

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033749.D
 Acq On : 22 May 2019 18:11
 Operator : SY/AP
 Sample : K2929-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04

Manual Integrations
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 5/28/2019 2:52:26 AM

Quant Time: May 23 05:23:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 05:23:37 2019
 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	864892	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1940448	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	1941244	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1610481	10.23	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	33069	0.181	ppbv	94
3) Chlorodifluoromethane	3.01	51	27793m	0.281	ppbv	
4) Chloromethane	3.16	50	35240	0.622	ppbv #	86
11) Trichlorofluoromethane	3.99	101	42507	0.244	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	21661	0.178	ppbv	94
13) Ethanol	3.65	45	302960	22.244	ppbv	97
15) Acetone	3.90	43	366271	3.052	ppbv	97
20) Methylene Chloride	4.40	84	120793	2.614	ppbv	97
26) Hexane	5.77	57	105132	1.160	ppbv #	39
34) 2-Butanone	5.32	43	30195m	0.251	ppbv	
35) Carbon Tetrachloride	7.12	117	11537m	0.074	ppbv	
53) Toluene	9.93	91	123530	0.649	ppbv	99

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

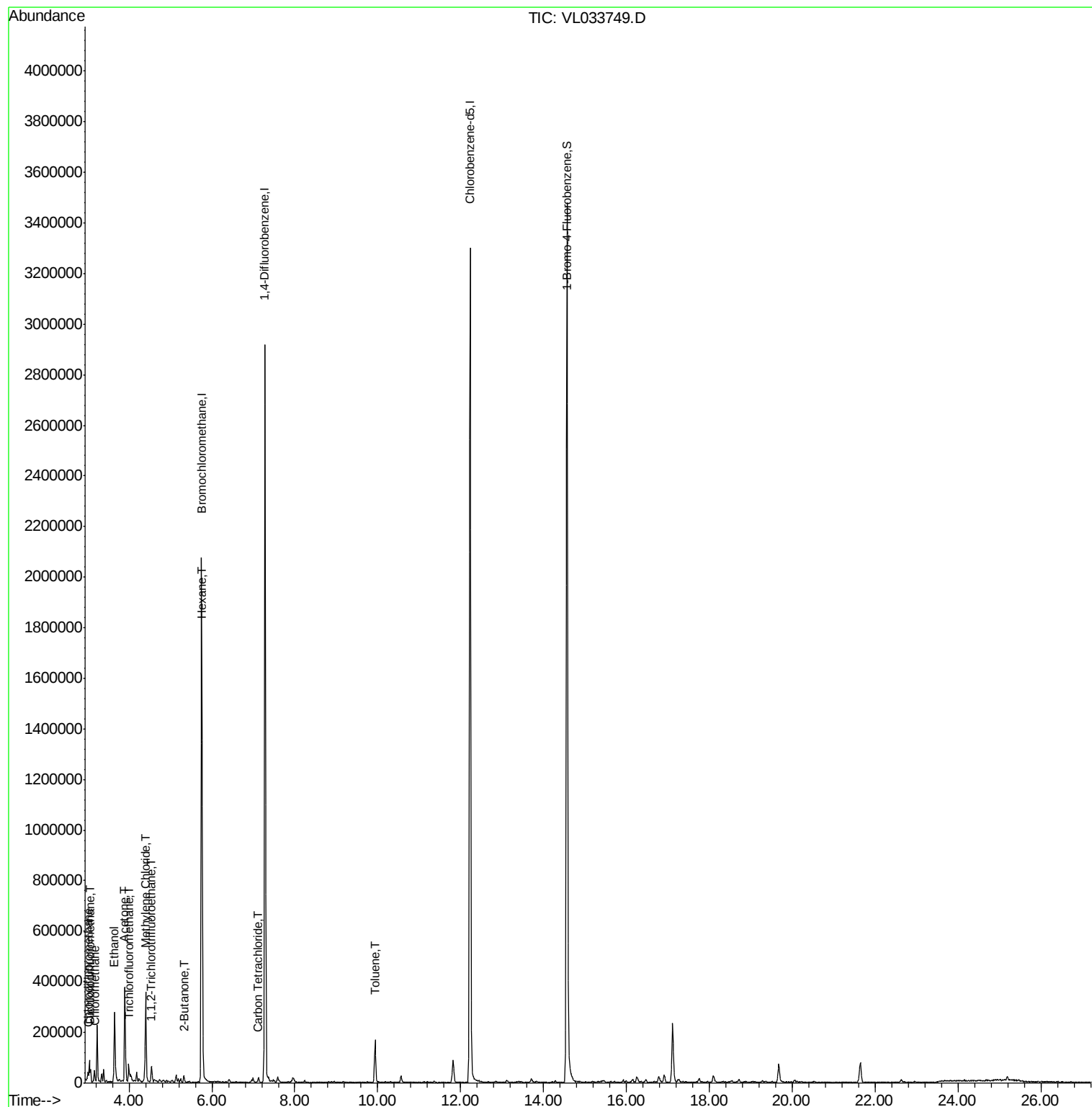
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033749.D
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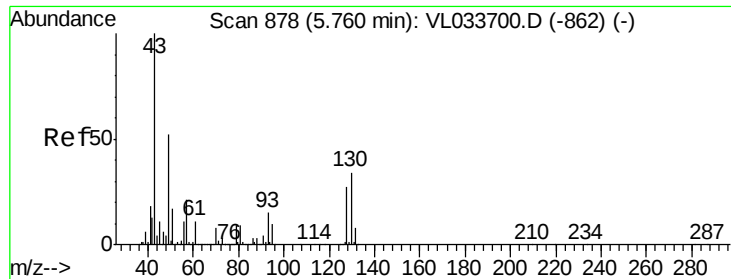
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Manual Integrations
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Quant Time: May 23 05:23:37 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# 875

