

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032815.D
 Acq On : 27 Nov 2018 20:12
 Operator : SY/AP
 Sample : J6046-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01

Manual Integrations
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 11/28/2018 4:21:28 PM

Quant Time: Nov 28 15:51:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1317859	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3355503	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3043644	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.59	95	2249202	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	58829	0.31	ppbv	99
3) Chlorodifluoromethane	3.02	51	439059m	4.20	ppbv	
4) Chloromethane	3.18	50	18106	0.31	ppbv	88
9) Propene	3.05	41	692389	16.56	ppbv	97
11) Trichlorofluoromethane	4.02	101	233047	1.31	ppbv	92
13) Ethanol	3.67	45	1398941	102.15	ppbv	99
15) Acetone	3.91	43	2253054	18.72	ppbv #	68
19) Isopropyl Alcohol	4.04	45	1507792m	18.81	ppbv	
20) Methylene Chloride	4.42	84	167970	2.70	ppbv	96
26) Hexane	5.80	57	115970	0.93	ppbv #	1
32) 1,1,1-Trichloroethane	6.63	97	29670	0.12	ppbv	100
34) 2-Butanone	5.34	43	8066789	46.35	ppbv	97
35) Carbon Tetrachloride	7.14	117	21146m	0.08	ppbv	
36) Benzene	7.02	78	83058	0.31	ppbv	97
38) Trichloroethene	7.98	130	7647m	0.07	ppbv	
41) Tetrahydrofuran	6.16	42	1000442	10.02	ppbv	99
52) Tetrachloroethene	11.39	164	620153	6.67	ppbv	96
53) Toluene	9.96	91	1588440	5.70	ppbv	99
59) m/p-Xylene	13.14	91	103653m	0.32	ppbv	
60) o-Xylene	13.87	91	34046m	0.10	ppbv	

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

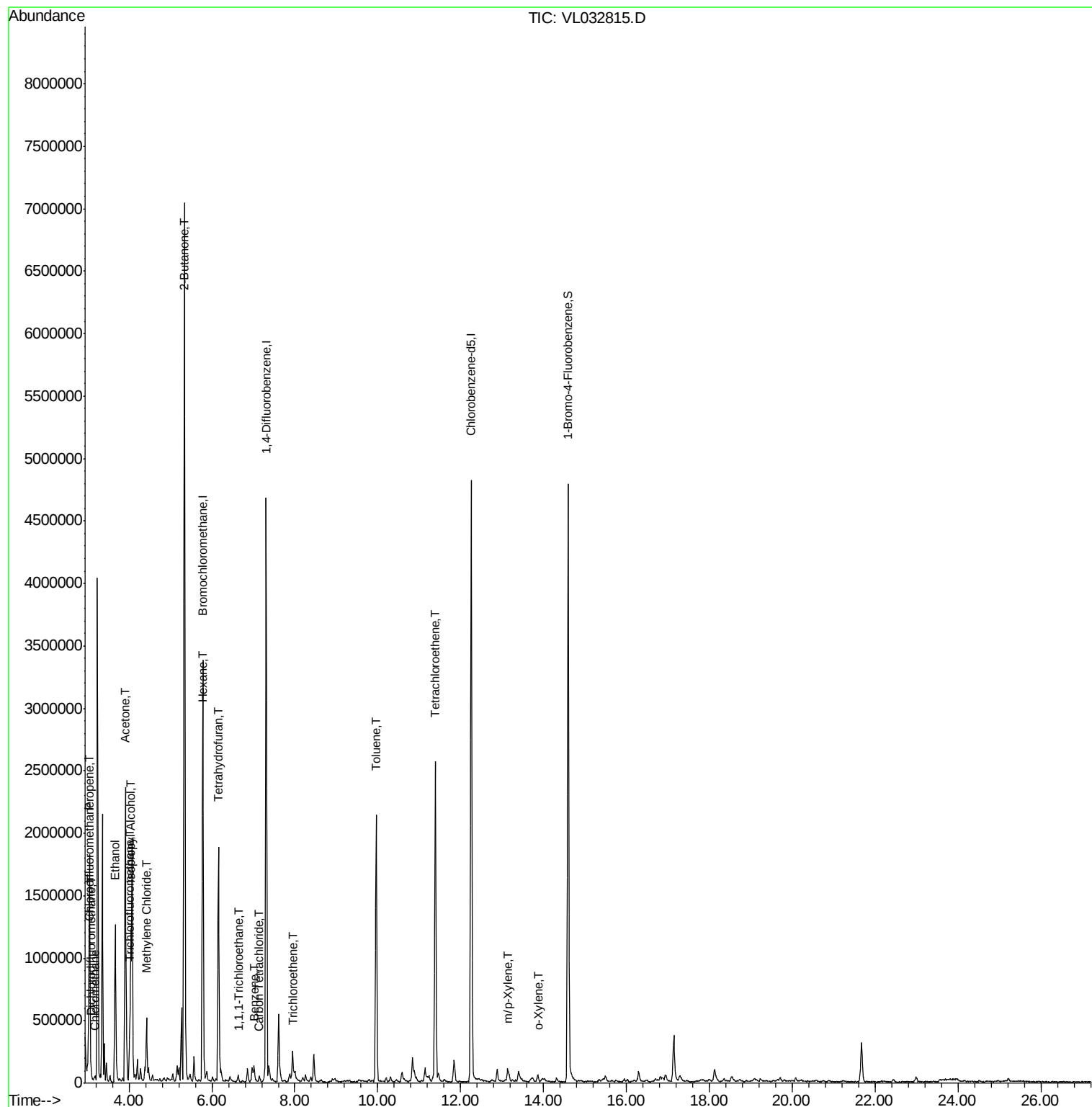
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
Data File : VL032815.D
Acq On : 27 Nov 2018 20:12
Operator : SY/AP
Sample : J6046-01
Misc : 400ml/MSVOA_L
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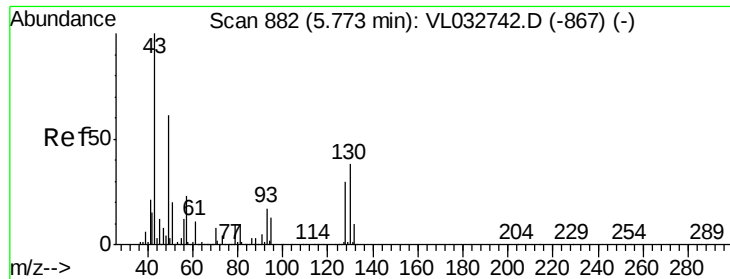
Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

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Quant Time: Nov 28 15:51:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032815.D

Acq: 27 Nov 2018 20:12

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-01

Tgt Ion: 49 Resp: 1317859

Ion Ratio Lower Upper

49 100

128 52.3 24.9 74.6

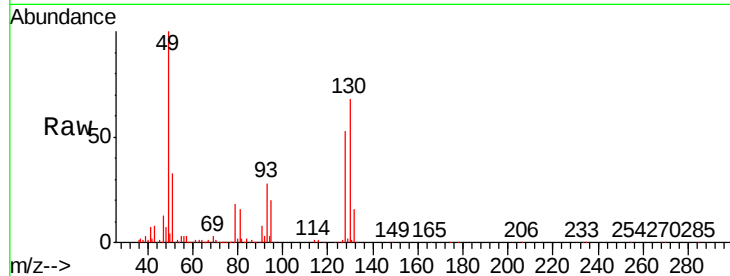
130 66.0 31.4 94.2

Manual Integrations

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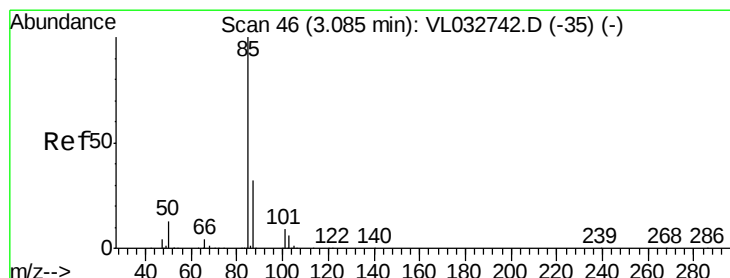
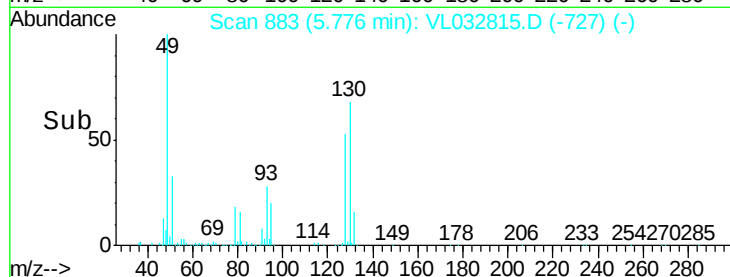
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.78

