

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034625.D
 Acq On : 18 Feb 2020 15:42
 Operator : SY/AP
 Sample : L1532-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-BR-IA

Manual Integrations
 APPROVED

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 2/21/2020 3:25:42 PM

Quant Time: Feb 20 16:46:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	938769	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1918837	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1899620	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1639709	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	47319	0.229	ppbv #	86
3) Chlorodifluoromethane	2.95	51	36349m	0.320	ppbv	
4) Chloromethane	3.10	50	31200	0.450	ppbv #	80
9) Propene	2.99	41	67142	1.520	ppbv #	62
11) Trichlorofluoromethane	3.92	101	52884	0.282	ppbv	86
13) Ethanol	3.58	45	3739590	316.104	ppbv	98
15) Acetone	3.82	43	867473	6.287	ppbv	97
19) Isopropyl Alcohol	3.96	45	178996	2.223	ppbv #	91
20) Methylene Chloride	4.32	84	98321	1.872	ppbv	94
26) Hexane	5.67	57	43580	0.466	ppbv #	63
29) Chloroform	5.74	83	65410	0.395	ppbv #	80
31) cis-1,2-Dichloroethene	5.54	61	9645m	0.099	ppbv	
34) 2-Butanone	5.23	43	27366m	0.196	ppbv	
35) Carbon Tetrachloride	7.01	117	12325m	0.067	ppbv	
36) Benzene	6.89	78	19117	0.112	ppbv #	88
52) Tetrachloroethene	11.25	164	32856m	0.479	ppbv	
53) Toluene	9.82	91	51920m	0.277	ppbv	

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

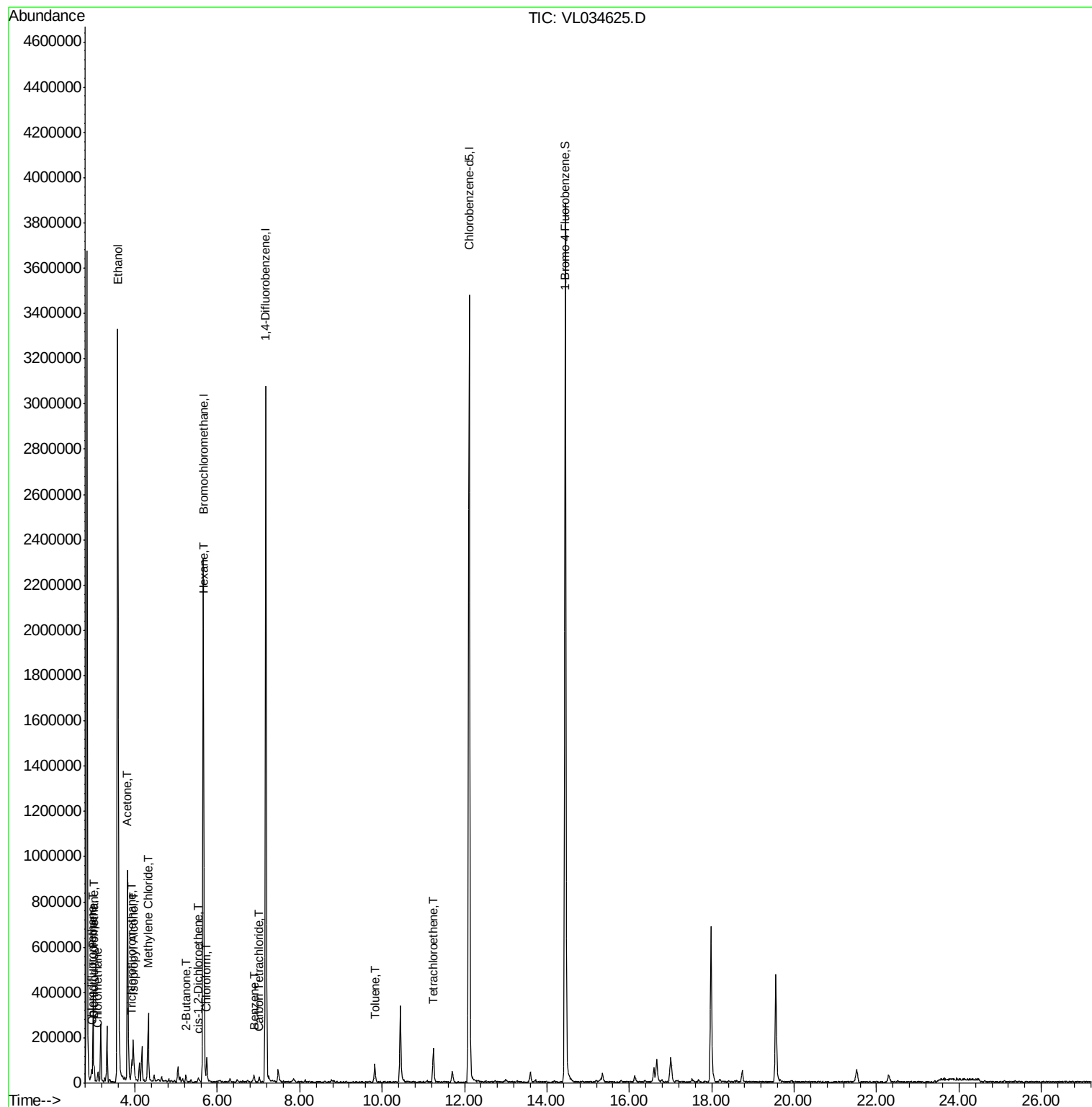
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021820\
Data File : VL034625.D
Acq On : 18 Feb 2020 15:42
Operator : SY/AP
Sample : L1532-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

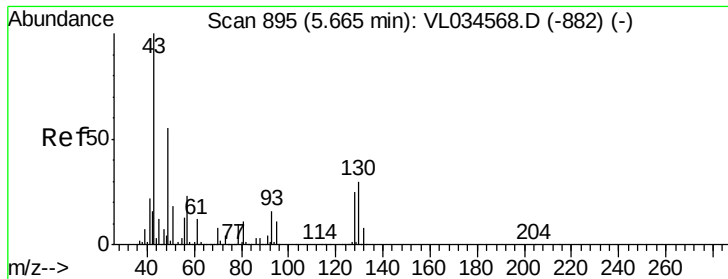
Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IA

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Quant Time: Feb 20 16:46:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL034625.D

Acq: 18 Feb 2020 15:42

Instrument :

MSVOA_L

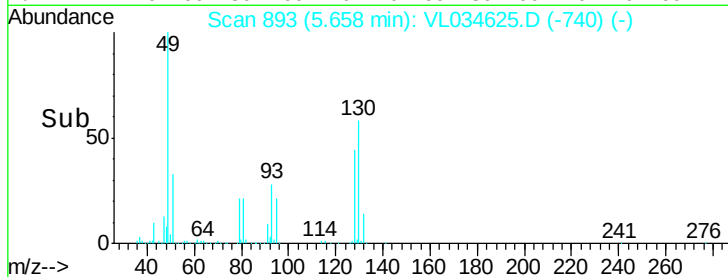
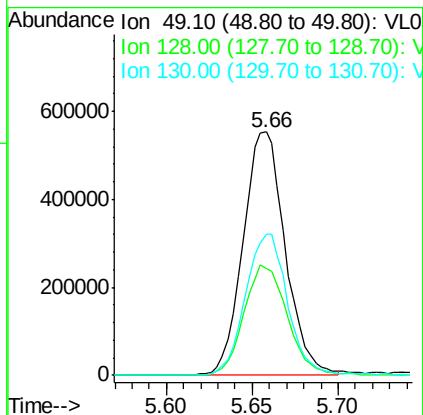
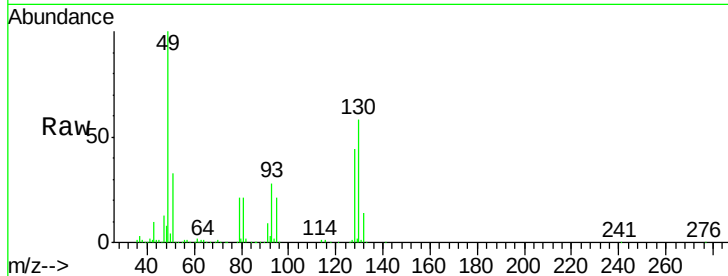
ClientSampled :

