

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032488.D
 Acq On : 10 Sep 2018 21:24
 Operator : SY/AP
 Sample : J4820-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 241-BERRY

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:38 PM

Quant Time: Sep 11 15:44:56 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	1452605	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3344254	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3075626	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2294127	10.05	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	98294	0.53	ppbv	99
3) Chlorodifluoromethane	3.04	51	51296m	0.39	ppbv	
4) Chloromethane	3.20	50	41792	0.52	ppbv	94
9) Propene	3.07	41	42243	0.80	ppbv #	77
11) Trichlorofluoromethane	4.04	101	39237	0.23	ppbv	85
13) Ethanol	3.68	45	71658	4.33	ppbv	95
15) Acetone	3.93	43	966204	7.39	ppbv	97
19) Isopropyl Alcohol	4.07	45	44374m	0.52	ppbv	
20) Methylene Chloride	4.44	84	79394	1.59	ppbv	95
26) Hexane	5.81	57	95412	0.69	ppbv #	68
27) Carbon Disulfide	4.66	76	30677	0.24	ppbv #	61
34) 2-Butanone	5.37	43	116117	0.52	ppbv	100
53) Toluene	9.99	91	82729	0.28	ppbv	94
73) 1,3,5-Trimethylbenzene	16.20	105	71131	0.20	ppbv	99
74) 1,2,4-Trimethylbenzene	16.97	105	222312	0.58	ppbv #	68

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

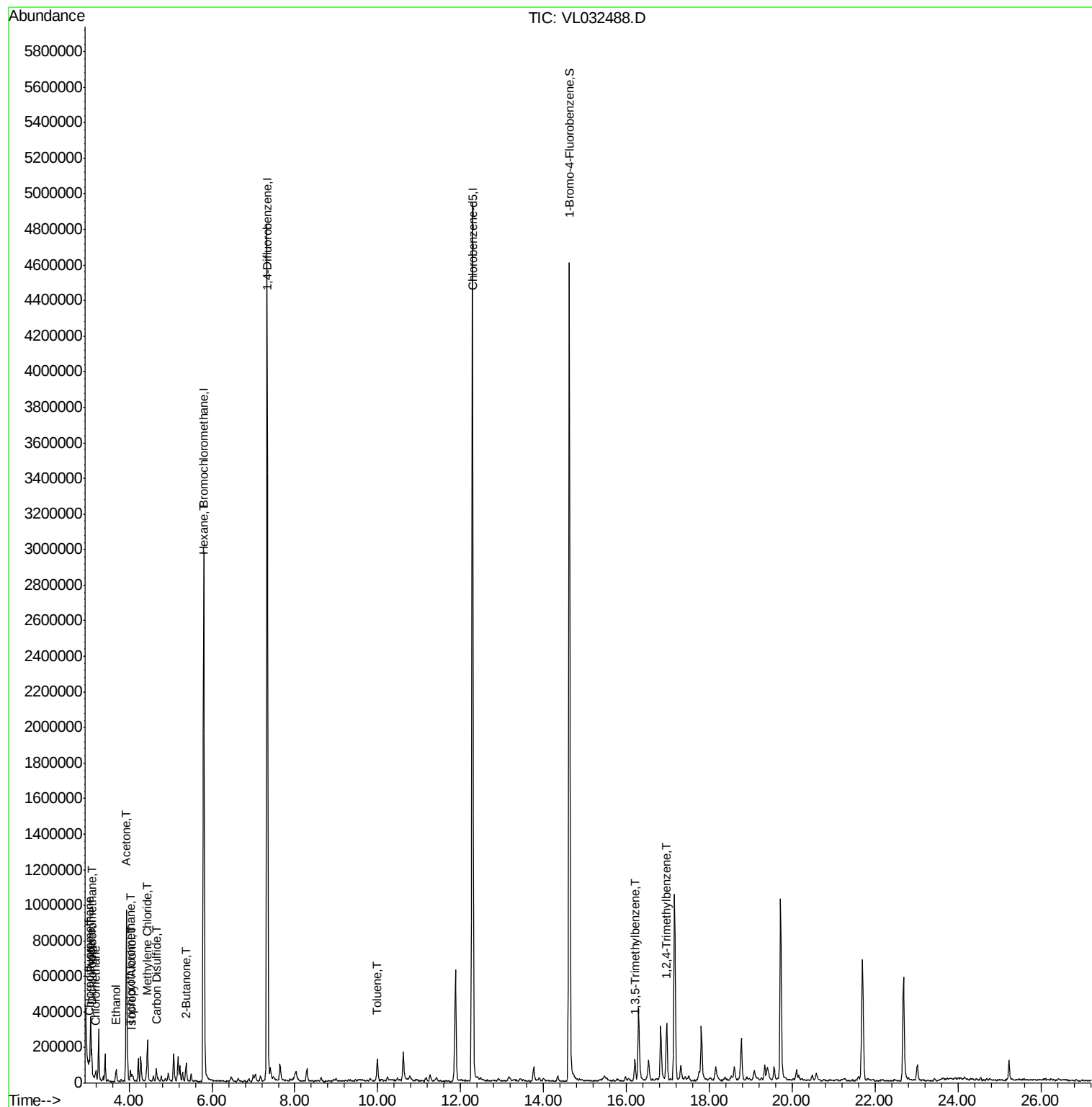
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091018\
Data File : VL032488.D
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Quant Time: Sep 11 15:44:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast 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: VL032488.D

Acq: 10 Sep 2018 21:24

Instrument :

MSVOA_L

ClientSampled :

241-BERRY

Tot Ion: 49 Resp: 1452605

Ion Ratio Lower Upper

49 100

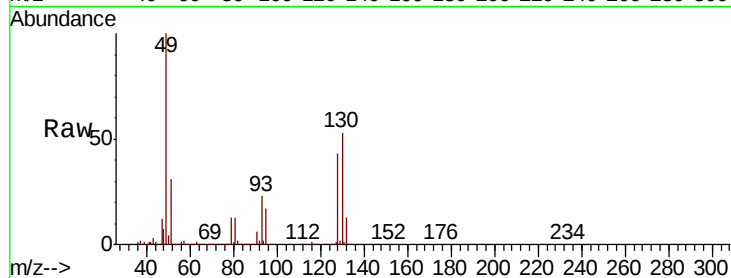
128 42.9 20.7 62.1

130 54.6 26.6 79.7

Manual Integrations
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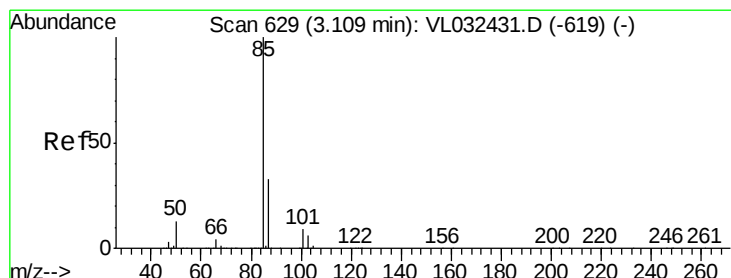
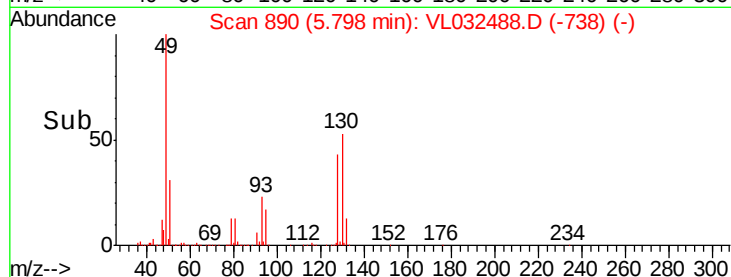
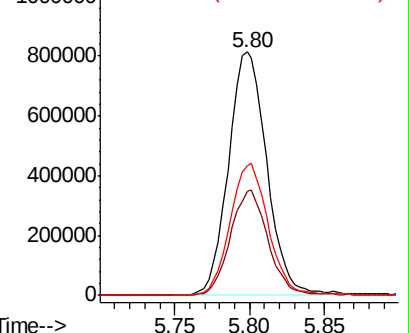
9/12/2018 3:59:38 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.53 ppbv

