

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037589.D
 Acq On : 9 Sep 2021 2:38
 Operator : SY/AP
 Sample : M3663-07 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Manual Integrations
 APPROVED

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 9/10/2021 10:53:39 AM

Quant Time: Sep 09 09:16:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1618469	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	4769578	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.102	117	4319668	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	3080857	10.039	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
9) Propene	3.028	41	117263m	1.057	ppbv	
10) Heptane	8.137	43	173753	0.681	ppbv	99
13) Ethanol	3.626	45	206812m	19.166	ppbv	
15) Acetone	3.858	43	2874556	17.452	ppbv	95
19) Isopropyl Alcohol	3.980	45	538067m	5.702	ppbv	
20) Methylene Chloride	4.353	84	68643m	0.832	ppbv	
26) Hexane	5.697	57	584893	2.861	ppbv #	46
29) Chloroform	5.764	83	1612871	5.567	ppbv	99
31) cis-1,2-Dichloroethene	5.562	61	2323935	12.560	ppbv	98
34) 2-Butanone	5.259	43	489984	2.516	ppbv	95
36) Benzene	6.899	78	107066	0.267	ppbv #	90
38) Trichloroethene	7.848	130	2080110	12.645	ppbv	96
52) Tetrachloroethene	11.256	164	15029914	91.477	ppbv	95
53) Toluene	9.819	91	1011627	2.210	ppbv	99
58) Ethyl Benzene	12.725	91	339881	0.567	ppbv	91
59) m/p-Xylene	12.986	91	1187656m	2.285	ppbv	
60) o-Xylene	13.706	91	354418	0.731	ppbv	97
74) 1,2,4-Trimethylbenzene	16.773	105	722376	1.266	ppbv #	67
79) Naphthalene	22.204	128	115993m	0.304	ppbv	

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

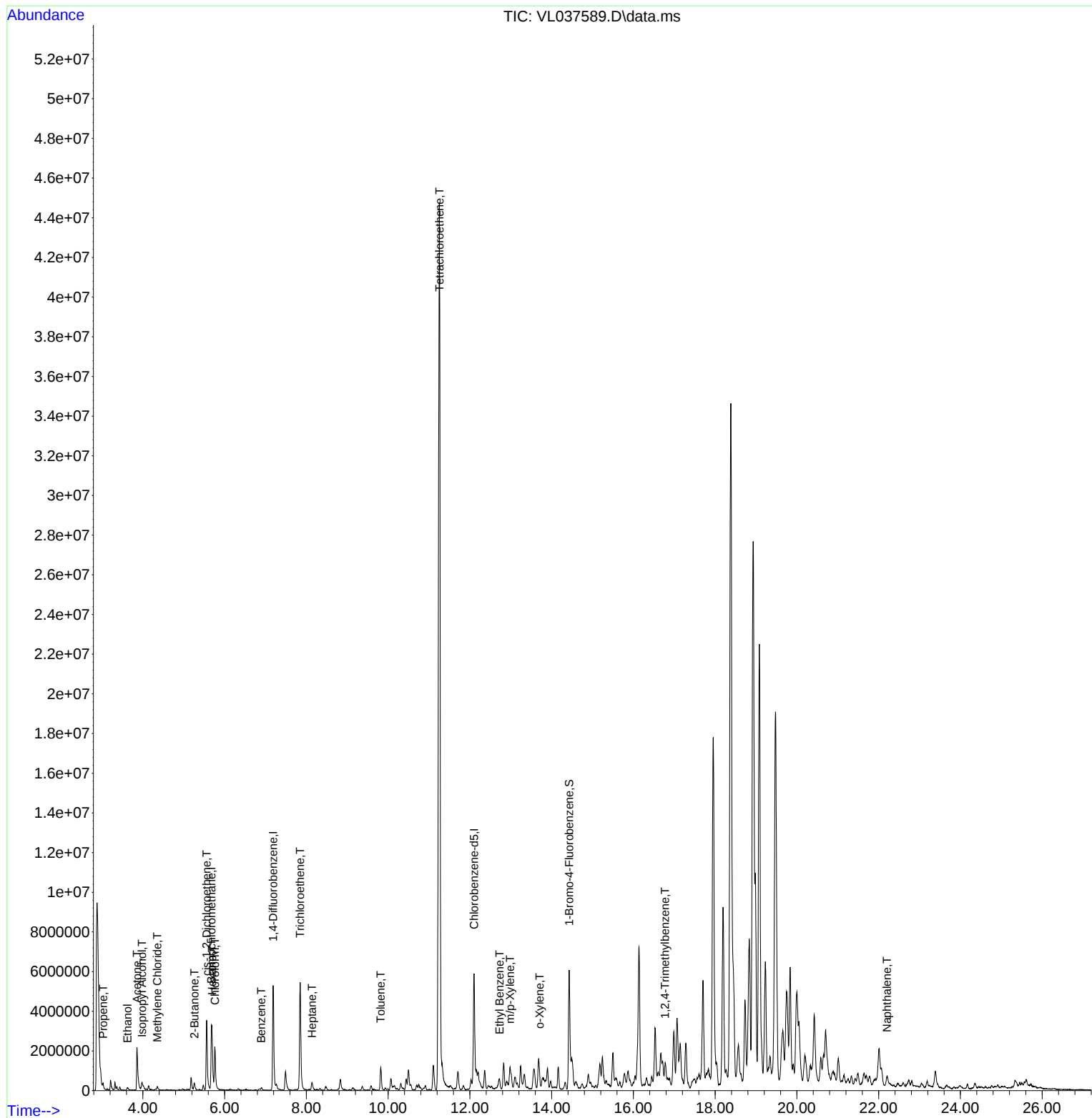
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
Data File : VL037589.D
Acq On : 9 Sep 2021 2:38
Operator : SY/AP
Sample : M3663-07 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

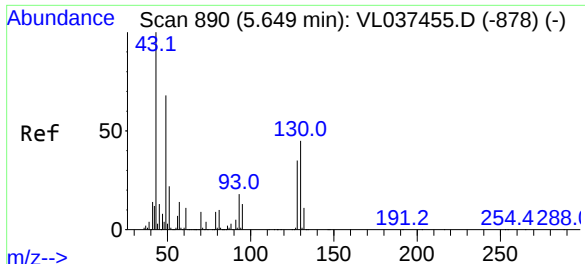
Instrument :
MSVOA_L
ClientSampleId :
SV-4

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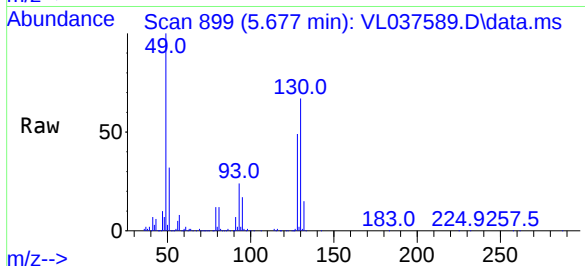
Quant Time: Sep 09 09:16:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 899
Delta R.T. 0.029 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

