

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034827.D
 Acq On : 6 Mar 2020 23:07
 Operator : SY/AP
 Sample : L1698-04DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4DL2

Manual Integrations
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Quant Time: Mar 07 09:13:15 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	895949	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2111958	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.11	117	2084044	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1660926	9.56	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	96838	1.667	ppbv	96
10) Heptane	8.14	43	970944	9.509	ppbv	97
26) Hexane	5.69	57	3806313	46.994	ppbv #	42
30) Cyclohexane	7.14	84	769501m	12.418	ppbv	
36) Benzene	6.90	78	1096360	6.075	ppbv	97
53) Toluene	9.83	91	302750	1.585	ppbv	98

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

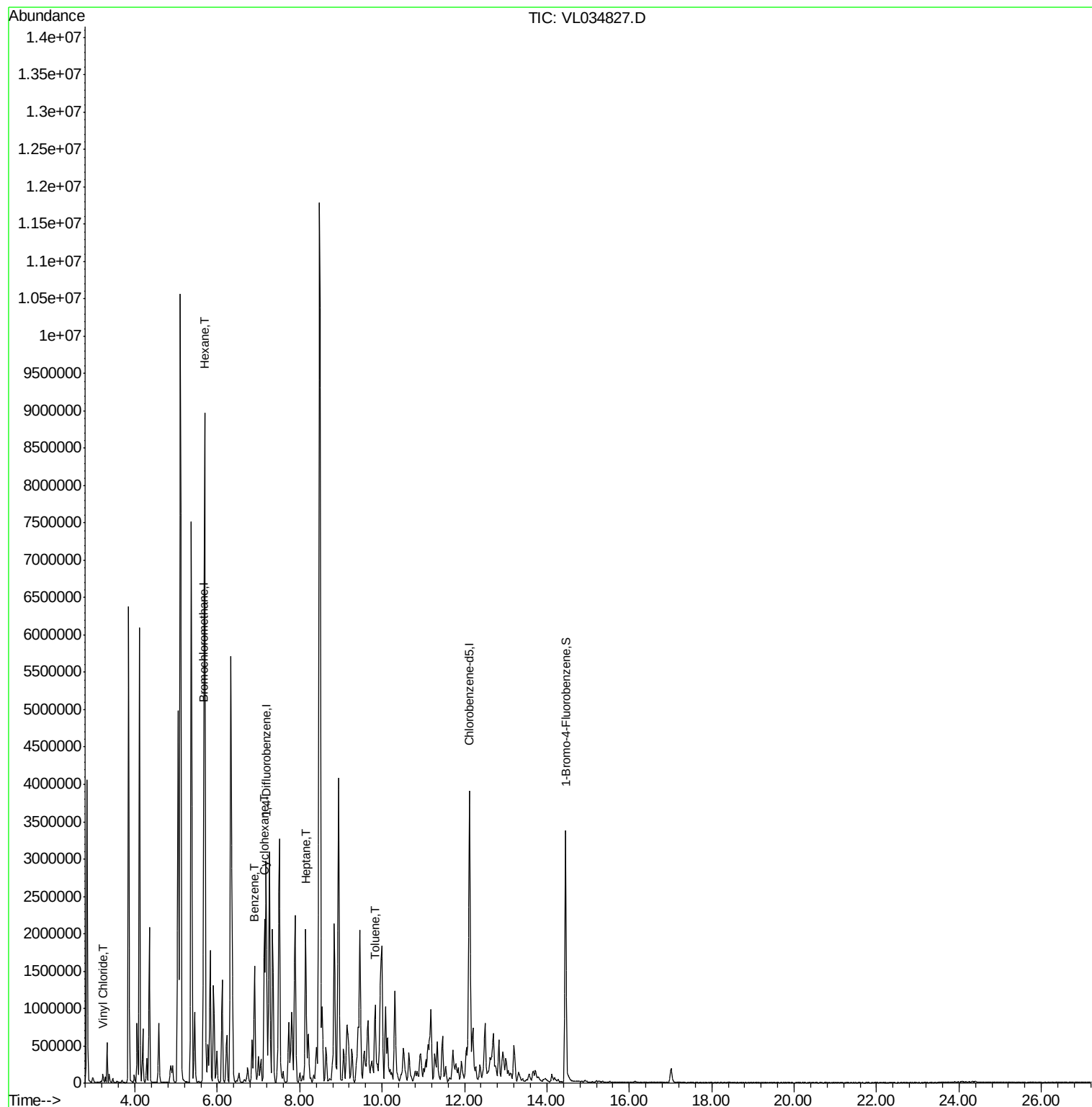
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
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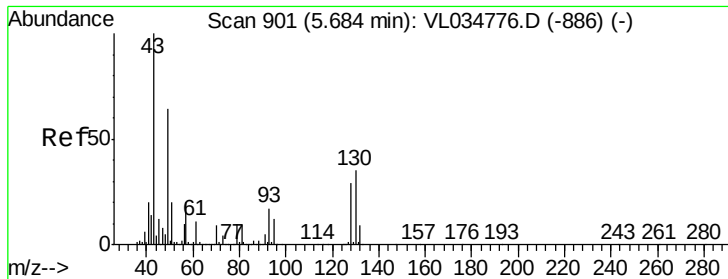
Instrument :
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ClientSampleId :
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Quant Time: Mar 07 09:13:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL034827.D

