

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036179.D
 Acq On : 16 Dec 2020 23:09
 Operator : SY/AP
 Sample : L5061-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AS-EFF-201210DL2

Manual Integrations
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 12/17/2020 3:56:41 PM

Quant Time: Dec 17 07:11:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1533804	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2929427	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2647464	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2264719	10.77	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	21347m	0.119	ppbv	
3) Chlorodifluoromethane	2.98	51	36068	0.206	ppbv	100
9) Propene	3.01	41	9778m	0.112	ppbv	
11) Trichlorofluoromethane	3.95	101	106623m	0.507	ppbv	
13) Ethanol	3.64	45	6975m	0.577	ppbv	
15) Acetone	3.87	43	36384m	0.197	ppbv	
20) Methylene Chloride	4.36	84	24220m	0.321	ppbv	
26) Hexane	5.69	57	22997m	0.139	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	68624m	0.455	ppbv	
38) Trichloroethene	7.85	130	313976	3.383	ppbv	87
52) Tetrachloroethene	11.23	164	238769m	2.657	ppbv	

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

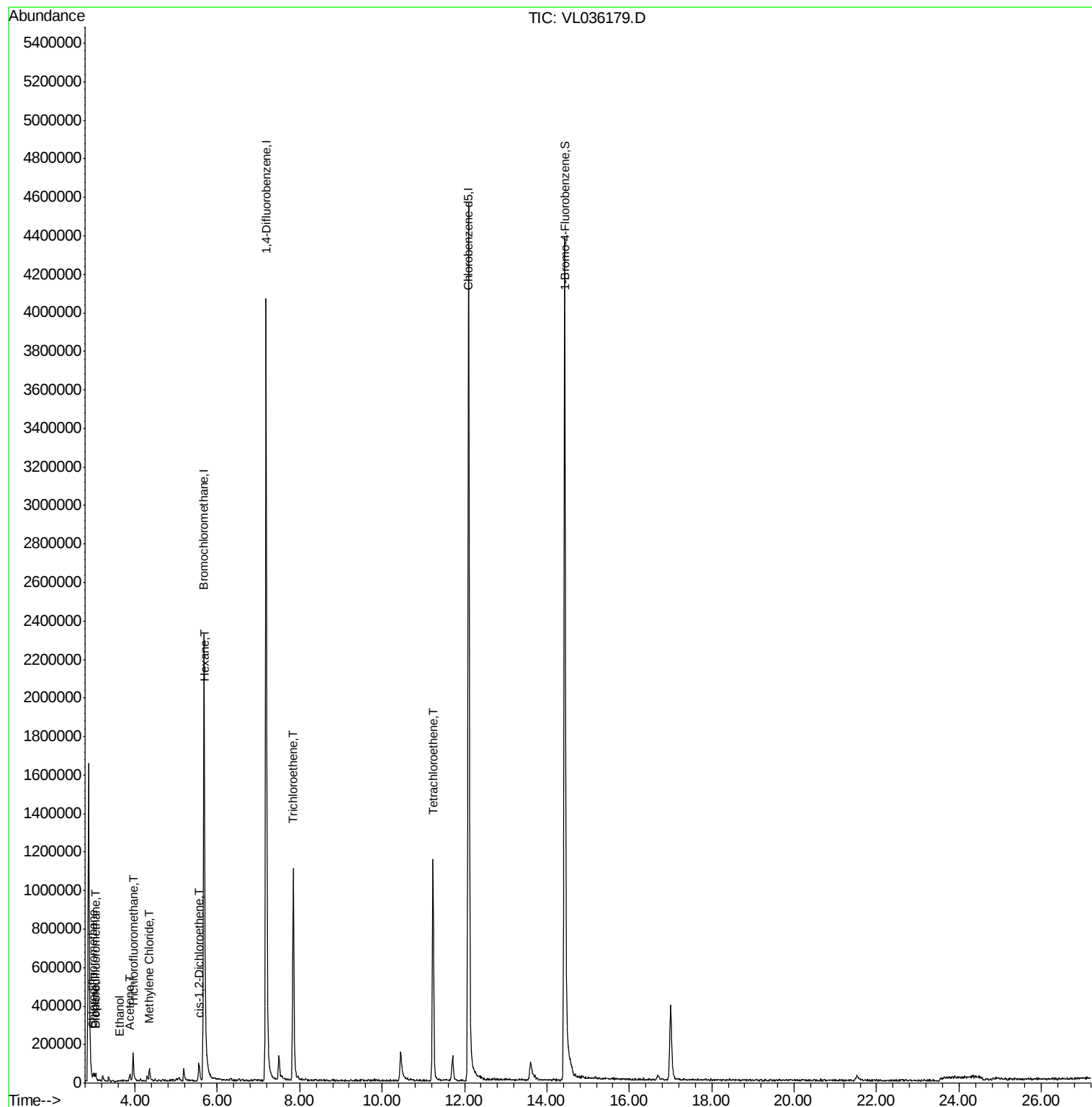
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036179.D
Acq On : 16 Dec 2020 23:09
Operator : SY/AP
Sample : L5061-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

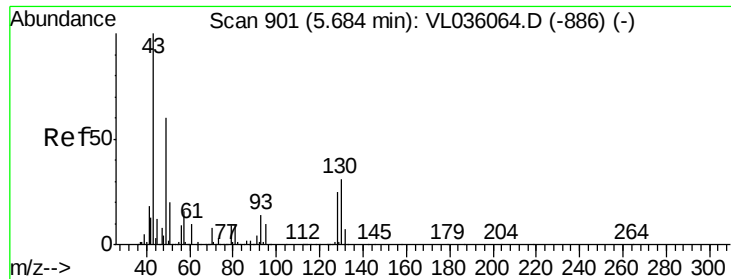
Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201210DL2

