

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036304.D
 Acq On : 3 Feb 2021 21:54
 Operator : SY/AP
 Sample : M1295-02DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENTDUP

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 5:15:46 PM

Quant Time: Feb 04 01:48:24 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021

QLast Update : Thu Jan 14 16:13:38 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.684	49	1471575	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.195	114	3098905	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.111	117	2785505	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.442	95	2267525	9.83	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	54136m	0.27	ppbv	
3) Chlorodifluoromethane	2.999	51	48053m	0.27	ppbv	
4) Chloromethane	3.153	50	35287m	0.40	ppbv	
9) Propene	3.031	41	32450m	0.38	ppbv	
11) Trichlorofluoromethane	3.964	101	53968	0.27	ppbv	99
13) Ethanol	3.620	45	520473	38.51	ppbv	88
15) Acetone	3.864	43	838616	4.65	ppbv	96
19) Isopropyl Alcohol	3.989	45	165060m	1.52	ppbv	
20) Methylene Chloride	4.359	84	309133	5.37	ppbv	93
26) Hexane	5.703	57	247293m	1.64	ppbv	
29) Chloroform	5.771	83	50083m	0.23	ppbv	
31) cis-1,2-Dichloroethene	5.565	61	282496	1.96	ppbv	96
34) 2-Butanone	5.269	43	157342	0.69	ppbv	93
35) Carbon Tetrachloride	7.034	117	16780m	0.09	ppbv	
36) Benzene	6.915	78	52449m	0.18	ppbv	
38) Trichloroethene	7.854	130	17369m	0.17	ppbv	
52) Tetrachloroethene	11.243	164	174500m	1.67	ppbv	
53) Toluene	9.828	91	915505	2.88	ppbv	99
59) m/p-Xylene	12.989	91	50211m	0.14	ppbv	

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

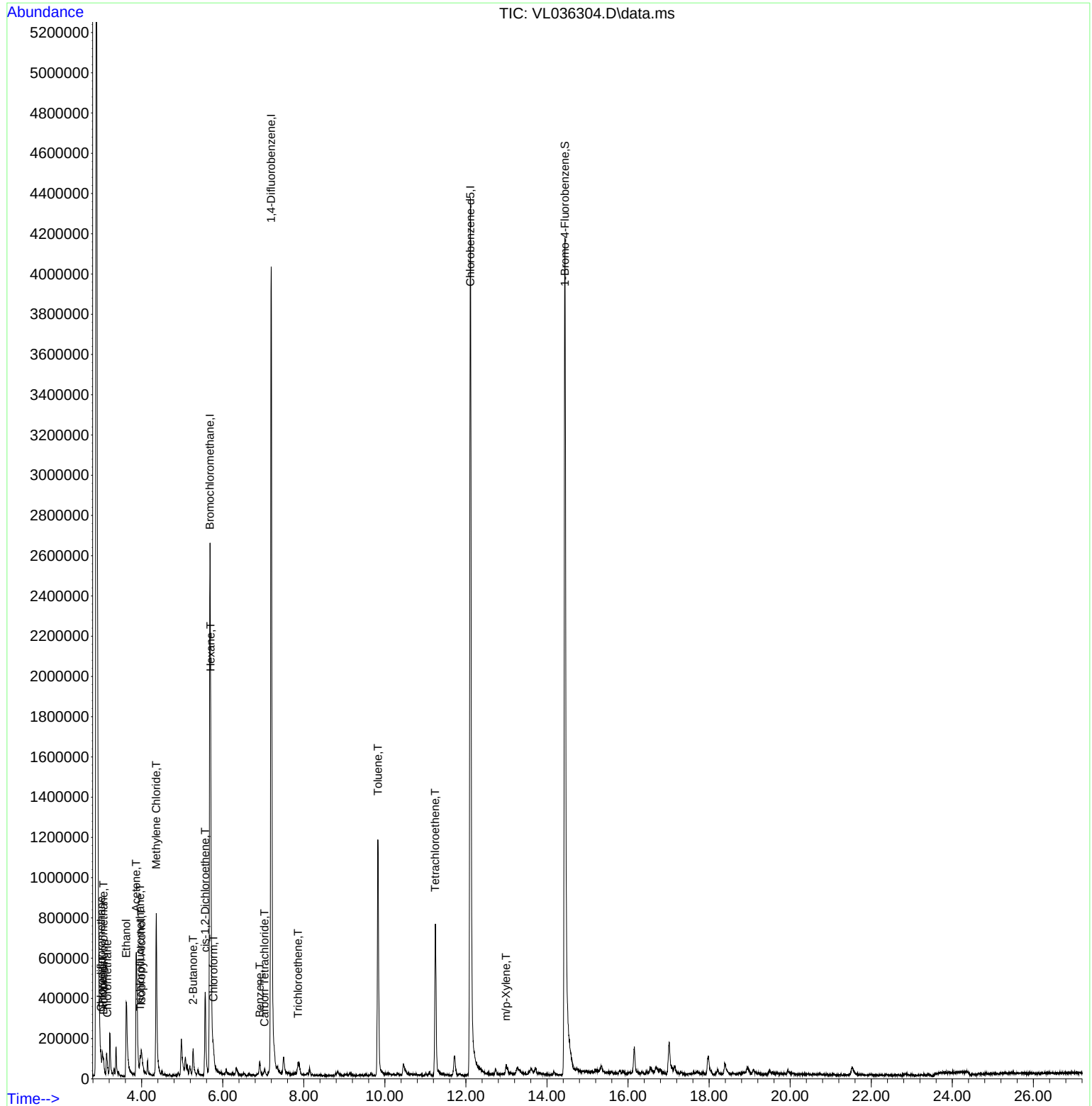
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
Data File : VL036304.D
Acq On : 3 Feb 2021 21:54
Operator : SY/AP
Sample : M1295-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

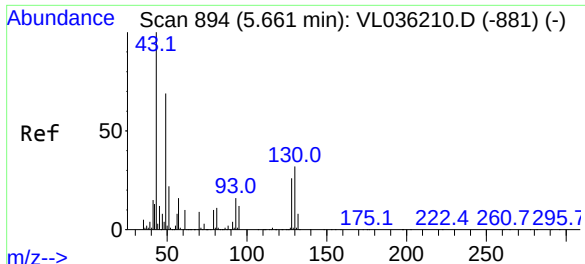
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

Manual Integrations
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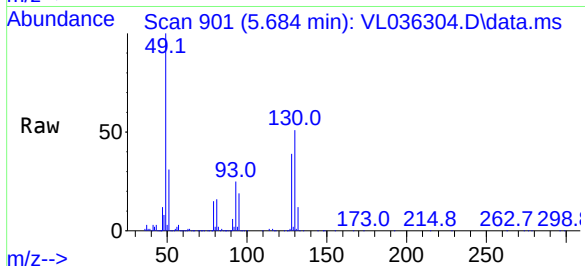
Quant Time: Feb 04 01:48:24 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.022 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

