

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037007.D
 Acq On : 20 May 2021 1:07
 Operator : SY/AP
 Sample : M2424-10DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08DL

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:02:19 PM

Quant Time: May 22 22:47:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1124388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3369398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3117393	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2305333	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	124489	1.688	ppbv	90
10) Heptane	8.09	43	97801	0.532	ppbv	96
13) Ethanol	3.59	45	64224m	6.526	ppbv	
15) Acetone	3.82	43	4710504	40.901	ppbv	97
20) Methylene Chloride	4.32	84	317923	5.150	ppbv	99
24) 1,1-Dichloroethane	4.98	63	18096m	0.138	ppbv	
26) Hexane	5.66	57	427799	3.026	ppbv #	42
27) Carbon Disulfide	4.53	76	85698	0.601	ppbv	94
30) Cyclohexane	7.10	84	34259	0.285	ppbv #	73
34) 2-Butanone	5.22	43	304471	2.482	ppbv	100
36) Benzene	6.86	78	73767	0.254	ppbv	95
53) Toluene	9.77	91	89409	0.259	ppbv	93
59) m/p-Xylene	12.93	91	40050m	0.110	ppbv	

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

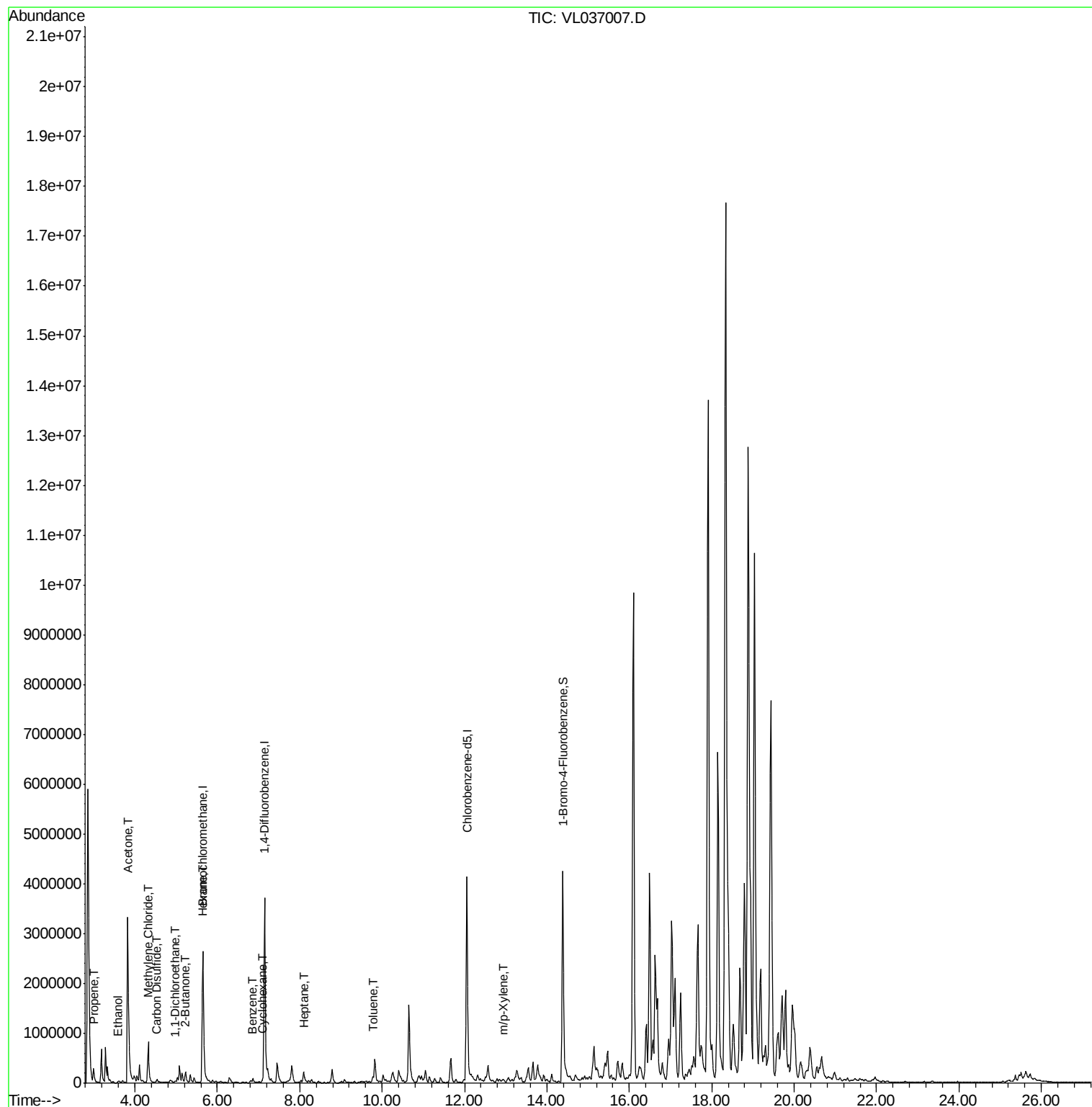
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037007.D
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Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

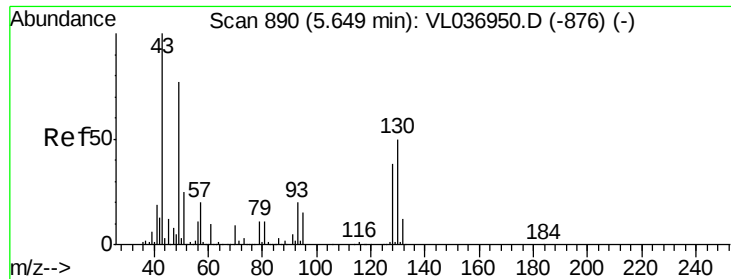
Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL

Manual Integrations
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Quant Time: May 22 22:47:05 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

