

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039060.D
 Acq On : 14 May 2022 6:35
 Operator : SY/AP
 Sample : N2828-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 14 07:21:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 6

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	05/16/2022
Internal Standards							Supervised By :Mahesh Dadoda
1) Bromochloromethane	5.655	49	951570	10.000	ppbv	0.00	
33) 1,4-Difluorobenzene	7.163	114	2641775	10.000	ppbv	0.00	
55) Chlorobenzene-d5	12.063	117	2233480	10.000	ppbv	-0.01	05/17/2022
System Monitoring Compounds							22
68) 1-Bromo-4-Fluorobenzene	14.391	95	1657039	9.368	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.073	85	762	0.005	ppbv	99	
4) Chloromethane	3.134	50	1091	0.018	ppbv #	80	
5) Vinyl Chloride	3.118	62	159	0.003	ppbv #	1	
6) Bromomethane	3.382	94	67	0.003	ppbv #	1	
7) Chloroethane	3.562	64	70	0.004	ppbv #	45	
8) Dichlorotetrafluoroethane	3.185	85	185	0.001	ppbv #	16	
9) Propene	3.015	41	27671	0.537	ppbv	84	
10) Heptane	8.102	43	3046	0.024	ppbv #	27	
11) Trichlorofluoromethane	3.947	101	3144	0.025	ppbv #	73	
12) 1,1,2-Trichlorotrifluo...	4.475	101	204	0.002	ppbv #	1	
13) Ethanol	3.600	45	70522m	19.326	ppbv		
14) Bromoethene	3.873	108	33	0.001	ppbv #	1	
15) Acetone	3.848	43	319613	3.561	ppbv	94	
16) 1,3-Butadiene	3.324	39	1440	0.028	ppbv #	9	
17) tert-Butyl alcohol	4.279	59	270	0.004	ppbv #	70	
18) 1,1-Dichloroethene	4.240	96	73	0.002	ppbv #	1	
19) Isopropyl Alcohol	3.967	45	27869	0.653	ppbv #	74	
20) Methylene Chloride	4.336	84	12082m	0.357	ppbv		
21) Allyl Chloride	4.401	41	145	0.002	ppbv #	19	
22) trans-1,2-Dichloroethene	4.844	96	76	0.002	ppbv #	1	
23) Vinyl Acetate	5.063	43	288049	4.056	ppbv #	96	
24) 1,1-Dichloroethane	4.999	63	1734	0.021	ppbv #	89	
26) Hexane	5.677	57	113600	1.190	ppbv #	20	
28) Methyl tert-Butyl Ether	5.018	73	86	0.001	ppbv #	52	
29) Chloroform	5.732	83	3659	0.024	ppbv	94	
30) Cyclohexane	7.114	84	199	0.002	ppbv #	1	
31) cis-1,2-Dichloroethene	5.542	61	159	0.002	ppbv #	27	
32) 1,1,1-Trichloroethane	6.494	97	7436m	0.048	ppbv		
34) 2-Butanone	5.243	43	85672	0.636	ppbv #	91	
35) Carbon Tetrachloride	7.005	117	42	0.000	ppbv #	13	
36) Benzene	6.880	78	4242	0.019	ppbv #	57	
37) 1,2-Dichloroethane	6.375	62	88	0.001	ppbv #	83	
38) Trichloroethene	7.822	130	3457m	0.034	ppbv		
40) 1,4-Dioxane	7.812	88	93	0.003	ppbv #	1	
41) Tetrahydrofuran	6.098	42	631	0.007	ppbv #	1	
42) Bromodichloromethane	7.777	83	220	0.001	ppbv #	24	
43) Methyl Methacrylate	7.999	69	251	0.003	ppbv #	1	
44) 2,2,4-Trimethylpentane	7.851	57	1095	0.003	ppbv #	43	
45) t-1,3-Dichloropropene	9.259	75	39	0.000	ppbv #	44	
46) cis-1,3-Dichloropropene	8.603	75	30	0.000	ppbv #	24	
47) 1,1,2-Trichloroethane	9.330	97	66	0.001	ppbv #	14	
49) Bromoform	13.063	173	60	0.001	ppbv #	17	
50) 4-Methyl-2-Pentanone	8.722	43	921	0.004	ppbv #	39	

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QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	05/16/2022
51) 2-Hexanone	10.127	43	53140	0.308	ppbv	#	76
52) Tetrachloroethene	11.208	164	72094m	0.892	ppbv		Supervised By :Mahesh Dadoda
54) 1,2-Dibromoethane	10.298	107	78	0.001	ppbv	#	3
56) 1,1,1,2-Tetrachloroethane	11.699	131	133	0.001	ppbv	#	9
57) Chlorobenzene	12.098	112	34	0.000	ppbv	#	1
58) Ethyl Benzene	12.677	91	417	0.001	ppbv		05/17/2022
59) m/p-Xylene	12.970	91	1177	0.004	ppbv	#	33
60) o-Xylene	13.670	91	2276	0.009	ppbv	#	1
61) Styrene	13.503	104	586	0.004	ppbv	#	1
62) Isopropylbenzene	14.635	105	4893	0.013	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.654	83	544	0.004	ppbv	#	24
64) n-propylbenzene	15.516	120	108	0.001	ppbv		75
65) tert-Butylbenzene	16.706	119	250	0.001	ppbv	#	15
66) Benzyl Chloride	16.950	91	139	0.003	ppbv	#	1
67) sec-Butylbenzene	17.259	105	170	0.000	ppbv	#	60
69) p-Isopropyltoluene	17.629	119	2568	0.007	ppbv	#	47
70) n-Butylbenzene	18.516	91	779	0.002	ppbv	#	43
71) 2-Chlorotoluene	15.330	91	340	0.001	ppbv		69
72) 4-Ethyltoluene	15.815	105	1634	0.006	ppbv	#	48
73) 1,3,5-Trimethylbenzene	15.966	105	1094	0.004	ppbv	#	40
74) 1,2,4-Trimethylbenzene	16.735	105	3311	0.011	ppbv	#	53
75) 1,3-Dichlorobenzene	16.963	146	120	0.001	ppbv	#	22
76) 1,4-Dichlorobenzene	16.973	146	52	0.000	ppbv	#	1
77) 1,2-Dichlorobenzene	17.805	146	87	0.001	ppbv	#	1
79) Naphthalene	22.152	128	188	0.001	ppbv	#	54
80) Naphthalene,2-methyl-	25.043	142	34	0.000	ppbv	#	1
81) 1,2,4-Trichlorobenzene	21.882	180	87	0.001	ppbv	#	56

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

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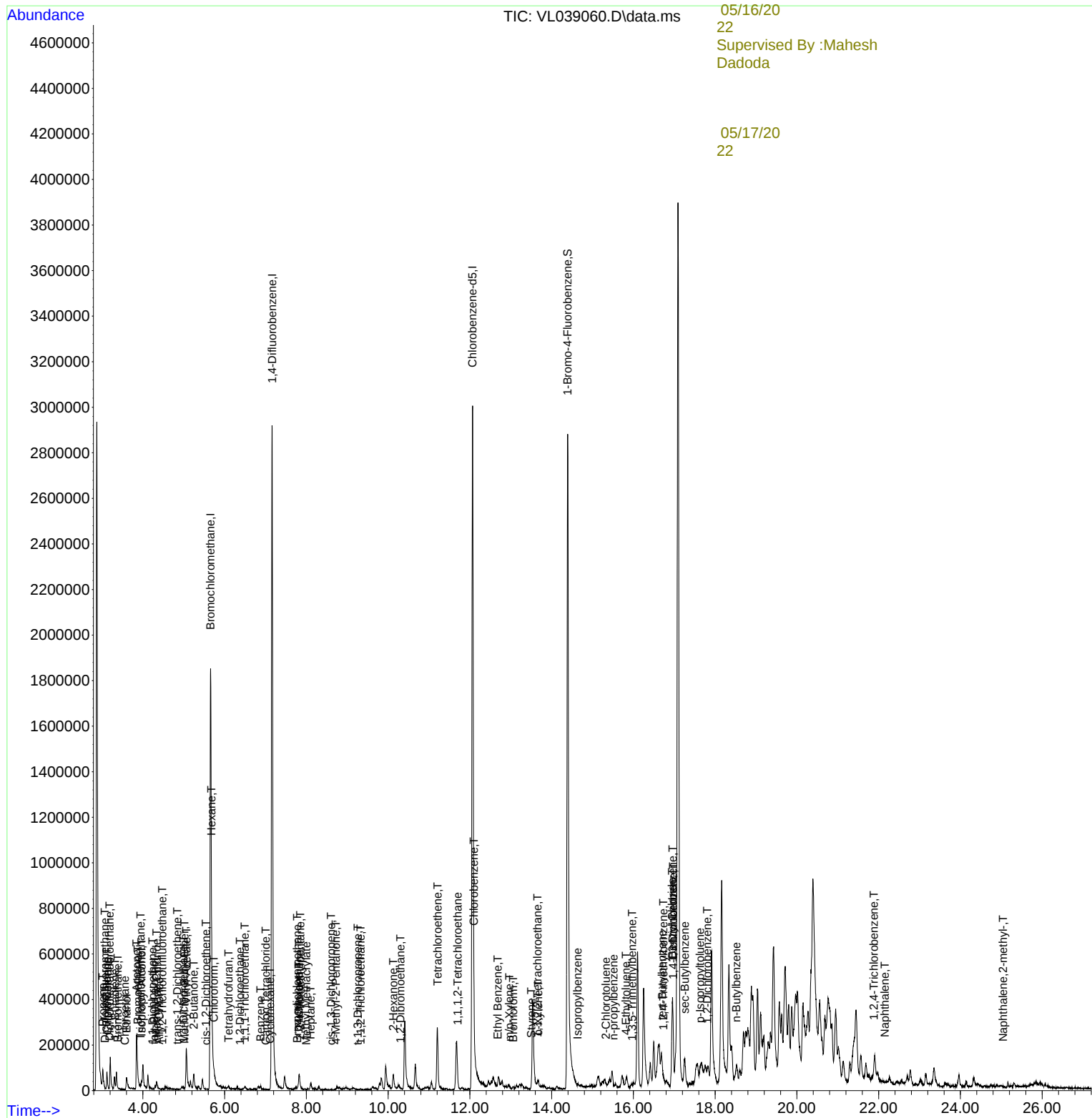
Quant Time: May 14 07:21:25 2022

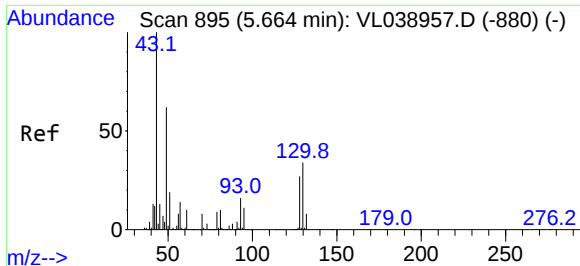
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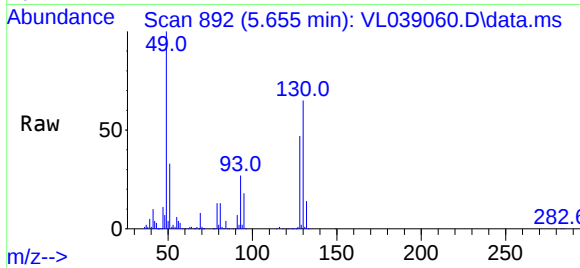
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

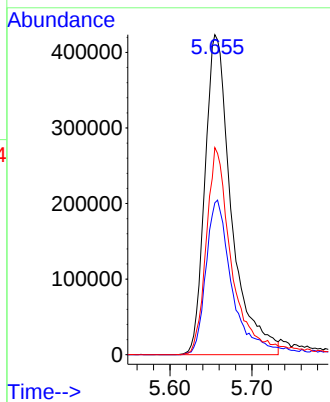
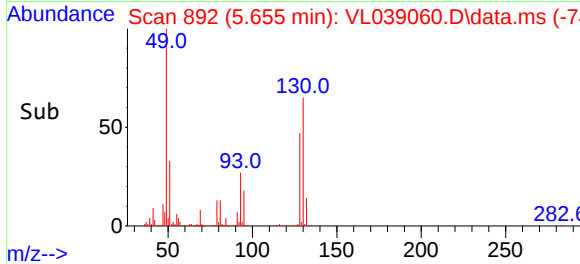
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 49 Resp: 951570
Ion Ratio Lower Upper
49 100
128 48.7 23.3 69.8
130 66.0 29.8 89.3

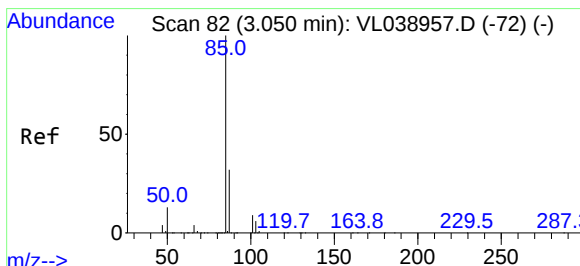
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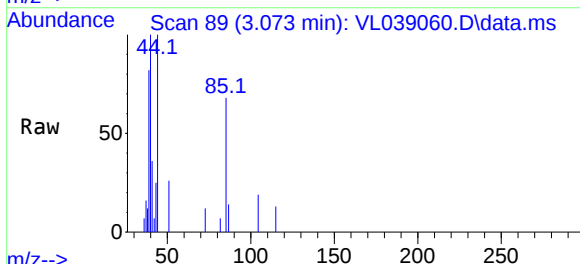


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Supervised By :Mahesh
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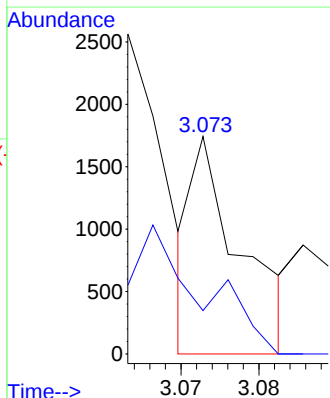
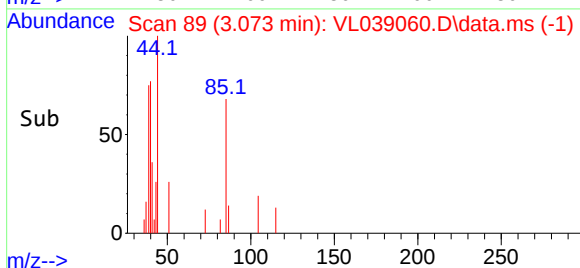
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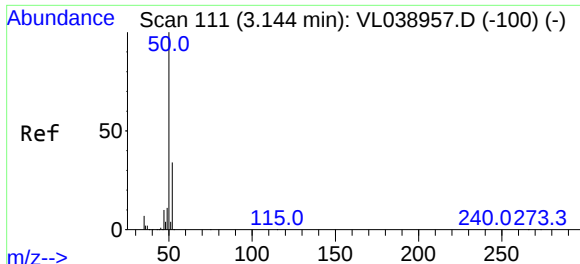


#2
Dichlorodifluoromethane
Concen: 0.005 ppbv
RT: 3.073 min Scan# 89
Delta R.T. 0.022 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



Tgt Ion: 85 Resp: 762
Ion Ratio Lower Upper
85 100
87 31.3 25.7 38.5





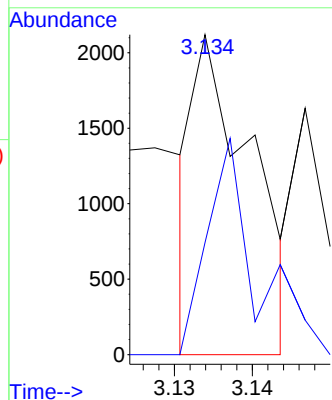
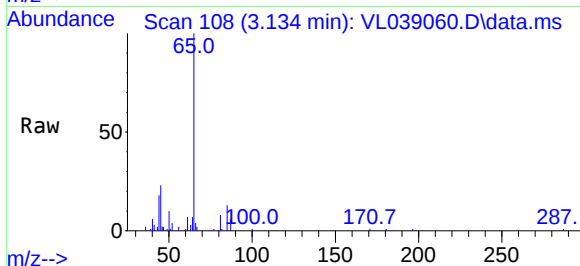
#4
Chloromethane
Concen: 0.018 ppbv
RT: 3.134 min Scan# 109
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 50 Resp: 109
Ion Ratio Lower Upper
50 100
52 45.8 27.3 40.9

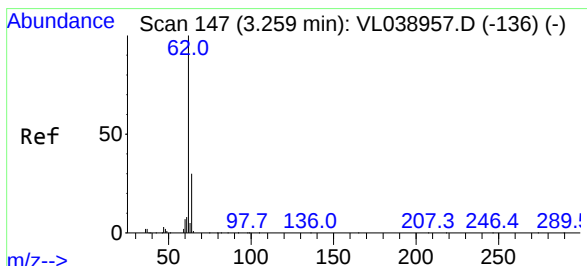
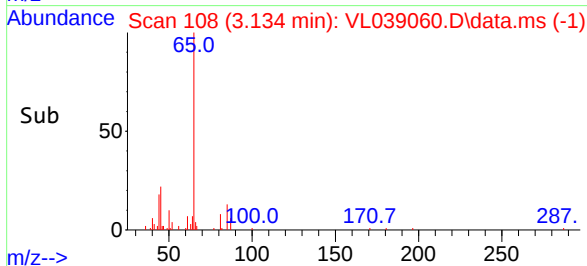
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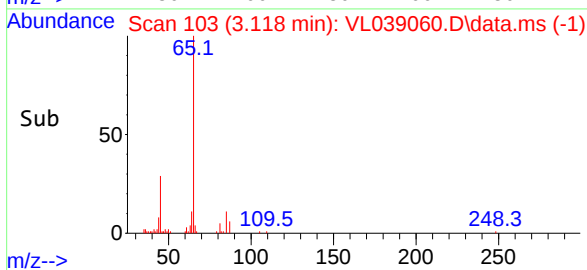
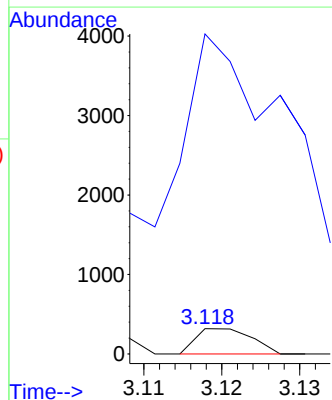
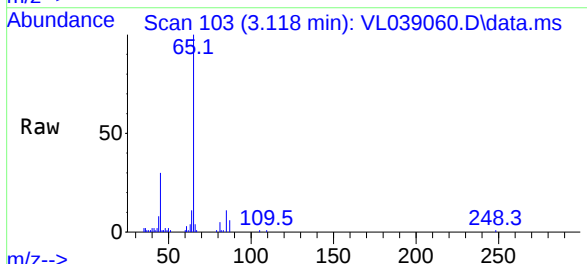
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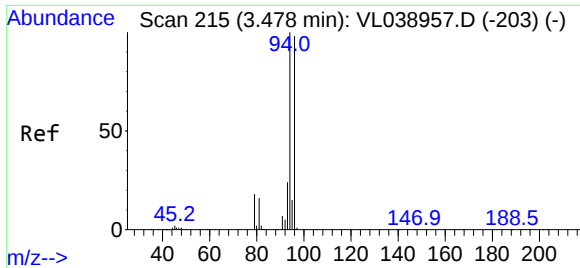
05/17/20
22



#5
Vinyl Chloride
Concen: 0.003 ppbv
RT: 3.118 min Scan# 103
Delta R.T. -0.142 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 62 Resp: 159
Ion Ratio Lower Upper
62 100
64 511.3 24.2 36.4





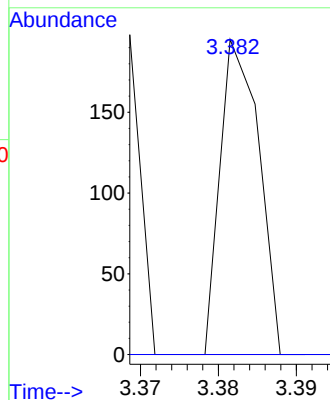
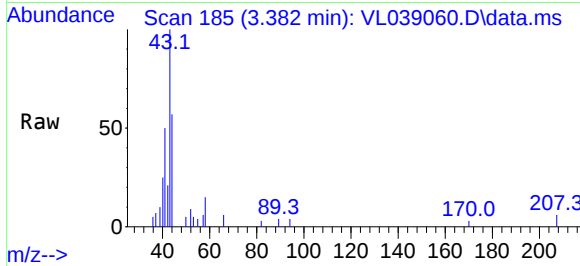
#6
Bromomethane
Concen: 0.003 ppbv
RT: 3.382 min Scan# 11
Delta R.T. -0.097 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 94 Resp: 61
Ion Ratio Lower Upper
94 100
96 0.0 78.1 117.1

