

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033076.D
 Acq On : 4 Jan 2019 20:25
 Operator : SY/AP
 Sample : J6594-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-OA1-2018-12-19

Manual Integrations
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 1/8/2019 12:01:24 AM

Quant Time: Jan 05 02:58:22 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	5.77	49	940069	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2188501	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2120797	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1639696	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	105854	0.605	ppbv	93
3) Chlorodifluoromethane	3.02	51	66321m	0.623	ppbv	
4) Chloromethane	3.17	50	42204	0.692	ppbv	97
9) Propene	3.05	41	86208	2.169	ppbv	85
11) Trichlorofluoromethane	4.01	101	53186	0.275	ppbv	98
13) Ethanol	3.65	45	215473	13.592	ppbv	97
15) Acetone	3.90	43	657073	5.050	ppbv	90
20) Methylene Chloride	4.41	84	224091	4.131	ppbv	97
26) Hexane	5.78	57	139288	1.345	ppbv #	46
34) 2-Butanone	5.35	43	28922	0.227	ppbv	97
35) Carbon Tetrachloride	7.14	117	14076m	0.075	ppbv	
36) Benzene	7.00	78	83502m	0.466	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	41735m	0.137	ppbv	
53) Toluene	9.95	91	1093719	5.693	ppbv	99
59) m/p-Xylene	13.12	91	67898m	0.274	ppbv	
60) o-Xylene	13.85	91	25050m	0.103	ppbv	

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

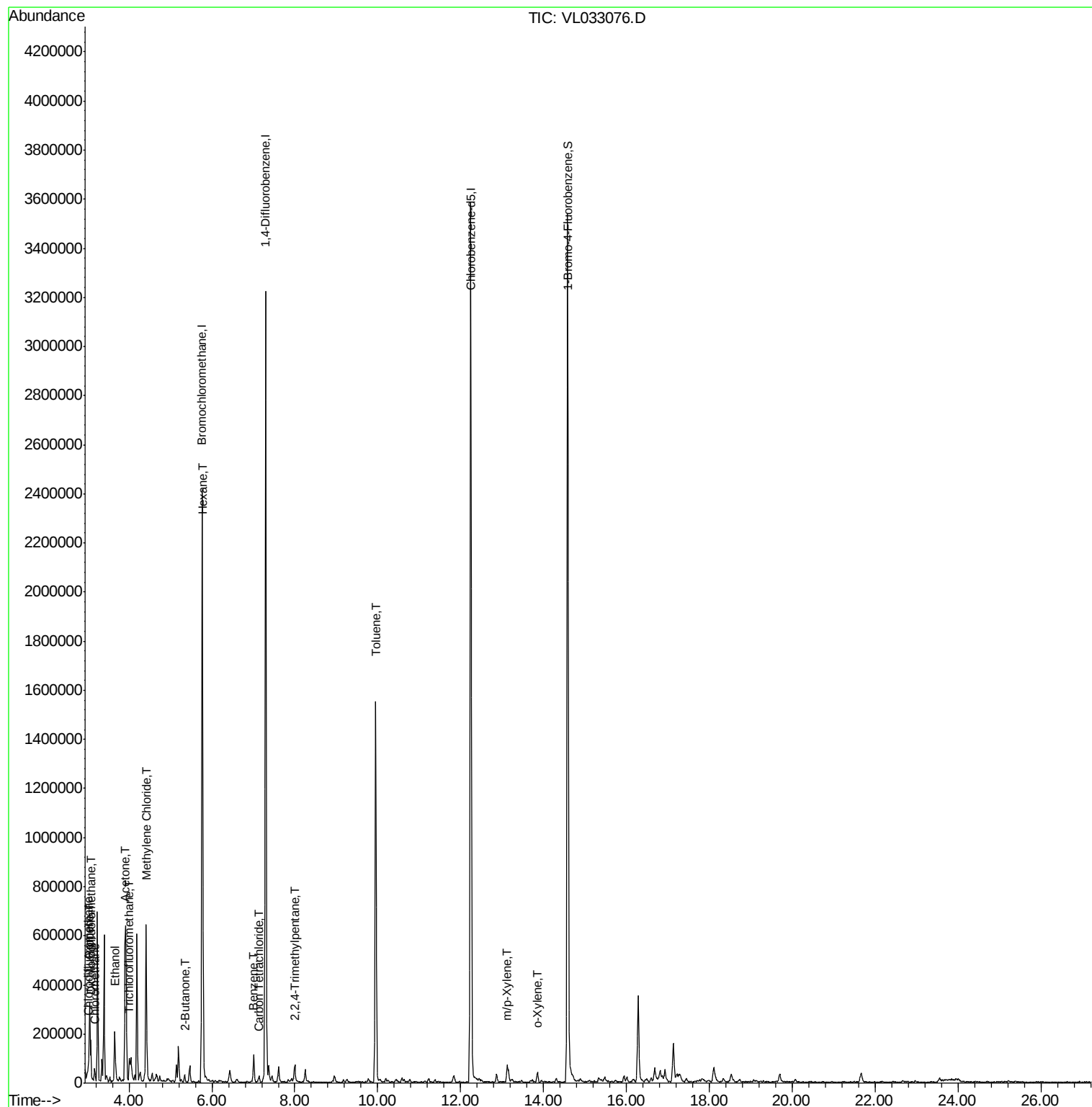
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010419\
Data File : VL033076.D
Acq On : 4 Jan 2019 20:25
Operator : SY/AP
Sample : J6594-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

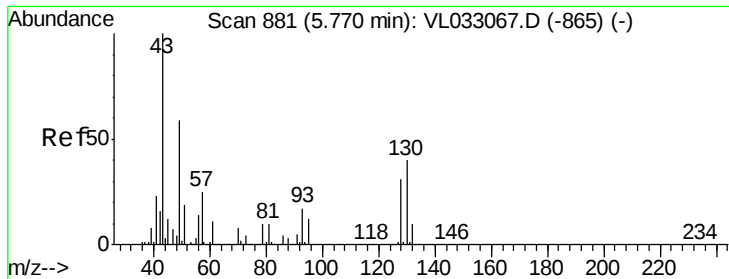
Instrument :
MSVOA_L
ClientSampleId :
SVI-OA1-2018-12-19

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1/8/2019 12:01:24 AM

Quant Time: Jan 05 02:58:22 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: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Instrument :

