

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032342.D
 Acq On : 2 Aug 2018 3:59
 Operator : SY/AP
 Sample : J4258-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Manual Integrations
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Quant Time: Aug 02 07:20:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1809734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4542327	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4427525	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3550216	10.33	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.22	50	19570	0.18	ppbv	94
9) Propene	3.08	41	577391	7.10	ppbv	95
13) Ethanol	3.70	45	142404m	6.09	ppbv	
15) Acetone	3.95	43	10310851	60.45	ppbv #	85
26) Hexane	5.84	57	62047	0.36	ppbv #	1
27) Carbon Disulfide	4.68	76	63484	0.40	ppbv #	83
30) Cyclohexane	7.31	84	43078m	0.32	ppbv	
34) 2-Butanone	5.39	43	6214653	21.14	ppbv	98
36) Benzene	7.08	78	123427	0.31	ppbv	94
44) 2,2,4-Trimethylpentane	8.07	57	127286	0.15	ppbv #	40
51) 2-Hexanone	10.35	43	564938	1.43	ppbv	97
53) Toluene	10.02	91	47761m	0.10	ppbv	

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

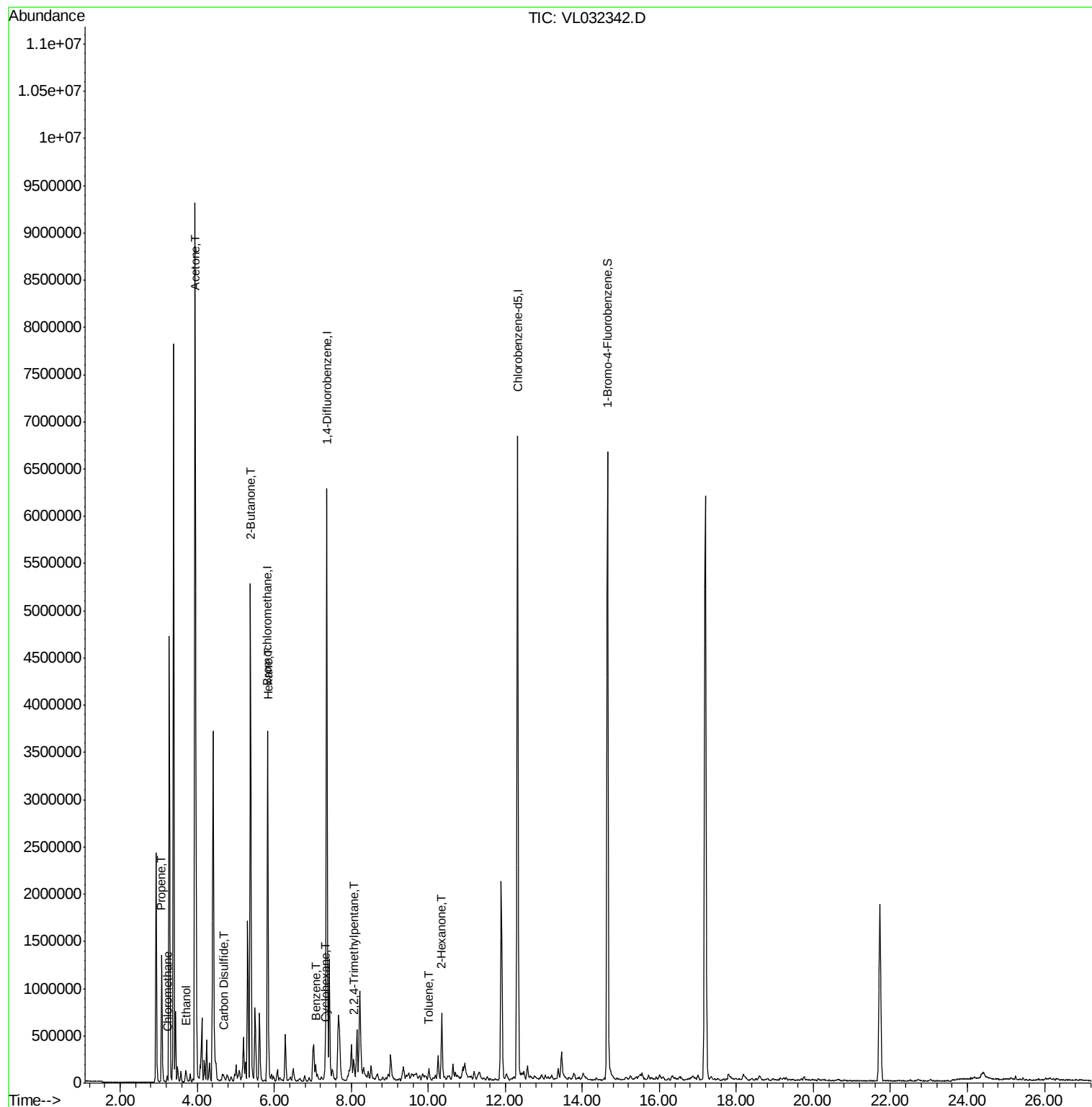
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080118\
Data File : VL032342.D
Acq On : 2 Aug 2018 3:59
Operator : SY/AP
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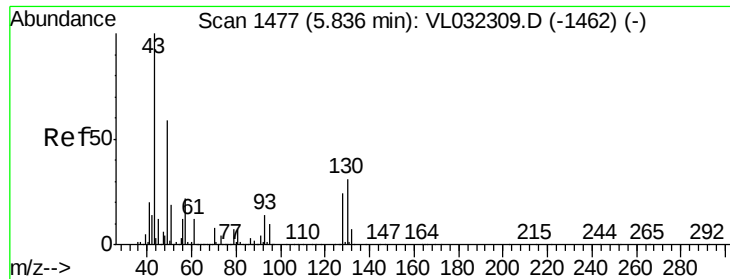
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

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Quant Time: Aug 02 07:20:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