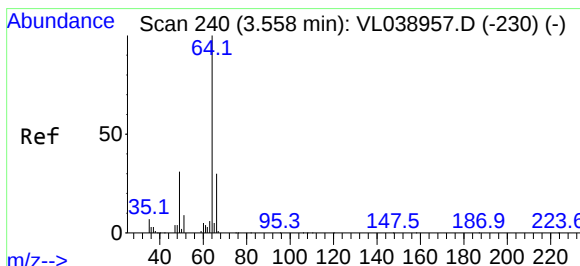
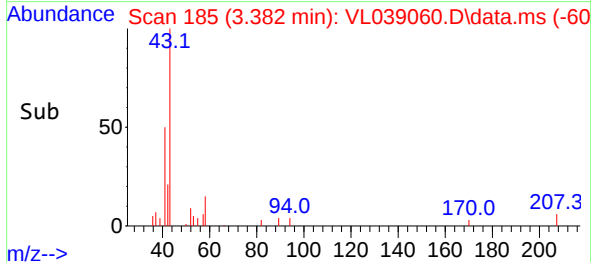
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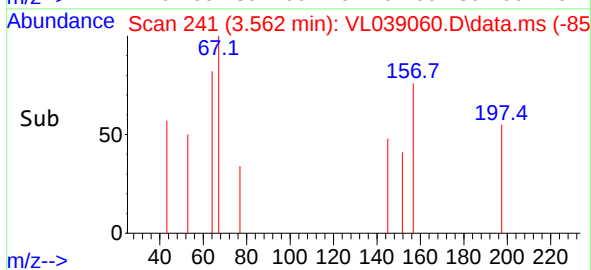
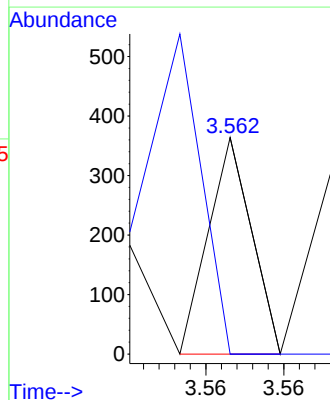
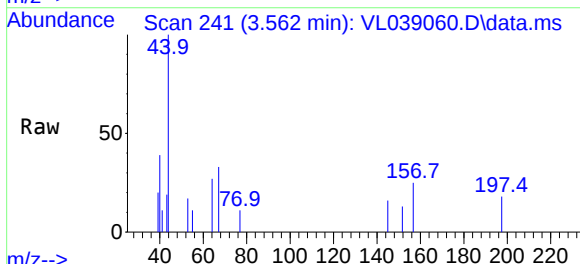
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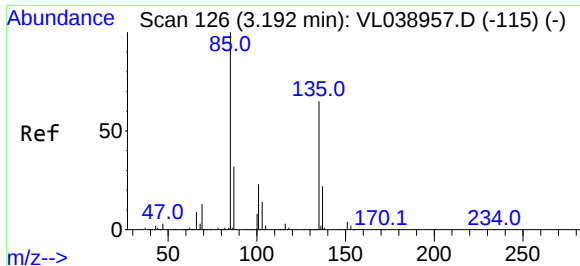
05/17/20
22



#7
Chloroethane
Concen: 0.004 ppbv
RT: 3.562 min Scan# 241
Delta R.T. 0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8





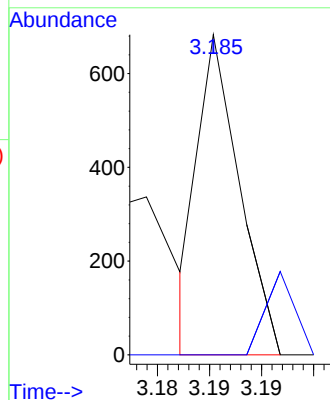
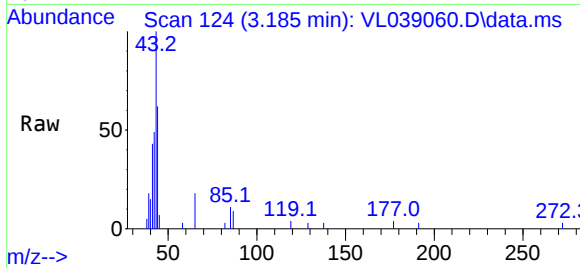
#8
Dichlorotetrafluoroethane
Concen: 0.001 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
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Tgt Ion: 85 Resp: 185
Ion Ratio Lower Upper
85 100
135 0.0 53.6 80.4

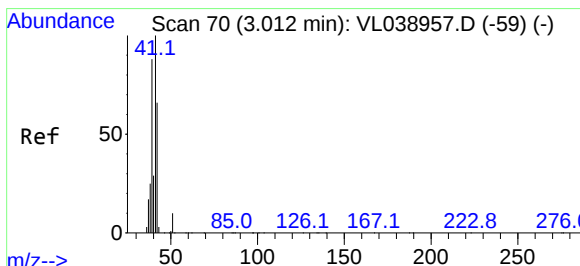
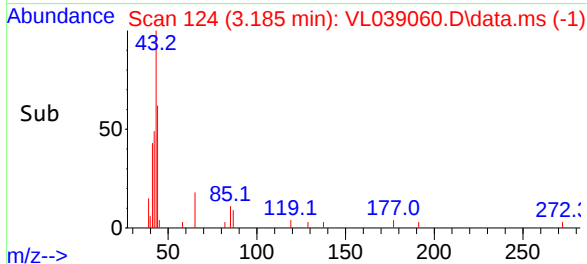
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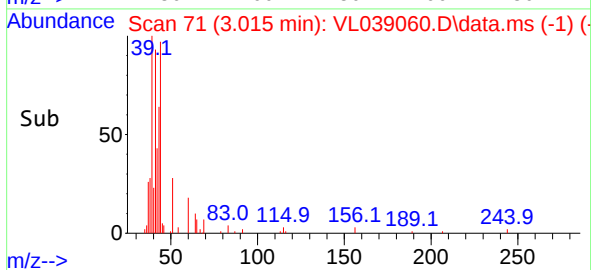
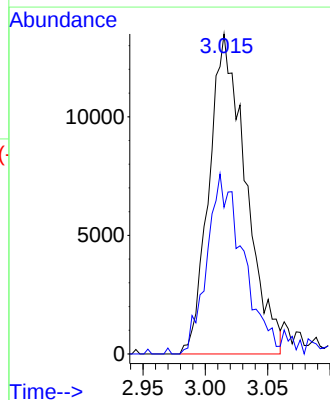
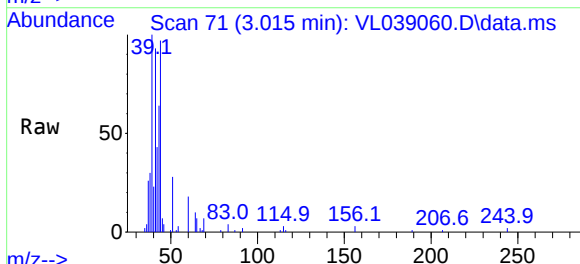
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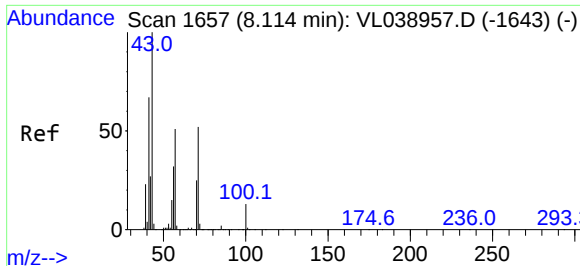
05/17/20
22



#9
Propene
Concen: 0.537 ppbv
RT: 3.015 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 41 Resp: 27671
Ion Ratio Lower Upper
41 100
42 59.4 58.3 87.5





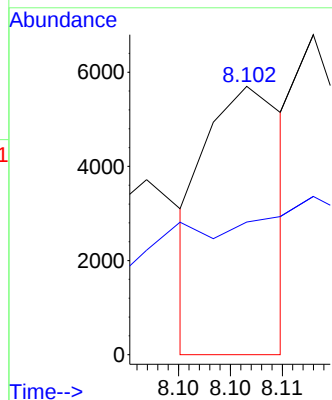
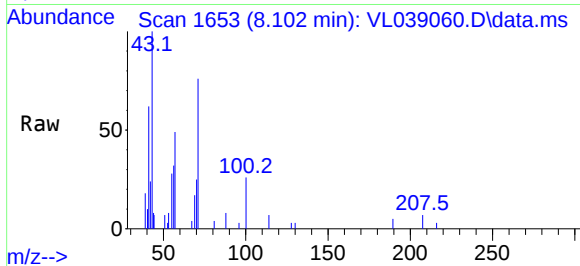
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Heptane
Concen: 0.024 ppbv
RT: 8.102 min Scan# 10
Delta R.T. -0.013 min
Lab File: VL039060.D
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Tgt Ion: 43 Resp: 3040
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7

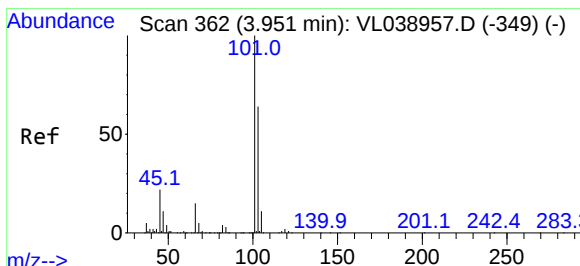
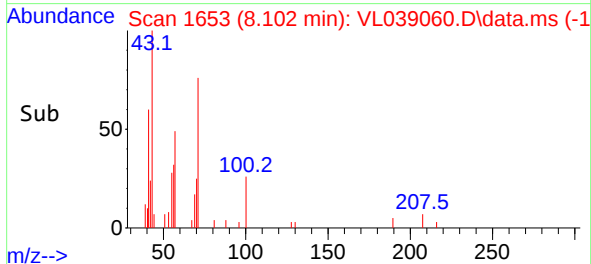
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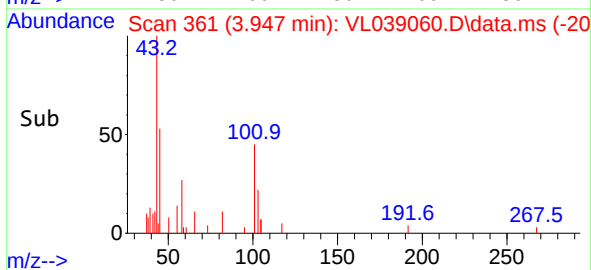
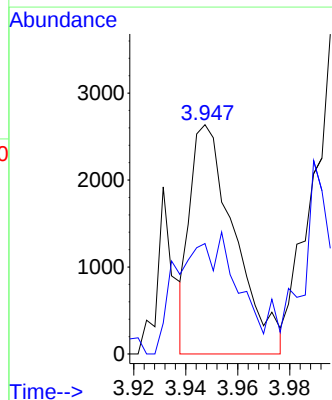
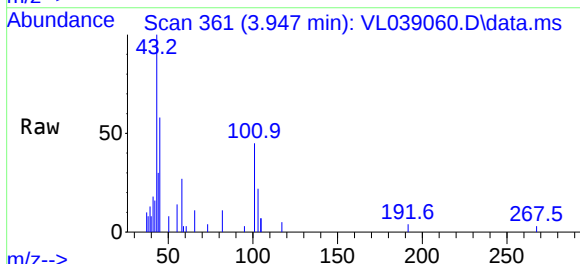
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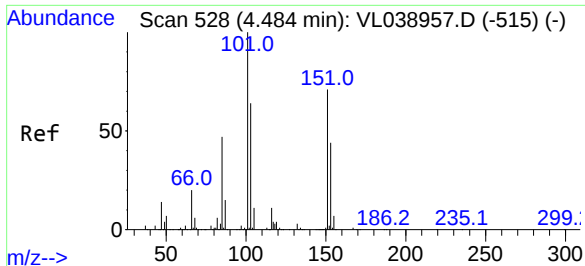
05/17/20
22



#11
Trichlorofluoromethane
Concen: 0.025 ppbv
RT: 3.947 min Scan# 361
Delta R.T. -0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

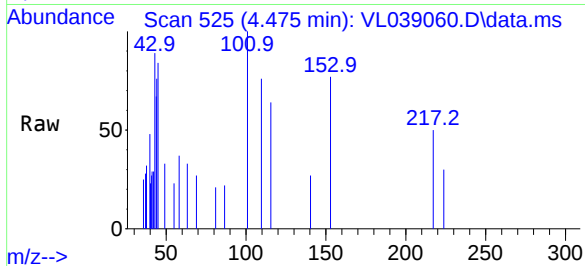
Tgt Ion:101 Resp: 3144
Ion Ratio Lower Upper
101 100
103 43.6 51.5 77.3#





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.002 ppbv
RT: 4.475 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

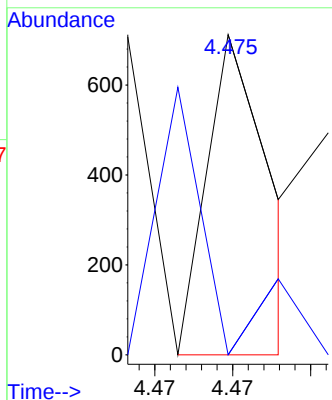
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:101 Resp: 204
Ion Ratio Lower Upper
101 100
151 161.8 55.4 83.0

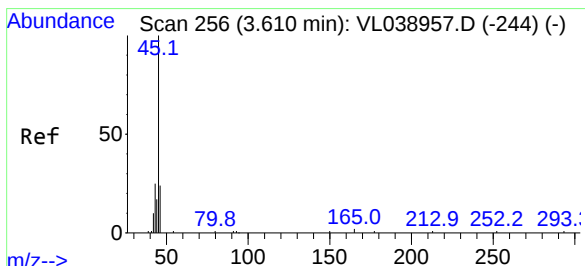
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Supervised By :Mahesh Dadoda 05/17/2022



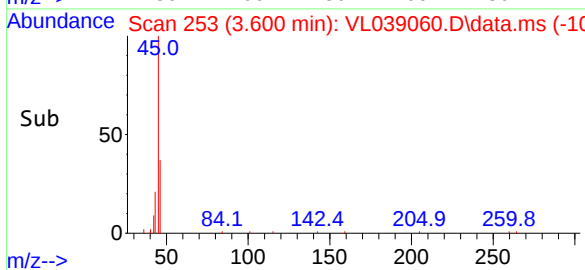
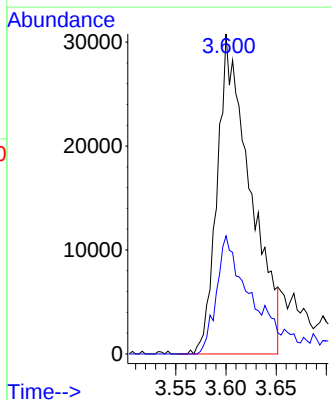
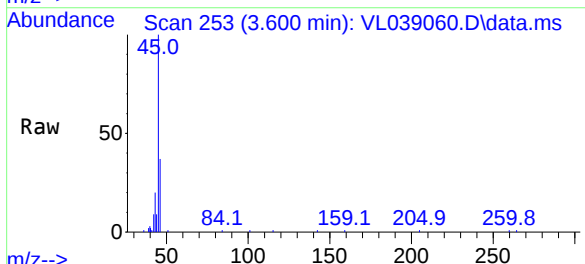
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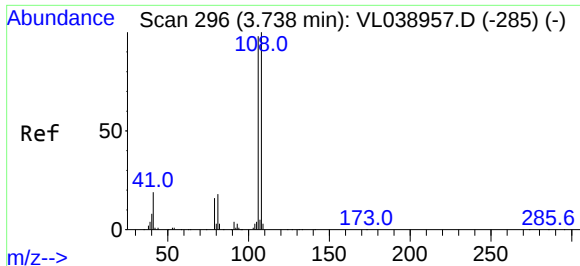
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#13
Ethanol
Concen: 19.326 ppbv m
RT: 3.600 min Scan# 253
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

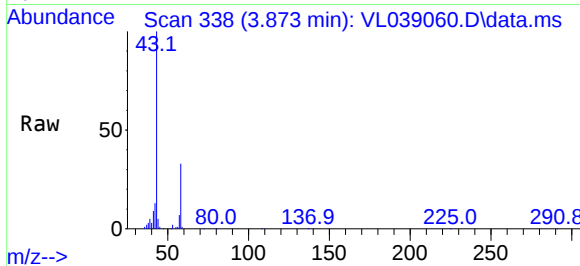
Tgt Ion: 45 Resp: 70522
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#





#14
Bromoethene
Concen: 0.001 ppbv
RT: 3.873 min Scan# 31
Delta R.T. 0.135 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

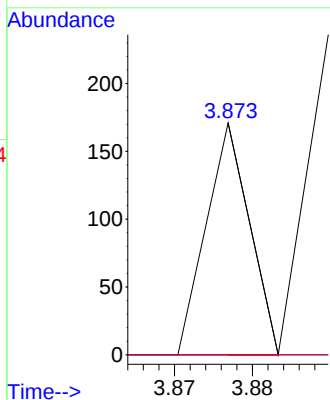
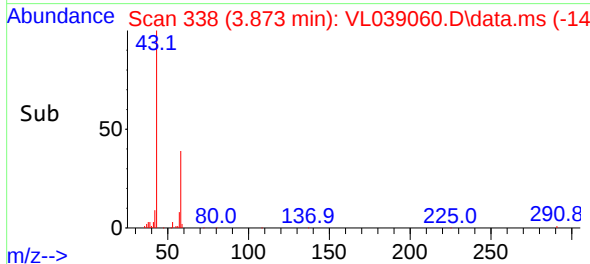
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:108 Resp: 31
Ion Ratio Lower Upper
108 100
106 0.0 90.3 135.5
79 163.6 14.9 22.3

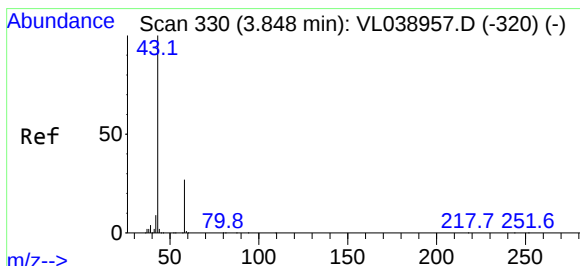
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Supervised By :Mahesh Dadoda 05/17/2022



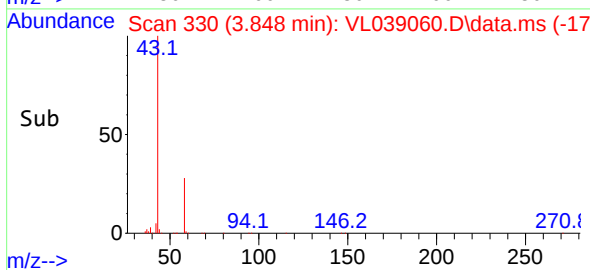
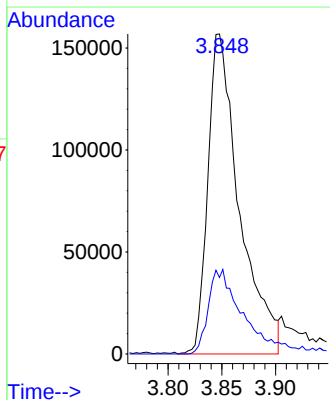
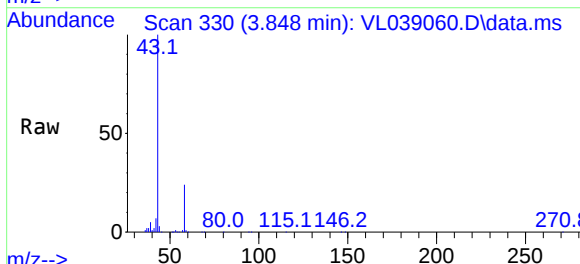
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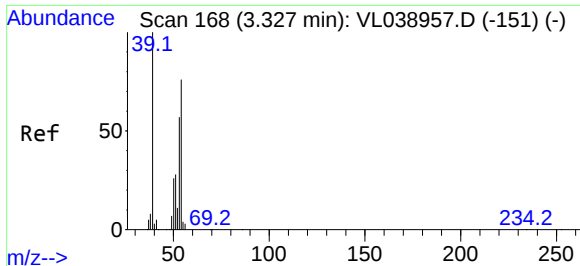
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#15
Acetone
Concen: 3.561 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.000 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

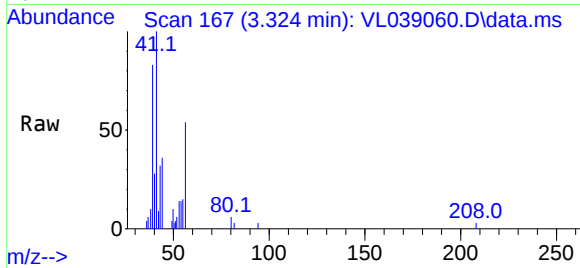
Tgt Ion: 43 Resp: 319613
Ion Ratio Lower Upper
43 100
58 29.6 21.3 31.9





#16
1,3-Butadiene
Concen: 0.028 ppbv
RT: 3.324 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

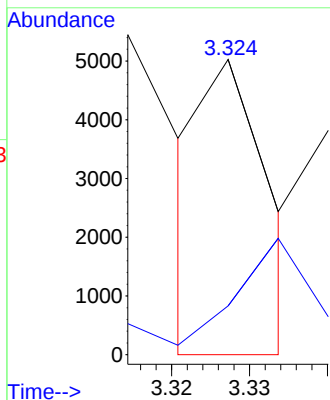
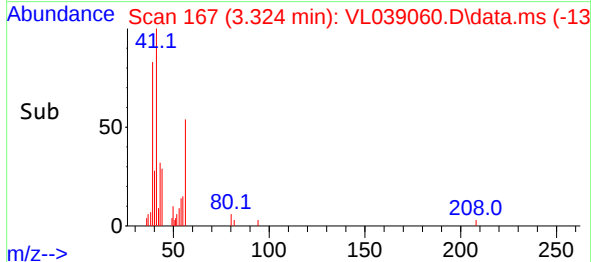
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 39 Resp: 1440
Ion Ratio Lower Upper
39 100
54 0.0 65.2 97.8

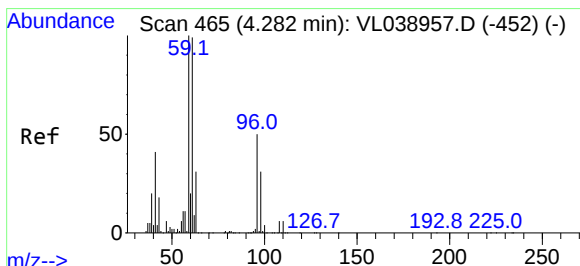
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Supervised By :Mahesh Dadoda 05/17/2022



