

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033073.D
 Acq On : 4 Jan 2019 18:28
 Operator : SY/AP
 Sample : J6594-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1-2018-12-19

Manual Integrations
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 1/8/2019 12:01:20 AM

Quant Time: Jan 05 02:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	978297	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2364661	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2129057	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1600813	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	114166	0.627	ppbv	96
3) Chlorodifluoromethane	3.02	51	39912m	0.360	ppbv	
4) Chloromethane	3.18	50	38612	0.609	ppbv	98
9) Propene	3.05	41	49535m	1.197	ppbv	
11) Trichlorofluoromethane	4.01	101	54925	0.273	ppbv	96
13) Ethanol	3.66	45	118513m	7.184	ppbv	
15) Acetone	3.91	43	328618	2.427	ppbv	97
20) Methylene Chloride	4.41	84	86843	1.538	ppbv	95
26) Hexane	5.78	57	53523m	0.497	ppbv	
34) 2-Butanone	5.35	43	16697m	0.122	ppbv	
35) Carbon Tetrachloride	7.13	117	17522m	0.086	ppbv	
36) Benzene	7.01	78	24830m	0.128	ppbv	
38) Trichloroethene	7.97	130	4758m	0.060	ppbv	
53) Toluene	9.95	91	48556	0.234	ppbv	97

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

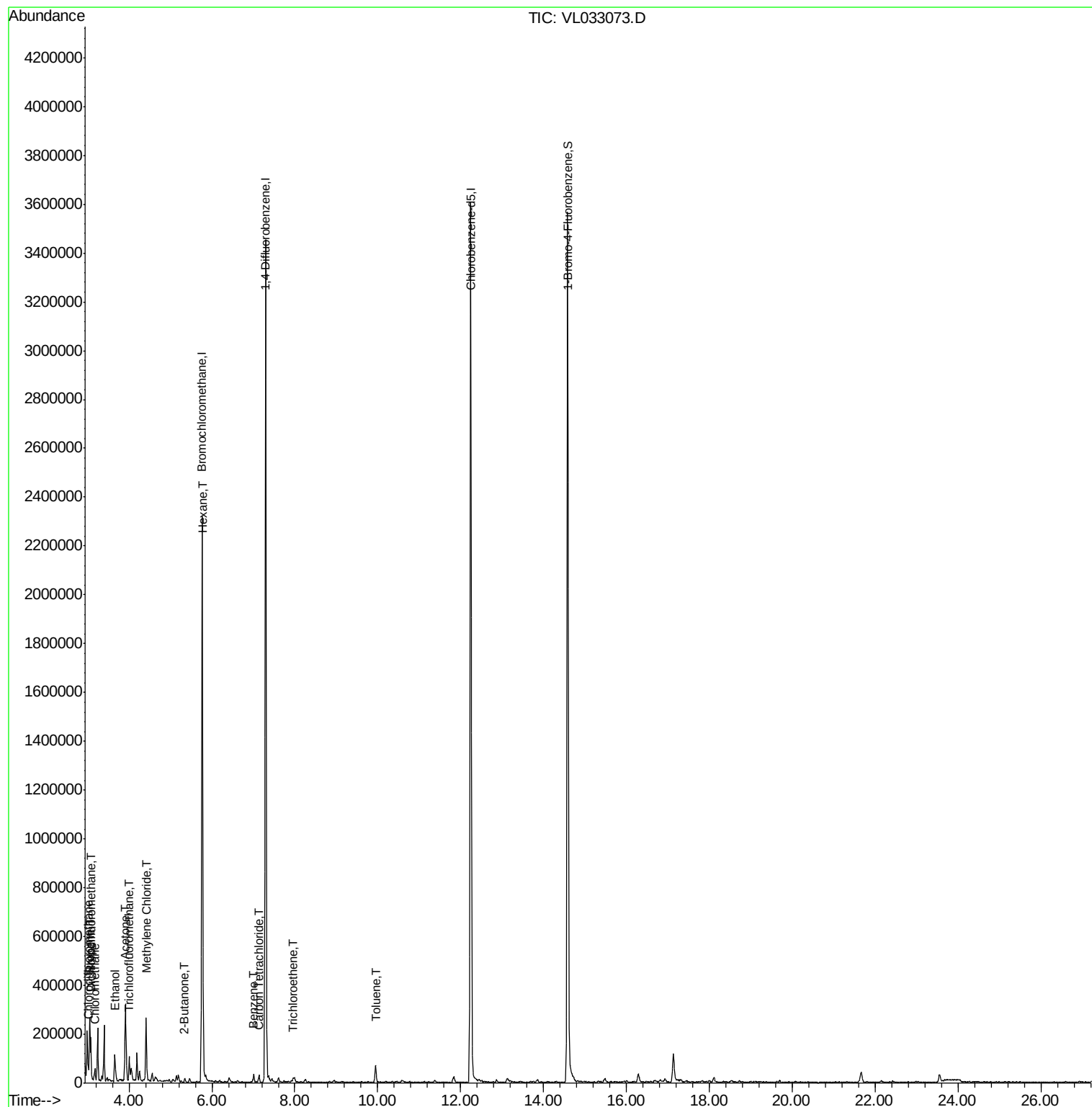
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010419\
Data File : VL033073.D
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Operator : SY/AP
Sample : J6594-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

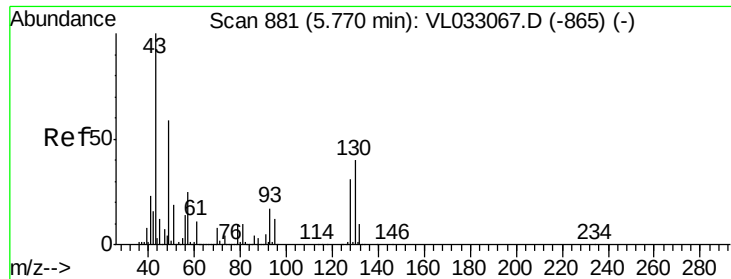
Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19

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Quant Time: Jan 05 02:45:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033073.D

Acq: 4 Jan 2019 18:28

Instrument :