Delta R.T. -0.01 min

Lab File: VL033749.D

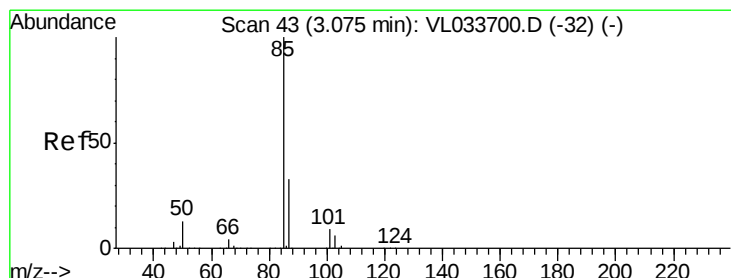
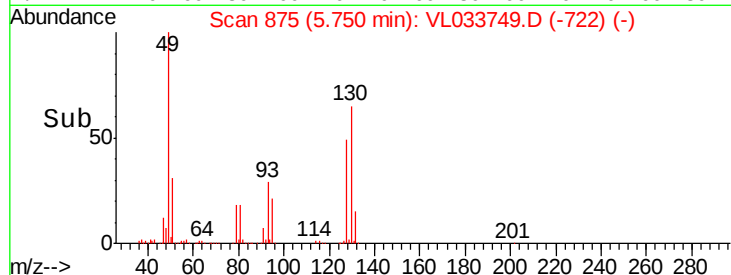
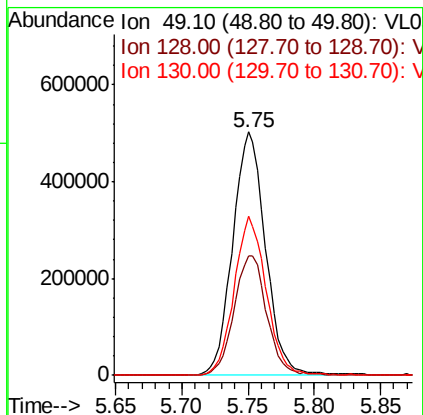
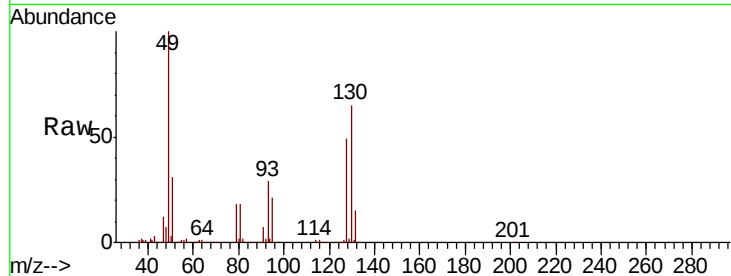
Acq: 22 May 2019 18:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Tot Ion:	49	Resp:	864892
Ion	Ratio	Lower	Upper
49	100		
128	49.2	25.2	75.6
130	64.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.181 ppbv

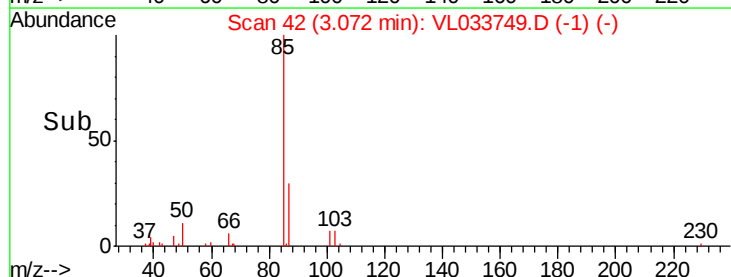
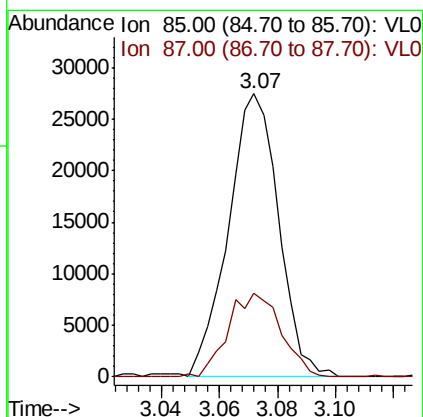
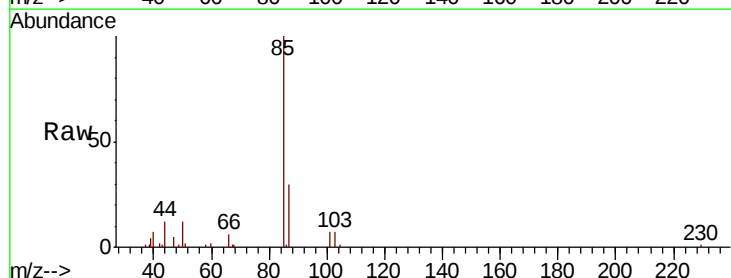
RT: 3.07 min Scan# 42

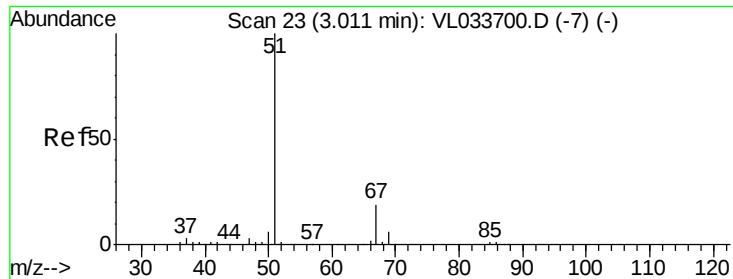
Delta R.T. -0.00 min

Lab File: VL033749.D

Acq: 22 May 2019 18:11

Tgt Ion:	85	Resp:	33069
Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.3	39.5





