

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036303.D
 Acq On : 3 Feb 2021 21:13
 Operator : SY/AP
 Sample : M1295-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Manual Integrations
 APPROVED

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 2/4/2021 5:15:48 PM

Quant Time: Feb 04 01:48:11 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

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

Internal Standards						
1) Bromochloromethane	5.684	49	1523189	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.195	114	3160998	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.111	117	2891023	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.442	95	2369745	9.90	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.057	85	63239m	0.31	ppbv	
3) Chlorodifluoromethane	2.999	51	49732m	0.27	ppbv	
4) Chloromethane	3.157	50	31409m	0.34	ppbv	
9) Propene	3.034	41	32733m	0.37	ppbv	
11) Trichlorofluoromethane	3.964	101	57878	0.28	ppbv	90
13) Ethanol	3.623	45	507172	36.26	ppbv	85
15) Acetone	3.867	43	821692	4.40	ppbv	96
19) Isopropyl Alcohol	3.996	45	141250m	1.26	ppbv	
20) Methylene Chloride	4.359	84	304546	5.12	ppbv	96
26) Hexane	5.706	57	228660	1.47	ppbv #	44
29) Chloroform	5.767	83	50890m	0.23	ppbv	
31) cis-1,2-Dichloroethene	5.568	61	290146m	1.95	ppbv	
34) 2-Butanone	5.263	43	176693m	0.76	ppbv	
35) Carbon Tetrachloride	7.041	117	16401m	0.08	ppbv	
36) Benzene	6.909	78	51366m	0.18	ppbv	
38) Trichloroethene	7.854	130	16552m	0.15	ppbv	
52) Tetrachloroethene	11.249	164	168921	1.58	ppbv	96
53) Toluene	9.828	91	926897	2.86	ppbv	99
59) m/p-Xylene	12.989	91	52017m	0.14	ppbv	

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

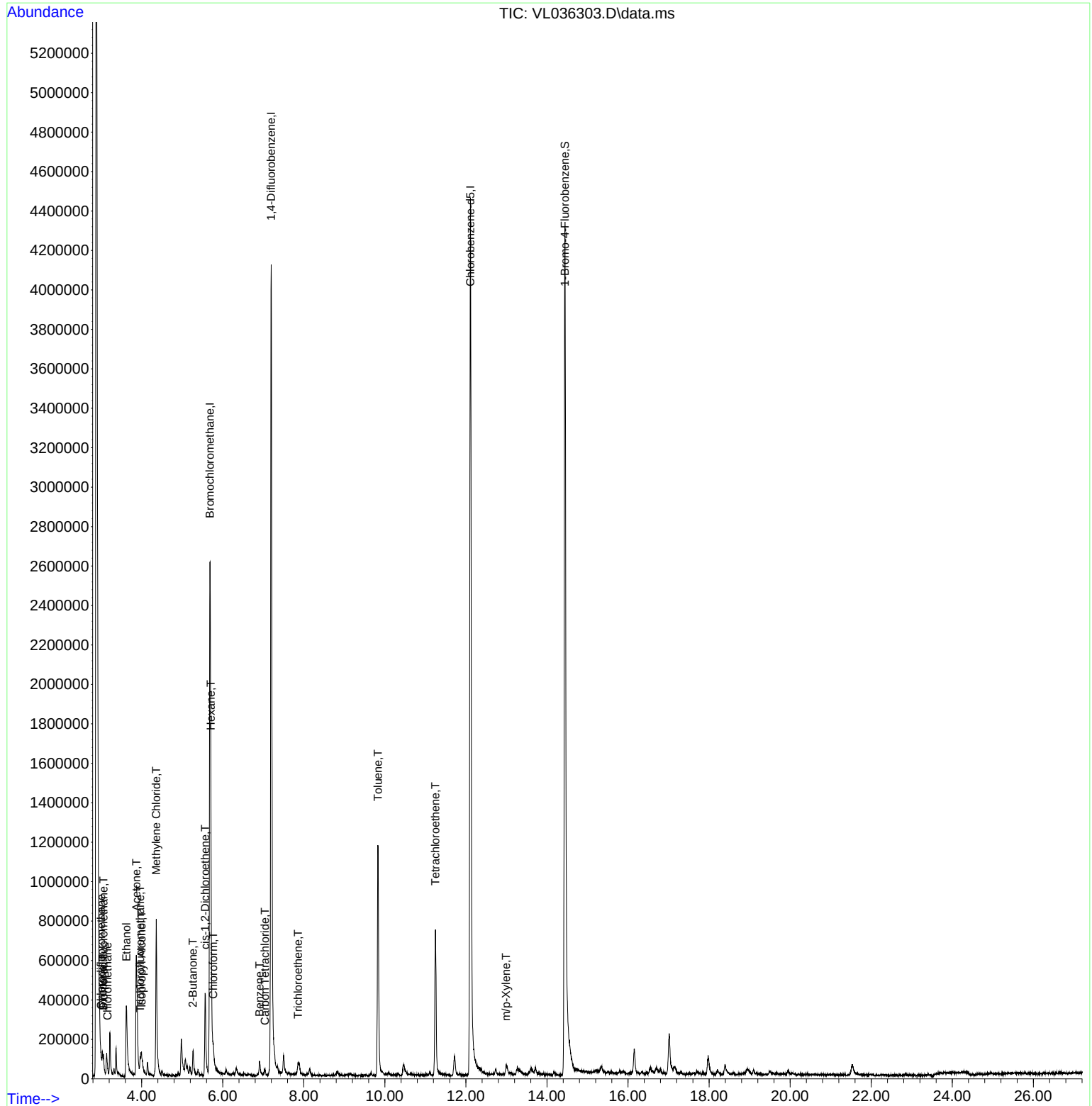
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
Data File : VL036303.D
Acq On : 3 Feb 2021 21:13
Operator : SY/AP
Sample : M1295-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

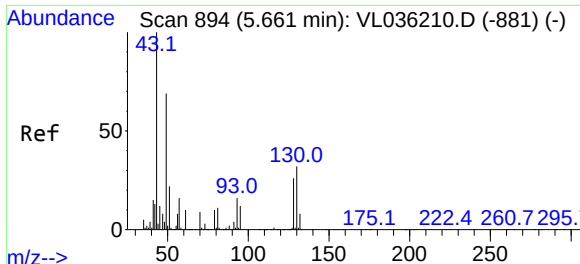
Instrument :
MSVOA_L
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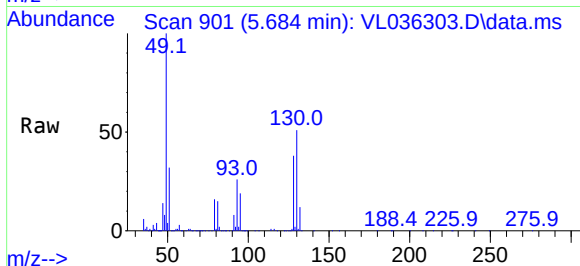
Quant Time: Feb 04 01:48:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.022 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