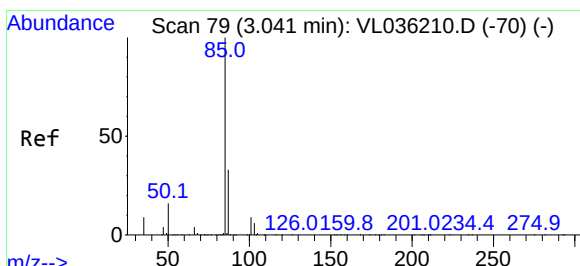
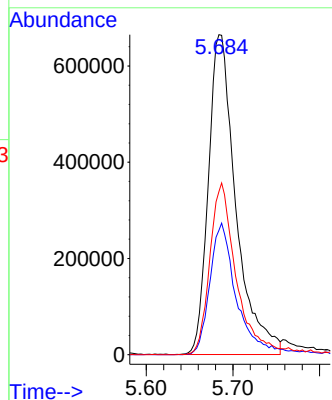
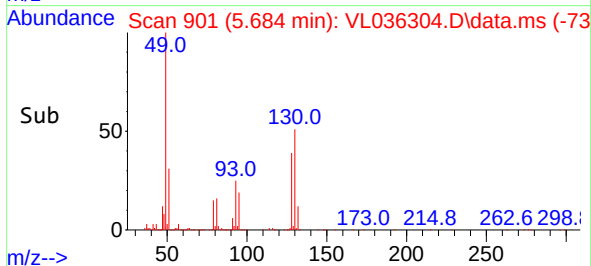
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



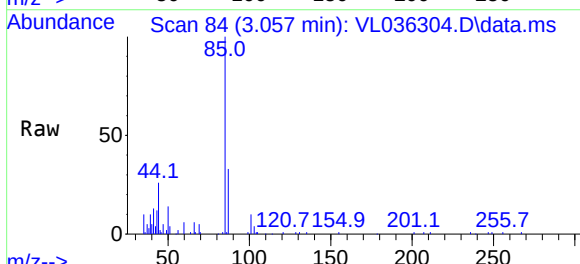
Tgt Ion: 49 Resp: 1471575
Ion Ratio Lower Upper
49 100
128 40.4 20.1 60.2
130 53.3 25.3 75.9

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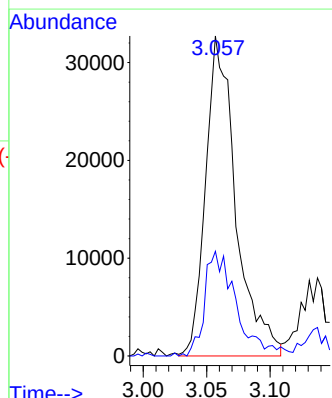
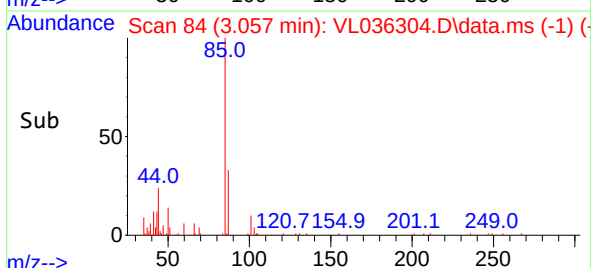
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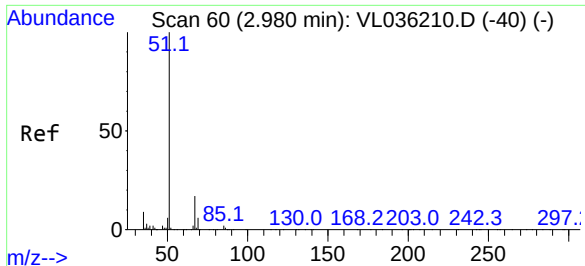


#2
Dichlorodifluoromethane
Concen: 0.27 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54



Tgt Ion: 85 Resp: 54136
Ion Ratio Lower Upper
85 100
87 32.7 26.4 39.6





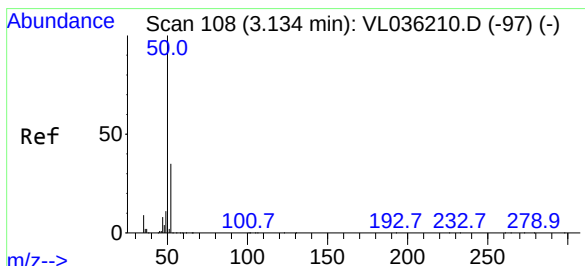
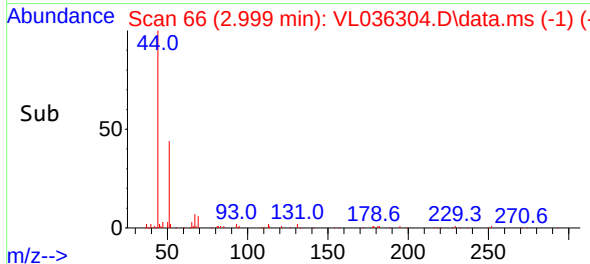
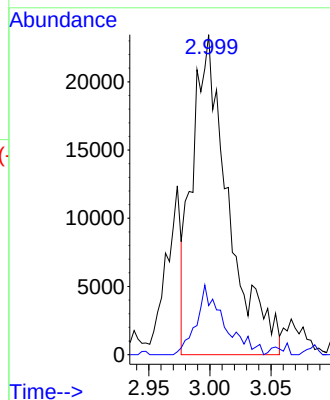
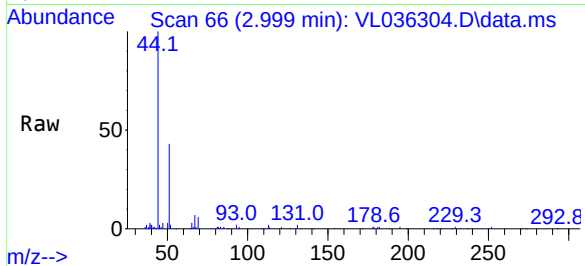
#3
Chlorodifluoromethane
Concen: 0.27 ppbv m
RT: 2.999 min Scan# 66
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 51 Resp: 48053
Ion Ratio Lower Upper
51 100
67 17.8 14.0 21.0

Instrument :
MSVOA_L
ClientSampleId :
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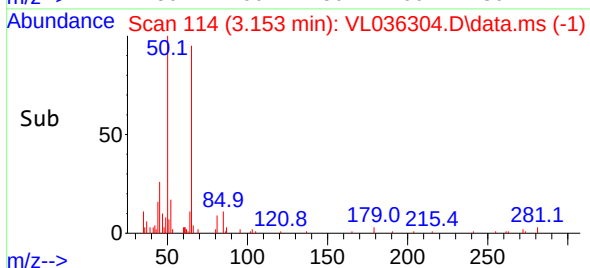
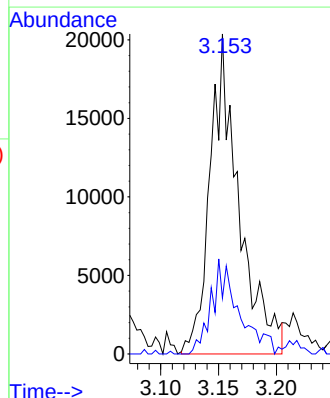
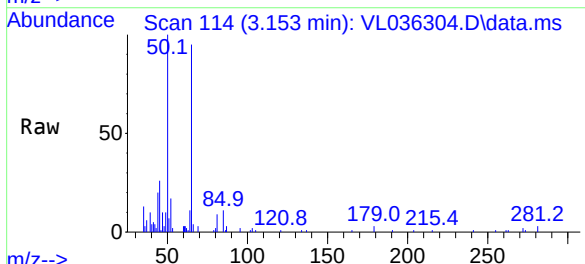
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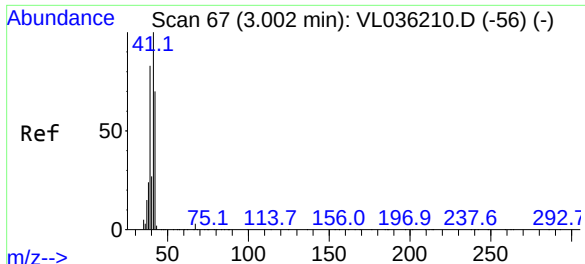
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#4
Chloromethane
Concen: 0.40 ppbv m
RT: 3.153 min Scan# 114
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 50 Resp: 35287
Ion Ratio Lower Upper
50 100
52 17.5 27.8 41.8#