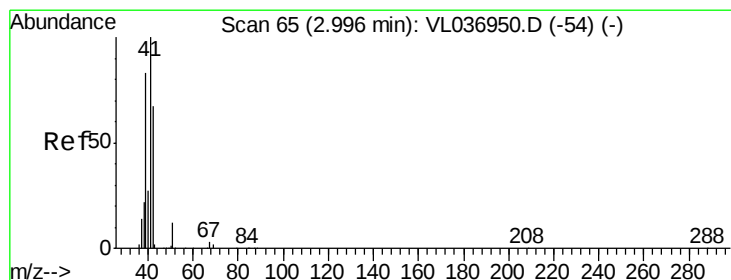
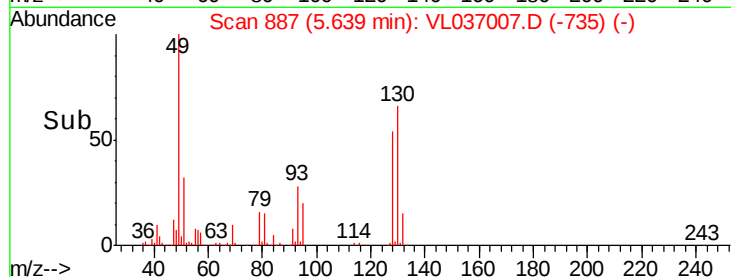
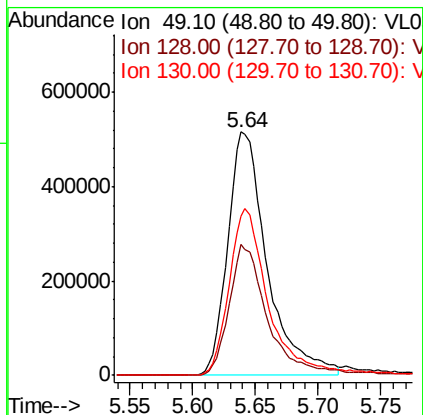
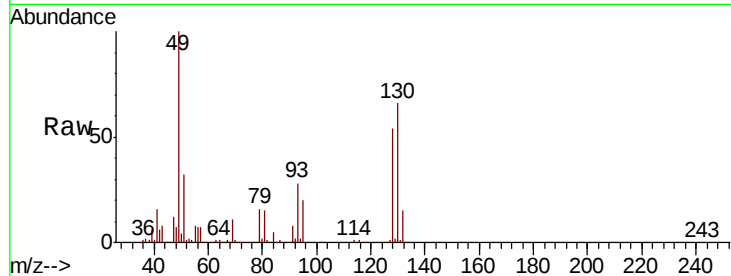
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: VL037007.D
 Acq: 20 May 2021 1:07

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08DL

Tot Ion: 49 Resp: 1124388
 Ion Ratio Lower Upper
 49 100
 128 53.8 26.9 80.7
 130 69.7 33.8 101.4

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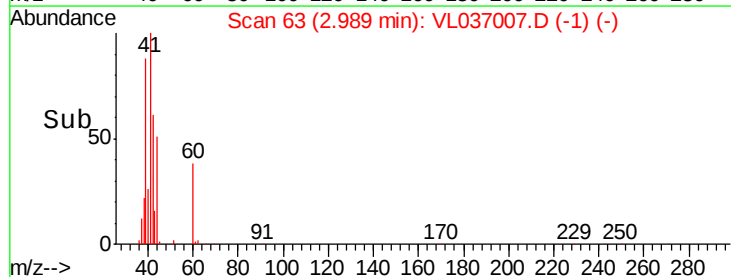
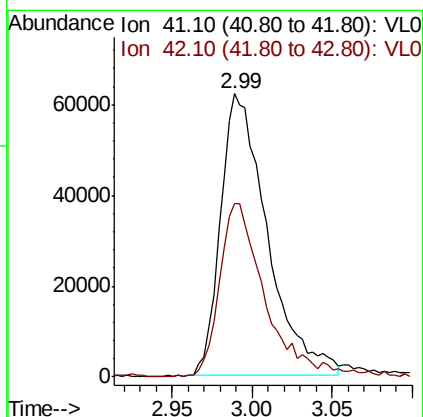
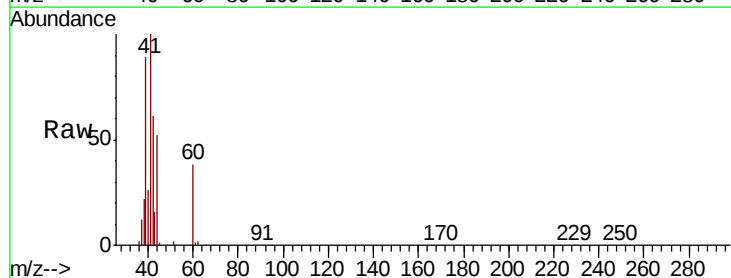
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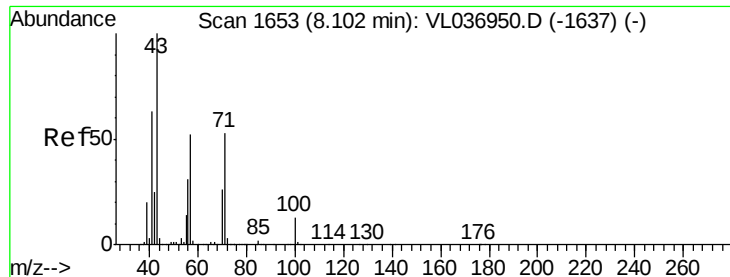


#9

Propene
 Concen: 1.688 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.01 min
 Lab File: VL037007.D
 Acq: 20 May 2021 1:07

Tgt Ion: 41 Resp: 124489
 Ion Ratio Lower Upper
 41 100
 42 59.4 53.9 80.9





#10

Heptane

Concen: 0.532 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.01 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Instrument :

MSVOA_L

ClientSampled :