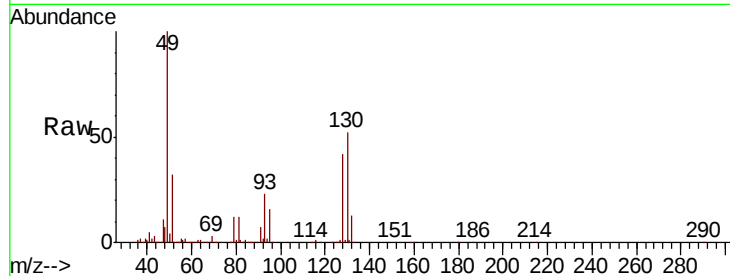
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VL032342.D
Acq: 2 Aug 2018 3:59

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

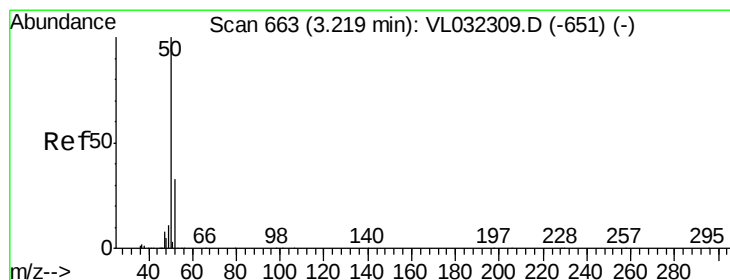
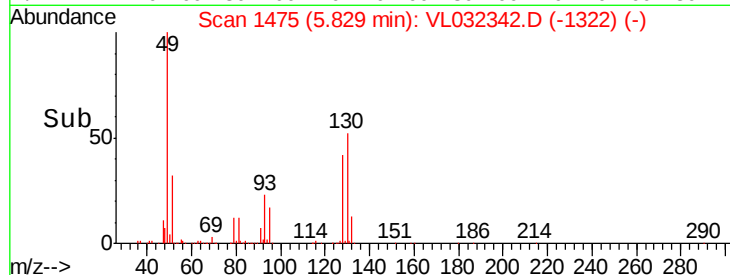
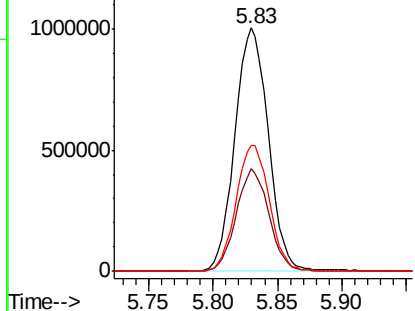
Tot Ion	Ratio	Lower	Upper
49	100		
128	41.3	20.2	60.6
130	52.0	25.8	77.3

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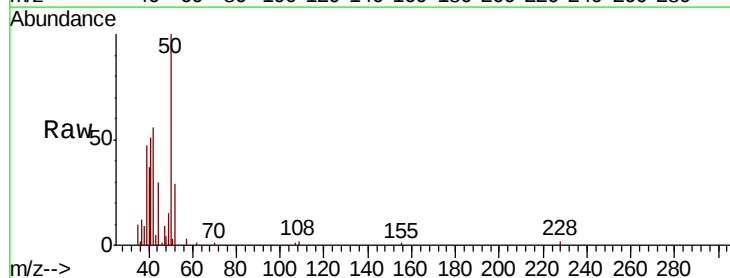
Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



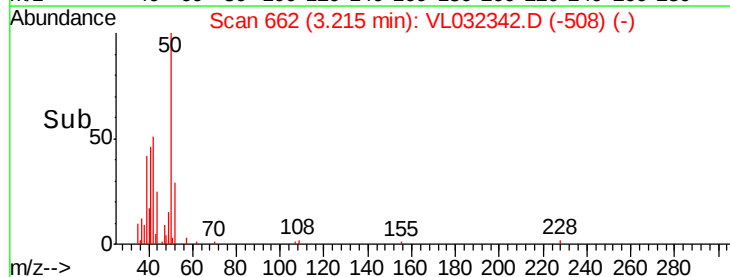
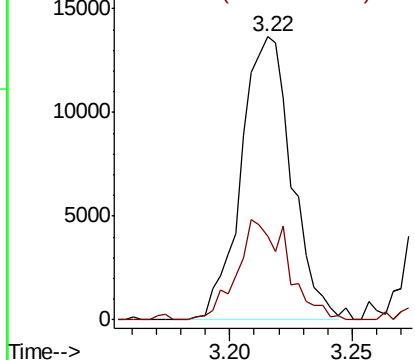
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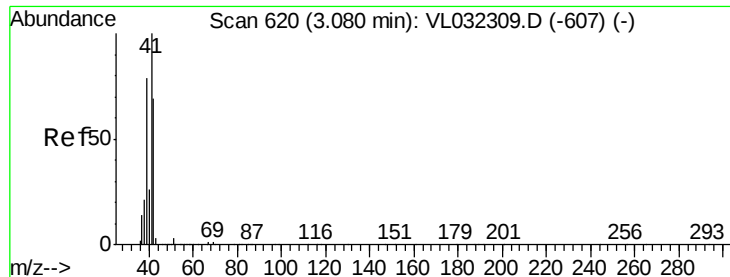
Chloromethane
Concen: 0.18 ppbv
RT: 3.22 min Scan# 662
Delta R.T. -0.00 min
Lab File: VL032342.D
Acq: 2 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.2	39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 7.10 ppbv

