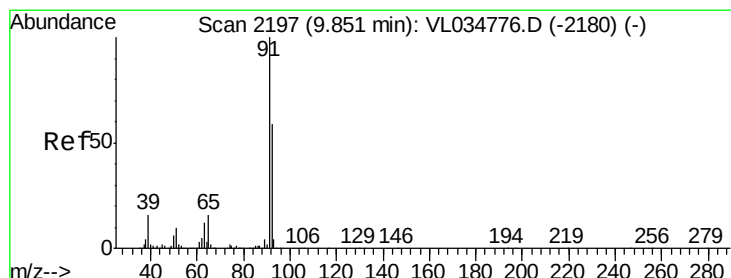
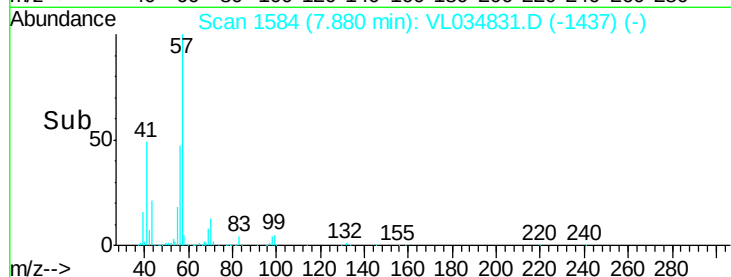
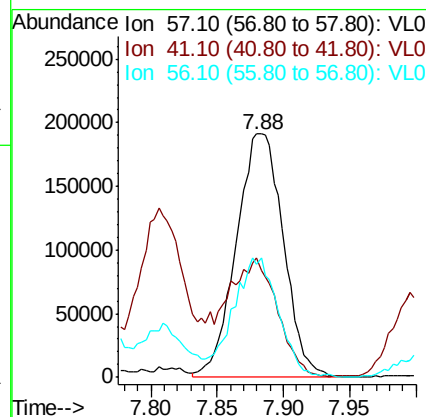
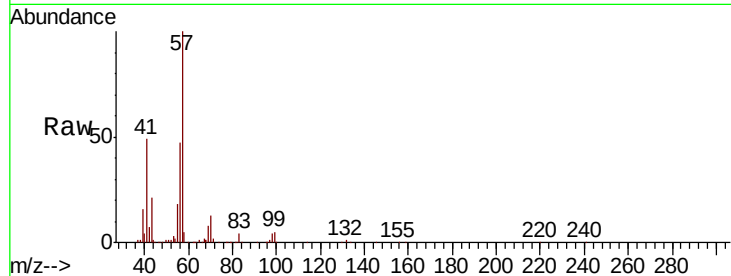
#44
 2,2,4-Trimethylpentane
 Concen: 1.516 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. -0.03 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Instrument :
 MSVOA_L
 ClientSampled :
 SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	50.0	27.4	41.0#
56	47.8	25.0	37.6#