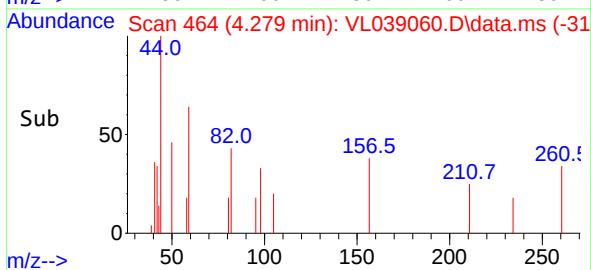
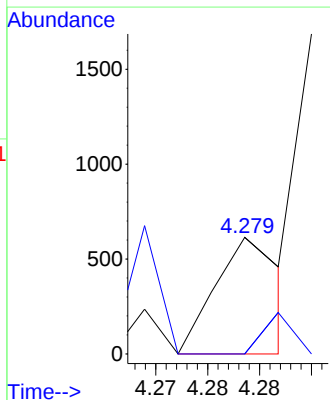
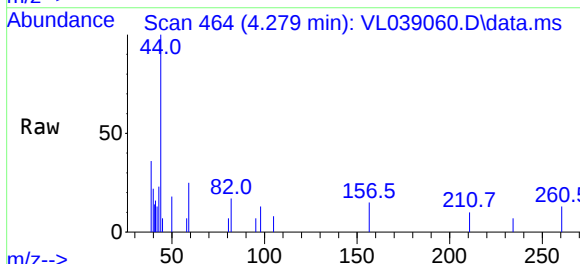
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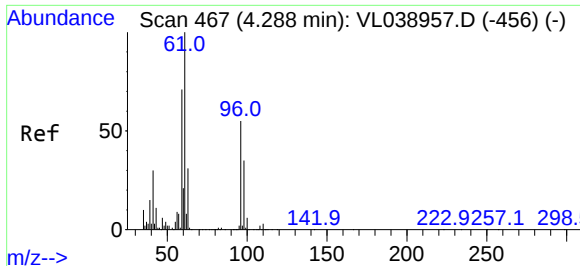
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#17
tert-Butyl alcohol
Concen: 0.004 ppbv
RT: 4.279 min Scan# 464
Delta R.T. -0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8





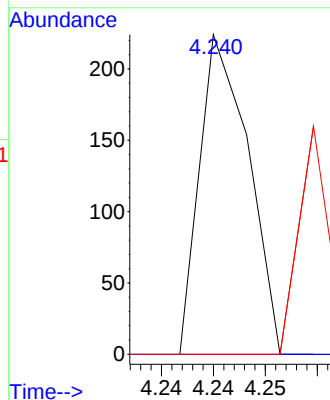
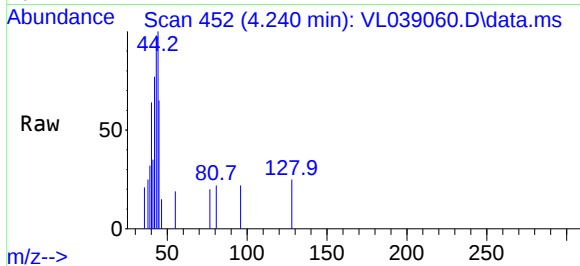
#18
1,1-Dichloroethene
Concen: 0.002 ppbv
RT: 4.240 min Scan# 41
Delta R.T. -0.048 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 96 Resp: 7
Ion Ratio Lower Upper
96 100
61 0.0 146.3 219.5
98 0.0 50.6 75.8

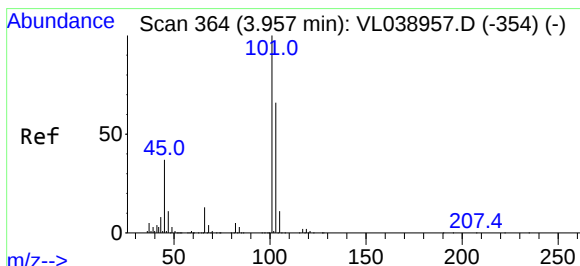
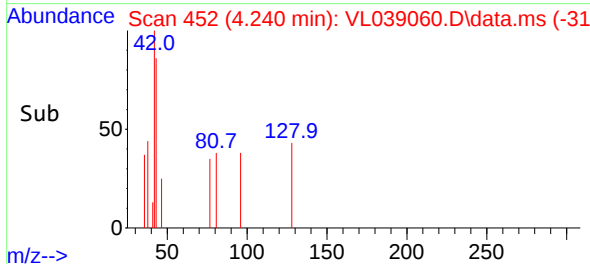
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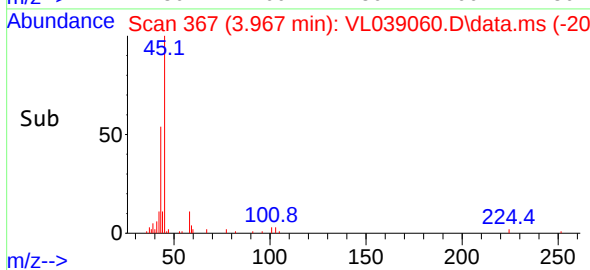
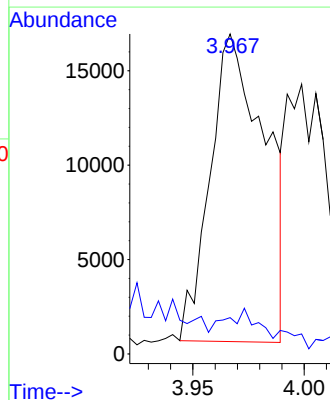
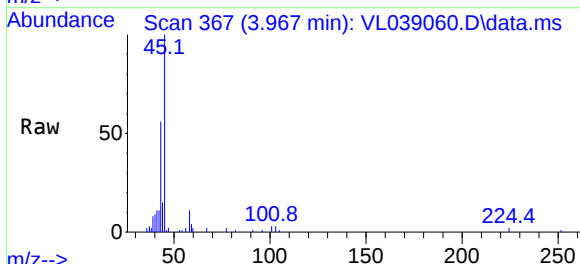
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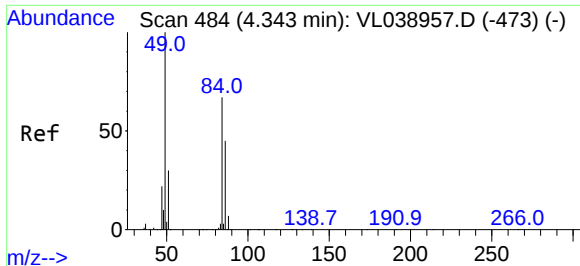
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#19
Isopropyl Alcohol
Concen: 0.653 ppbv
RT: 3.967 min Scan# 367
Delta R.T. 0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

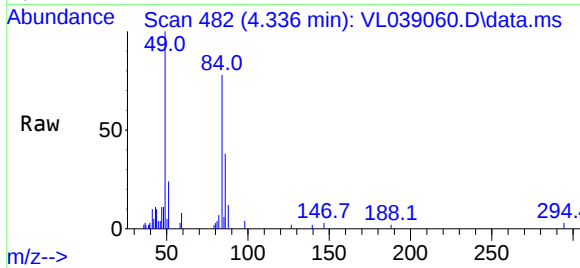
Tgt Ion: 45 Resp: 27869
Ion Ratio Lower Upper
45 100
58 11.3 1.4 2.2#





#20
Methylene Chloride
Concen: 0.357 ppbv m
RT: 4.336 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

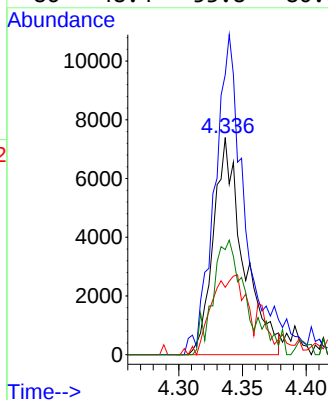
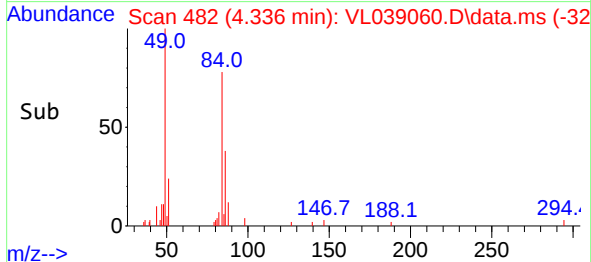
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 84 Resp: 1208
Ion Ratio Lower Upper
84 100
49 128.9 119.9 179.9
51 31.0 35.7 53.5
86 48.4 53.8 80.6#

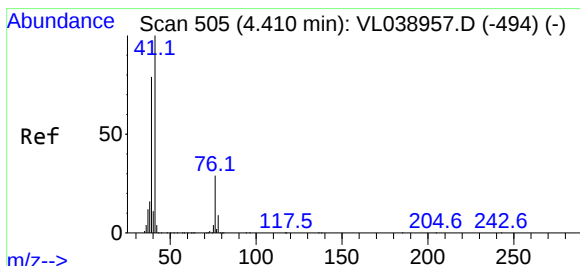
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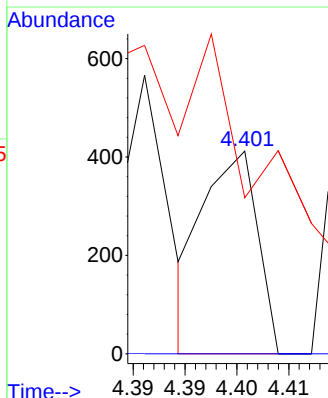
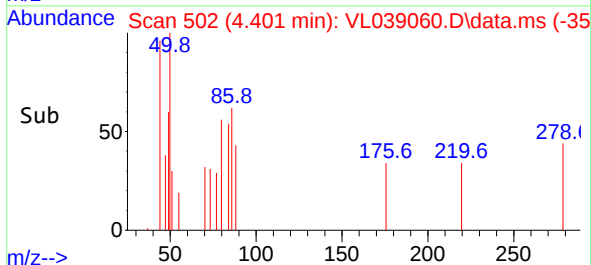
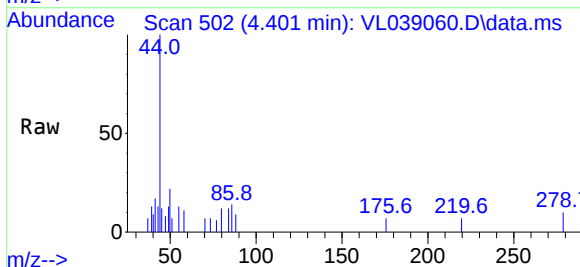
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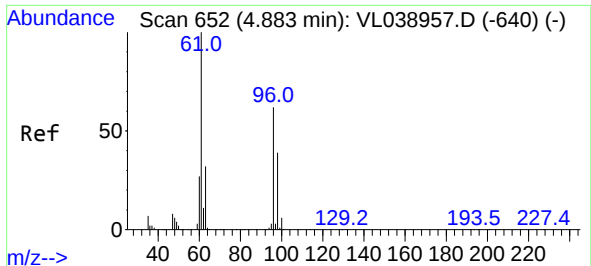
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#21
Allyl Chloride
Concen: 0.002 ppbv
RT: 4.401 min Scan# 502
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

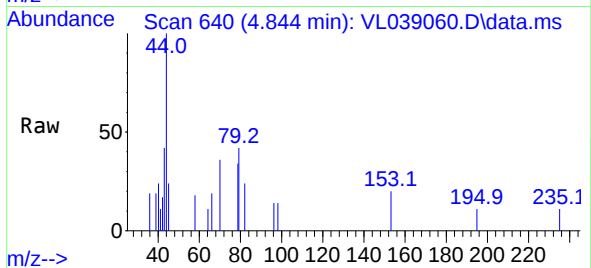
Tgt Ion: 41 Resp: 145
Ion Ratio Lower Upper
41 100
76 0.0 24.2 36.4#
39 0.0 63.8 95.8#





#22
trans-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 4.844 min Scan# 64
Delta R.T. -0.039 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

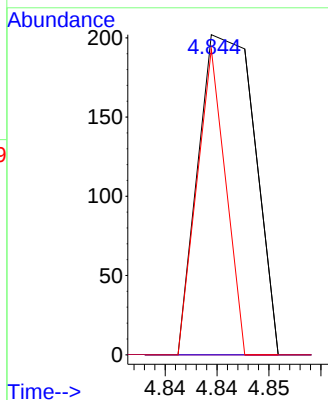
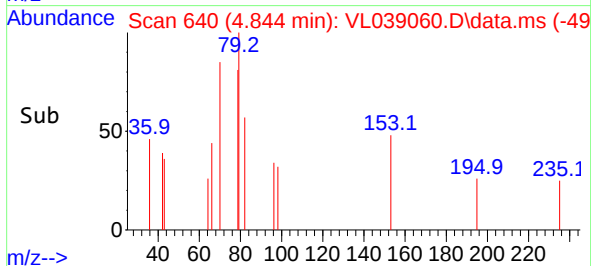
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 96 Resp: 70
Ion Ratio Lower Upper
96 100
61 0.0 128.2 192.2
98 95.5 50.1 75.1

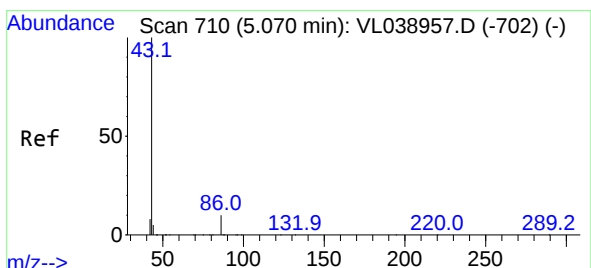
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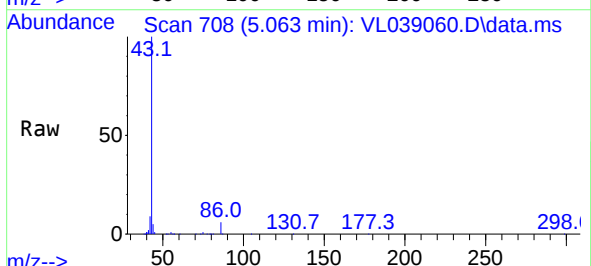


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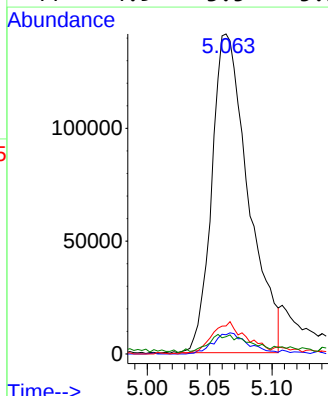
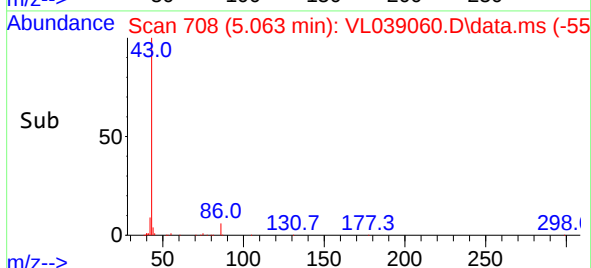
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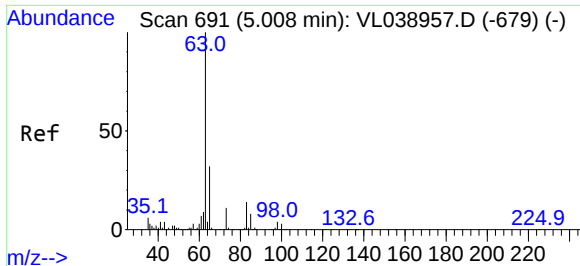


#23
Vinyl Acetate
Concen: 4.056 ppbv
RT: 5.063 min Scan# 708
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



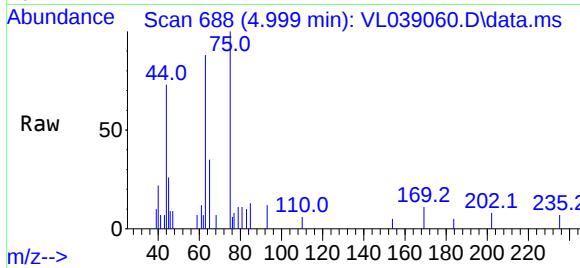
Tgt Ion: 43 Resp: 288049
Ion Ratio Lower Upper
43 100
86 6.5 6.6 9.8
42 8.8 8.1 12.1
44 4.9 3.5 5.3





#24
1,1-Dichloroethane
Concen: 0.021 ppbv
RT: 4.999 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

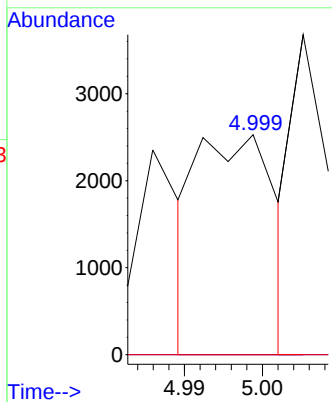
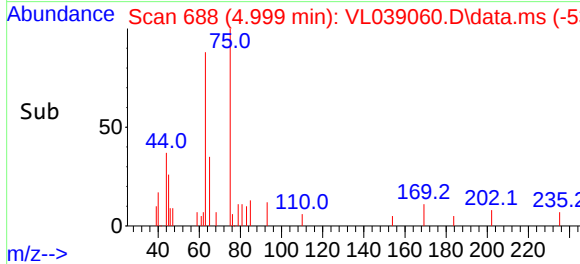
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 63 Resp: 1734
Ion Ratio Lower Upper
63 100
98 0.0 2.1 6.2
100 0.0 1.4 4.2

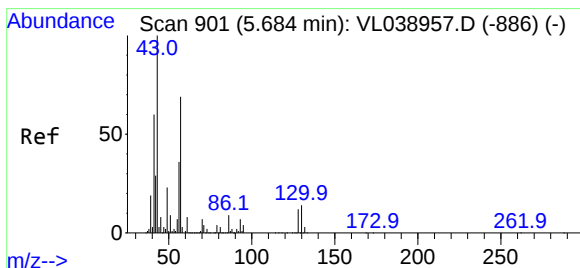
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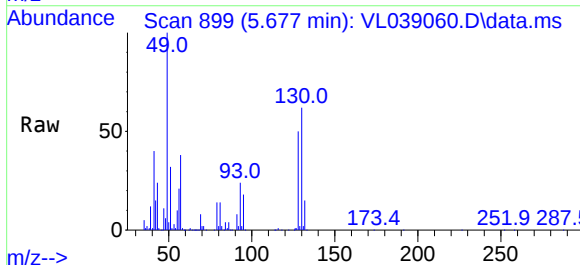


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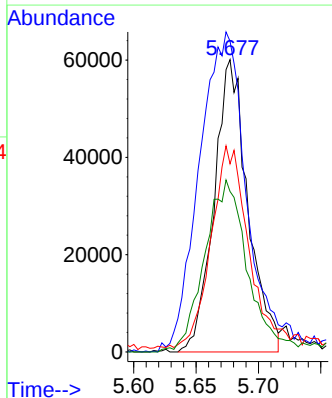
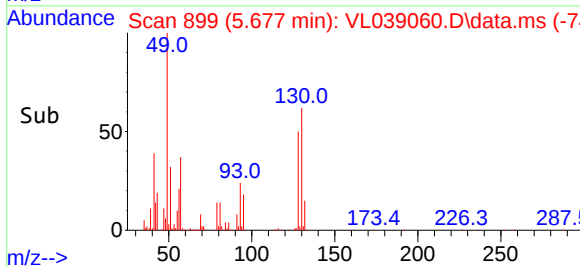
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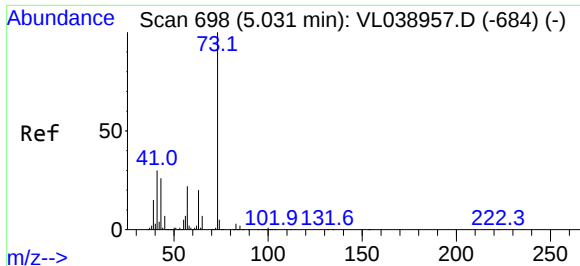


#26
Hexane
Concen: 1.190 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



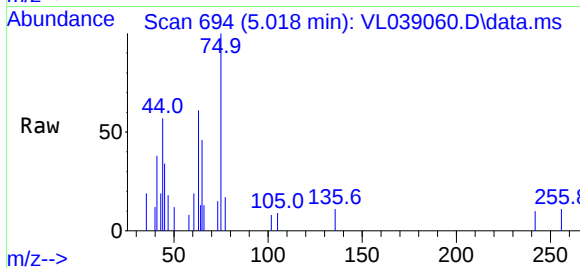
Tgt Ion: 57 Resp: 113600
Ion Ratio Lower Upper
57 100
41 160.5 75.2 112.8#
43 76.9 190.8 286.2#
56 77.7 43.0 64.6#





#28
Methyl tert-Butyl Ether
Concen: 0.001 ppbv
RT: 5.018 min Scan# 698
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

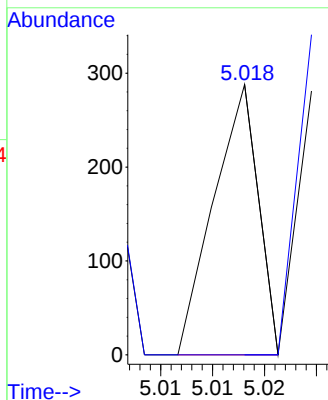
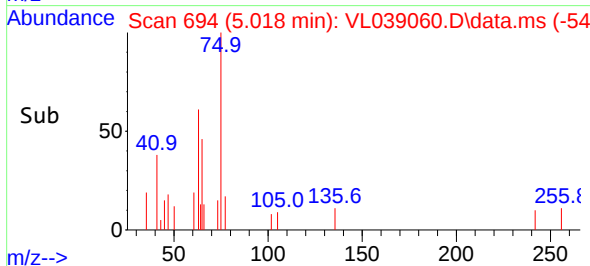
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 73 Resp: 80
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2

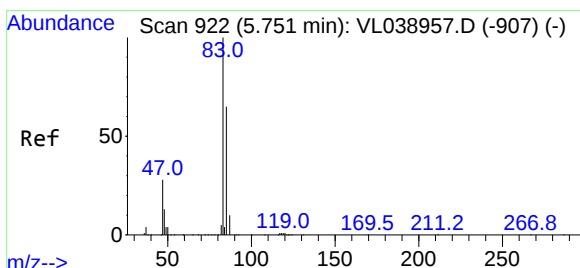
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Supervised By :Mahesh Dadoda 05/17/2022