MSVOA_L

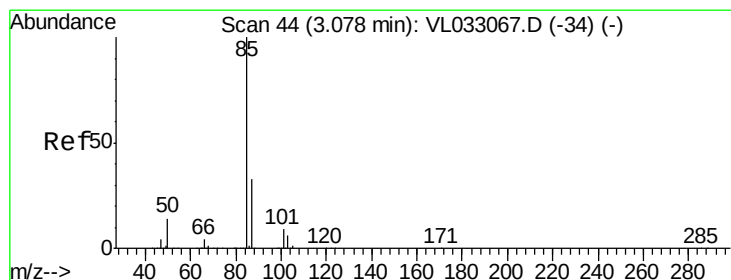
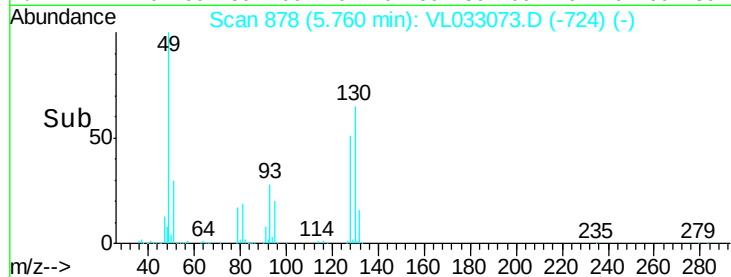
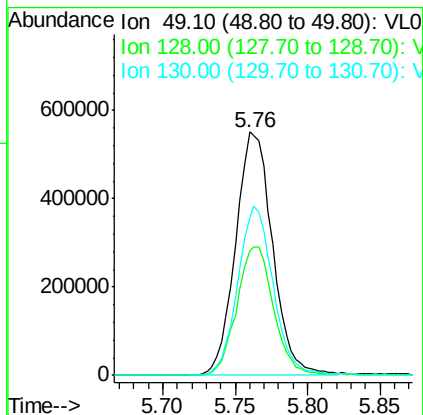
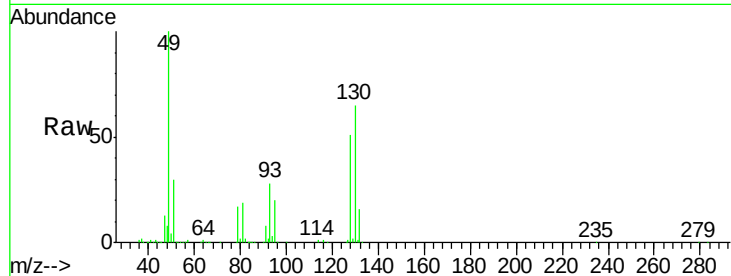
ClientSampleId :

SVI-IA1-2018-12-19

Tot Ion: 49 Resp: 978297
 Ion Ratio Lower Upper
 49 100
 128 53.6 26.2 78.5
 130 67.3 33.6 100.6

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#2

Dichlorodifluoromethane

Concen: 0.627 ppbv

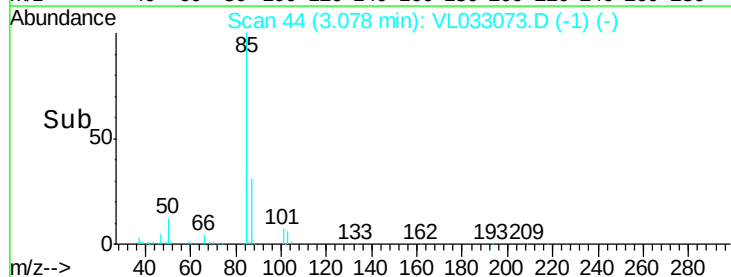
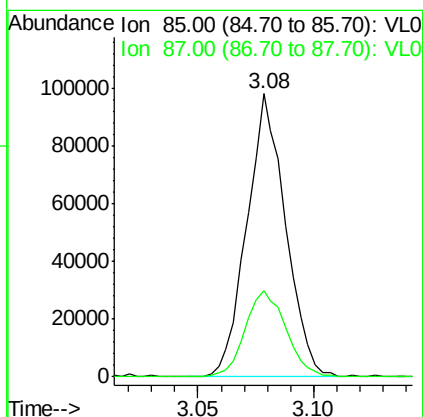
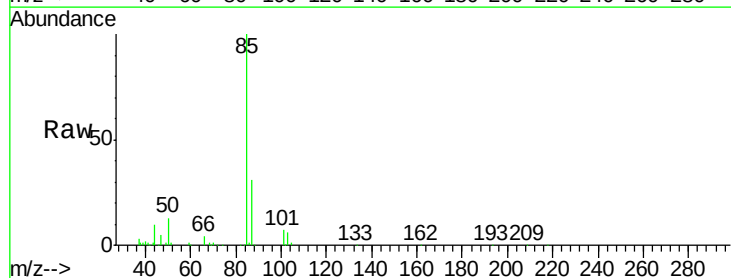
RT: 3.08 min Scan# 44

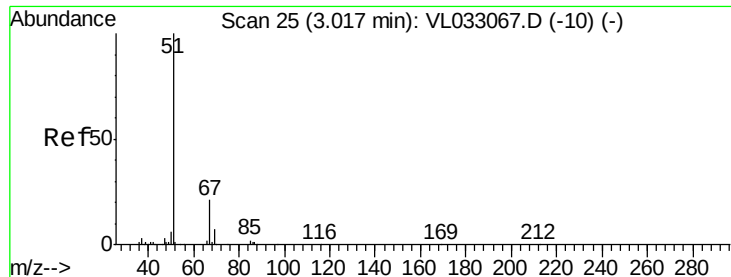
Delta R.T. -0.00 min

Lab File: VL033073.D

Acq: 4 Jan 2019 18:28

Tgt Ion: 85 Resp: 114166
 Ion Ratio Lower Upper
 85 100
 87 30.7 26.3 39.5





#3

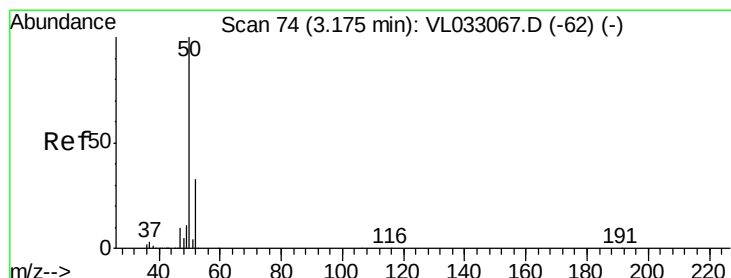
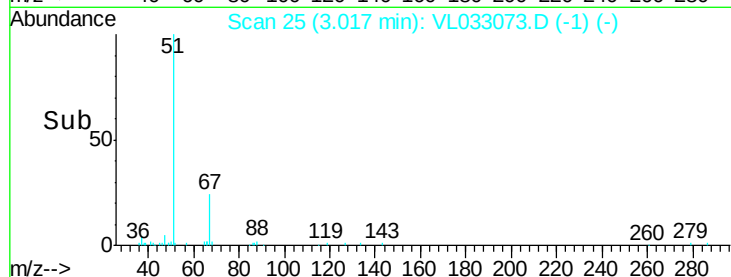
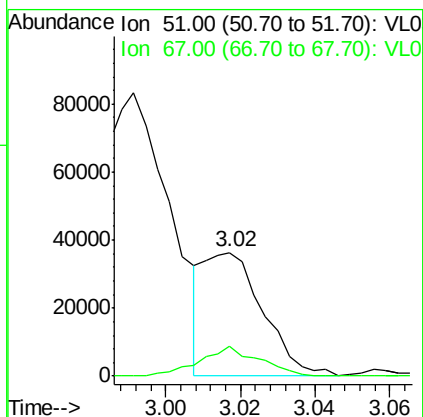
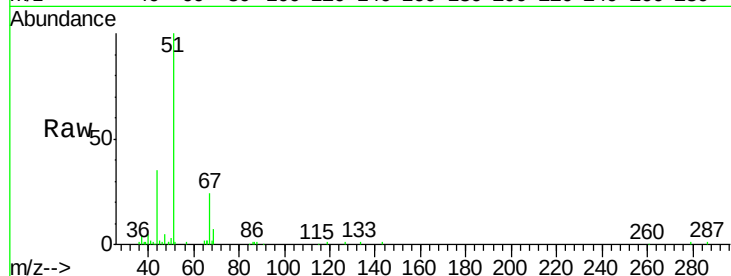
Chlorodifluoromethane
Concen: 0.360 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
51	100		
67	25.0	16.3	24.5#