Time-->



#2

Dichlorodifluoromethane

Concen: 0.31 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032815.D

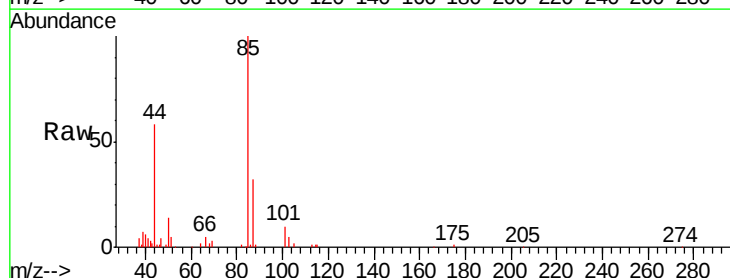
Acq: 27 Nov 2018 20:12

Tgt Ion: 85 Resp: 58829

Ion Ratio Lower Upper

85 100

87 32.1 26.0 39.0

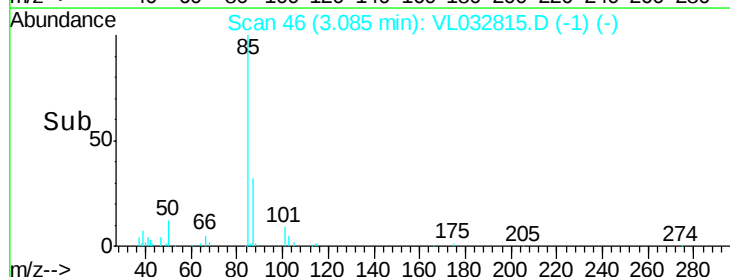


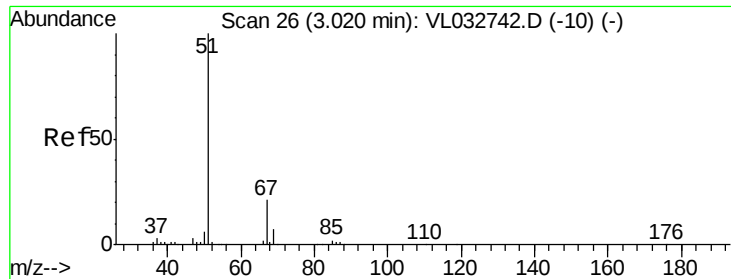
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

Time-->





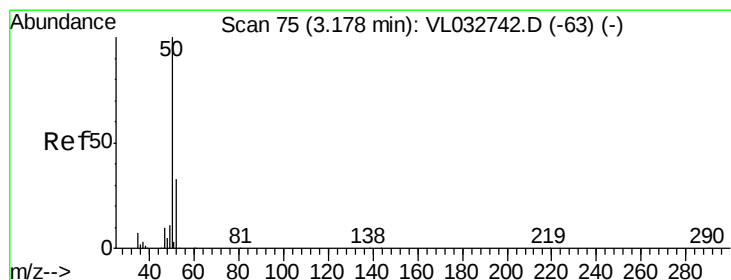
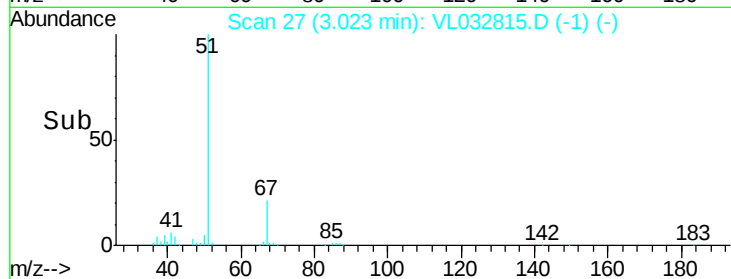
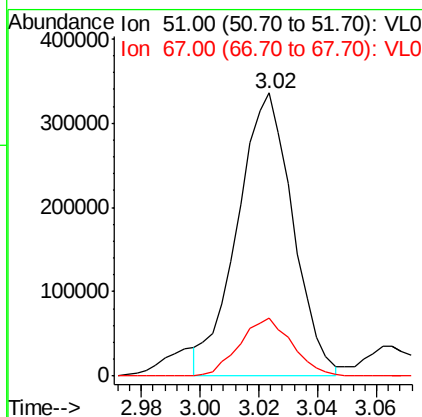
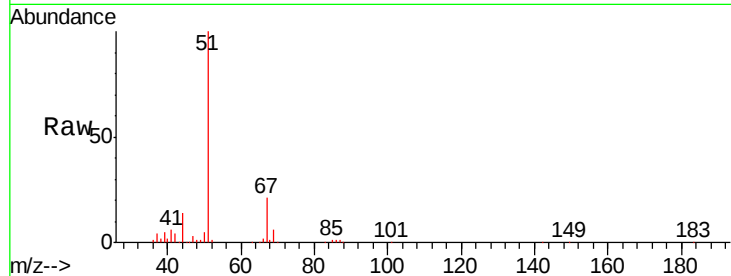
#3
Chlorodifluoromethane
Concen: 4.20 ppbv m
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 51 Resp: 439059
Ion Ratio Lower Upper
51 100
67 19.7 16.1 24.1

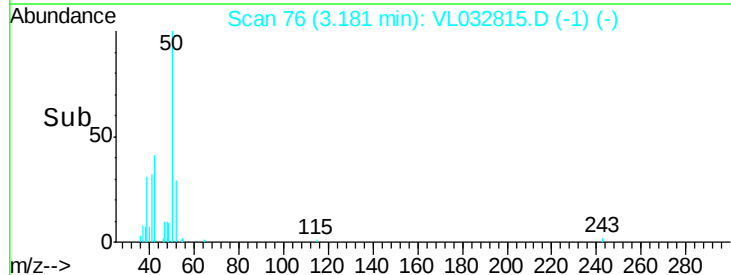
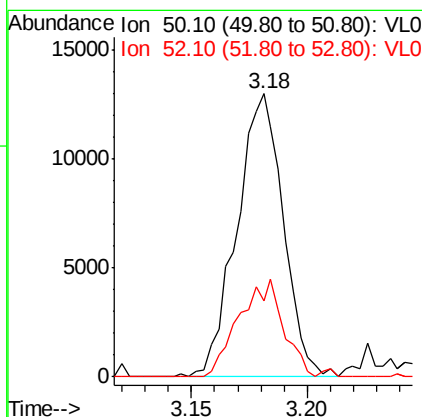
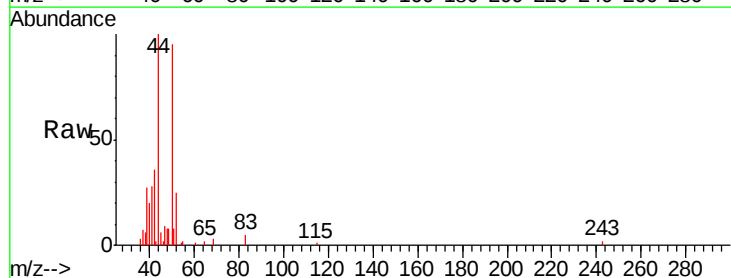
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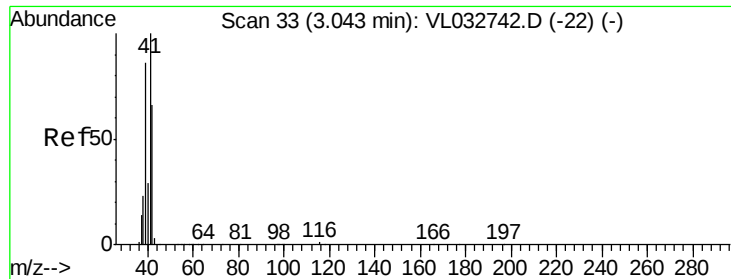
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#4
Chloromethane
Concen: 0.31 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 50 Resp: 18106
Ion Ratio Lower Upper
50 100
52 26.7 26.6 40.0