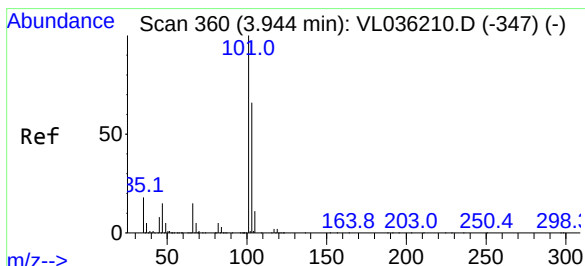
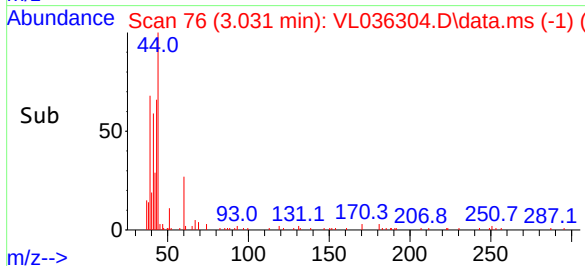
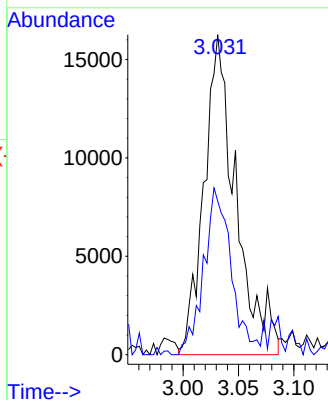
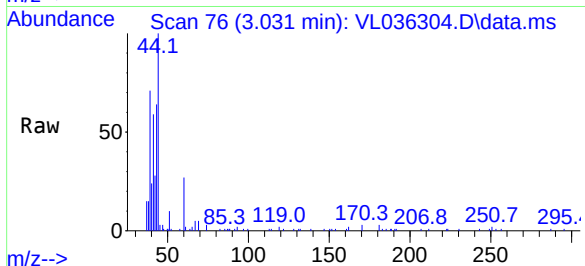
#9
Propene
Concen: 0.38 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.029 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 41 Resp: 32450
Ion Ratio Lower Upper
41 100
42 45.3 57.1 85.7#

Instrument :
MSVOA_L
ClientSampleId :
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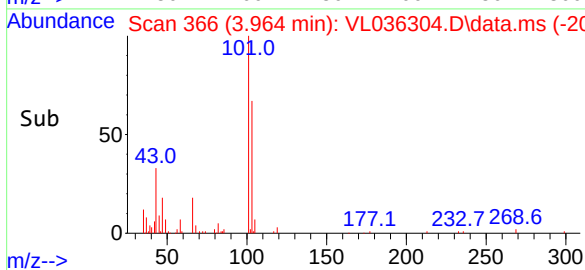
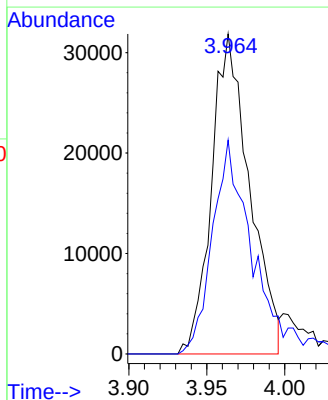
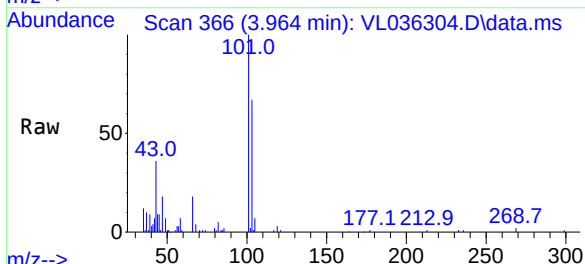
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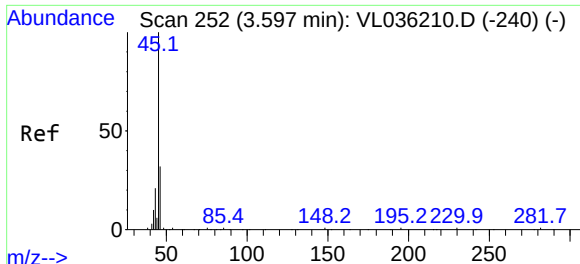
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#11
Trichlorofluoromethane
Concen: 0.27 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 101 Resp: 53968
Ion Ratio Lower Upper
101 100
103 66.8 52.6 78.8





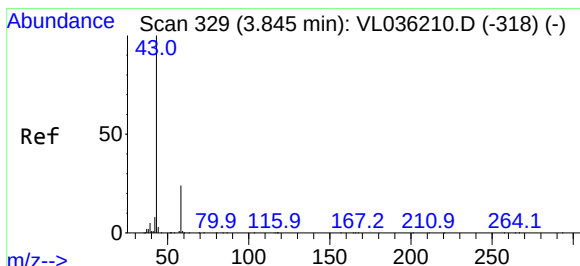
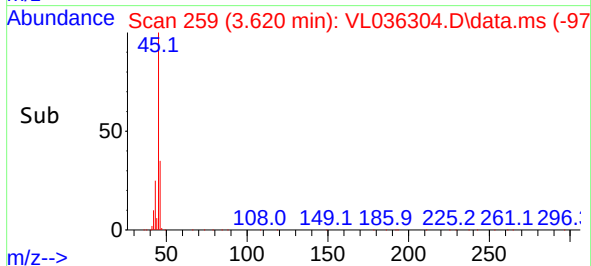
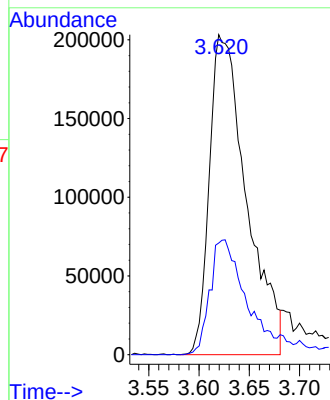
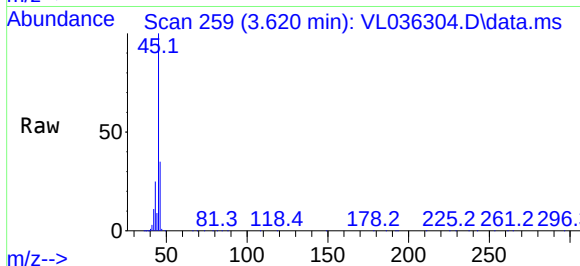
#13
Ethanol
Concen: 38.51 ppbv
RT: 3.620 min Scan# 259
Delta R.T. 0.022 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 45 Resp: 520473
Ion Ratio Lower Upper
45 100
46 40.2 19.2 77.0

