

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033575.D
 Acq On : 10 Apr 2019 22:18
 Operator : SY/AP
 Sample : K2312-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-6

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 1:01:41 PM

Quant Time: Apr 11 04:56:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	868434	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2074079	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2052475	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1618489	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	40278	0.318	ppbv	90
4) Chloromethane	3.17	50	24471	0.463	ppbv	98
9) Propene	3.05	41	26799m	0.638	ppbv	
10) Heptane	8.25	43	603248	5.375	ppbv	100
11) Trichlorofluoromethane	4.00	101	30681	0.197	ppbv	99
13) Ethanol	3.65	45	1263322	116.274	ppbv	65
15) Acetone	3.90	43	522346	5.002	ppbv	97
19) Isopropyl Alcohol	4.03	45	664393	10.059	ppbv #	98
20) Methylene Chloride	4.41	84	282652	6.377	ppbv	94
26) Hexane	5.78	57	337637	3.920	ppbv #	46
30) Cyclohexane	7.25	84	32030	0.470	ppbv	87
34) 2-Butanone	5.34	43	30233	0.243	ppbv	95
35) Carbon Tetrachloride	7.14	117	7948m	0.054	ppbv	
36) Benzene	7.00	78	8978	0.052	ppbv	94
53) Toluene	9.95	91	83199	0.411	ppbv	97

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

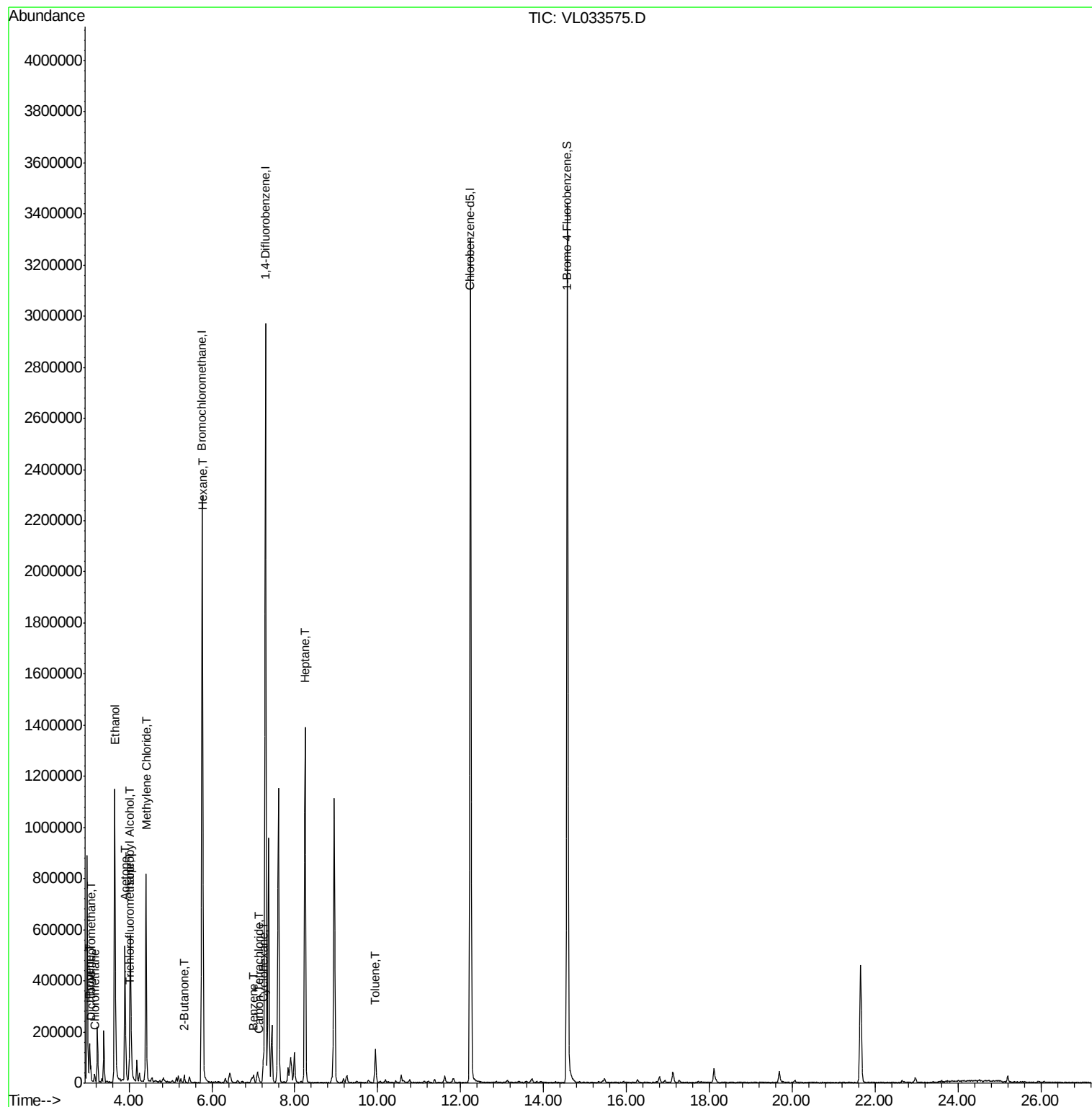
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041019\
Data File : VL033575.D
Acq On : 10 Apr 2019 22:18
Operator : SY/AP
Sample : K2312-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

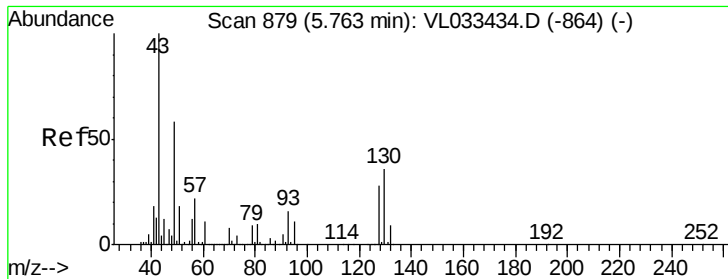
Instrument :
MSVOA_L
ClientSampleId :
A-6

Manual Integrations
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4/11/2019 1:01:41 PM

Quant Time: Apr 11 04:56:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033575.D

Acq: 10 Apr 2019 22:18

Instrument :