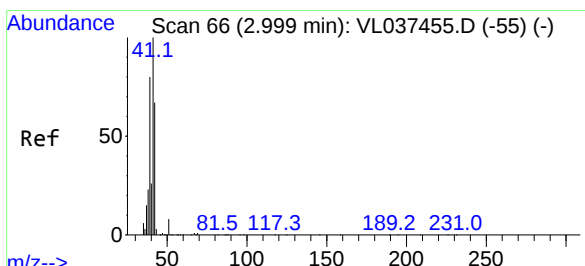
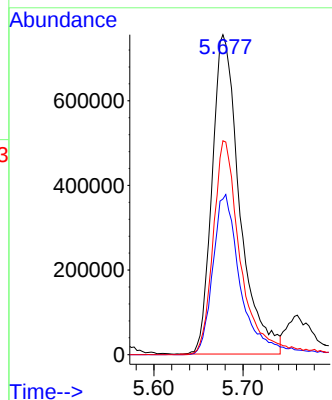
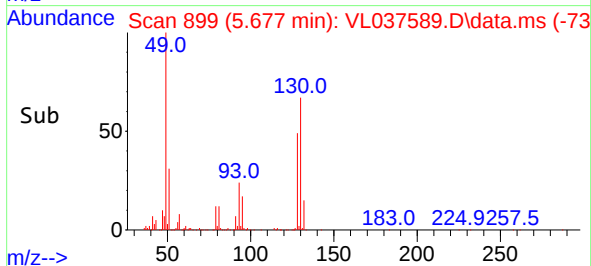
Instrument :
MSVOA_L
ClientSampled :
SV-4



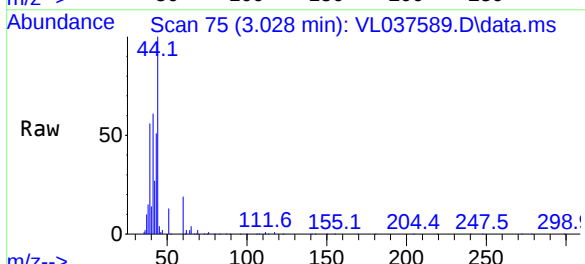
Tgt Ion: 49 Resp: 1618469
Ion Ratio Lower Upper
49 100
128 52.7 27.5 82.4
130 68.3 34.0 101.8

Manual Integrations
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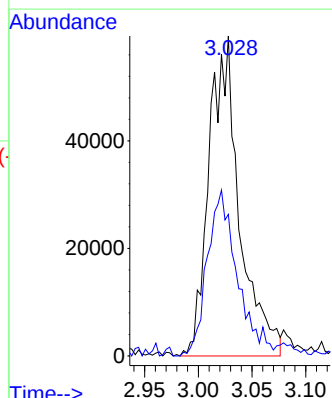
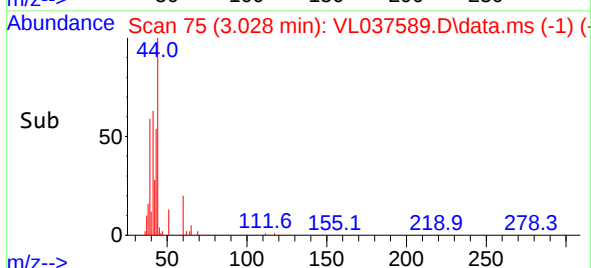
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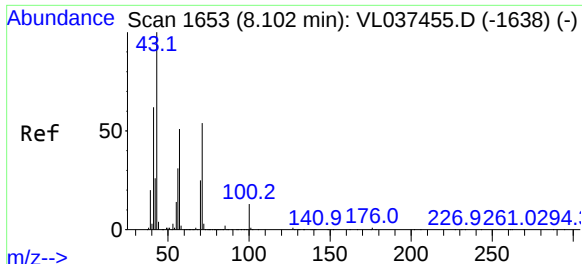


#9
Propene
Concen: 1.057 ppbv m
RT: 3.028 min Scan# 75
Delta R.T. 0.029 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion: 41 Resp: 117263
Ion Ratio Lower Upper
41 100
42 0.0 53.7 80.5#





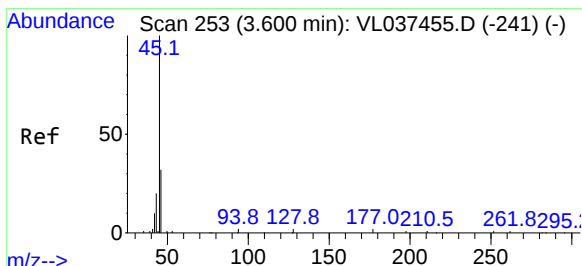
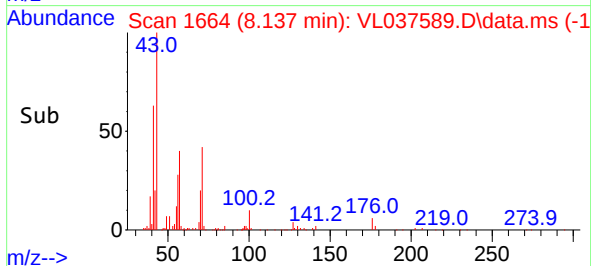
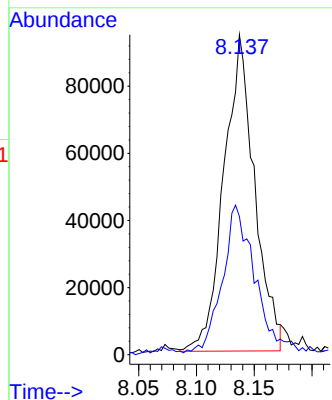
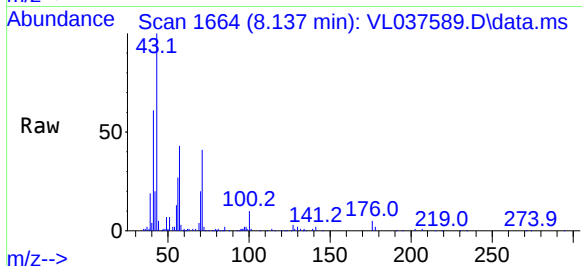
#10
Heptane
Concen: 0.681 ppbv
RT: 8.137 min Scan# 1664
Delta R.T. 0.035 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

Tgt Ion: 43 Resp: 173753
Ion Ratio Lower Upper
43 100
57 52.3 41.0 61.6

Instrument :
MSVOA_L
ClientSampled :
SV-4

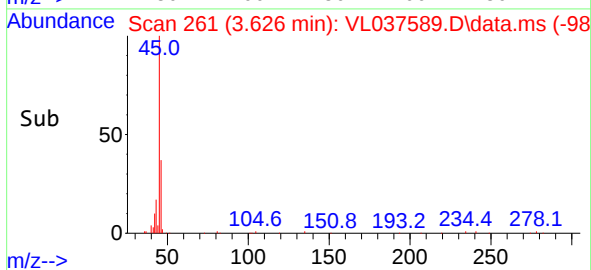
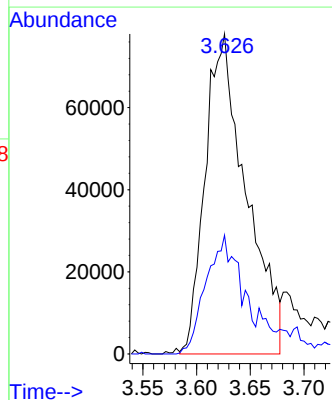
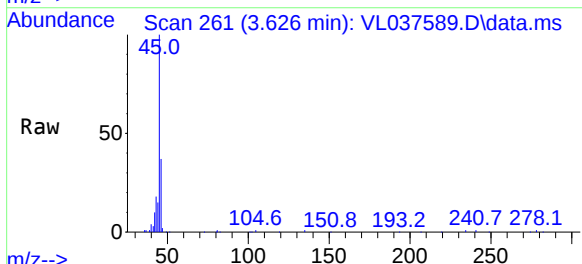
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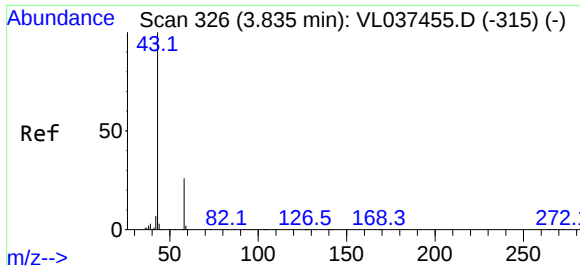
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#13
Ethanol
Concen: 19.166 ppbv m
RT: 3.626 min Scan# 261
Delta R.T. 0.026 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

