

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033377.D
 Acq On : 19 Mar 2019 3:16
 Operator : SY/AP
 Sample : K1952-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 L1HA-OA1

Manual Integrations
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MMDadoda
 3/21/2019 12:15:39 PM

Quant Time: Mar 20 11:13:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 11:13:53 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	736724	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1665829	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1819382	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1395605	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	71508	0.552	ppbv	94
3) Chlorodifluoromethane	3.01	51	22700m	0.268	ppbv	
4) Chloromethane	3.17	50	23450	0.512	ppbv	98
9) Propene	3.05	41	38061m	1.008	ppbv	
11) Trichlorofluoromethane	4.00	101	31796	0.246	ppbv	86
13) Ethanol	3.65	45	727108	40.406	ppbv	98
15) Acetone	3.90	43	294656m	2.573	ppbv	
19) Isopropyl Alcohol	4.03	45	128278	2.355	ppbv #	96
20) Methylene Chloride	4.41	84	116336	3.115	ppbv	96
26) Hexane	5.78	57	69466	0.933	ppbv #	71
34) 2-Butanone	5.33	43	57106	0.522	ppbv	97
35) Carbon Tetrachloride	7.14	117	8046m	0.069	ppbv	
36) Benzene	7.00	78	37781m	0.253	ppbv	
52) Tetrachloroethene	11.37	164	5182m	0.083	ppbv	
53) Toluene	9.94	91	1966755	11.610	ppbv	100
59) m/p-Xylene	13.12	91	40834m	0.185	ppbv	

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

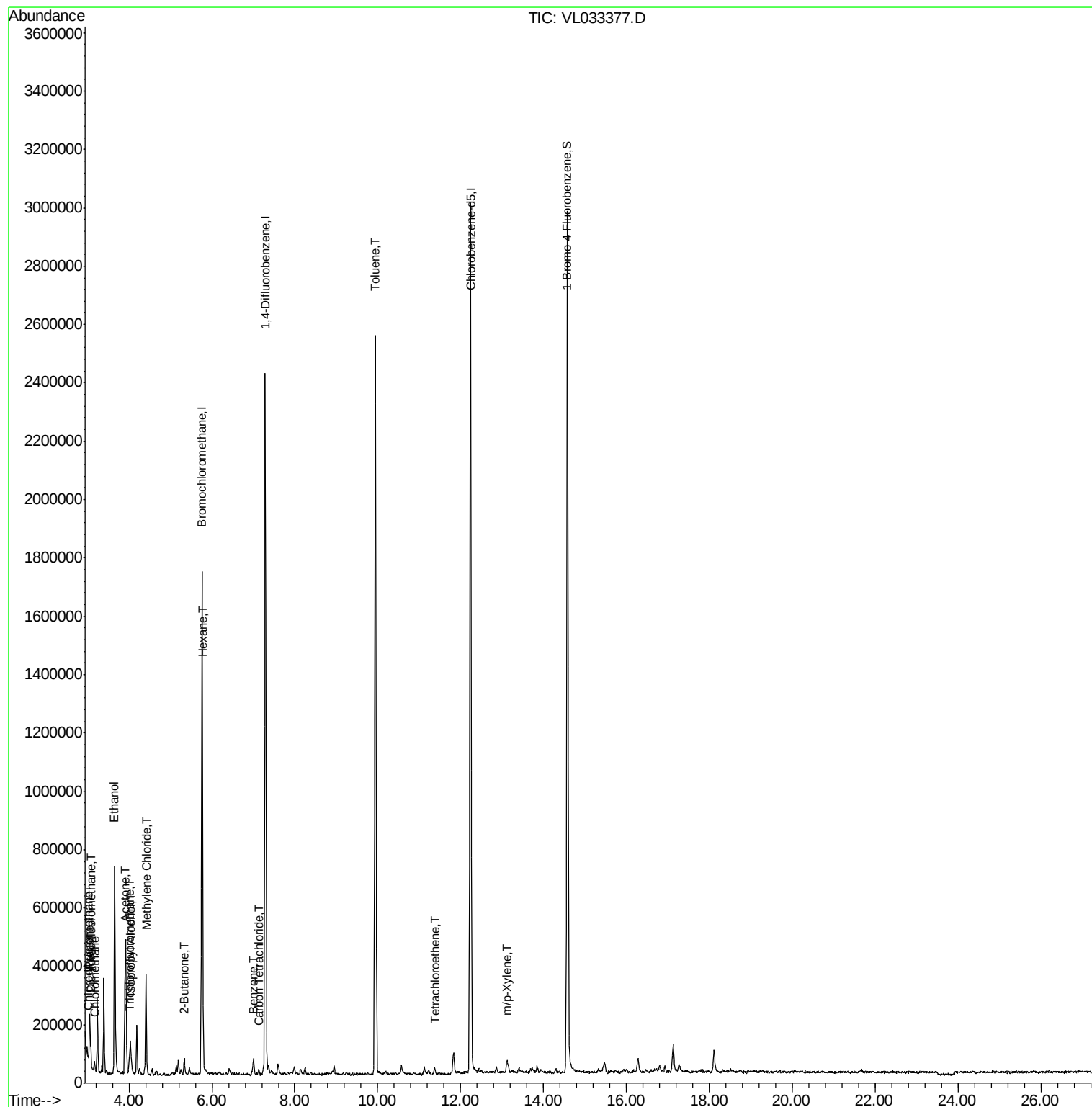
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033377.D
Acq On : 19 Mar 2019 3:16
Operator : SY/AP
Sample : K1952-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

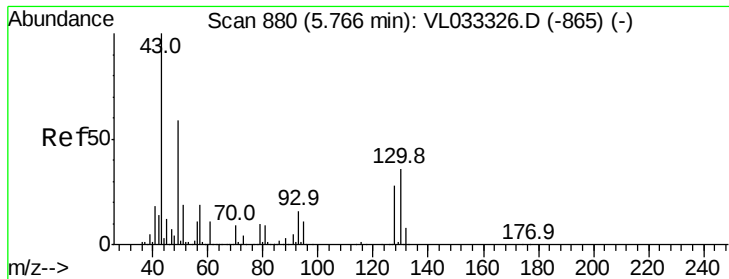
Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Manual Integrations
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Quant Time: Mar 20 11:13:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

Instrument :

MSVOA_L

ClientSampled :

