

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033632.D
 Acq On : 2 May 2019 17:45
 Operator : SY/AP
 Sample : K2628-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-4

Manual Integrations
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MMDadoda
 5/4/2019 7:18:40 AM

Quant Time: May 03 08:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 08:45:19 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	859331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2072458	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2322318	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1826818	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	58629	0.453	ppbv	88
4) Chloromethane	3.17	50	32612	0.583	ppbv	93
9) Propene	3.05	41	26061	0.886	ppbv #	70
11) Trichlorofluoromethane	4.00	101	44634	0.290	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	8528	0.081	ppbv	98
13) Ethanol	3.65	45	798656	59.875	ppbv	99
15) Acetone	3.90	43	639203	6.110	ppbv	95
19) Isopropyl Alcohol	4.03	45	179325	2.497	ppbv #	94
20) Methylene Chloride	4.41	84	57540	1.411	ppbv	94
26) Hexane	5.77	57	99535	1.190	ppbv #	46
34) 2-Butanone	5.33	43	37454	0.294	ppbv	96
35) Carbon Tetrachloride	7.13	117	11298m	0.069	ppbv	
36) Benzene	7.00	78	19992m	0.113	ppbv	
53) Toluene	9.94	91	1808421	8.115	ppbv	100

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

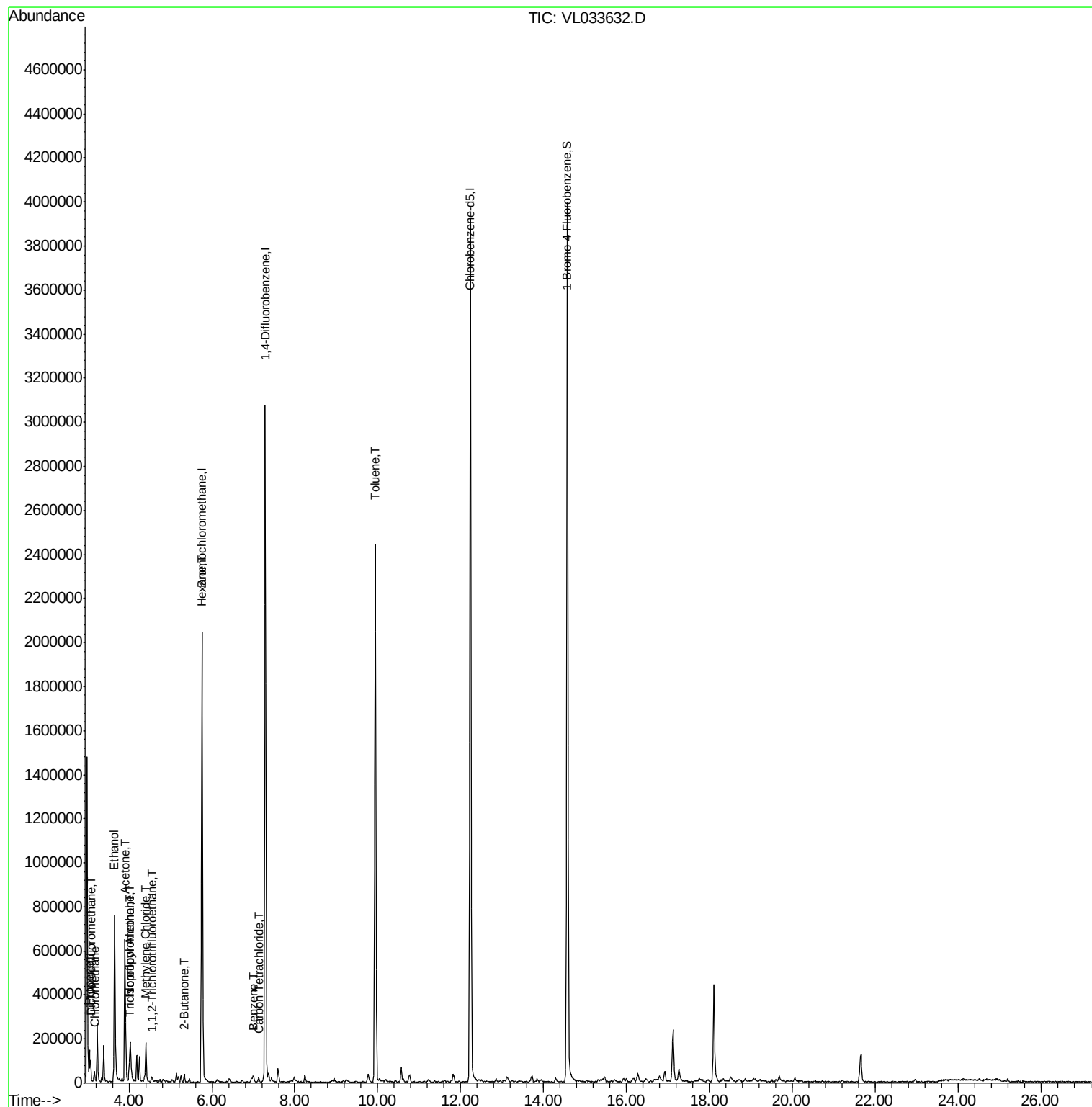
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050219\
Data File : VL033632.D
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Operator : SY/AP
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Misc : 400ml/MSVOA L
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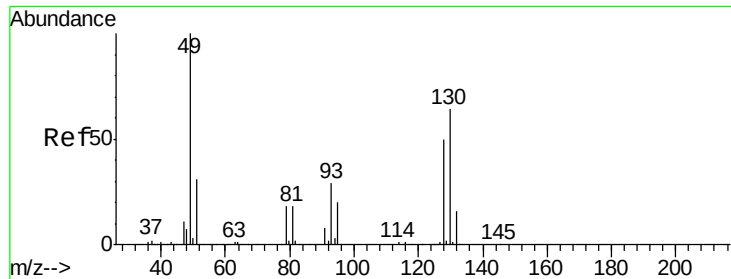
Instrument :
MSVOA_L
ClientSampleId :
A-4

Manual Integrations
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5/4/2019 7:18:40 AM

Quant Time: May 03 08:45:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration





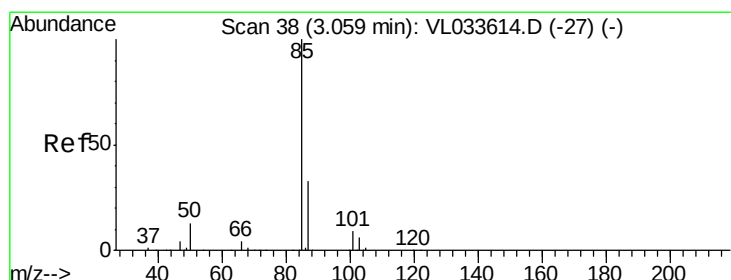
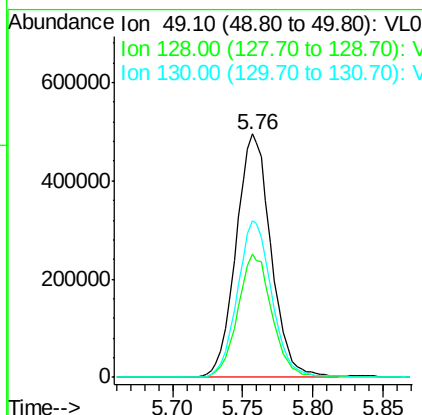
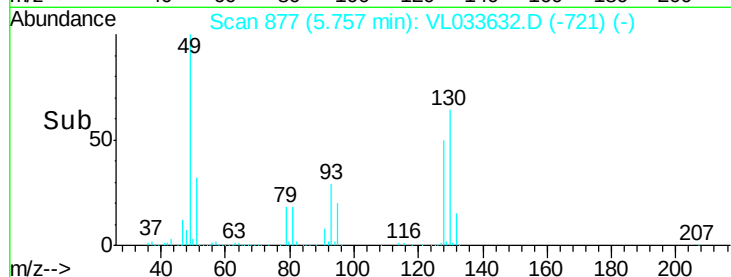
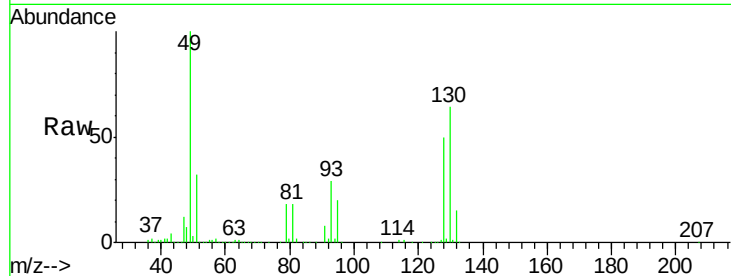
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VL033632.D
 Acq: 2 May 2019 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 A-4

Tot Ion:	49	Resp:	859331
Ion Ratio	Lower	Upper	
49	100		
128	49.3	25.0	75.0
130	63.9	31.9	95.9

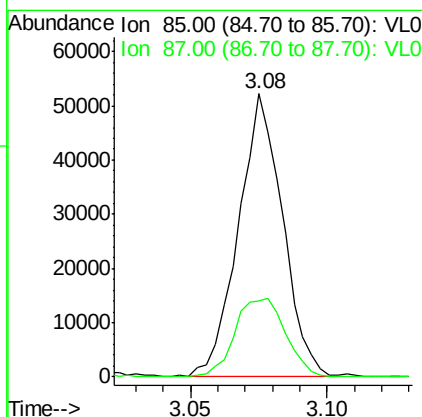
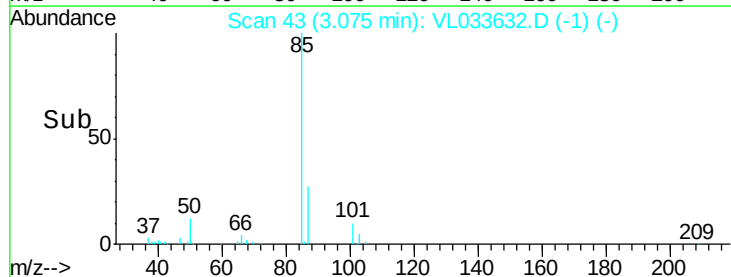
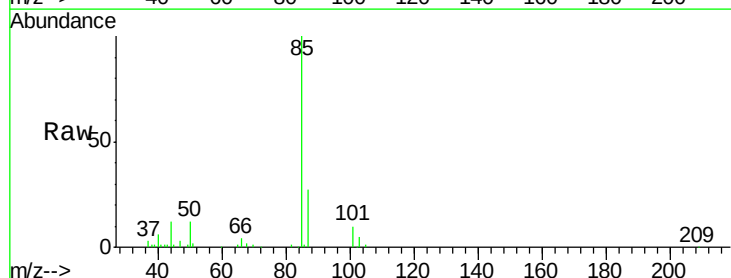
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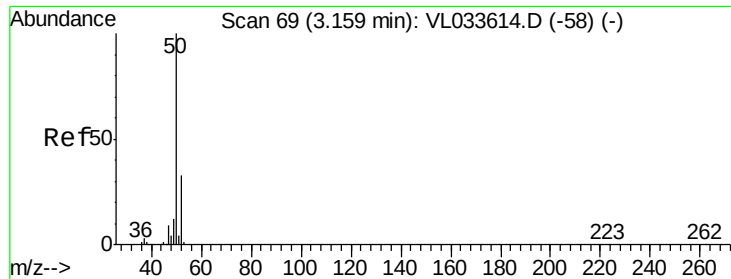
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#2
 Dichlorodifluoromethane
 Concen: 0.453 ppbv
 RT: 3.08 min Scan# 43
 Delta R.T. 0.02 min
 Lab File: VL033632.D
 Acq: 2 May 2019 17:45

Tgt Ion:	85	Resp:	58629
Ion Ratio	Lower	Upper	
85	100		
87	26.8	26.8	40.2





#4

Chloromethane

Concen: 0.583 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL033632.D

Acq: 2 May 2019 17:45

Instrument :

MSVOA_L

ClientSampled :

A-4

Tot Ion: 50 Resp: 32612

Ion Ratio Lower Upper

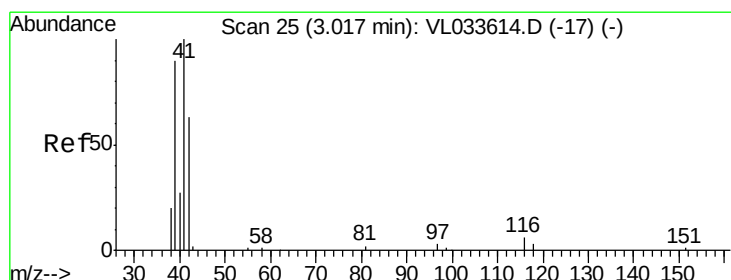
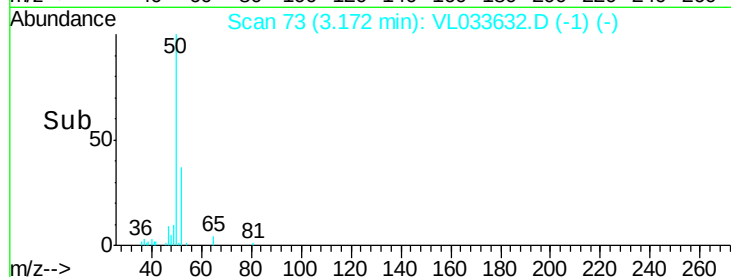
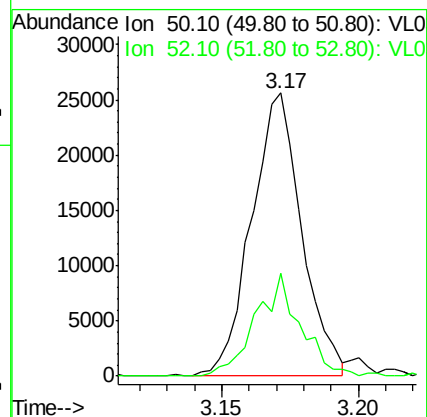
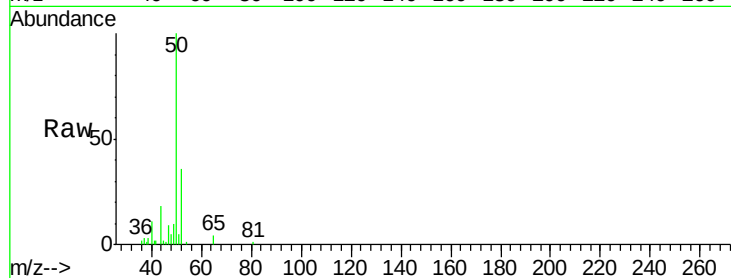
50 100