RT: 3.08 min Scan# 619

Delta R.T. -0.00 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

Tot Ion: 41 Resp: 577391

Ion Ratio Lower Upper

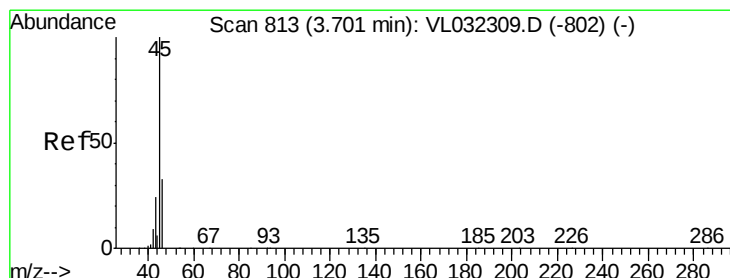
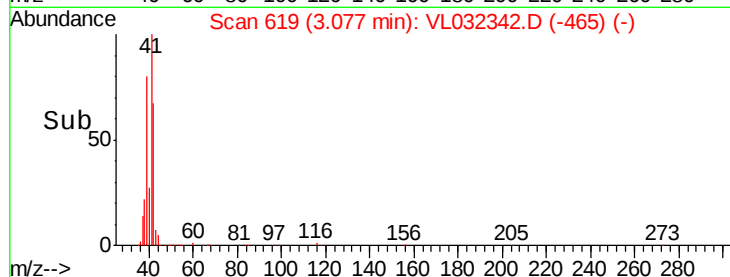
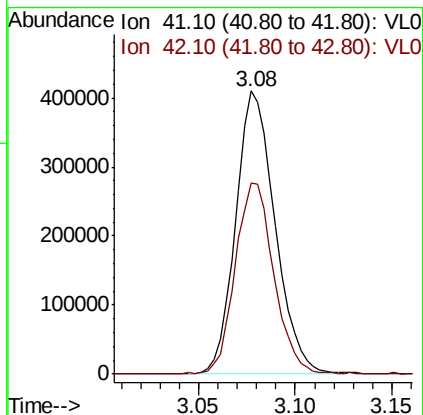
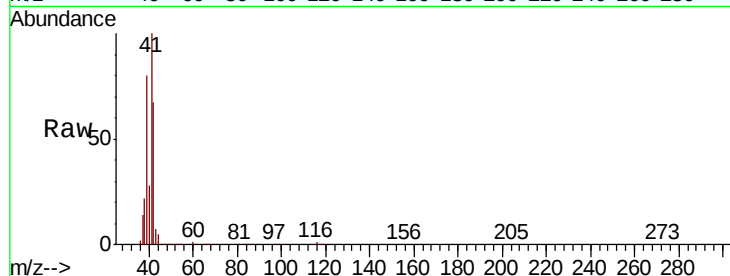
41 100

42 66.8 56.8 85.2

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#13

Ethanol

Concen: 6.09 ppbv m

RT: 3.70 min Scan# 813

Delta R.T. -0.00 min

Lab File: VL032342.D

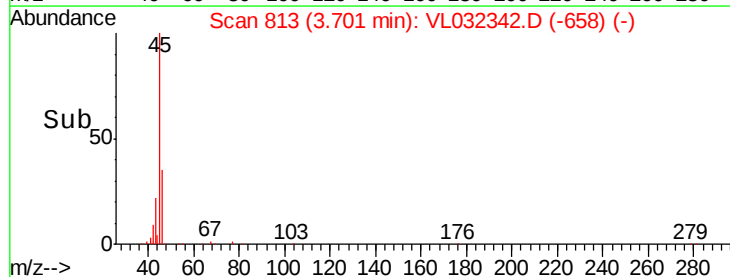
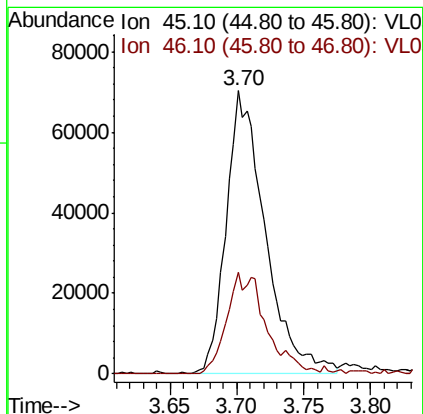
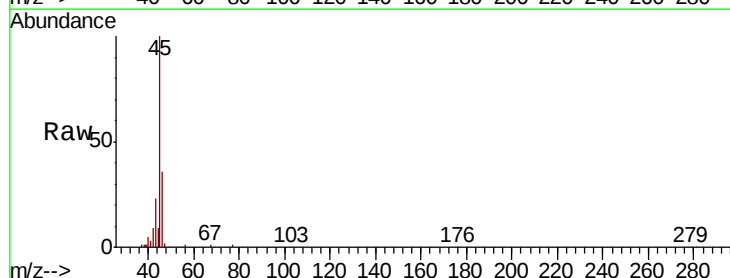
Acq: 2 Aug 2018 3:59

