

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032497.D
 Acq On : 11 Sep 2018 3:19
 Operator : SY/AP
 Sample : J4820-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 253-BERRYDL

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:48 PM

Quant Time: Sep 11 16:22:40 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1382192	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.34	114	3306108	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3311802	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2583098	10.51	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

						Ovalue
4) Chloromethane	3.20	50	8212	0.11	ppbv	95
9) Propene	3.06	41	401903	7.96	ppbv	96
13) Ethanol	3.69	45	57916	3.68	ppbv	98
15) Acetone	3.93	43	791885m	6.36	ppbv	
20) Methylene Chloride	4.44	84	54917	1.16	ppbv	99
26) Hexane	5.82	57	64990	0.49	ppbv #	9
27) Carbon Disulfide	4.65	76	15250	0.13	ppbv #	51
29) Chloroform	5.89	83	76357	0.38	ppbv	92
34) 2-Butanone	5.36	43	7690265	35.02	ppbv	98
36) Benzene	7.05	78	75667	0.27	ppbv #	91
51) 2-Hexanone	10.32	43	1362164	6.39	ppbv #	100
52) Tetrachloroethene	11.42	164	14434m	0.17	ppbv	
53) Toluene	9.99	91	61997m	0.21	ppbv	
59) m/p-Xylene	13.16	91	57751m	0.16	ppbv	
61) Styrene	13.73	104	24354	0.11	ppbv	94

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

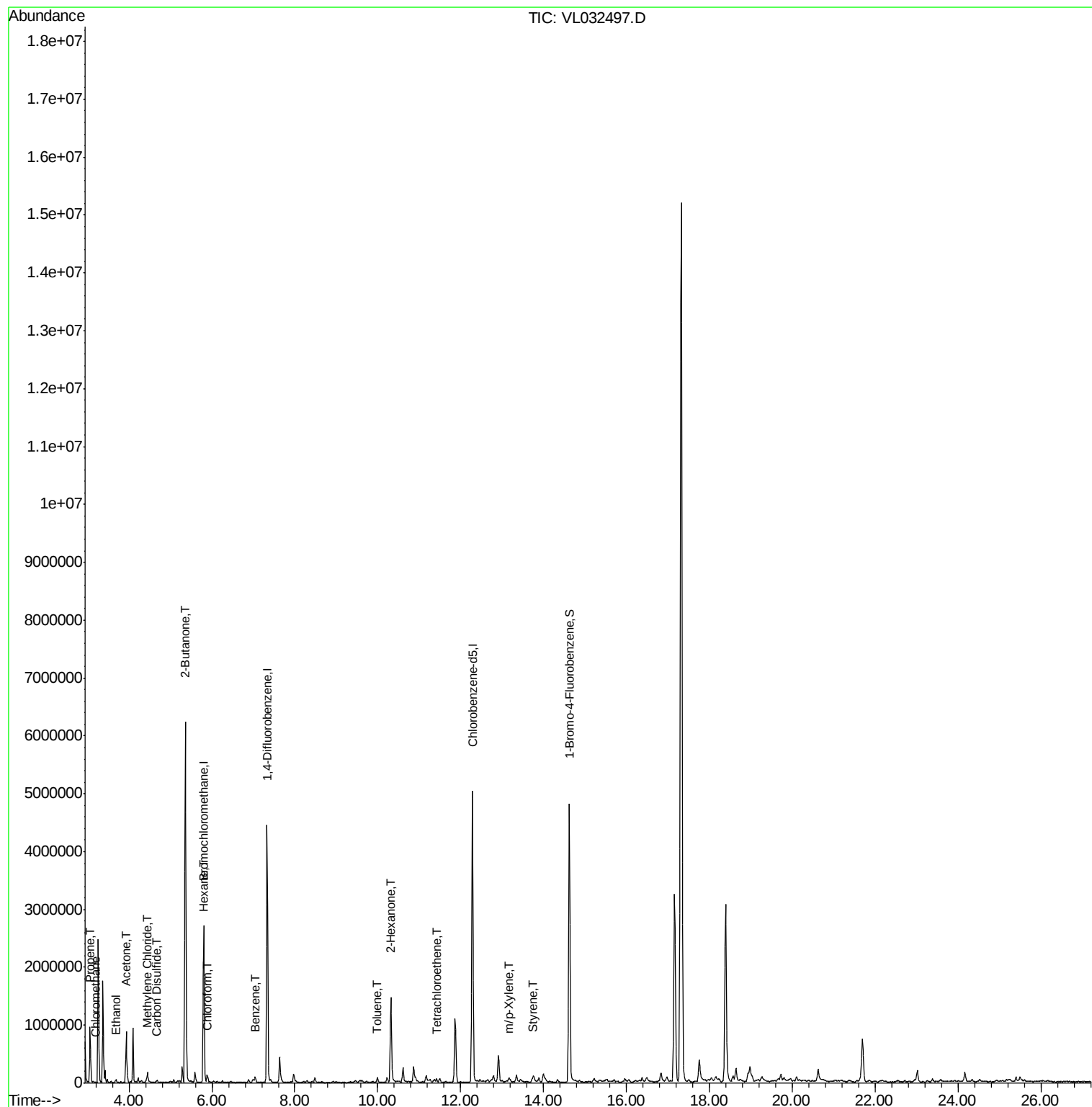
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032497.D
Acq On : 11 Sep 2018 3:19
Operator : SY/AP
Sample : J4820-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

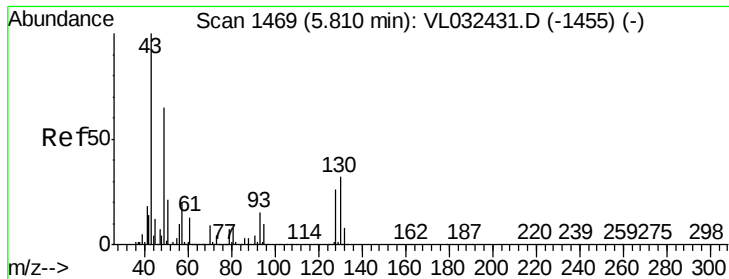
Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:48 PM

Quant Time: Sep 11 16:22:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032497.D

Acq: 11 Sep 2018 3:19

Instrument :

MSVOA_L

ClientSampleId :