#9

Propene

Concen: 16.56 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032815.D

Acq: 27 Nov 2018 20:12

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-01

Tgt Ion: 41 Resp: 692389

Ion Ratio Lower Upper

41 100

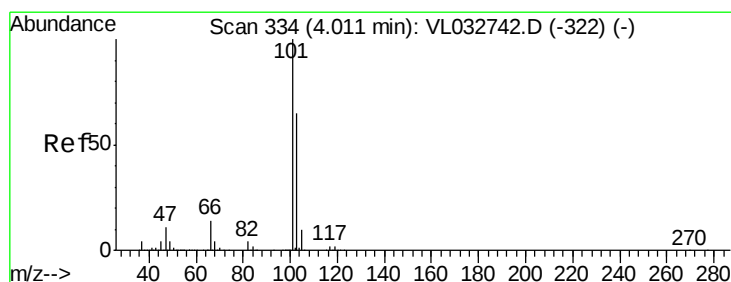
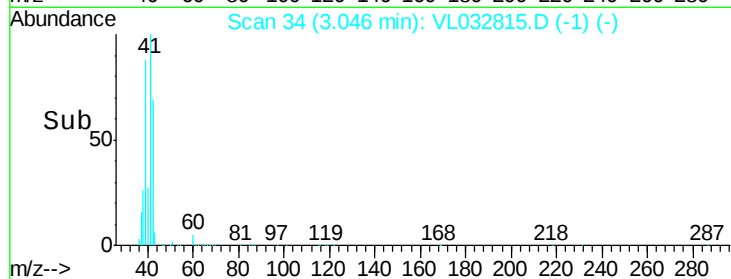
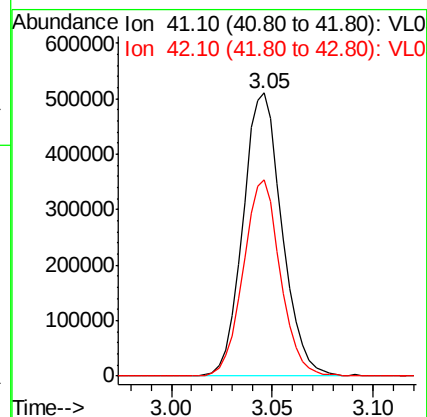
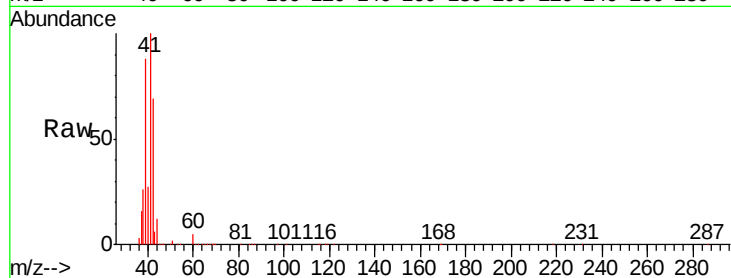
42 66.2 55.0 82.6

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 1.31 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL032815.D

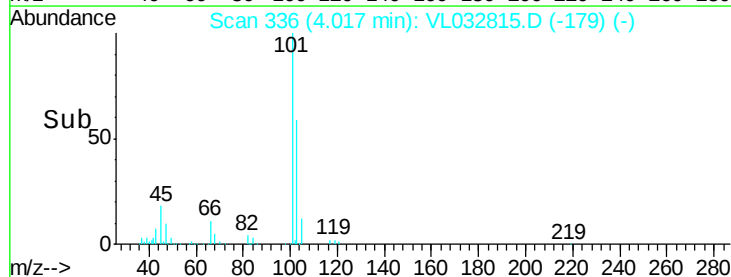
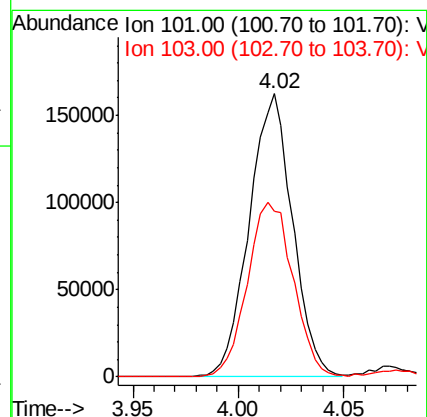
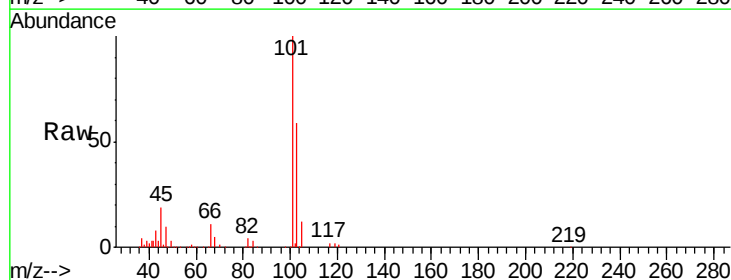
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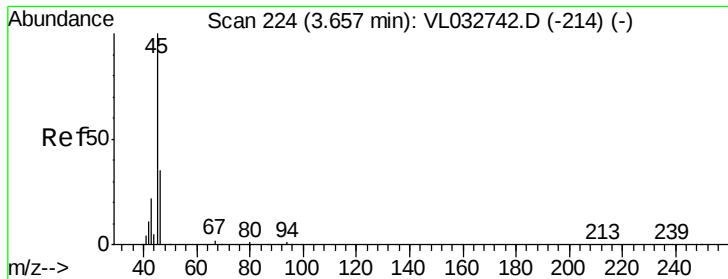
Tgt Ion: 101 Resp: 233047

Ion Ratio Lower Upper

101 100

103 58.5 51.6 77.4





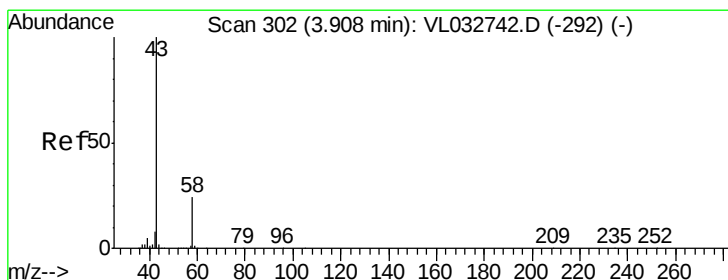
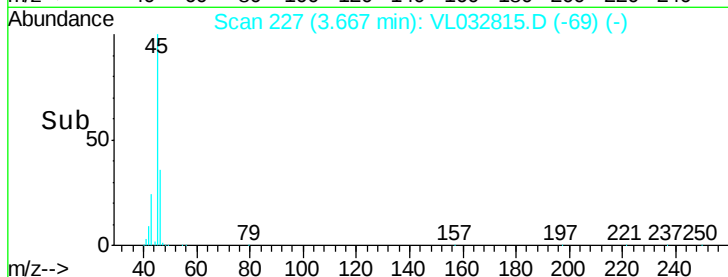
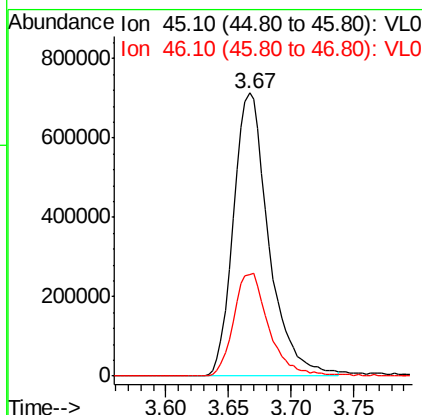
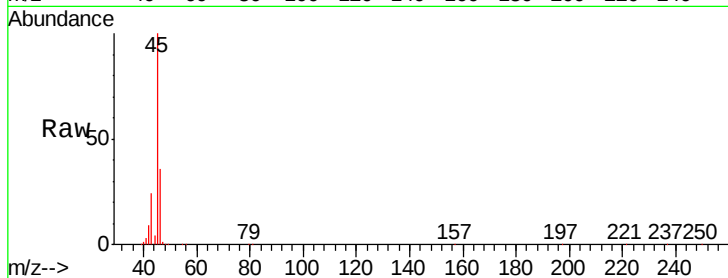
#13
Ethanol
Concen: 102.15 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 45 Resp: 1398941
Ion Ratio Lower Upper
45 100
46 36.9 14.5 57.9