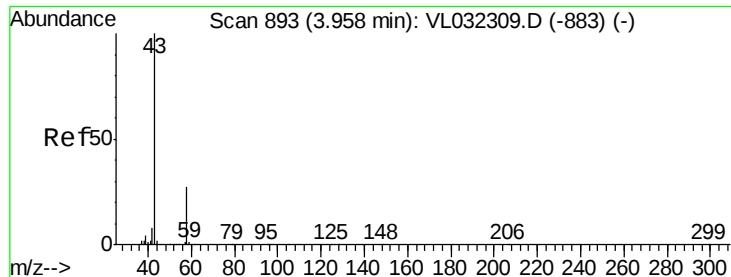
Tgt Ion: 45 Resp: 142404

Ion Ratio Lower Upper

45 100

46 37.3 15.2 60.6





#15

Acetone

Concen: 60.45 ppbv

RT: 3.95 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

Tot Ion: 43 Resp:10310851

Ion Ratio Lower Upper

43 100

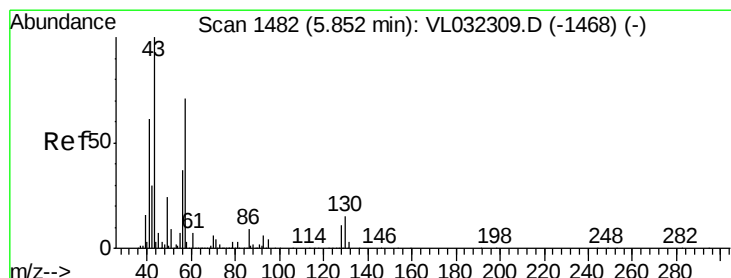
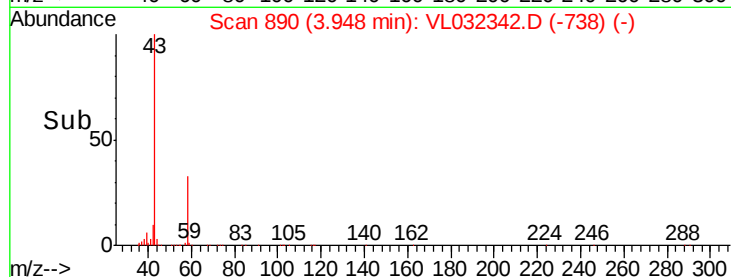
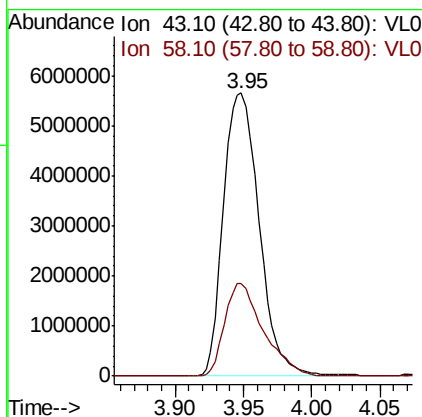
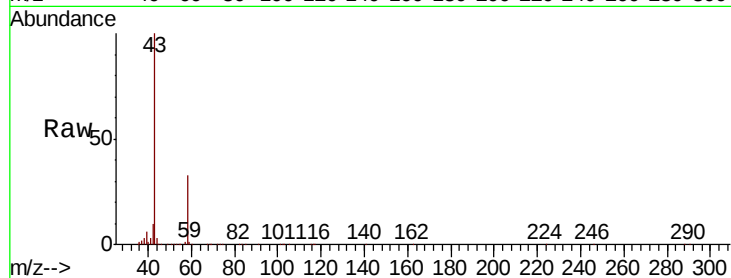
58 35.8 22.5 33.7#

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#26

Hexane

Concen: 0.36 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Tgt Ion: 57 Resp: 62047

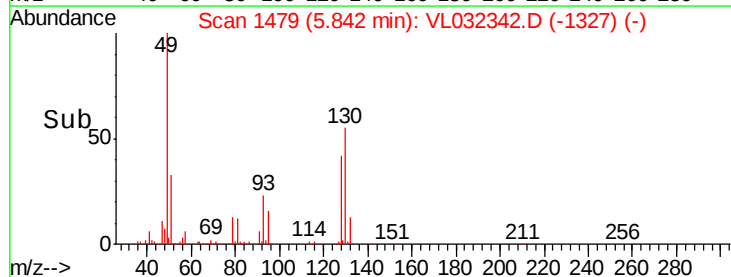
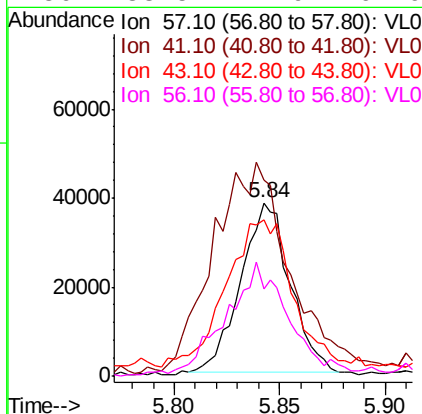
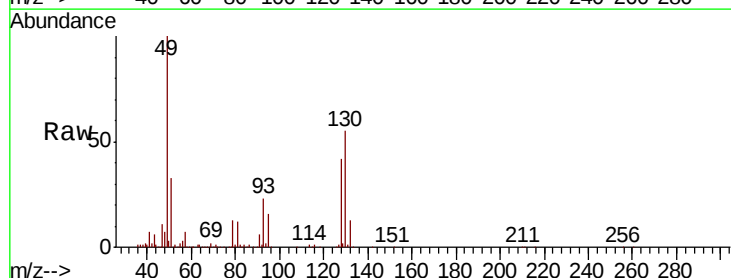
Ion Ratio Lower Upper

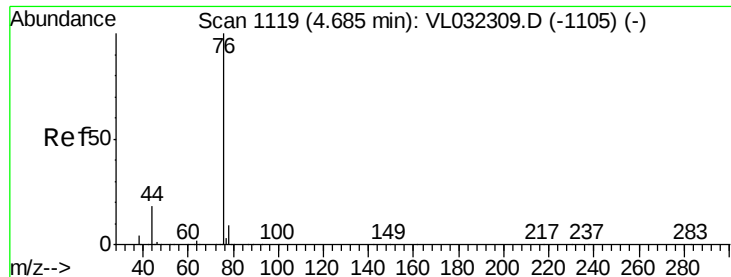
57 100

41 198.0 68.1 102.1#

43 0.0 177.4 266.2#

56 83.5 41.9 62.9#





#27

Carbon Disulfide

Concen: 0.40 ppbv

RT: 4.68 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Instrument :

MSVOA_L

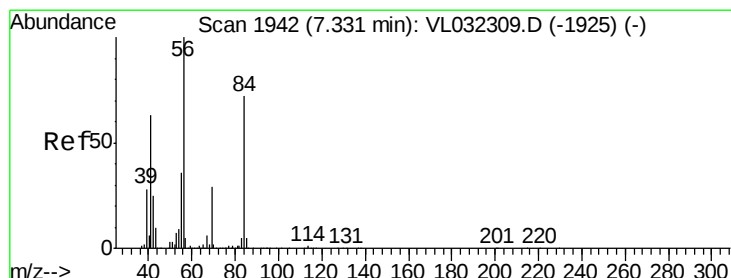
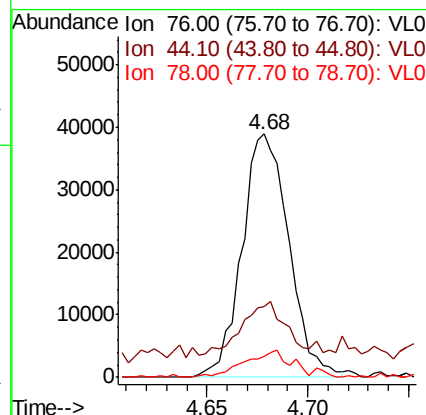
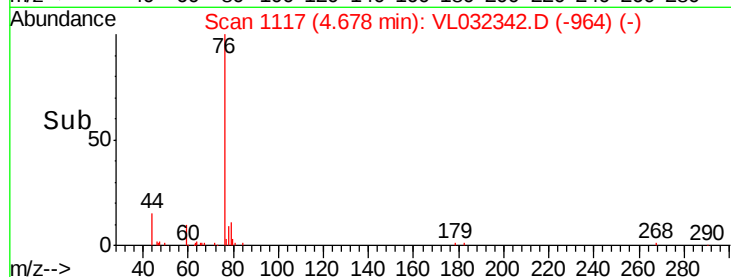
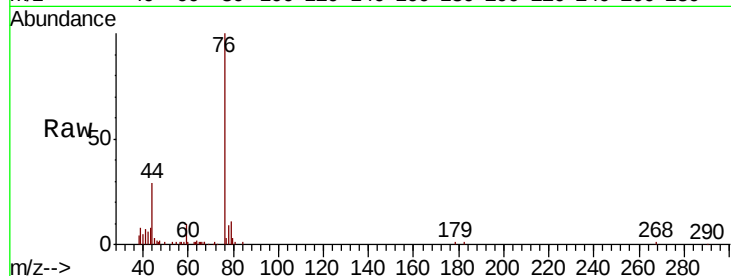
ClientSampled :