253-BERRYDL

Tot Ion: 49 Resp: 1382192

Ion Ratio Lower Upper

49 100

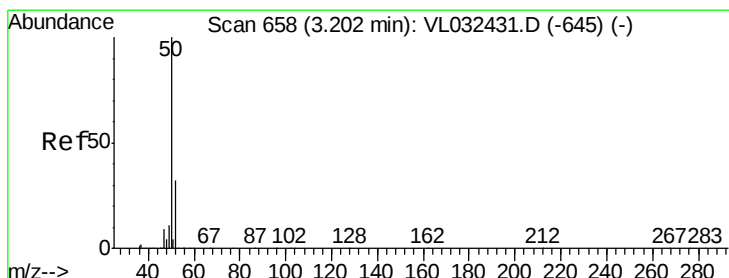
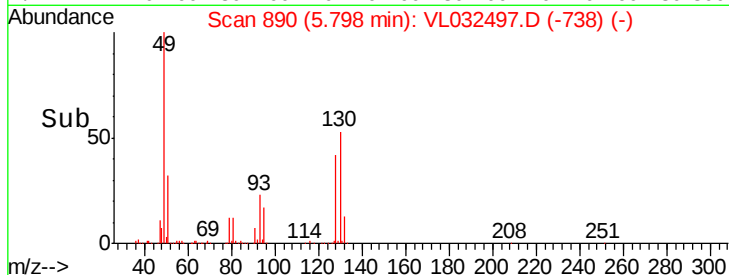
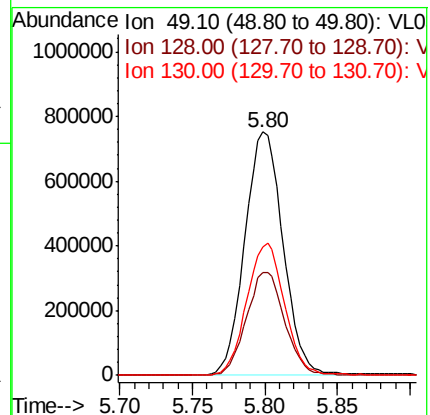
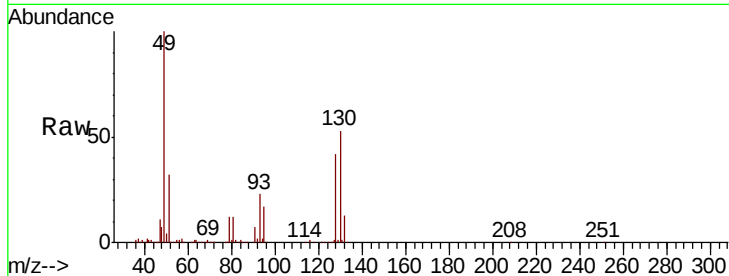
128 42.7 20.7 62.1

130 54.2 26.6 79.7

Manual Integrations
APPROVED

MMDadoda

9/12/2018 3:59:48 PM



#4

Chloromethane

Concen: 0.11 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL032497.D

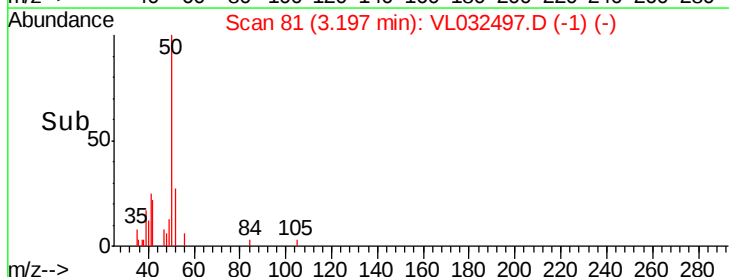
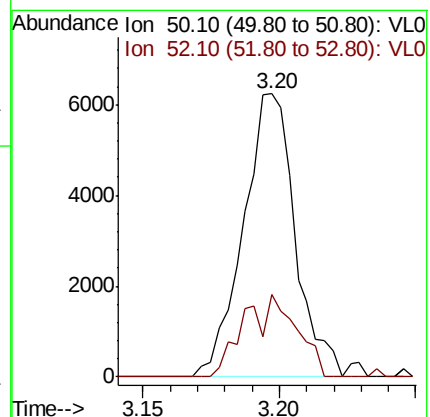
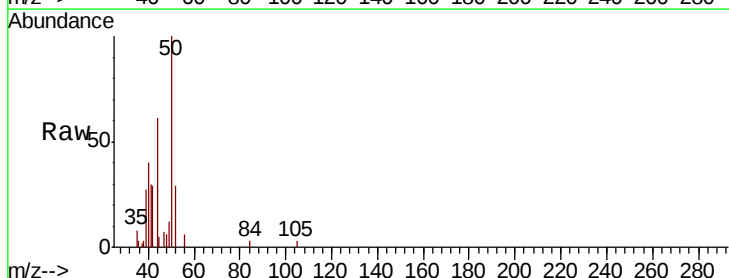
Acq: 11 Sep 2018 3:19

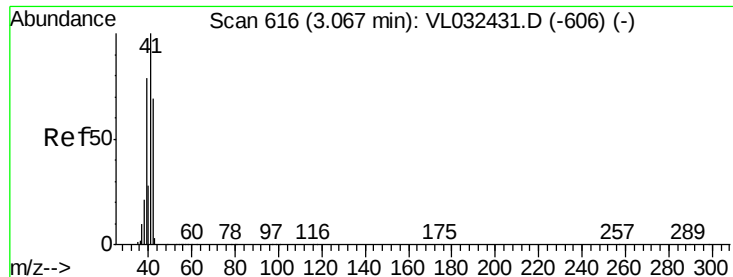
Tgt Ion: 50 Resp: 8212

Ion Ratio Lower Upper

50 100

52 29.2 25.6 38.4





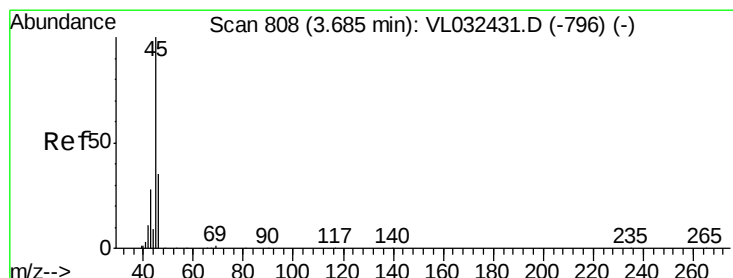
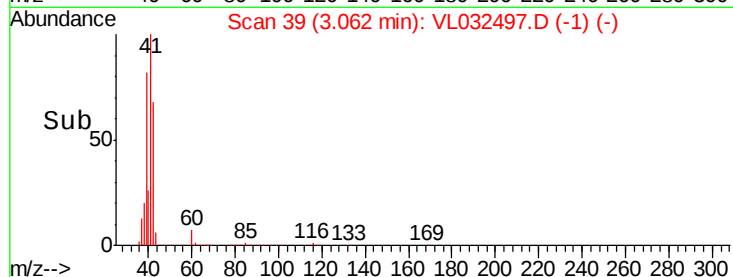
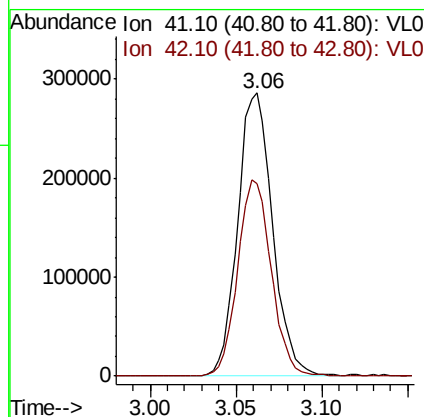
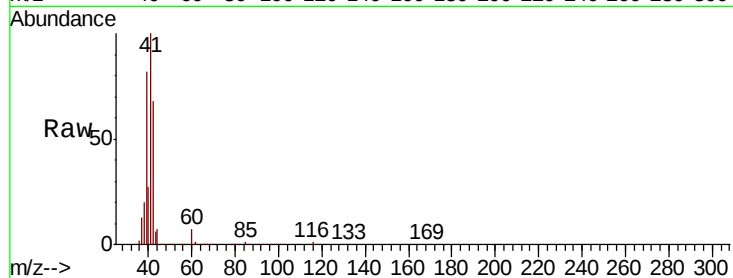
#9
 Propene
 Concen: 7.96 ppbv
 RT: 3.06 min Scan# 39
 Delta R.T. -0.01 min
 Lab File: VL032497.D
 Acq: 11 Sep 2018 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 253-BERRYDL