#3

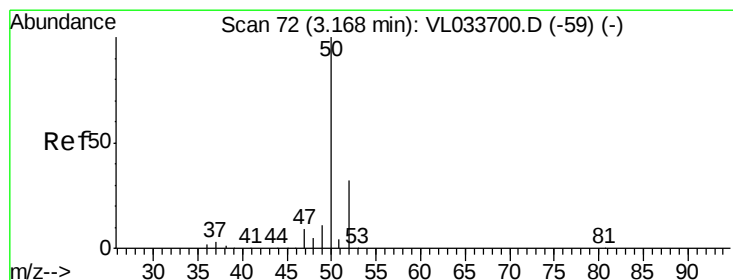
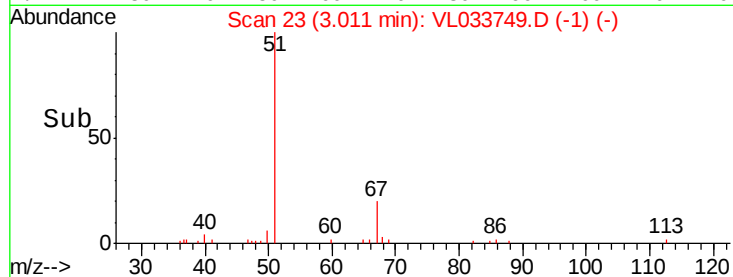
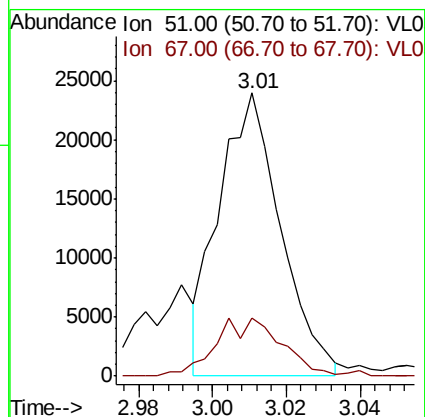
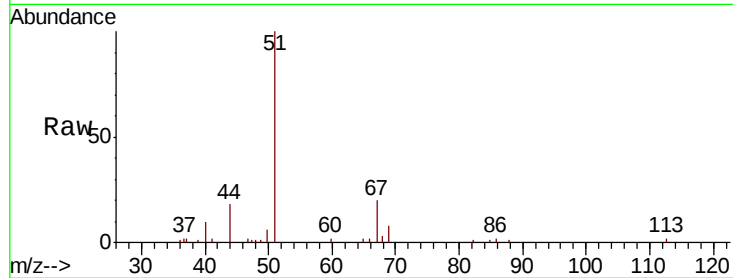
Chlorodifluoromethane
Concen: 0.281 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Tot Ion	51	Resp	27793
Ion Ratio	Lower	Upper	
51	100		
67	22.2	15.6	23.4

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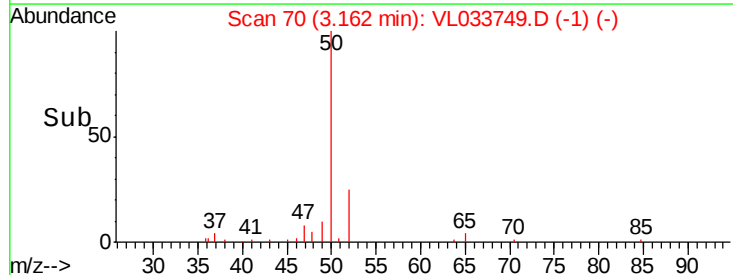
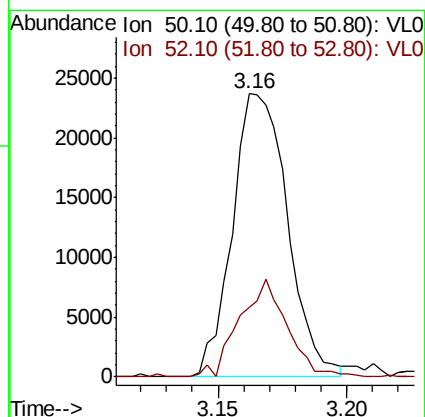
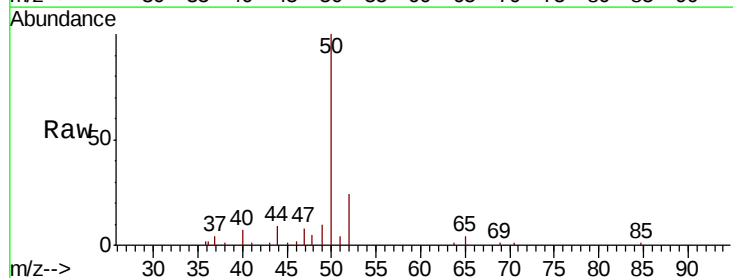
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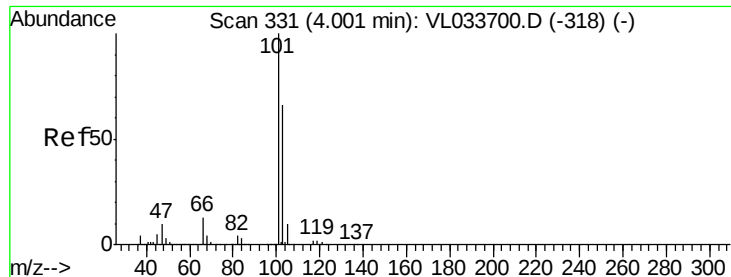


#4

Chloromethane
Concen: 0.622 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.01 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Tgt Ion	50	Resp	35240
Ion Ratio	Lower	Upper	
50	100		
52	24.4	25.7	38.5#