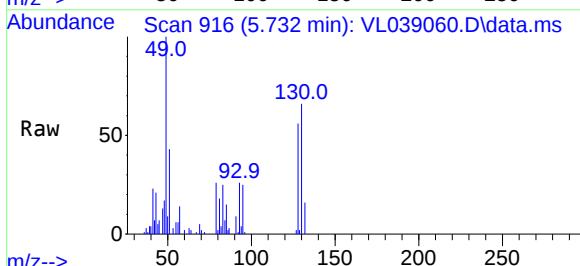


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Supervised By :Mahesh
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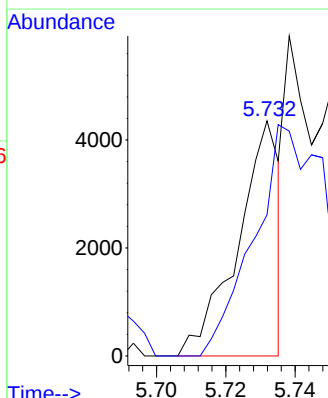
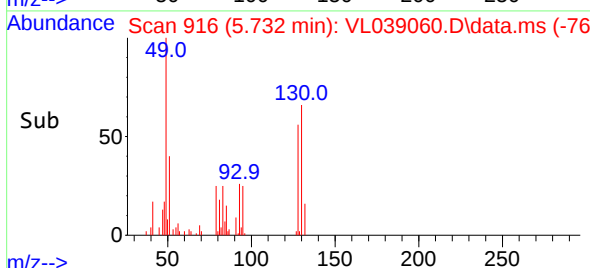
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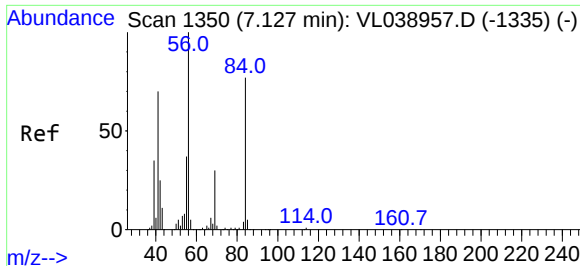


#29
Chloroform
Concen: 0.024 ppbv
RT: 5.732 min Scan# 916
Delta R.T. -0.019 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



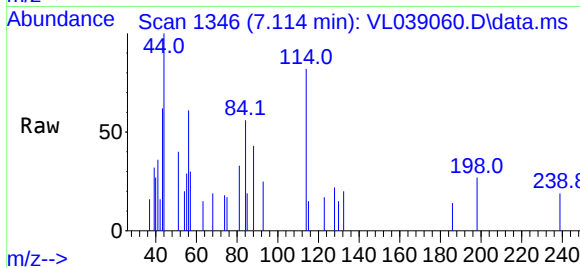
Tgt Ion: 83 Resp: 3659
Ion Ratio Lower Upper
83 100
85 60.1 51.8 77.6





#30
Cyclohexane
Concen: 0.002 ppbv
RT: 7.114 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

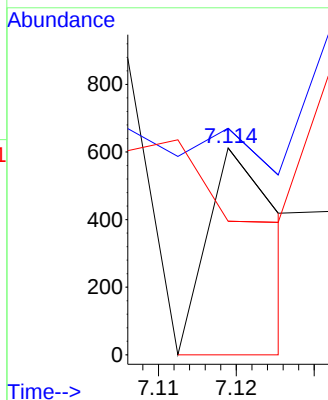
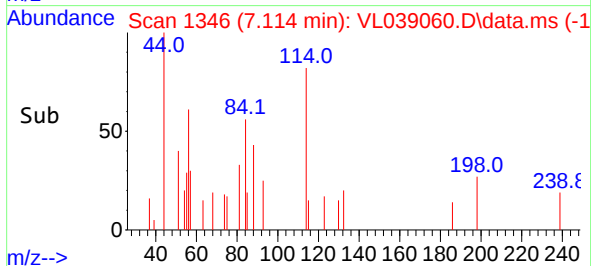
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 84 Resp: 199
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9
41 0.0 72.0 108.0

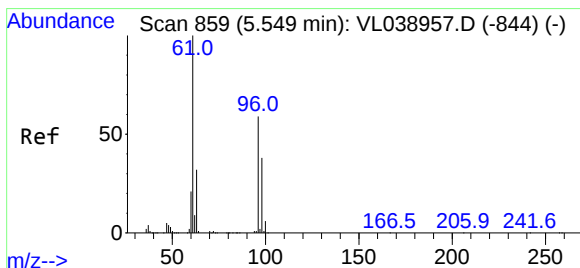
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Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022



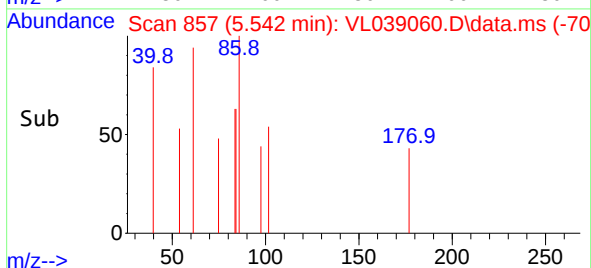
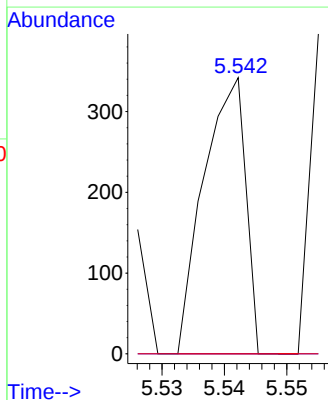
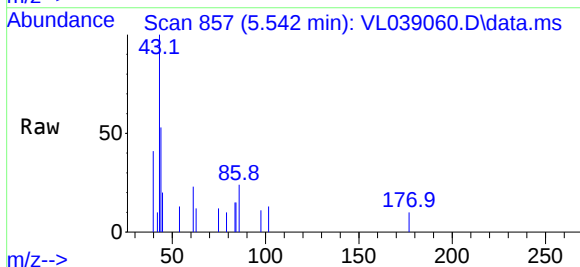
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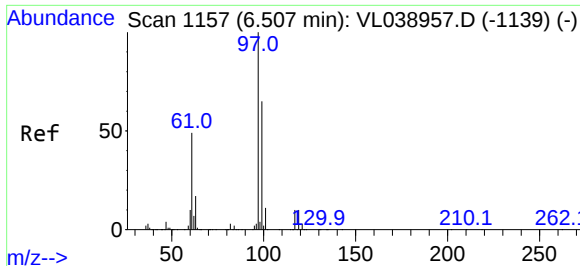
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#31
cis-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 5.542 min Scan# 857
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

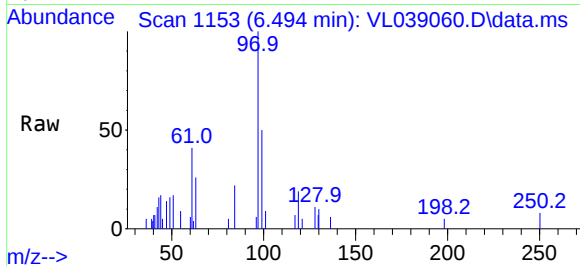
Tgt Ion: 61 Resp: 159
Ion Ratio Lower Upper
61 100
96 0.0 47.4 71.0#
98 0.0 30.6 45.8#





#32
1,1,1-Trichloroethane
Concen: 0.048 ppbv m
RT: 6.494 min Scan# 1153
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

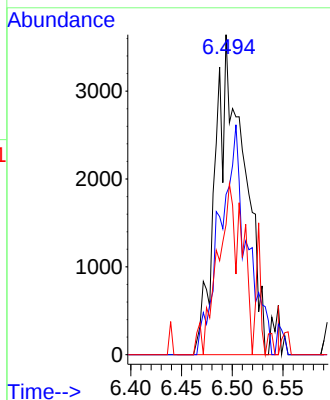
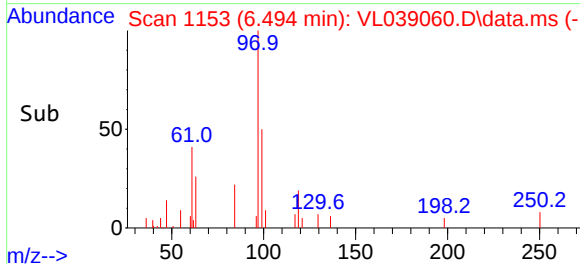
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 97 Resp: 7430
Ion Ratio Lower Upper
97 100
99 0.0 51.9 77.9
61 0.0 40.9 61.3

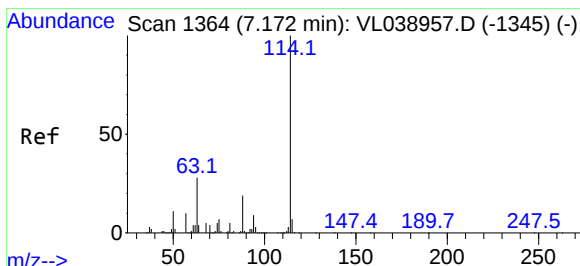
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Supervised By :Mahesh Dadoda 05/17/2022

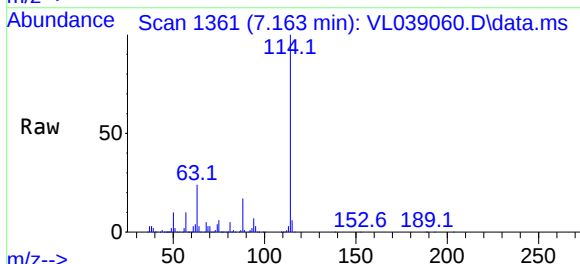


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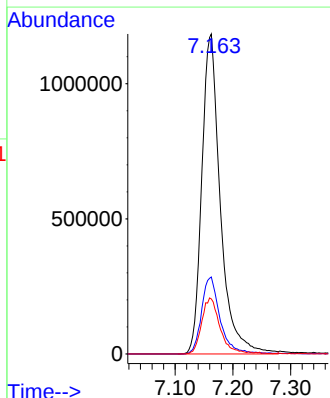
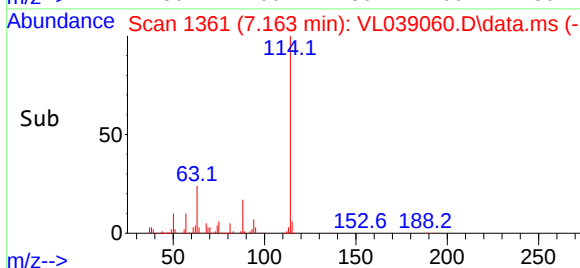
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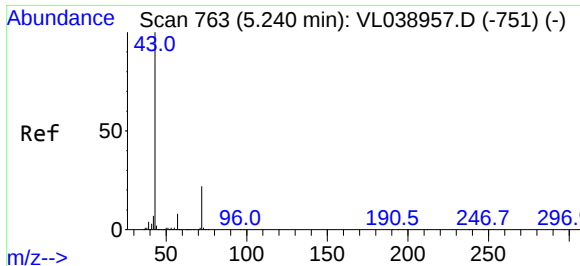


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 1361
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



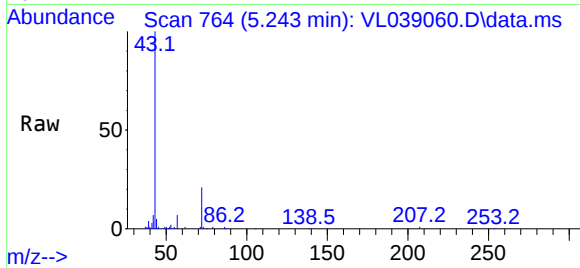
Tgt Ion:114 Resp: 2641775
Ion Ratio Lower Upper
114 100
63 24.3 22.6 33.8
88 17.5 15.4 23.0





#34
2-Butanone
Concen: 0.636 ppbv
RT: 5.243 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

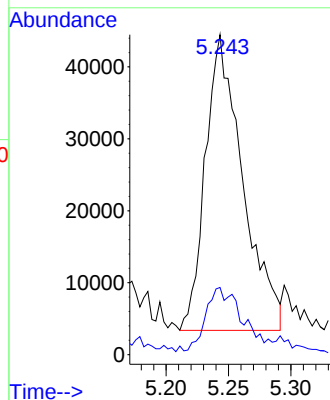
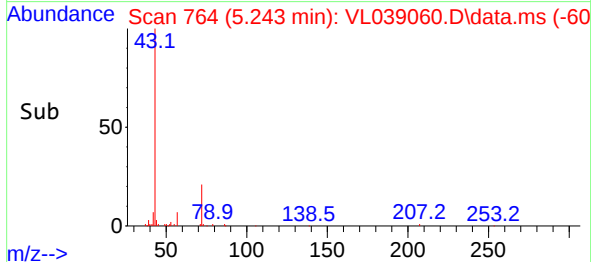
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 43 Resp: 85672
Ion Ratio Lower Upper
43 100
72 26.7 17.8 26.6

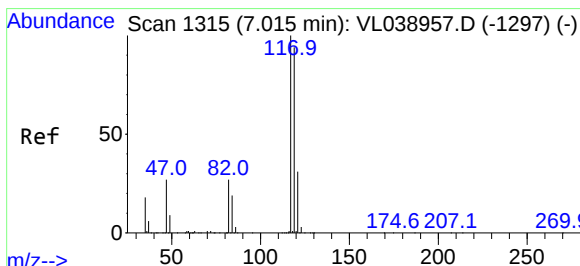
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Supervised By :Mahesh Dadoda 05/17/2022

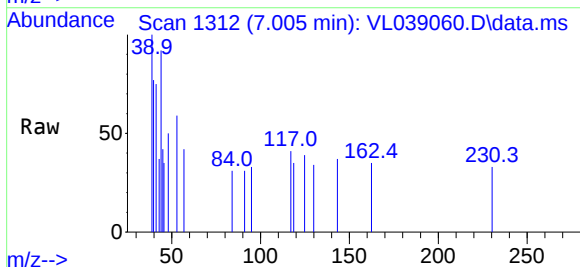


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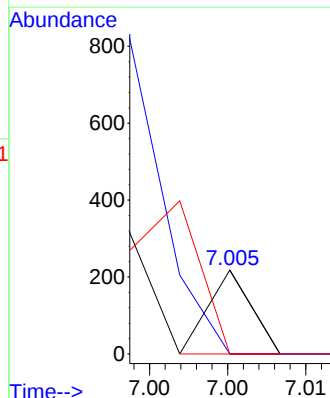
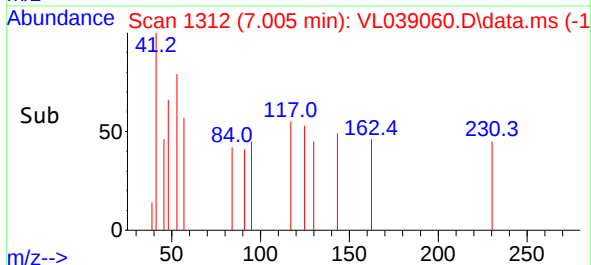
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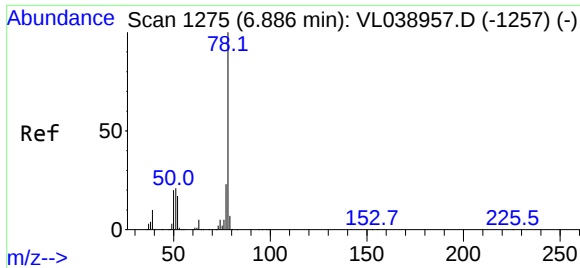


#35
Carbon Tetrachloride
Concen: 0.000 ppbv
RT: 7.005 min Scan# 1312
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



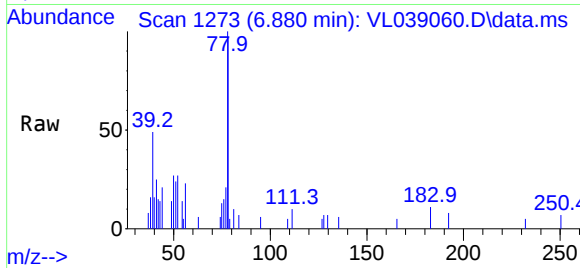
Tgt Ion:117 Resp: 42
Ion Ratio Lower Upper
117 100
119 0.0 75.2 112.8#
121 0.0 24.6 37.0#





#36
Benzene
Concen: 0.019 ppbv
RT: 6.880 min Scan# 1116
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

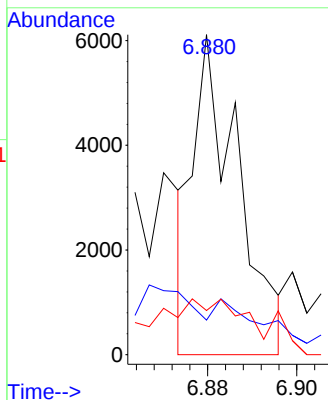
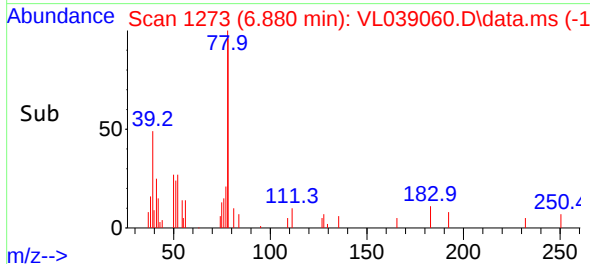
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 78 Resp: 424
Ion Ratio Lower Upper
78 100
77 0.2 18.6 28.0
50 2.7 15.6 23.4

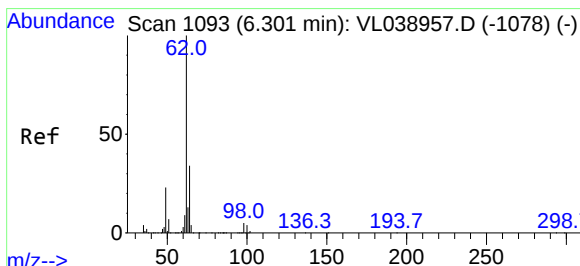
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Supervised By :Mahesh Dadoda 05/17/2022

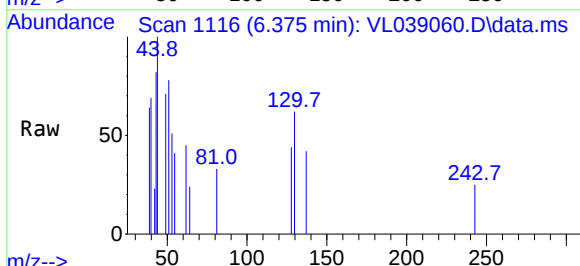


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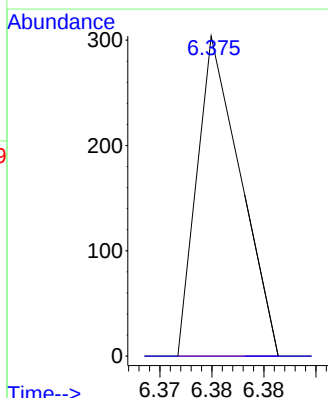
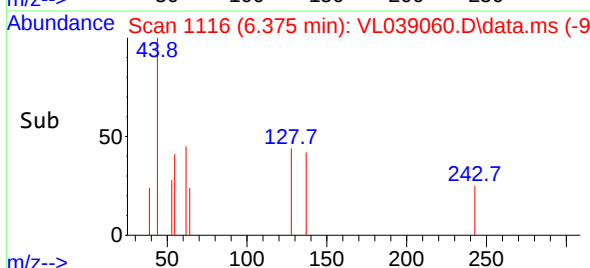
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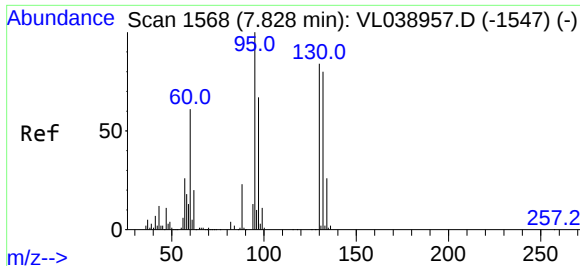


#37
1,2-Dichloroethane
Concen: 0.001 ppbv
RT: 6.375 min Scan# 1116
Delta R.T. 0.074 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



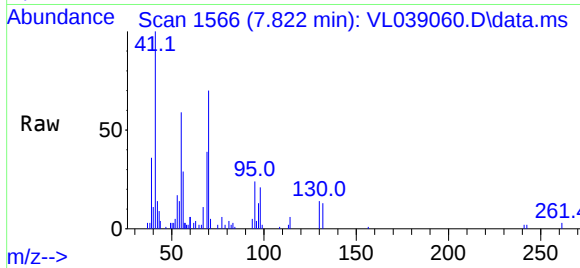
Tgt Ion: 62 Resp: 88
Ion Ratio Lower Upper
62 100
98 0.0 4.5 6.7





#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 7.822 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

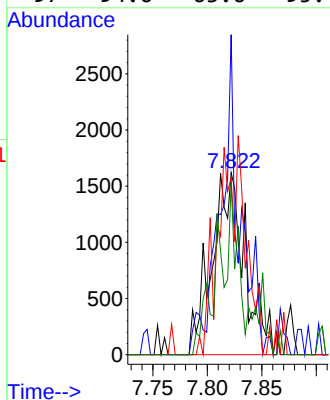
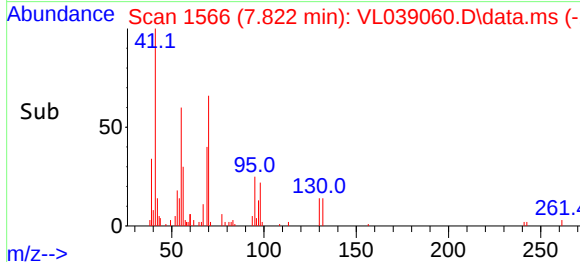
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion	Ratio	Lower	Upper
130	100		
95	175.8	94.8	142.2
132	97.2	75.8	113.8
97	94.6	63.6	95.4