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Quant Time: Dec 17 07:11:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036179.D

Acq: 16 Dec 2020 23:09

Instrument :

MSVOA_L

ClientSampleId :

AS-EFF-201210DL2

Tgt Ion: 49 Resp: 1533804

Ion Ratio Lower Upper

49 100

128 35.7 21.1 63.1

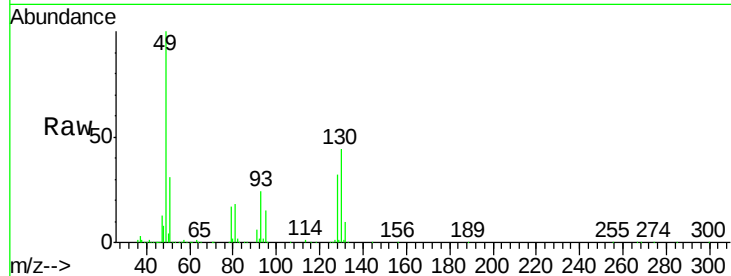
130 45.1 27.1 81.3

Manual Integrations

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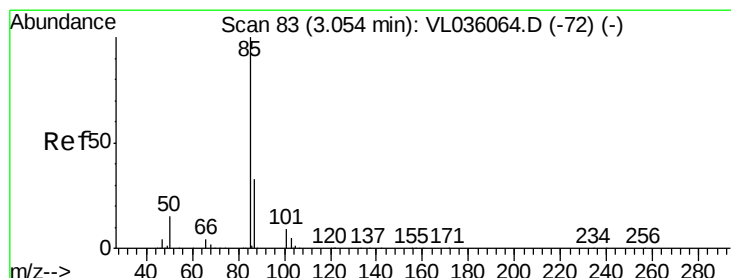
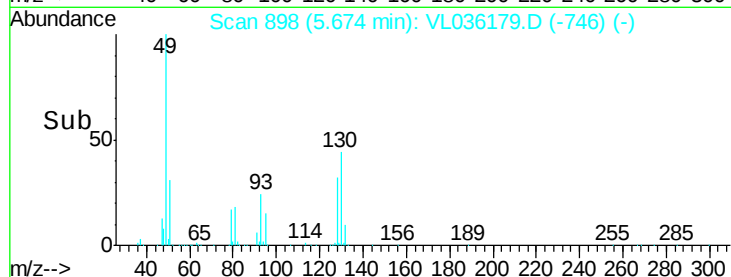
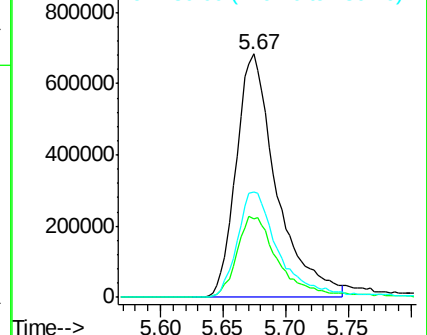
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.119 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036179.D

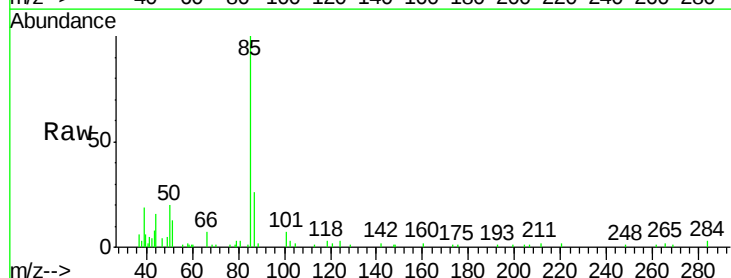
Acq: 16 Dec 2020 23:09

Tgt Ion: 85 Resp: 21347

Ion Ratio Lower Upper

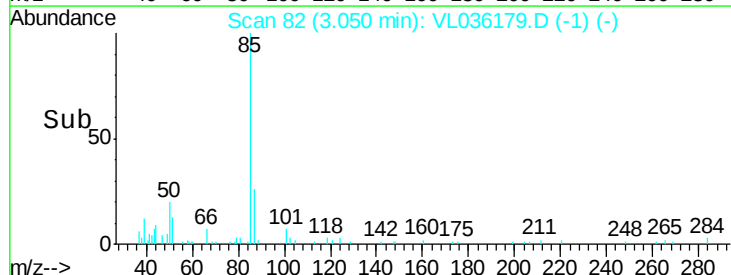
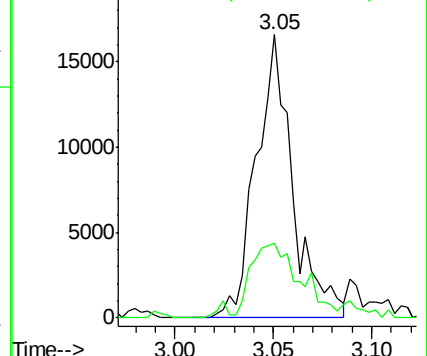
85 100

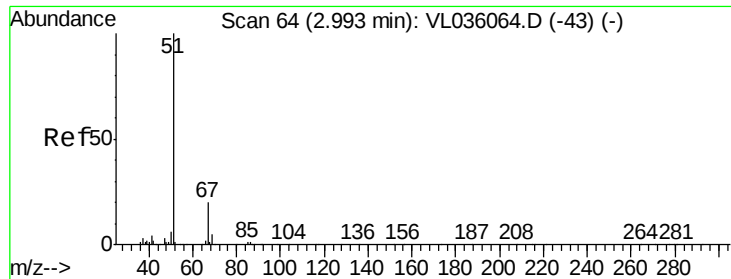
87 26.4 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.206 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL036179.D

Acq: 16 Dec 2020 23:09

Instrument :

MSVOA_L

ClientSampleId :