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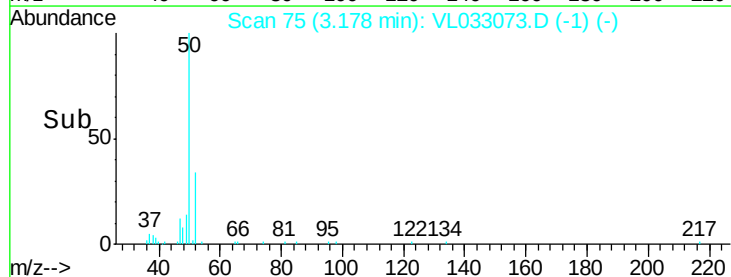
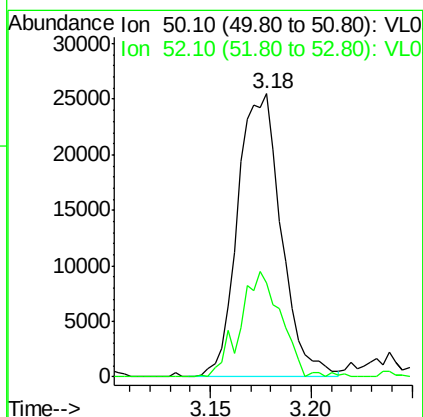
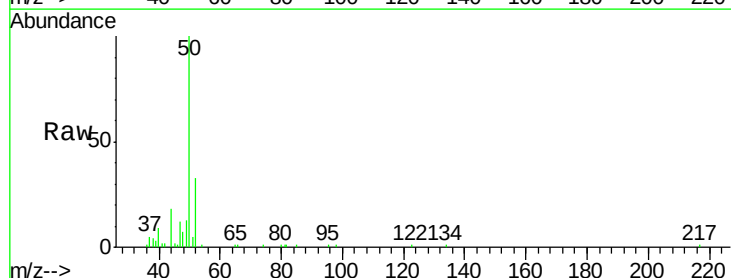
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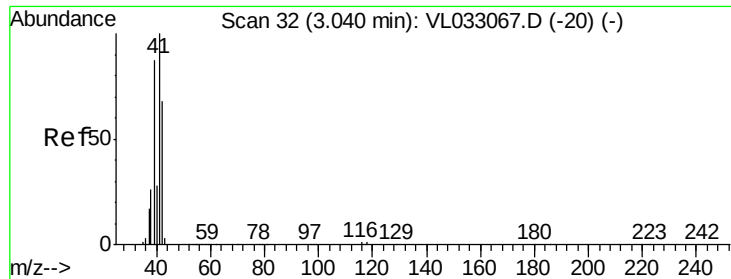


#4

Chloromethane
Concen: 0.609 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.9	40.3





#9

Propene

Concen: 1.197 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.02 min

Lab File: VL033073.D

Acq: 4 Jan 2019 18:28

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1-2018-12-19

Tot Ion: 41 Resp: 49535

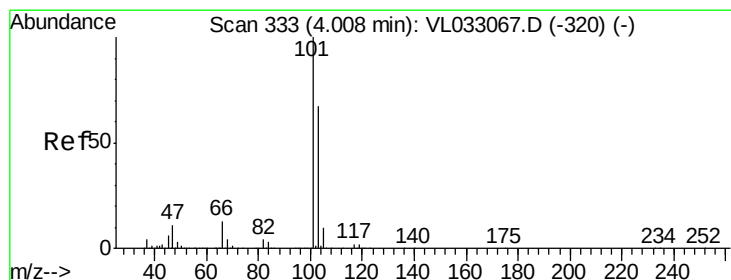
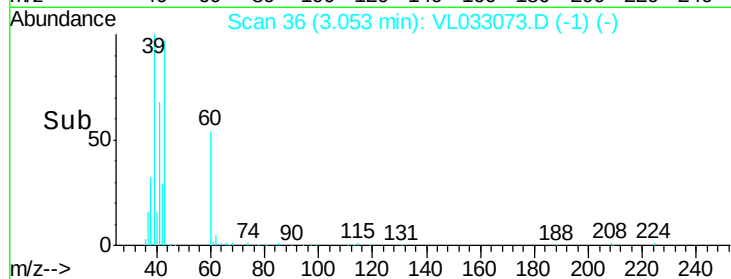
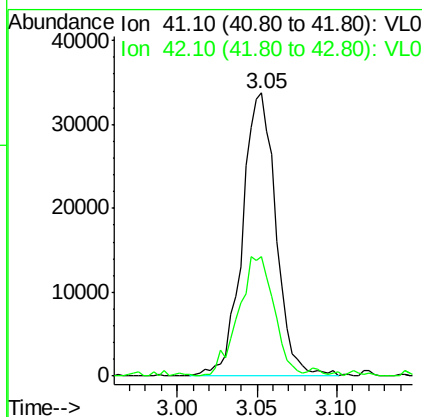
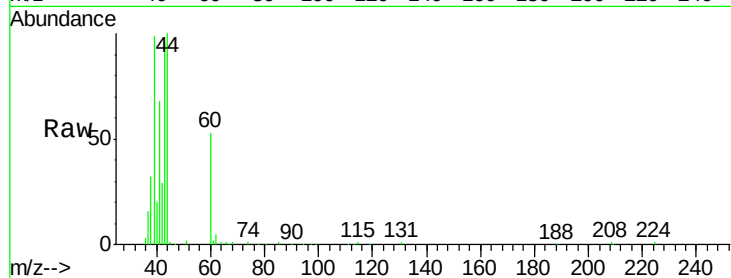
Ion Ratio Lower Upper