MSVOA_L

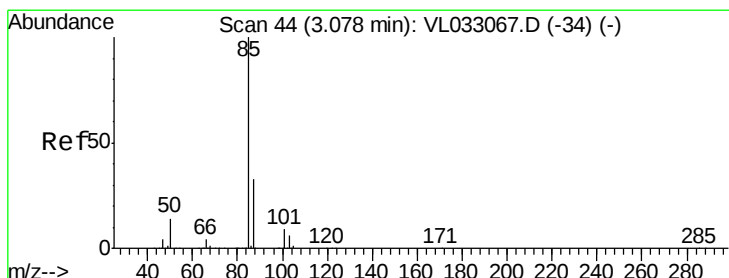
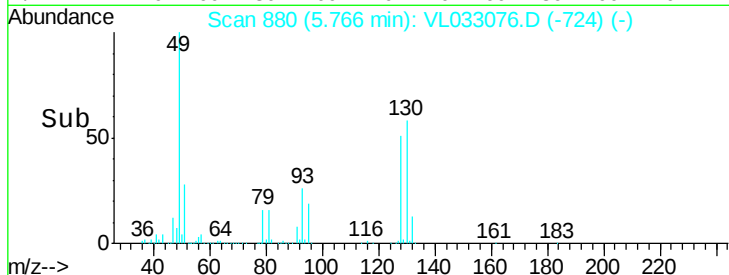
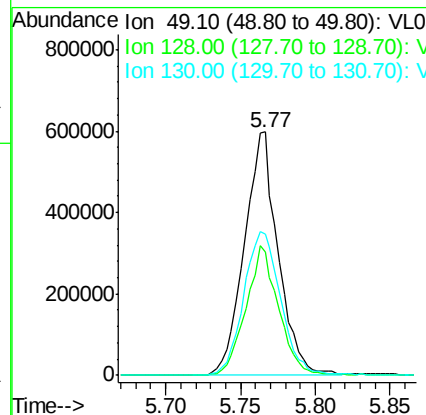
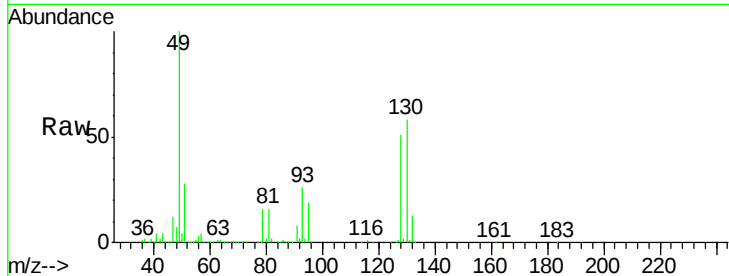
ClientSampleId :

SVI-OA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.9	26.2	78.5
130	64.9	33.6	100.6

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#2

Dichlorodifluoromethane

Concen: 0.605 ppbv

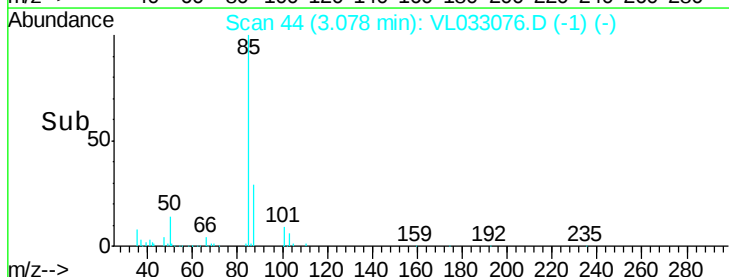
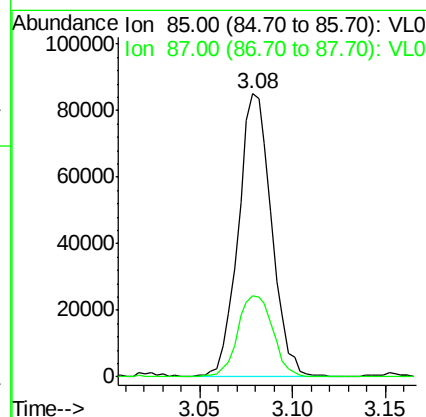
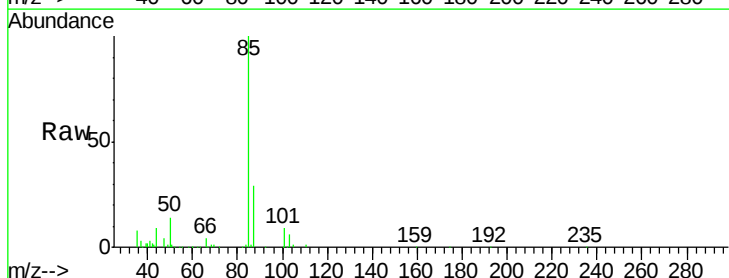
RT: 3.08 min Scan# 44

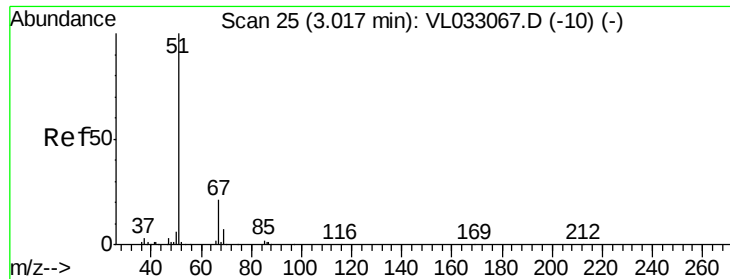
Delta R.T. 0.00 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.8	26.3	39.5





#3

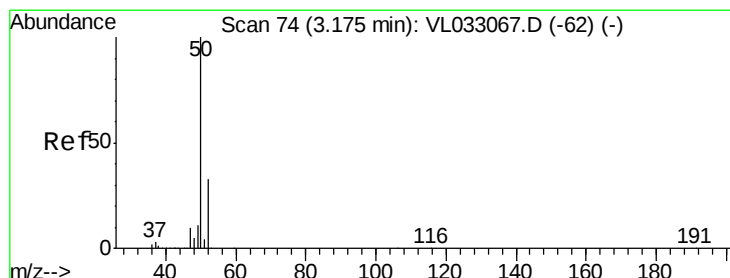
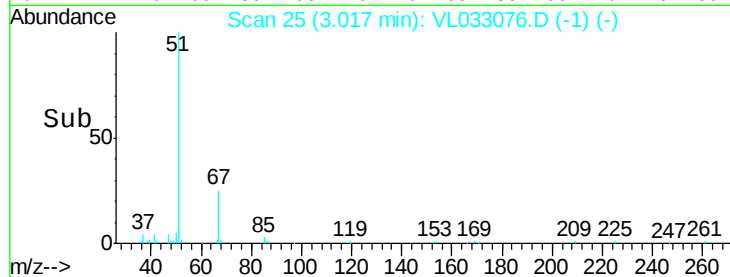
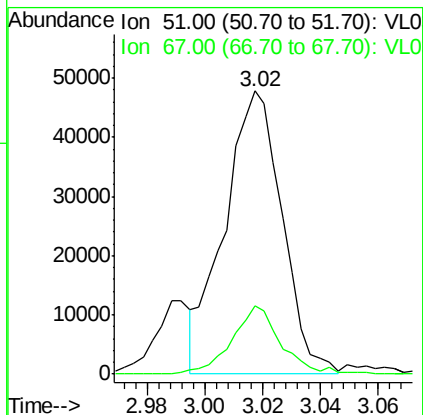
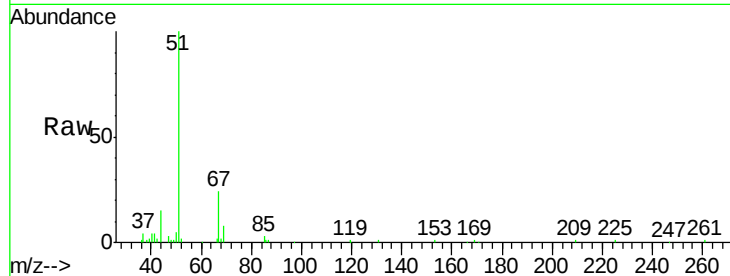
Chlorodifluoromethane
Concen: 0.623 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033076.D
Acq: 4 Jan 2019 20:25

Instrument :
MSVOA_L
ClientSampleId :
SVI-OA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.4	16.3	24.5

