

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034028.D
 Acq On : 11 Jul 2019 22:04
 Operator : SY/AP
 Sample : K3747-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NVS-1DL

Manual Integrations
 APPROVED

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 7/12/2019 10:47:13 PM

Quant Time: Jul 12 15:58:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1288494	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	3337863	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	3261558	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.53	95	2618241	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	732993	12.523	ppbv	91
10) Heptane	8.21	43	36020m	0.246	ppbv	
13) Ethanol	3.63	45	158283	8.705	ppbv	94
15) Acetone	3.88	43	1147797	5.298	ppbv #	72
26) Hexane	5.74	57	84798	0.625	ppbv #	42
27) Carbon Disulfide	4.59	76	97337	0.422	ppbv #	73
34) 2-Butanone	5.30	43	242656	1.374	ppbv	100
36) Benzene	6.97	78	74952	0.287	ppbv #	93
38) Trichloroethene	7.92	130	8394m	0.072	ppbv	
51) 2-Hexanone	10.25	43	24538m	0.116	ppbv	
53) Toluene	9.90	91	376734	1.260	ppbv	96
58) Ethyl Benzene	12.81	91	85632m	0.218	ppbv	
59) m/p-Xylene	13.07	91	345560m	0.973	ppbv	
60) o-Xylene	13.80	91	118504	0.334	ppbv	95
72) 4-Ethyltoluene	15.96	105	50193m	0.110	ppbv	
73) 1,3,5-Trimethylbenzene	16.11	105	42827m	0.101	ppbv	
74) 1,2,4-Trimethylbenzene	16.88	105	142580m	0.303	ppbv	

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

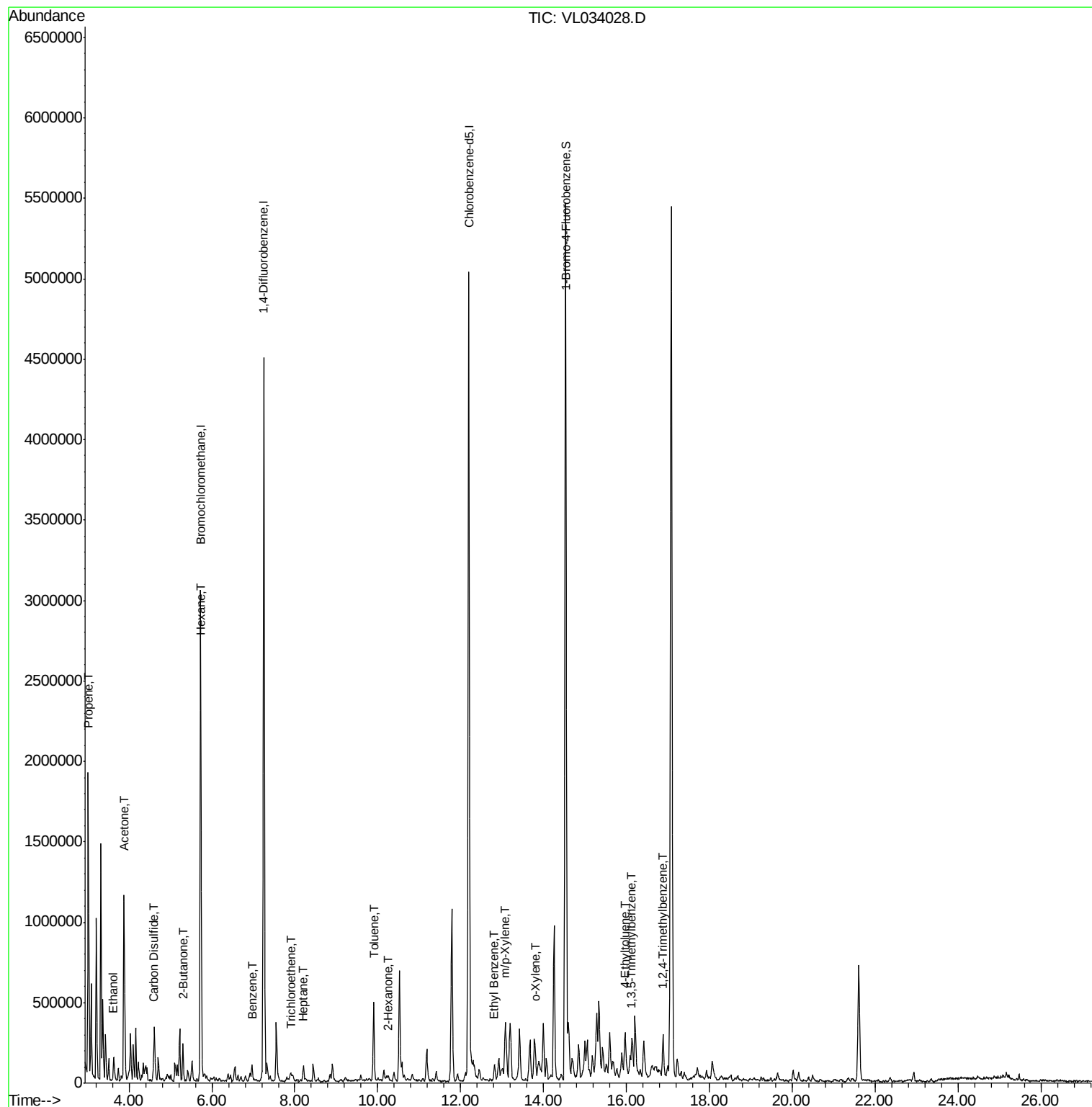
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071119\
Data File : VL034028.D
Acq On : 11 Jul 2019 22:04
Operator : SY/AP
Sample : K3747-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

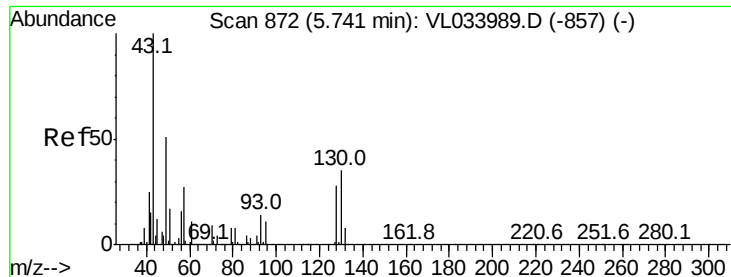
Instrument :
MSVOA_L
ClientSampleId :
NVS-1DL

Manual Integrations
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7/12/2019 10:47:13 PM

Quant Time: Jul 12 15:58:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

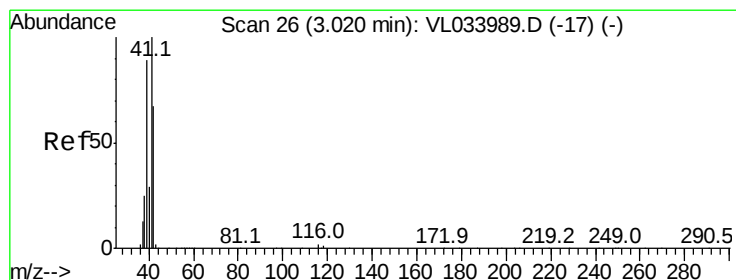
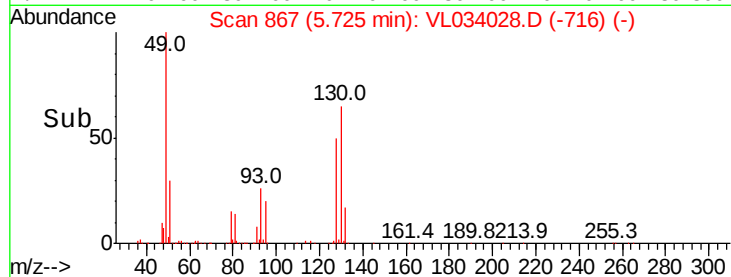
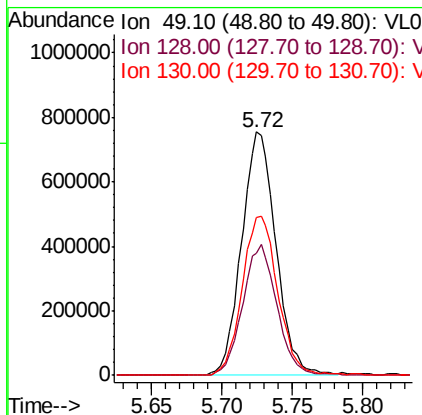
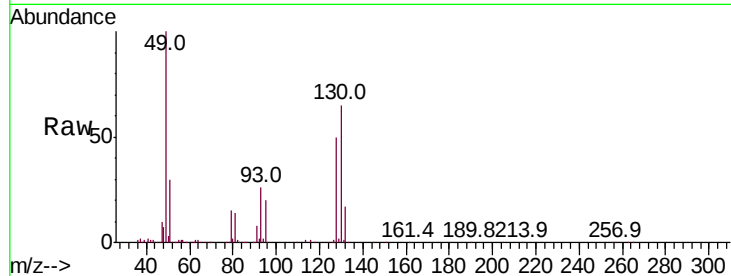
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.72 min Scan# 867
 Delta R.T. -0.02 min
 Lab File: VL034028.D
 Acq: 11 Jul 2019 22:04