AS-EFF-201210DL2

Tgt Ion: 51 Resp: 36068

Ion Ratio Lower Upper

51 100

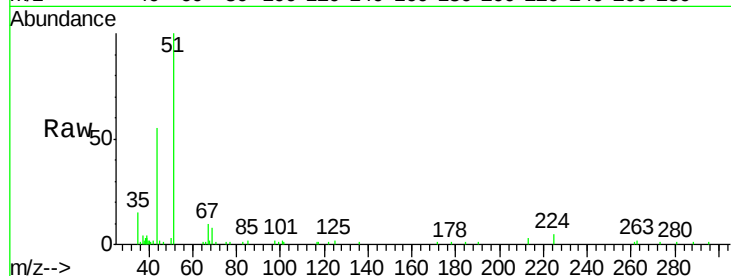
67 18.1 14.3 21.5

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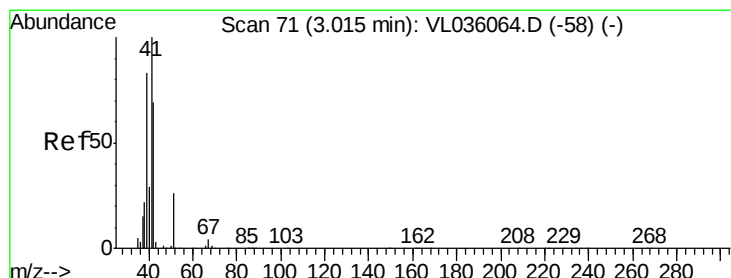
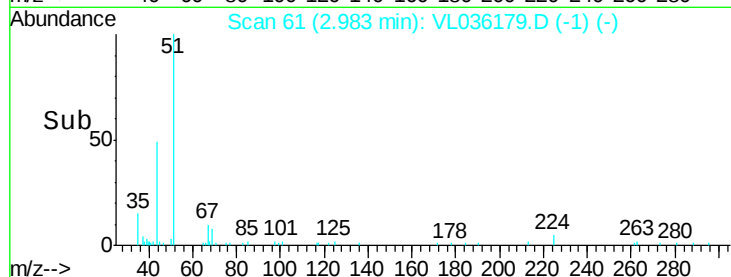
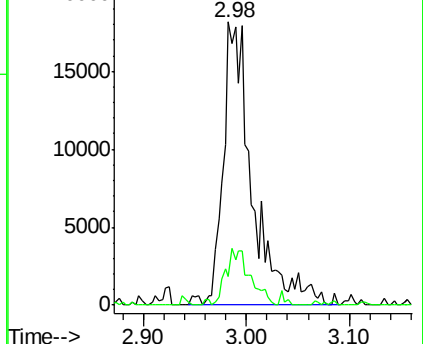
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.112 ppbv m

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL036179.D

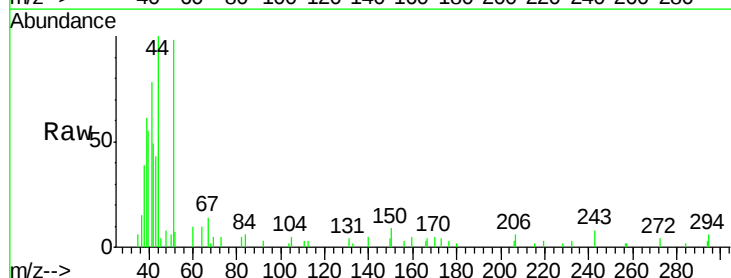
Acq: 16 Dec 2020 23:09

Tgt Ion: 41 Resp: 9778

Ion Ratio Lower Upper

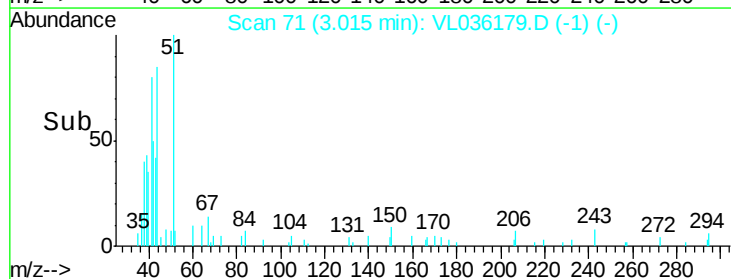
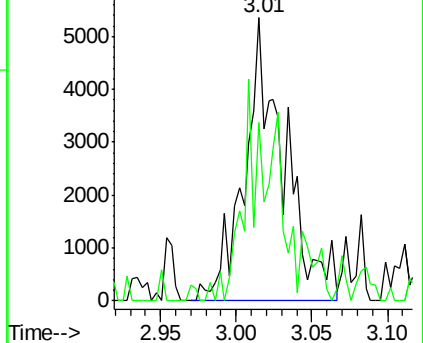
41 100

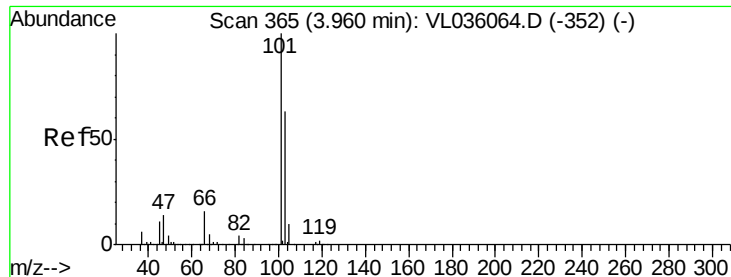
42 6.0 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