52 36.5 26.0 39.0

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#9

Propene

Concen: 0.886 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.03 min

Lab File: VL033632.D

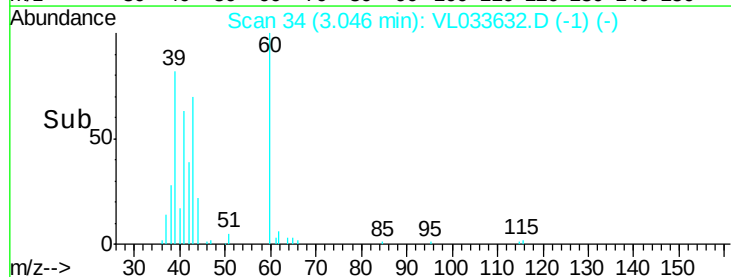
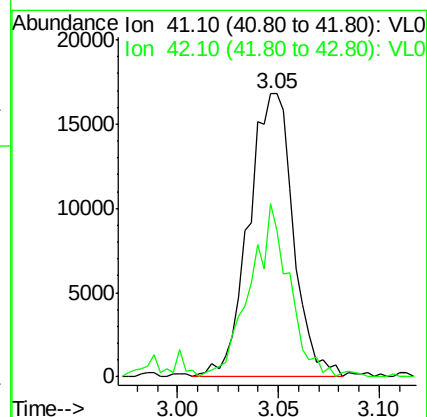
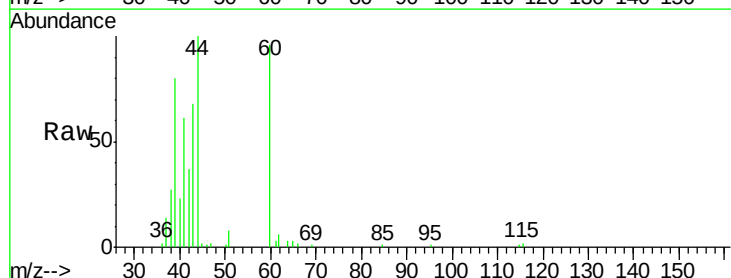
Acq: 2 May 2019 17:45

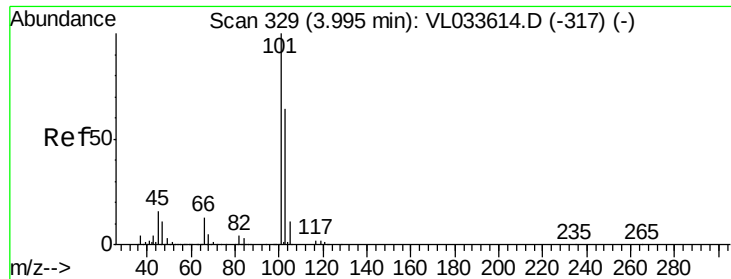
Tgt Ion: 41 Resp: 26061

Ion Ratio Lower Upper

41 100

42 56.0 66.0 99.0#





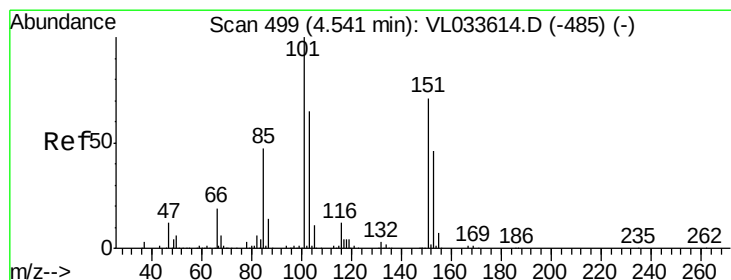
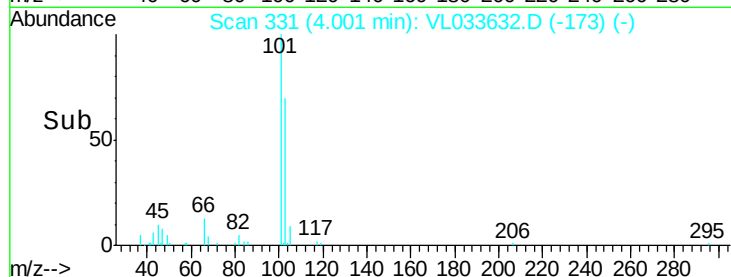
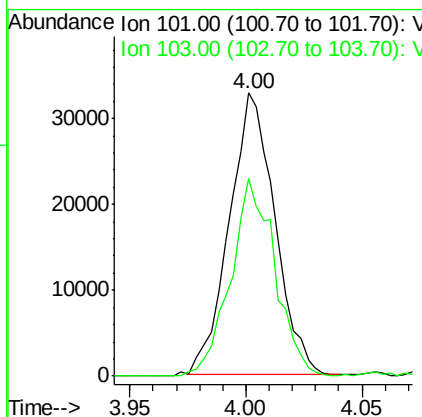
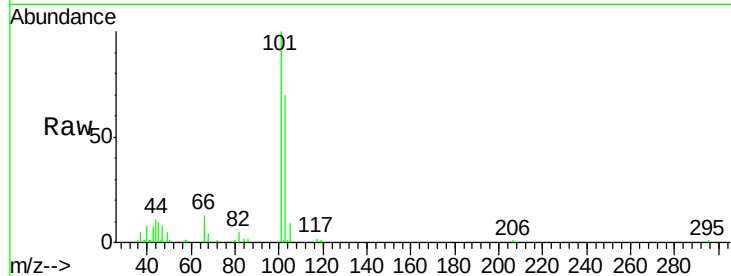
#11
 Trichlorofluoromethane
 Concen: 0.290 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VL033632.D
 Acq: 2 May 2019 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 A-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		44634		
103	70.3	51.2	76.8		