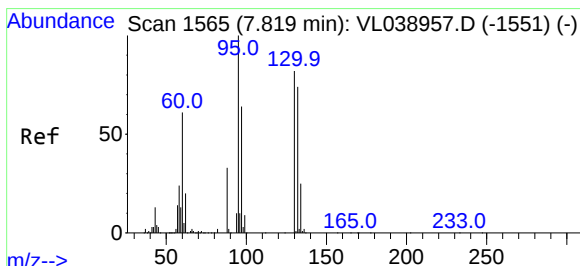
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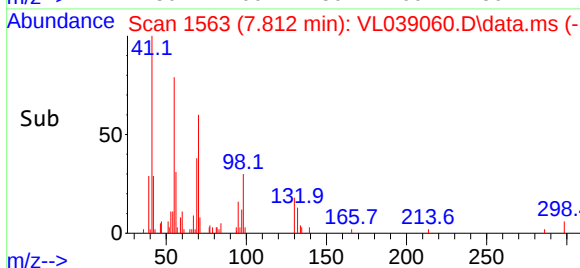
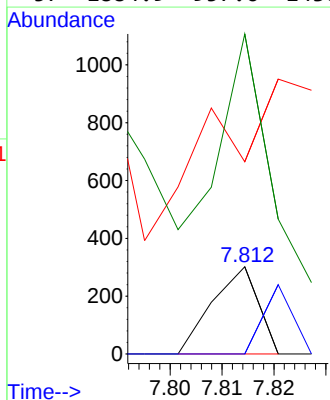
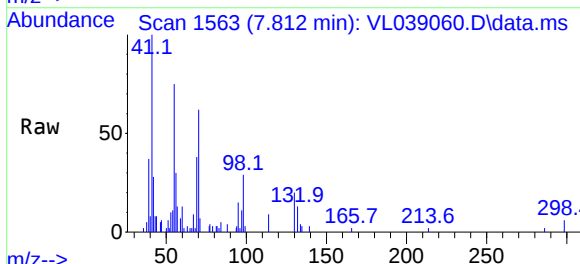
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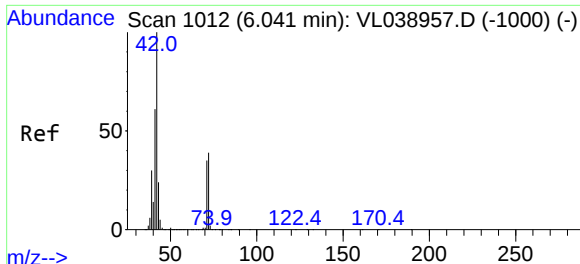
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#40
1,4-Dioxane
Concen: 0.003 ppbv
RT: 7.812 min Scan# 1563
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

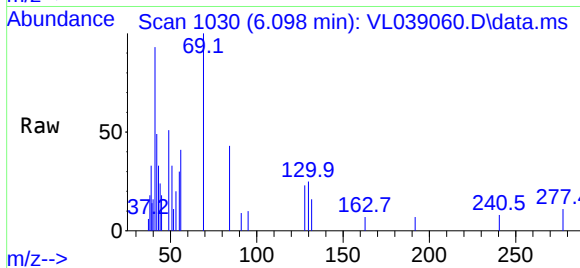
Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.1	159.1#
43	0.0	222.9	334.3#
57	1884.9	957.6	1436.4#





#41
Tetrahydrofuran
Concen: 0.007 ppbv
RT: 6.098 min Scan# 1030
Delta R.T. 0.058 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

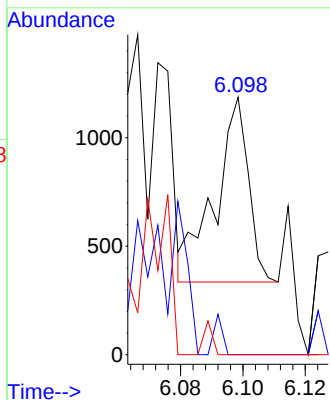
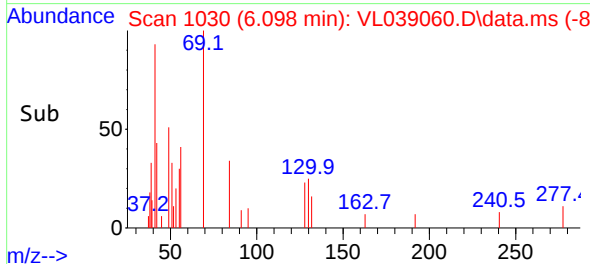
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:	42	Resp:	63
Ion	Ratio	Lower	Upper
42	100		
72	133.8	31.8	47.6
71	77.8	30.6	45.8

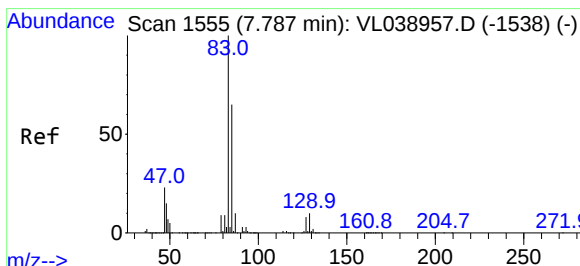
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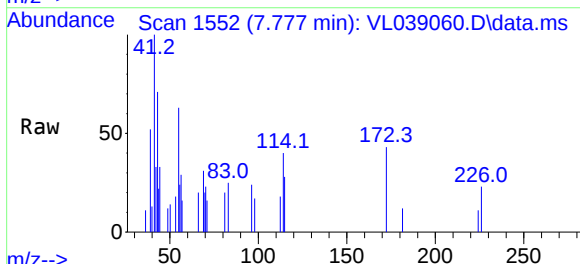


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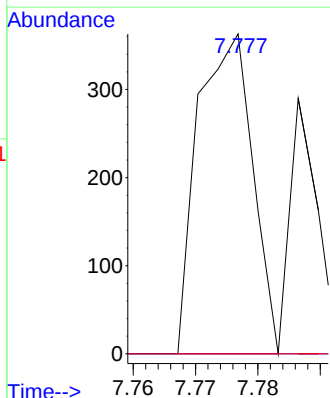
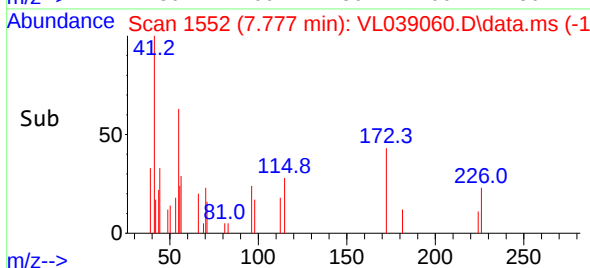
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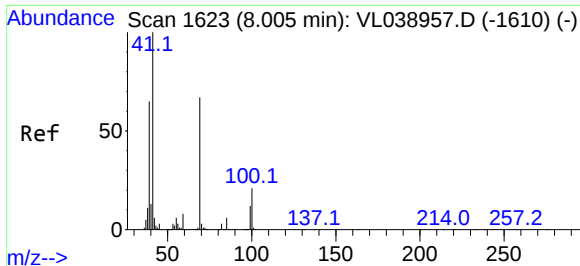


#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 7.777 min Scan# 1552
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



Tgt Ion:	83	Resp:	220
Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.0	78.0#
127	0.0	6.0	9.0#





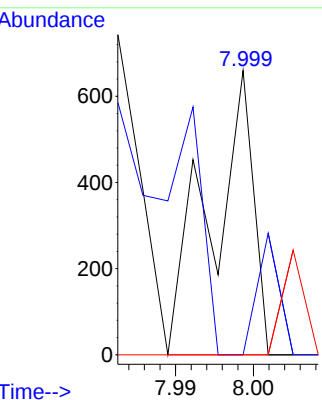
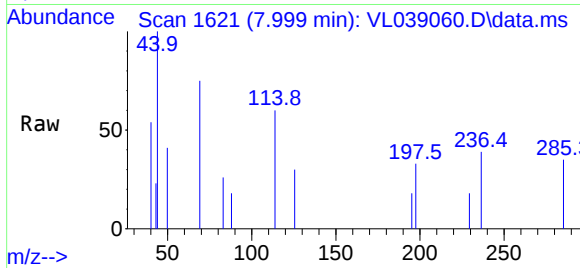
#43
Methyl Methacrylate
Concen: 0.003 ppbv
RT: 7.999 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 69 Resp: 253
Ion Ratio Lower Upper
69 100
41 0.0 121.9 182.9#
100 0.0 24.6 36.8#

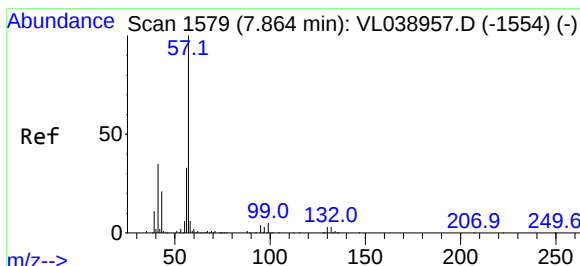
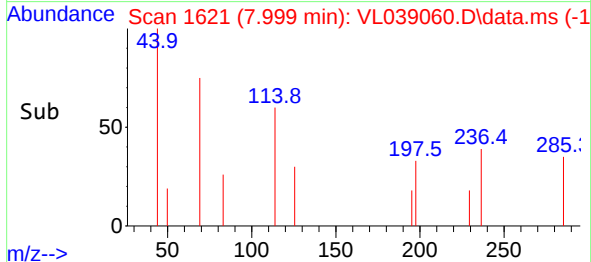
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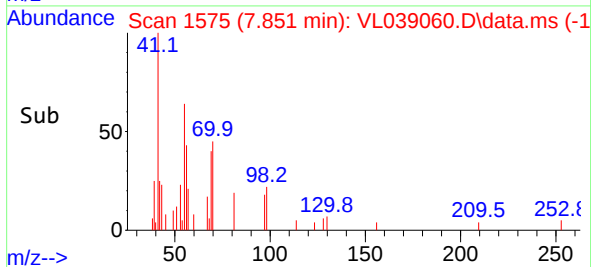
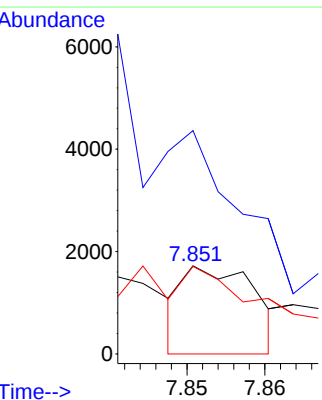
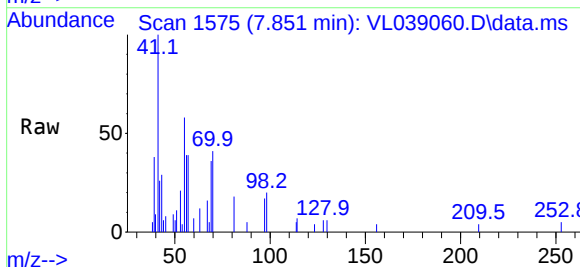
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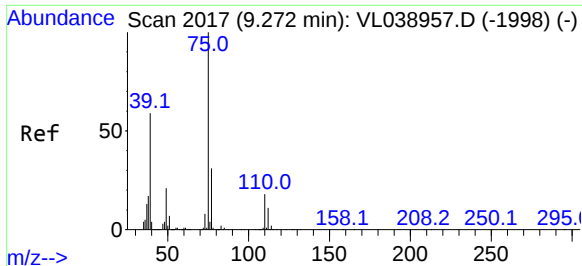
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#44
2,2,4-Trimethylpentane
Concen: 0.003 ppbv
RT: 7.851 min Scan# 1575
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 57 Resp: 1095
Ion Ratio Lower Upper
57 100
41 0.0 26.3 39.5#
56 0.0 24.6 37.0#





#45
t-1,3-Dichloropropene
Concen: 0.000 ppbv
RT: 9.259 min Scan# 2013
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :

MSVOA_L

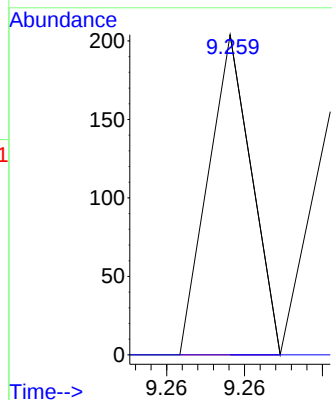
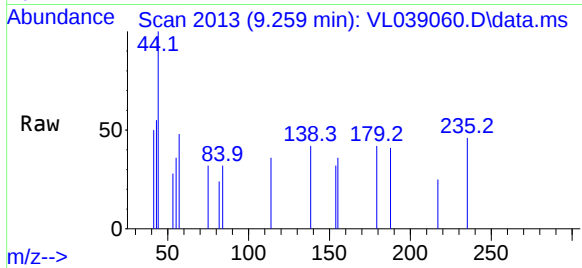
ClientSampleId :

SV3DL

Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0

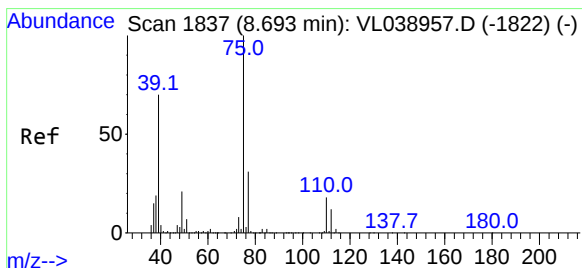
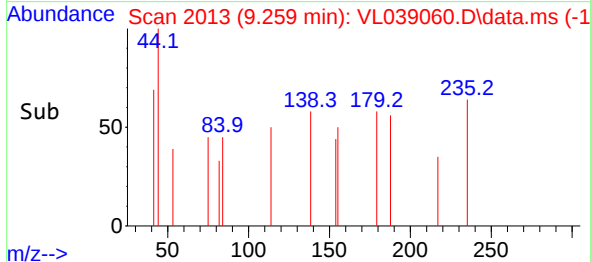
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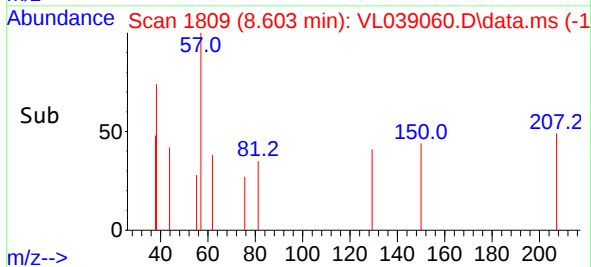
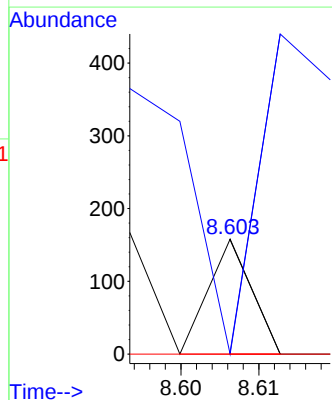
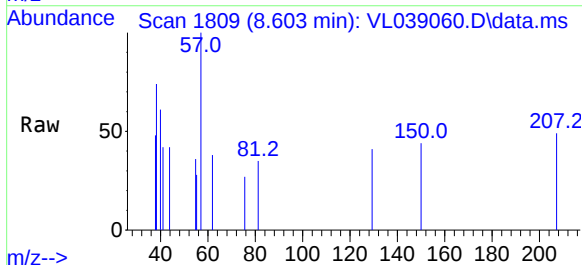
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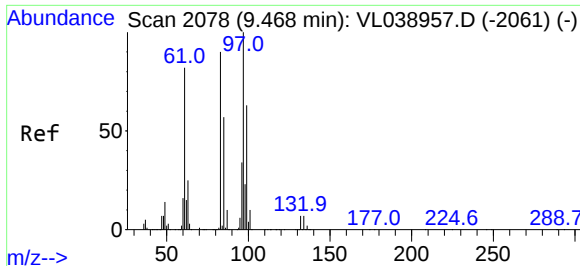
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#46
cis-1,3-Dichloropropene
Concen: 0.000 ppbv
RT: 8.603 min Scan# 1809
Delta R.T. -0.090 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
39 0.0 55.8 83.6#
77 0.0 24.8 37.2#





#47
1,1,2-Trichloroethane
Concen: 0.001 ppbv
RT: 9.330 min Scan# 2078
Delta R.T. -0.138 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

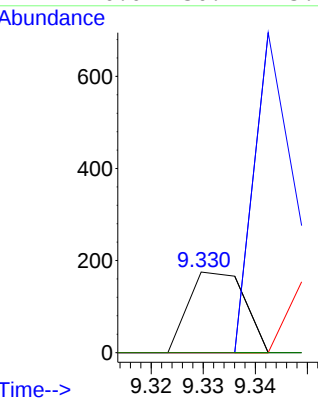
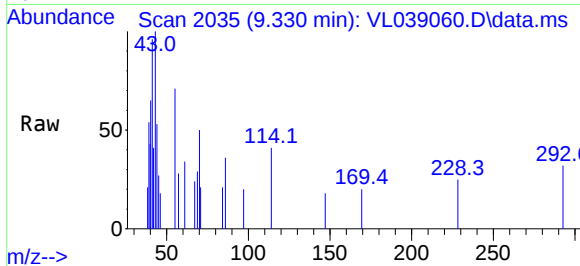
Tgt Ion: 97 Resp: 60

Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.0	108.0
85	0.0	45.7	68.5
99	0.0	50.2	75.4

Manual Integrations

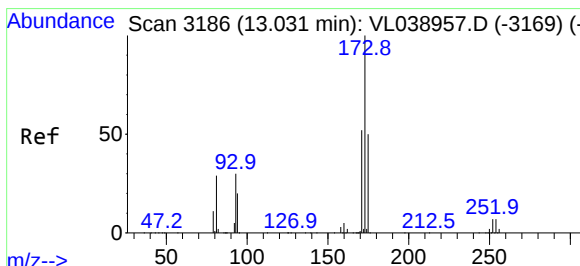
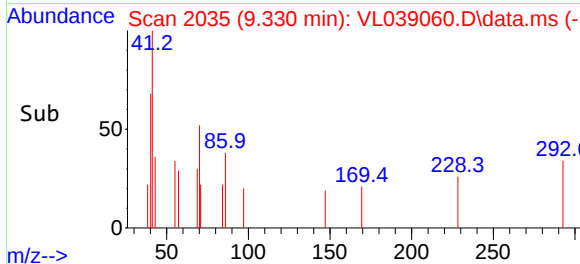
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022



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Supervised By :Mahesh
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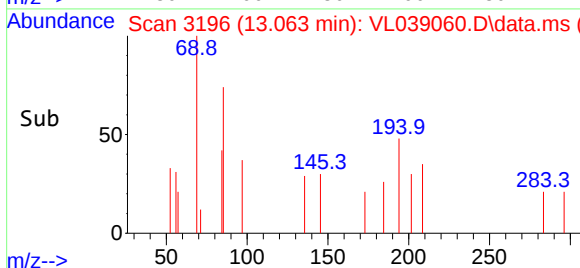
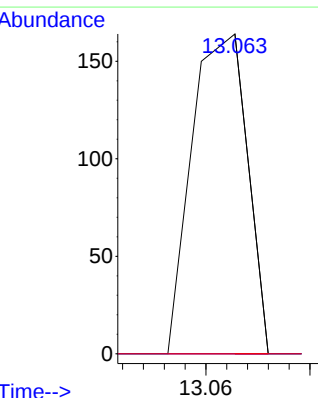
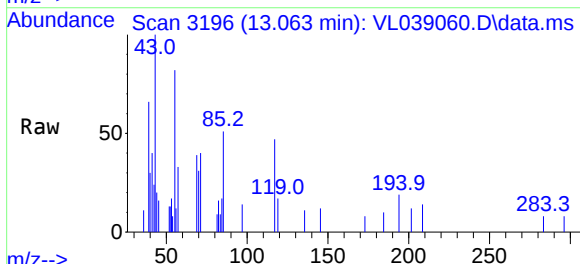
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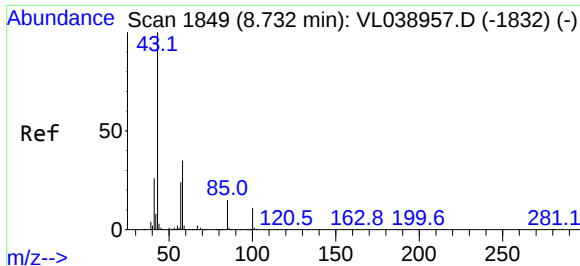


#49
Bromoform
Concen: 0.001 ppbv
RT: 13.063 min Scan# 3196
Delta R.T. 0.032 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion:173 Resp: 60

Ion	Ratio	Lower	Upper
173	100		
175	115.0	41.0	61.6
171	0.0	42.6	64.0





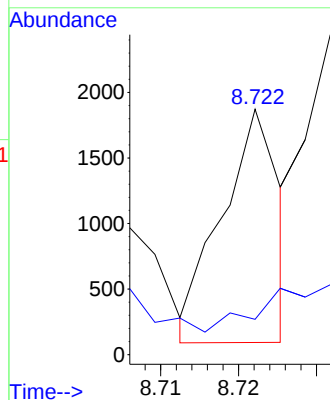
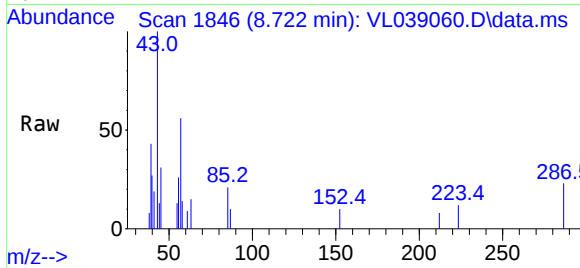
#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 8.722 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6

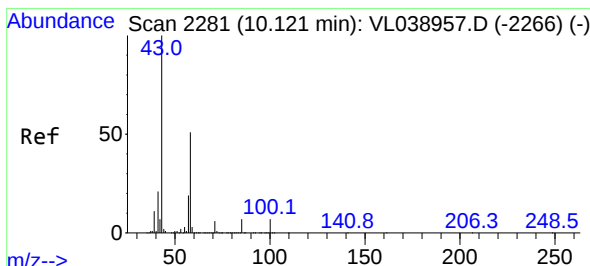
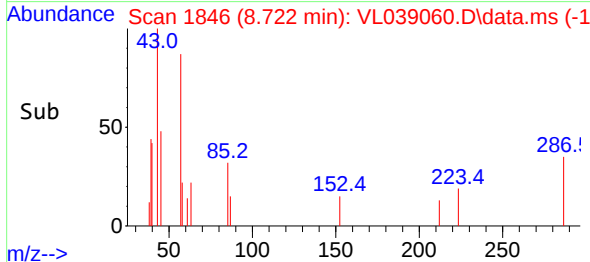
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Supervised By :Mahesh Dadoda 05/17/2022



