

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032391.D
 Acq On : 17 Aug 2018 00:24
 Operator : SY/AP
 Sample : J4457-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG04-MIVIDL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 3:11:54 PM

Quant Time: Aug 20 10:09:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1840345	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3590353	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3390461	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2653196	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.08	41	37425	0.51	ppbv #	81
13) Ethanol	3.69	45	239549	12.78	ppbv	98
15) Acetone	3.95	43	633769	3.62	ppbv	95
19) Isopropyl Alcohol	4.07	45	225175	1.91	ppbv #	91
25) Ethyl Acetate	5.82	43	691792	1.85	ppbv #	91
29) Chloroform	5.90	83	88500	0.36	ppbv	98
35) Carbon Tetrachloride	7.19	117	53624	0.25	ppbv #	90
53) Toluene	10.01	91	67442	0.20	ppbv	99

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

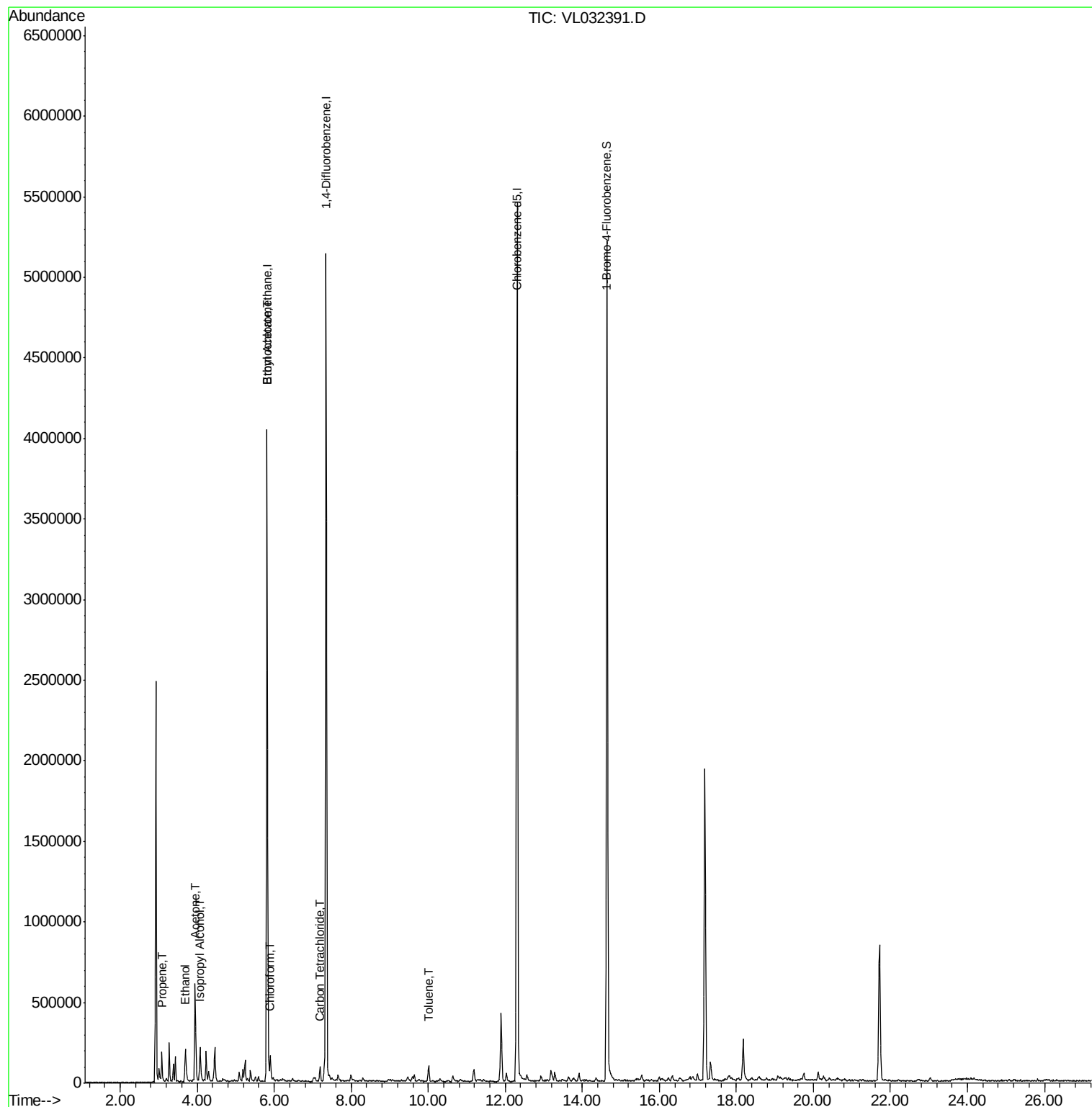
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Data File : VL032391.D
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Operator : SY/AP
Sample : J4457-09DL 10X
Misc : 400ml/MSVOA L
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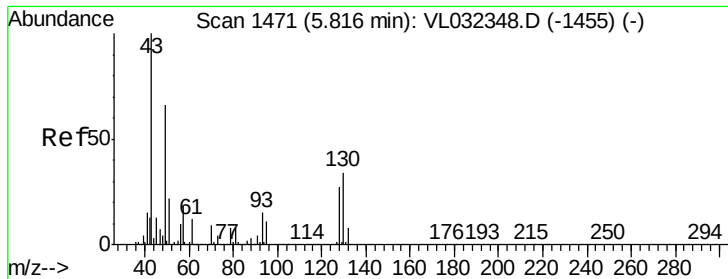
Instrument :
MSVOA_L
ClientSampleId :
SG04-MIVIDL