IR-BR-IA

Tot Ion:	49	Resp:	938769
Ion	Ratio	Lower	Upper
49	100		
128	47.1	22.7	68.1
130	58.8	28.6	85.8

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#2

Dichlorodifluoromethane

Concen: 0.229 ppbv

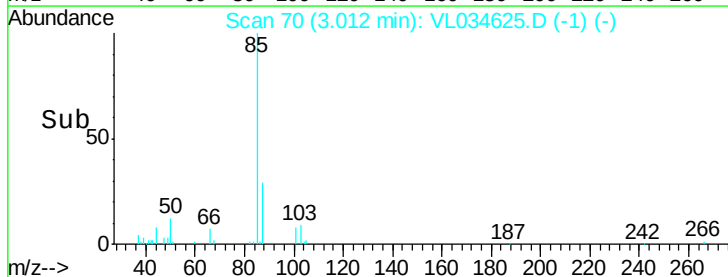
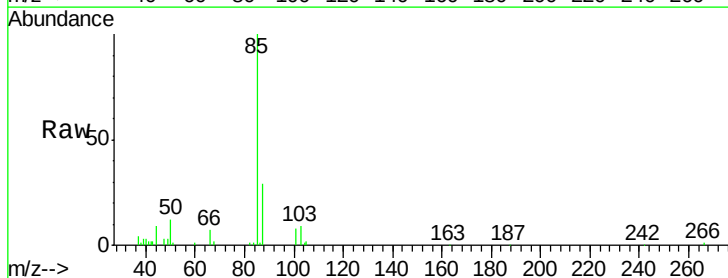
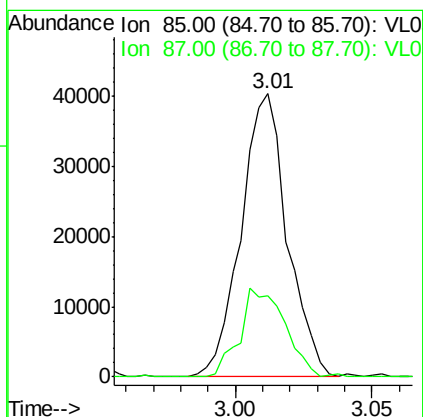
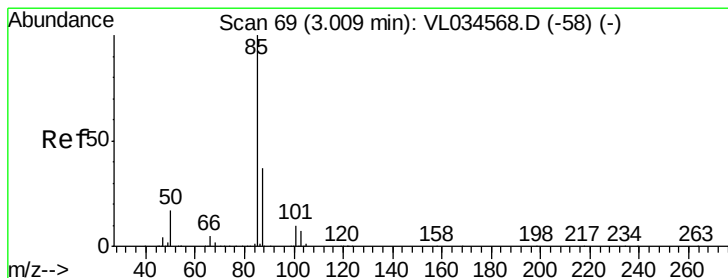
RT: 3.01 min Scan# 70

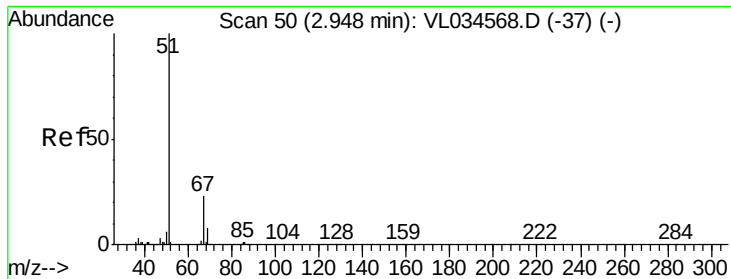
Delta R.T. 0.00 min

Lab File: VL034625.D

Acq: 18 Feb 2020 15:42

Tgt Ion:	85	Resp:	47319
Ion	Ratio	Lower	Upper
85	100		
87	28.8	29.5	44.3#





#3

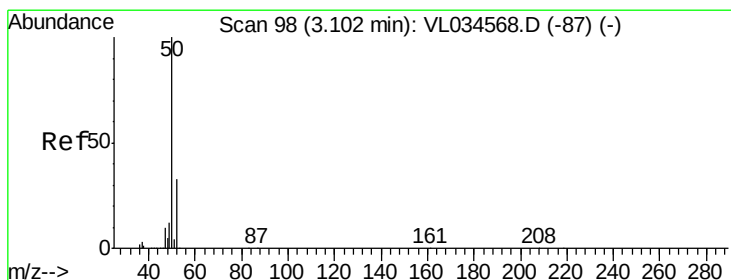
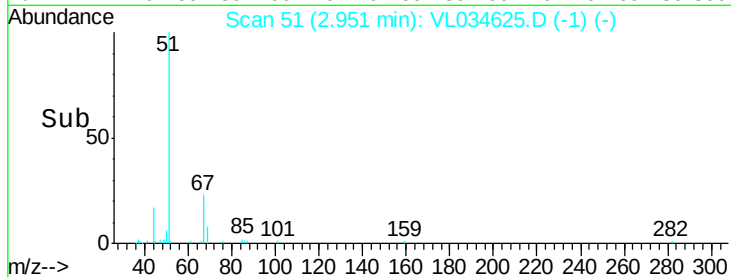
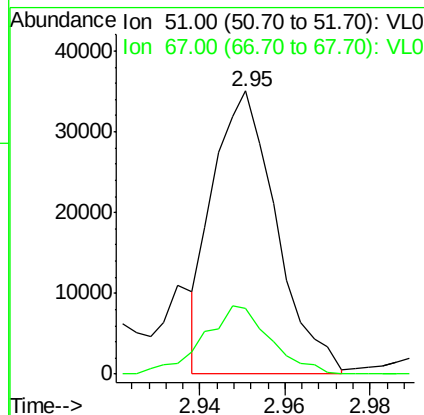
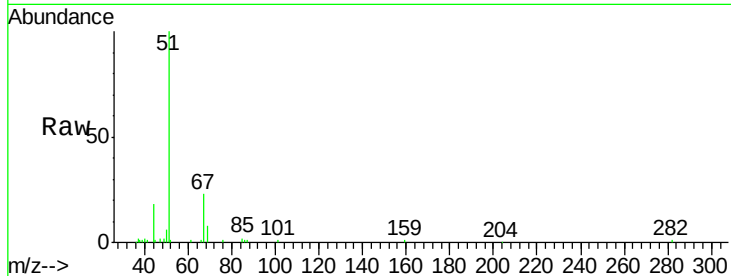
Chlorodifluoromethane
Concen: 0.320 ppbv
RT: 2.95 min Scan# 51
Delta R.T. 0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
51	100		
67	25.7	17.8	26.8