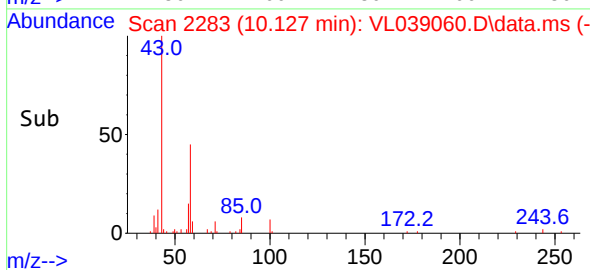
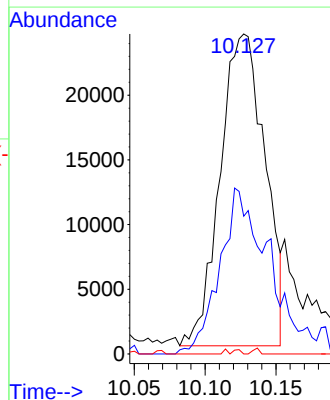
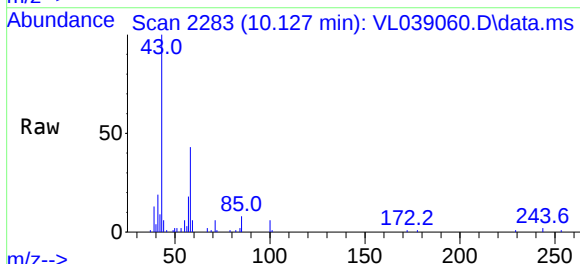
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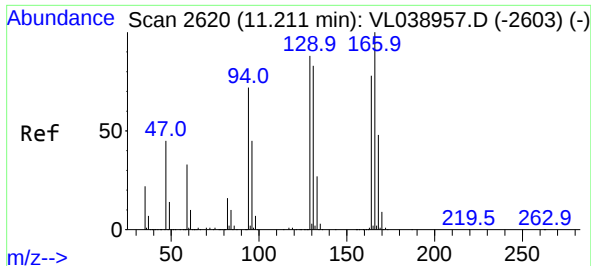
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#51
2-Hexanone
Concen: 0.308 ppbv
RT: 10.127 min Scan# 2283
Delta R.T. 0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

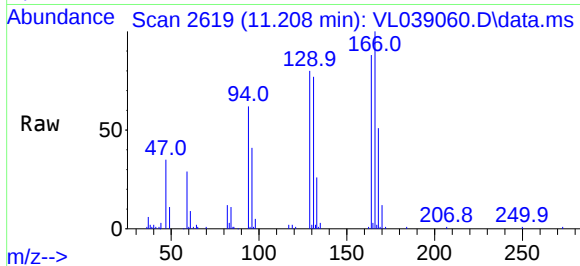
Tgt Ion: 43 Resp: 53140
Ion Ratio Lower Upper
43 100
58 65.5 39.3 58.9#
98 0.5 0.2 0.2#





#52
Tetrachloroethene
Concen: 0.892 ppbv m
RT: 11.208 min Scan# 2120
Delta R.T. -0.003 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

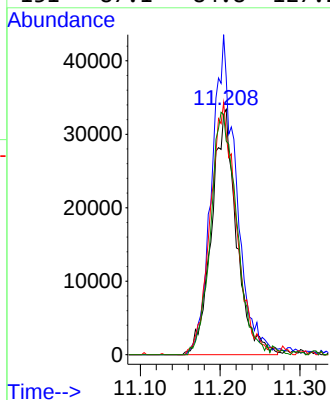
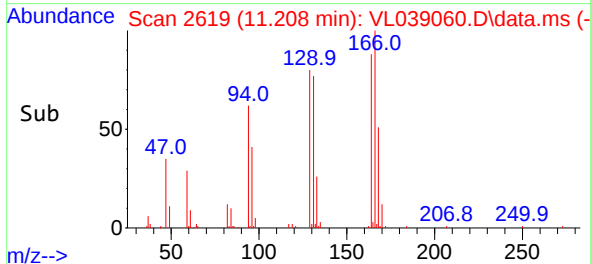
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:164 Resp: 72094
Ion Ratio Lower Upper
164 100
166 113.2 102.5 153.7
129 90.2 90.1 135.1
131 87.1 84.8 127.2

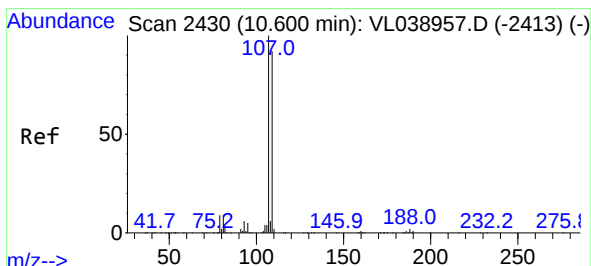
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Supervised By :Mahesh Dadoda 05/17/2022

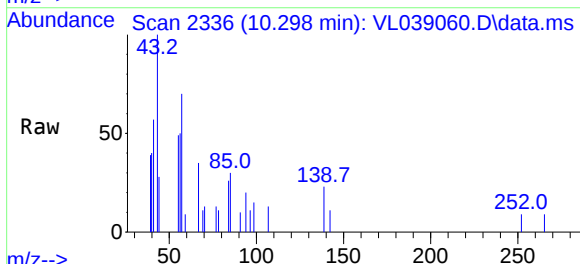


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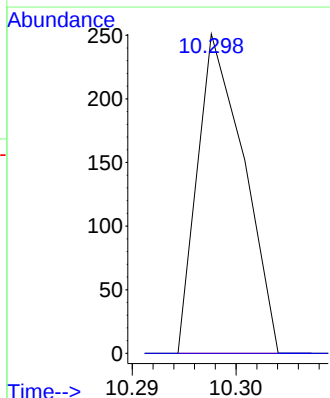
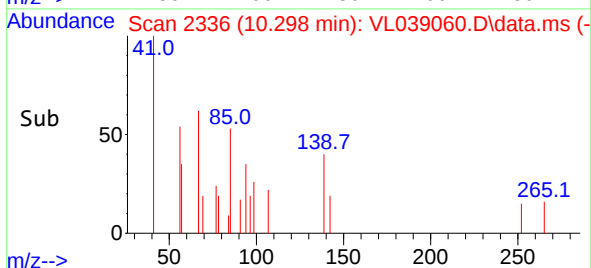
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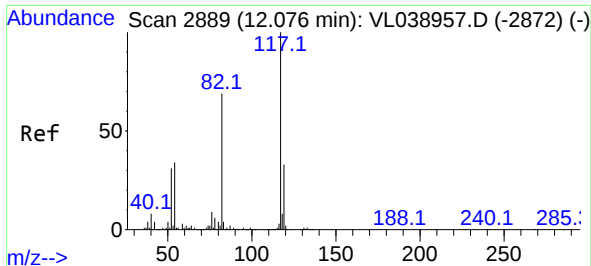


#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 10.298 min Scan# 2336
Delta R.T. -0.302 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



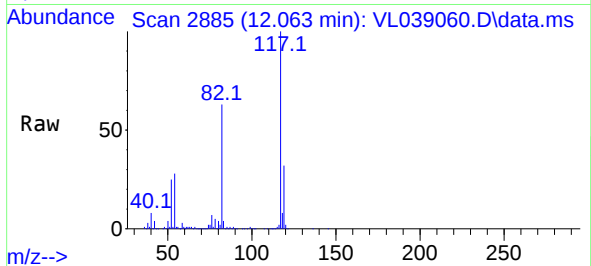
Tgt Ion:107 Resp: 78
Ion Ratio Lower Upper
107 100
109 0.0 73.8 110.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 211
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

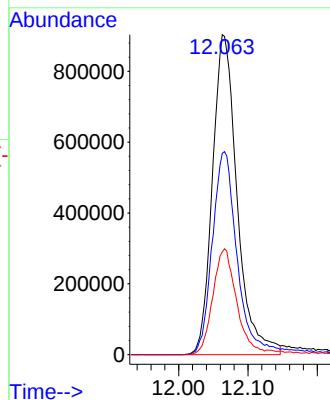
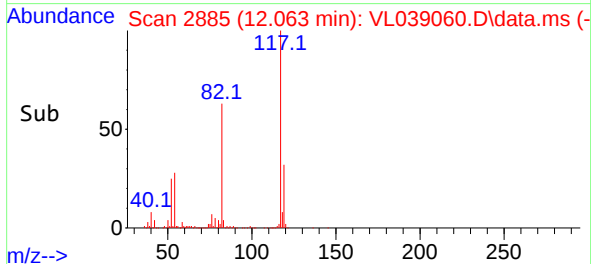
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:117 Resp: 2233480
Ion Ratio Lower Upper
117 100
82 65.5 57.0 85.6
119 33.1 27.2 40.8

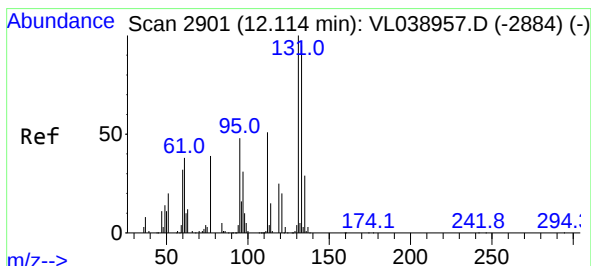
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Supervised By :Mahesh Dadoda 05/17/2022

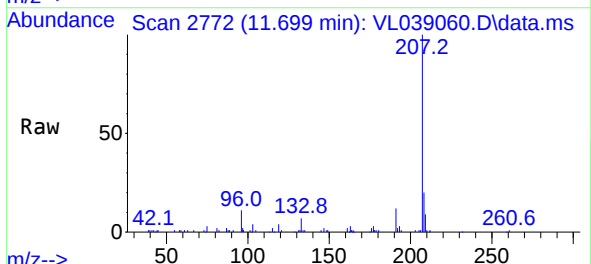


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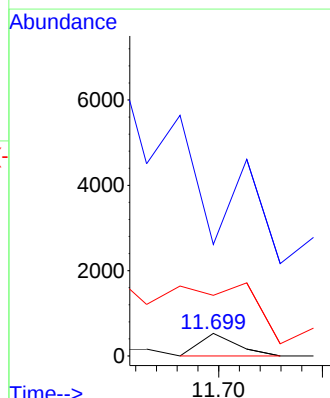
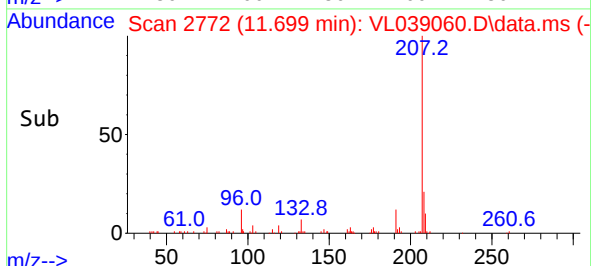
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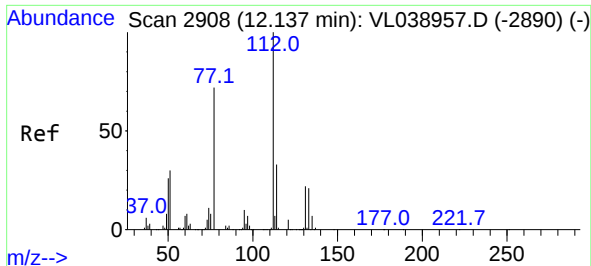


#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 11.699 min Scan# 2772
Delta R.T. -0.415 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



Tgt Ion:131 Resp: 133
Ion Ratio Lower Upper
131 100
133 0.0 76.9 115.3#
119 0.0 47.4 71.0#





#57

Chlorobenzene

Concen: 0.000 ppbv

RT: 12.098 min Scan# 21

Delta R.T. -0.039 min

Lab File: VL039060.D

Acq: 14 May 2022 6:35

Instrument :

MSVOA_L

ClientSampleId :

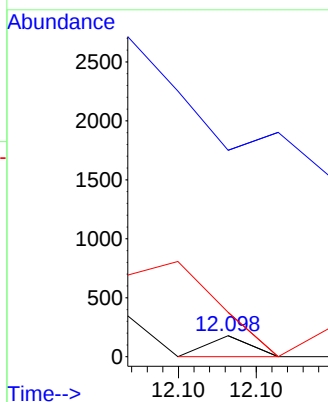
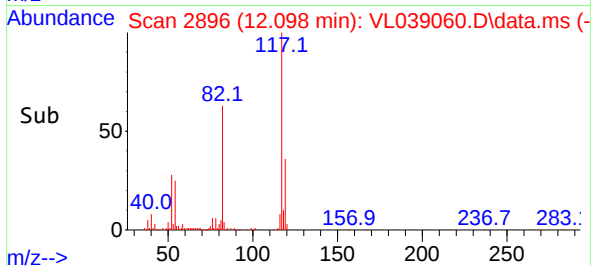
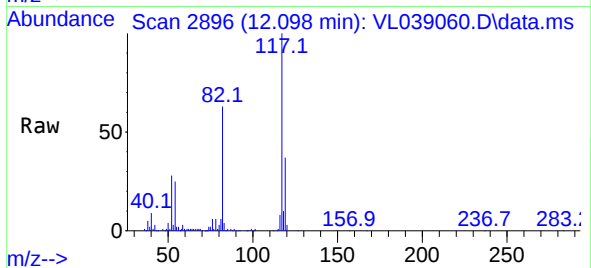
SV3DL

Tgt Ion:112	Resp:	34
Ion Ratio	Lower	Upper
112	100	
77	0.0	57.7
114	211.2	30.1

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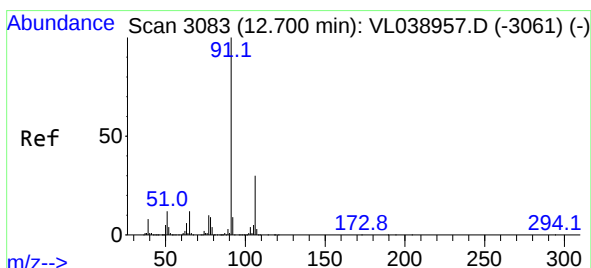
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Dadoda

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#58

Ethyl Benzene

Concen: 0.001 ppbv

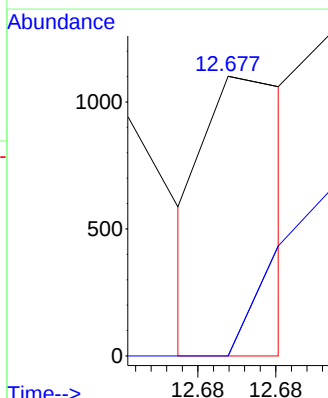
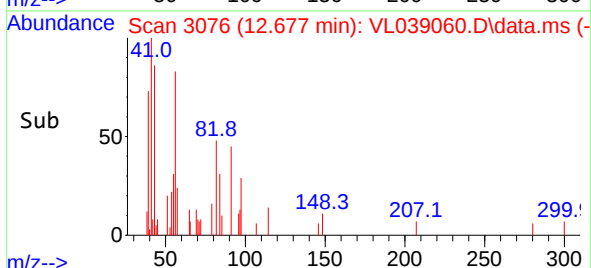
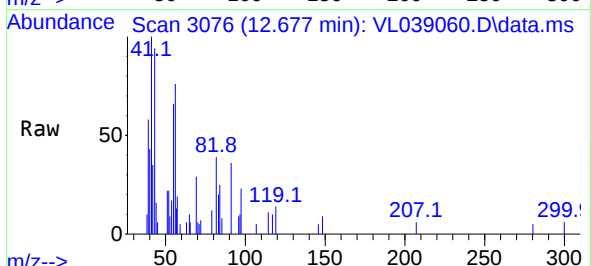
RT: 12.677 min Scan# 3076

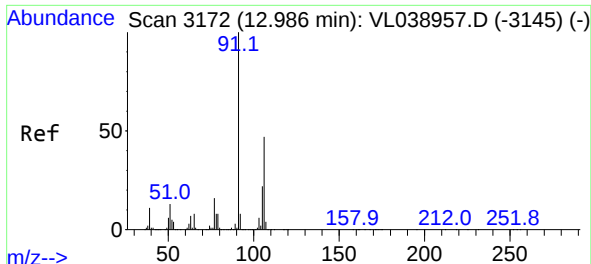
Delta R.T. -0.023 min

Lab File: VL039060.D

Acq: 14 May 2022 6:35

Tgt Ion: 91	Resp:	417
Ion Ratio	Lower	Upper
91	100	
106	30.0	24.2





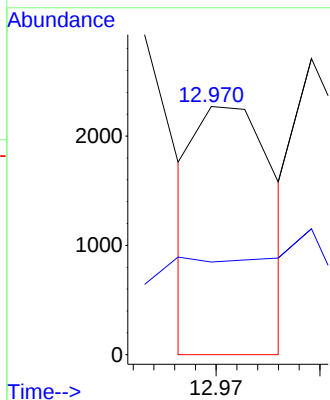
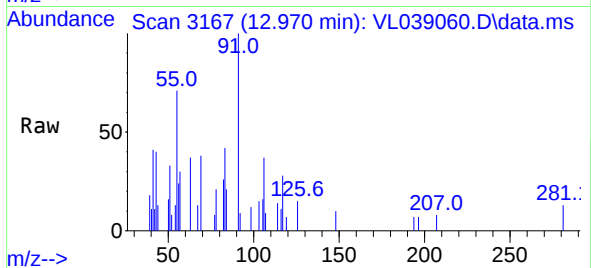
#59
m/p-Xylene
Concen: 0.004 ppbv
RT: 12.970 min Scan# 3172
Delta R.T. -0.016 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 1172
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

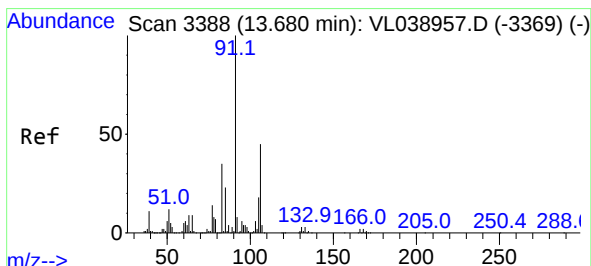
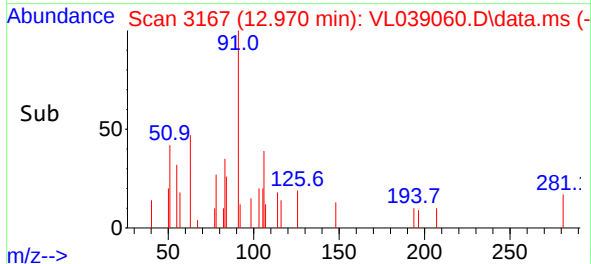
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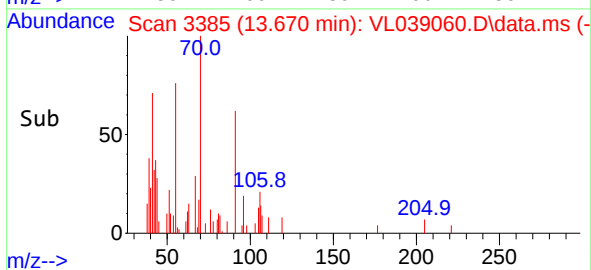
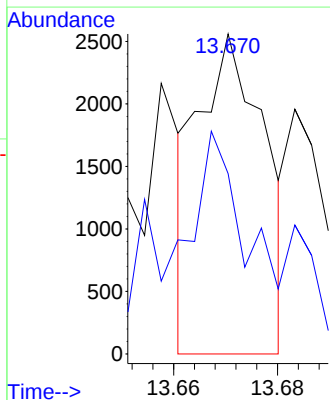
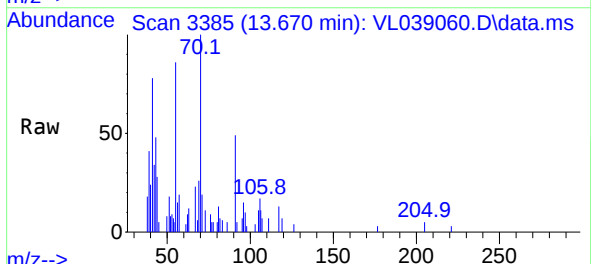
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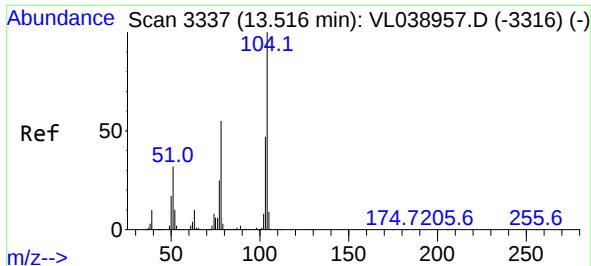
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#60
o-Xylene
Concen: 0.009 ppbv
RT: 13.670 min Scan# 3385
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 91 Resp: 2276
Ion Ratio Lower Upper
91 100
106 126.4 22.2 66.6





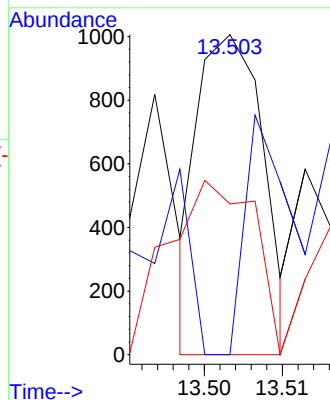
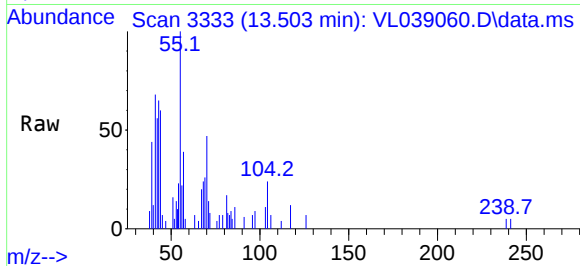
#61
Styrene
Concen: 0.004 ppbv
RT: 13.503 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion:104 Resp: 580
Ion Ratio Lower Upper
104 100
78 223.7 46.4 69.6
103 0.0 39.3 58.9