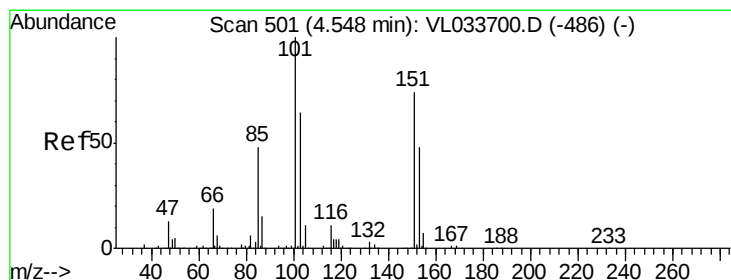
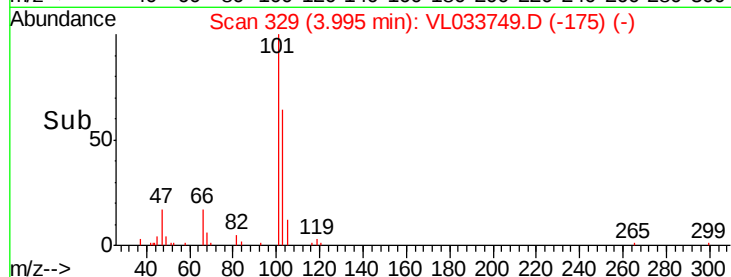
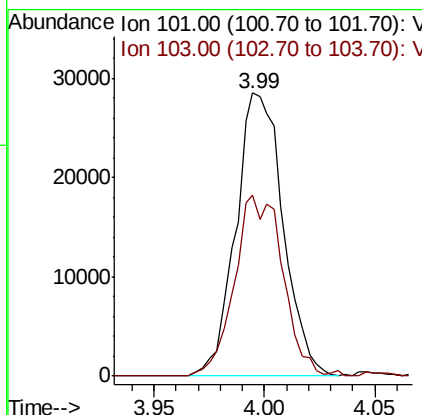
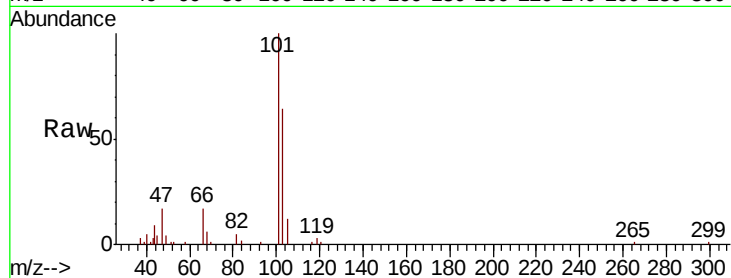
#11
 Trichlorofluoromethane
 Concen: 0.244 ppbv
 RT: 3.99 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VL033749.D
 Acq: 22 May 2019 18:11

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8

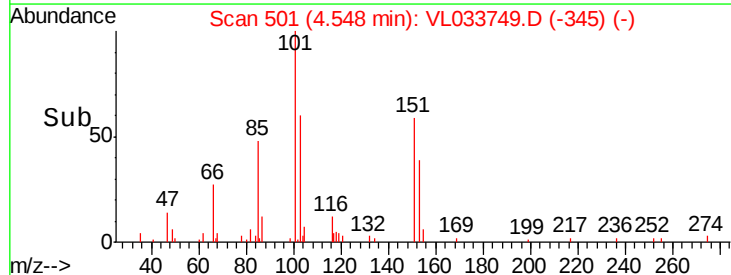
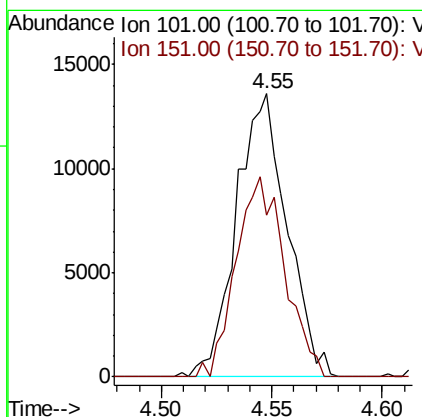
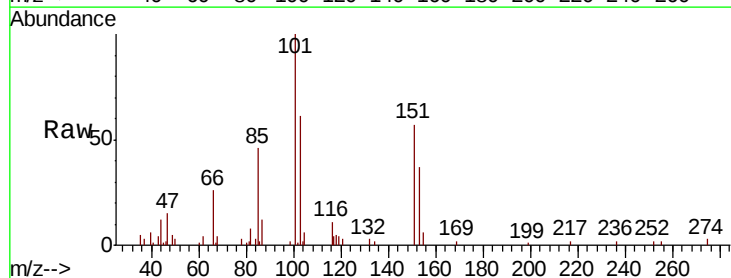
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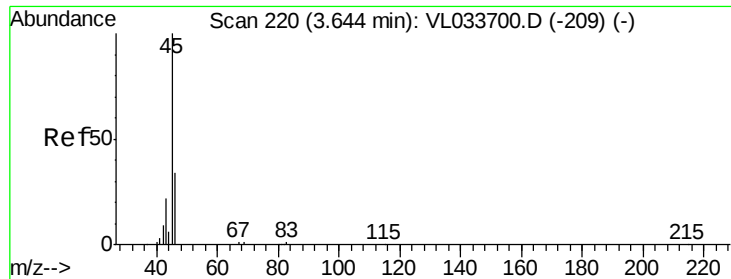
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.178 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033749.D
 Acq: 22 May 2019 18:11

