

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033826.D
 Acq On : 29 May 2019 6:22
 Operator : SY/AP
 Sample : K2960-08 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55

Manual Integrations
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Quant Time: May 29 07:08:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	729970	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1896896	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1689913	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1495983	10.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	236380	6.646	ppbv	88
11) Trichlorofluoromethane	4.00	101	71764	0.489	ppbv	99
13) Ethanol	3.66	45	37068	3.225	ppbv	98
15) Acetone	3.89	43	1617592	15.972	ppbv	99
17) tert-Butyl alcohol	4.37	59	14344m	0.175	ppbv	
20) Methylene Chloride	4.40	84	12176m	0.312	ppbv	
26) Hexane	5.77	57	23035	0.301	ppbv #	40
27) Carbon Disulfide	4.62	76	18904	0.180	ppbv #	86
34) 2-Butanone	5.33	43	102117	0.869	ppbv	96
36) Benzene	7.00	78	20761m	0.120	ppbv	
53) Toluene	9.94	91	122065	0.656	ppbv	98
59) m/p-Xylene	13.11	91	60939m	0.312	ppbv	
60) o-Xylene	13.84	91	20863m	0.106	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	35601	0.149	ppbv #	72

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

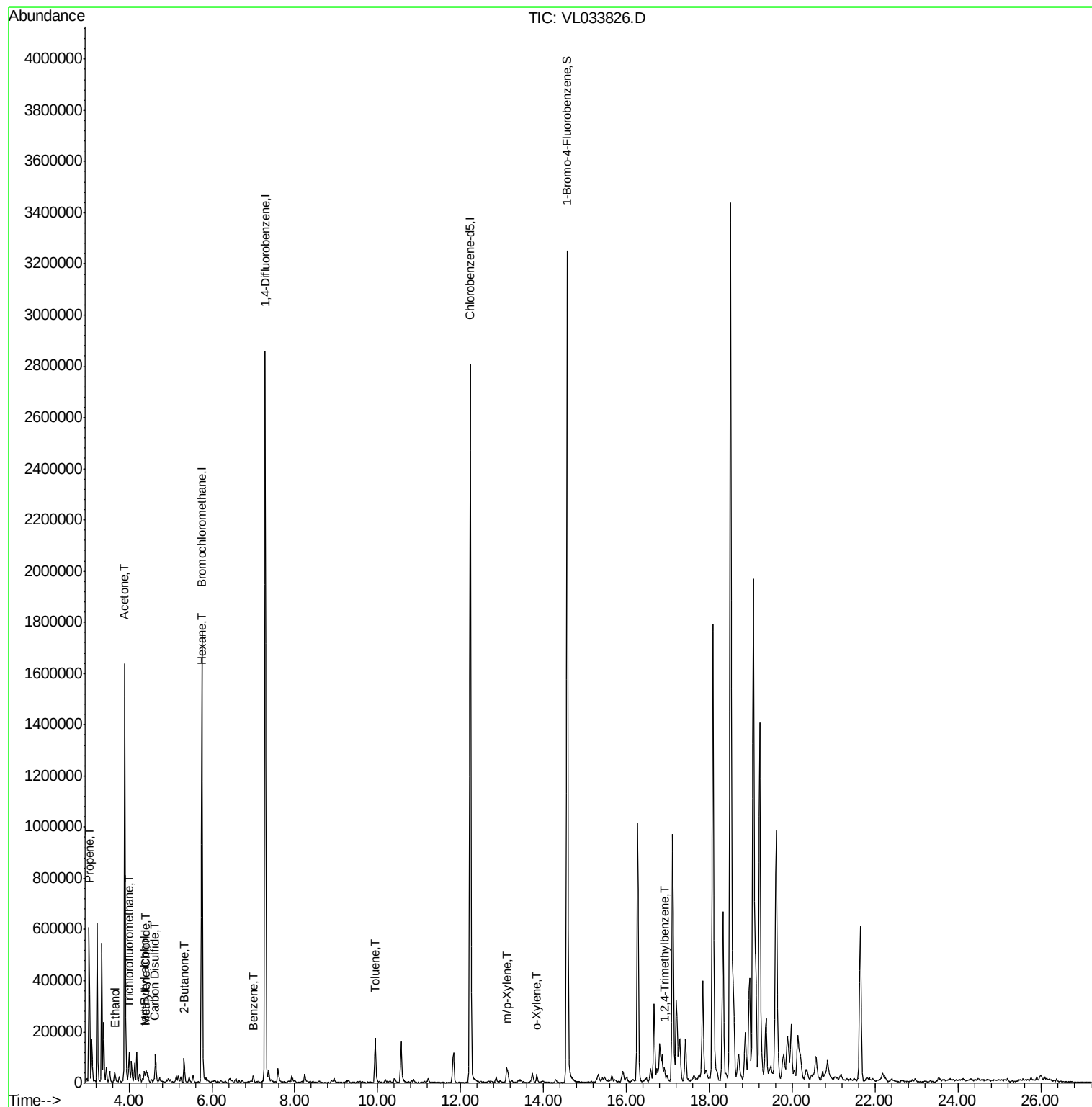
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033826.D
Acq On : 29 May 2019 6:22
Operator : SY/AP
Sample : K2960-08 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

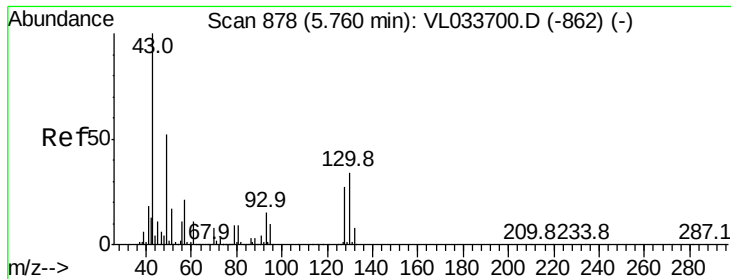
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Manual Integrations
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Quant Time: May 29 07:08:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

Instrument :

MSVOA_L

ClientSampleId :