SV-2DL

Tot Ion:	76	Resp:	63484
Ion Ratio	Lower	Upper	
76	100		
44	27.0	14.0	21.0#
78	12.5	7.5	11.3#

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#30

Cyclohexane

Concen: 0.32 ppbv m

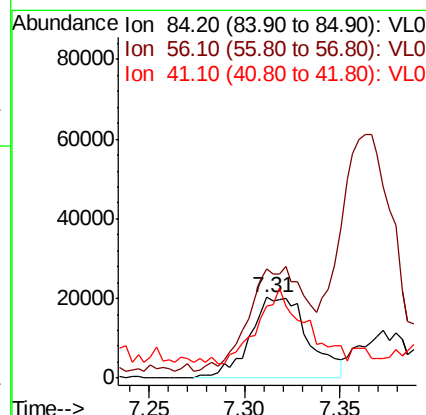
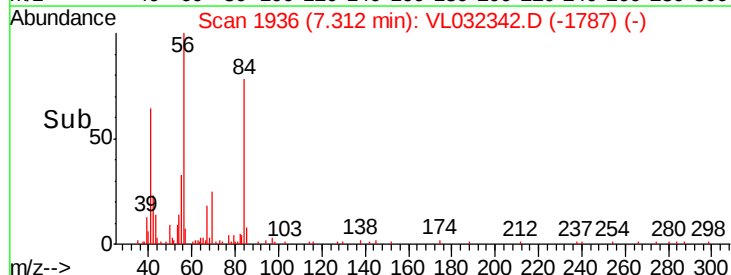
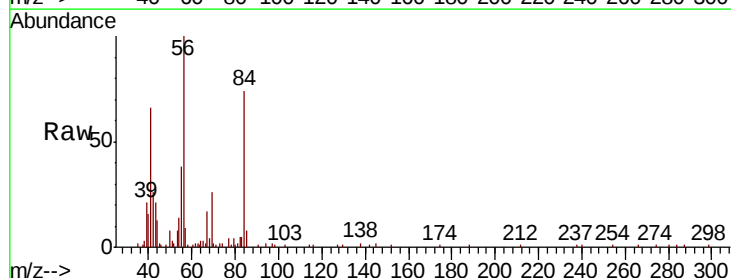
RT: 7.31 min Scan# 1936

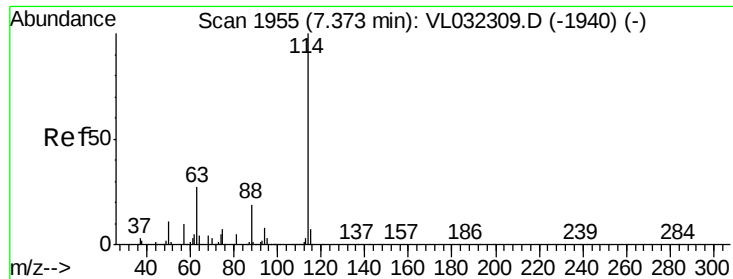
Delta R.T. -0.02 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Tgt Ion:	84	Resp:	43078
Ion Ratio	Lower	Upper	
84	100		
56	140.4	116.8	175.2
41	73.8	70.0	105.0





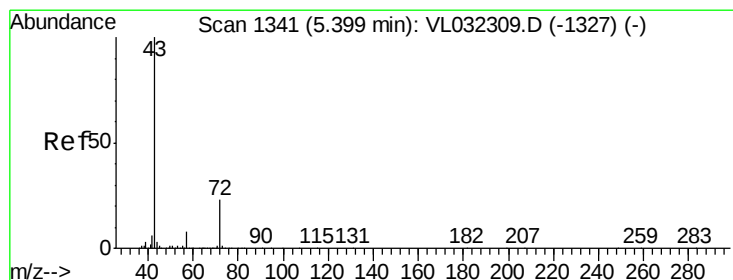
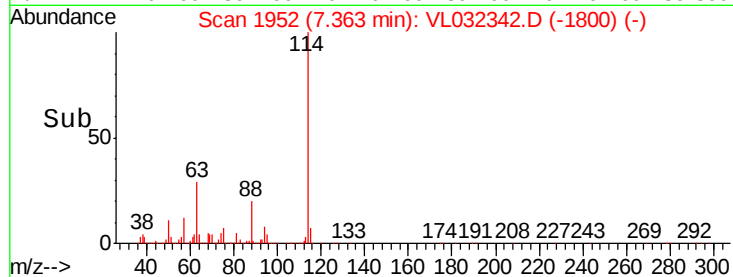
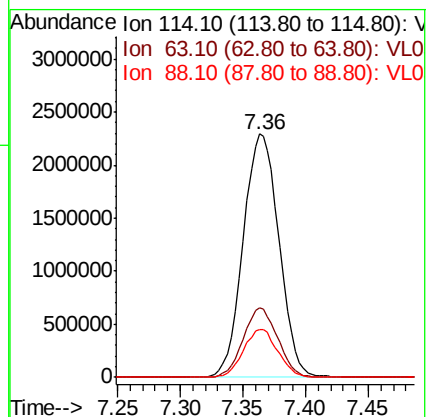
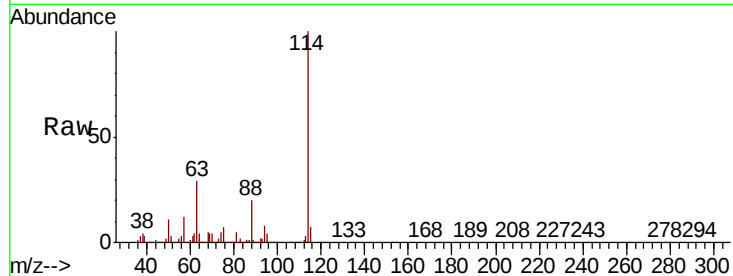
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.36 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VL032342.D
 Acq: 2 Aug 2018 3:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	19.1	15.3	22.9