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Quant Time: Aug 20 10:09:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

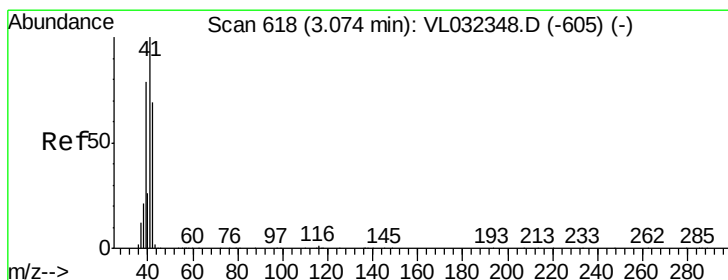
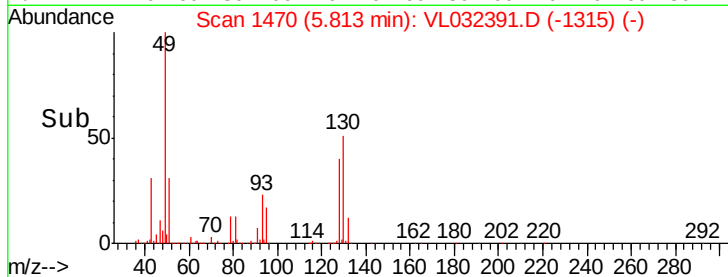
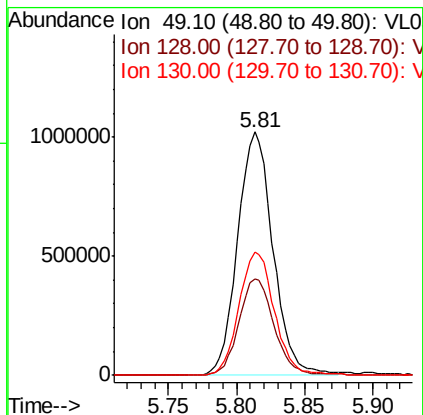
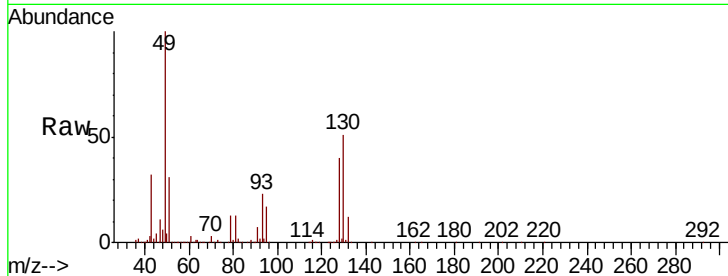
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.81 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VL032391.D
 Acq: 17 Aug 2018 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SG04-MIVIDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.0	20.5	61.6
130	51.5	26.2	78.5