Tot Ion: 41 Resp: 401903
 Ion Ratio Lower Upper
 41 100
 42 67.2 56.6 84.8

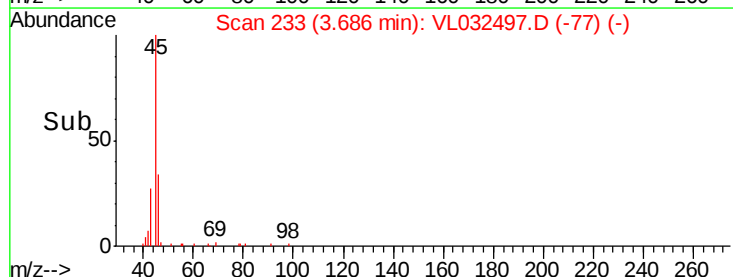
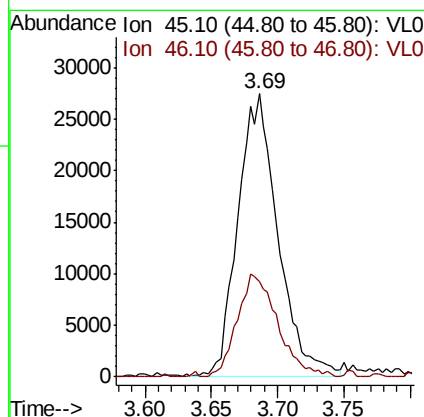
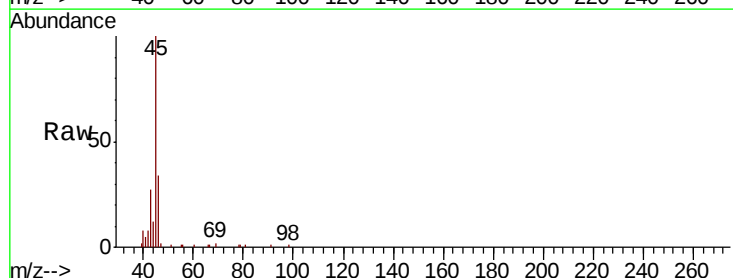
Manual Integrations
 APPROVED

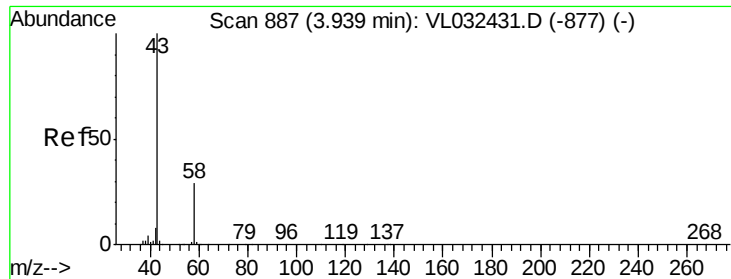
MMDadoda
 9/12/2018 3:59:48 PM



#13
 Ethanol
 Concen: 3.68 ppbv
 RT: 3.69 min Scan# 233
 Delta R.T. 0.00 min
 Lab File: VL032497.D
 Acq: 11 Sep 2018 3:19

Tgt Ion: 45 Resp: 57916
 Ion Ratio Lower Upper
 45 100
 46 36.9 14.2 56.8





#15

Acetone

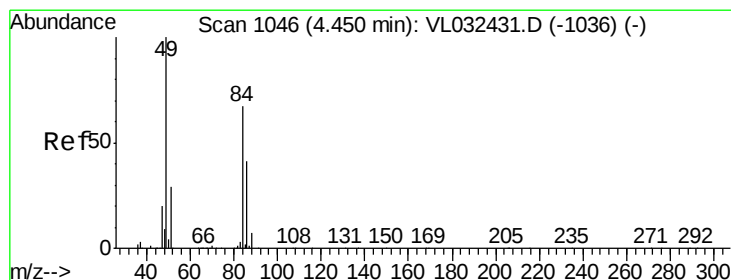
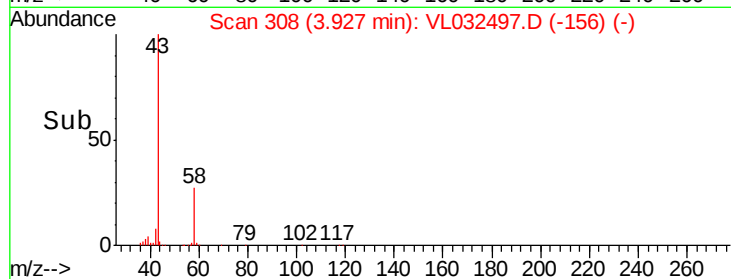
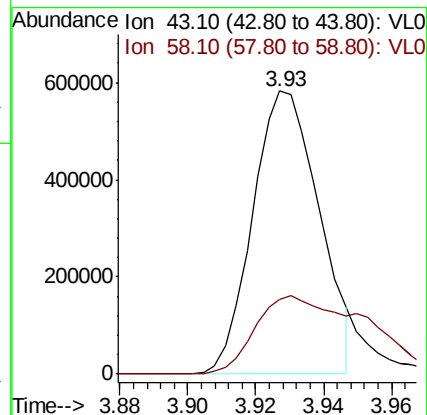
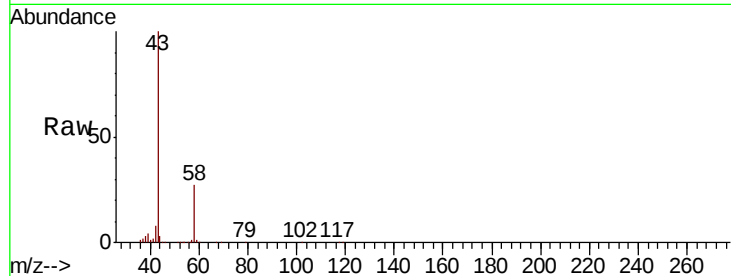
Concen: 6.36 ppbv m
RT: 3.93 min Scan# 308
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	22.6	33.8#

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:48 PM

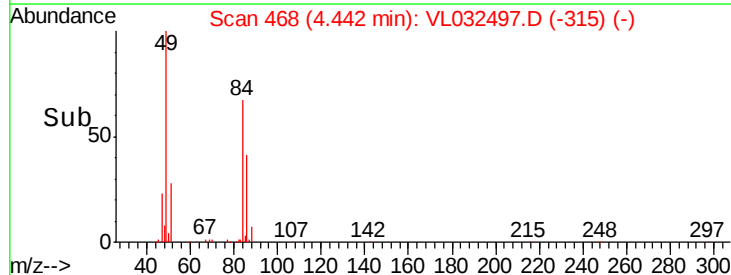
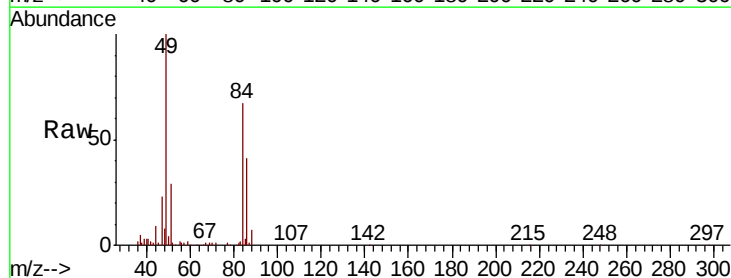
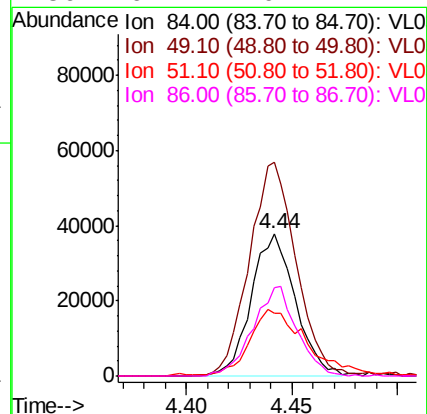


