

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036305.D
 Acq On : 3 Feb 2021 22:35
 Operator : SY/AP
 Sample : M1295-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INFLUENT

Manual Integrations
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 2/4/2021 5:19:14 PM

Quant Time: Feb 04 01:48:40 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	1535768	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.195	114	3238479	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.108	117	2903099	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.442	95	2392980	9.96	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.063	85	92530	0.45	ppbv	97
3) Chlorodifluoromethane	2.999	51	66095m	0.35	ppbv	
4) Chloromethane	3.153	50	29420	0.32	ppbv	90
9) Propene	3.028	41	47117m	0.52	ppbv	
11) Trichlorofluoromethane	3.964	101	75254m	0.36	ppbv	
13) Ethanol	3.623	45	420758	29.83	ppbv	87
15) Acetone	3.867	43	613608	3.26	ppbv	98
19) Isopropyl Alcohol	3.996	45	147919m	1.30	ppbv	
20) Methylene Chloride	4.359	84	134442m	2.24	ppbv	
26) Hexane	5.706	57	103147	0.66	ppbv #	60
29) Chloroform	5.771	83	31619m	0.14	ppbv	
31) cis-1,2-Dichloroethene	5.568	61	232006	1.54	ppbv	96
32) 1,1,1-Trichloroethane	6.529	97	55642	0.26	ppbv #	84
34) 2-Butanone	5.275	43	129273	0.54	ppbv	96
35) Carbon Tetrachloride	7.037	117	19976m	0.10	ppbv	
36) Benzene	6.909	78	61341	0.21	ppbv	98
38) Trichloroethene	7.861	130	197128m	1.79	ppbv	
52) Tetrachloroethene	11.249	164	2485482	22.73	ppbv	98
53) Toluene	9.828	91	1112514	3.35	ppbv	99
59) m/p-Xylene	12.992	91	53121m	0.14	ppbv	

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

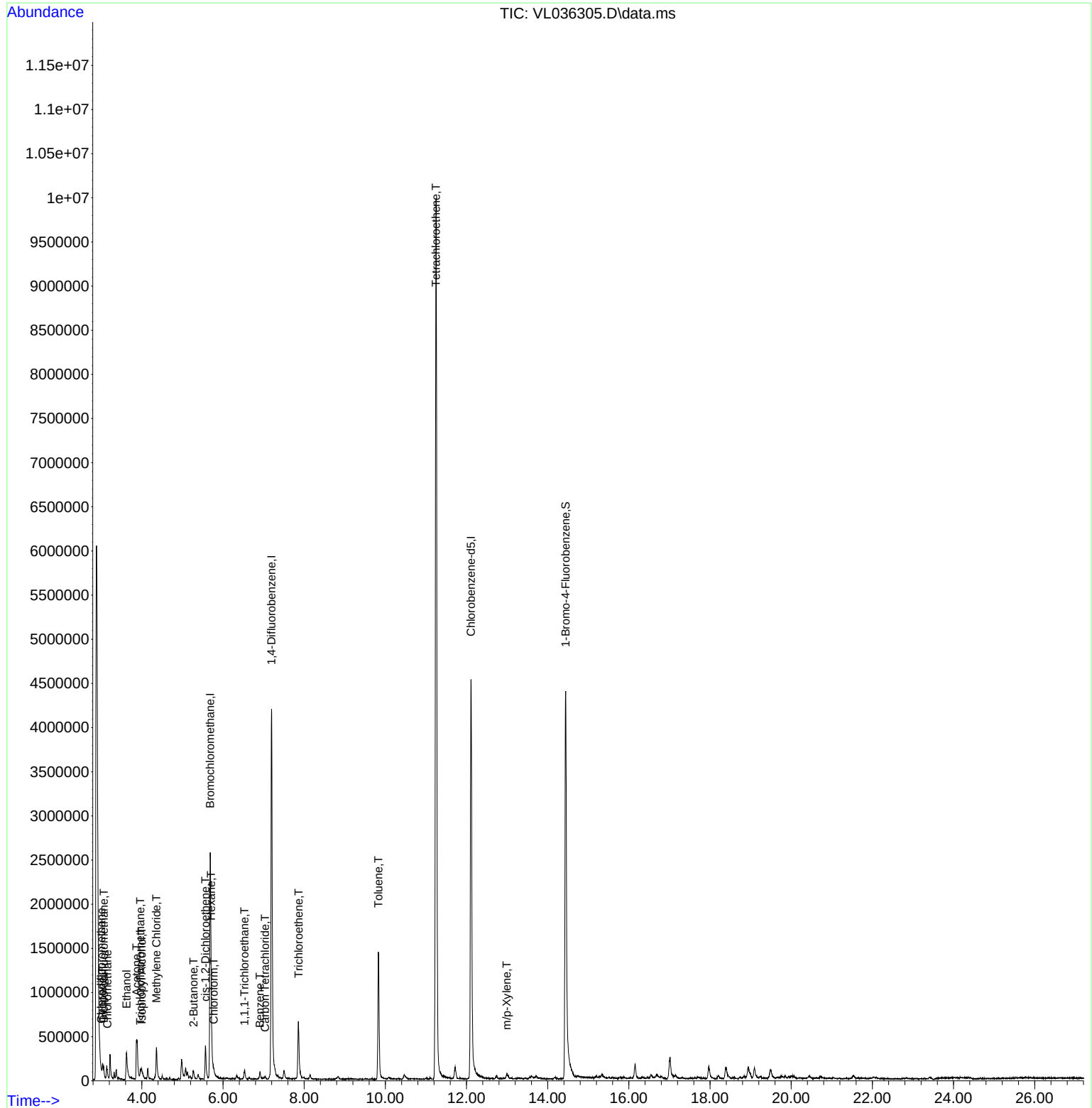
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
Data File : VL036305.D
Acq On : 3 Feb 2021 22:35
Operator : SY/AP
Sample : M1295-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

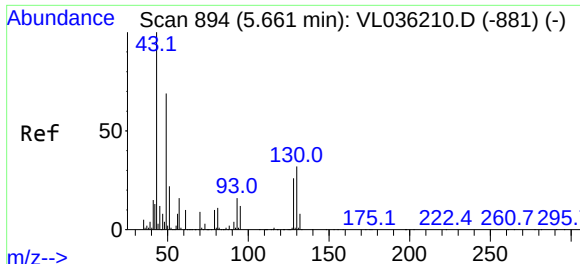
Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

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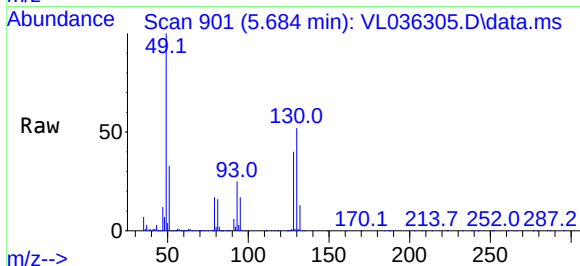
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