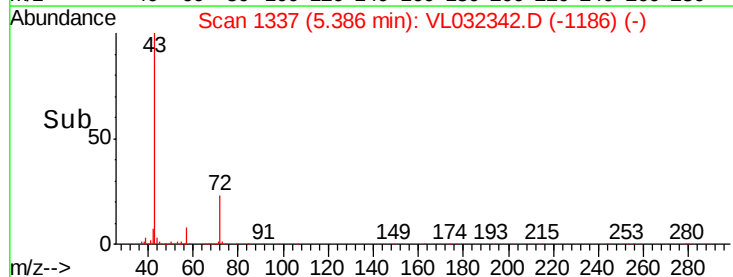
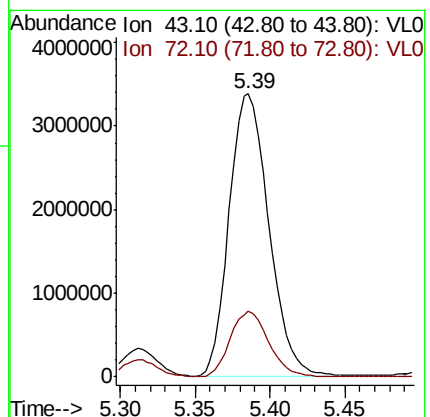
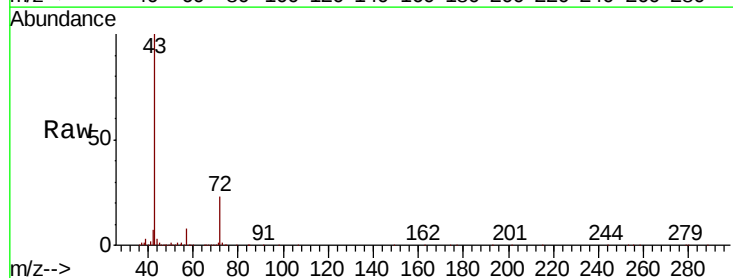
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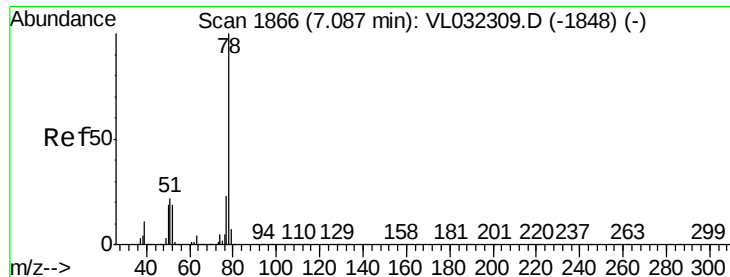
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#34
 2-Butanone
 Concen: 21.14 ppbv
 RT: 5.39 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VL032342.D
 Acq: 2 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.4	26.2





#36

Benzene

Concen: 0.31 ppbv

RT: 7.08 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Instrument :

MSVOA_L

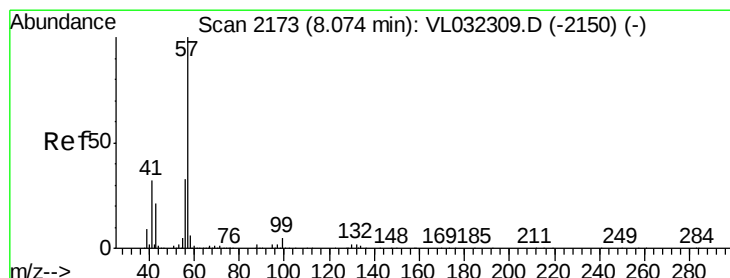
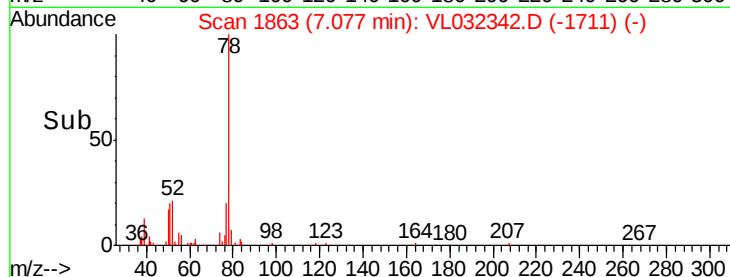
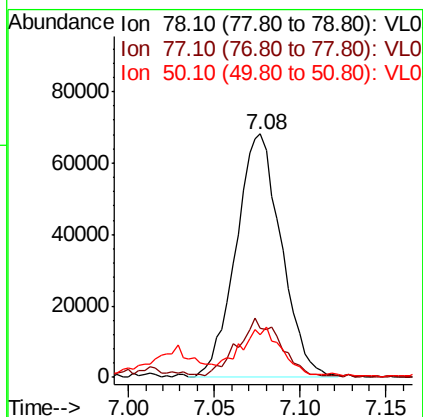
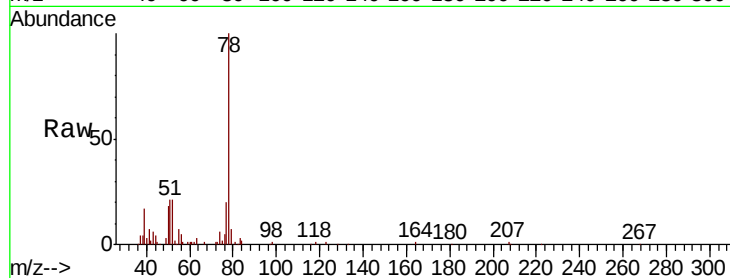
ClientSampleId :