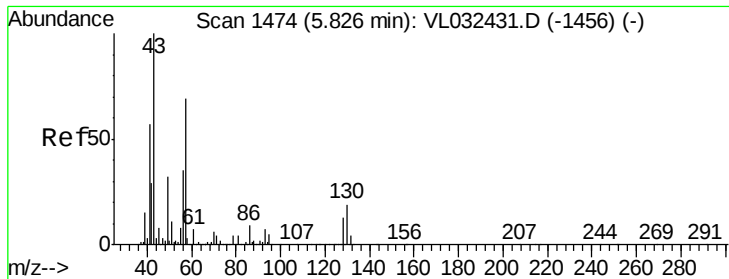
#20

Methylene Chloride

Concen: 1.16 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.1	119.1	178.7
51	42.5	35.2	52.8
86	61.7	49.4	74.2





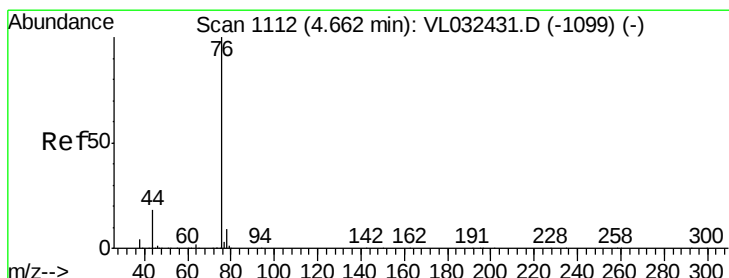
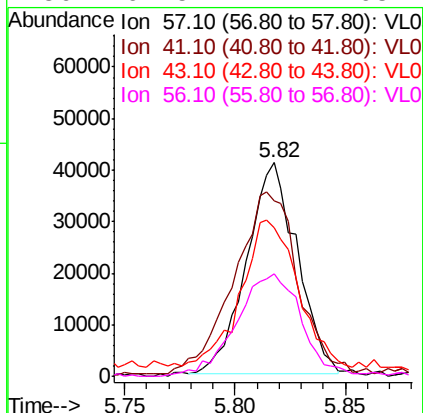
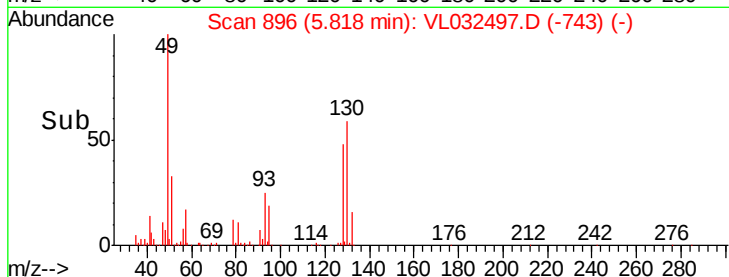
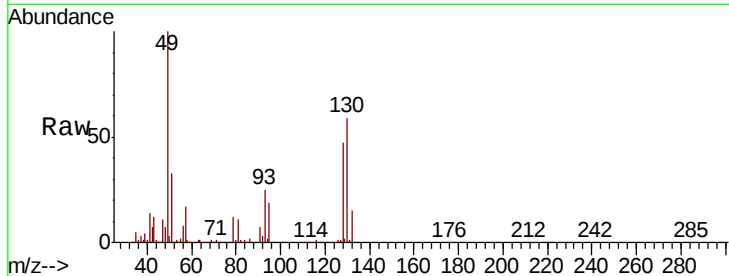
#26
Hexane
Concen: 0.49 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	108.9	69.0	103.4#
43	0.0	172.1	258.1#
56	62.5	42.2	63.2

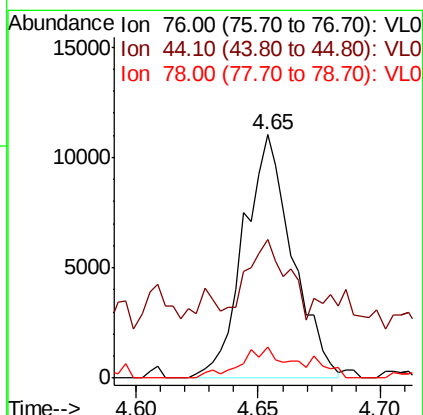
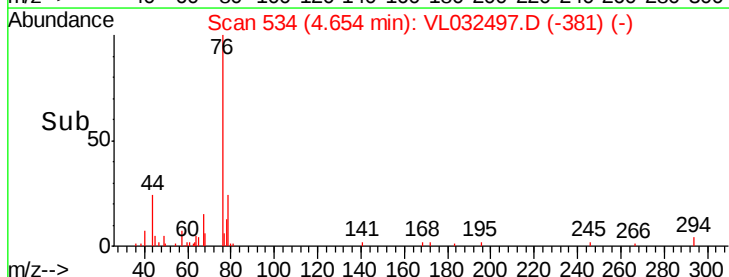
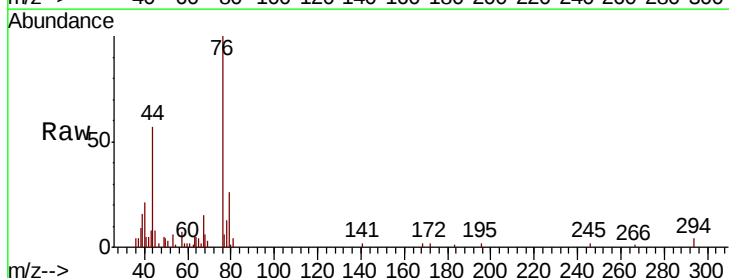
Manual Integrations
APPROVED

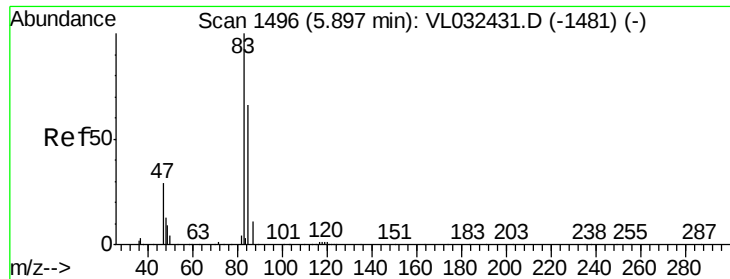
MMDadoda
9/12/2018 3:59:48 PM



#27
Carbon Disulfide
Concen: 0.13 ppbv
RT: 4.65 min Scan# 534
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Tgt Ion	Ratio	Lower	Upper
76	100		
44	47.1	14.0	21.0#
78	15.2	7.5	11.3#