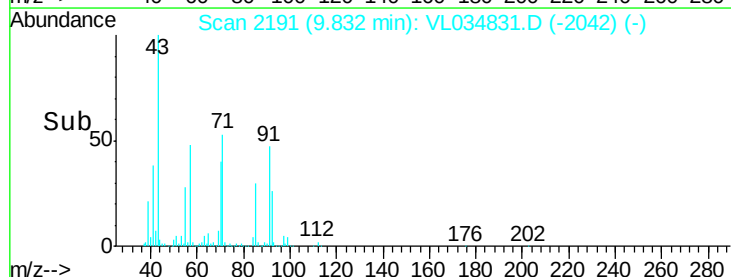
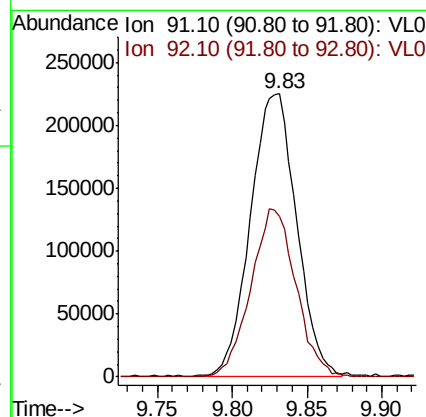
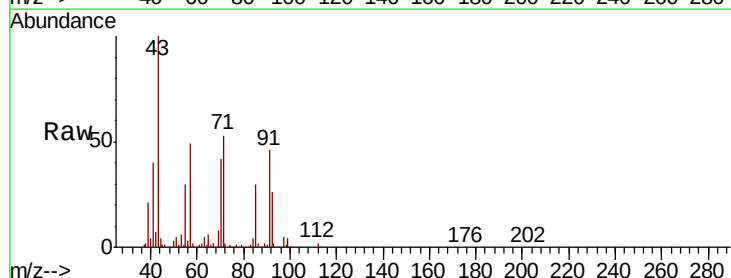
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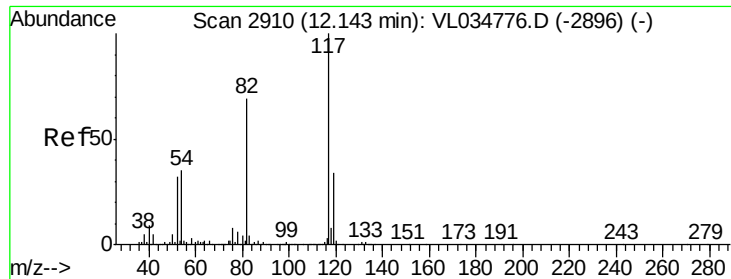
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#53
 Toluene
 Concen: 2.558 ppbv
 RT: 9.83 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	48.2	72.2





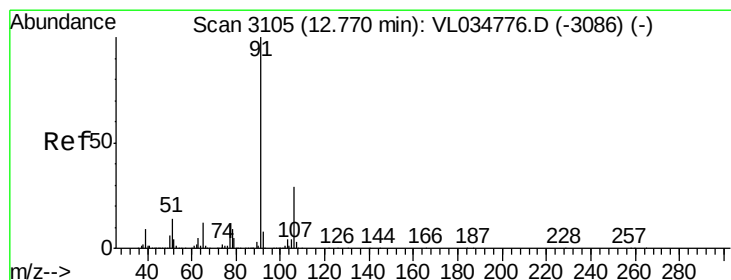
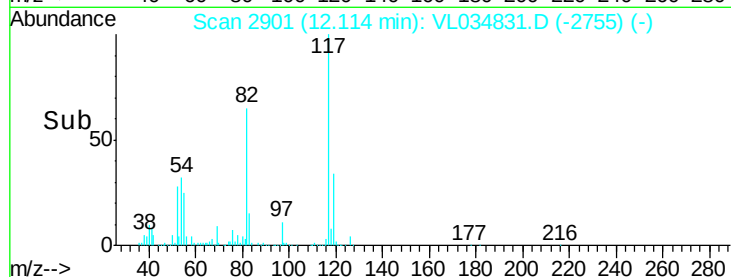
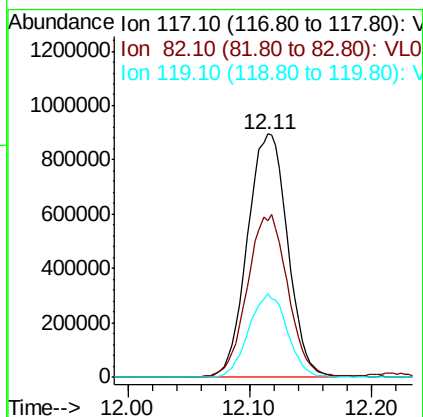
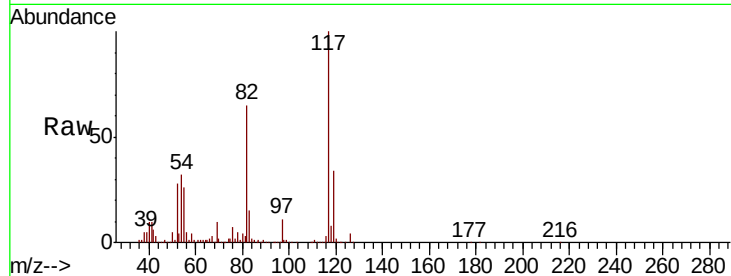
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	53.9	80.9
119	32.9	25.0	37.4