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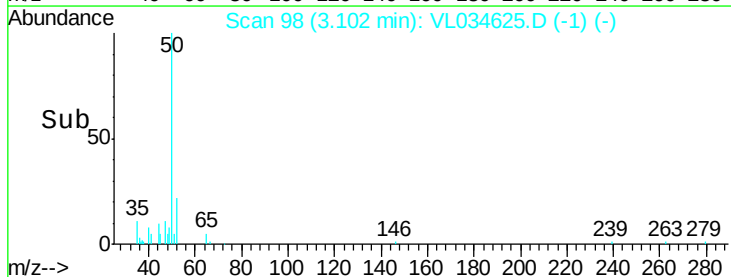
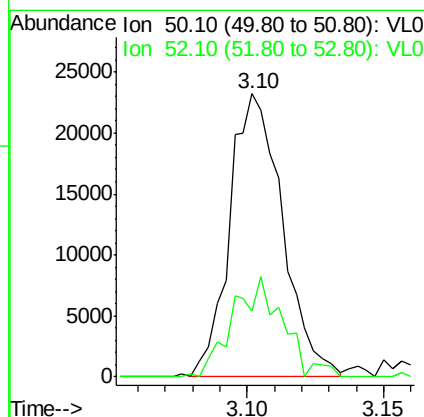
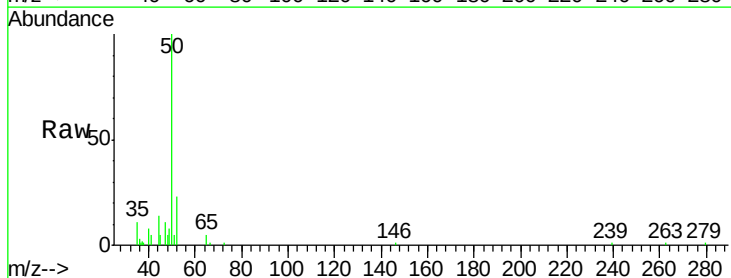
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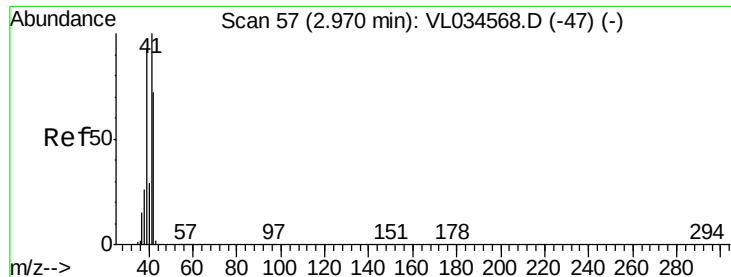


#4

Chloromethane
Concen: 0.450 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
50	100		
52	22.0	26.6	39.8#





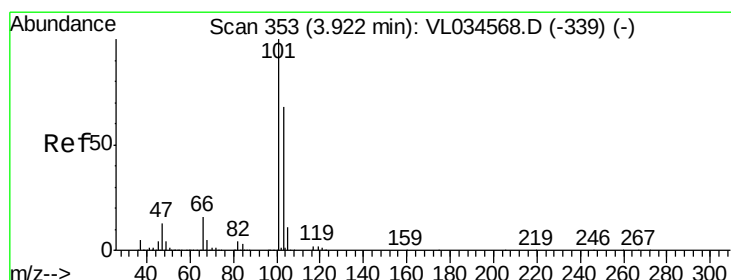
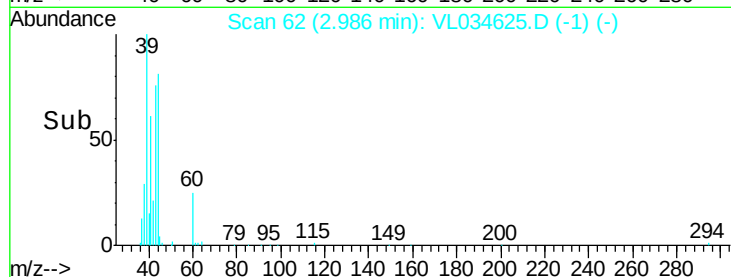
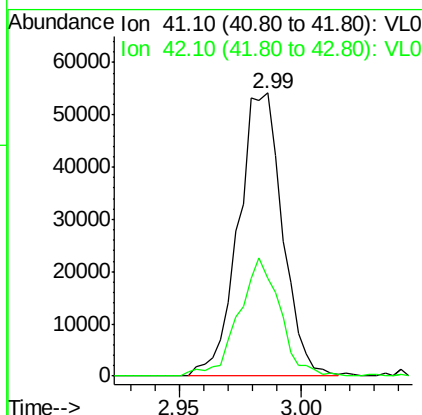
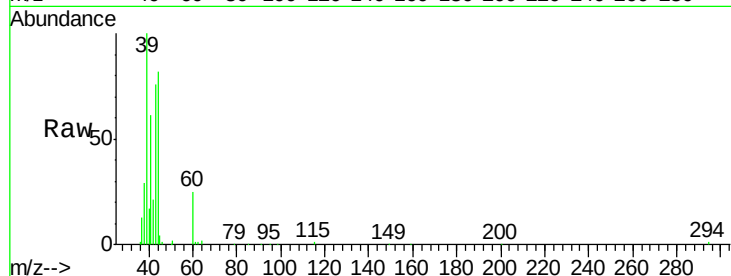
#9
 Propene
 Concen: 1.520 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.02 min
 Lab File: VL034625.D
 Acq: 18 Feb 2020 15:42

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-BR-IA

Tot Ion: 41 Resp: 67142
 Ion Ratio Lower Upper
 41 100
 42 39.8 57.0 85.4#

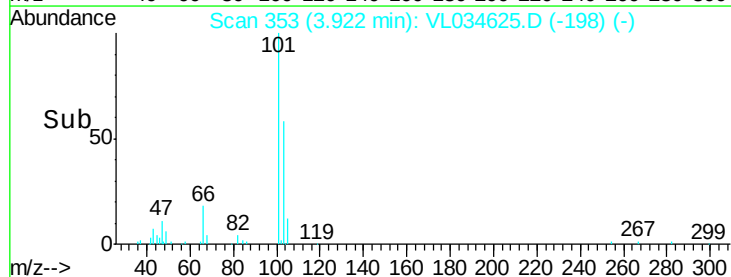
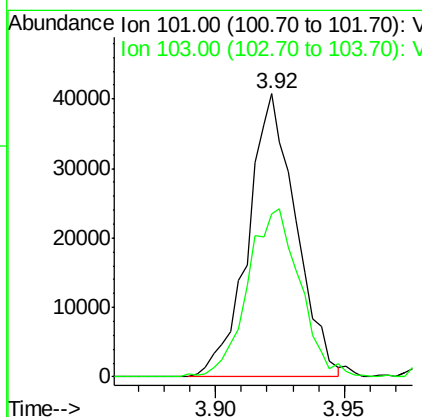
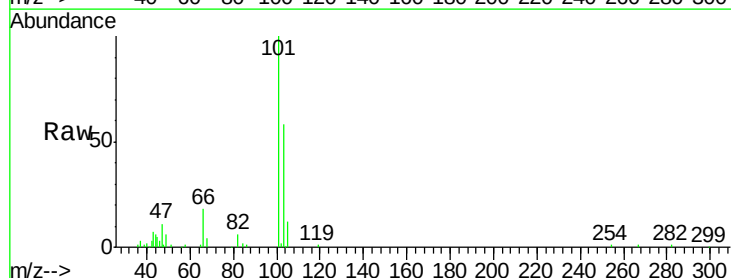
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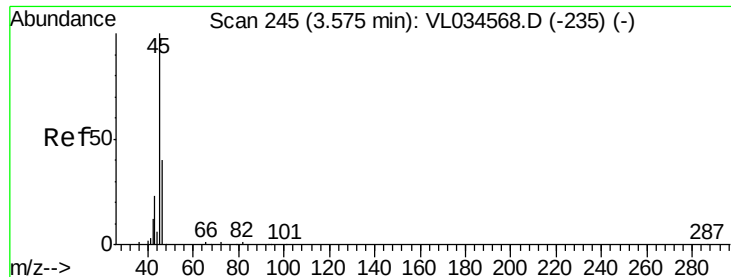
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#11
 Trichlorofluoromethane
 Concen: 0.282 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VL034625.D
 Acq: 18 Feb 2020 15:42