RT: 3.10 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL032488.D

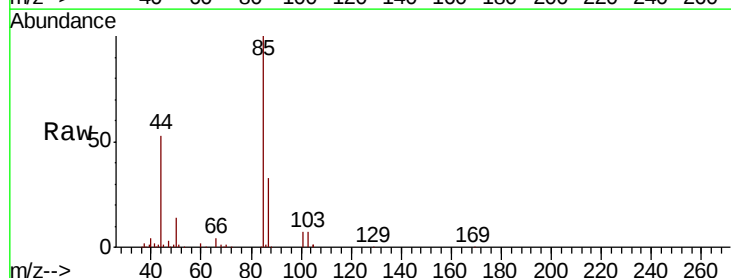
Acq: 10 Sep 2018 21:24

Tgt Ion: 85 Resp: 98294

Ion Ratio Lower Upper

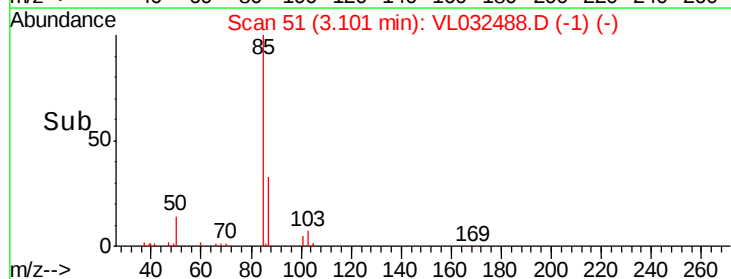
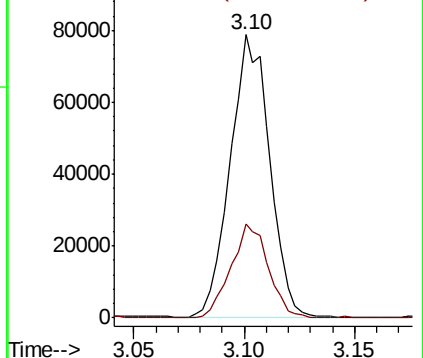
85 100

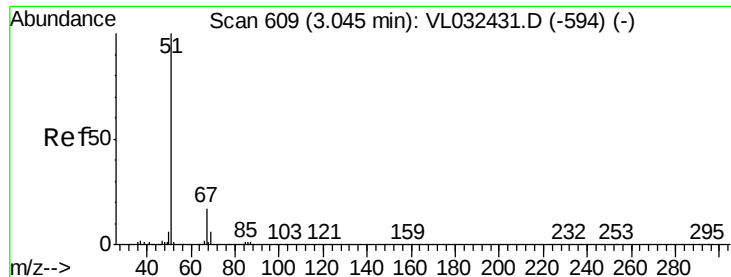
87 33.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.39 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032488.D

Acq: 10 Sep 2018 21:24

Tot Ion: 51 Resp: 51296

Ion Ratio Lower Upper

51 100

67 17.2 13.8 20.8

Instrument :

MSVOA_L

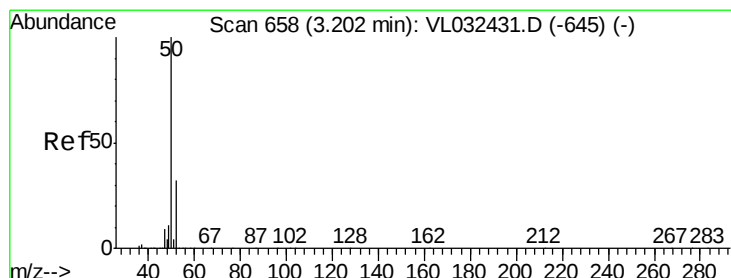
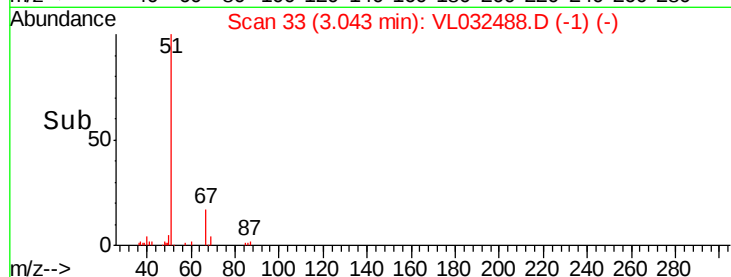
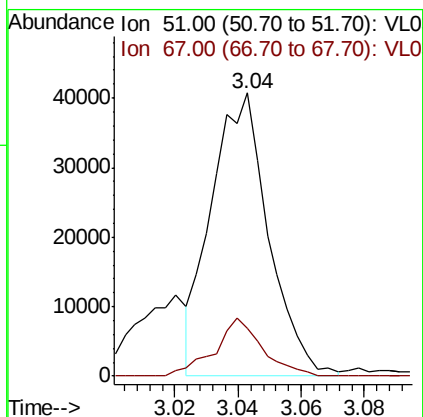
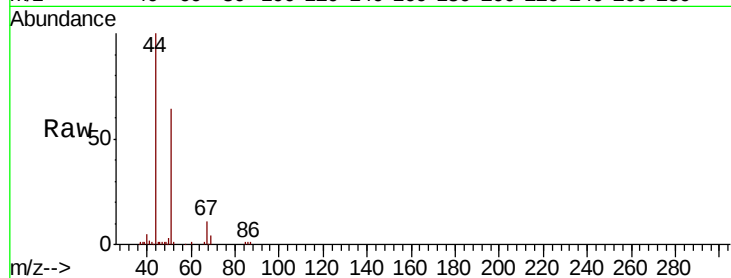
ClientSampleId :