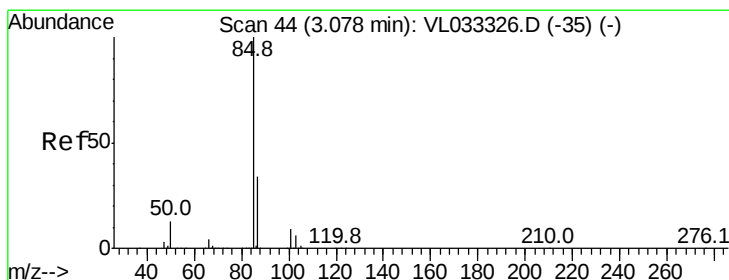
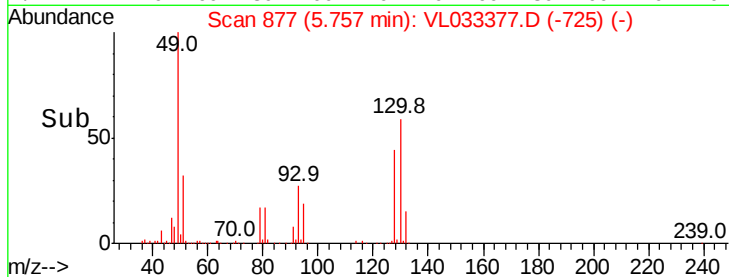
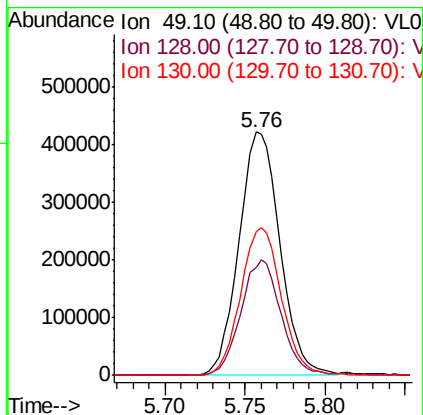
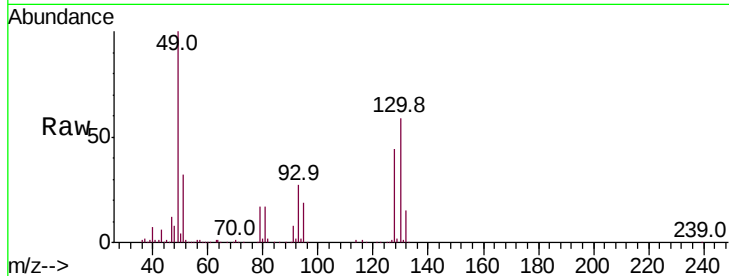
L1HA-OA1

Tot Ion: 49 Resp: 736724

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.5	70.6
130	60.7	30.1	90.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.552 ppbv

RT: 3.07 min Scan# 43

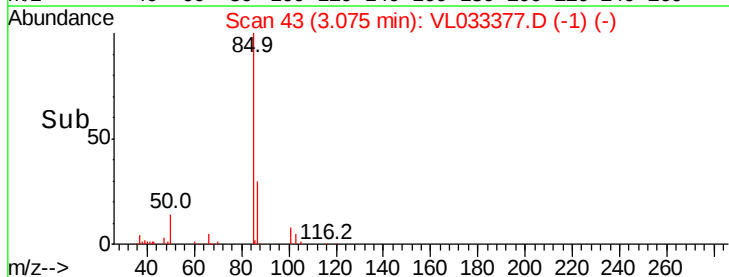
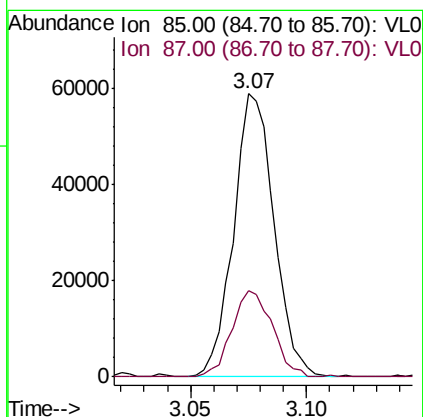
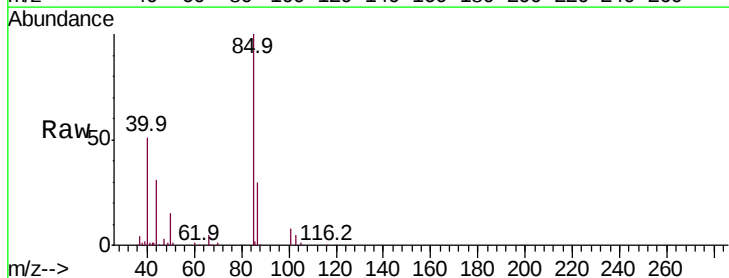
Delta R.T. -0.00 min

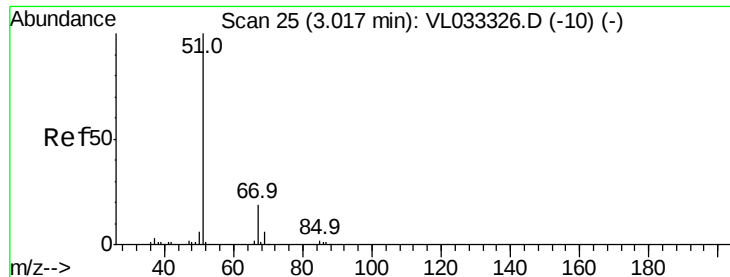
Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

Tgt Ion: 85 Resp: 71508

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.9	40.3





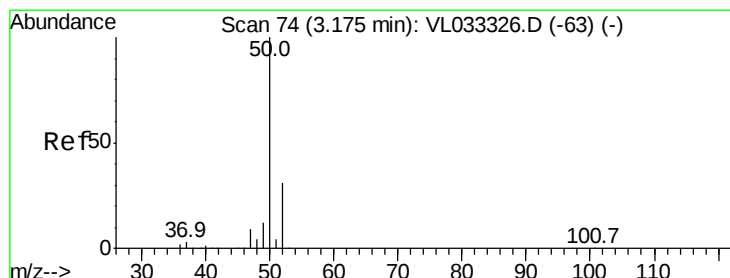
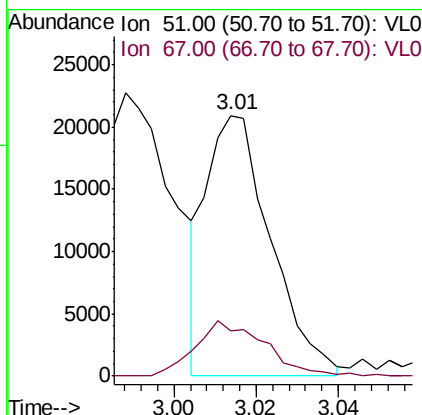
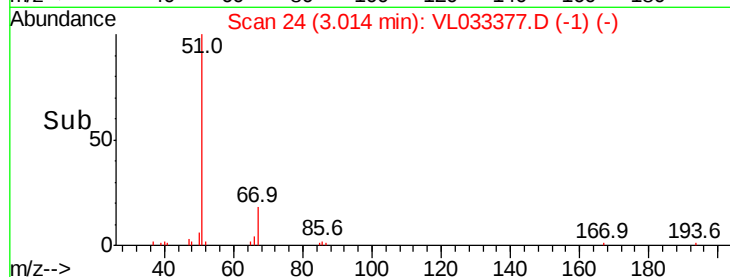
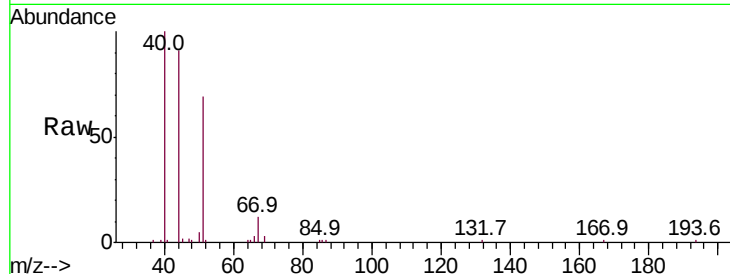
#3
Chlorodifluoromethane
Concen: 0.268 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Tot Ion: 51 Resp: 22700
Ion Ratio Lower Upper
51 100
67 23.3 14.9 22.3#

