

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033815.D
 Acq On : 28 May 2019 23:12
 Operator : SY/AP
 Sample : K2960-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3004-04

Manual Integrations
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Quant Time: May 29 05:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	651101	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1581680	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1596216	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1319478	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	24535	0.179	ppbv	92
3) Chlorodifluoromethane	3.02	51	27816m	0.373	ppbv	
4) Chloromethane	3.17	50	26841	0.629	ppbv	98
9) Propene	3.05	41	16591	0.523	ppbv	84
11) Trichlorofluoromethane	4.00	101	38405	0.293	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	21784	0.238	ppbv	99
13) Ethanol	3.65	45	85329	8.322	ppbv	100
15) Acetone	3.90	43	534512	5.917	ppbv	99
20) Methylene Chloride	4.41	84	62721	1.803	ppbv	98
26) Hexane	5.77	57	33462	0.490	ppbv #	45
30) Cyclohexane	7.28	84	7177m	0.125	ppbv	
34) 2-Butanone	5.33	43	33667	0.343	ppbv	97
35) Carbon Tetrachloride	7.13	117	9503m	0.075	ppbv	
38) Trichloroethene	7.95	130	4565m	0.086	ppbv	
53) Toluene	9.94	91	571516	3.683	ppbv	100
59) m/p-Xylene	13.11	91	19063m	0.103	ppbv	

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

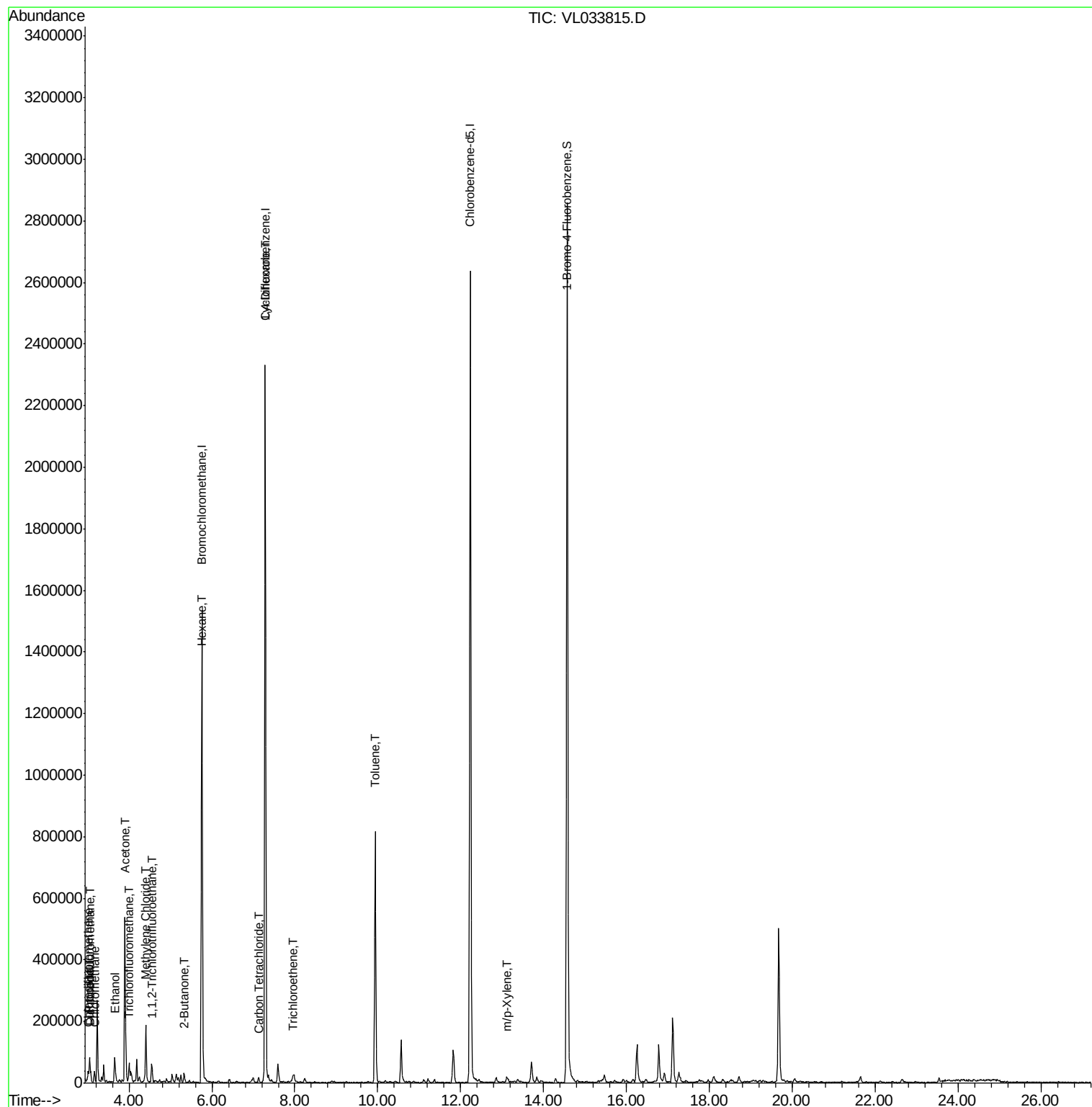
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033815.D
Acq On : 28 May 2019 23:12
Operator : SY/AP
Sample : K2960-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

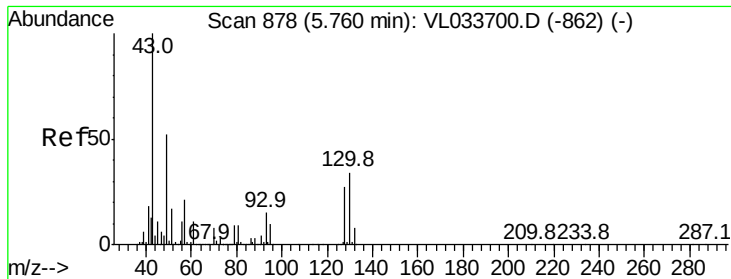
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

Manual Integrations
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Quant Time: May 29 05:56:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

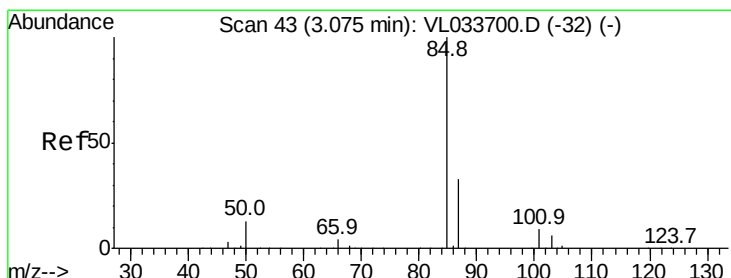
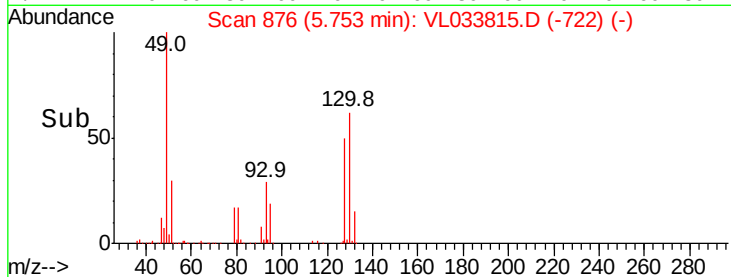
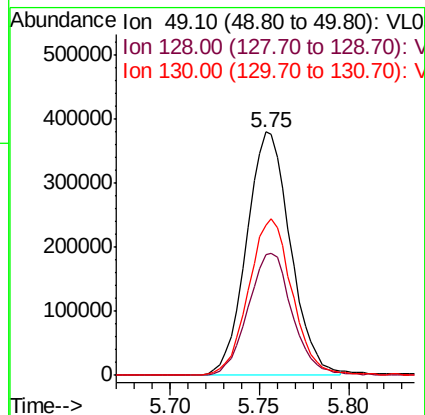
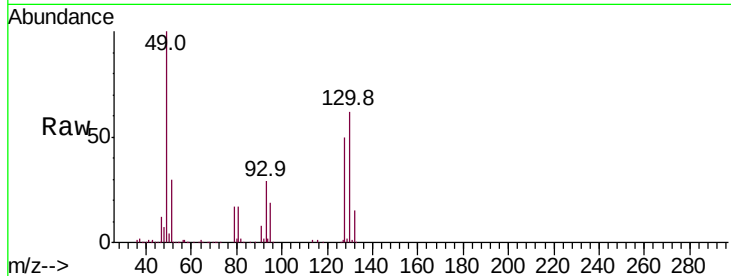
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3004-04