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

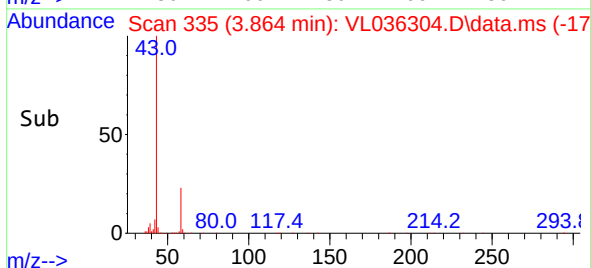
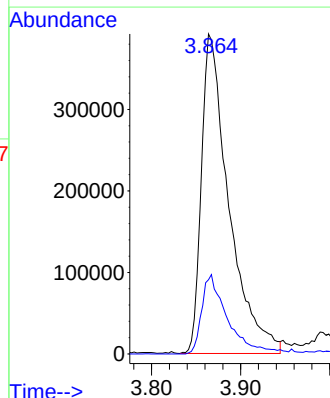
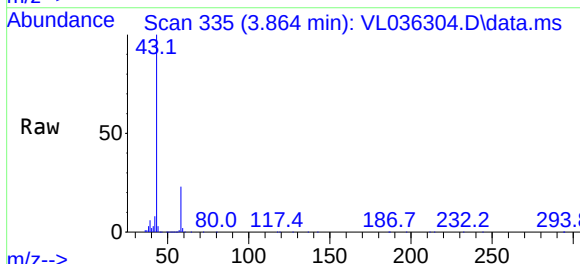
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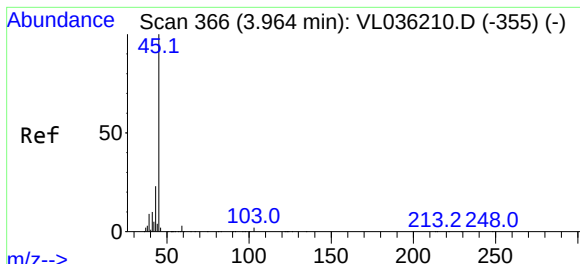
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#15
Acetone
Concen: 4.65 ppbv
RT: 3.864 min Scan# 335
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 43 Resp: 838616
Ion Ratio Lower Upper
43 100
58 23.9 20.9 31.3





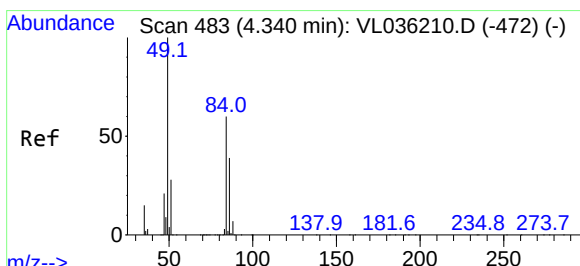
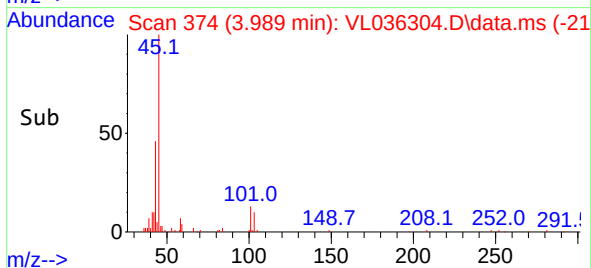
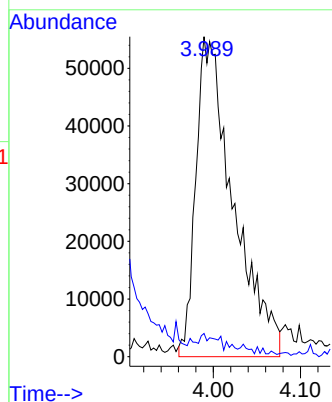
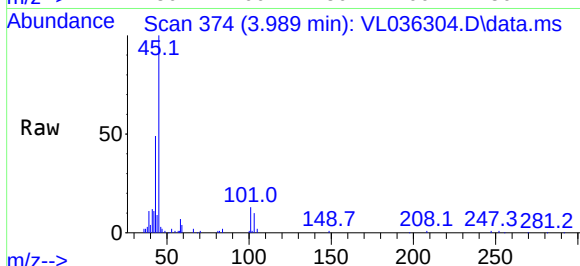
#19
Isopropyl Alcohol
Concen: 1.52 ppbv m
RT: 3.989 min Scan# 374
Delta R.T. 0.026 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 45 Resp: 165060
Ion Ratio Lower Upper
45 100
58 5.3 1.9 2.9#

Instrument :
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ClientSampleId :
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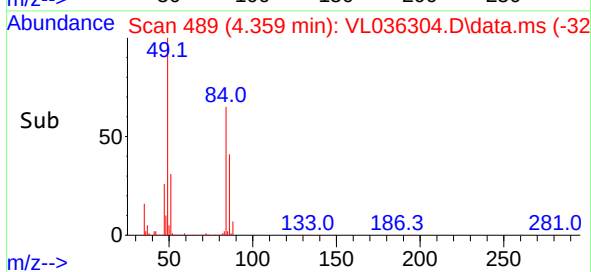
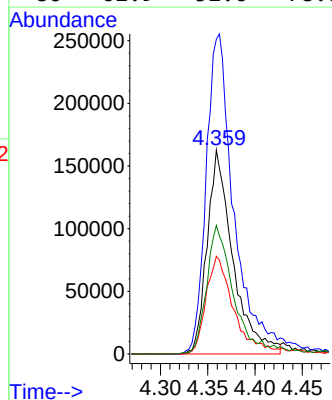
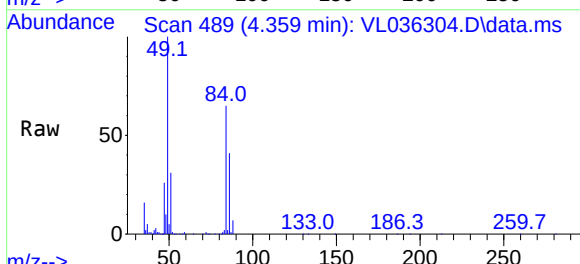
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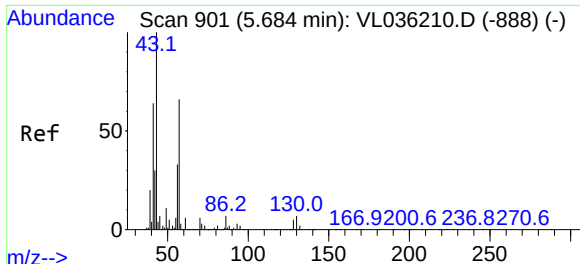
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#20
Methylene Chloride
Concen: 5.37 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 84 Resp: 309133
Ion Ratio Lower Upper
84 100
49 154.1 134.1 201.1
51 47.9 37.4 56.0
86 62.9 52.6 78.8