Manual Integrations
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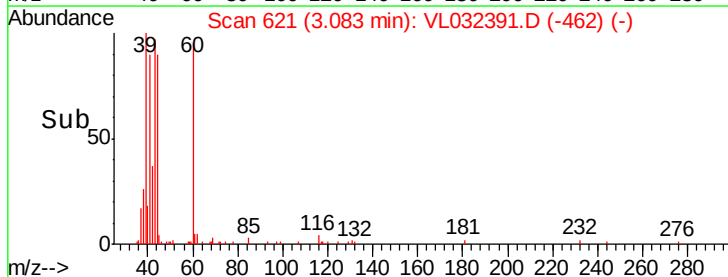
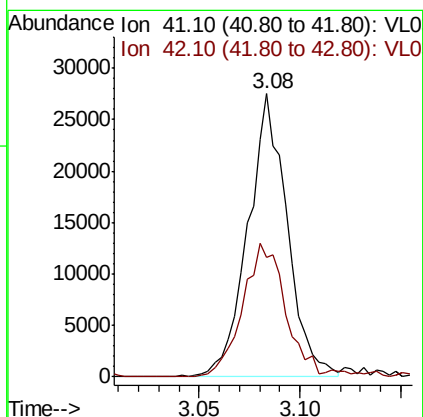
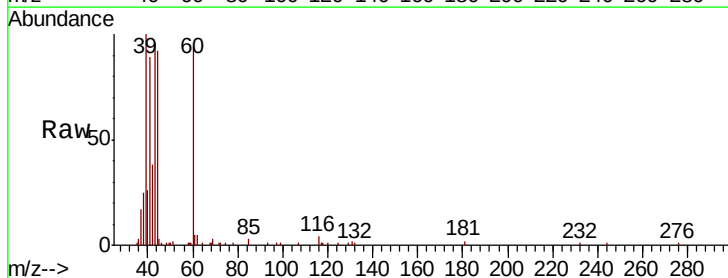
MMDadoda
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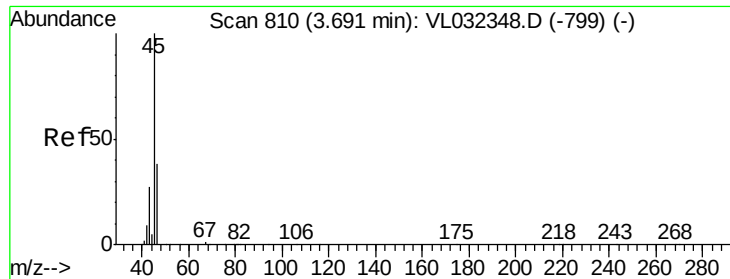


#9

Propene
 Concen: 0.51 ppbv
 RT: 3.08 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VL032391.D
 Acq: 17 Aug 2018 00:24

Tgt Ion	Ratio	Lower	Upper
41	100		
42	54.5	55.9	83.9#





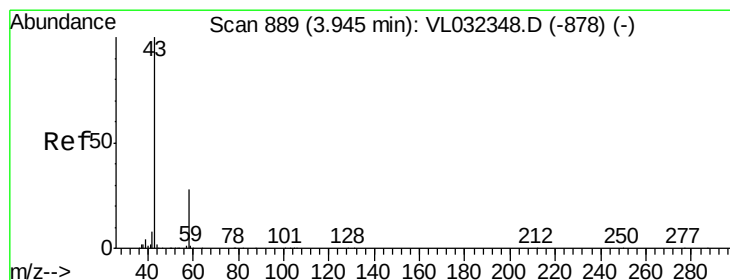
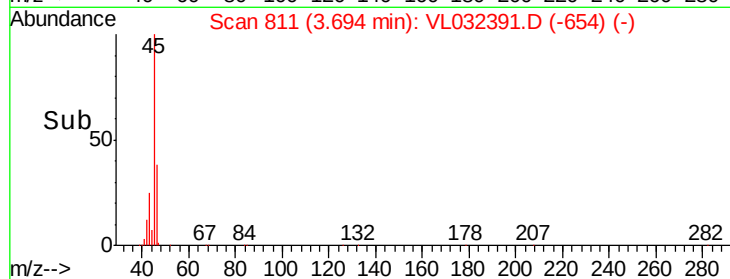
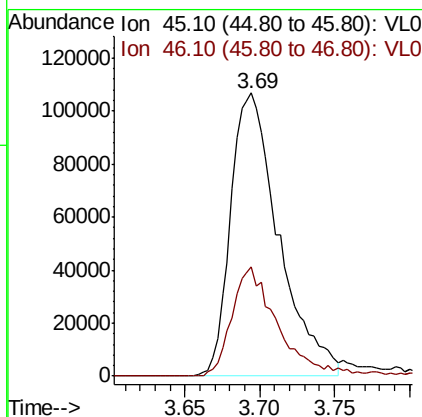
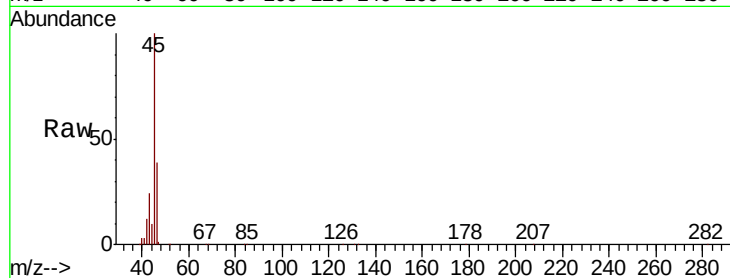
#13
Ethanol
Concen: 12.78 ppbv
RT: 3.69 min Scan# 811
Delta R.T. 0.00 min
Lab File: VL032391.D
Acq: 17 Aug 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
SG04-MIVIDL