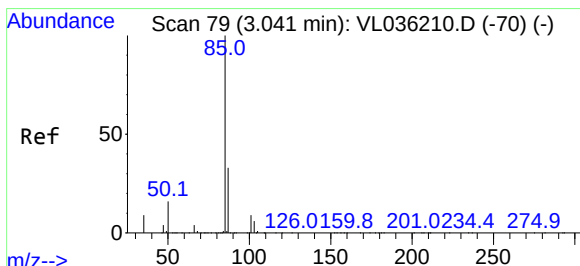
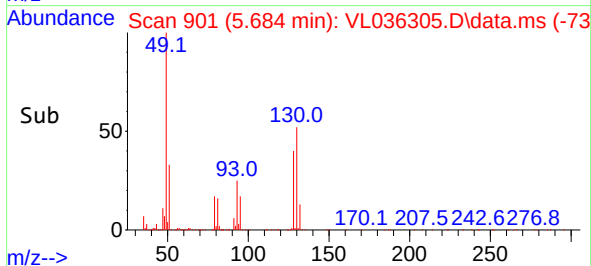
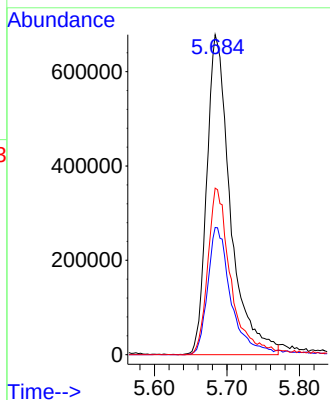


Tgt Ion: 49 Resp: 1535768

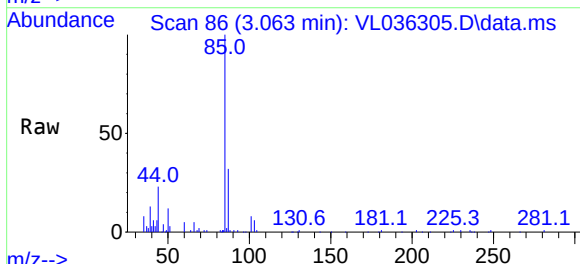
Ion	Ratio	Lower	Upper
49	100		
128	40.5	20.1	60.2
130	52.3	25.3	75.9

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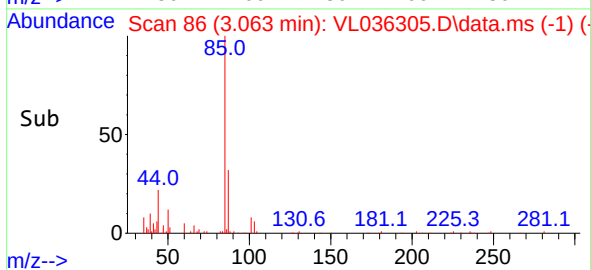
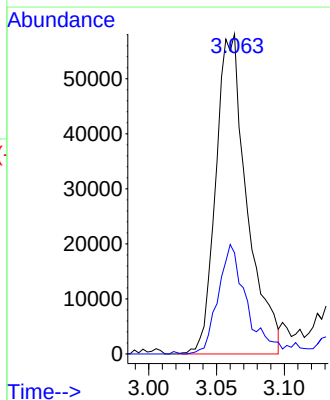


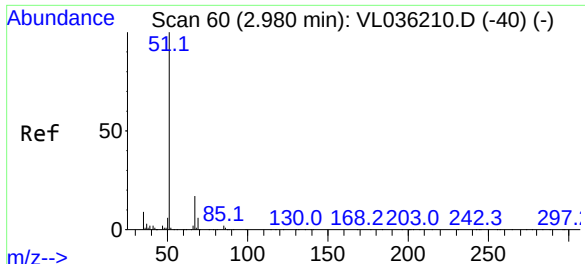
#2
Dichlorodifluoromethane
Concen: 0.45 ppbv
RT: 3.063 min Scan# 86
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35



Tgt Ion: 85 Resp: 92530

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.4	39.6





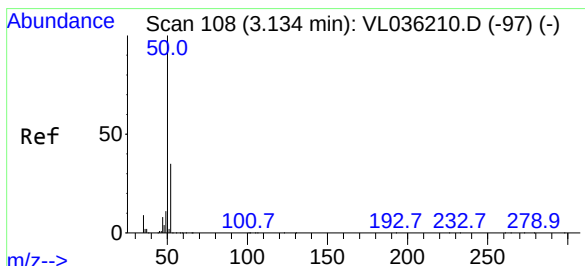
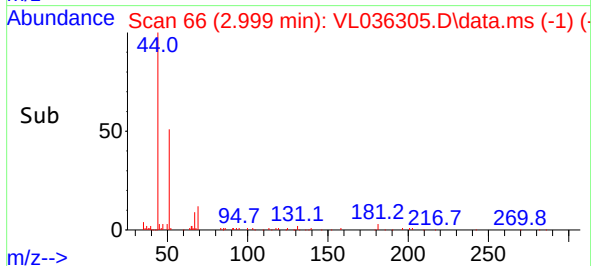
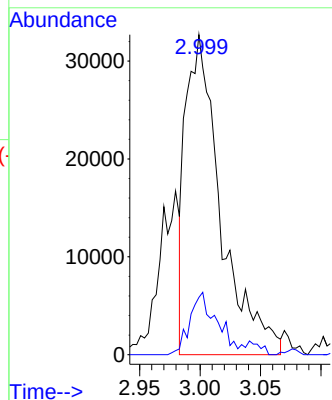
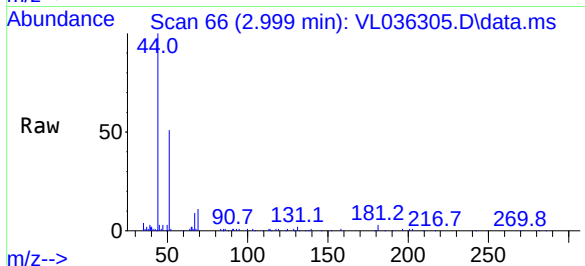
#3
Chlorodifluoromethane
Concen: 0.35 ppbv m
RT: 2.999 min Scan# 66
Delta R.T. 0.019 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 51 Resp: 66095
Ion Ratio Lower Upper
51 100
67 16.9 14.0 21.0

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

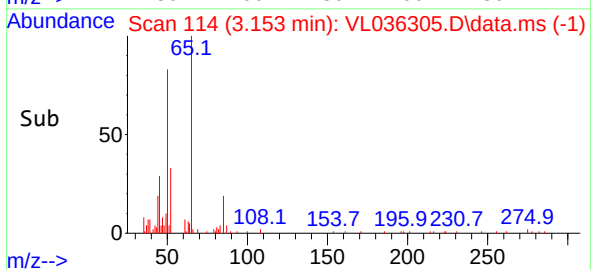
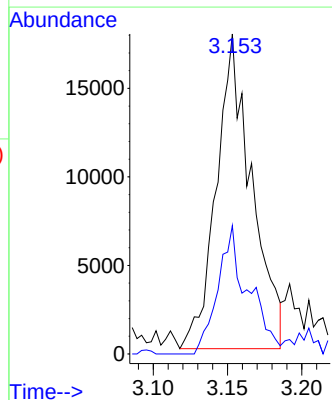
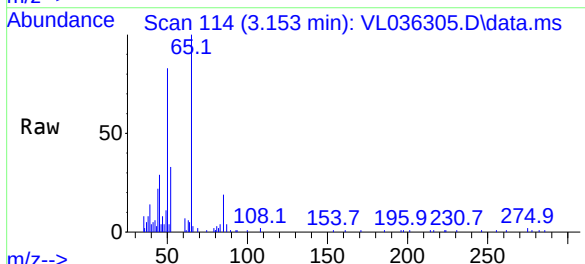
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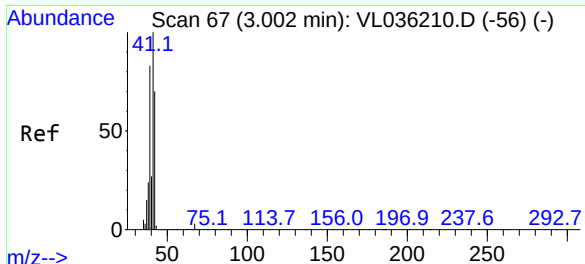
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#4
Chloromethane
Concen: 0.32 ppbv
RT: 3.153 min Scan# 114
Delta R.T. 0.019 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 50 Resp: 29420
Ion Ratio Lower Upper
50 100
52 40.8 27.8 41.8