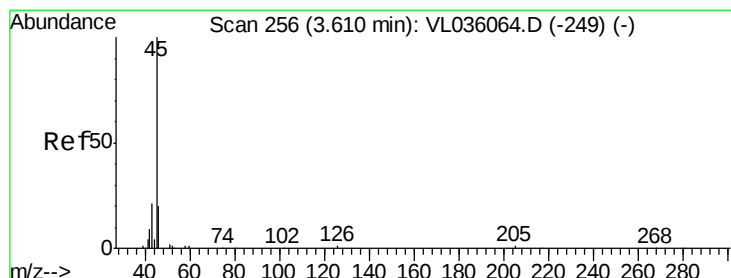
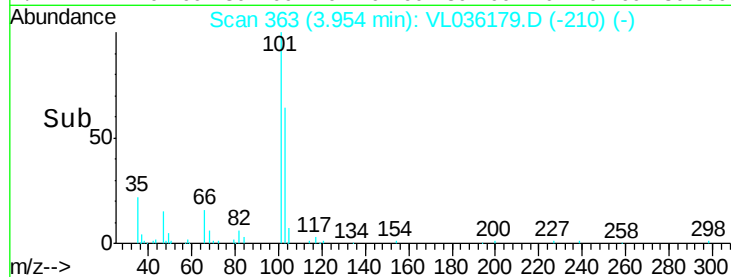
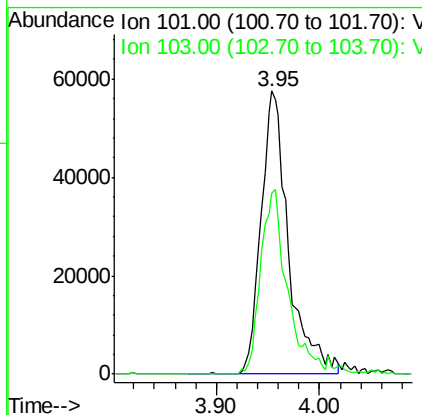
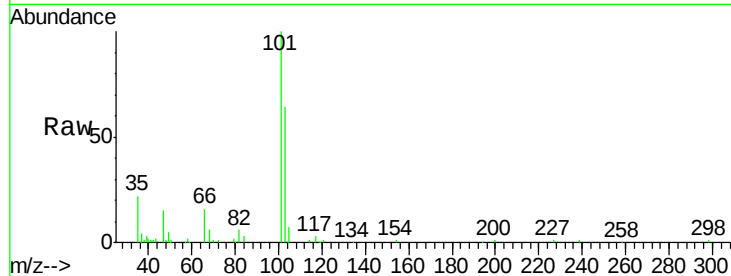
Trichlorofluoromethane
 Concen: 0.507 ppbv m
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VL036179.D
 Acq: 16 Dec 2020 23:09

Instrument :
 MSVOA_L
 ClientSampleId :
 AS-EFF-201210DL2

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.3	75.5

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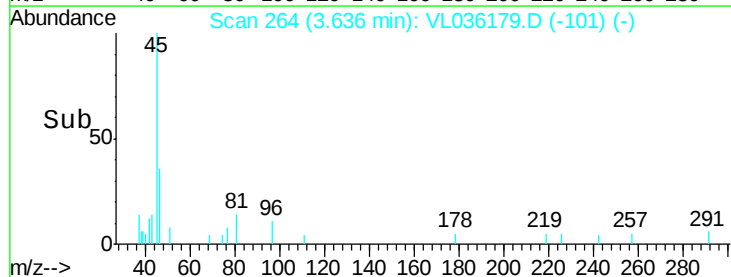
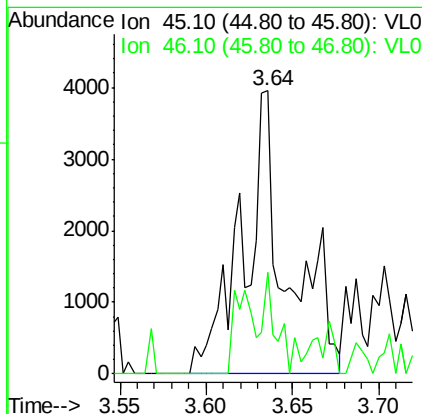
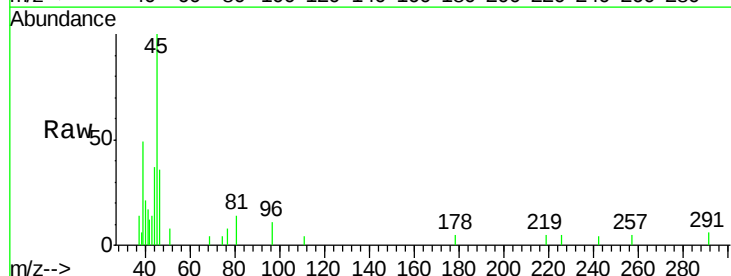
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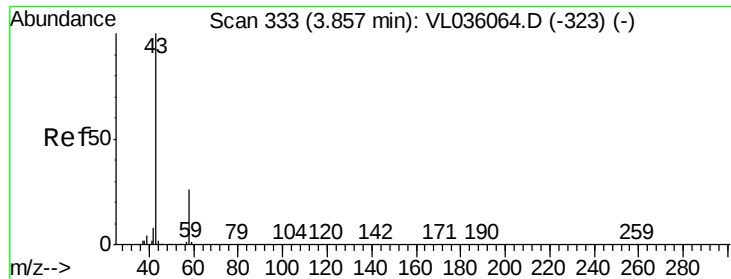


#13

Ethanol
 Concen: 0.577 ppbv m
 RT: 3.64 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VL036179.D
 Acq: 16 Dec 2020 23:09