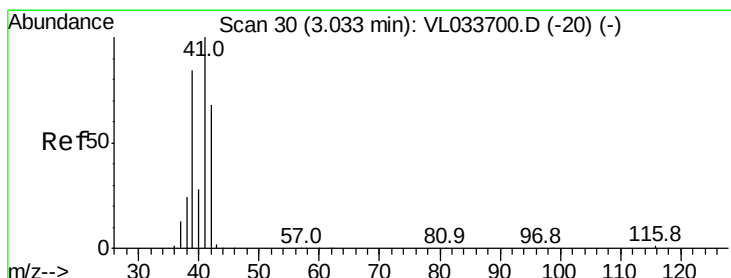
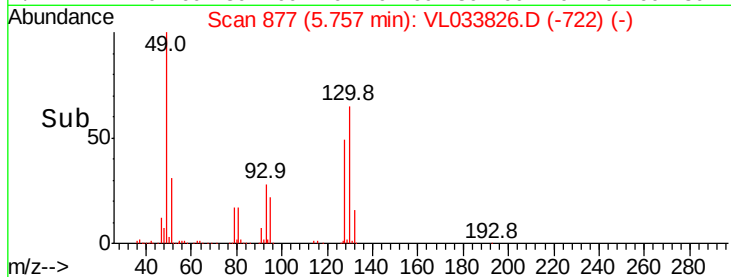
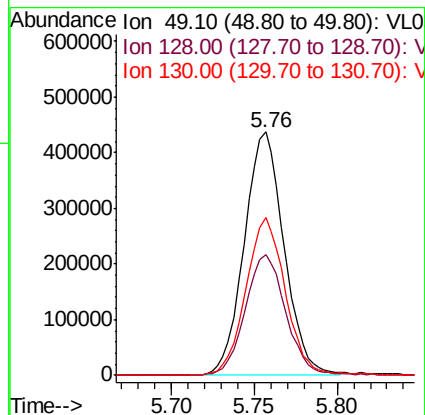
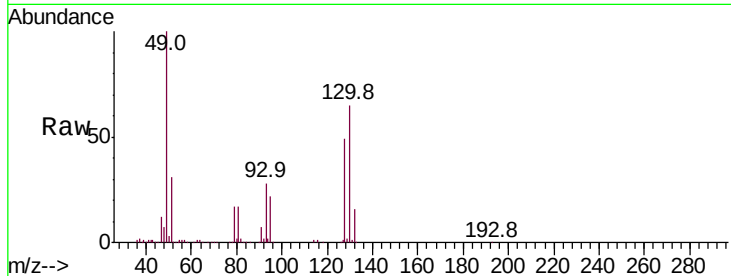
BPS1-SG-3010-55

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.7	25.2	75.6
130	64.7	32.5	97.5

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#9

Propene

Concen: 6.646 ppbv

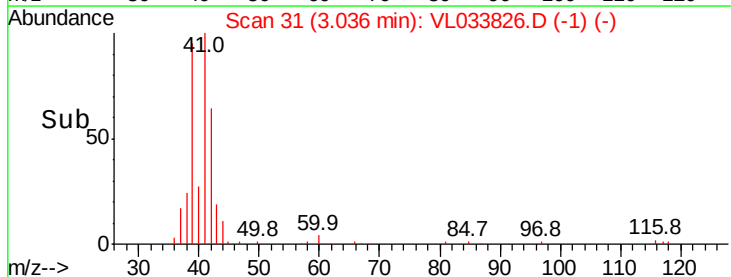
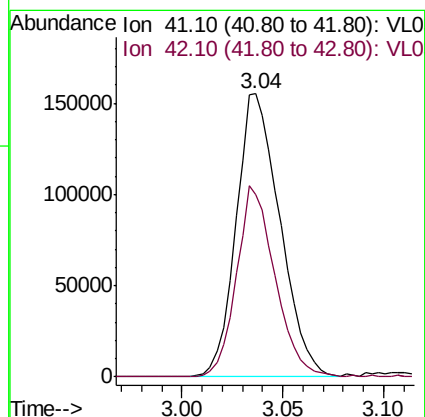
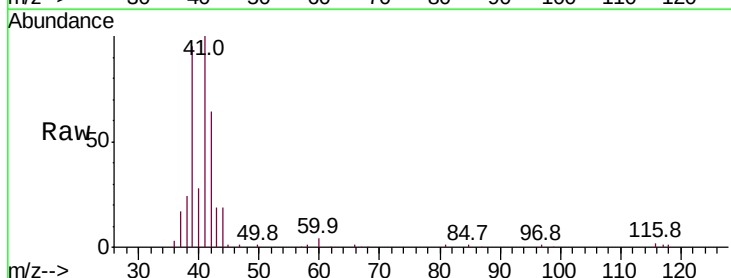
RT: 3.04 min Scan# 31

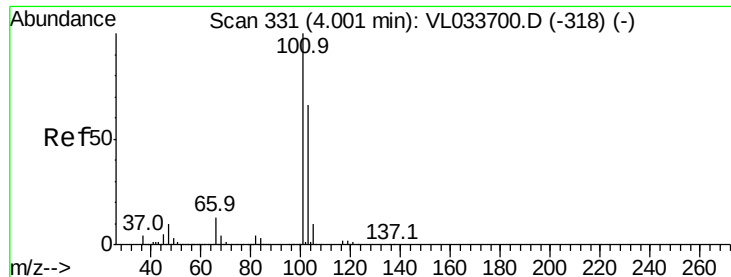
Delta R.T. 0.00 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

Tgt Ion	Ratio	Lower	Upper
41	100		
42	59.9	56.1	84.1





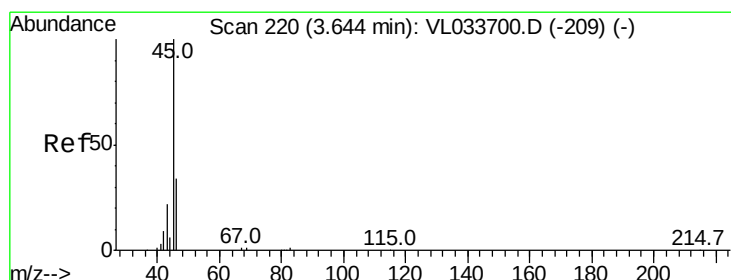
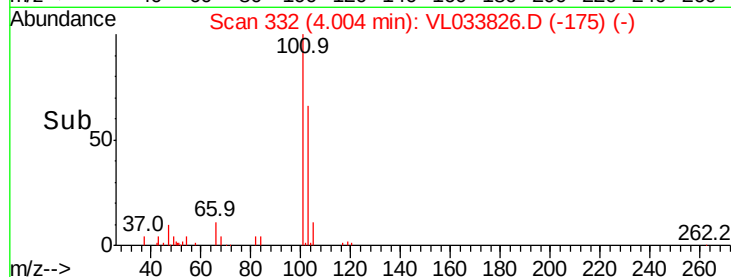
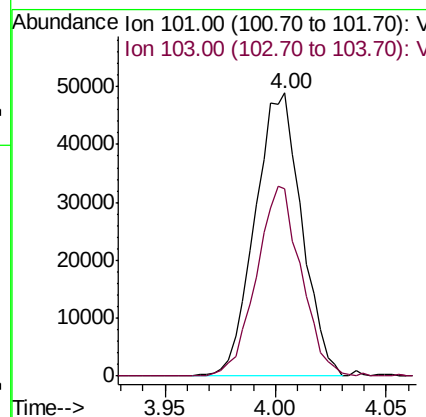
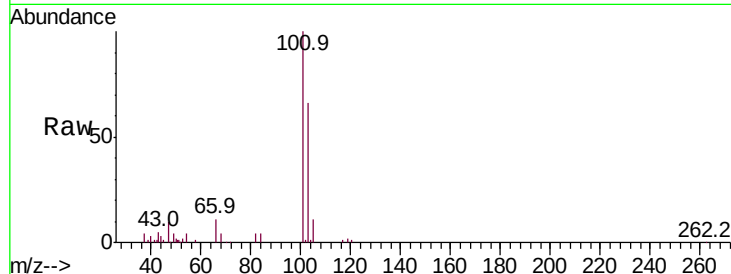
#11
 Trichlorofluoromethane
 Concen: 0.489 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033826.D
 Acq: 29 May 2019 6:22