Instrument :
 MSVOA_L
 ClientSampled :
 NVS-1DL

Tot Ion: 49 Resp: 1288494
 Ion Ratio Lower Upper
 49 100
 128 53.9 27.9 83.6
 130 68.5 35.8 107.4

Manual Integrations
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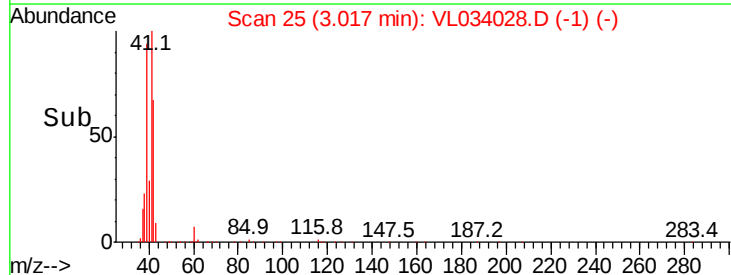
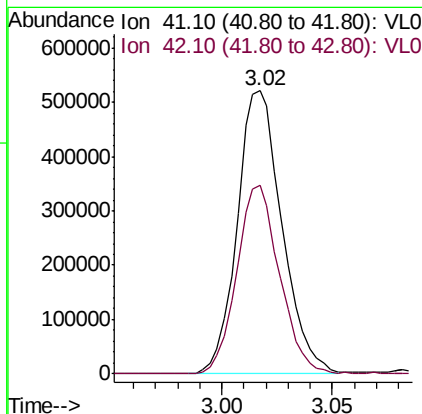
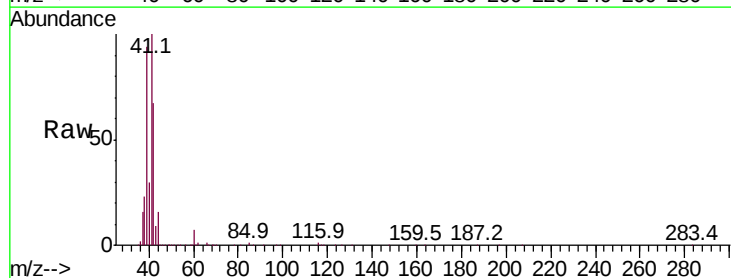
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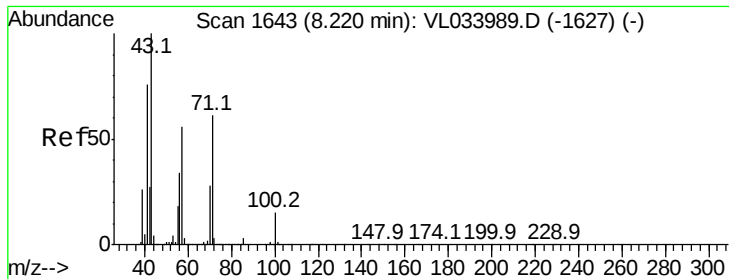


#9

Propene
 Concen: 12.523 ppbv
 RT: 3.02 min Scan# 25
 Delta R.T. -0.00 min
 Lab File: VL034028.D
 Acq: 11 Jul 2019 22:04

Tgt Ion: 41 Resp: 732993
 Ion Ratio Lower Upper
 41 100
 42 64.0 57.1 85.7





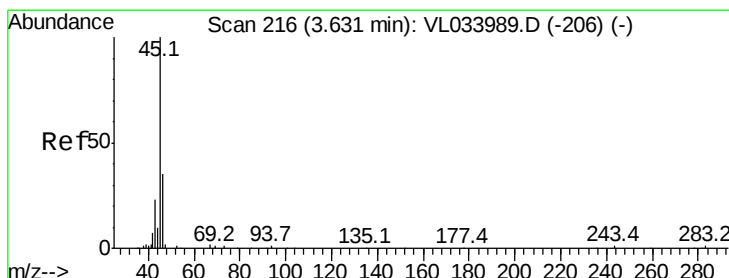
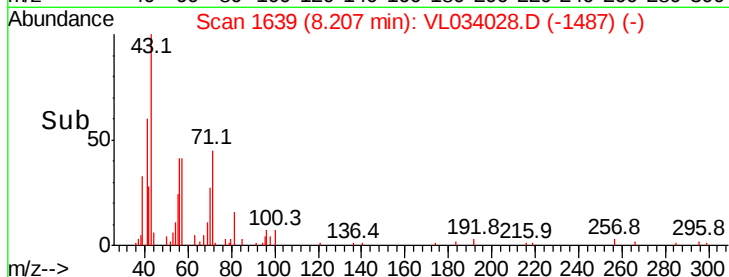
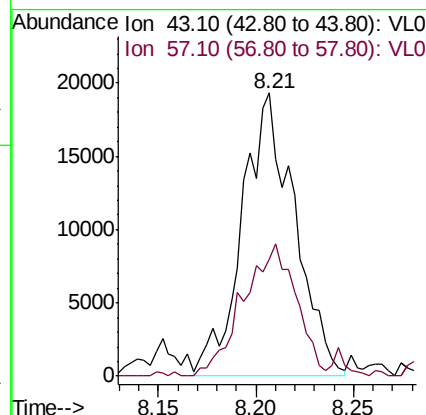
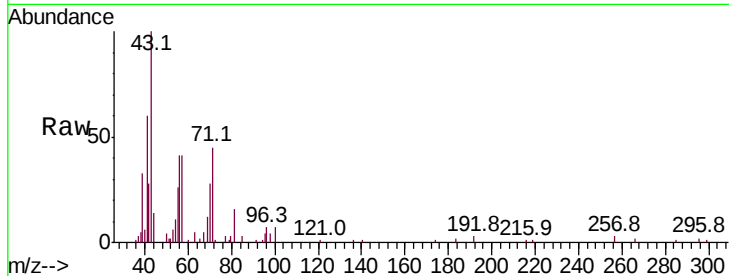
#10
Heptane
Concen: 0.246 ppbv m
RT: 8.21 min Scan# 1639
Delta R.T. -0.01 min
Lab File: VL034028.D
Acq: 11 Jul 2019 22:04