Acq: 6 Mar 2020 23:07

Instrument :

MSVOA_L

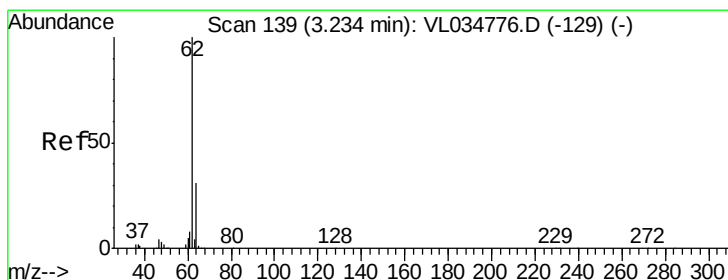
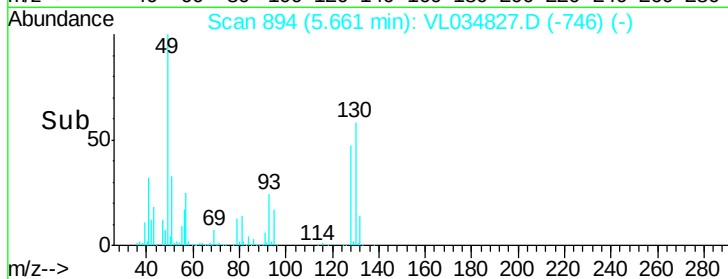
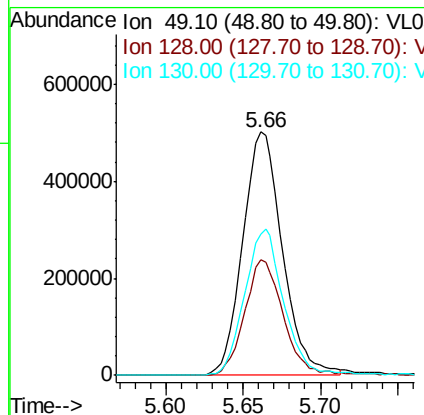
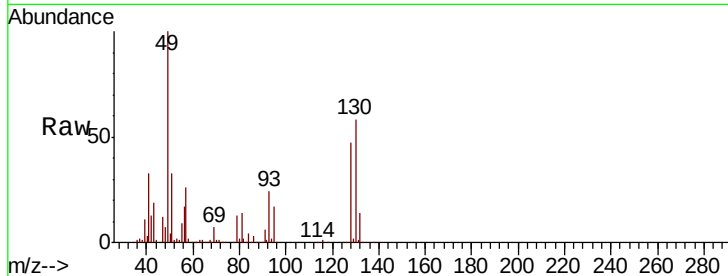
ClientSampleId :