Tgt Ion	Ratio	Lower	Upper
101	100		
151	68.1	58.2	87.4





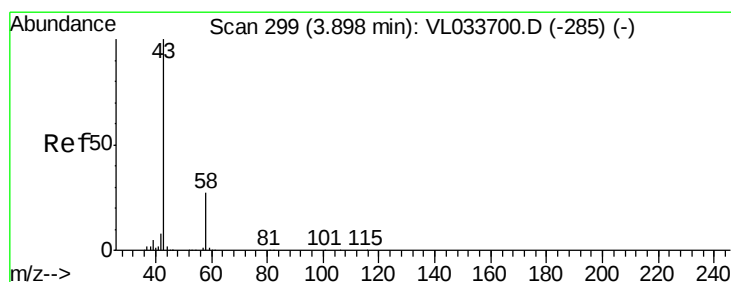
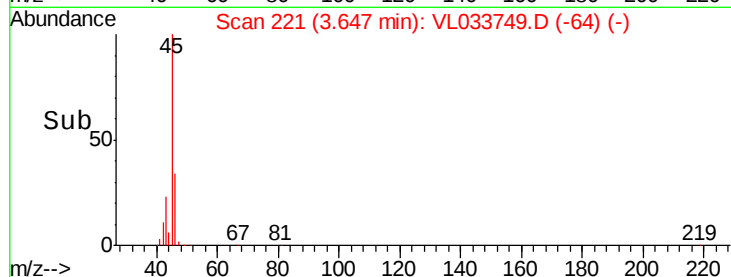
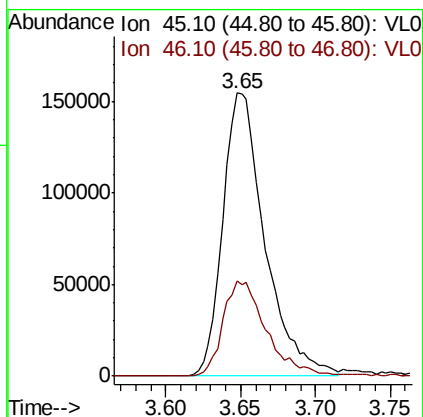
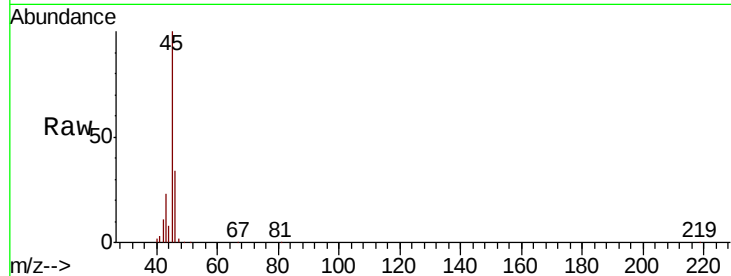
#13
Ethanol
Concen: 22.244 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.0	14.8	59.0

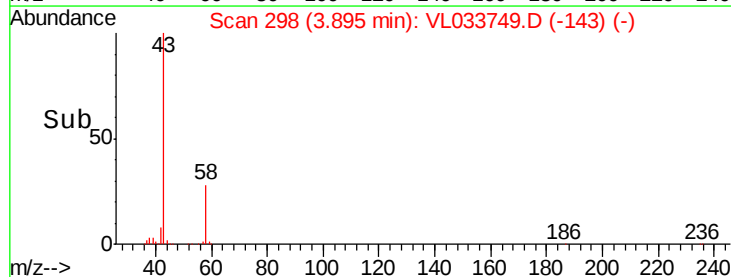
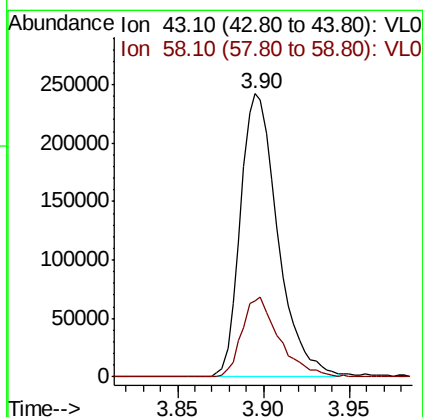
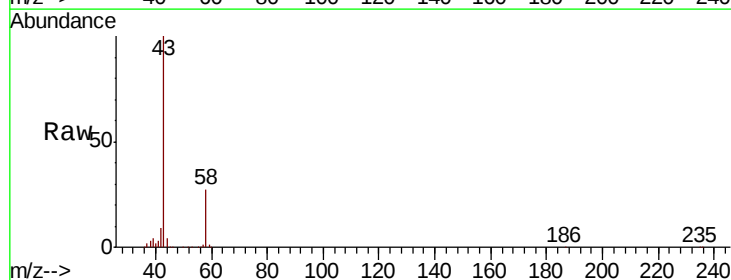
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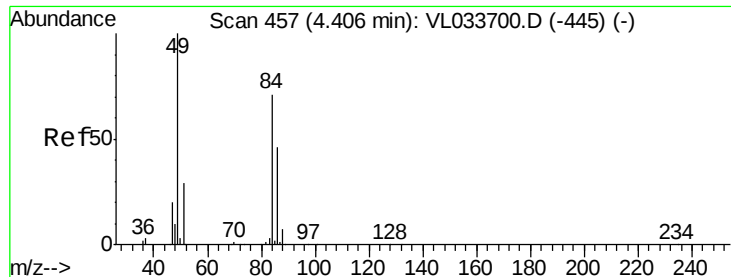
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#15
Acetone
Concen: 3.052 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.3	31.9





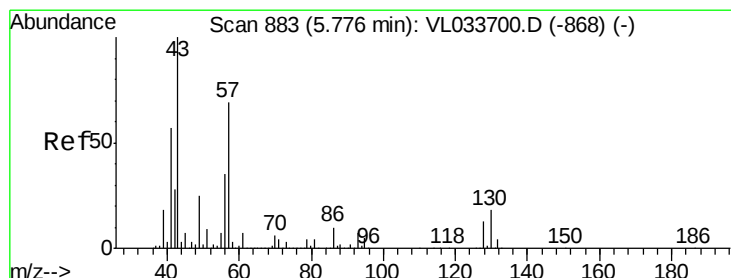
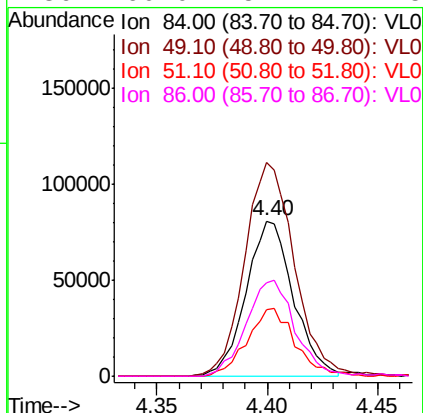
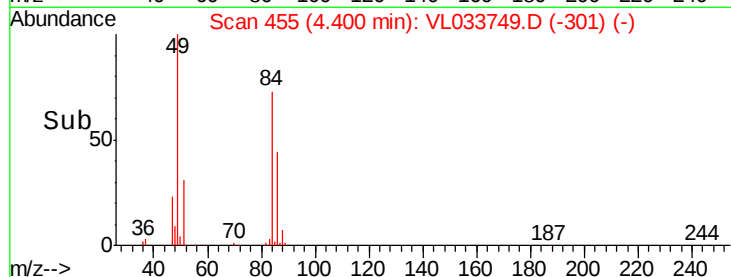
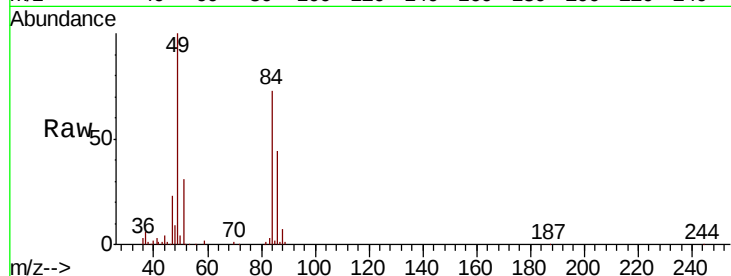
#20
Methvlene Chloride
Concen: 2.614 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Tot Ion	Ratio	Lower	Upper
84	100		
49	137.9	112.8	169.2
51	43.3	33.4	50.0
86	60.0	51.7	77.5