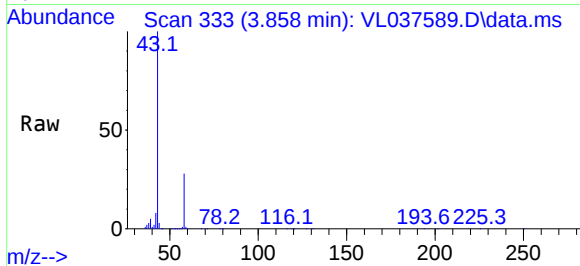
Tgt Ion: 45 Resp: 206812
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#





#15
Acetone
Concen: 17.452 ppbv
RT: 3.858 min Scan# 333
Delta R.T. 0.022 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

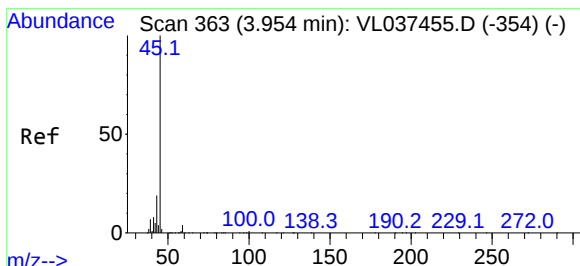
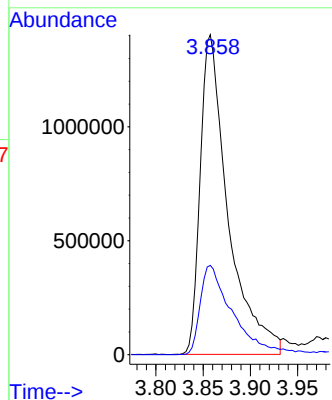
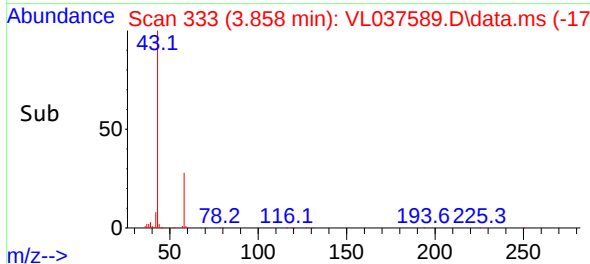
Instrument :
MSVOA_L
ClientSampled :
SV-4



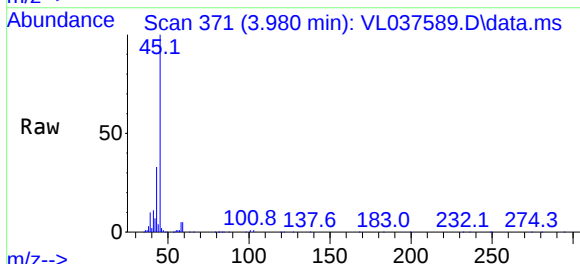
Tgt Ion: 43 Resp: 2874556
Ion Ratio Lower Upper
43 100
58 33.9 24.8 37.2

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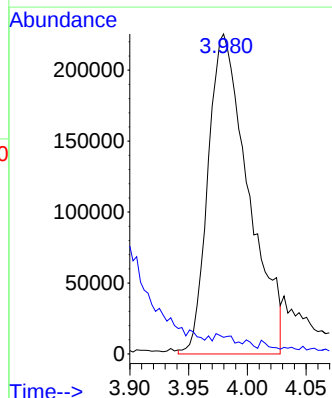
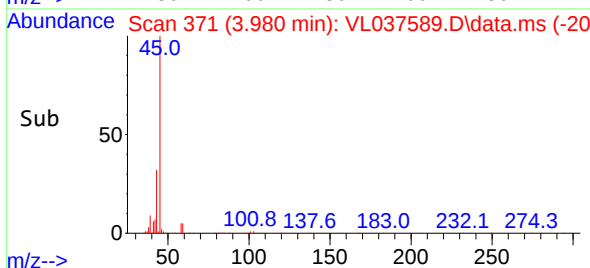
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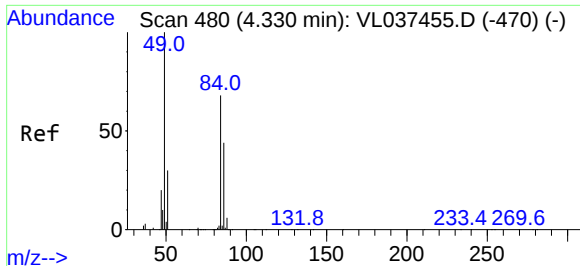


#19
Isopropyl Alcohol
Concen: 5.702 ppbv m
RT: 3.980 min Scan# 371
Delta R.T. 0.026 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



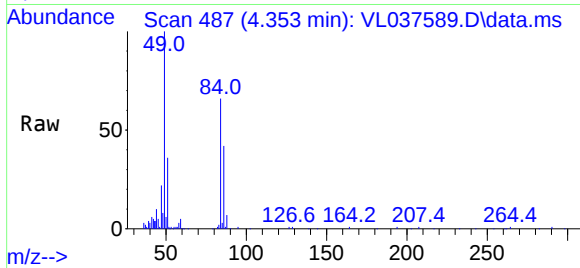
Tgt Ion: 45 Resp: 538067
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#





#20
Methylene Chloride
Concen: 0.832 ppbv m
RT: 4.353 min Scan# 487
Delta R.T. 0.022 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

Instrument :
MSVOA_L
ClientSampled :
SV-4

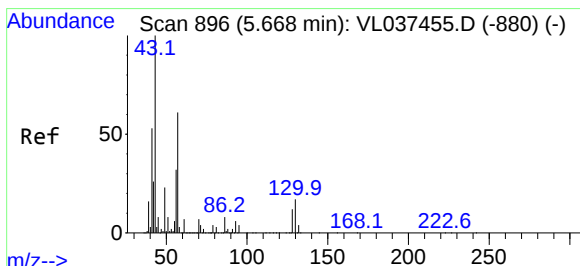
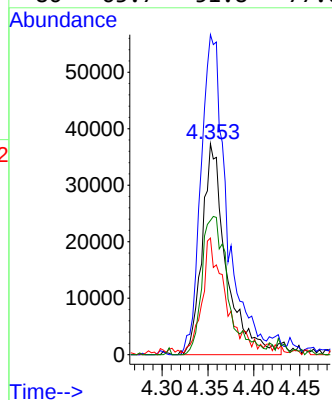
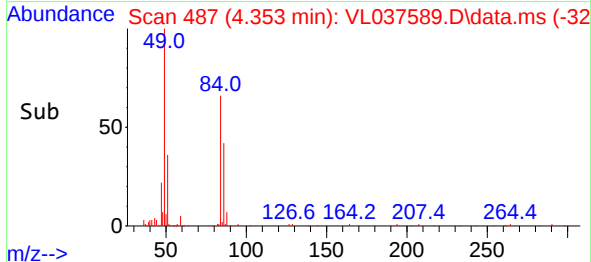