#29

Chloroform

Concen: 0.38 ppbv

RT: 5.89 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL032497.D

Acq: 11 Sep 2018 3:19

Instrument :

MSVOA_L

ClientSampleId :

253-BERRYDL

Tot Ion: 83 Resp: 76357

Ion Ratio Lower Upper

83 100

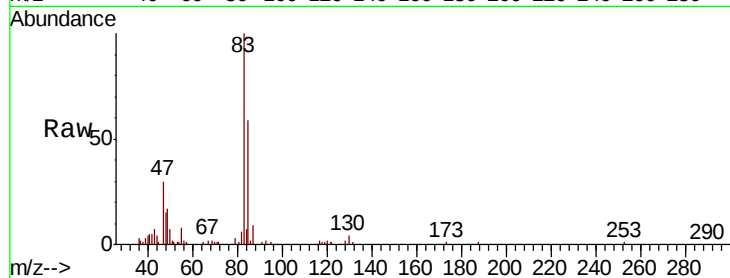
85 59.0 52.5 78.7

Manual Integrations

APPROVED

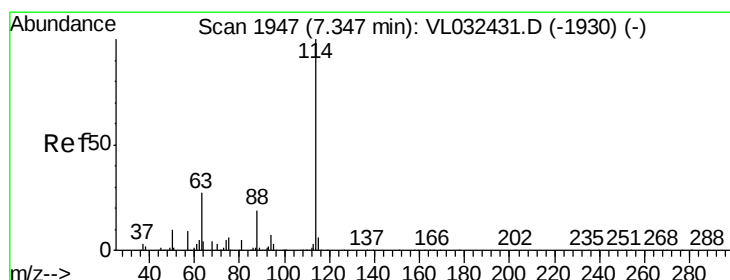
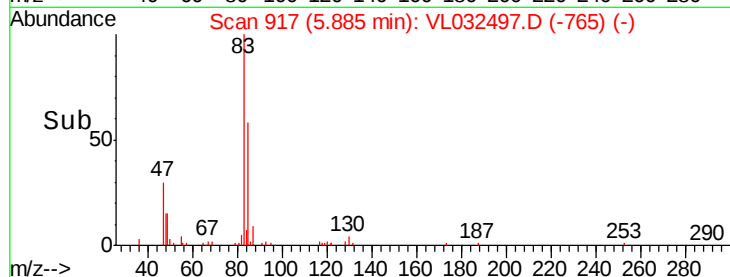
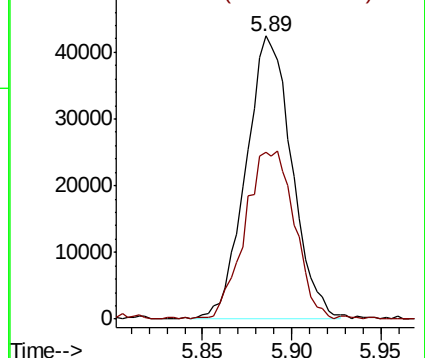
MMDadoda

9/12/2018 3:59:48 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.34 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VL032497.D

Acq: 11 Sep 2018 3:19

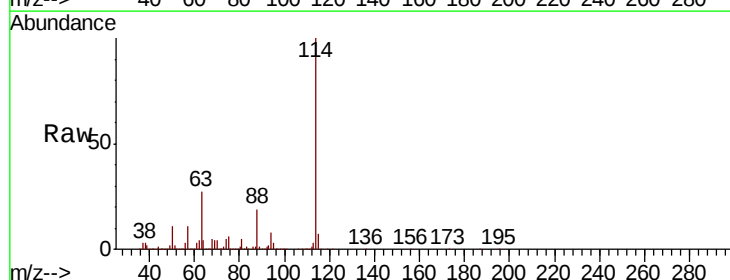
Tgt Ion: 114 Resp: 3306108

Ion Ratio Lower Upper

114 100

63 26.3 22.2 33.4

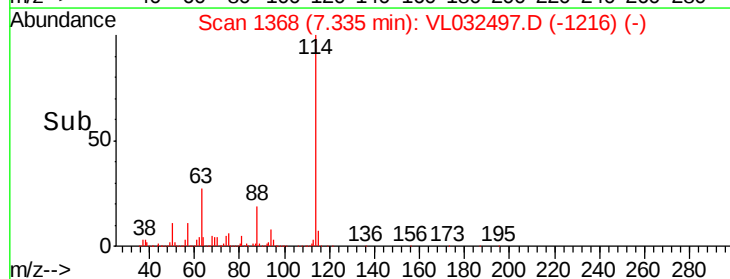
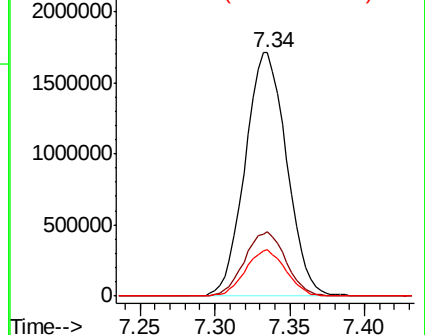
88 18.8 15.0 22.4