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	78.8

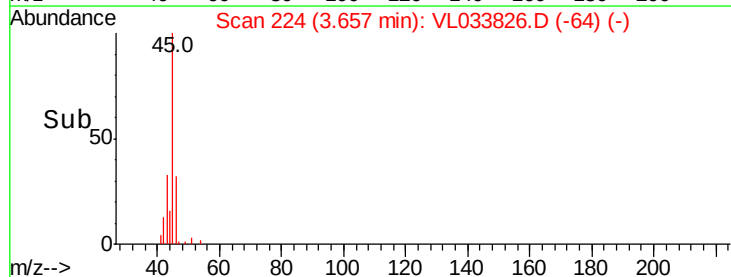
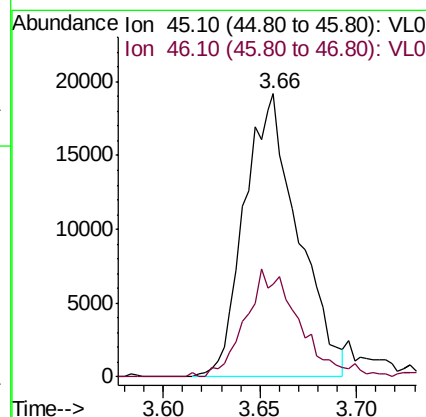
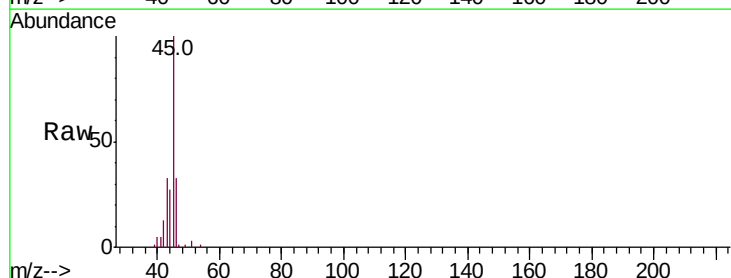
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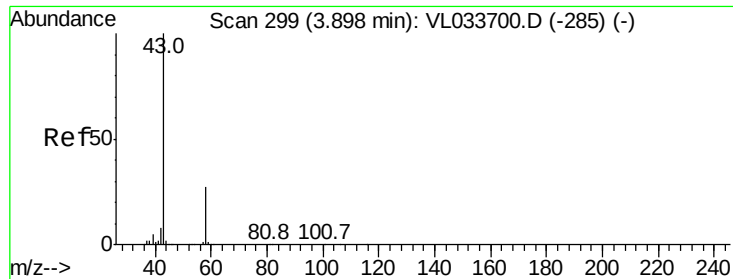
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#13
 Ethanol
 Concen: 3.225 ppbv
 RT: 3.66 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VL033826.D
 Acq: 29 May 2019 6:22

Tgt Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.8	59.0





#15

Acetone

Concen: 15.972 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tot Ion: 43 Resp: 1617592

Ion Ratio Lower Upper

43 100

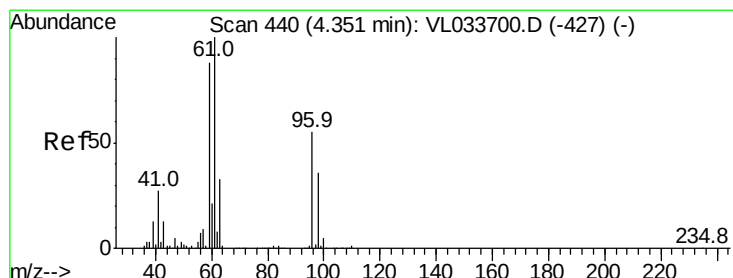
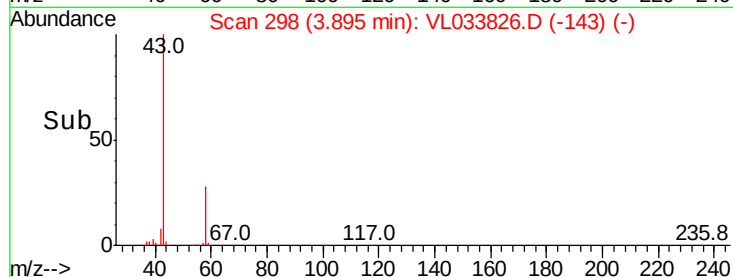
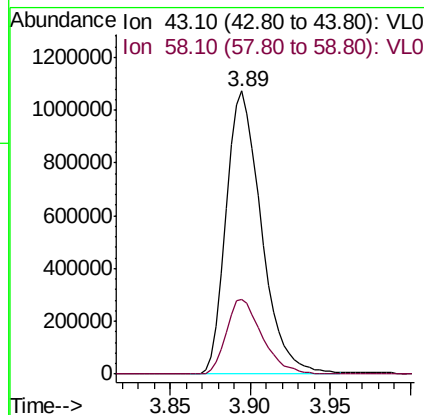
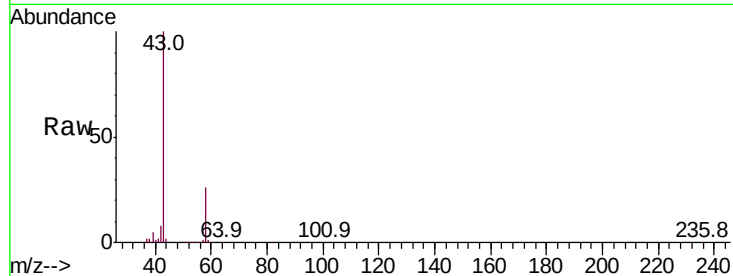
58 27.0 21.3 31.9