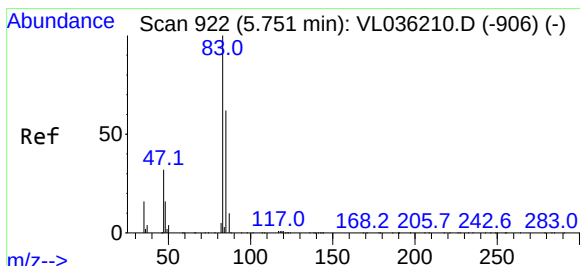
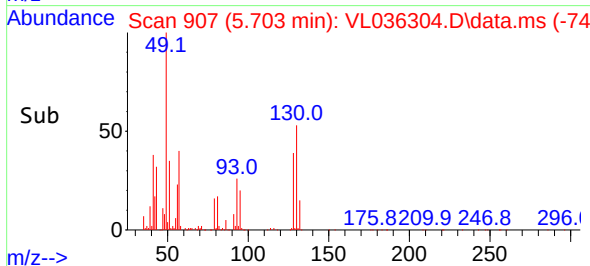
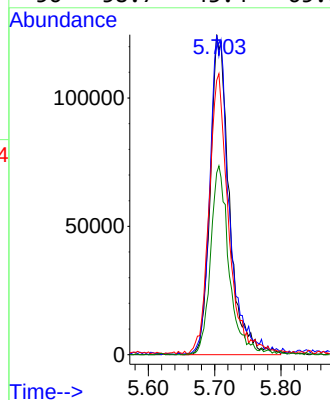
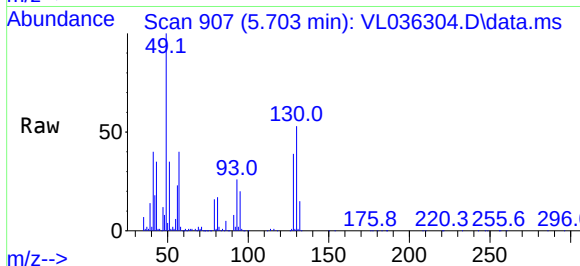
#26
Hexane
Concen: 1.64 ppbv m
RT: 5.703 min Scan# 907
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 57 Resp: 247293
Ion Ratio Lower Upper
57 100
41 102.5 83.0 124.6
43 90.0 202.4 303.6#
56 58.7 43.4 65.0

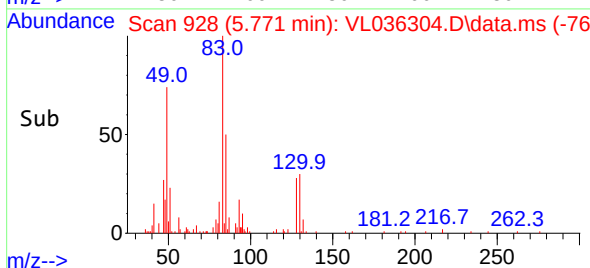
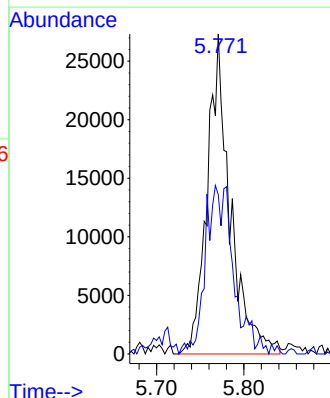
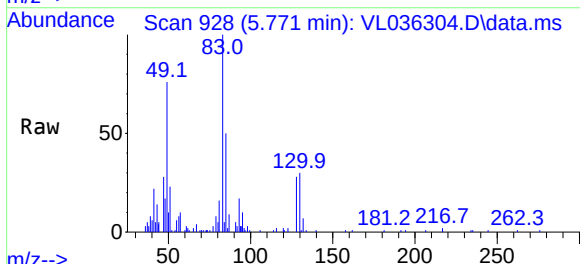
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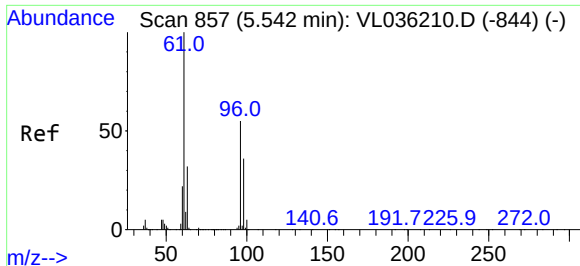
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#29
Chloroform
Concen: 0.23 ppbv m
RT: 5.771 min Scan# 928
Delta R.T. 0.019 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

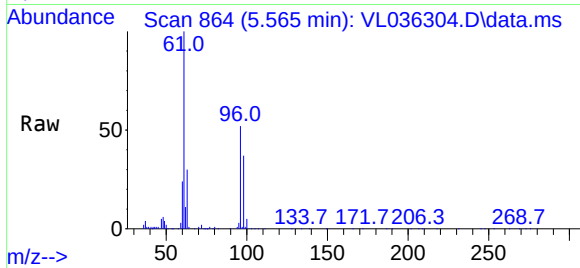
Tgt Ion: 83 Resp: 50083
Ion Ratio Lower Upper
83 100
85 49.8 49.3 73.9





#31
cis-1,2-Dichloroethene
Concen: 1.96 ppbv
RT: 5.565 min Scan# 864
Delta R.T. 0.022 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

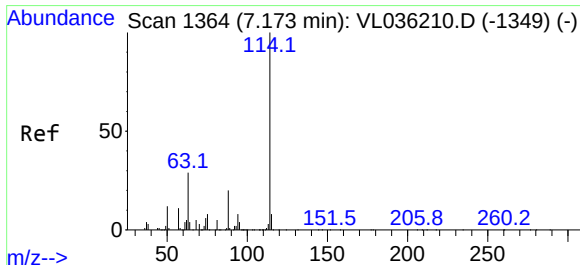
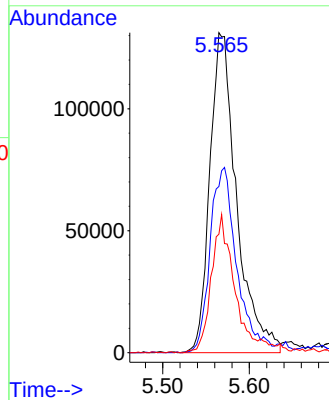
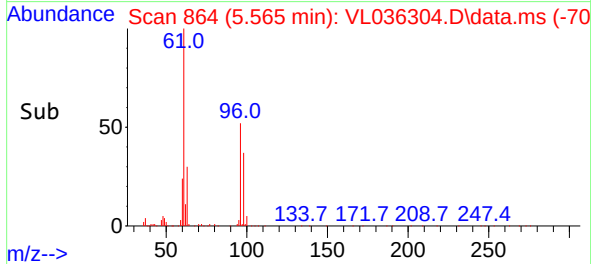
Instrument :
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SVE-EFFLUENTDUP