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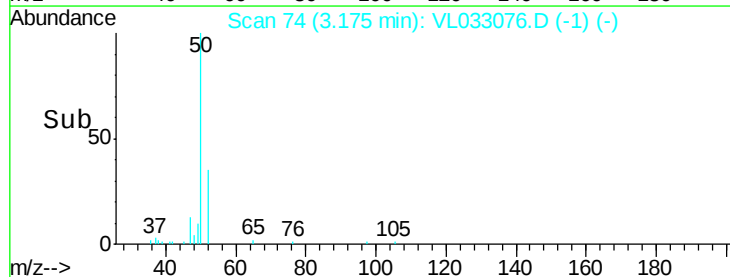
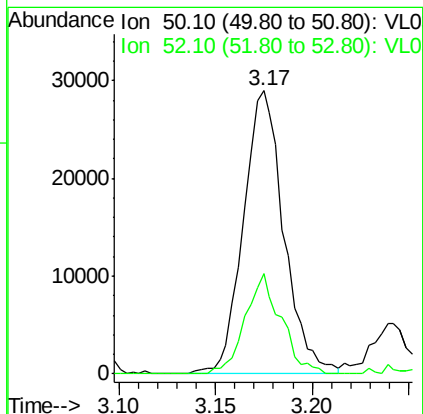
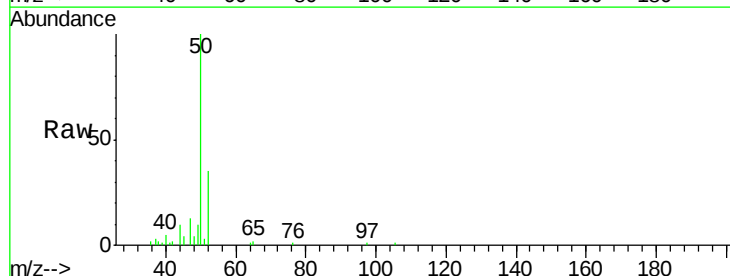
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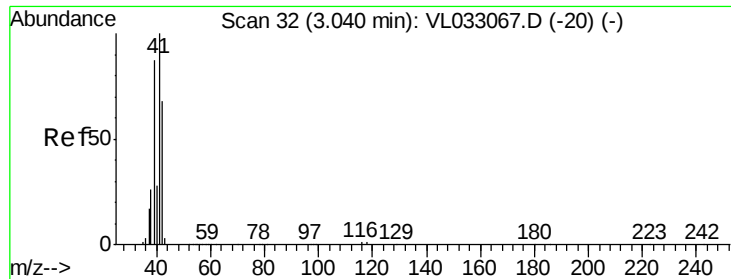


#4

Chloromethane
Concen: 0.692 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033076.D
Acq: 4 Jan 2019 20:25

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.4	26.9	40.3





#9

Propene

Concen: 2.169 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Instrument :

MSVOA_L

ClientSampleId :

SVI-OA1-2018-12-19

Tot Ion: 41 Resp: 86208

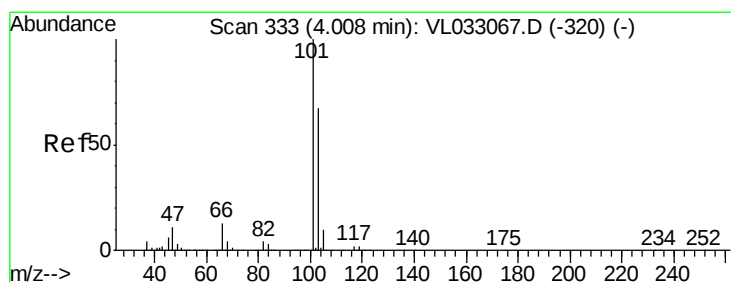
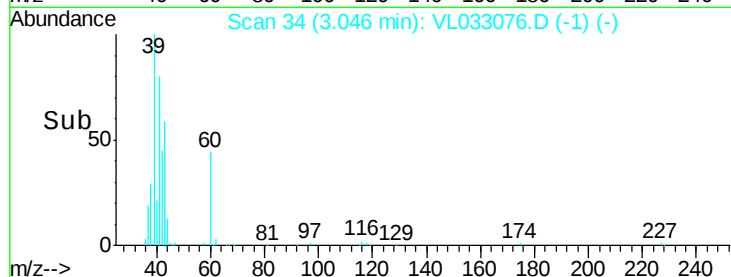
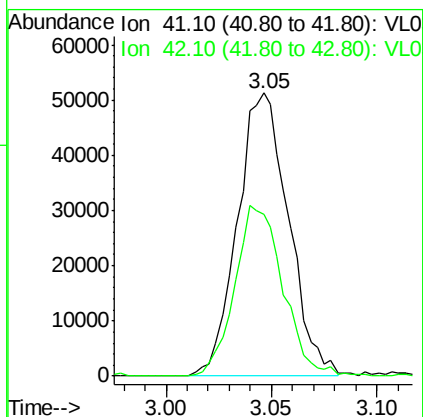
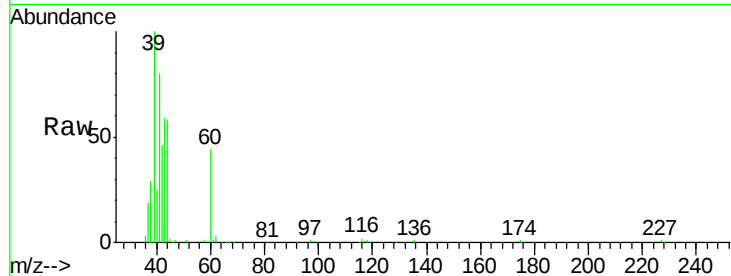
Ion Ratio Lower Upper

41 100

42 57.1 55.3 82.9

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#11

Trichlorofluoromethane

Concen: 0.275 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033076.D

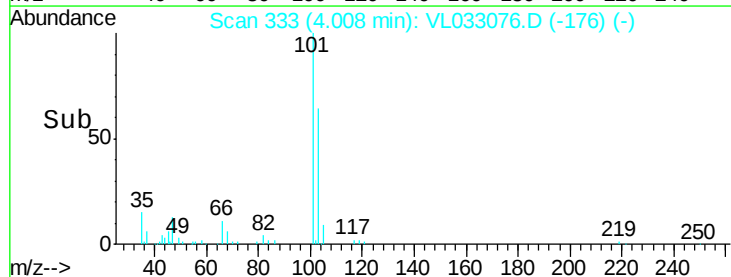
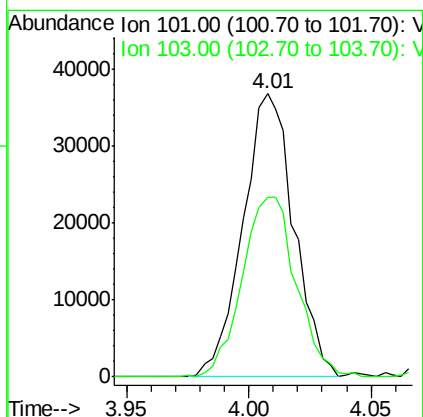
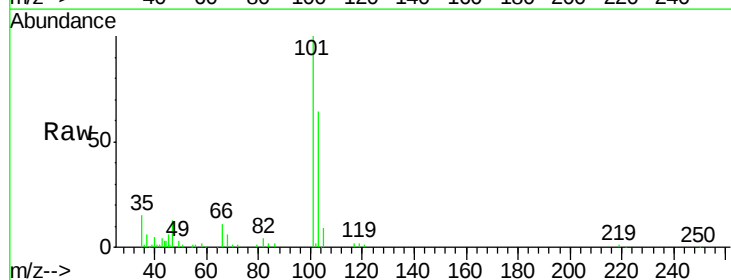
Acq: 4 Jan 2019 20:25