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#17

tert-Butyl alcohol

Concen: 0.175 ppbv m

RT: 4.37 min Scan# 447

Delta R.T. 0.02 min

Lab File: VL033826.D

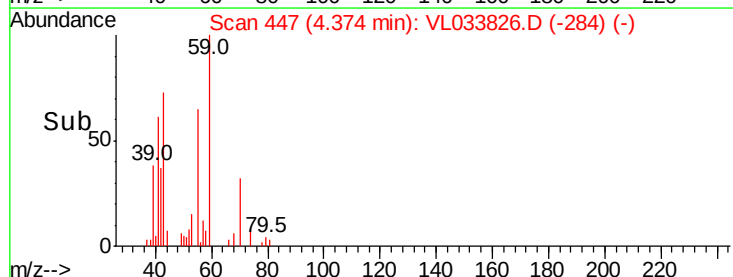
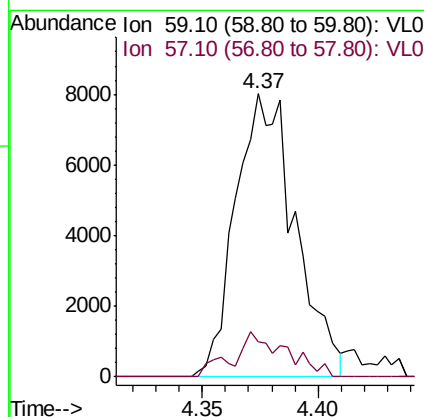
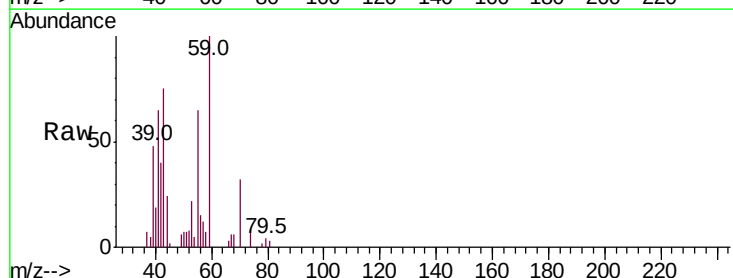
Acq: 29 May 2019 6:22

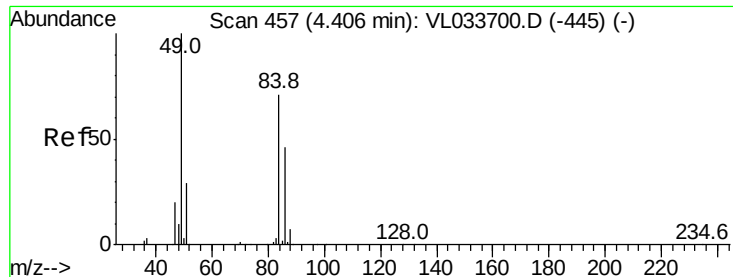
Tgt Ion: 59 Resp: 14344

Ion Ratio Lower Upper

59 100

57 14.2 8.4 12.6#





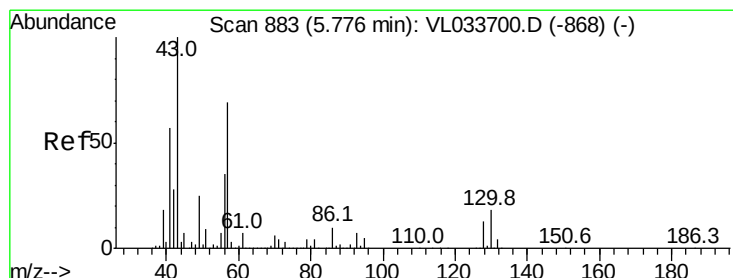
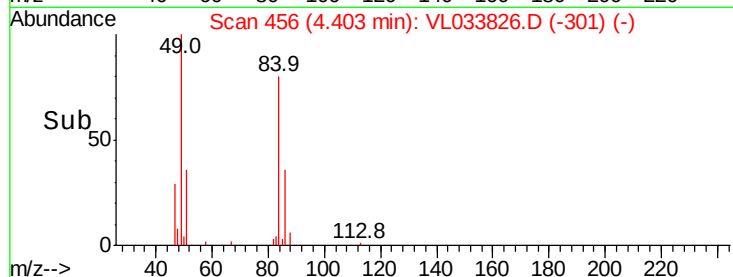
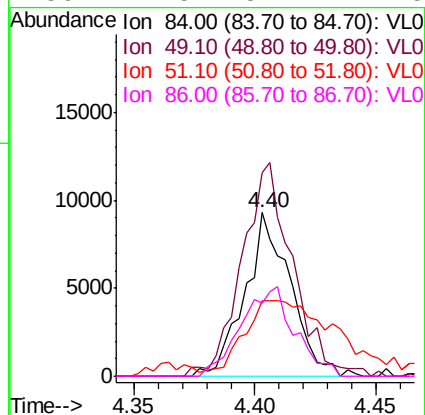
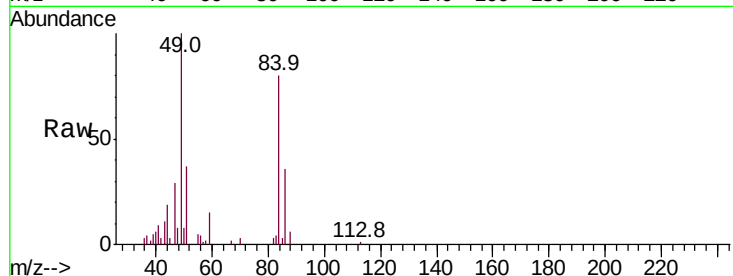
#20
Methvlene Chloride
Concen: 0.312 ppbv m
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033826.D
Acq: 29 May 2019 6:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Tot Ion	84	Resp	12176
Ion	Ratio	Lower	Upper
84	100		
49	124.5	112.8	169.2
51	46.4	33.4	50.0
86	44.5	51.7	77.5#

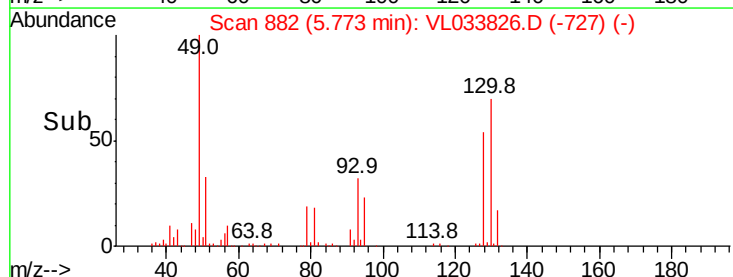
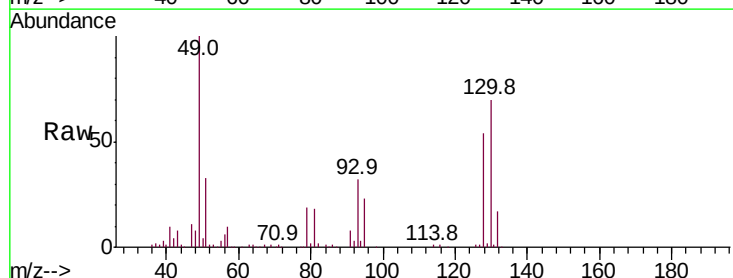
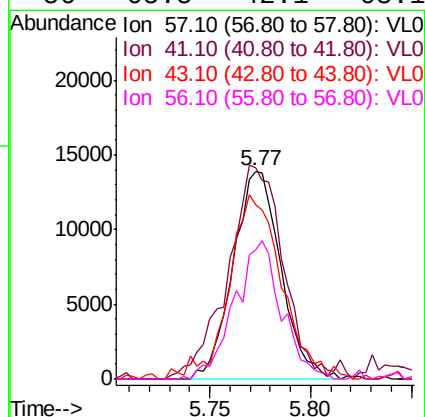
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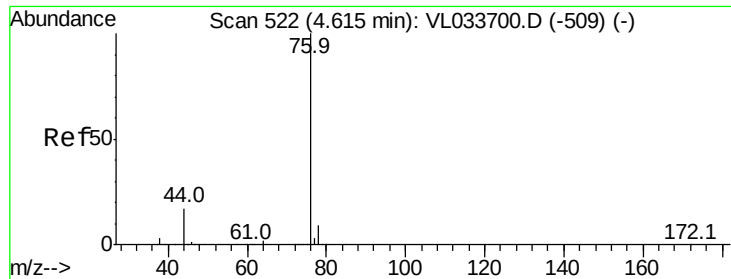
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#26
Hexane
Concen: 0.301 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033826.D
Acq: 29 May 2019 6:22