Tot Ion	45	46	Ratio	Lower	Upper
239549	100	37.5		15.6	62.4

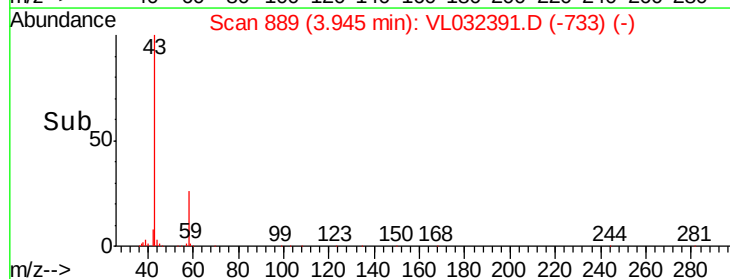
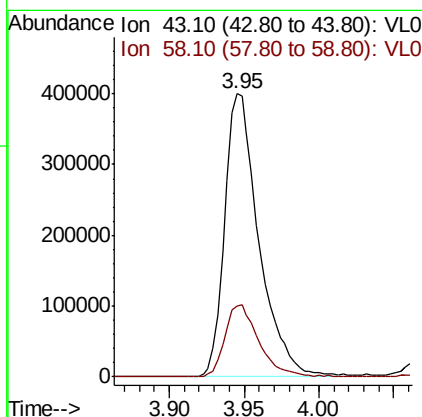
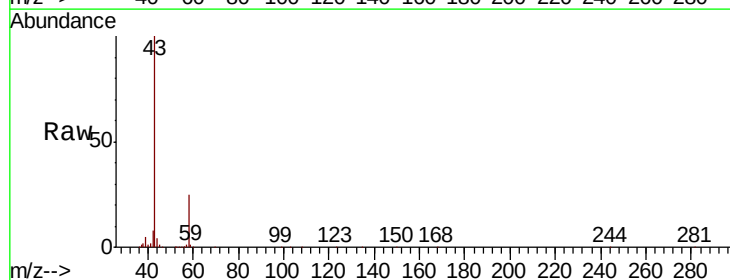
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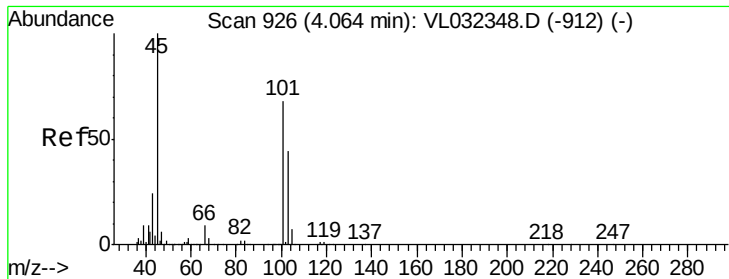
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#15
Acetone
Concen: 3.62 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032391.D
Acq: 17 Aug 2018 00:24

Tgt Ion	43	58	Ratio	Lower	Upper
633769	100	25.6		22.4	33.6





#19

Isopropyl Alcohol

Concen: 1.91 ppbv

RT: 4.07 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL032391.D

Acq: 17 Aug 2018 00:24

Instrument :

MSVOA_L

ClientSampled :

SG04-MIVIDL

Tot Ion: 45 Resp: 225175

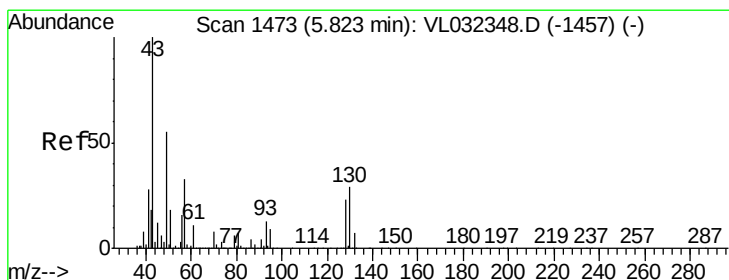
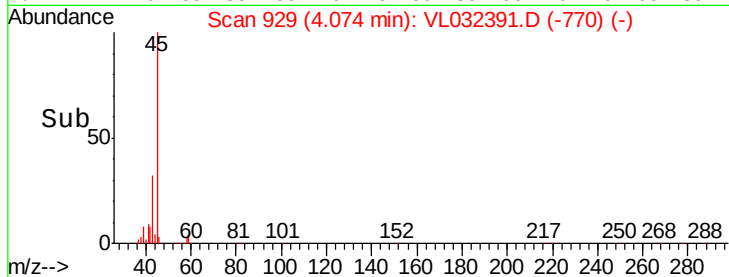
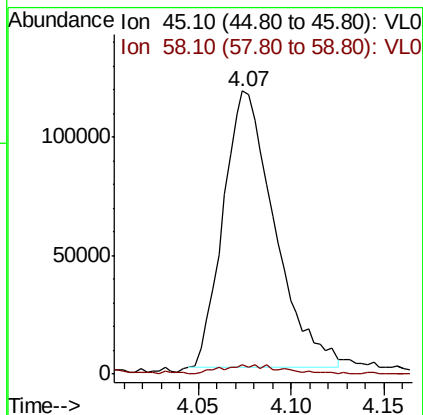
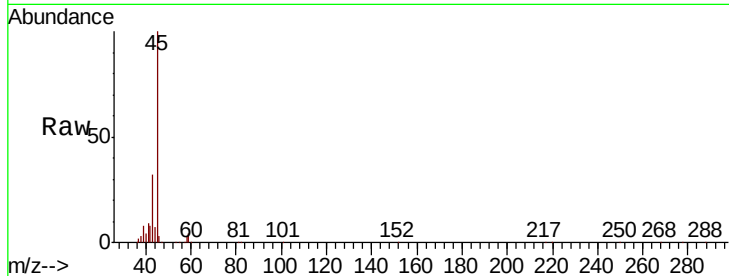
Ion Ratio Lower Upper