Tgt Ion: 84 Resp: 68643

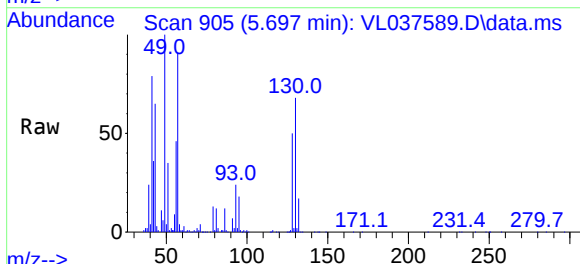
Ion	Ratio	Lower	Upper
84	100		
49	151.7	118.2	177.2
51	55.3	36.6	55.0#
86	63.7	51.8	77.6

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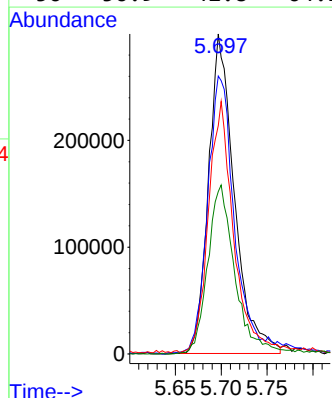
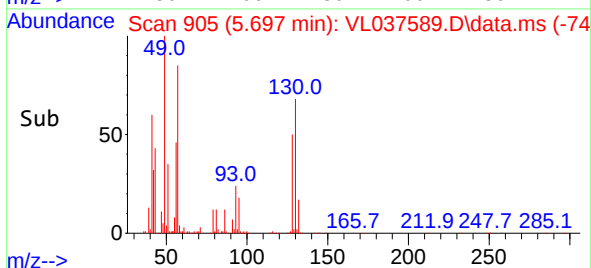


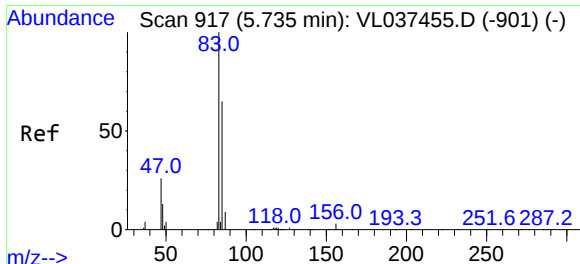
#26
Hexane
Concen: 2.861 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.029 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion: 57 Resp: 584893

Ion	Ratio	Lower	Upper
57	100		
41	94.2	72.3	108.5
43	78.3	172.3	258.5#
56	56.9	42.8	64.2





#29
Chloroform
Concen: 5.567 ppbv
RT: 5.764 min Scan# 926
Delta R.T. 0.029 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

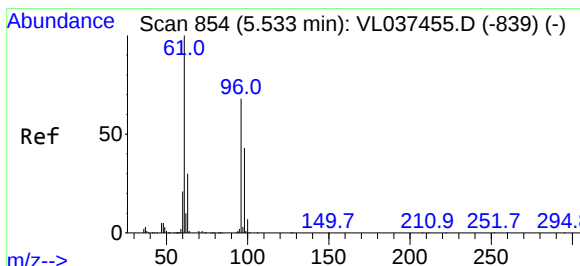
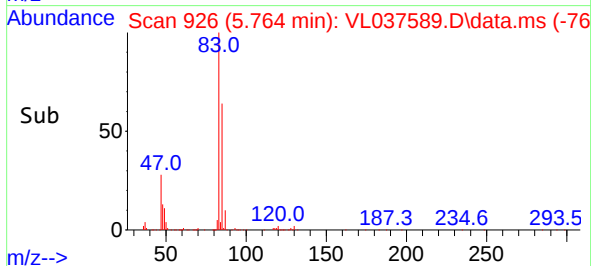
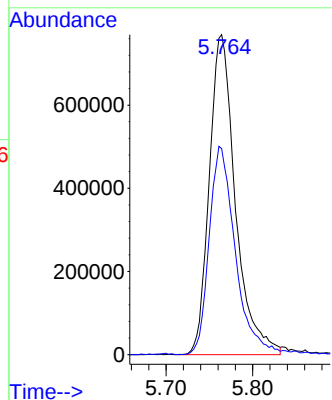
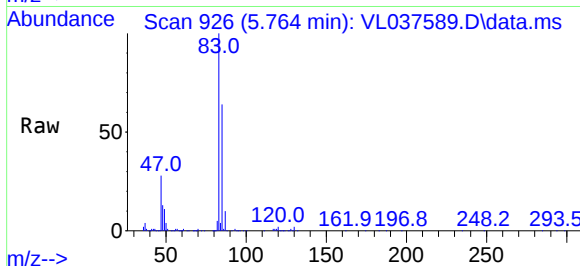
Tgt Ion: 83 Resp: 1612871

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5

Instrument :
MSVOA_L
ClientSampled :
SV-4

Manual Integrations
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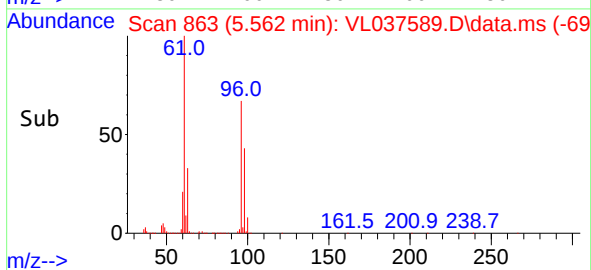
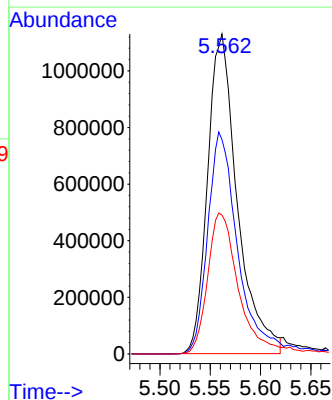
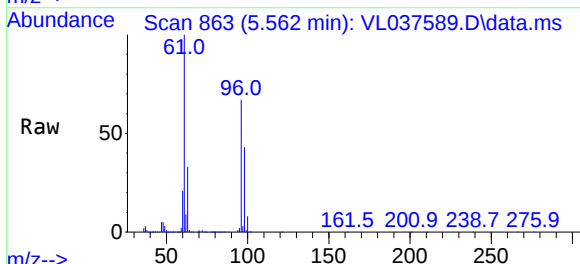
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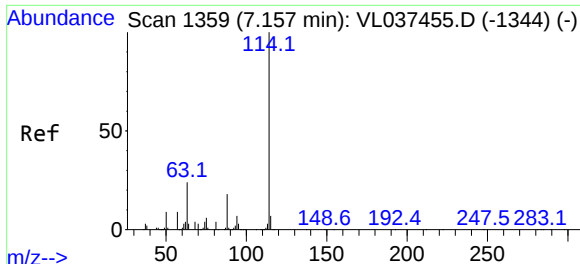


#31
cis-1,2-Dichloroethene
Concen: 12.560 ppbv
RT: 5.562 min Scan# 863
Delta R.T. 0.029 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

Tgt Ion: 61 Resp: 2323935

Ion	Ratio	Lower	Upper
61	100		
96	67.0	54.8	82.2
98	43.4	34.2	51.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 1369
Delta R.T. 0.032 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