Tgt Ion	57	Resp	23035
Ion	Ratio	Lower	Upper
57	100		
41	123.0	69.8	104.6#
43	98.2	181.8	272.6#
56	65.5	42.1	63.1#





#27

Carbon Disulfide

Concen: 0.180 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

Instrument :

MSVOA_L

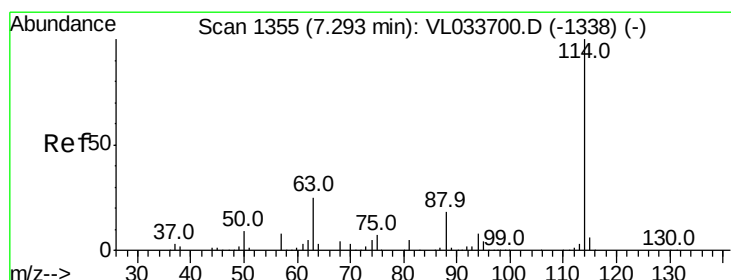
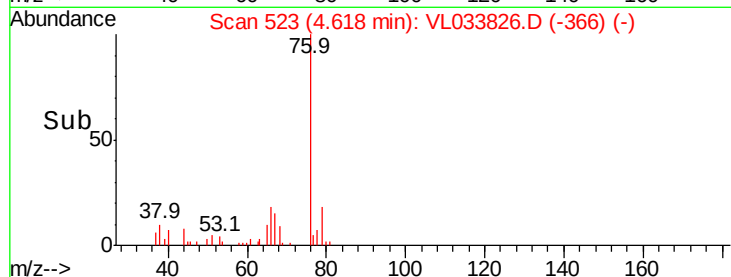
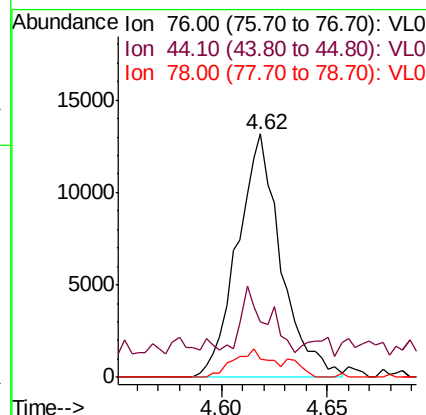
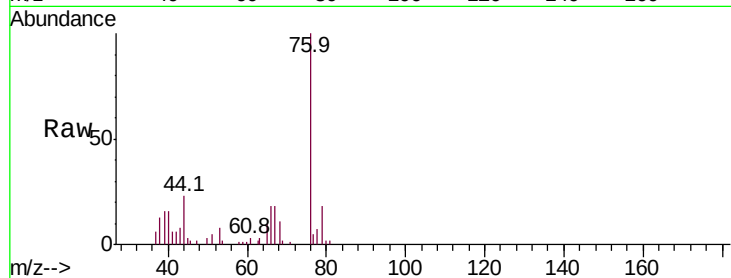
ClientSampleId :

BPS1-SG-3010-55

Tot Ion:	76	Resp:	18904
Ion	Ratio	Lower	Upper
76	100		
44	24.9	13.8	20.8#
78	12.3	7.4	11.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

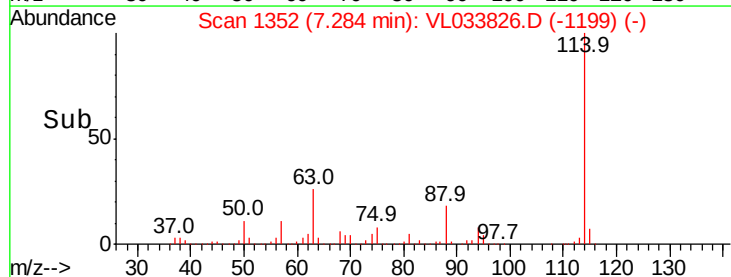
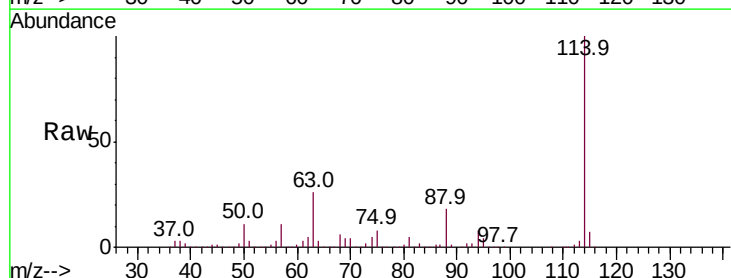
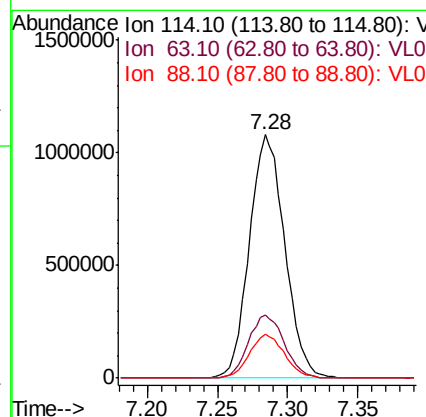
RT: 7.28 min Scan# 1352

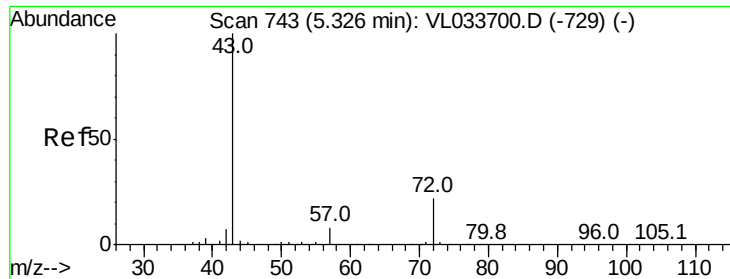
Delta R.T. -0.01 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