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#4

Chloromethane

Concen: 0.52 ppbv

RT: 3.20 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL032488.D

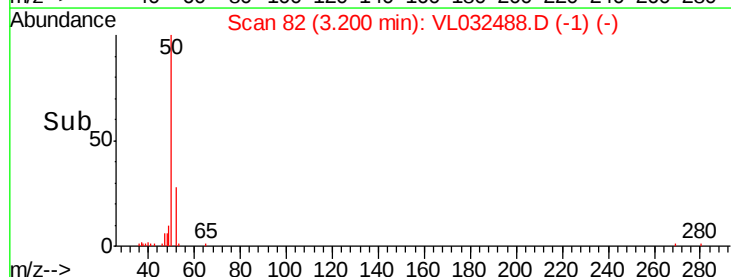
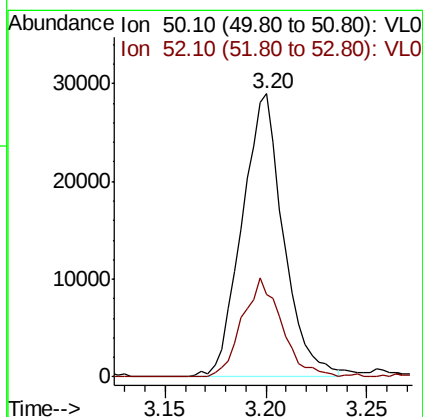
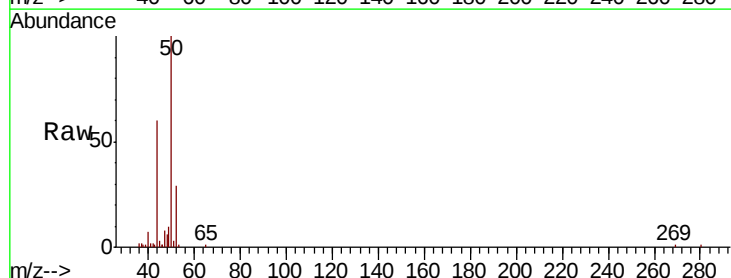
Acq: 10 Sep 2018 21:24

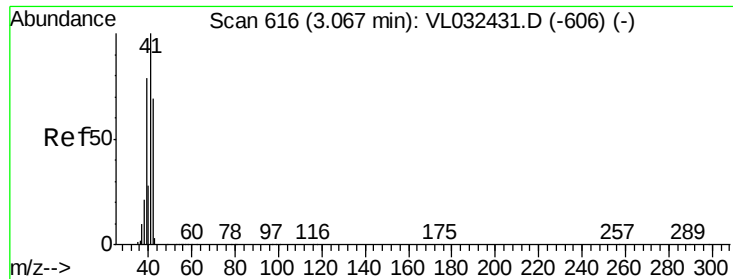
Tgt Ion: 50 Resp: 41792

Ion Ratio Lower Upper

50 100

52 28.9 25.6 38.4





#9

Propene

Concen: 0.80 ppbv

RT: 3.07 min Scan# 42

Delta R.T. 0.00 min

Lab File: VL032488.D

Acq: 10 Sep 2018 21:24

Instrument :

MSVOA_L

ClientSampleId :

241-BERRY

Tot Ion: 41 Resp: 42243

Ion Ratio Lower Upper

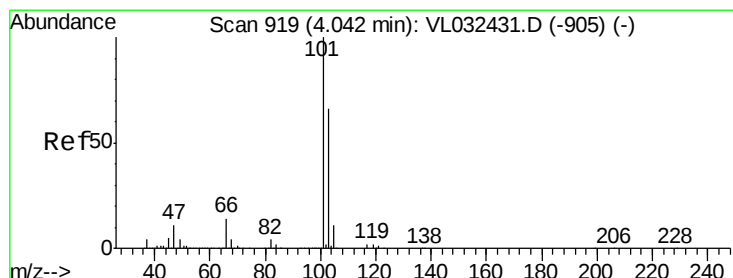
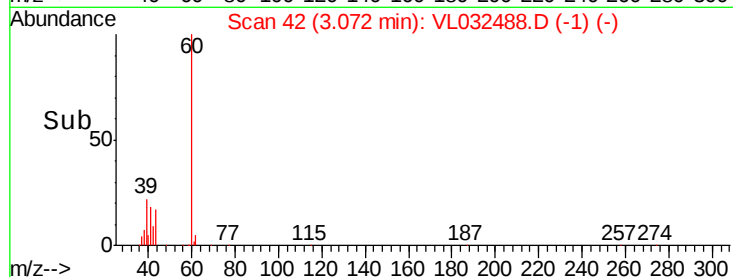
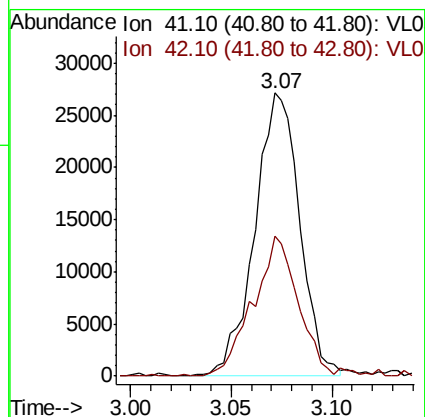
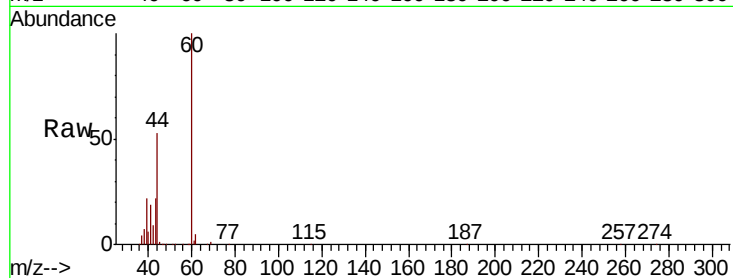
41 100

42 51.6 56.6 84.8#

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#11

Trichlorofluoromethane

Concen: 0.23 ppbv

RT: 4.04 min Scan# 343

Delta R.T. -0.00 min

Lab File: VL032488.D

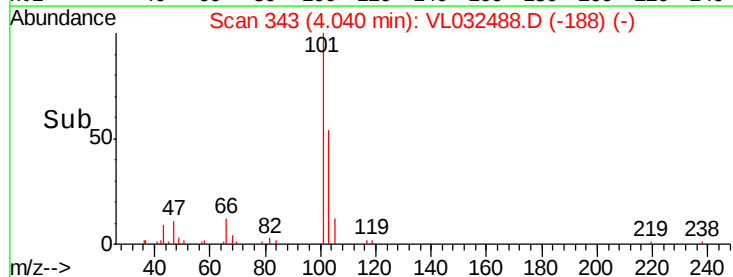
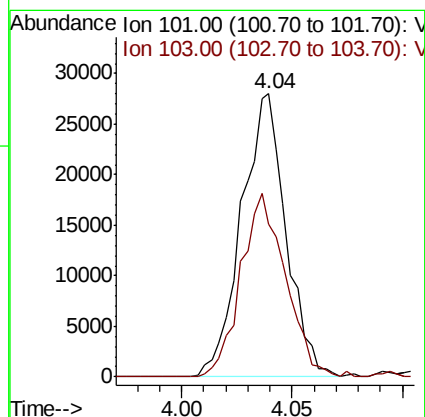
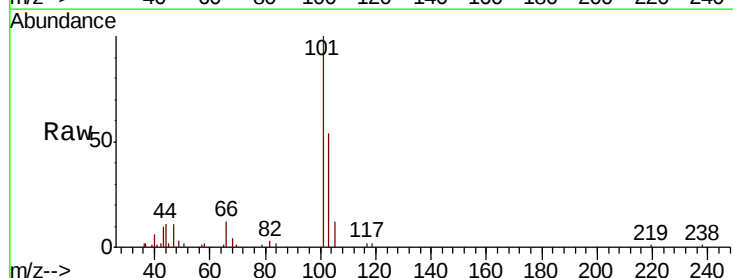
Acq: 10 Sep 2018 21:24