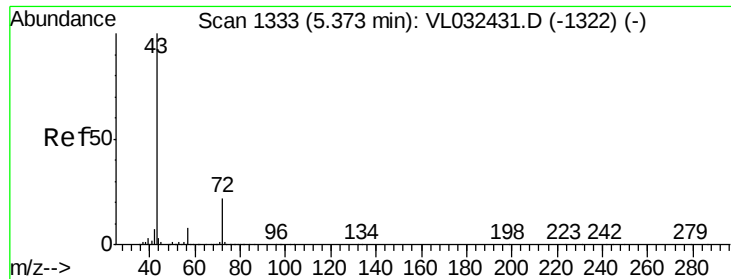


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





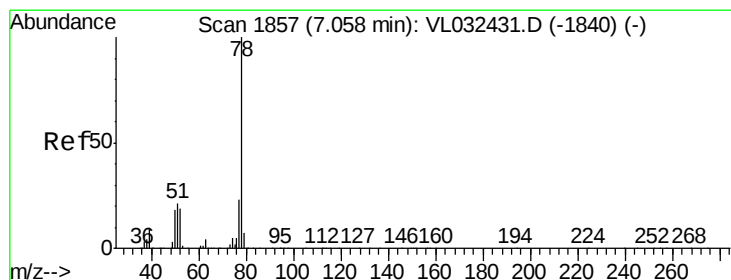
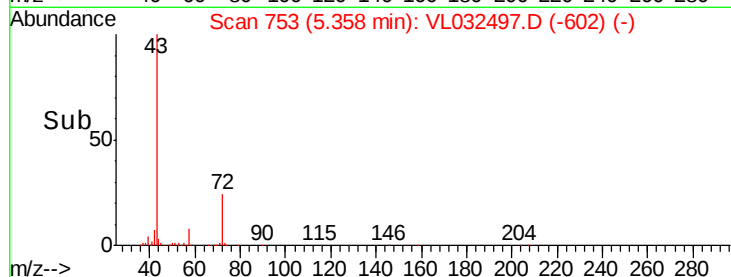
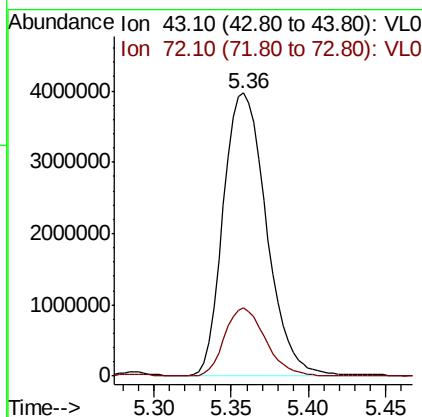
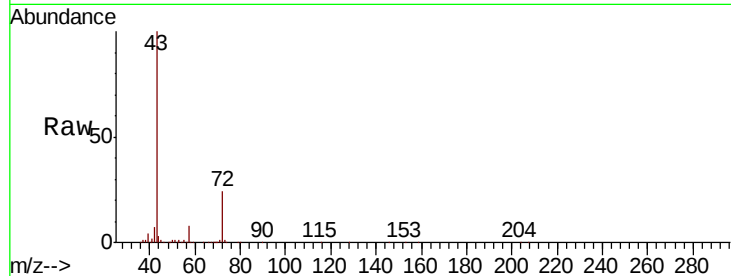
#34
2-Butanone
Concen: 35.02 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Tot Ion: 43 Resp: 7690265
Ion Ratio Lower Upper
43 100
72 23.2 17.8 26.6

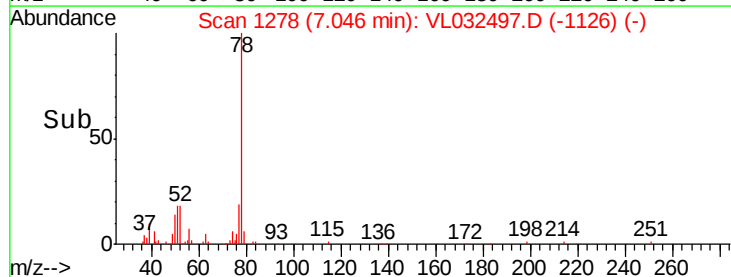
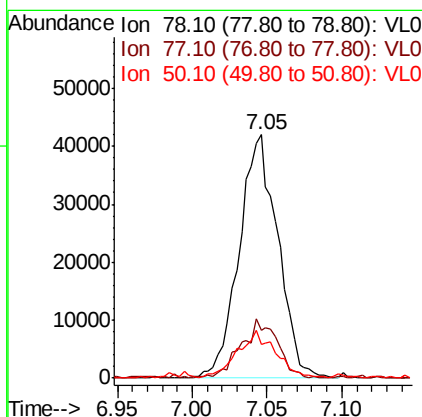
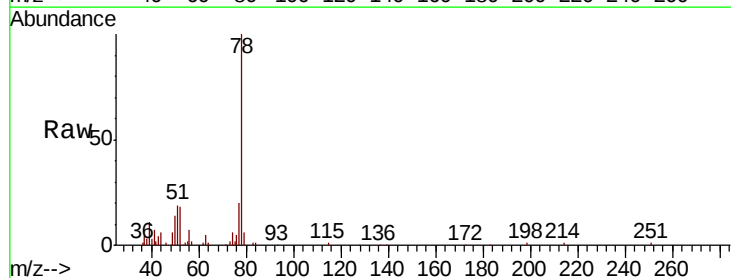
Manual Integrations
APPROVED

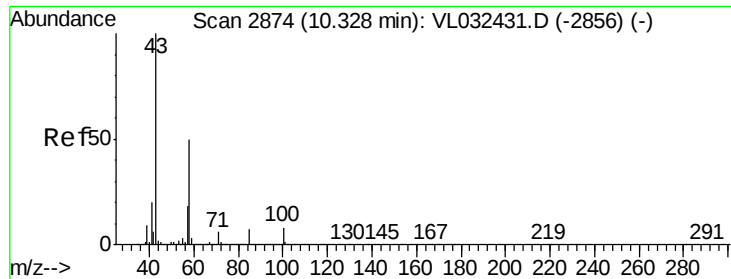
MMDadoda
9/12/2018 3:59:48 PM



#36
Benzene
Concen: 0.27 ppbv
RT: 7.05 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Tgt Ion: 78 Resp: 75667
Ion Ratio Lower Upper
78 100
77 19.6 18.4 27.6
50 12.8 14.4 21.6#





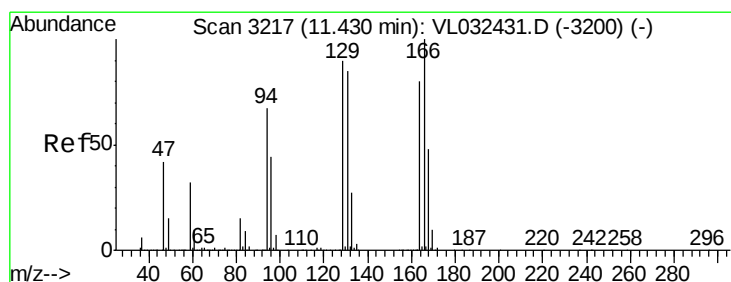
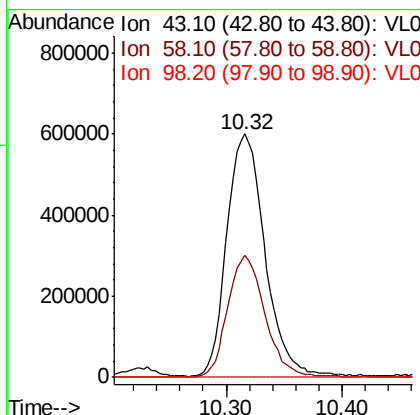
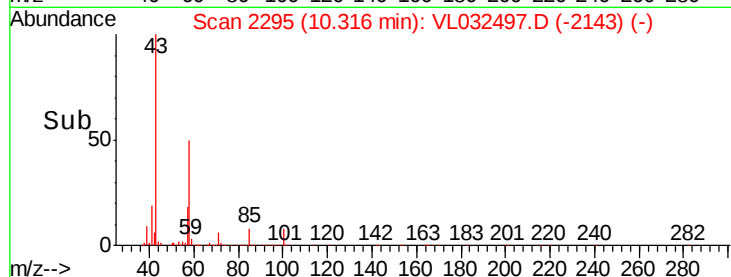
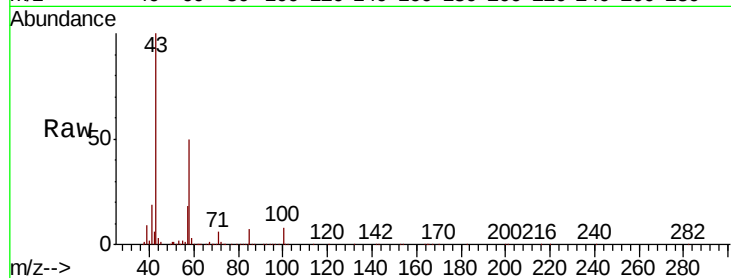
#51
2-Hexanone
Concen: 6.39 ppbv
RT: 10.32 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.2	58.8
98	0.4	0.4	0.6