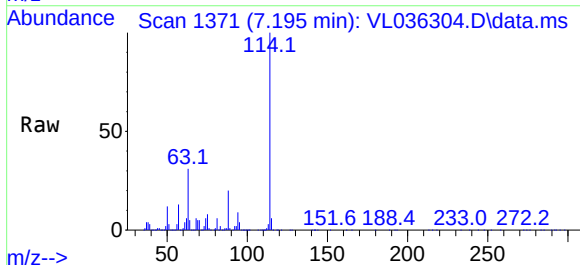
Tgt Ion: 61 Resp: 282496
Ion Ratio Lower Upper
61 100
96 52.0 44.1 66.1
98 37.1 28.6 42.8

Manual Integrations
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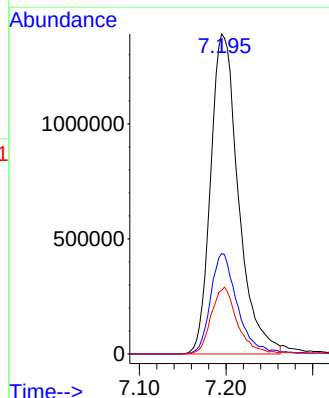
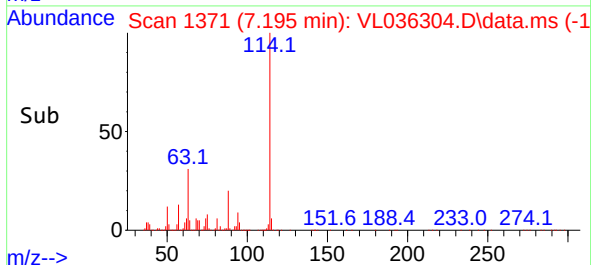
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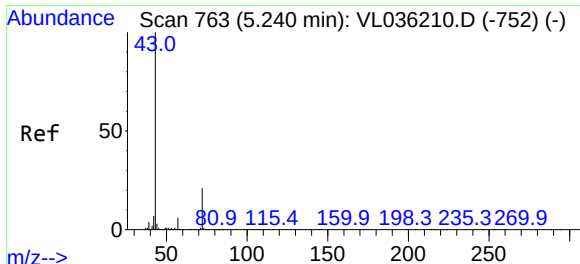


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.195 min Scan# 1371
Delta R.T. 0.022 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54



Tgt Ion: 114 Resp: 3098905
Ion Ratio Lower Upper
114 100
63 31.1 24.7 37.1
88 20.2 16.6 24.8





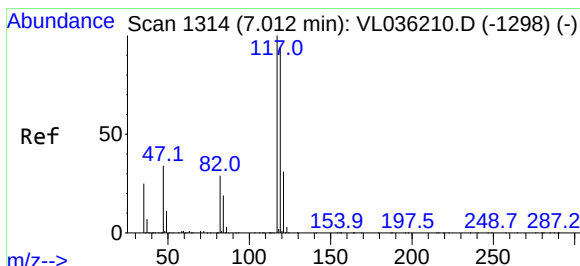
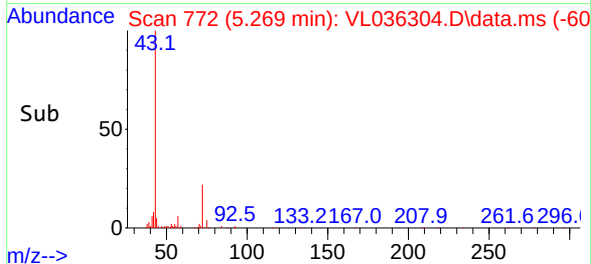
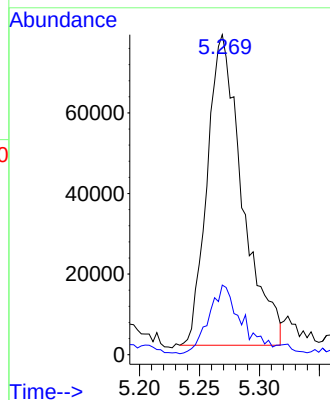
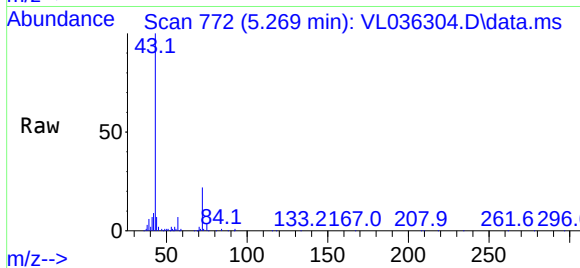
#34
2-Butanone
Concen: 0.69 ppbv
RT: 5.269 min Scan# 772
Delta R.T. 0.029 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 43 Resp: 157342
Ion Ratio Lower Upper
43 100
72 23.1 16.1 24.1

Instrument :
MSVOA_L
ClientSampleId :
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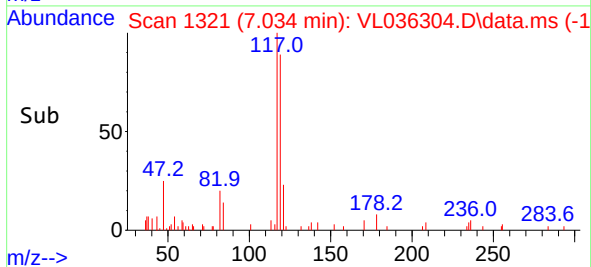
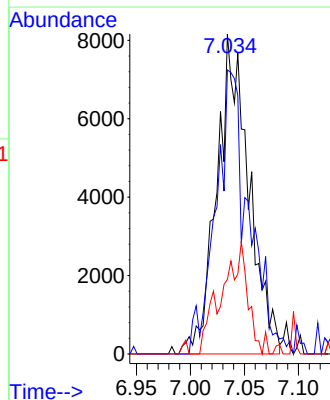
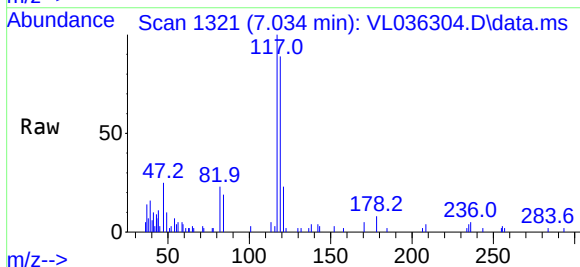
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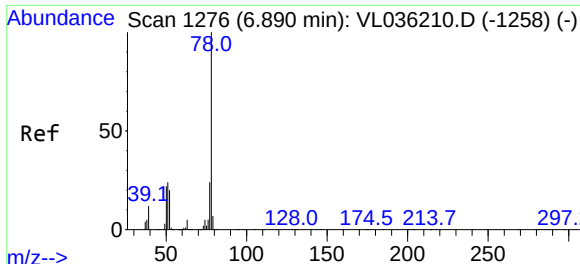
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#35
Carbon Tetrachloride
Concen: 0.09 ppbv m
RT: 7.034 min Scan# 1321
Delta R.T. 0.022 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 117 Resp: 16780
Ion Ratio Lower Upper
117 100
119 88.8 74.9 112.3
121 23.3 25.0 37.6#





#36
Benzene
Concen: 0.18 ppbv m
RT: 6.915 min Scan# 1284
Delta R.T. 0.026 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