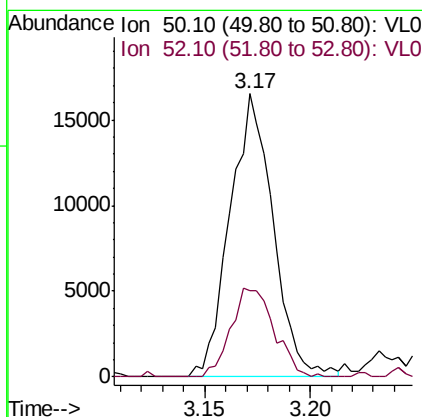
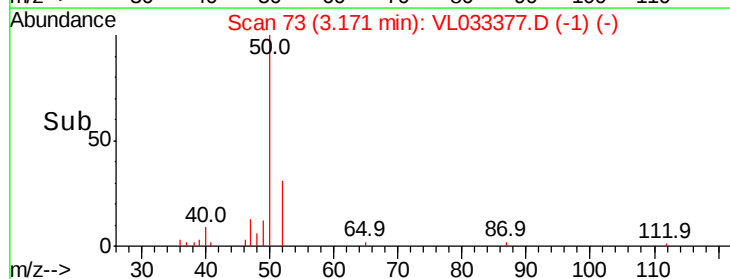
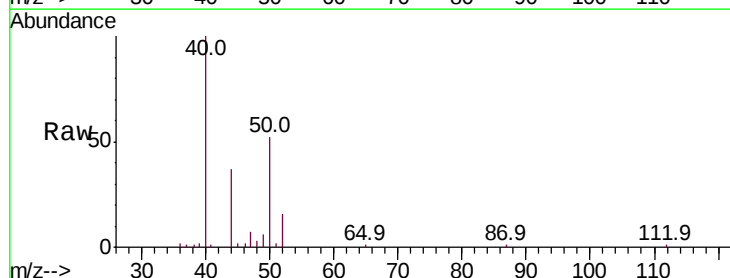
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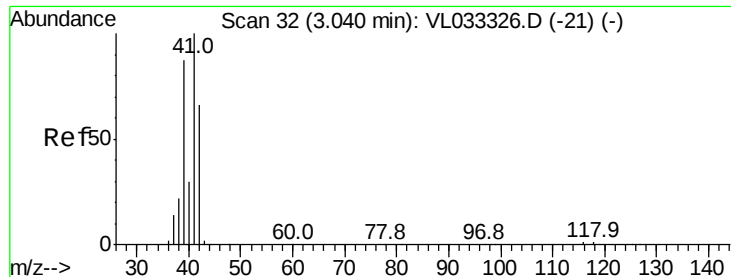
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#4
Chloromethane
Concen: 0.512 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Tgt Ion: 50 Resp: 23450
Ion Ratio Lower Upper
50 100
52 30.3 25.0 37.6





#9

Propene

Concen: 1.008 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

Instrument :

MSVOA_L

ClientSampled :

L1HA-OA1

Tot Ion: 41 Resp: 38061

Ion Ratio Lower Upper

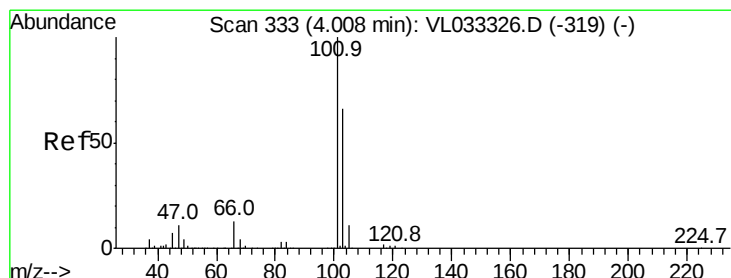
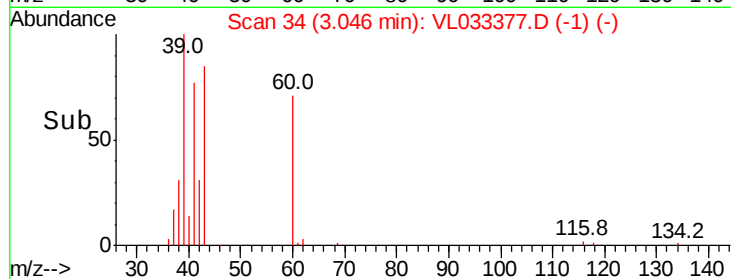
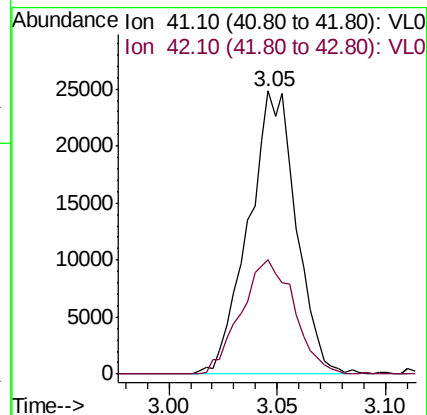
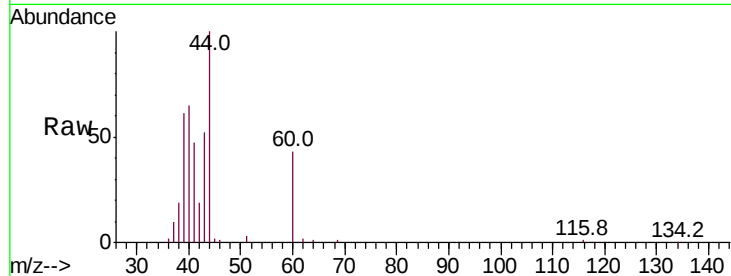
41 100

42 110.0 55.2 82.8#

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#11

Trichlorofluoromethane

Concen: 0.246 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033377.D

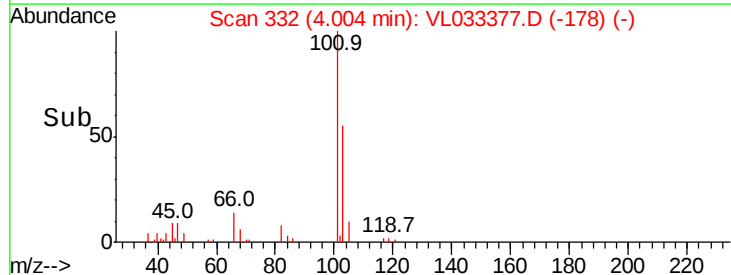
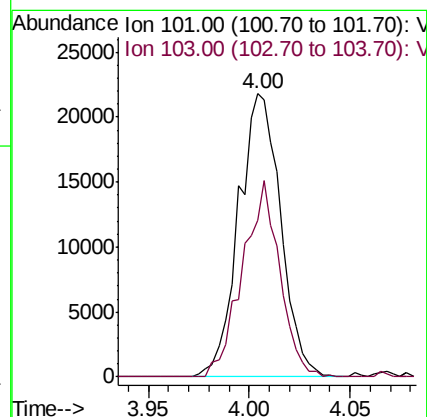
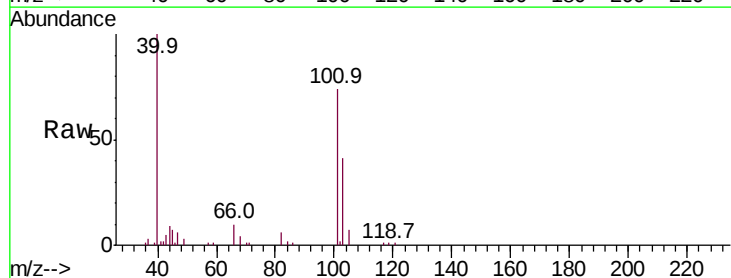
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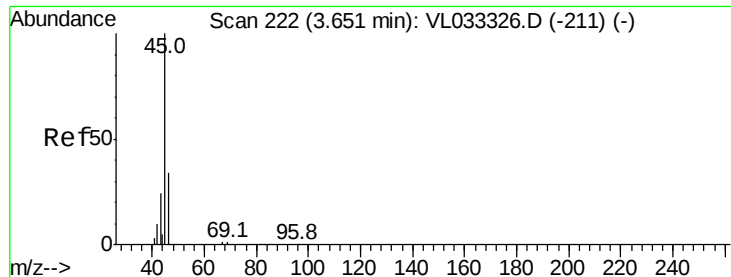
Tgt Ion: 101 Resp: 31796