41 100

42 62.2 55.3 82.9

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#11

Trichlorofluoromethane

Concen: 0.273 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033073.D

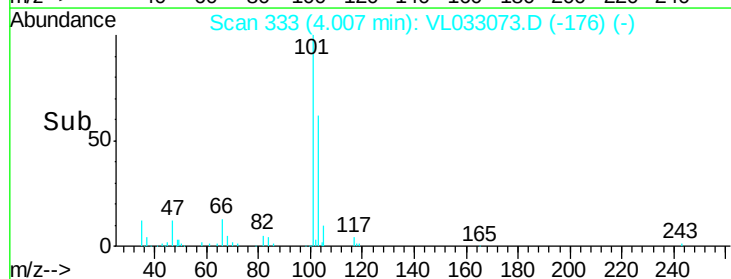
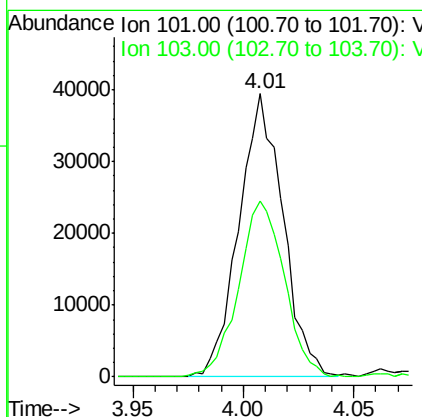
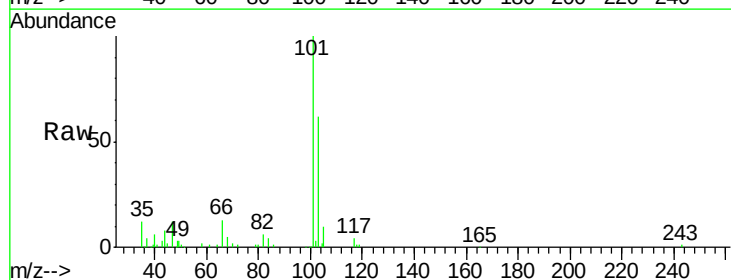
Acq: 4 Jan 2019 18:28

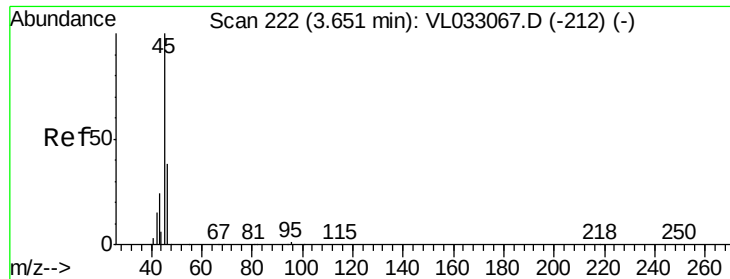
Tgt Ion: 101 Resp: 54925

Ion Ratio Lower Upper

101 100

103 61.5 51.7 77.5





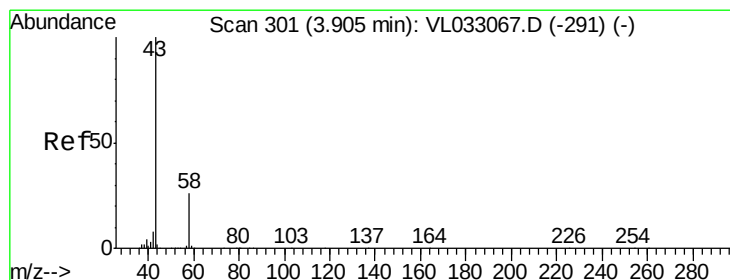
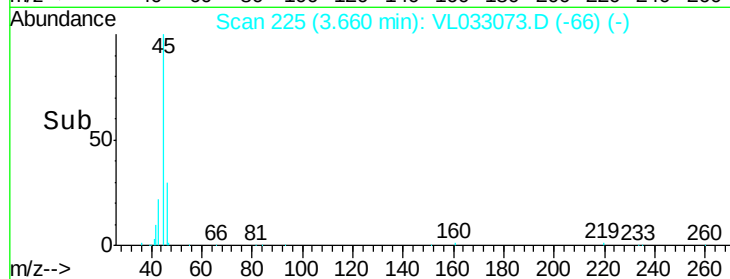
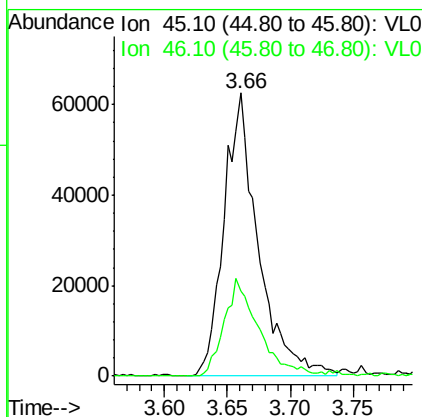
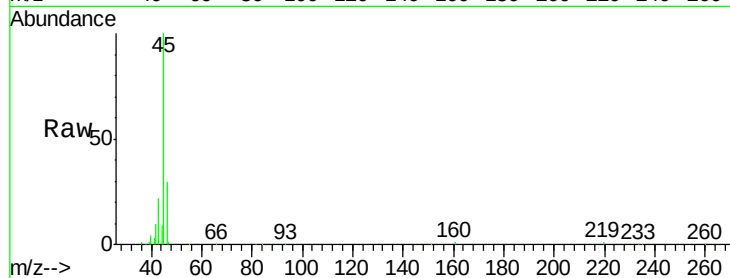
#13
Ethanol
Concen: 7.184 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19