SS-4-4DL2

Tot Ion:	49	Resp:	895949
Ion	Ratio	Lower	Upper
49	100		
128	46.8	21.6	64.6
130	60.2	27.4	82.2

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#5

Vinyl Chloride

Concen: 1.667 ppbv

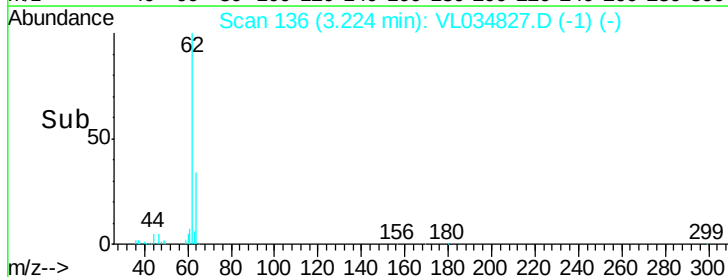
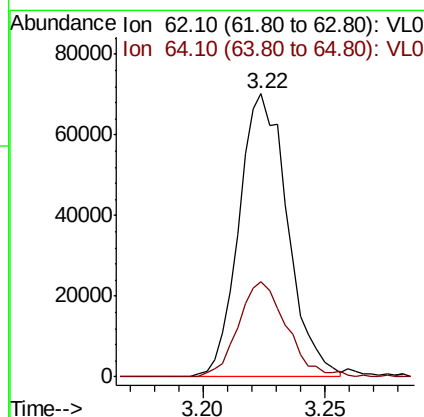
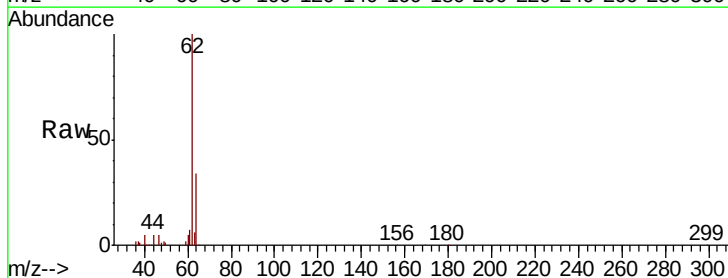
RT: 3.22 min Scan# 136