Instrument :
MSVOA_L
ClientSampleId :
NVS-1DL

Tot Ion: 43 Resp: 36020
Ion Ratio Lower Upper
43 100
57 0.0 44.6 66.8#

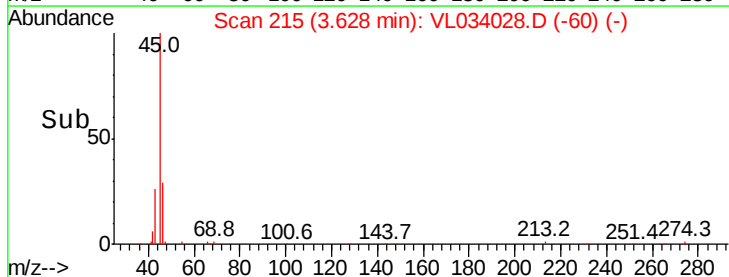
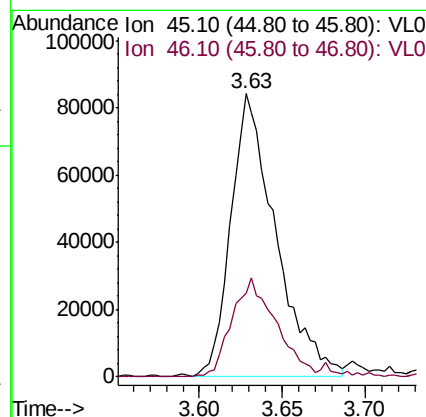
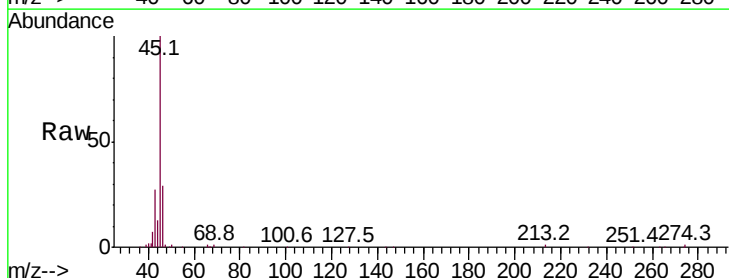
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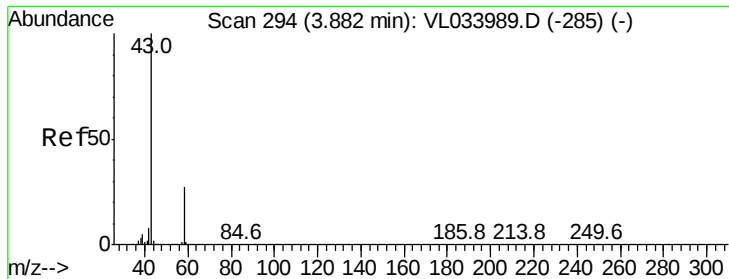
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#13
Ethanol
Concen: 8.705 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.00 min
Lab File: VL034028.D
Acq: 11 Jul 2019 22:04

Tgt Ion: 45 Resp: 158283
Ion Ratio Lower Upper
45 100
46 36.5 16.2 64.6





#15

Acetone

Concen: 5.298 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Instrument :

MSVOA_L

ClientSampleId :

NVS-1DL

Tot Ion: 43 Resp: 1147797

Ion Ratio Lower Upper

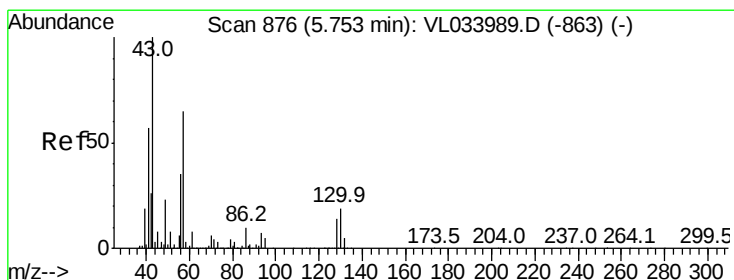
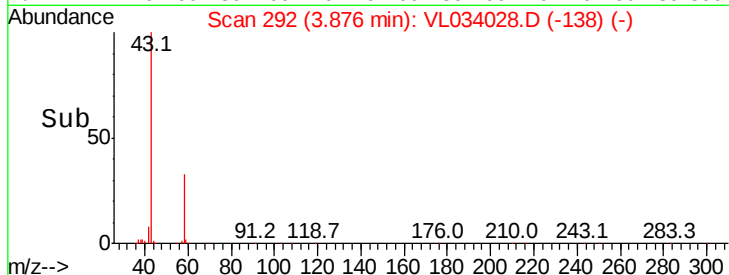
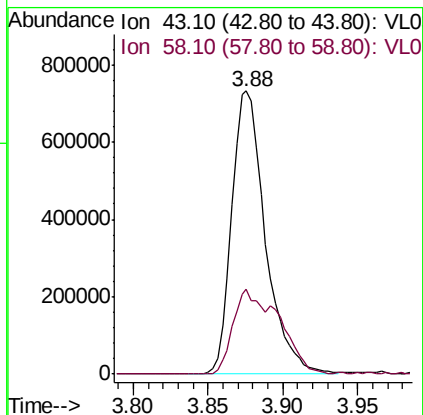
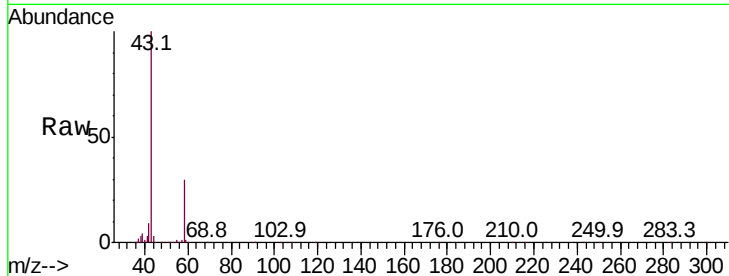
43 100

58 41.2 21.4 32.0#

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#26

Hexane

Concen: 0.625 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Tgt Ion: 57 Resp: 84798

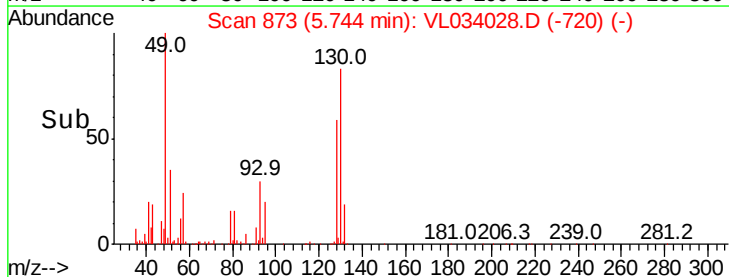
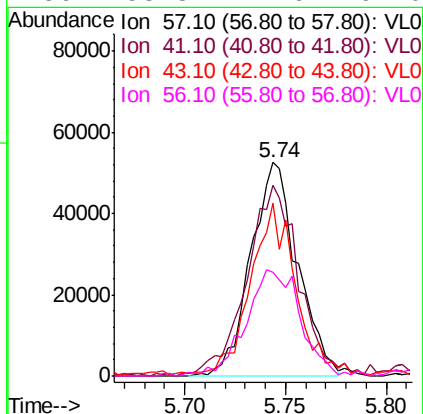
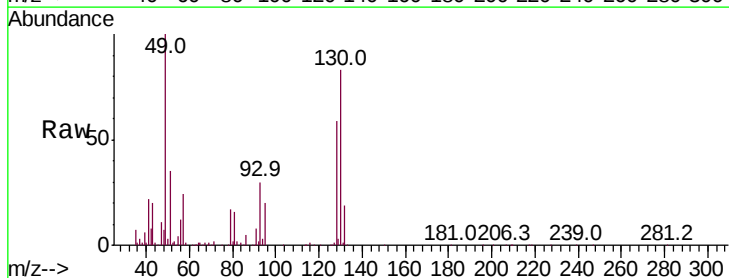
Ion Ratio Lower Upper

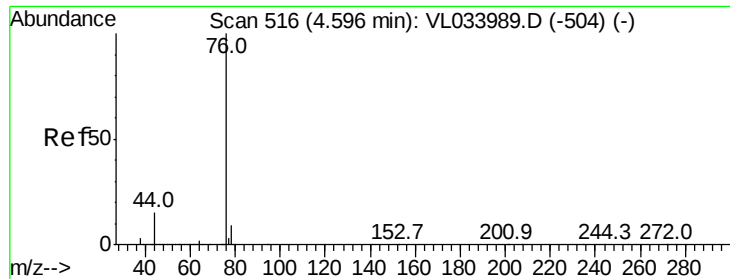
57 100

41 100.3 70.6 105.8

43 78.5 177.6 266.4#

56 58.8 42.6 64.0





#27

Carbon Disulfide

Concen: 0.422 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Instrument :