Tot Ion: 45 Resp: 118513
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#

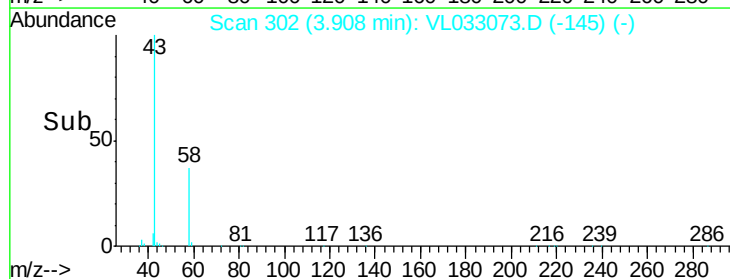
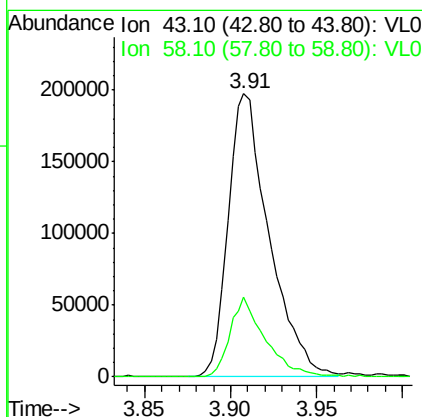
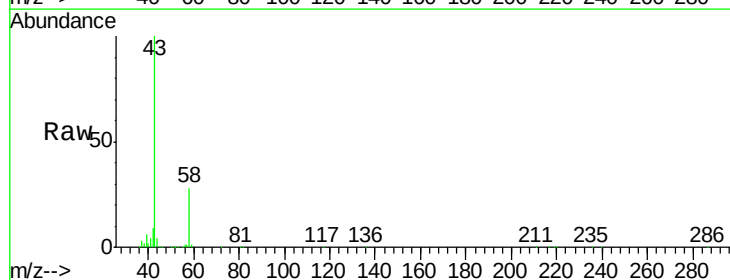
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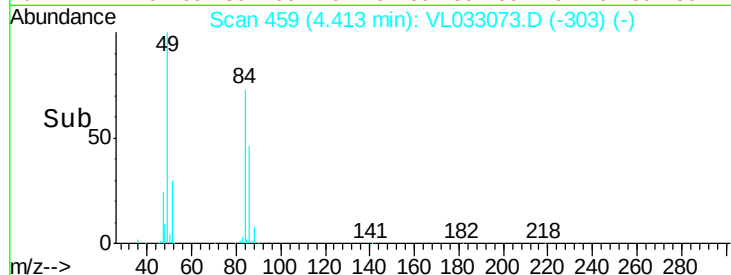
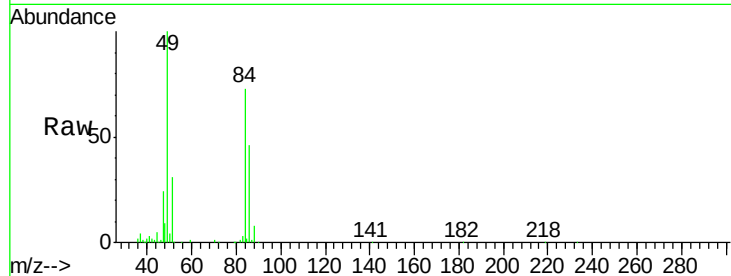
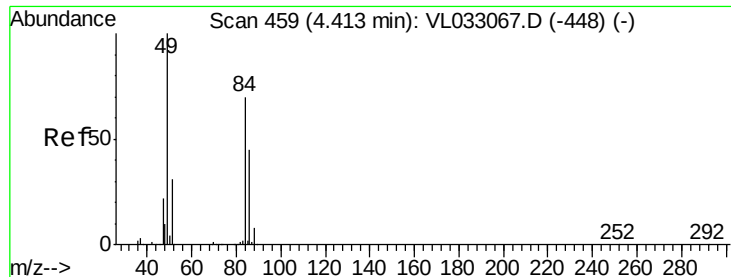
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#15
Acetone
Concen: 2.427 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Tgt Ion: 43 Resp: 328618
Ion Ratio Lower Upper
43 100
58 24.7 21.1 31.7





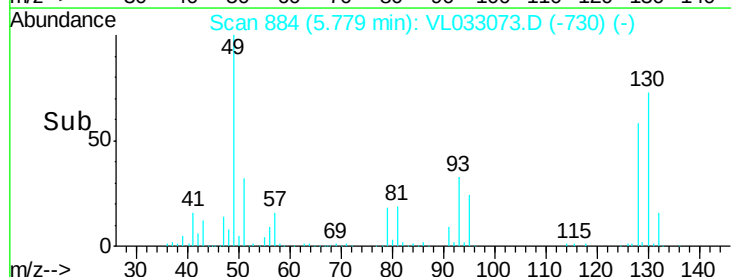
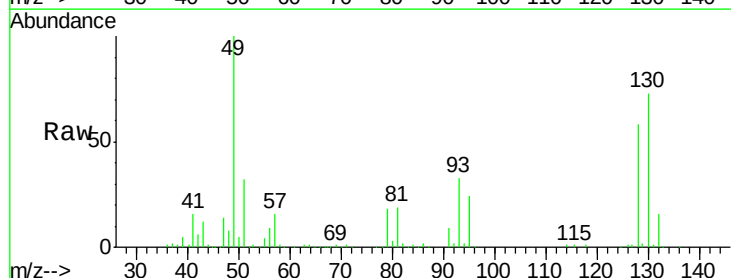
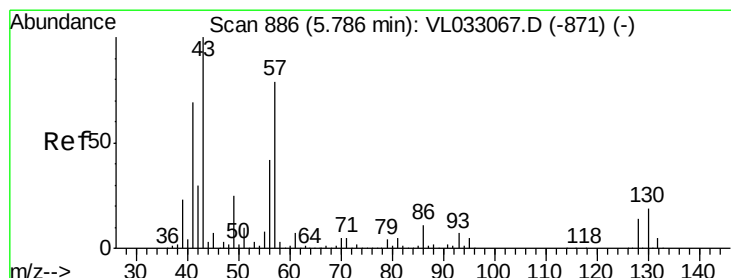
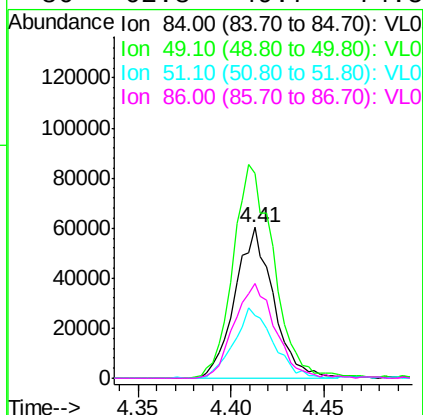
#20
Methylene Chloride
Concen: 1.538 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Tot Ion:	84	Resp:	86843
Ion	Ratio	Lower	Upper
84	100		
49	135.8	115.8	173.6
51	41.8	35.7	53.5
86	62.8	49.7	74.5

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19

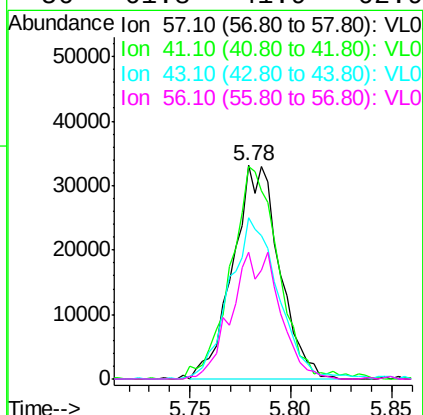
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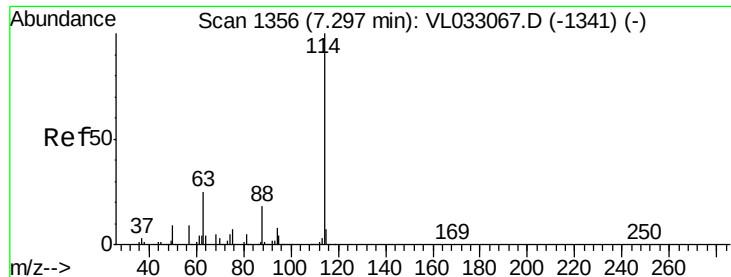
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#26
Hexane
Concen: 0.497 ppbv m
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Tgt Ion:	57	Resp:	53523
Ion	Ratio	Lower	Upper
57	100		
41	102.6	70.8	106.2
43	80.3	171.8	257.6#
56	61.8	41.9	62.9