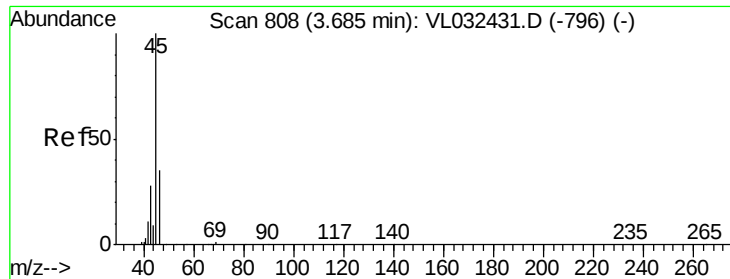
Tgt Ion: 101 Resp: 39237

Ion Ratio Lower Upper

101 100

103 54.0 52.8 79.2





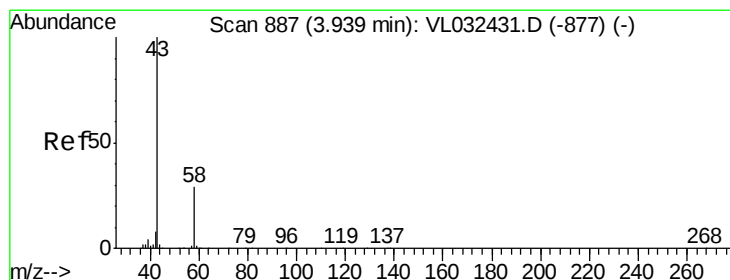
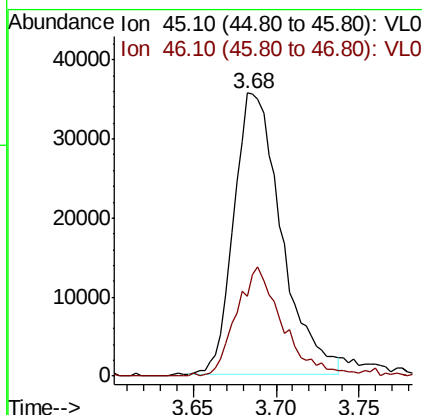
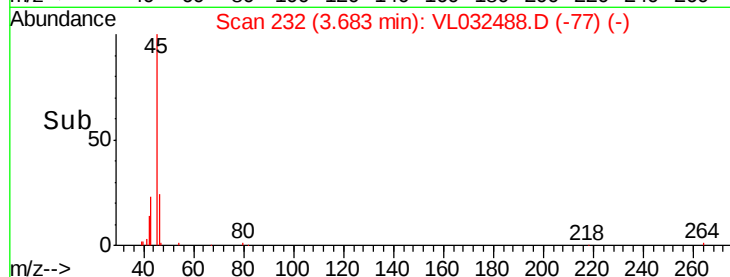
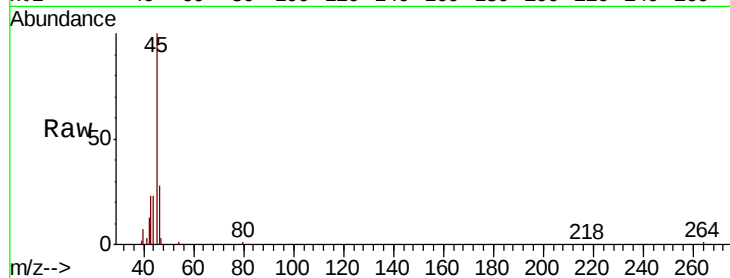
#13
Ethanol
Concen: 4.33 ppbv
RT: 3.68 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL032488.D
Acq: 10 Sep 2018 21:24

Instrument :
MSVOA_L
ClientSampleId :
241-BERRY

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	38.4		14.2	56.8	

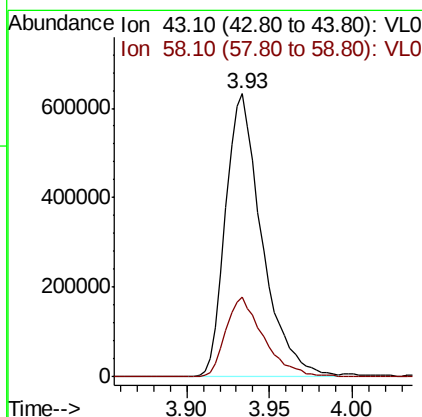
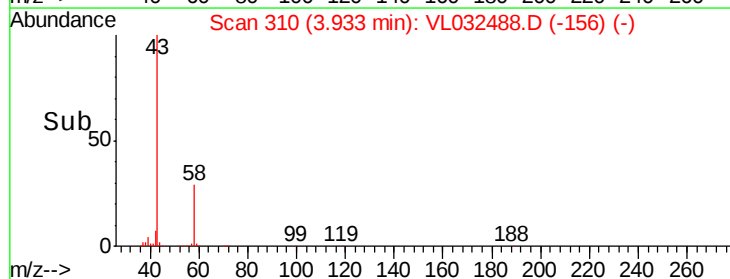
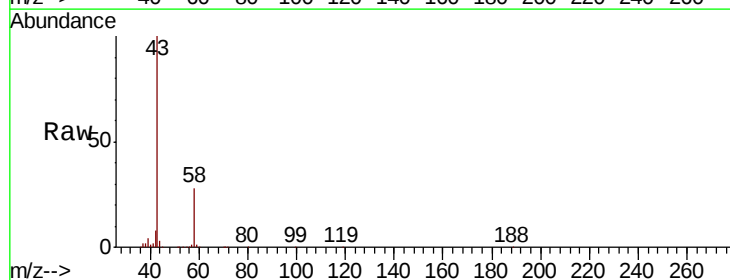
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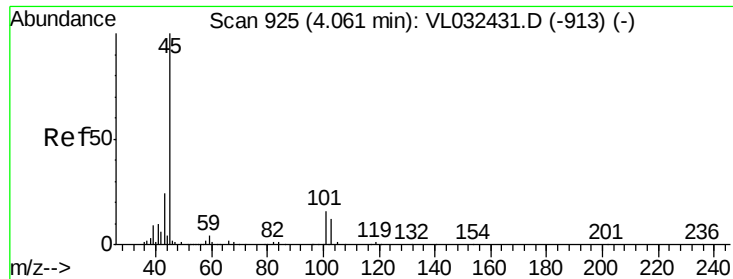
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#15
Acetone
Concen: 7.39 ppbv
RT: 3.93 min Scan# 310
Delta R.T. -0.01 min
Lab File: VL032488.D
Acq: 10 Sep 2018 21:24