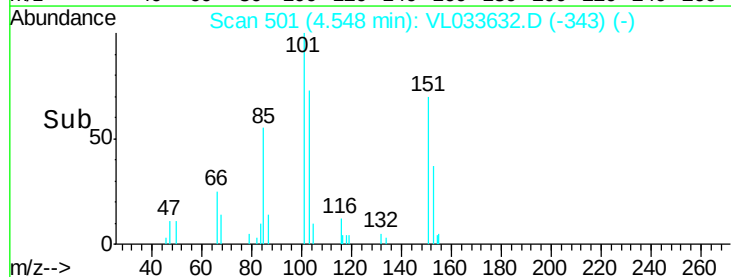
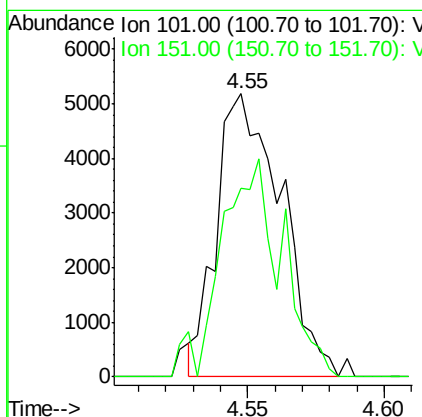
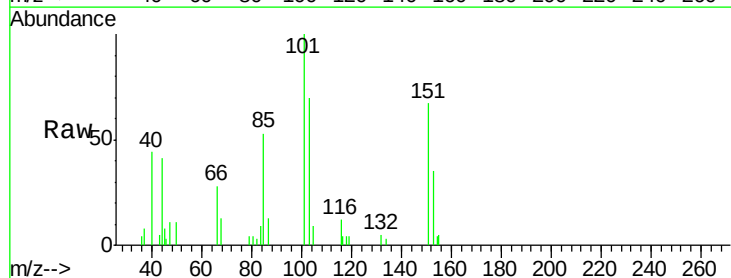
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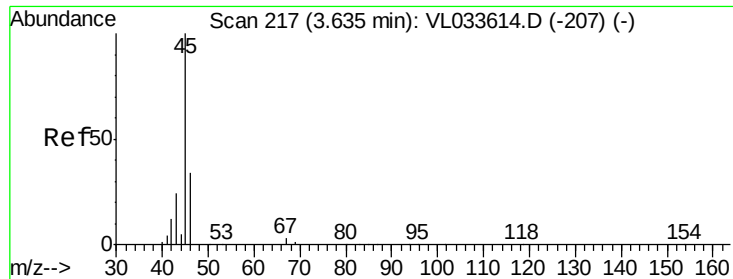
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.081 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VL033632.D
 Acq: 2 May 2019 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		8528		
151	72.3	59.2	88.8		





#13

Ethanol

Concen: 59.875 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.02 min

Lab File: VL033632.D

Acq: 2 May 2019 17:45

Instrument :

MSVOA_L

ClientSampleId :

A-4

Tot Ion: 45 Resp: 798656

Ion Ratio Lower Upper

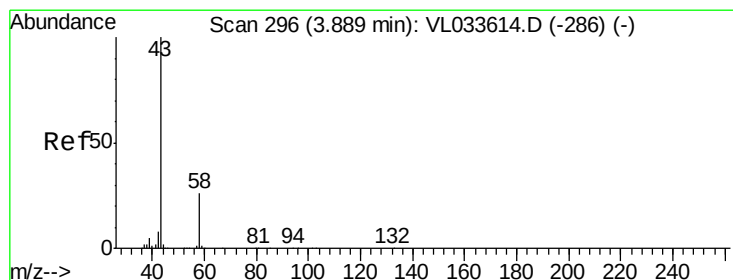
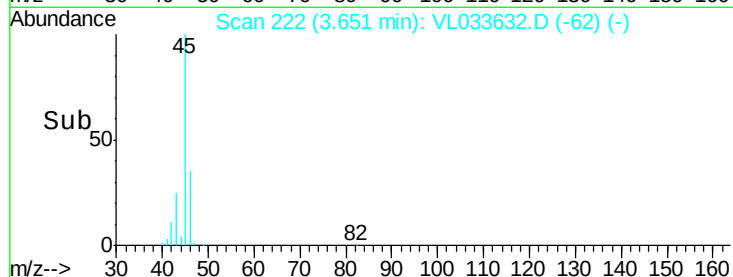
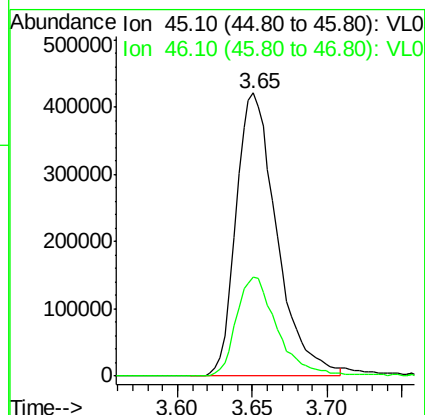
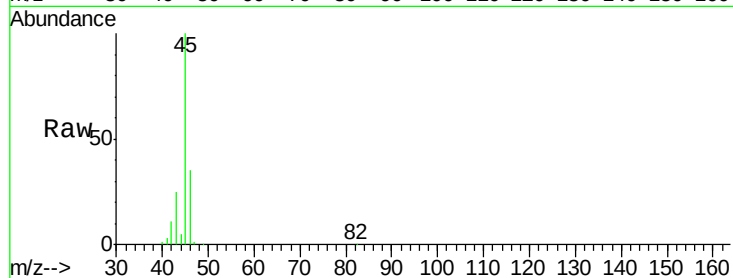
45 100

46 36.0 14.6 58.2

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#15

Acetone

Concen: 6.110 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033632.D

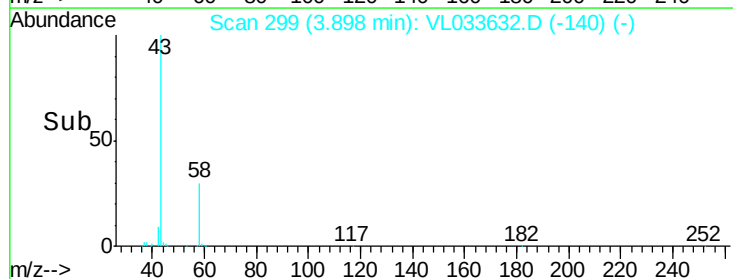
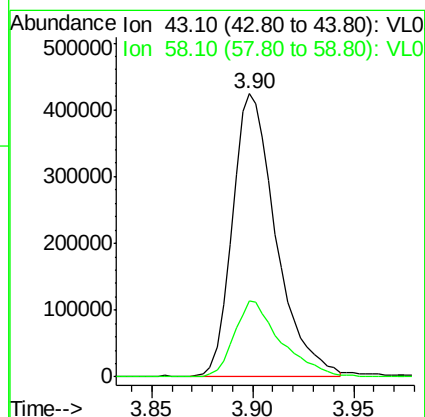
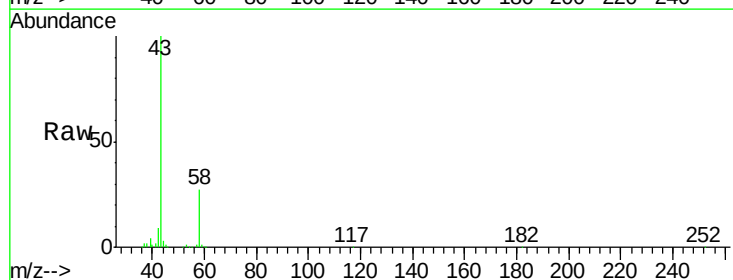
Acq: 2 May 2019 17:45