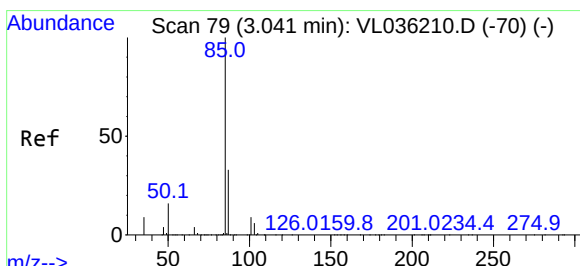
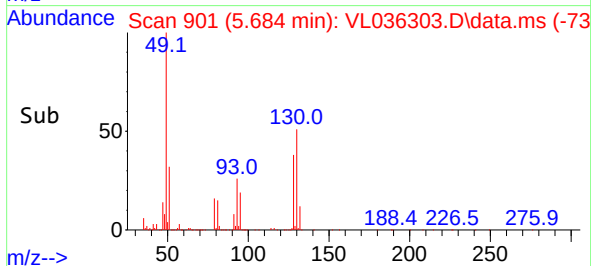
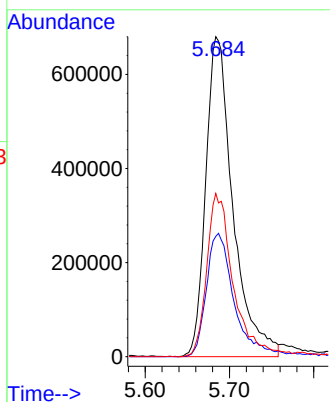


Tgt Ion: 49 Resp: 1523189

Ion	Ratio	Lower	Upper
49	100		
128	40.0	20.1	60.2
130	51.9	25.3	75.9

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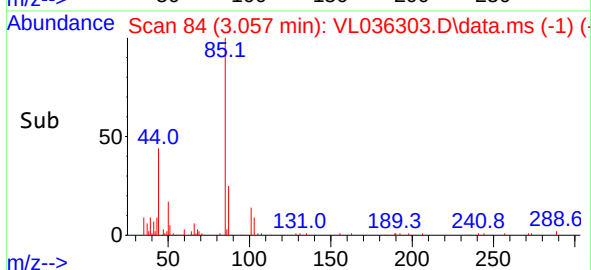
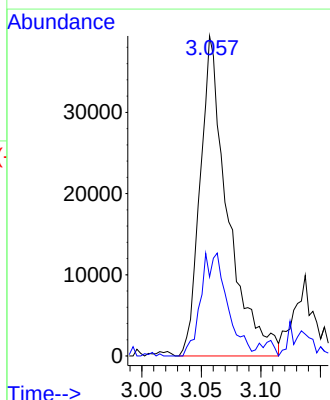
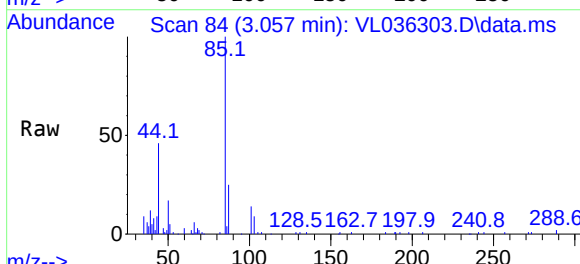
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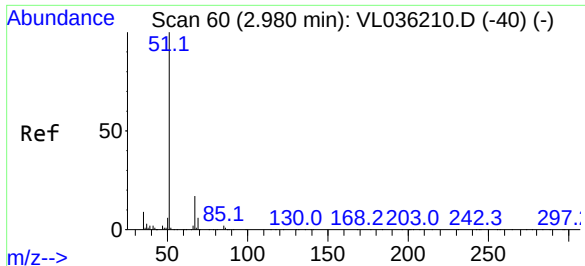


#2
Dichlorodifluoromethane
Concen: 0.31 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 85 Resp: 63239

Ion	Ratio	Lower	Upper
85	100		
87	24.7	26.4	39.6#





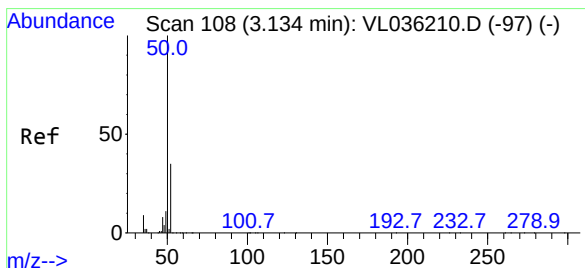
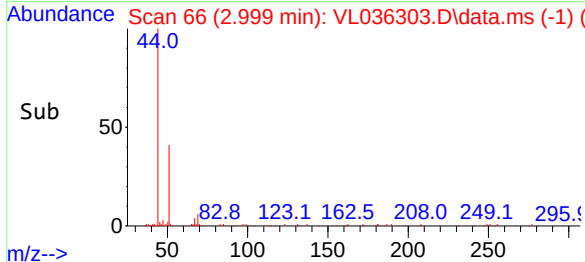
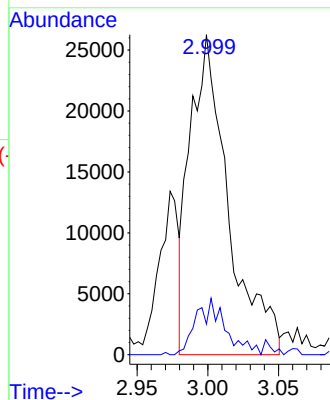
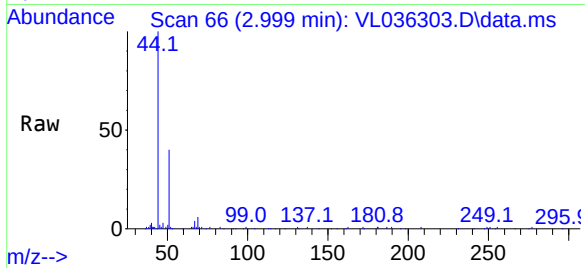
#3
Chlorodifluoromethane
Concen: 0.27 ppbv m
RT: 2.999 min Scan# 66
Delta R.T. 0.019 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 51 Resp: 49732
Ion Ratio Lower Upper
51 100
67 1.5 14.0 21.0#

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

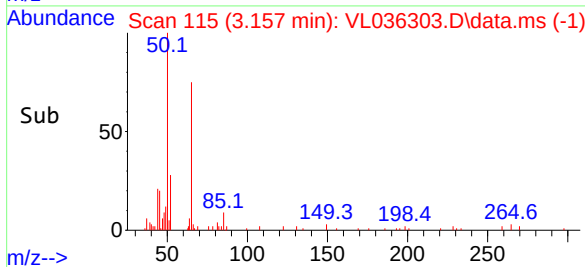
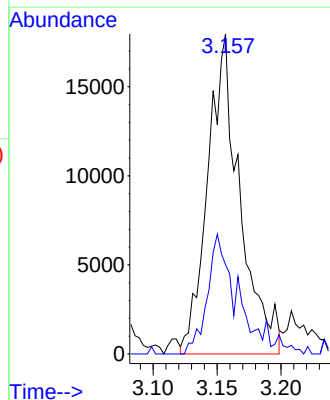
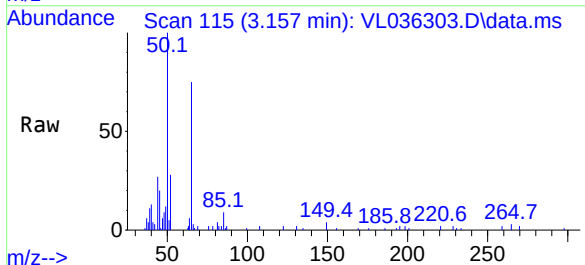
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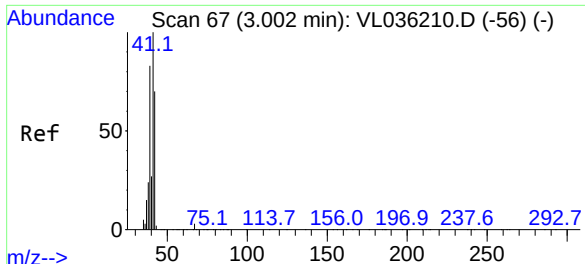
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#4
Chloromethane
Concen: 0.34 ppbv m
RT: 3.157 min Scan# 115
Delta R.T. 0.022 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 50 Resp: 31409
Ion Ratio Lower Upper
50 100
52 27.9 27.8 41.8