Tgt Ion:	114	Resp:	1896896
Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	17.8	14.3	21.5





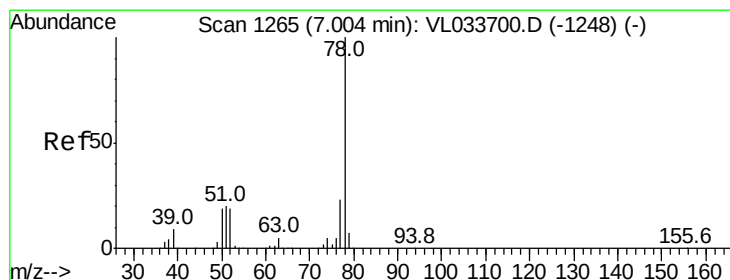
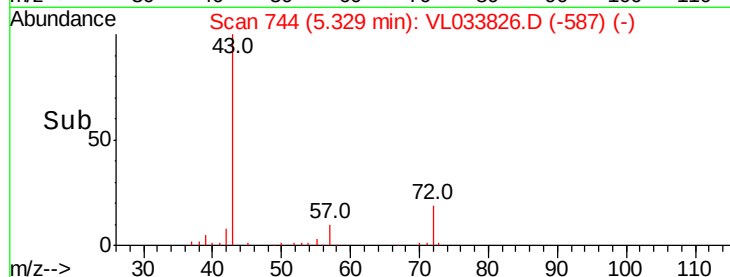
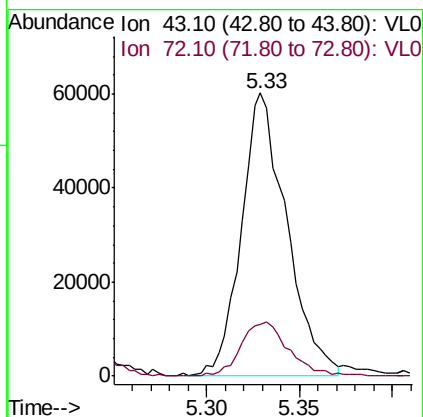
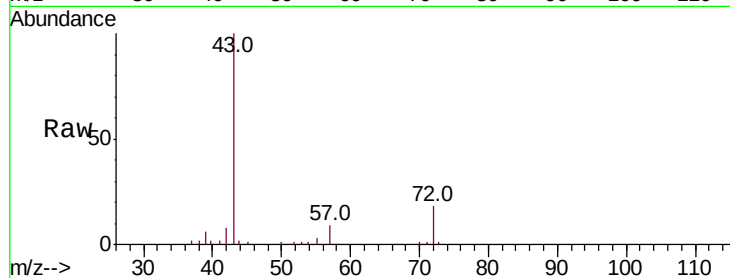
#34
2-Butanone
Concen: 0.869 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033826.D
Acq: 29 May 2019 6:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Tot Ion: 43 Resp: 102117
Ion Ratio Lower Upper
43 100
72 20.4 17.8 26.6

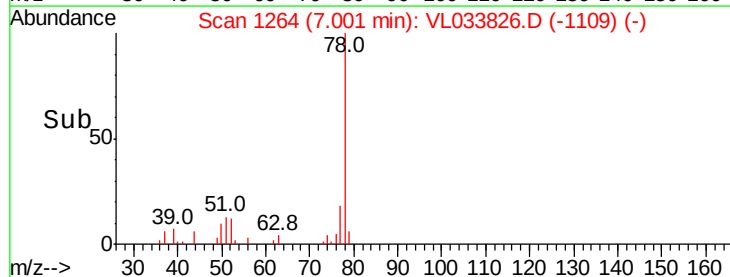
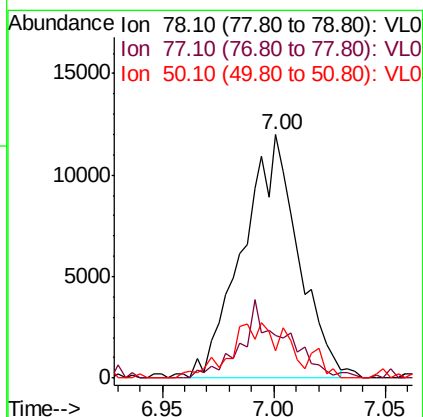
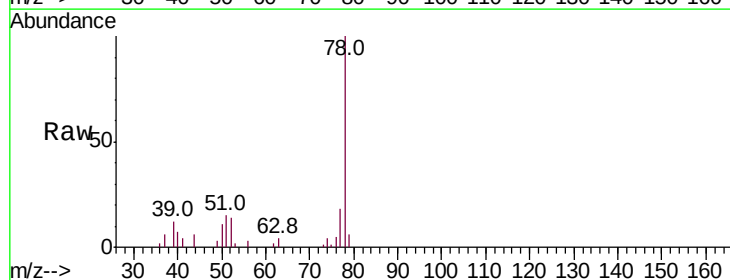
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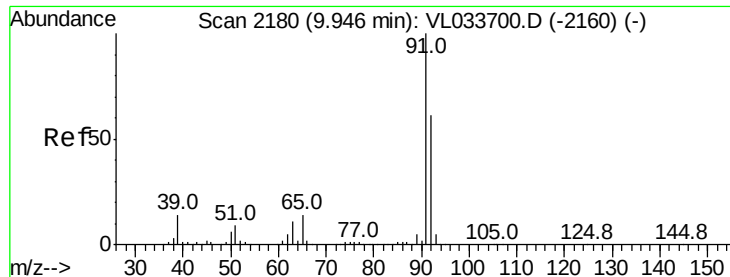
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#36
Benzene
Concen: 0.120 ppbv m
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033826.D
Acq: 29 May 2019 6:22

Tgt Ion: 78 Resp: 20761
Ion Ratio Lower Upper
78 100
77 17.5 18.4 27.6#
50 11.4 15.5 23.3#





#53

Toluene

Concen: 0.656 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tot Ion: 91 Resp: 122065