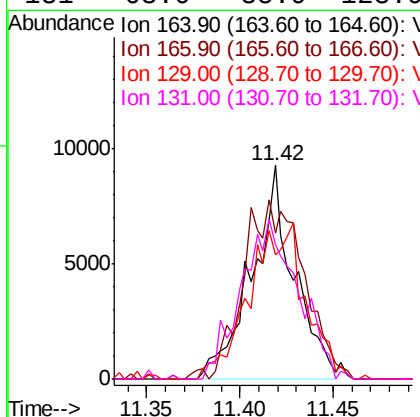
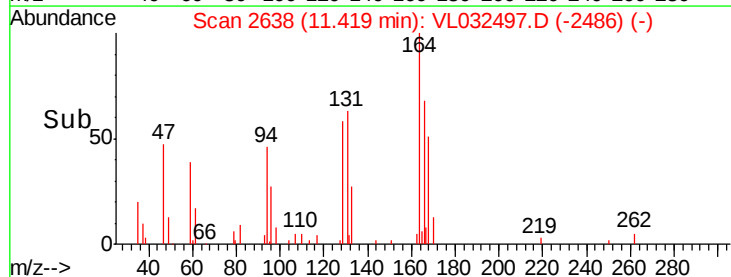
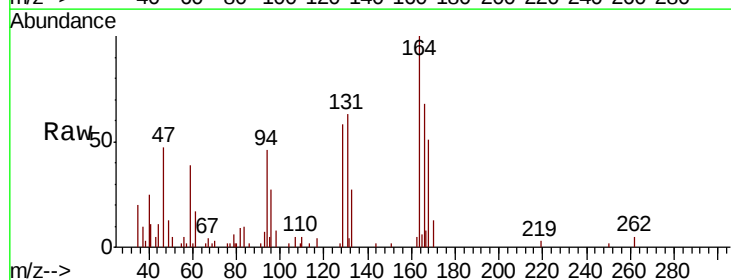
Manual Integrations
APPROVED

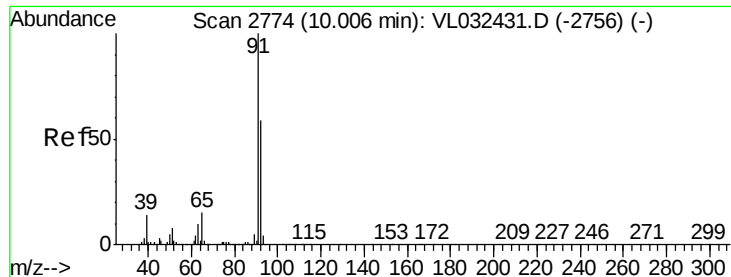
MMDadoda
9/12/2018 3:59:48 PM



#52
Tetrachloroethene
Concen: 0.17 ppbv m
RT: 11.42 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	68.5	100.6	150.8
129	58.2	89.9	134.9
131	63.0	85.9	128.9





#53

Toluene

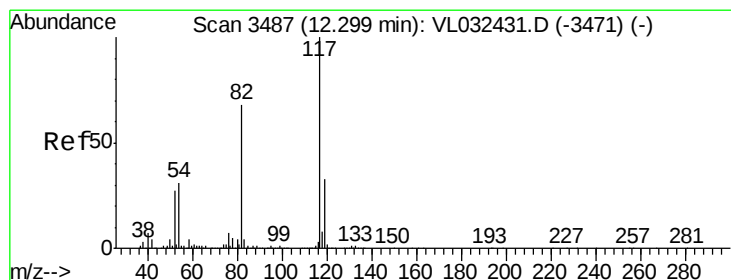
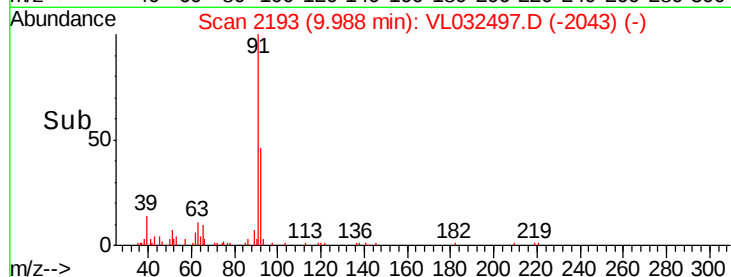
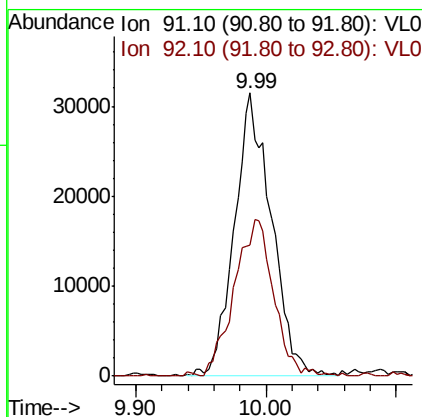
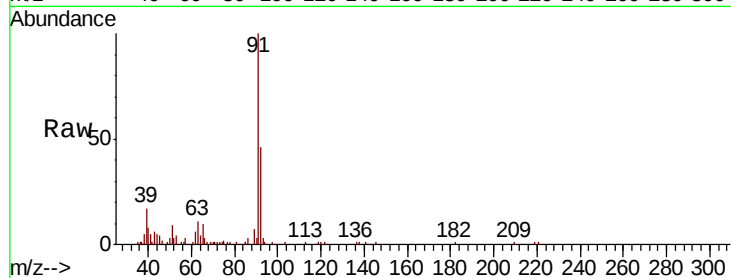
Concen: 0.21 ppbv m
RT: 9.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		61997		
92	59.1	48.1	72.1		

Manual Integrations
APPROVED

MMDadoda
9/12/2018 3:59:48 PM

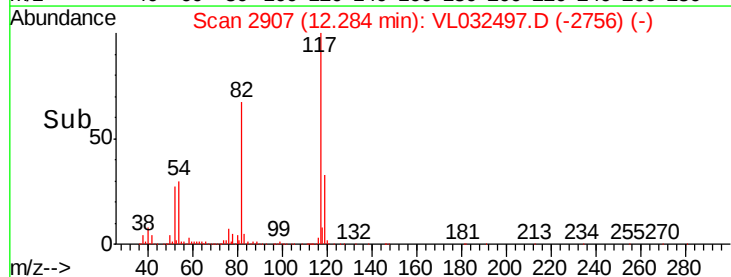
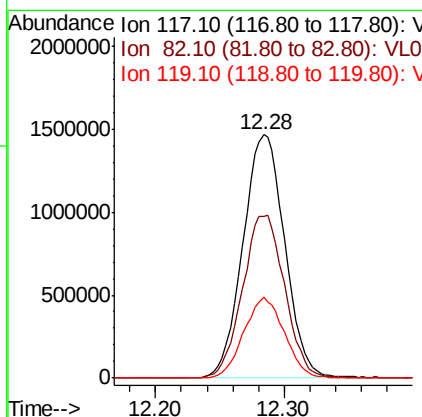
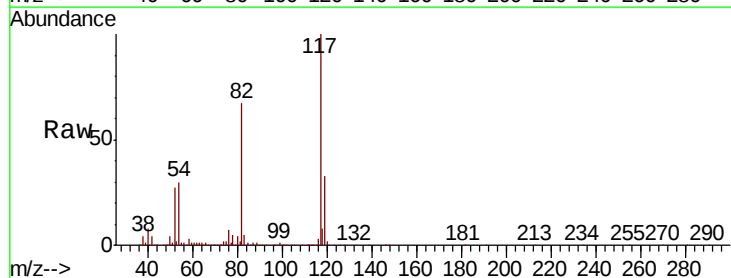