45 100

58 4.8 1.4 2.0#

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#25

Ethyl Acetate

Concen: 1.85 ppbv

RT: 5.82 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VL032391.D

Acq: 17 Aug 2018 00:24

Tgt Ion: 43 Resp: 691792

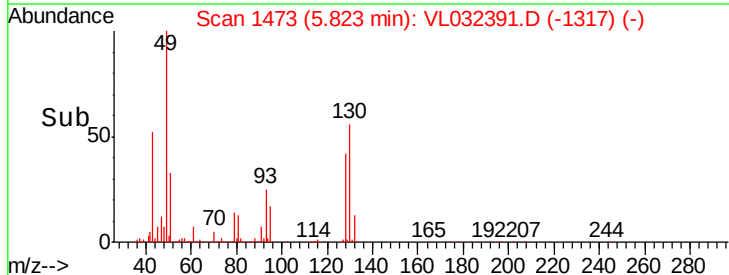
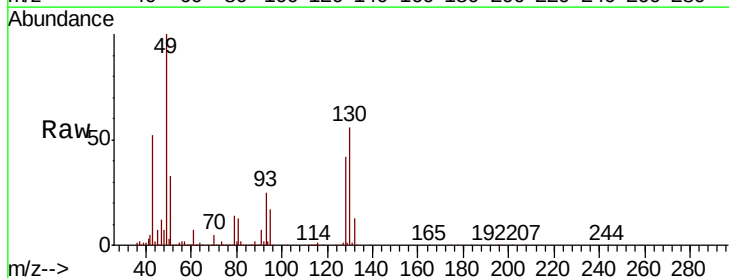
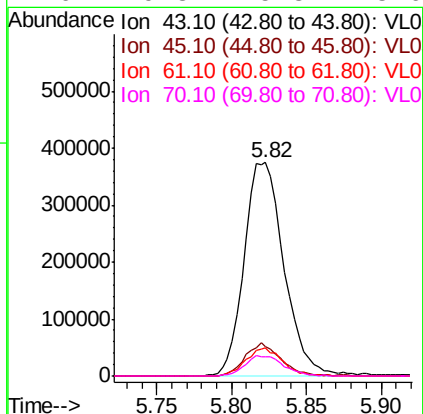
Ion Ratio Lower Upper

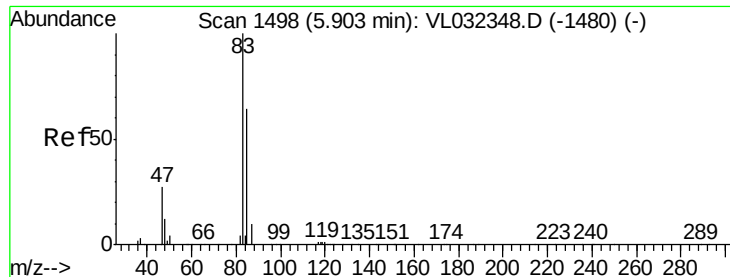
43 100

45 14.2 7.9 11.9#

61 12.2 7.4 11.2#

70 9.3 5.8 8.6#





#29

Chloroform

Concen: 0.36 ppbv

RT: 5.90 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VL032391.D

Acq: 17 Aug 2018 00:24

Instrument :

MSVOA_L

ClientSampleId :