Ion Ratio Lower Upper

91 100

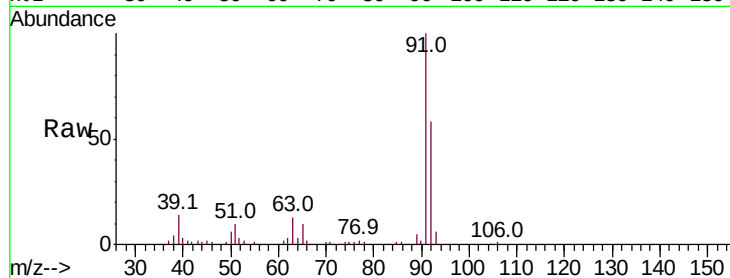
92 60.7 47.6 71.4

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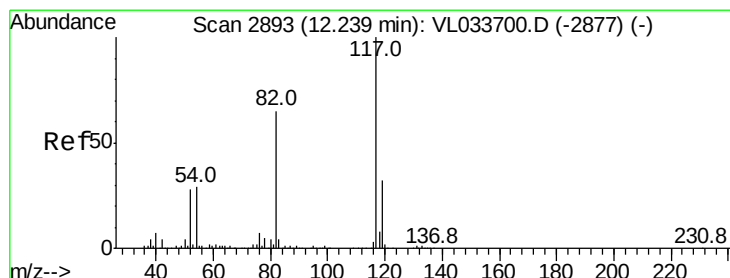
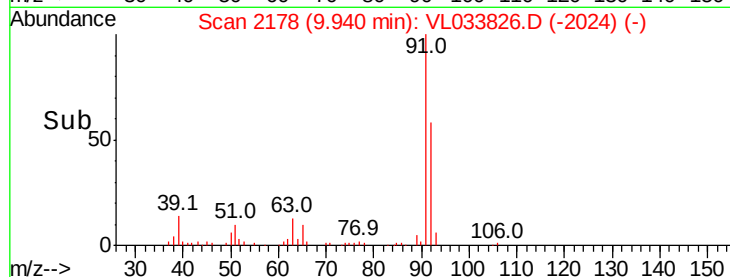
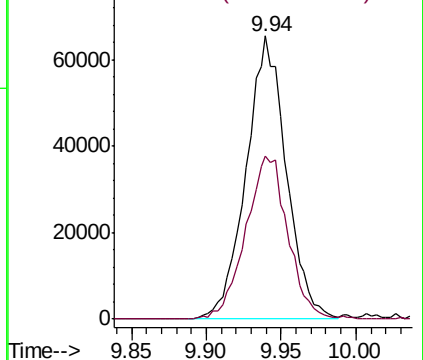
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033826.D

Acq: 29 May 2019 6:22

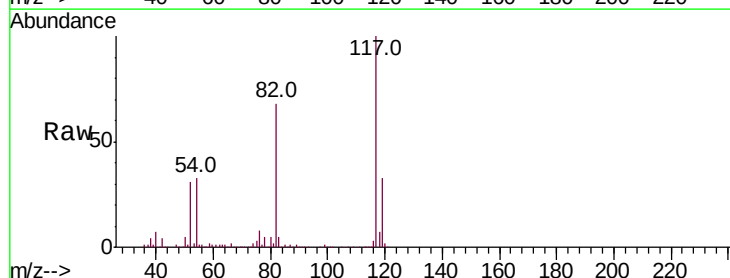
Tgt Ion: 117 Resp: 1689913

Ion Ratio Lower Upper

117 100

82 68.3 49.4 74.0

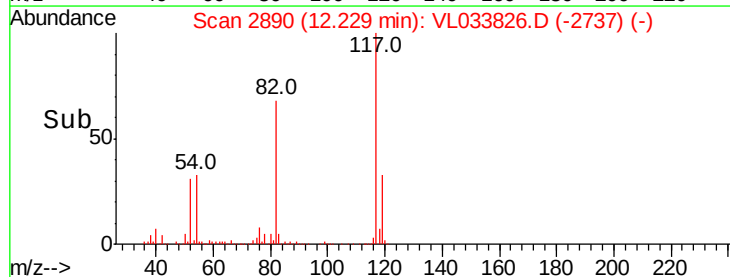
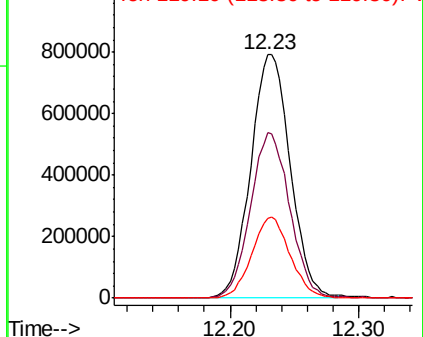
119 32.5 24.9 37.3

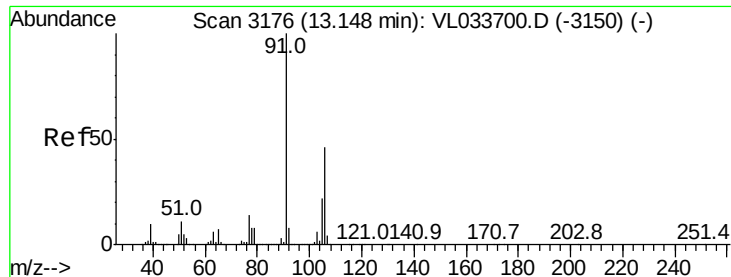


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





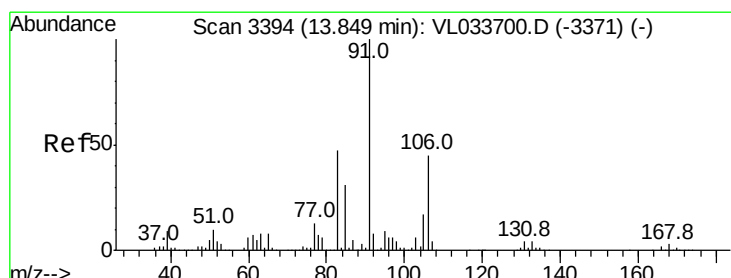
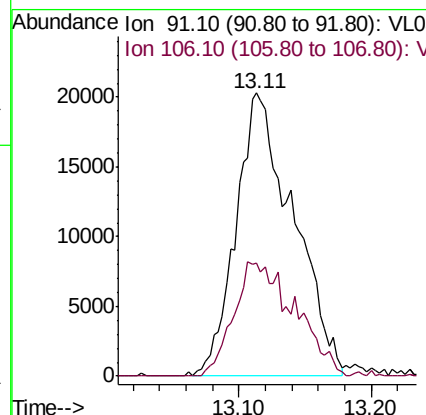
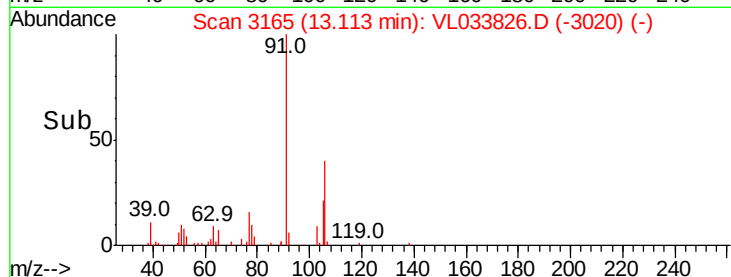
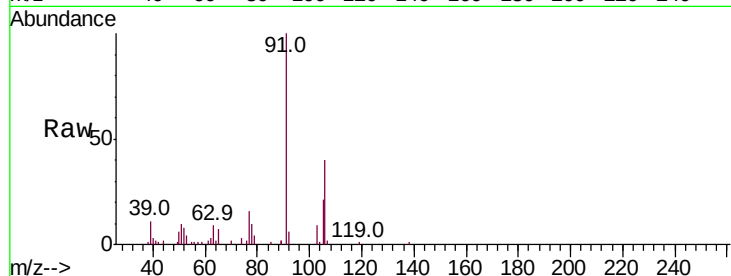
#59
m/p-Xylene
Concen: 0.312 ppbv m
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033826.D
Acq: 29 May 2019 6:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Tot Ion: 91 Resp: 60939
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#