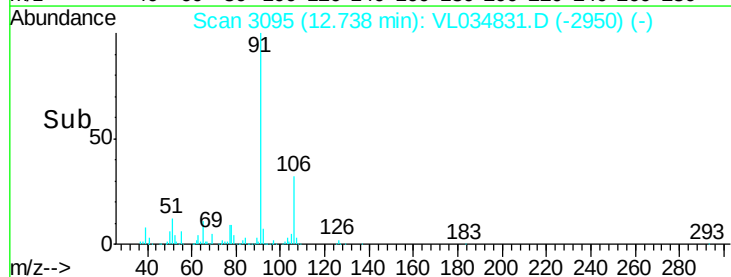
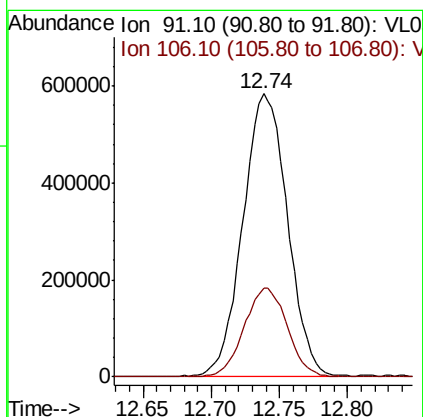
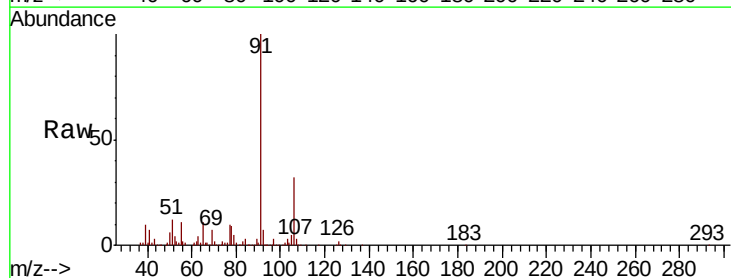
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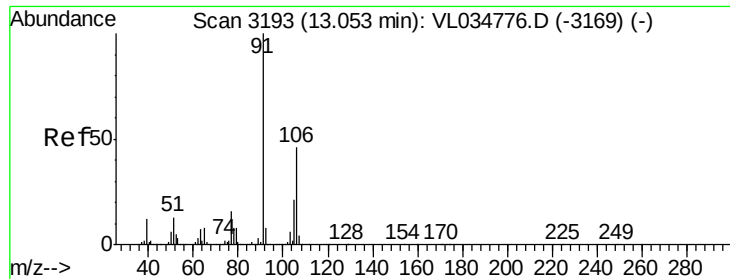
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#58
Ethyl Benzene
Concen: 5.223 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	22.8	34.2





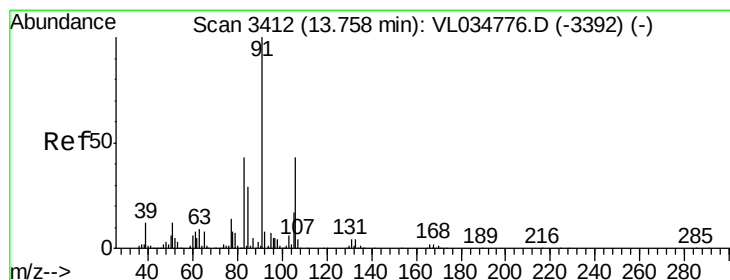
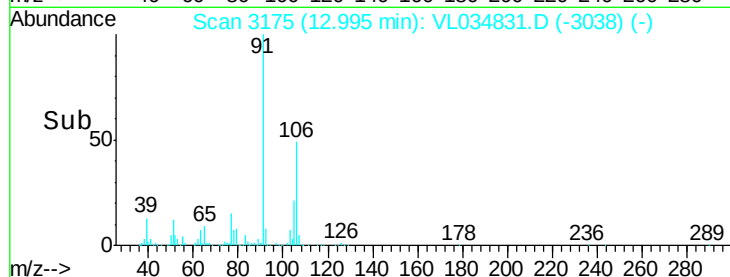
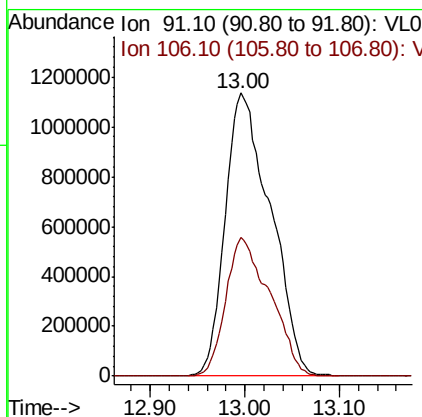
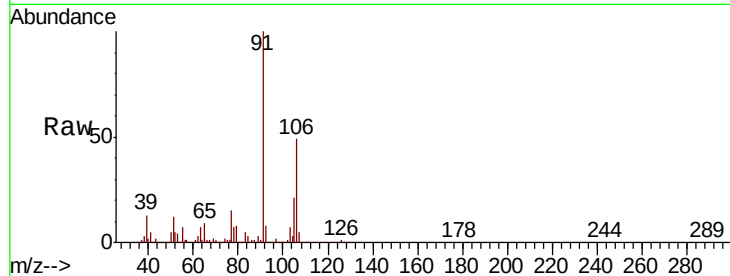
#59
m/p-Xylene
Concen: 17.226 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.06 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampled :
SS-3-4DL2