Tgt Ion:101 Resp: 52884
 Ion Ratio Lower Upper
 101 100
 103 56.8 54.4 81.6





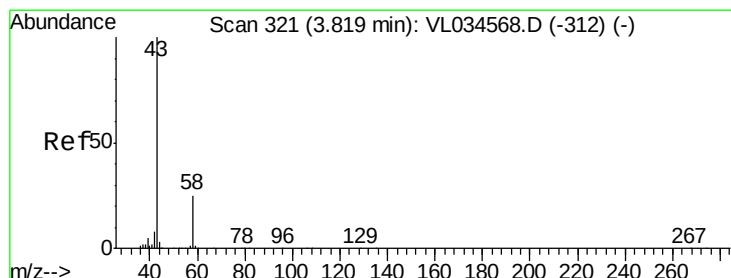
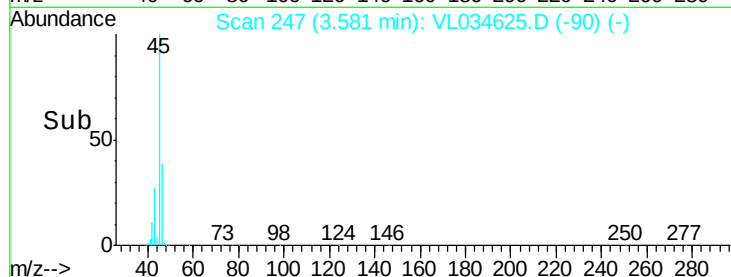
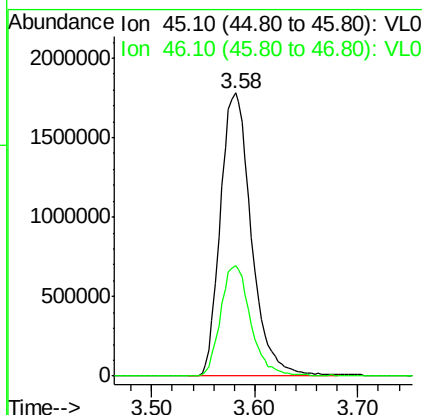
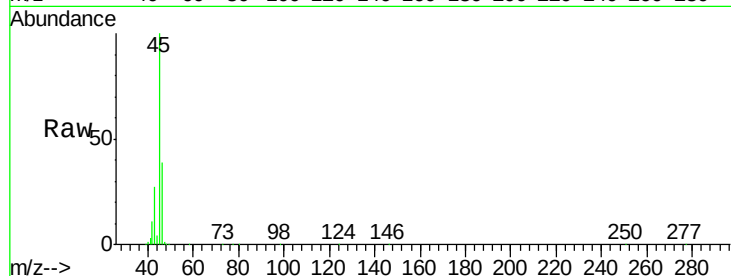
#13
Ethanol
Concen: 316.104 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IA

Tot Ion: 45 Resp: 3739590
Ion Ratio Lower Upper
45 100
46 38.4 14.8 59.2

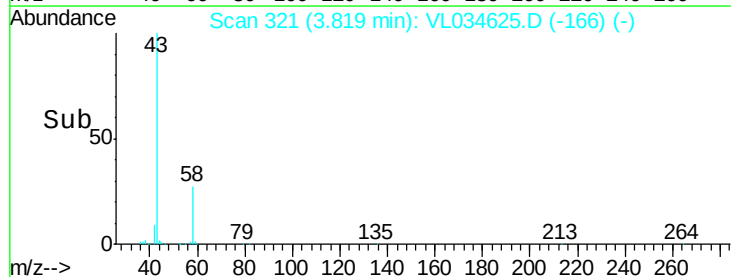
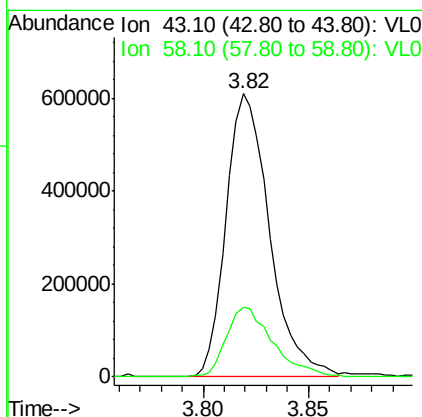
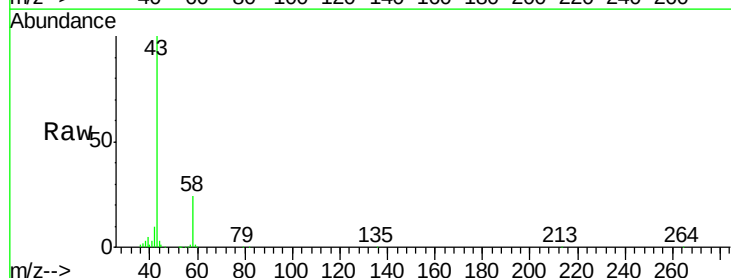
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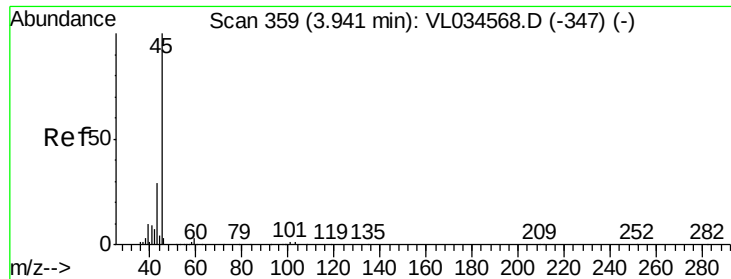
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#15
Acetone
Concen: 6.287 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion: 43 Resp: 867473
Ion Ratio Lower Upper
43 100
58 26.9 20.3 30.5





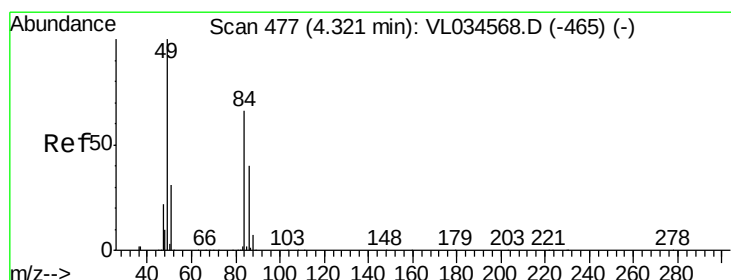
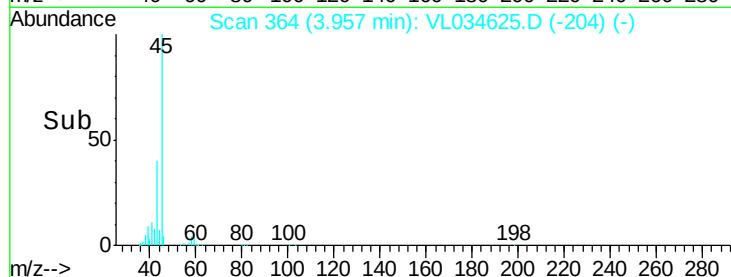
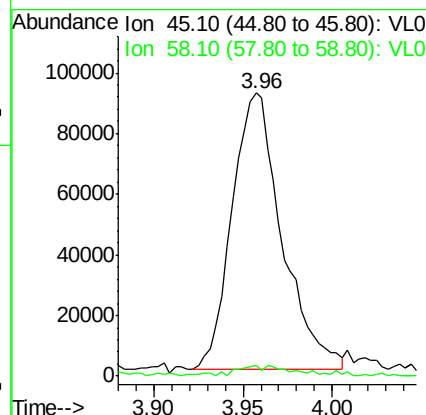
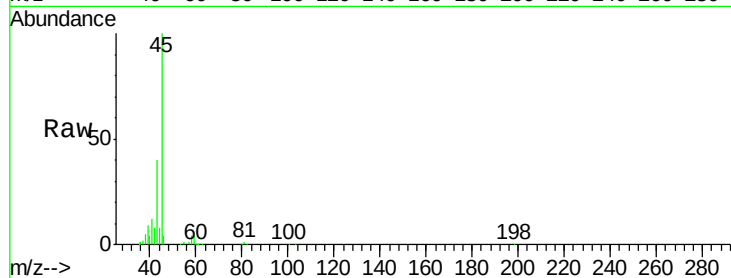
#19
Isopropyl Alcohol
Concen: 2.223 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IA