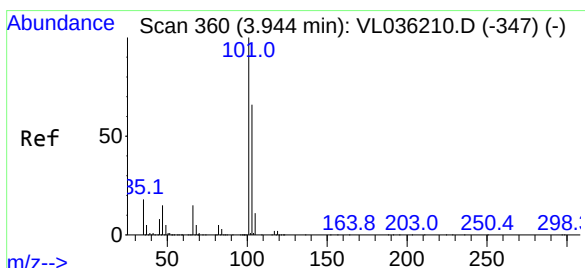
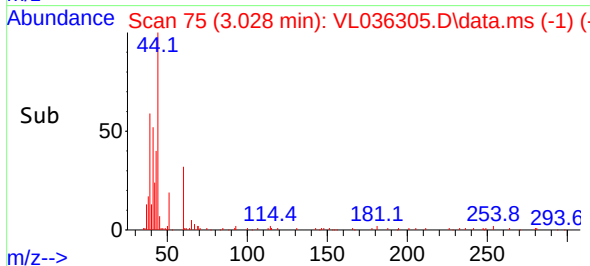
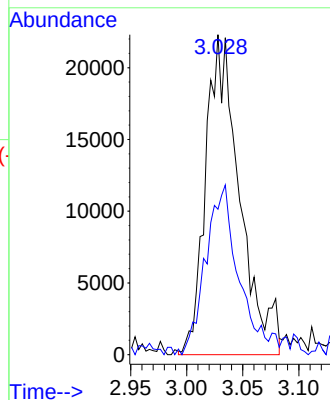
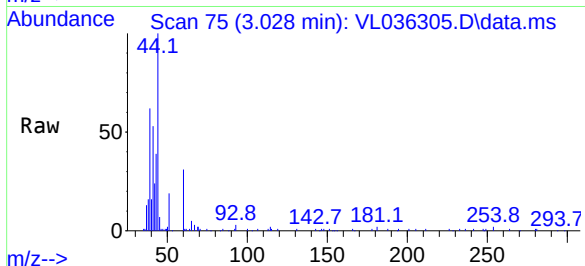
#9
Propene
Concen: 0.52 ppbv m
RT: 3.028 min Scan# 75
Delta R.T. 0.026 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 41 Resp: 47117
Ion Ratio Lower Upper
41 100
42 0.0 57.1 85.7#

Instrument :
MSVOA_L
ClientSampled :
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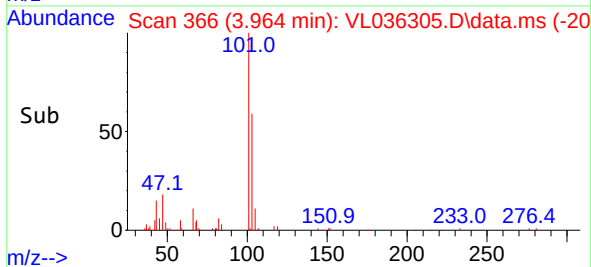
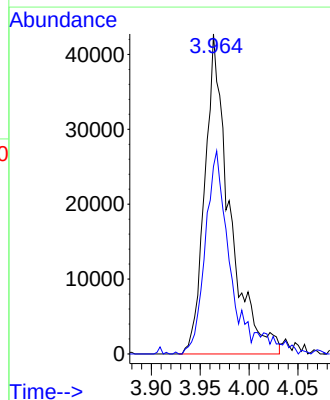
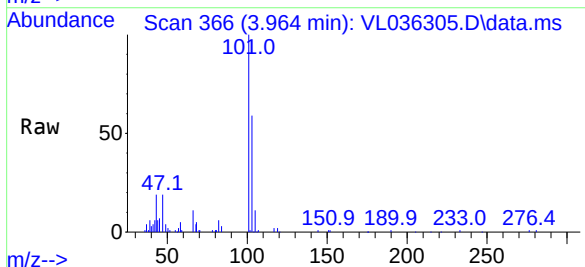
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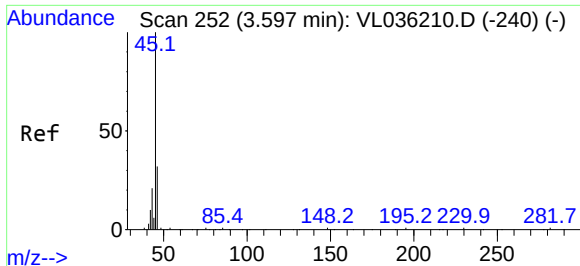
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#11
Trichlorofluoromethane
Concen: 0.36 ppbv m
RT: 3.964 min Scan# 366
Delta R.T. 0.019 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 101 Resp: 75254
Ion Ratio Lower Upper
101 100
103 58.6 52.6 78.8





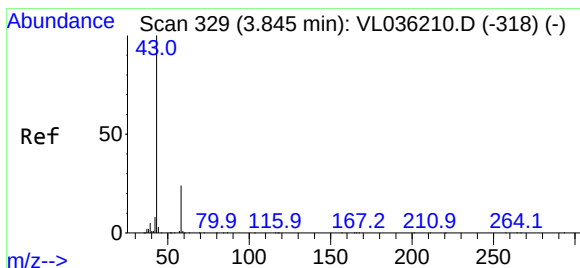
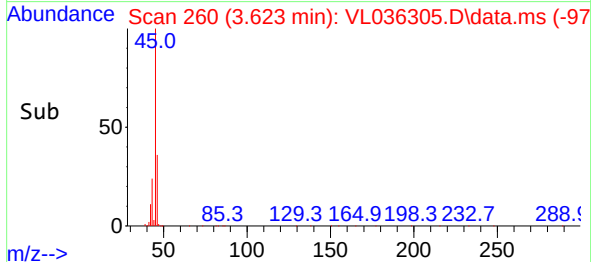
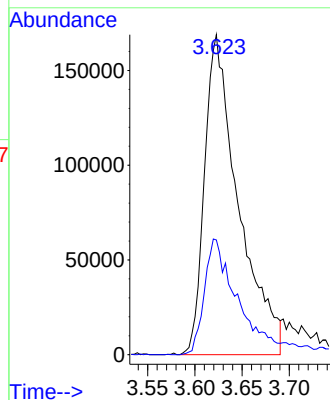
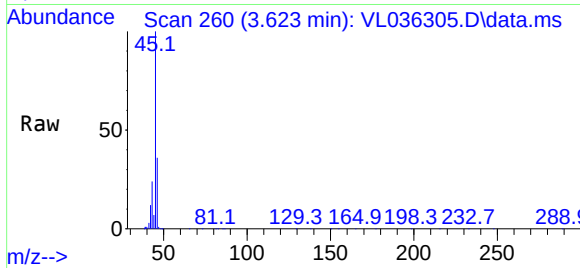
#13
Ethanol
Concen: 29.83 ppbv
RT: 3.623 min Scan# 260
Delta R.T. 0.026 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 45 Resp: 420758
Ion Ratio Lower Upper
45 100
46 39.2 19.2 77.0