Tgt Ion	Ratio	Lower	Upper
45	100		
46	0.0	19.0	75.8#





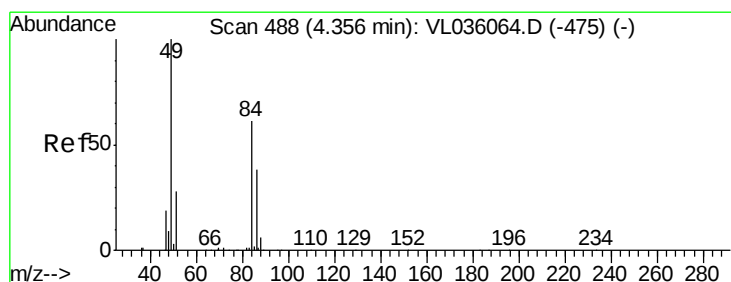
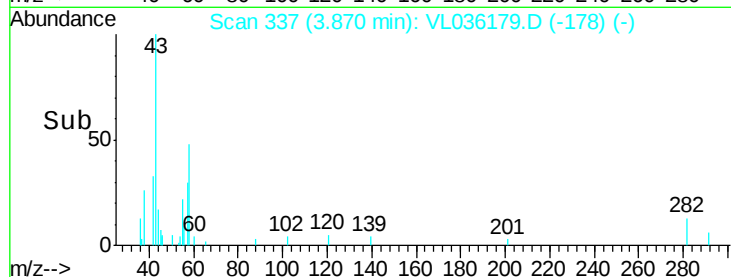
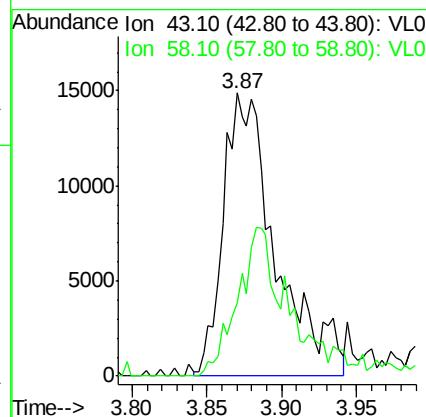
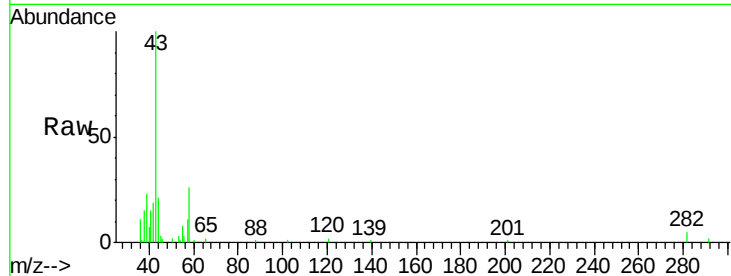
#15
Acetone
Concen: 0.197 ppbv m
RT: 3.87 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201210DL2

Tgt Ion: 43 Resp: 36384
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#

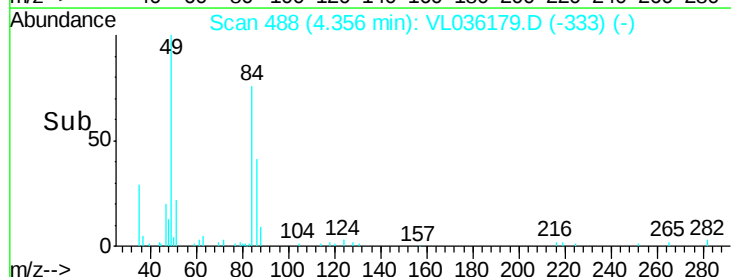
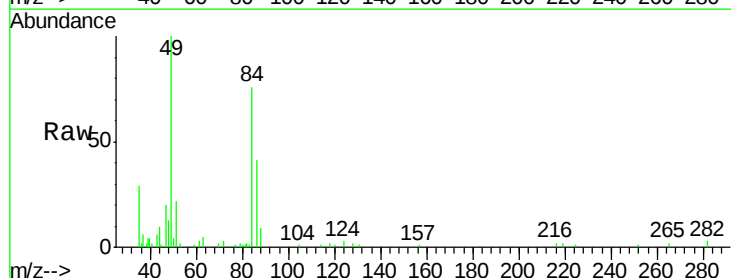
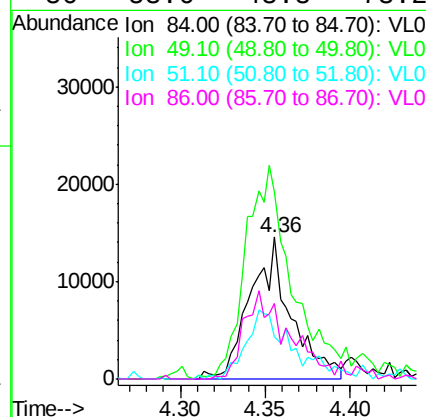
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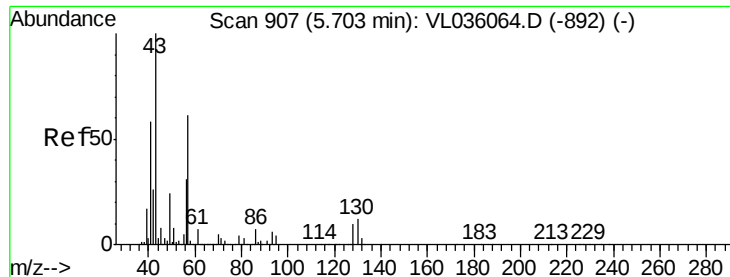
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#20
Methylene Chloride
Concen: 0.321 ppbv m
RT: 4.36 min Scan# 488
Delta R.T. -0.00 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Tgt Ion: 84 Resp: 24220
Ion Ratio Lower Upper
84 100
49 132.1 133.0 199.4#
51 29.4 38.9 58.3#
86 53.6 48.8 73.2