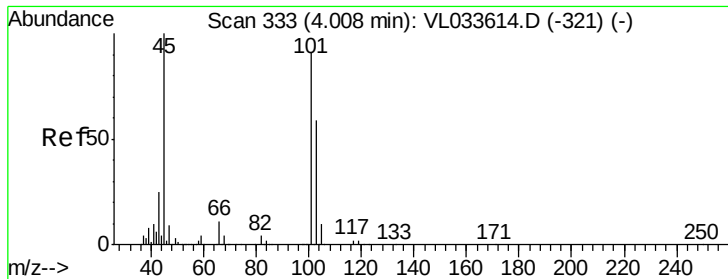
Tgt Ion: 43 Resp: 639203

Ion Ratio Lower Upper

43 100

58 29.3 21.2 31.8





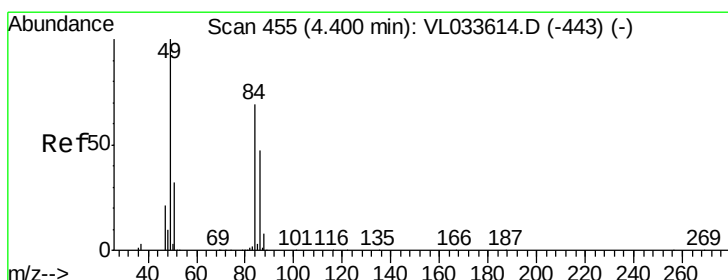
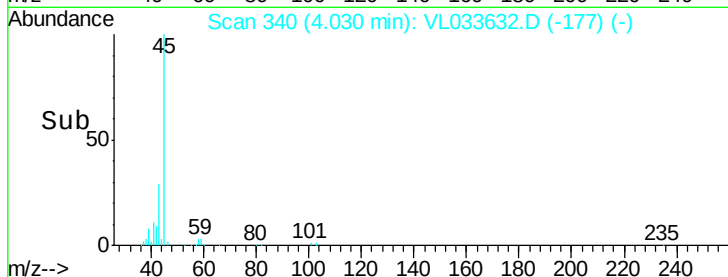
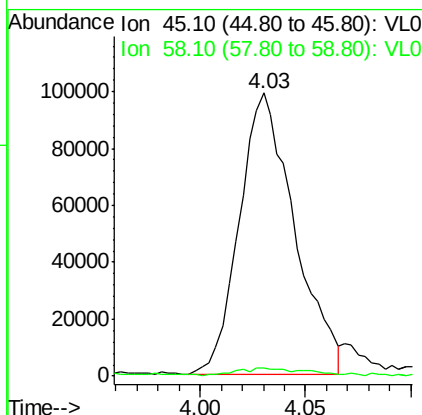
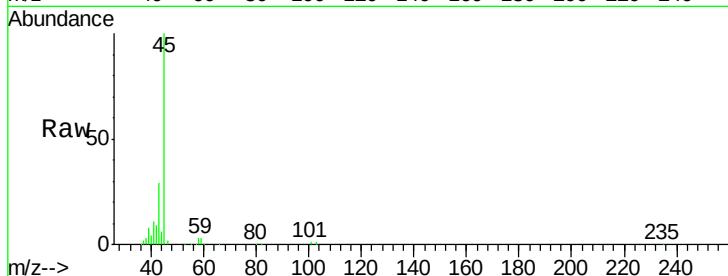
#19
Isopropyl Alcohol
Concen: 2.497 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Instrument :
MSVOA_L
ClientSampleId :
A-4

Tot Ion: 45 Resp: 179325
Ion Ratio Lower Upper
45 100
58 4.4 1.8 2.6#

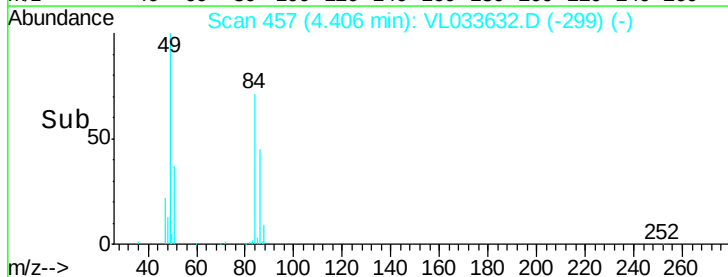
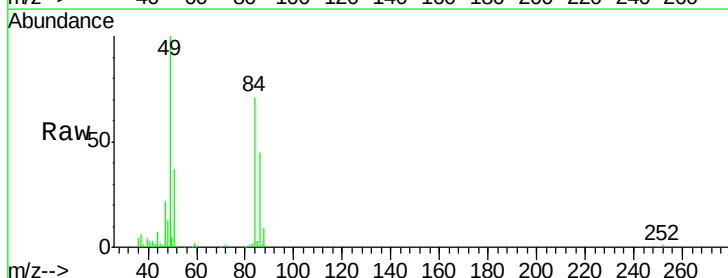
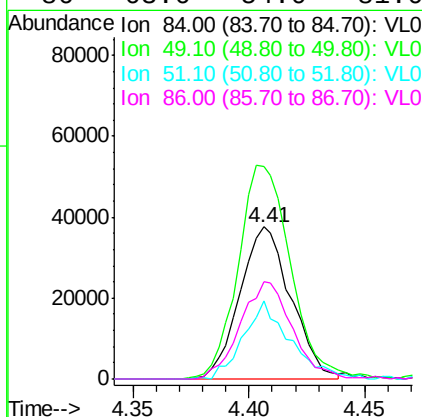
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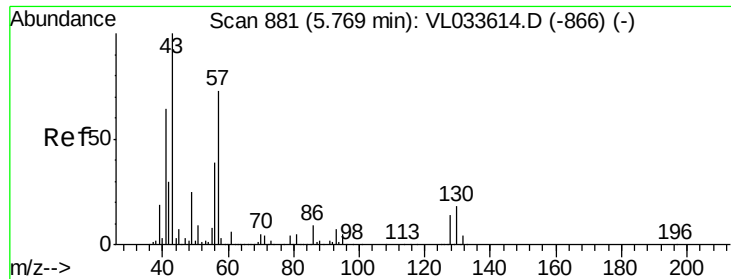
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#20
Methylene Chloride
Concen: 1.411 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.01 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Tgt Ion: 84 Resp: 57540
Ion Ratio Lower Upper
84 100
49 138.4 116.2 174.2
51 51.2 37.0 55.6
86 63.6 54.0 81.0