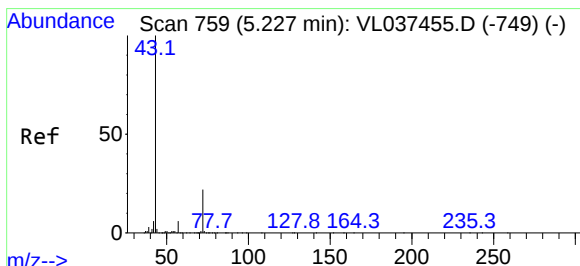
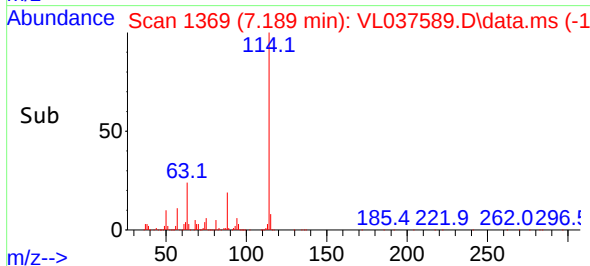
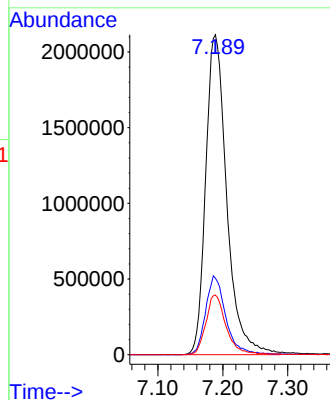
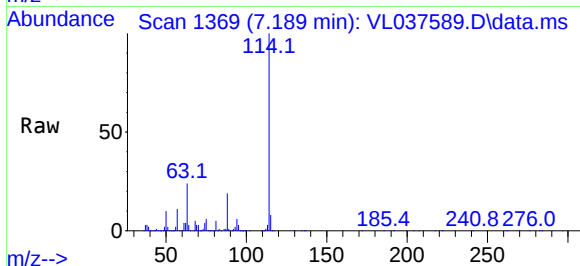
Tgt Ion: 114 Resp: 4769578

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.3	28.9
88	18.1	14.2	21.4

Instrument :
MSVOA_L
ClientSampled :
SV-4

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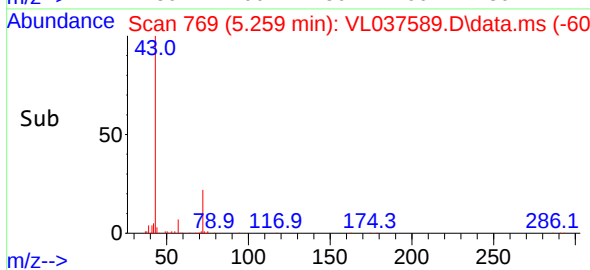
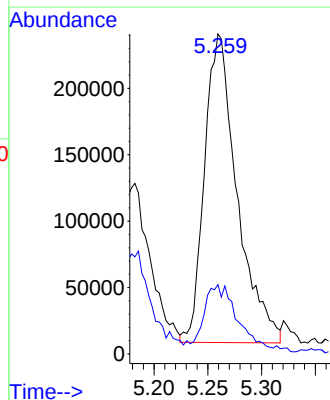
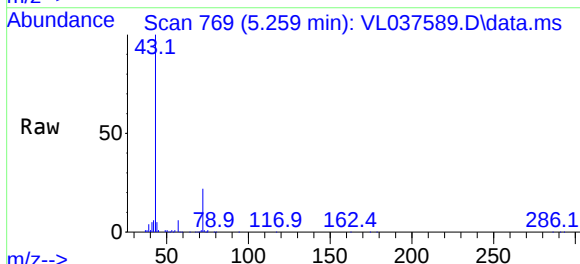
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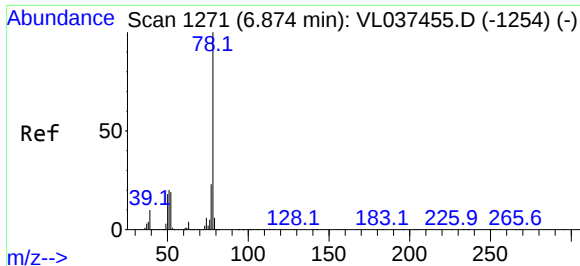


#34
2-Butanone
Concen: 2.516 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.032 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

Tgt Ion: 43 Resp: 489984

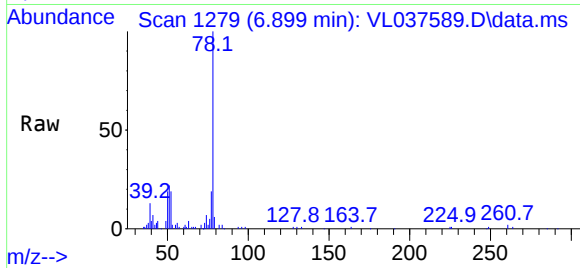
Ion	Ratio	Lower	Upper
43	100		
72	24.3	17.4	26.0





#36
Benzene
Concen: 0.267 ppbv
RT: 6.899 min Scan# 1279
Delta R.T. 0.026 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

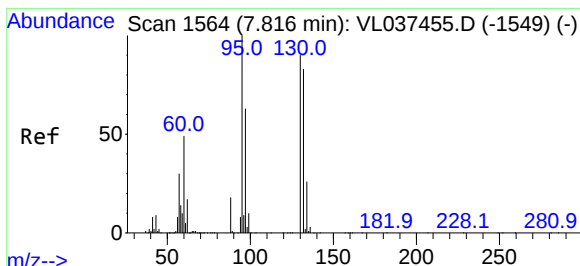
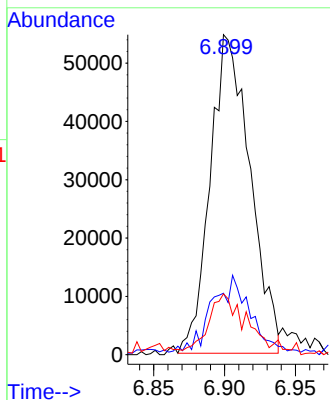
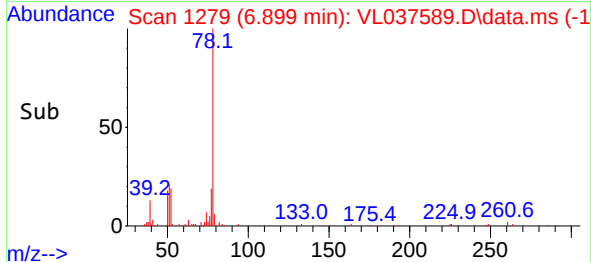
Instrument :
MSVOA_L
ClientSampled :
SV-4



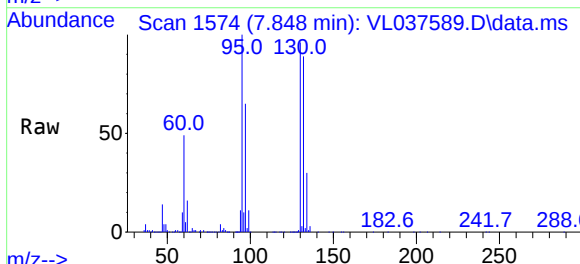
Tgt Ion: 78 Resp: 107066
Ion Ratio Lower Upper
78 100
77 16.7 18.2 27.4#
50 15.0 14.6 21.8