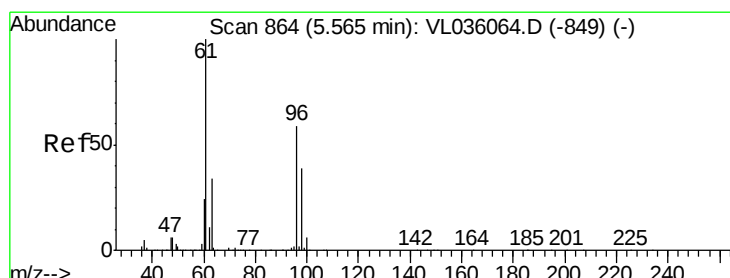
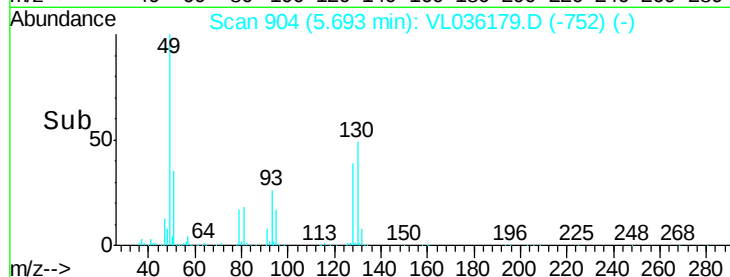
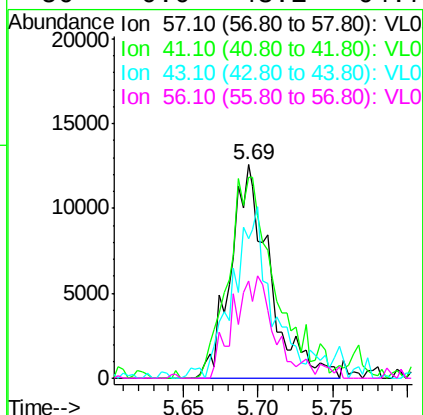
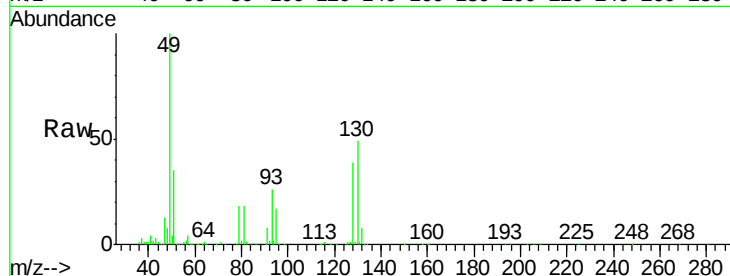
#26
Hexane
Concen: 0.139 ppbv m
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201210DL2

Tgt Ion	Ratio	Lower	Upper
57	100		
41	120.9	82.9	124.3
43	0.0	199.9	299.9#
56	0.0	43.1	64.7#

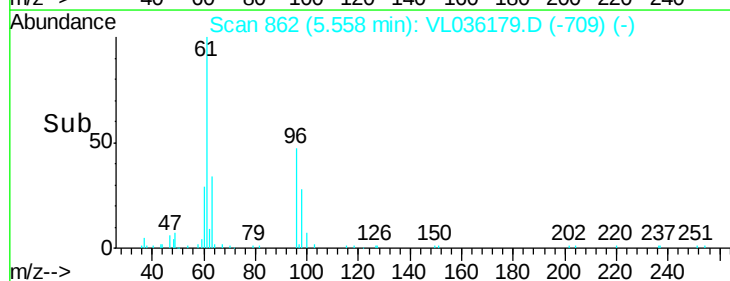
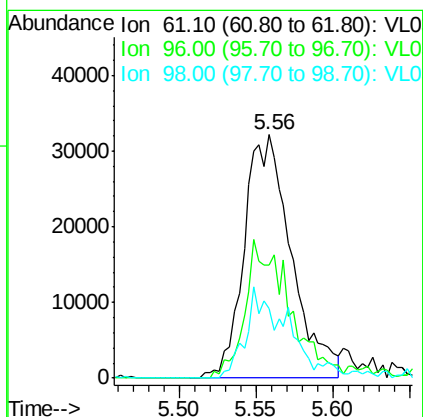
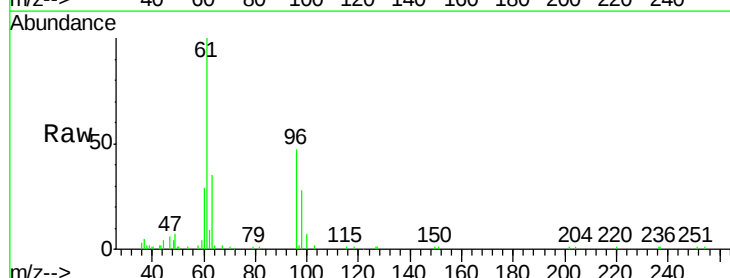
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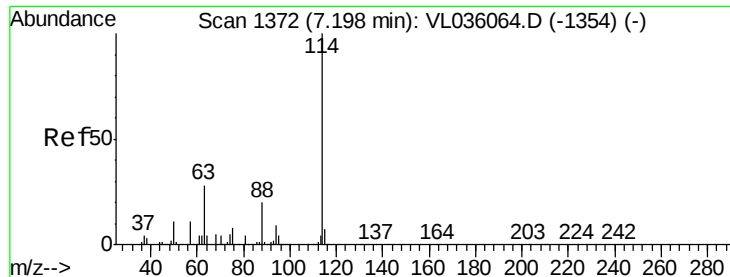
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#31
cis-1,2-Dichloroethene
Concen: 0.455 ppbv m
RT: 5.56 min Scan# 862
Delta R.T. -0.01 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Tgt Ion	Ratio	Lower	Upper
61	100		
96	46.6	47.3	70.9#
98	28.4	31.4	47.0#