#26

Hexane

Concen: 1.190 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033632.D

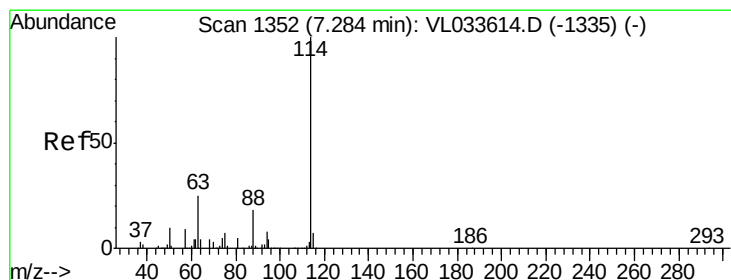
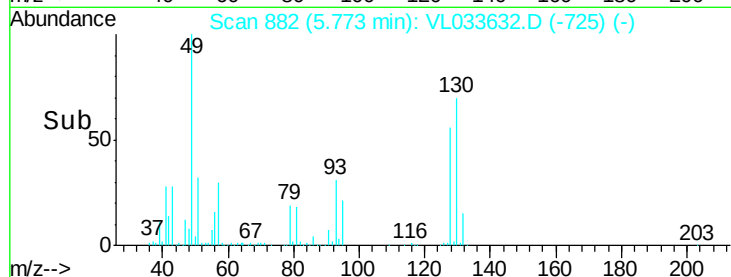
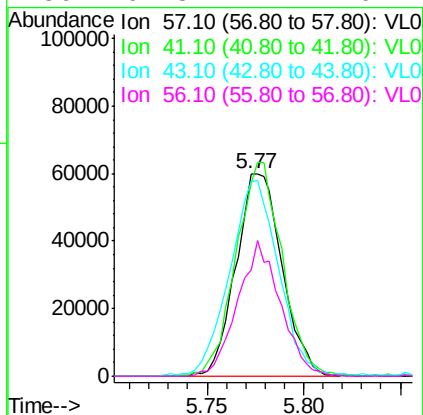
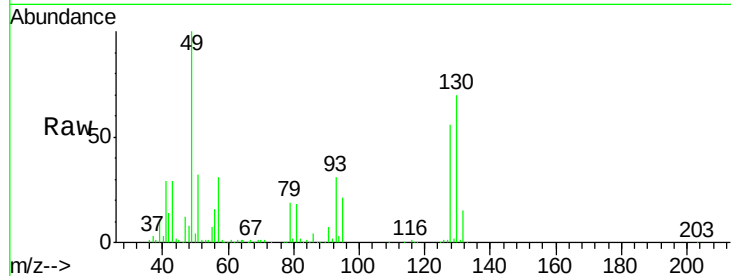
Acq: 2 May 2019 17:45

Instrument :
MSVOA_L
ClientSampled :
A-4

Tot Ion	57	Resp	99535
Ion	Ratio	Lower	Upper
57	100		
41	105.9	70.6	106.0
43	104.2	186.0	279.0#
56	61.8	42.7	64.1

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

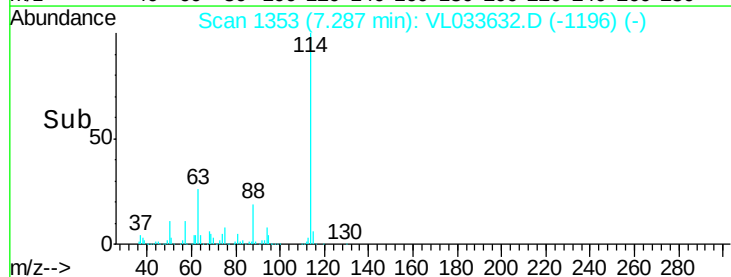
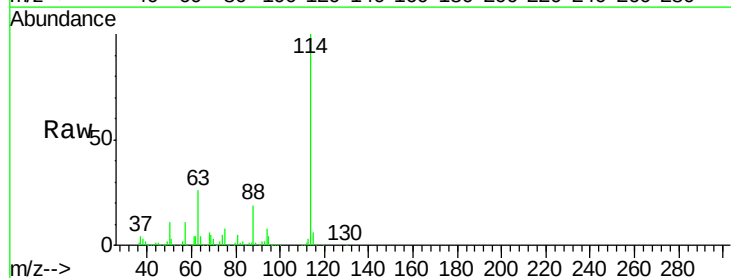
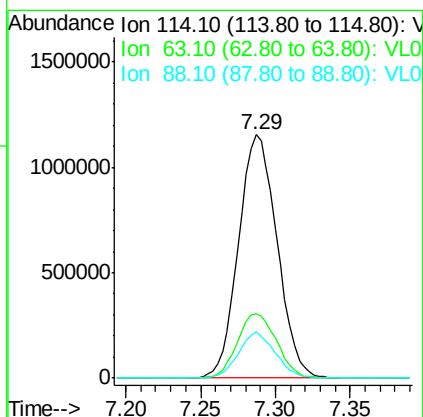
RT: 7.29 min Scan# 1353

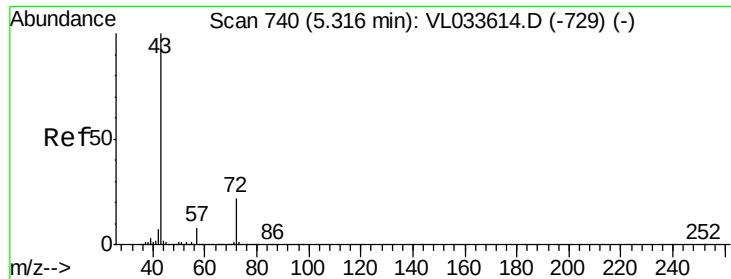
Delta R.T. 0.00 min

Lab File: VL033632.D

Acq: 2 May 2019 17:45

Tgt Ion	114	Resp	2072458
Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.1	31.7
88	18.1	14.2	21.4