Instrument :
MSVOA_L
ClientSampleId :
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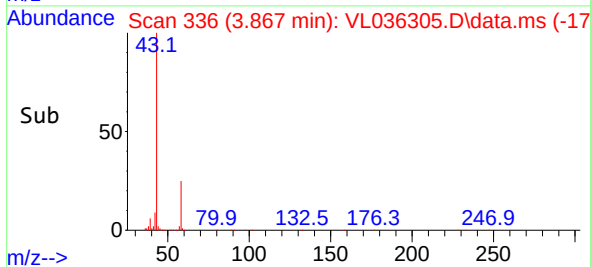
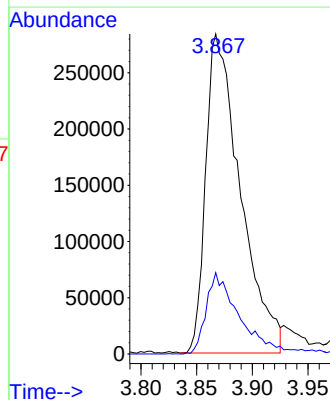
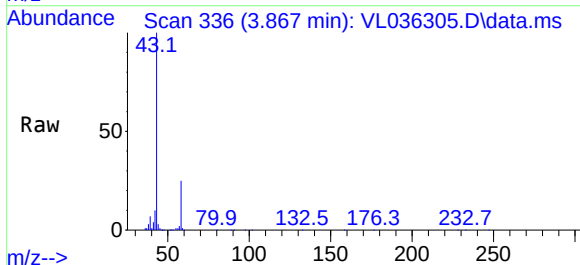
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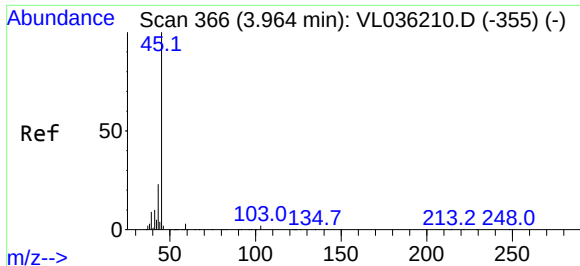
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#15
Acetone
Concen: 3.26 ppbv
RT: 3.867 min Scan# 336
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

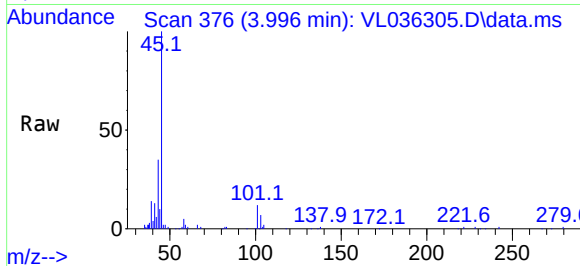
Tgt Ion: 43 Resp: 613608
Ion Ratio Lower Upper
43 100
58 25.0 20.9 31.3





#19
Isopropyl Alcohol
Concen: 1.30 ppbv m
RT: 3.996 min Scan# 376
Delta R.T. 0.032 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

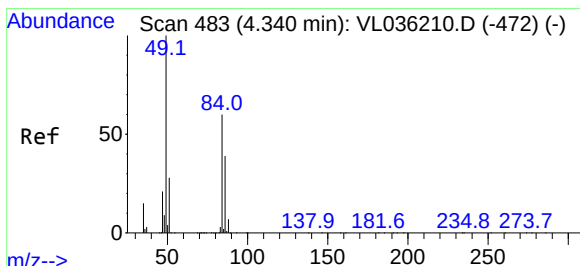
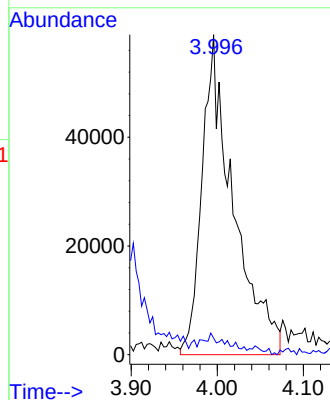
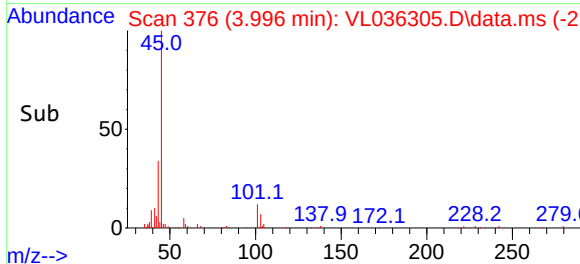
Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT



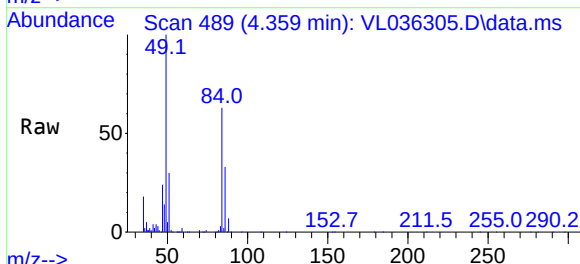
Tgt Ion: 45 Resp: 147919
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

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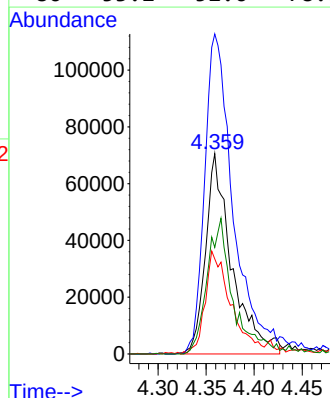
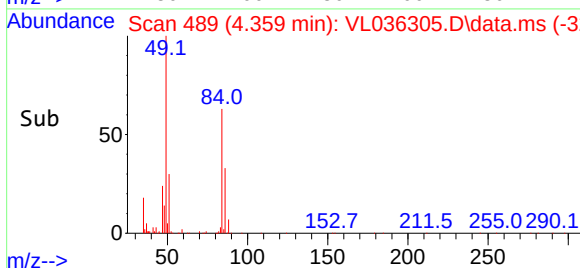
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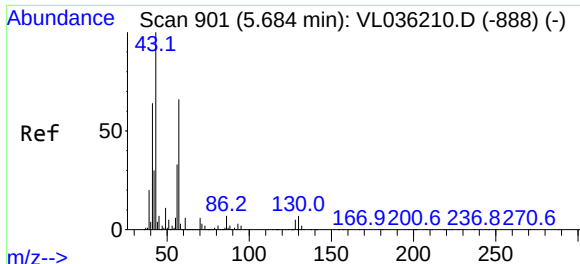


#20
Methylene Chloride
Concen: 2.24 ppbv m
RT: 4.359 min Scan# 489
Delta R.T. 0.019 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35



Tgt Ion: 84 Resp: 134442
Ion Ratio Lower Upper
84 100
49 159.7 134.1 201.1
51 47.4 37.4 56.0
86 53.2 52.6 78.8