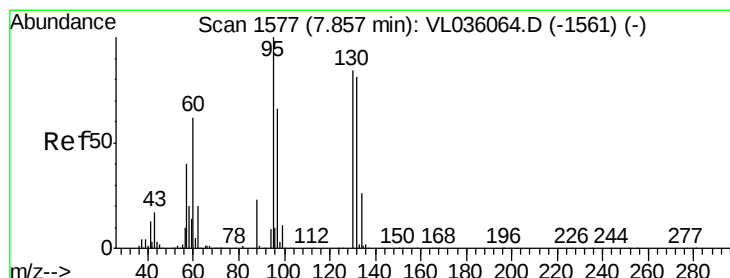
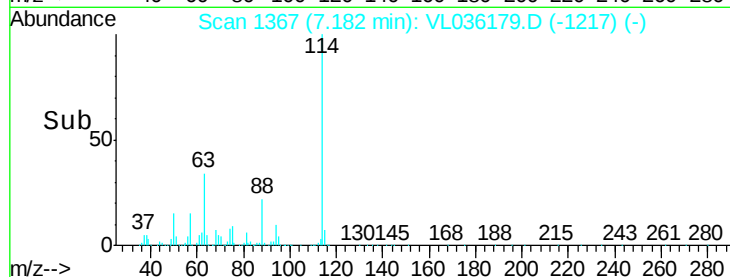
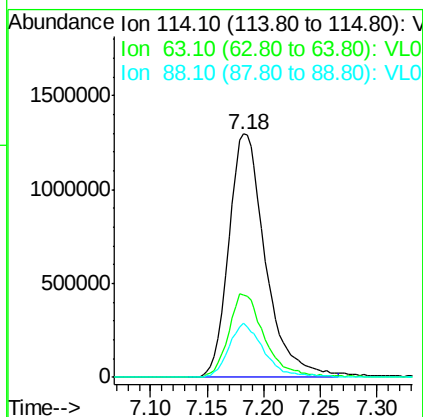
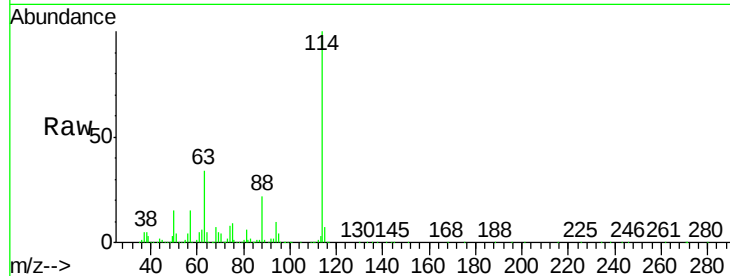
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201210DL2

Tgt Ion:114 Resp: 2929427
Ion Ratio Lower Upper
114 100
63 34.2 23.6 35.4
88 21.7 15.8 23.6

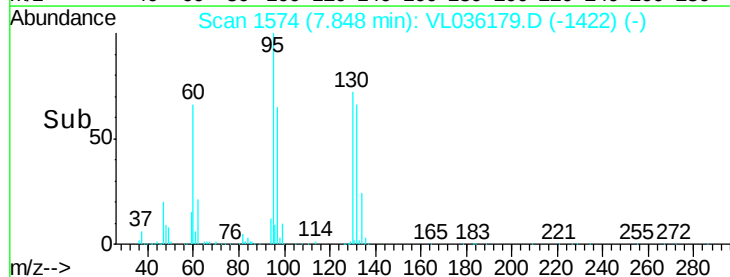
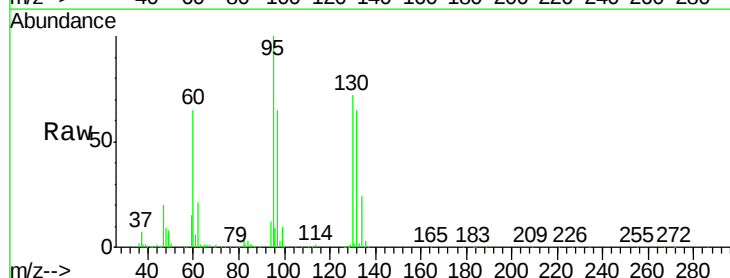
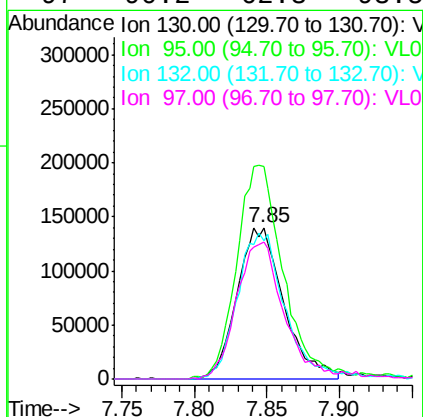
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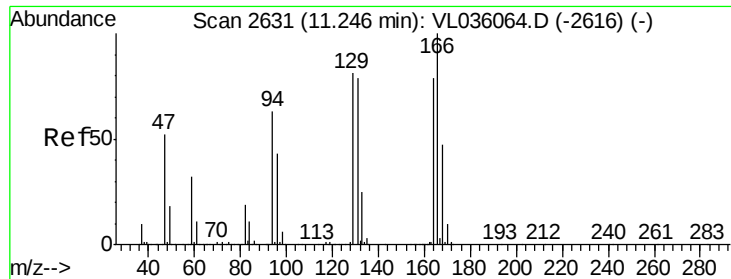
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#38
Trichloroethene
Concen: 3.383 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Tgt Ion:130 Resp: 313976
Ion Ratio Lower Upper
130 100
95 139.5 95.2 142.8
132 91.5 76.9 115.3
97 90.2 62.3 93.5