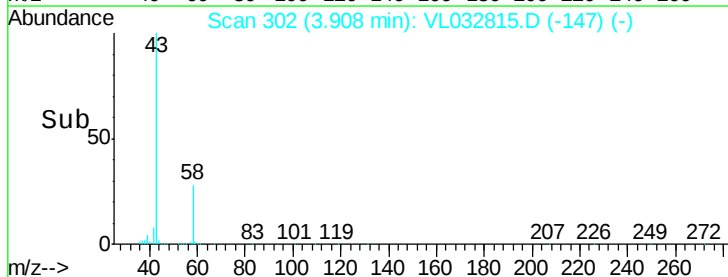
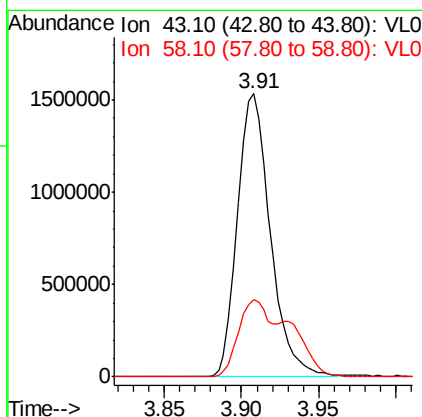
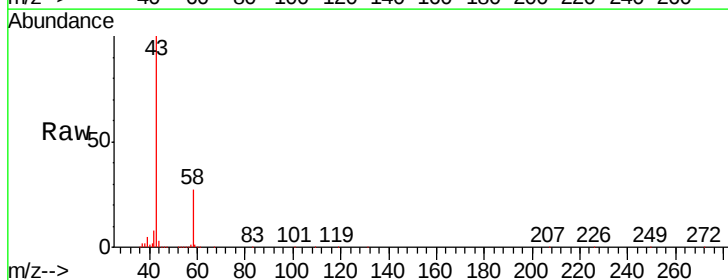
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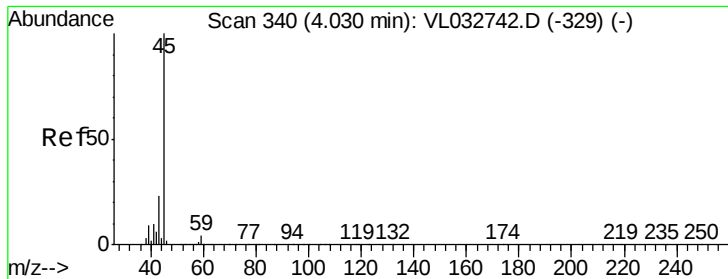
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#15
Acetone
Concen: 18.72 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 43 Resp: 2253054
Ion Ratio Lower Upper
43 100
58 43.1 21.1 31.7#





#19

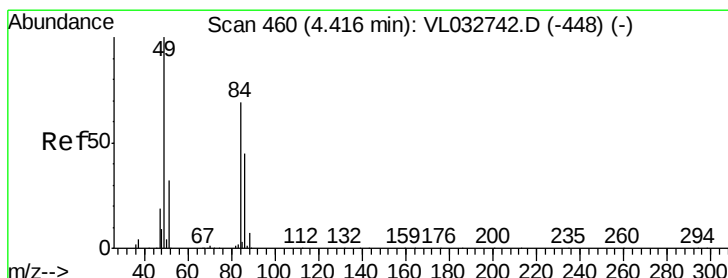
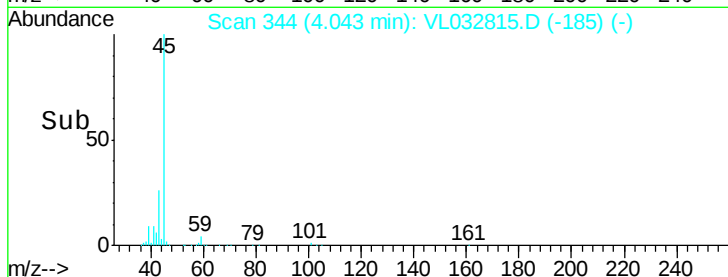
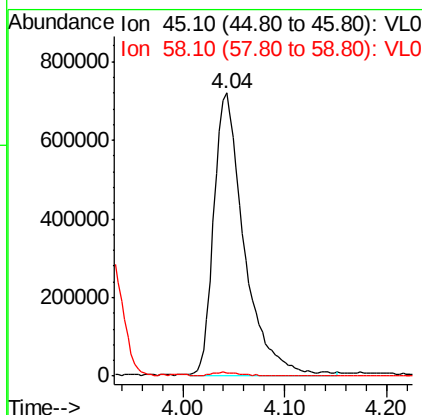
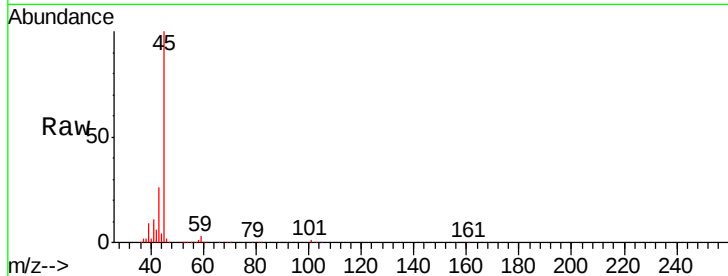
Isopropyl Alcohol
 Concen: 18.81 ppbv m
 RT: 4.04 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VL032815.D
 Acq: 27 Nov 2018 20:12

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01

Tgt Ion: 45 Resp: 1507792
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.0#

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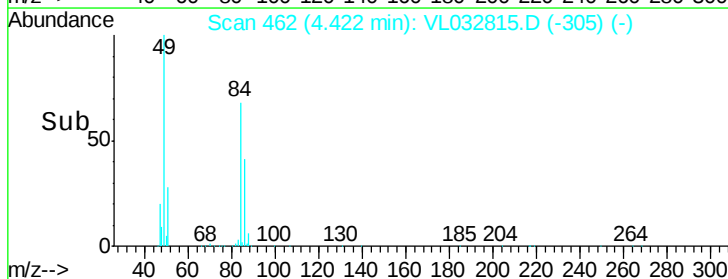
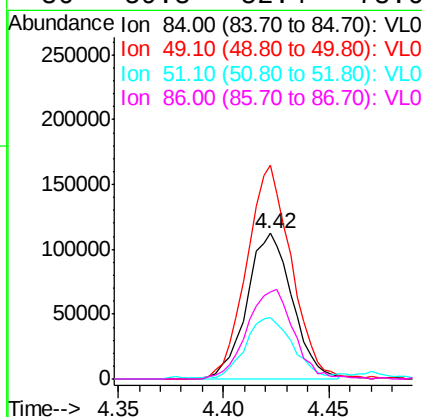
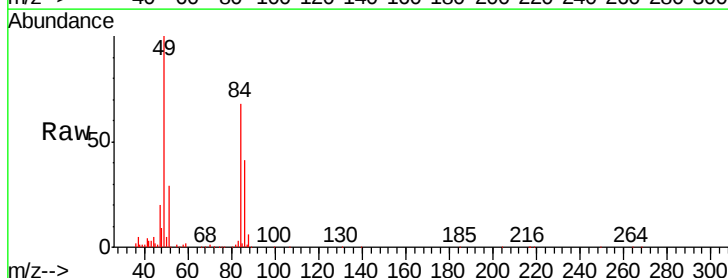
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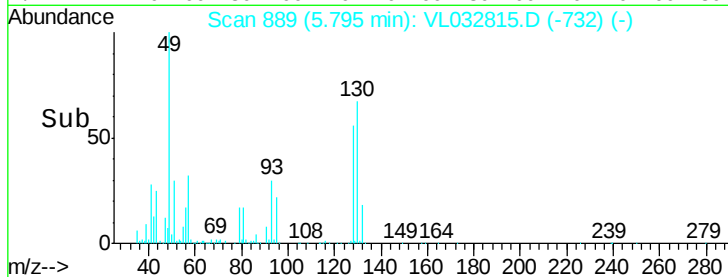
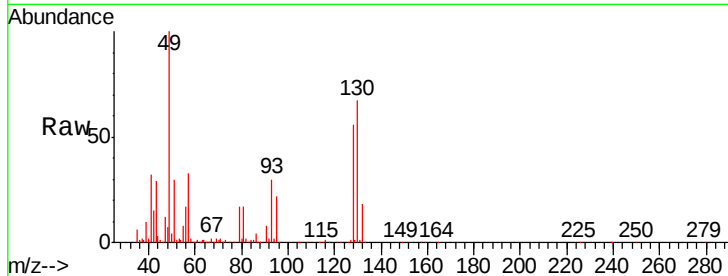
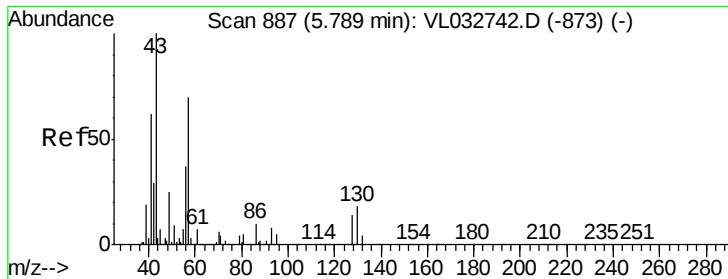


#20

Methylene Chloride
 Concen: 2.70 ppbv
 RT: 4.42 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VL032815.D
 Acq: 27 Nov 2018 20:12