MSVOA_L

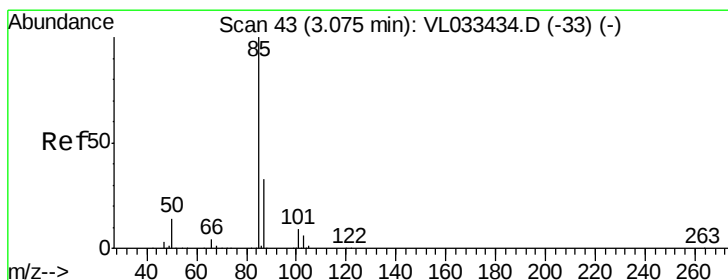
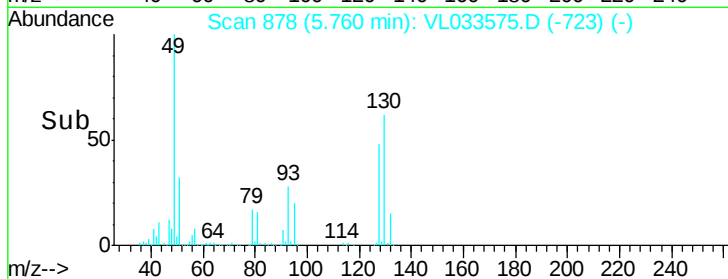
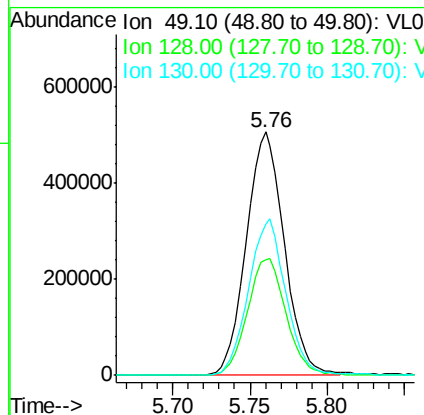
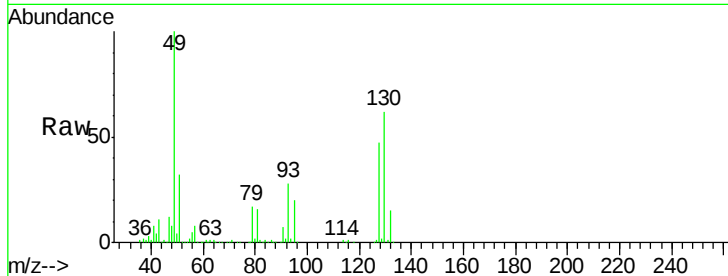
ClientSampled :

A-6

Tot Ion	49	Resp	868434
Ion Ratio	Lower	Upper	
49	100		
128	49.0	24.0	72.0
130	63.6	31.2	93.6

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#2

Dichlorodifluoromethane

Concen: 0.318 ppbv

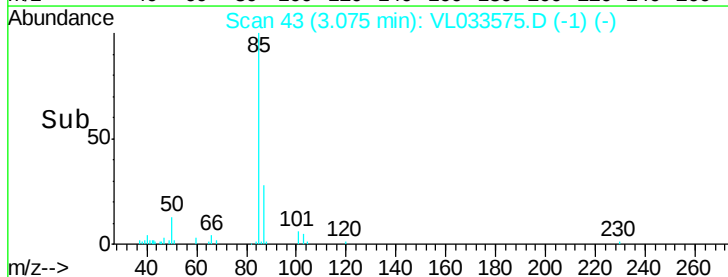
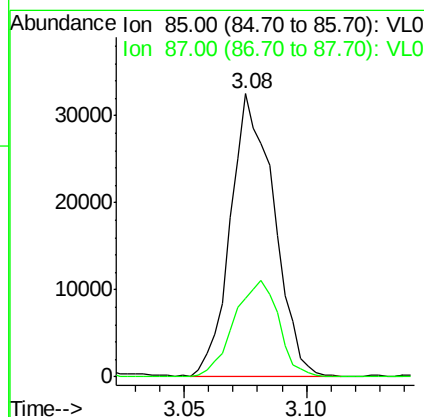
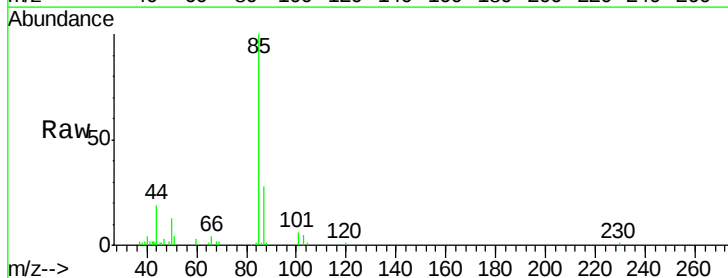
RT: 3.08 min Scan# 43

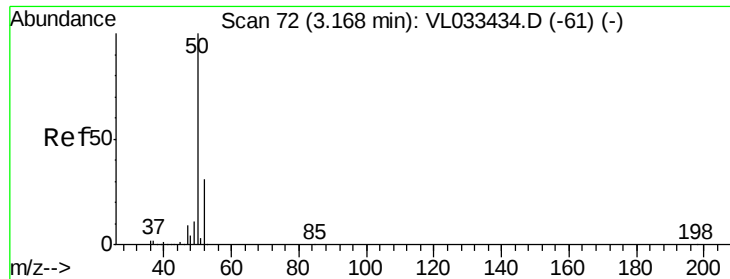
Delta R.T. -0.00 min

Lab File: VL033575.D

Acq: 10 Apr 2019 22:18

Tgt Ion	85	Resp	40278
Ion Ratio	Lower	Upper	
85	100		
87	27.7	26.7	40.1





#4

Chloromethane

Concen: 0.463 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033575.D

Acq: 10 Apr 2019 22:18

Instrument :

MSVOA_L

ClientSampleId :

A-6

Tot Ion: 50 Resp: 24471

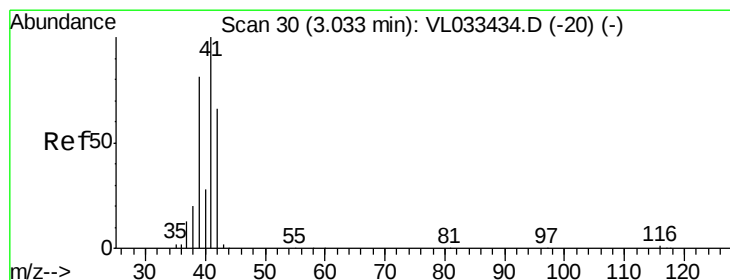
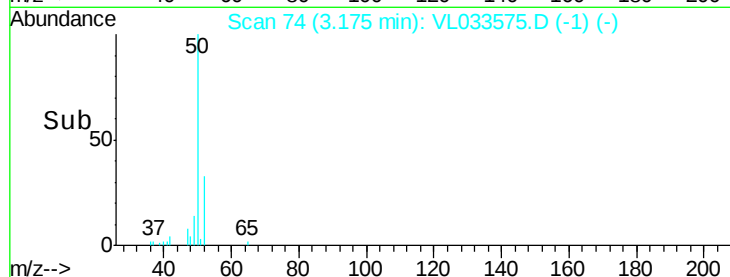
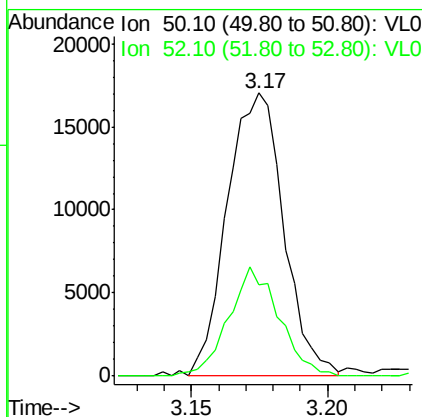
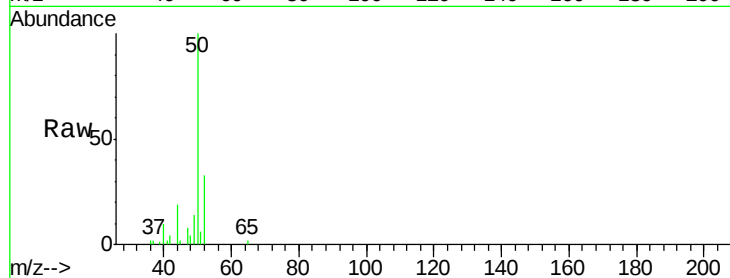
Ion Ratio Lower Upper