KSV-08DL

Tot Ion: 43 Resp: 97801

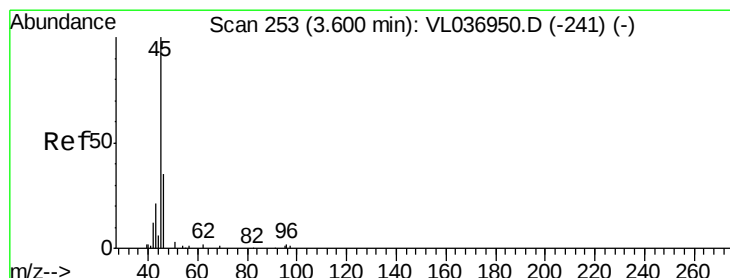
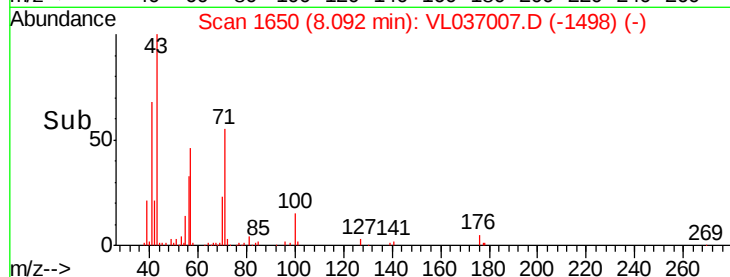
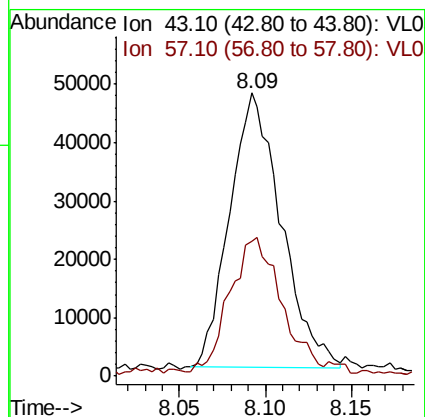
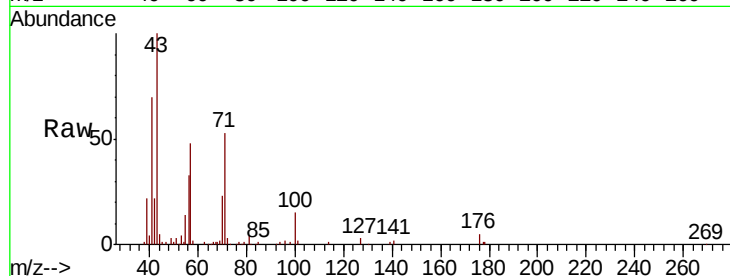
Ion Ratio Lower Upper

43 100

57 54.4 41.0 61.6

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#13

Ethanol

Concen: 6.526 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037007.D

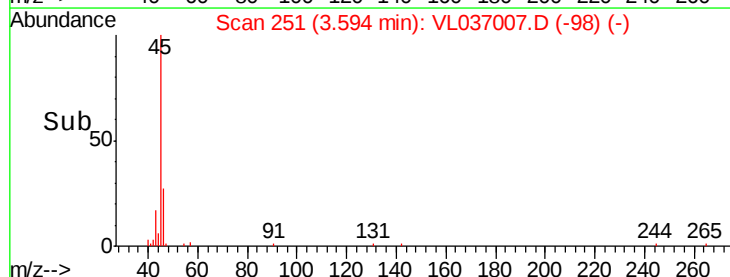
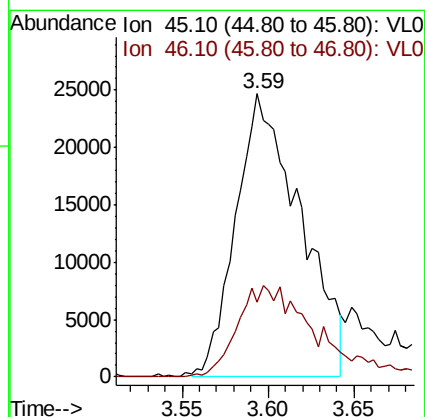
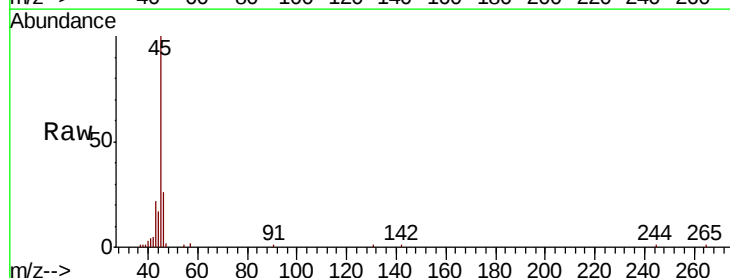
Acq: 20 May 2021 1:07

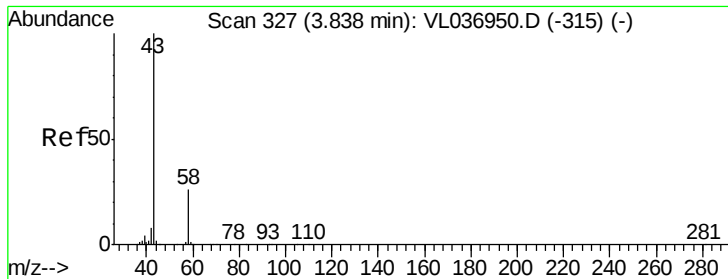
Tgt Ion: 45 Resp: 64224

Ion Ratio Lower Upper

45 100

46 40.0 16.3 65.3





#15

Acetone

Concen: 40.901 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Instrument :

MSVOA_L

ClientSampleID :

KSV-08DL

Tot Ion: 43 Resp: 4710504

Ion Ratio Lower Upper

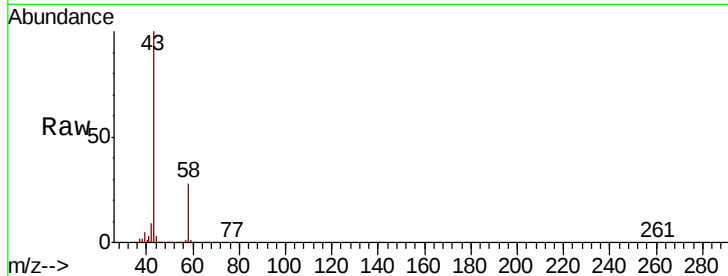
43 100

58 28.3 24.0 36.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

2500000

2000000

1500000

1000000

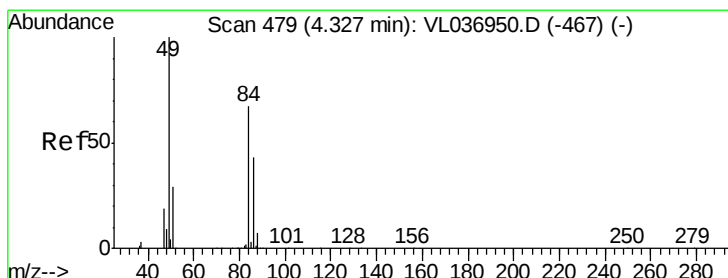
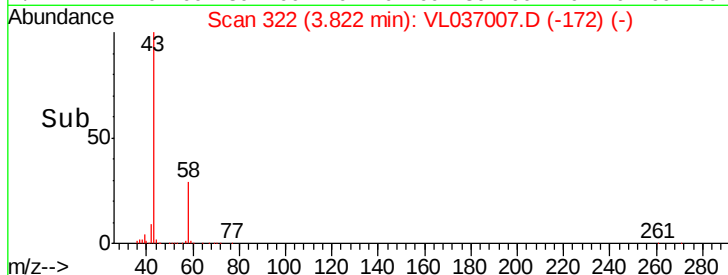
500000