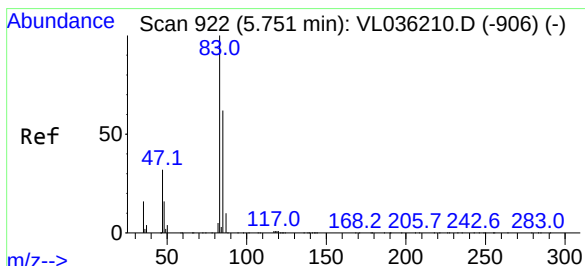
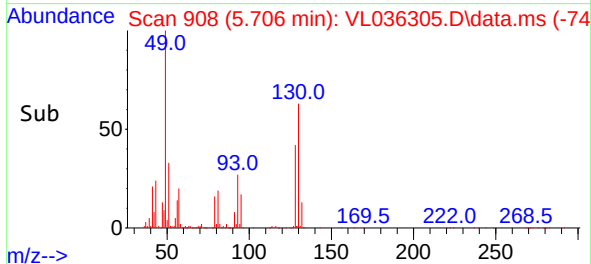
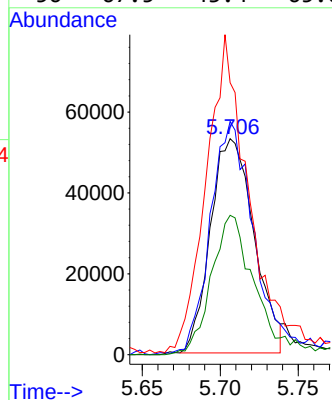
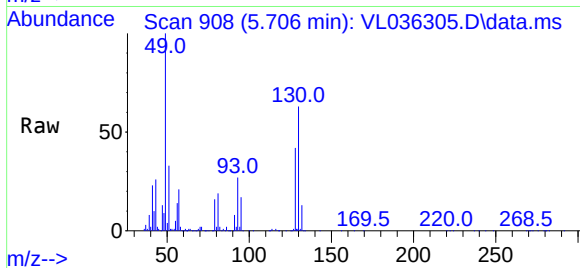
#26
Hexane
Concen: 0.66 ppbv
RT: 5.706 min Scan# 908
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion:	57	Resp:	103147
Ion	Ratio	Lower	Upper
57	100		
41	114.4	83.0	124.6
43	152.7	202.4	303.6#
56	67.5	43.4	65.0#

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

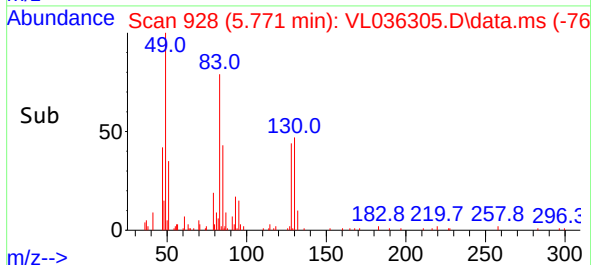
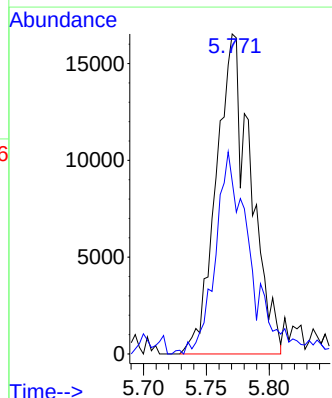
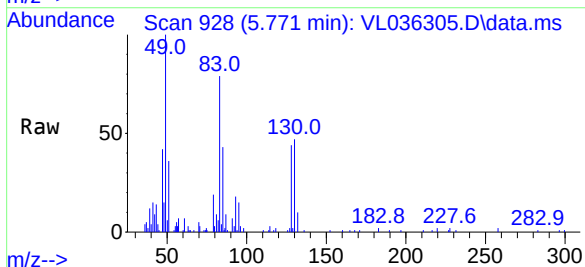
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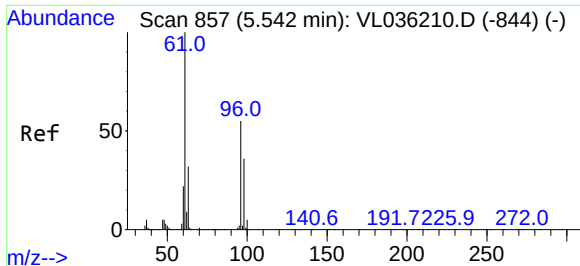
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#29
Chloroform
Concen: 0.14 ppbv m
RT: 5.771 min Scan# 928
Delta R.T. 0.019 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion:	83	Resp:	31619
Ion	Ratio	Lower	Upper
83	100		
85	54.0	49.3	73.9





#31
cis-1,2-Dichloroethene
Concen: 1.54 ppbv
RT: 5.568 min Scan# 865
Delta R.T. 0.026 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

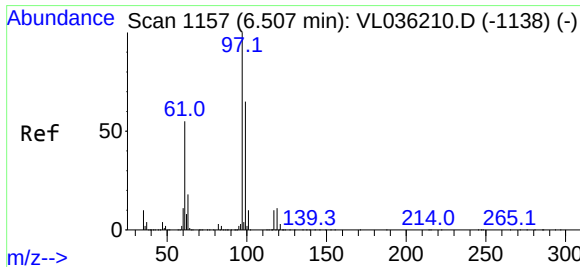
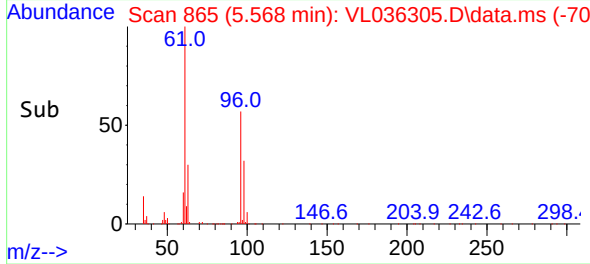
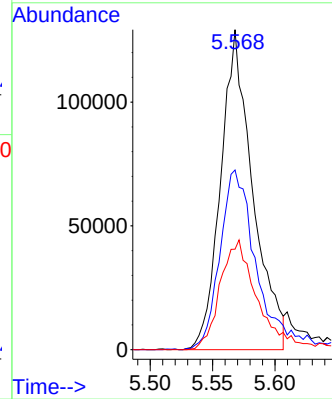
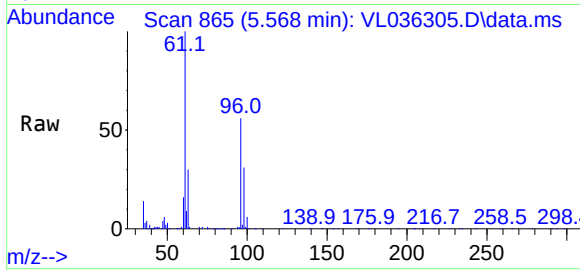
Tgt Ion: 61 Resp: 232006

Ion	Ratio	Lower	Upper
61	100		
96	56.2	44.1	66.1
98	31.4	28.6	42.8

Instrument :
MSVOA_L
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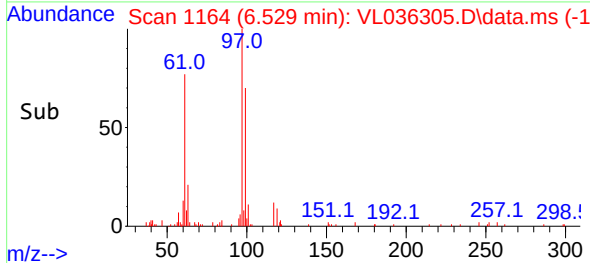
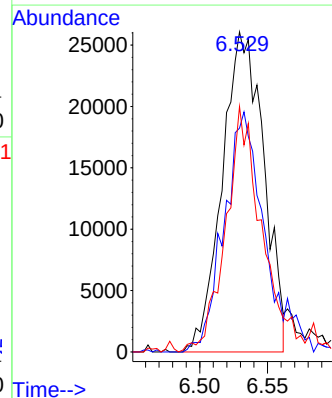
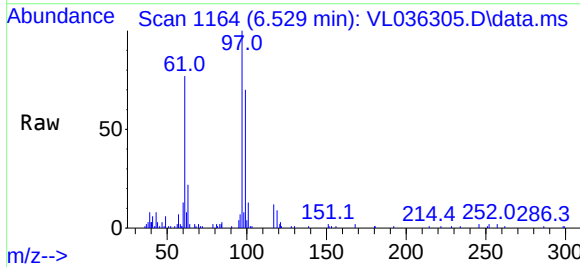
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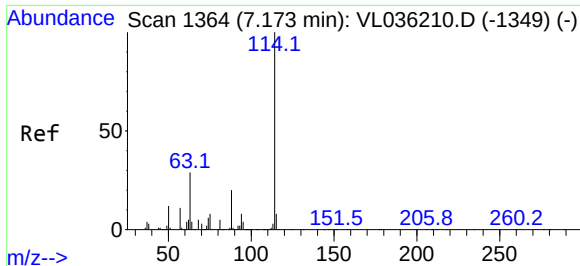