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.7	25.2	75.6
130	64.1	32.5	97.5

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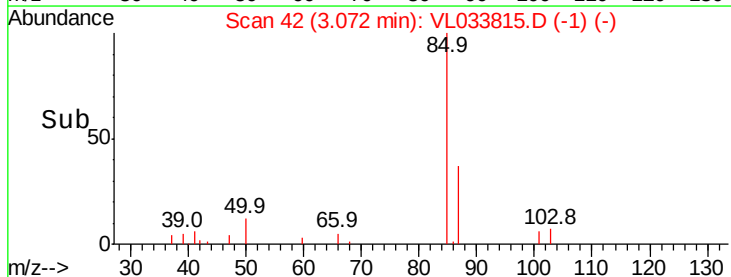
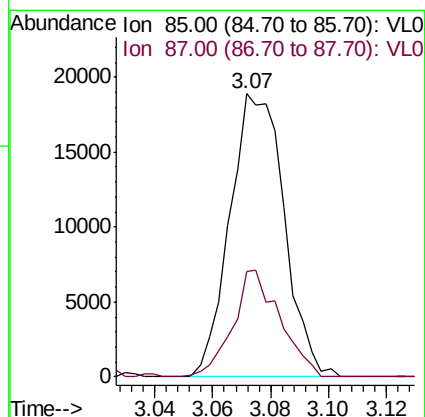
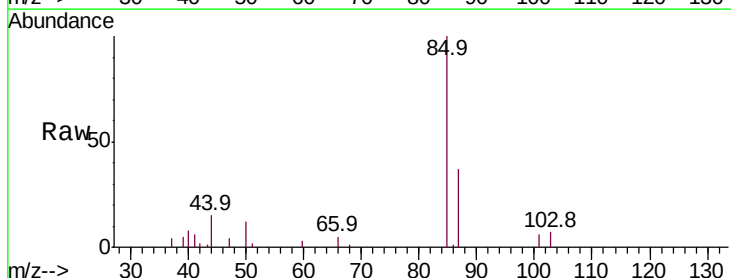
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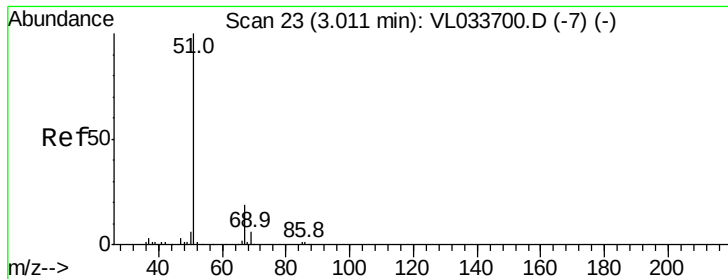


#2

Dichlorodifluoromethane
 Concen: 0.179 ppbv
 RT: 3.07 min Scan# 42
 Delta R.T. -0.00 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	37.1	26.3	39.5





#3

Chlorodifluoromethane

Concen: 0.373 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

Tot Ion: 51 Resp: 27816

Ion Ratio Lower Upper

51 100

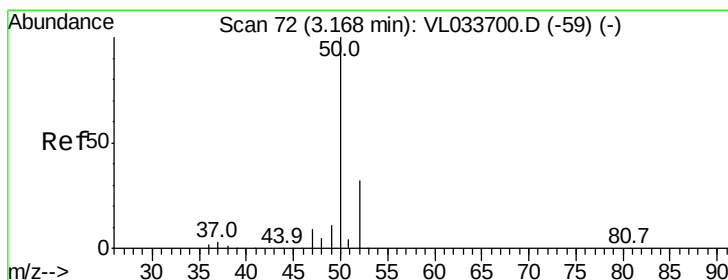
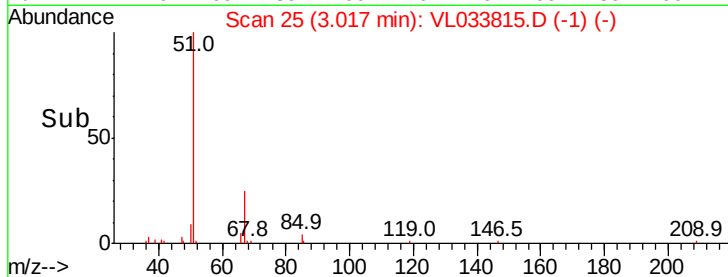
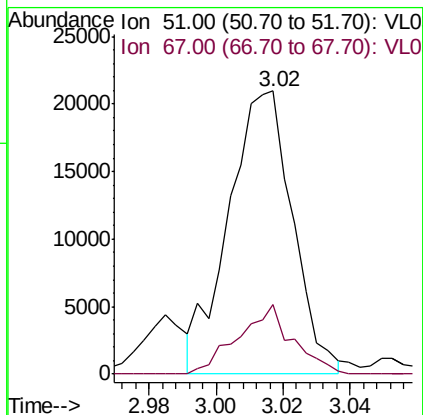
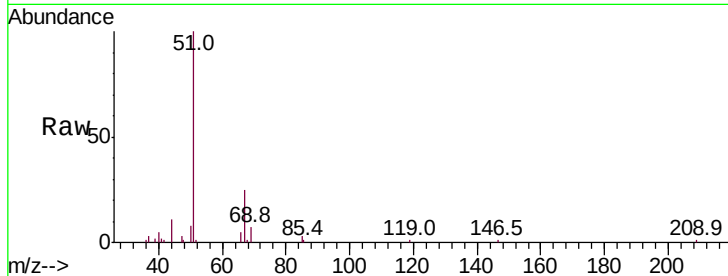
67 20.7 15.6 23.4