Tot Ion: 91 Resp: 3756029
Ion Ratio Lower Upper
91 100
106 48.1 35.8 53.8

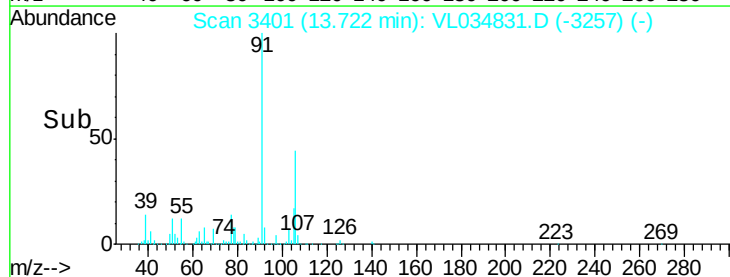
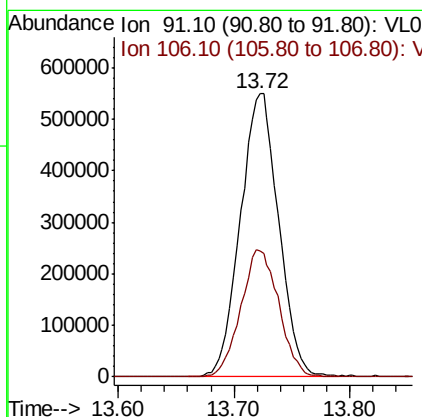
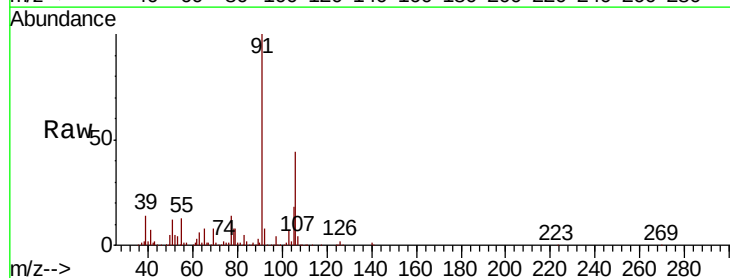
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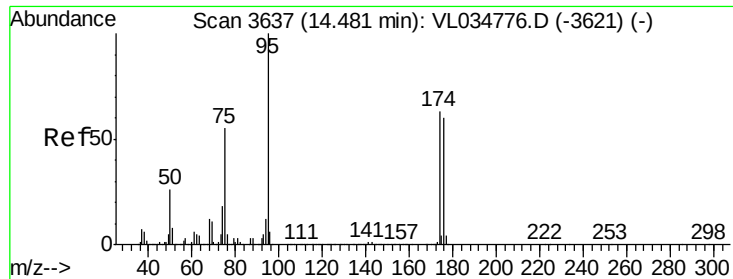
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#60
o-Xylene
Concen: 5.688 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion: 91 Resp: 1254911
Ion Ratio Lower Upper
91 100
106 44.9 21.7 65.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.641 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.03 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.5	50.6	76.0
175	5.8	3.8	5.6

Manual Integrations
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MMDadoda
 3/9/2020 9:21:20 AM