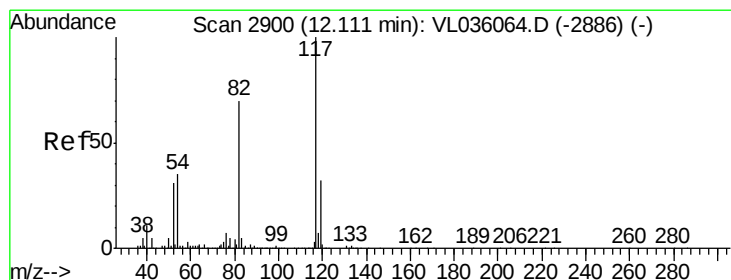
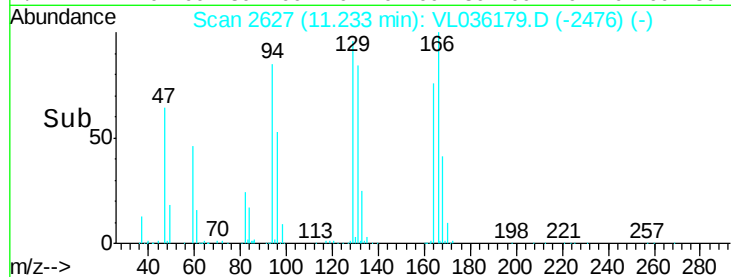
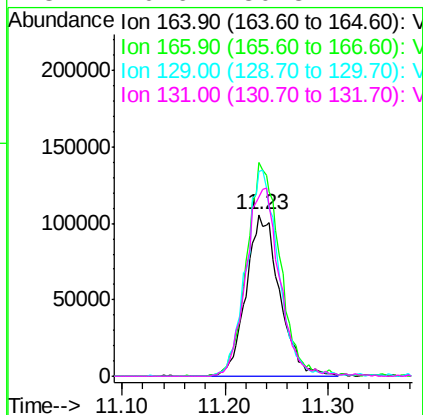
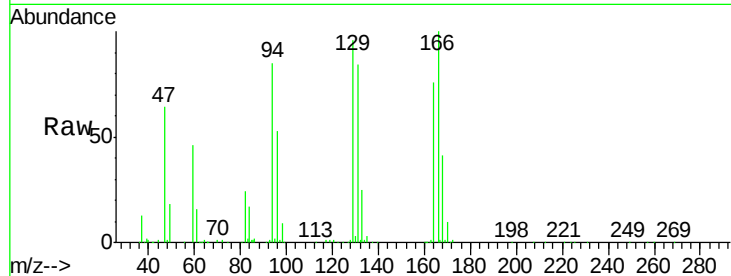
#52
Tetrachloroethene
Concen: 2.657 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Instrument :
MSVOA_L
ClientSampleId :
AS-EFF-201210DL2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	132.2	101.9	152.9	
129	126.6	82.1	123.1#	
131	110.6	80.8	121.2	

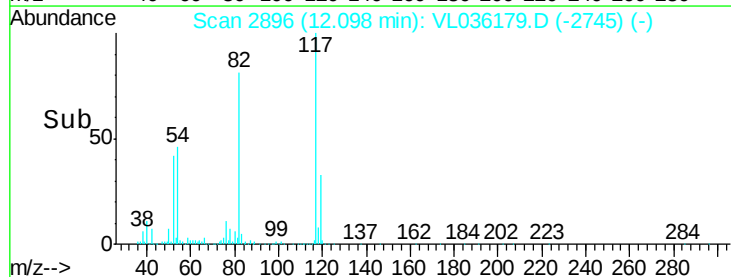
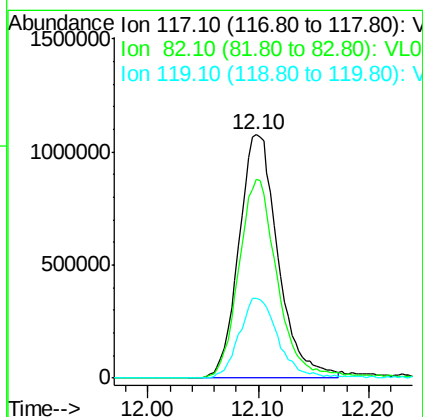
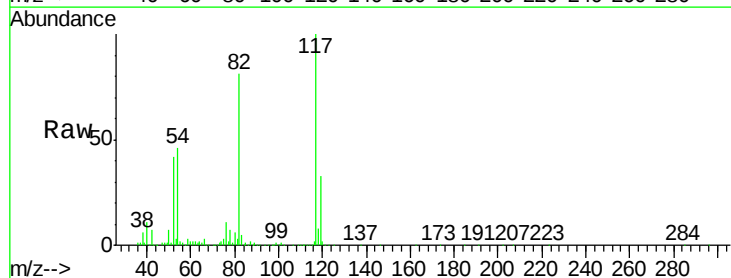
Manual Integrations
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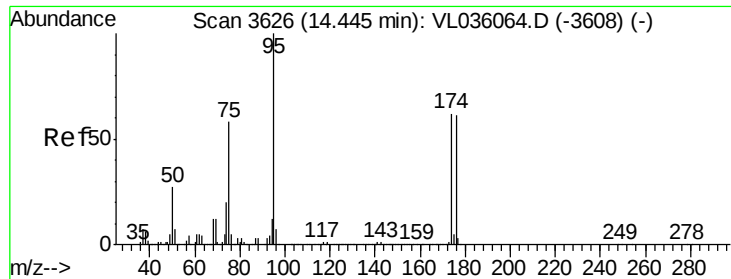
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036179.D
Acq: 16 Dec 2020 23:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	82.4	0.0	0.0#
119	33.0	0.0	0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.773 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL036179.D
 Acq: 16 Dec 2020 23:09

Instrument :
 MSVOA_L
 ClientSampleId :
 AS-EFF-201210DL2

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.0	50.7	76.1
175	3.9	4.0	6.0

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:56:41 PM