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#4

Chloromethane

Concen: 0.629 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033815.D

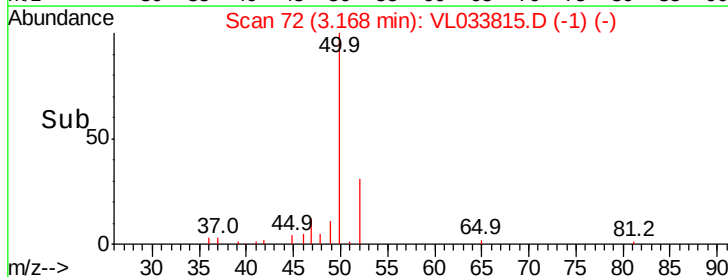
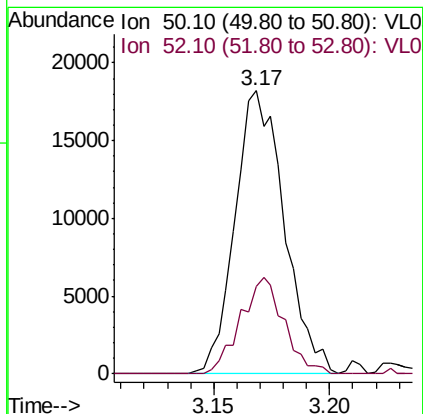
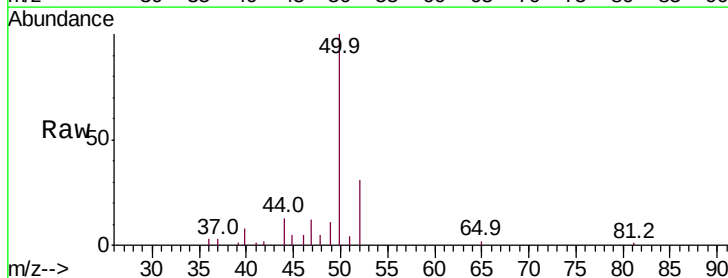
Acq: 28 May 2019 23:12

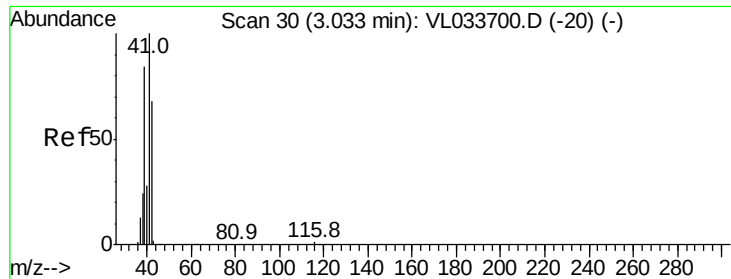
Tgt Ion: 50 Resp: 26841

Ion Ratio Lower Upper

50 100

52 30.9 25.7 38.5





#9

Propene

Concen: 0.523 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

Tot Ion: 41 Resp: 16591

Ion Ratio Lower Upper

41 100

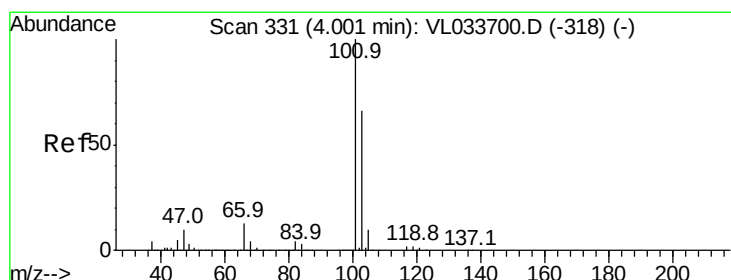
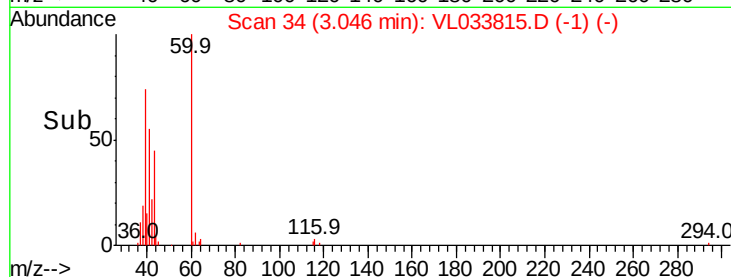
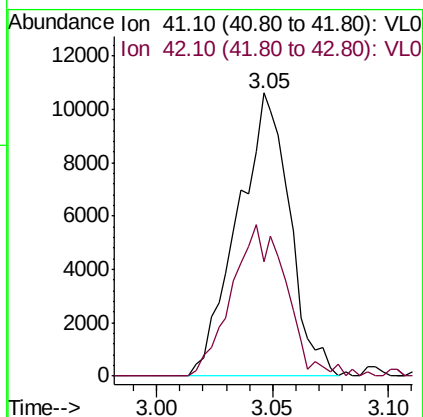
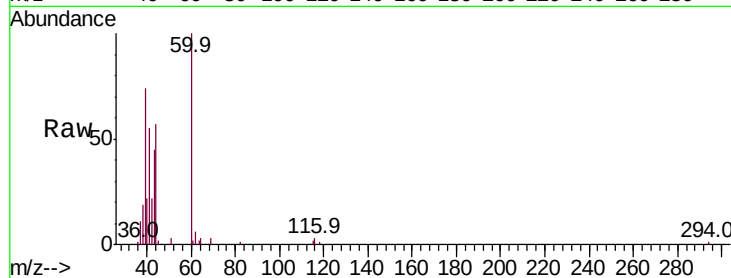
42 56.7 56.1 84.1

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#11

Trichlorofluoromethane

Concen: 0.293 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033815.D

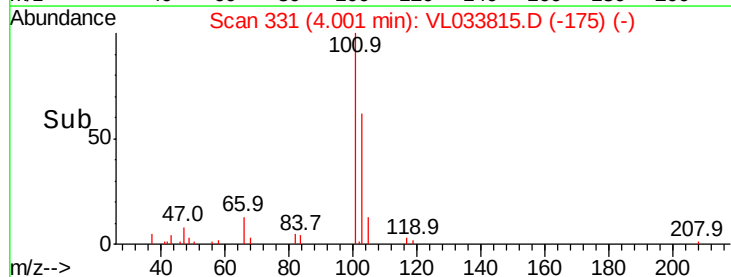
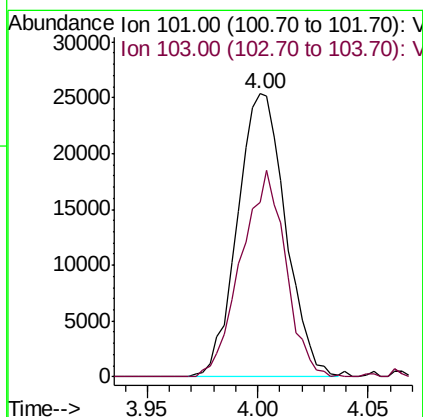
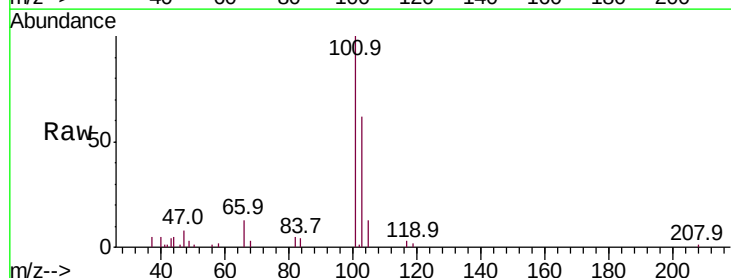
Acq: 28 May 2019 23:12