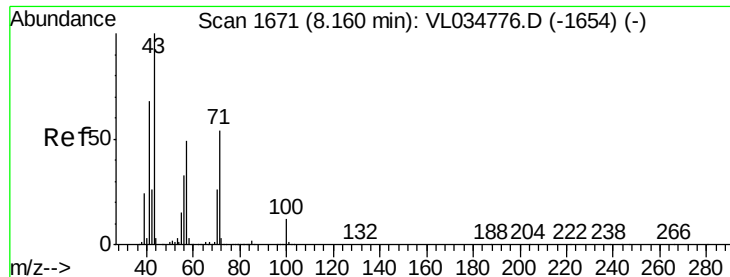
Delta R.T. -0.01 min

Lab File: VL034827.D

Acq: 6 Mar 2020 23:07

Tgt Ion:	62	Resp:	96838
Ion	Ratio	Lower	Upper
62	100		
64	33.7	25.1	37.7





#10

Heptane

Concen: 9.509 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034827.D

Acq: 6 Mar 2020 23:07

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4DL2

Tot Ion: 43 Resp: 970944

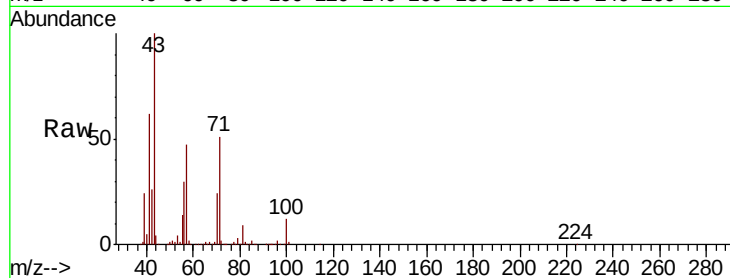
Ion Ratio Lower Upper

43 100

57 48.4 40.5 60.7

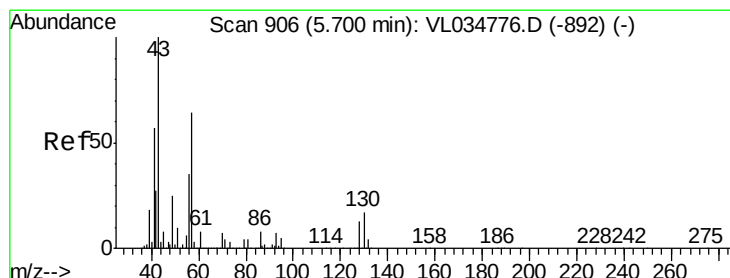
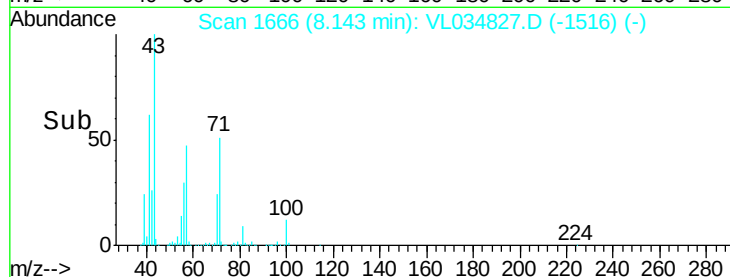
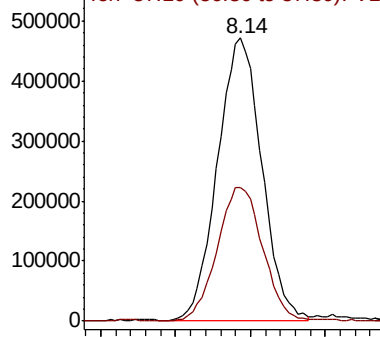
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#26

Hexane

Concen: 46.994 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034827.D

Acq: 6 Mar 2020 23:07

Tgt Ion: 57 Resp: 3806313

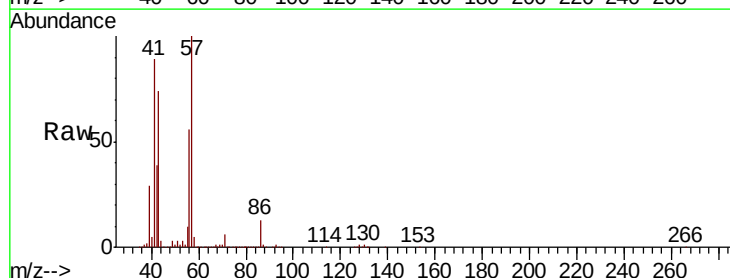
Ion Ratio Lower Upper

57 100

41 92.3 72.0 108.0

43 72.7 179.1 268.7#

56 55.0 42.6 63.8

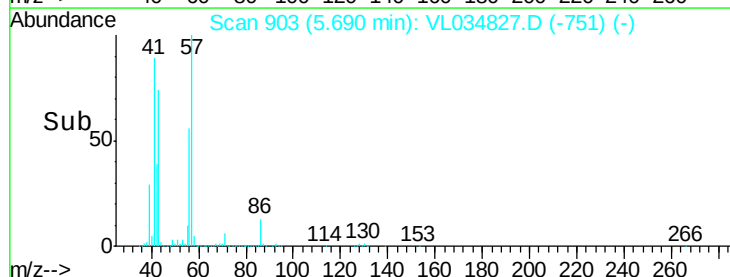
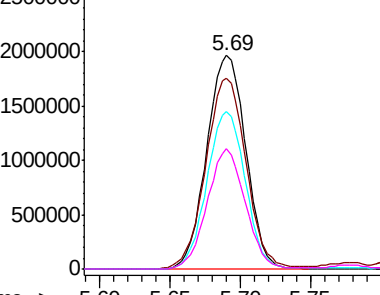