Tgt Ion: 84 Resp: 167970
 Ion Ratio Lower Upper
 84 100
 49 146.6 115.8 173.6
 51 41.7 36.9 55.3
 86 59.8 52.4 78.6





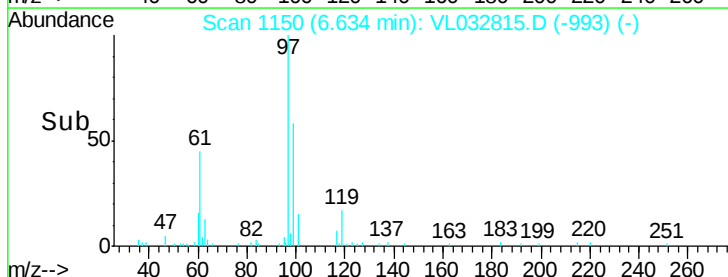
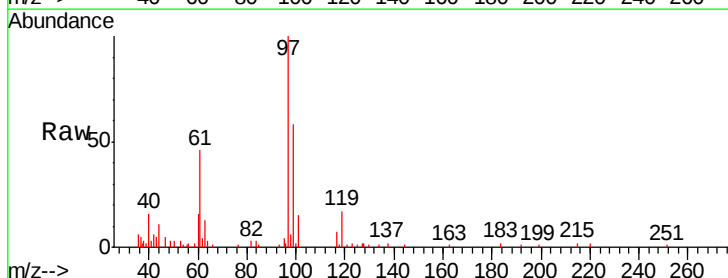
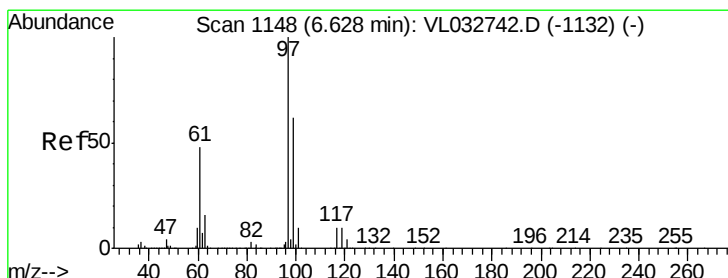
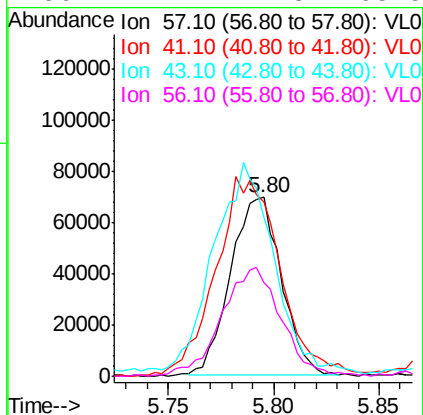
#26
Hexane
Concen: 0.93 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 57 Resp: 115970
Ion Ratio Lower Upper
57 100
41 141.1 70.3 105.5#
43 0.0 174.0 261.0#
56 71.7 42.3 63.5#

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

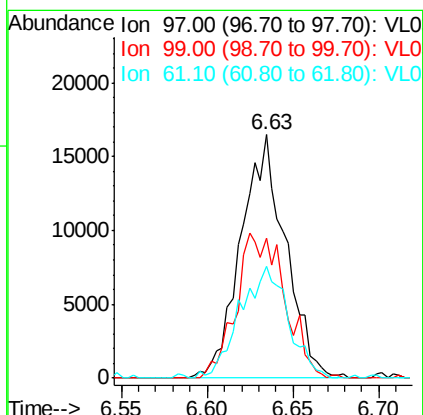
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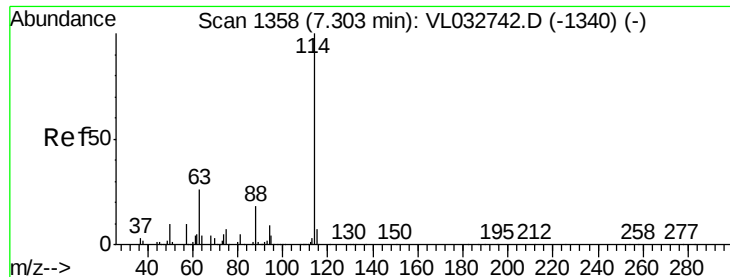
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#32
1,1,1-Trichloroethane
Concen: 0.12 ppbv
RT: 6.63 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 97 Resp: 29670
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 49.7 39.7 59.5





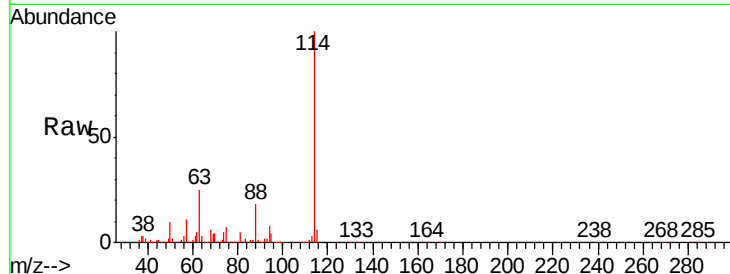
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032815.D
 Acq: 27 Nov 2018 20:12

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01

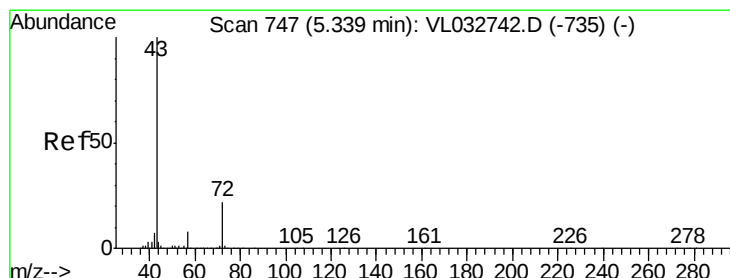
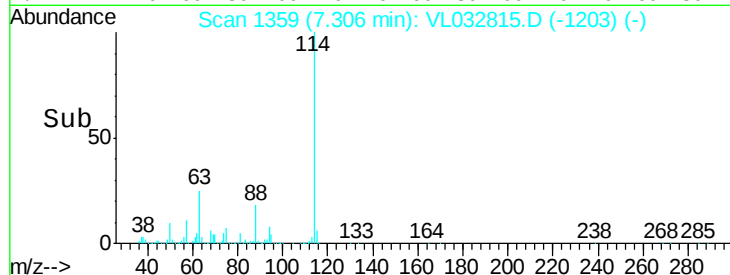
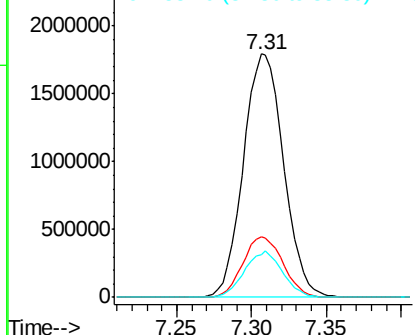
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.9	31.3
88	18.1	14.4	21.6

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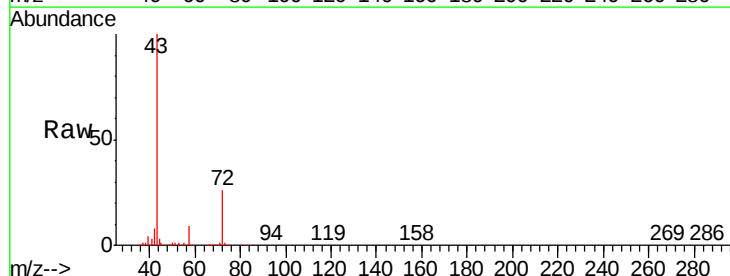


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

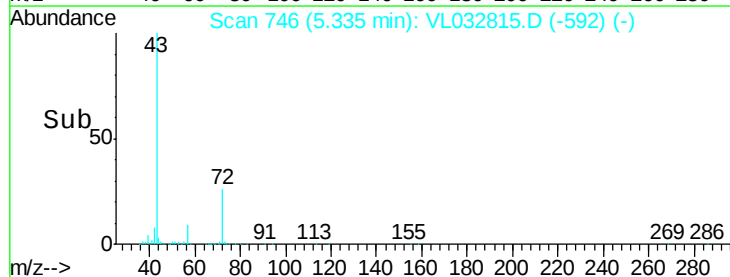
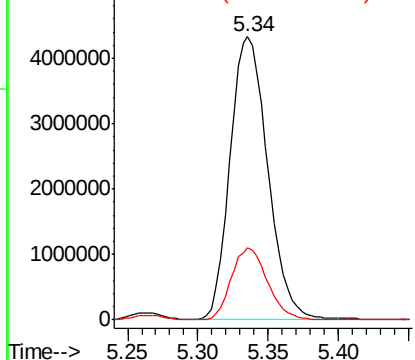