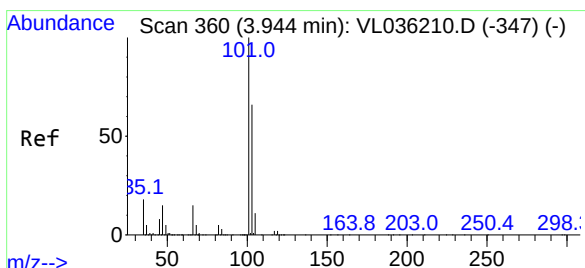
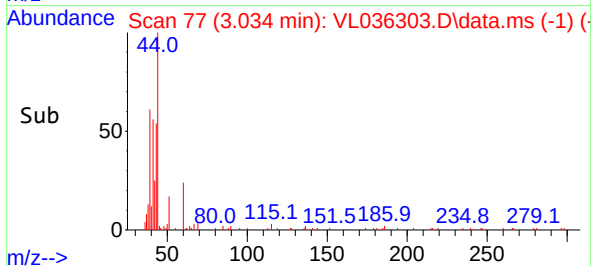
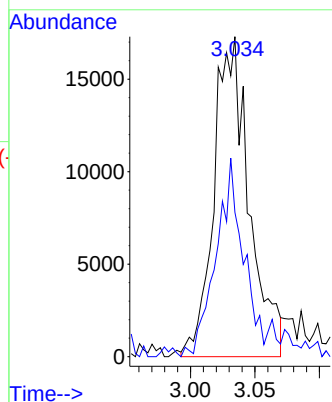
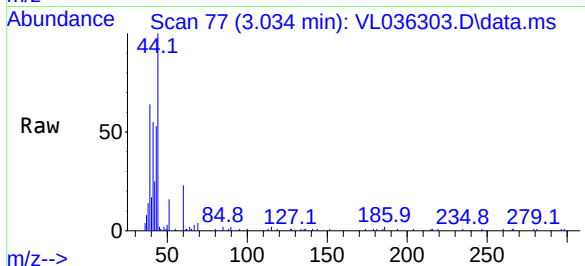
#9
Propene
Concen: 0.37 ppbv m
RT: 3.034 min Scan# 77
Delta R.T. 0.032 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 41 Resp: 32733
Ion Ratio Lower Upper
41 100
42 56.0 57.1 85.7#

Instrument :
MSVOA_L
ClientSampleId :
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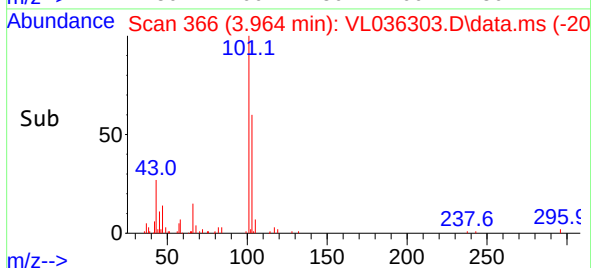
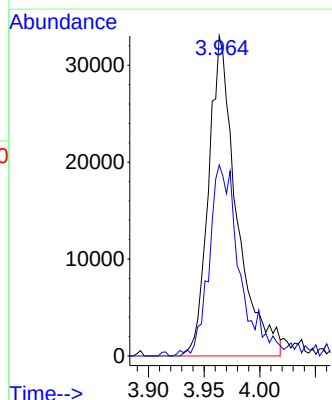
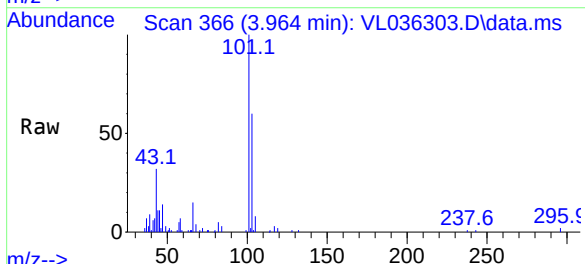
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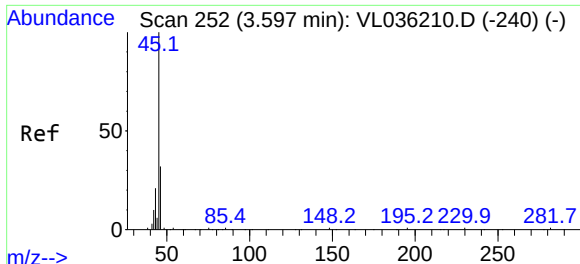
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#11
Trichlorofluoromethane
Concen: 0.28 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.019 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 101 Resp: 57878
Ion Ratio Lower Upper
101 100
103 58.0 52.6 78.8





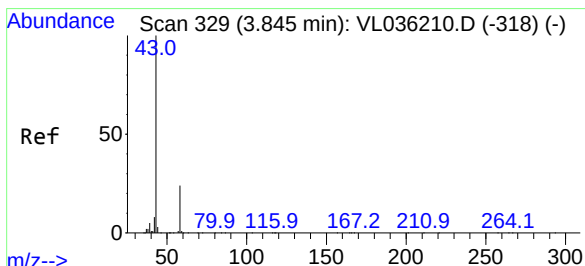
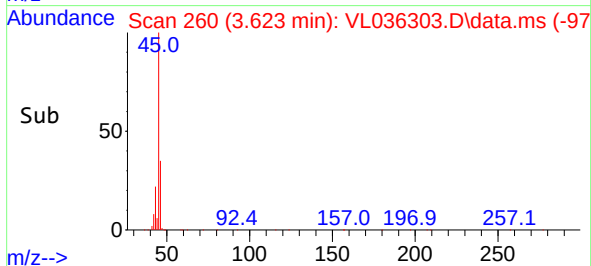
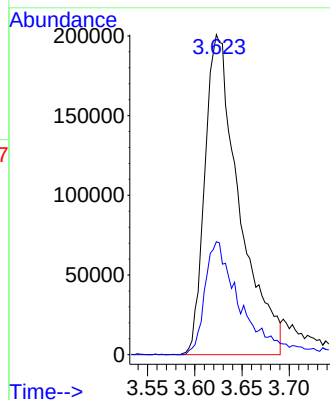
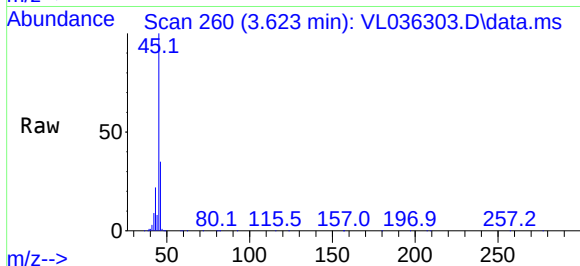
#13
Ethanol
Concen: 36.26 ppbv
RT: 3.623 min Scan# 260
Delta R.T. 0.026 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 45 Resp: 507172
Ion Ratio Lower Upper
45 100
46 37.8 19.2 77.0