0

3.82

3.90

Time-->



#20

Methylene Chloride

Concen: 5.150 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Tgt Ion: 84 Resp: 317923

Ion Ratio Lower Upper

84 100

49 147.3 119.8 179.6

51 44.0 35.1 52.7

86 63.4 50.9 76.3

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

400000

300000

200000

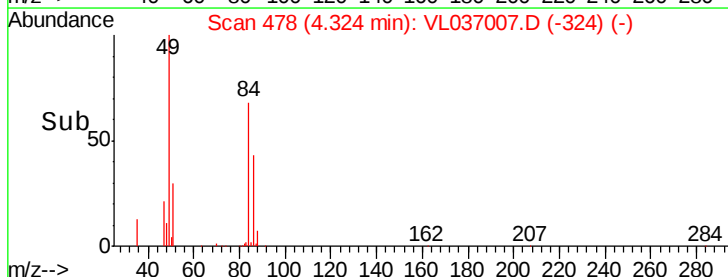
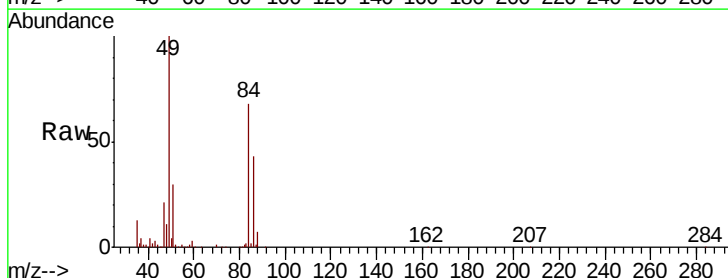
100000

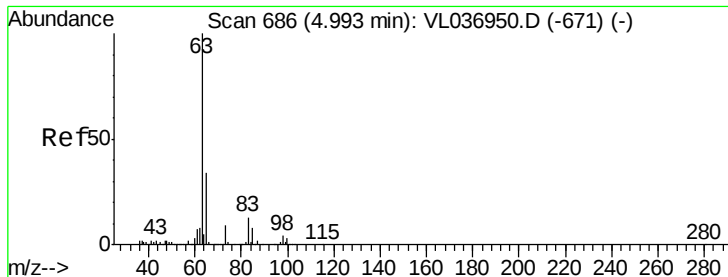
0

4.32

4.40

Time-->





#24

1,1-Dichloroethane

Concen: 0.138 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Instrument :

MSVOA_L

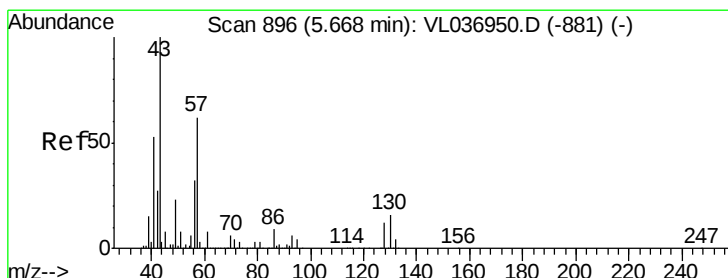
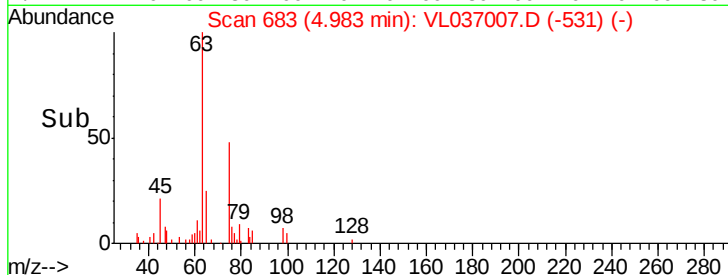
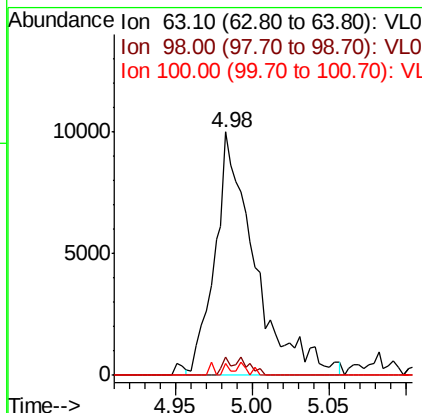
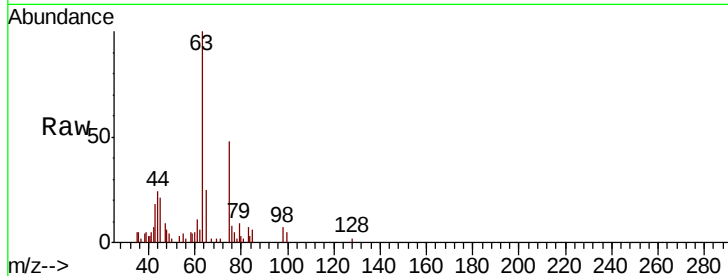
ClientSampled :