SG04-MIVIDL

Tot Ion: 83 Resp: 88500

Ion Ratio Lower Upper

83 100

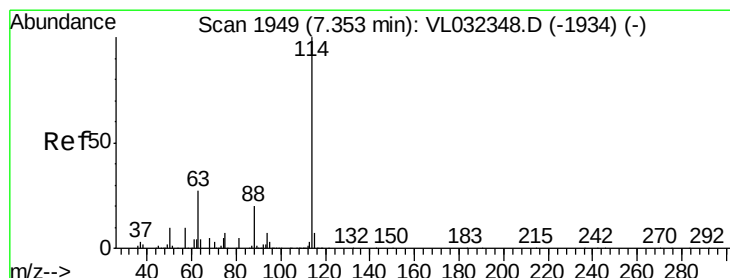
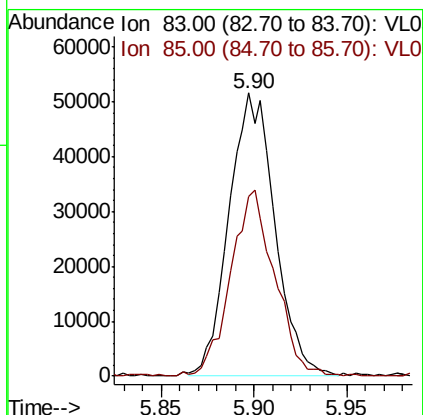
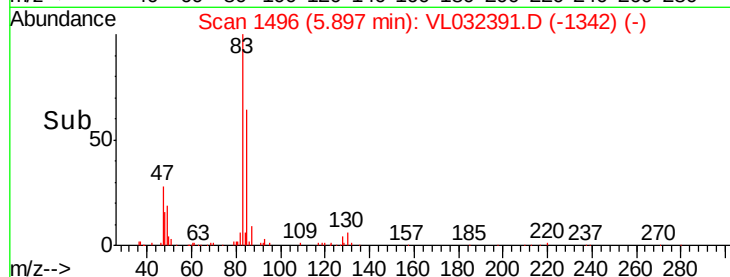
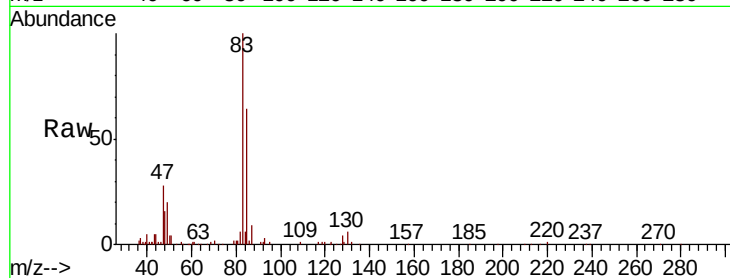
85 63.3 51.6 77.4

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.35 min Scan# 1947

Delta R.T. -0.01 min

Lab File: VL032391.D

Acq: 17 Aug 2018 00:24

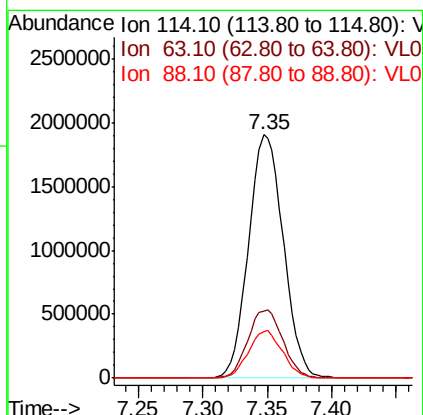
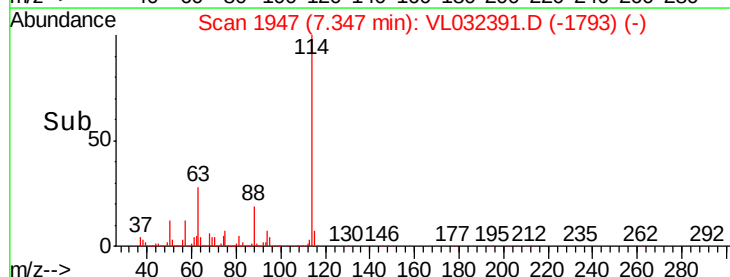
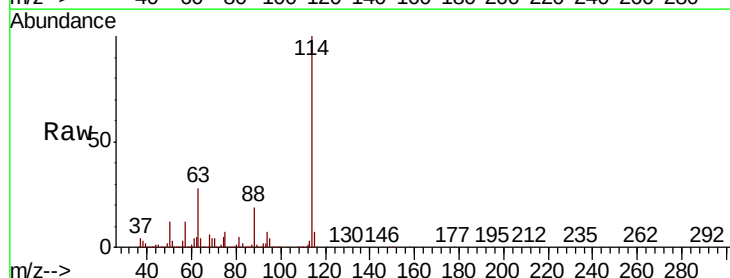
Tgt Ion: 114 Resp: 3590353