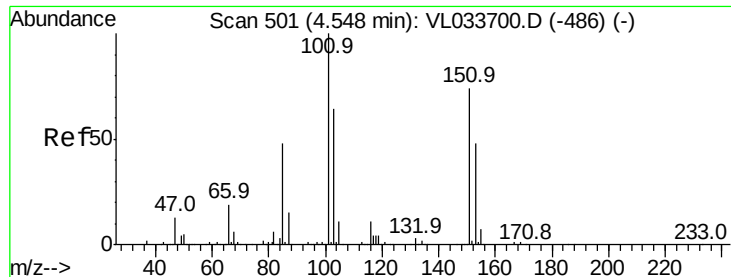
Tgt Ion: 101 Resp: 38405

Ion Ratio Lower Upper

101 100

103 61.8 52.6 78.8





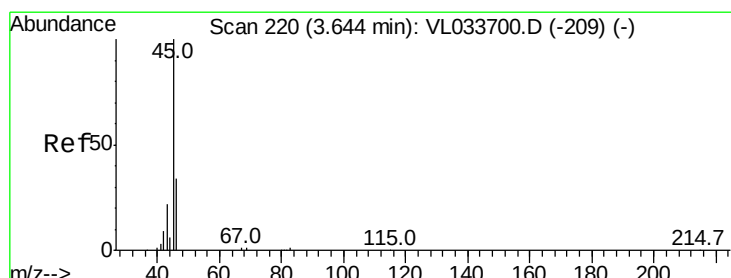
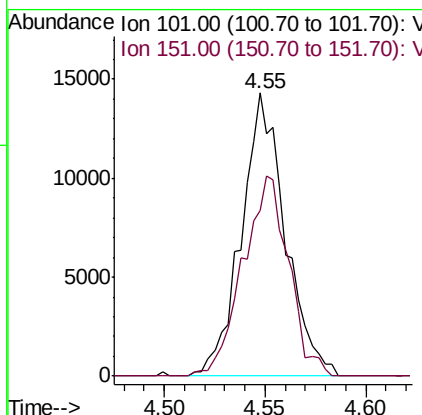
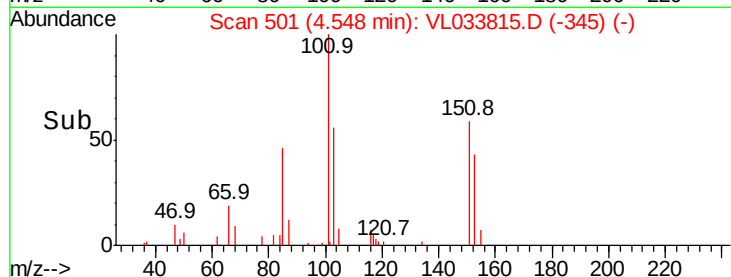
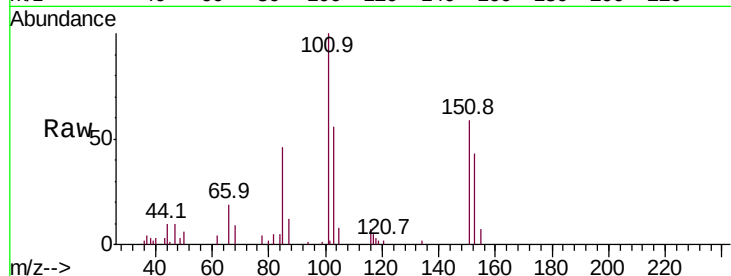
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.238 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3004-04

Tot Ion: 101 Resp: 21784
 Ion Ratio Lower Upper
 101 100
 151 73.8 58.2 87.4

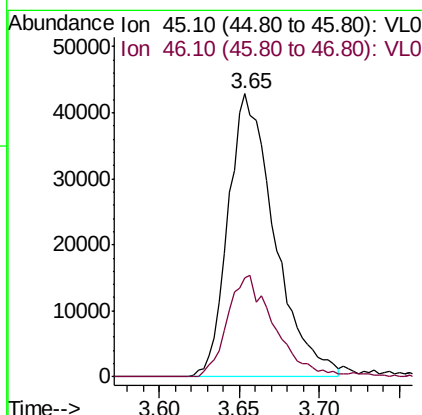
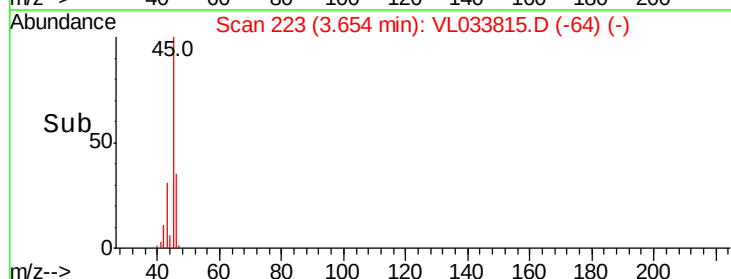
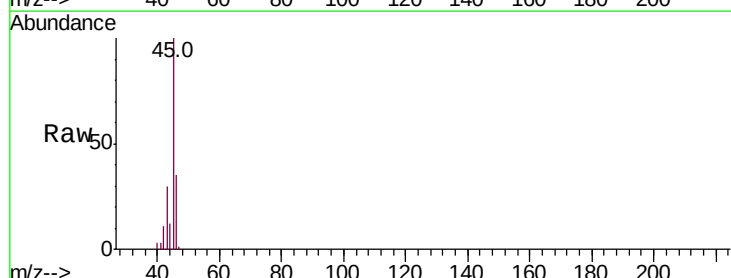
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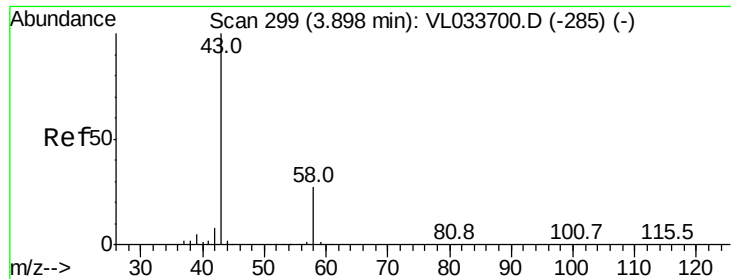
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#13
 Ethanol
 Concen: 8.322 ppbv
 RT: 3.65 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Tgt Ion: 45 Resp: 85329
 Ion Ratio Lower Upper
 45 100
 46 36.8 14.8 59.0