Tgt Ion	43	58	Ratio	Lower	Upper
43	100				
58	29.7		22.6	33.8	





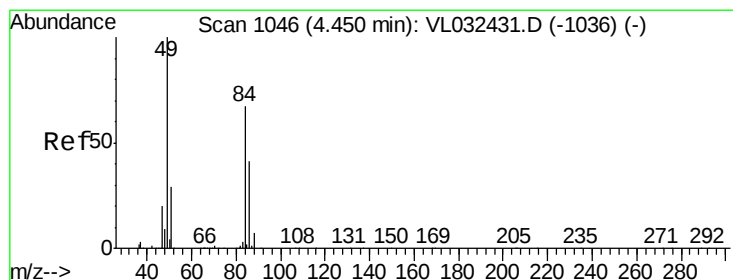
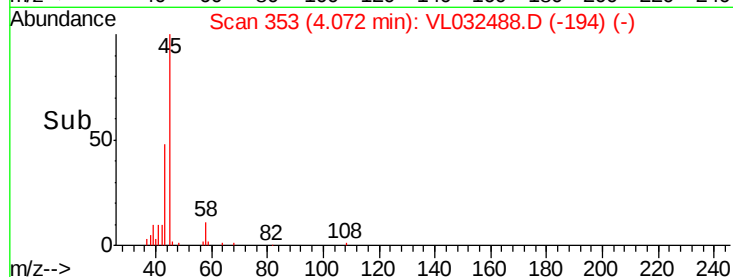
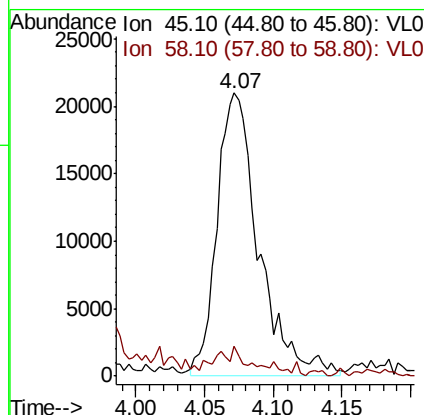
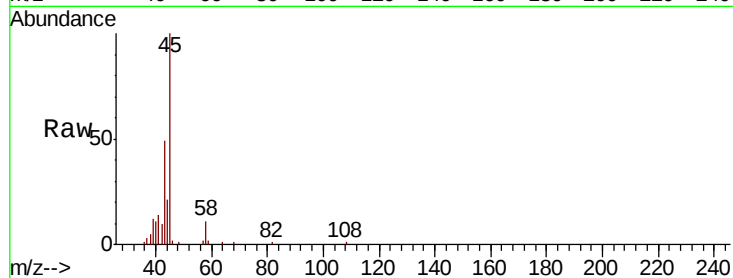
#19
Isopropyl Alcohol
Concen: 0.52 ppbv m
RT: 4.07 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL032488.D
Acq: 10 Sep 2018 21:24

Instrument :
MSVOA_L
ClientSampleId :
241-BERRY

Tot Ion: 45 Resp: 44374
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#

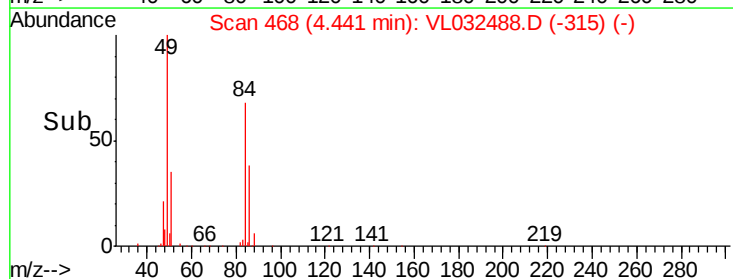
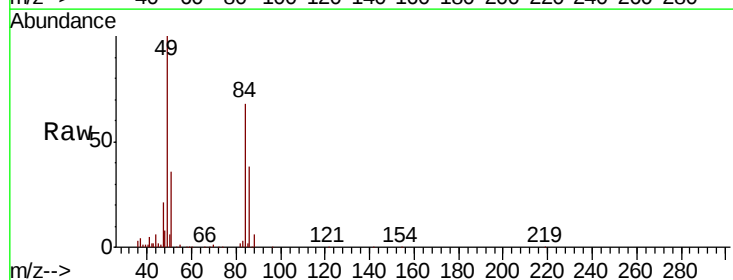
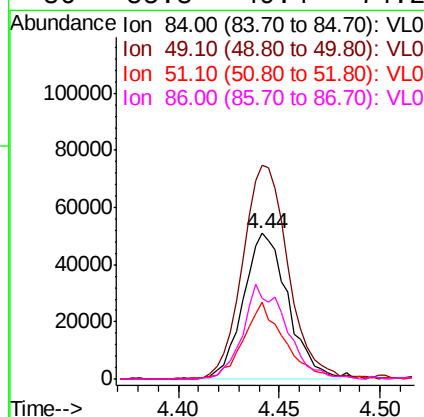
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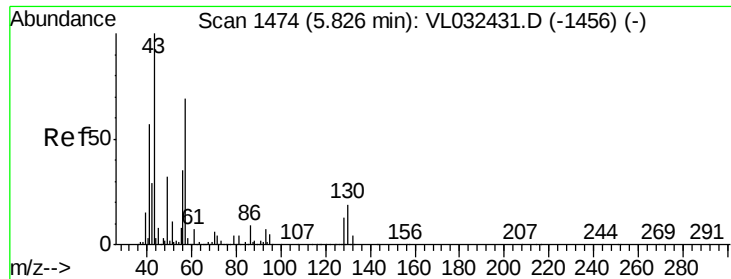
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#20
Methylene Chloride
Concen: 1.59 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032488.D
Acq: 10 Sep 2018 21:24

Tgt Ion: 84 Resp: 79394
Ion Ratio Lower Upper
84 100
49 146.6 119.1 178.7
51 52.4 35.2 52.8
86 55.8 49.4 74.2





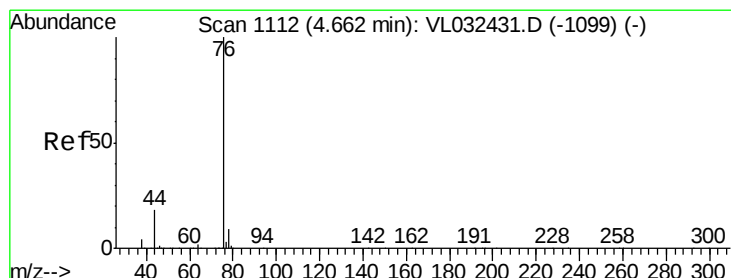
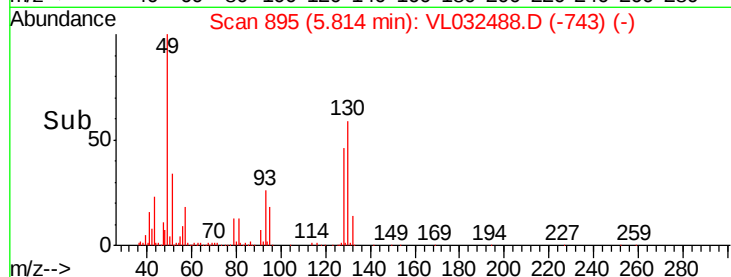
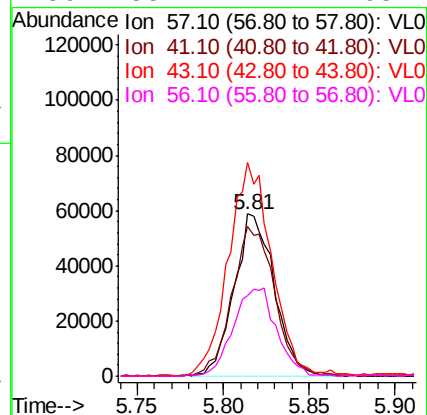
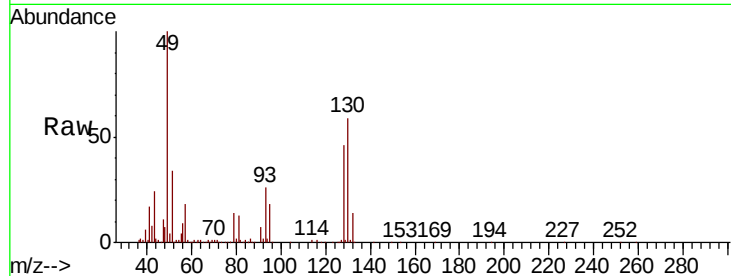
#26
Hexane
Concen: 0.69 ppbv
RT: 5.81 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL032488.D
Acq: 10 Sep 2018 21:24