Ion Ratio Lower Upper

101 100

103 55.1 52.9 79.3





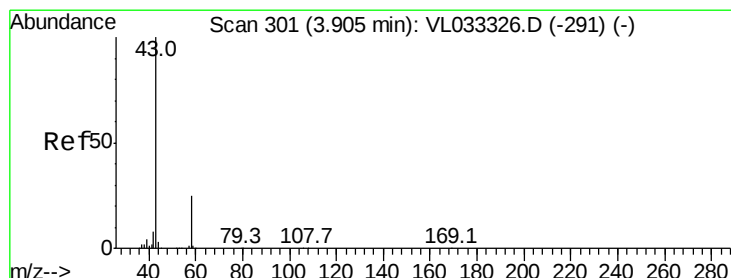
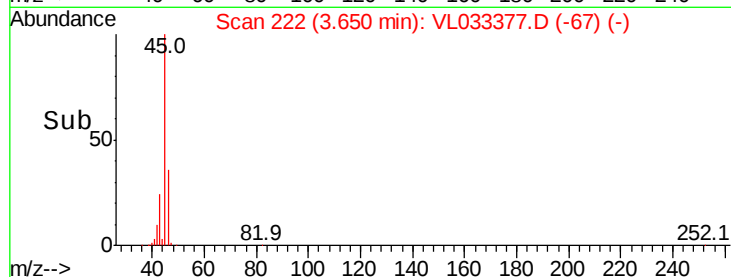
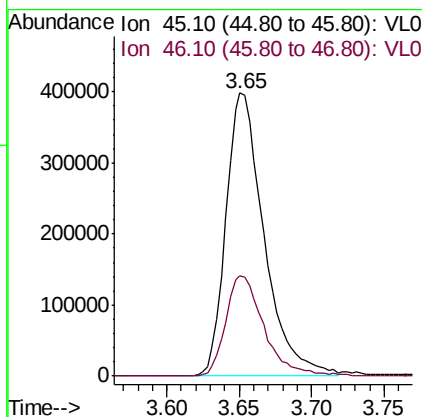
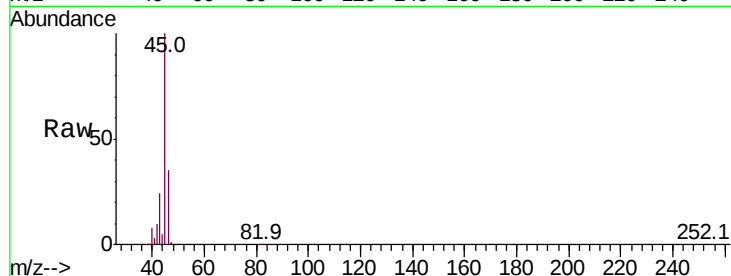
#13
Ethanol
Concen: 40.406 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.0	14.9	59.7

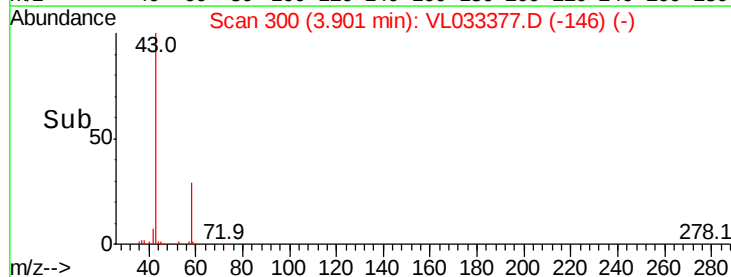
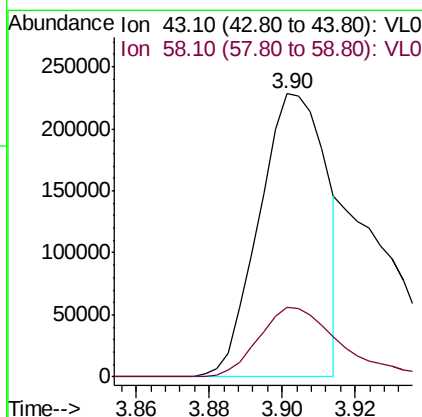
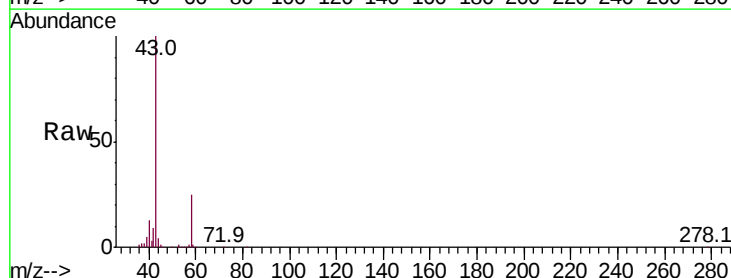
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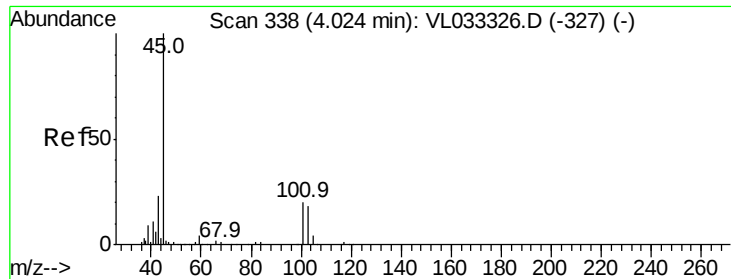
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#15
Acetone
Concen: 2.573 ppbv m
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	20.4	30.6





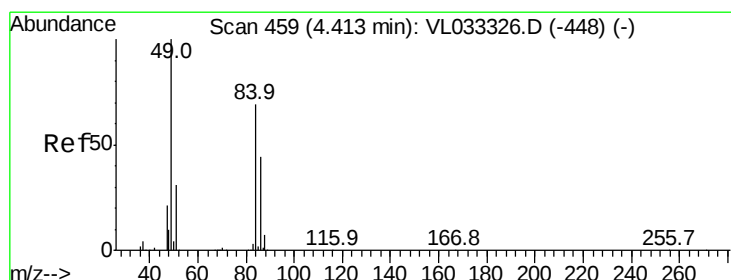
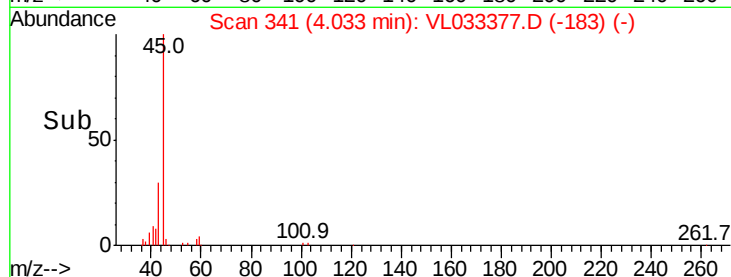
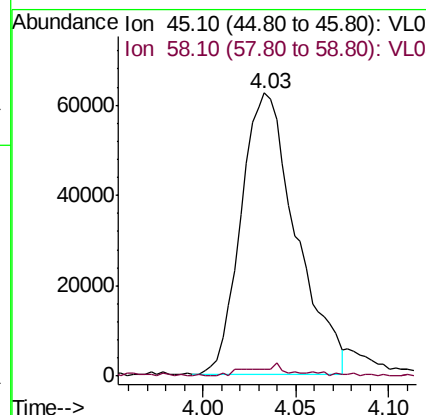
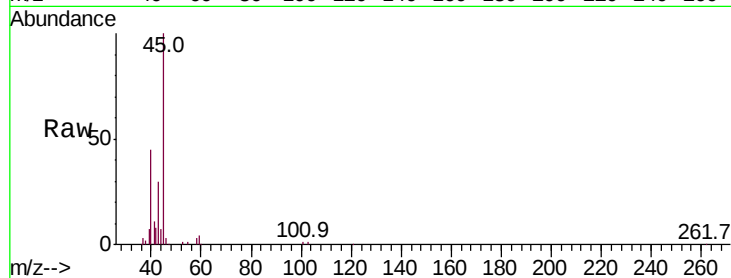
#19
Isopropyl Alcohol
Concen: 2.355 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Tot Ion: 45 Resp: 128278
Ion Ratio Lower Upper
45 100
58 3.2 1.5 2.3#