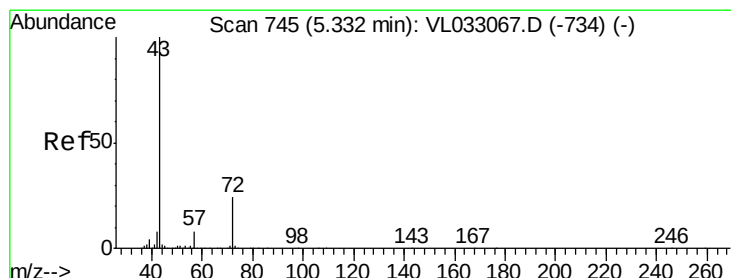
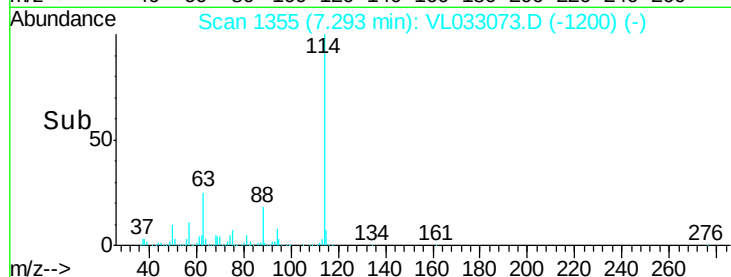
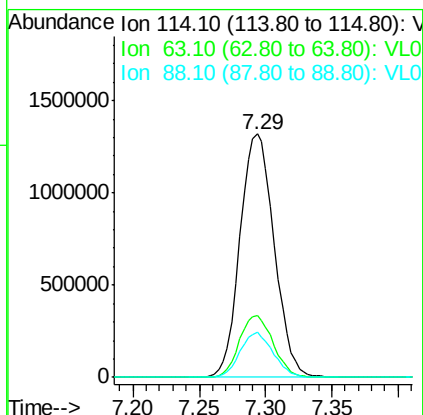
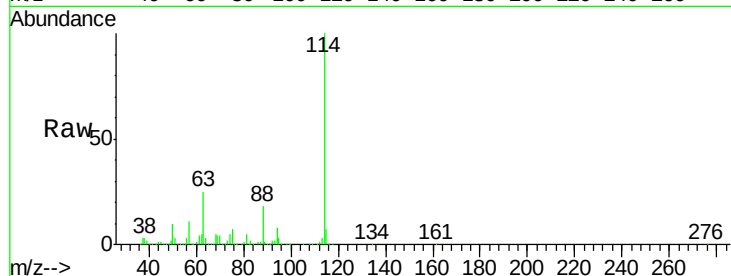
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033073.D
 Acq: 4 Jan 2019 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.1	30.1
88	17.9	14.0	21.0

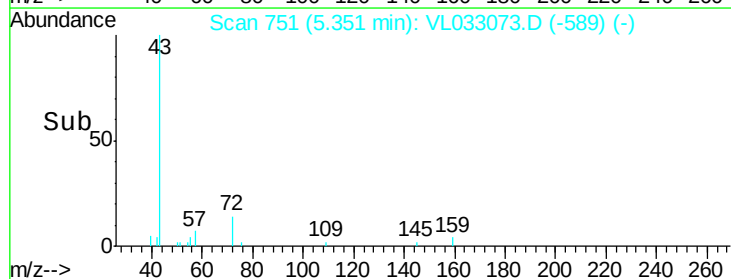
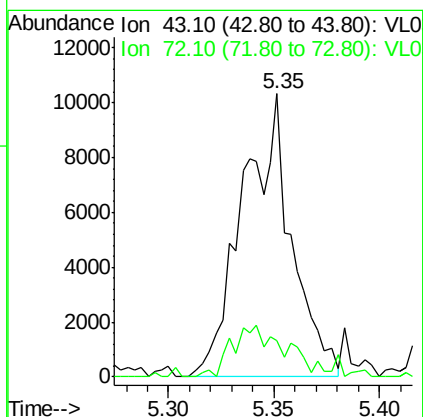
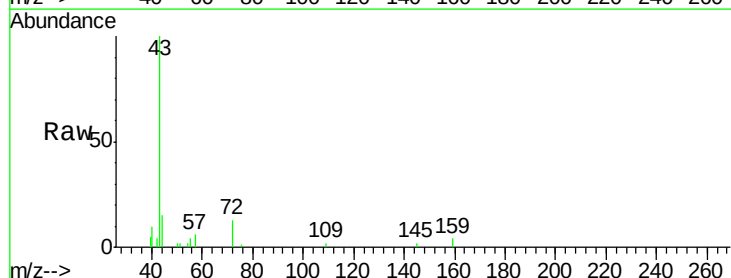
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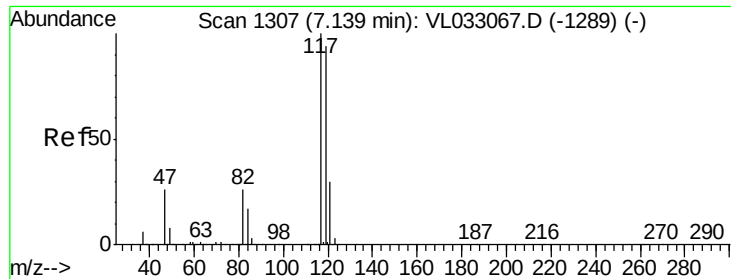
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#34
 2-Butanone
 Concen: 0.122 ppbv m
 RT: 5.35 min Scan# 751
 Delta R.T. 0.02 min
 Lab File: VL033073.D
 Acq: 4 Jan 2019 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.9	28.3





#35

Carbon Tetrachloride

Concen: 0.086 ppbv m

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033073.D

Acq: 4 Jan 2019 18:28

Instrument :

MSVOA_L

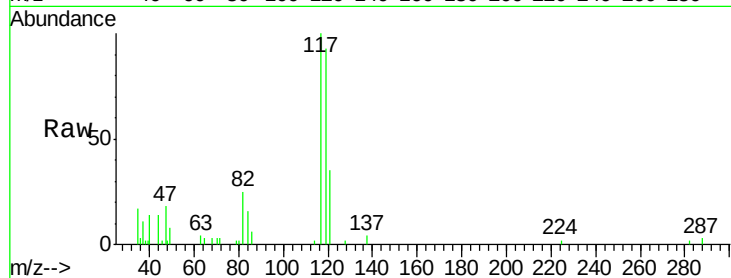
ClientSampleId :