#32
1,1,1-Trichloroethane
Concen: 0.26 ppbv
RT: 6.529 min Scan# 1164
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 97 Resp: 55642

Ion	Ratio	Lower	Upper
97	100		
99	74.4	52.0	78.0
61	69.9	43.6	65.4





#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.195 min Scan# 1371
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

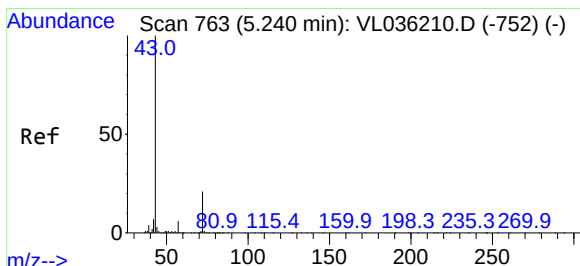
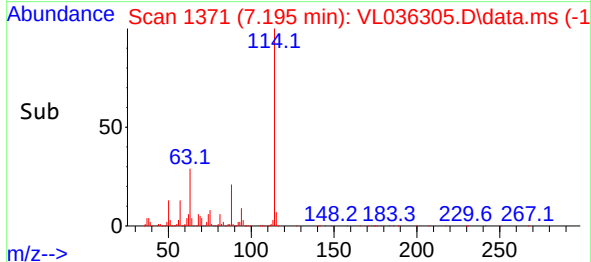
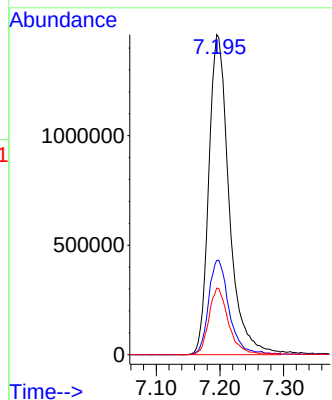
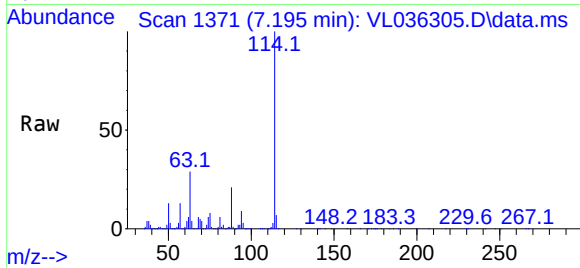
Tgt Ion: 114 Resp: 3238479

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.7	37.1
88	20.6	16.6	24.8

Instrument :
MSVOA_L
ClientSampleId :
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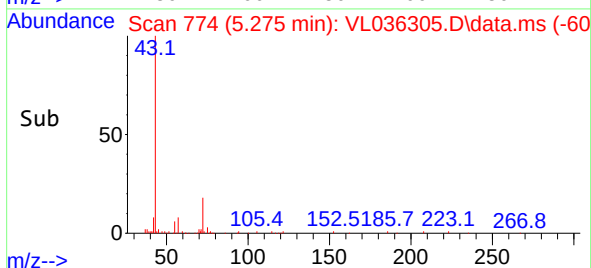
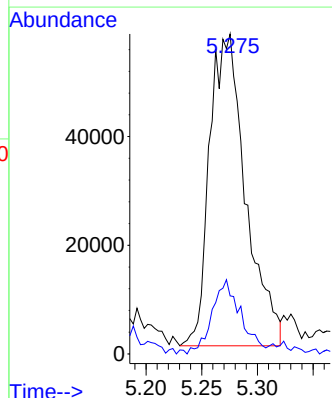
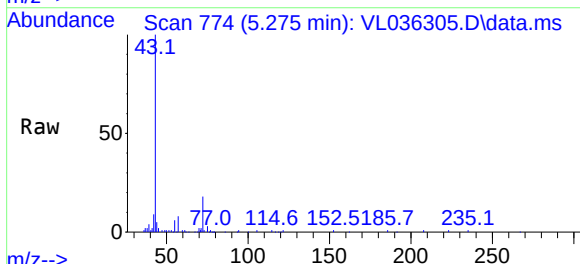
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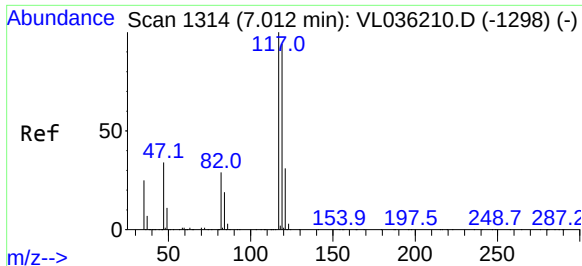


#34
2-Butanone
Concen: 0.54 ppbv
RT: 5.275 min Scan# 774
Delta R.T. 0.035 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 43 Resp: 129273

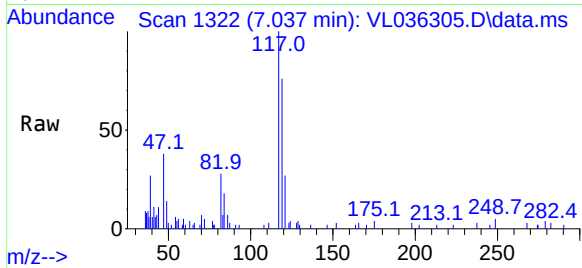
Ion	Ratio	Lower	Upper
43	100		
72	22.0	16.1	24.1





#35
Carbon Tetrachloride
Concen: 0.10 ppbv m
RT: 7.037 min Scan# 1322
Delta R.T. 0.026 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

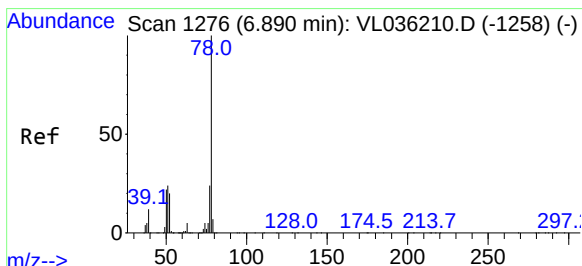
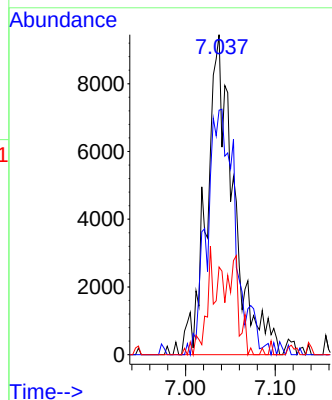
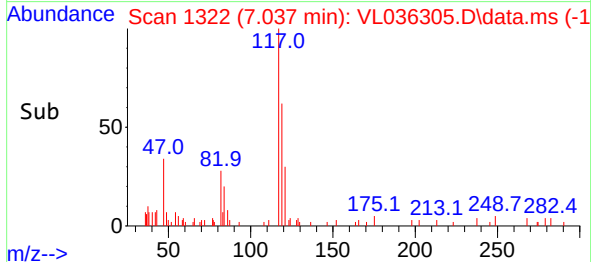
Instrument :
MSVOA_L
ClientSampled :
SVE-INFLUENT