50 100

52 32.5 25.0 37.6

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#9

Propene

Concen: 0.638 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.02 min

Lab File: VL033575.D

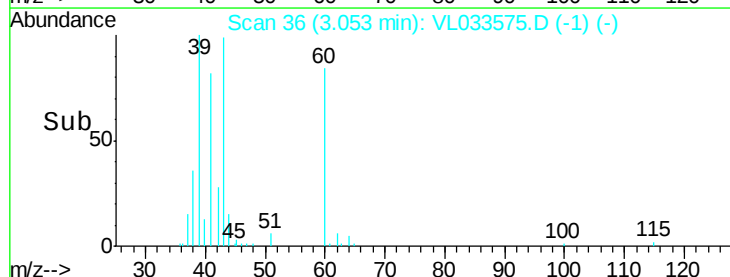
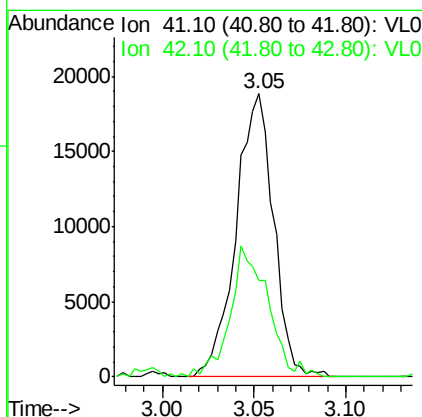
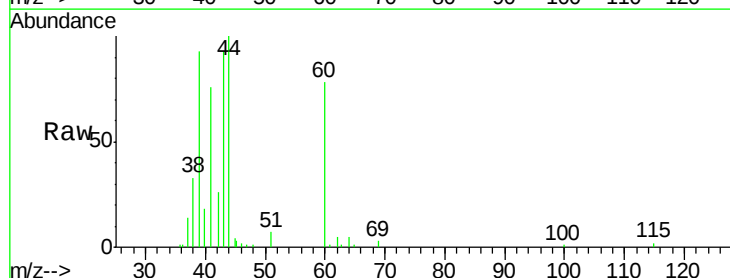
Acq: 10 Apr 2019 22:18

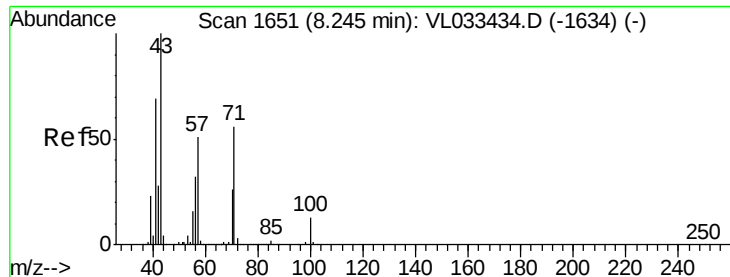
Tgt Ion: 41 Resp: 26799

Ion Ratio Lower Upper

41 100

42 130.3 53.9 80.9#





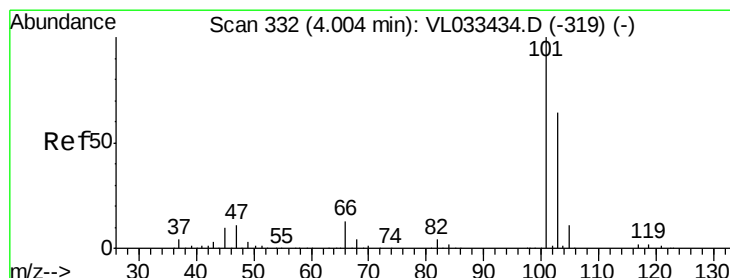
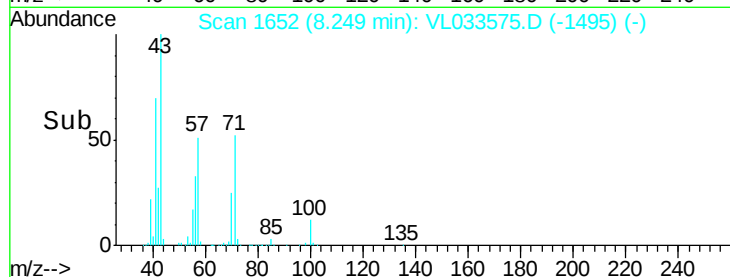
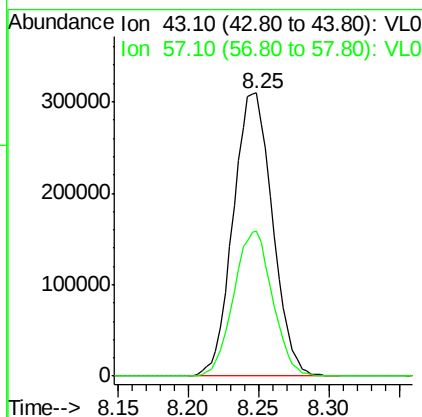
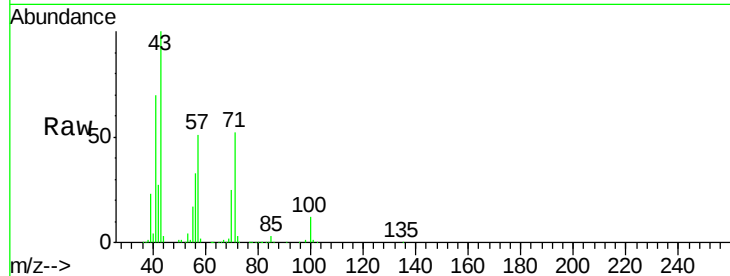
#10
Heptane
Concen: 5.375 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Instrument :
MSVOA_L
ClientSampleId :
A-6