Instrument :
MSVOA_L
ClientSampleId :
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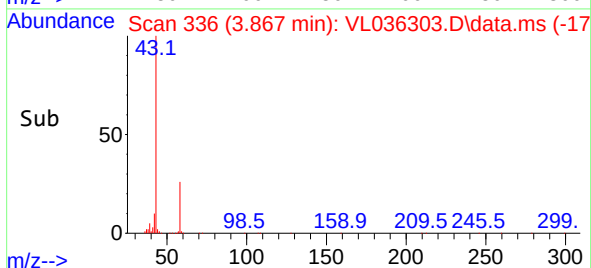
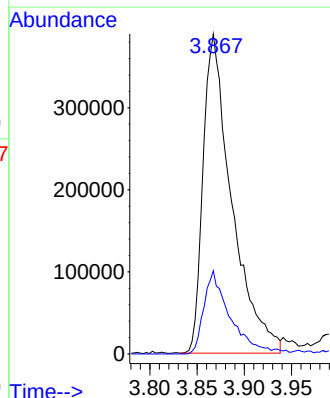
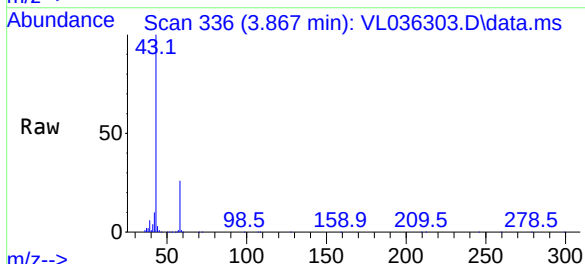
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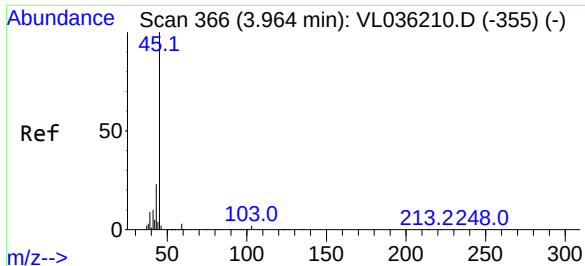
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#15
Acetone
Concen: 4.40 ppbv
RT: 3.867 min Scan# 336
Delta R.T. 0.022 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 43 Resp: 821692
Ion Ratio Lower Upper
43 100
58 23.9 20.9 31.3





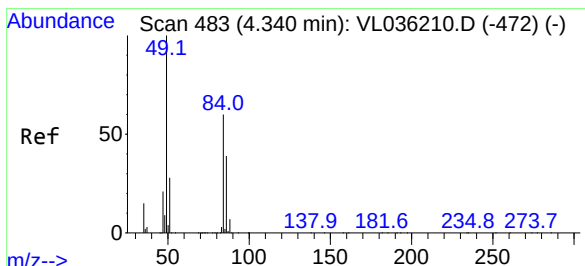
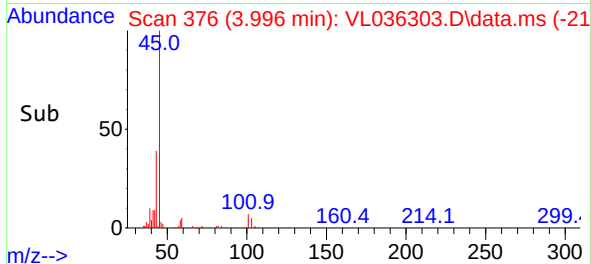
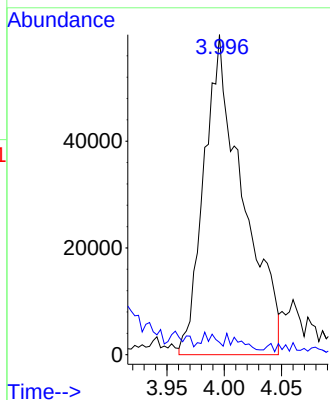
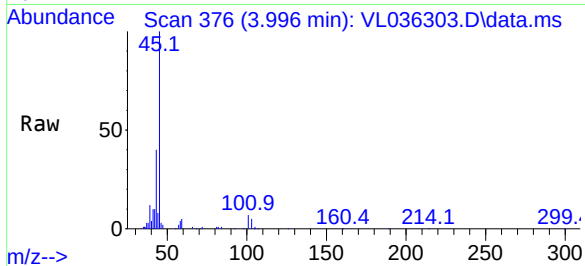
#19
Isopropyl Alcohol
Concen: 1.26 ppbv m
RT: 3.996 min Scan# 376
Delta R.T. 0.032 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 45 Resp: 141250
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

Instrument :
MSVOA_L
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SVE-EFFLUENT

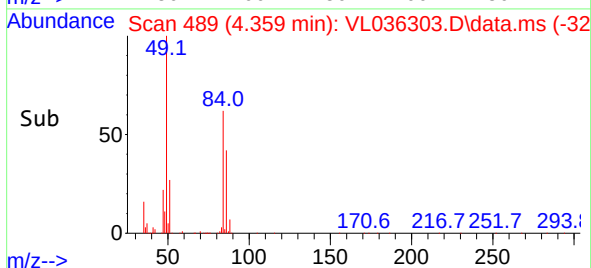
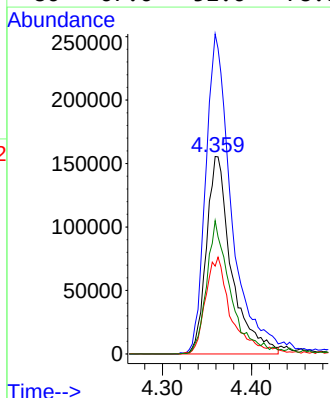
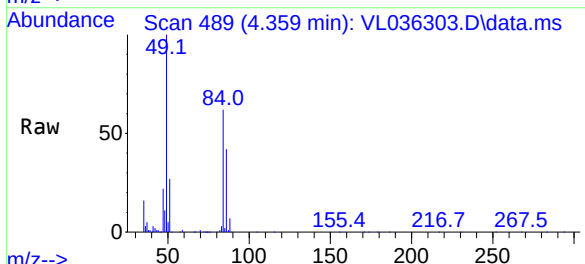
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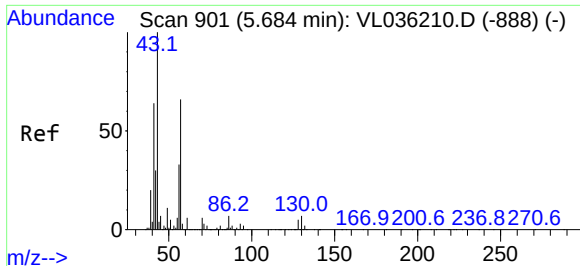
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#20
Methylene Chloride
Concen: 5.12 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.019 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