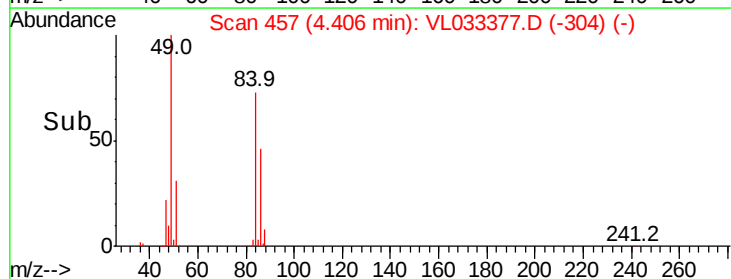
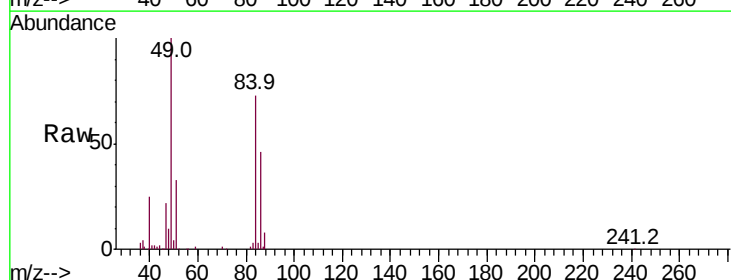
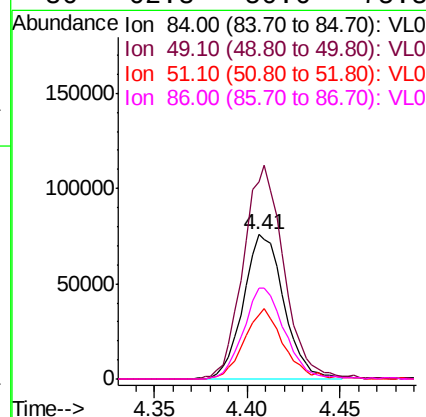
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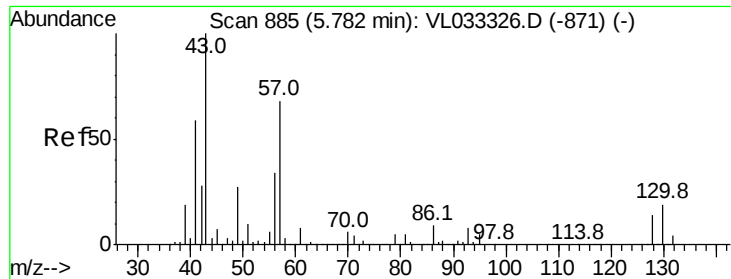
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#20
Methylene Chloride
Concen: 3.115 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Tgt Ion: 84 Resp: 116336
Ion Ratio Lower Upper
84 100
49 136.3 115.4 173.0
51 44.4 35.8 53.6
86 62.8 50.6 75.8





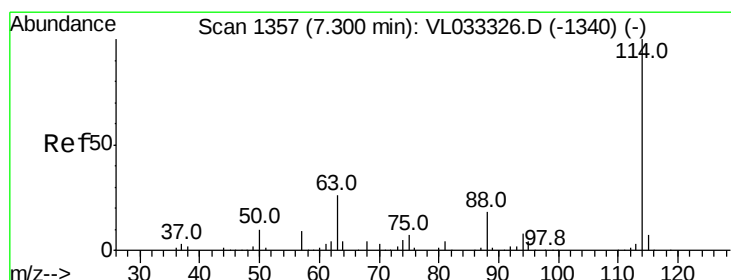
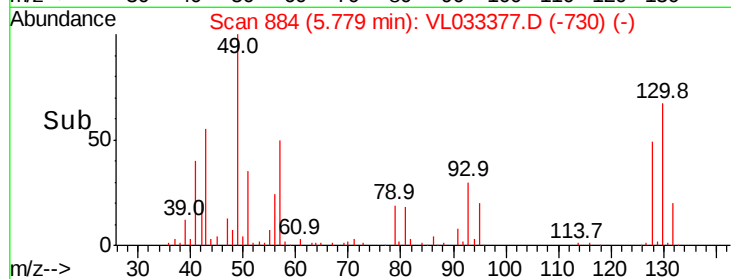
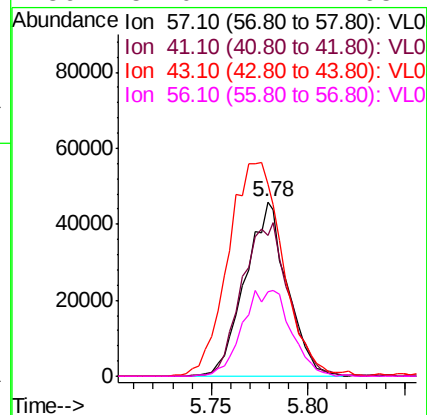
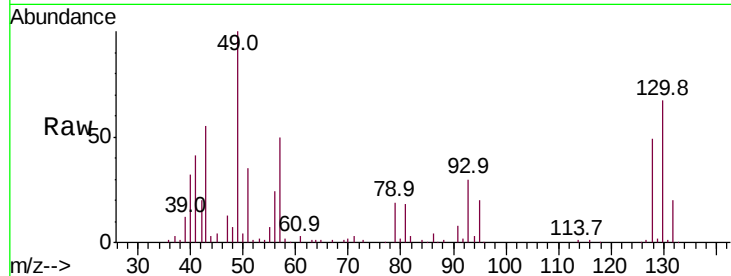
#26
Hexane
Concen: 0.933 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Tot Ion: 57 Resp: 69466
Ion Ratio Lower Upper
57 100
41 99.2 70.5 105.7
43 160.7 181.8 272.8#
56 57.0 42.2 63.2