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.3	1.7	2.5#

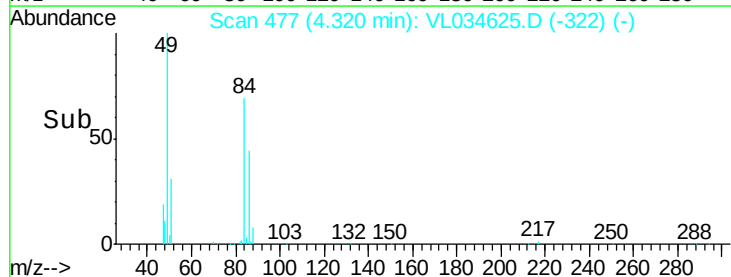
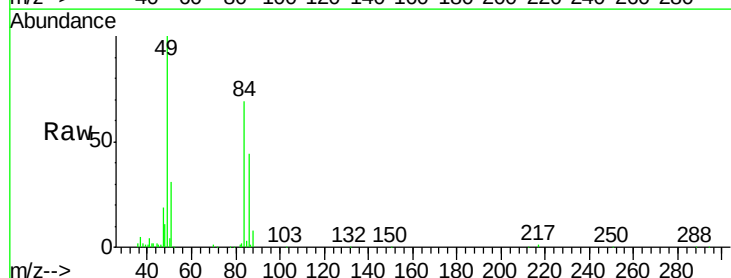
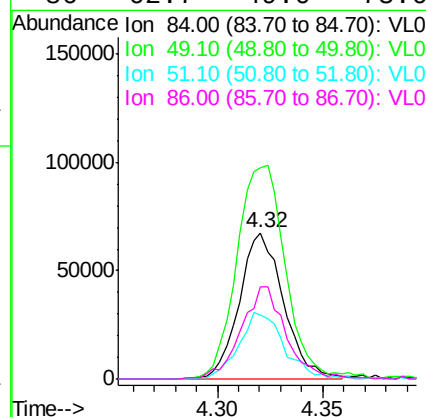
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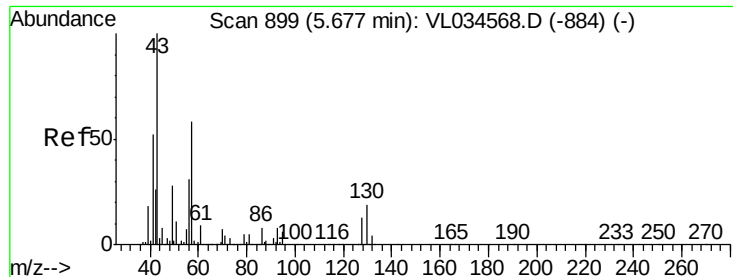
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#20
Methylene Chloride
Concen: 1.872 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.6	122.4	183.6
51	43.6	38.6	57.8
86	62.7	49.0	73.6





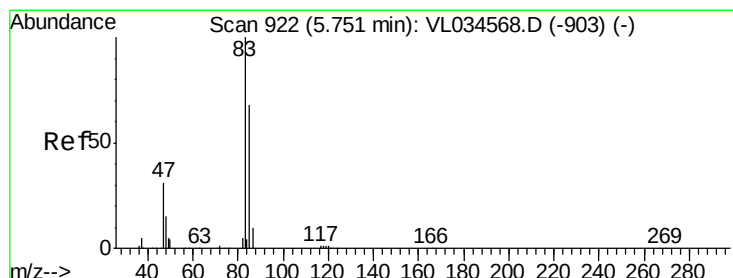
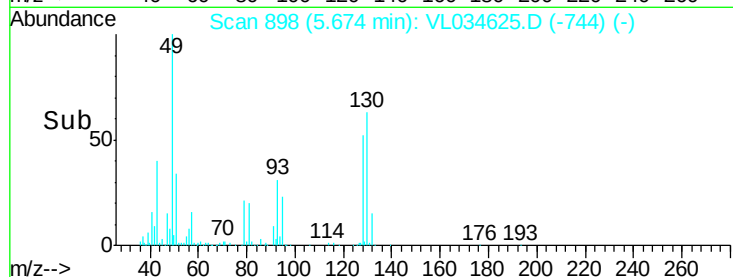
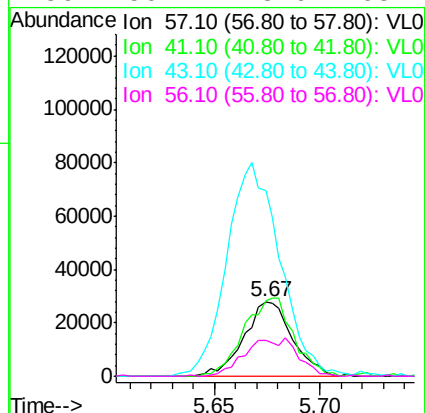
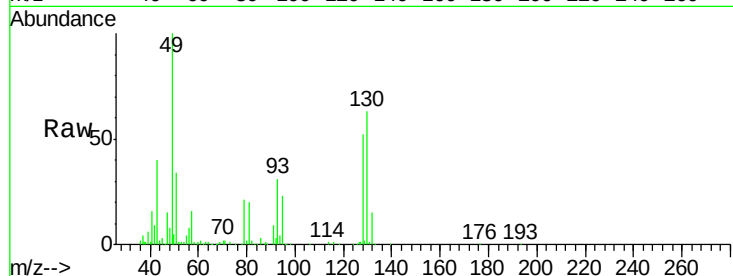
#26
Hexane
Concen: 0.466 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IA

Tot Ion	57	Resp	43580
Ion	Ratio	Lower	Upper
57	100		
41	112.3	76.2	114.2
43	324.8	189.9	284.9#
56	56.7	43.6	65.4

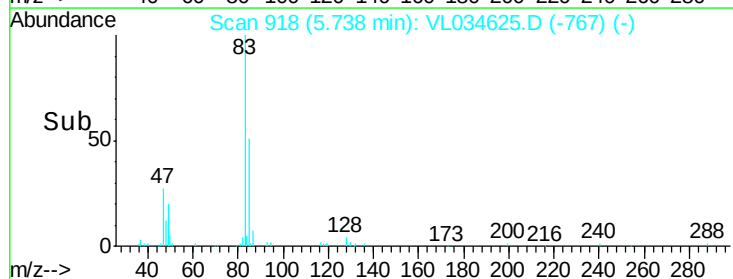
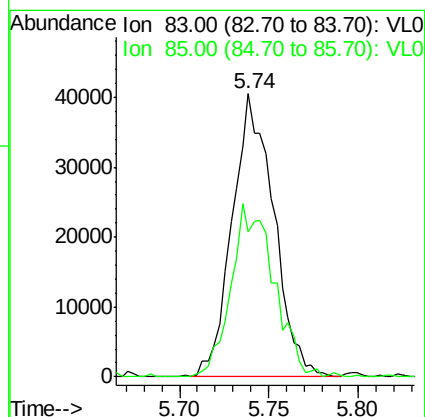
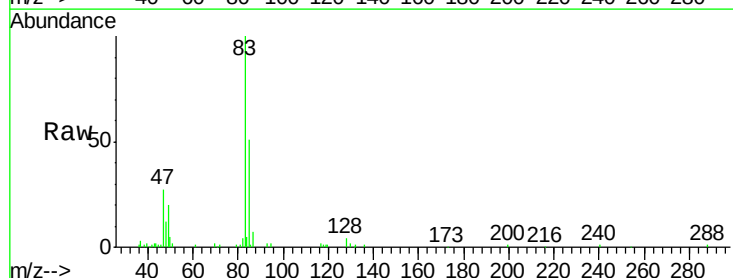
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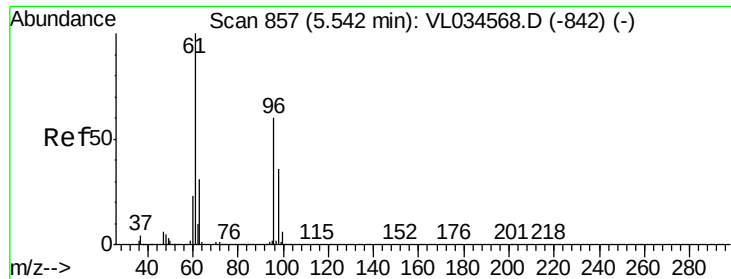
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#29
Chloroform
Concen: 0.395 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion	83	Resp	65410
Ion	Ratio	Lower	Upper
83	100		
85	51.8	54.0	81.0#