MSVOA_L

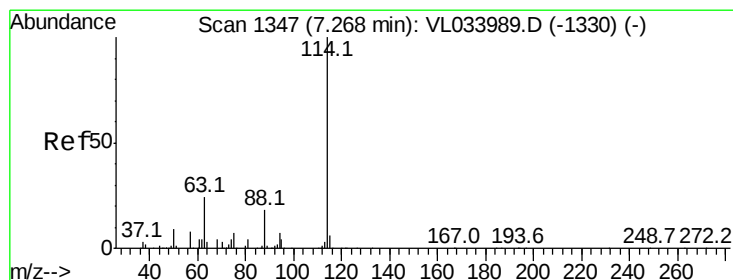
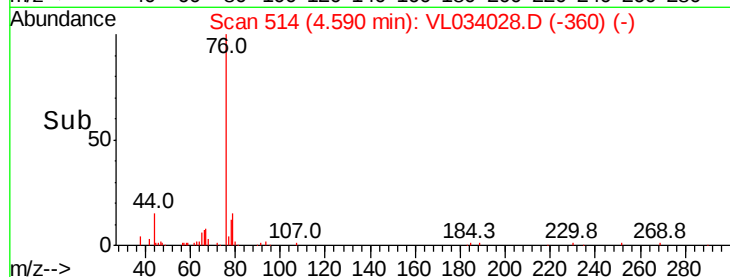
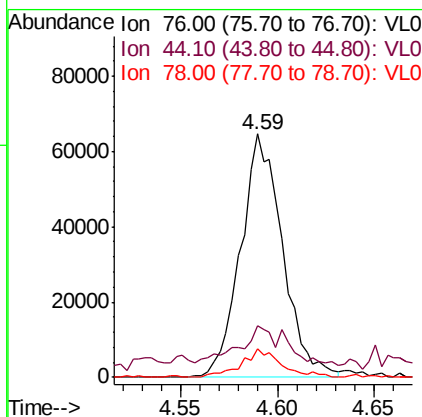
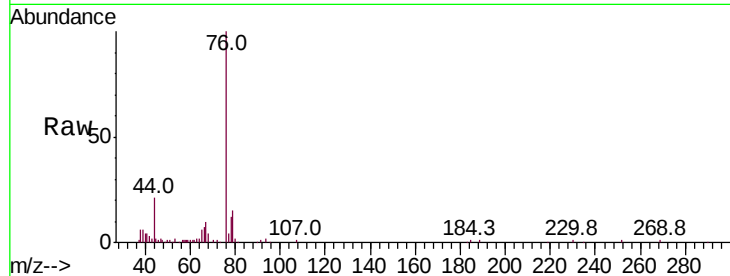
ClientSampleId :

NVS-1DL

Tot Ion:	76	Resp:	97337
Ion Ratio	Lower	Upper	
76	100		
44	31.9	12.6	18.8#
78	11.6	7.2	10.8#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

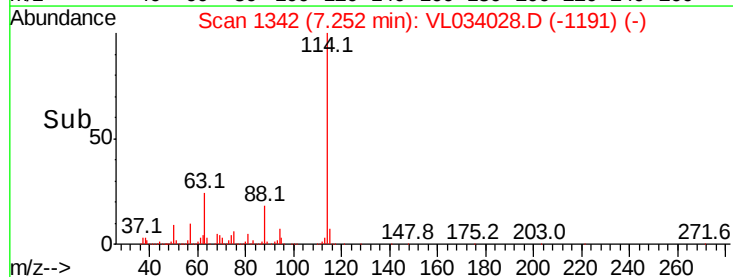
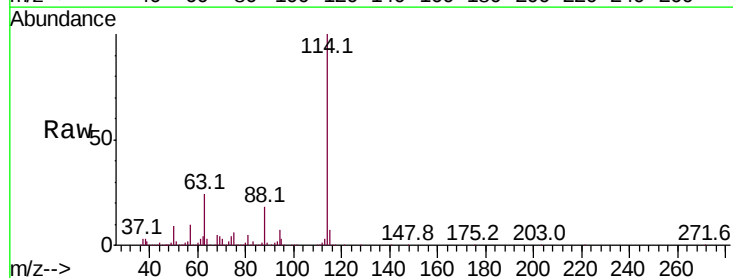
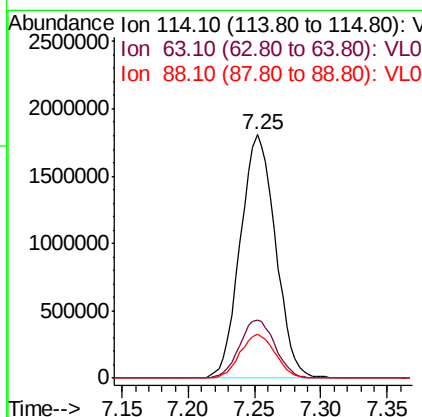
RT: 7.25 min Scan# 1342

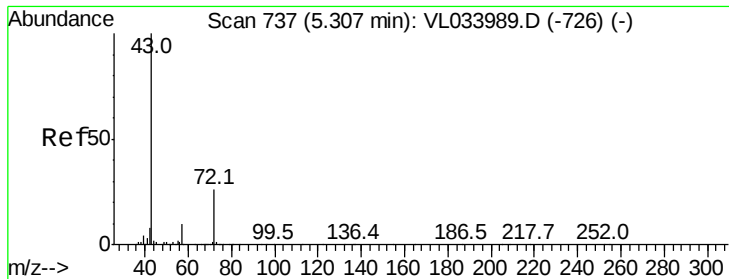
Delta R.T. -0.02 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Tgt Ion:	114	Resp:	3337863
Ion Ratio	Lower	Upper	
114	100		
63	24.3	20.2	30.2
88	18.0	14.1	21.1





#34

2-Butanone

Concen: 1.374 ppbv

RT: 5.30 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Instrument :

MSVOA_L

ClientSampleId :

NVS-1DL

Tot Ion: 43 Resp: 242656

Ion Ratio Lower Upper

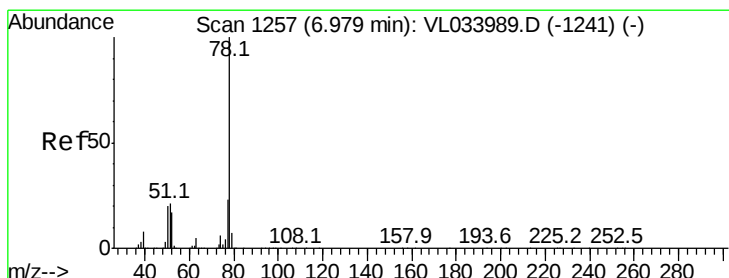
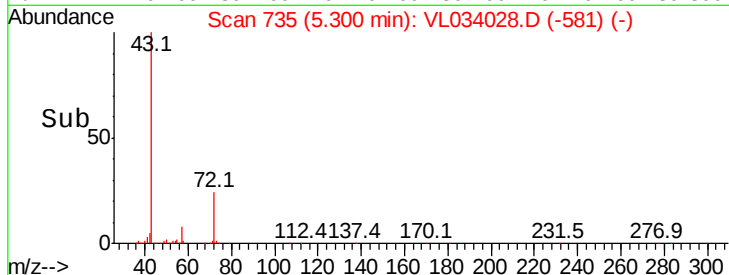
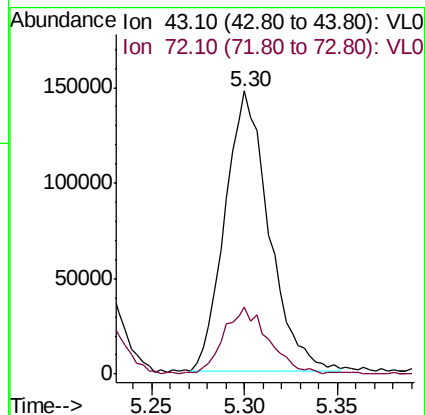
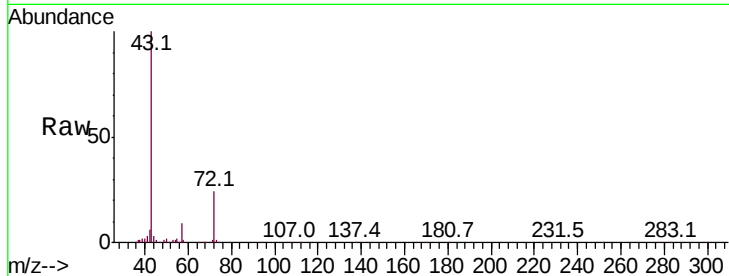
43 100