Instrument :
MSVOA_L
ClientSampleId :
241-BERRY

Tot Ion	57	Resp	95412
Ion	Ratio	Lower	Upper
57	100		
41	98.2	69.0	103.4
43	143.2	172.1	258.1#
56	58.7	42.2	63.2

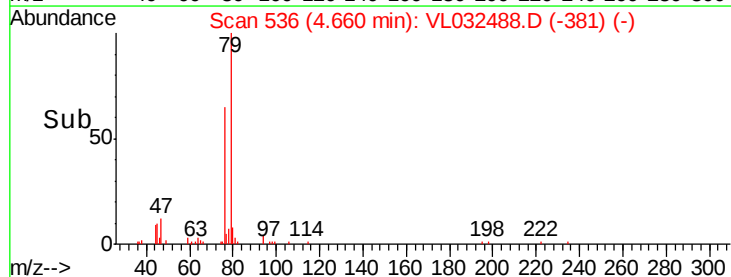
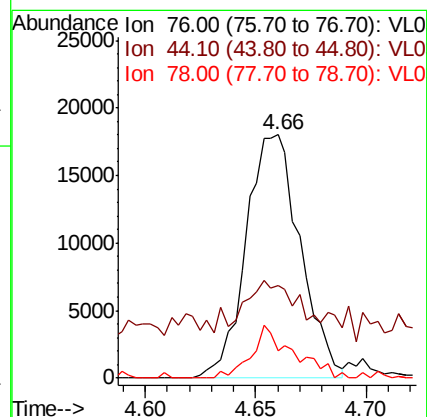
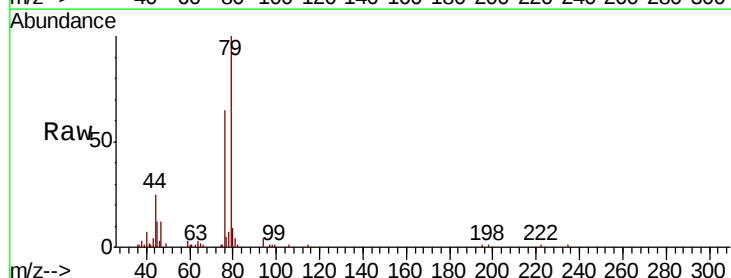
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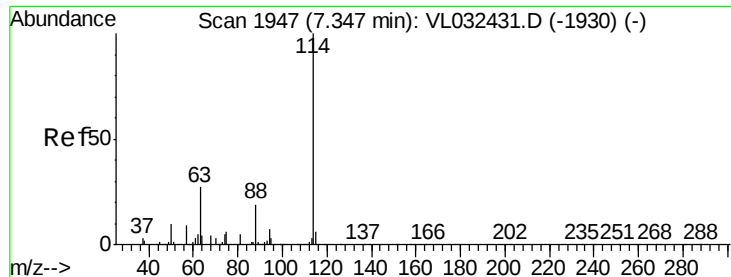
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#27
Carbon Disulfide
Concen: 0.24 ppbv
RT: 4.66 min Scan# 536
Delta R.T. -0.00 min
Lab File: VL032488.D
Acq: 10 Sep 2018 21:24

Tgt Ion	76	Resp	30677
Ion	Ratio	Lower	Upper
76	100		
44	38.9	14.0	21.0#
78	16.5	7.5	11.3#





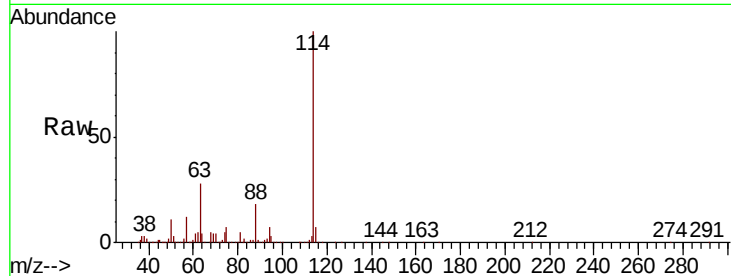
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.33 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL032488.D
 Acq: 10 Sep 2018 21:24

Instrument :
 MSVOA_L
 ClientSampleId :
 241-BERRY

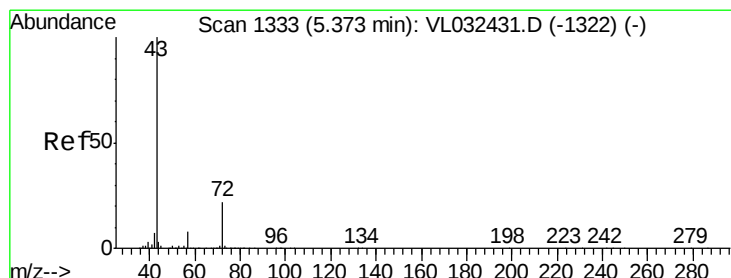
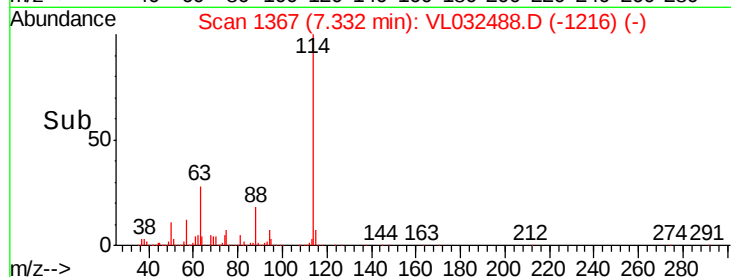
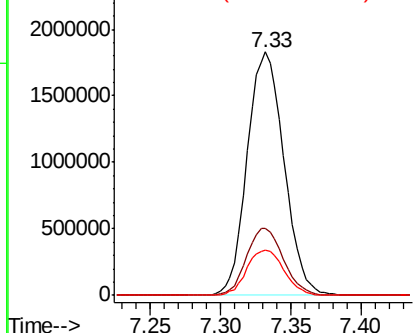
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.9	15.0	22.4

Manual Integrations
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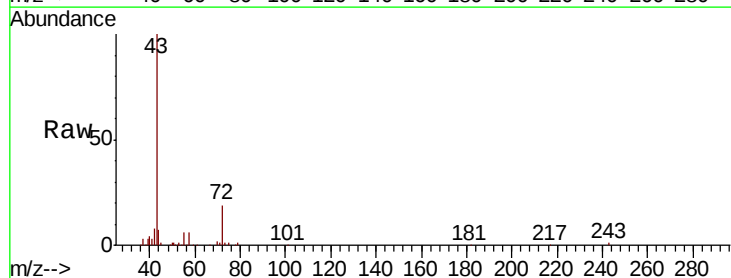