Tot Ion: 43 Resp: 603248
Ion Ratio Lower Upper
43 100
57 50.7 40.6 60.8

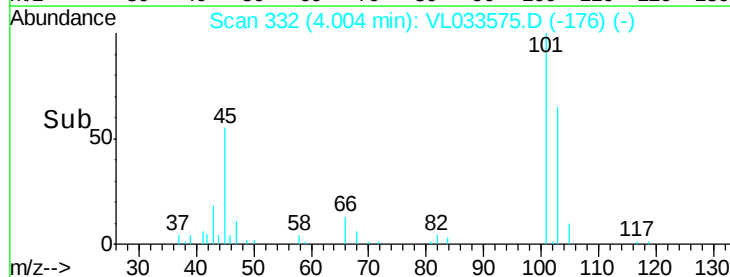
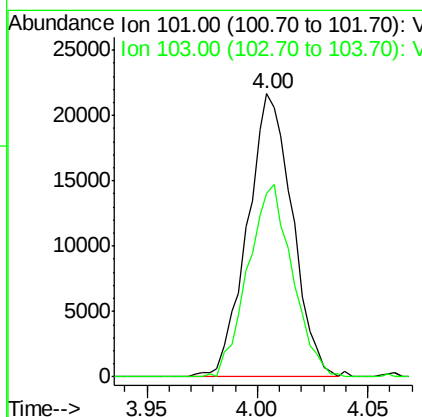
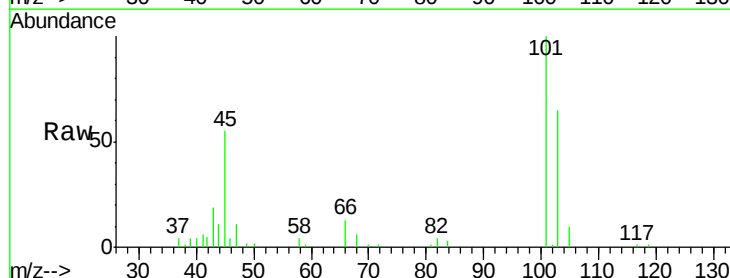
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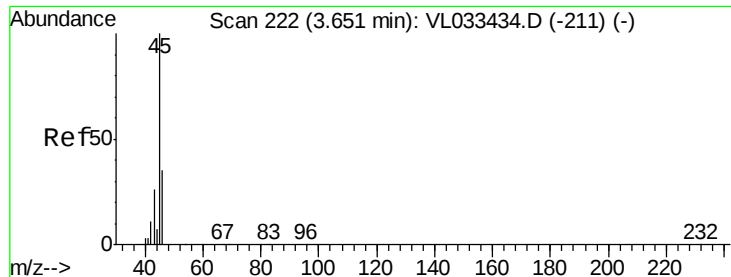
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#11
Trichlorofluoromethane
Concen: 0.197 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Tgt Ion: 101 Resp: 30681
Ion Ratio Lower Upper
101 100
103 64.8 51.3 76.9





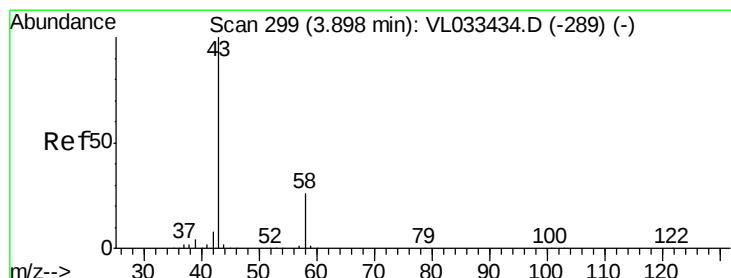
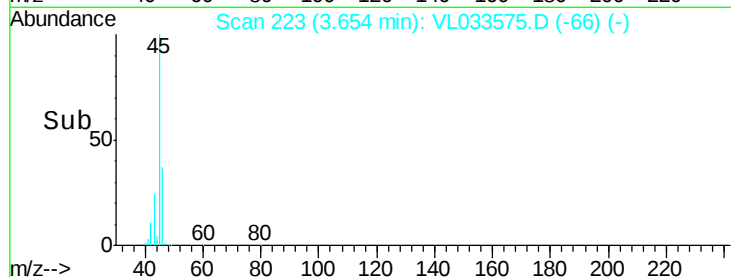
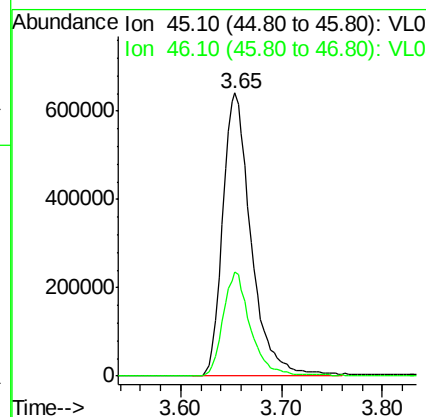
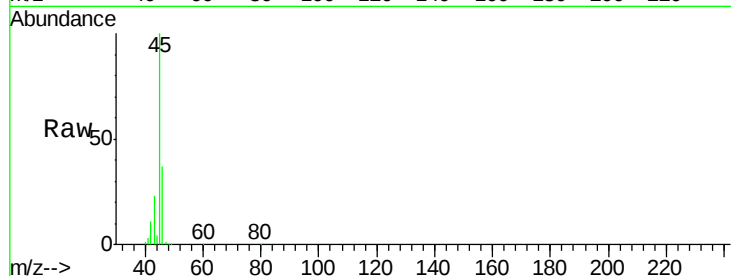
#13
Ethanol
Concen: 116.274 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Instrument :
MSVOA_L
ClientSampleId :
A-6

Tot Ion: 45 Resp: 1263322
Ion Ratio Lower Upper
45 100
46 36.0 25.4 101.8

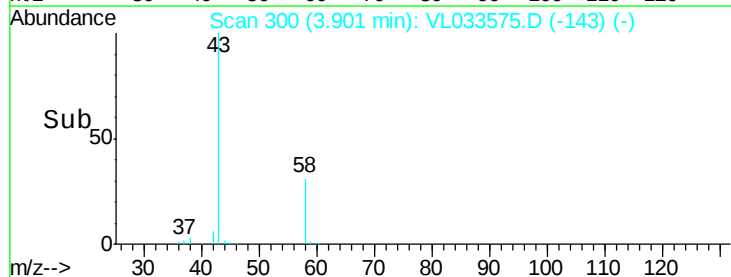
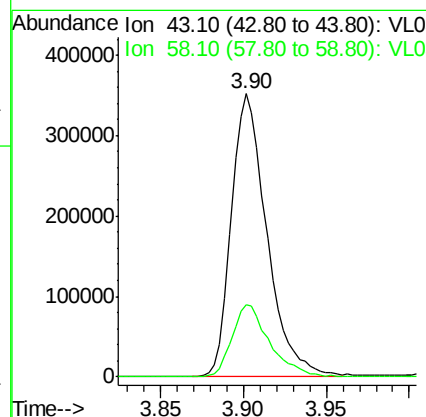
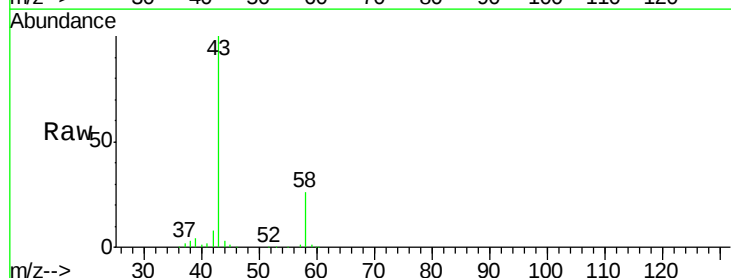
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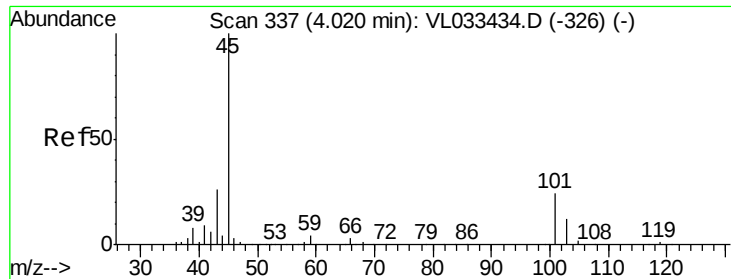
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#15
Acetone
Concen: 5.002 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Tgt Ion: 43 Resp: 522346
Ion Ratio Lower Upper
43 100
58 27.0 20.5 30.7