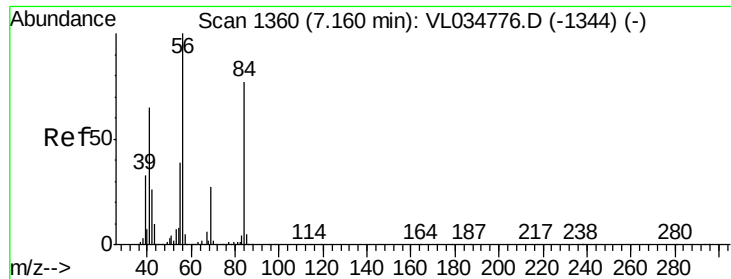
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





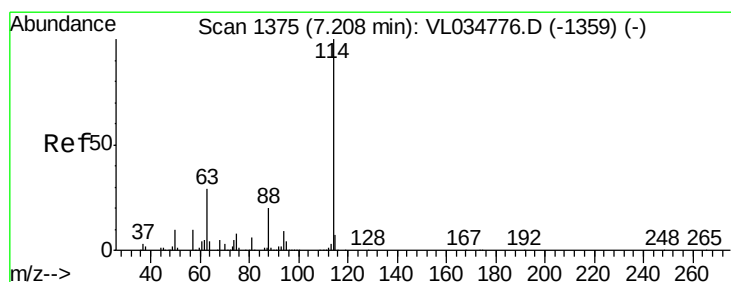
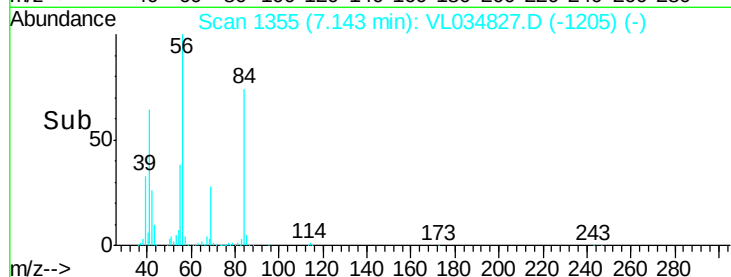
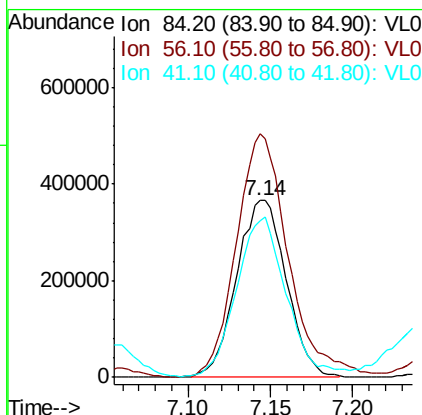
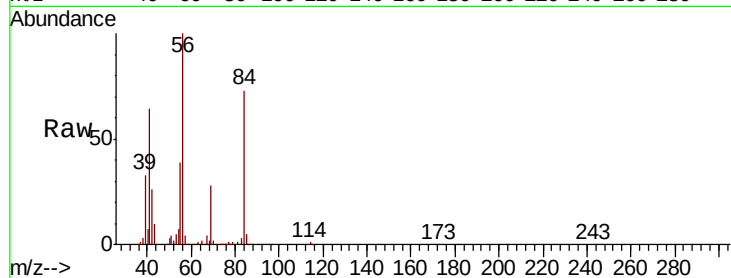
#30
Cyclohexane
Concen: 12.418 ppbv m
RT: 7.14 min Scan# 1355
Delta R.T. -0.02 min
Lab File: VL034827.D
Acq: 6 Mar 2020 23:07