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

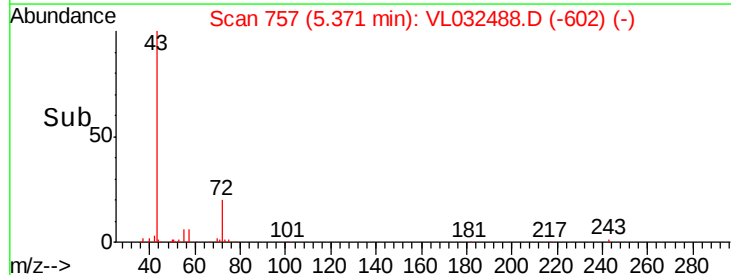
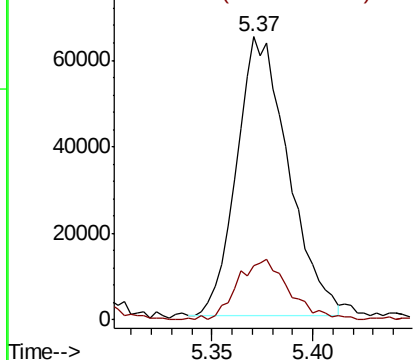


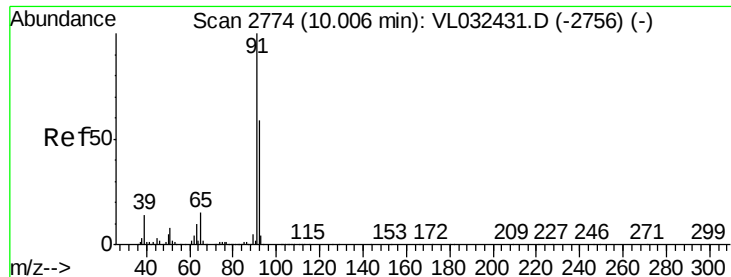
#34
 2-Butanone
 Concen: 0.52 ppbv
 RT: 5.37 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: VL032488.D
 Acq: 10 Sep 2018 21:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#53

Toluene

Concen: 0.28 ppbv

RT: 9.99 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL032488.D

Acq: 10 Sep 2018 21:24

Instrument :

MSVOA_L

ClientSampleId :

241-BERRY

Tot Ion: 91 Resp: 82729

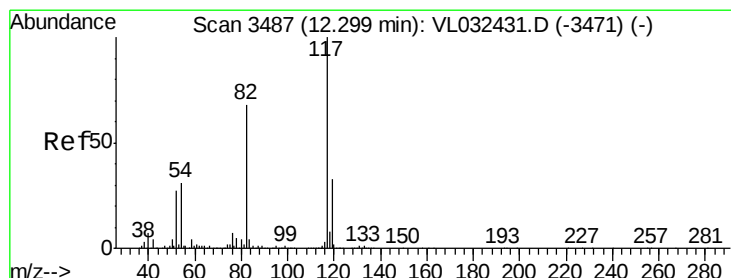
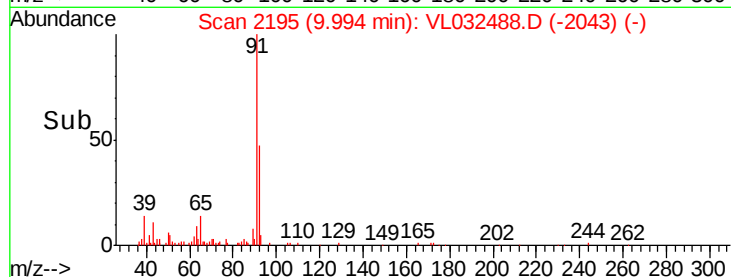
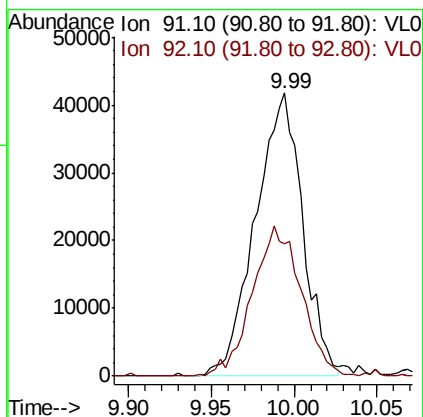
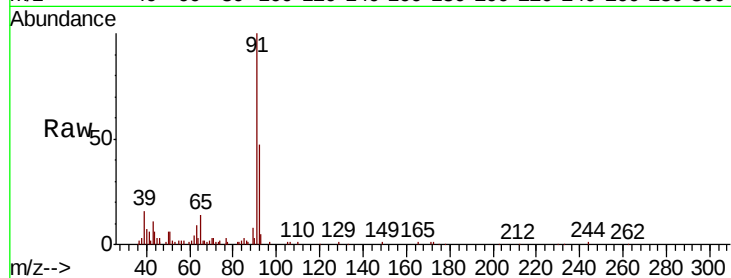
Ion Ratio Lower Upper

91 100

92 55.6 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.28 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL032488.D

Acq: 10 Sep 2018 21:24

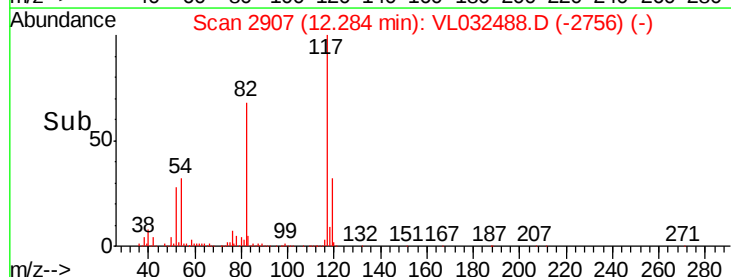
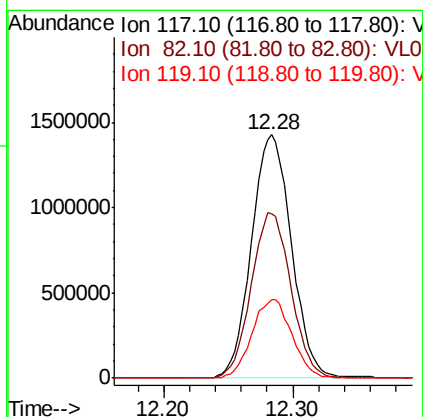
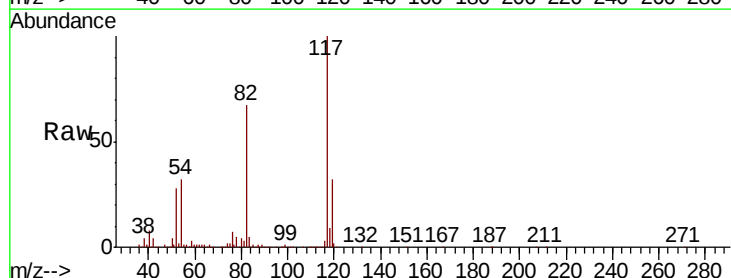
Tgt Ion: 117 Resp: 3075626