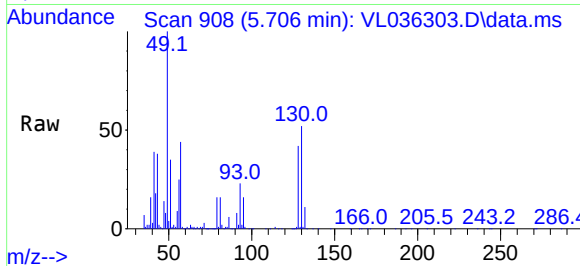
Tgt Ion: 84 Resp: 304546
Ion Ratio Lower Upper
84 100
49 162.1 134.1 201.1
51 44.3 37.4 56.0
86 67.6 52.6 78.8





#26
Hexane
Concen: 1.47 ppbv
RT: 5.706 min Scan# 908
Delta R.T. 0.022 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

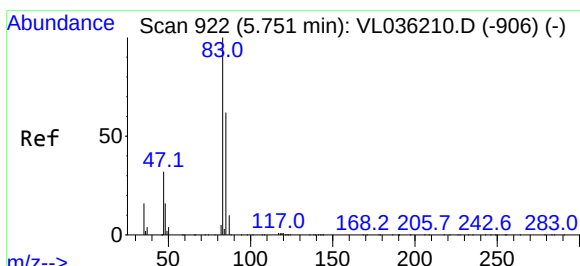
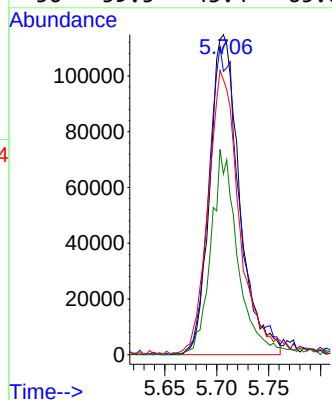
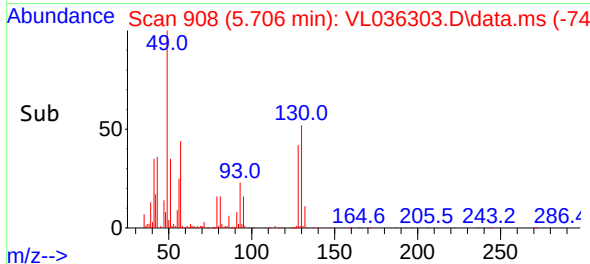
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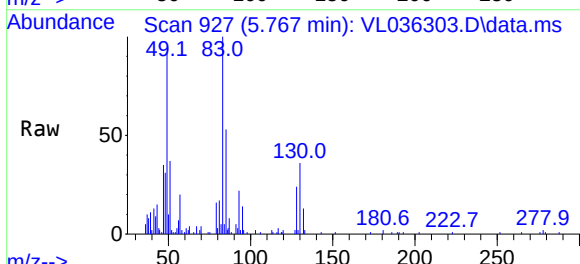
Tgt Ion: 57 Resp: 228660
Ion Ratio Lower Upper
57 100
41 103.3 83.0 124.6
43 95.7 202.4 303.6#
56 59.5 43.4 65.0

Manual Integrations
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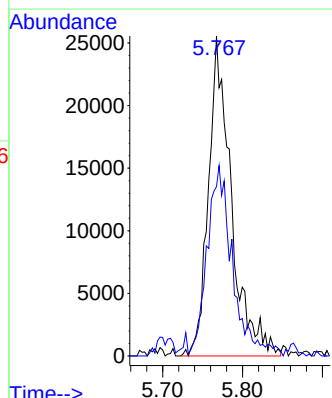
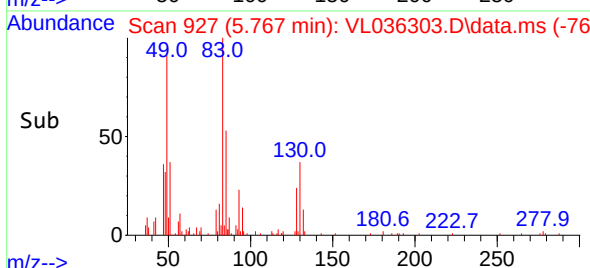
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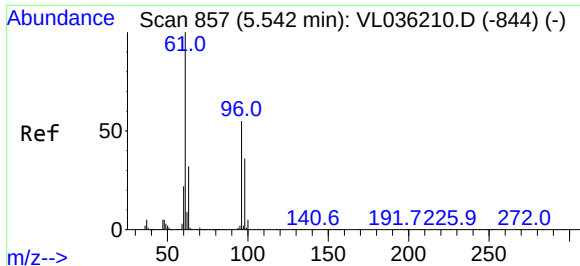


#29
Chloroform
Concen: 0.23 ppbv m
RT: 5.767 min Scan# 927
Delta R.T. 0.016 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13



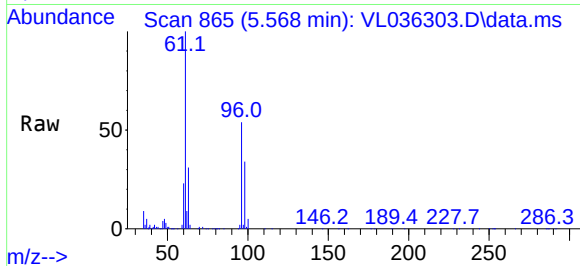
Tgt Ion: 83 Resp: 50890
Ion Ratio Lower Upper
83 100
85 52.9 49.3 73.9





#31
cis-1,2-Dichloroethene
Concen: 1.95 ppbv m
RT: 5.568 min Scan# 865
Delta R.T. 0.026 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

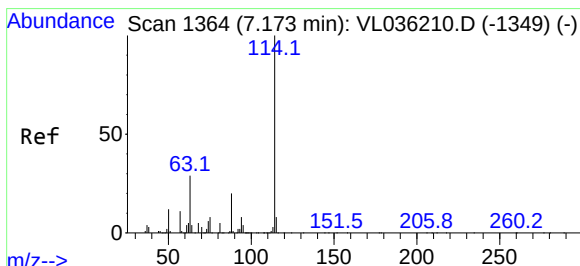
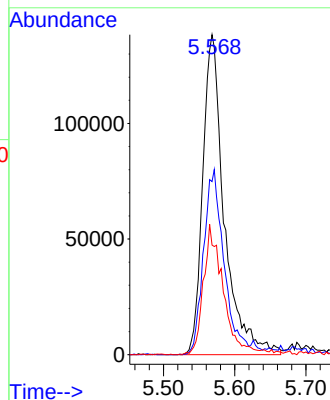
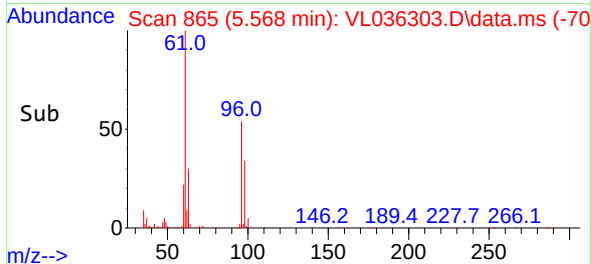
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SVE-EFFLUENT