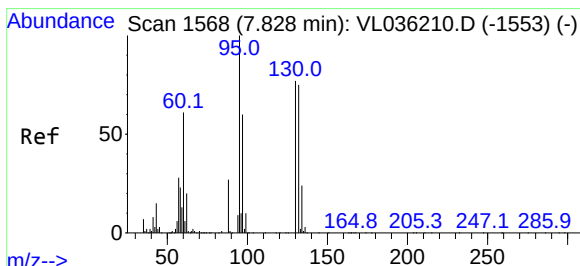
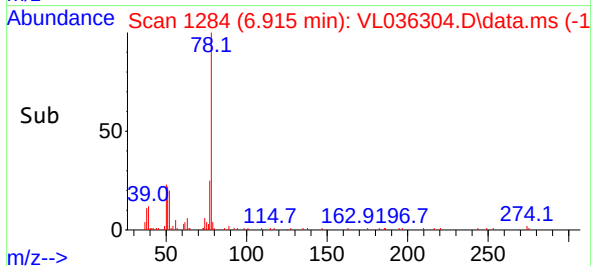
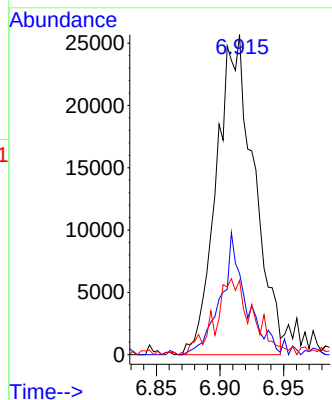
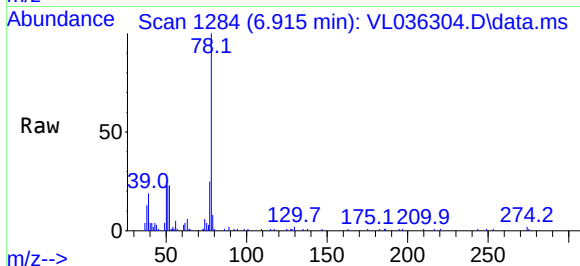
Tgt Ion: 78 Resp: 52449

Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.4	29.0
50	23.2	17.4	26.2

Instrument :
MSVOA_L
ClientSampleId :
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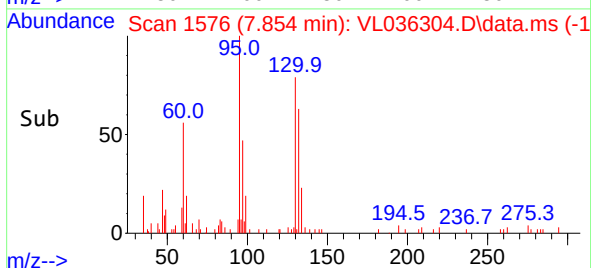
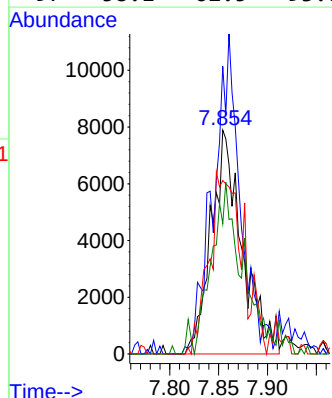
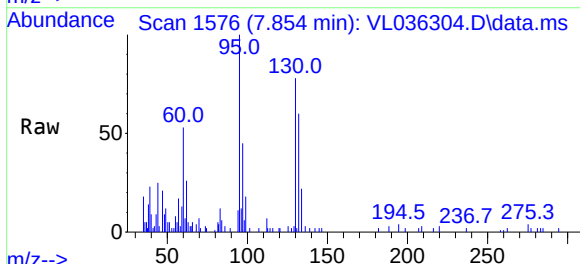
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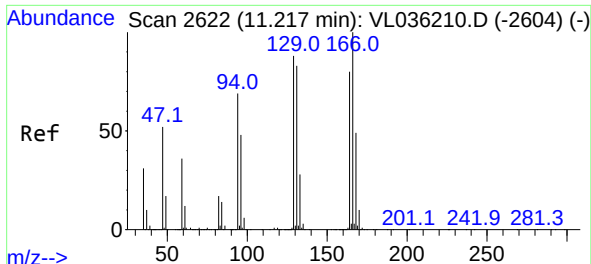


#38
Trichloroethene
Concen: 0.17 ppbv m
RT: 7.854 min Scan# 1576
Delta R.T. 0.026 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion: 130 Resp: 17369

Ion	Ratio	Lower	Upper
130	100		
95	128.5	103.9	155.9
132	77.5	77.4	116.2
97	58.1	62.5	93.7





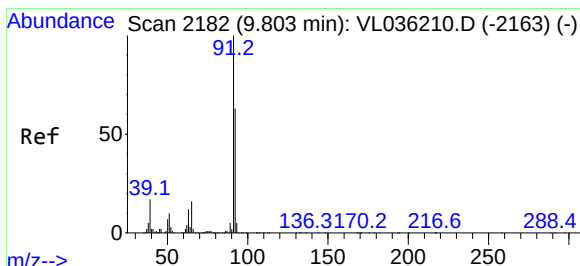
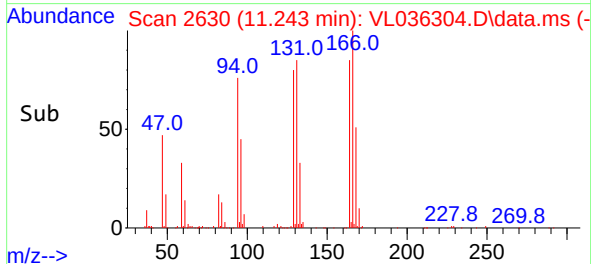
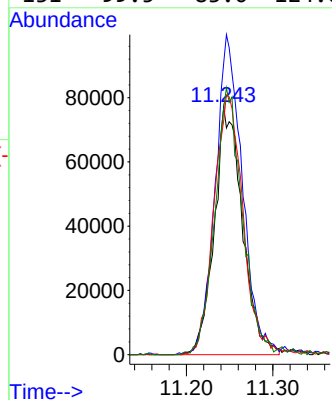
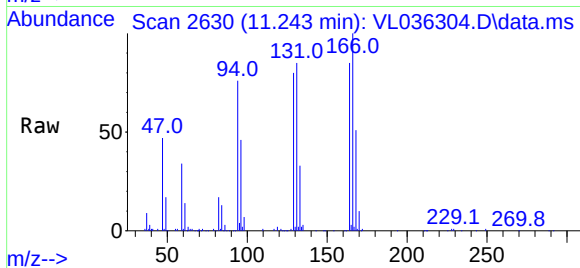
#52
Tetrachloroethene
Concen: 1.67 ppbv
RT: 11.243 min Scan# 2630
Delta R.T. 0.026 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

Tgt Ion:	164	Resp:	174500
Ion	Ratio	Lower	Upper
164	100		
166	117.7	99.9	149.9
129	94.4	88.2	132.4
131	99.5	83.0	124.6