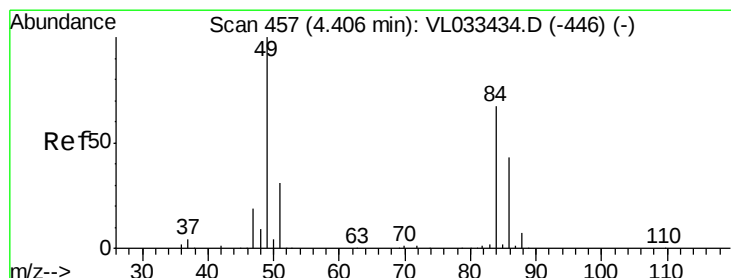
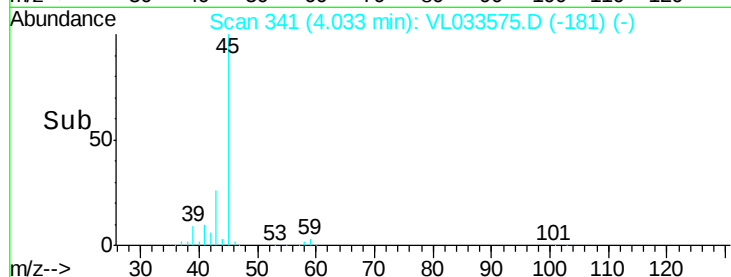
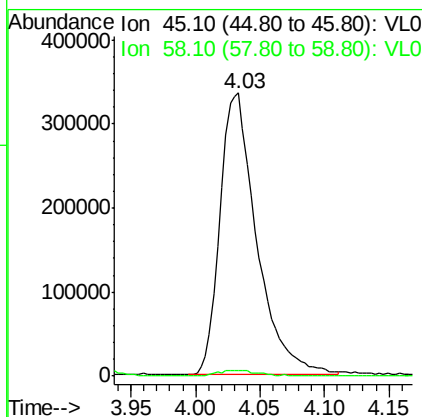
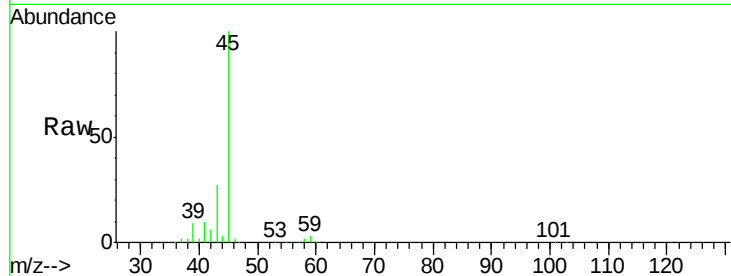
#19
Isopropyl Alcohol
Concen: 10.059 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Instrument :
MSVOA_L
ClientSampleId :
A-6

Tot Ion: 45 Resp: 664393
Ion Ratio Lower Upper
45 100
58 2.6 1.4 2.2#

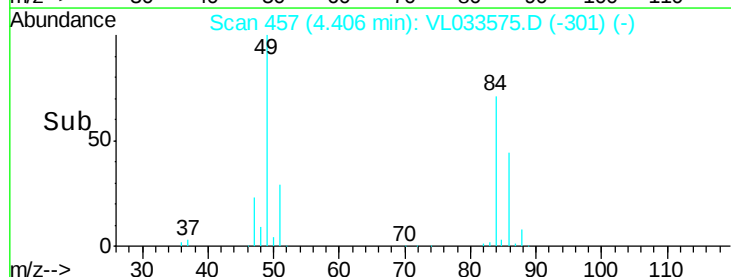
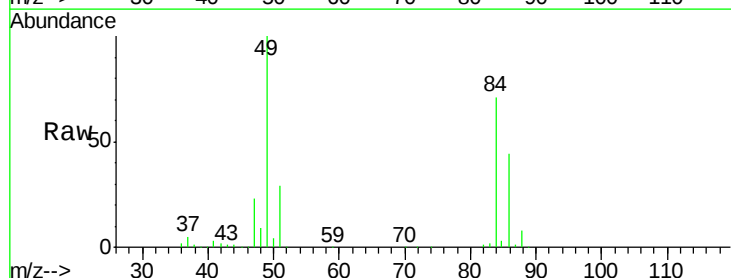
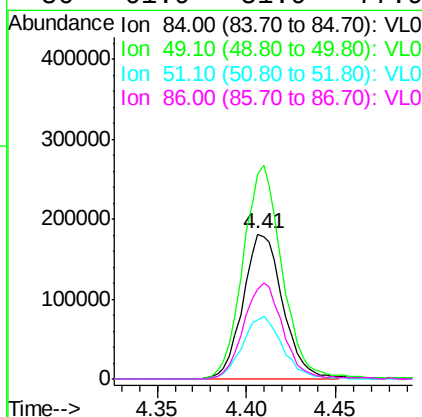
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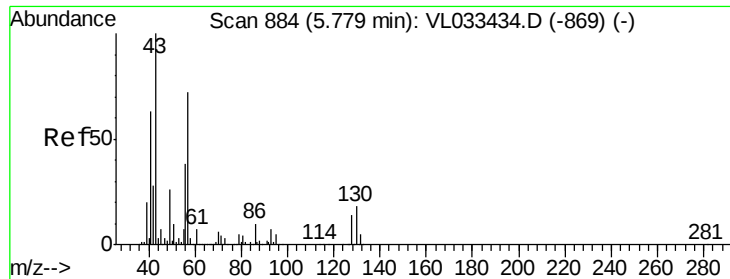
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#20
Methylene Chloride
Concen: 6.377 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Tgt Ion: 84 Resp: 282652
Ion Ratio Lower Upper
84 100
49 141.3 120.0 180.0
51 40.7 36.7 55.1
86 61.9 51.9 77.9





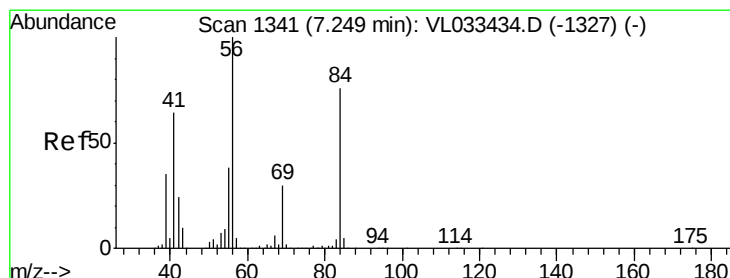
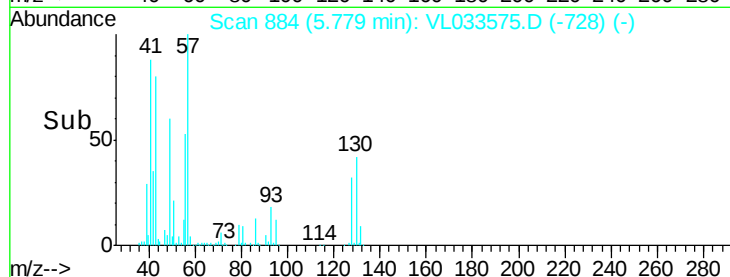
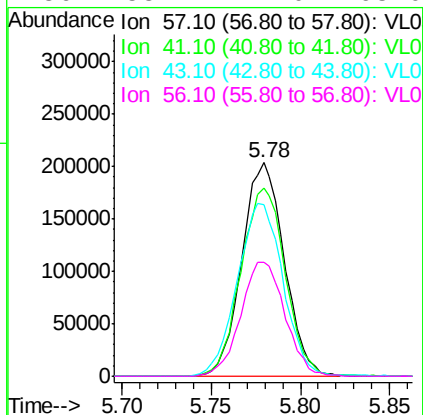
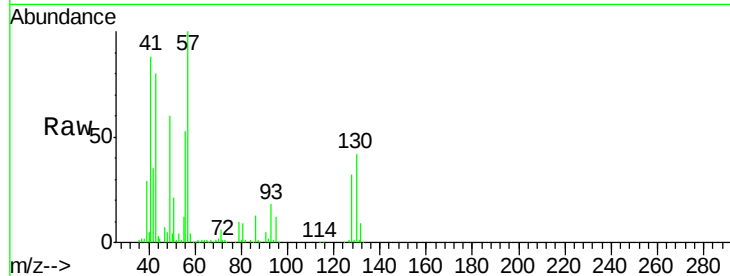
#26
Hexane
Concen: 3.920 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Instrument :
MSVOA_L
ClientSampleId :
A-6