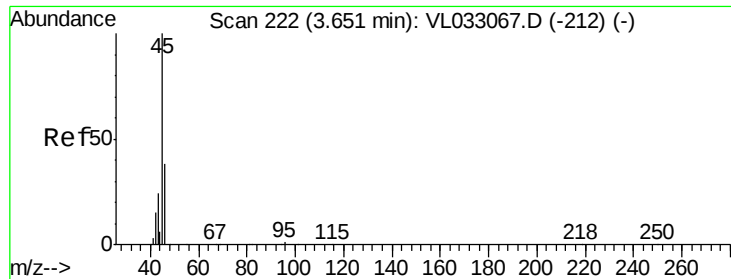
Tgt Ion: 101 Resp: 53186

Ion Ratio Lower Upper

101 100

103 63.2 51.7 77.5





#13

Ethanol

Concen: 13.592 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Instrument :

MSVOA_L

ClientSampleId :

SVI-OA1-2018-12-19

Tot Ion: 45 Resp: 215473

Ion Ratio Lower Upper

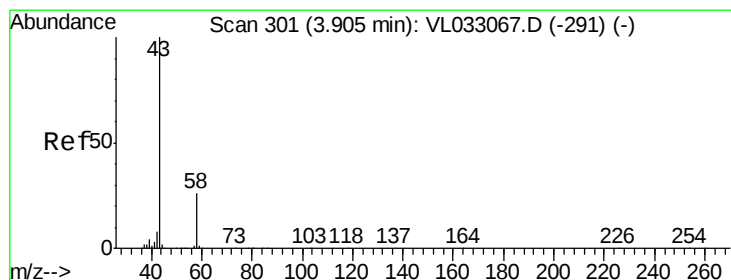
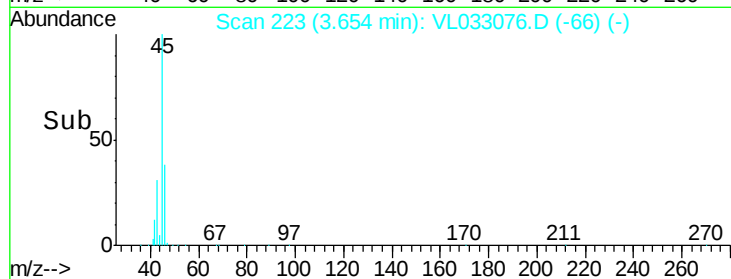
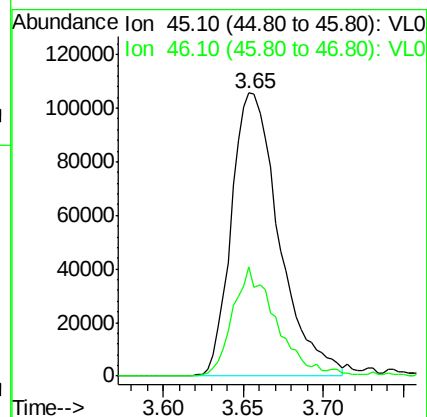
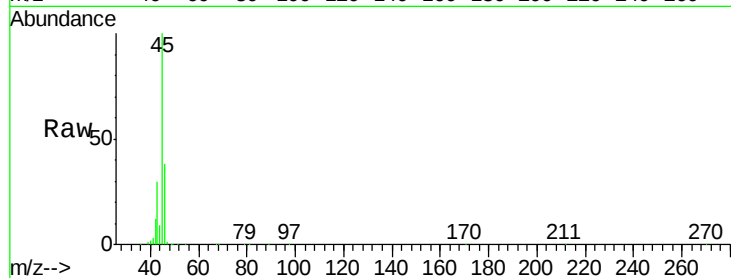
45 100

46 36.2 13.8 55.2

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#15

Acetone

Concen: 5.050 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033076.D

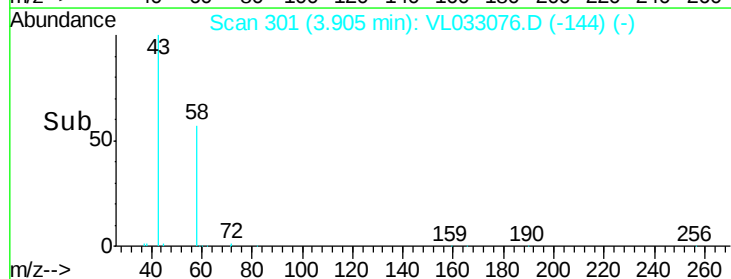
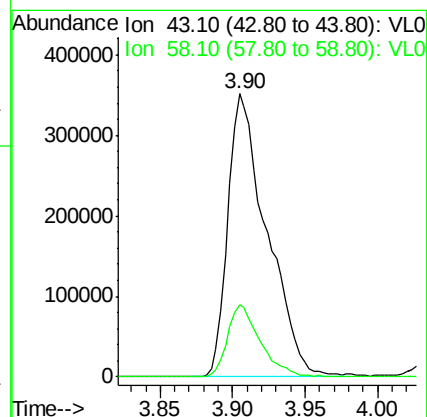
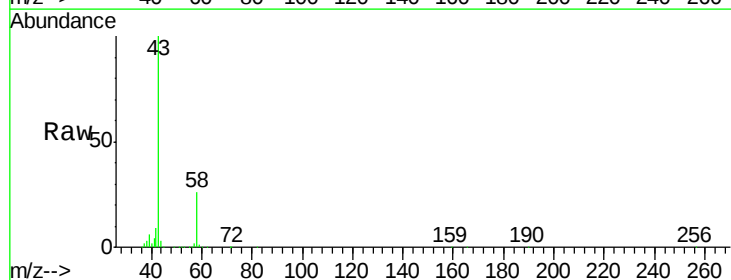
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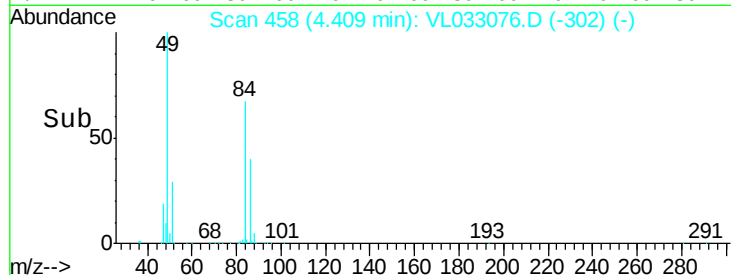
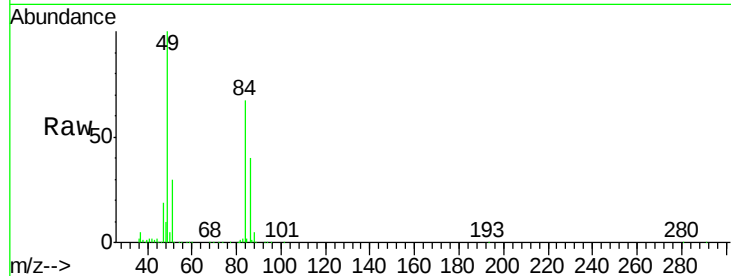
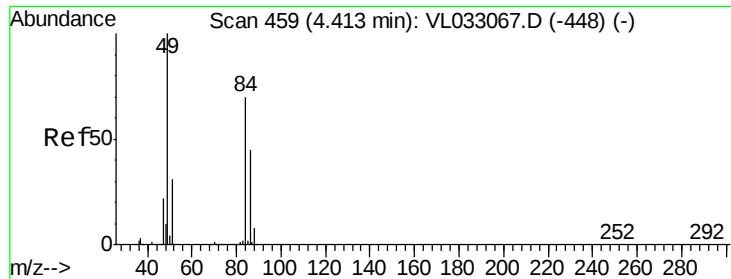
Tgt Ion: 43 Resp: 657073