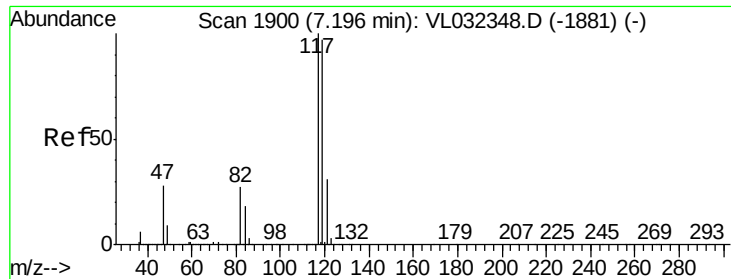
Ion Ratio Lower Upper

114 100

63 28.5 22.0 33.0

88 19.1 15.3 22.9





#35

Carbon Tetrachloride

Concen: 0.25 ppbv

RT: 7.19 min Scan# 1898

Delta R.T. -0.01 min

Lab File: VL032391.D

Acq: 17 Aug 2018 00:24

Instrument :

MSVOA_L

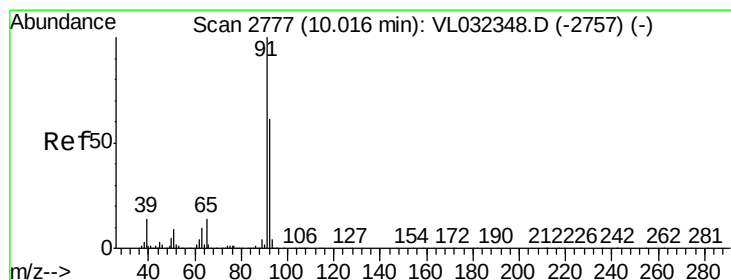
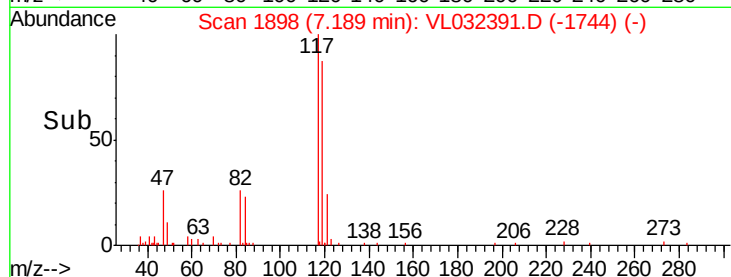
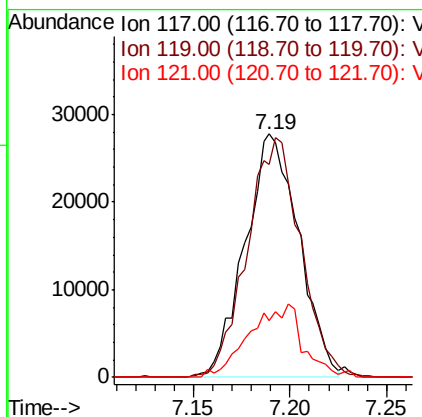
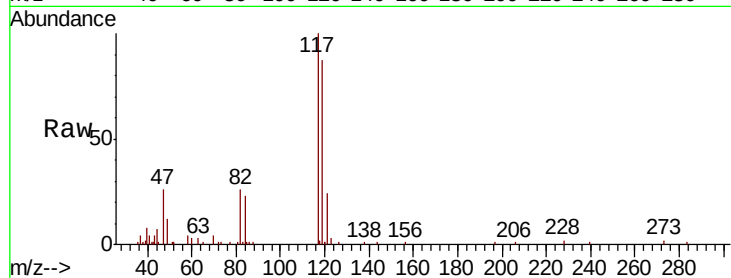
ClientSampleId :

SG04-MIVIDL

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.4	77.2	115.8
121	23.5	25.1	37.7#

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#53

Toluene

Concen: 0.20 ppbv

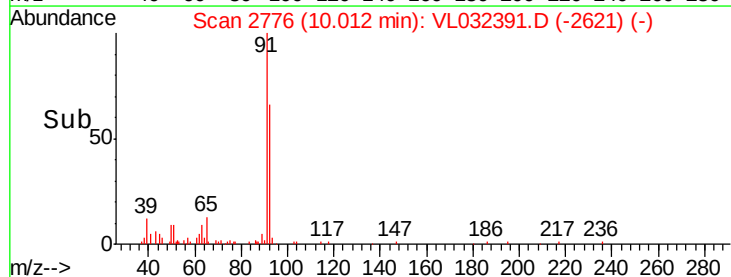
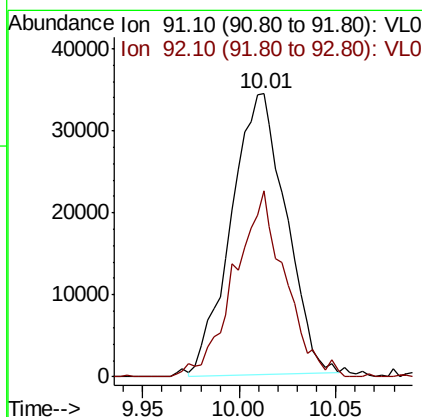
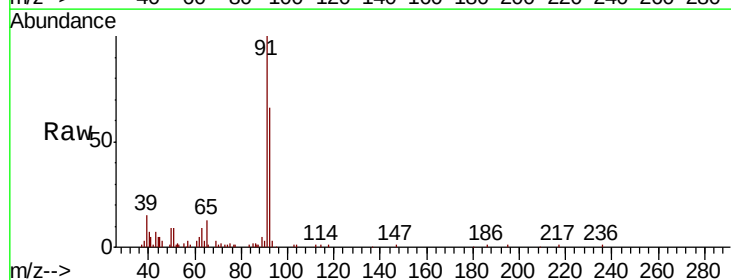
RT: 10.01 min Scan# 2776