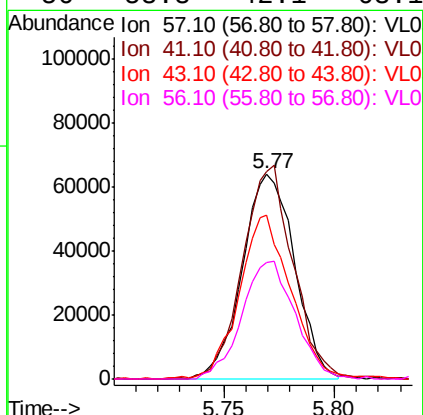
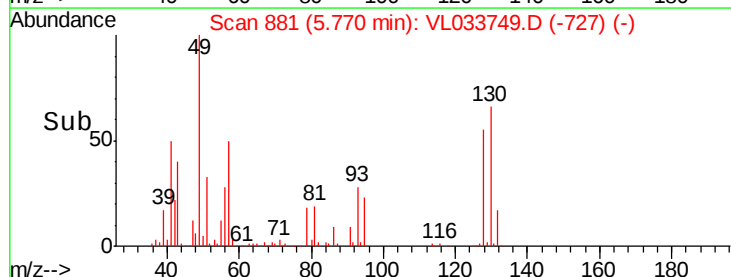
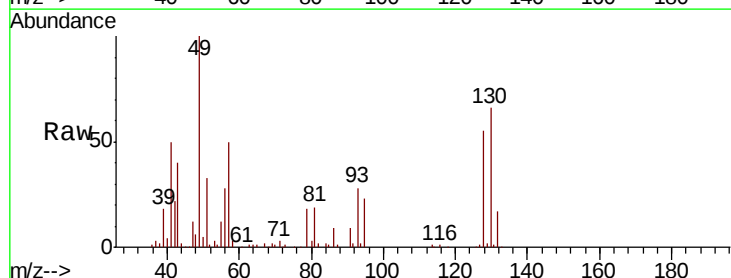
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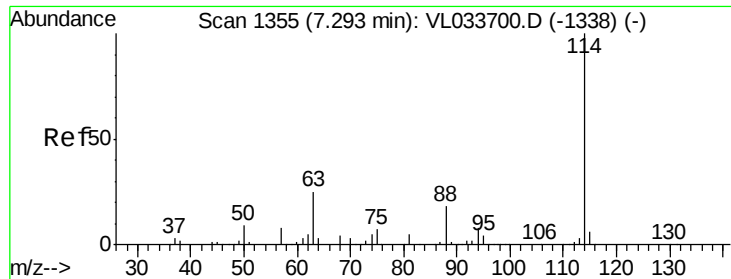
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#26
Hexane
Concen: 1.160 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.4	69.8	104.6
43	79.6	181.8	272.6
56	58.8	42.1	63.1





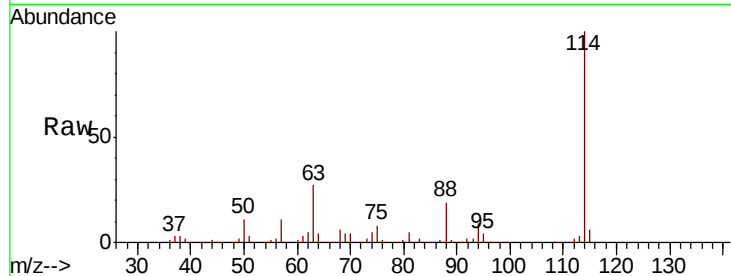
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VL033749.D
 Acq: 22 May 2019 18:11

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3003-04

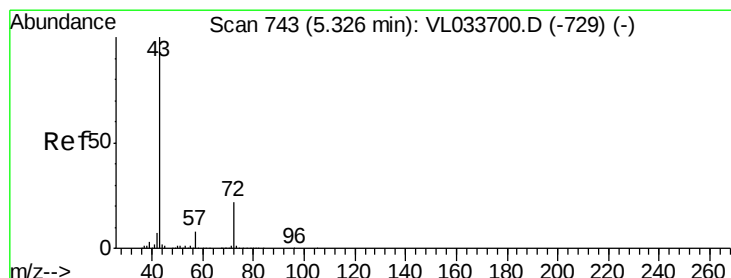
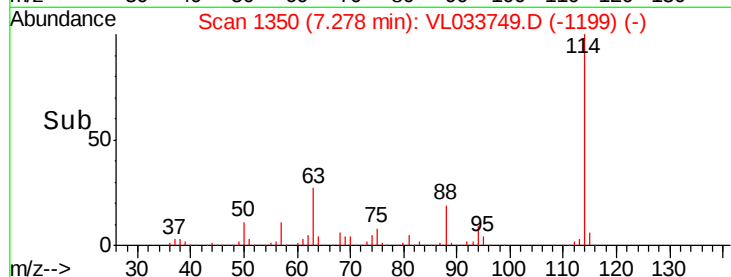
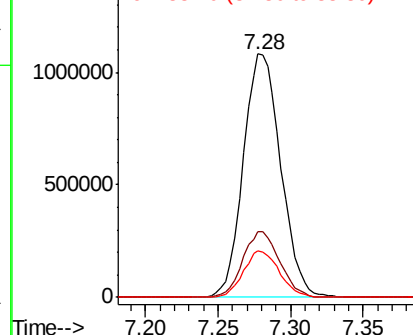
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.9	31.3
88	18.4	14.3	21.5