#15

Acetone

Concen: 5.917 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

Tot Ion: 43 Resp: 534512

Ion Ratio Lower Upper

43 100

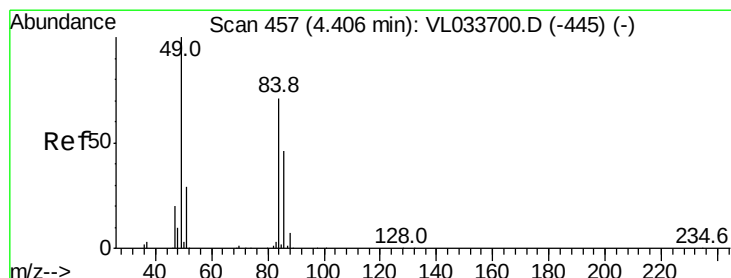
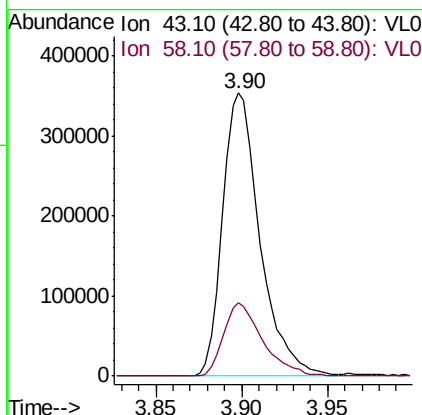
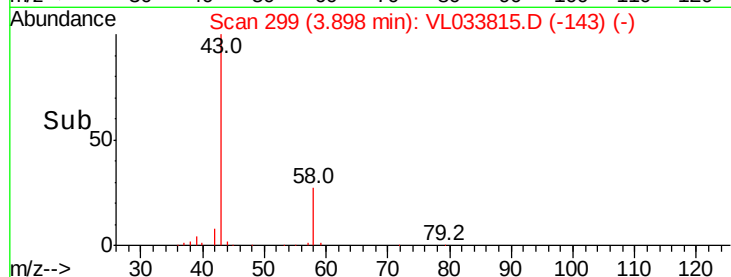
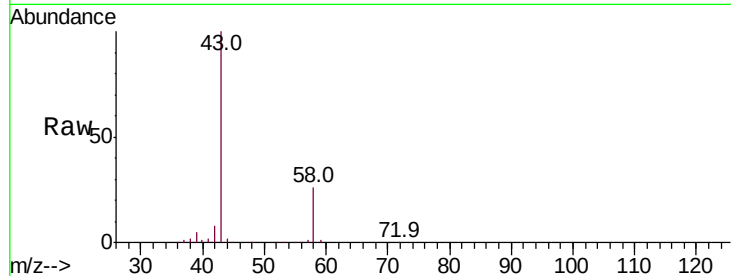
58 27.4 21.3 31.9

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#20

Methylene Chloride

Concen: 1.803 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Tgt Ion: 84 Resp: 62721

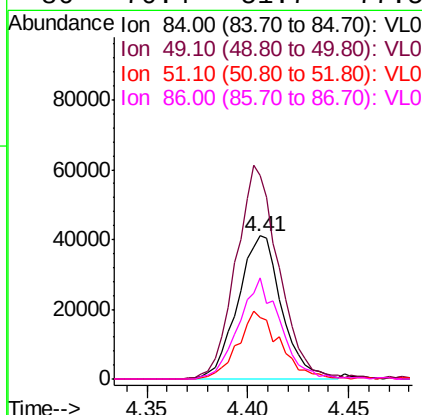
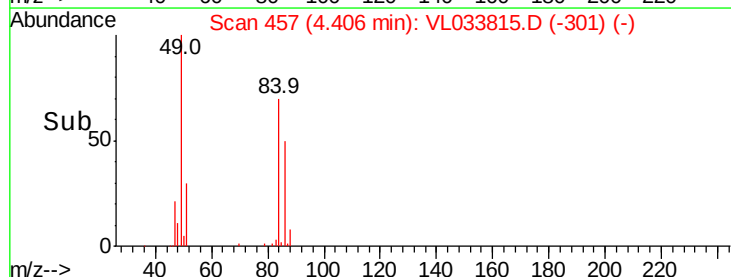
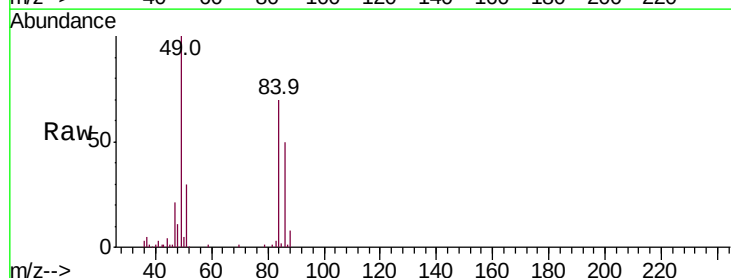
Ion Ratio Lower Upper

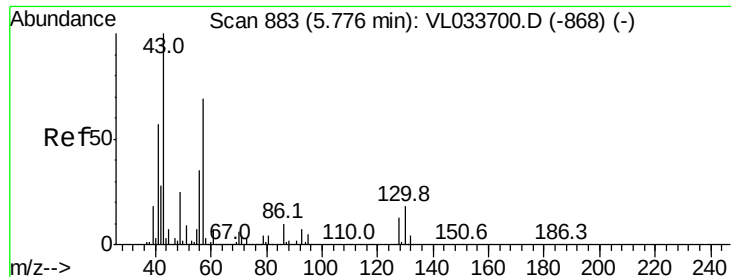
84 100

49 141.2 112.8 169.2

51 43.1 33.4 50.0

86 70.4 51.7 77.5





#26

Hexane

Concen: 0.490 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033815.D

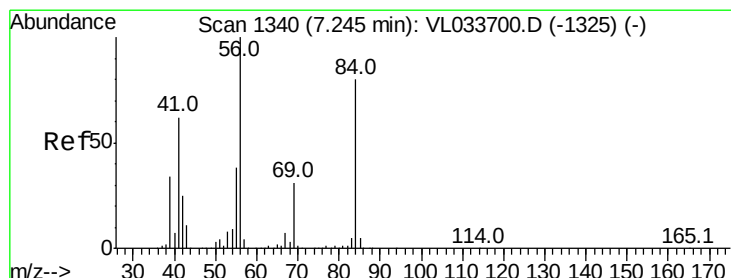
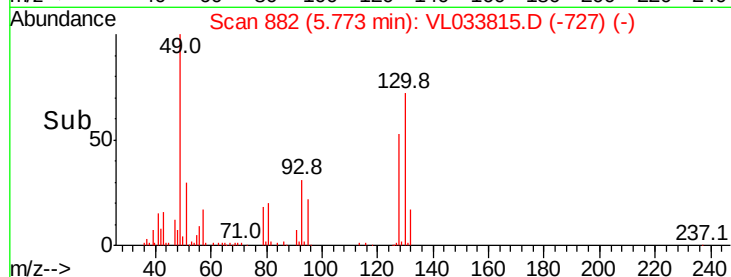
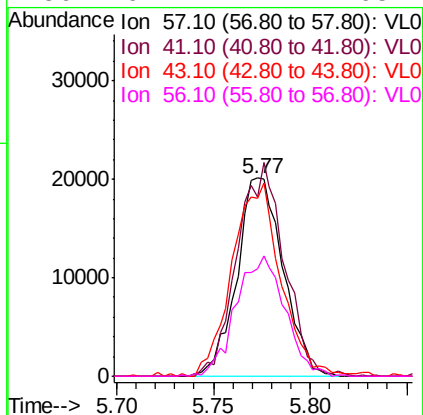
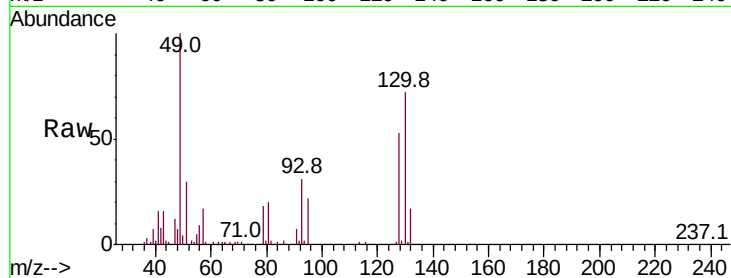
Acq: 28 May 2019 23:12

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

Tot Ion	57	Resp	33462
Ion	Ratio	Lower	Upper
57	100		
41	109.7	69.8	104.6#
43	103.9	181.8	272.6#
56	64.2	42.1	63.1#