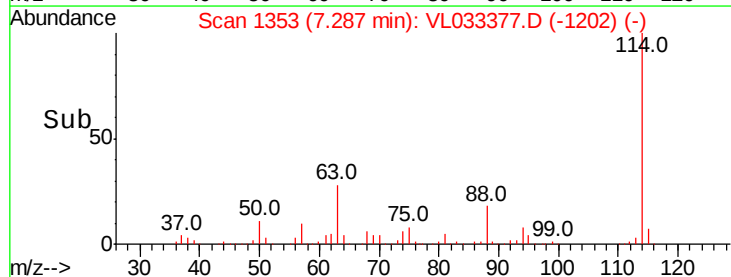
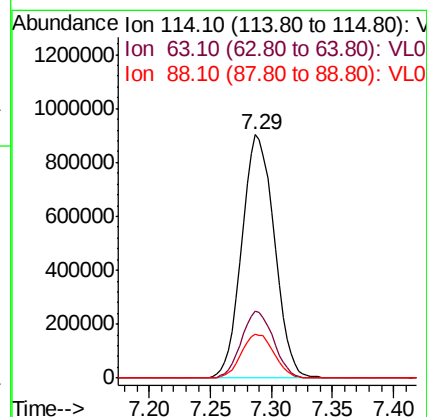
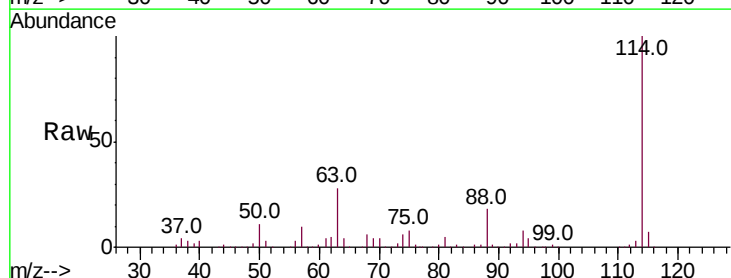
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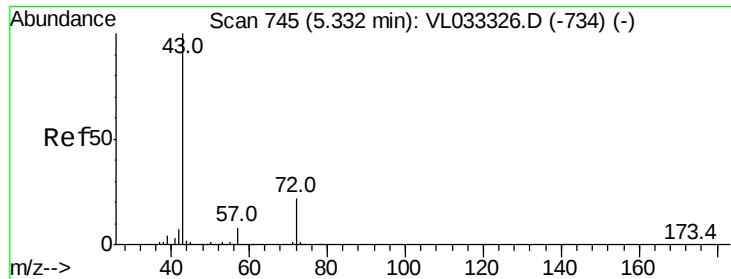
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Tgt Ion:114 Resp: 1665829
Ion Ratio Lower Upper
114 100
63 27.1 21.4 32.2
88 18.2 14.5 21.7





#34

2-Butanone

Concen: 0.522 ppbv

RT: 5.33 min Scan# 745

Delta R.T. -0.00 min

Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

Instrument :

MSVOA_L

ClientSampleId :

L1HA-OA1

Tot Ion: 43 Resp: 57106

Ion Ratio Lower Upper

43 100

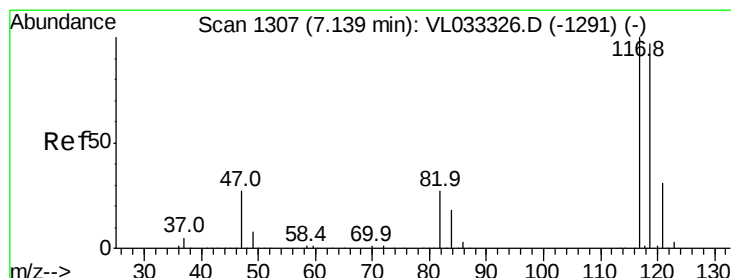
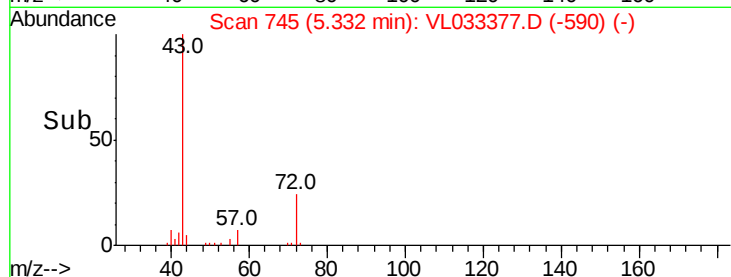
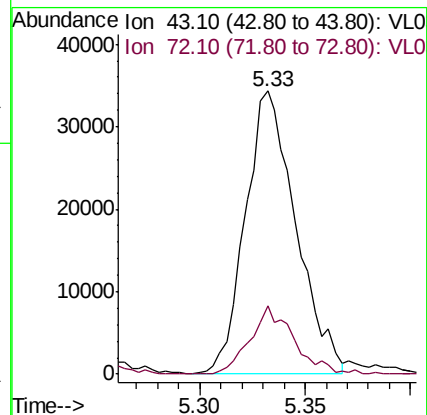
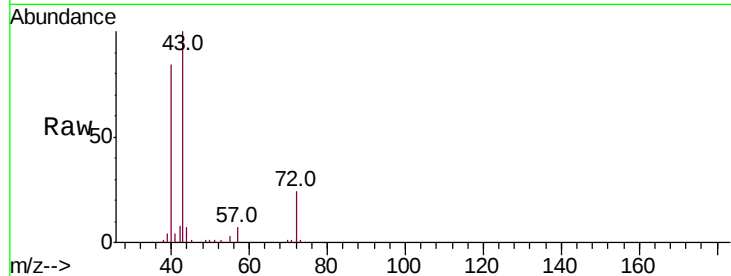
72 20.8 17.7 26.5

Manual Integrations

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3/21/2019 12:15:39 PM



#35

Carbon Tetrachloride

Concen: 0.069 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

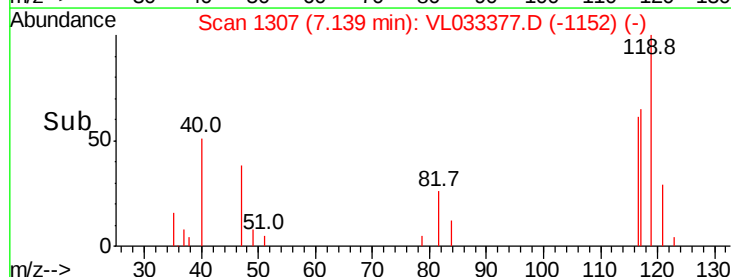
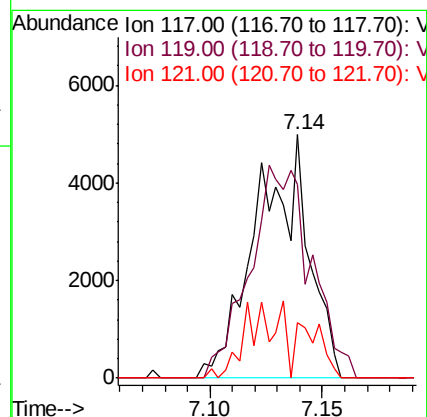
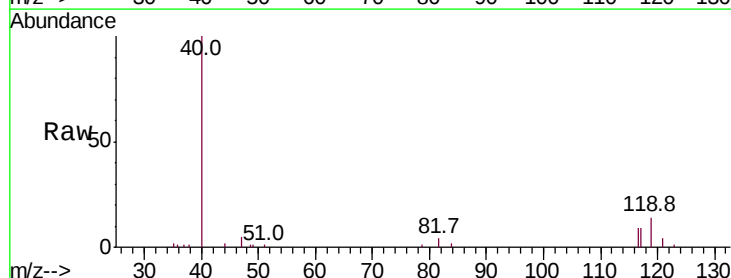
Tgt Ion: 117 Resp: 8046