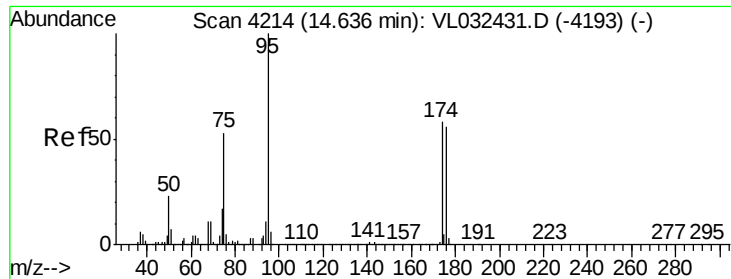
Ion Ratio Lower Upper

117 100

82 68.1 53.0 79.6

119 32.4 45.9 68.9#





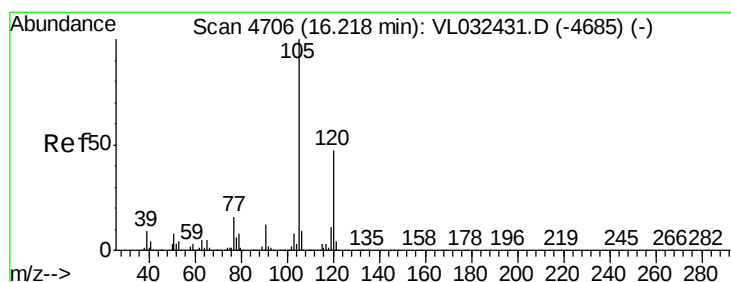
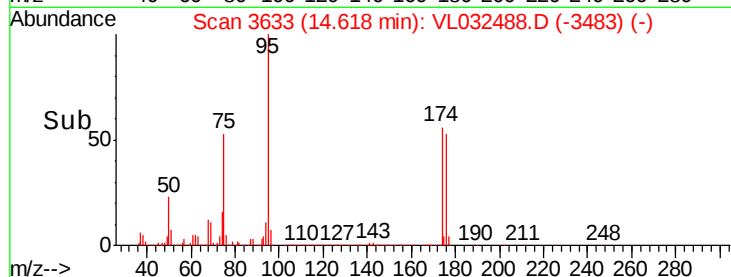
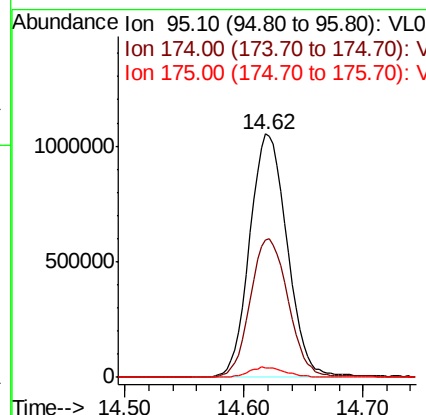
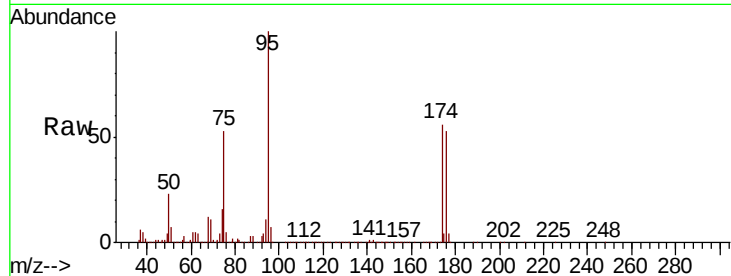
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.05 ppbv
 RT: 14.62 min Scan# 3633
 Delta R.T. -0.02 min
 Lab File: VL032488.D
 Acq: 10 Sep 2018 21:24

Instrument :
 MSVOA_L
 ClientSampleId :
 241-BERRY

Tot Ion	Ratio	Lower	Upper
95	100		
174	58.8	46.3	69.5
175	4.1	3.4	5.0

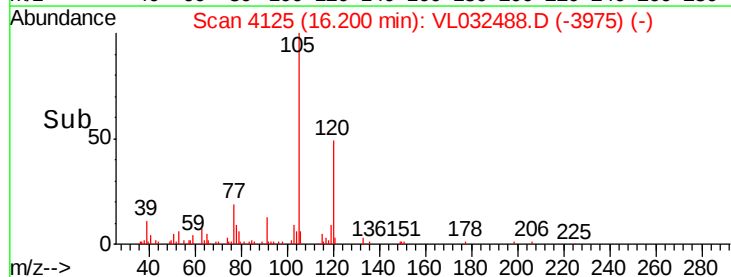
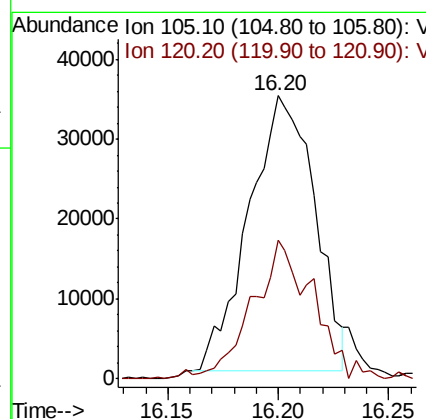
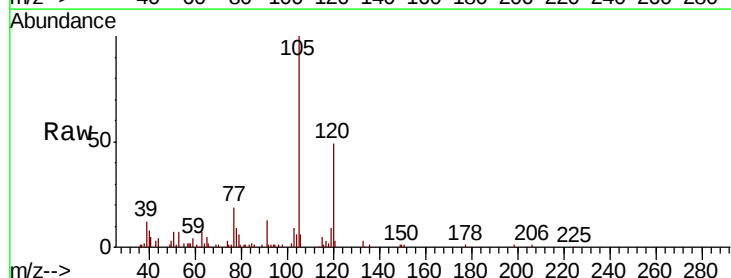
Manual Integrations
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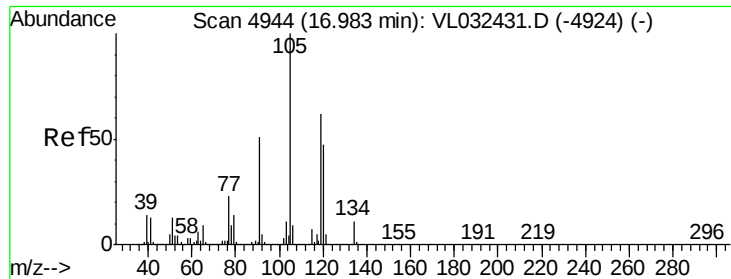
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#73
 1,3,5-Trimethylbenzene
 Concen: 0.20 ppbv
 RT: 16.20 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: VL032488.D
 Acq: 10 Sep 2018 21:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	37.9	56.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.58 ppbv
 RT: 16.97 min Scan# 4365
 Delta R.T. -0.01 min
 Lab File: VL032488.D
 Acq: 10 Sep 2018 21:24

Instrument :
 MSVOA_L
 ClientSampleId :
 241-BERRY

Tot Ion	Ratio	Resp	Lower	Upper
105	100	222312		
120	40.4		37.8	56.8
91	11.4		41.4	62.0#
77	14.9		18.6	28.0#

Manual Integrations
 APPROVED

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