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#30

Cyclohexane

Concen: 0.125 ppbv m

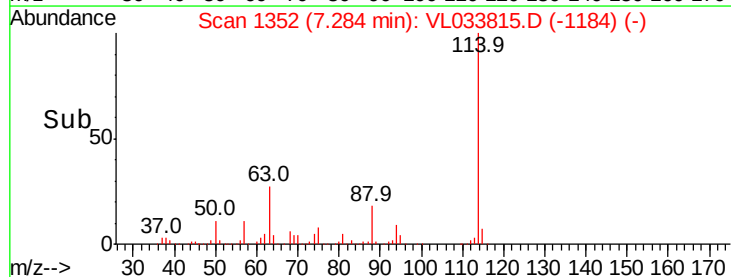
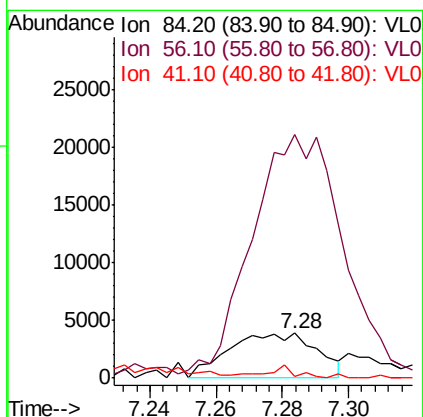
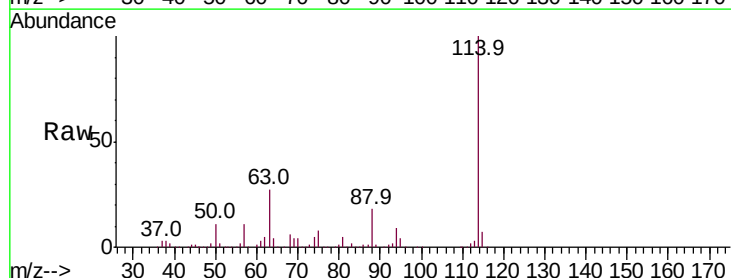
RT: 7.28 min Scan# 1352

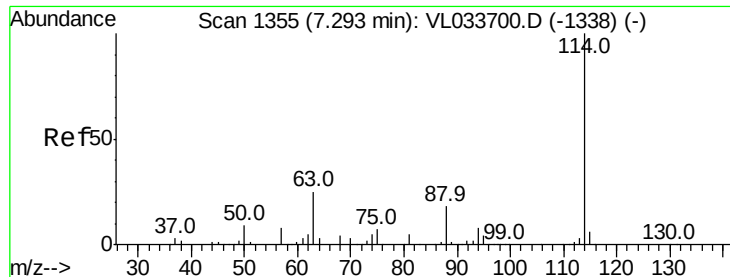
Delta R.T. 0.04 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Tgt Ion	84	Resp	7177
Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	66.0	99.0#





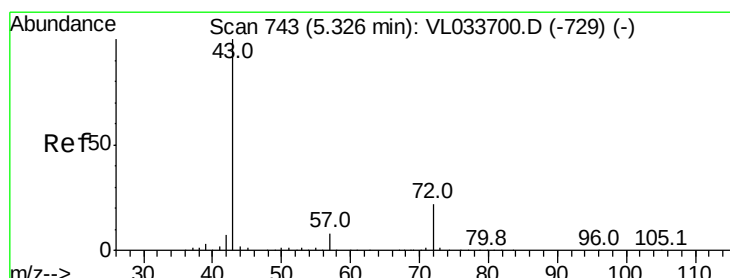
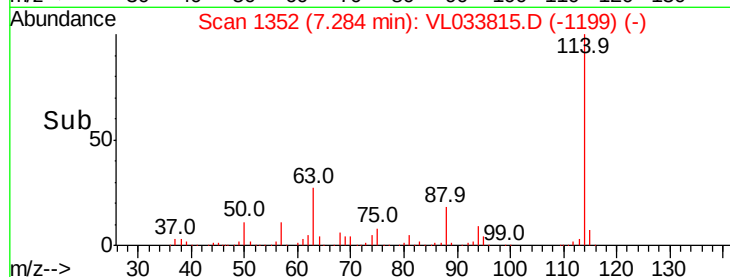
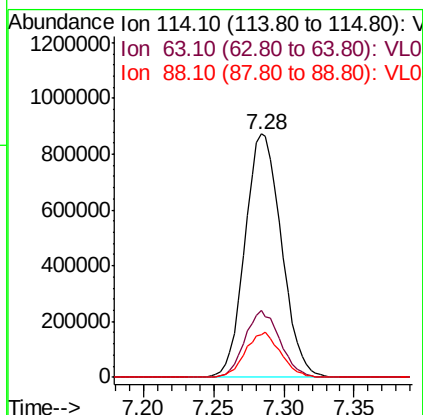
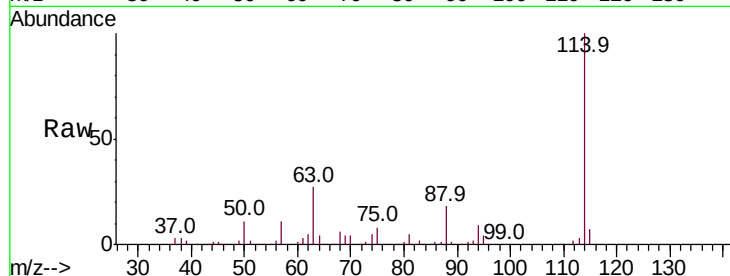
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3004-04

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.9	31.3
88	17.8	14.3	21.5

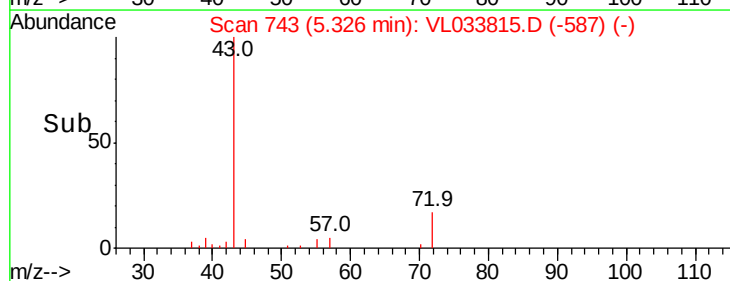
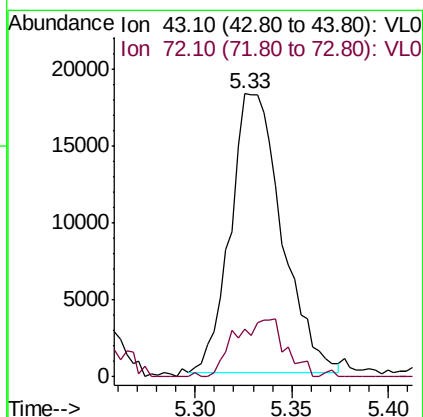
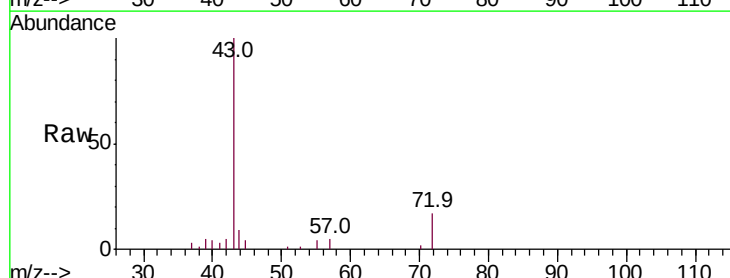
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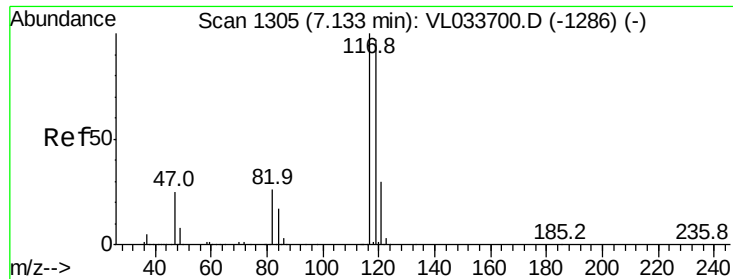
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#34
 2-Butanone
 Concen: 0.343 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.075 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