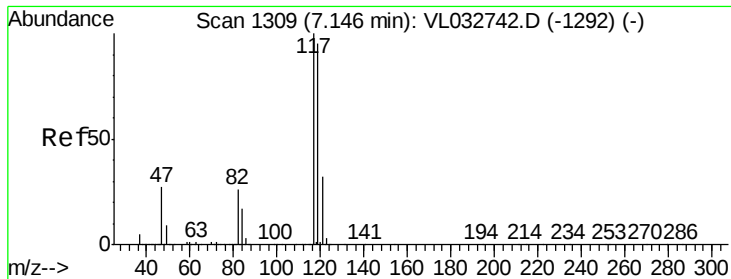
#34
 2-Butanone
 Concen: 46.35 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032815.D
 Acq: 27 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.4	27.6



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





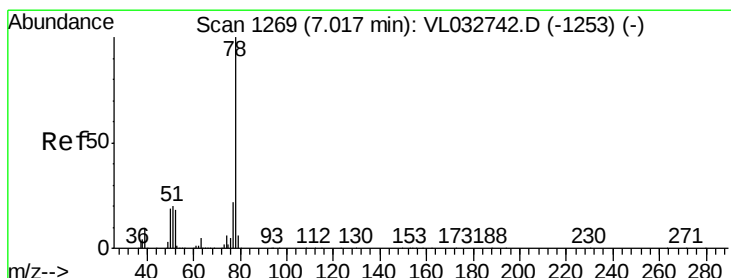
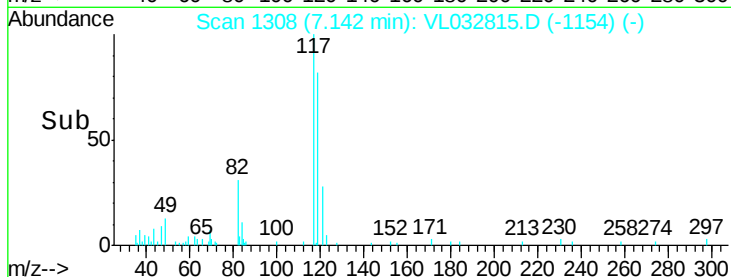
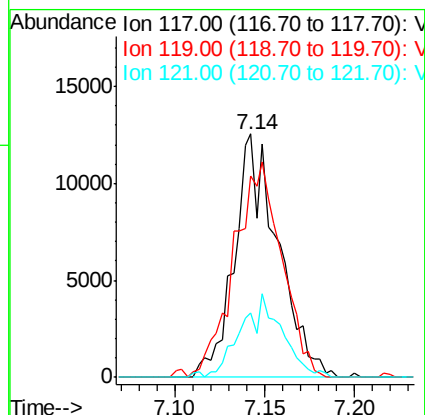
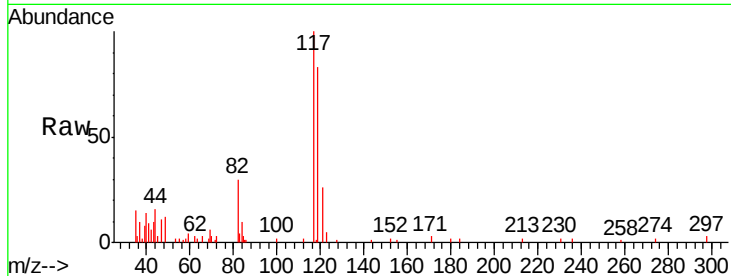
#35
Carbon Tetrachloride
Concen: 0.08 ppbv m
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.9	76.1	114.1
121	26.3	25.4	38.0

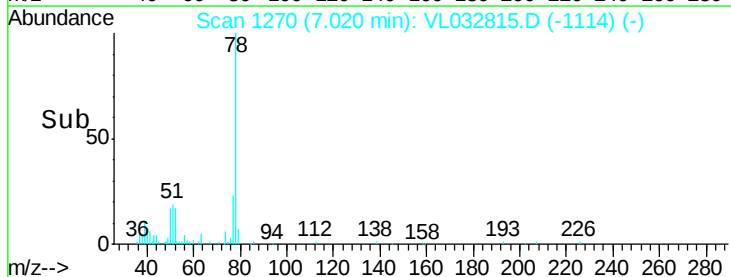
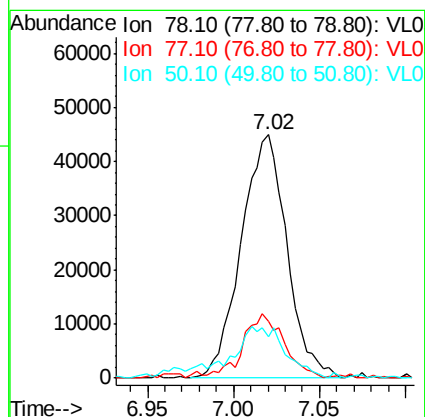
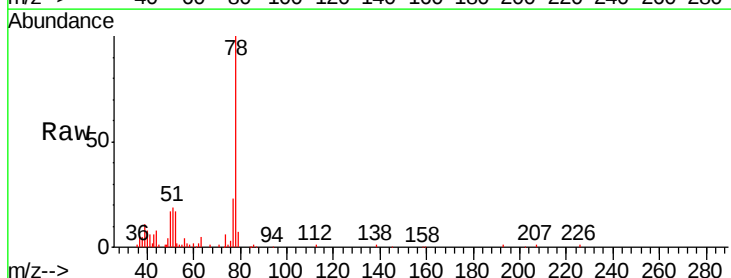
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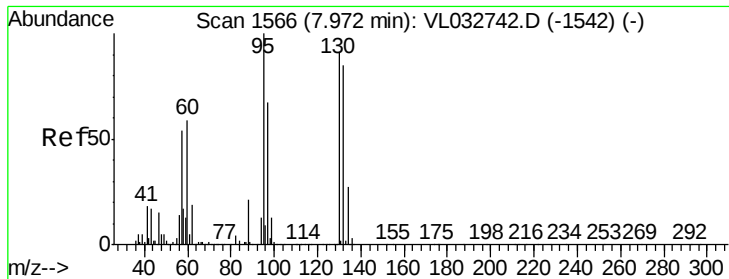
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#36
Benzene
Concen: 0.31 ppbv
RT: 7.02 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.8	26.8
50	16.3	15.4	23.0





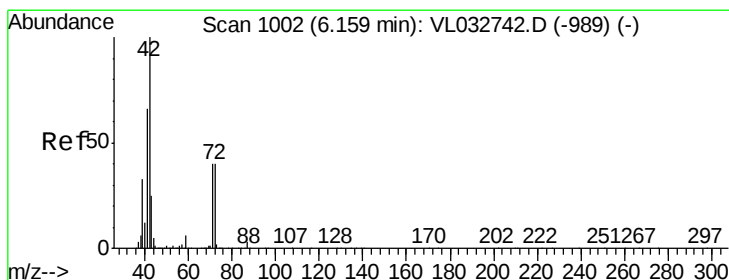
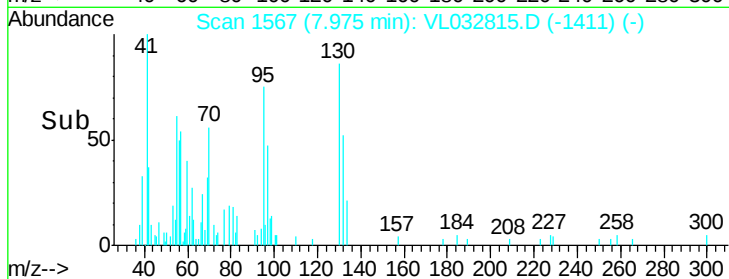
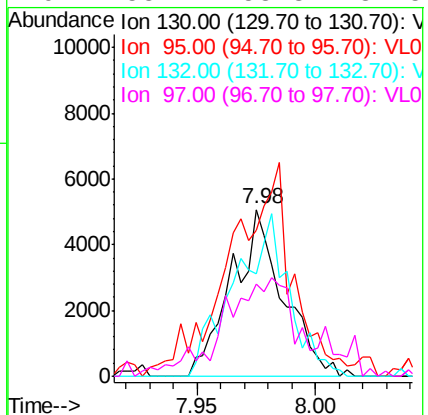
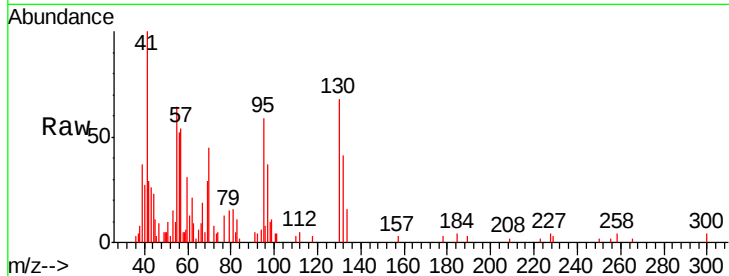
#38
 Trichloroethene
 Concen: 0.07 ppbv m
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032815.D
 Acq: 27 Nov 2018 20:12