Instrument :
MSVOA_L
ClientSampleId :
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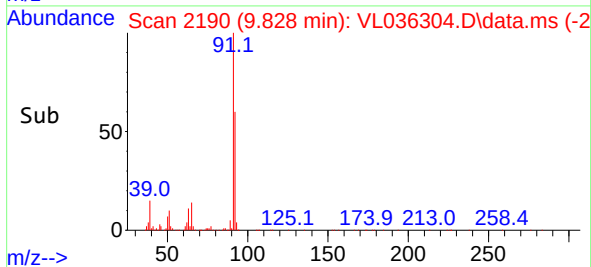
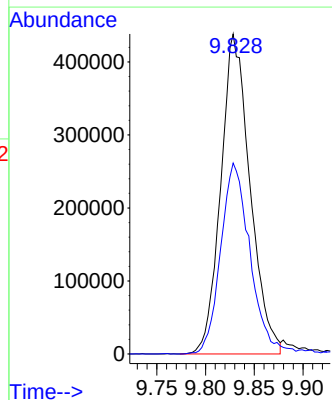
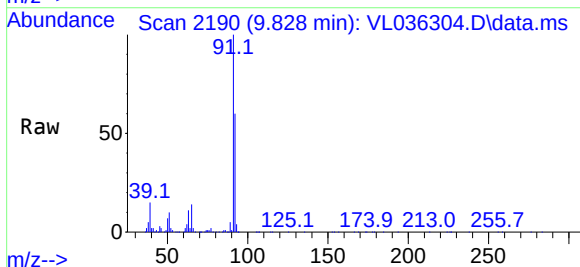
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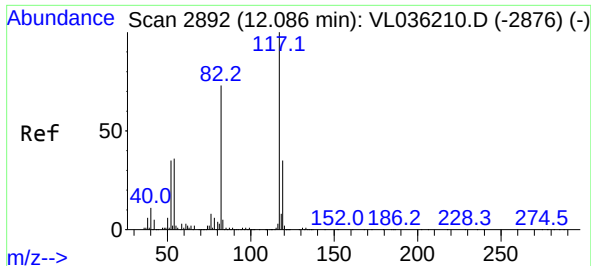
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#53
Toluene
Concen: 2.88 ppbv
RT: 9.828 min Scan# 2190
Delta R.T. 0.026 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

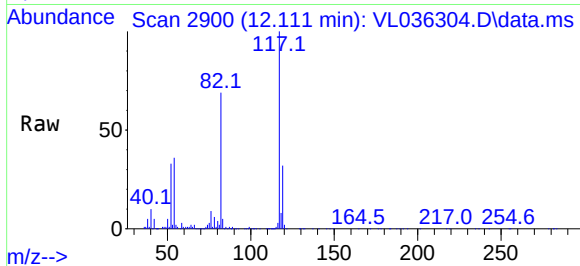
Tgt Ion:	91	Resp:	915505
Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.5	72.7





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.111 min Scan# 2900
Delta R.T. 0.026 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54

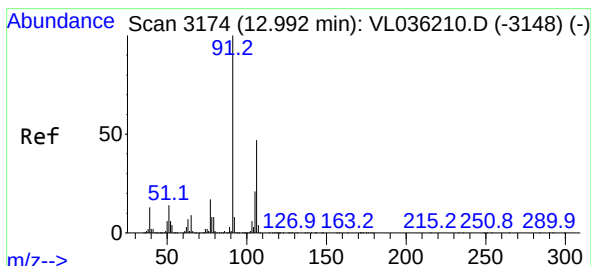
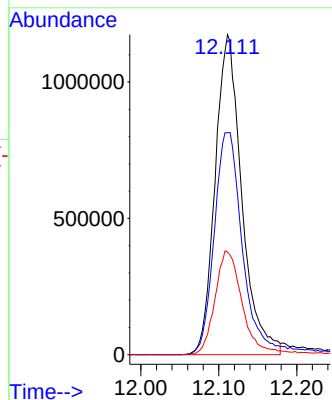
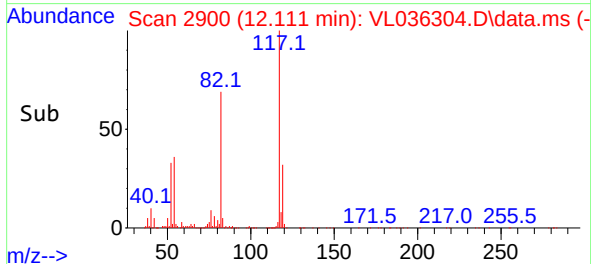
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



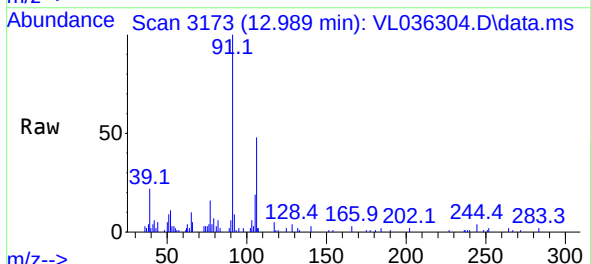
Tgt Ion:117 Resp: 2785505
Ion Ratio Lower Upper
117 100
82 76.4 59.7 89.5
119 34.1 28.6 43.0

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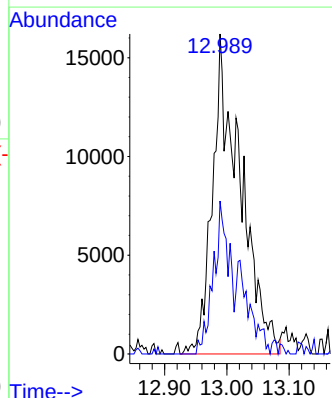
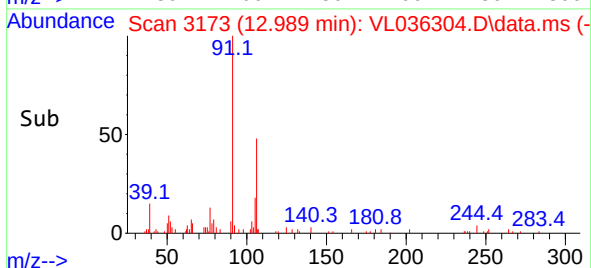
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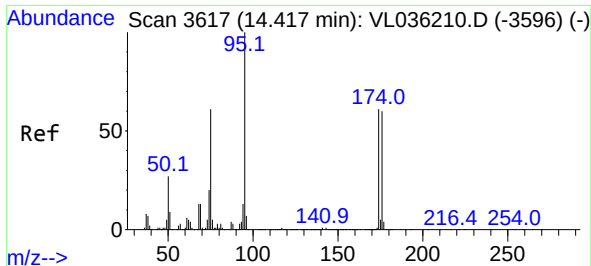


#59
m/p-Xylene
Concen: 0.14 ppbv m
RT: 12.989 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL036304.D
Acq: 3 Feb 2021 21:54



Tgt Ion: 91 Resp: 50211
Ion Ratio Lower Upper
91 100
106 15.7 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.83 ppbv
 RT: 14.442 min Scan# 3625
 Delta R.T. 0.026 min
 Lab File: VL036304.D
 Acq: 3 Feb 2021 21:54

Tgt Ion: 95 Resp: 2267525

Ion	Ratio	Lower	Upper
95	100		
174	65.3	49.4	74.0
175	4.7	3.8	5.8

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENTDUP

Manual Integrations
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