#31

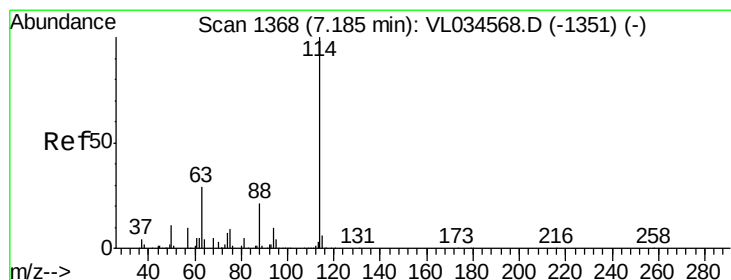
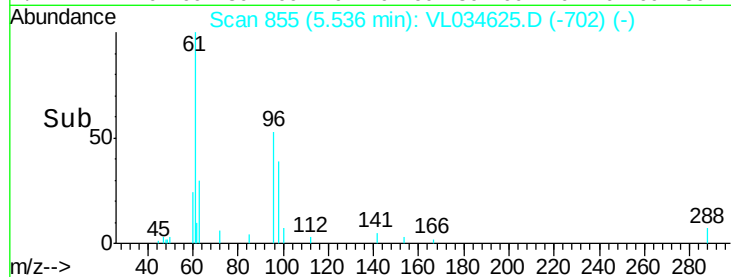
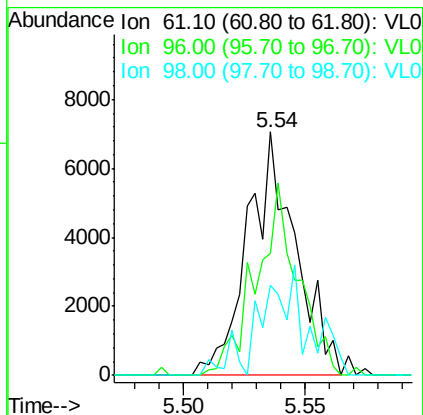
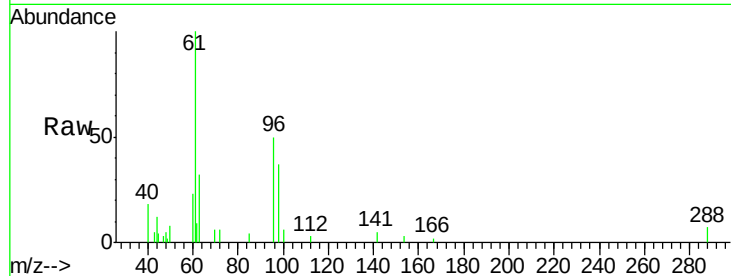
cis-1,2-Dichloroethene
Concen: 0.099 ppbv m
RT: 5.54 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IA

Tot Ion	Ratio	Lower	Upper
61	100		
96	50.0	48.0	72.0
98	37.1	28.6	43.0

Manual Integrations
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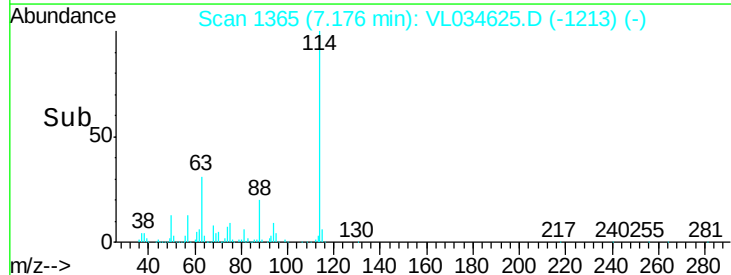
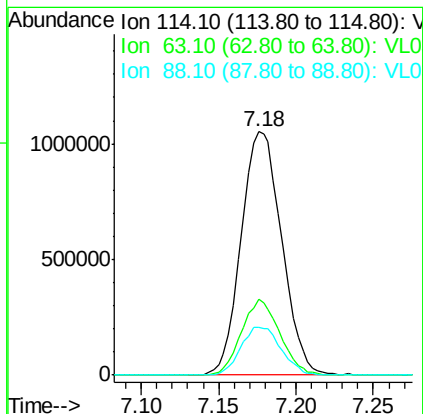
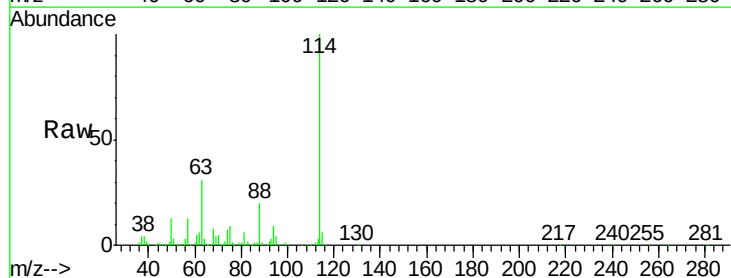
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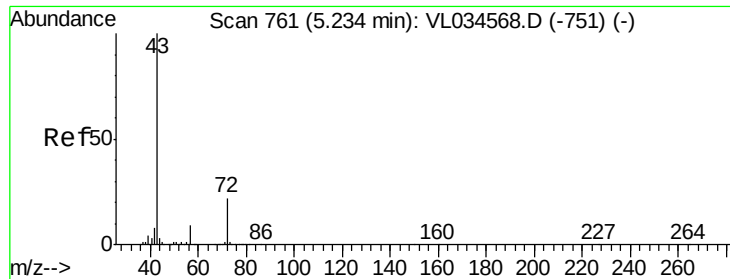


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.7	15.9	23.9





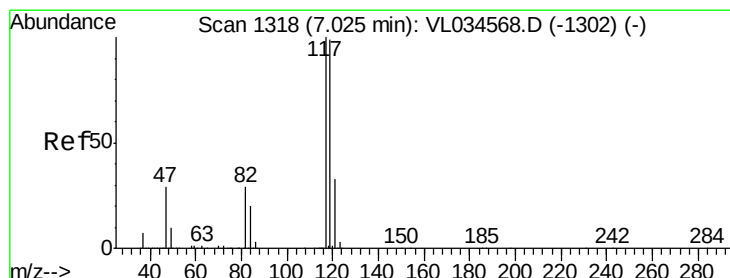
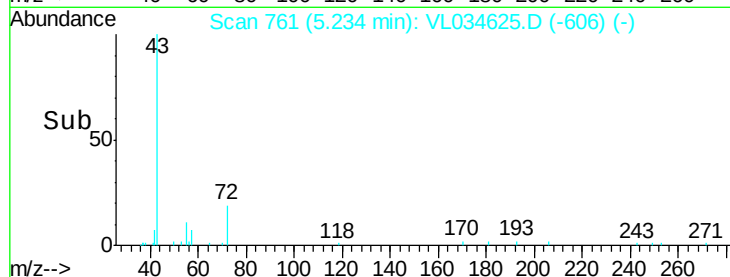
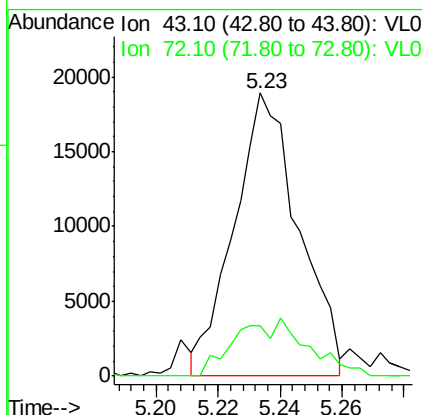
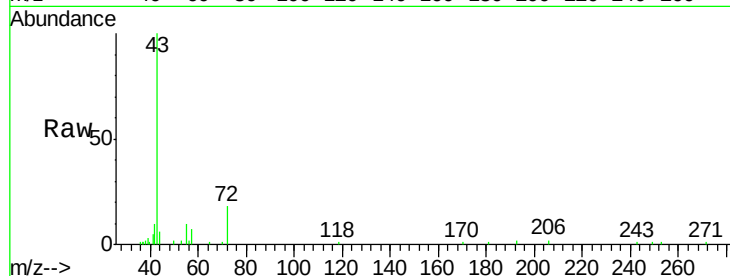
#34
2-Butanone
Concen: 0.196 ppbv m
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampleId :
IR-BR-IA