Manual Integrations
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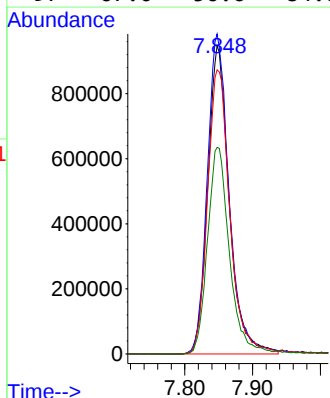
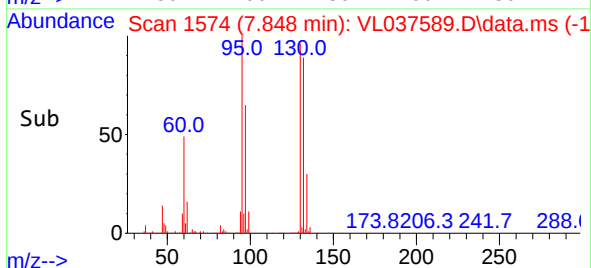
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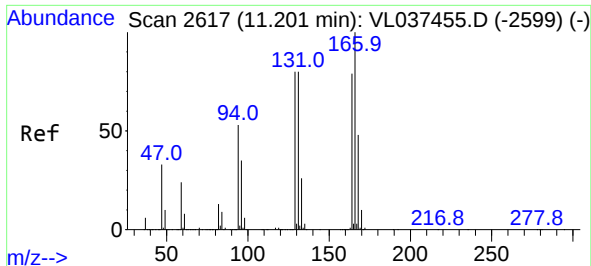


#38
Trichloroethene
Concen: 12.645 ppbv
RT: 7.848 min Scan# 1574
Delta R.T. 0.032 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

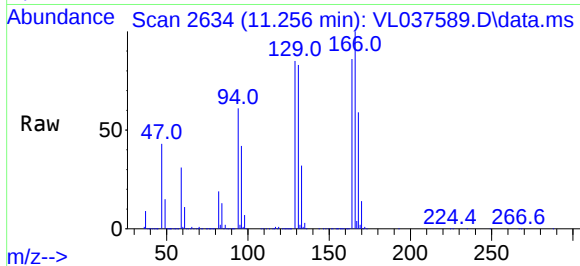


Tgt Ion: 130 Resp: 2080110
Ion Ratio Lower Upper
130 100
95 103.8 89.2 133.8
132 92.2 74.0 111.0
97 67.0 56.6 84.8



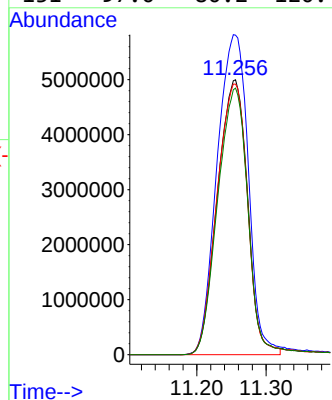


#52
Tetrachloroethene
Concen: 91.477 ppbv
RT: 11.256 min Scan# 2634
Delta R.T. 0.055 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion:164 Resp:15029914

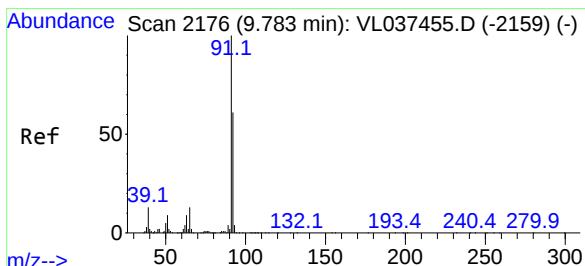
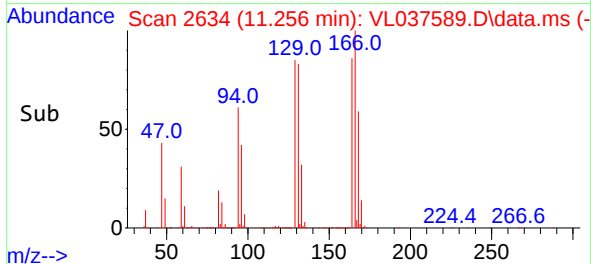
Ion	Ratio	Lower	Upper
164	100		
166	116.3	100.7	151.1
129	98.4	80.9	121.3
131	97.0	80.2	120.4



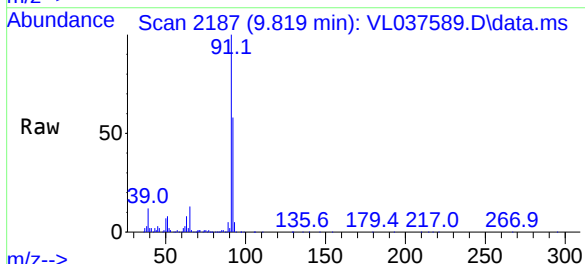
Instrument :
MSVOA_L
ClientSampled :
SV-4

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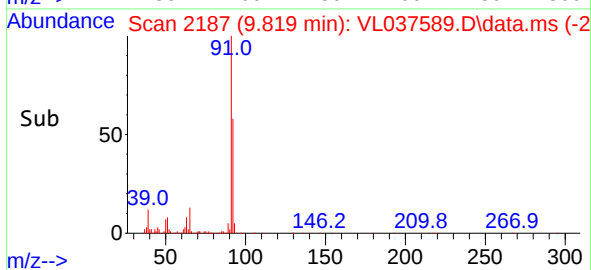
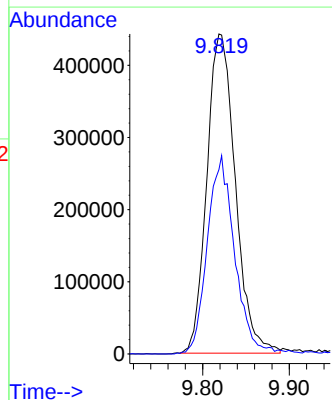


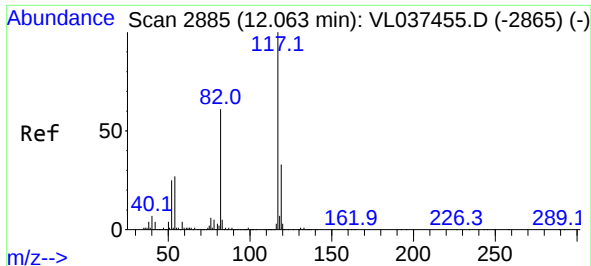
#53
Toluene
Concen: 2.210 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



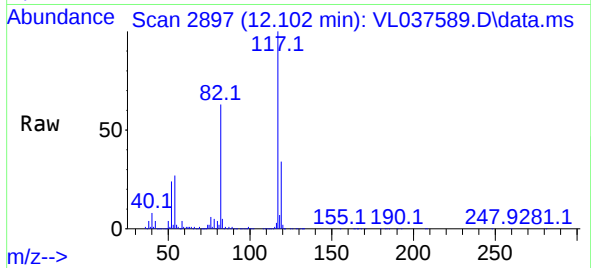
Tgt Ion: 91 Resp: 1011627

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.8	73.2



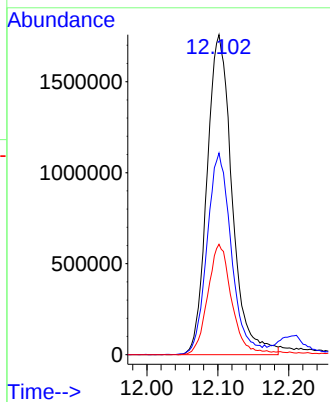
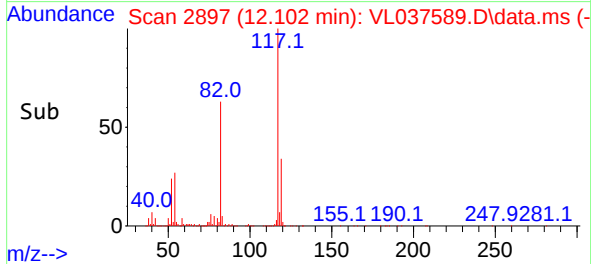