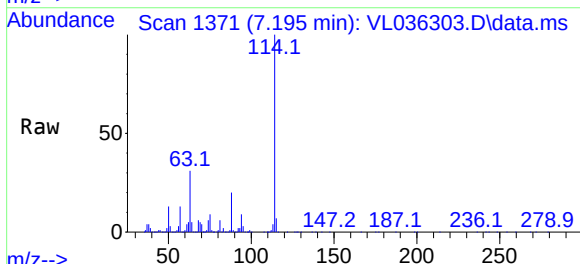
Tgt Ion: 61 Resp: 290146
Ion Ratio Lower Upper
61 100
96 54.1 44.1 66.1
98 34.3 28.6 42.8

Manual Integrations
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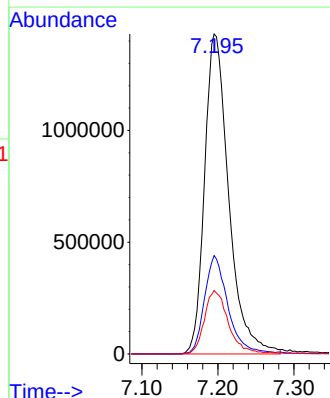
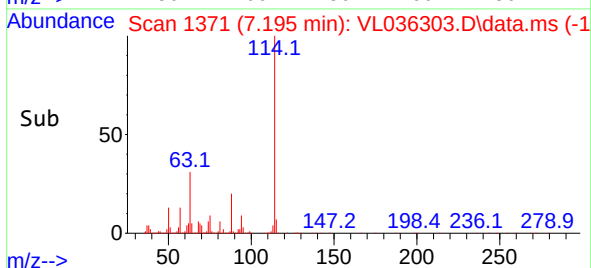
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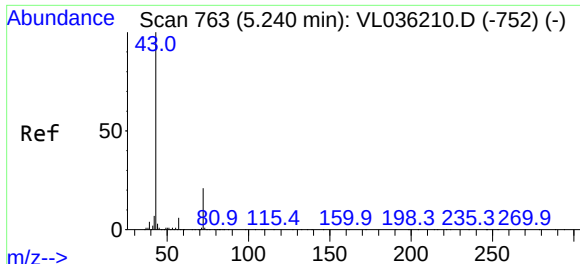


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.195 min Scan# 1371
Delta R.T. 0.022 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13



Tgt Ion: 114 Resp: 3160998
Ion Ratio Lower Upper
114 100
63 30.3 24.7 37.1
88 20.0 16.6 24.8





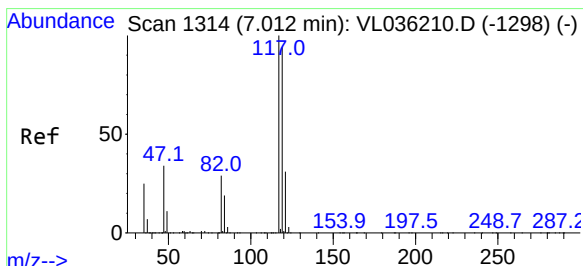
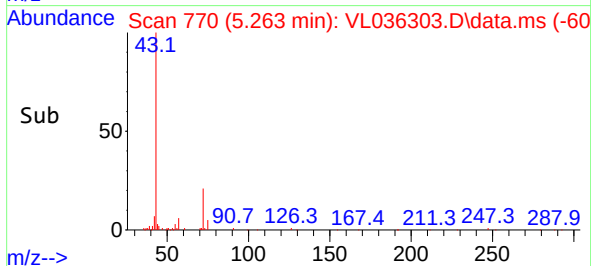
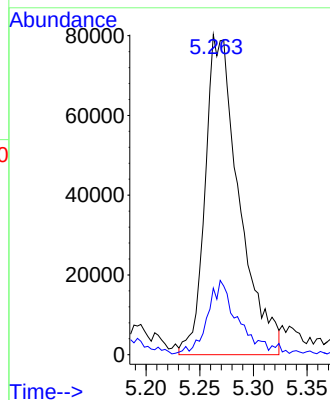
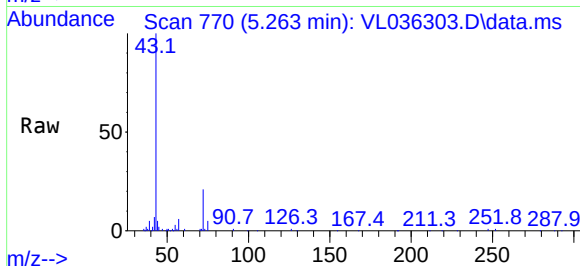
#34
2-Butanone
Concen: 0.76 ppbv m
RT: 5.263 min Scan# 770
Delta R.T. 0.022 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 43 Resp: 176693
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#

Instrument :
MSVOA_L
ClientSampleId :
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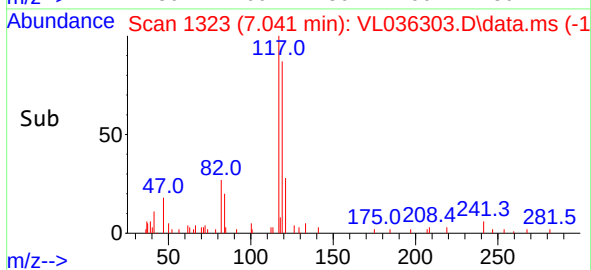
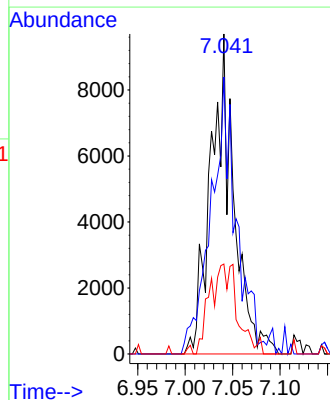
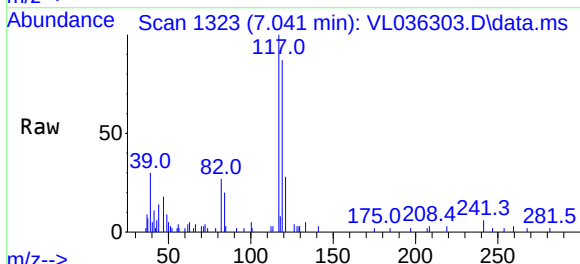
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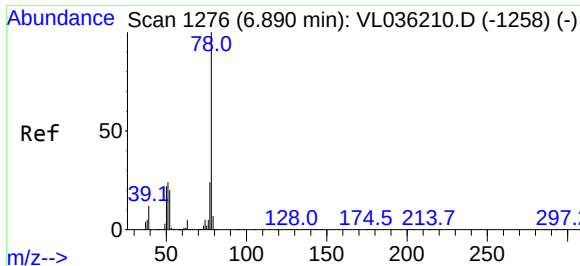
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#35
Carbon Tetrachloride
Concen: 0.08 ppbv m
RT: 7.041 min Scan# 1323
Delta R.T. 0.029 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 117 Resp: 16401
Ion Ratio Lower Upper
117 100
119 86.5 74.9 112.3
121 28.1 25.0 37.6