Ion Ratio Lower Upper

43 100

58 21.5 21.1 31.7





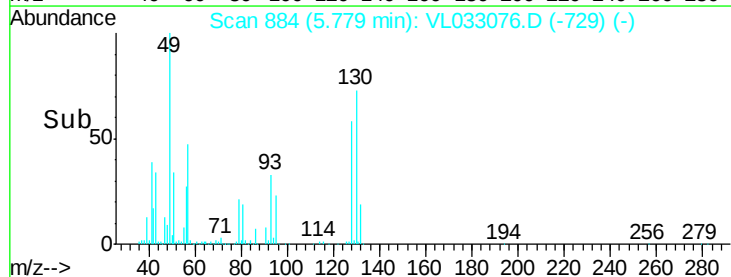
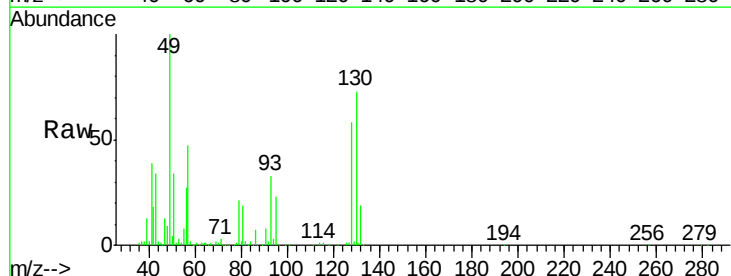
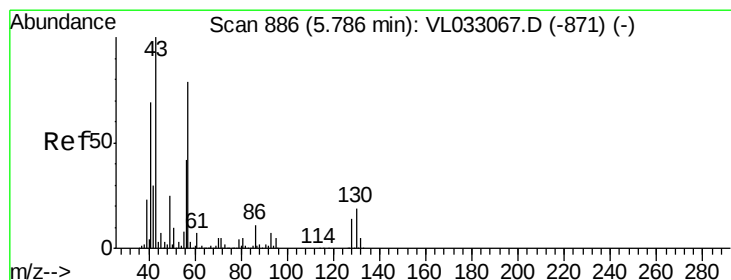
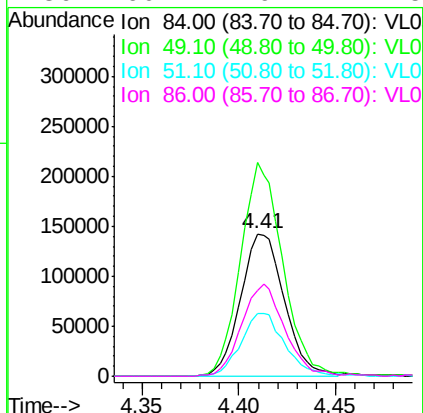
#20
Methvlene Chloride
Concen: 4.131 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033076.D
Acq: 4 Jan 2019 20:25

Tot Ion	Ratio	Lower	Upper
84	100		
49	149.9	115.8	173.6
51	44.0	35.7	53.5
86	60.4	49.7	74.5

Instrument :
MSVOA_L
ClientSampleId :
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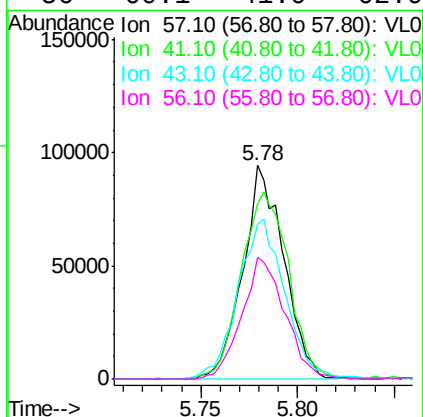
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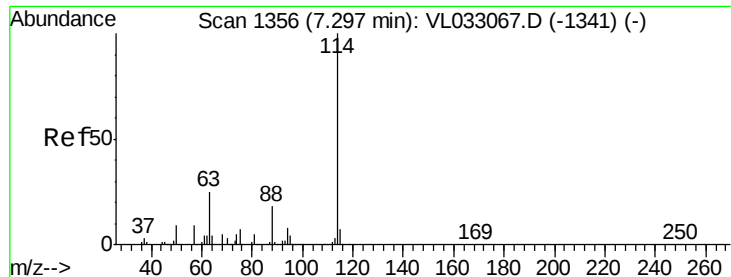
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#26
Hexane
Concen: 1.345 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033076.D
Acq: 4 Jan 2019 20:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.6	70.8	106.2
43	85.9	171.8	257.6#
56	60.1	41.9	62.9





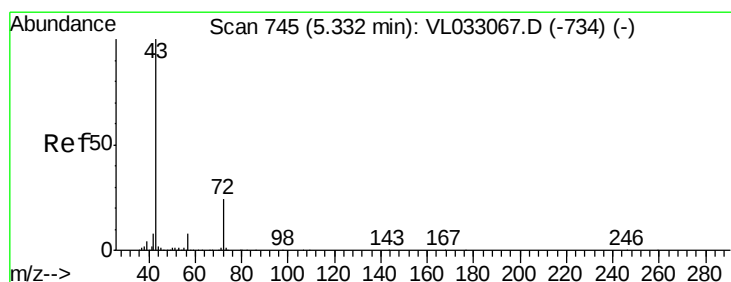
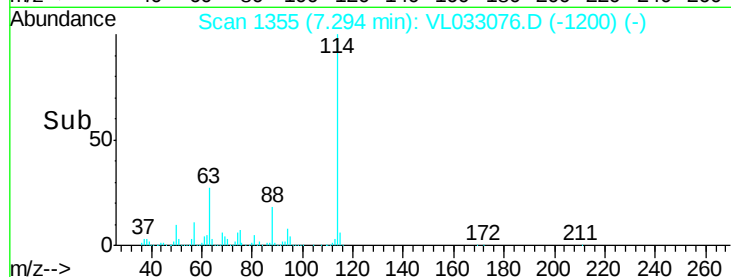
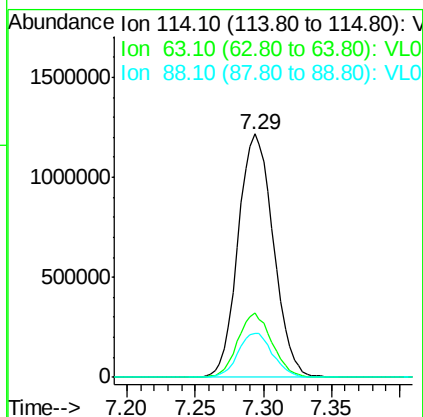
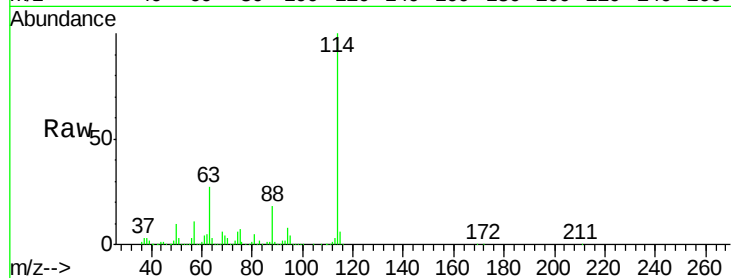
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033076.D
 Acq: 4 Jan 2019 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-OA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.1	30.1
88	17.9	14.0	21.0