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.102 min Scan# 2897
Delta R.T. 0.039 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion: 117 Resp: 4319668

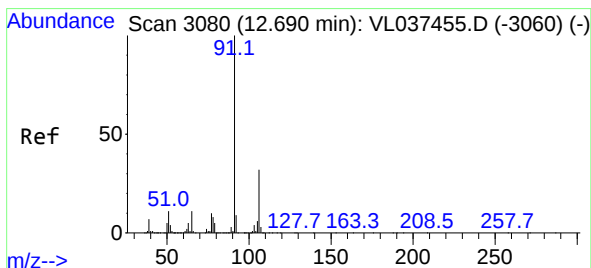
Ion	Ratio	Lower	Upper
117	100		
82	62.1	52.9	79.3
119	33.9	24.8	37.2



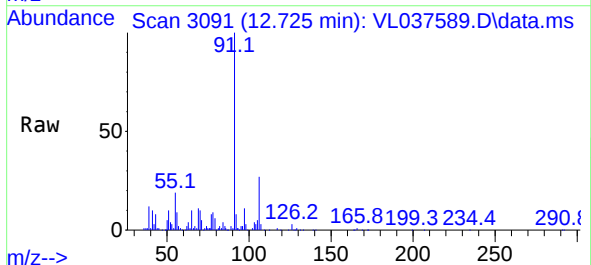
Instrument :
MSVOA_L
ClientSampled :
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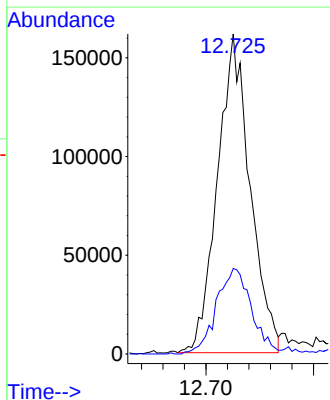
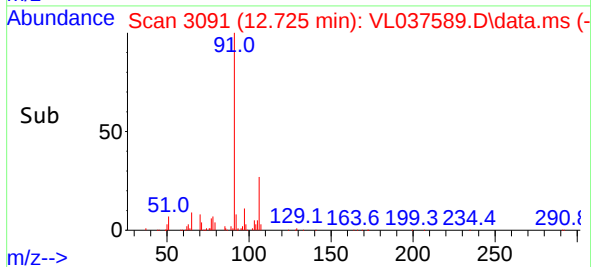


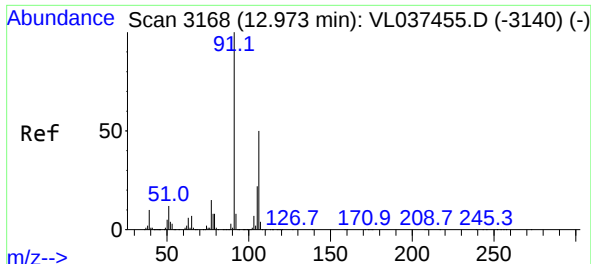
#58
Ethyl Benzene
Concen: 0.567 ppbv
RT: 12.725 min Scan# 3091
Delta R.T. 0.035 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion: 91 Resp: 339881

Ion	Ratio	Lower	Upper
91	100		
106	26.8	25.7	38.5





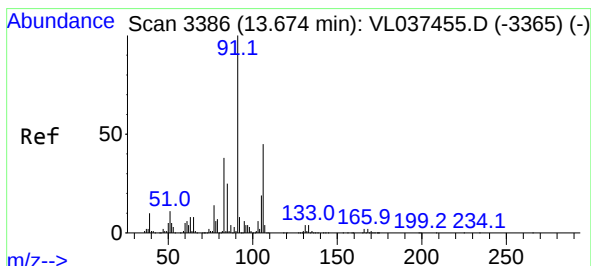
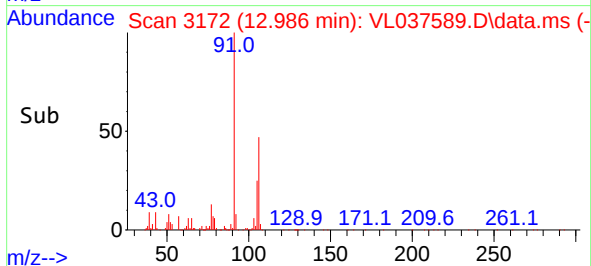
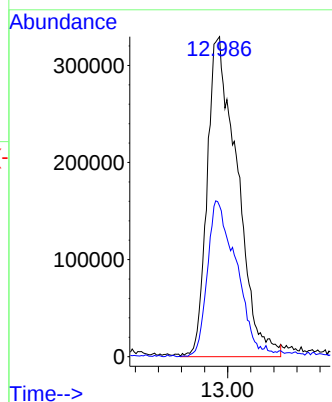
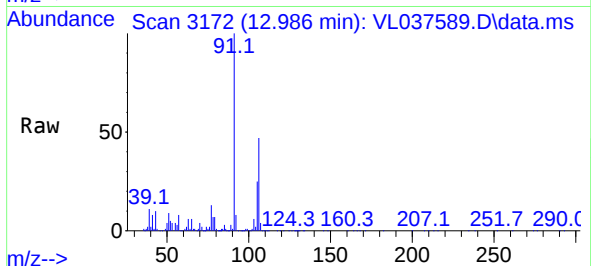
#59
m/p-Xylene
Concen: 2.285 ppbv m
RT: 12.986 min Scan# 3172
Delta R.T. 0.013 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

Tgt Ion: 91 Resp: 1187656
Ion Ratio Lower Upper
91 100
106 48.4 36.9 55.3

Instrument :
MSVOA_L
ClientSampled :
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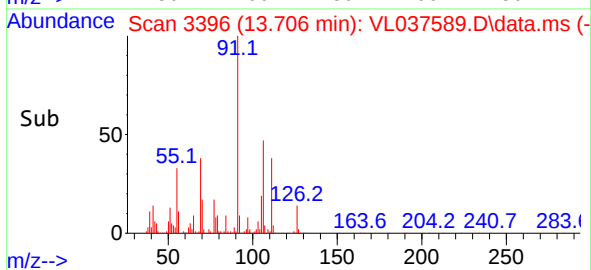
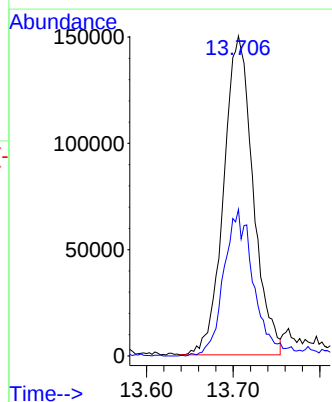
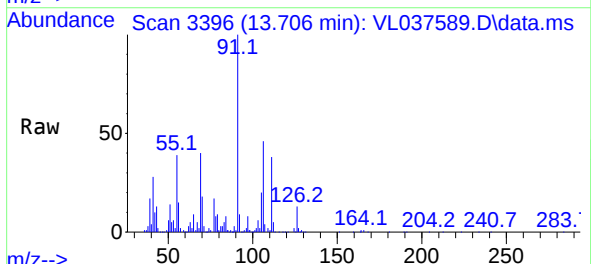
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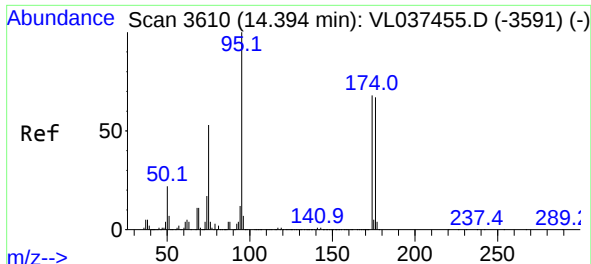
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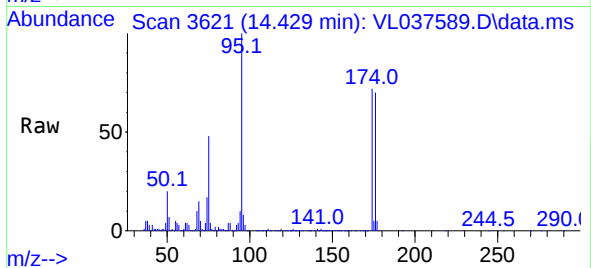
#60
o-Xylene
Concen: 0.731 ppbv
RT: 13.706 min Scan# 3396
Delta R.T. 0.032 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