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.1	87.7	131.5#
132	61.1	74.6	111.8#
97	55.2	58.3	87.5#

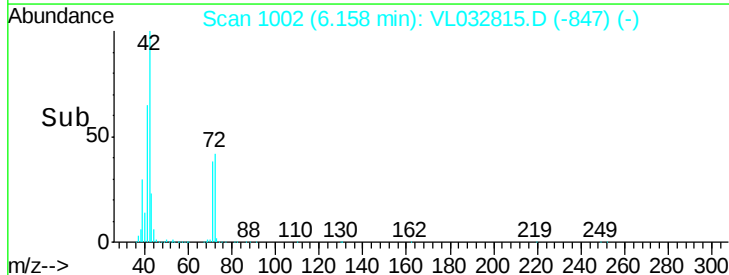
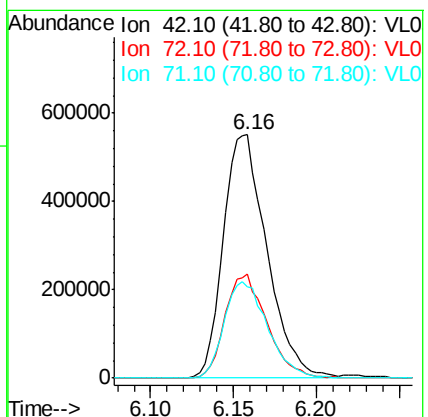
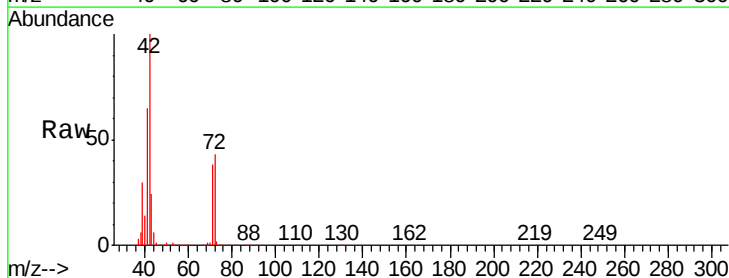
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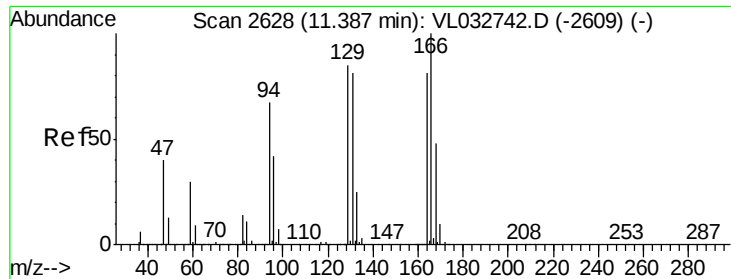
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#41
 Tetrahydrofuran
 Concen: 10.02 ppbv
 RT: 6.16 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VL032815.D
 Acq: 27 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.4	48.6
71	40.0	31.6	47.4





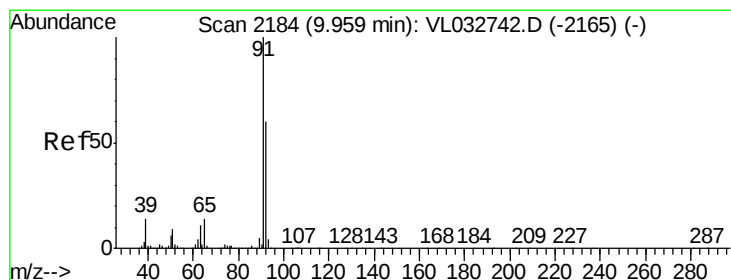
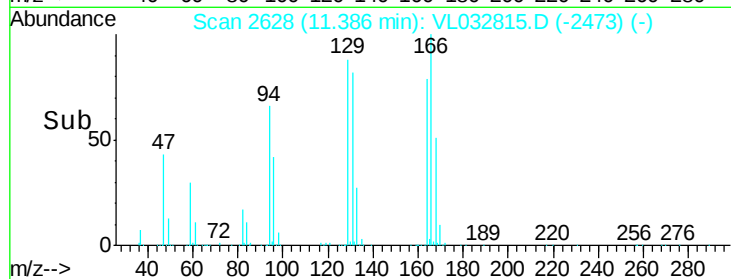
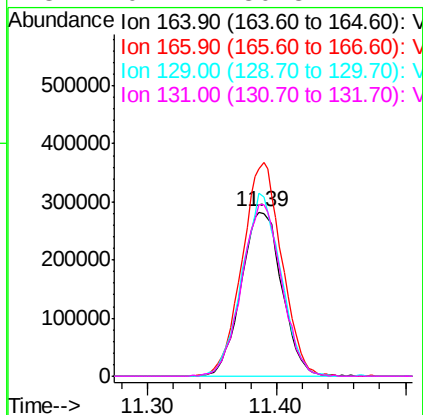
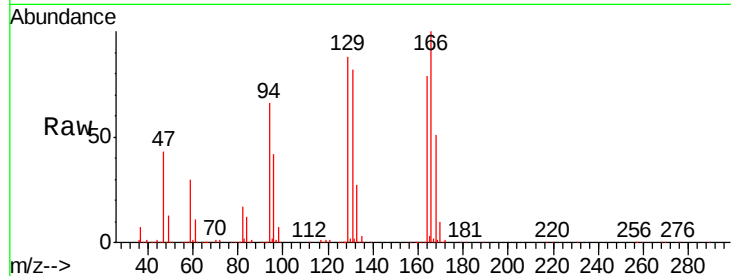
#52
Tetrachloroethene
Concen: 6.67 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	620153		
166	126.6	99.3	148.9	
129	111.2	83.9	125.9	
131	104.1	80.8	121.2	

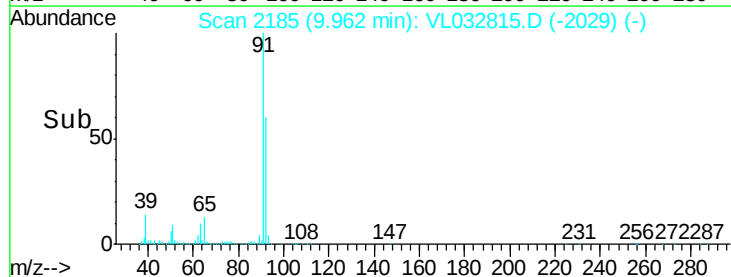
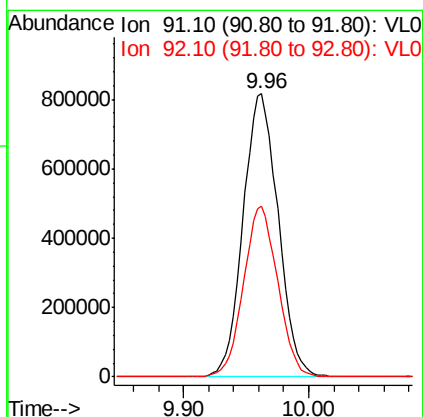
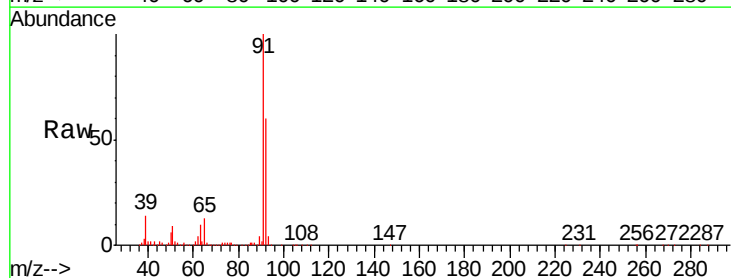
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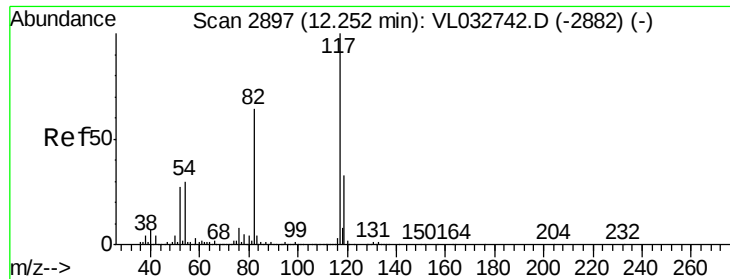
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#53
Toluene
Concen: 5.70 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1588440		
92	58.9	47.9	71.9	