Tot Ion	43	Resp	27366
Ion Ratio	100	Lower	Upper
72	22.9	17.2	25.8

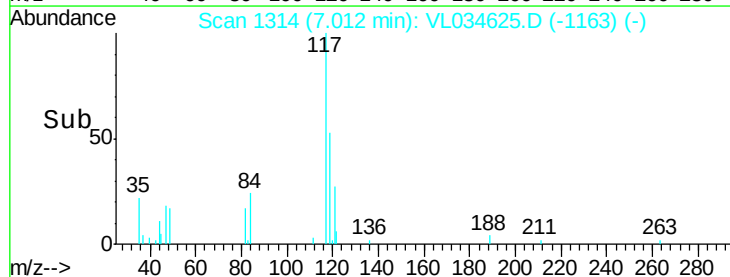
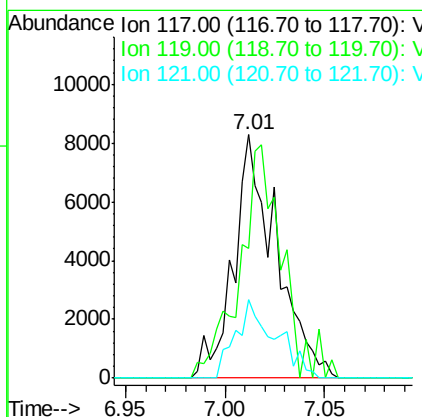
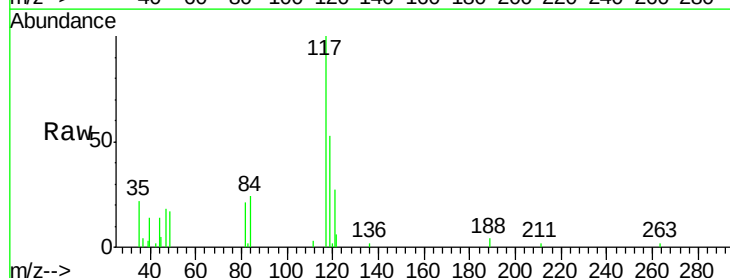
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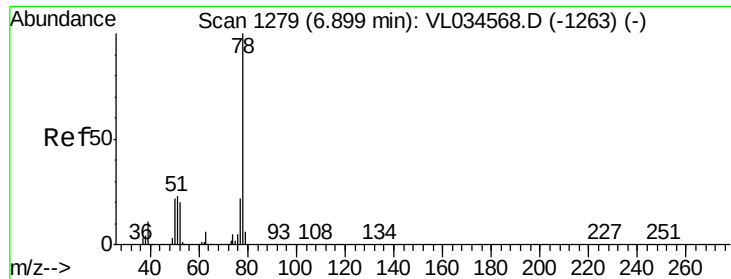
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#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion	117	Resp	12325
Ion Ratio	100	Lower	Upper
119	53.5	79.5	119.3#
121	26.5	26.2	39.2





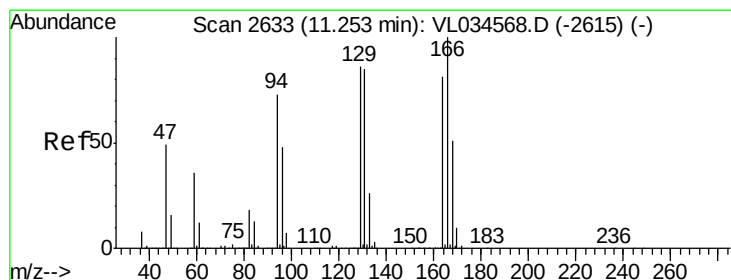
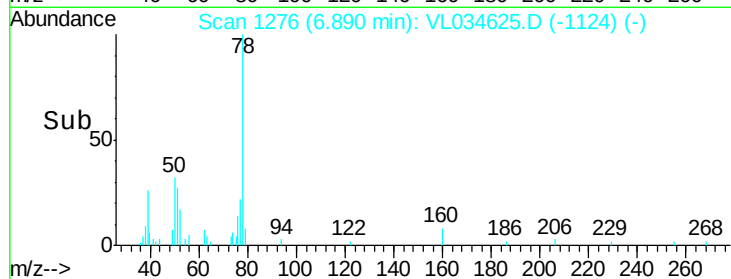
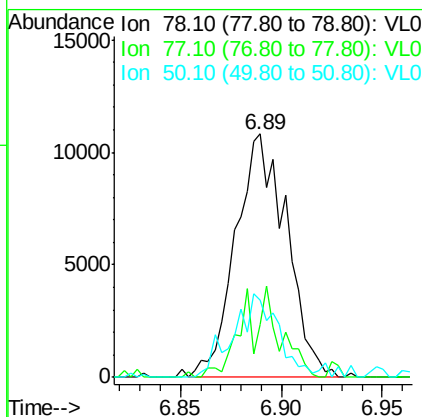
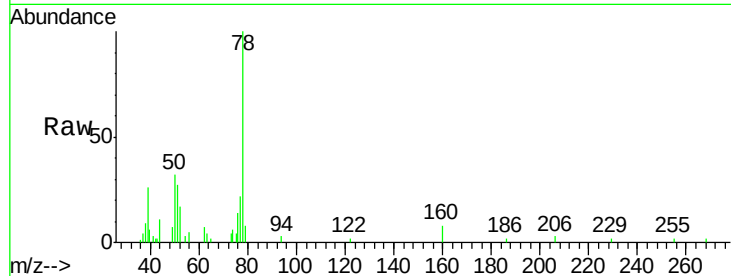
#36
Benzene
Concen: 0.112 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampled :
IR-BR-IA