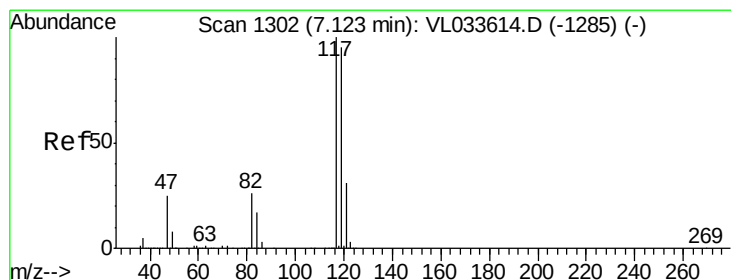
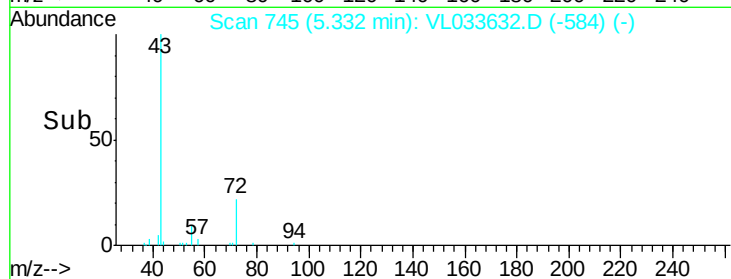
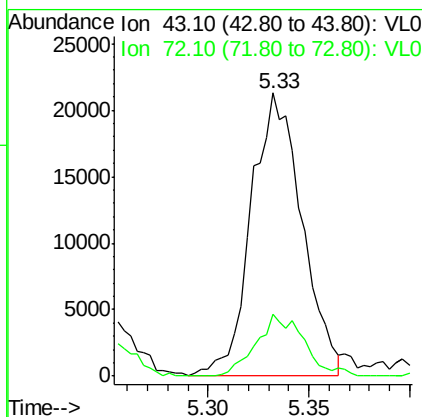
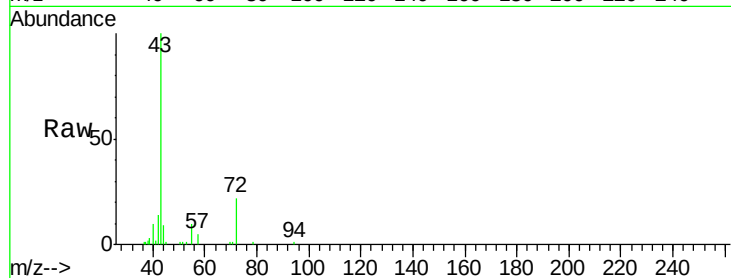
#34
2-Butanone
Concen: 0.294 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.02 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Instrument :
MSVOA_L
ClientSampleId :
A-4

Tot Ion	Ratio	Lower	Upper
43	100		
72	20.4	17.8	26.8

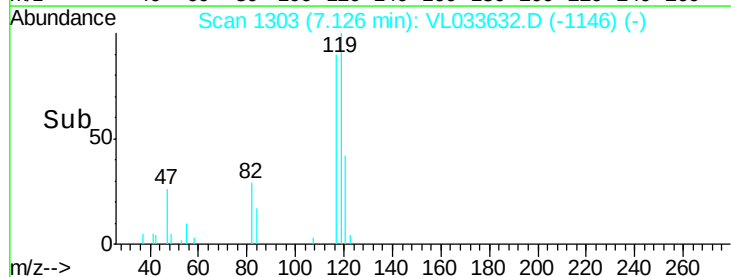
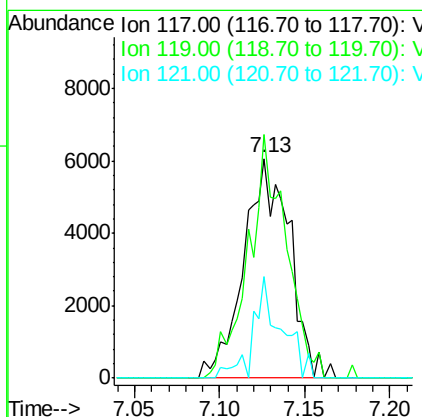
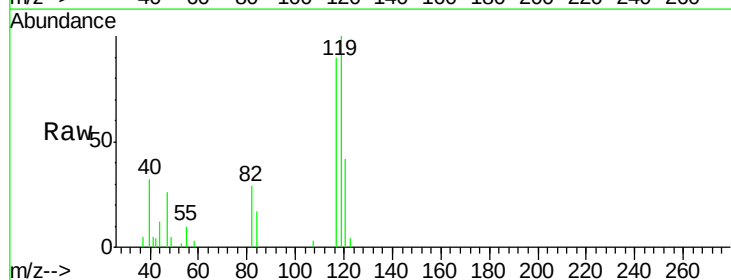
Manual Integrations
APPROVED

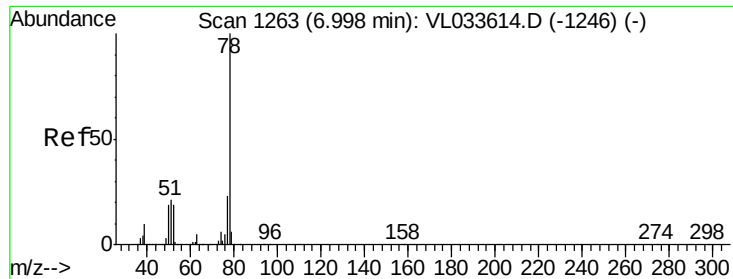
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#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.13 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	110.7	76.2	114.4
121	46.1	24.9	37.3#





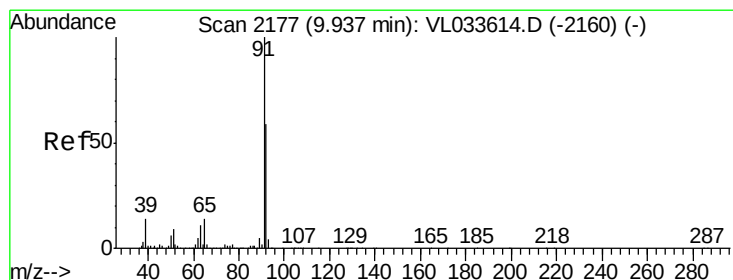
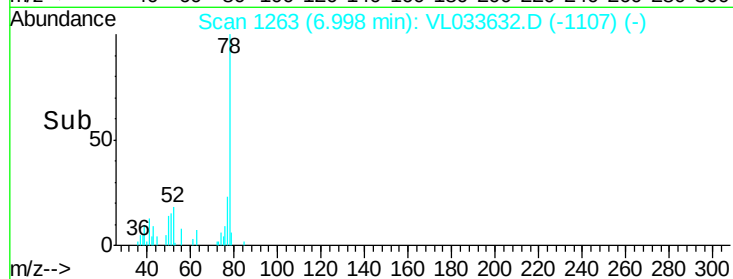
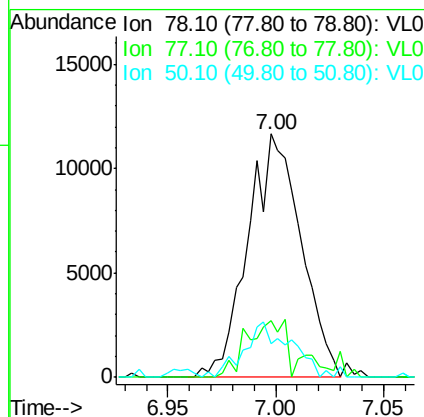
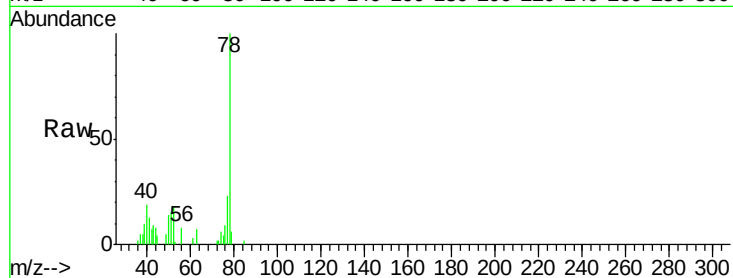
#36
Benzene
Concen: 0.113 ppbv m
RT: 7.00 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Instrument :
MSVOA_L
ClientSampleId :
A-4