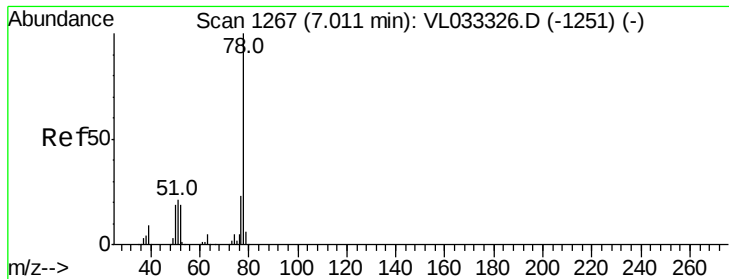
Ion Ratio Lower Upper

117 100

119 153.6 77.4 116.0#

121 44.4 24.9 37.3#





#36

Benzene

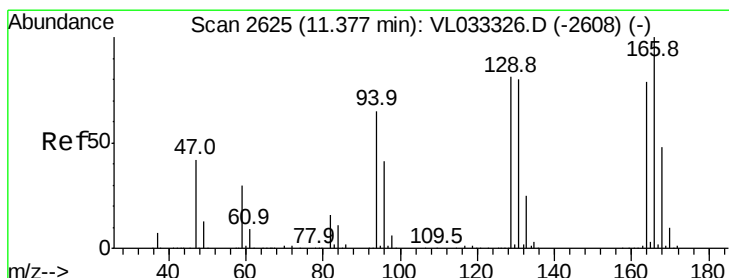
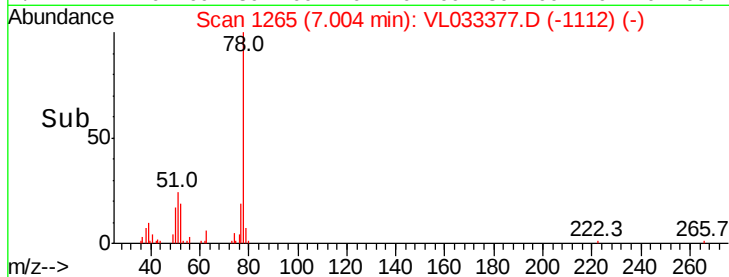
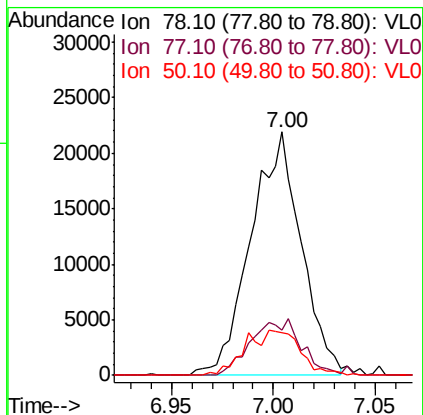
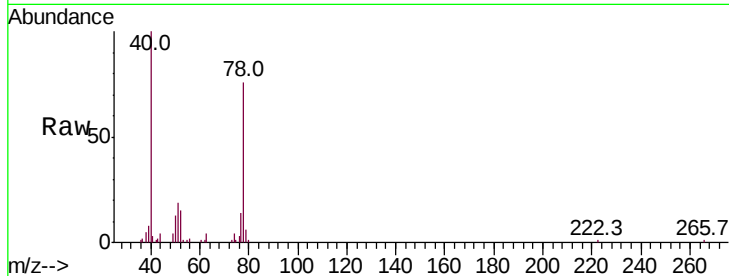
Concen: 0.253 ppbv m
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.1	27.1
50	17.3	15.2	22.8

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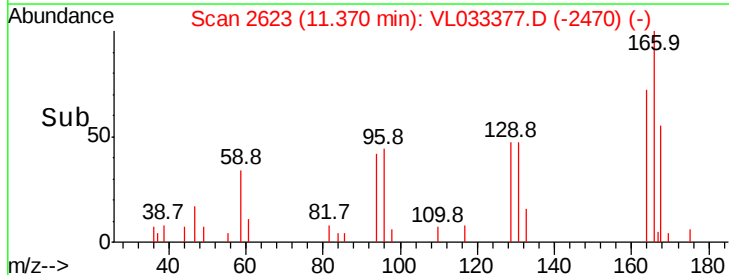
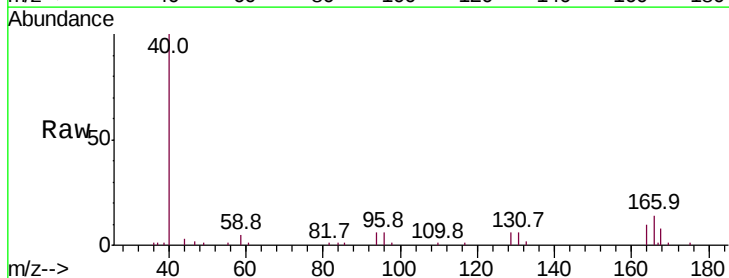
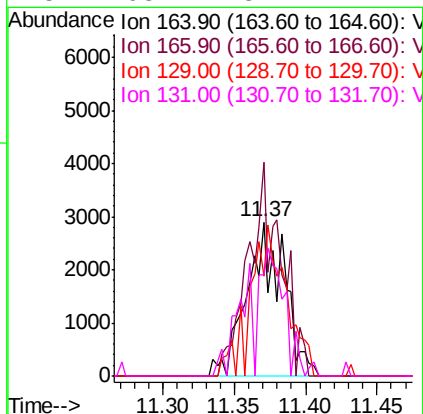


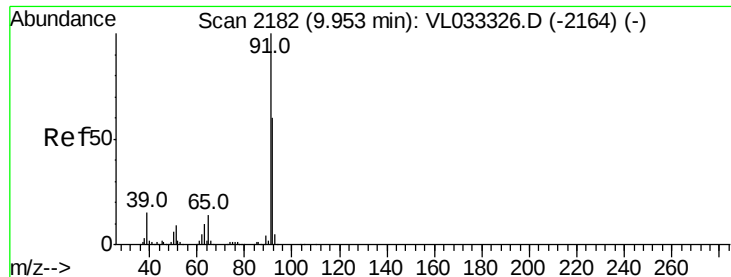
#52

Tetrachloroethene

Concen: 0.083 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.6	101.5	152.3
129	65.0	82.2	123.2#
131	65.4	81.1	121.7#





#53

Toluene

Concen: 11.610 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

Instrument :

MSVOA_L

ClientSampleId :