Instrument :
MSVOA_L
ClientSampleId :
SS-4-DL2

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.2	169.8#
41	0.0	70.2	105.4#

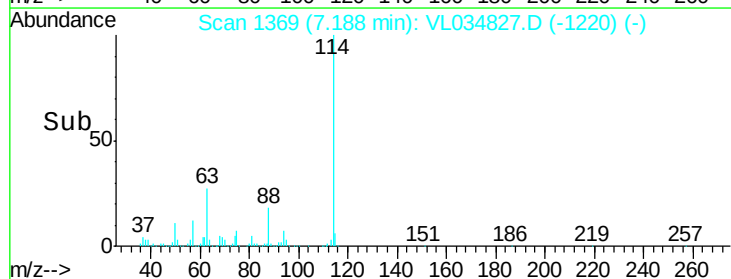
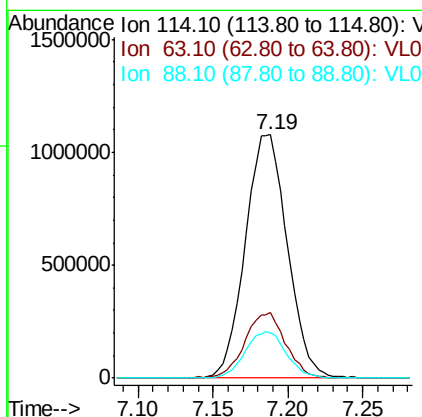
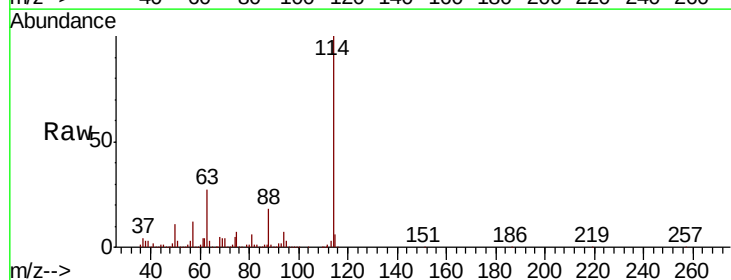
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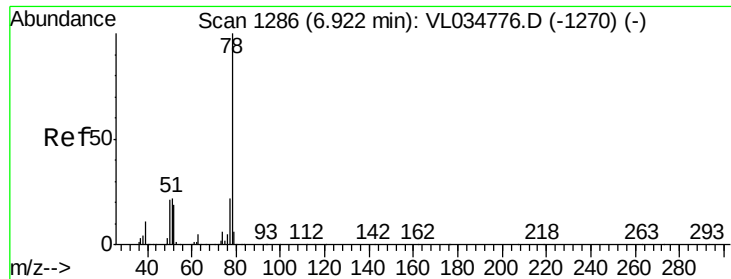
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.02 min
Lab File: VL034827.D
Acq: 6 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.3	23.6	35.4
88	18.8	15.8	23.8