Tot Ion	57	Resp	337637
Ion	Ratio	Lower	Upper
57	100		
41	92.5	70.7	106.1
43	87.9	182.6	274.0#
56	55.7	42.0	63.0

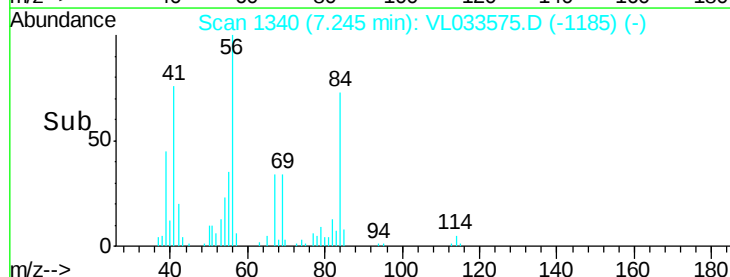
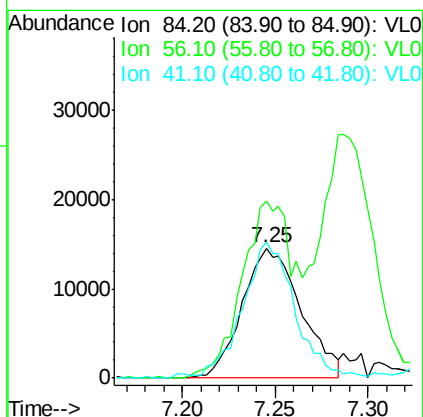
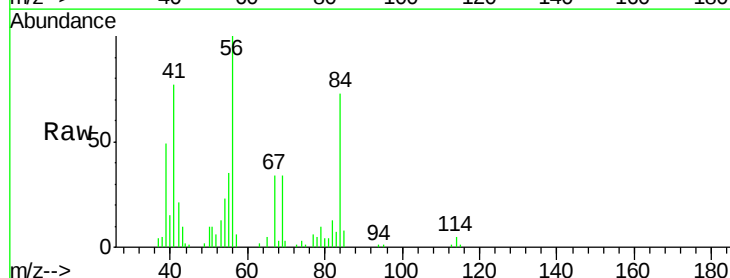
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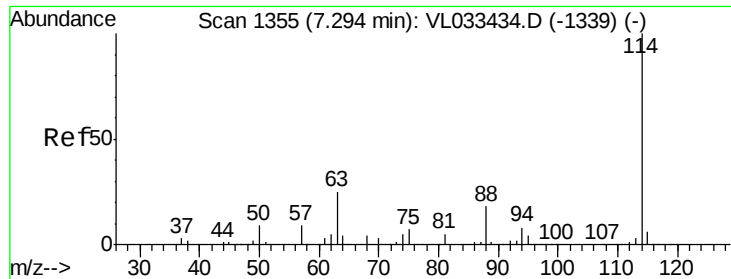
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#30
Cyclohexane
Concen: 0.470 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Tgt Ion	84	Resp	32030
Ion	Ratio	Lower	Upper
84	100		
56	118.6	109.7	164.5
41	94.8	68.2	102.2





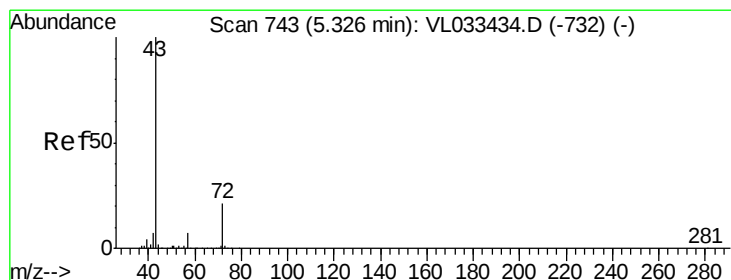
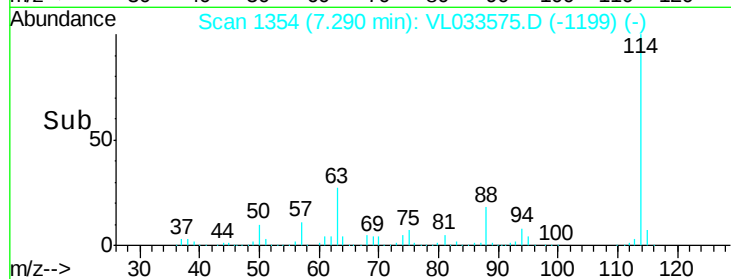
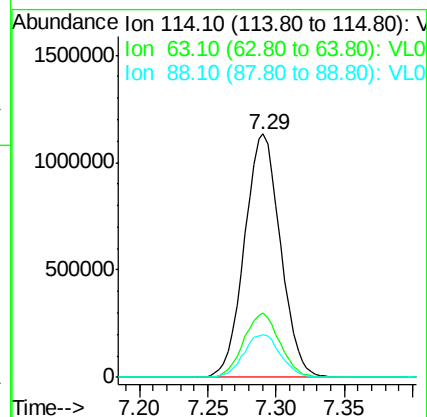
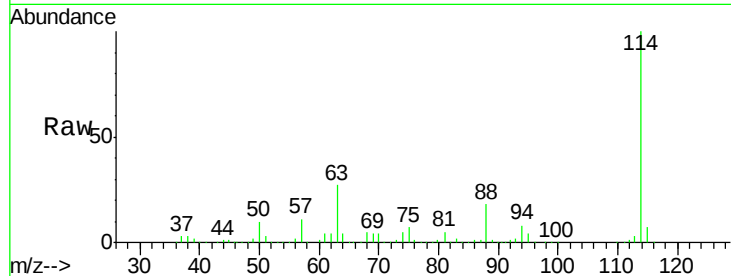
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033575.D
 Acq: 10 Apr 2019 22:18