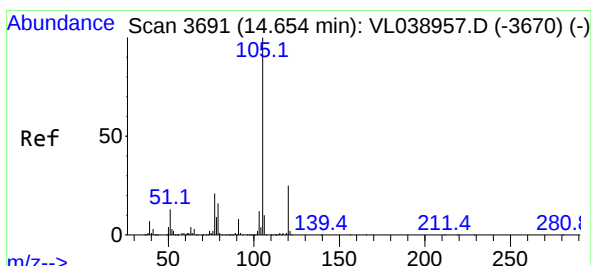
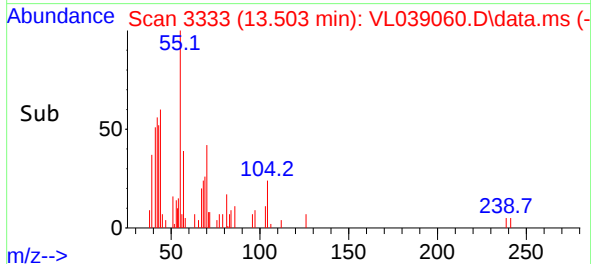
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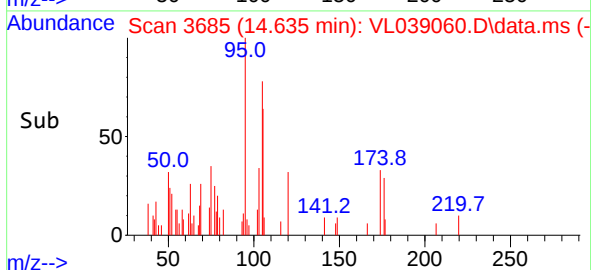
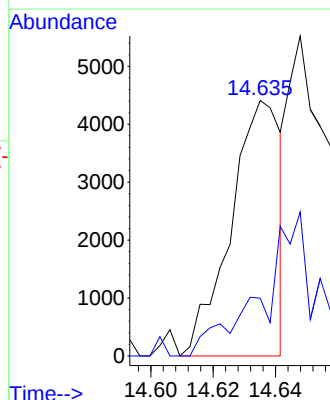
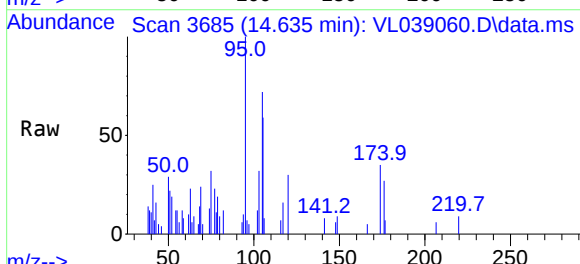
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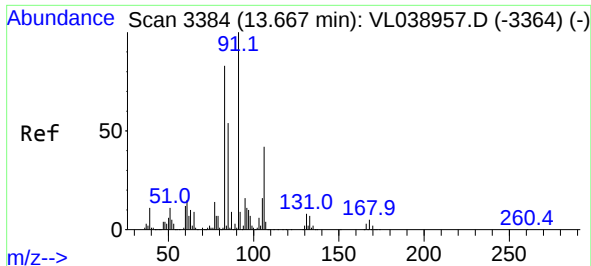
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#62
Isopropylbenzene
Concen: 0.013 ppbv
RT: 14.635 min Scan# 3685
Delta R.T. -0.019 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion:105 Resp: 4893
Ion Ratio Lower Upper
105 100
120 0.0 20.5 30.7





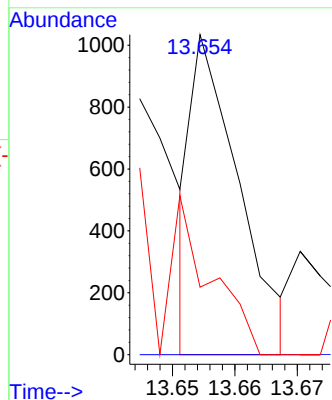
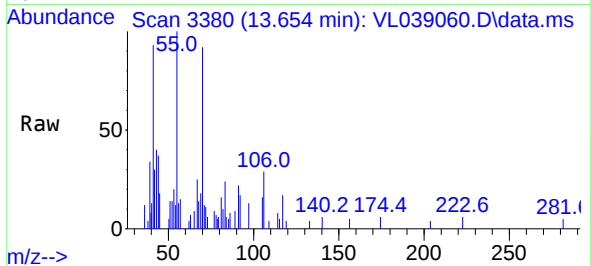
#63
1,1,2,2-Tetrachloroethane
Concen: 0.004 ppbv
RT: 13.654 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 83 Resp: 544
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.7
85 0.0 32.8 98.3

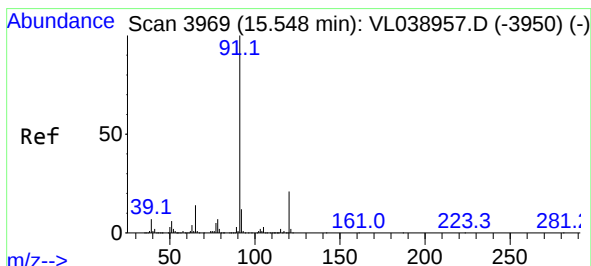
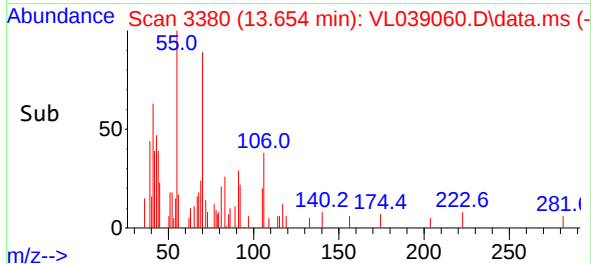
Manual Integrations
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Supervised By :Mahesh Dadoda 05/17/2022



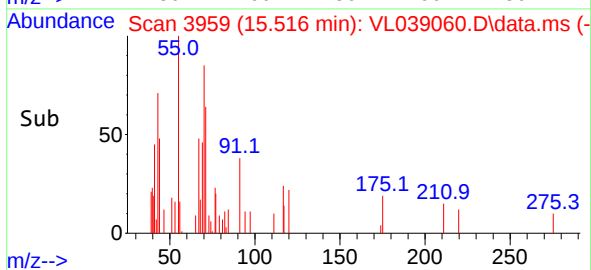
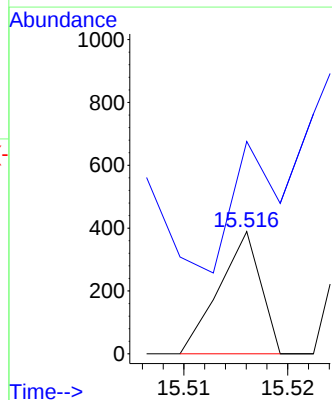
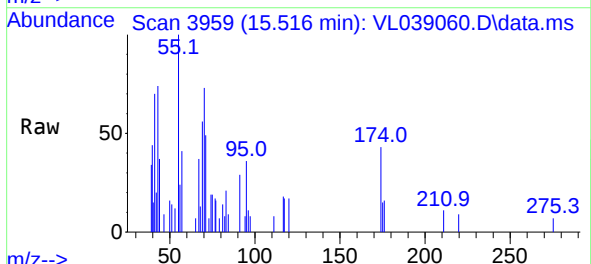
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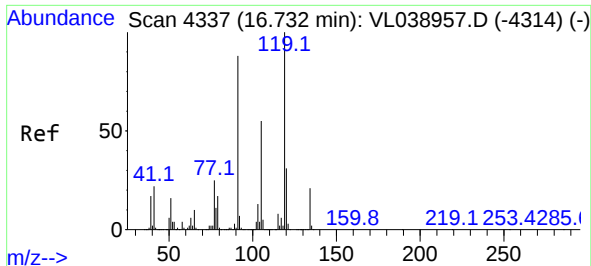
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#64
n-propylbenzene
Concen: 0.001 ppbv
RT: 15.516 min Scan# 3959
Delta R.T. -0.032 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion:120 Resp: 108
Ion Ratio Lower Upper
120 100
91 569.4 400.6 601.0





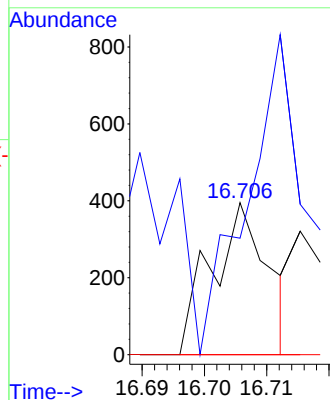
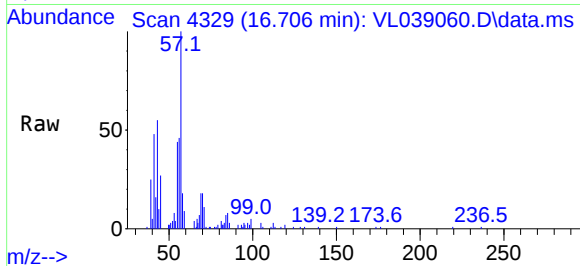
#65
tert-Butylbenzene
Concen: 0.001 ppbv
RT: 16.706 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 119 Resp: 250
Ion Ratio Lower Upper
119 100
91 0.0 69.4 104.2
134 0.0 15.8 23.8

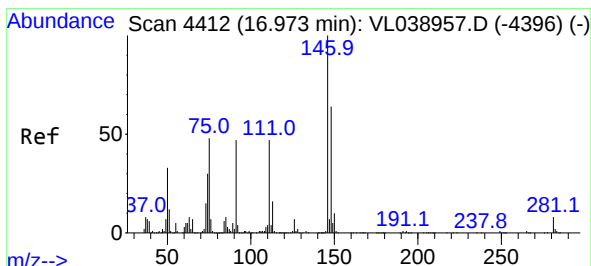
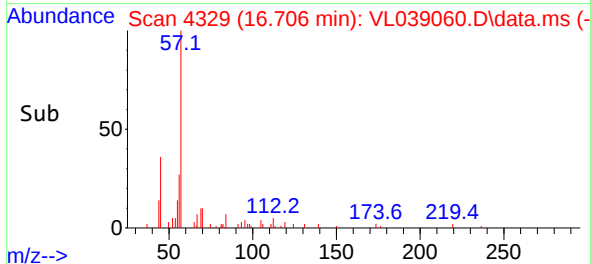
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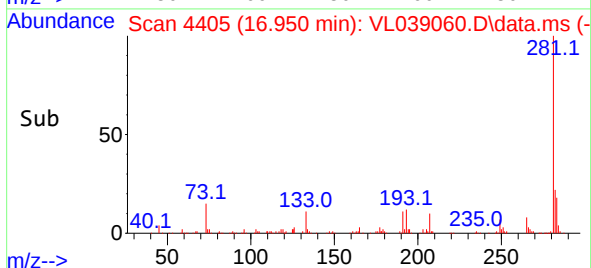
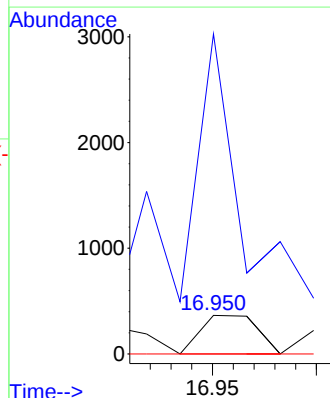
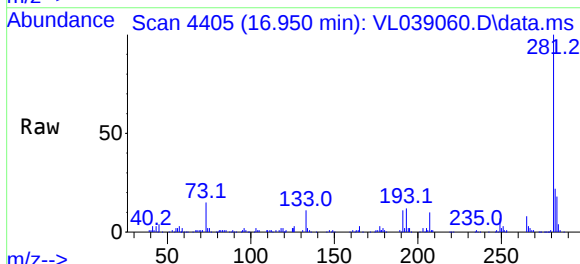
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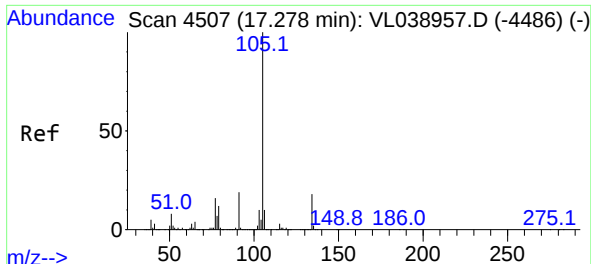
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#66
Benzyl Chloride
Concen: 0.003 ppbv
RT: 16.950 min Scan# 4405
Delta R.T. -0.023 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion: 91 Resp: 139
Ion Ratio Lower Upper
91 100
126 2296.4 11.8 17.6#
128 0.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.000 ppbv

RT: 17.259 min Scan# 41

Delta R.T. -0.019 min

Lab File: VL039060.D

Acq: 14 May 2022 6:35

Instrument :

MSVOA_L

ClientSampleId :

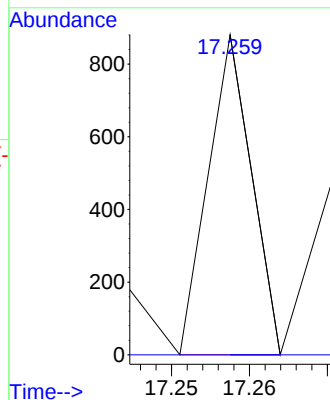
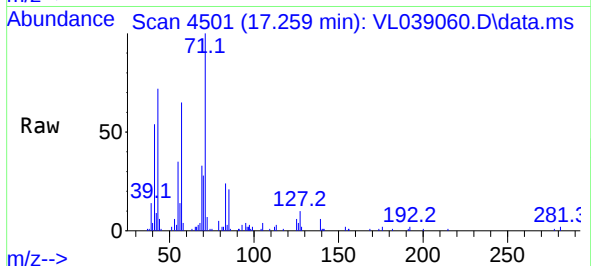
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Tgt Ion:105 Resp: 170
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.2 21.4

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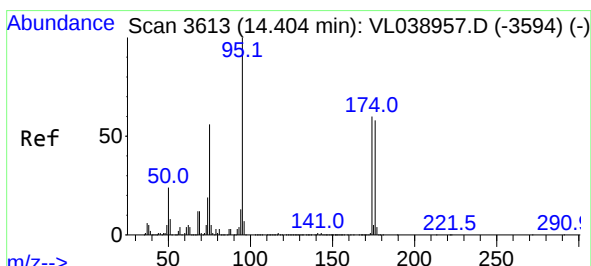
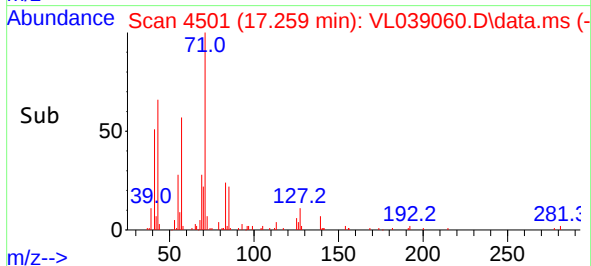
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.368 ppbv

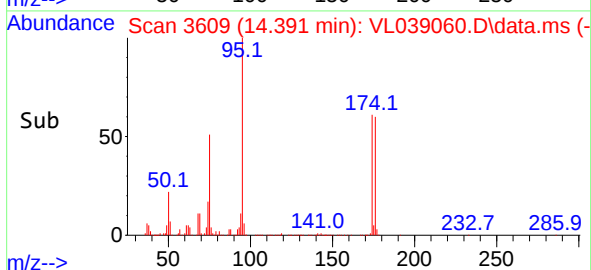
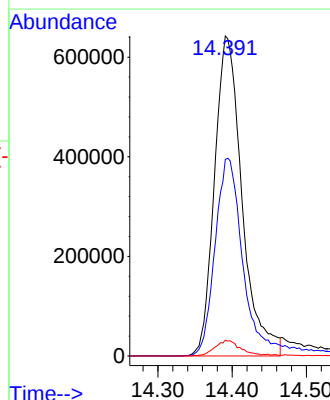
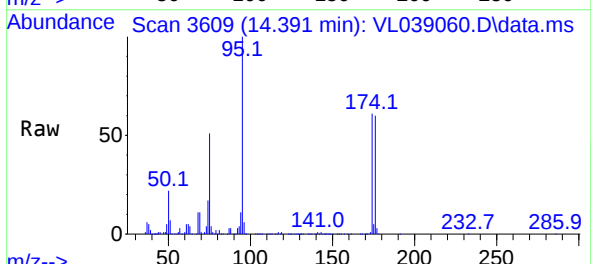
RT: 14.391 min Scan# 3609

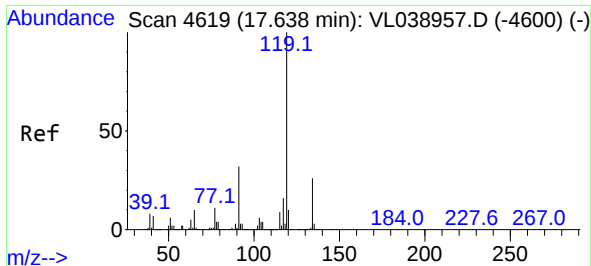
Delta R.T. -0.013 min

Lab File: VL039060.D

Acq: 14 May 2022 6:35

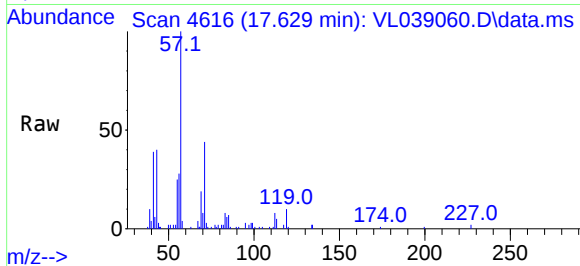
Tgt Ion: 95 Resp: 1657039
 Ion Ratio Lower Upper
 95 100
 174 66.6 50.8 76.2
 175 4.9 3.8 5.6





#69
p-Isopropyltoluene
Concen: 0.007 ppbv
RT: 17.629 min Scan# 4619
Delta R.T. -0.010 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

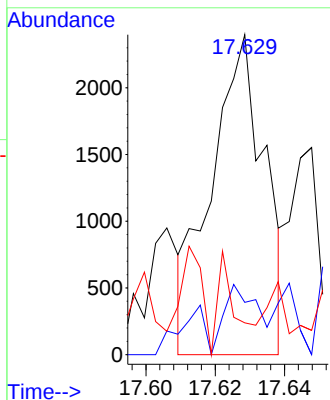
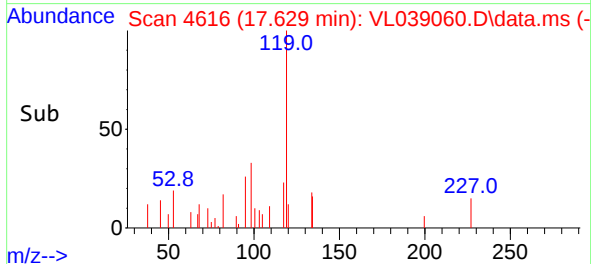


Tgt Ion: 119 Resp: 2568

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.0	30.0
91	0.0	24.8	37.2

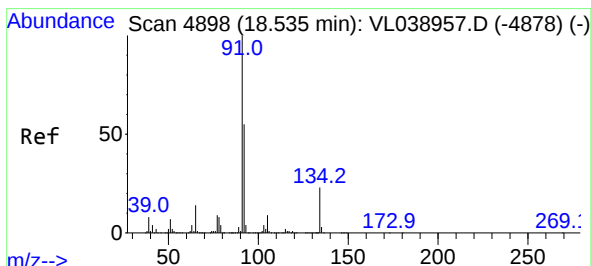
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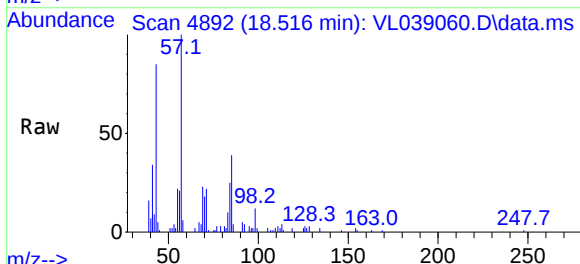


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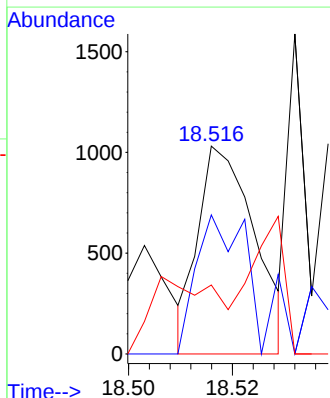
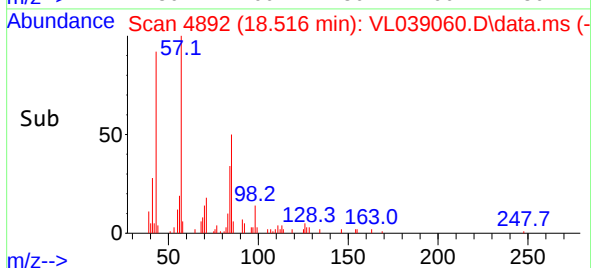


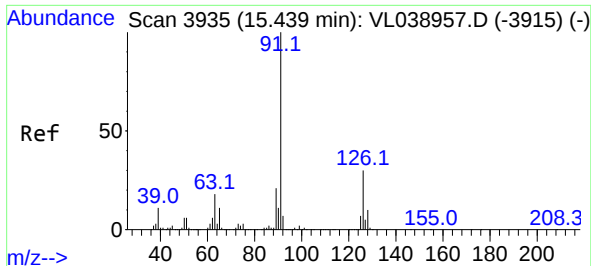
#70
n-Butylbenzene
Concen: 0.002 ppbv
RT: 18.516 min Scan# 4892
Delta R.T. -0.019 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