KSV-08DL

Tot Ion	Ratio	Resp	Lower	Upper
63	100	18096		
98	7.4	2.3	6.9#	
100	4.7	1.4	4.0#	

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#26

Hexane

Concen: 3.026 ppbv

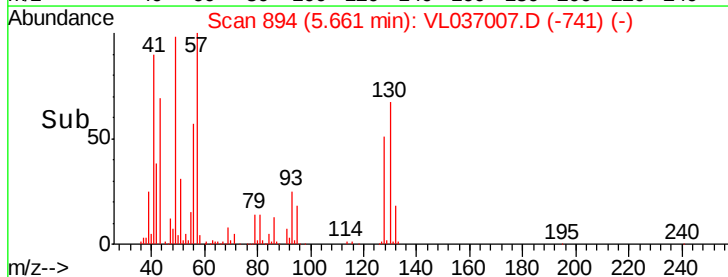
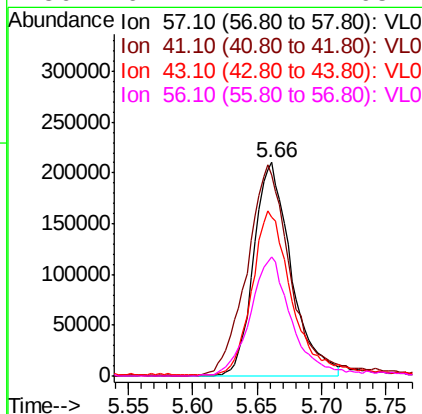
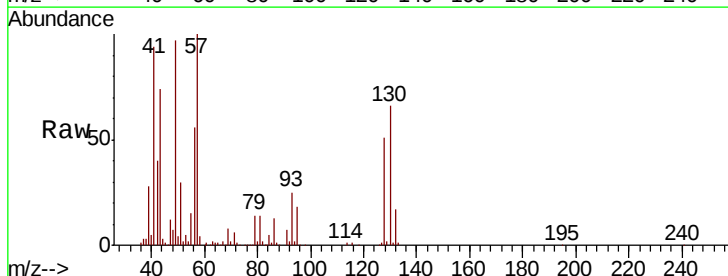
RT: 5.66 min Scan# 894

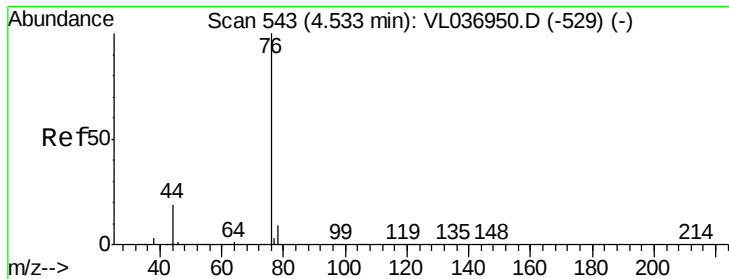
Delta R.T. -0.01 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	427799		
41	117.3	70.5	105.7#	
43	83.6	165.8	248.8#	
56	62.4	42.2	63.4	





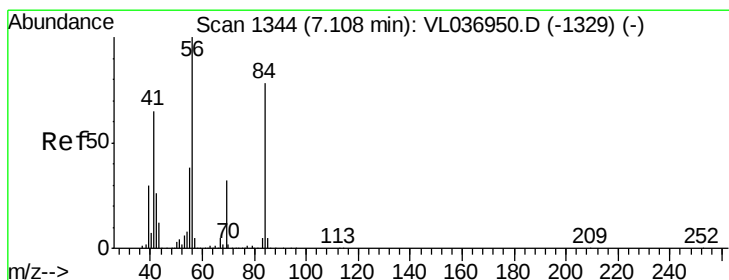
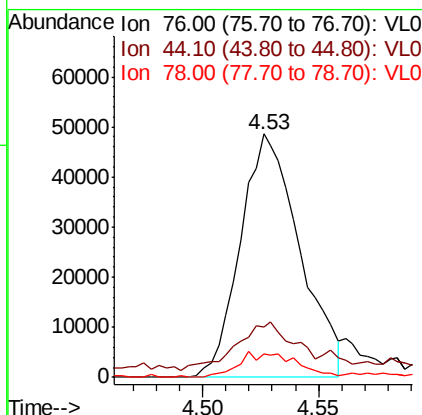
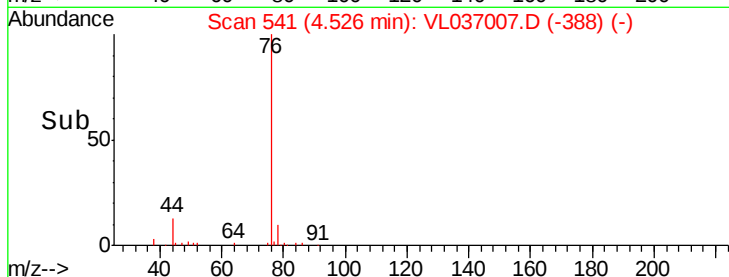
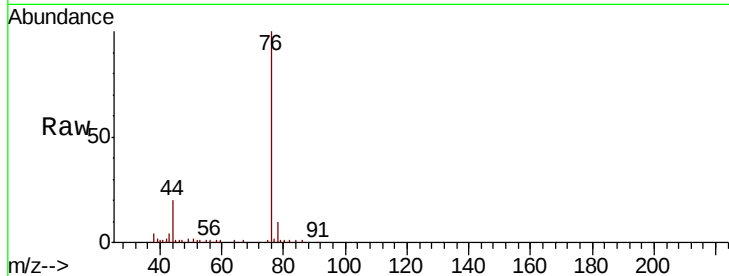
#27
Carbon Disulfide
Concen: 0.601 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.01 min
Lab File: VL037007.D
Acq: 20 May 2021 1:07

Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL

Tot Ion:	76	Resp:	85698
Ion	Ratio	Lower	Upper
76	100		
44	22.2	15.5	23.3
78	11.5	7.8	11.6