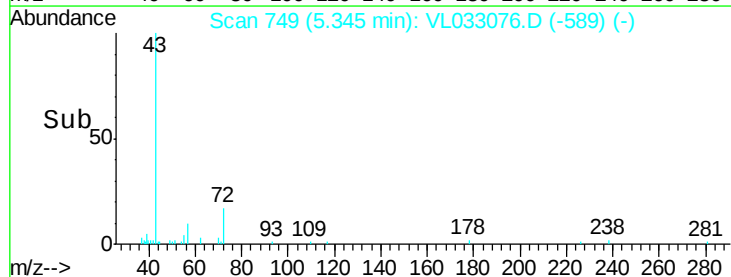
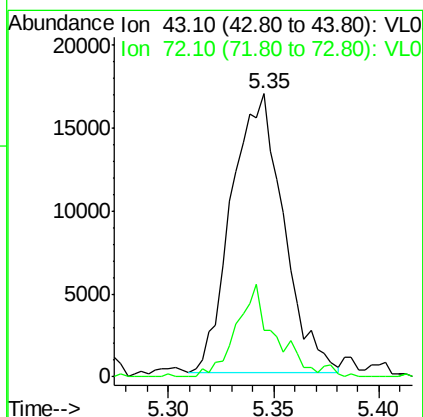
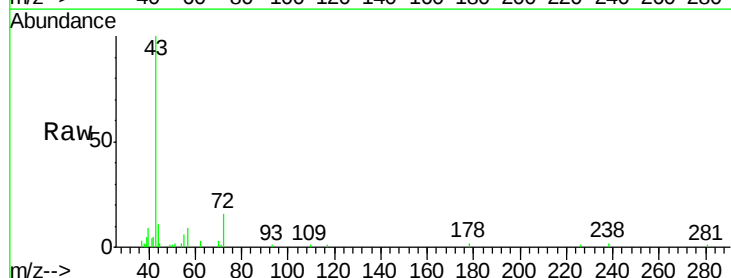
Manual Integrations
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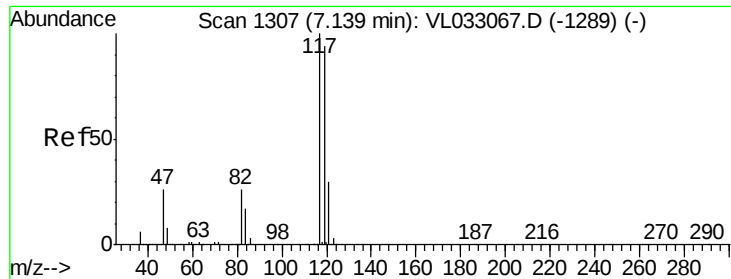
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#34
 2-Butanone
 Concen: 0.227 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL033076.D
 Acq: 4 Jan 2019 20:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.9	28.3





#35

Carbon Tetrachloride

Concen: 0.075 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Instrument :

MSVOA_L

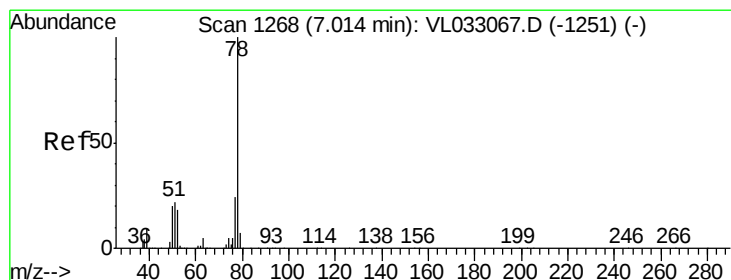
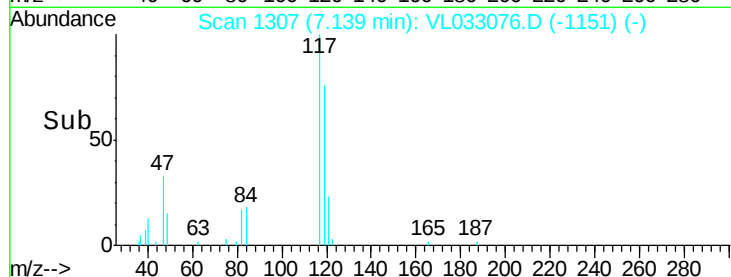
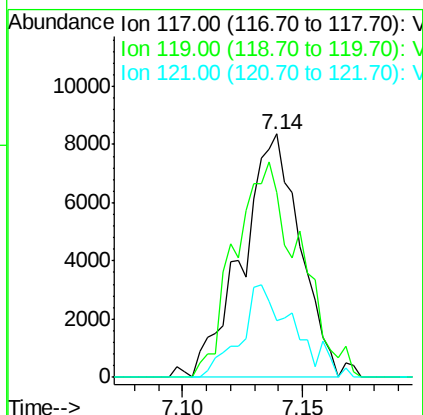
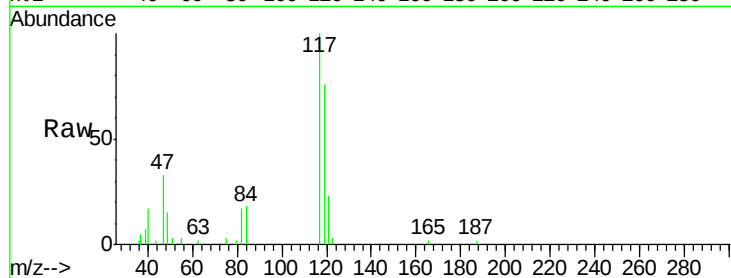
ClientSampleId :

SVI-OA1-2018-12-19

Tot Ion:	117	Resp:	14076
Ion Ratio	Lower	Upper	
117	100		
119	75.9	76.5	114.7#
121	23.5	25.2	37.8#

Manual Integrations
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1/8/2019 12:01:24 AM



#36

Benzene

Concen: 0.466 ppbv m

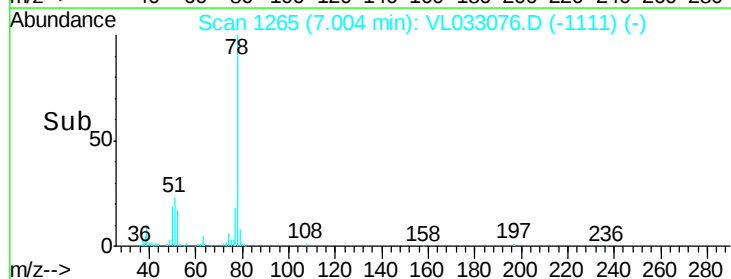
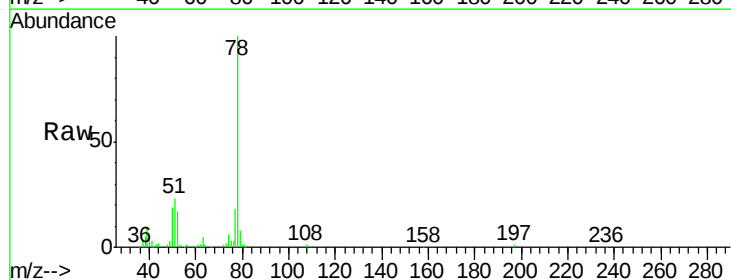
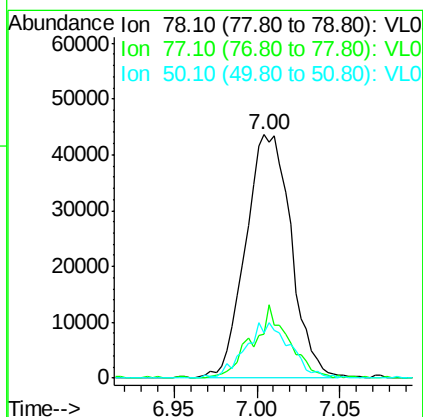
RT: 7.00 min Scan# 1265