72 24.9 19.9 29.9

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#36

Benzene

Concen: 0.287 ppbv

RT: 6.97 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

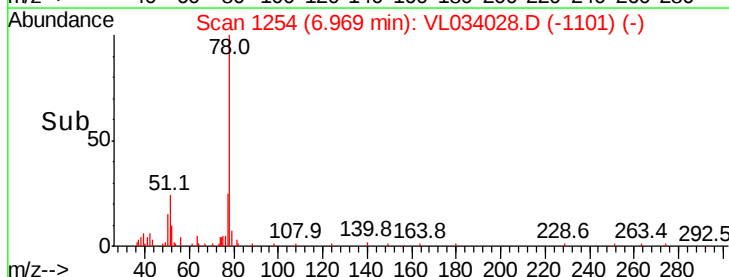
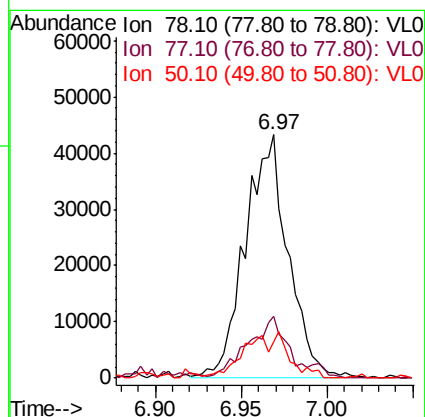
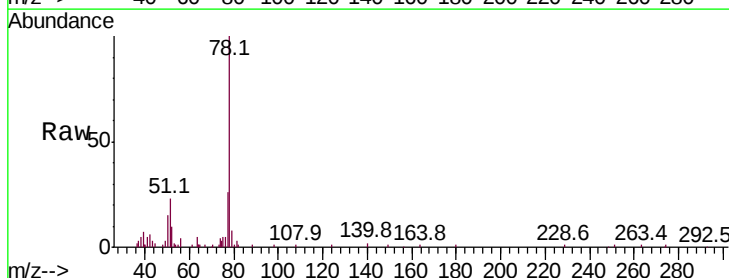
Tgt Ion: 78 Resp: 74952

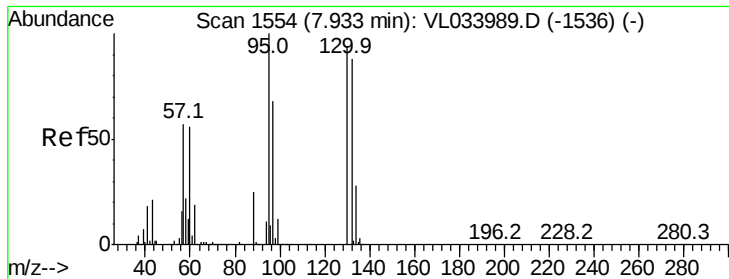
Ion Ratio Lower Upper

78 100

77 24.9 18.7 28.1

50 15.0 16.2 24.2#





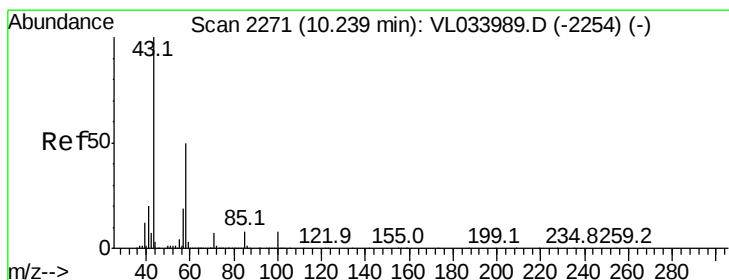
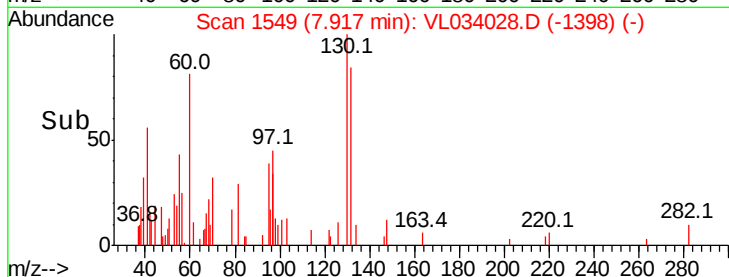
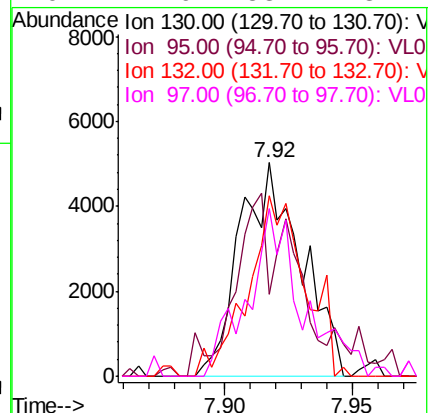
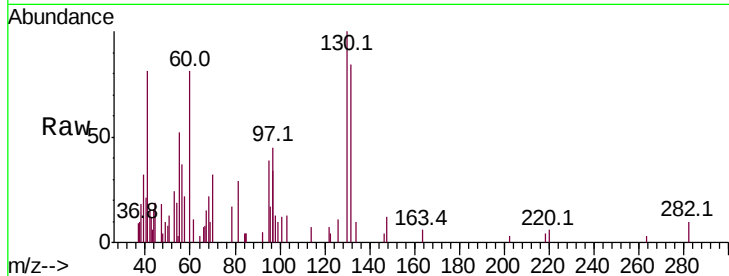
#38
 Trichloroethene
 Concen: 0.072 ppbv m
 RT: 7.92 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: VL034028.D
 Acq: 11 Jul 2019 22:04

Instrument :
 MSVOA_L
 ClientSampleId :
 NVS-1DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	38.6	85.5	128.3#
132	84.3	75.1	112.7
97	44.9	58.1	87.1#

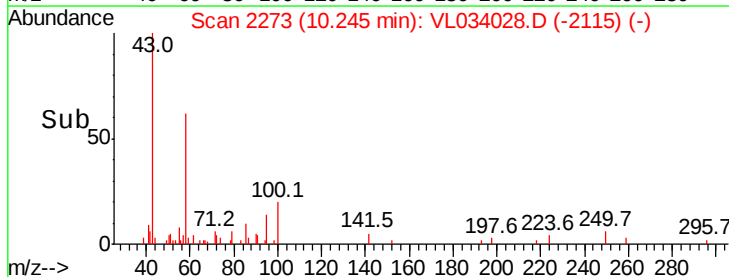
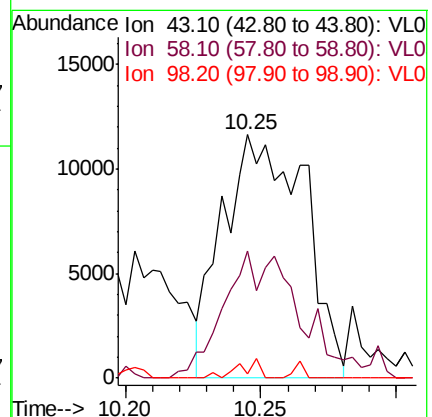
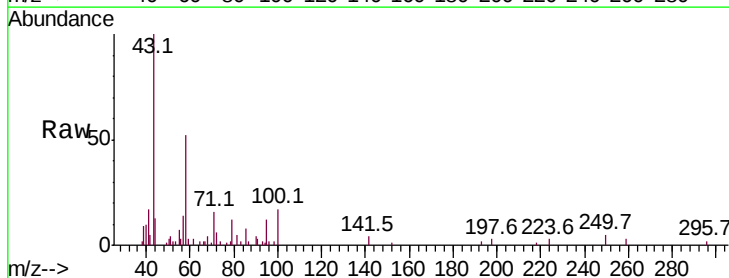
Manual Integrations
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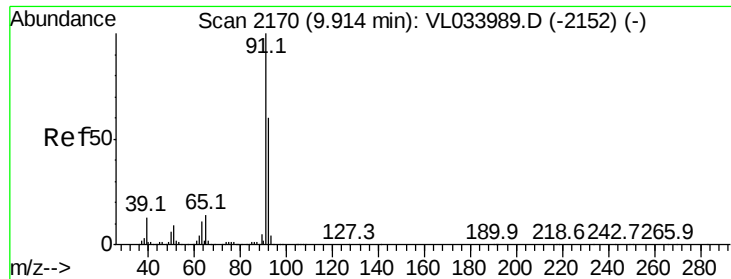
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#51
 2-Hexanone
 Concen: 0.116 ppbv m
 RT: 10.25 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: VL034028.D
 Acq: 11 Jul 2019 22:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.0	61.4#
98	0.0	0.2	0.2#