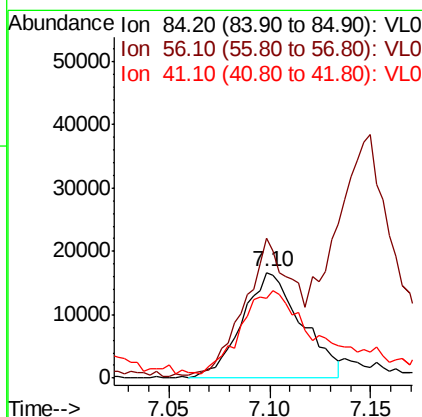
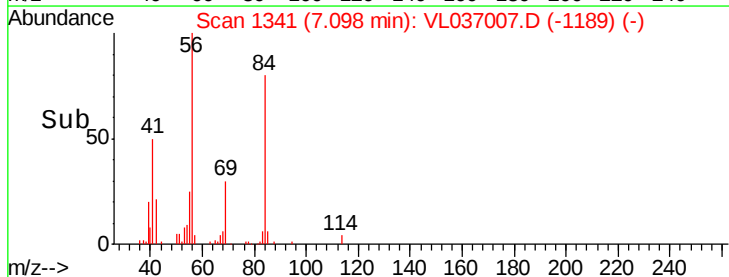
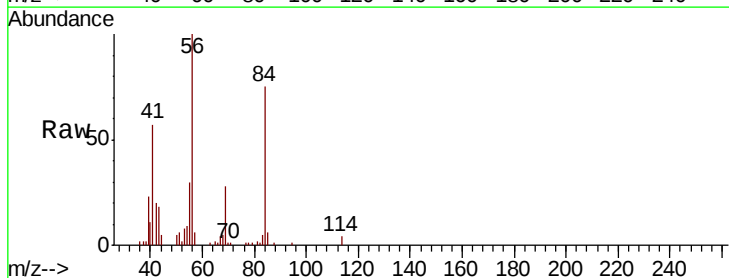
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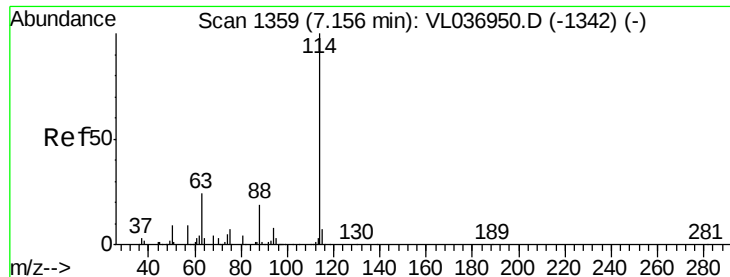
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#30
Cyclohexane
Concen: 0.285 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL037007.D
Acq: 20 May 2021 1:07

Tgt Ion:	84	Resp:	34259
Ion	Ratio	Lower	Upper
84	100		
56	109.0	107.9	161.9
41	113.3	65.5	98.3#





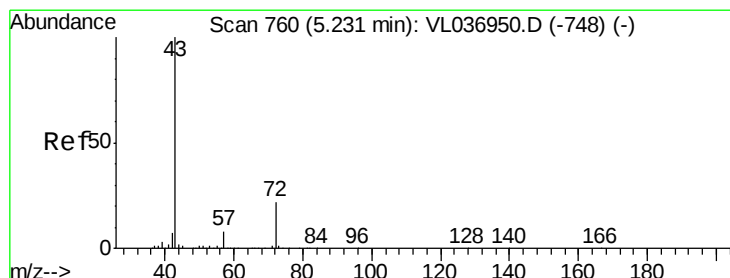
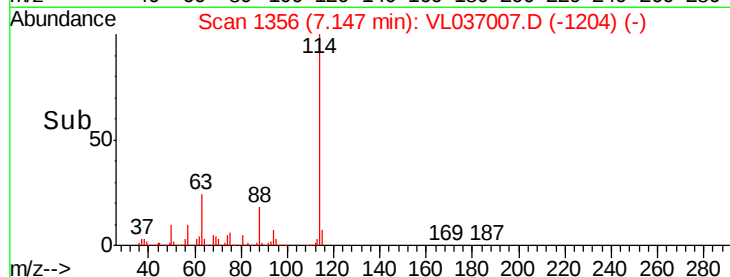
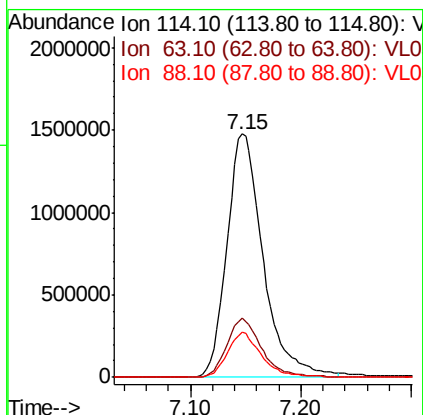
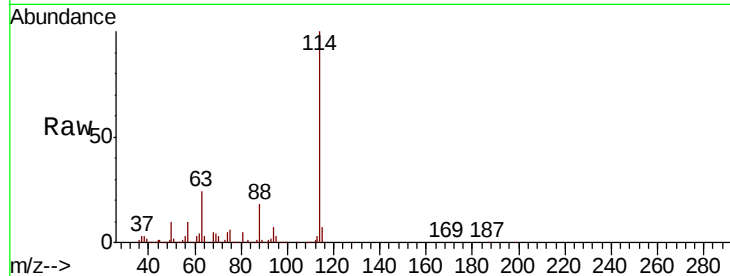
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL037007.D
 Acq: 20 May 2021 1:07

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.6	29.4
88	17.8	14.6	21.8

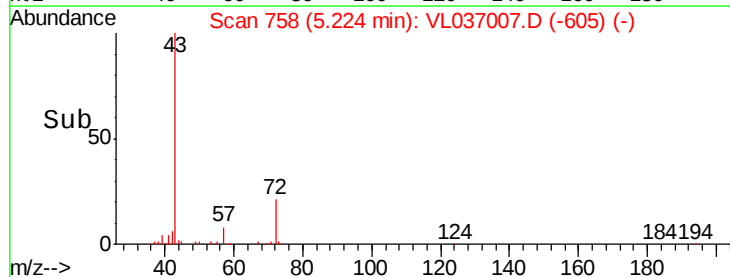
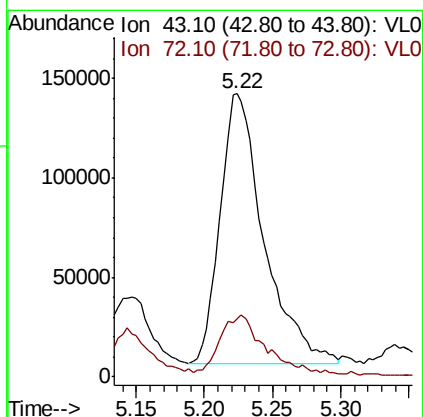
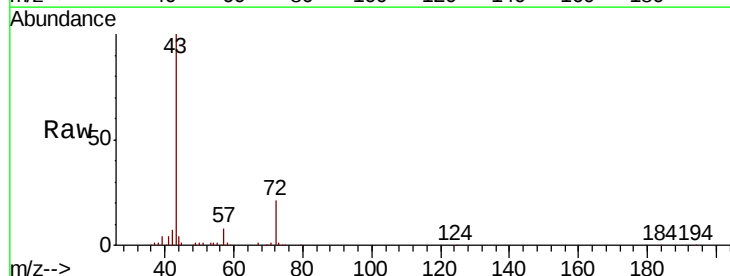
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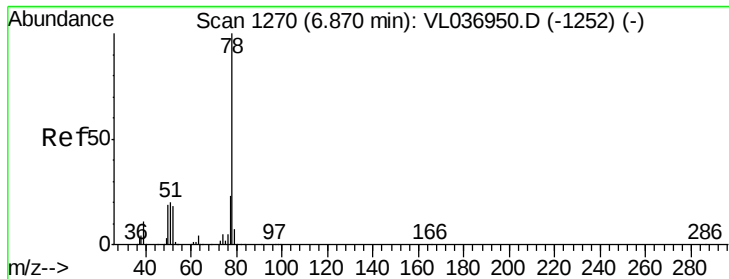
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#34
 2-Butanone
 Concen: 2.482 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037007.D
 Acq: 20 May 2021 1:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.4