Instrument :
 MSVOA_L
 ClientSampled :
 A-6

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.5	32.3
88	17.9	14.5	21.7

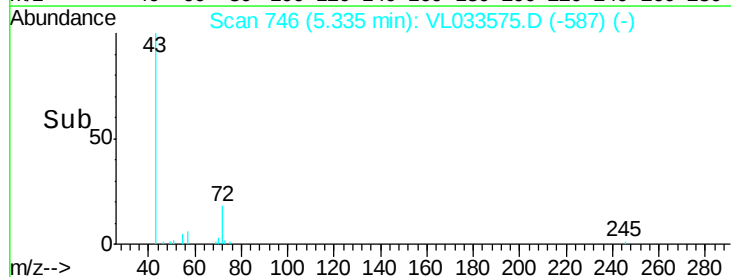
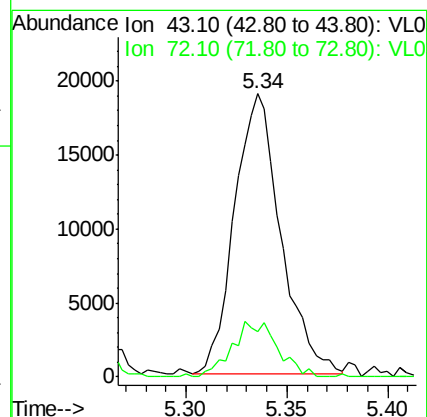
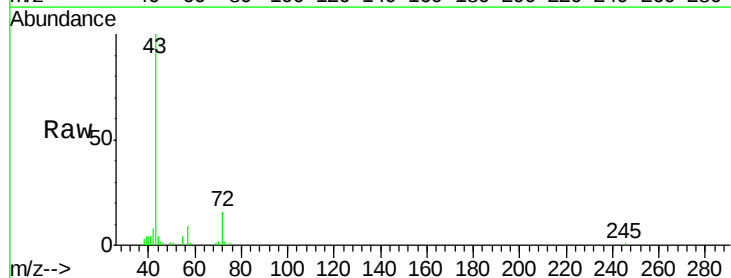
Manual Integrations
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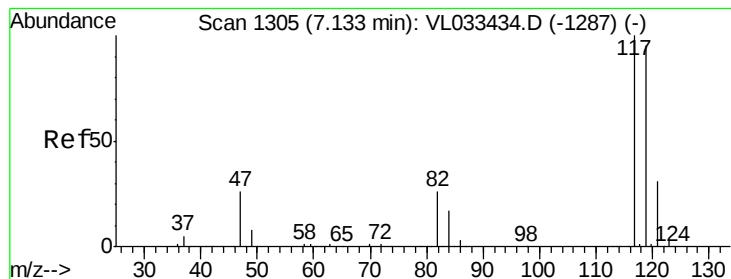
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#34
 2-Butanone
 Concen: 0.243 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033575.D
 Acq: 10 Apr 2019 22:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.5	17.4	26.2





#35

Carbon Tetrachloride

Concen: 0.054 ppbv m

RT: 7.14 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VL033575.D

Acq: 10 Apr 2019 22:18

Instrument :

MSVOA_L

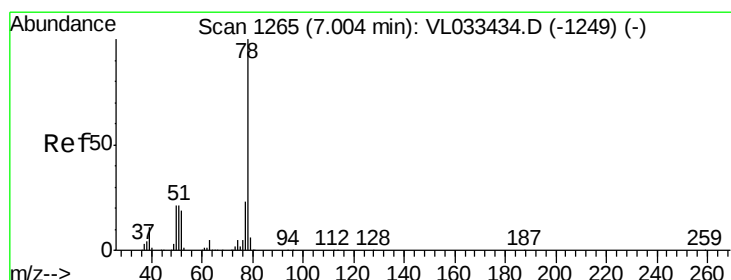
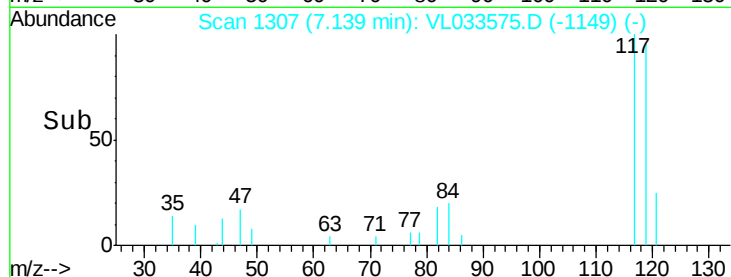
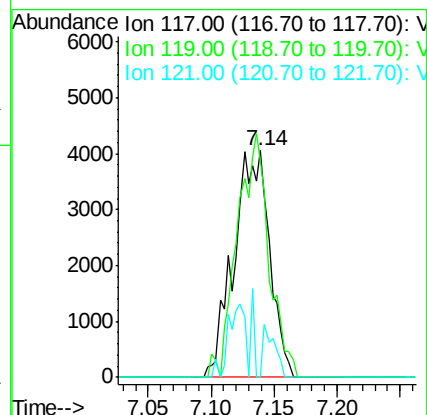
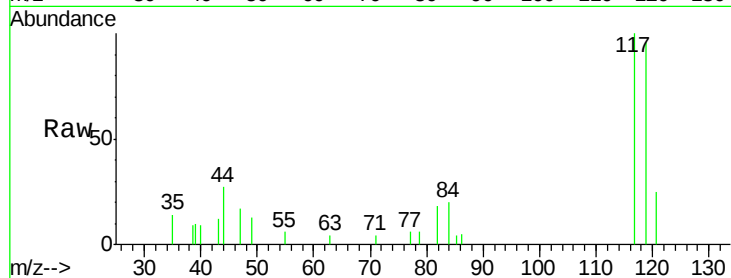
ClientSampleId :

A-6

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
121	0.0	24.7	37.1#

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#36

Benzene

Concen: 0.052 ppbv

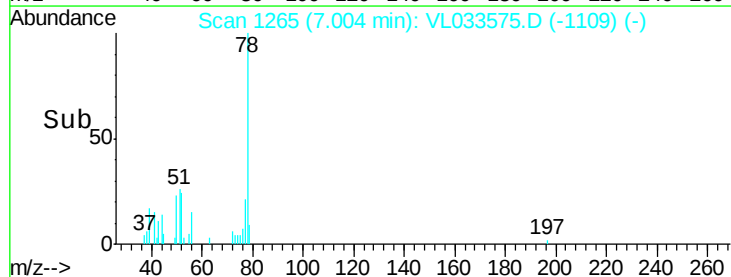
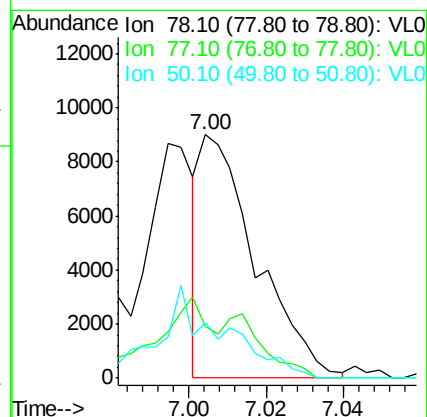
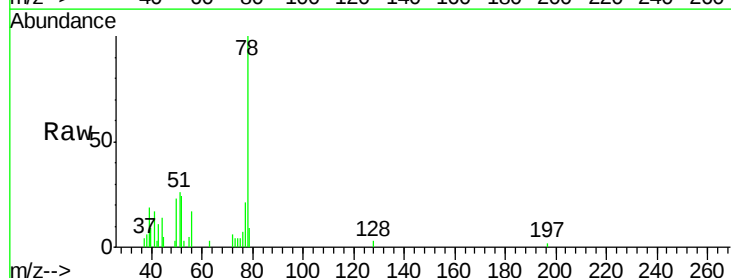
RT: 7.00 min Scan# 1265