Tot Ion	Ratio	Lower	Upper
78	100		
77	19.9	17.3	25.9
50	31.8	17.4	26.2#

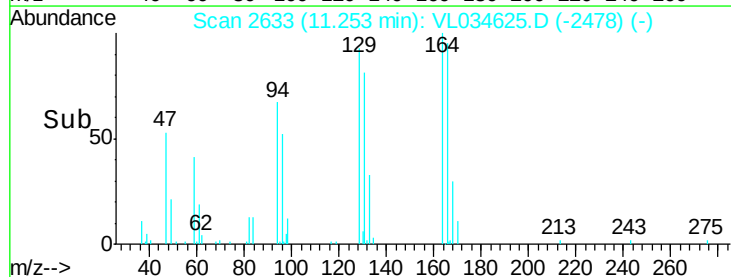
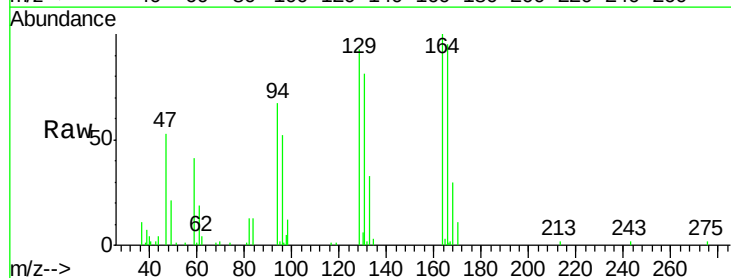
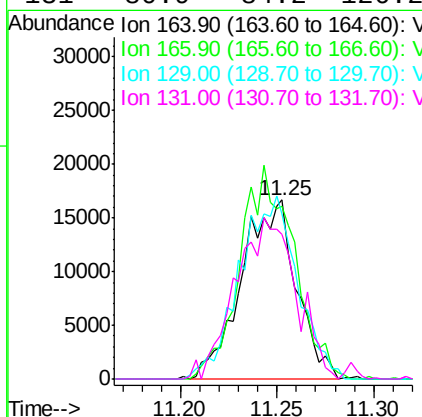
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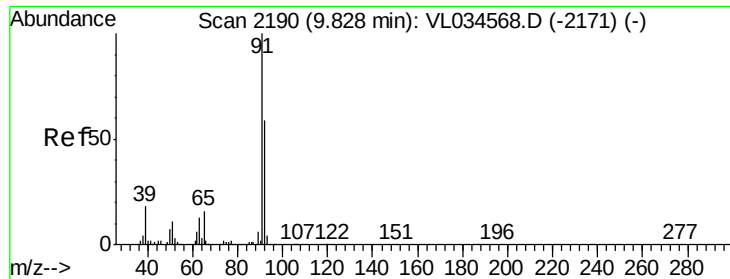
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#52
Tetrachloroethene
Concen: 0.479 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	95.2	99.0	148.4#
129	92.8	85.3	127.9
131	80.9	84.2	126.2#





#53

Toluene

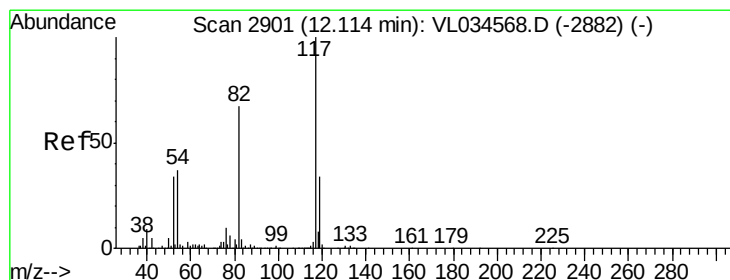
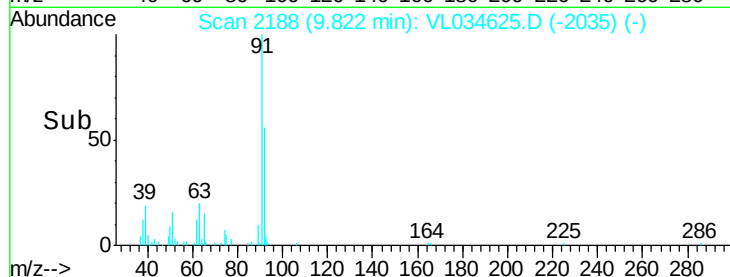
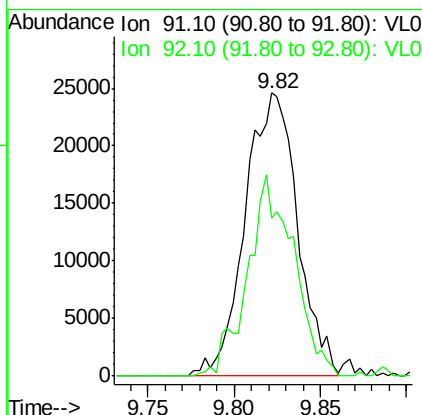
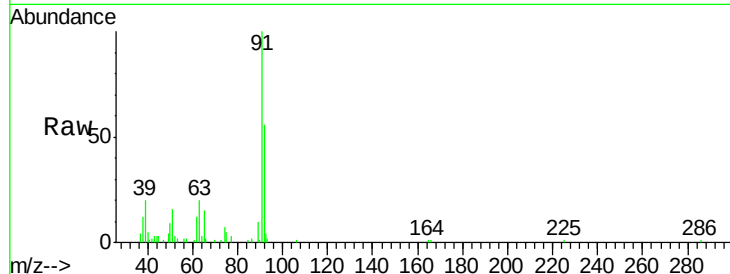
Concen: 0.277 ppbv m
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Instrument :
MSVOA_L
ClientSampled :
IR-BR-IA

Tot Ion: 91 Resp: 51920
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#

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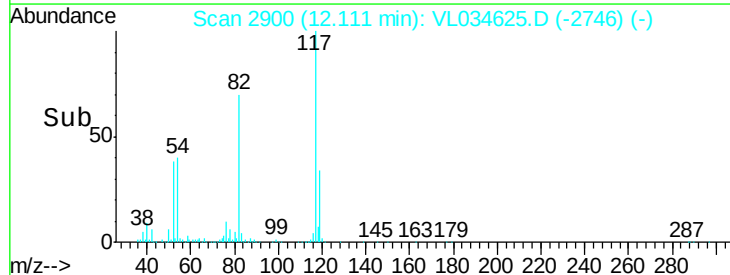
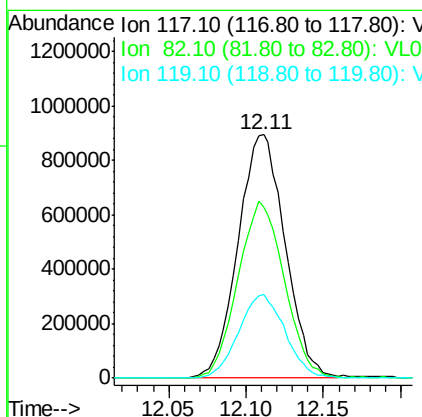
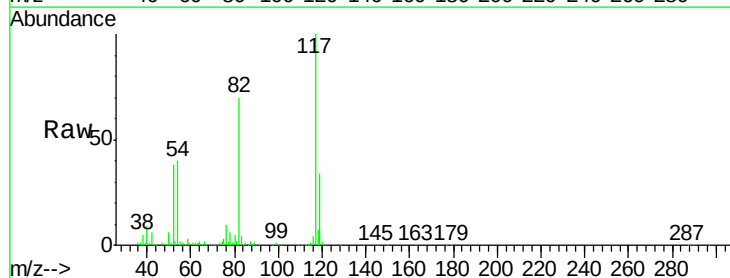


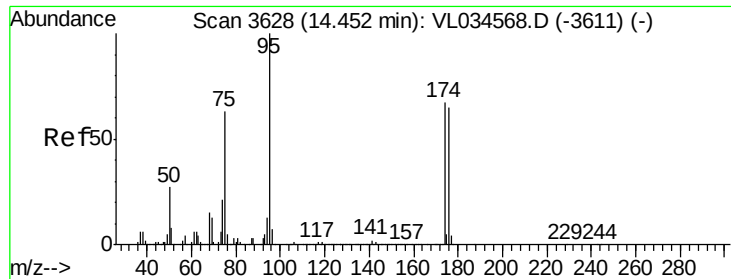
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034625.D
Acq: 18 Feb 2020 15:42

Tgt Ion: 117 Resp: 1899620
Ion Ratio Lower Upper
117 100
82 71.9 54.2 81.4
119 33.9 26.1 39.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.213 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL034625.D
 Acq: 18 Feb 2020 15:42

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-BR-IA

Tot Ion: 95 Resp: 1639709
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.3 78.5
 175 4.4 3.8 5.6

Manual Integrations
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