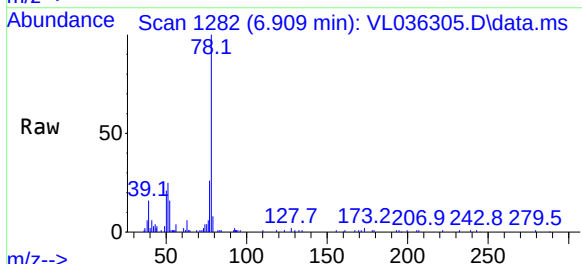
Tgt Ion: 117 Resp: 19976
Ion Ratio Lower Upper
117 100
119 76.4 74.9 112.3
121 27.4 25.0 37.6

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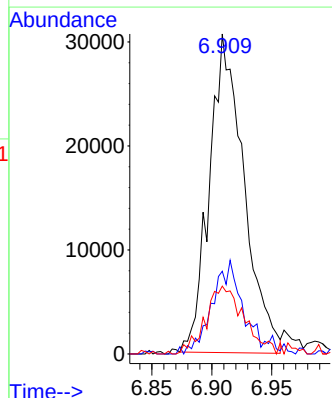
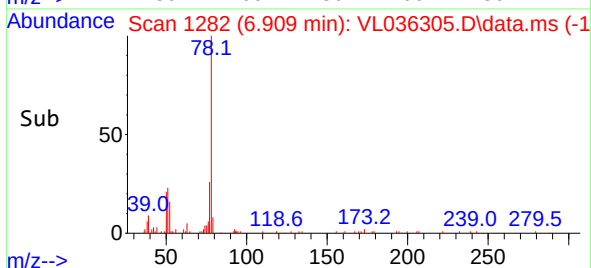
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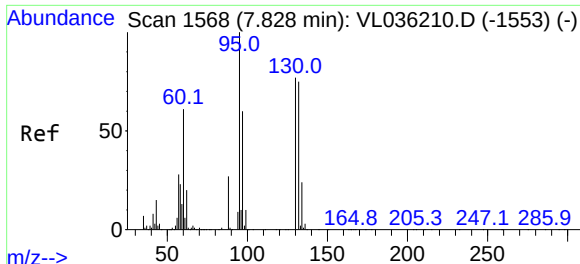


#36
Benzene
Concen: 0.21 ppbv
RT: 6.909 min Scan# 1282
Delta R.T. 0.019 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35



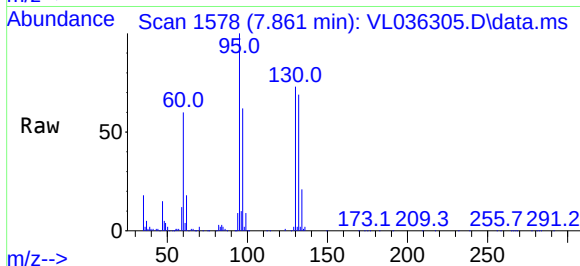
Tgt Ion: 78 Resp: 61341
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.0
50 20.8 17.4 26.2





#38
Trichloroethene
Concen: 1.79 ppbv m
RT: 7.861 min Scan# 1578
Delta R.T. 0.032 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

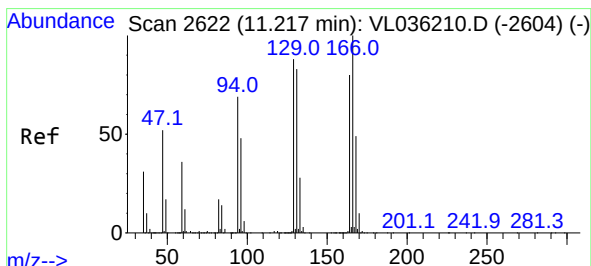
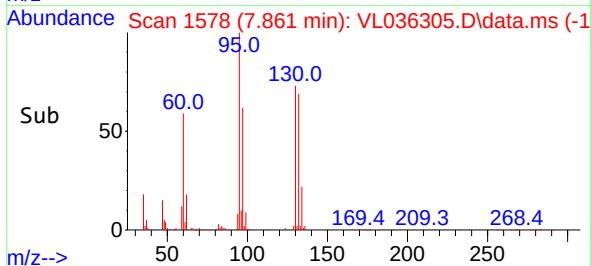
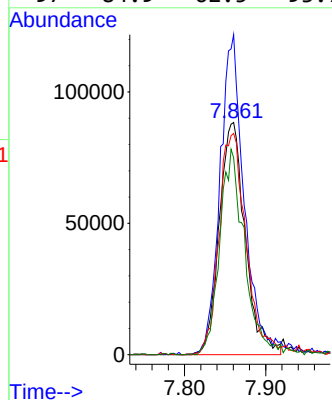
Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT



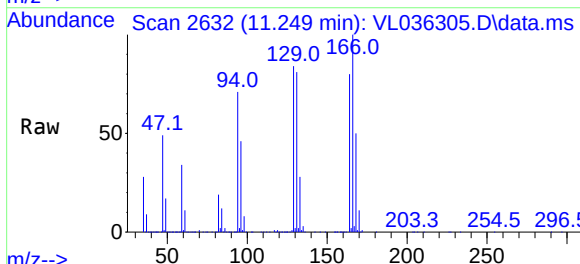
Tgt Ion:130 Resp: 197128
Ion Ratio Lower Upper
130 100
95 137.8 103.9 155.9
132 95.3 77.4 116.2
97 84.9 62.5 93.7

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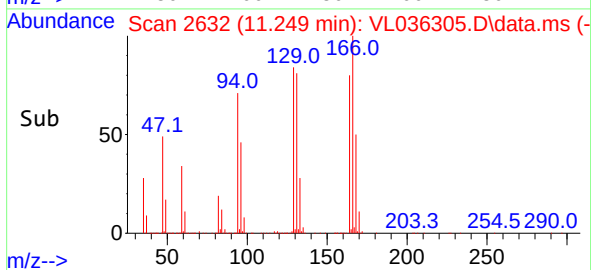
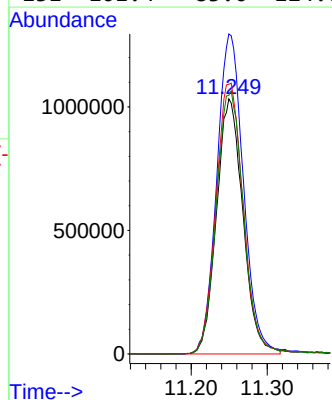
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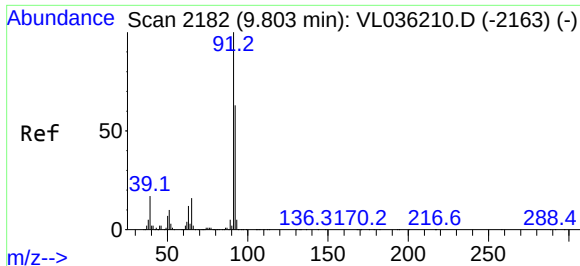