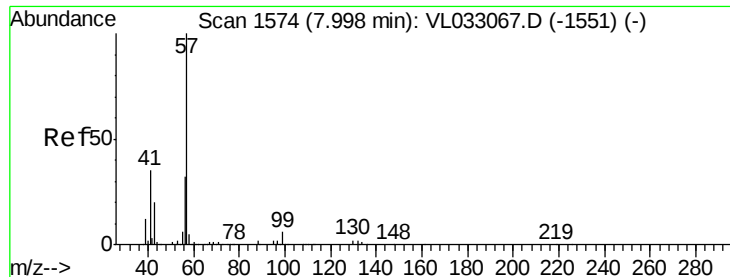
Delta R.T. -0.01 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Tgt Ion:	78	Resp:	83502
Ion Ratio	Lower	Upper	
78	100		
77	17.9	18.5	27.7#
50	18.8	15.7	23.5





#44

2,2,4-Trimethylpentane

Concen: 0.137 ppbv m

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Instrument :

MSVOA_L

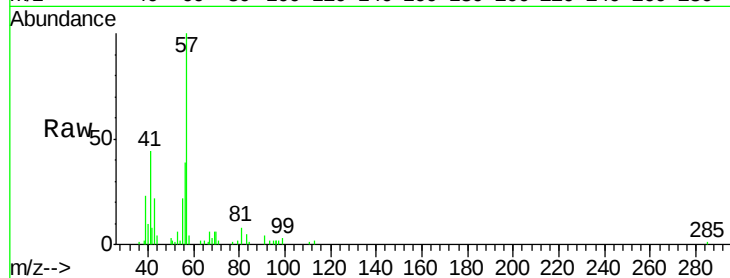
ClientSampleId :

SVI-OA1-2018-12-19

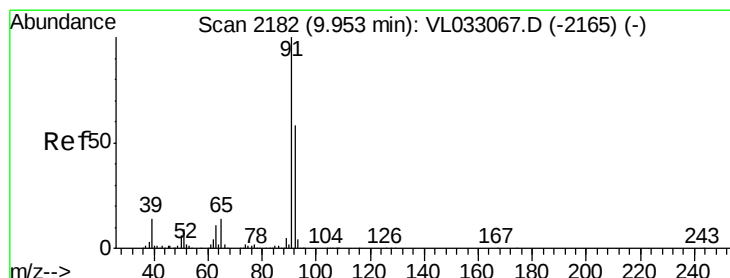
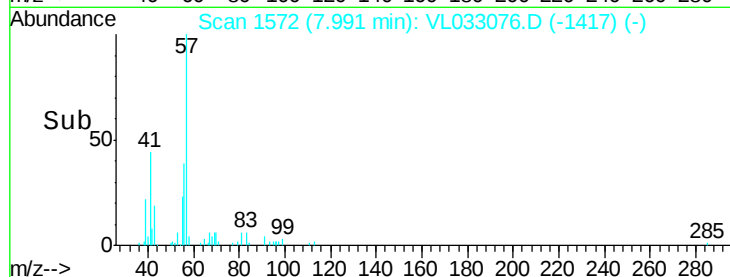
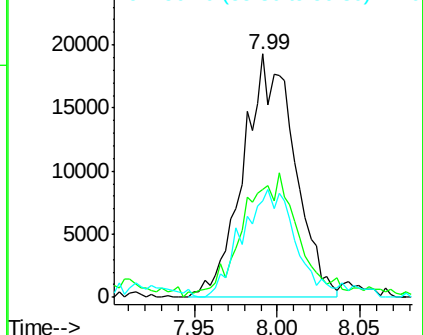
Tot Ion:	57	Resp:	41735
Ion Ratio	Lower	Upper	
57	100		
41	0.0	26.2	39.2#
56	0.0	24.9	37.3#

Manual Integrations
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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#53

Toluene

Concen: 5.693 ppbv

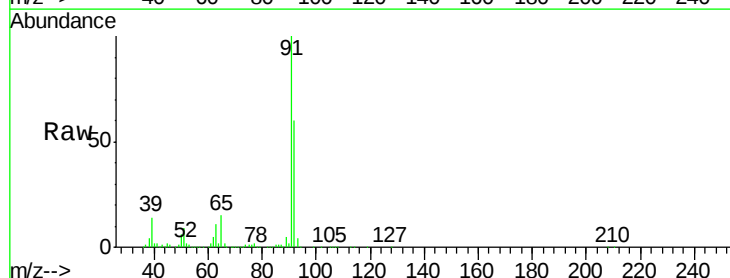
RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

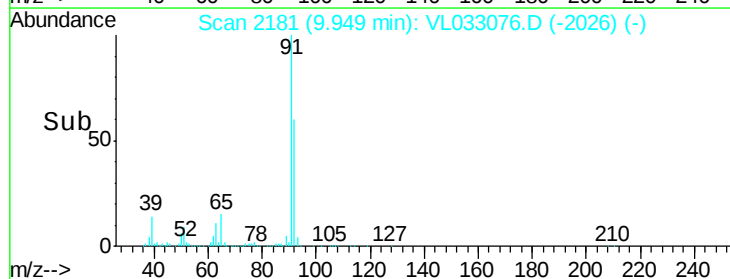
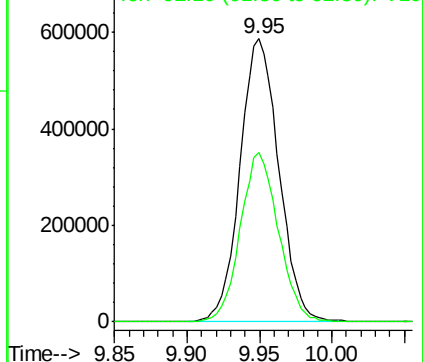
Lab File: VL033076.D

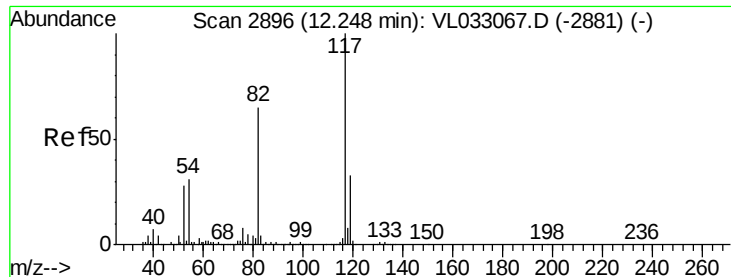
Acq: 4 Jan 2019 20:25

Tgt Ion:	91	Resp:	1093719
Ion Ratio	Lower	Upper	
91	100		
92	58.7	47.7	71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