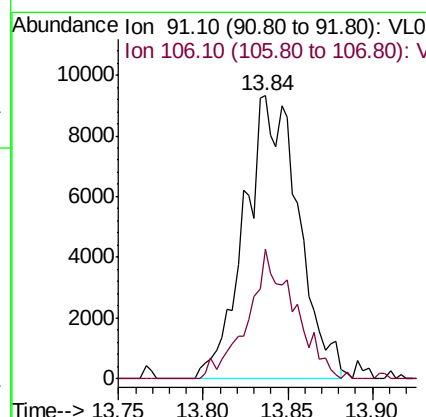
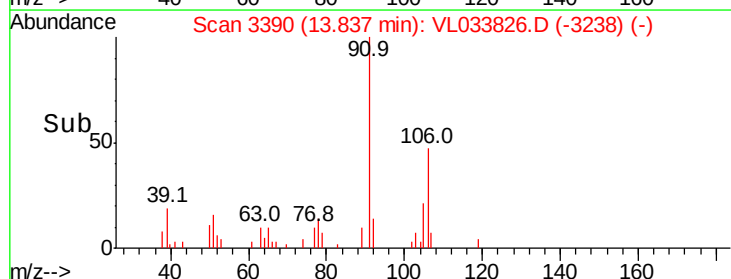
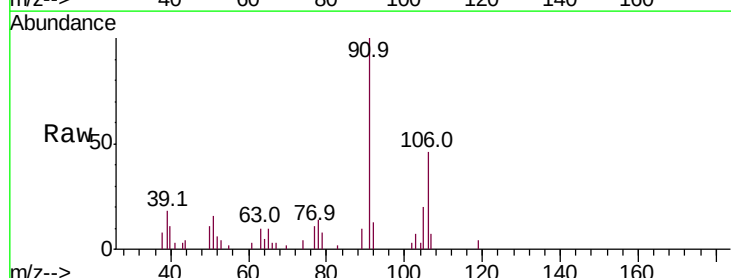
Manual Integrations
APPROVED

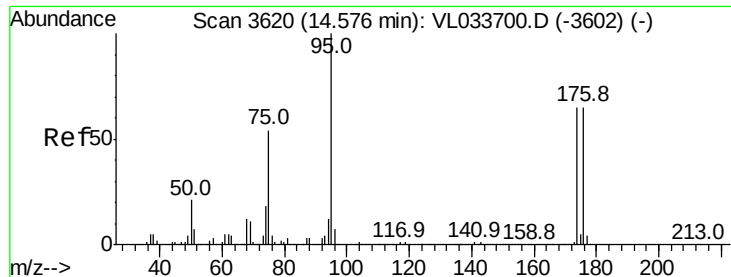
apatel
5/29/2019 12:41:31 PM



#60
o-Xylene
Concen: 0.106 ppbv m
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033826.D
Acq: 29 May 2019 6:22

Tgt Ion: 91 Resp: 20863
Ion Ratio Lower Upper
91 100
106 39.3 21.6 64.8





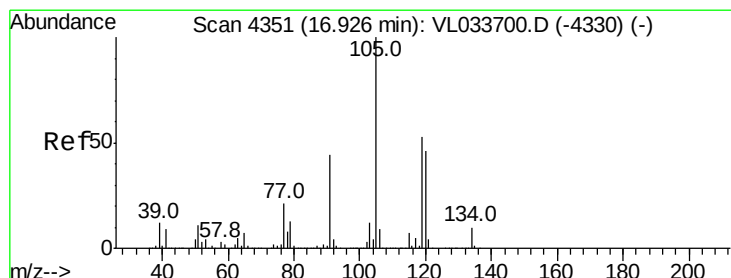
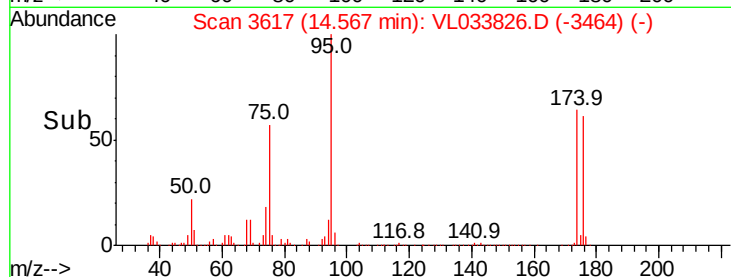
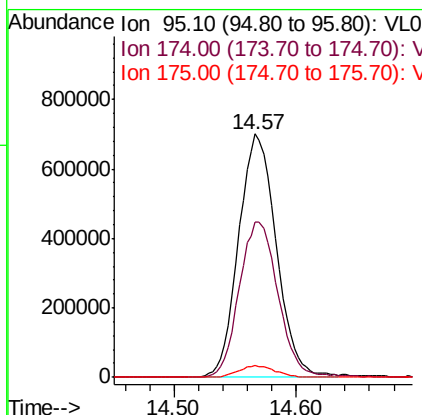
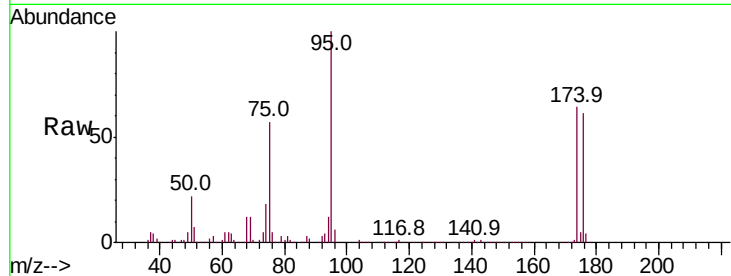
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.920 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033826.D
 Acq: 29 May 2019 6:22

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55

Tot Ion: 95 Resp: 1495983
 Ion Ratio Lower Upper
 95 100
 174 66.4 53.9 80.9
 175 4.8 3.8 5.8

Manual Integrations
 APPROVED

apatel
 5/29/2019 12:41:31 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.149 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033826.D
 Acq: 29 May 2019 6:22

Tgt Ion: 105 Resp: 35601
 Ion Ratio Lower Upper
 105 100
 120 41.0 36.8 55.2
 91 8.6 35.4 53.0#
 77 13.7 16.8 25.2#