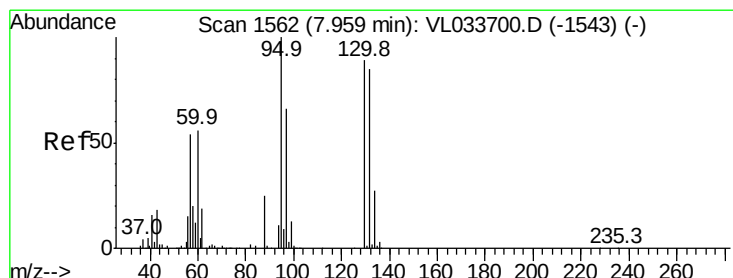
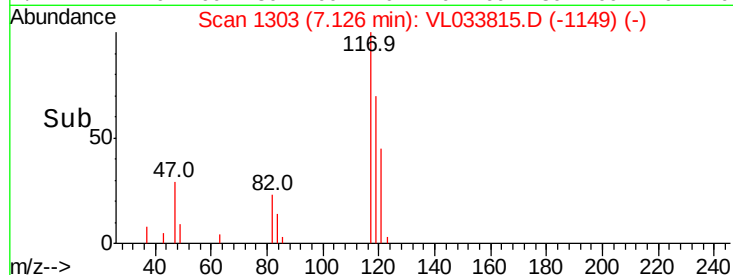
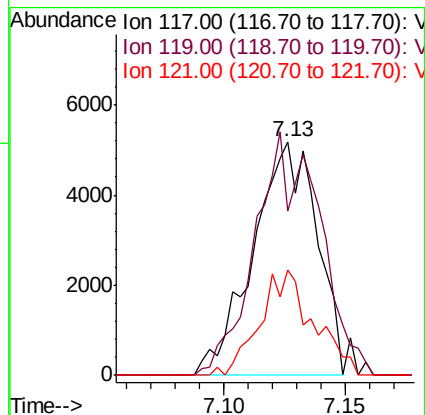
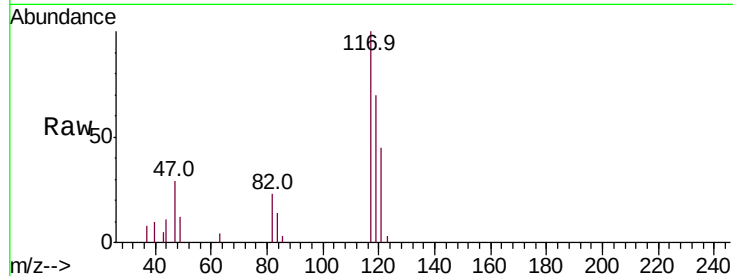
ClientSampleId :

BPS1-ODA-3004-04

Tot Ion	Ratio	Lower	Upper
117	100		
119	70.4	77.2	115.8#
121	45.0	24.1	36.1#

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#38

Trichloroethene

Concen: 0.086 ppbv m

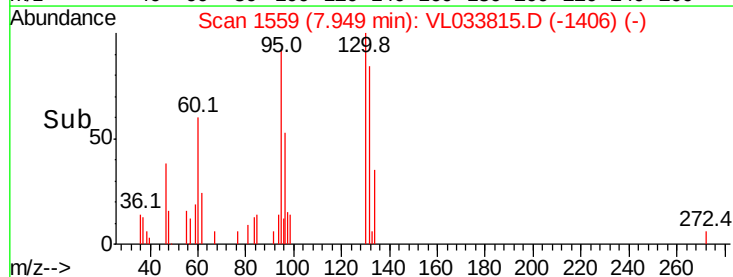
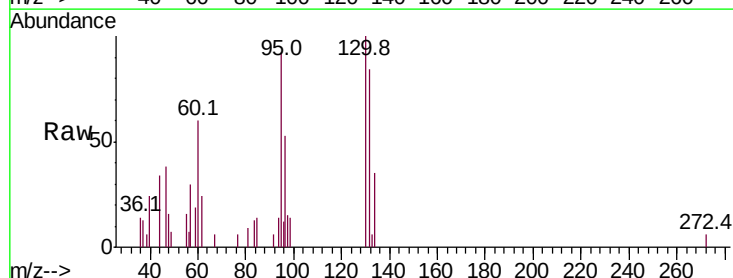
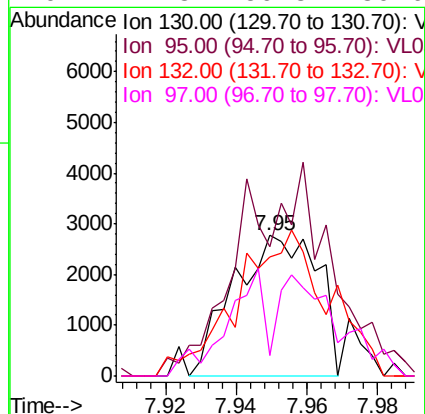
RT: 7.95 min Scan# 1559

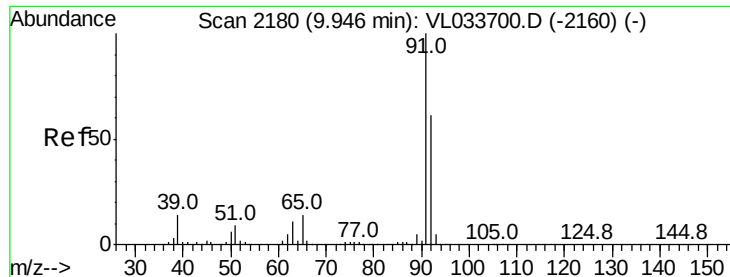
Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	90.2	135.4
132	84.4	76.4	114.6
97	14.8	59.8	89.6#