#52
Tetrachloroethene
Concen: 22.73 ppbv
RT: 11.249 min Scan# 2632
Delta R.T. 0.032 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35



Tgt Ion:164 Resp: 2485482
Ion Ratio Lower Upper
164 100
166 125.5 99.9 149.9
129 105.7 88.2 132.4
131 101.4 83.0 124.6





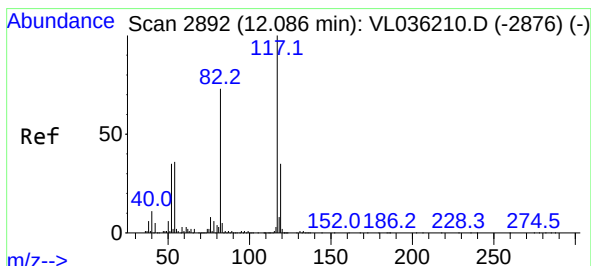
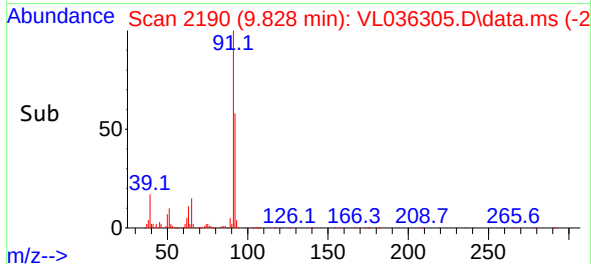
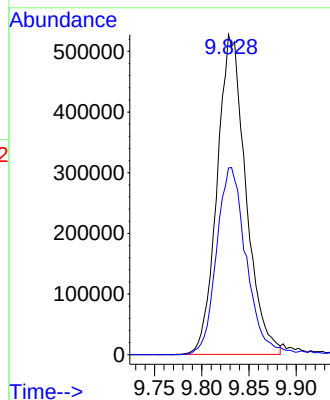
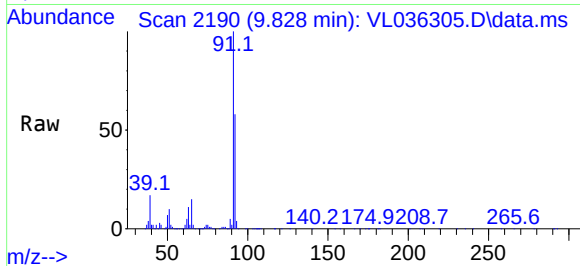
#53
Toluene
Concen: 3.35 ppbv
RT: 9.828 min Scan# 2190
Delta R.T. 0.026 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Tgt Ion: 91 Resp: 1112514
Ion Ratio Lower Upper
91 100
92 61.5 48.5 72.7

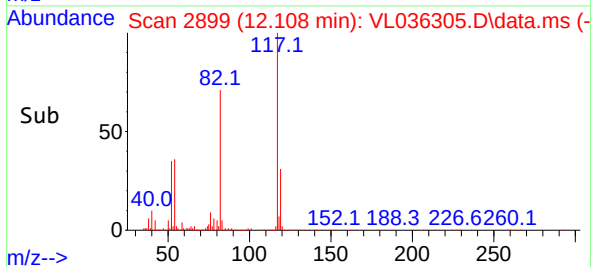
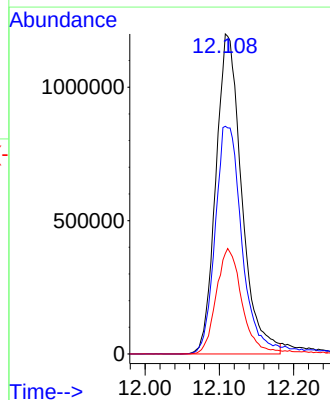
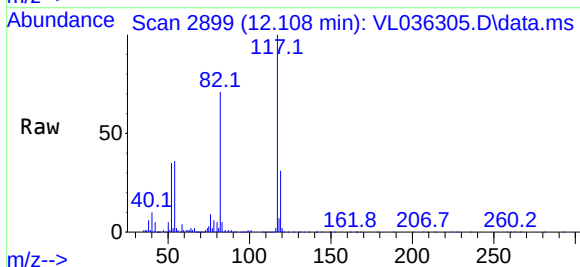
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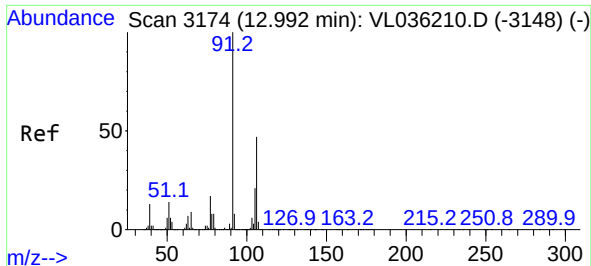
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.108 min Scan# 2899
Delta R.T. 0.022 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 117 Resp: 2903099
Ion Ratio Lower Upper
117 100
82 76.3 59.7 89.5
119 34.1 28.6 43.0





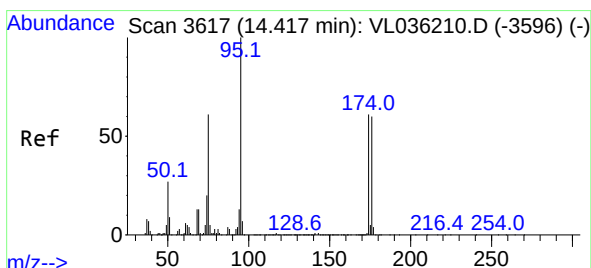
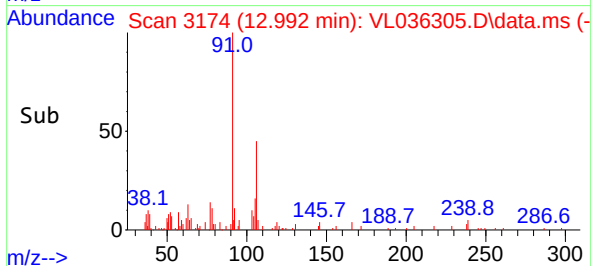
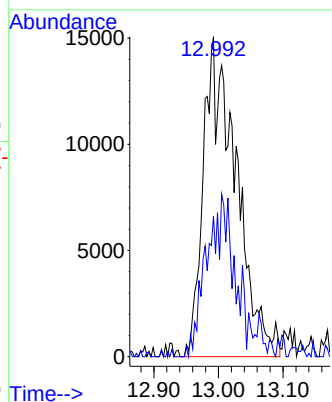
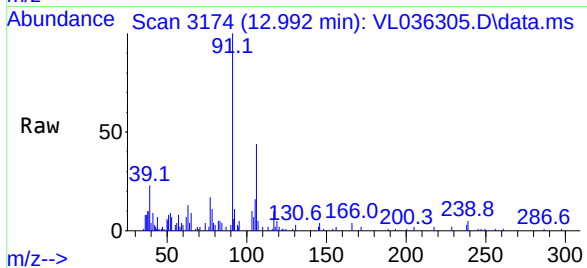
#59
m/p-Xylene
Concen: 0.14 ppbv m
RT: 12.992 min Scan# 3174
Delta R.T. -0.000 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 91 Resp: 53121
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.96 ppbv
RT: 14.442 min Scan# 3625
Delta R.T. 0.026 min
Lab File: VL036305.D
Acq: 3 Feb 2021 22:35

Tgt Ion: 95 Resp: 2392980
Ion Ratio Lower Upper
95 100
174 63.8 49.4 74.0
175 4.5 3.8 5.8