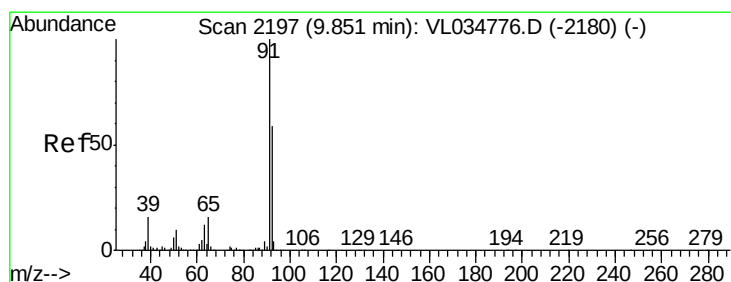
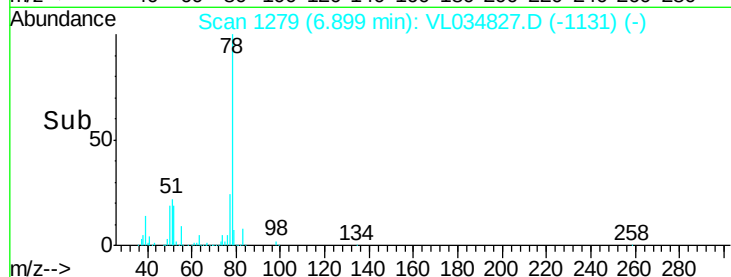
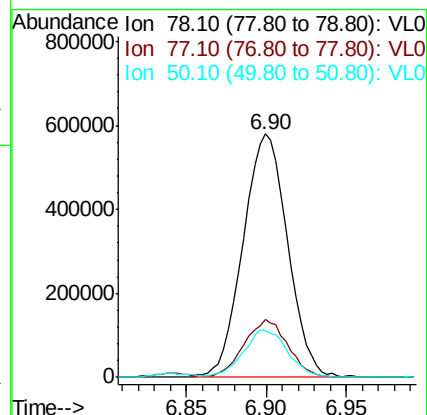
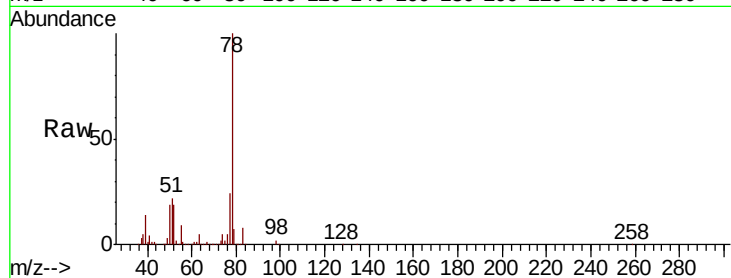
#36
Benzene
Concen: 6.075 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.02 min
Lab File: VL034827.D
Acq: 6 Mar 2020 23:07

Instrument :
MSVOA_L
ClientSampleId :
SS-4-DL2

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.0	27.0
50	19.0	16.9	25.3

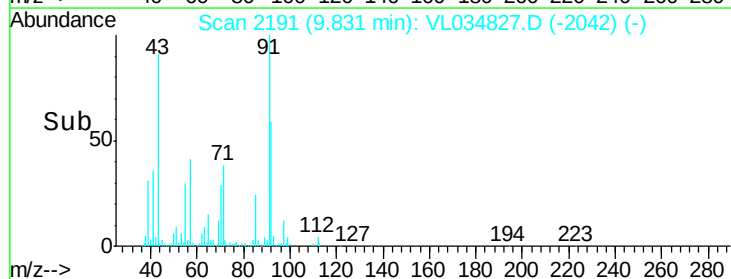
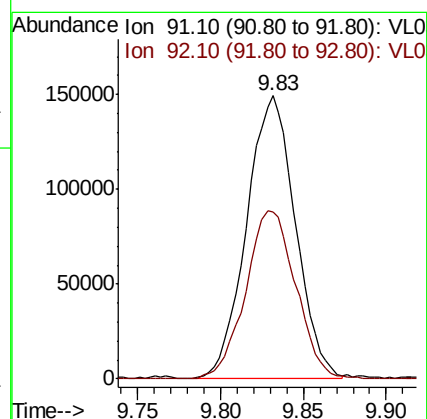
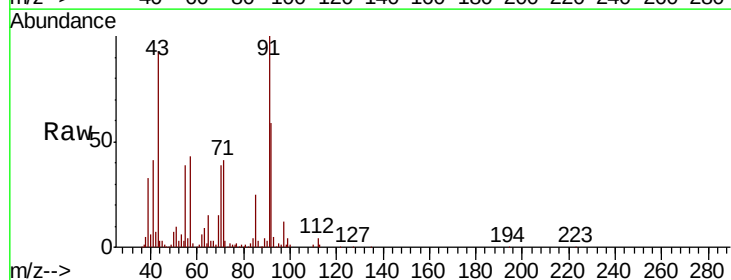
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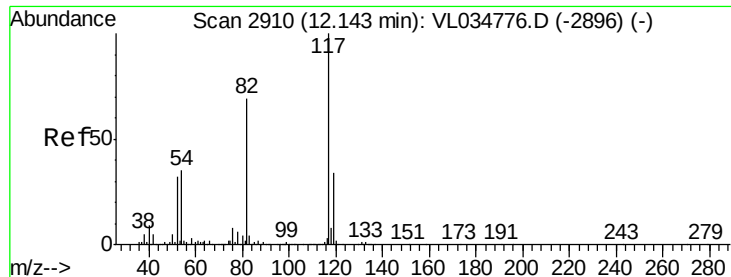
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#53
Toluene
Concen: 1.585 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. -0.02 min
Lab File: VL034827.D
Acq: 6 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.2	72.2