#53

Toluene

Concen: 1.260 ppbv

RT: 9.90 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Instrument :

MSVOA_L

ClientSampleId :

NVS-1DL

Tot Ion: 91 Resp: 376734

Ion Ratio Lower Upper

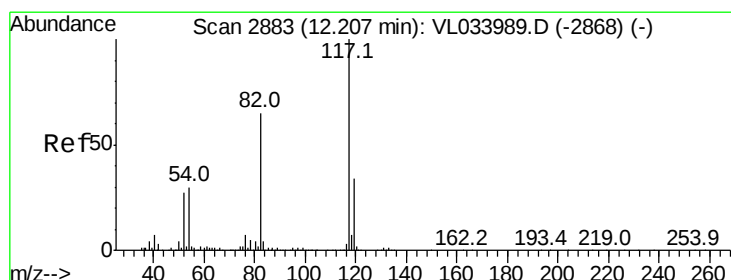
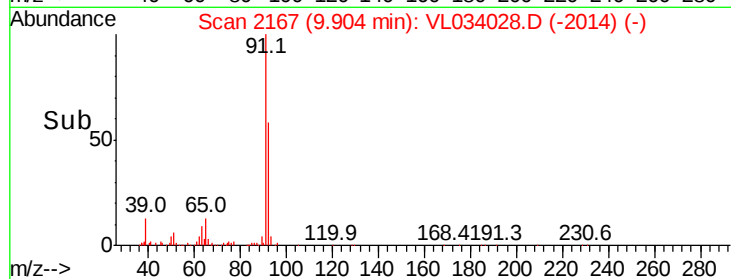
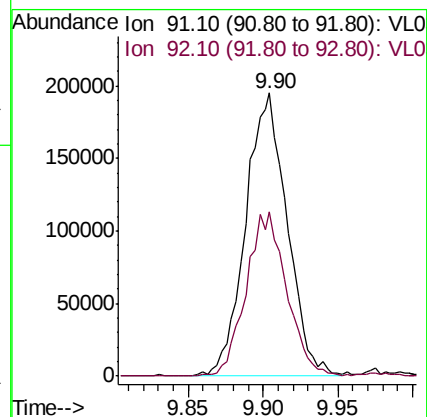
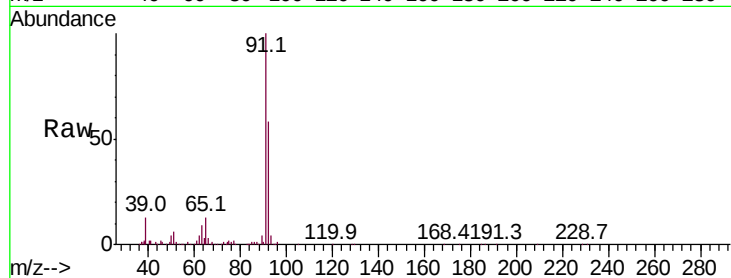
91 100

92 56.4 47.7 71.5

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2879

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

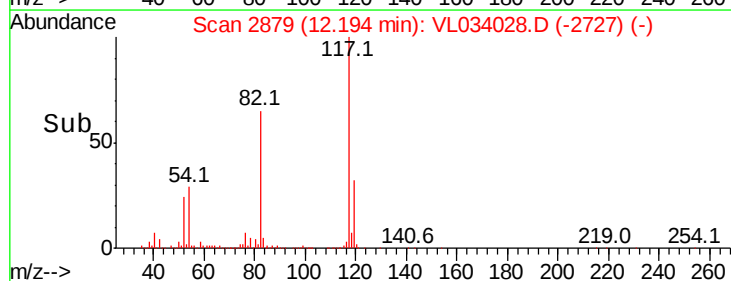
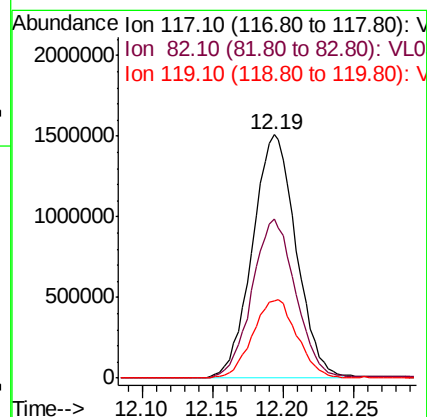
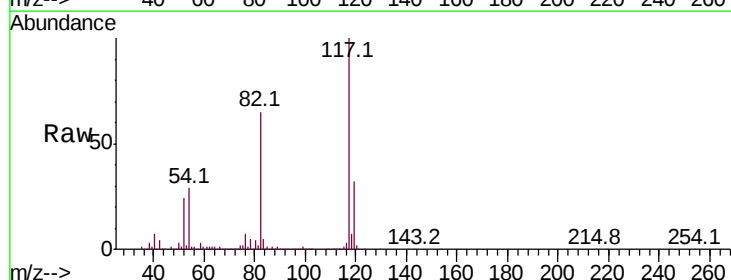
Tgt Ion: 117 Resp: 3261558

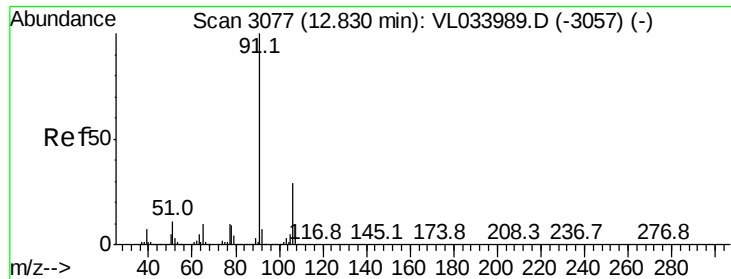
Ion Ratio Lower Upper

117 100

82 65.4 50.8 76.2

119 33.1 24.0 36.0





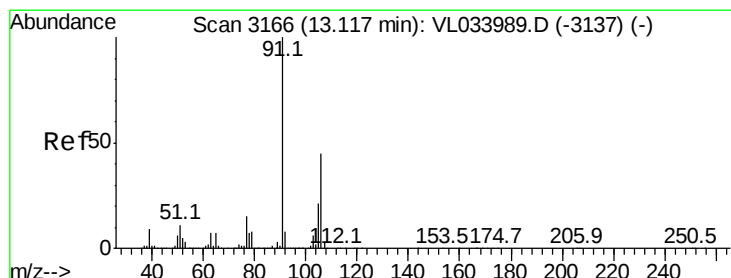
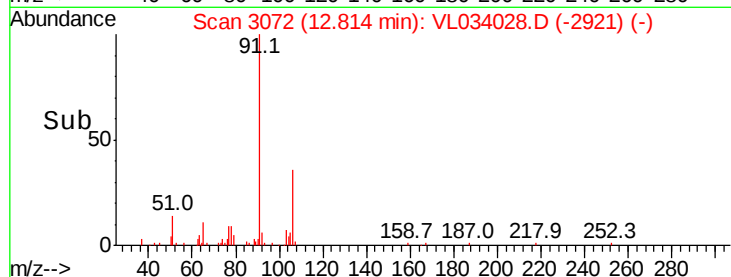
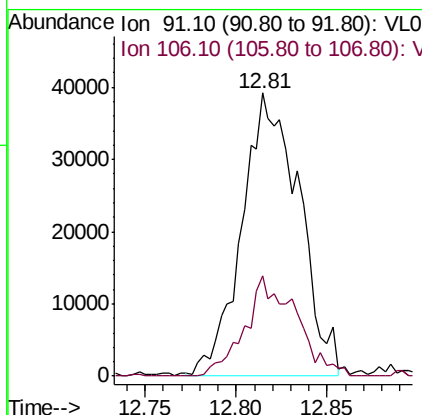
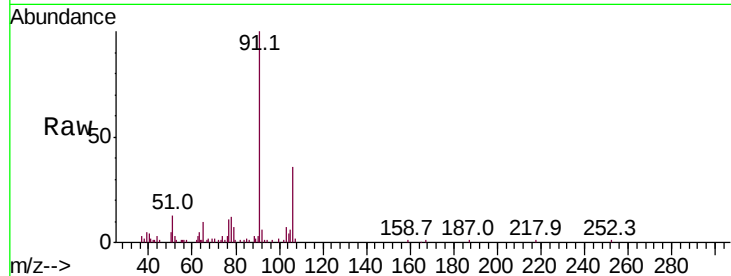
#58
Ethyl Benzene
Concen: 0.218 ppbv m
RT: 12.81 min Scan# 3072
Delta R.T. -0.02 min
Lab File: VL034028.D
Acq: 11 Jul 2019 22:04