SV-2DL

Tot Ion:	78	Resp:	123427
Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.4	27.6
50	16.6	15.3	22.9

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#44

2,2,4-Trimethylpentane

Concen: 0.15 ppbv

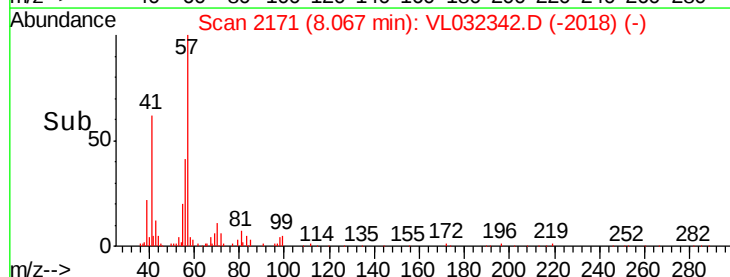
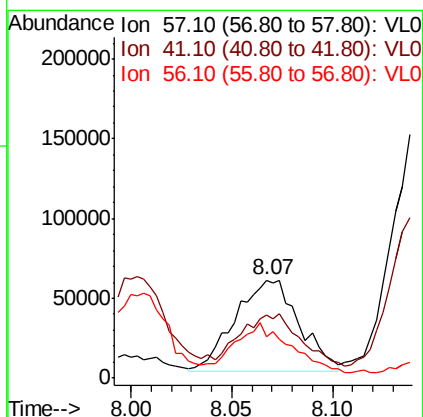
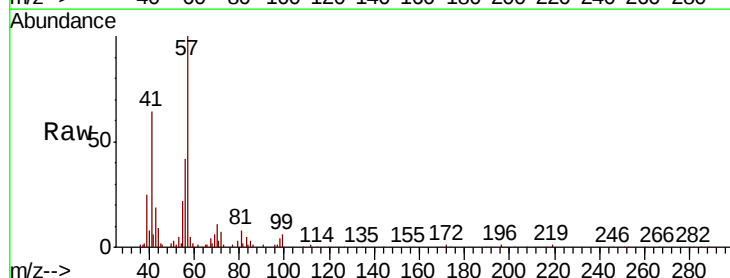
RT: 8.07 min Scan# 2171

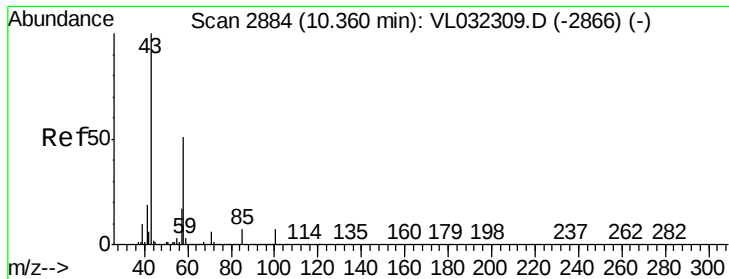
Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Tgt Ion:	57	Resp:	127286
Ion	Ratio	Lower	Upper
57	100		
41	72.3	24.3	36.5#
56	56.4	25.4	38.2#





#51

2-Hexanone

Concen: 1.43 ppbv

RT: 10.35 min Scan# 2882

Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Instrument :

MSVOA_L

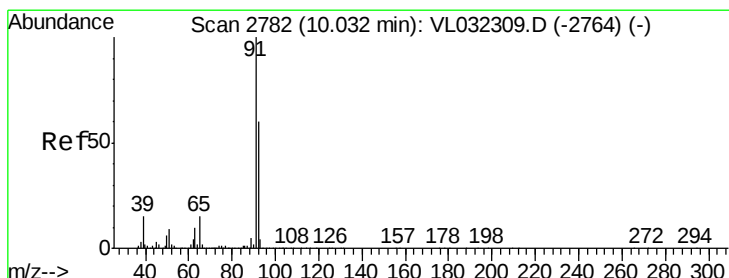
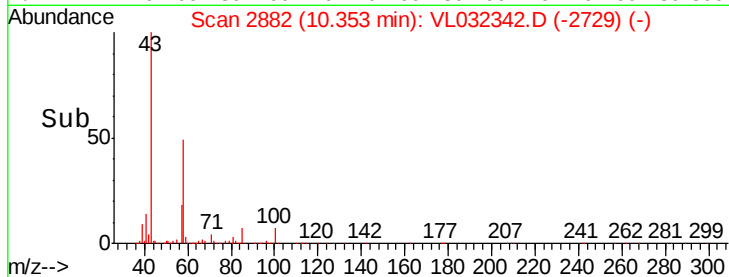
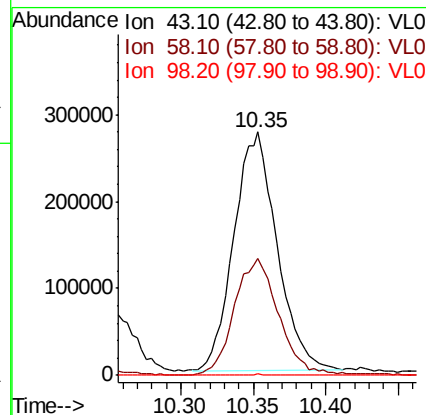
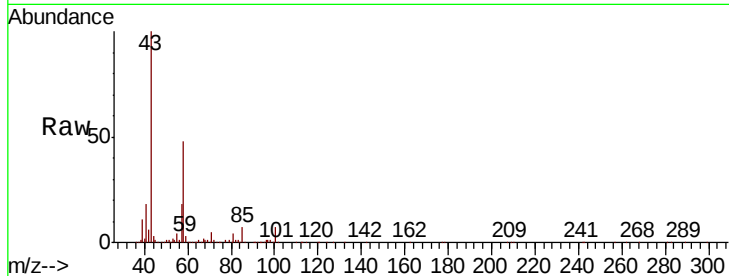
ClientSampled :

SV-2DL

Tot Ion:	43	Resp:	564938
Ion Ratio	Lower	Upper	
43	100		
58	51.1	39.1	58.7
98	0.3	0.3	0.5