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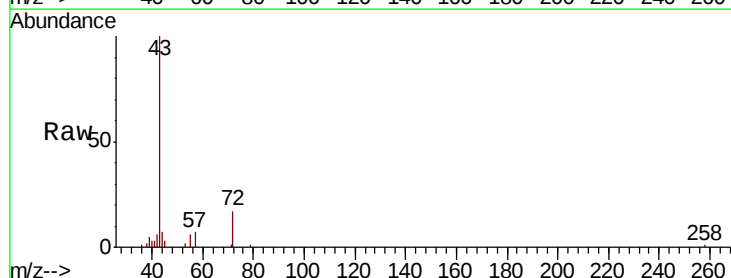


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

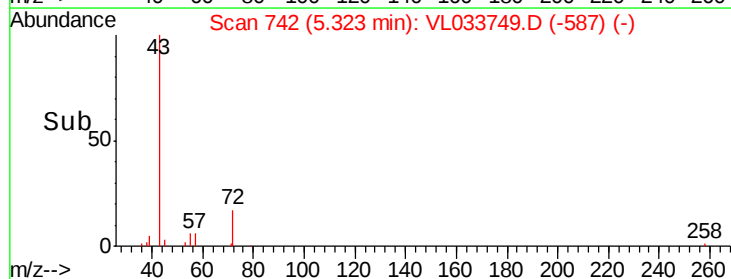
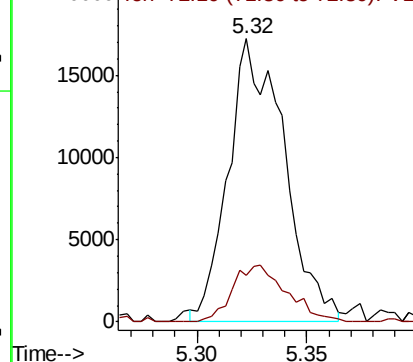


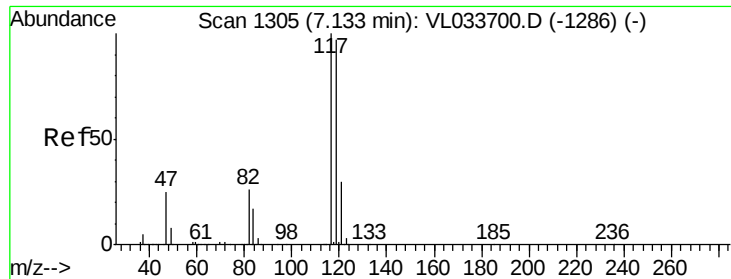
#34
 2-Butanone
 Concen: 0.251 ppbv m
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033749.D
 Acq: 22 May 2019 18:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





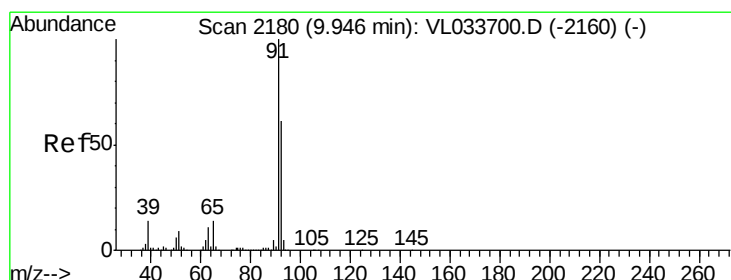
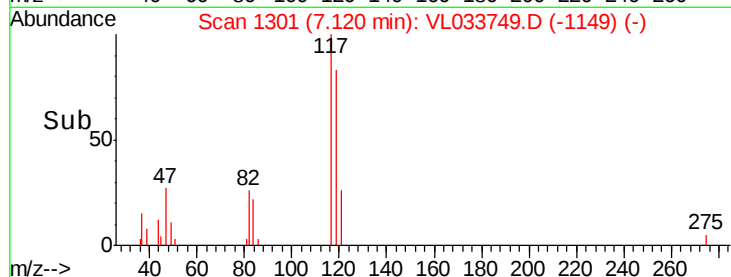
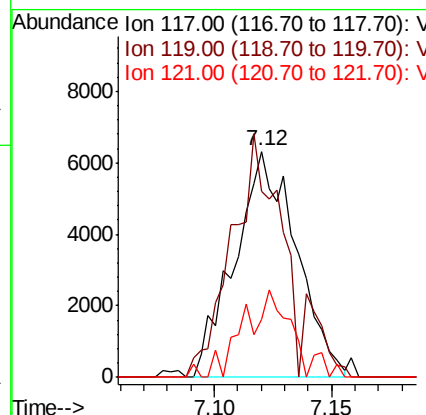
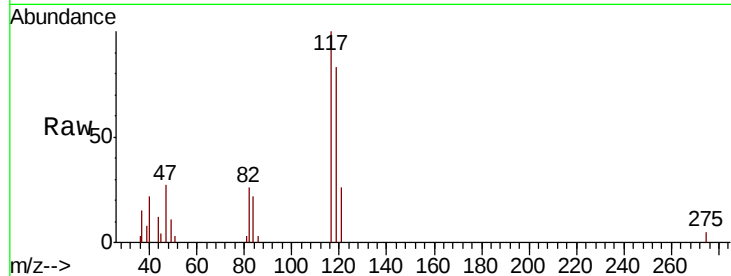
#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 7.12 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Tot Ion	Ratio	Lower	Upper
117	100		
119	82.6	77.2	115.8
121	25.9	24.1	36.1