#36

Benzene

Concen: 0.254 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Instrument :

MSVOA_L

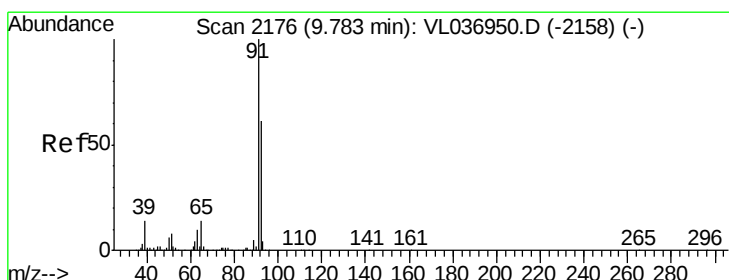
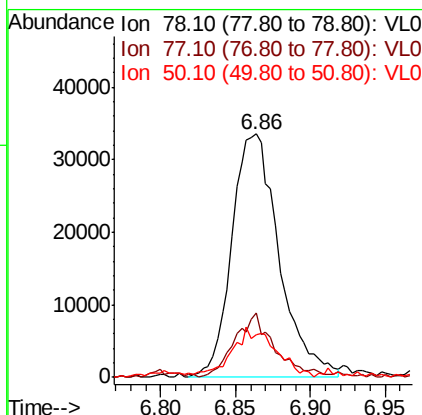
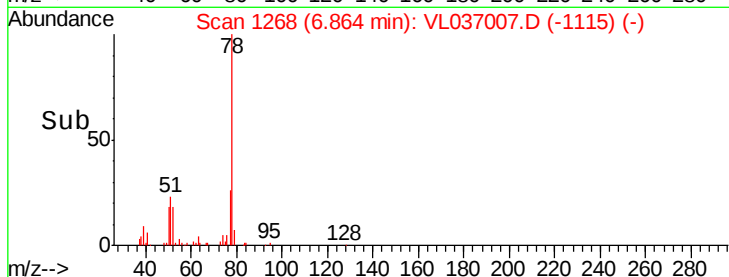
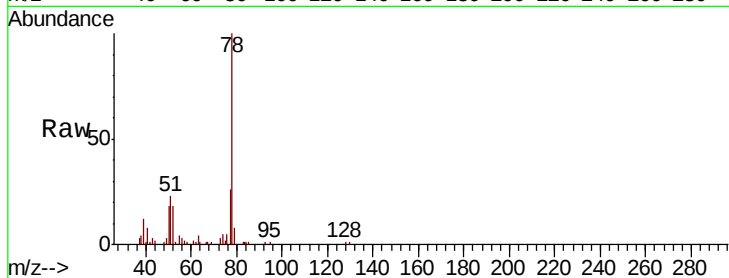
ClientSampleId :

KSV-08DL

Tot Ion:	78	Resp:	73767
Ion Ratio	Lower	Upper	
78	100		
77	25.8	18.6	28.0
50	16.2	15.0	22.4

Manual Integrations
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#53

Toluene

Concen: 0.259 ppbv

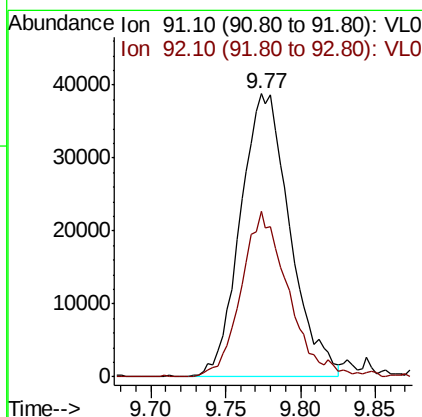
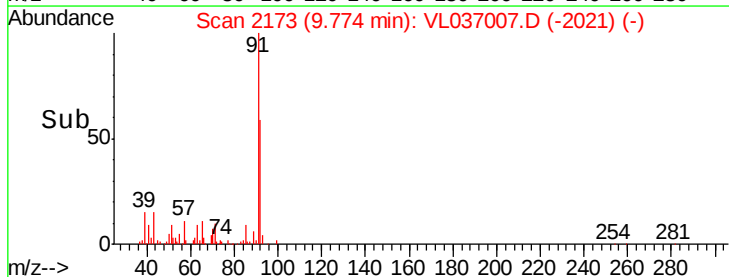
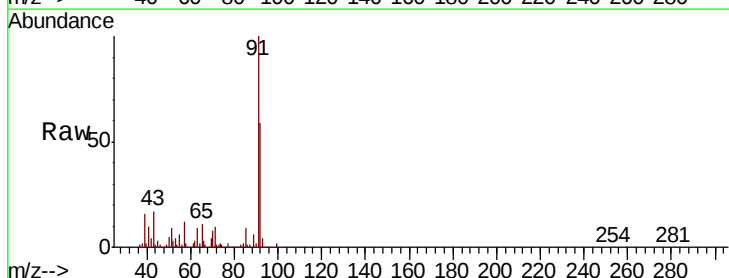
RT: 9.77 min Scan# 2173