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.1
50	13.9	15.1	22.7#

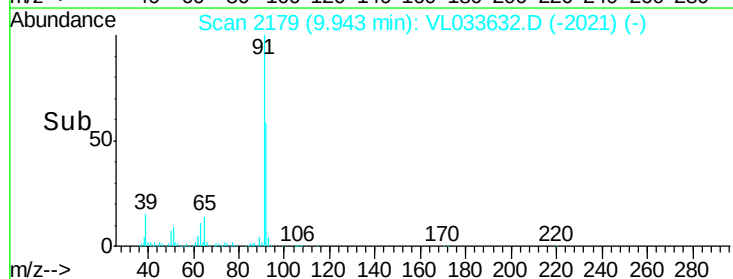
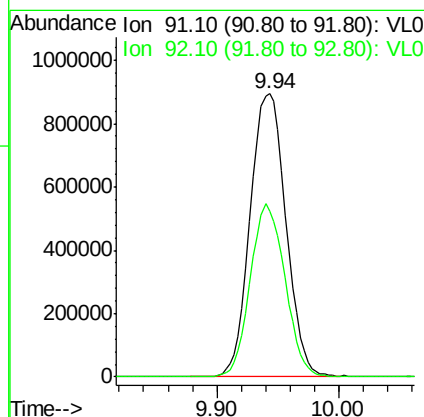
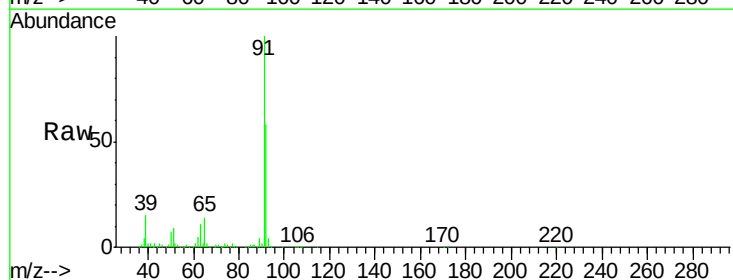
Manual Integrations
APPROVED

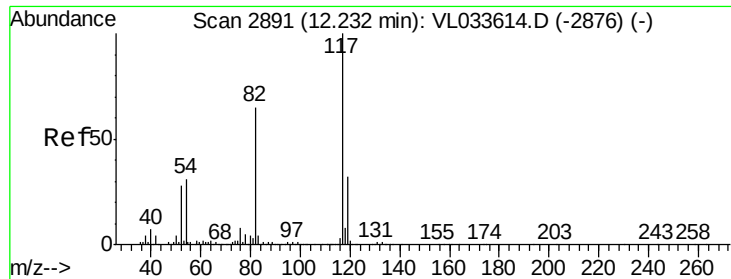
MMDadoda
5/4/2019 7:18:40 AM



#53
Toluene
Concen: 8.115 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.8	71.6





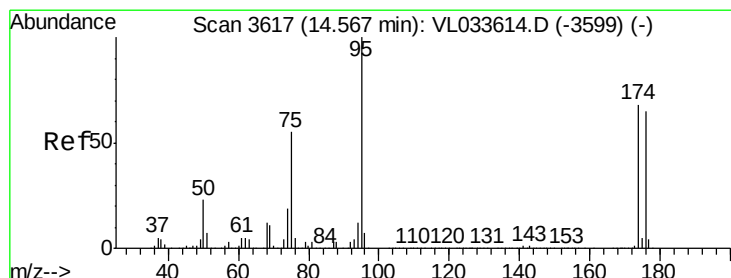
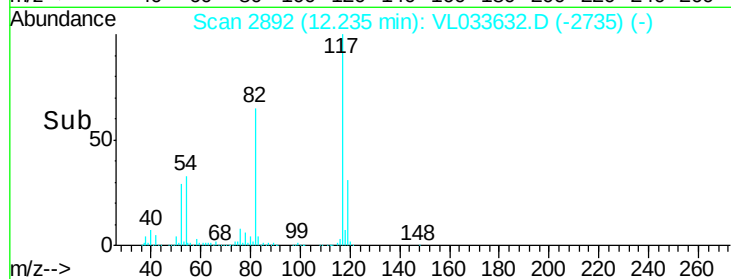
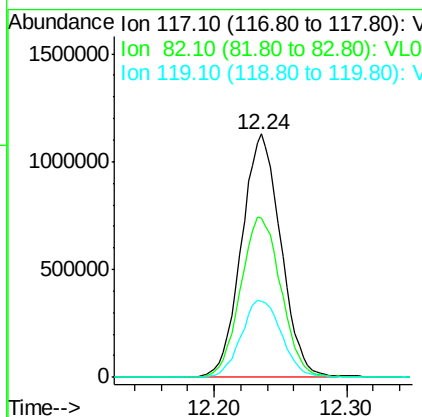
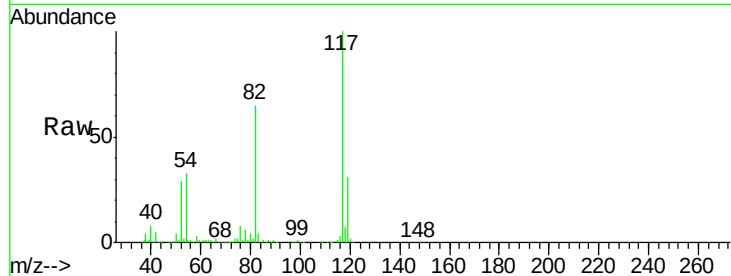
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Instrument :
MSVOA_L
ClientSampled :
A-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.6	52.6	78.8
119	32.7	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
5/4/2019 7:18:40 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.333 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033632.D
Acq: 2 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.9	80.9
175	5.0	4.0	6.0