Instrument :
MSVOA_L
ClientSampleId :
NVS-1DL

Tot Ion: 91 Resp: 85632
Ion Ratio Lower Upper
91 100
106 35.6 23.3 34.9#

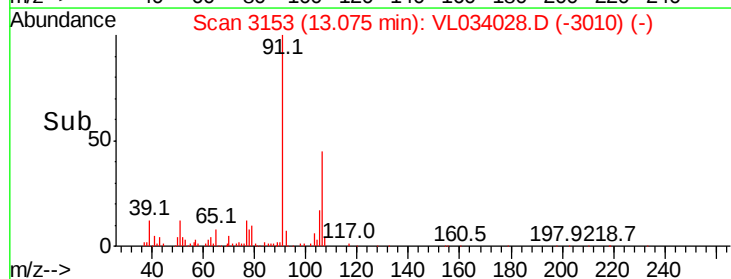
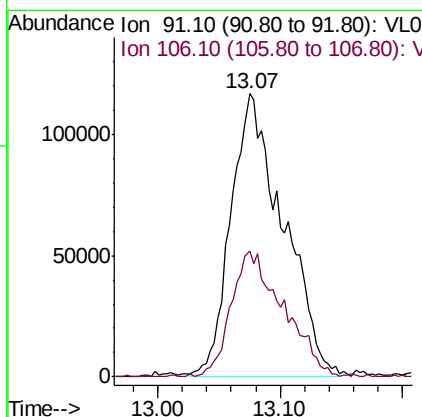
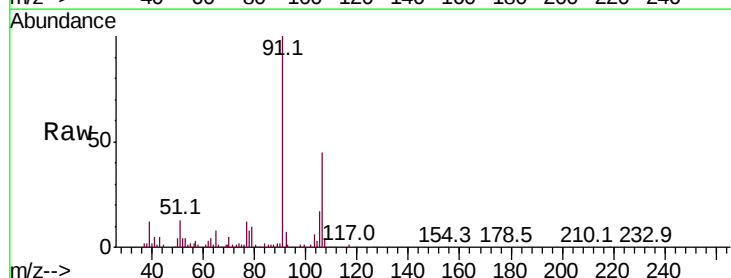
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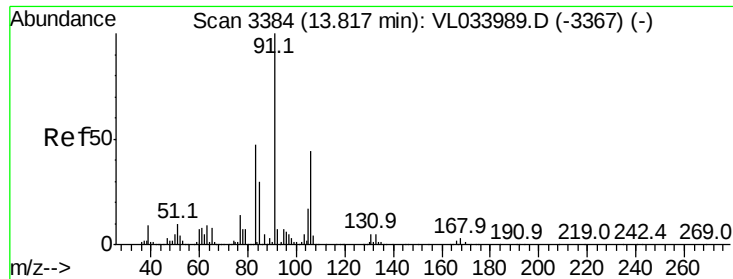
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#59
m/p-Xylene
Concen: 0.973 ppbv m
RT: 13.07 min Scan# 3153
Delta R.T. -0.04 min
Lab File: VL034028.D
Acq: 11 Jul 2019 22:04

Tgt Ion: 91 Resp: 345560
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.334 ppbv

RT: 13.80 min Scan# 3380

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Instrument :

MSVOA_L

ClientSampleId :

NVS-1DL

Tot Ion: 91 Resp: 118504

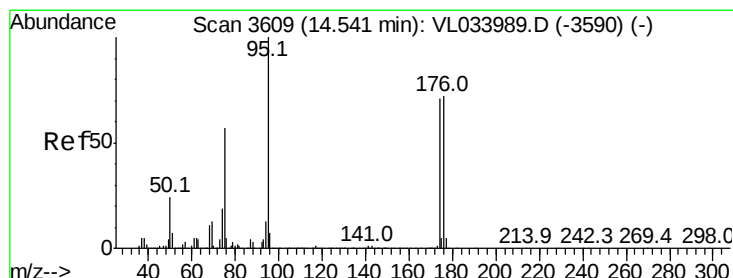
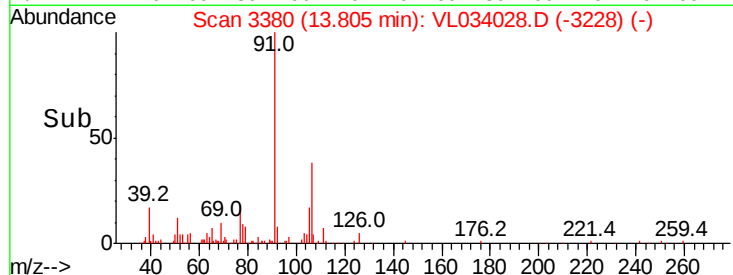
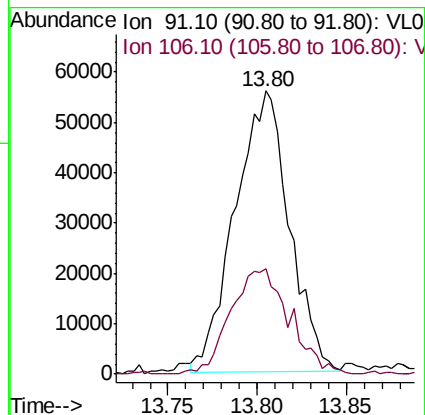
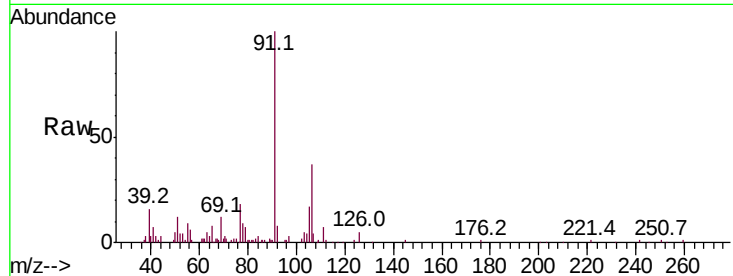
Ion Ratio Lower Upper