Tgt Ion: 91 Resp: 354418
Ion Ratio Lower Upper
91 100
106 49.6 23.7 71.1



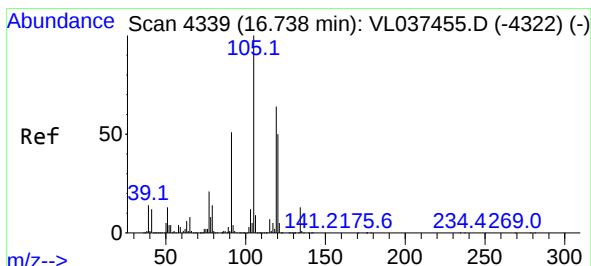
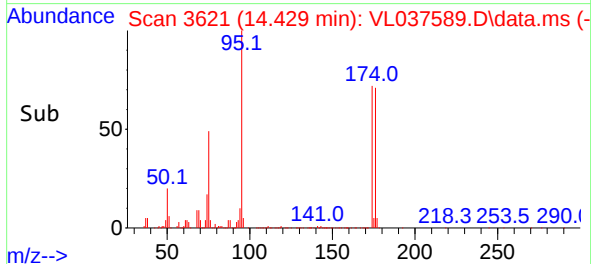
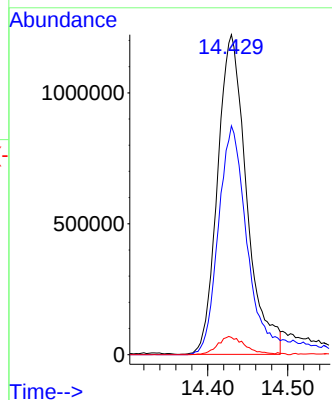


#68
1-Bromo-4-Fluorobenzene
Concen: 10.039 ppbv
RT: 14.429 min Scan# 3621
Delta R.T. 0.035 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38

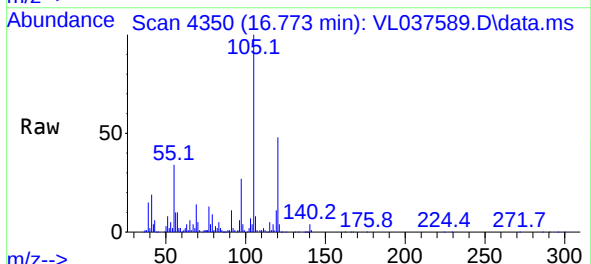


Tgt Ion: 95 Resp: 3080857

Ion	Ratio	Lower	Upper
95	100		
174	77.3	59.6	89.4
175	6.0	4.6	7.0

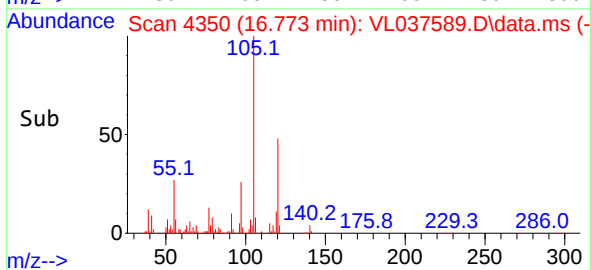
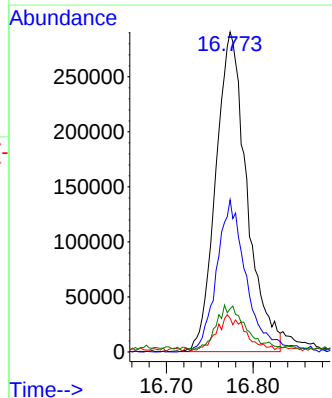


#74
1,2,4-Trimethylbenzene
Concen: 1.266 ppbv
RT: 16.773 min Scan# 4350
Delta R.T. 0.035 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion: 105 Resp: 722376

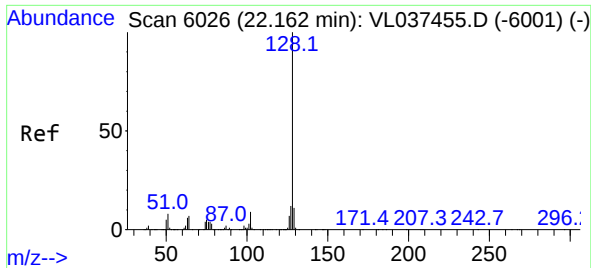
Ion	Ratio	Lower	Upper
105	100		
120	47.5	40.4	60.6
91	9.7	44.6	67.0#
77	12.6	17.8	26.6#



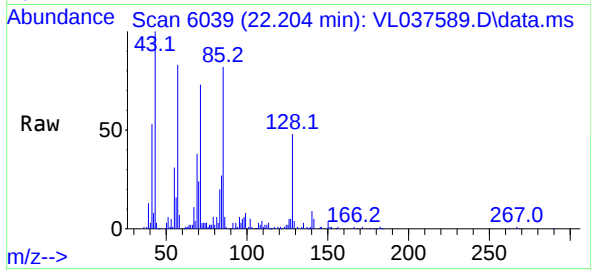
Instrument :
MSVOA_L
ClientSampled :
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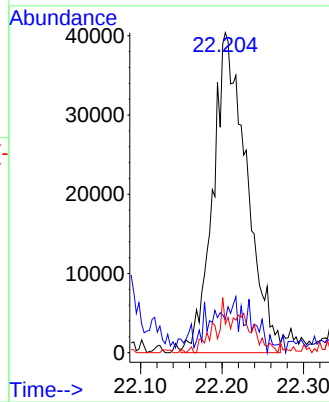
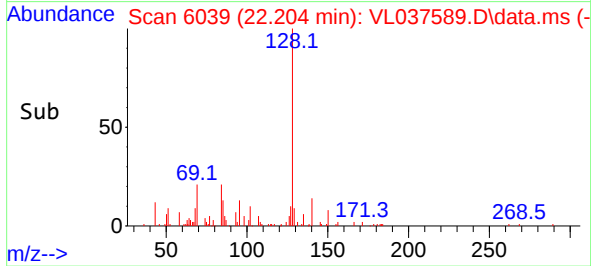
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#79
Naphthalene
Concen: 0.304 ppbv m
RT: 22.204 min Scan# 6039
Delta R.T. 0.042 min
Lab File: VL037589.D
Acq: 9 Sep 2021 2:38



Tgt Ion:128 Resp: 115993
Ion Ratio Lower Upper
128 100
127 10.3 9.4 14.2
129 9.0 8.8 13.2



Instrument :
MSVOA_L
ClientSampleId :
SV-4

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