Tgt Ion: 91 Resp: 779

Ion	Ratio	Lower	Upper
91	100		
92	97.6	43.1	64.7
134	0.0	17.0	25.4





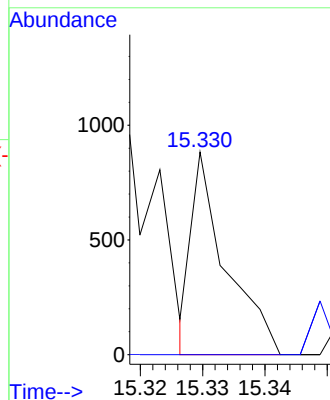
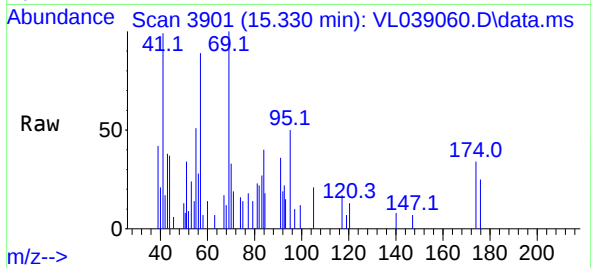
#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 15.330 min Scan# 3935
Delta R.T. -0.109 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 340
Ion Ratio Lower Upper
91 100
126 13.2 11.9 47.5

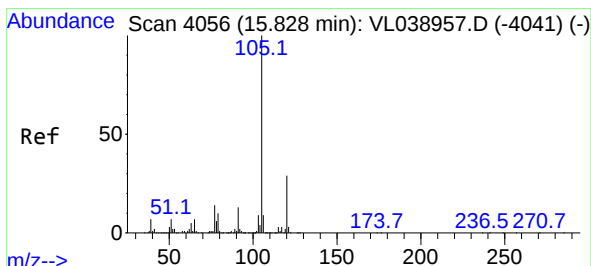
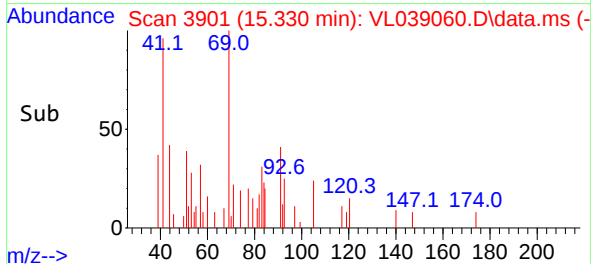
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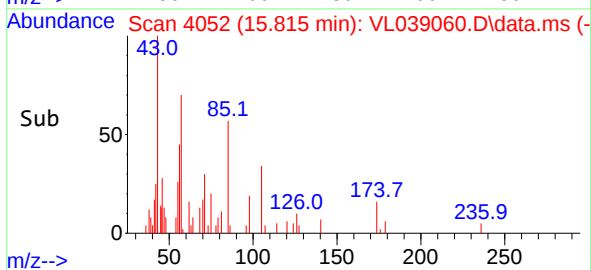
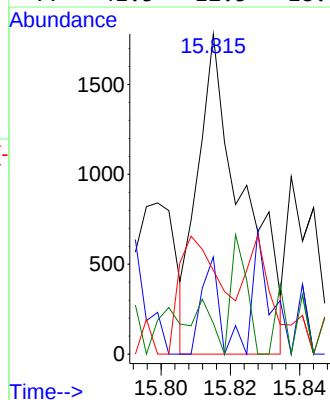
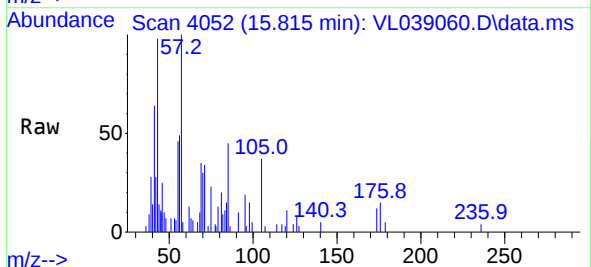
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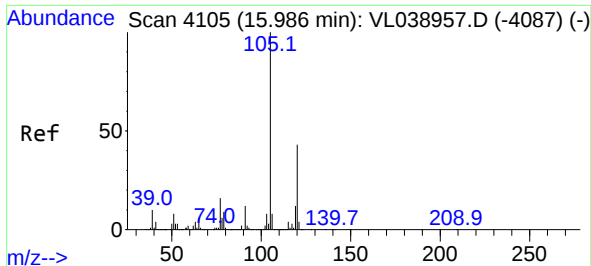
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#72
4-Ethyltoluene
Concen: 0.006 ppbv
RT: 15.815 min Scan# 4052
Delta R.T. -0.013 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

Tgt Ion:105 Resp: 1634
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 0.0 10.6 16.0#
77 41.5 12.5 18.7#





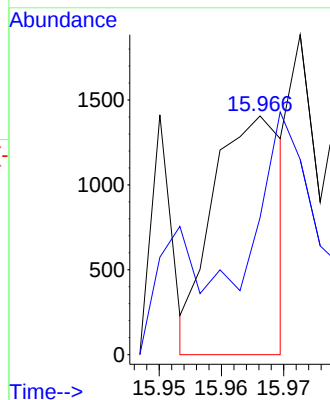
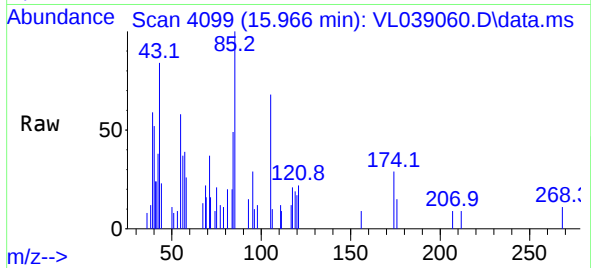
#73
 1,3,5-Trimethylbenzene
 Concen: 0.004 ppbv
 RT: 15.966 min Scan# 4099
 Delta R.T. -0.019 min
 Lab File: VL039060.D
 Acq: 14 May 2022 6:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tgt Ion:105 Resp: 1094
 Ion Ratio Lower Upper
 105 100
 120 4.3 34.4 51.6

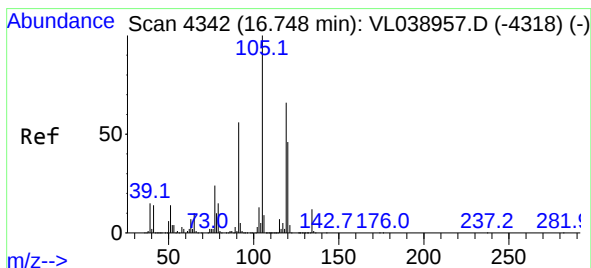
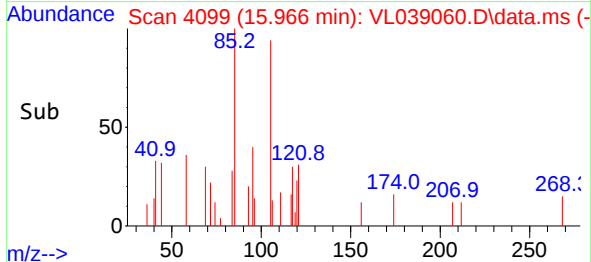
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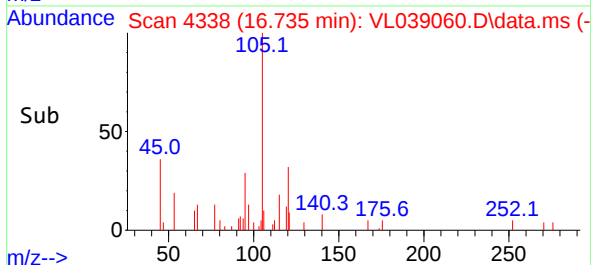
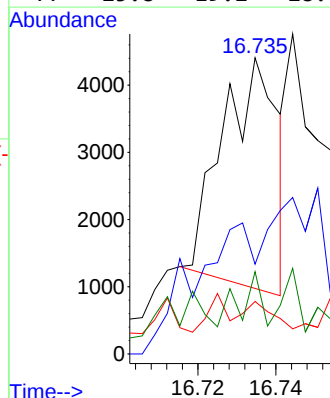
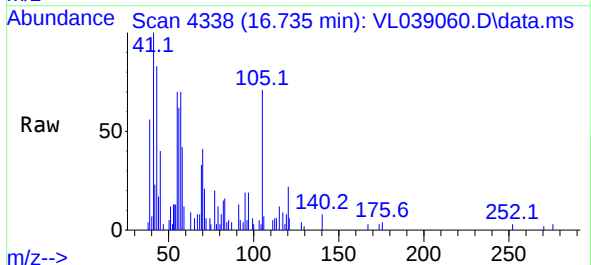
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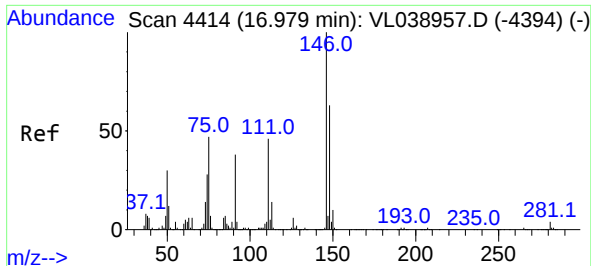
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.011 ppbv
 RT: 16.735 min Scan# 4338
 Delta R.T. -0.013 min
 Lab File: VL039060.D
 Acq: 14 May 2022 6:35

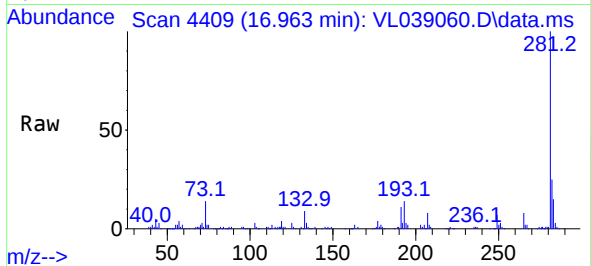
Tgt Ion:105 Resp: 3311
 Ion Ratio Lower Upper
 105 100
 120 9.6 36.9 55.3#
 91 12.6 45.0 67.4#
 77 25.8 19.2 28.8





#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 16.963 min Scan# 4412
Delta R.T. -0.016 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

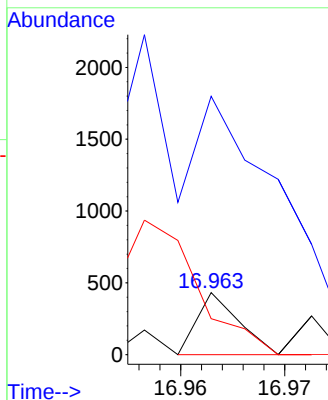
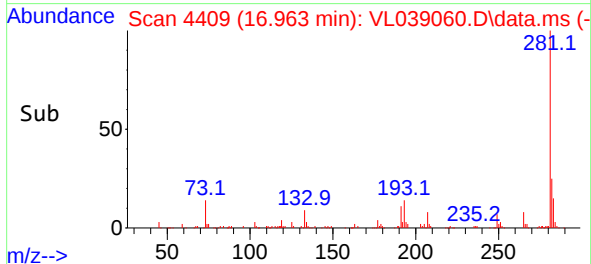
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:146 Resp: 120
Ion Ratio Lower Upper
146 100
111 0.0 24.1 72.2
148 0.0 32.4 97.2

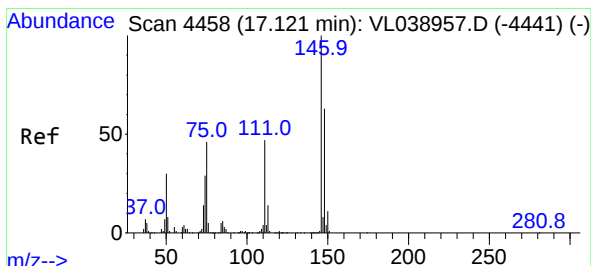
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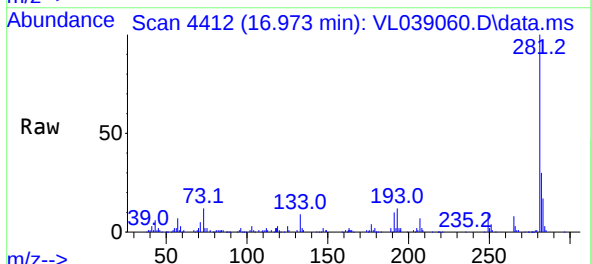


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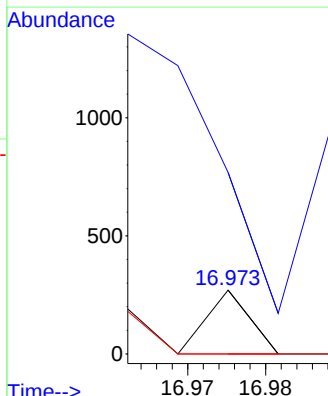
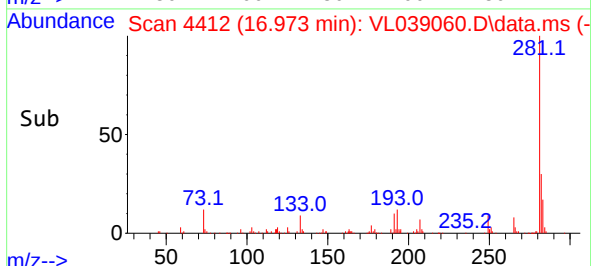
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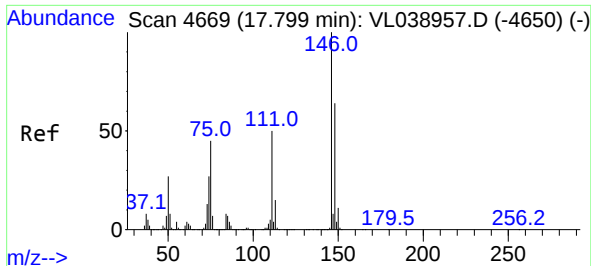


#76
1,4-Dichlorobenzene
Concen: 0.000 ppbv
RT: 16.973 min Scan# 4412
Delta R.T. -0.148 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



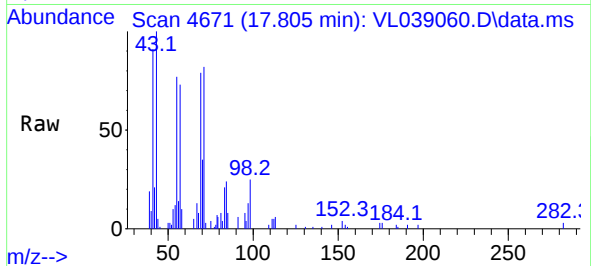
Tgt Ion:146 Resp: 52
Ion Ratio Lower Upper
146 100
111 3257.7 23.6 71.0#
148 528.8 32.2 96.6#





#77
1,2-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.805 min Scan# 4671
Delta R.T. 0.006 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

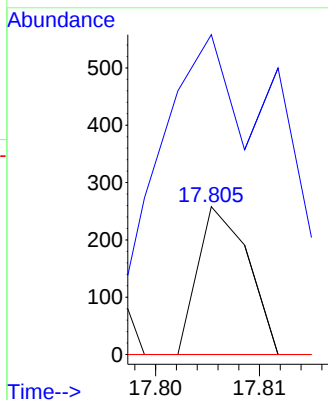
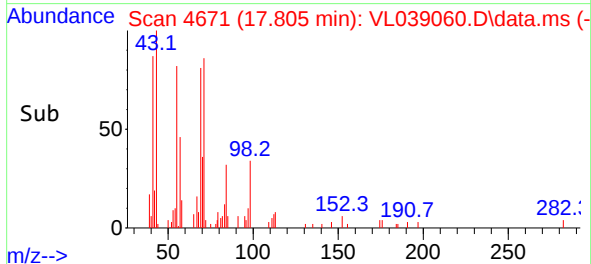
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:146 Resp: 81
Ion Ratio Lower Upper
146 100
111 2060.9 25.3 75.9
148 0.0 32.3 96.9

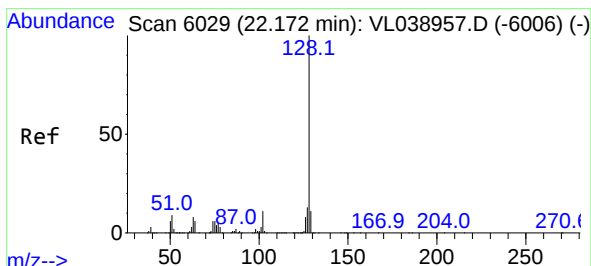
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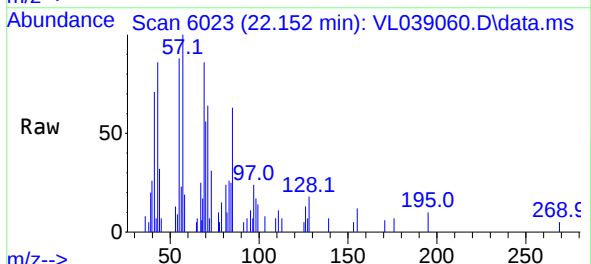


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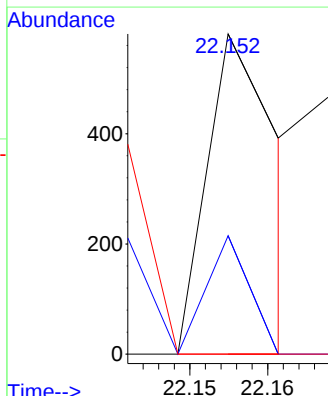
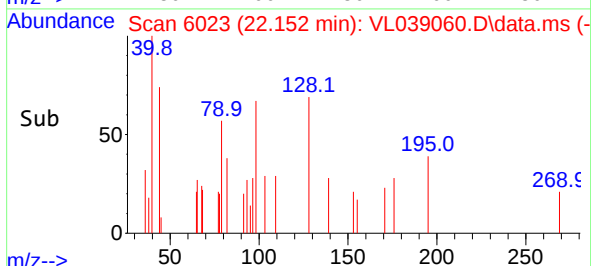
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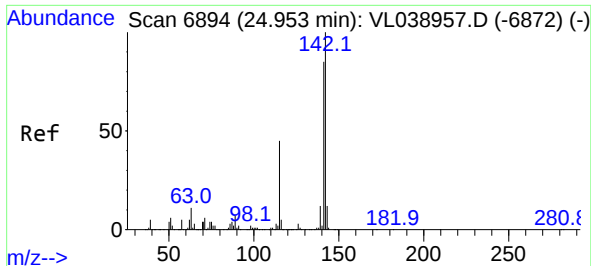


#79
Naphthalene
Concen: 0.001 ppbv
RT: 22.152 min Scan# 6023
Delta R.T. -0.019 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



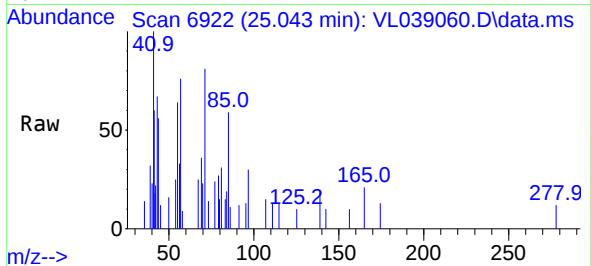
Tgt Ion:128 Resp: 188
Ion Ratio Lower Upper
128 100
127 37.0 10.2 15.2#
129 0.0 8.9 13.3#





#80
Naphthalene, 2-methyl-
Concen: 0.000 ppbv
RT: 25.043 min Scan# 61
Delta R.T. 0.090 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35

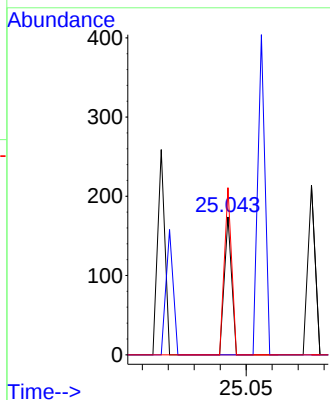
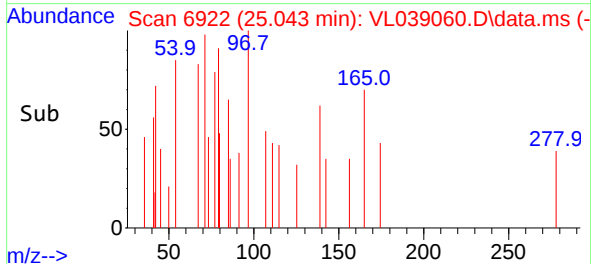
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:142 Resp: 34
Ion Ratio Lower Upper
142 100
141 241.2 70.8 106.2
115 120.6 35.1 52.7

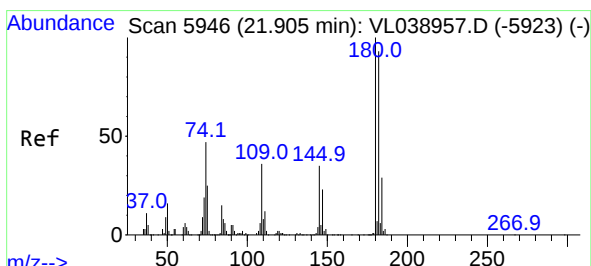
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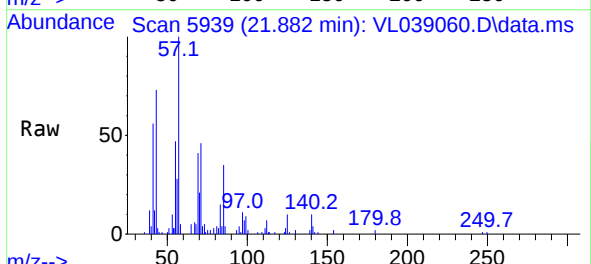


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#81
1,2,4-Trichlorobenzene
Concen: 0.001 ppbv
RT: 21.882 min Scan# 5939
Delta R.T. -0.023 min
Lab File: VL039060.D
Acq: 14 May 2022 6:35



Tgt Ion:180 Resp: 87
Ion Ratio Lower Upper
180 100
182 150.6 78.4 117.6#
184 37.9 24.4 36.6#