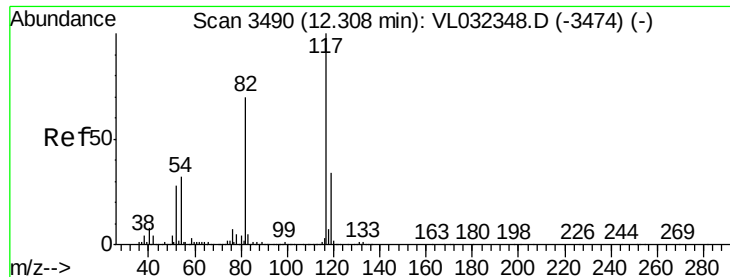
Delta R.T. -0.00 min

Lab File: VL032391.D

Acq: 17 Aug 2018 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.6	48.7	73.1





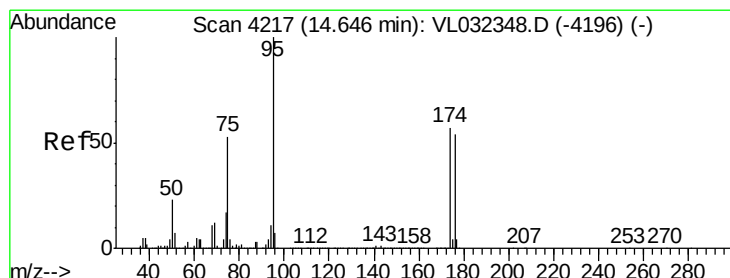
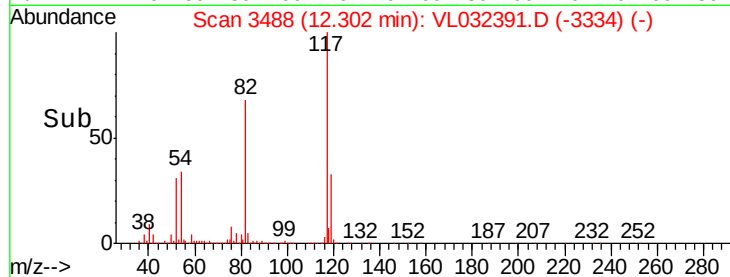
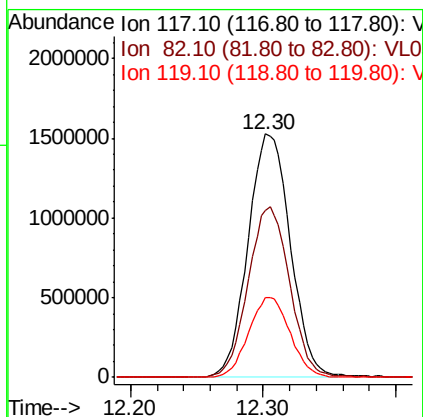
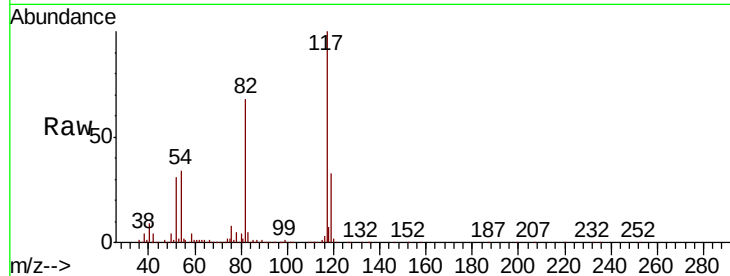
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.30 min Scan# 3488
Delta R.T. -0.01 min
Lab File: VL032391.D
Acq: 17 Aug 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
SG04-MIVIDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	55.1	82.7
119	32.5	46.0	69.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.26 ppbv
RT: 14.64 min Scan# 4216
Delta R.T. -0.00 min
Lab File: VL032391.D
Acq: 17 Aug 2018 00:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	56.9	46.2	69.4
175	4.1	3.4	5.0