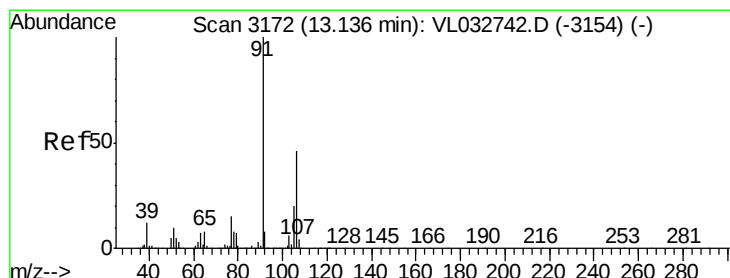
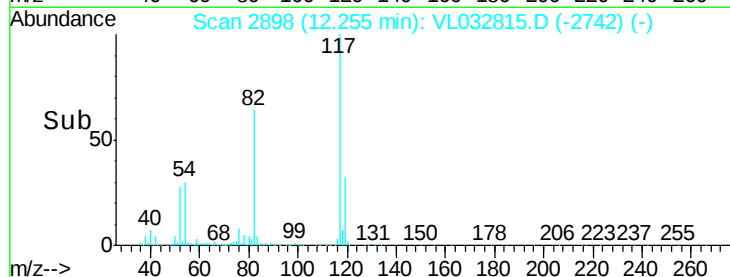
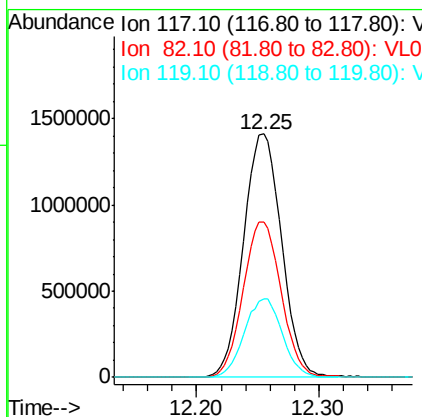
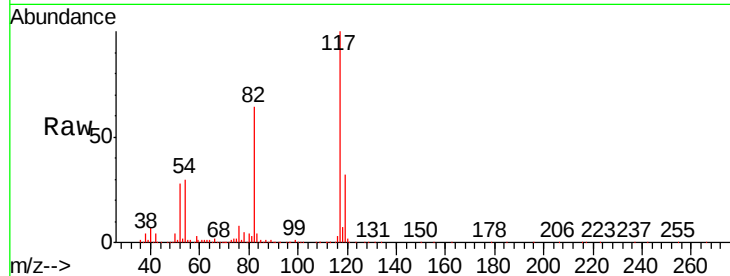
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 117 Resp: 3043644
Ion Ratio Lower Upper
117 100
82 64.1 51.0 76.6
119 32.4 28.0 42.0

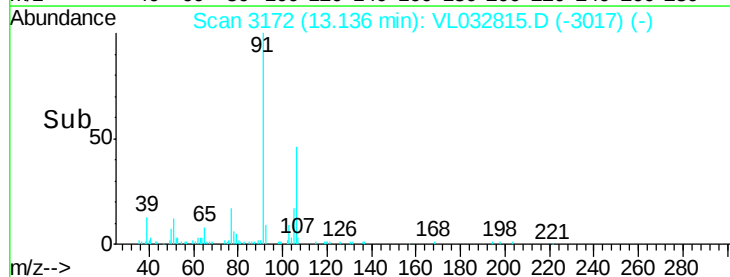
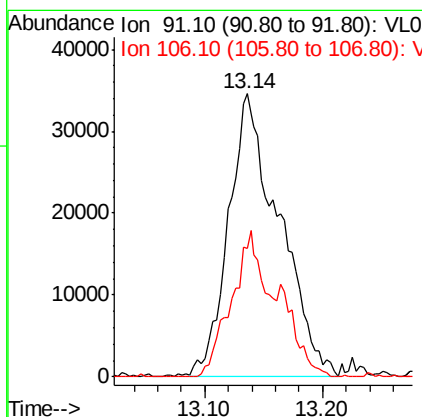
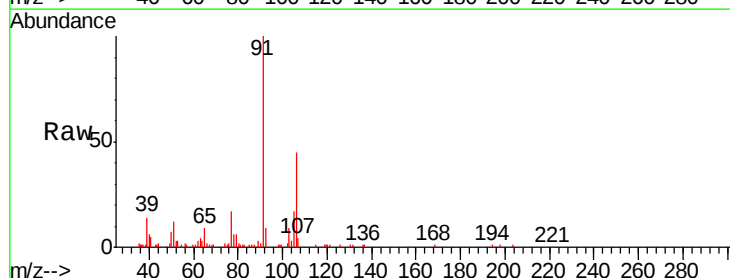
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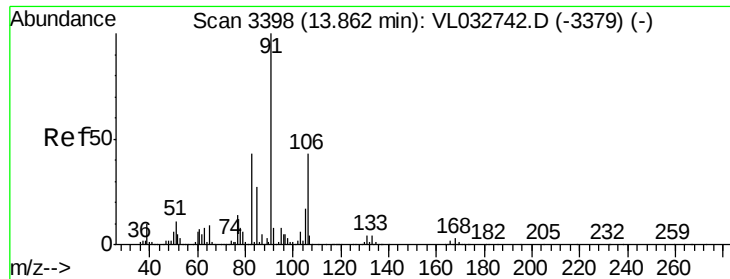
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#59
m/p-Xylene
Concen: 0.32 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 91 Resp: 103653
Ion Ratio Lower Upper
91 100
106 46.6 36.1 54.1





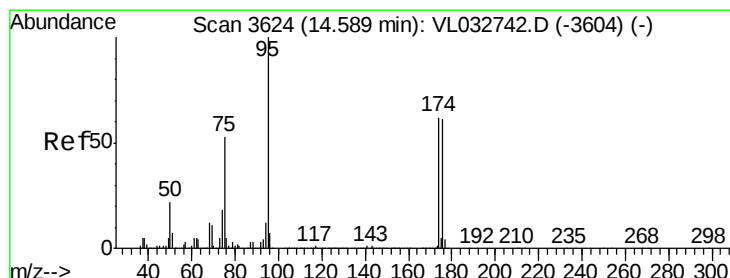
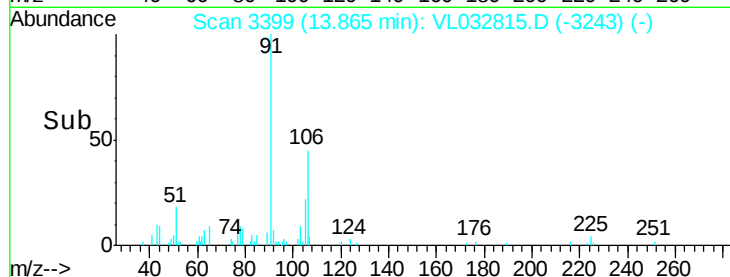
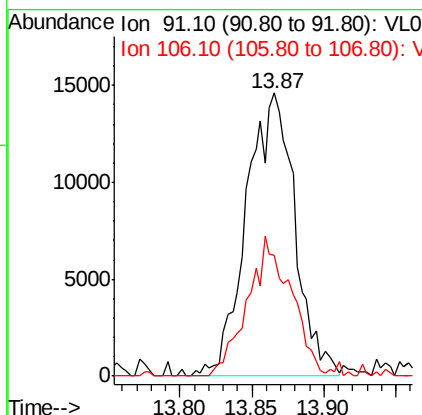
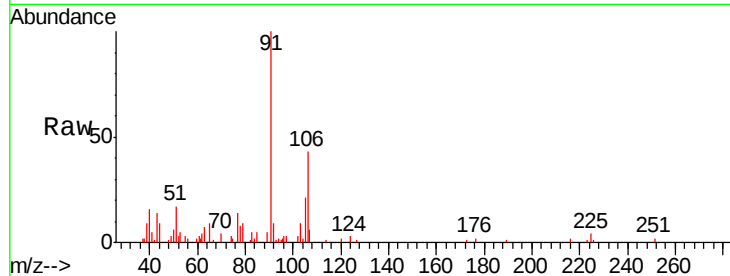
#60
o-Xylene
Concen: 0.10 ppbv m
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 91 Resp: 34046
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.7#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.88 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 95 Resp: 2249202
Ion Ratio Lower Upper
95 100
174 66.2 50.7 76.1
175 4.8 3.8 5.6