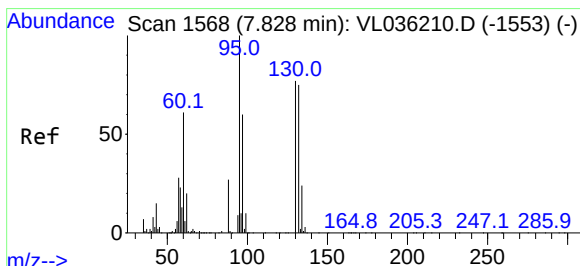
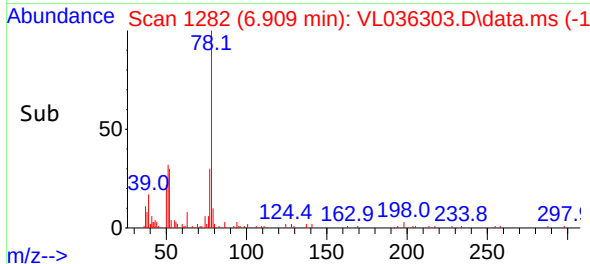
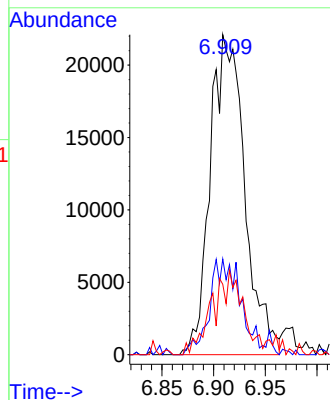
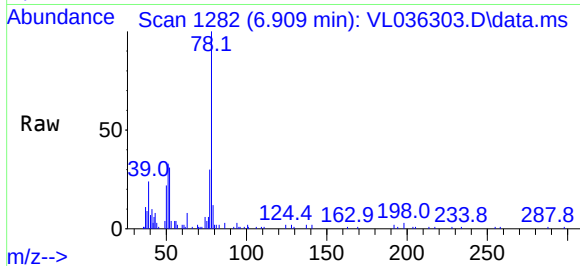
#36
Benzene
Concen: 0.18 ppbv m
RT: 6.909 min Scan# 1282
Delta R.T. 0.019 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tgt Ion: 78 Resp: 51366
Ion Ratio Lower Upper
78 100
77 29.9 19.4 29.0#
50 22.0 17.4 26.2

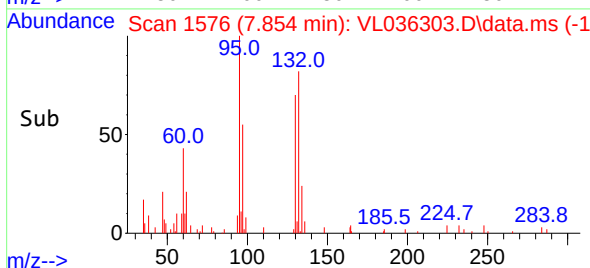
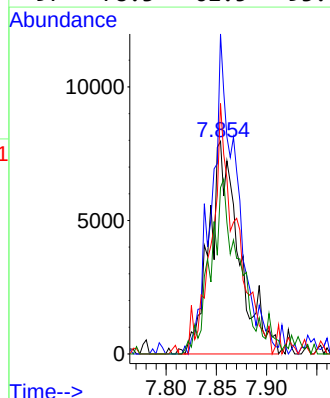
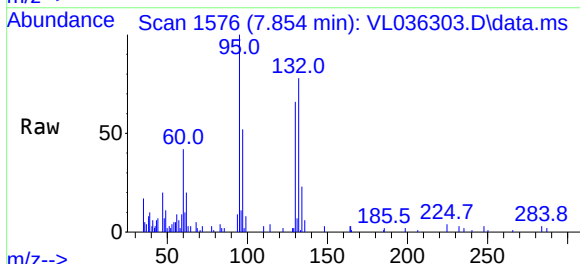
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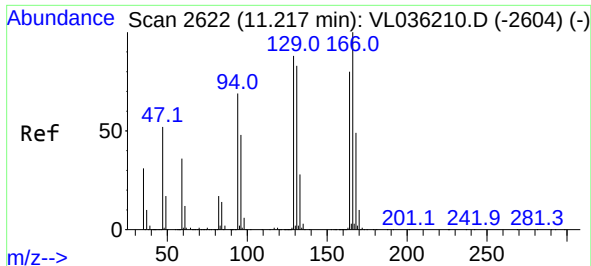
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#38
Trichloroethene
Concen: 0.15 ppbv m
RT: 7.854 min Scan# 1576
Delta R.T. 0.026 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 130 Resp: 16552
Ion Ratio Lower Upper
130 100
95 150.5 103.9 155.9
132 117.8 77.4 116.2#
97 78.3 62.5 93.7





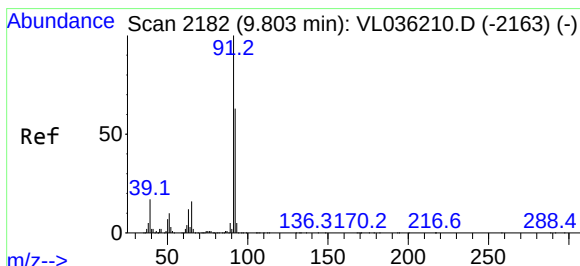
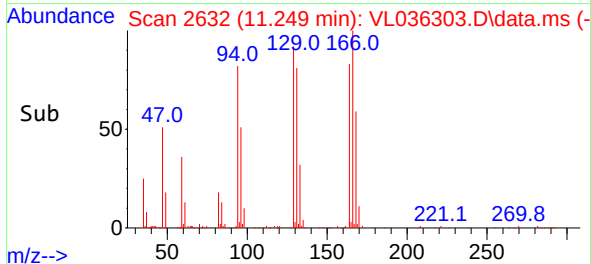
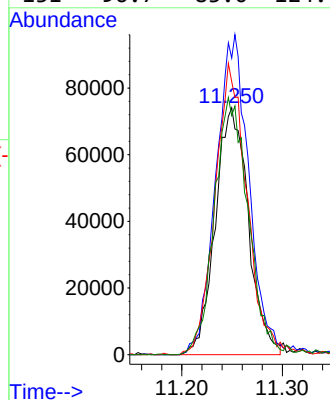
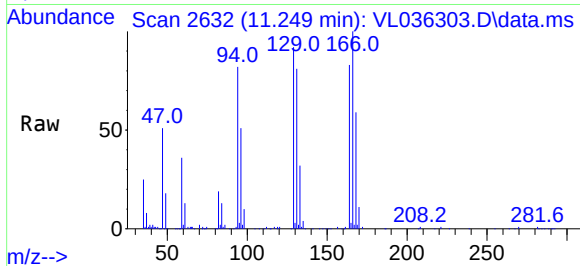
#52
Tetrachloroethene
Concen: 1.58 ppbv
RT: 11.249 min Scan# 2632
Delta R.T. 0.032 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion:	164	Resp:	168921
Ion	Ratio	Lower	Upper
164	100		
166	120.2	99.9	149.9
129	110.6	88.2	132.4
131	96.7	83.0	124.6