SVI-IA1-2018-12-19

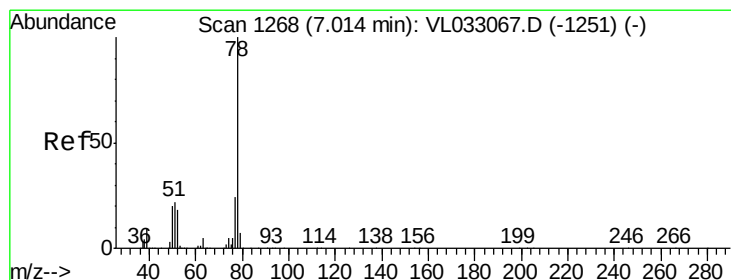
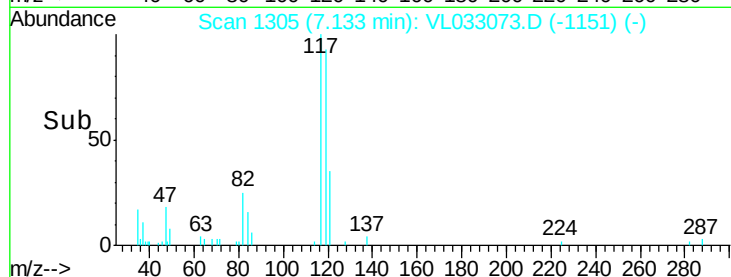
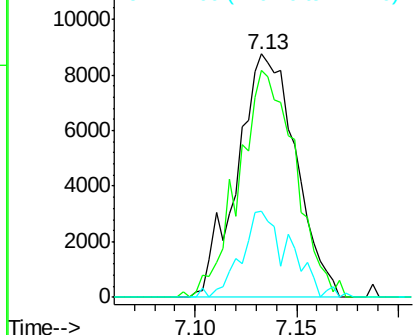
Tot Ion:	117	Resp:	17522
Ion Ratio	Lower	Upper	
117	100		
119	93.5	76.5	114.7
121	35.4	25.2	37.8

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.128 ppbv m

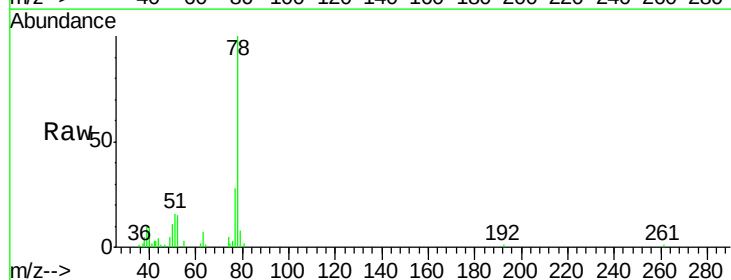
RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

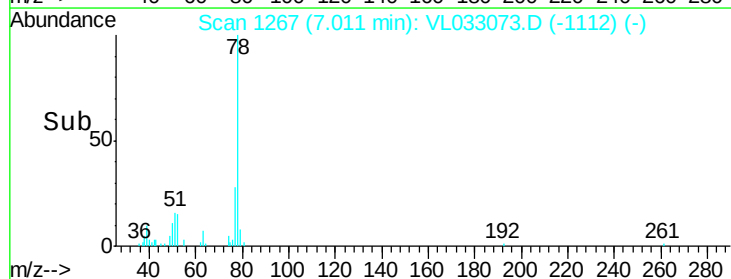
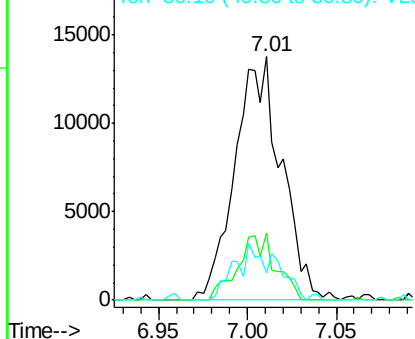
Lab File: VL033073.D

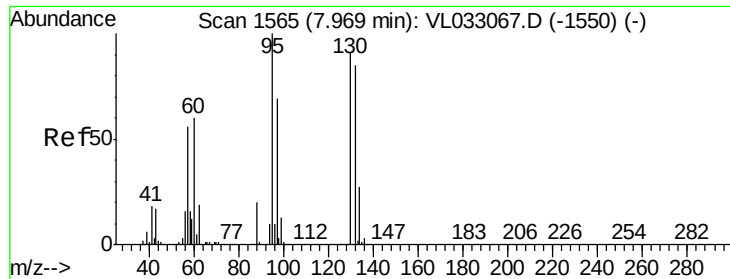
Acq: 4 Jan 2019 18:28

Tgt Ion:	78	Resp:	24830
Ion Ratio	Lower	Upper	
78	100		
77	27.6	18.5	27.7
50	11.3	15.7	23.5#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





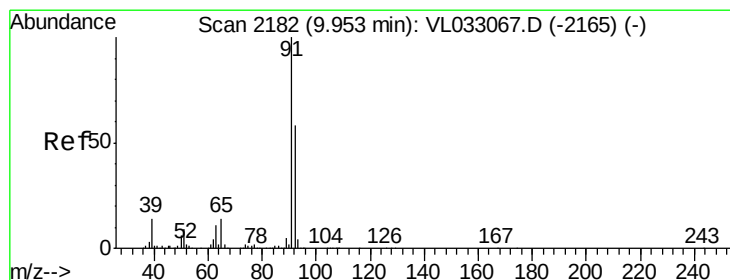
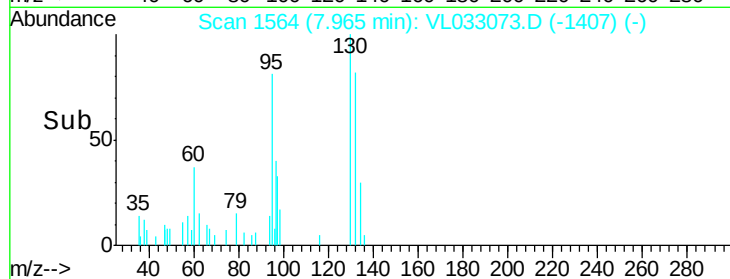
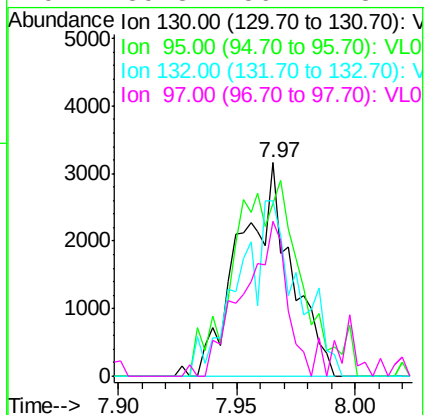
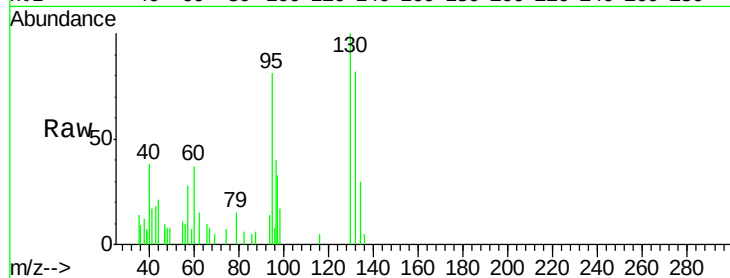
#38
 Trichloroethene
 Concen: 0.060 ppbv m
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033073.D
 Acq: 4 Jan 2019 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1-2018-12-19