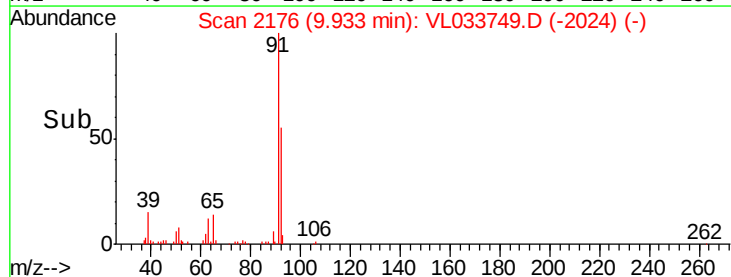
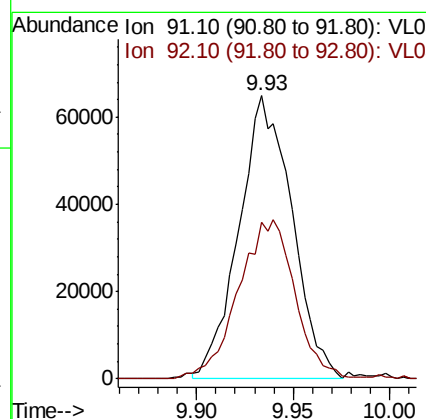
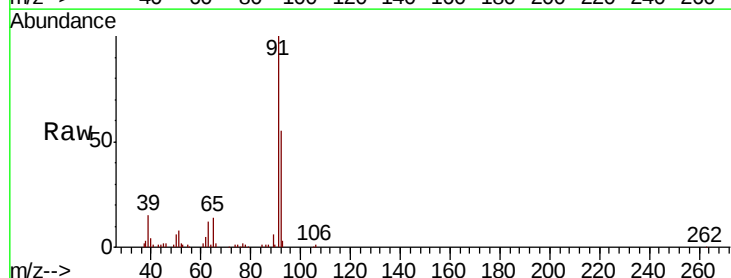
Manual Integrations
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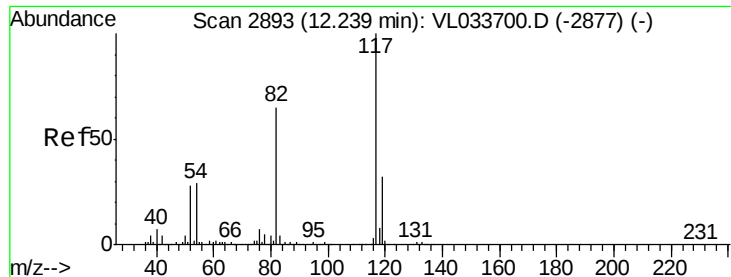
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#53
Toluene
Concen: 0.649 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.6	71.4





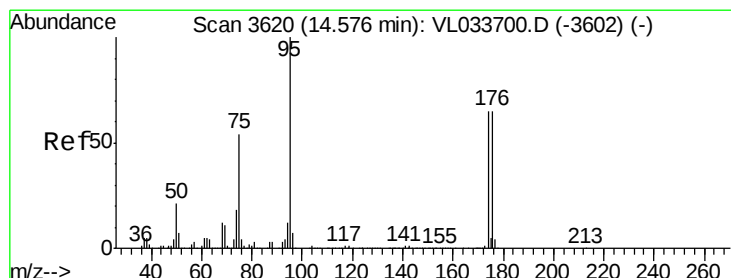
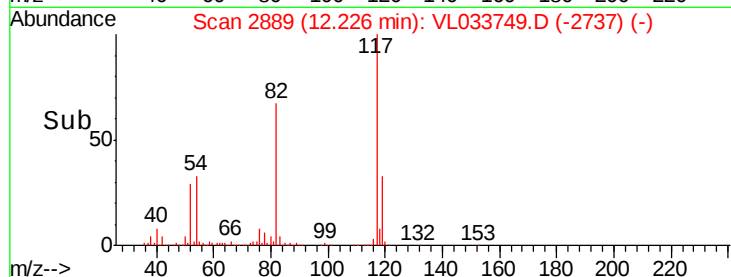
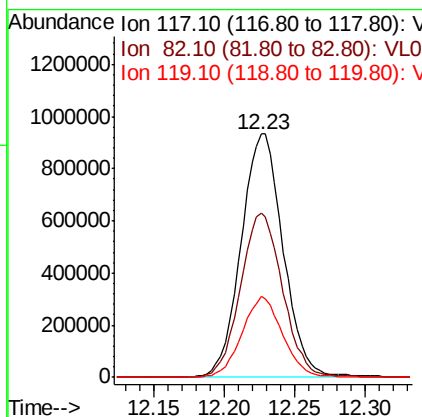
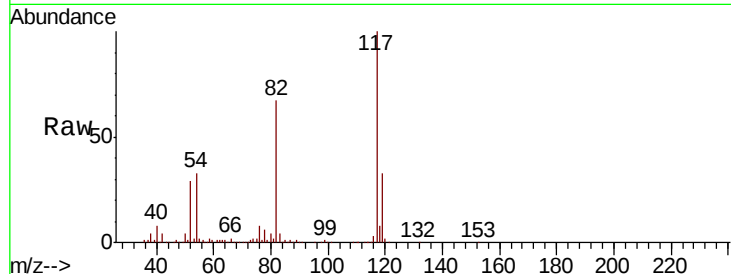
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3003-04

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.5	49.4	74.0
119	32.5	24.9	37.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:52:26 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.234 ppbv
RT: 14.56 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL033749.D
Acq: 22 May 2019 18:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.5	53.9	80.9
175	4.7	3.8	5.8