91 100

106 40.9 21.9 65.7

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.412 ppbv

RT: 14.53 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

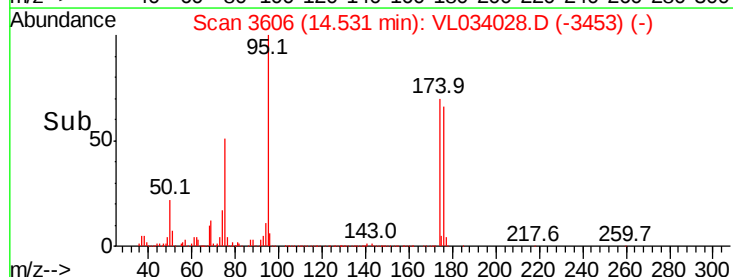
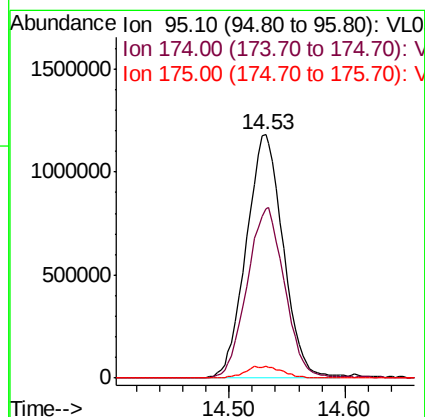
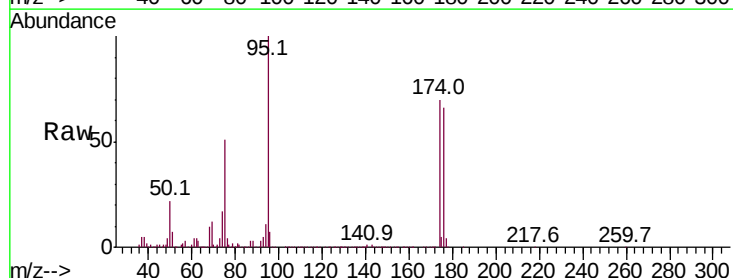
Tgt Ion: 95 Resp: 2618241

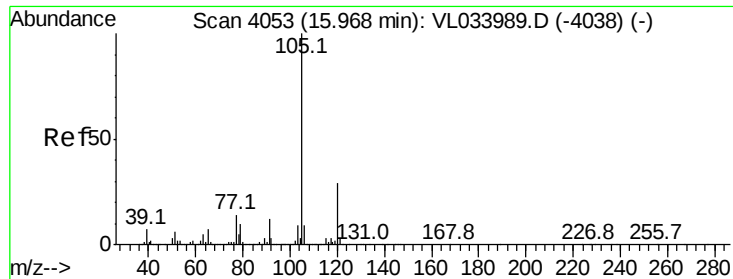
Ion Ratio Lower Upper

95 100

174 71.5 60.5 90.7

175 5.0 4.0 6.0





#72

4-Ethyltoluene

Concen: 0.110 ppbv m

RT: 15.96 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Instrument :

MSVOA_L

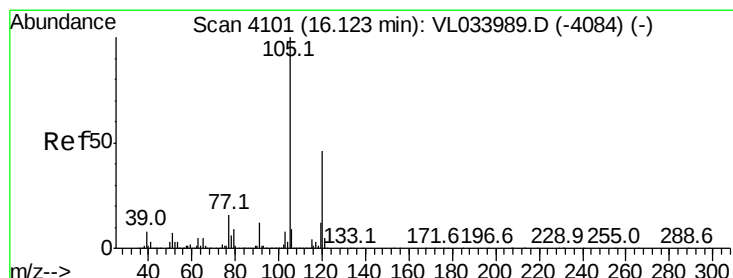
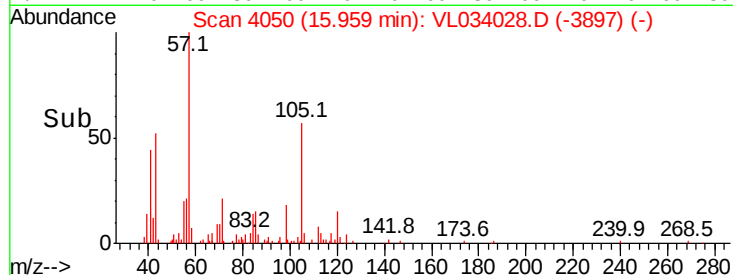
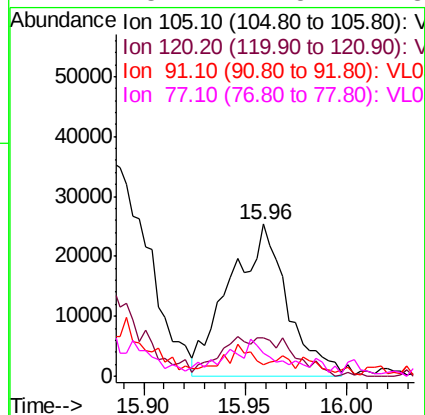
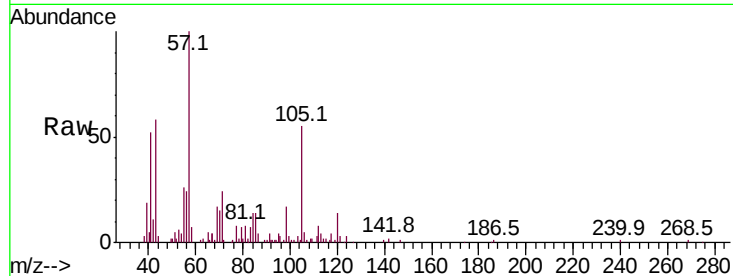
ClientSampleId :

NVS-1DL

Tot Ion:	105	Resp:	50193
Ion Ratio	Lower	Upper	
105	100		
120	0.0	24.1	36.1#
91	0.0	10.6	16.0#
77	23.2	11.5	17.3#

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#73

1,3,5-Trimethylbenzene

Concen: 0.101 ppbv m

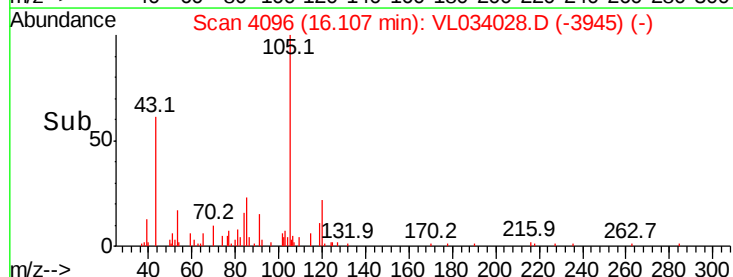
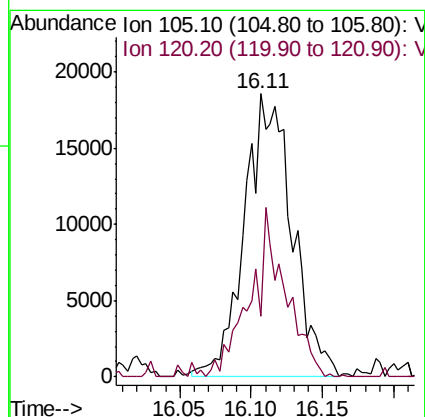
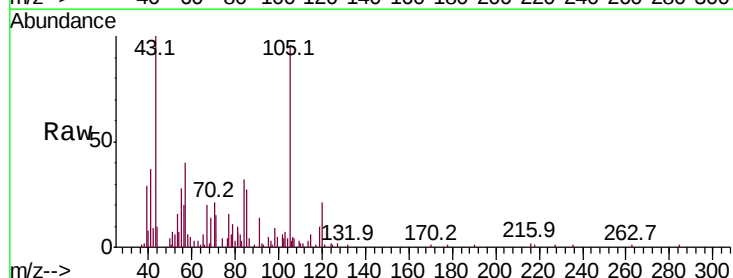
RT: 16.11 min Scan# 4096

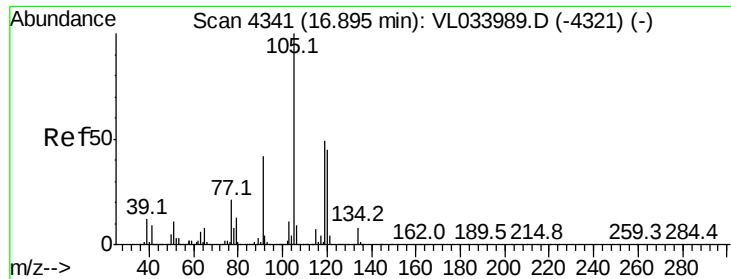
Delta R.T. -0.02 min

Lab File: VL034028.D

Acq: 11 Jul 2019 22:04

Tgt Ion:	105	Resp:	42827
Ion Ratio	Lower	Upper	
105	100		
120	21.5	36.4	54.6#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.303 ppbv m
 RT: 16.88 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: VL034028.D
 Acq: 11 Jul 2019 22:04

Instrument :
 MSVOA_L
 ClientSampleId :
 NVS-1DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	37.8	36.2	54.2
91	9.7	34.3	51.5#
77	15.7	17.1	25.7#

Manual Integrations
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