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#53

Toluene

Concen: 0.10 ppbv m

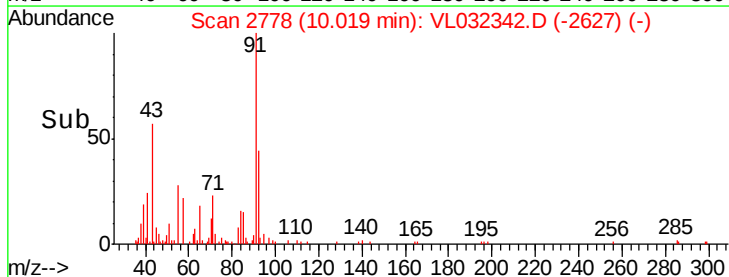
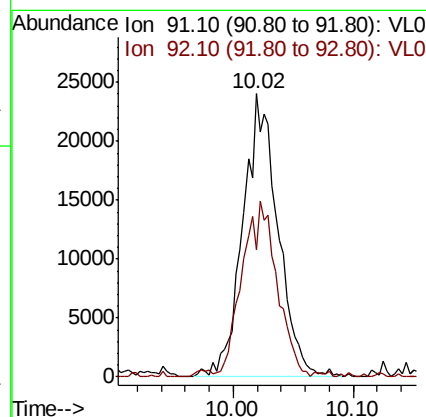
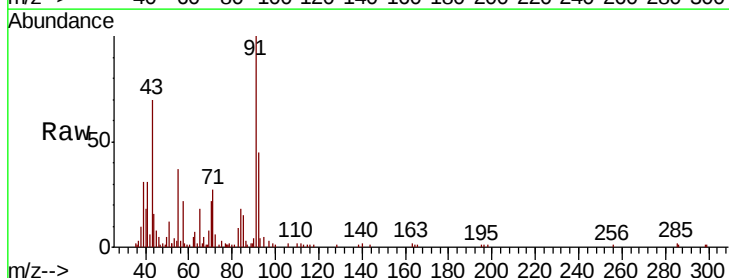
RT: 10.02 min Scan# 2778

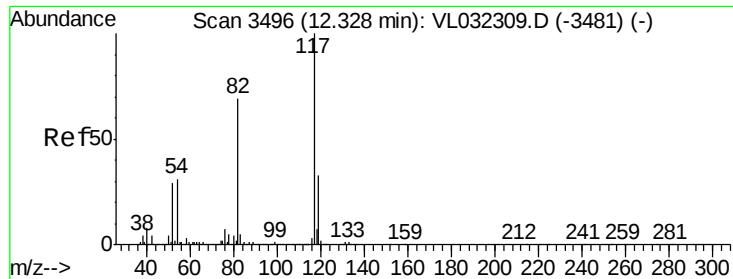
Delta R.T. -0.01 min

Lab File: VL032342.D

Acq: 2 Aug 2018 3:59

Tgt Ion:	91	Resp:	47761
Ion Ratio	Lower	Upper	
91	100		
92	0.0	48.6	72.8#





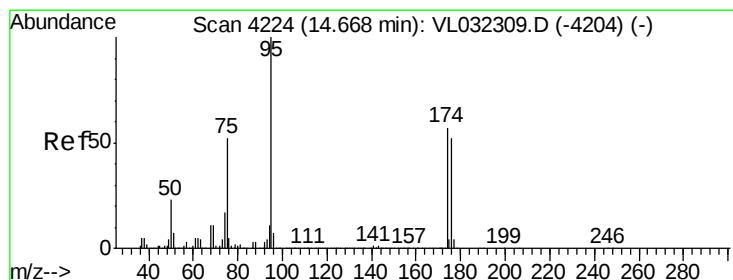
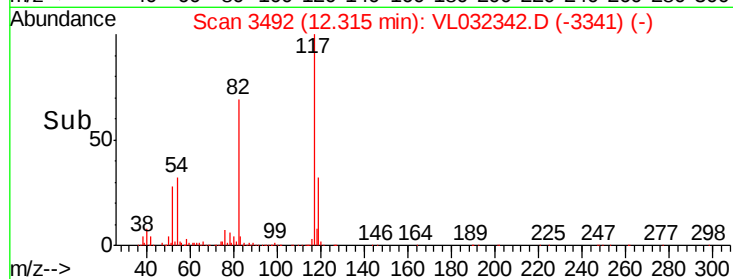
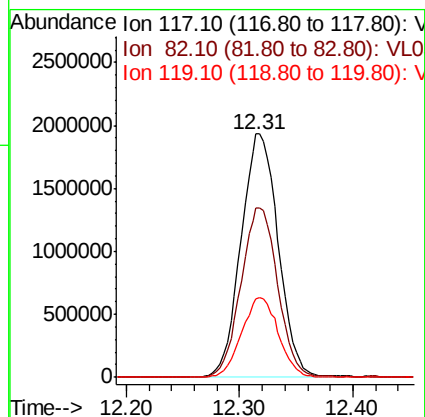
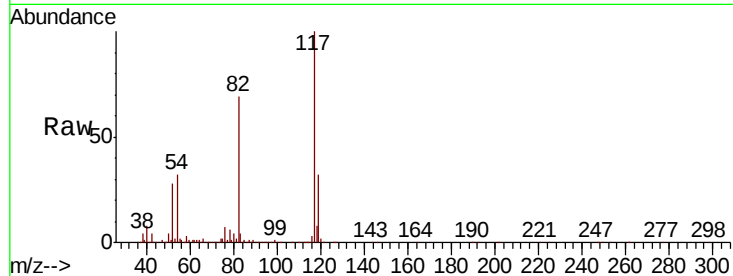
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.31 min Scan# 3492
Delta R.T. -0.01 min
Lab File: VL032342.D
Acq: 2 Aug 2018 3:59

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	52.6	78.8
119	32.6	25.7	38.5

Manual Integrations
APPROVED

apatel
8/14/2018 2:02:23 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.33 ppbv
RT: 14.65 min Scan# 4219
Delta R.T. -0.02 min
Lab File: VL032342.D
Acq: 2 Aug 2018 3:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	55.8	45.5	68.3
175	4.2	3.3	4.9