Instrument :
MSVOA_L
ClientSampleId :
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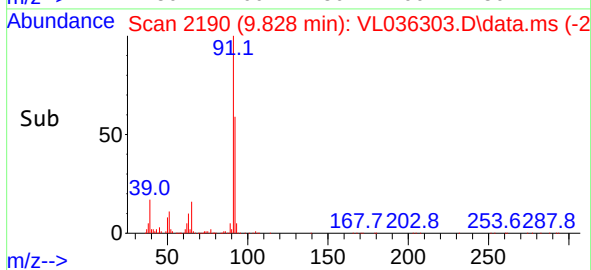
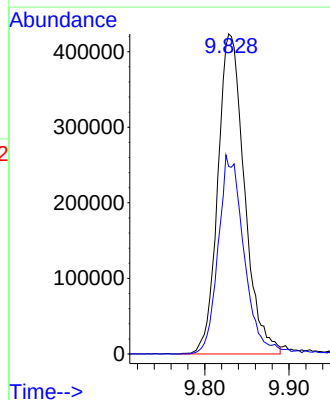
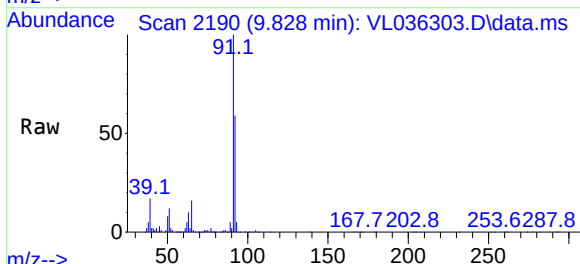
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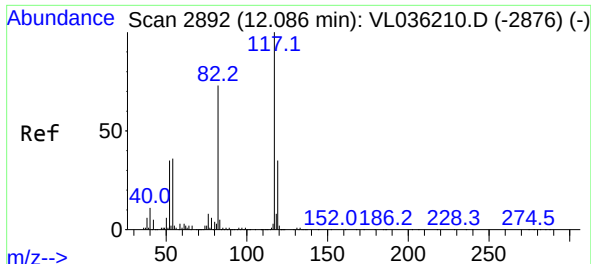
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#53
Toluene
Concen: 2.86 ppbv
RT: 9.828 min Scan# 2190
Delta R.T. 0.026 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion:	91	Resp:	926897
Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.5	72.7





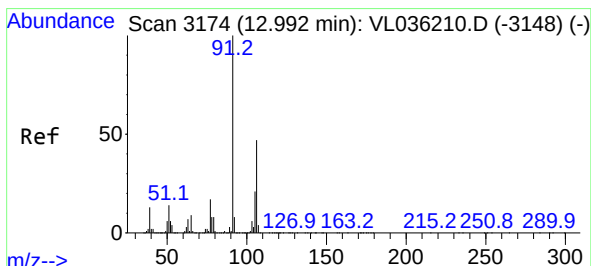
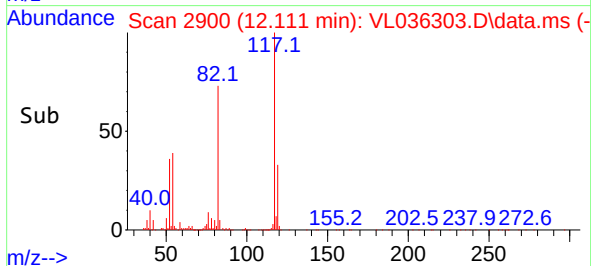
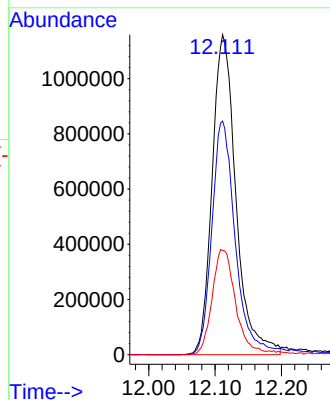
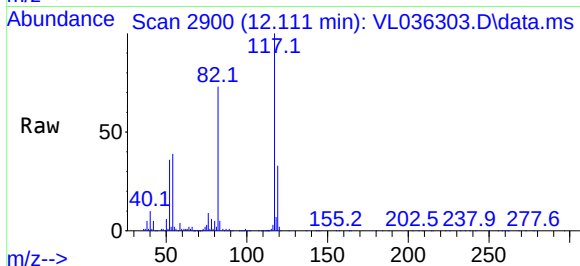
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.111 min Scan# 2900
Delta R.T. 0.026 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 117 Resp: 2891023
Ion Ratio Lower Upper
117 100
82 74.7 59.7 89.5
119 33.0 28.6 43.0

Instrument :
MSVOA_L
ClientSampleId :
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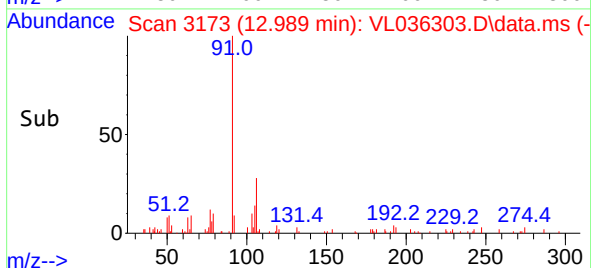
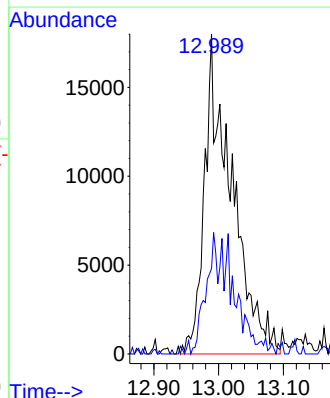
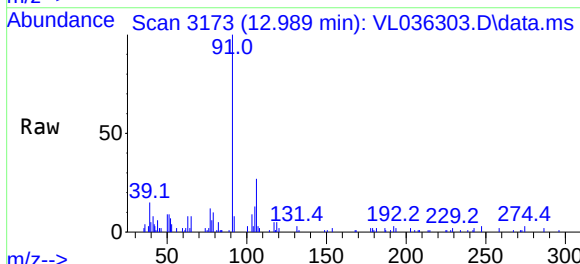
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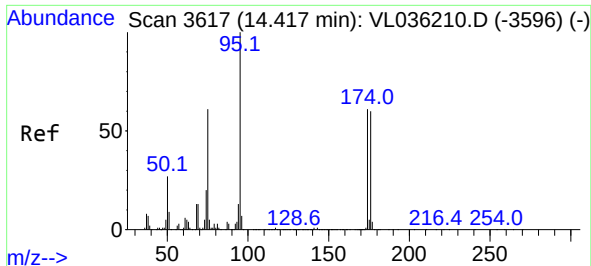
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#59
m/p-Xylene
Concen: 0.14 ppbv m
RT: 12.989 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL036303.D
Acq: 3 Feb 2021 21:13

Tgt Ion: 91 Resp: 52017
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.90 ppbv
 RT: 14.442 min Scan# 3625
 Delta R.T. 0.026 min
 Lab File: VL036303.D
 Acq: 3 Feb 2021 21:13

Tgt Ion: 95 Resp: 2369745

Ion	Ratio	Lower	Upper
95	100		
174	62.9	49.4	74.0
175	4.5	3.8	5.8

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Manual Integrations
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