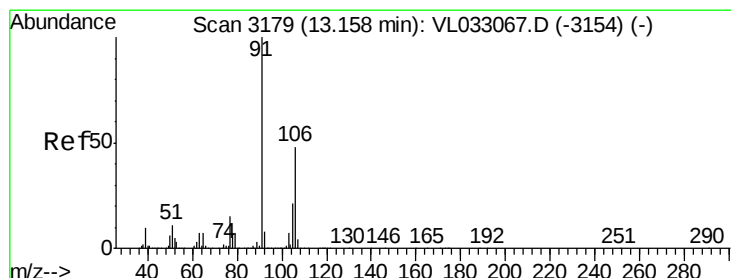
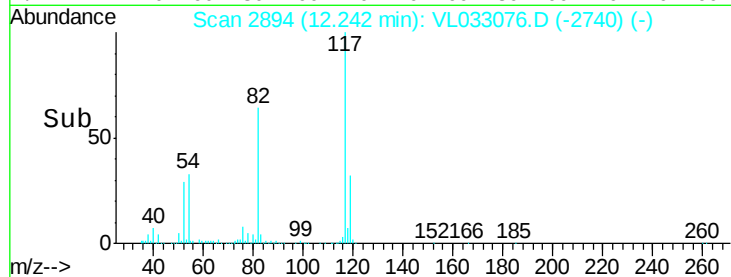
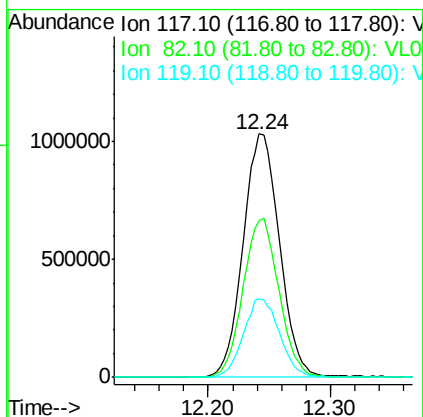
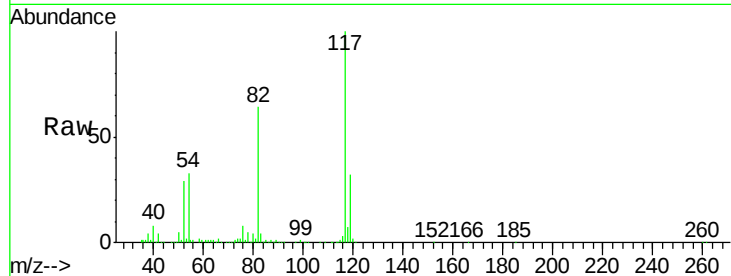
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033076.D
Acq: 4 Jan 2019 20:25

Instrument :
MSVOA_L
ClientSampleId :
SVI-OA1-2018-12-19

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	48.9	73.3
119	32.1	24.6	37.0

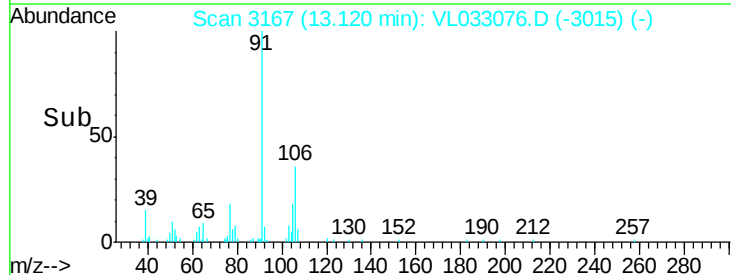
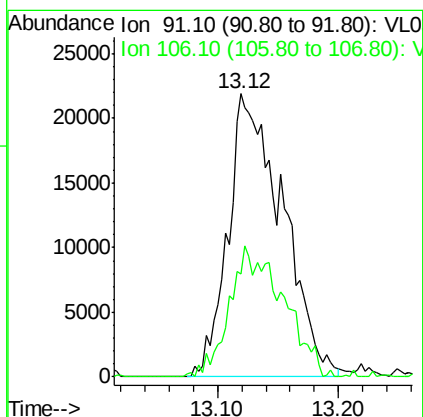
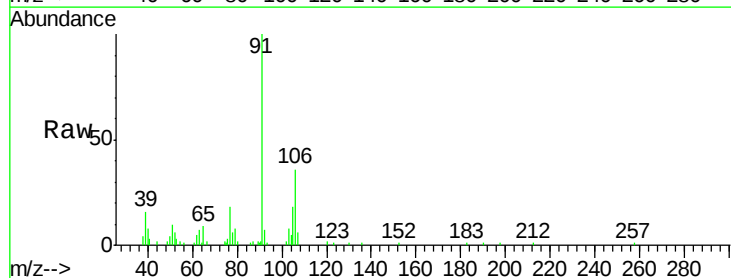
Manual Integrations
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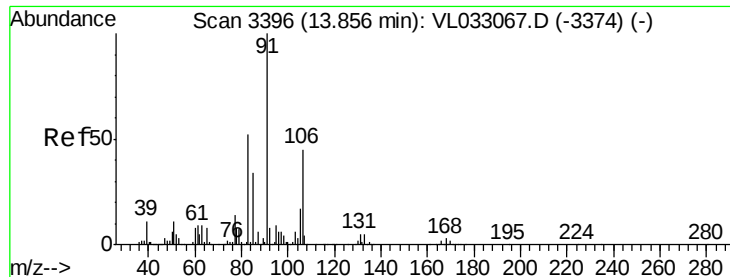
MMDadoda
1/8/2019 12:01:24 AM



#59
m/p-Xylene
Concen: 0.274 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL033076.D
Acq: 4 Jan 2019 20:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.9	0.0	0.0#





#60

o-Xylene

Concen: 0.103 ppbv m

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Instrument :

MSVOA_L

ClientSampleId :

SVI-OA1-2018-12-19

Tot Ion: 91 Resp: 25050

Ion Ratio Lower Upper

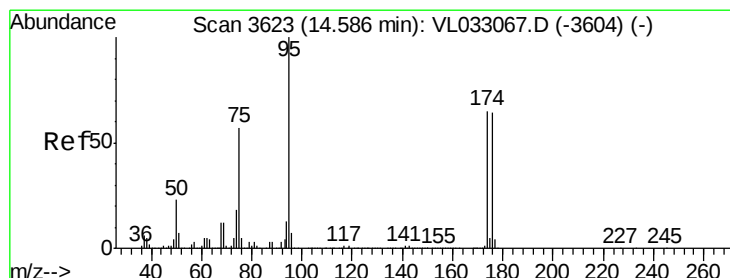
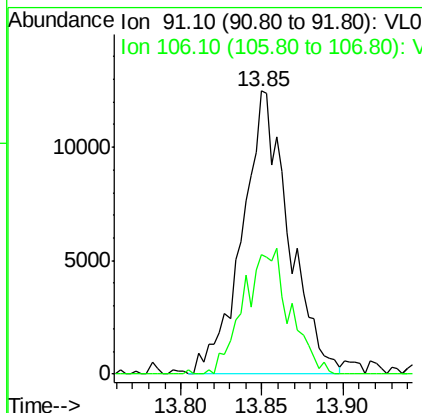
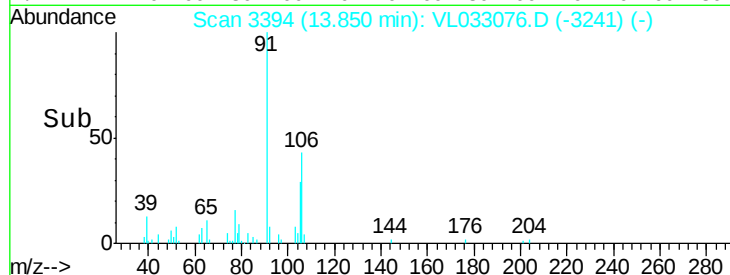
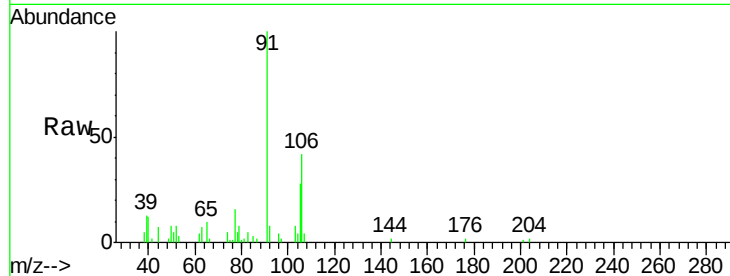
91 100

106 0.0 22.1 66.5#

Manual Integrations
APPROVED

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL033076.D

Acq: 4 Jan 2019 20:25

Tgt Ion: 95 Resp: 1639696

Ion Ratio Lower Upper

95 100

174 63.7 51.9 77.9

175 4.7 3.9 5.9