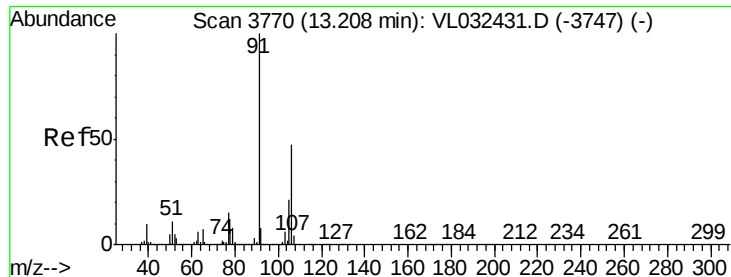
#55

Chlorobenzene-d5

Concen: 10.00 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		3311802		
82	67.5	53.0	79.6		
119	32.4	45.9	68.9		





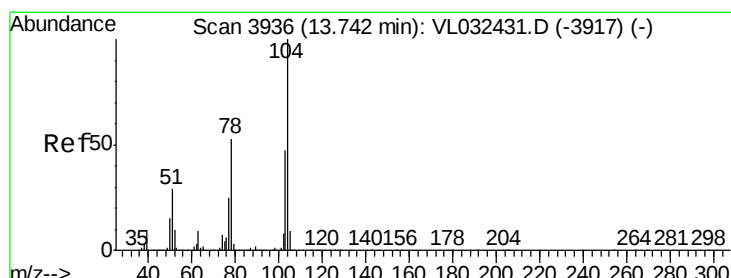
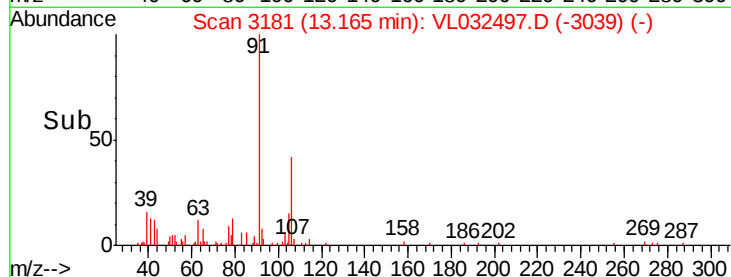
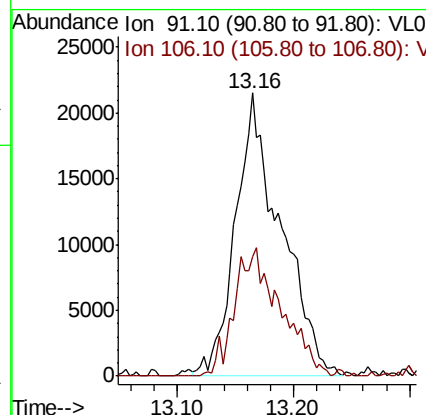
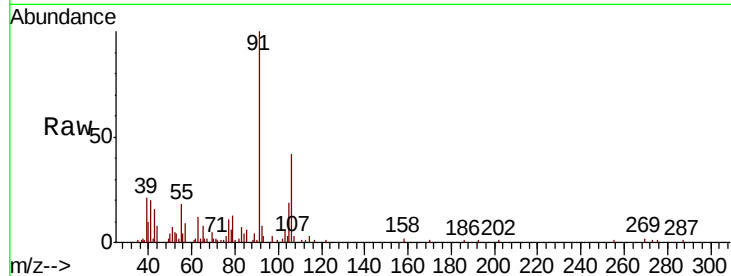
#59
m/p-Xylene
Concen: 0.16 ppbv m
RT: 13.16 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Instrument :
MSVOA_L
ClientSampleId :
253-BERRYDL

Tot Ion	Ratio	Lower	Upper
91	100		
106	47.0	36.6	55.0

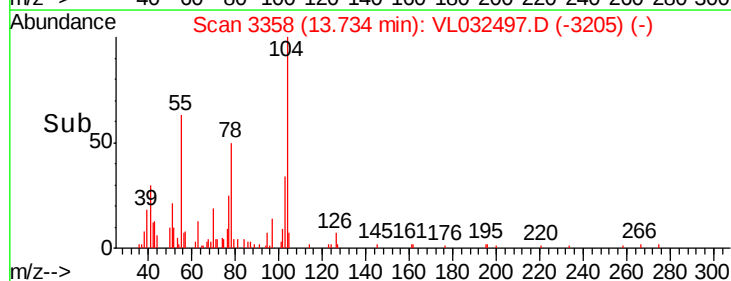
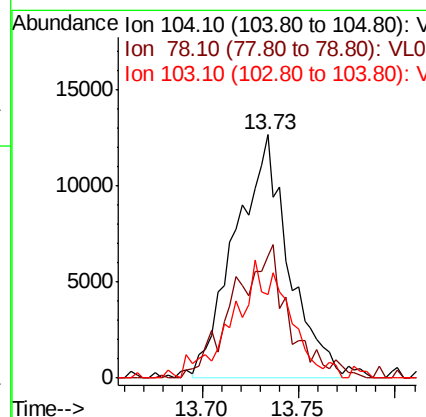
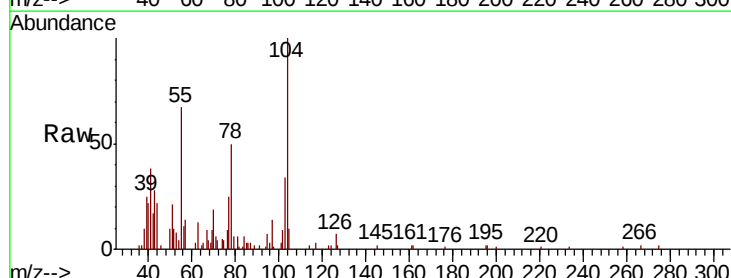
Manual Integrations
APPROVED

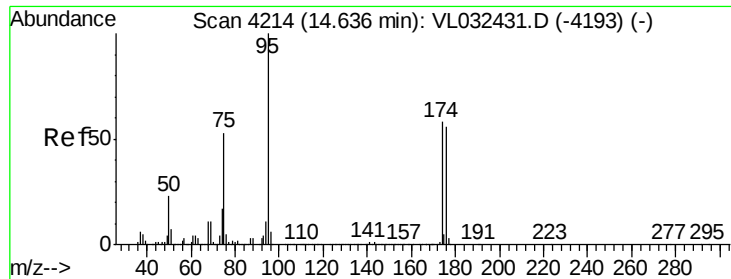
MMDadoda
9/12/2018 3:59:48 PM



#61
Styrene
Concen: 0.11 ppbv
RT: 13.73 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL032497.D
Acq: 11 Sep 2018 3:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.3	41.8	62.8
103	51.0	38.0	57.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.51 ppbv
 RT: 14.62 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL032497.D
 Acq: 11 Sep 2018 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 253-BERRYDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	58.7	46.3	69.5
175	4.2	3.4	5.0

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:48 PM