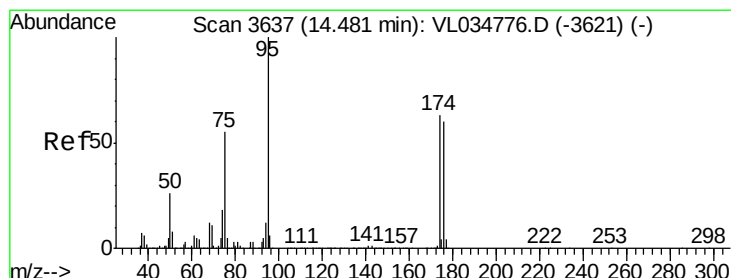
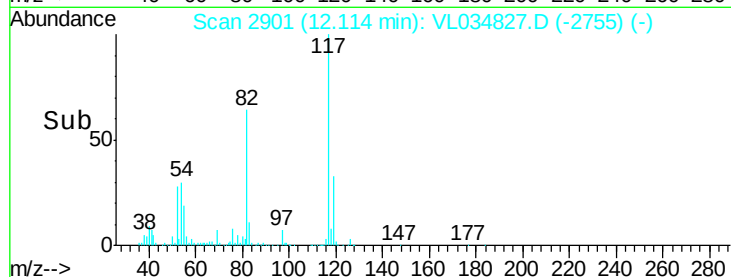
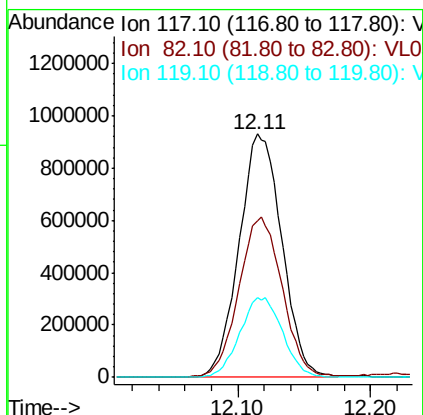
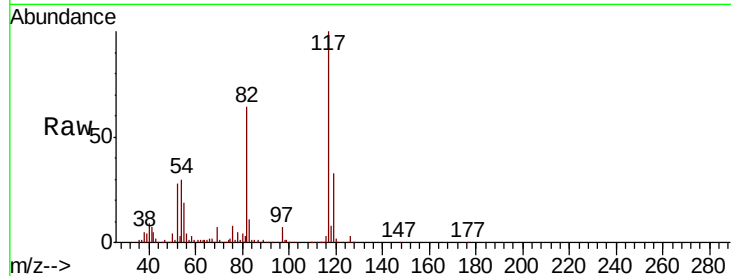
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.03 min
Lab File: VL034827.D
Acq: 6 Mar 2020 23:07

Instrument :
MSVOA_L
ClientSampleId :
SS-4-4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.9	80.9
119	32.9	25.0	37.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.558 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.03 min
Lab File: VL034827.D
Acq: 6 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.0	50.6	76.0
175	5.3	3.8	5.6