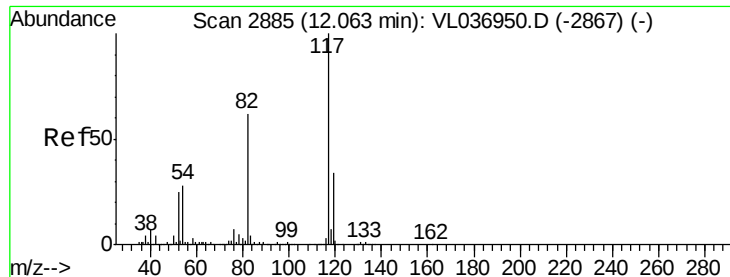
Delta R.T. -0.01 min

Lab File: VL037007.D

Acq: 20 May 2021 1:07

Tgt Ion:	91	Resp:	89409
Ion Ratio	Lower	Upper	
91	100		
92	56.5	49.5	74.3





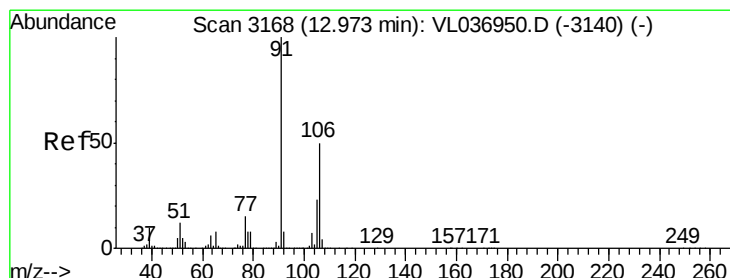
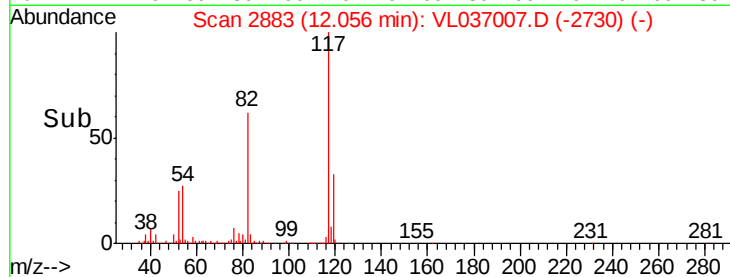
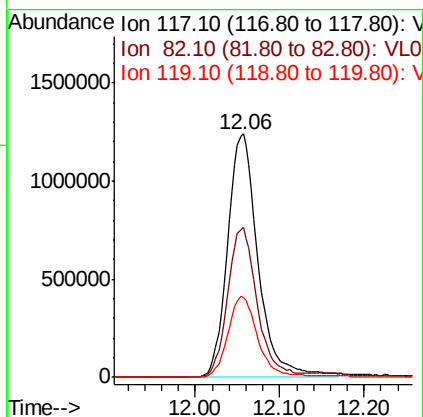
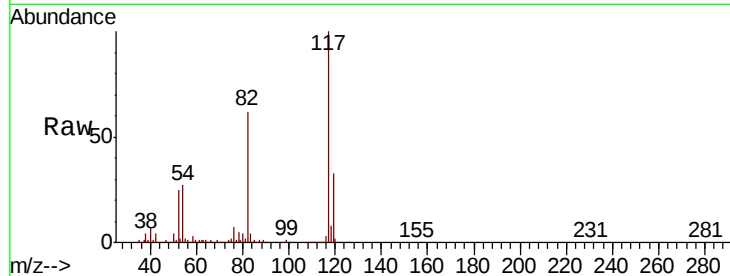
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL037007.D
Acq: 20 May 2021 1:07

Instrument :
MSVOA_L
ClientSampleId :
KSV-08DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	52.6	79.0
119	33.6	46.6	70.0#

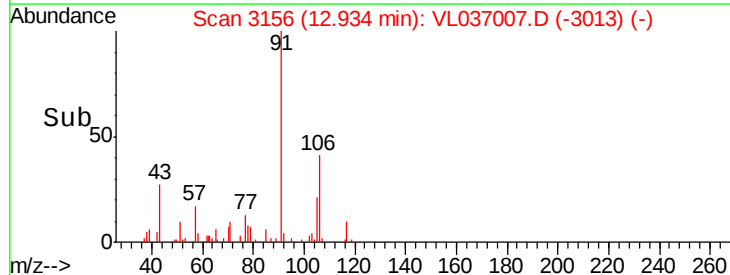
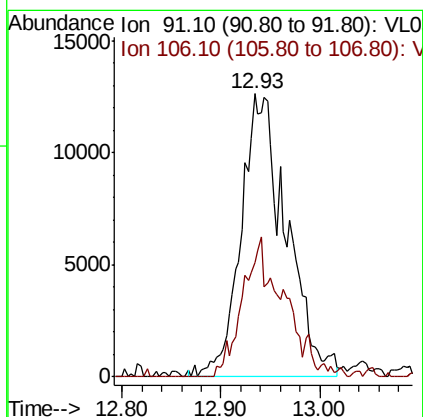
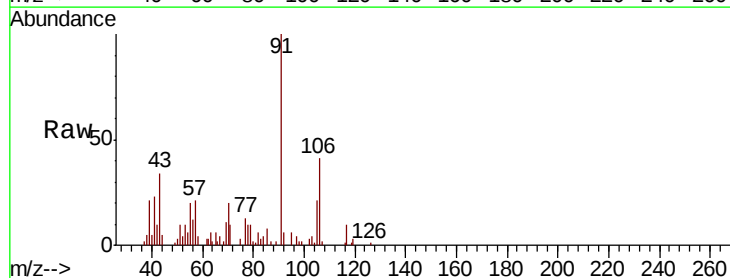
Manual Integrations
APPROVED

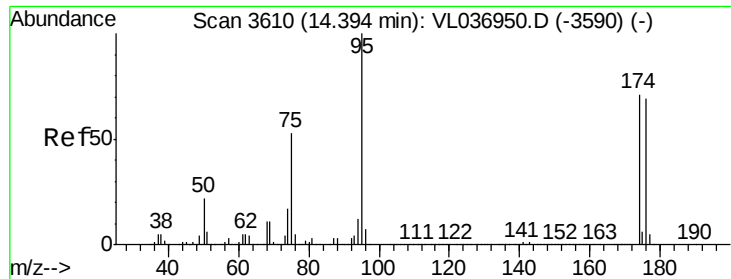
MMDadoda
5/24/2021 3:02:19 PM



#59
m/p-Xylene
Concen: 0.110 ppbv m
RT: 12.93 min Scan# 3156
Delta R.T. -0.04 min
Lab File: VL037007.D
Acq: 20 May 2021 1:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.844 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.01 min
 Lab File: VL037007.D
 Acq: 20 May 2021 1:07

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08DL

Tot Ion: 95 Resp: 2305333
 Ion Ratio Lower Upper
 95 100
 174 76.7 58.4 87.6
 175 5.7 4.4 6.6

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:02:19 PM