L1HA-OA1

Tot Ion: 91 Resp: 1966755

Ion Ratio Lower Upper

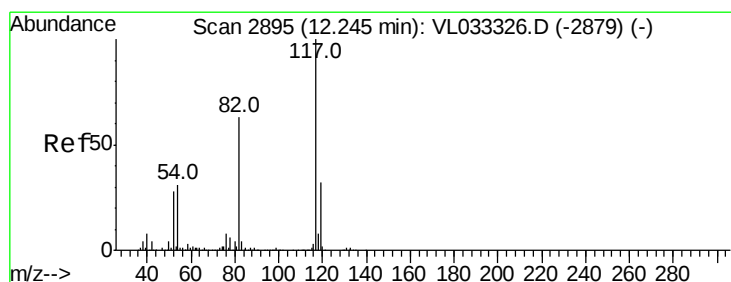
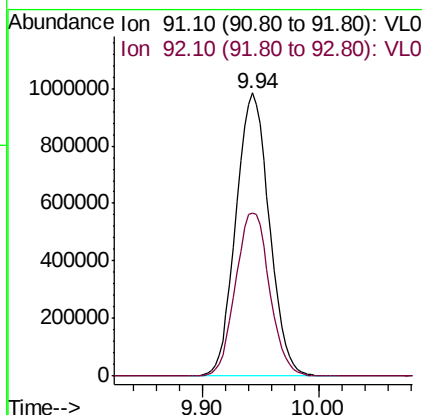
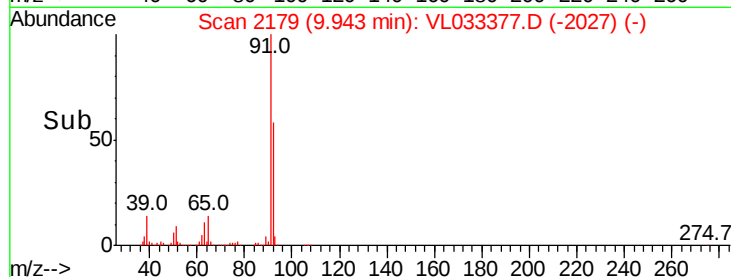
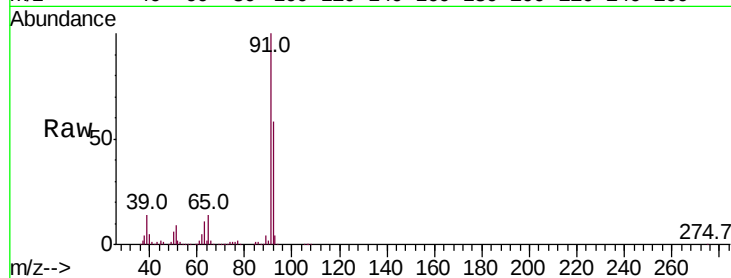
91 100

92 58.9 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033377.D

Acq: 19 Mar 2019 3:16

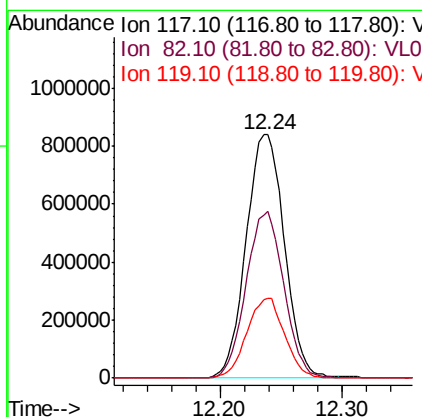
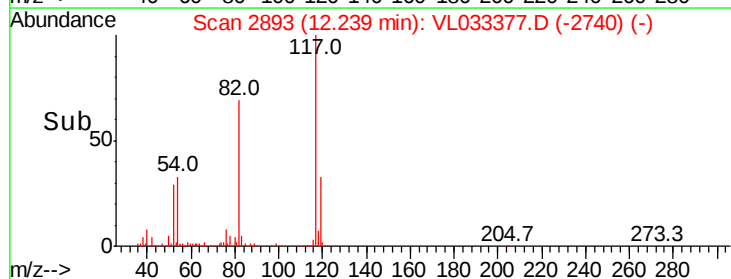
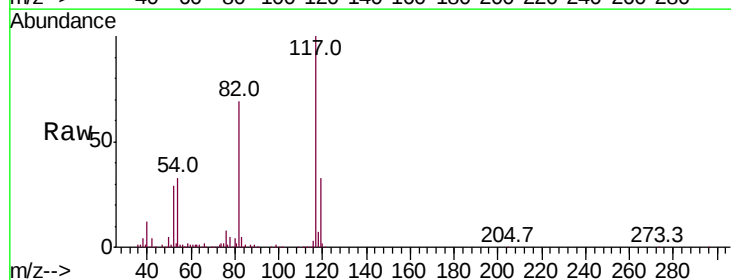
Tgt Ion: 117 Resp: 1819382

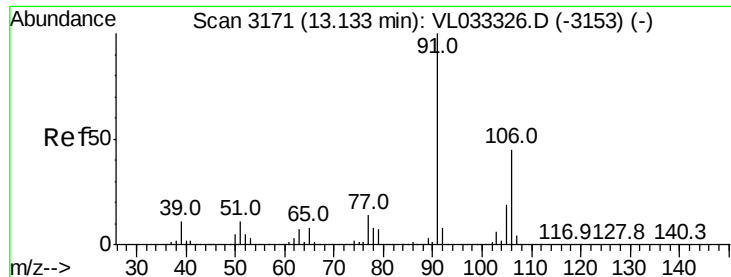
Ion Ratio Lower Upper

117 100

82 67.9 53.4 80.2

119 32.4 27.3 40.9





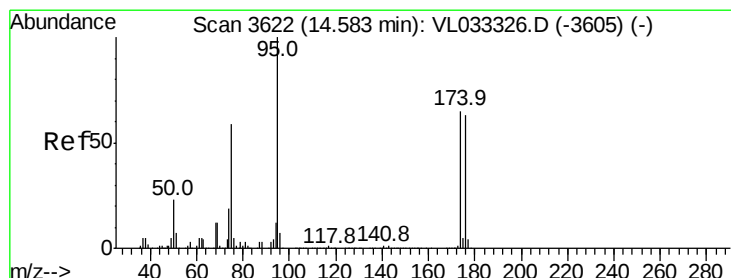
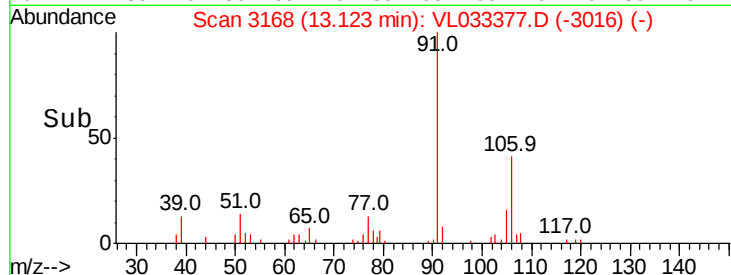
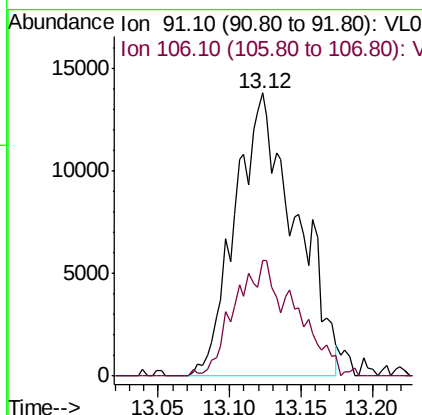
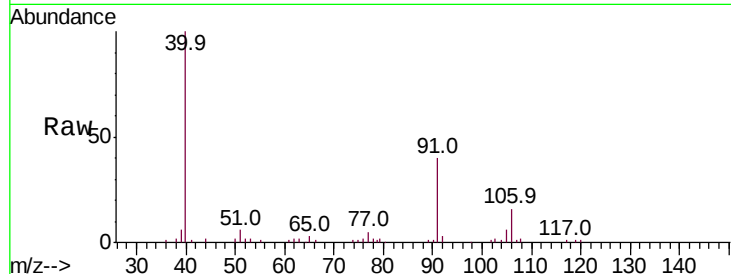
#59
m/p-Xylene
Concen: 0.185 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Instrument :
MSVOA_L
ClientSampleId :
L1HA-OA1

Tot Ion: 91 Resp: 40834
Ion Ratio Lower Upper
91 100
106 41.3 0.0 0.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.352 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033377.D
Acq: 19 Mar 2019 3:16

Tgt Ion: 95 Resp: 1395605
Ion Ratio Lower Upper
95 100
174 64.6 51.5 77.3
175 4.6 3.8 5.6