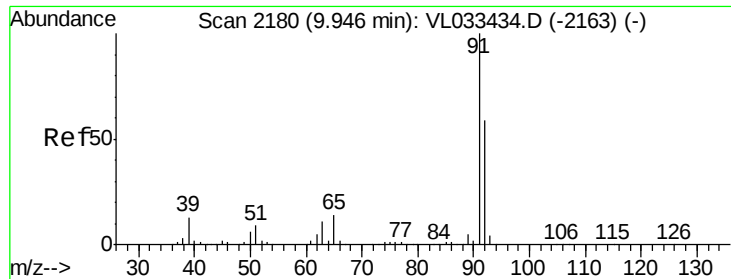
Delta R.T. 0.00 min

Lab File: VL033575.D

Acq: 10 Apr 2019 22:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.1	27.1
50	23.4	16.7	25.1





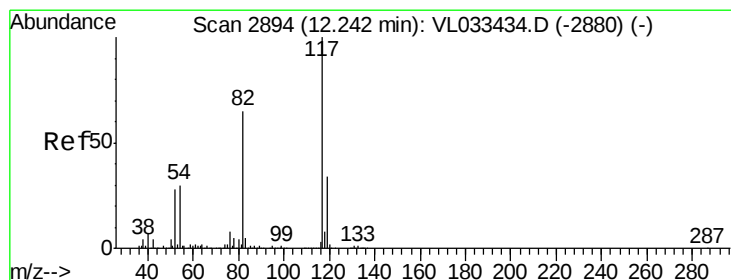
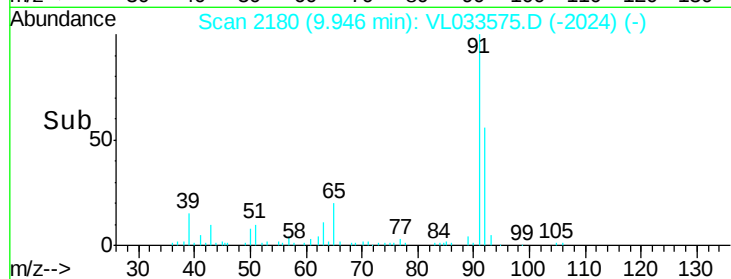
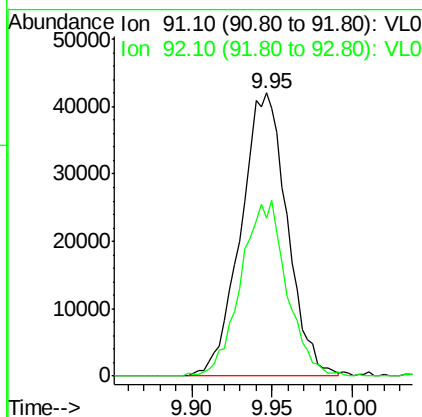
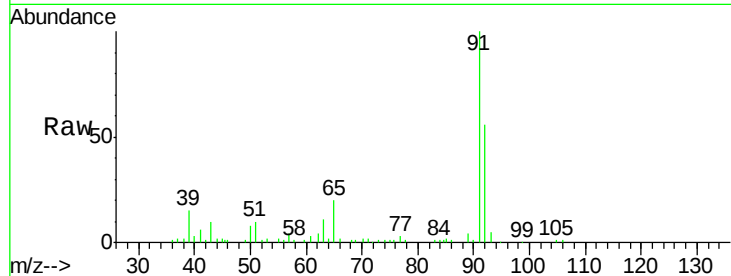
#53
Toluene
Concen: 0.411 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Instrument :
MSVOA_L
ClientSampleId :
A-6

Tot Ion: 91 Resp: 83199
Ion Ratio Lower Upper
91 100
92 61.2 47.4 71.0

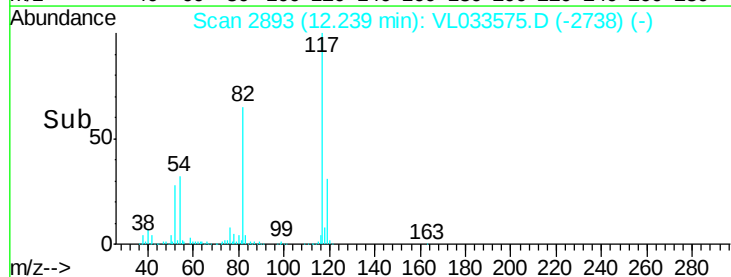
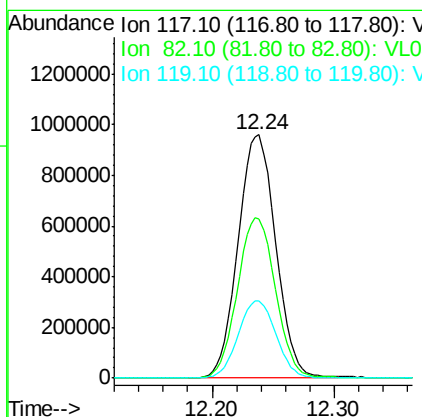
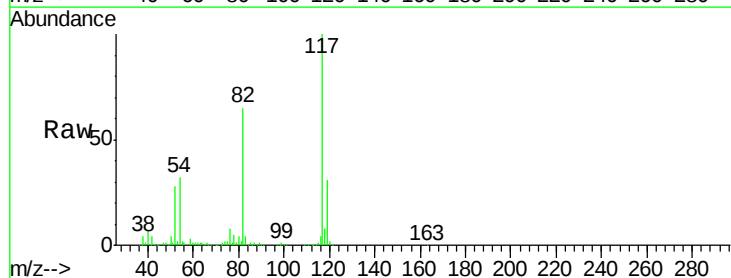
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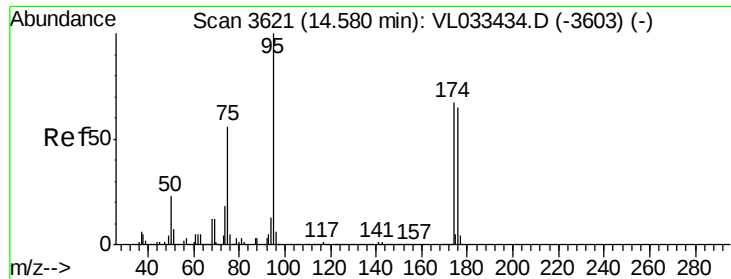
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033575.D
Acq: 10 Apr 2019 22:18

Tgt Ion:117 Resp: 2052475
Ion Ratio Lower Upper
117 100
82 66.8 51.5 77.3
119 32.2 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.059 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033575.D
 Acq: 10 Apr 2019 22:18

Instrument :
 MSVOA_L
 ClientSampleId :
 A-6

Tot Ion: 95 Resp: 1618489
 Ion Ratio Lower Upper
 95 100
 174 66.9 52.9 79.3
 175 4.7 3.8 5.6

Manual Integrations
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 4/11/2019 1:01:41 PM