#53

Toluene

Concen: 3.683 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

Tot Ion: 91 Resp: 571516

Ion Ratio Lower Upper

91 100

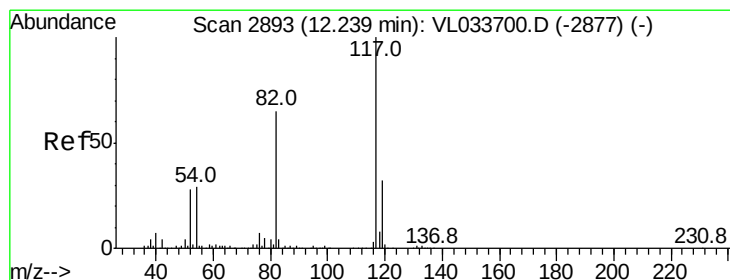
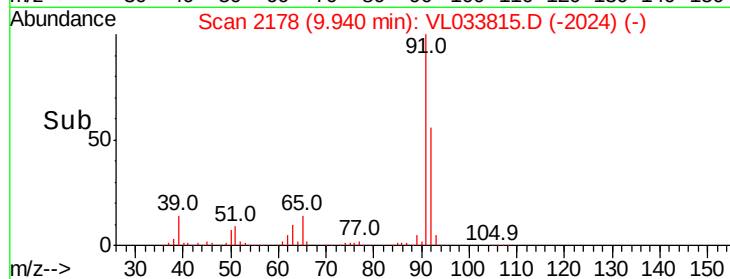
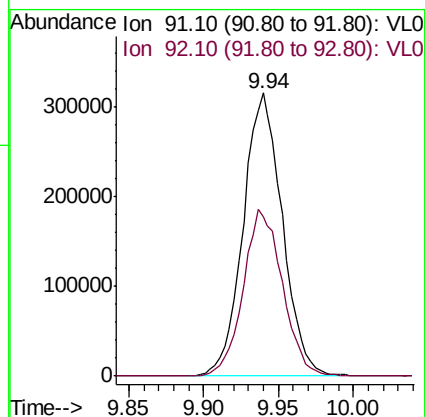
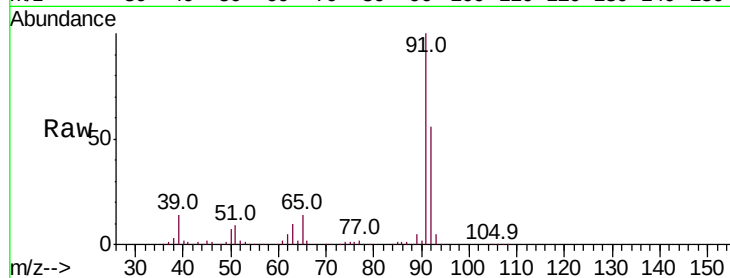
92 59.5 47.6 71.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

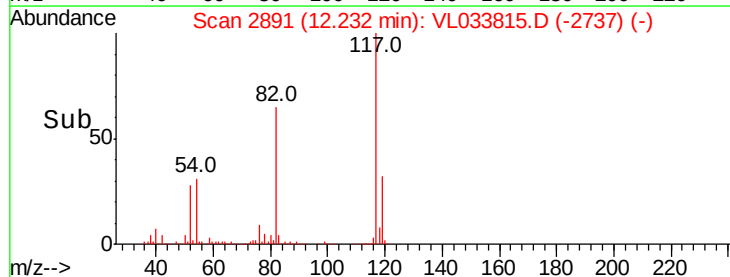
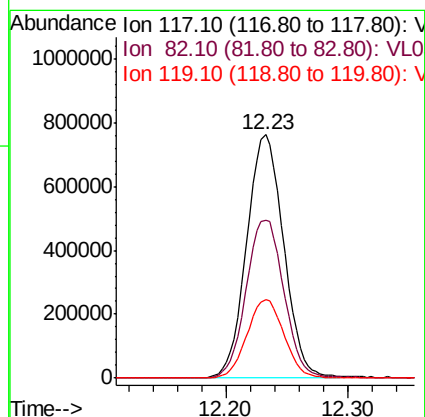
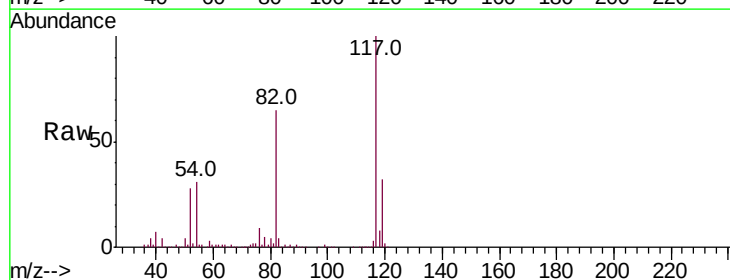
Tgt Ion: 117 Resp: 1596216

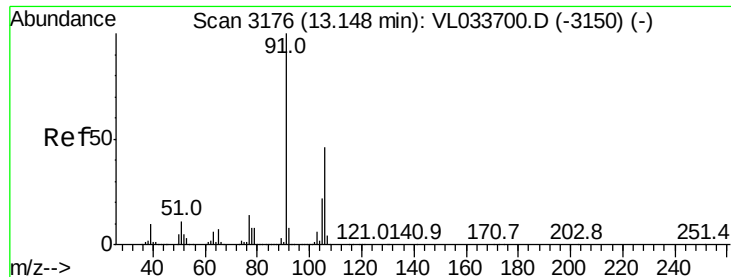
Ion Ratio Lower Upper

117 100

82 66.7 49.4 74.0

119 32.7 24.9 37.3





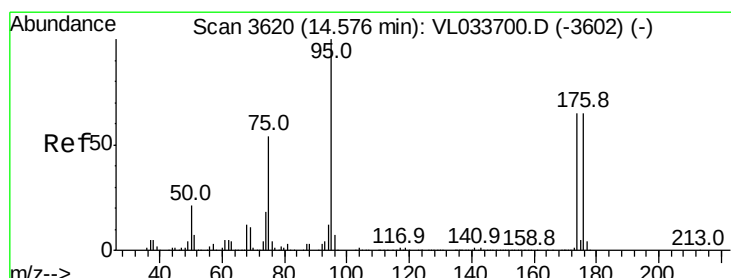
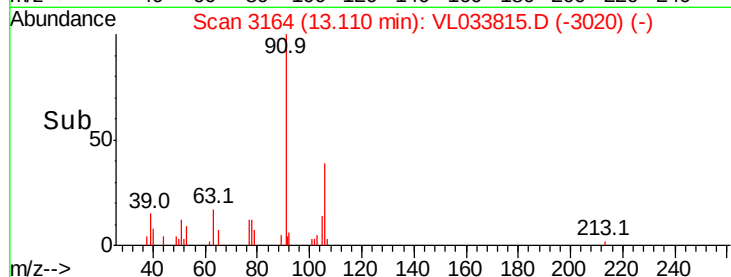
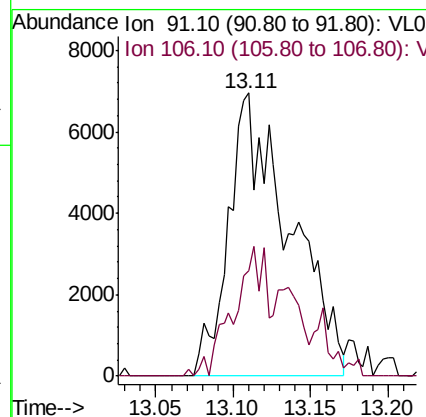
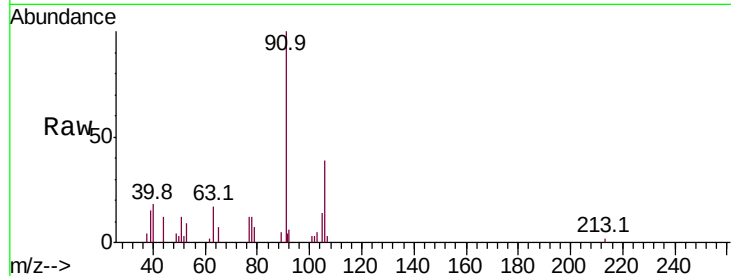
#59
m/p-Xylene
Concen: 0.103 ppbv m
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

Tot Ion: 91 Resp: 19063
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.197 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

Tgt Ion: 95 Resp: 1319478
Ion Ratio Lower Upper
95 100
174 67.0 53.9 80.9
175 4.8 3.8 5.8