Tot Ion:	130	Resp:	4758
Ion Ratio	Lower	Upper	
130	100		
95	80.6	88.6	132.8#
132	81.9	74.2	111.2
97	39.8	56.2	84.2#

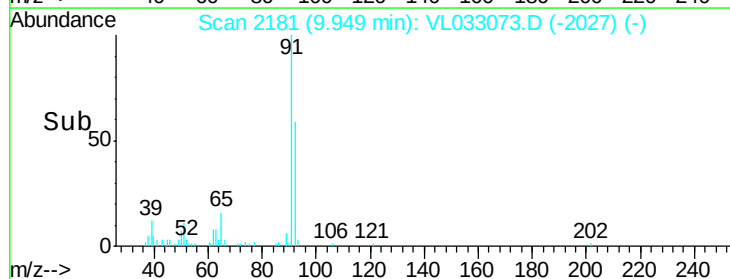
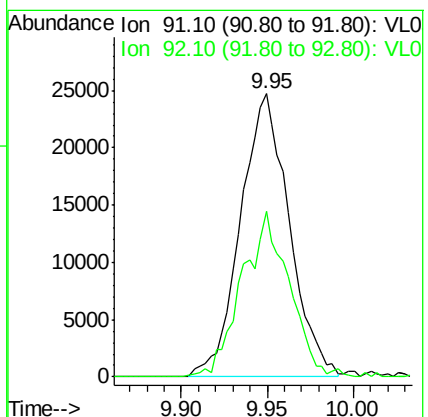
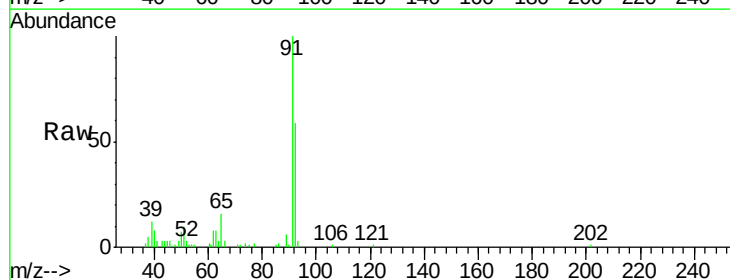
Manual Integrations
 APPROVED

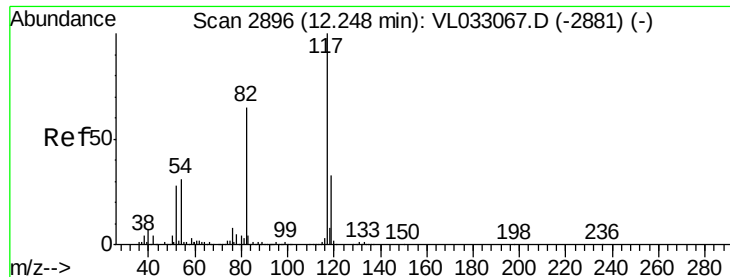
MMDadoda
 1/8/2019 12:01:20 AM



#53
 Toluene
 Concen: 0.234 ppbv
 RT: 9.95 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: VL033073.D
 Acq: 4 Jan 2019 18:28

Tgt Ion:	91	Resp:	48556
Ion Ratio	Lower	Upper	
91	100		
92	57.2	47.7	71.5





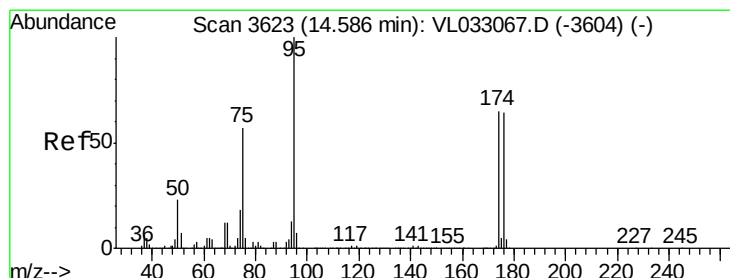
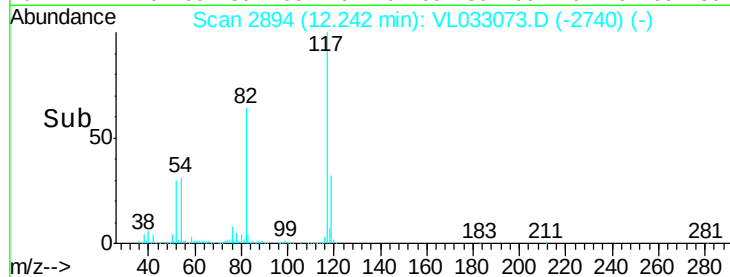
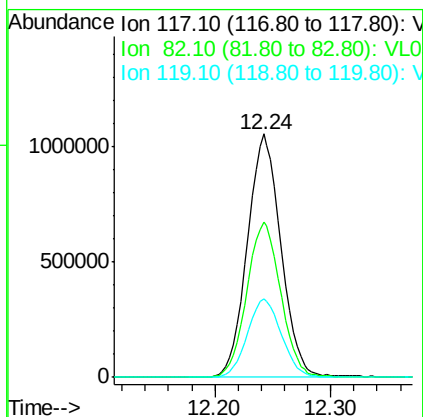
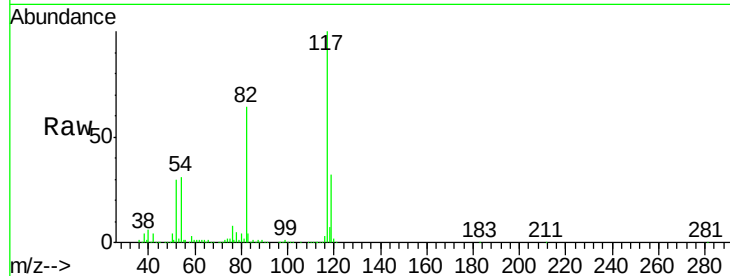
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.8	48.9	73.3
119	33.0	24.6	37.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 12:01:20 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.809 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033073.D
Acq: 4 Jan 2019 18:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.9	51.9	77.9
175	5.0	3.9	5.9

